



 **INDEX**[®]
FIXING SYSTEMS

GENERAL CATALOGUE
2019



WE ARE MANUFACTURERS

*We like what we do,
that's why we do it*

02		Presentation and News	121		Screws for decking and façades	191		Heavy metal clamps	263		Gutter Supports
22		List of contents	129		Drill, tapping and pvc screws	203		Light metal clamps	265		Wood connectors
35		Metal anchors	145		Wood screws	217		Stainless steel clamps	275		Nails and bolts
67		Chemical anchors	173		Metric thread screws	223		Plastic clamps	283		Blind rivets
85		Nylon plugs	185		Plugs, tips and accessories	239		Bathroom and air conditioning fixings	287		Drill bits + Fence parts
99		Fixings for hollow materials				245		Accessories	291		EasyKits
105		Fixings & accessories for Drywall				253		Steel beam clamps	299		Technical information
113		Direct fixing				255		Framing Systems	370		List of products per reference

INDEX FIXING SYSTEMS

INDEX Fixing Systems, Técnicas Expansivas, S.L.
is a manufacturer and industrial supplier of fixing
systems which offers global solutions adapted to
the needs of its clients..

All of us that make up INDEX work towards customer satisfaction, acting in accordance with the 'Voice of the Client' as the main core of our daily activity.

We are supported by our clients' contributions, fruit of a mutual trust, based upon respect, professionalism, and the flexibility to adapt ourselves to changes with regard to our customers' requirements.

We invest in new products, approvals, production processes and technology to fulfill our commitments and, whenever possible, to improve them.



ENTERPRISE COMMITMENT



Wide range of products.

Anchors, screws, clamps, installation systems....



Stock guarantee.

We have a store to cover our clients' needs.



Service guarantee.

We offer delivery in 24-48 hours..

Certified Quality.
We guarantee quality through certifications and approvals from independent laboratories and the main official bodies..



We help our clients.
We generate synergies with our clients, which allow us all to increase business..



Website adapted.
Our new Website is a powerful tool designed to be user-friendly and adapted to all mobile devices..



WE ARE MANUFACTURERS



WIRE



STRIP



PRESSES



ZAMAK INJECTION



POLISHING



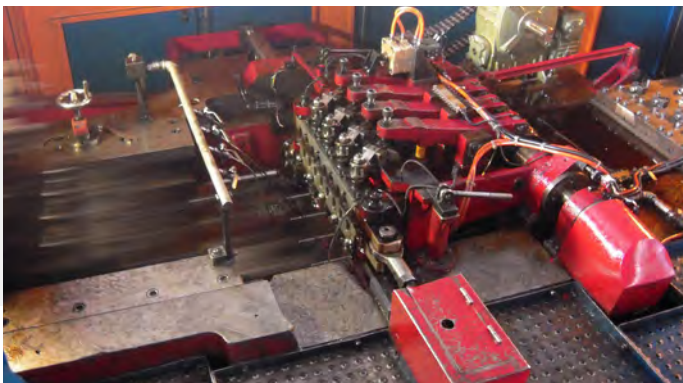
PACKAGING



WE ARE MANUFACTURERS



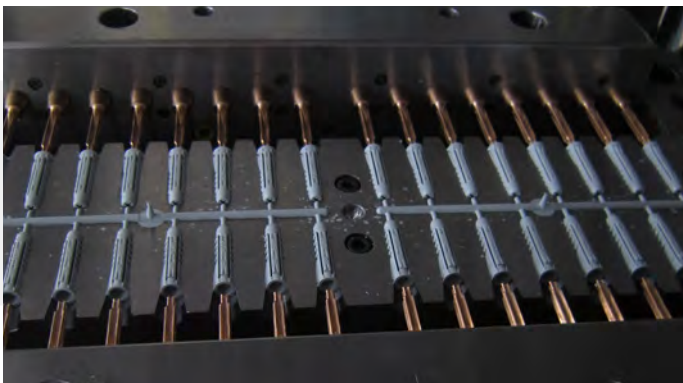
COLD STAMPING



THREADING MACHINE



NYLON INJECTION



AUTOMATED ASSEMBLY



WE CREATE IT, WE BELIEVE IT.

We manufacture and control the production process for a wide range of products. Only this way we are able to guarantee maximum product quality and optimum service. We are proud of this, and that's why it is going to be one of our lines of work in the future. We believe in what we do..

CH



NEW ETA ASSESSED

NEW DESIGN



37

MTH-A2



NEW ETA ASSESSED

UNIQUE IN THE MARKET



53

NEW CHEMICALS



68

SL



NEW DESIGN

BETTER ASSESSED

MORE RESISTANT

61

FLANGE HEAD SCREWS



RANGE INCREASE 7504-K

RANGE INCREASE AUE

RANGE INCREASE PS

122

TEX



RANGE INCREASE TEX-ZT

RANGE INCREASE TEX-BT

150

AB-RE / AB-RI



RANGE INCREASE

HEAVY DUTY CLAMP (AB-RE) AND
ISOPHONIC HEAVY DUTY CLAMP (AB-RI)

194

AB-CH



NEW



198

METRIC 7



M7 CLAMPS

WIDE RANGE

NEW ACCESSORIES

210

ASSESSMENTS



QUALITY GUARANTEE

Our desire to improve and to certify the quality of our offer in order to fully respond to the needs of our customers drives us to increasingly widen our range of certified products. The assessment processes are performed by prestigious institutions which guarantee that our products fulfill the highest possible standards of quality and technical requirements



Underwriters Laboratories



European Conformity



ICC-ES®



European Technical Assessment



FM Assessment



Fire resistance



Low VOC emissions



Leadership in Energy and Environmental Design



Seismic Assessment



Water Regulations Advisory Scheme



QUALITY COMMITMENT



The Tüv Cert Certification guarantees that INDEX Fixing Systems has implemented a quality management system according to ISO 9001:2008 regulations.

This certification, along with all other quality certifications, in addition to our wide range of technical data sheets and safety sheets, are available to all of our clients, who required them. They are also available to download from our website at www.indexfix.com

TECHNICAL COMMITMENT



SAT TEAM READY TO HELP

INDEX Fixing Systems offers comprehensive technical advice to all of their clients through a team of specialized engineers.

To contact the SAT service, you may use any of the following means::

Phone: +34 941 272 137

Email: sat@indexfix.com



CLIENT TRAINING

At INDEX Fixing Systems we offer our clients free training courses on anchors, screw fixings and anchor calculation.

We offer technical training for your sales staff, so that they may offer products with the best knowledge possible.

If you are interested in this initiative, please contact your INDEX Fixing Systems area salesperson, who will gladly provide you with the necessary information.



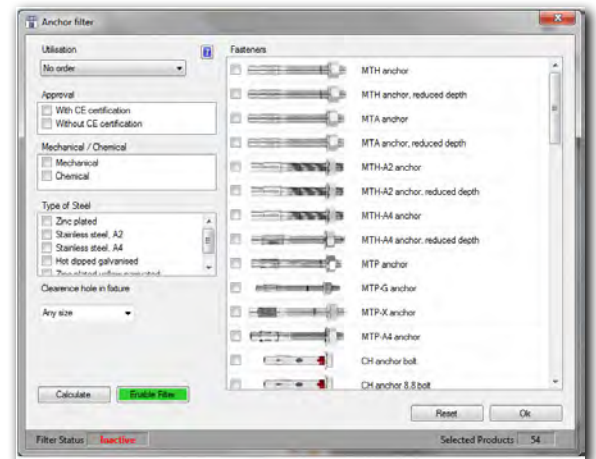
TECHNICAL COMMITMENT

ANCHOR CALCULATION PROGRAM **INDEXcal V4**

The INDEXcal anchors calculation programme is the best tool for designers of structural solutions to comply with the requirements of part 4 of Eurocode 2. INDEXcal quickly and thoroughly checks all the anchors in the catalogue based on the parameters entered by the user, indicating whether or not they fit.

Features::

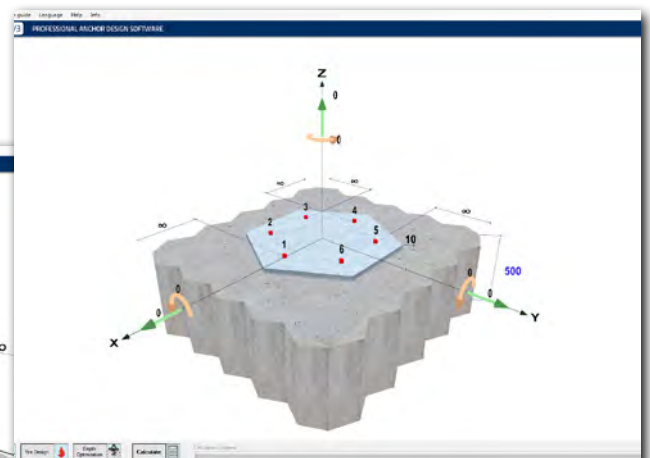
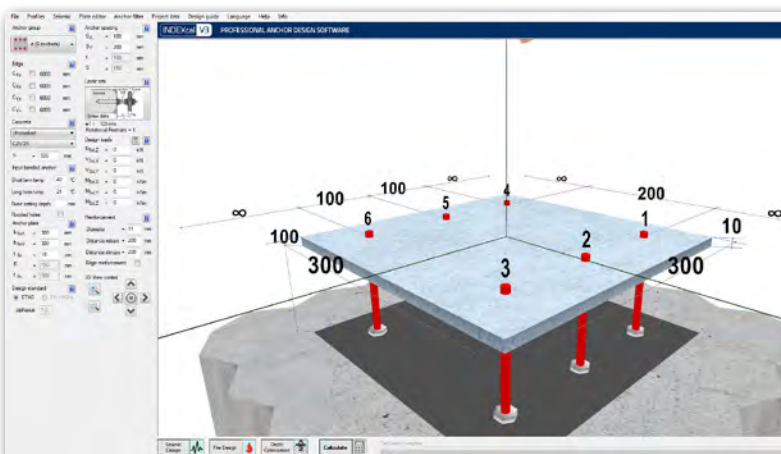
- Multilingual: Spanish, English, French, German, Dutch
- Direct access to technical data sheets and approvals right from the software
- Valid for different strengths of cracked and non-cracked concrete
- Calculation for fire and/or seismic conditions
- Indicates the reason for rejecting any anchors that do not meet the structural requirements
- Anchor filtering option
- Customisation of anchor plates, including rectangular, circular, hexagonal, octagonal and irregular shapes.
- Standard profiles can be included in the design
- Complete report in PDF format, customisable
- Online updates
- 3D user interface



Anchor Picture	CE-CC	Anchor (name)	Size	Bolt dia	Drill hole	Max dia	Reason
	CE	MTP-G anchor - M10	M10 x 105	10	10	25	the too small
	CE	MTP-G anchor - M10	M10 x 115	10	10	35	the too small
	CE	MTP-G anchor - M10	M10 x 135	10	10	55	the too small
	CE	MTP-G anchor - M10	M10 x 165	10	10	85	the too small
	CE	MTP-G anchor - M10	M10 x 185	10	10	105	the too small
	CE	MTP-G anchor - M12	M12 x 130	12	12	34	the too small
	CE	MTP-G anchor - M12	M12 x 150	12	12	54	the too small
	CE	MTP-G anchor - M12	M12 x 200	12	12	104	the too small
	CE	MTP-G anchor - M12	M12 x 180	12	12	94	the too small
	CE	MTP-G anchor - M16	M16 x 175	16	16	58	Maximum spacing too small the too small
	CE	MTP-G anchor - M16	M16 x 145	16	16	29	Maximum spacing too small
	CE	MTP-G anchor - M16	M16 x 125	16	16	8	Maximum spacing too small the too big
	CE	MTP-G anchor - M16	M16 x 220	16	16	103	Maximum spacing too small the too small

Iftode Universal
sisteme de construcții

Download it FREE from our new website
www.indexfix.com





Iftode Universal
sisteme de construcții

**A SOLUTION FOR
EVERY BUSINESS**



- **Unique solutions adapted** to the type of business of **every distributor**.
- Optimised shelving that **makes the best use of space** in the store.
- Packaging **adapted to all customers**, from DIY enthusiasts to professionals.
- Easy restocking thanks to our **“Easy Packaging”** system.
- Attractive shelving with solutions that **help end customers make purchasing decisions**.

INDEX SPACE STUDIO

WHAT SOLUTIONS DOES IT PROVIDE?

INDEX SPACE STUDIO is a service offered to customers, based on analysis software that uses data collected from distributors to establish guidelines for **creating shelving that ensures profitable points of sales in any business.**

The solutions are unique and developed based on the product ranges required and the space available.

The goal of INDEX SPACE STUDIO is to provide our clients with **solutions for their sales spaces to make their businesses profitable.**

WE THINK ABOUT WHAT
YOUR BUSINESS NEEDS



HOW DOES IT WORK?

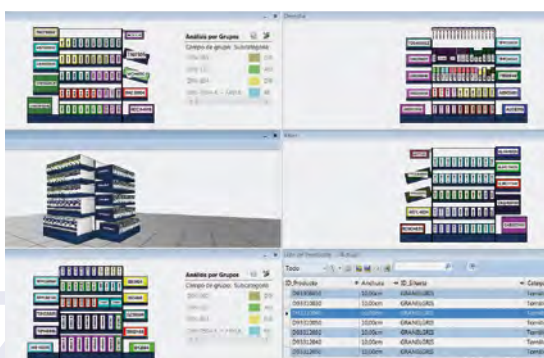
INDEX SPACE STUDIO has 6 easy steps:



The Sales Department of INDEX Fixing Systems works with the distributor to **analyse the requirements** of your point of sale.



With the information obtained, the Sales Department works with Marketing to develop the product selection, **based on the type of end customer and the range requested by the distributor.**



The proposed solution is presented with a **3D simulation of the shelving and the planogram**, showing how the selection of products will be arranged.



Preparing and sending the material. Shelving is prepared separately from other usual orders to facilitate its assembly in the store.



Assembly of the shelving by our assembly team.



Monthly inspection of installed shelving by our sales team, keeping it in optimum condition and facilitating the work of distributors.

WHAT DISPLAY SOLUTIONS DO WE OFFER?



Promotional display



Counter display

"WE CAN INCREASE THE PROFITABILITY OF YOUR BUSINESS"



Cross sales



Threaded rod display



Samples display
Tex Test

TYPES OF SHELVES



Wall



End cap



Island



Gondola

MEASUREMENTS AVAILABLE IN STOCK for wall, end cap, island and gondola displays:

Width: 1,000 mm

Height: 1,650, 1,950 and 2,400 mm

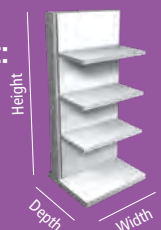
Other measurements available upon request:

(Delivery time of 4 weeks)

Width: 500, 700, 850 and 1,300 mm

Height: 1,350, 1,500, 2,250 and 2,550 mm

Depth: 500 mm



WHAT IS EASY PACKAGING?

Easy Packaging is based on the SRP concept that **optimises sales packaging** to make it easier to handle on shelves and **increases the profitability** of the distributor, preventing inefficiencies in their business. The key aspects are:

- **Restocking** of packaging on shelves in **one easy step**.
- **No inefficient handling of packaging**.
- Optimum merchandising thanks to “facing” which **does away with** constant **restocking and stocking** in the storeroom.

EASY RESTOCKING AND IMPLEMENTATION



Removable plastic tray to arrange window boxes in the display.

Tabletop display delivered assembled to the point of sale.

Blister packs come tied together with a cable tie for easy arrangement.



Self-service bags can be arranged just by removing the packaging cover.

No handling required. Boxes of cable ties ready to be arranged on the shelf.

Box of cable ties opens on top for restocking the product.



PROFESSIONAL BOX



WINDOW BOX

Visual, attractive and high quality, with labels showing load parameters and material used.



SELF-SERVICE BAG

Display boxes with plastic bags arranged vertically for optimal product presentation.



BULK

Custom installations with profitability guaranteed..



BLISTER

With contents adapted to the needs of a domestic customer.



EASYKits

Everything needed to fix an element in a single kit.

"PACKAGING THAT HELPS THE END CUSTOMER MAKE PURCHASING DECISIONS"

CONTAINERS, KITS...





HOW DOES IT WORK?

- 1 **SELECT ASSORTMENT TO OFFER.**
Avoid closed assortments which do not suit your needs. You select the number of references you wish to offer.
- 2 **PROFITABILITY GUARANTEE STUDY.**
We supply you with a personalized profitability study by reference.
- 3 **PLANOGRAM AND PERSONALIZED VOLUME ESTIMATION REPORT.**
We calculate the space required for your selection and propose the optimal location.



HOW DOES THE CUSTOMER BUY?

- 1 **CUSTOMER CHOOSES BAG SIZE.**
[3 AVAILABLE SIZES - 3 PRICES].
- 2 **CUSTOMER FILLS BAG, MIXING PRODUCTS AS REQUIRED.**
- 3 **CLOSE THE BAG AND YOU ARE READY TO PAY. NO WAITING.**



TYPES OF IMPLEMENTATION



MIXED SHELF

- ALLOWS INTERSPERSING OF BULK SALES FORMAT AND PROFESSIONAL BOX FOR EACH REFERENCE.
- CUSTOMER HAS TWO PURCHASE OPTIONS.
- PROFESSIONAL BOXES CAN BE USE AS REPLACEMENT..



COMPLETE SHELF

- 70 REFERENCES PER 1M SHELF.
- MAXIMUM PRODUCT VISIBILITY.



PARTIAL IMPLEMENTATION

- RECOMMENDED FOR REDUCED SPACES.
- ALLOWS IMPLEMENTATION FROM 1 REFERENCE.
- ENABLES APPLICATION OF MIXED OR COMPLETE APPLICATION.



POINT OF SALE SUPPORT



CAPTION POSTER
SHELF INDEXmix



BAGS
SUSPENDERS



STICKER FLOOR



TYPES OF BAG

60 x 80 mm.



80 x 120 mm.



100 x 150 mm.



- 3 BAGS - 3 PRICES
- BAG WITH BAR CODE TO SCAN AT TILL.
- ZIP CLOSING FOR BAGS..

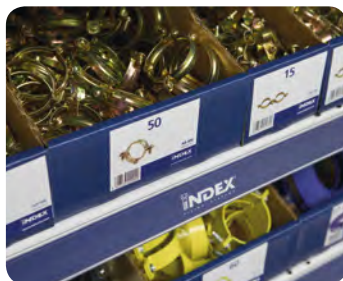
ALSO AVAILABLE FOR METALLIC CLAMPS





INDEX BULK FORMAT.

PERSONALIZED
IMPLEMENTATION TO
GUARANTEE
PROFITABILITY.



COUNTER DISPLAY

Attractive, eye-catching counter display

- It encourages impulsive buying by being located at a strategic location in the shop.
- Blisters and EasyKits for DIY use.



B

PVP = 385,000€



A

PVP = 420,000€

Code: EXBLMOSA

COMPOSITION FOR COUNTER TYPE A

TN4S 6 x 30 7 blisters	TN4S 8 x 40 6 blisters	TACON 6 x 30 7 blisters	TACON 8 x 40 6 blisters	TAPLANY 12 x 33 8 blisters	TAPLAME 15 x 29 8 blisters
AL-HA 3,5 x 29 x 14 10 blisters	AL-HA 5 x 47 x 26 10 blisters	AL-HC 3,5 x 29 x 14 10 blisters	AL-HC 5 x 53 x 30 8 blisters	AL-RO 3,5 x 4,1 10 blisters	AL-RO 4,1 x 37 10 blisters
TP-PO B 3,5 x 16 10 blisters	TP-PO B 4 x 30 10 blisters	TP-PO B 4 x 35 10 blisters	TP-PO B 4 x 40 10 blisters	TP-PO B 4,5 x 40 10 blisters	TP-PO B 5 x 40 10 blisters

Code: EXBLMOSB

COMPOSITION FOR COUNTER TYPE B

TN4S 6 x 30 7 blisters	TN4S 8 x 40 6 blisters	BA-GA Ø 5 x 12 6 blisters	BA-ES Ø 5 x 12 6 blisters
TN4S + TP-PO 4,5 x 40 + 6 x 30 10 blisters	TN4S + TP-PO 5 x 60 + 8 x 40 10 blisters	TN4S + AL-RO 4,4 x 46 + 6 x 30 10 blisters	TN4S + AL-RO 5 x 63 + 8 x 40 10 blisters
AL-HA 3,5 x 29 x 14 10 blisters	AL-HA 5 x 47 x 26 10 blisters	AL-HC 3,5 x 29 x 14 10 blisters	AL-HC 5 x 53 x 30 8 blisters
AL-RO 3,5 x 4,1 10 blisters	AL-RO 4,1 x 37 10 blisters	AL-RO 4,4 x 37 10 blisters	AL-RO 4,4 x 37 10 blisters

COUNTER DISPLAY



C
PVP = 472,500€



Code: EXBLMOSC

COMPOSITION FOR COUNTER TYPE C

EKMULFAE 8 blisters	EKMULTEN 6 blisters	EKMULCAN 8 blisters	EKMULAV08 6 blisters
EKMACILU 8 blisters	EKMACFTP 6 blisters	EKMULFAP 6 blisters	EKMULFAL 8 blisters
EKMACFTL 8 blisters	EKHUEILU 8 blisters	EKHUEFTL 6 blisters	EKMULROB 6 blisters

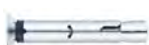
It needs no assembly, it is sent to the POS already assembled.

"EasyPackaging" format



LIST OF CONTENTS

Metal anchors

New CH-TO   Option 7	37		ZA-AF	44	
New CH-A2	37		ZA-GF	44	
New CH-8.8   Option 7	38		ZA-TO	45	
CH-8.8 E	38		ZA-ES	45	
New CH-PL   Option 7	38		ZA-CA	45	
New CH-PI	38		ZA-AR	45	
New CH-ES	39		ZA-GA	45	
New CH-GA	39		MTP   Option 1	49	  
New CH-AR	39		MTP-X   Option 1	49	  
New CH-INB   Option 7	40		MTP-G   Option 1	50	 
New CH-INN   Option 7	40		MTP-A4   Option 1	50	  
New CH-AF	40		MTH   Option 7	51	 
New CH-GF	40		MTH-A4   Option 7	52	 
New CH-AF A2	41		New MTH-A2   Option 7	53	 
New CH-GF A2	41		MTA	54	
New CH-GE	41		DO-MT	56	
HI-CA	42		TWA	56	
HI-CI	42		HP	57	
HI-TO	42		HP TP	57	
HI-AR	42		HR	57	
HI-GA	42		HEA	57	
AC-CA	43		HEA + ARVUL	57	
AC-CI	43		TH-PAN	58	
AC-TO	43		TH-TRU	58	
AC-ES	43		TH-DEX   Option 1	59	 
AC-AR	43		TH-DAV   Option 1	59	 
AC-GA	43		SL-VT   Option 8	60	
ZA-TL	44		SL-VE	60	
ZA-PR	44		New SL-PT   Option 1	61	  
			New SL-PC   Option 1	61	  

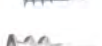
HC		62			 MOPUR3	 Option 1	79		
AN-CU		62				MOPISTO		80	
EPS		62				MOPISSI		80	
TA-ME		62				MOISPUR6		80	
TRA		63				MOISNEU		80	
TALA		63				MOISP3		80	
AVR		63				MOBOMBA		80	
AVC		63				MORCANU		80	
EXP		64				MORCAPU		80	
HE-HO	 Option 7	65				MORCEPKIT		80	
HE-NO		65				MO-TN		80	
HE-CL	 Option 7	65				MO-TM		80	
HE-A4		65				MO-TR		80	
AN-23		66				MO-ES		80	
AN-51		66				CA-QU	 Option 8	81	
TC-SO 2		66				EQ-AC		81	
TC-SO 8		66				EQ-A2		81	
AN-50 CT		66				EQ-A4		81	
AN-TA		66				PU-TP		82	
Chemical anchors						PU-FP		82	
MO-B		70				PU-CL		82	
MO-P	 Option 7	71				PU-SC		83	
MO-PS	 Option 7	72				PU-SP		83	
MO-PS P	 Option 7	73				PU-PI		83	
MO-V	 Option 7	74				PU-CA		83	
MO-VS	 Option 7	75				ADSUP		83	
MO-H	 Option 1	76				Nylon plugs			
MO-HW	 Option 1	77				T-NUX A		87	
MOPURE	 Option 1	78				T-NUX E		87	

LIST OF CONTENTS

T-NUX T		87	
T-NUX		88	
T-NUX A A4		88	
T-NUX E A4		88	
T-FUX E		88	
TC-CA		89	
TC-CA EP		89	
TC-CC		90	
TC-A2		90	
TC-2A		91	
TC-6A		91	
TC-6E		91	
TA-PL		92	
TACON		93	
TACOL		93	
 TACOL-A		93	
TACON-G		93	
AIS		94	
AIS-C		94	
TN4S EP		94	
TN4S		95	
EPN		96	
IPA-GR		96	
IPA-GN		96	
IPA-AR		96	
IPA-TO		96	

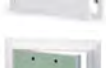
Fixings for hollow materials

PA-ES	98	
PA-GA	98	

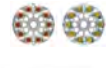
CA-PA	98	
BA-ES	99	
BA-GA	99	
CA-BA	99	
INPIN	100	
INPIS	100	
IN-CO	101	
IN-HE	101	
IN-SI	101	
ANCLA	102	
TAPLA NY	102	
TAPLA ME	102	
TAPLA ZK	102	
MEDU	103	

Fixings & accesories for Drywall

PL-RA		106	
PL-TR		106	
PL-CA		106	
PL-F		107	
PL-EP		107	
CP-PA		108	
CP-GV		108	
CP-AC		108	
CP-MV		108	
TC-SP		109	

TC-SP EP	109	
OME	109	
HO-CU	109	
HO-CR	109	
EMP	110	
CAB	110	
ADU	110	
SUS	110	
TR-BL	111	
TR-13	111	
TR-15	111	

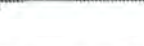
Direct fixing

FP08GUN	114	
FP12GUN	114	
FP-IP	115	
FP-CR	115	
FP-PISCL08	115	
FP-PISPL08	115	
FP-PISCL12	115	
FP-PISCM12	115	
FP-PISCT12	115	
FP-CG 08	116	
FP-CL 08	116	
FP-AP 08	116	
FP-AM 08	116	
FP-CR 08	116	

FP-PI 08	116	
FP-CG12	117	
FP-CGD12	117	
FP-CL12	117	
FP-CLD12	117	
FP-CT12	117	
FG-GUN	118	
FG-CL	119	
FG-CLH	119	
FG-PUL	119	
FG-PLET	120	
FG-IMAN	120	
FG-ABRA	120	
FG-BASE	120	
FG-BAT	120	
FG-CAR	120	
FG-GAS	120	

Screws for decking and façades

DIN-7504-K	122	
DIN-7504-K A2	122	
DIN-7504-K + ARVUL	123	
DIN-7504-K CP + ARVUL	123	
DIN-7504-K RE	124	
DIN-7504-K RE + ARVUL	124	
AUE	125	
AUE + ARVUL	125	
AUTO	125	
AUTO + ARVUL	125	

ABE BIMETAL	126	
ABE BIMETAL + ARVUL	126	
AUTO BIMETAL	126	
AUTO BIMETAL + ARVUL	126	
ARVUL	127	
ARVUL A2	127	
FIBR	127	
PS 3	128	
PS 3 + ARVUL	128	
PS 5	128	
PS 5 + ARVUL	128	

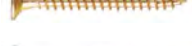
Drill, tapping and pvc screws

DIN-7504-N HP B	130	
DIN-7504-N HP N	130	
DIN-7504-N HP A2	130	
DIN-7504-N HP Z	131	
DIN-7504-N HC Z	132	
DIN-7504-N HC A2	132	
DIN-7504-P HP Z	133	
DIN-7504-P HP N	133	
DIN-7504-P HC Z	134	
BCP Z	134	
BCP N	134	
BCP B	134	
BCP CB	134	
BCP A2	134	
RS	135	
CP Z	136	
CP A2	136	
CP B	136	

CP N	136	
TAEZ	136	
TAEN	136	
DIN-7981 HP Z	137	
DIN-7981 HP B	138	
DIN-7981 HP N	138	
DIN-7981 HP A2	139	
DIN-7982 HP A2	139	
DIN-7982 HP B	139	
DIN-7982 HP N	139	
DIN-7982 HP Z	140	
PVC-10 B	141	
PVC-10 Z	141	
PVC-20 B	141	
PVC-20 Z	141	
PVC-30	141	
PVC-40 B	142	
PVC-40 Z	142	
PVC-50 B	142	
PVC-50 Z	143	
PVC-70	143	
PVC-70 TP	143	
PVC-90	143	
PVC-VEK	144	
PVC-VEK 13	144	
PVC-VEK 10	144	
PVC-KOM 10	144	

Wood screws

TEX-BT		150	
TEX-AB		150	

TEX-BP		151	
TEC-BT		152	
TEX-ZT		152	
TEX-A2		152	
TEX-ZP		153	
TP-PO B		158	
TP-PO Z		160	
TP-TO		161	
TP-BR		162	
TP-A2		163	
TR-PO		163	
DIN-571 A2		164	
571 TR		164	
DIN-571		165	
ESTRINV Z		166	
ESTRINV N		166	
INV Z		167	
INV N		167	
INV A2		167	
MLTPPOP		168	
MLTBOP		168	
MLTPPOT		169	
MLMULT		169	
MLPLAT		169	
FS Z		170	
FS 3009		170	
FS 3011		170	
FS 5010		170	
FS 6005		170	
FS 8004		170	
FS 8017		171	

FS 8019	171		
FS 9005	171		
FS 9006	171		
FS 9010	171		
T-CLA	172		
ABA	 	172	
ATA	 	172	
FIMA		172	

Metric thread screws

DIN-84	174	
DIN-125	175	
DIN-127	175	
DIN-9021	176	
DIN-934	177	
DIN-985	177	
DIN-933	178	
DIN-912	180	
DIN-603/934	181	
DIN-963	182	
DIN-965	183	
DIN-7985	184	

Plugs, tips and accessories

PU-PH	186	
PU-PO	186	
PU-TO	186	
PU-CU	186	
BOCA	187	
PU-PM	187	
ATAP	187	

TP-CR B	188	
TP-CR N	188	
TP-TP A	188	

Heavy metal clamps

AB-RI	194	
AB-RE	195	
AB-RA	196	
AB-IA	196	
AB-IR	197	
AB-GA	197	
AB-PE	198	
 AB-CH	198	
AB-DE Z	199	
AB-DE G	199	
AB-DP Z	199	
AB-DP G	199	
AB-ZI	200	
AB-SA	200	
AB-GP	201	
AB-M8	201	

Light metal clamps

AB-M6 Z	206	
AB-D6 Z	206	
AB-M6	207	
AB-D6	207	
AB-6I	208	
AB-DI	208	
AB-GM	209	
AB-GS	209	

AB-GD	209	
 AB-M7 Z	210	
 AB-D7 Z	210	
 AB-7I Z	211	
 AB-7ID Z	211	
AB-PI	212	
AB-PU	212	
AB-IP	213	
AB-TO	213	
AB-SI	213	
AB-SF	214	
AB-CR	214	
AB-BU	214	
CI-PE	215	
CI-PE A2	215	
CI-PR	215	

Stainless steel clamps

AB-RI A2	220	
AB-RI A4	220	
AB-RE A2	221	
AB-RE A4	221	
AB-M6 A2	222	
AB-SF A2	222	

Plastic clamps

BN-N		225	
BN-B		226	
TACOBRI B		228	
TACOBRI N		228	
BN-ID		228	

BN-PL	228	
BN-BA	228	
BN-VE	229	
BN-MA	229	
BN-AM	229	
BN-AZ	229	
BN-RO	229	
AB-TS	232	
AB-TD	232	
AB-TC	232	
AB-MS	233	
AB-MD	233	
AB-PR G	233	
AB-IN	234	
AB-ID	234	
AB-GU	235	
AB-MUG	235	
GR-NY BL	237	
GR-NY N	237	
GR-NY NT	237	

Bathroom and air conditioning fixings

RA-TRG	240	
RA-FRE	240	
RA-FIN	240	
RA-RO	240	
RA-TRI	241	
RA-FEM	241	
RA-RAY	241	
RA-PES	241	
SA-LN	242	

SA-LH	242	
SA-IL	242	
SA-WZ	242	
SA-WL	243	
SA-CI	243	
SA-WH	243	
CO-SO	244	
CO-KS	244	

Accessories

AB-TA	246	
AB-TA B	246	
AB-TA A2	246	
AB-TG	246	
ES-DR	247	
ES-DA2	247	
NEW AB-TR	247	
NEW AB-FP	248	
NEW AB-FC	248	
NEW TM-VR	248	
NEW AB-PM 7	248	
AR-FO	249	
GA-FO	249	
GE-SP	249	
VR-SE	249	
RV-ZN	250	
RV-A2	250	
RV-2M	250	
MAHE	251	
MARE	251	
MARI	251	

PCU	252	
PF-A4	252	
PF-ZN	252	

Steel beam clamps

SU-MO	254	
SU-CL	254	
SU-VA	254	
SU-CU	254	

Framing Systems

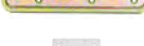
SP-Z	258	
SP-X	258	
SP-V	258	
SP-H	258	
SP-HX	258	
GP-Z	259	
GP-G	259	
GP-A2	259	
GP-PL	259	
GP-PVC	259	
GP-X	259	
EG-Z	260	
EG-A2	260	
PG-Z	260	
PG-A2	260	
SO-TP	261	
TO-GU	261	
TU-GU	261	
TU-MU	261	

Gutter Supports

TE-MO	264	
TE-GA	264	
TE-GR	264	
TE-PE	264	

Wood connectors

SO-UO	268	
SO-UR	268	
SC-EI	268	
SC-ED	268	
SC-LD	269	
SC-GA	269	
SC-RF	269	
SC-RG	269	
SC-AS	269	
SC-CE	269	
SC-OB	270	
SC-CD	270	
SC-CI	270	
SC-EM	270	
SC-ER	270	
SC-GE	271	
SC-LC	271	
SC-MX	271	
SC-PD	271	
SC-RE	271	
AP-AR	272	
AP-AT	272	
AP-FL	272	
AP-FU	272	

AP-PD	272	
AP-PG	273	
AP-PT	273	
AP-UE	273	
AP-SB	273	
AP-EN	273	
VM-PF	273	
PT-BR	274	
PT-EM	274	
PT-ET	274	
PT-OB	274	
PT-TT	274	
PT-UN	274	

Nails and bolts

AL-HA	276	
AL-HC	277	
AL-RO	278	
PA-CP	279	

Blind rivets

RE-CA	282	
RE-BL	282	
RE-NE	282	
RE-NO	283	
RE-FL	284	
RE-IN	284	
RM-MA	285	
RM-PA	285	
RM-EX	285	
TR-AV	286	

TR-CA	286	
TR-CR	286	

Drill bits + Fence parts

B-HDS	288	
CM-BP	288	
CM-BT	288	
CM-TA	288	
CM-TENSO	289	
CM-TENSOVE	289	
CM-TP	289	
CM-TT	289	
CM-UN	289	

Easykits



+ EASY TECHNICAL & COMPLETE

Materials for use, loads and coating/product material

Family presentation

Professional box tables

Product family

Product

Definition

Blister, Box with window and Free Service Tables

RANGE

CH-ES	Screw	CH-A2	Hexagon head screw stainless steel A2
CH-GA	Hook bolt	CH-INB	Zinc-plated tamperproof head
CH-AR	Eye bolt	CH-INN	Black zinc-plated tamperproof head
CH-8.8	Hexagon head screw 8.8	CH-AF	Forged eye bolt
CH-8.8 E	Hexagon head screw 8.8 for reduced thicknesses	CH-GF	Forged hook bolt
CH-PL	Flat head screw	CH-AFA2	Forged eye bolt stainless steel A2
CH-PI	Flat head screw stainless steel A2	CH-GFA2	Forged hook bolt stainless steel A2
CH-TO	Hexagon head screw 6.8	CH-GE	Hook spiral

CHARACTERISTICS APPLICATIONS

- Metallic anchor with working principle of expansion and installation by controlled torque.
- Made threaded.
- Use in non-cracked concrete.
- Easy installation.
- Integral test which prevents anchor from spinning, making installation easy.
- Built in anti-spin in insert, sleeve and thread.
- Use for medium loads.
- Installation through drilling of element to be fixed.

APPLICATIONS

- Sign fixings
- Shelving
- Paving
- Porches
- Railings
- Street furniture
- Awnings
- Fence posts
- Stadium (or cinema seating)

BASE MATERIALS

USES

INDEX

AVAILABLE IN INDEXCM

ASSESSMENTS

OPTION 7

PLASTIC ANCHORS

Nylon plug

TACON

TACON

Nylon plug

TACOL

Nylon plug with color

TACOL-A

Nylon plug with wide color

TACON-G

Big box

BULK PACKAGING

CODE	SIZE	Ø100	SCREW SIZE (mm)	MIN. VALUES (NBT)	Box	Blister
CHES	8 x 20 x 4	2,340	TPPO 2.5-4	400	100	8000
SACOR05	5 x 20 x 5	1,613	TPPO 2.5-4	400	100	8000
SACOR05	5 x 30 x 5	1,660	TPPO 3.5-4	400	100	8000
SACOR06	6 x 30 x 6	2,823	TPPO 4-5	400	100	5000
SACOR07	7 x 30 x 7	3,467	TPPO 4.5-5.6	400	100	5000
SACOR08	8 x 40 x 8	5,516	TP 6-8	200	50	2000
SACOR09	10 x 50 x 10	9,100	TP 8-10	100	20	1200
SACOR10	12 x 60 x 12	14,327	TP 10-12	50	10	1800
SACOR11	14 x 70 x 14	22,553	TP 12-14	30	5	500

CODE	SIZE	Ø100	SCREW SIZE (mm)	MIN. VALUES (NBT)	Box	Blister
CHES	8 x 20 x 4	1,803	TP 7	15	10	10
SACOR05	5 x 20 x 5	1,803	TP 7	15	10	10
SACOR06	6 x 30 x 6	1,803	TP 7	15	10	10
SACOR07	7 x 30 x 7	1,803	TP 7	15	10	10
SACOR08	8 x 40 x 8	1,803	TP 7	15	10	10
SACOR09	10 x 50 x 10	1,803	TP 7	15	10	10
SACOR10	12 x 60 x 12	1,803	TP 7	15	10	10

CODE	SIZE	Ø100	SCREW SIZE (mm)	MIN. VALUES (NBT)	Box	Blister
TACON05	5 x 20 x 5	1,907	TPPO 2.5-4	400	100	3000
TACON06	6 x 30 x 6	2,823	TPPO 3.5-4	400	100	4000
TACON08	8 x 40 x 8	5,977	TPPO 4.5-5.6	400	100	5000
TACON09	10 x 50 x 10	7,143	TPPO 6.3-7.5	200	50	2500
TACON12	12 x 60 x 12	15,317	TP 8-8	100	25	1200

CODE	SIZE	Ø100	SCREW SIZE (mm)	MIN. VALUES (NBT)	Box	Blister
TACOL05	5 x 20 x 5	2,225	TPPO 3.5-4	100	2000	

CODE	SIZE	Ø100	SCREW SIZE (mm)	MIN. VALUES (NBT)	Box	Blister
TACONG05	5 x 25 x 5	1,433	TPPO 2.5-4	15,000		
TACONG06	6 x 30 x 6	1,530	TPPO 3.5-4	10,000		
TACONG08	8 x 40 x 8	2,897	TPPO 4.5-5.6	5,000		
TACONG10	10 x 50 x 10	4,800	TP 6-8	2,000		
TACONG12	12 x 60 x 12	8,927	TP 8-10	1,500		
TACONG14	14 x 70 x 14	14,340	TP 10-12	1,000		

Applications/Uses

Reference to technical information page

Product included in INDEXcal

PRODUCT MATERIALS

 Steel	 Bimetal	 Stainless steel A2	 Stainless steel A4	 Iron
 Zamak	 Brass	 Nylon	 PVC	 Polypropylene
 Yellow zinc-plated	 Chromed	 Silver Ruspert	 Black zinc-plated	 White zinc-plated
 Zinc-plated	 Black plastic	 White plastic	 Yellow plastic	 Phosphated
 Aluminium	 Nickel Chrome	 Galvanized	 Organic blue galvanized	 Sherardized

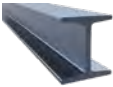
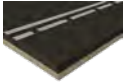
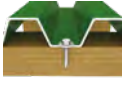
CATEGORIES DEPENDING ON THE LEVEL OF CORROSION

Categorie	Level of corrosion	Coating
C1	 Very low	      
C2	 Low	  
C3	 Medium	 
C4	 High	
C5	 Very high	

LOADS

 Light loads	 Medium loads	 Heavy loads	 Extra-heavy loads
--	--	---	---

USE MATERIALS

	Aluminium frames		PVC frames		Gutters		I-beam
	Plasterboard		Asphalt		Sandwich panel		Metal sheet - heavy profiles
	Metal sheet - light profiles		Metal sheet assembly		Metal sheet - wood		Fibre cement
	Wood - metal		Plaster		Reinforced concrete		Cracked concrete
	Concrete		Hollow concrete		Solid brick		Hollow brick
	Honeycomb clay block		Stone		Adobe brick		Aerated concrete
	Hardwood		Pinewood		Thin wood		Wood panel
	Hollow core Plate		Tile		Stainless steel pipe		Steel pipe
	Ventilation		Fire fighting pipe		Gas pipe		Flexible pipe
	Chrome pipe		Cooper pipe		Cable		PVC pipe

HEADS

	Rounded		Cylindrical
	Hexagonal		Hexagonal with washer
	Clip		Flat
	Countersunk with grooves		Panhead with washer
	Panhead		Raised counter-sunk
	Cornet		Tamper-proof
	Countersunk		

SOCKETS

	Hexagonal		Hexagonal with washer
	Squared		Allen
	PZ-TX		TX
	Hexagonal with slot		Slot
	PH		PZ



METAL ANCHORS



NEW ETA ASSESSMENT

ASSESSED SLEEVE ANCHOR WITH ANTI-SPIN FOR MEDIUM LOADS



RANGE

CH-ES		Screw
CH-GA		Hook bolt
CH-AR		Eye bolt
CH-8.8		Hexagon head screw 8.8  
CH-8.8 E		Hexagon head screw 8.8 for reduced thicknesses
CH-PL		Flat head screw  
CH-PI		Flat head screw stainless steel A2
CH-TO		Hexagon head screw 6.8  

CH-A2		Hexagon head screw stainless steel A2
CH-INB		Zinc-plated tamperproof head  
CH-INN		Black zinc-plated tamperproof head  
CH-AF		Forged eye bolt
CH-GF		Forged hook bolt
CH-AF A2		Forged eye bolt stainless steel A2
CH-GF A2		Forged hook bolt stainless steel A2
CH-GE		Hook spiral

CHARACTERISTICS APPLICATIONS

- Metallic anchor with working principle of expansion and installation by controlled torque.
- Male thread.
- Use in non-cracked concrete.
- Easy installation.
- Integral set which prevents anchor from spinning, making installation easy.
- Built-in anti-spin in insert, sleeve and thread.
- Use for medium loads.
- Installation through drilling of element to be fixed.

APPLICATIONS

- Sign fixings
- Shelving
- Panelling
- Porches
- Railings
- Street furniture
- Awnings
- Fence posts
- Stadium or cinema seating

BASE MATERIALS



USES



ASSESSMENTS



OPTION 7





Anti-spin sleeve anchor , for heavy-duty fixings

CH

SOLID



CODE	SIZE	€/100		
ACHT08C	M6 x 45 Ø8	25,259	200	1.200
ACHT08L	M6 x 60 Ø8	29,264	200	800
•ACHT09C	M6 x 45 Ø9	30,787	200	800
•ACHT09L	M6 x 60 Ø9	34,847	200	800
ACHT10C	M8 x 60 Ø10	41,320	100	600
ACHT10L	M8 x 80 Ø10	48,440	100	400
•ACHT11C	M8 x 60 Ø11	48,991	100	400
•ACHT11L	M8 x 80 Ø11	59,000	100	400
ACHT12C	M10 x 70 Ø12	67,354	100	200
ACHT12L	M10 x 100 Ø12	83,235	50	200
•ACHT14C	M10 x 70 Ø14	84,881	100	200
•ACHT14L	M10 x 100 Ø14	103,176	50	200
ACHT16C	M12 x 80 Ø16	130,597	50	200
ACHT16L	M12 x 110 Ø16	158,460	50	100
ACHT20C	M16 x 110 Ø20	285,546	25	50
•ACHT25C	M20 x 130 Ø25	815,612	15	45

• Non-assessed sizes



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZACHT08C	M6 x 45 Ø8	3,136	2	15
BZACHT08L	M6 x 60 Ø8	3,136	2	15
BZACHT10C	M8 x 60 Ø10	3,136	2	15
BZACHT10L	M8 x 80 Ø10	3,136	2	15
BZACHT12C	M10 x 70 Ø12	3,136	2	10
BZACHT12L	M10 x 100 Ø12	3,136	2	10



Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VACHT08C	M6 x 45 Ø8	5,144	15	8
VACHT08L	M6 x 60 Ø8	5,794	15	8
VACHT10C	M8 x 60 Ø10	5,450	10	8
VACHT10L	M8 x 80 Ø10	6,385	10	8
VACHT12C	M10 x 70 Ø12	6,882	8	8
VACHT12L	M10 x 100 Ø12	6,542	6	8
VACHT16C	M12 x 80 Ø16	6,620	4	8



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
LSACHT08C	M6 x 45 Ø8	8,075	24	6
LSACHT08L	M6 x 60 Ø8	6,360	16	6
LSACHT10C	M8 x 60 Ø10	4,746	8	6
LSACHT10L	M8 x 80 Ø10	5,222	8	6
LSACHT12C	M10 x 70 Ø12	6,882	8	6
LSACHT12L	M10 x 100 Ø12	7,993	8	6
LSACHT16C	M12 x 80 Ø16	6,654	4	5

STAINLESS STEEL



CODE	SIZE	€/100		
ACHTA208C	M6 x 45 Ø8	90,362	100	1.200
ACHTA208L	M6 x 60 Ø8	102,084	100	600
ACHTA209C	M6 x 45 Ø9	102,261	100	1.200
ACHTA209L	M6 x 60 Ø9	118,114	100	600
ACHTA210C	M8 x 60 Ø10	146,410	100	600
ACHTA210L	M8 x 80 Ø10	168,420	100	400
ACHTA211C	M8 x 60 Ø11	176,140	100	400
ACHTA211L	M8 x 80 Ø11	207,493	100	400
ACHTA212C	M10 x 70 Ø12	246,983	100	200
ACHTA212L	M10 x 100 Ø12	302,049	50	200
ACHTA214C	M10 x 70 Ø14	328,545	100	300
ACHTA214L	M10 x 100 Ø14	366,459	50	200
ACHTA216C	M12 x 80 Ø16	487,014	50	100
ACHTA216L	M12 x 110 Ø16	616,268	50	100
ACHTA220C	M16 x 110 Ø20	1.265,235	25	75



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZACHTA208C	M6 x 45 Ø8	4,229	2	15
BZACHTA208L	M6 x 60 Ø8	4,229	2	15
BZACHTA210C	M8 x 60 Ø10	4,229	2	15
BZACHTA210L	M8 x 80 Ø10	4,229	2	15



Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VACHTA208C	M6 x 45 Ø8	12,247	10	8
VACHTA208L	M6 x 60 Ø8	14,237	10	8
VACHTA210C	M8 x 60 Ø10	12,750	6	8
VACHTA210L	M8 x 80 Ø10	15,183	6	8
VACHTA212C	M10 x 70 Ø12	14,307	4	8
VACHTA212L	M10 x 100 Ø12	17,660	4	8



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
LSACHTA208C	M6 x 45 Ø8	13,227	12	6
LSACHTA208L	M6 x 60 Ø8	15,377	12	6
LSACHTA210C	M8 x 60 Ø10	15,300	8	6
LSACHTA210L	M8 x 80 Ø10	18,217	8	6
LSACHTA212C	M10 x 70 Ø12	19,317	6	6
LSACHTA212L	M10 x 100 Ø12	17,660	4	5

CH-A2 **NEW**

Stainless steel A2



Technical info



CH

Anti-spin sleeve anchor, for heavy-duty fixings

CH-8.8

Hexagonal head screw 8.8. Option 7 ETA Assessed



02 Technical info
P. 300



18
Técnicas Expansivas S.L.
Segador 13, Logroño,
Spain
ETA 18/0018
1219
Structural fixings in
uncracked

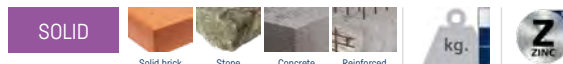


CH-8.8 E

Hexagonal head screw 8.8 for reduced thicknesses



02 Technical info
P. 301



CODE	SIZE	€/100		
ACHT8808C	M6 x 45 Ø8	29,046	200	1.200
ACHT8808L	M6 x 60 Ø8	33,653	200	800
ACHT8810C	M8 x 60 Ø10	47,518	100	600
ACHT8810L	M8 x 80 Ø10	55,706	100	400
ACHT8812C	M10 x 70 Ø12	77,455	100	200
ACHT8812L	M10 x 100 Ø12	95,720	50	200
ACHT8816C	M12 x 80 Ø16	146,271	50	200
ACHT8816L	M12 x 110 Ø16	177,477	50	100
ACHT8820C	M16 x 110 Ø20	314,099	25	50



CODE	SIZE	€/100		
ACHT8808E	M6 x 40 Ø8	33,718	200	1.200
ACHT8810E	M8 x 40 Ø10	57,569	100	600



CH-8.8 E



Especialmente suitable for fixings on reduced thicknesses of concrete

CH-PL

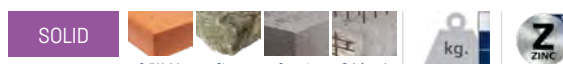
Flat head screw. Option 7 ETA Assessed



02 Technical info
P. 301



18
Técnicas Expansivas S.L.
Segador 13, Logroño,
Spain
ETA 18/0018
1219
Structural fixings in
uncracked



CODE	SIZE	€/100		
ACHTPL08C	M6 x 45 Ø8	46,107	4	100
ACHTPL08L	M6 x 60 Ø8	67,620	4	100
ACHTPL10C	M8 x 60 Ø10	75,087	5	100
ACHTPL10L	M8 x 80 Ø10	102,143	5	100
ACHTPL12C	M10 x 70 Ø12	134,160	6	50
ACHTPL12L	M10 x 100 Ø12	230,027	6	50

CH-PI

Stainless steel A2 flat head screw. Option 7 ETA Assessed



02 Technical info
P. 301



STAINLESS STEEL



CODE	SIZE	€/100		
ACHTPI08C	M6 x 45 Ø8	96,857	4	100
ACHTPI08L	M6 x 60 Ø8	124,023	4	100
ACHTPI10C	M8 x 60 Ø10	182,727	5	100
ACHTPI10L	M8 x 80 Ø10	216,307	5	100
ACHTPI12C	M10 x 70 Ø12	288,933	6	50
ACHTPI12L	M10 x 100 Ø12	341,117	6	50



Anti-spin sleeve anchor , for heavy-duty fixings

CH

SOLID



CODE	SIZE	€/100		
ACHE08C	M6 x 45 Ø8	45,067	200	1.200
ACHE09C	M6 x 45 Ø9	46,645	200	800
ACHE10C	M8 x 60 Ø10	64,804	100	600
ACHE10L	M8 x 80 Ø10	77,619	100	400
ACHE11C	M8 x 60 Ø11	66,796	100	600
ACHE11L	M8 x 80 Ø11	73,821	100	400
ACHE12C	M10 x 70 Ø12	98,709	100	200
ACHE12L	M10 x 100 Ø12	129,190	50	200
ACHE14C	M10 x 70 Ø14	103,884	100	200
ACHE14L	M10 x 100 Ø14	139,499	50	200

CH-ES **NEW**

Projecting bolt



02
P.301

Technical info



SOLID



CODE	SIZE	€/100	APERTURE HOOK		
ACHG08C	M6 x 45 Ø8	42,718	10	100	600
ACHG09C	M6 x 45 Ø9	45,978	10	100	600
ACHG10C	M8 x 60 Ø10	73,043	13	100	400
ACHG11C	M8 x 60 Ø11	80,441	13	100	400
ACHG12C	M10 x 70 Ø12	118,190	14	50	200
ACHG14C	M10 x 70 Ø14	135,429	14	50	200
ACHG16C	M12 x 80 Ø16	214,613	22	25	100

CH-GA **NEW**

Hook bolt



02
P.301

Technical info



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS	CODE	SIZE	€/BOX	PCS.	BOXES	CODE	SIZE	€/BAG	PCS.	BAGS
BZACHG08C	M6 x 45 Ø8	3,136	2	15	VACHG08C	M6 x 45 Ø8	5,463	10	8	LSACHG08C	M6 x 45 Ø8	6,404	12	6
BZACHG10C	M8 x 60 Ø10	3,136	2	15	VACHG10C	M8 x 60 Ø10	5,542	6	8	LSACHG10C	M8 x 60 Ø10	5,542	6	6
BZACHG12C	M10 x 70 Ø12	3,136	2	10										

SOLID



CODE	SIZE	€/100	EYE BOLT Ø		
ACHA08C	M6 x 45 Ø8	42,718	10	100	600
ACHA09C	M6 x 45 Ø9	45,978	10	100	600
ACHA10C	M8 x 60 Ø10	73,043	13	100	400
ACHA11C	M8 x 60 Ø11	80,441	13	100	200
ACHA12C	M10 x 70 Ø12	118,190	14	50	200
ACHA14C	M10 x 70 Ø14	135,429	14	50	200
ACHA16C	M12 x 80 Ø16	214,613	22	25	100

CH-AR **NEW**

Eye bolt



02
P.301

Technical info



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS	CODE	SIZE	€/BOX	PCS.	BOXES	CODE	SIZE	€/BAG	PCS.	BAGS
BZACHA08C	M6 x 45 Ø8	3,136	2	15	VACHA08C	M6 x 45 Ø8	5,564	10	8	LSACHA08C	M6 x 45 Ø8	7,581	14	6
BZACHA10C	M8 x 60 Ø10	3,136	2	15	VACHA10C	M8 x 60 Ø10	5,542	6	8	LSACHA10C	M8 x 60 Ø10	5,542	6	6
BZACHA12C	M10 x 70 Ø12	3,136	2	10										

CH

Anti-spin sleeve anchor, for heavy-duty fixings

CH-INB

Zinc-plated tamperproof head. Option 7 ETA Assessed

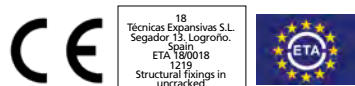


18
Técnicas Expansivas S.L.
Segador, 13, Logroño,
Spain.
ETA 180018
1219
Structural fixings in
uncracked



CH-INN

Black zinc-plated tamperproof head. Option 7 ETA Assessed



18
Técnicas Expansivas S.L.
Segador, 13, Logroño,
Spain.
ETA 180018
1219
Structural fixings in
uncracked



CH-AF

Forged eye bolt



CH-GF

Forged hook bolt



CODE	SIZE	€/100			
ACHINB08C	M6 x 45 Ø8	44,337	TX40	100	1.200
ACHINB08L	M6 x 60 Ø8	50,813	TX40	100	800
ACHINB10C	M8 x 60 Ø10	64,820	TX40	100	600
ACHINB10L	M8 x 80 Ø10	77,253	TX40	100	400



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZACHINB08C	M6 x 45 Ø8	3,136	2	15
BZACHINB10C	M8 x 60 Ø10	3,136	2	15

Tamperproof available separately on page 166.

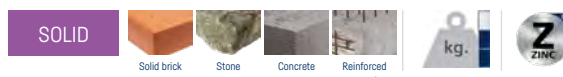


CODE	SIZE	€/100			
ACHINN08C	M6 x 45 Ø8	54,030	TX40	100	1.200
ACHINN08L	M6 x 60 Ø8	60,533	TX40	100	800
ACHINN10C	M8 x 60 Ø10	72,726	TX40	100	600
ACHINN10L	M8 x 80 Ø10	87,343	TX40	100	600

Tamperproof available separately on page 166.



CODE	SIZE	€/100	EYE BOLT Ø		
ACHAF008C	M6 x 45 Ø8	83,593	10	100	600
ACHAF010C	M8 x 60 Ø10	109,190	12	100	400
ACHAF012C	M10 x 70 Ø12	167,600	14	50	200



CODE	SIZE	€/100	APERTURE HOOK		
ACHGF008C	M6 x 45 Ø8	88,353	10	100	600
ACHGF010C	M8 x 60 Ø10	120,307	11	100	400
ACHGF012C	M10 x 70 Ø12	197,182	14	50	200



Anti-spin sleeve anchor , for heavy-duty fixings

CH

STAINLESS STEEL



CODE	SIZE	€/100	EYE BOLT Ø		
ACHAA208C	M6 x 45 Ø8	354,797	10	100	600
ACHAA210C	M8 x 60 Ø10	558,022	11	100	400
ACHAA212C	M10 x 70 Ø12	772,796	14	50	200

CH-AF A2 **Now**

Stainless steel A2 forged eye bolt



02
Technical
info
p. 302

STAINLESS STEEL



CODE	SIZE	€/100	APERTURE HOOK		
ACHGA208C	M6 x 45 Ø8	340,883	10	100	600
ACHGA210C	M8 x 60 Ø10	506,357	11	100	400
ACHGA212C	M10 x 70 Ø12	705,366	14	50	200

CH-GF A2 **Now**

Stainless steel A2 forged hook bolt



02
Technical
info
p. 302

SOLID



CODE	SIZE	€/100		
ACHGE10	M8 x 115 Ø10	172,270	25	150
ACHGE12	M10 x 135 Ø12	196,613	15	90

CH-GE **Now**

Hook spiral

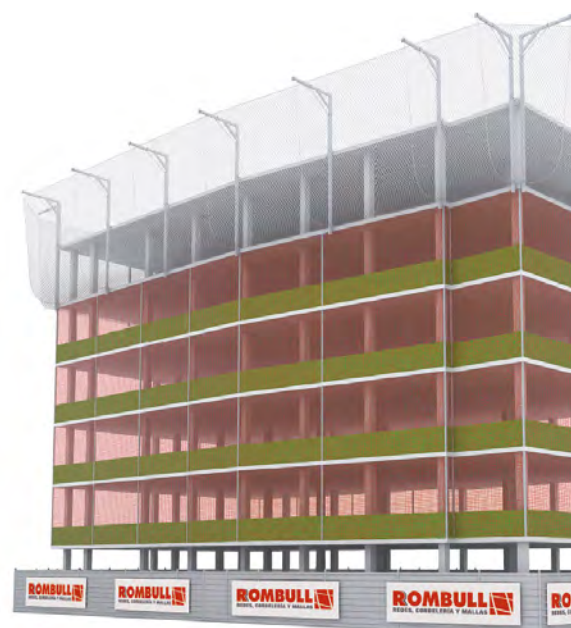


02
Technical
info
p. 302

Hook bolt, eye bolt and spiral hook available separately on page 249



CH-GE

SPIRAL HOOK BOLT FOR NETTING, MESH
AND CABLE FIXING



HI

Steel anchor for heavy-duty fixings

HI-CA

Shield



02
P. 302

Technical
info

SOLID



CODE	SIZE	€/100	SHIELD LENGHT		
AHICA0645	M6 x 45 Ø12	46,121	41	100	1.200
AHICA0855	M8 x 55 Ø14	61,775	45	50	600
AHICA1065	M10 x 65 Ø16	77,513	57	50	300
AHICA1275	M12 x 75 Ø20	110,279	70	25	150
AHICA1690	M16 x 90 Ø24	202,877	90	10	60

HI-CI

Stainless-steel A2 shield



02
P. 303

Technical
info

STAINLESS STEEL



CODE	SIZE	€/100	SHIELD LENGHT		
AHICI0645	M6 x 45 Ø12	475,915	40	100	600
AHICI0855	M8 x 55 Ø14	668,409	48	50	600
AHICI1065	M10 x 65 Ø16	892,378	59	50	300

HI-TO

Loose bolt 8.8



02
P. 303

Technical
info

SOLID



CODE	SIZE	€/100		
AHITO0645	M6 x 45 Ø12	59,476	100	600
AHITO0855	M8 x 55 Ø14	100,419	50	300
AHITO1065	M10 x 65 Ø16	142,678	50	200
AHITO1275	M12 x 75 Ø20	206,863	25	100
AHITO1690	M16 x 90 Ø24	447,407	10	40

HI-AR

Eye bolt



02
P. 303

Technical
info

SOLID



CODE	SIZE	€/100	EYE BOLT Ø		
AHIAR0645	M6 x 45 Ø12	107,579	10	100	400
AHIAR0855	M8 x 55 Ø14	151,082	12	50	300
AHIAR1065	M10 x 65 Ø16	202,807	14	50	200
AHIAR1275	M12 x 75 Ø20	341,088	17	25	75
AHIAR1690	M16 x 90 Ø24	721,980	23	10	30

HI-GA

Hook bolt



02
P. 303

Technical
info

SOLID



CODE	SIZE	€/100	APERTURE HOOK		
AHIGA0645	M6 x 45 Ø12	108,225	10	100	400
AHIGA0855	M8 x 55 Ø14	169,786	11	50	300
AHIGA1065	M10 x 65 Ø16	250,515	14	50	100
AHIGA1275	M12 x 75 Ø20	400,704	18	25	75
AHIGA1690	M16 x 90 Ø24	780,419	19	10	30



Winged steel anchor for heavy-duty fixings

AC

SOLID



CODE	SIZE	€/100	SHIELD LENGHT	MIN. ORDER QTY.		
AACCA06	M6 x 40 Ø10	22,231	40	-	50	1.200
AACCA08	M8 x 50 Ø14	35,465	50	100	50	600
AACCA10	M10 x 60 Ø16	46,309	60	100	50	300
AACCA12	M12 x 80 Ø20	83,897	80	50	25	300
AACCA16	M16 x 100 Ø25	225,563	100	20	10	120

STAINLESS STEEL



CODE	SIZE	€/100	SHIELD LENGHT		
AACCI06	M6 x 40 Ø10	467,780	40	50	1.200
AACCI08	M8 x 50 Ø14	848,183	50	50	600
AACCI10	M10 x 60 Ø16	896,387	60	25	300
AACCI12	M12 x 80 Ø20	1.755,873	80	10	120

SOLID



CODE	SIZE	€/100	PROJECTING BOLT LENGTH		
AACT006	M6 x 40 Ø10	39,131	50	50	600
AACT008	M8 x 50 Ø14	67,361	60	50	300
AACT010	M10 x 60 Ø16	96,259	70	50	200
AACT012	M12 x 80 Ø20	184,018	100	25	100
AACT016	M16 x 125 Ø25	440,453	120	10	30

SOLID



CODE	SIZE	€/100	PROJECTING BOLT LENGTH		
AACES06	M6 x 40 Ø10	45,272	60	50	600
AACES08	M8 x 50 Ø14	72,436	70	50	300
AACES10	M10 x 60 Ø16	107,875	80	50	200
AACES12	M12 x 80 Ø20	216,367	115	25	100

SOLID



CODE	SIZE	€/100	EYE BOLT Ø		
AACAR06	M6 x 40 Ø10	77,945	10	50	600
AACAR08	M8 x 50 Ø14	106,955	12	50	300
AACAR10	M10 x 60 Ø16	160,806	14	50	200
AACAR12	M12 x 80 Ø20	270,064	17	25	100

SOLID



CODE	SIZE	€/100	APERTURE HOOK		
AACGA06	M6 x 40 Ø10	80,179	10	50	600
AACGA08	M8 x 50 Ø14	118,973	11	50	300
AACGA10	M10 x 60 Ø16	180,285	14	50	100
AACGA12	M12 x 80 Ø20	311,880	18	25	50

AC-CA

Shield



02
P. 303
Technical info

AC-CI

Stainless steel A4 shield



02
P. 304
Technical info

AC-TO

Loose bolt 6.8



02
P. 304
Technical info

AC-ES

Projecting bolt



02
P. 304
Technical info

AC-AR

Eye bolt



02
P. 304
Technical info

AC-GA

Hook bolt



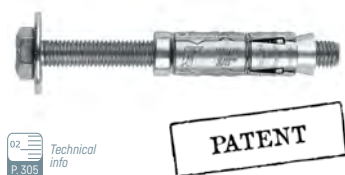
02
P. 304
Technical info

ZA

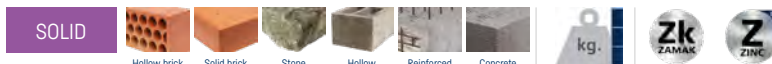
Anchor for medium-heavy loads in hollow and solid elements

ZA-TL

Long loose bolt



02
P. 305
Technical
info



CODE	SIZE	€/100	SCREW SIZE		
ZT06L10	M6 x 60 Ø12	149,896	60	100	600
• ZT06L30	M6 x 80 Ø12	164,288	80	100	600
ZT08L15	M8 x 70 Ø14	203,691	70	100	400
ZT08L35	M8 x 90 Ø14	211,562	90	100	400
ZT08L45	M8 x 100 Ø14	229,738	100	100	300
ZT10L10	M10 x 70 Ø16	325,070	70	50	200
ZT10L30	M10 x 90 Ø16	326,227	90	50	200
ZT10L50	M10 x 110 Ø16	312,871	110	50	200
• ZT10L80	M10 x 140 Ø16	364,225	140	50	150
ZT12L15	M12 x 90 Ø20	492,748	90	25	100
ZT12L45	M12 x 120 Ø20	507,566	120	25	50
ZT12L65	M12 x 140 Ø20	555,781	140	25	100

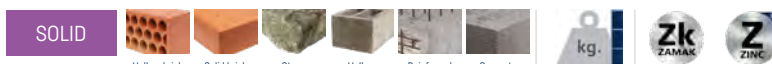
• Availability: end of stock

ZA-PR

Long loose bolt with pipe



02
P. 305
Technical
info



CODE	SIZE	€/100	PIPE LENGTH		
ZP06C40	M6 x 90 Ø12	313,126	40	100	400
ZP08C15	M8 x 70 Ø14	316,414	15	100	200
ZP08C45	M8 x 100 Ø14	366,075	45	100	300
• ZP10C50	M10 x 110 Ø16	513,084	50	50	100
ZP10C80	M10 x 140 Ø16	608,427	80	50	100
ZP12C15	M12 x 90 Ø20	652,055	15	25	100
ZP12C65	M12 x 140 Ø20	794,223	65	25	50

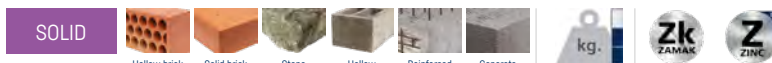
• Availability: end of stock

ZA-AF

Forged eye bolt



02
P. 305
Technical
info



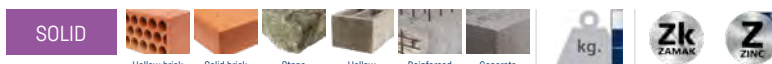
CODE	SIZE	€/100	EYE BOLT Ø		
AZAMAF006	M6 x 45 Ø12	198,307	10	50	600
AZAMAF008	M8 x 50 Ø14	267,509	12	50	300
AZAMAF010	M10 x 56 Ø16	355,716	14	25	150
AZAMAF012	M12 x 70 Ø20	569,088	17	25	100

ZA-GF

Forged hook bolt



02
P. 306
Technical
info



CODE	SIZE	€/100	APERTURE HOOK		
AZAMGF006	M6 x 45 Ø12	199,304	10	50	600
AZAMGF008	M8 x 50 Ø14	289,475	11	50	300
AZAMGF010	M10 x 56 Ø16	385,315	14	25	150
AZAMGF012	M12 x 70 Ø20	625,424	18	25	100



Anchor for medium-heavy loads in hollow and solid elements

ZA

SOLID



CODE	SIZE	€/100	SHIELD LENGHT		
AZAMT06	M6 x 50 Ø12	124,901	48	100	600
AZAMT08	M8 x 60 Ø14	158,477	50	100	400
AZAMT10	M10 x 80 Ø16	225,896	58	50	200
AZAMT12	M12 x 100 Ø20	374,157	72	25	100
AZAMT16	M16 x 140 Ø25	831,902	107	25	50

ZA-TO

Loose bolt

02
P. 304
Technical
info

PATENT

SOLID



CODE	SIZE	€/100	SCREW SIZE		
AZAME06	M6 x 60 Ø12	129,477	60	100	600
AZAME08	M8 x 70 Ø14	176,643	70	100	400
AZAME10	M10 x 100 Ø16	243,757	100	50	200
AZAME12	M12 x 120 Ø20	412,029	120	25	100
AZAME16	M16 x 140 Ø25	905,930	140	25	50

ZA-ES

Projecting bolt

02
P. 305
Technical
info

PATENT

SOLID



CODE	SIZE	€/100	SHIELD LENGHT		
AZAMC06	M6 x 48 Ø12	97,600	48	100	1.200
AZAMC08	M8 x 50 Ø14	121,434	50	100	600
AZAMC10	M10 x 58 Ø16	156,327	58	50	300
AZAMC12	M12 x 72 Ø20	250,743	72	25	300
AZAMC16	M16 x 107 Ø25	572,254	107	25	150

ZA-CA

Shield

02
P. 305
Technical
info

PATENT

SOLID



CODE	SIZE	€/100	EYE BOLT Ø		
AZAMA06	M6 x 45 Ø12	145,013	10	50	600
AZAMA08	M8 x 50 Ø14	215,887	13	50	300
AZAMA10	M10 x 56 Ø16	278,497	14	25	150
AZAMA12	M12 x 70 Ø20	454,427	22	25	100

ZA-AR

Eye bolt

02
P. 305
Technical
info

PATENT

SOLID



CODE	SIZE	€/100	APERTURE HOOK		
AZAMG06	M6 x 45 Ø12	146,435	10	50	600
AZAMG08	M8 x 50 Ø14	205,672	13	50	300
AZAMG10	M10 x 56 Ø16	286,075	14	25	150
AZAMG12	M12 x 70 Ø20	458,386	22	25	100

ZA-GA

Hook bolt

02
P. 305
Technical
info

PATENT



ADVANTAGES

10

The MT family has 10 models, designed based on the needs of the installer.

- Materials: Steel and stainless steel
- Coatings: Zinc-plated, Sherardized, Hot-dip galvanized
- Inch or metric thread

(See comparison table on following page)

WE ARE
MANU
FACTURER

Leaders in metallic anchor manufacturing. The actual design and the production process guarantee a product which remains a market leader year after year.



High load capacity thanks to insert and axis thread design. Allows anchor installation at reduced distances between axes and from edges.



Quality Guarantee. Our products have the most prestigious assessments; EOTA, ICC, Seismic Assessment, Fire Assessment and CE Certification.



Suitable for solid materials: Cracked concrete, non-cracked concrete, reinforced concrete and stone.



Length indicated on the head using a letter for anchor identification purposes after installation.

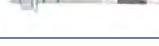


AVAILABLE
IN
INDEXcal

USES





RANGE							
PRODUCT	PICTURE	ASSESSMENT		METRIC / INCHES	SHAFT	MATERIAL CLIP	BASE MATERIALS
MTP		  	OPTION 1	METRIC			   
MTP-X		  	OPTION 1	METRIC			   
MTP-G		 	OPTION 1	METRIC			   
MTP-A4		  	OPTION 1	METRIC			   
MTH		 	OPTION 7	METRIC			  
MTH-A4		 	OPTION 7	METRIC			  
MTH-A2		 	OPTION 7	METRIC			  
MTA				METRIC			  
MTD-X				INCH			   
MTL				INCH			  



ZINC PLATED



STAINLESS STEEL A2



STAINLESS STEEL A4



SHERARDIZED



CRACKED CONCRETE



CONCRETE



REINFORCED CONCRETE



STONE

MTP-X

Length indicated on the head using a letter for anchor identification purpose after installation.

ASSESSMENTS AND CERTIFICATIONS



OPTION 1



FIRE
RESISTANCE



SEISMIC
C2&C1

CRACKED AND NON-CRACKED CONCRETE
Suitable for installation in cracked concrete, non-cracked concrete, as well as in reinforced concrete and stone.

ZINC-PLATED SHAFT

SHERARDIZED CLIP
Guarantees high resistance to corrosion.



Through bolt anchor for heavy loads in concrete and non-cracked concrete

MT

SOLID



CODE	SEISMIC ASSESSMENT	SIZE	€/100	MAX. FIXTURE THICKNESS	AXIS LETTER (LENGTH)		
•AP08050	-	M8 x 50 Ø8	73,277	2	A	100	800
AP08075	-	M8 x 75 Ø8	77,613	9	C	100	600
AP08095	-	M8 x 95 Ø8	81,850	29	E	100	600
AP08115	-	M8 x 115 Ø8	100,423	49	G	100	400
AP10090	C1	M10 x 90 Ø10	106,120	10	E	100	400
AP10105	C1	M10 x 105 Ø10	125,940	25	F	50	300
AP10115	C1	M10 x 115 Ø10	133,267	35	G	50	200
AP10135	C1	M10 x 135 Ø10	153,153	55	H	50	200
AP10165	C1	M10 x 165 Ø10	184,297	85	K	50	200
AP10185	C1	M10 x 185 Ø10	195,237	105	L	50	150
•AP12080	-	M12 x 80 Ø12	151,800	4	D	50	300
AP12100	C1&C2	M12 x 100 Ø12	166,517	4	E	50	200
AP12110	C1&C2	M12 x 110 Ø12	162,530	14	F	50	200
AP12120	C1&C2	M12 x 120 Ø12	198,500	24	G	50	200
AP12130	C1&C2	M12 x 130 Ø12	205,480	34	H	50	200
AP12150	C1&C2	M12 x 150 Ø12	242,613	54	I	50	100
AP12180	C1&C2	M12 x 180 Ø12	289,400	84	L	50	150
AP12200	C1&C2	M12 x 200 Ø12	338,590	104	M	50	150
AP16145	C1&C2	M16 x 145 Ø16	375,847	28	I	25	100
AP16175	C1&C2	M16 x 175 Ø16	485,353	58	K	25	50
AP16220	C1&C2	M16 x 220 Ø16	569,827	103	O	25	50
AP16250	C1&C2	M16 x 250 Ø16	738,970	133	Q	25	50
AP20170	-	M20 x 170 Ø20	733,377	32	K	20	40
AP20200	-	M20 x 200 Ø20	872,050	62	M	20	40
AP24205	-	M24 x 205 Ø24	1.687,647	35	N	10	30
AP24235	-	M24 x 235 Ø24	1.867,543	65	P	10	20

• Non-assessed sizes

SOLID



CODE	SEISMIC ASSESSMENT	SIZE	€/100	DRILL Ø	MAX. FIXTURE THICKNESS	AXIS LETTER (LENGTH)		
•APX08050	-	M8 x 50 Ø8	59,918	8	2	A	100	800
APX08075	-	M8 x 75 Ø8	63,444	8	9	C	100	600
APX08080	-	M8 x 80 Ø8	65,348	8	14	D	100	600
APX08095	-	M8 x 95 Ø8	68,758	8	29	E	100	600
APX08115	-	M8 x 115 Ø8	84,388	8	49	G	100	400
APX10090	C1	M10 x 90 Ø10	89,168	10	10	E	100	400
APX10105	C1	M10 x 105 Ø10	101,031	10	25	F	50	300
APX10115	C1	M10 x 115 Ø10	105,995	10	35	G	50	200
APX10135	C1	M10 x 135 Ø10	132,059	10	55	H	50	200
APX10165	C1	M10 x 165 Ø10	154,183	10	85	K	50	200
APX10185	C1	M10 x 185 Ø10	170,258	10	105	L	50	150
•APX12080	-	M12 x 80 Ø12	120,489	12	4	D	50	300
APX12100	C1&C2	M12 x 100 Ø12	132,879	12	4	E	50	200
APX12110	C1&C2	M12 x 110 Ø12	135,881	12	14	F	50	200
APX12120	C1&C2	M12 x 120 Ø12	170,258	12	24	G	50	200
APX12130	C1&C2	M12 x 130 Ø12	177,898	12	34	H	50	200
APX12150	C1&C2	M12 x 150 Ø12	194,269	12	54	I	50	100
APX12180	C1&C2	M12 x 180 Ø12	243,382	12	84	L	50	150
APX12200	C1&C2	M12 x 200 Ø12	283,764	12	104	M	50	150
APX12220	C1&C2	M12 x 220 Ø12	297,952	12	124	O	25	50
APX12255	C1&C2	M12 x 255 Ø12	327,746	12	159	R	25	50
APX16145	C1	M16 x 145 Ø16	344,882	16	28	I	25	100
APX16175	C1	M16 x 175 Ø16	403,818	16	58	K	25	50
APX16220	C1	M16 x 220 Ø16	474,759	16	103	O	25	50
APX16250	C1	M16 x 250 Ø16	611,184	16	133	Q	25	50
APX20170	C1&C2	M20 x 170 Ø20	616,641	20	32	K	20	40
APX20200	C1&C2	M20 x 200 Ø20	703,953	20	62	M	20	40

• Non-assessed sizes

MTP

Option 1 ETA Assessed. Zinc-plated shaft. A4 Stainless clip



Technical info



12
Técnicas Expansivas S.L.
Segador 13. Logroño.
Spain
ETA 120397
1219
Structural fixings in
concrete



FIRE
RESISTANCE



SEISMIC
C2&C1



Also available with DIN 9021 washer



DO-MT
Setting tool

PAG. 56

MTP-X

Option 1 ETA Assessed



Technical info



15
Técnicas Expansivas S.L.
Segador 13. Logroño.
Spain
ETA 120397
1219
Structural fixings in
concrete



FIRE
RESISTANCE



SEISMIC
C2&C1



Also available with DIN 9021 washer



DO-MT
Setting tool

PAG. 56



MT

Through bolt anchor for heavy loads in concrete and non-cracked concrete

MTP-G

Sherardized shaft. Option 1 ETA Assessed. A4 Stainless clip

02
P. 307
Technical
info14
Técnicas Expansivas S.L.
Segador, 13. Logroño.
Spain
ETA-120397
1219
Structural fixings in
concrete

DO-MT

Setting tool

PAG.
56

SOLID



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS	AXIX LETTER (LENGTH)		
•APG06060	M6 x 60 Ø6	56,417	10	B	200	1.200
•APG06070	M6 x 70 Ø6	58,150	20	C	200	1.200
•APG06100	M6 x 100 Ø6	63,780	50	E	200	800
•APG08050	M8 x 50 Ø8	74,527	2	A	100	800
•APG08060	M8 x 60 Ø8	73,533	12	B	100	800
APG08075	M8 x 75 Ø8	87,587	9	C	100	600
APG08095	M8 x 95 Ø8	94,680	29	E	100	600
APG08115	M8 x 115 Ø8	109,477	49	G	100	400
•APG10070	M10 x 70 Ø10	114,503	5	C	100	400
APG10090	M10 x 90 Ø10	131,907	10	E	100	400
APG10105	M10 x 105 Ø10	142,543	25	F	50	300
APG10115	M10 x 115 Ø10	149,840	35	G	50	200
APG10135	M10 x 135 Ø10	164,780	55	H	50	200
APG10165	M10 x 165 Ø10	202,493	85	K	50	200
APG10185	M10 x 185 Ø10	218,950	105	L	50	150
•APG12080	M12 x 80 Ø12	198,907	4	D	50	300
APG12110	M12 x 110 Ø12	229,033	14	F	50	200
APG12130	M12 x 130 Ø12	271,617	34	H	50	200
APG12150	M12 x 150 Ø12	290,443	54	I	50	100
APG12180	M12 x 180 Ø12	323,540	84	L	50	150
APG12200	M12 x 200 Ø12	315,480	104	M	50	150
APG16125	M16 x 125 Ø16	443,490	8	G	25	100
APG16145	M16 x 145 Ø16	469,030	28	I	25	100
APG16175	M16 x 175 Ø16	515,760	58	K	25	50
APG16220	M16 x 220 Ø16	641,323	103	O	25	50
APG20170	M20 x 170 Ø20	797,640	32	K	20	40
APG20200	M20 x 200 Ø20	805,297	62	M	20	40

• Non-assessed sizes

MTP-A4

Stainless steel A4. Option 1 ETA Assessed. A4 Stainless clip

02
P. 307
Technical
info15
Técnicas Expansivas S.L.
Segador, 13. Logroño.
Spain
ETA-130145
1404
Structural fixings in
concrete

DO-MT

Setting tool

PAG.
56

STAINLESS STEEL



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS	AXIX LETTER (LENGTH)		
APA408068	M8 x 68 Ø8	325,530	4	A	100	600
APA408075	M8 x 75 Ø8	311,227	10	B	100	600
APA408090	M8 x 90 Ø8	348,150	25	C	100	600
APA408115	M8 x 115 Ø8	461,490	50	D	100	400
APA408135	M8 x 135 Ø8	533,920	70	E	50	300
APA408165	M8 x 165 Ø8	644,253	100	G	50	200
APA410090	M10 x 90 Ø10	548,600	10	A	100	400
APA410105	M10 x 105 Ø10	586,650	25	B	50	300
APA410115	M10 x 115 Ø10	646,257	35	C	50	300
APA410135	M10 x 135 Ø10	775,253	55	D	50	300
APA410155	M10 x 155 Ø10	854,030	75	E	50	300
APA410185	M10 x 185 Ø10	990,033	105	F	50	100
APA412110	M12 x 110 Ø12	796,527	10	A	50	300
APA412120	M12 x 120 Ø12	854,533	20	B	50	300
APA412145	M12 x 145 Ø12	1.042,887	45	C	50	200
APA412170	M12 x 170 Ø12	1.145,573	70	D	50	100
APA412200	M12 x 200 Ø12	1.263,380	100	E	50	100
APA416130	M16 x 130 Ø16	1.648,017	10	A	50	100
APA416150	M16 x 150 Ø16	1.867,350	30	B	25	100
APA416185	M16 x 185 Ø16	2.470,007	60	C	25	50
APA416220	M16 x 220 Ø16	2.658,690	100	D	20	40



Through bolt anchor for heavy loads in concrete and non-cracked concrete

MT

SOLID



MTH

Option 7 ETA Assessed. Zinc-plated shaft.
Zinc-plated clip

CODE	SIZE	€/100	MAX. FIXTURE THICKNESS	AXIS LETTER (LENGTH)		
AH06060	M6 x 60 Ø6	41,547	2	B	200	1.200
AH06070	M6 x 70 Ø6	43,133	12	C	200	1.200
AH06080	M6 x 80 Ø6	44,707	22	D	200	1.200
AH06090	M6 x 90 Ø6	46,077	32	E	200	1.200
AH06100	M6 x 100 Ø6	47,997	42	E	200	800
AH06110	M6 x 110 Ø6	62,580	52	F	200	800
AH06120	M6 x 120 Ø6	65,700	62	G	100	600
AH06130	M6 x 130 Ø6	76,000	72	H	100	600
AH06140	M6 x 140 Ø6	76,544	82	I	100	400
AH06150	M6 x 150 Ø6	77,000	92	I	100	400
AH06160	M6 x 160 Ø6	82,154	102	J	100	400
AH06170	M6 x 170 Ø6	95,948	112	K	100	400
AH06180	M6 x 180 Ø6	105,410	122	L	100	300
AH08060	M8 x 60 Ø8	51,424	3	B	100	600
AH08075	M8 x 75 Ø8	54,377	5	C	100	600
AH08090	M8 x 90 Ø8	58,947	20	E	100	600
AH08100	M8 x 100 Ø8	62,896	30	E	100	400
AH08115	M8 x 115 Ø8	73,793	45	G	100	400
AH08120	M8 x 120 Ø8	80,757	50	G	100	400
AH08130	M8 x 130 Ø8	85,030	60	H	100	400
AH08155	M8 x 155 Ø8	117,256	85	J	100	200
AH10070	M10 x 70 Ø10	67,337	3	C	100	400
AH10080	M10 x 80 Ø10	77,000	13	D	100	400
AH10090	M10 x 90 Ø10	77,990	10	E	100	400
AH10100	M10 x 100 Ø10	92,573	20	E	100	400
AH10120	M10 x 120 Ø10	97,127	40	G	50	300
AH10140	M10 x 140 Ø10	121,417	60	I	50	200
AH10150	M10 x 150 Ø10	126,310	70	I	50	200
AH10160	M10 x 160 Ø10	143,837	80	J	50	200
AH10170	M10 x 170 Ø10	160,400	90	K	50	200
AH10210	M10 x 210 Ø10	194,047	130	N	50	150
AH10230	M10 x 230 Ø10	205,827	150	P	50	100
AH12090	M12 x 90 Ø12	110,407	13	E	50	200
AH12100	M12 x 100 Ø12	119,333	8	E	50	200
AH12110	M12 x 110 Ø12	119,933	18	F	50	200
AH12120	M12 x 120 Ø12	153,183	28	G	50	200
AH12130	M12 x 130 Ø12	159,700	38	H	50	200
AH12140	M12 x 140 Ø12	160,070	48	I	50	200
AH12160	M12 x 160 Ø12	188,110	68	J	50	100
AH12180	M12 x 180 Ø12	218,733	88	L	50	150
AH12200	M12 x 200 Ø12	255,433	108	M	50	100
AH12220	M12 x 220 Ø12	277,217	128	O	50	100
AH12250	M12 x 250 Ø12	338,887	158	Q	25	50
AH14120	M14 x 120 Ø14	264,367	12	G	25	100
AH14145	M14 x 145 Ø14	310,437	37	I	25	100
AH14170	M14 x 170 Ø14	331,657	62	K	25	100
AH14220	M14 x 220 Ø14	459,867	112	O	25	75
AH14250	M14 x 250 Ø14	513,670	142	Q	25	50
AH16125	M16 x 125 Ø16	271,237	3	G	25	100
AH16145	M16 x 145 Ø16	292,277	23	I	25	100
AH16170	M16 x 170 Ø16	361,443	48	K	25	50
AH16220	M16 x 220 Ø16	430,707	98	O	25	50
AH16250	M16 x 250 Ø16	558,527	128	Q	25	50
AH16280	M16 x 280 Ø16	608,003	158	S	25	50
AH20170	M20 x 170 Ø20	533,787	23	K	20	40
AH20220	M20 x 220 Ø20	664,640	73	O	20	40
AH20270	M20 x 270 Ø20	908,330	123	S	20	40

Technical
info
P. 308

05
Técnicas Expansivas S.L.
Segador 13. Logroño.
Spain
ETA 05/0242
1219
Structural fixings in non
cracked concrete

FIRE
RESISTANCE

Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSAH06060	M6 x 60 Ø6	12,577	30	6
LSAH08060	M8 x 60 Ø8	10,423	20	6
LSAH08075	M8 x 75 Ø8	9,320	16	6
LSAH08090	M8 x 90 Ø8	8,663	14	6
LSAH10070	M10 x 70 Ø10	7,563	10	5
LSAH10090	M10 x 90 Ø10	6,800	8	6
LSAH10120	M10 x 120 Ø10	6,737	6	6
LSAH12090	M12 x 90 Ø12	8,270	6	5
LSAH12110	M12 x 110 Ø12	8,633	6	5
LSAH16125	M16 x 125 Ø16	6,180	2	6

MTA



MTH

OPTION 7 ASSESSED



MTP

OPTION 1 ASSESSED





MT

Through bolt anchor for heavy loads in concrete and non-cracked concrete

MTH-A4

Stainless steel A4. Option 7 ETA Assessed. A4
Stainless clip02
P. 309
Technical
info05
Técnicas Expansivas S.L.
Segador 13, Logroño,
Spain
ETA 05/0242
1219
Structural fixings in non
cracked concreteFIRE
RESISTANCE

Also available with DIN 9021 washer



DO-MT

Setting tool

PAG.
56

Ask for price and delivery time

STAINLESS STEEL



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS	AXIS LETTER (LENGTH)		
•MIA406045	M6 x 45 Ø6	161,487	1	A	200	1.200
MIA406060	M6 x 60 Ø6	175,929	2	B	200	1.200
MIA406080	M6 x 80 Ø6	187,374	22	D	200	1.200
•MIA408050	M8 x 50 Ø8	194,664	4	A	100	800
MIA408075	M8 x 75 Ø8	206,721	5	C	100	600
MIA408090	M8 x 90 Ø8	230,678	20	E	100	600
MIA408115	M8 x 115 Ø8	303,036	45	G	100	400
MIA410070	M10 x 70 Ø10	338,559	3	C	100	400
MIA410090	M10 x 90 Ø10	383,741	10	D	100	400
MIA410120	M10 x 120 Ø10	466,471	40	G	50	300
MIA410150	M10 x 150 Ø10	661,547	70	I	50	200
•MIA412075	M12 x 75 Ø12	506,294	5	C	50	300
MIA412090	M12 x 90 Ø12	509,871	13	D	50	200
MIA412110	M12 x 110 Ø12	557,742	12	F	50	200
MIA412140	M12 x 140 Ø12	668,820	42	I	50	200
•MIA416090	M16 x 90 Ø16	1.209,702	4	D	25	150
MIA416145	M16 x 145 Ø16	1.493,947	23	I	25	100
MIA416170	M16 x 170 Ø16	1.725,167	48	K	25	75
•MIA420120	M20 x 120 Ø20	1.914,243	5	G	20	40
MIA420170	M20 x 170 Ø20	2.616,695	23	K	20	40
MIA420220	M20 x 220 Ø20	3.317,860	73	O	20	40

• Non-assessed sizes



Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VMIA408075	M8 x 75 Ø8	31,179	10	8
VMIA410090	M10 x 90 Ø10	42,674	8	8
VMIA412110	M12 x 110 Ø12	48,824	6	8

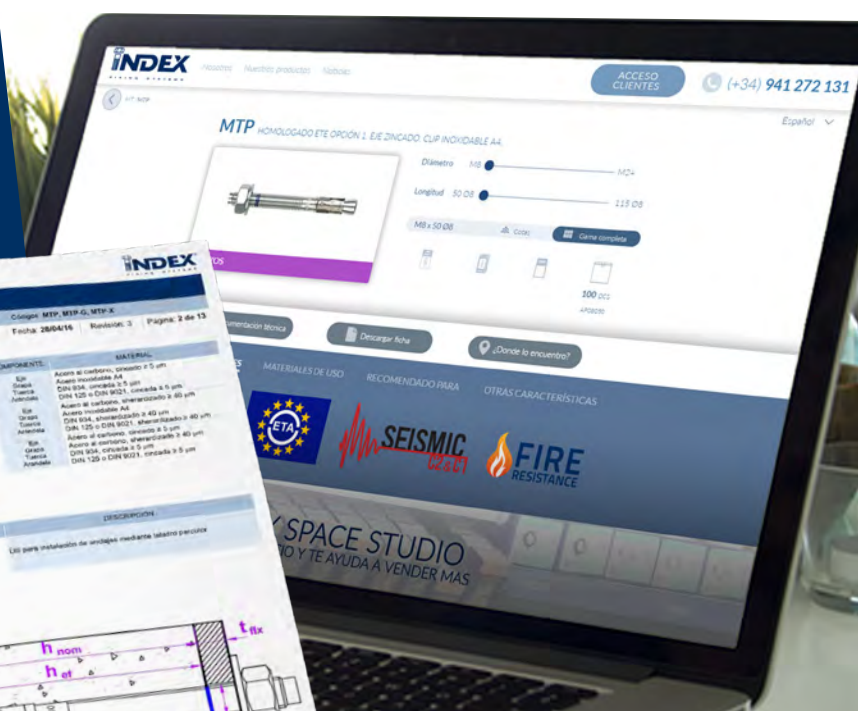


Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
LSMIA408075	M8 x 75 Ø8	34,407	12	7
LSMIA410090	M10 x 90 Ø10	44,920	8	7
LSMIA412110	M12 x 110 Ø12	48,900	6	5

TECHNICAL DATA SHEETS
AVAILABLE ON WEBSITE

- 1- SELECT PRODUCT
- 2- GO TO TECHNICAL DOCUMENTATION
- 3- SELECT "TECHNICAL DATA SHEET" PDF



www.indexfix.com



Through bolt anchor for heavy loads in concrete and non-cracked concrete

MT

STAINLESS STEEL



MTH-A2 New

Stainless steel A2. Option 7 ETA Assessed. A2
Stainless clip



02_009
Technical
info



05
Técnicas Expansivas S.L.
Segador, 13, Logroño,
Spain.
ETA-05/0242
1219
Structural fixings in non
cracked concrete



• Non-assessed sizes



Blister



Window Box



Self-Service

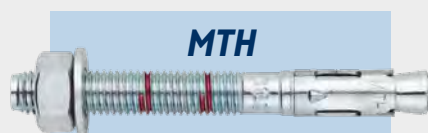
CODE	SIZE	€/BAG	PCS. BAGS
BZMI08075	M8 x 75 Ø8	4,229	2 12
BZMI10090	M10 x 90 Ø10	4,229	2 10

CODE	SIZE	€/BOX	PCS. BOXES
VMI08075	M8 x 75 Ø8	29,730	10 8
VMI08090	M8 x 90 Ø8	31,787	10 8
VMI10070	M10 x 70 Ø10	32,848	8 8
VMI10090	M10 x 90 Ø10	36,768	8 8
VMI10120	M10 x 120 Ø10	32,322	6 8
VMI12110	M12 x 110 Ø12	38,092	6 8

CODE	SIZE	€/BAG	PCS. BAGS
LSMI08075	M8 x 75 Ø8	30,169	12 7
LSMI08090	M8 x 90 Ø8	34,330	12 7
LSMI10070	M10 x 70 Ø10	36,952	10 6
LSMI10090	M10 x 90 Ø10	36,768	8 6
LSMI10120	M10 x 120 Ø10	38,785	8 6
LSMI12110	M12 x 110 Ø12	38,092	6 6

MTH RANGE _ALL GOOD THINGS COME IN THREES.

A desire to fully respond to the needs of clients has pushed us to improve and expand our range of MTH approved structural anchors.



MTH

ZINC PLATED

IMPROVED FEATURES

40% STRONGER



MTH-A2

STAINLESS STEEL A2

**NEW IN THE
MARKET**



MTH-A4

STAINLESS STEEL A4

HIGH PERFORMING

With the launch of the new stainless MTH-A2 anchor with ETA approval in option 7, we become the first in the market to manufacture and distribute such an extensive range for this anchor. Moreover, the improvements included in the new design have enabled it to have 40% better load performance in all three versions [zinc-plated, A2 stainless and A4 stainless].





MT

Through bolt anchor for heavy loads in concrete and non-cracked concrete

MTA

Zinc-plated shaft. Zinc-plated clip

02
Technical
info
p. 310

SOLID



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS		
AM06045	M6 x 45 Ø6	29,390	1	200	1.200
AM06055	M6 x 55 Ø6	31,901	11	200	1.200
AM06060	M6 x 60 Ø6	32,184	2	200	1.200
AM06065	M6 x 65 Ø6	32,576	7	200	1.200
AM06070	M6 x 70 Ø6	32,820	12	200	1.200
AM06080	M6 x 80 Ø6	34,993	22	200	1.200
AM06085	M6 x 85 Ø6	35,832	27	200	1.200
AM06090	M6 x 90 Ø6	36,253	32	200	1.200
AM06100	M6 x 100 Ø6	37,776	42	200	800
AM06110	M6 x 110 Ø6	41,213	52	200	800
AM06120	M6 x 120 Ø6	43,484	62	100	600
AM06130	M6 x 130 Ø6	43,636	72	100	600
AM06140	M6 x 140 Ø6	54,213	82	100	600
AM06150	M6 x 150 Ø6	61,977	92	100	600
AM06160	M6 x 160 Ø6	66,191	102	100	400
AM06170	M6 x 170 Ø6	83,109	112	100	400
AM06180	M6 x 180 Ø6	88,036	122	100	300
AM08050	M8 x 50 Ø8	37,062	4	100	800
AM08060	M8 x 60 Ø8	37,840	3	100	800
AM08065	M8 x 65 Ø8	39,830	8	100	600
AM08075	M8 x 75 Ø8	40,596	5	100	600
AM08090	M8 x 90 Ø8	44,163	20	100	600
AM08115	M8 x 115 Ø8	53,510	45	100	400
AM08120	M8 x 120 Ø8	54,537	50	100	400
AM08130	M8 x 130 Ø8	62,747	60	100	400
AM08155	M8 x 155 Ø8	98,747	85	100	200
AM10065	M10 x 65 Ø10	57,269	1	100	400
AM10070	M10 x 70 Ø10	53,883	3	100	400
AM10080	M10 x 80 Ø10	57,511	13	100	400
AM10090	M10 x 90 Ø10	60,024	10	100	400
AM10100	M10 x 100 Ø10	66,300	20	100	400
AM10120	M10 x 120 Ø10	71,995	40	50	300
AM10140	M10 x 140 Ø10	81,716	60	50	200
AM10150	M10 x 150 Ø10	91,926	70	50	200
AM10160	M10 x 160 Ø10	114,781	80	50	200
AM10170	M10 x 170 Ø10	120,054	90	50	200
AM10210	M10 x 210 Ø10	166,348	130	50	150
AM10230	M10 x 230 Ø10	188,550	150	50	100
AM12075	M12 x 75 Ø12	79,948	5	50	300
AM12080	M12 x 80 Ø12	85,524	3	50	300
AM12090	M12 x 90 Ø12	88,376	13	50	200
AM12100	M12 x 100 Ø12	91,263	8	50	200
AM12110	M12 x 110 Ø12	92,269	18	50	200

Also available with DIN 9021 washer
Ask for price and delivery timeDO-MT
Setting tool
PAG. 56

More range next page



A TEAM AT YOUR SERVICE



Through bolt anchor for heavy loads in concrete and non-cracked concrete

MT

MTA

Zinc-plated shaft. Zinc-plated clip



02
P. 310

Technical
info



More range previous page

CODE	SIZE	€/100	MAX. FIXTURE THICKNESS		
AM12120	M12 x 120 Ø12	110,031	28	50	200
AM12140	M12 x 140 Ø12	122,896	48	50	200
AM12160	M12 x 160 Ø12	140,663	68	50	100
AM12180	M12 x 180 Ø12	163,373	88	50	150
AM12220	M12 x 220 Ø12	218,239	128	50	100
AM12250	M12 x 250 Ø12	270,531	158	25	50
AM14080	M14 x 80 Ø14	163,611	5	50	200
AM14100	M14 x 100 Ø14	187,805	5	50	100
AM14120	M14 x 120 Ø14	210,623	12	25	100
AM14145	M14 x 145 Ø14	256,721	37	25	100
AM14170	M14 x 170 Ø14	279,264	62	25	100
AM14220	M14 x 220 Ø14	372,349	112	25	75
AM14250	M14 x 250 Ø14	408,524	142	25	50
AM16090	M16 x 90 Ø16	199,569	4	25	150
AM16110	M16 x 110 Ø16	201,748	24	25	150
AM16125	M16 x 125 Ø16	202,821	3	25	100
AM16145	M16 x 145 Ø16	217,471	23	25	100
AM16170	M16 x 170 Ø16	276,591	48	25	50
AM16220	M16 x 220 Ø16	329,577	98	25	50
AM16250	M16 x 250 Ø16	447,977	128	25	50
AM16280	M16 x 280 Ø16	487,636	158	25	50
AM20120	M20 x 120 Ø20	333,959	5	20	40
AM20170	M20 x 170 Ø20	400,461	23	20	40
AM20220	M20 x 220 Ø20	508,776	73	20	40
AM20270	M20 x 270 Ø20	693,840	123	20	40
AM24180	M24 x 180 Ø24	1.157,170	-	10	20
AM24260	M24 x 260 Ø24	1.465,648	-	10	20



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZAM06060	M6 x 60 Ø6	3,136	2	20
BZAM06080	M6 x 80 Ø6	3,136	2	20
BZAM08050	M8 x 50 Ø8	3,136	2	15
BZAM08075	M8 x 75 Ø8	3,136	2	15
BZAM08090	M8 x 90 Ø8	3,136	2	15
BZAM10070	M10 x 70 Ø10	3,136	2	12
BZAM10090	M10 x 90 Ø10	3,136	2	12
BZAM10120	M10 x 120 Ø10	3,136	2	12
BZAM12090	M12 x 90 Ø12	3,136	2	10
BZAM12110	M12 x 110 Ø12	3,136	2	10
BZAM12140	M12 x 140 Ø12	3,136	2	10



Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VAM06060	M6 x 60 Ø6	7,709	20	8
VAM08075	M8 x 75 Ø8	6,449	12	8
VAM08090	M8 x 90 Ø8	6,855	12	8
VAM10070	M10 x 70 Ø10	4,326	6	8
VAM10090	M10 x 90 Ø10	4,794	6	8
VAM10120	M10 x 120 Ø10	5,698	6	8
VAM12090	M12 x 90 Ø12	6,993	6	8
VAM12110	M12 x 110 Ø12	7,305	6	8

TECHNICAL COMMITMENT



+34 941.272.137 / sat@indexfix.com



MT

Through bolt anchor for heavy loads in concrete and non-cracked concrete

DO-MT

Setting tool for MT family



SOLID



CODE	SIZE	€/PC		
DOMTA10	M6 - M8 - M10	11,340	5	225
DOMTA20	M12 - M14 - M16 - M20	18,900	5	225

TWA

Tie wire anchor



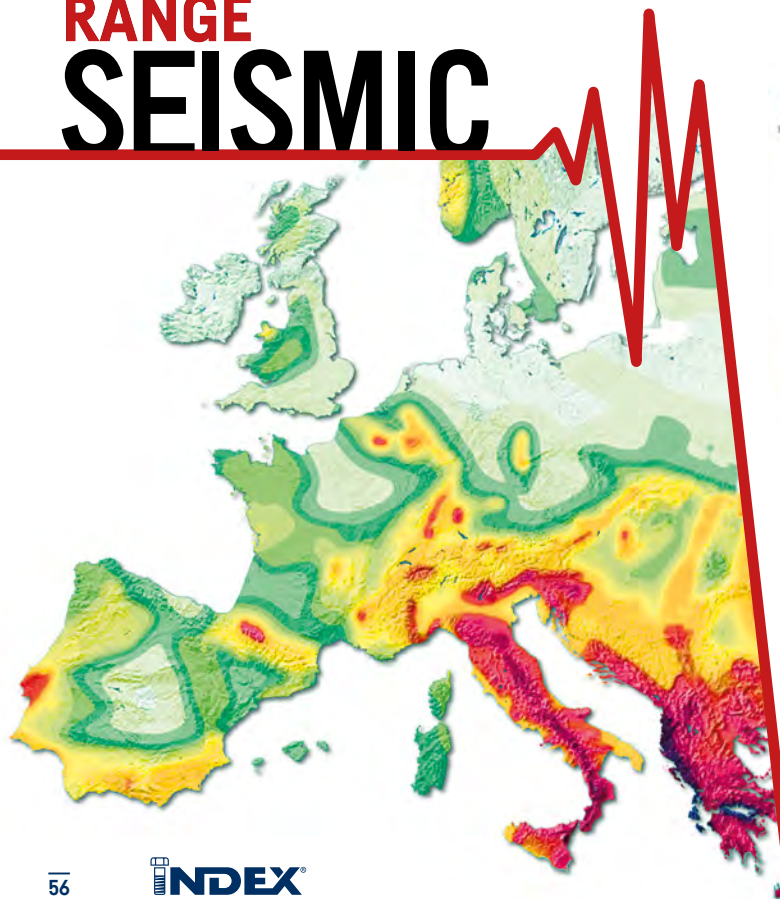
SOLID



CODE	SIZE	€/100		
TWA06060	6 x 60 Ø6	34,010	200	2.400

NEW EUROPEAN REGULATION FOR USE OF ANCHORS IN SEISMIC AREAS

ANCHORS RANGE SEISMIC



MTP



MTP-X



MTP-A4



SL-PT



MOPURE



MO-H

Anchors with seismic assessment are designed for maximum performance in installations on cracked, non-cracked and seismic materials, in line with ETA regulations.

This complete range includes chemical, mechanical and metal anchors in various sizes for installation in different base materials.



Concrete screw

HP

SOLID



SIZE	€ /100	DRILL Ø		
HPZ75072	24,850	TX30	6	100
HPZ75092	30,610	TX30	6	100
HPZ75112	39,250	TX30	6	100
HPZ75132	45,010	TX30	6	100
HPZ75152	57,527	TX30	6	100
HPZ75182	79,350	TX30	6	100
HPZ75212	116,537	TX30	6	100



Self-Service

CODE	SIZE	€/BAG	PCS	BAGS
LSHP75072	7,5 x 72 Ø6	4,580	14	7
LSHP75092	7,5 x 92 Ø6	5,363	14	7
LSHP75112	7,5 x 112 Ø6	5,657	12	7
LSHP75132	7,5 x 132	6,487	12	7

SOLID



CODE	SIZE	€ /100	INSTALLATION KEY		
TPBLANC		3,987	T30	2.000	24.000
TPMARRO		3,987	T30	2.000	24.000

SOLID



CODE	SIZE	€ /100	DRILL Ø		
HR75072	7,5 x 72 Ø6	26,233	TX25	6	100
HR75092	7,5 x 92 Ø6	31,107	TX25	6	100
HR75112	7,5 x 112 Ø6	40,870	TX25	6	100
HR75132	7,5 x 132 Ø6	47,943	TX25	6	100

HP

Shallow countersunk head, Tx-30 recess, yellow zinc-plated y cincado



HP TP

HP caps. White



HR

Cylindrical head Tx-25 recess



Concrete screw, hexagonal washer head, Hi-Lo thread, diamond point

HEA

SOLID



CODE	SIZE	€ /100	DRILL Ø	INSTALLATION KEY		
HE65032	6,5 x 32 Ø5	12,187	5	8 + ranura	1.000	3.000
HE65045	6,5 x 45 Ø5	14,980	5	8 + ranura	500	2.000
HE65057	6,5 x 57 Ø5	19,317	5	8 + ranura	500	2.000
HE65070	6,5 x 70 Ø5	24,680	5	8 + ranura	500	1.500
HE65080	6,5 x 80 Ø5	29,403	5	8 + ranura	250	1.000
HE65100	6,5 x 100 Ø5	35,940	5	8 + ranura	250	1.000
HE65125	6,5 x 125 Ø5	46,667	5	8 + ranura	250	1.000

SOLID



CODE	SIZE	€ /100	DRILL Ø	INSTALLATION KEY		
HE1665032	6,5 x 32 P16 Ø5	19,090	5	8 + ranura	1.000	2.000
HE1665045	6,5 x 45 P16 Ø5	22,480	5	8 + ranura	500	1.500
HE1665057	6,5 x 57 P16 Ø5	27,420	5	8 + ranura	500	1.500
HE1665070	6,5 x 70 P16 Ø5	31,033	5	8 + ranura	500	1.000
HE1665080	6,5 x 80 P16 Ø5	37,343	5	8 + ranura	250	750
HE1665100	6,5 x 100 P16 Ø5	43,697	5	8 + ranura	250	750
HE1665125	6,5 x 125 P16 Ø5	55,450	5	8 + ranura	250	500

HEA

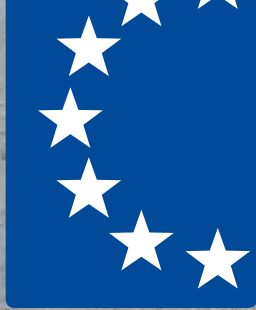
Screw



HEA + ARVUL

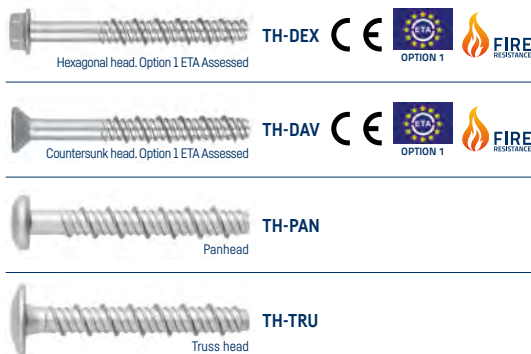
Screw with ARVUL





TH

RANGE



CHARACTERISTIC

- ETA and R30-R120 Fire resistance assessments.
- Suitable when reduced distances between anchors or from edges are required.
- No waiting. Anchor may hold weight as soon as it is installed.
- 100% removable.
- Prior drill-hole required. Works by interference between thread and concrete.
- Use for heavy duty loads.
- Direct installation; no need for a torque wrench.
- Installation through element to be fixed.
- Use in cracked, non-cracked and reinforced concrete.
- Use for static or quasi static loads.
- Silver Ruspert coating.

BASE MATERIALS



ASSESSMENTS



APPLICATIONS

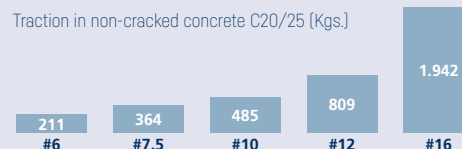
- Structural fixings in cracked concrete and non-cracked concrete in interior conditions.
- Glazing, windows and shop windows.
- Shelving and racks.
- Indoor handrails and banisters.
- Steel structures, ducts, machinery, boilers, signs, stadium seating, façade substructures, etc.
- From wood structures to concrete structures.



AVAILABLE
IN
INDEXcal

RECOMMENDED LOADS

Traction in non-cracked concrete C20/25 (Kgs.)



TH

Concrete screw anchor with Silver Ruspert coating

TH-PAN

Panhead



02 Technical
info
p. 311

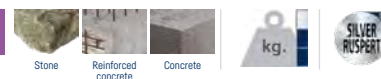
TH-TRU

Truss head



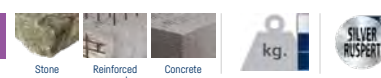
02 Technical
info
p. 311

SOLID



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS		
THPAN07050	7,5 X 50 Ø6	54,182	TX40	17	100 1.200

SOLID



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS		
THTRU07050	7,5 X 50 Ø6	71,153	TX30	17	100 1.200



Concrete screw anchor with Silver Ruspert coating

TH

SOLID



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
•THDEX06030	6 x 30 Ø5	32,150	8	2	100	1.200
•THDEX06040	6 x 40 Ø5	34,583	8	12	100	1.200
•THDEX06050	6 x 50 Ø5	40,110	8	5	100	1.200
•THDEX06060	6 x 60 Ø5	42,840	8	15	100	1.200
•THDEX07035	7,5 x 35 Ø6	43,890	10	2	100	1.200
•THDEX07045	7,5 x 45 Ø6	47,420	10	12	100	1.200
THDEX07060	7,5 x 60 Ø6	52,807	10	5	100	1.200
THDEX07080	7,5 x 80 Ø6	65,803	10	25	100	600
THDEX07100	7,5 x 100 Ø6	82,703	10	45	100	600
•THDEX10055	10 x 55 Ø8	88,347	13	5	50	600
THDEX10065	10 x 65 Ø8	90,103	13	5	50	600
THDEX10075	10 x 75 Ø8	99,397	13	15	50	300
THDEX10090	10 x 90 Ø8	120,163	13	30	50	300
THDEX10110	10 x 110 Ø8	132,560	13	50	50	300
THDEX10130	10 x 130 Ø8	182,107	13	70	50	300
•THDEX12065	12 x 65 Ø10	166,900	15	5	50	300
THDEX12075	12 x 75 Ø10	181,143	15	5	50	300
THDEX12085	12 x 85 Ø10	194,890	15	15	50	300
THDEX12100	12 x 100 Ø10	208,157	15	30	50	300
THDEX12120	12 x 120 Ø10	239,233	15	50	50	200
THDEX12140	12 x 140 Ø10	265,393	15	70	50	200
•THDEX16080	16 x 80 Ø14	385,210	18	5	25	150
THDEX16115	16 x 115 Ø14	533,070	18	5	25	150
THDEX16135	16 x 135 Ø14	604,757	18	25	25	100
THDEX16160	16 x 160 Ø14	708,553	18	50	25	75

• Non-assessed sizes



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
LSTHDX07060	7,5 x 60 Ø6	13,367	16	7
LSTHDX07080	7,5 x 80 Ø6	15,500	16	7
LSTHDX10065	10 x 65 Ø8	16,433	10	7
LSTHDX10075	10 x 75 Ø8	16,773	10	7
LSTHDX10090	10 x 90 Ø8	17,037	10	7
LSTHDX10110	10 x 110 Ø8	16,787	8	7
•LSTHDX12065	12 x 65 Ø10	21,670	8	6
LSTHDX12075	12 x 75 Ø10	23,313	8	6
LSTHDX12100	12 x 100 Ø10	19,633	6	6



SOLID



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
THDAV07072	7,5 x 72 Ø6	65,030	TX30	17	100	1.200
THDAV07092	7,5 x 92 Ø6	78,330	TX30	37	100	600
THDAV07112	7,5 x 112 Ø6	87,990	TX30	57	100	600
THDAV07132	7,5 x 132 Ø6	112,807	TX30	77	100	600
THDAV07152	7,5 x 152 Ø6	128,783	TX30	97	100	400



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
LSTHAV07072	7,5 x 72 Ø6	17,787	20	7
LSTHAV07092	7,5 x 92 Ø6	17,860	16	7
LSTHAV07112	7,5 x 112 Ø6	20,880	16	7
LSTHAV07132	7,5 x 132 Ø6	20,083	12	7

TH-DAV

Countersunk head. Option 1 ETA Assessed



Technical info



15
Técnicas Expansivas S.L.
Segador 13. Logroño, Spain
ETA-150017
1219
Structural fixings in
concrete

FIRE
RESISTANCE

PATENT

SL

NEW HIGH RESISTANCE ANCHOR



RANGE

	SL-PT Option 1 ETA Assessed Anchor. Hexagonal head.	 OPTION 1		
	SL-PC Option 1 ETA Assessed Anchor. Countersunk head.	 OPTION 1		
	SL-VT Option 8 ETA Assessed Anchor. Hexagonal head.		 OPTION 7	
	SL-VE Projecting bolt			

APPLICATIONS

- Structural fixings in indoor concrete.
- Fixing of pillars and beams.
- Fixing of profiles, railings, machinery, shelving, scaffolding and brackets.
- Applications where fire and seismic actions must be considered.

CHARACTERISTIC

- Works by friction; installation by controlled torque.
- Use for heavy duty traction and shearing loads.
- Easy installation.
- Use in cracked and non-cracked concrete.
- Use for static or quasi static loads.
- Screw and bolt versions.
- Installation through element to be fixed.
- European assessment.
- May be removed leaving clear surface (expander and thread remain inside drill-hole).

ASSESSMENTS

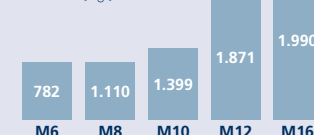


BASE MATERIALS



RECOMMENDED LOADS

Traction in non-cracked concrete [Kg.]



SL

Heavy duty anchor for high performance in concrete

SL-VT

Option 7 ETA Assessed



02 Technical info p. 313



04 Técnicas Expansivas S.L. Segador 13, Logroño, Spain ETA 04/0100 1219 Structural fixings in non cracked concrete



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS		
• SLVT08100	M8 x 100 Ø12	300,485	20	15	180
• SLVT08120	M8 x 120 Ø12	331,423	40	15	180
• SLVT10110	M10 x 110 Ø15	458,437	20	10	120
• SLVT10130	M10 x 130 Ø15	522,568	40	10	120
• SLVT12130	M12 x 130 Ø18	635,327	25	10	60
• SLVT12160	M12 x 160 Ø18	684,201	55	10	60
• SLVT16150	M16 x 150 Ø24	1.294,435	25	10	40
• SLVT16180	M16 x 180 Ø24	1.481,840	55	10	30
• SLVT20160	M20 x 160 Ø28	2.305,576	2	10	30
• SLVT20190	M20 x 190 Ø28	2.399,217	30	8	16
• SLVT20220	M20 x 220 Ø28	3.313,210	60	6	12
• SLVT24210	M24 x 210 Ø32	4.155,253	30	6	12
• SLVT24240	M24 x 240 Ø32	4.702,681	60	6	12

• Availability: end of stock

SL-VE

Projecting bolt



02 Technical info p. 313



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS		
• SLVE08100	M8 x 100 Ø12	320,279	20	15	180
• SLVE08120	M8 x 120 Ø12	342,727	40	15	180
• SLVE10110	M10 x 110 Ø15	491,600	20	10	120
• SLVE10130	M10 x 130 Ø15	560,389	40	10	60
• SLVE12130	M12 x 130 Ø18	681,272	25	10	60
• SLVE12160	M12 x 160 Ø18	733,677	55	10	60
• SLVE16150	M16 x 150 Ø24	1.413,321	25	10	40
• SLVE16180	M16 x 180 Ø24	1.604,737	55	10	30
• SLVE20160	M20 x 160 Ø28	2.340,239	2	10	30
• SLVE20190	M20 x 190 Ø28	2.376,893	30	8	16
• SLVE20220	M20 x 220 Ø28	3.395,642	60	6	12
• SLVE24210	M24 x 210 Ø32	4.326,970	30	6	12
• SLVE24240	M24 x 240 Ø 32	4.766,556	60	6	12

• Availability: end of stock



Heavy duty anchor for high performance in concrete

SL

SOLID



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS		
SLPT10070	M6 x 70 Ø10	253,905	10	50	600
SLPT10080	M6 x 80 Ø10	267,181	20	50	600
SLPT10100	M6 x 100 Ø10	298,793	40	50	300
SLPT10110	M6 x 110 Ø10	321,820	50	25	150
SLPT12080	M8 x 80 Ø12	304,426	5	50	300
SLPT12090	M8 x 90 Ø12	320,441	15	50	200
SLPT12100	M8 x 100 Ø12	339,445	25	50	200
SLPT12120	M8 x 120 Ø12	375,356	45	25	200
SLPT16100	M10 x 100 Ø16	536,788	15	25	150
SLPT16120	M10 x 120 Ø16	606,422	35	25	100
SLPT16140	M10 x 140 Ø16	684,800	55	20	60
SLPT16160	M10 x 160 Ø16	760,330	75	20	60
SLPT18110	M12 x 110 Ø18	751,233	10	20	80
SLPT18120	M12 x 120 Ø18	793,754	20	20	80
SLPT18140	M12 x 140 Ø18	877,069	40	20	80
SLPT18150	M12 x 150 Ø18	916,365	50	20	80
SLPT18170	M12 x 170 Ø18	1.034,438	70	15	45
SLPT18200	M12 x 200 Ø18	1.165,205	100	15	30
SLPT24140	M16 x 140 Ø24	1.346,802	20	10	40
SLPT24170	M16 x 170 Ø24	1.583,641	50	10	30
SLPT24200	M16 x 200 Ø24	1.827,270	80	10	20
SLPT24220	M16 x 220 Ø24	1.974,089	100	10	20
SLPT28170	M20 x 170 Ø28	2.031,580	20	10	20
SLPT28200	M20 x 200 Ø28	2.352,241	50	10	20
SLPT28240	M20 x 240 Ø28	2.803,817	90	5	10

SOLID



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS		
SLPC10070	M6 x 70 Ø10	357,068	10	50	600
SLPC10080	M6 x 80 Ø10	375,738	20	50	600
SLPC10100	M6 x 100 Ø10	411,447	40	50	300
SLPC12100	M8 x 100 Ø12	489,290	25	50	200
SLPC16100	M10 x 100 Ø16	689,488	15	25	150
SLPC16120	M10 x 120 Ø16	755,845	35	25	100
SLPC18120	M12 x 120 Ø18	979,880	20	20	80

SL-PT **NEW**

Hexagon head. Option 1 ETA Assessed

Technical info
P. 312

18
Técnicas Expansivas S.L.
Segador 13. Logroño, Spain
ETA 18/108
1219
Structural fixings in
concrete

FIRE
RESISTANCESEISMIC
C2 & C1SL-PC **NEW**

Countersunk head. Option 1 ETA Assessed

Technical info
P. 312

18
Técnicas Expansivas S.L.
Segador 13. Logroño, Spain
ETA 18/108
1219
Structural fixings in
concrete

FIRE
RESISTANCESEISMIC
C2 & C1



HC

Hollow-core slab anchor

02
P. 313
Technical
info16
Técnicas Expansivas S.L.
Segador 13, Logroño, Spain
ETA-15/0912
1219
Non structural fixing in
hollow core concrete

HOLLOWS



CODE	SIZE	€/100	DRILL Ø		
HCM06	M6	73,733	10	100	600
HCM08	M8	88,770	12	50	600
HCM10	M10	125,420	16	25	300



Hollow ceiling anchor

AN-CU

Wedge-type, hammer-drive metal anchor

02
P. 315
Technical
info17
Técnicas Expansivas S.L.
Segador 13, Logroño, Spain
ETA-17/0687
1219
Non structural fixings in
concrete

SOLID



CODE	SIZE	€/100	DRILL Ø		
ANCU06040	6 x 40 Ø6	22,547	6	100	1.200
ANCU06070	6 x 70 Ø6	35,343	6	100	1.200

EPS

Metal anchor for fixing window and door frames

02
P. 316
Technical
info

MULTI-MATERIAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
EPS6072	M6 x 72 Ø10	49,669	PZ3	40	100	600
EPS6092	M6 x 92 Ø10	60,085	PZ3	60	100	600
EPS6112	M6 x 112 Ø10	66,143	PZ3	80	100	200
EPS6132	M6 x 132 Ø10	74,295	PZ3	100	100	200
EPS6152	M6 x 152 Ø10	84,228	PZ3	120	100	400
EPS6182	M6 x 182 Ø10	107,006	PZ3	150	100	300

TA-ME

Steel expansion plug

02
P. 314
Technical
info

SOLID



CODE	SIZE	€/100	MIN. ORDER QTY.		
TAME05030	M5 x 30 Ø5	11,633	200	100	4500
TAME06032	M6 x 32 Ø6	12,133	200	100	2400
TAME08038	M8 x 38 Ø8	19,203	200	100	1200
TAME08060	M8 x 60 Ø8	27,823	100	50	600
TAME10060	M10 x 60 Ø10	36,533	50	50	600



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZTAME06032	M6 x 32 Ø6	3,136	4	20
BZTAME08038	M8 x 38 Ø8	3,136	4	20
BZTAME08060	M8 x 60 Ø8	3,136	4	20
BZTAME10060	M10 x 60 Ø10	3,136	4	20



Express nail for batten fixings to concrete floors

TRA

SOLID



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS		
TRA6030	6 x 30 Ø6	11,587	3	200	4.800
TRA6050	6 x 50 Ø6	15,066	20	200	2.400
TRA6060	6 x 60 Ø6	17,117	30	200	1.200
TRA6080	6 x 80 Ø6	19,026	50	200	1.200
TRA8070	8 x 70 Ø8	25,403	30	100	1.200
TRA8090	8 x 90 Ø8	30,019	50	100	600
TRA8110	8 x 110 Ø8	34,794	70	100	600
TRA8130	8 x 130 Ø8	42,331	90	100	600
TRA8150	8 x 150 Ø8	47,457	110	100	600

• Availability: end of stock



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZTRA6030	6 x 30 Ø6	3,136	10	15
BZTRA6050	6 x 50 Ø6	3,136	10	15
BZTRA6060	6 x 60 Ø6	3,136	10	15
BZTRA6080	6 x 80 Ø6	3,136	10	15
BZTRA8070	8 x 70 Ø8	3,136	10	15
BZTRA8090	8 x 90 Ø8	4,229	10	15
BZTRA8110	8 x 110 Ø8	4,229	10	12
BZTRA8130	8 x 130 Ø8	4,229	8	12
BZTRA8150	8 x 150 Ø8	4,229	8	12



02
P. 315

Technical info

Brass expansion anchor for light fastenings in solid materials

TALA

SOLID



CODE	SIZE	€/100		
TALA532	W5/32 x 16 Ø5	9,721	300	9.600
TALAM04	M4 x 16 Ø5	9,721	300	9.600
TALAM05	M5 x 18 Ø6	15,863	200	6.400
TALAM06	M6 x 23 Ø8	21,877	200	4.800
TALAM08	M8 x 28 Ø10	39,273	100	2.400
TALAM10	M10 x 33 Ø12	61,353	150	1.800
TALAM12	M12 x 38 Ø15	132,017	150	900



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS	CODE	SIZE	€/BOX	PCS.	BOXES	CODE	SIZE	€/BAG	PCS.	BAGS
BZTALAM06	M6 x 23 Ø8	3,136	4	20	VTALAM06	M6 x 23 Ø8	7,227	25	8	LSTALAM06	M6 x 23 Ø8	13,007	50	8
BZTALAM08	M8 x 28 Ø10	3,136	4	20	VTALAM08	M8 x 28 Ø10	7,673	15	8	LSTALAM08	M8 x 28 Ø10	13,817	30	7
BZTALAM10	M10 x 33 Ø12	3,136	2	15	VTALAM10	M10 x 33 Ø12	12,093	15	8	LSTALAM10	M10 x 33 Ø12	18,137	25	5



02
P. 314

Technical info

Screw anchor for ventilated façades

AV

STAINLESS STEEL



CODE	SIZE	€/100		
AVR08120	M8 x 120 Ø8	276,550	100	600
AVR08150	M8 x 150 Ø8	306,703	100	600
AVR10120	M10 x 120 Ø10	345,820	100	400
AVR10150	M10 x 150 Ø10	392,623	100	200
AVR10180	M10 x 180 Ø10	440,317	100	200

STAINLESS STEEL



CODE	SIZE	€/100		
AVC08120	8 x 120 Ø8	297,850	100	600
AVC08150	8 x 150 Ø8	333,420	100	600
AVC10120	10 x 120 Ø10	381,297	100	400
AVC10150	10 x 150 Ø10	436,730	100	200
AVC10180	10 x 180 Ø10	493,047	100	200

AVR

Threaded rod



AVC

Corrugated



RANGE



HE-HO

Option 7 ETA Assessed. Zinc plated



HE-CL

Option 7 ETA Assessed. With flared lip. Zinc platedZincado



HE-NO

Zinc plated



HE-A4

Stainless steel A4

CHARACTERISTICS

- Works by deformation.
- European assessment for interior structural applications in non-cracked concrete.
- European approval for non-structural applications in cracked and non-cracked concrete.
- Prior installation of material to be fixed.
- Bolt may be disassembled, leaving base material surface clear.
- Bolt not supplied.

APPLICATIONS

- Fixings in suspended ceilings, sprinkler systems and ventilation systems.
- Structural fixings, indoor and / or outdoor ironwork.
- Threaded rod fixings.

RECOMMENDED LOADS

Traction in non-cracked concrete (Kg.)

175	230	354	494	800	1.000
M6	M8	M10	M12	M16	M20

BASE MATERIALS



ASSESSMENTS



AVAILABLE
IN
INDEXcal

USES



HE

Drop in anchor with internal thread for heavy loads

EXP

Manual setting tool for HE drop in anchors



SOLID



CODE	SIZE	€/100		
EXHBM06	M6 x 120	1.342,740	1	10
EXHBM08	M8 x 120	1.359,157	1	10
EXHBM10	M10 x 120	1.375,577	1	10
EXHBM12	M12 x 130	1.407,157	1	10
EXHBM16	M16 x 145	1.731,157	1	10
EXHBM20	M20 x 155	2.469,473	1	10



Drop in anchor with internal thread for heavy loads

HE

SOLID



CODE	SIZE	€/100	LENGTH		
HEHOM06	M6 x 25 Ø8	14,858	25	100	4.000
HEHOM08	M8 x 30 Ø10	19,611	30	100	2.200
HEHOM10	M10 x 40 Ø12	32,797	40	50	1.000
HEHOM12	M12 x 50 Ø15	60,293	50	50	600
HEHOM16	M16 x 65 Ø20	151,943	65	25	250
HEHOM20	M20 x 80 Ø25	314,757	80	25	100
•HEHOM12D	M12 x 50 Ø16	74,072	50	50	400



* Designed for fastening diamond cutting equipment

• Non-assessed sizes

02
P. 316
Technical
info

14
Técnicas Expansivas S.L.
Segador 13, Logroño, Spain
ETA 140068, ETA 140135
1219
Structural / non structural
fixings in concrete



HE-NO

Zinc-plated

SOLID



CODE	SIZE	€/100	LENGTH		
HENOM06	M6 x 25 Ø8	12,680	25	100	4.000
HENOM08	M8 x 30 Ø10	17,510	30	100	2.200
HENOM10	M10 x 40 Ø12	29,283	40	50	1.000
HENOM12	M12 x 50 Ø15	53,833	50	50	600
HENOM16	M16 x 65 Ø20	135,663	65	25	250
HENOM20	M20 x 80 Ø25	281,033	80	25	100



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS	BAGS	CODE	SIZE	€/BOX	PCS	BOXES	CODE	SIZE	€/BAG	PCS	BAGS
BZHENOM06	M6 x 25 Ø8	3,136	4	20	VHENOM06	M6 x 25 Ø8	2,905	15	8	LSHENOM06	M6 x 25 Ø8	4,823	30	7
BZHENOM08	M8 x 30 Ø10	3,136	4	20	VHENOM08	M8 x 30 Ø10	3,547	15	8	LSHENOM08	M8 x 30 Ø10	6,383	30	7
BZHENOM10	M10 x 40 Ø12	3,136	2	15						LSHENOM10	M10 x 40 Ø12	6,130	16	7

SOLID



CODE	SIZE	€/100	LENGTH		
HECLOM06	M6 x 25 Ø8	18,924	25	100	4.000
HECLOM08	M8 x 30 Ø10	26,118	30	100	2.200
HECLOM10	M10 x 40 Ø12	40,838	40	50	1.000
HECLOM12	M12 x 50 Ø15	74,113	50	50	600
HECLOM16	M16 x 65 Ø20	182,614	65	25	250
•HECLOM12D	M12 x 50 Ø16	86,414	50	50	400



* Designed for fastening diamond cutting equipment

• Non-assessed sizes

02
P. 317
Technical
info

14
Técnicas Expansivas S.L.
Segador 13, Logroño, Spain
ETA 140068, ETA 140135
1219
Structural / non structural
fixings in concrete



HE-CL

Option 7 Part 6 ETA Assessed for structural and non-structural uses. With flared lip



STAINLESS STEEL



CODE	SIZE	€/100	LENGTH		
HEA4M06	M6 x 25 Ø8	110,480	25	100	4.000
HEA4M08	M8 x 30 Ø10	164,443	30	100	2.200
HEA4M10	M10 x 40 Ø12	276,413	40	50	1.000
HEA4M12	M12 x 50 Ø15	502,303	50	50	600
HEA4M16	M16 x 65 Ø20	1.086,747	65	25	250
HEA4M20	M20 x 80 Ø25	2.104,590	80	25	100

HE-A4

Stainless steel A4

02
P. 317
Technical
info



ANFA

Scaffolding anchoring

AN-23

Eye diameter 23 mm



AN-51

Eye diameter 51 mm



TC-SO 2

Nylon plug, 2 wings



TC-SO 8

Nylon plug, 8 wings



AN-50 CT

Eye diameter 50 mm + zamak shield M10



AN-TA

Cap for wallplug holes



MULTI-MATERIAL



CODE	SIZE	€/100	Ø PLUG	HOLE DEPTH MIN.	MIN. ANCHOR DEPTH	EYE BOLT Ø		
ANFA2309	12 x 90	177,304	TC-SO Ø14-Ø16	100	90	23	20	120
ANFA2312	12 x 120	202,007	TC-SO Ø14-Ø16	130	120	23	20	80
ANFA2316	12 x 160	249,580	TC-SO Ø14-Ø16	170	160	23	20	60
ANFA2319	12 x 190	264,003	TC-SO Ø14-Ø16	200	190	23	20	60
ANFA2323	12 x 230	304,079	TC-SO Ø14-Ø16	240	230	23	20	40
ANFA2330	12 x 300	379,114	TC-SO Ø14-Ø16	310	300	23	10	20
ANFA2335	12 x 350	412,675	TC-SO Ø14-Ø16	360	350	23	10	-

* Recommended plug TCSO16140

MULTI-MATERIAL



CODE	SIZE	€/100	Ø PLUG	HOLE DEPTH MIN.	MIN. ANCHOR DEPTH	EYE BOLT Ø		
ANFA5114	12 x 140	314,689	TC-SO Ø14-Ø16	150	140	51	20	60
ANFA5116	12 x 160	343,532	TC-SO Ø14-Ø16	170	160	51	20	40
ANFA5120	12 x 200	444,931	TC-SO Ø14-Ø16	210	200	51	20	40
ANFA5124	12 x 240	490,127	TC-SO Ø14-Ø16	250	240	51	20	40

* Recommended plug TCSO16140

MULTI-MATERIAL



CODE	SIZE	€/100		
TCSO14075	14 x 75 Ø14	23,688	20	240
TCSO14100	14 x 100 Ø14	30,532	20	240

MULTI-MATERIAL



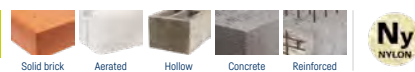
CODE	SIZE	€/100		
TCSO14130	14 x 130 Ø14	60,595	20	240
TCSO14160	14 x 160 Ø14	68,269	20	120
TCSO16140	16 x 140 Ø16	133,712	20	120
TCSO16160	16 x 160 Ø16	142,382	20	80
TCSO16200	16 x 200 Ø16	147,009	20	60
TCSO16240	16 x 240 Ø16	167,141	20	40

MULTI-MATERIAL



CODE	SIZE	€/100	HOLE DEPTH MIN.	EYE BOLT Ø		
ANFAZ5021	M10 x 210 Ø16	1.026,571	120	50	10	20

MULTI-MATERIAL



CODE	SIZE	€/100	DRILL Ø	HOLE DEPTH MIN.	MIN. ANCHOR DEPTH		
ANFATA37B	13 x 37 Ø6	23,590	6	130	33	100	600
• ANFATA70B	13 x 70 Ø6	28,414	6	180	33	100	300

• Availability: end of stock



CHEMICAL ANCHORS

NEW RANGE

Adapted to the needs of our customers.



Polyester range

Vinylester range

Hybrid range

Pure Epoxy range

Committed to quality



NEW DESIGN





MO-B

BASIC POLYESTER



CODE		€/1PC	
MOB300	300 ml	11,562	12
MOB410	410 ml	13,117	12

CHARACTERISTICS

- Valid for M8-M24 studs.
- Use for medium-high loads.
- Valid for dry, wet and flooded drill holes.
- Use for static or quasi-static loads.
- Versions in zinc plated steel and stainless steel A2 and A4.
- Temperature range: from -40°C to +80°C (long term maximum temperature +50°C).
- Polyester resin for all types of materials.

APPLICATIONS

- Use in indoor and outdoor environments.
- For fixing stone cladding.
- Rehabilitation of facades.
- For fixing notices, air conditioning supports, boilers, awnings, signs, balconies, shelving units, railings, etc.



MO-P

POLYESTER



CODE		€/IPC	
MOP300	300 ml	13,104	12
MOP410	410 ml	14,280	12



CHARACTERISTICS

- Assessed for all types of concrete, non-cracked, and all concrete applications. Valid for hollow and solid masonry.
- Assessed studs from M8 to M24.
- Use for medium-high loads.
- Valid for dry, wet and flooded holes.
- Use for static or quasi-static loads.
- Versions in zinc plated steel and stainless steel A2 and A4.
- Temperature range: from -40°C to +80°C (long term maximum temperature +50°C).

APPLICATIONS

- Use in indoor and outdoor environments.
- Structural applications.
- For fixing stone cladding.
- Rehabilitation of facades.
- For fixing notices, air conditioning supports, boilers, awnings, signs, balconies, shelving units, railings, etc.



MO-PS

STYRENE FREE POLYESTER



CODE		€/IPC	
MOPS300	300 ml	14,817	12
MOPS410	410 ml	17,882	12

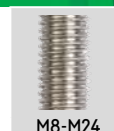


OTHER VERSIONS

CODE		€/IPC.	
MOPS300EP	300 ml - KIT	23,572	12

CONTENT:

- 1x MO-PS CARTRIDGE 300 ml.
- 2x NOZZLE
- 4x PLASTIC SLEEVE 15x85
- 4x STUD BOLT 8x110



M8-M24

CHARACTERISTICS

- Assessed for all types of concrete, non-cracked, masonry and all concrete applications.
- Assessed studs from M8 to M24.
- Use for medium-high loads.
- Styrene free.
- Valid for dry, wet and flooded holes.
- Use for static or quasi-static loads.
- Versions in zinc plated steel and stainless steel A2 and A4.
- Temperature range: from -40°C to +80°C [long term maximum temperature +50°C].

APPLICATIONS

- Use in indoor and outdoor environments.
- Structural applications.
- Fixing of building substructures.
- Rehabilitation of facades.
- For fixing air conditioning supports, boilers, awnings, garage door frames, signs, balconies, shelving units, railings, handrails, etc.

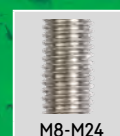


MO-PSP

STYRENE FREE POLYESTER. STONE



CODE		€/IPC	
MOPSP300	300 ml	16,298	12
MOPSP410	410 ml	19,670	12



CHARACTERISTICS

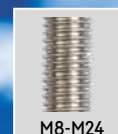
- Assessed for all types of concrete, non-cracked, masonry and all concrete applications.
- Assessed studs from M8 to M24.
- Use for medium-high loads.
- Styrene free.
- Valid for dry, wet and flooded holes.
- Use for static or quasi-static loads.
- Versions in zinc plated steel and stainless steel A2 and A4.
- Temperature range: from -40°C to +80°C (long term maximum temperature +50°C).

APPLICATIONS

- Use in indoor and outdoor environments.
- Structural applications.
- Fixing of building substructures.
- Rehabilitation of facades.
- For fixing air conditioning supports, boilers, awnings, garage door frames, signs, balconies, shelving units, railings, handrails, etc.

**MO-V****VINYLESTER**

CODE		€/1PC	
MOV300	300 ml	16,308	12
MOV410	410 ml	17,598	12



CHARACTERISTICS

Assessed for all types of concrete, non-cracked, and all concrete applications.

- Assessed studs from M8 to M24.
- Use for high loads.
- Valid for dry, wet and flooded holes.
- Use for static or quasi-static loads.
- Versions in zinc plated steel and stainless steel A2 and A4.
- Temperature range: from -40°C to +80°C (long term maximum temperature +50°C).

APPLICATIONS

- Use in indoor and outdoor environments.
- Structural applications.
- Fixing roadside fencing.
- Fixing notices, machinery, boilers, signs, billboards, etc.



MO-VS

STYRENE FREE VINYLESTER



CODE		€/IPC	
MOVS300	300 ml	17,749	12
MOVS410	410 ml	21,599	12



CHARACTERISTICS

Assessed for all types of concrete, non-cracked, and all concrete applications. Valid for hollow and solid masonry.

Assessed studs from M8 to M24.

Use for medium-high loads.

Styrene free.

Valid for dry, wet and flooded holes.

Use for static or quasi-static loads.

Versions in zinc plated steel and stainless steel A2 and A4.

Temperature range: from -40°C to +80°C (long term maximum temperature +50°C).

APPLICATIONS

- Use in indoor and outdoor environments.
- Structural applications.
- For fixing stone cladding.
- Rehabilitation of facades.
- For fixing notices, air conditioning supports, boilers, awnings, signs, balconies, shelving units, railings, etc.

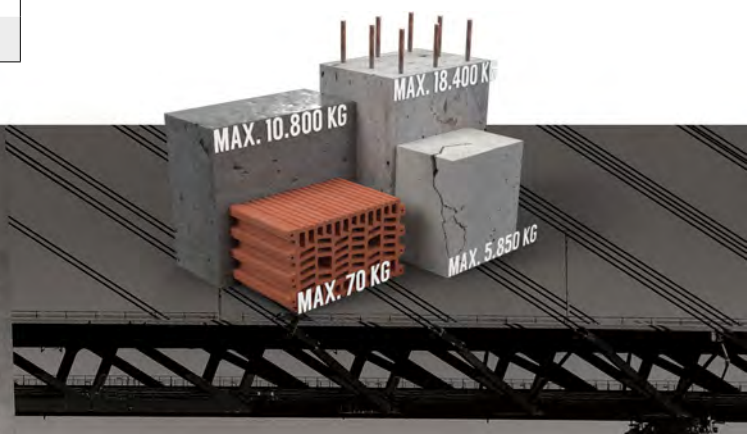


MO-H

STYRENE-FREE HYBRID RESIN



CODE		€/IPC	
MOH300	300 ml	20,440	12
MOH410	410 ml	23,227	12



Assessed until M30



CHARACTERISTICS

Assessed for all types of concrete, cracked and non-cracked, masonry and all concrete applications.
 Certificate of contact with drinking water (WRAS).
 Fire resistance certificate for studs and rebar (IBMB).
 Assessed studs from M8 to M30, even M27.
 Rebar used as stud from Ø8 to Ø32.
 Post-installed rebar Ø8 to Ø25.
 Use for high loads.
 Styrene free.
 Valid for dry, wet and flooded holes.
 Use for static or quasi-static loads.
 Versions in zinc plated steel and stainless steel A2 and A4.
 Temperature range: from -40°C to +80°C (long term maximum temperature +50°C).

APPLICATIONS

- Use in indoor and outdoor environments.
- Structural applications
- Fixing of building substructures.
- Rebar and start rebar.
- For fixing enginery, balconies, awnings, shelving units, billboards, catenaries, safety barriers, railings, handrails, etc.
- Large metric sizes, retaining walls.

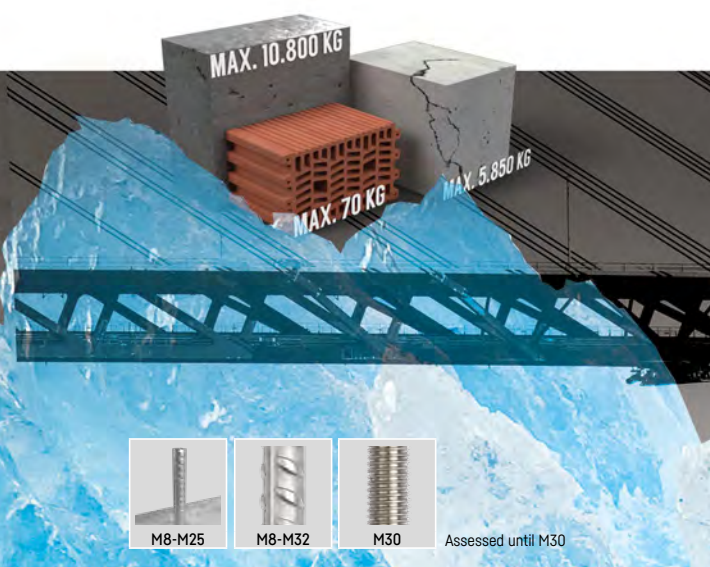


MO-HW

STYRENE-FREE HYBRID RESIN. WINTER



CODE		€/IPC	
MOHW300	300 ml	22,484	12
MOHW410	410 ml	25,549	12



Assessed until M30



CHARACTERISTICS

Assessed for all types of concrete, cracked and non-cracked, masonry and all concrete applications.
 Certificate of contact with drinking water (WRAS).
 Fire resistance certificate for studs and rebar (IBMB).
 Assessed studs from M8 to M30, even M27.
 Rebar used as stud from Ø8 to Ø32.
 Post-installed rebar Ø8 to Ø25.
 Use for high loads.
 Styrene free.
 Valid for dry, wet and flooded holes.
 Use for static or quasi-static loads.
 Versions in zinc plated steel and stainless steel A2 and A4.
 Temperature range: from -40°C to +80°C (long term maximum temperature +50°C).

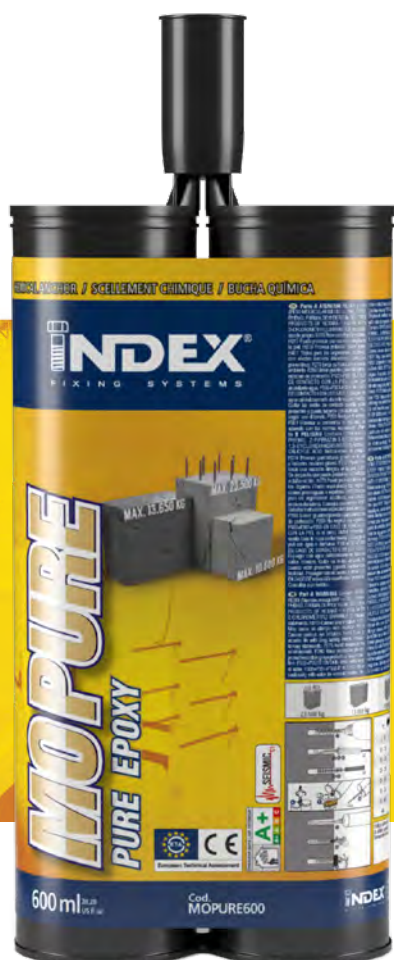
APPLICATIONS

- Use in indoor and outdoor environments.
- Structural applications
- Fixing of building substructures.
- Rebar and start rebar.
- For fixing enginery, balconies, awnings, shelving units, billboards, catenaries, safety barriers, railings, handrails, etc.
- Large metric sizes, retaining walls.

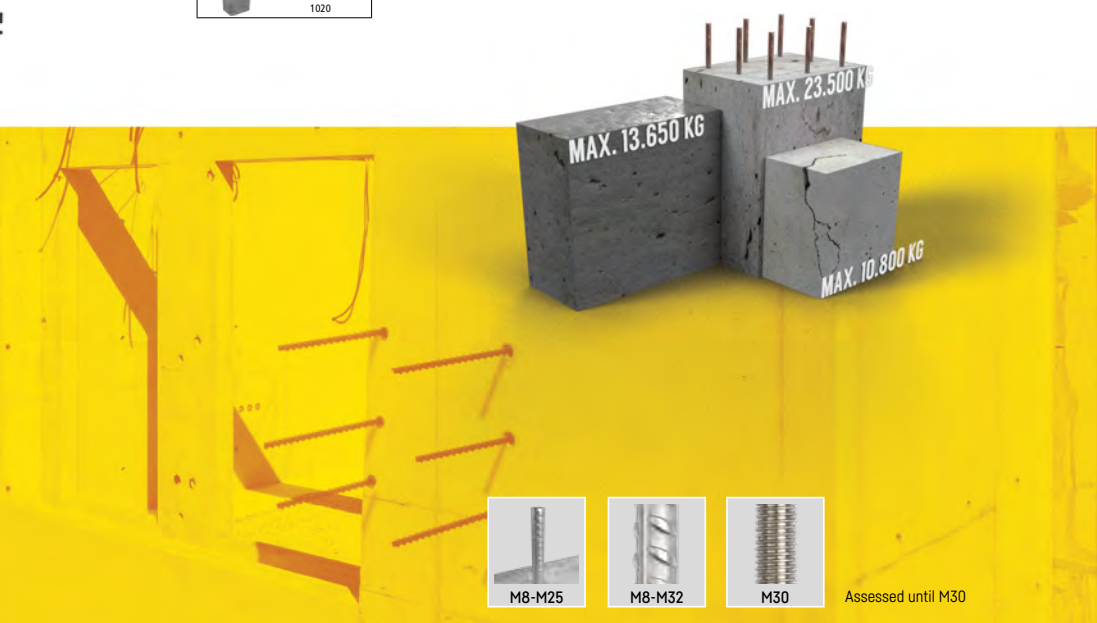


MOPURE

PURE EPOXY



CODE		€/1PC	
MOPURE600	600 m	58,335	12



CHARACTERISTICS

Assessed for every kind of cracked and non- cracked concrete and all concrete applications.

Assessed studs from M10 to M30.

Rebar used as stud from Ø10 to Ø32.

Post-installed rebar Ø8 to Ø32.

Pure Epoxy 1:1, cartridges of 300 + 300 ml.

Use for high loads.

Use for static or quasi-static loads.

Versions in zinc plated steel and stainless steel A2 and A4.

Temperature range: from -40°C to +80°C (long term maximum temperature +40°C).

APPLICATIONS

- Use in indoor and outdoor environments.
- Structural applications.
- Fixing of building substructures.
- Rebar and start rebar.
- Safety barriers, billboards, heavy engine, etc.
- Large metric sizes, retaining walls.

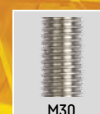
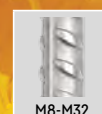


MOPUR3

PURE EPOXY 3:1



CODE		€/IPC	
MOPUR30385	385 ml	40,775	12
MOPUR30585	585 ml	59,325	12



Assessed until M30



CHARACTERISTICS

Assessed for all types of concrete, cracked, non-cracked and all concrete applications.

Certificate of contact with drinking water (WRAS).

Fire resistance certificate for post-installed rebar (CSTB).

Assessed studs from M8 to M30, even M27.

Rebar used as stud from Ø8 to Ø32.

Post-installed rebar Ø8 to Ø32.

Use for high loads.

Pure Epoxy 3:1 red colored.

Valid for dry, wet and flooded holes.

Use for static or quasi-static loads.

Versions in zinc plated steel and stainless steel A2 and A4.

Temperature range: from -40°C to +70°C (long term maximum temperature +50°C).

APPLICATIONS

- Use in indoor and outdoor environments.
- Structural applications.
- Fixing of building substructures.
- Rebar and start rebar.
- For fixing enginery, balconies, awnings, shelving units, billboards, catenaries, safety barriers, railings, handrails, etc.
- Large metric sizes, retaining walls.



MO

Cartridge chemical anchors

MO-PIS

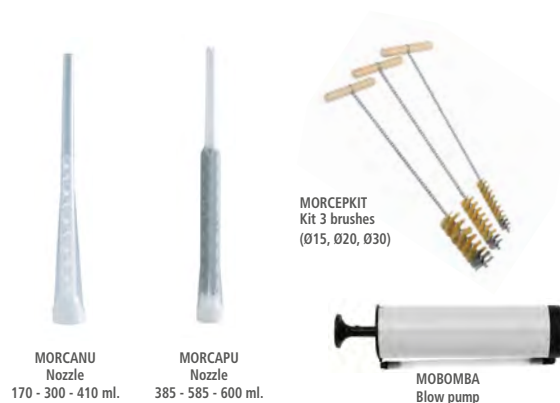
Guns



CODE	MODEL	CARTDRIDGE SIZE	€/1 PC	
MOPISTO	Manual	410 ml.	39,730	1
MOPISPR	Professional	410 ml.	98,127	1
MOPISSI	Silicone	170ml. / 300 ml.	19,539	1
MOPISPUR6	MOPURE600	600 ml.	50,997	1
MOPISNEU	Pneumatic	410 ml.	1.299,395	1
MOPISP3385	MOPUR30385	385 ml.	108,333	1
MOPISP3585	MOPUR30585	585 ml.	123,025	1

MO-AC

Mixer nozzles and more



CÓDIGO	MODELO	€/1 PC		
MOBOMBA	Blow pump	13,230	1	-
MORCANU	Nozzle 170 - 300 - 410 ml.	0,930	12	144
MORCAPU	Nozzle 385 - 585 - 600 ml.	1,373	12	24
MORCEPKIT	Kit brushes	69,182	1	-

MO-TN

Plastic sleeve



CÓDIGO	MEDIDA	€/100	MIN. ORDER QTY.		
MOTN12050	12 x 50	36,687	24	12	240
MOTN15085	15 x 85	30,728	24	12	240
MOTN15130	15 x 130	36,241	24	12	240
MOTN20085	20 x 85	34,962	24	12	240



Self-service

CODE	SIZE	€/BAG	PCS.	BAGS
LSMOTN12050	12 x 50	2,611	4	7
LSMOTN15085	15 x 85	2,598	4	6
LSMOTN20085	20 x 85	2,292	2	6

MO-ES

Stud bolt



CÓDIGO	MEDIDA	€/100		
MOES06070	M6 x 70	53,213	12	540
MOES08110	M8 x 110	90,057	12	288
MOES10115	M10 x 115	119,614	12	144
MOES12110	M12 x 110	159,366	12	144



Self-service

CODE	SIZE	€/BAG	PCS.	BAGS
LSMOES06070	M6 x 70 Ø6	4,058	4	10
LSMOES08110	M8 x 110 Ø8	5,789	4	7
LSMOES10115	M10 x 115 Ø10	7,144	4	6
LSMOES12110	M12 x 110 Ø12	8,970	4	6

MO-TR

Sleeve with internal thread



CÓDIGO	MEDIDA	€/100		
MOTRO08	M8/12 x 80	183,421	12	540
MOTRO10	M10/14 x 80	245,709	12	288
MOTRO12	M12/16 x 80	297,500	12	288

MO-TM

Metal sleeve



CÓDIGO	MEDIDA	€/100		
MOTM12100	12 x 1000	1.501,922	10	10
MOTM16100	16 x 1000	1.747,242	10	10
MOTM22100	22 x 1000	1.978,804	5	20



Chemical anchor capsule

CA

CHEMICAL



CODE	SIZE	€/100		
CAQU008	8 x 80 Ø10	185,957	10	500
CAQU010	10 x 90 Ø12	187,607	10	500
CAQU012	12 x 110 Ø14	197,063	10	200
CAQU016	16 x 125 Ø18	217,473	10	200
CAQU020	20 x 170 Ø25	448,683	6	60
CAQU024	24 x 210 Ø28	525,330	6	60
•CAQU030	30 x 280 Ø35	923,838	6	30

• Non-assessed sizes

PACKAGING WITH
ANTI-BREAKAGE
PROTECTIONZT



CA-QU

Epoxy resin, quartz and a phial of hardener.
Option 8 ETA Assessed

INDEX CAQU012



Technical
info



13
Técnicas Expansivas S.L.
Segador, 13, Logroño,
Spain
ETE 08/0350
1109
Fixings in non-cracked
concrete



Stud bolt for chemical anchor, with nut and washer

EQ

CHEMICAL



CODE	SIZE	€/100		
EQAC08110	M8 x 110	62,223	10	240
EQAC10130	M10 x 130	99,960	10	120
EQAC12160	M12 x 160	159,347	10	120
EQAC16190	M16 x 190	295,973	10	40
EQAC20260	M20 x 260	633,870	6	12
EQAC24300	M24 x 300	979,071	6	12
EQAC30330	M30 x 330	2.043,343	6	12

CHEMICAL



CODE	SIZE	€/100		
EQA208110	M8 x 110	237,507	10	240
EQA210130	M10 x 130	374,133	10	120
EQA212160	M12 x 160	622,433	10	120
EQA216190	M16 x 190	1.284,730	10	40
EQA220260	M20 x 260	2.455,457	6	12
EQA224300	M24 x 300	3.412,137	6	12
EQA230330	M30 x 330	6.225,317	6	12

CHEMICAL



CODE	SIZE	€/100		
EQA408110	M8 x 110	290,717	10	240
EQA410130	M10 x 130	529,017	10	120
EQA412160	M12 x 160	905,387	10	120
EQA416190	M16 x 190	1.882,527	10	40
EQA420260	M20 x 260	4.340,410	6	12
EQA424300	M24 x 300	7.153,913	6	12
EQA430330	M30 x 330	12.619,450	6	12

EQ-AC

Zinc-plated



FREE setting tool

EQ-A2

Stainless steel A2



FREE setting tool

EQ-A4

Stainless steel A4



FREE setting tool

PU-TP

Polyurethane foam for attaching tiles.
For application with a gun.

ROOFING TILES

PU-TP



Máximo aislamiento térmico y acústico
Maximum thermal and acoustic insulation · Isolation thermique
et acoustique maximale · Isolamento térmico e acústico máximo



USO
HIGH-PERFORMANCE
PROFESIONAL

CODE	SIZE	€/1PC	
PUTP750	750 ml.	12,750	12



For easy attachment of tiles on the base of the roof. It can be used at low temperatures. It ensures excellent adhesion to all construction materials. It makes it possible to attach tiles on the roof in a precise, fast and efficient manner, compared to traditional methods. It can be used in temperatures of up to -5°C. It also offers thermal and acoustic insulation.

Volume	40–45 l (free foaming))
Application temperature	from +5°C (surface), from 20–25°C (can)
Setting time	5–10 min. (23°C/50% rel. hum.)
Cutting time	20–25 min. (Ø=3 cm, 23°C/50% rel. hum.)
Hardening time	1,5–5 h (depending on temp. and humidity)
Temp. resistance	from -40°C to +90°C
Combustion grade	EN 13501, parte 1 (E)

PU-FP

Universal plug with collar and knot-like segment

FIRE RESISTANCE

PU-FP



Alto rendimiento
High Performance · Haute Performance
Alton Rendimento



CODE	SIZE	€/1PC	
PUFP750	750 ml.	24,200	12



For sealing, assembly, filling, insulation and attachment in areas where fire-resistance is desired or required. It ensures excellent adhesion to all construction materials, except PTFE, silicone and polyethylene. It provides full fire resistance. Particularly recommended for applications in electrical installations, emergency doors, safes, library archives, hospitals and so on.

Volume	40–45 l (free foaming) (750 ml)
Application temperature	min +5°C (surface), 20–25°C (can)
Setting time	5–10 min (23°C/50% rel. hum.)
Cutting time	20–25 min (Ø=3 cm, 23°C/50% rel. hum.)
Hardening time	1.5–5 h (depending on temp. and humidity)
Temp. resistance	from -40°C to +90°C
Combustion grade	DIN 4102, part 1 (B1); BS 476, part 20 EN 13501, part 1 (B-s1, d0) EN 13501, part 2 (EI 240)

PU-CL

Cleaner for polyurethane foam application.

CLEANER

PU-CL



Nueva tecnología, Máxima limpieza
Maximum cleaning, New technology · Nettoyage maximum,
Nouvelle technologie · Máxima limpeza, Nova tecnologia



CODE	SIZE	€/1PC	
PUCL500	500 ml.	14,317	12



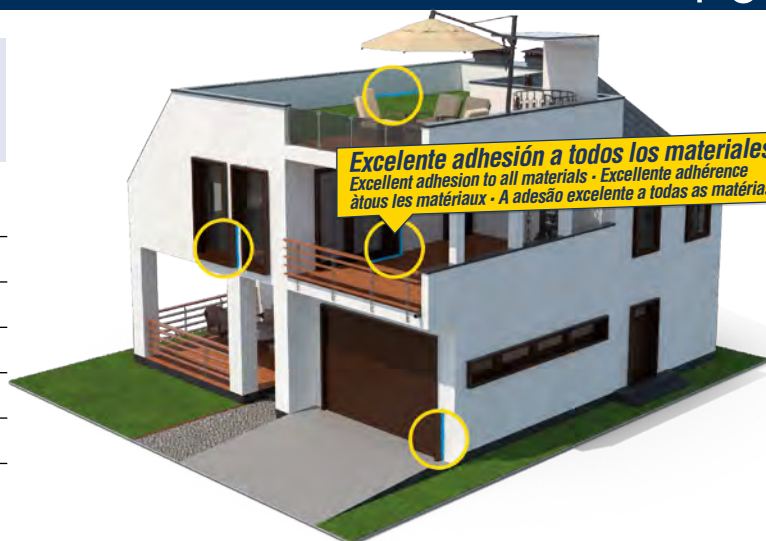
To clean foam application guns, the application valve of the foam canister, general cleaning of fresh polyurethane foam on different work surfaces. It cleans and degreases iron, steel, chrome, aluminium, unlacquered wood, marble and stone. It removes grease, tar, oil, wax and residues from adhesives and fresh fillers. It acts fast and does not damage tools.

MULTIPLE USE

Multipurpose polyurethane foam

PU-S

For sealing, assembly, filling, insulation and attaching. Useful for a wide range of applications. It ensures excellent adhesion to all construction materials, except PTFE, silicone and polyethylene. It offers excellent thermal and acoustic insulation. Resistant to water and to ageing.



Volume	40–45 l. (750 ml.)
Application temperature	min. +5°C (surface), from 20–25°C (can)
Setting time	5–10 min (23°C/50% rel. hum.)
Cutting time	20–25 min. (gun) y 25–30 min. (Nozzle)
(Ø=3 cm, 23°C/50% rel. hum.)	1,5–5 h (depende de temp. e hum.)
Hardening time	1.5–5 h (depending on temp. and humidity)
Combustion grade	EN 13501, part 1 (F)

PU-SC

For application with a tube



CODE	SIZE	€/1PC	
PUSC750	750 ml.	10,954	12

PU-SP

For application with a gun



CODE	SIZE	€/1PC	
PUSP750	750 ml.	11,226	12

Accessories for polyurethane foams

PU-AC

PU-PI

Application gun for polyurethane foams



CODE	SIZE	€/1PC	
PUPI01	750 ml.	97,683	1

PU-CA

Nozzle for polyurethane foam application



CODE	SIZE	€/1 PC	
PUCA01	750 ml.	4,943	12

Super adhesive

ADSUP

CHEMICAL



CODE	SIZE	€/PC	MIN. ORDER QTY.	
ADSUPM300	300 ml.	8,297	25	1



NYLON PLUGS





T-NLX

UNIVERSAL HIGH PERFORMANCE NYLON PLUG



RANGE	
T-NUX E	Hexagonal washer head
T-NUX A	Countersunk head
T-NUX T	Tamper-proof Truss Head
T-NUX E A4	Stainless steel A4. Hexagonal washer head
T-NUX A A4	Stainless steel A4. Countersunk head
T-NUX	Frame anchor
T-FUX F	Cylindrical head wall plug. Hexagonal cap screw

CHARACTERISTICS

- Nylon plug with screw for heavy duty fixings.
- Quick fixing, assembly through material to be fixed, installed by hammering nylon plug and later threading screw.
- Wide range of lengths and thickness to fix.
- Multimaterial. Suitable for unknown places in the base material.
- Anchor with high mechanical resistance values.
- European approval, DITE-13/0754, for use in concrete, aerated concrete, solid brick, hollow brick and concrete blocks.

APPLICATIONS

- Façade rehabilitation.
- Ventilated façades.
- Installation of air conditioning equipment.
- Door and window frames.
- Garage doors.
- Railings.

RECOMMENDED LOADS

Traction in hollow brick (Kg.)

25	45
#8	#10

Traction in non-cracked concrete (Kg.)

140	200
#8	#10

ASSESSMENTS



MATERIALS BASE



CONCRETE



REINFORCED CONCRETE



SOLID BRICK



AERATED CONCRETE



HOLLOW BRICK



STONE



HOLLOW CONCRETE



ADOBE

MULTI-MATERIAL

AVAILABLE HEADS



COUNTERSUNK HEAD
Tx RECESS

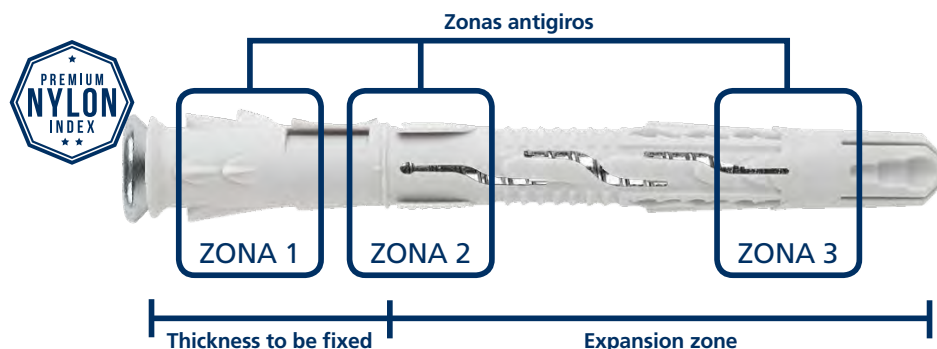


HEXAGONAL HEAD Tx
RECESS WITH WASHER



TAMPERPROOF HEAD
Tx RECESS

USES



HIGH QUALITY MATERIAL

SUITABLE FOR LARGE LOADS

QUICK FIXING

KNOTS IN HOLLOW MATERIAL



Universal frame anchor

T-NUX

MULTI-MATERIAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
•TNUXA08060	8 x 60 Ø8	45,043	TX30	-	50	600
TNUXA08080	8 x 80 Ø8	49,300	TX30	10	50	600
TNUXA08100	8 x 100 Ø8	61,630	TX30	30	50	600
TNUXA08120	8 x 120 Ø8	70,470	TX30	50	50	300
•TNUXA10060	10 x 60 Ø10	66,760	TX40	-	50	300
TNUXA10080	10 x 80 Ø10	82,070	TX40	10	50	300
TNUXA10100	10 x 100 Ø10	92,730	TX40	30	50	300
TNUXA10120	10 x 120 Ø10	106,830	TX40	50	50	300
TNUXA10140	10 x 140 Ø10	132,730	TX40	70	50	300
TNUXA10160	10 x 160 Ø10	141,670	TX40	90	50	200
TNUXA10180	10 x 180 Ø10	193,557	TX40	110	50	150
TNUXA10200	10 x 200 Ø10	247,000	TX40	130	50	150
TNUXA10230	10 x 230 Ø10	452,230	TX40	160	50	100

• Non-assessed sizes



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
BZTNXA08080	8 x 80 Ø8	3,136	2	15
BZTNXA08100	8 x 100 Ø8	3,136	2	15
BZTNXA08120	8 x 120 Ø8	3,136	2	15
BZTNXA10080	10 x 80 Ø10	3,136	2	15
BZTNXA10100	10 x 100 Ø10	3,136	2	15
BZTNXA10120	10 x 120 Ø10	3,136	2	15

CODE	SIZE	€/BOX	PCS.	BOXES
VTNUXA08080	8 x 80 Ø8	5,327	8	8
VTNUXA08100	8 x 100 Ø8	6,657	8	8
VTNUXA10080	10 x 80 Ø10	8,863	8	8
VTNUXA10100	10 x 100 Ø10	10,017	8	8

CODE	SIZE	€/BAG	PCS.	BAGS
LSTNXA08080	8 x 80 Ø8	5,990	10	8
LSTNXA08100	8 x 100 Ø8	7,487	10	8
LSTNXA08120	8 x 120 Ø8	8,247	8	8
LSTNXA10080	10 x 80 Ø10	8,863	8	8
LSTNXA10100	10 x 100 Ø10	6,760	6	6

MULTI-MATERIAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
•TNUXE08060	8 x 60 Ø8	51,800	TX30	H10	-	50
TNUXE08080	8 x 80 Ø8	59,030	TX30	H10	10	50
TNUXE08100	8 x 100 Ø8	74,570	TX30	H10	30	50
TNUXE08120	8 x 120 Ø8	87,330	TX30	H10	50	50
•TNUXE10060	10 x 60 Ø10	76,300	TX40	H13	-	50
TNUXE10080	10 x 80 Ø10	89,970	TX40	H13	10	50
TNUXE10100	10 x 100 Ø10	104,330	TX40	H13	30	50
TNUXE10120	10 x 120 Ø10	143,370	TX40	H13	50	50
TNUXE10140	10 x 140 Ø10	182,970	TX40	H13	70	50
TNUXE10160	10 x 160 Ø10	183,400	TX40	H13	90	50
TNUXE10180	10 x 180 Ø10	214,667	TX40	H13	110	50
TNUXE10200	10 x 200 Ø10	283,800	TX40	H13	130	50
TNUXE10230	10 x 230 Ø10	472,700	TX40	H13	160	50

• Non-assessed sizes



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
BZTNXE08080	8 x 80 Ø8	3,136	2	15
BZTNXE08100	8 x 100 Ø8	3,136	2	15
BZTNXE08120	8 x 120 Ø8	3,136	2	15
BZTNXE10080	10 x 80 Ø10	3,136	2	15
BZTNXE10100	10 x 100 Ø10	3,136	2	15
BZTNXE10120	10 x 120 Ø10	3,136	2	15

CODE	SIZE	€/BOX	PCS.	BOXES
VTNUXE08080	8 x 80 Ø8	6,377	8	8
VTNUXE08100	8 x 100 Ø8	8,053	8	8
VTNUXE10080	10 x 80 Ø10	9,717	8	8
VTNUXE10100	10 x 100 Ø10	11,267	8	8

CODE	SIZE	€/BAG	PCS.	BAGS
LSTNXE08080	8 x 80 Ø8	7,173	10	8
LSTNXE08100	8 x 100 Ø8	9,060	10	8
LSTNXE08120	8 x 120 Ø8	9,513	8	8
LSTNXE10080	10 x 80 Ø10	6,560	6	6
LSTNXE10100	10 x 100 Ø10	7,607	6	6

MULTI-MATERIAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TNUXT10080	10 x 80 Ø10	92,740	TX40	10	50	300
TNUXT10100	10 x 100 Ø10	104,787	TX40	30	50	300
TNUXT10120	10 x 120 Ø10	120,717	TX40	50	50	200
TNUXT10140	10 x 140 Ø10	149,987	TX40	70	50	200
TNUXT10160	10 x 160 Ø10	160,087	TX40	90	50	200

*Incluye estrella inviolable

T-NUX A

Countersunk head. ETA Assessed

Technical info
P. 321

14
Técnicas Expansivas S.L.
Segador 13. Logroño, Spain
ETA 140467
1219
Fixings in concrete, masonry,
aerated concrete blocks



T-NUX E

Hexagonal washer head. ETA Assessed

Technical info
P. 321

14
Técnicas Expansivas S.L.
Segador 13. Logroño, Spain
ETA 140467
1219
Fixings in concrete, masonry,
aerated concrete blocks



T-NUX T

Tamper-proof Truss Head. ETA Assessed.

Technical info
P. 321

14
Técnicas Expansivas S.L.
Segador 13. Logroño, Spain
ETA 140467
1219
Fixings in concrete, masonry,
aerated concrete blocks

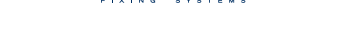
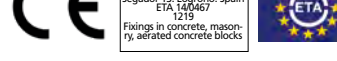
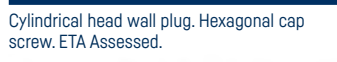
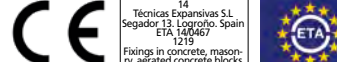
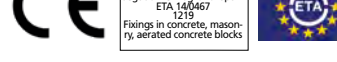
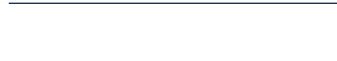


T-NUX

Universal frame anchor

T-NUX

High performance nylon plug



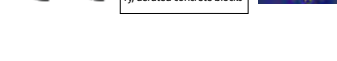
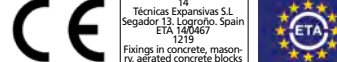
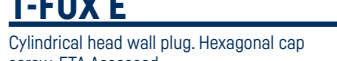
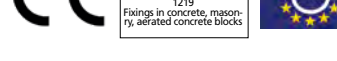
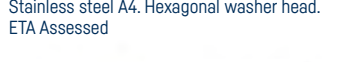
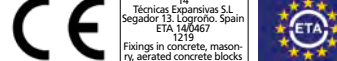
MULTI-MATERIAL



CODE	SIZE	€/100		
TNUX08060	8 x 60	20,720	50	800
TNUX08080	8 x 80	22,347	50	600
TNUX08100	8 x 100	25,757	50	600
TNUX08120	8 x 120	28,410	50	600
TNUX10060	10 x 60	26,707	50	600
TNUX10080	10 x 80	27,083	50	600
TNUX10100	10 x 100	32,957	50	600
TNUX10120	10 x 120	38,827	50	600
TNUX10140	10 x 140	50,567	50	300

T-NUX A A4

Stainless steel A4. Countersunk head. ETA Assessed



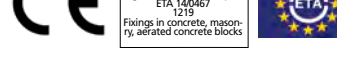
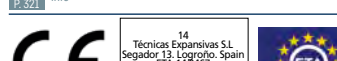
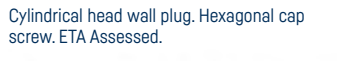
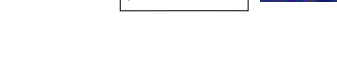
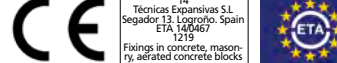
STAINLESS STEEL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TNXA408080	8 x 80 Ø8	218,933	TX30	10	50	600
TNXA408100	8 x 100 Ø8	264,000	TX30	30	50	600
TNXA408120	8 x 120 Ø8	326,133	TX30	50	50	300
TNXA410080	10 x 80 Ø10	264,000	TX40	10	50	300
TNXA410100	10 x 100 Ø10	315,200	TX40	30	50	300
TNXA410120	10 x 120 Ø10	387,467	TX40	50	50	300
TNXA410140	10 x 140 Ø10	459,467	TX40	70	50	300

T-NUX E A4

Stainless steel A4. Hexagonal washer head. ETA Assessed



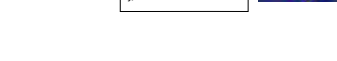
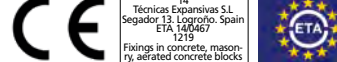
STAINLESS STEEL



CODE	SIZE	€/100			MAX. FIXTURE THICKNESS		
TNXE408080	8 x 80 Ø8	307,333	TX30	H10	10	50	600
TNXE408100	8 x 100 Ø8	364,267	TX30	H10	30	50	300
TNXE410080	10 x 80 Ø10	407,653	TX40	H13	10	50	300
TNXE410100	10 x 100 Ø10	425,733	TX40	H13	30	50	300
TNXE410120	10 x 120 Ø10	511,733	TX40	H13	50	50	300
TNXE410140	10 x 140 Ø10	596,933	TX40	H13	70	50	200

T-FUX E

Cylindrical head wall plug. Hexagonal cap screw. ETA Assessed.



MULTI-MATERIAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TFUXE10080	10 x 80 Ø10	103,467	TX40	10	50	300
TFUXE10100	10 x 100 Ø10	119,980	TX40	30	50	200
TFUXE10120	10 x 120 Ø10	164,877	TX40	50	50	200



Hammerfix assembled anchor, saw-tooth thread, polyamide 6.6

MULTI-MATERIAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	MIN. ORDER QTY.		
TCCA05025	5 x 25 Ø5	5,616	P22	5	400	100	2400
TCCA05030	5 x 30 Ø5	5,870	P22	5	400	100	2400
TCCA05035	5 x 35 Ø5	6,640	P22	10	400	100	2400
TCCA05050	5 x 50 Ø5	7,503	P22	25	200	100	1200
TCCA06035	6 x 35 Ø6	7,237	P22	10	400	100	1200
TCCA06040	6 x 40 Ø6	7,302	P22	10	400	100	1200
TCCA06050	6 x 50 Ø6	8,781	P22	20	200	100	1200
TCCA06060	6 x 60 Ø6	10,380	P22	30	200	100	1200
TCCA06070	6 x 70 Ø6	12,826	P22	40	200	100	1200
TCCA06080	6 x 80 Ø6	13,967	P22	50	200	100	1200
TCCA08060	8 x 60 Ø8	15,641	P23	20	200	100	600
TCCA08080	8 x 80 Ø8	19,805	P23	40	200	100	600
TCCA08100	8 x 100 Ø8	23,776	P23	60	100	100	600
TCCA08120	8 x 120 Ø8	27,965	P23	80	100	100	400
TCCA08140	8 x 135 Ø8	35,106	P23	100	100	100	300

TC-CA

Countersunk plug



02
P. 322

Technical info



ALSO AVAILABLE
easykits



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS	CODE	SIZE	€/BOX	PCS.	BOXES	CODE	SIZE	€/BAG	PCS.	BAGS
BZTCCA05030	5 x 30 Ø5	2,278	4	20	VTCCA05025	5 x 25 Ø5	2,625	30	8	LSTCCA05025	5 x 25 Ø5	2,719	30	10
BZTCCA05050	5 x 50 Ø5	2,278	4	20	VTCCA05030	5 x 30 Ø5	2,740	30	8	LSTCCA05030	5 x 30 Ø5	2,843	30	8
BZTCCA06040	6 x 40 Ø6	2,278	4	20	VTCCA05035	5 x 35 Ø5	2,985	30	8	LSTCCA05035	5 x 35 Ø5	3,179	30	7
BZTCCA06050	6 x 50 Ø6	2,278	4	20	VTCCA05050	5 x 50 Ø5	3,359	30	8	LSTCCA05050	5 x 50 Ø5	3,577	30	7
BZTCCA06060	6 x 60 Ø6	2,278	4	20	VTCCA06035	6 x 35 Ø6	3,240	30	8	LSTCCA06035	6 x 35 Ø6	3,448	30	7
BZTCCA06070	6 x 70 Ø6	2,278	4	20	VTCCA06040	6 x 40 Ø6	3,322	30	8	LSTCCA06040	6 x 40 Ø6	3,539	30	6
BZTCCA08060	8 x 60 Ø8	2,278	4	20	VTCCA06050	6 x 50 Ø6	3,488	30	8	LSTCCA06050	6 x 50 Ø6	3,506	25	6
BZTCCA08080	8 x 80 Ø8	2,278	4	20	VTCCA06060	6 x 60 Ø6	3,767	25	8	LSTCCA06060	6 x 60 Ø6	4,124	25	6
BZTCCA08100	8 x 100 Ø8	2,278	2	20	VTCCA06070	6 x 70 Ø6	4,651	25	8	LSTCCA06070	6 x 70 Ø6	4,651	25	6
BZTCCA08120	8 x 120 Ø8	2,278	2	20	VTCCA08060	8 x 60 Ø8	4,525	20	8	LSTCCA08060	8 x 60 Ø8	4,525	20	6
					VTCCA08080	8 x 80 Ø8	5,777	20	8	LSTCCA08080	8 x 80 Ø8	5,777	20	6

MULTI-MATERIAL



CODE	SIZE	€/JAR		MAX. FIXTURE THICKNESS	MIN. ORDER QTY.	PCS X JAR
TCCAEP5030	5 x 30 Ø5	41,107	P23	750	2 jars	5
TCCAEP6040	6 x 40 Ø6	34,410	P23	500	2 jars	10

TC-CA EP

Plastic boats



Hammerfix assembled anchor, saw-tooth thread, polyamide 6.6

MULTI-MATERIAL

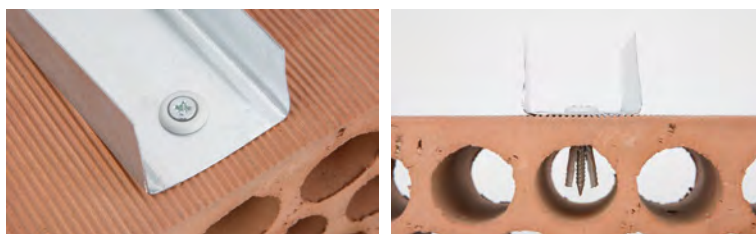


CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TCSP05027	5 x 27	7,207	P22	5	100	2.400
TCSP06032	6 x 32	8,827	P22	5	100	1.200
TCSP06040	6 x 40	8,967	P22	10	100	1.200



02
P. 322

Technical info



TC

Hammerfix assembled anchor, saw-tooth thread, polyamide 6.6

TC-CC

Cylindrical plug



02
P. 322

Technical
info



MULTI-MATERIAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	MIN. ORDER QTY.		
TCCC05025	5 x 25 Ø5	5,657	PZ2	5	400	100	2400
TCCC05030	5 x 30 Ø5	5,839	PZ2	5	400	100	2400
TCCC05035	5 x 35 Ø5	7,093	PZ2	10	400	100	2400
TCCC05050	5 x 50 Ø5	8,248	PZ2	25	200	100	1200
TCCC06035	6 x 35 Ø6	7,845	PZ2	10	400	100	1200
TCCC06040	6 x 40 Ø6	7,735	PZ2	10	400	100	1200
TCCC06050	6 x 50 Ø6	9,820	PZ2	20	200	100	1200
TCCC06060	6 x 60 Ø6	10,757	PZ2	30	200	100	1200
TCCC06070	6 x 70 Ø6	12,444	PZ2	40	200	100	1200
TCCC08060	8 x 60 Ø8	16,847	PZ3	20	200	100	600
TCCC08080	8 x 80 Ø8	20,626	PZ3	40	200	100	600
TCCC08100	8 x 100 Ø8	24,344	PZ3	60	100	100	600
TCCC08120	8 x 120 Ø8	29,677	PZ3	80	100	100	400
TCCC08140	8 x 140 Ø8	33,391	PZ3	100	100	100	300



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
LSTCCC05025	5 x 25 Ø5	2,719	30	10
LSTCCC05030	5 x 30 Ø5	2,843	30	8
LSTCCC05035	5 x 35 Ø5	3,212	30	7
LSTCCC05050	5 x 50 Ø5	3,577	30	7
LSTCCC06035	6 x 35 Ø6	3,467	30	7
LSTCCC06040	6 x 40 Ø6	3,539	30	6
LSTCCC06050	6 x 50 Ø6	3,523	25	6
LSTCCC06060	6 x 60 Ø6	4,124	25	6
LSTCCC06070	6 x 70 Ø6	4,695	25	6
LSTCCC08060	8 x 60 Ø8	4,525	20	6
LSTCCC08080	8 x 80 Ø8	5,781	20	6

TC-A2

Countersunk plug, stainless steel A2 screw



02
P. 323

Technical
info

STAINLESS STEEL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TCA205030	5 x 30 Ø5	24,990	PZ2	5	100	2.400
TCA206040	6 x 40 Ø6	38,087	PZ2	10	100	1.200
TCA206060	6 x 60 Ø6	47,380	PZ2	30	100	1.200
TCA208060	8 x 60 Ø8	74,570	PZ3	20	100	600
TCA208080	8 x 80 Ø8	87,480	PZ3	40	100	600
TCA208100	8 x 100 Ø8	108,393	PZ3	60	100	600

Nylon plug

TCA

MULTI-MATERIAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TC2A06060	6 X 60 Ø6	22,260	2	30	100	1.200
TC2A08060	8 X 60 Ø8	29,390	3	20	100	600
TC2A08080	8 x 80 Ø8	38,013	3	40	100	600
TC2A08100	8 x 100 Ø8	46,537	3	60	100	400
TC2A08120	8 x 120 Ø8	58,282	3	80	100	400
TC2A10065	10 x 65 Ø10	56,410	4	20	100	400
TC2A10080	10 x 80 Ø10	59,990	4	35	100	400
TC2A10100	10 x 100 Ø10	64,287	4	55	100	300
TC2A10115	10 x 115 Ø10	70,170	4	70	100	300
TC2A10135	10 x 135 Ø10	79,117	4	90	100	300
TC2A10160	10 x 160 Ø10	93,020	4	115	100	200

TC-2A

Two winged nylon plug with countersunk screw



02. Technical info
P. 323

MULTI-MATERIAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TC6A08080	8 x 80 Ø8	40,715	TX30	15	100	600
TC6A08100	8 x 100 Ø8	47,329	TX30	35	100	400
TC6A08120	8 x 120 Ø8	55,940	TX30	55	100	400
TC6A10100	10 x 100 Ø10	67,179	TX40	25	100	300
TC6A10120	10 x 120 Ø10	71,158	TX40	40	100	300
TC6A10140	10 x 140 Ø10	82,364	TX40	60	100	300
TC6A10160	10 x 160 Ø10	96,648	TX40	85	100	200
TC6A10200	10 x 200 Ø10	160,532	TX40	125	100	-

TC-6A

Two winged nylon plug with countersunk screw



02. Technical info
P. 324

MULTI-MATERIAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TC6E08080	8 x 80 Ø8	45,770	10	15	100	600
TC6E08100	8 x 100 Ø8	53,359	10	35	100	400
TC6E08120	8 x 120 Ø8	63,431	10	55	100	300
TC6E10100	10 x 100 Ø10	77,086	13	25	100	300
TC6E10120	10 x 120 Ø10	78,615	13	40	100	300
TC6E10140	10 x 140 Ø10	94,341	13	60	100	200
TC6E10160	10 x 160 Ø10	110,885	13	85	100	200
TC6E10200	10 x 200 Ø10	186,926	13	125	100	-

TC-6E

Two winged nylon plug with countersunk screw



02. Technical info
P. 324

TA-PL

Plastic plug, polypropylene

MULTI-MATERIAL


02
Technical
info
P. 324

CODE	SIZE	€/100	MIN. ORDER QTY.		
TACOP05	5 x 21 Ø 5	1,887	1.000	25	1000
TACOP06	6 x 22 Ø 6	2,120	1.000	25	1000
TACOP07	7 x 24 Ø 7	2,337	1.000	25	1000
TACOP08	8 x 27 Ø 8	2,530	1.000	25	1000
TACOP09	9 x 30 Ø 9	3,563	1.000	25	1000
TACOP10	10 x 35 Ø 10	4,343	1.000	25	1000
TACOP11	10 x 45 Ø 10	5,824	500	25	500
TACOP12	12 x 50 Ø 12	6,701	500	25	500
TACOP14	14 x 55 Ø 14	8,771	500	25	500

TACON

Nylon plug

Blister Kits

BZ TACON + AL-HA


Ny
NYLON

Z
ZINC

CODE	SIZE	€/BAG	PCS. 	BAGS
BZALHAT04	4 x 20 Ø4 & 16 x 30 / 3,1 x 25	1,803	6	20
BZALHAT05	5 x 25 Ø5 & 19 x 70 / 4,4 x 50	1,803	6	20
BZALHAT06	6 x 30 Ø6 & 20 x 80 / 5 x 55	1,803	6	15
BZALHAT08	8 x 40 Ø8 & 21 x 100 / 5,6 x 60	1,803	4	15

AVAILABLE
KITS
BLISTER

BZ TACON + AL-HC


Ny
NYLON

Z
ZINC

CODE	SIZE	€/BAG	PCS. 	BAGS
BZALHCT04	4 x 20 Ø4 & 16 x 30 / 3,1 x 25	1,803	6	20
BZALHCT05	5 x 25 Ø5 & 19 x 70 / 4,4 x 50	1,803	6	20
BZALHCT06	6 x 30 Ø6 & 20 x 80 / 5 x 55	1,803	6	15
BZALHCT08	8 x 40 Ø8 & 21 x 100 / 5,6 x 60	1,803	4	15

BZ TACON + AL-RO


Ny
NYLON

Z
ZINC

CODE	SIZE	€/BAG	PCS. 	BAGS
BZALROT04	4 x 20 Ø4 & 16 x 30 / 3,1 x 20	1,803	6	20
BZALROT05	5 x 25 Ø5 & 17 x 40 / 3,5 x 29	1,803	6	20
BZALROT06	6 x 30 Ø6 & 19 x 60 / 4,4 x 46	1,803	6	20
BZALROT08	8 x 40 Ø8 & 20 x 80 / 5 x 63	1,803	4	15

BZ TACON + TP-PO


Ny
NYLON

B
YELLOW

CODE	SIZE	€/BAG	PCS. 	BAGS
BZTPPOT04	4 x 20 Ø4 & 2,5 x 25	1,803	6	20
BZTPPOT05	5 x 25 Ø5 & 3,5 x 20	1,803	6	20
BZTPPOT06	6 x 30 Ø6 & 4,5 x 40	1,803	6	20
BZTPPOT08	8 x 40 Ø8 & 6 x 50	1,803	4	15



Nylon plug

TACON

MULTI-MATERIAL



CODE	SIZE	€/100	SCREW SIZE (MM)	MIN. ORDER QTY.		
TACON04	4 x 20 Ø 4	2,240	TPPO 2,5-3	400	100	8000
TACON05	5 x 25 Ø 5	1,617	TPPO 2,5-4	400	100	8000
TACON06	6 x 30 Ø 6	1,660	TPPO 3,5-4	400	100	9000
TACON07	7 x 30 Ø 7	3,467	TPPO 4-4,5	400	100	5000
TACON08	8 x 40 Ø 8	3,270	TPPO 4,5 , TB 5-6	400	100	5000
TACON10	10 x 50 Ø 10	5,510	TB 6-8	200	50	2500
TACON12	12 x 60 Ø 12	10,100	TB 8-10	100	25	1250
TACON14	14 x 70 Ø 14	16,327	TB 10-12	80	20	1000
TACON16	16 x 80 Ø 16	92,553	TB 12-14	40	10	500



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZTACON04	4 x 20 Ø4	1,803	25	15
BZTACON05	5 x 25 Ø5	1,803	25	15
BZTACON06	6 x 30 Ø6	1,803	25	15
BZTACON08	8 x 40 Ø8	1,803	15	10
BZTACON10	10 x 50 Ø10	1,803	10	10
BZTACON12	12 x 60 Ø12	1,803	5	10

MULTI-MATERIAL



CODE	SIZE	€/100	SCREW SIZE (MM)	MIN. ORDER QTY.		
TACOL05	5 x 25 Ø 5	1,907	TPPO 2,5-4	400	100	8000
TACOL06	6 x 30 Ø 6	2,023	TPPO 3,5-4	400	100	9000
TACOL08	8 x 40 Ø 8	3,977	-	400	100	5000
TACOL10	10 x 50 Ø 10	7,143	TPPO 4,5 , TB 5-6	200	50	2500
TACOL12	12 x 60 Ø 12	15,517	TB 6-8	100	25	1250

MULTI-MATERIAL



CODE	SIZE	€/100	SCREW SIZE		
TACOLA06	6 x 30 Ø6	2,346	TPPO 3,5-4	100	2400

MULTI-MATERIAL



CODE	SIZE	€/100	SCREW SIZE	
TACONG05	5 x 25 Ø 5	1,433	TPPO 2,5-4	15.000
TACONG06	6 x 30 Ø 6	1,530	TPPO 3,5-4	10.000
TACONG08	8 x 40 Ø 8	2,897	TPPO 4,5 , TB 5-6	5.000
TACONG10	10 x 50 Ø 10	4,880	TB 6-8	2.000
TACONG12	12 x 60 Ø 12	8,977	TB 8-10	1.500
TACONG14	14 x 70 Ø 14	14,340	TB 10-12	1.000

BULK
PACKAGING

TACON

Nylon plug


 02
P. 325
Technical
info

TACOL

Nylon plug with collar



TACOL-A

Nylon plug with wide collar



TACON-G

Big box



AIS

Fixing plug for insulation panels

AIS

Plug



MULTI-MATERIAL



CODE	SIZE	€/100	WASHER Ø		
AIS08080	8 x 80 Ø8	16,842	38	100	200
AIS08100	8 x 100 Ø8	19,370	38	100	-
AIS08120	8 x 110 Ø8	21,495	38	100	-
AIS08140	8 x 130 Ø8	22,013	38	100	-

AIS-C

Plug with nail



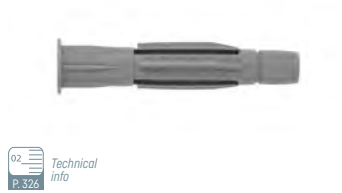
MULTI-MATERIAL



CODE	SIZE	€/100	WASHER Ø	
AISC10070	10 x 70 Ø10	20,100	55	100
AISC10090	10 x 90 Ø10	22,123	55	100
AISC10110	10 x 110 Ø10	25,907	55	100
AISC10130	10 x 130 Ø10	28,457	55	100

MEDU

Universal plug with collar and knot-like segment



HOLLOWS



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS	SCREW SIZE	MIN. ORDER QTY.		
MEDUB06	6 x 35 Ø6	3,277	10	TPPO 3,5-4	600	150	2400
MEDUB07	8 x 42 Ø8	6,604	8	TPPO 4-4,5	400	100	1600
MEDUB08	8 x 50 Ø8	5,592	12	TPPO 4-4,5	320	80	1200
MEDUB10	10 x 60 Ø10	8,306	11	TPPO 5-6; TB 5,6,7	200	50	800



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZMEDUB06	6 x 35 Ø6	2,278	10	20
BZMEDUB08	8 x 50 Ø8	2,278	10	20
BZMEDUB10	10 x 60 Ø10	2,278	6	20

T4S

4-way expansion plug for all materials

TN4S EP

Plastic jar



MULTI-MATERIAL



CODE	SIZE	€/JAR	MIN. ORDER QTY.	PCS X JAR
TN4S06EP	6 x 30 Ø6	32,844	2 jars	1.000
TN4S08EP	8 x 40 Ø8	26,389	2 jars	500
TN4S10EP	10 x 50 Ø10	28,152	2 jars	300

4-way expansion plug for all materials

T4S

MULTI-MATERIAL



CODE	SIZE	€/100	SCREW SIZE (Ø L)	MIN. ORDER QTY.		
TN4S05	5 x 25 Ø5	3,468	Ø2,5 - Ø4 L: 30 mm.	400	100	4200
TN4S06	6 x 30 Ø6	3,570	Ø3,5 - Ø4,5 L: 50 mm.	400	100	3200
TN4S08	8 x 40 Ø8	5,681	Ø4,5 - Ø6 L: 50 mm.	400	100	1600
TN4S10	10 x 50 Ø10	10,200	Ø6 - Ø8 L: 60 mm.	200	50	800
TN4S12	12 x 60 Ø12	20,839	Ø8 - Ø10 L: 70 mm.	50	25	400
TN4S14	14 x 70 Ø14	27,080	Ø10 - Ø12 L: 80 mm.	40	20	320



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZTN4S05	5 x 25 Ø5	2,278	25	15
BZTN4S06	6 x 30 Ø6	2,278	25	15
BZTN4S08	8 x 40 Ø8	2,278	15	10
BZTN4S10	10 x 50 Ø10	2,278	10	10
BZTN4S12	12 x 60 Ø12	2,278	6	10

Product sold in box
with windowTechnical
info

TN4S

Window Box



Kits



Blister



CODE	SIZE	€/BAG	PCS. 	BAGS
BZALHATS05	5 x 25 Ø5 & 19 x 70 / 4,4 x 50	2,278	6	20
BZALHATS06	6 x 30 Ø6 & 20 x 80 / 5 x 53	2,278	6	15
BZALHATS08	8 x 40 Ø8 & 21 x 100 / 5,6 x 60	2,278	4	20

BZ T4S + AL-HA



Blister



CODE	SIZE	€/BAG	PCS. 	BAGS
BZALHCTS05	5 x 25 Ø5 & 19 x 70 / 4,4 x 50	2,278	6	20
BZALHCTS06	6 x 30 Ø6 & 20 x 80 / 5 x 53	2,278	6	15
BZALHCTS08	8 x 40 Ø8 & 21 x 100 / 5,6 x 60	2,278	4	20

BZ T4S + AL-HC



Blister



CODE	SIZE	€/BAG	PCS. 	BAGS
BZALROTS05	5 x 25 Ø5 & 18 x 50 / 4,1 x 37	2,278	6	20
BZALROTS06	6 x 30 Ø6 & 19 x 60 / 4,4 x 46	2,278	6	20
BZALROTS08	8 x 40 Ø8 & 20 x 80 / 5 x 63	2,278	4	20

BZ T4S + AL-RO



Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VTBTS08	5 x 25 Ø8 & 6 x 60	5,789	25	8
VTBTS10	10 x 50 Ø10 & 7 x 70	6,003	15	8
VTBTS12	12 x 60 Ø12 & 7 x 70	5,775	10	8



Blister



CODE	SIZE	€/BAG	PCS. 	BAGS
BZTBT510	10 x 50 Ø10 & 7 x 70	2,278	4	20

BZ T4S + DIN-571



Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VTTPOTS05	5 x 25 Ø5 & 4 x 30	4,107	40	8
VTTPOTS06	6 x 30 Ø6 & 4,5 x 40	4,284	32	8
VTTPOTS08	8 x 40 Ø8 & 5 x 60	4,525	20	8



Blister



CODE	SIZE	€/BAG	PCS. 	BAGS
BZTPPOTS05	5 x 25 Ø5 & 4 x 30	2,278	6	20
BZTPPOTS06	6 x 30 Ø6 & 4,5 x 40	2,278	6	20
BZTPPOTS08	8 x 40 Ø8 & 5 x 60	2,278	6	15

BZ T4S + TP-PO



AVAILABLE
KITS
BLISTER
&
WINDOW
BOX

EPN

Nylon plastic anchor for fixing windows and door frames

MULTI-MATERIAL



02
P. 326
Technical
info

CODE	SIZE	€/100	RECESS		
EPN08080	8 x 80 Ø8	33,576	PZ3	100	600
EPN08100	8 x 100 Ø8	36,360	PZ3	100	600
EPN08120	8 x 120 Ø8	42,750	PZ3	100	600
EPN08140	8 x 140 Ø8	44,356	PZ3	100	600
EPN10100	10 x 100 Ø10	49,884	PZ3	100	600
EPN10120	10 x 120 Ø10	58,920	PZ3	100	600
EPN10140	10 x 140 Ø10	65,727	PZ3	100	400
EPN10165	10 x 165 Ø10	81,753	PZ3	100	300

IPA

Nylon plug for use in hollow bricks or solid materials

IPA-GR

Square bend hook

MULTI-MATERIAL



02
P. 327
Technical
info

CODE	SIZE	€/100	WASHER Ø	MIN. ORDER QTY.		
IPAGR09	M4 x 40 Ø9	37,050	20	100	50	800
IPAGR12	M5 x 45 Ø12	49,579	25	50	25	400

IPA-GN

Hook

MULTI-MATERIAL



02
P. 327
Technical
info

CODE	SIZE	€/100	WASHER Ø	MIN. ORDER QTY.		
IPAGN09	M4 x 40 Ø9	43,309	20	80	40	640
IPAGN12	M5 x 45 Ø12	59,340	25	40	20	320

IPA-AR

Eye bolt

MULTI-MATERIAL



02
P. 327
Technical
info

CODE	SIZE	€/100	WASHER Ø	MIN. ORDER QTY.		
IPAAR09	M4 x 40 Ø9	43,224	20	80	40	640
IPAAR12	M5 x 45 Ø12	59,109	25	40	20	320

IPA-TO

Screw

MULTI-MATERIAL



02
P. 327
Technical
info

CODE	SIZE	€/100	WASHER Ø	MIN. ORDER QTY.		
IPATO09	M4 x 40 Ø9	33,935	20	140	70	1120
IPATO12	M5 x 45 Ø12	46,464	25	70	35	560



FIXINGS FOR HOLLOW MATERIALS



PA-LO

Spring toggle

PA-ES

Threaded bar

02
P. 327
Technical
info

HOLLOWS



CODE	SIZE	€/100		
PAESM04	M4 Ø12	37,190	50	300
PAESM05	M5 Ø15	42,436	50	300
PAESM06	M6 Ø18	52,921	50	200
PAESM08	M8 Ø22	94,197	50	150



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
BZPAESM04	M4 Ø12	3,136	2	12
BZPAESM05	M5 Ø15	3,136	2	12
BZPAESM06	M6 Ø18	3,136	2	10

CODE	SIZE	€/BOX	PCS.	BOXES
VPAESM04	M4 Ø12	3,378	6	8
VPAESM05	M5 Ø15	3,817	6	8
VPAESM06	M6 Ø18	3,234	4	8

CODE	SIZE	€/BAG	PCS.	BAGS
LSPAESM04	M4 Ø12	3,313	6	6
LSPAESM05	M5 Ø15	3,780	6	6
LSPAESM06	M6 Ø18	3,172	4	6

PA-GA

Hook

02
P. 327
Technical
info

HOLLOWS



CODE	SIZE	€/100		
PAGAM04	M4 Ø12	39,799	50	300
PAGAM05	M5 Ø15	45,445	50	300
PAGAM06	M6 Ø18	63,862	50	200
PAGAM08	M8 Ø22	107,222	50	150



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
BZPAGAM04	M4 Ø12	3,136	2	12
BZPAGAM05	M5 Ø15	3,136	2	12
BZPAGAM06	M6 Ø18	3,136	2	10

CODE	SIZE	€/BOX	PCS.	BOXES
VPAGAM04	M4 Ø12	3,313	6	8
VPAGAM05	M5 Ø15	3,825	6	8
VPAGAM06	M6 Ø18	3,471	4	8

CODE	SIZE	€/BAG	PCS.	BAGS
LSPAGAM04	M4 Ø12	3,543	6	6
LSPAGAM05	M5 Ø15	4,029	6	6
LSPAGAM06	M6 Ø18	3,791	4	6

CA-PA

Spring toggle head



HOLLOWS



CODE	SIZE	€/100		
CAPA004	M4 Ø12	14,966	100	2.400
CAPA005	M5 Ø15	17,338	100	1.200
CAPA006	M6 Ø18	20,415	100	600
CAPA008	M8 Ø22	45,876	100	400



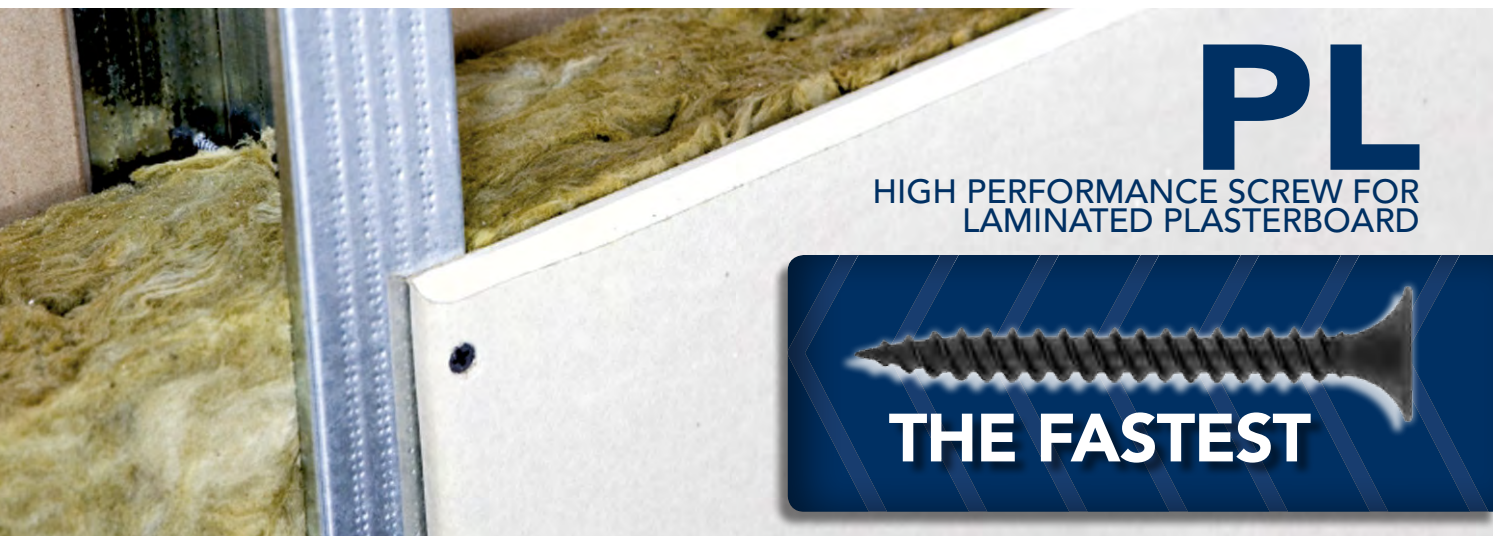
Window Box



Self-Service

CODE	SIZE	€/BOX	PCS.	BOXES
VCAPA004	M4 Ø12	5,277	24	8
VCAPA005	M5 Ø15	5,199	20	8
VCAPA006	M6 Ø18	4,590	15	8

CODE	SIZE	€/BAG	PCS.	BAGS
LSCAPA004	M4 Ø12	5,277	24	8
LSCAPA005	M5 Ø15	5,199	20	7
LSCAPA006	M6 Ø18	4,590	15	7





Gravity toggle for fixing lightweight in ceilings

BA-NO



HOLLOWS



CODE	SIZE	€/100		
BAESM04	M4 Ø14	47,620	50	300
BAESM05	M5 Ø14	51,347	50	300
BAESM06	M6 Ø16	68,088	50	200
BAESM08	M8 Ø20	111,982	50	200



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
BZBAESM04	M4 Ø14	3,136	2	12
BZBAESM05	M5 Ø14	3,136	2	12
BZBAESM06	M6 Ø16	3,136	2	10

CODE	SIZE	€/BOX	PCS.	BOXES
VBAESM04	M4 Ø14	4,400	6	8
VBAESM05	M5 Ø14	4,529	6	8
VBAESM06	M6 Ø16	3,934	4	8

CODE	SIZE	€/BAG	PCS.	BAGS
LSBAESM04	M4 Ø14	4,400	6	6
LSBAESM05	M5 Ø14	4,529	6	6
LSBAESM06	M6 Ø16	3,934	4	6

HOLLOWS



CODE	SIZE	€/100		
BAGAM04	M4 Ø14	49,531	50	300
BAGAM05	M5 Ø14	55,617	50	300
BAGAM06	M6 Ø16	69,507	50	200
BAGAM08	M8 Ø20	116,263	50	150



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
BZBAGAM04	M4 Ø14	3,136	2	12
BZBAGAM05	M5 Ø14	3,136	2	12
BZBAGAM06	M6 Ø16	3,136	2	10

CODE	SIZE	€/BOX	PCS.	BOXES
VBAGAM04	M4 Ø14	4,434	6	8
VBAGAM05	M5 Ø14	4,774	6	8
VBAGAM06	M6 Ø16	3,995	4	8

CODE	SIZE	€/BAG	PCS.	BAGS
LSBAGAM04	M4 Ø14	4,434	6	6
LSBAGAM05	M5 Ø14	4,774	6	6
LSBAGAM06	M6 Ø16	3,995	4	6

HOLLOWS



CODE	SIZE	€/100		
CABA004	M4 Ø14	23,085	100	1.200
CABA005	M5 Ø14	25,509	100	1.200
CABA006	M6 Ø16	29,746	100	600
CABA008	M8 Ø20	51,722	100	400



Window Box



Self-Service

CODE	SIZE	€/BOX	PCS.	BOXES
VCABA004	M4 Ø14	6,667	20	8
VCABA005	M5 Ø14	7,440	20	8
VCABA006	M6 Ø16	6,414	15	8

CODE	SIZE	€/BAG	PCS.	BAGS
LSCABA004	M4 Ø14	6,733	20	6
LSCABA005	M5 Ø14	7,368	20	6
LSCABA006	M6 Ø16	6,445	15	7

BA-ES

Threaded bar

02
P. 328Technical
info

PATENT

ALSO AVAILABLE
easykits

BA-GA

Hook

02
P. 328Technical
info

PATENT

ALSO AVAILABLE
easykits

CA-BA

Toggle head



PATENT

ALSO AVAILABLE
easykits

IN

Indemoll hollow wall anchor for use in hollow elements

INPIN

Pliers



HOLLOWS



CODE	SIZE	€/100		
INPINZANI	Pinza / Pliers / Pince	1.021,503	1	20

INPIS

Gun



HOLLOWS



CODE	SIZE	€/100		
INPISANIN	Pistola / Gun / Pistolet	2.501,863	1	10

KITINPIN01

D.I.Y. solutions for hollow materials

Possible applications...

simple steps



Indemoll hollow wall anchor for use in hollow elements

KIT CONTENTS


M-5 x 37
ø 10 x20

M-4 x 32
ø 8 x20


Pliers x1

Código KITINPIN01 Price: 23.507€/u.





Indemoll hollow wall anchor for use in hollow elements

IN

HOLLOW



CODE	SIZE	€/100	MIN. SUBSTRATE THICKNESS		
INCO421	M4 x 21 Ø7	21,897	1-4	100	2.400
INCO432	M4 x 32 Ø7	22,250	3-9	100	1.200
INCO438	M4 x 38 Ø7	24,173	8-15	100	1.200
INCO446	M4 x 46 Ø7	26,297	16-21	100	1.200
INCO459	M4 x 59 Ø7	29,680	32-38	100	1.200
INCO537	M5 x 37 Ø9	30,540	5-13	100	1.200
INCO552	M5 x 52 Ø9	32,747	5-16	100	600
INCO565	M5 x 56 Ø9	38,877	16-32	100	600
INCO580	M5 x 80 Ø9	43,593	32-45	100	600
INCO637	M6 x 37 Ø10	34,820	5-13	100	1.200
INCO652	M6 x 52 Ø10	40,447	5-16	100	600
INCO665	M6 x 65 Ø10	45,077	16-32	100	600
INCO680	M6 x 80 Ø10	59,193	32-45	100	600

IN-CO

With panhead screw



02
P. 328

Technical info



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS	CODE	SIZE	€/BOX	PCS.	BOXES	CODE	SIZE	€/BAG	PCS.	BAGS
BZINCO432	M4 x 32 Ø7	2,278	2	20	VINCO432	M4 x 32 Ø7	4,507	15	8	LSINCO432	M4 x 32 Ø8	8,113	30	6
BZINCO438	M4 x 38 Ø7	2,278	2	20	VINCO438	M4 x 38 Ø7	4,897	15	8	LSINCO438	M4 x 38 Ø8	8,813	30	6
BZINCO537	M5 x 37 Ø9	2,278	2	20	VINCO446	M4 x 46 Ø7	5,327	15	8	LSINCO446	M4 x 46 Ø8	9,587	30	6
BZINCO552	M5 x 52 Ø9	2,278	2	15	VINCO537	M5 x 37 Ø9	6,187	15	8	LSINCO537	M5 x 37 Ø10	9,280	25	6
BZINCO565	M5 x 56 Ø9	2,278	2	15	VINCO552	M5 x 52 Ø9	5,307	12	8	LSINCO552	M5 x 52 Ø10	7,163	18	7
BZINCO637	M6 x 37 Ø10	2,278	2	15	VINCO637	M6 x 37 Ø10	4,703	10	8	LSINCO637	M6 x 37 Ø12	8,463	20	7
BZINCO652	M6 x 52 Ø10	2,278	2	15	VINCO652	M6 x 52 Ø10	5,460	10	8	LSINCO652	M6 x 52 Ø12	7,373	15	7

HOLLOW



CODE	SIZE	€/100	SET OF BASE MATERIAL AND ELEMENT TO BE FASTENED		
INHE837	M8 x 37 Ø12	81,133	5-13	100	600
INHE855	M8 x 55 Ø12	93,327	5-16	100	400
INHE865	M8 x 65 Ø12	111,120	16-32	100	400

IN-HE

With hexagonal screw



02
P. 328

Technical info

HOLLOW



CODE	SIZE	€/100	MIN. SUBSTRATE THICKNESS		
INSI421	M4 x 21 Ø7	17,617	1-4	100	2.400
INSI432	M4 x 32 Ø7	19,177	3-9	100	2.400
INSI438	M4 x 38 Ø7	20,850	8-15	100	2.400
INSI446	M4 x 46 Ø7	22,327	16-21	100	1.200
INSI459	M4 x 59 Ø7	26,537	32-38	100	1.200
INSI537	M5 x 37 Ø9	24,613	5-13	100	1.200
INSI552	M5 x 52 Ø9	28,853	5-16	100	600
INSI565	M5 x 65 Ø9	32,007	16-32	100	600
INSI580	M5 x 80 Ø9	36,433	32-45	100	600
INSI637	M6 x 37 Ø10	29,833	1-2	100	1.200
INSI652	M6 x 52 Ø10	36,433	5-13	100	600
INSI665	M6 x 65 Ø10	40,817	16-32	100	600
INSI680	M6 x 80 Ø10	53,540	32-45	100	600
INSI865	M8 x 65 Ø12	70,910	16-32	100	400

IN-SI

Without screw



• Availability: end of stock



ANCLA

Nylon anchor for use in hollow bricks and plasterboard panel walls

02
P. 329
Technical
info

HOLLOWS



CODE	SIZE	€/100	MIN. SUBSTRATE THICKNESS	MIN. ORDER QTY.		
ANCLA40	10 x 40 Ø10	11,110	4-12	200	100	600
ANCLA47	10 x 47 Ø10	12,977	15-19	200	100	600



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZANCLA40	10 x 40 Ø10	2,278	4	12
BZANCLA47	10 x 47 Ø10	2,278	4	12

* Recomendado usar para tornillo TPPO 4,0

TAPLA

Anchor for hollow bricks and plasterboard panel walls

TAPLA NY

Nylon plug

02
P. 329
Technical
info

HOLLOWS



CODE	SIZE	€/100		MIN. SUBSTRATE THICKNESS	SCREW SIZE	MIN. ORDER QTY.		
TAPLANY	15 x 33	11,497	PH3	9-16	TPPO 4,5 x 40 DIN 7981 4,2 x 38	200	100	1600



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZTAPLANY	15 x 33	2,278	4	15

ALSO AVAILABLE
easykits

TAPLA ME

Zamak plug with DIN 7981 4,2 x 32

02
P. 329
Technical
info

HOLLOWS



CODE	SIZE	€/100		MIN. SUBSTRATE THICKNESS	SCREW SIZE	MIN. ORDER QTY.		
TAPLAME	13 x 32	23,460	PH2/PH3	9-16	DIN 7981 4,2 x 32	200	100	1600



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZTAPLAME	13 x 32	3,136	4	15

TAPLA ZK

Zamak plug

02
P. 329
Technical
info

HOLLOWS



CODE	SIZE	€/100		MIN. SUBSTRATE THICKNESS	SCREW SIZE	MIN. ORDER QTY.		
TAPLAZK	13 x 37	26,087	PZ3	9-16	TPPO 4,5 x 50 DIN 7981 4,2 x 38	200	100	1600



4-way expansion plug for all materials

T4S

MULTI-MATERIAL



Plasterboard



Stone



Hollow brick



Adobe Brick



Solid brick



Hollow concrete



Concrete



kg.



Nylon

CODE	SIZE	€/100	SCREW SIZE (Ø L)	MIN. ORDER QTY.		
TN4S05	5 x 25 Ø5	3,468	Ø2,5 - Ø4 L: 30 mm.	400	100	4200
TN4S06	6 x 30 Ø6	3,570	Ø3,5 - Ø4,5 L: 50 mm.	400	100	3200
TN4S08	8 x 40 Ø8	5,681	Ø4,5 - Ø6 L: 50 mm.	400	100	1600
TN4S10	10 x 50 Ø10	10,200	Ø6 - Ø8 L: 60 mm.	200	50	800
TN4S12	12 x 60 Ø12	20,839	Ø8 - Ø10 L: 70 mm.	50	25	400
TN4S14	14 x 70 Ø14	27,080	Ø10 - Ø12 L: 80 mm.	40	20	320



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZTN4S05	5 x 25 Ø5	2,278	25	15
BZTN4S06	6 x 30 Ø6	2,278	25	15
BZTN4S08	8 x 40 Ø8	2,278	15	10
BZTN4S10	10 x 50 Ø10	2,278	10	10
BZTN4S12	12 x 60 Ø12	2,278	6	10

TN4S

Window box


02
P. 326

Technical
info

Universal plug with collar and knot-like segment

MEDU

HOLLOWS



Plasterboard



Stone



Hollow brick



Solid brick



Aerated concrete



Hollow concrete



Concrete



kg.



POLYPROPYLENE

CODE	SIZE	€/100	MAX. FIXTURE THICKNESS	SCREW SIZE	MIN. ORDER QTY.		
MEDUB06	6 x 35 Ø6	3,277	10	TPPO 3,5-4	600	150	2400
MEDUB07	8 x 42 Ø8	6,604	8	TPPO 4-4,5	400	100	1600
MEDUB08	8 x 50 Ø8	5,592	12	TPPO 4-4,5	320	80	1200
MEDUB10	10 x 60 Ø10	8,306	11	TPPO 5-6; TB 5,6,7	200	50	800



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZMEDUB06	6 x 35 Ø6	2,278	10	20
BZMEDUB08	8 x 50 Ø8	2,278	10	20
BZMEDUB10	10 x 60 Ø10	2,278	6	20


02
P. 326

Technical
info

LOAD COMPARISON TABLE FOR
LAMINATED PLASTERBOARD FIXINGS




FIXINGS & ACCESSORIES FOR DRYWALL

PL-RA

Drywall screw for plasterboard, with bugle head, coarse thread, S-point



HOLLOWES



CODE	SIZE	€/100		MIN. ORDER QTY.		
PLRA3925	3,9 x 25	1,601	PH2	2.000	1000	12000
PLRA3935	3,9 x 35	2,106	PH2	2.000	1000	6000
PLRA3945	3,9 x 45	2,646	PH2	1.000	500	3000
PLRA3955	3,9 x 55	3,240	PH2	1.000	500	3000
PLRA4835	4,8 x 35	3,210	PH2	2.000	1000	6000

PL-TR

Drywall screw for plasterboard, with bugle head, self drilling



HOLLOWES



CODE	SIZE	€/100		DRILL CAPACITY	MIN. ORDER QTY.		
PLTR3525	3,5 x 25	1,867	PH2	0,8 - 3	2.000	1000	12000
PLTR3535	3,5 x 35	2,338	PH2	0,8 - 3	2.000	1000	6000
PLTR3545	3,5 x 45	2,971	PH2	0,8 - 3	1.000	500	6000

PL-CA

Drywall screw for plasterboard, with wide head



HOLLOWES



CODE	SIZE	€/100				
PLCAZ4213	4,2 x 13	2,363	PH2		1.000	12.000
PLCAZ4216	4,2 x 16	2,565	PH2		1.000	12.000
PLCAZ4219	4,2 x 19	2,762	PH2		1.000	12.000
PLCAZ4225	4,2 x 25	3,145	PH2		1.000	6.000
PLCAZ4232	4,2 x 32	3,713	PH2		500	6.000
PLCAZ4241	4,2 x 41	4,215	PH2		500	3.000
PLCAZ4251	4,2 x 51	5,012	PH2		200	2.400

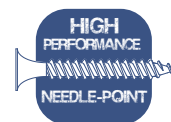




Drywall screw for plasterboard, with bugle head, twinfast thread, S-point. Black-phosphated. PH recess

PL

HOLLOWS



CODE	SIZE	€/100		DRILL CAPACITY	MIN. ORDER QTY.		
PL35019	3,5 x 19	1,607	PH2	< 0.6	2.000	1000	12000
PL35025	3,5 x 25	1,559	PH2	< 0.6	2.000	1000	12000
PL35035	3,5 x 35	2,005	PH2	< 0.6	2.000	1000	6000
PL35045	3,5 x 45	2,520	PH2	< 0.6	1.000	500	3000
PL35055	3,5 x 55	3,183	PH2	< 0.6	1.000	500	3000
PL39025	3,9 x 25	1,923	PH2	< 0.6	2.000	1000	12000
PL39035	3,9 x 35	2,819	PH2	< 0.6	2.000	1000	6000
PL39045	3,9 x 45	3,183	PH2	< 0.6	1.000	500	3000
PL39055	3,9 x 55	4,436	PH2	< 0.6	1.000	500	3000
PL42070	4,2 x 70	5,003	PH2	< 0.6	500	500	3000
PL42080	4,2 x 80	5,493	PH2	< 0.6	500	500	2000
PL48090	4,8 x 90	12,096	PH2	< 0.6	500	500	1500
PL48100	4,8 x 100	14,619	PH2	< 0.6	500	500	1000
PL48110	4,8 x 110	16,164	PH2	< 0.6	500	500	1000
PL48120	4,8 x 120	17,901	PH2	< 0.6	500	500	1000
PL48130	4,8 x 130	19,666	PH2	< 0.6	500	500	1000



Blister



Window Box

CODE	SIZE	€/BAG	PCS.	BAGS
BZPL35025	3,5 x 25	2,278	50	10
BZPL35035	3,5 x 35	2,278	40	10
BZPL35045	3,5 x 45	2,278	25	10

CODE	SIZE	€/BOX	PCS.	BOXES
VPL35025	3,5 x 25	5,349	250	8
VPL35035	3,5 x 35	6,764	250	8
VPL35045	3,5 x 45	5,109	150	8



13
Técnicas Expansivas S.L.
Segador 13. Logroño.
Spain
EN 14566
Fixing of plasterboard
Reaction to fire: class A1
Flexural strength: pass

FREE

1 bit inside each box



HOLLOWS



PL-EP

Plastic jar

CODE	SIZE	€/JAR		DRILL CAPACITY	MIN. ORDER QTY.	PCS X JAR
PLEP35025	3,5 x 25	64,267	PH2	< 0.6	1 jar	4.000
PLEP35035	3,5 x 35	62,000	PH2	< 0.6	1 jar	3.000



13
Técnicas Expansivas S.L.
Segador 13. Logroño.
Spain
EN 14566
Fixing of plasterboard
Reaction to fire: class A1

MORE PRODUCTS FOR FIXING DRYWALL



DIN-7504-N HP Z
P. 131



RS
P. 135



TN4S
P. 95



TC-CA
P. 89



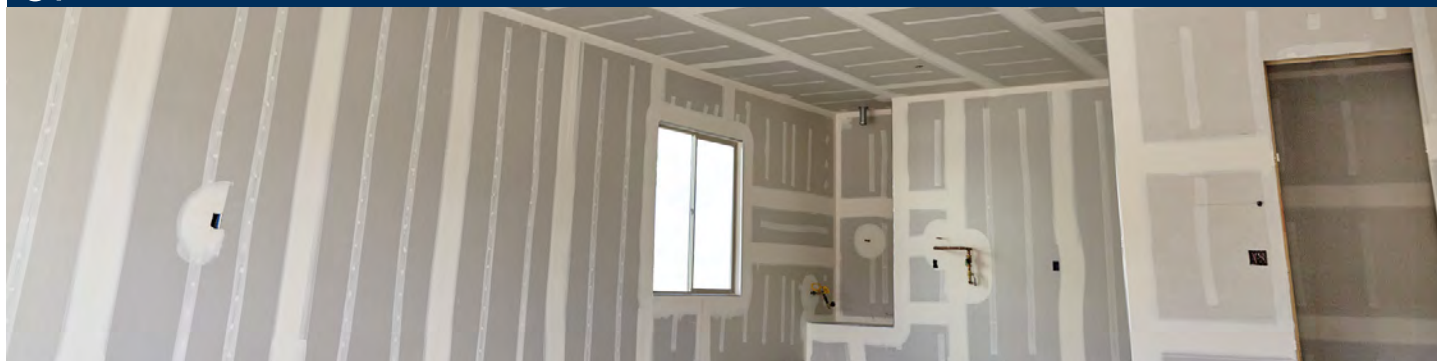
TC-SP
P. 109



TAEZ
P. 136

CP

Tape for plasterboards



CP-PA

Paper tape for joints



CE

Roll of microperforated paper tape to facilitate air release during placement.
Central fold to facilitate its installation
High resistance.

CODE	ROLL LENGTH	WIDTH	€/1PC	
CPPA023	23 m	50 mm	2,975	20 rollos
CPPA075	75 m	50 mm	5,760	20 rollos
CPPA150	150 m	50 mm	8,617	10 rollos

CP-GV

Reinforced tape



CE

Microperforated to facilitate air release during placement.
It has two flexible metallic strips that have been treated against corrosion and enable a straight and continuous fold along the length of the tape.

CODE	ROLL LENGTH	€/1PC		
CPGV012	12,5 m	12,726	1	20 rollos
CPGV030	30 m	17,675	1	10 rollos

CP-AC

Adhesive acoustic band



Adhesive on one side for more rapid work as it adheres directly to the profile.
Particularly recommended for acoustic insulation.
No paper.

CODE	SIZE	WIDTH	€/1PC	
CPAC300453	30m x 45 x 3	45 mm	13,328	23 rollos
CPAC300703	30m x 70 x 3	70 mm	20,136	15 rollos

CP-MV

Fiberglass mesh tape



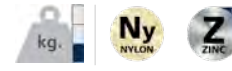
Self-adhesive squared fibreglass mesh tape.
It does not require an initial layer of paste for its installation.
It improves the resistance of the bond and prevents cracks.

CODE	ROLL LENGTH	€/1PC	
CPMV020	20 m	3,053	100 rollos
CPMV045	45 m	5,720	64 rollos
CPMV090	90 m	11,691	36 rollos
CPMV150	150 m	16,005	16 rollos

Nailable high expansion countersunk wall plug

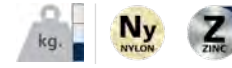
TC-SP

MULTI-MATERIAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TCSP05027	5 x 27	7,207	PZ2	5	100	2.400
TCSP06032	6 x 32	8,827	PZ2	5	100	1.200
TCSP06040	6 x 40	8,967	PZ2	10	100	1.200

MULTI-MATERIAL



CODE	SIZE	€/JAR		MAX. FIXTURE THICKNESS	PCS X JAR
TCSPEP05027	5 x 27	52,400	PZ2	5	750
TCSPEP06032	6 x 32	42,800	PZ2	5	500
TCSPEP06040	6 x 40	43,333	PZ2	10	500



TC-SP

Countersunk plug



TC-SP EP

Countersunk plug



Universal anchor

OME

MULTI-MATERIAL



CODE	SIZE	€/100			
OMEM06	M6	40,800		100	300



18
Técnicas Expansivas S.L.
Segador 13, Logroño.
Spain
EN 13964
Substructures for suspended ceilings.
Fire reaction: class A1
Durability: Class B



Suspension bracket

HO



CODE	SIZE	PROFILE	€/100		
HOCUM647	M6	TC 47	22,425	100	300

HO-CU

Pivot sleeve



18
Técnicas Expansivas S.L.
Segador 13, Logroño.
Spain
EN 13964
Substructures for suspended ceilings.
Fire reaction: class A1
Durability: Class B



HO-CR

Straight



18
Técnicas Expansivas S.L.
Segador 13, Logroño.
Spain
EN 13964
Substructures for suspended ceilings.
Fire reaction: class A1
Durability: Class B





EMP

Connecting piece for profiles



CODE	PROFILE	€/100		
EMPTC47	TC 47	26,667	50	100
EMPTC60	TC 60	48,333	50	100

18
Técnicas Expansivas S.L.
Segador, 13, Logroño,
Spain
EN 13964
Substructures for suspen-
ded ceilings
Fire reaction: class A1
Durability: Class B



CAB

Trestle for profile intersection



CODE	PROFILE	€/100		
CABTC47	TC 47	41,200	50	400
CABTC60	TC 60	48,067	50	-

18
Técnicas Expansivas S.L.
Segador, 13, Logroño,
Spain
EN 13964
Substructures for suspen-
ded ceilings
Fire reaction: class A1
Durability: Class B



ADU

Direct "U" hook for supporting profiles on false ceilings



CODE	PROFILE	€/100		
ADUTC47	TC 47	48,067	100	400
ADUTC60	TC 60	51,500	100	400

18
Técnicas Expansivas S.L.
Segador, 13, Logroño,
Spain
EN 13964
Substructures for suspen-
ded ceilings
Fire reaction: class A1
Durability: Class B



* The product is provided without folding.

SUS

Accessory for hanging



CODE	PROFILE	LENGTH	€/100		
SUSTC47090	TC47	90	17,000	100	1.000
SUSTC47180	TC47	180	25,500	100	500
SUSTC47240	TC47	240	56,533	100	300
SUSTC47300	TC47	300	68,900	50	300
SUSTC47400	TC47	400	102,467	50	200

18
Técnicas Expansivas S.L.
Segador, 13, Logroño,
Spain
EN 13964
Substructures for suspen-
ded ceilings
Fire reaction: class A1
Durability: Class B



Trap doors for plasterboard

TR

Galvanised steel plate lacquered in white RAL9016.
Snap closure system.
Quick and easy attachment system using four flanges.
Can be disassembled for installation.

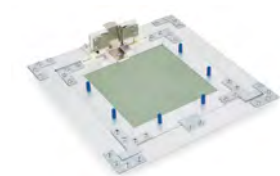


TR-BL

Metallic white [RAL 9016]

CODE	SIZE	€/PC	PC. /KIT
TRBL200200	200 x 200	24,033	1
TRBL300300	300 x 300	30,213	1
TRBL400400	400 x 400	41,200	1
TRBL500500	500 x 500	55,467	1
TRBL600600	600 x 600	67,600	1

Aluminium frame reinforced with special angles in its interior.
Flame-retardant green card plasterboard closure door.
Button closure and opening with a retaining element.
Can be disassembled for installation.

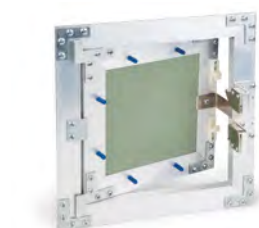


TR-13

Aluminium standard 13 mm.

CODE	SIZE	ÉPAISSEUR	€/PC	PC. /KIT
TR13200200	200 x 200	13 mm	30,900	2
TR13300300	300 x 300	13 mm	37,400	2
TR13400400	400 x 400	13 mm	48,067	2
TR13500500	500 x 500	13 mm	58,367	1
TR13600600	600 x 600	13 mm	72,100	1

Aluminium frame reinforced with special angles in its interior.
Flame-retardant green card plasterboard closure door.
Button closure and opening with a retaining element.
Can be disassembled for installation.



TR-15

Aluminium standard 15 mm.

CODE	SIZE	ÉPAISSEUR	€/PC	PC. /KIT
TR15200200	200 x 200	15 mm	64,167	2
TR15300300	300 x 300	15 mm	71,500	2
TR15400400	400 x 400	15 mm	81,667	2
TR15500500	500 x 500	15 mm	100,000	1
TR15600600	600 x 600	15 mm	116,667	1



DIRECT FIXING POWDER & GAS



FP-GUN

Semiautomatic powder-actuated nail gun

FP08GUN

For 8 mm nails



CODE	SIZE	€/PC	
FP08GUN	8mm	628,607	1

POWDER

Hollow concrete

Concrete

FP12GUN

For 12 mm nails



CODE	SIZE	€/PC	
FP12GUN	12mm	1.205,737	1

POWDER

Hollow concrete

Concrete



GUNS SUPPLIED WITH COMPLETE KIT CASE

- TOOL CASE CONTENT
- Gun
 - Brush
 - User manual
 - Safety glasses
 - Spare parts
 - Lubricant oil



Pistons for FP08GUN and FP12GUN guns

FP-PIS

POWDER

CODE	SIZE	COLOR	€/100	PCS. X STRIP	
FPP4AM	POWER 4		20,410	10	100
FPP5RO	POWER 5		20,410	10	100

POWDER

CODE	SIZE	COLOR	€/100	PCS. X DISC	
FPCRAM	POWER 4		26,150	10	100
FPCRRO	POWER 5		26,150	10	100

FP-IP

Powder cartridges. Green



FP-CR

Disc powder cartridges. Yellow



Pistons for FP08GUN and FP12GUN guns

FP-PIS

POWDER

CODE	SIZE	€/PC	
FPPISCL08	8	53,679	1

FP-PISCL08

Piston for CL standard 8 mm nails



POWDER

CODE	SIZE	€/PC	
FPPISPL08	8	53,416	1

FP-PISPL08

Flat piston



Available for nails of Ø8: CM6

POWDER

CODE	SIZE	€/PC	
FPPISCL12	12	82,499	1

FP-PISCL12

Piston for CL standard 12 mm nails



Available for nails of Ø12: CG, CL, CGD Y CLD

POWDER

CODE	SIZE	€/PC	
FPPISCM12	M6 x 8	90,408	1

FP-PISCM12

Piston for M6 x 8 threaded nails



Available for nails of Ø12: CG, CL, CGD Y CLD

POWDER

CODE	SIZE	€/PC	
FPPISCT12	12	92,814	1

FP-PISCT12

Piston for CT nails for false ceiling installation



Available for nails of Ø12: CT12



FP-CL08

Nails for powder-actuated guns

FP-CG 08

Knurled nails with plastic washer



POWDER



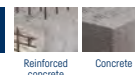
CODE	SIZE	€/100		
FPCG0816	3,8 x 16	21,013	100	4.500
FPCG0819	3,8 x 19	23,053	100	4.500

FP-CL 08

Standard nails with plastic washer



POWDER



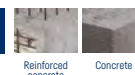
CODE	SIZE	€/100		
FPCL0816	3,8 x 16	9,914	100	4.500
FPCL0819	3,8 x 19	10,268	100	4.500
FPCL0825	3,8 x 25	10,411	100	4.500
FPCL0827	3,8 x 27	10,554	100	2.400
FPCL0832	3,8 x 32	11,070	100	2.400
FPCL0838	3,8 x 38	12,352	100	2.400
FPCL0844	3,8 x 44	13,202	100	2.400
FPCL0851	3,8 x 51	14,977	100	2.400
FPCL0857	3,8 x 57	15,481	100	2.400
FPCL0864	3,8 x 64	17,186	100	1.200
FPCL0870	3,8 x 70	17,903	100	1.200

FP-AP 08

Estándar nail with 66mm metallic washer



POWDER



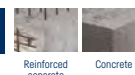
CODE	SIZE	€/100		
FPAP085166	3,8 x 51	111,928	100	200

FP-AM 08

Knurled nail with 36mm metallic washer



POWDER



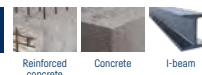
CODE	SIZE	€/100		
FPAM0837	3,8 x 37	28,526	100	600
FPAM0851	3,8 x 51	31,239	100	600

FP-CR 08

M6 X 8 thread standard nails for the installation of clamps



POWDER



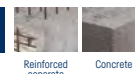
CODE	SIZE	€/100		
FPCR0812	3,8 x 12	25,170	100	2.400
FPCR0822	3,8 x 22	25,870	100	2.400
FPCR0827	3,8 x 27	26,290	100	2.400

FP-PI 08

13mm clamp clip with nail and red rubber



POWDER



CODE	SIZE	€/100		
FPPI081613	3,8 x 16	53,697	100	600



Nails for powder-actuated guns

FP-CL12

POWDER



CODE	SIZE	€/100		
FPCG1612	3,8 x 16	12,943	100	4.500
FPCG1912	3,8 x 19	13,300	100	-

FP-CG12

Knurled nails with 12 mm metal washer



POWDER



CODE	SIZE	€/100	
FPCGD1612	3,8 x 16	16,283	100
FPCGD1912	3,8 x 19	16,720	100

FP-CGD12

Knurled nails with 12 mm metal and plastic double washer



POWDER



CODE	SIZE	€/100		
FPCL2212	3,8 x 22	12,288	100	-
FPCL2712	3,8 x 27	12,918	100	1.000
FPCL3212	3,8 x 32	13,625	100	1.000
FPCL3712	3,8 x 37	14,413	100	-
FPCL4212	3,8 x 42	15,278	100	-
FPCL4712	3,8 x 47	16,625	100	2.400

FP-CL12

Standard nails with 12 mm metal washer



POWDER



CODE	SIZE	€/100	
FPCLD2212	3,8 x 22	15,928	100
FPCLD2712	3,8 x 27	16,749	100
FPCLD3212	3,8 x 32	17,695	100
FPCLD3712	3,8 x 37	18,719	100
FPCLD4212	3,8 x 42	19,816	100
FPCLD4712	3,8 x 47	21,550	100

FP-CLD12

Standard nails with a 12 mm metal and a plastic washer



POWDER



CODE	SIZE	€/100	
FPCT3212	3,8 x 32	35,895	100

FP-CT12

Nails for false ceiling installation





FG-GUN

Semiautomatic, wireless, gas-actuated nail gun Shootex 60

GAS



GUN SUPPLIED
WITH COMPLETE KIT CASE

CODE	SIZE	€/PC	
FG60GUN	Pistola gas / Gas gun / Pistolet gaz	2.160,000	1



TOOL CASE CONTENT

- SHOOTEX60 Gun
- Charger
- 2 batteries
- Safety glasses
- Allen key
- User manual

- Direct anchoring technique for light fixings: organising cabling, positioning of metallic profiles for the installation of plasterboard walls, etc.
- Fixing of metal or wood to concrete or blocks.
- Gun supplied with complete kit case, including battery charger.
- Long-lasting batteries.
- Suitable for nails up to 58 mm. long.
- Gas charge supplied with consumables.



Nails

FG-CL



CODE	SIZE	€/100	
FGCL15	2,6 x 15	14,917	1.000
FGCL20	2,6 x 20	13,787	1.000
FGCL25	2,6 x 25	14,013	1.000
FGCL30	2,6 x 30	14,147	1.000
FGCL35	2,6 x 35	15,427	1.000
FGCL40	2,6 x 40	16,587	1.000
FGCL58	2,6 x 58	17,567	1.000

FG-CL

Nails for Shooter60 and Pulsa400



+ 1 FUELL CELL



CODE	SIZE	€/100	
FGCLH17	3,1 x 17	15,530	1.000
FGCLH19	3,1 x 19	15,530	1.000
FGCLH22	3,1 x 22	15,530	1.000
FGCLH27	3,1 x 27	16,247	1.000
FGCLH32	3,1 x 32	16,820	1.000

FG-CLH

Nails for hard materials



+ 1 FUELL CELL



CODE	SIZE	€/100	
FGPUL15	2,6 x 15	15,230	1.000
FGPUL20	2,6 x 20	14,077	1.000
FGPUL25	2,6 x 25	14,307	1.000
FGPUL30	2,6 x 30	14,443	1.000
FGPUL35	2,6 x 35	15,753	1.000
FGPUL40	2,6 x 40	16,587	1.000

FG-PUL

Nails for fixing metal profiles or wood

+ 2
FUELL CELLS



FG-AC

Accessories for gas gun

FG-PLET

Threaded rod hanger



CODE	SIZE	€/100		
FGPLET	M6 - M8	60,666	100	400

FG-IMAN

Magnet



CODE	SIZE	€/PC	
FGIMAN	Øinterior 11,25	22,692	1

FG-ABRA

Universal conduit and pipe clip



CODE	SIZE	€/100		
FGABRA15	15 - 18	43,765	100	-
FGABRA20	20 - 25	53,187	50	200
FGABRA25	25 - 32	63,954	50	-

FG-BASE

Base flange



CODE	€/100		
FGBASENE	14,063	100	1.200

FG-BAT

Battery



CODE	€/PC	
FG60BAT	151,410	1

FG-CAR

Charger



CODE	€/PC	
FG60CAR	189,107	1

FG-GAS

Gas cell



CODE	€/PC		
FG60GAS	46,350	1	12

SCREWS FOR DECKING & FAÇADES



DIN-7504-K

Self-drilling screw with hexagonal washer head

DIN-7504-K

Screw



Available in different colours

METAL



CODE	SIZE	€/100			
ABE3509	3,5 x 9,5	1,561	6	1.000	24.000
ABE3513	3,5 x 13	1,673	6	1.000	12.000
ABE3516	3,5 x 16	1,966	6	1.000	12.000
ABE3519	3,5 x 19	1,996	6	1.000	12.000
ABE4213	4,2 x 13	2,259	7	1.000	12.000
ABE4216	4,2 x 16	2,498	7	1.000	8.000
ABE4219	4,2 x 19	2,892	7	1.000	8.000
ABE4225	4,2 x 25	3,276	7	500	6.000
ABE4232	4,2 x 32	3,766	7	500	6.000
ABE4238	4,2 x 38	4,282	7	500	6.000
ABE4813	4,8 x 13	3,040	8	1.000	8.000
ABE4816	4,8 x 16	3,287	8	1.000	6.000
ABE4819	4,8 x 19	3,353	8	500	6.000
ABE4825	4,8 x 25	3,970	8	500	6.000
ABE4832	4,8 x 32	4,719	8	500	3.000
ABE4838	4,8 x 38	5,195	8	500	3.000
ABE5519	5,5 x 19	4,590	8	500	6.000
ABE5522	5,5 x 22	4,690	8	500	4.000
ABE5525	5,5 x 25	5,320	8	500	6.000
ABE5532	5,5 x 32	6,167	8	500	3.000
ABE5538	5,5 x 38	7,001	8	500	3.000
ABE5550	5,5 x 50	8,293	8	500	2.000

CODE	SIZE	€/100			
ABE5563	5,5 x 63	10,143	8	250	1.000
ABE5575	5,5 x 75	12,383	8	250	1.500
ABE6319	6,3 x 19	6,887	10	500	3.000
ABE6325	6,3 x 25	7,577	10	500	3.000
ABE6332	6,3 x 32	8,957	10	500	2.000
ABE6338	6,3 x 38	9,687	10	500	2.000
ABE6350	6,3 x 50	11,810	10	250	1.500
ABE6363	6,3 x 63	14,047	10	250	1.500
ABE6375	6,3 x 75	16,967	10	250	1.000
ABE6380	6,3 x 80	18,139	10	250	1.000
ABE6390	6,3 x 90	22,644	10	250	750
ABE6310	6,3 x 100	23,445	10	100	600
ABE6311	6,3 x 110	27,711	10	100	600
ABE6312	6,3 x 120	33,360	10	100	600
ABE6313	6,3 x 130	37,020	10	100	600
ABE6314	6,3 x 140	41,615	10	100	600
ABE6315	NEW 6,3 x 150	59,955	10	100	-
ABE6316	NEW 6,3 x 160	67,275	10	100	-
ABE6318	NEW 6,3 x 180	87,052	10	100	-
ABE6320	NEW 6,3 x 200	99,943	10	100	-
ABE6322	NEW 6,3 x 220	114,682	10	100	-
ABE6324	NEW 6,3 x 240	143,153	10	100	-



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZABE3509	3,5 x 9,5	2,278	20	20
BZABE3513	3,5 x 13	2,278	20	20
BZABE4213	4,2 x 13	2,278	20	20
BZABE4216	4,2 x 16	2,278	20	20
BZABE4219	4,2 x 19	2,278	20	20
BZABE4225	4,2 x 25	2,278	10	20
BZABE4813	4,8 x 13	2,278	20	20
BZABE4816	4,8 x 16	2,278	20	20
BZABE4819	4,8 x 19	2,278	10	20
BZABE4825	4,8 x 25	2,278	10	20
BZABE4832	4,8 x 32	2,278	10	20
BZABE4838	4,8 x 38	2,278	10	20
BZABE5519	5,5 x 19	2,278	10	20
BZABE5522	5,5 x 22	2,278	10	20
BZABE5525	5,5 x 25	2,278	10	20
BZABE5532	5,5 x 32	2,278	10	20
BZABE5538	5,5 x 38	2,278	10	20
BZABE5550	5,5 x 50	2,278	10	20
BZABE6325	6,3 x 25	2,278	10	20
BZABE6332	6,3 x 32	2,278	10	20
BZABE6338	6,3 x 38	2,278	10	20
BZABE6350	6,3 x 50	2,278	5	20



Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VABE3509	3,5 x 9,5	4,923	225	8
VABE3513	3,5 x 13	4,600	200	8
VABE4213	4,2 x 13	4,583	150	8
VABE4216	4,2 x 16	5,063	150	8
VABE4219	4,2 x 19	5,974	150	8
VABE4225	4,2 x 25	3,444	75	8
VABE4232	4,2 x 32	3,801	75	8
VABE4813	4,8 x 13	6,212	150	8
VABE4816	4,8 x 16	6,861	150	8
VABE4819	4,8 x 19	7,480	150	8
VABE4825	4,8 x 25	8,435	150	8
VABE4832	4,8 x 32	7,011	110	8
VABE4838	4,8 x 38	6,188	85	8
VABE5519	5,5 x 19	7,898	125	8
VABE5522	5,5 x 22	8,303	125	8
VABE5525	5,5 x 25	9,156	125	8
VABE5532	5,5 x 32	7,215	85	8
VABE5538	5,5 x 38	7,558	80	8
VABE5550	5,5 x 50	6,851	60	8
VABE5563	5,5 x 63	5,501	40	8
VABE6319	6,3 x 19	9,486	100	8
VABE6325	6,3 x 25	9,217	90	8
VABE6332	6,3 x 32	8,476	70	8
VABE6338	6,3 x 38	7,861	60	8
VABE6350	6,3 x 50	6,385	40	8
VABE6363	6,3 x 63	4,750	25	8

DIN-7504-K A2

Screw. Stainless steel A2



STAINLESS STEEL



CODE	SIZE	€/100			
ABEI4213	4,2 x 13	11,713	7	1.000	12.000
ABEI4216	4,2 x 16	13,143	7	1.000	8.000
ABEI4219	4,2 x 19	13,620	7	1.000	8.000
ABEI4813	4,8 x 13	16,570	8	1.000	8.000
ABEI4816	4,8 x 16	16,190	8	500	6.000
ABEI4819	4,8 x 19	17,523	8	500	6.000
ABEI4825	4,8 x 25	19,620	8	500	6.000
ABEI4832	4,8 x 32	23,333	8	500	3.000
ABEI5519	5,5 x 19	24,190	8	500	6.000
ABEI5522	5,5 x 22	25,810	8	500	4.000
ABEI5525	5,5 x 25	27,430	8	500	6.000
ABEI6319	6,3 x 19	36,667	10	500	3.000
ABEI6325	6,3 x 25	41,713	10	500	3.000

Self-drilling screw with hexagonal washer head

DIN-7504-K

METAL



DIN-7504-K + ARVUL

Screw with vulcanized EPDM-steel washer



CODE	SIZE	€/100			
ABE144219	4,2 x 19 P14	6,173	7	1.000	4.000
ABE144225	4,2 x 25 P14	7,303	7	500	3.000
ABE144816	4,8 x 16 P14	6,247	8	1.000	4.000
ABE144819	4,8 x 19 P14	6,292	8	1.000	4.000
ABE144825	4,8 x 25 P14	7,041	8	1.000	4.000
ABE144832	4,8 x 32 P14	9,681	8	500	3.000
ABE144838	4,8 x 38 P14	10,626	8	500	3.000
ABE145522	5,5 x 22 P14	8,463	8	1.000	4.000
ABE145532	5,5 x 32 P14	9,562	8	1.000	4.000
ABE164219	4,2 x 19 P16	7,637	7	1.000	4.000
ABE164816	4,8 x 16 P16	6,927	8	1.000	4.000
ABE164819	4,8 x 19 P16	6,504	8	1.000	3.000
ABE164825	4,8 x 25 P16	7,545	8	1.000	3.000
ABE164832	4,8 x 32 P16	10,213	8	500	3.000
ABE164838	4,8 x 38 P16	11,064	8	500	2.000
ABE165519	5,5 x 19 P16	8,214	8	1.000	3.000
ABE165522	5,5 x 22 P16	7,248	8	1.000	3.000
ABE165525	5,5 x 25 P16	9,238	8	1.000	3.000
ABE165532	5,5 x 32 P16	9,696	8	1.000	2.000
ABE165538	5,5 x 38 P16	10,992	8	1.000	2.000
ABE165550	5,5 x 50 P16	12,467	8	500	1.500
ABE165563	5,5 x 63 P16	14,300	8	250	1.500
ABE165575	5,5 x 75 P16	17,063	8	250	1.000
ABE166319	6,3 x 19 P16	10,389	10	500	3.000
ABE166325	6,3 x 25 P16	9,901	10	500	2.000
ABE166332	6,3 x 32 P16	13,514	10	500	2.000
ABE166338	6,3 x 38 P16	14,406	10	500	2.000
ABE166350	6,3 x 50 P16	17,082	10	500	1.000
ABE166363	6,3 x 63 P16	18,785	10	250	1.000
ABE166375	6,3 x 75 P16	23,033	10	250	750
ABE166380	6,3 x 80 P16	24,915	10	100	600
ABE166390	6,3 x 90 P16	29,341	10	100	600
ABE166310	6,3 x 100 P16	30,631	10	100	600
ABE166311	6,3 x 110 P16	34,337	10	100	600
ABE166312	6,3 x 120 P16	40,602	10	100	400
ABE166313	6,3 x 130 P16	44,276	10	100	400
ABE166314	6,3 x 140 P16	48,232	10	100	400

CODE	SIZE	€/100			
ABE184819	4,8 x 19 P18	9,121	8	500	3.000
ABE184825	4,8 x 25 P18	9,681	8	500	3.000
ABE184838	4,8 x 38 P18	11,967	8	500	2.000
ABE185522	5,5 x 22 P18	9,055	8	500	3.000
ABE185525	5,5 x 25 P18	10,402	8	500	3.000
ABE185532	5,5 x 32 P18	11,235	8	500	2.000
ABE185538	5,5 x 38 P18	11,998	8	500	2.000
ABE185550	5,5 x 50 P18	15,883	8	500	1.500
ABE185563	5,5 x 63 P18	18,490	8	250	1000
ABE186319	6,3 x 19 P18	11,639	10	500	3000
ABE186325	6,3 x 25 P18	11,443	10	500	2.000
ABE186332	6,3 x 32 P18	14,245	10	500	2.000
ABE186338	6,3 x 38 P18	13,927	10	250	1.500
ABE186350	6,3 x 50 P18	16,524	10	250	1.000
ABE186363	6,3 x 63 P18	19,513	10	250	1.000
ABE186375	6,3 x 75 P18	22,043	10	250	750
ABE186380	6,3 x 80 P18	28,279	10	100	600
ABE186390	6,3 x 90 P18	26,395	10	100	600
ABE186310	6,3 x 100 P18	28,833	10	100	400
ABE186311	6,3 x 110 P18	36,053	10	100	400
ABE186312	6,3 x 120 P18	43,267	10	100	400
ABE186313	6,3 x 130 P18	54,333	10	100	400
ABE186314	6,3 x 140 P18	62,962	10	100	400
ABE255522	5,5 x 22 P25	11,837	8	500	1.500
ABE255525	5,5 x 25 P25	14,203	8	500	1.500
ABE256325	6,3 x 25 P25	14,959	10	500	1.500
ABE256332	6,3 x 32 P25	17,200	10	500	1000
ABE256338	6,3 x 38 P25	19,096	10	250	750
ABE256350	6,3 x 50 P25	22,628	10	250	750
ABE256363	6,3 x 63 P25	25,578	10	100	600
ABE256380	6,3 x 80 P25	30,606	10	100	300
ABE256390	6,3 x 90 P25	31,644	10	100	400
ABE256310	6,3 x 100 P25	34,462	10	100	400
ABE256311	6,3 x 110 P25	38,341	10	100	300
ABE256312	6,3 x 120 P25	42,265	10	100	300
ABE256313	6,3 x 130 P25	48,629	10	100	300
ABE256314	6,3 x 140 P25	53,174	10	100	200



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZABE144819	4,8 x 19 P14	2,278	18	10
BZABE144825	4,8 x 25 P14	2,278	18	10
BZABE164819	4,8 x 19 P16	2,278	18	10
BZABE165522	5,5 x 22 P16	2,278	15	10
BZABE165525	5,5 x 25 P16	2,278	15	10
BZABE165532	5,5 x 32 P16	2,278	12	10
BZABE165538	5,5 x 38 P16	2,278	12	10
BZABE165550	5,5 x 50 P16	2,278	10	10
BZABE166325	6,3 x 25 P16	2,278	10	10
BZABE166332	6,3 x 32 P16	2,278	8	10
BZABE166338	6,3 x 38 P16	2,278	8	10



Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VABE144819	4,8 x 19 P14	9,265	100	8
VABE144825	4,8 x 25 P14	8,214	80	8
VABE164819	4,8 x 19 P16	6,771	70	8
VABE165522	5,5 x 22 P16	7,470	70	8
VABE165525	5,5 x 25 P16	7,752	60	8
VABE165532	5,5 x 32 P16	6,695	50	8
VABE165538	5,5 x 38 P16	6,820	45	8
VABE165550	5,5 x 50 P16	6,001	35	8
VABE166325	6,3 x 25 P16	7,290	50	8
VABE166332	6,3 x 32 P16	9,479	50	8
VABE166338	6,3 x 38 P16	8,082	40	8

METAL



DIN-7504-K CP + ARVUL

Self-drilling screw with hexagon washer head

CODE	SIZE	€/JAR		PCS X JAR
ABE144819CP	4,8 x 19 P14	81,831	8	1.250
ABE164819CP	4,8 x 19 P16	84,585	8	1.250
ABE165522CP	5,5 x 22 P16	94,234	8	1.250
ABE166325CP	6,3 x 25 P16	77,241	10	750



DIN-7504-K RE

Self-drilling screw with reduced drill point and hexagonal washerhead
8 mm

DIN-7504-K RE

Screw



METAL



CODE	SIZE	€/100			
ARE4816	4,8 x 16	3,777	8	500	6.000
ARE4819	4,8 x 19	4,049	8	500	6.000
ARE5522	5,5 x 22	5,824	8	500	4.000
ARE6320	6,3 x 20	6,453	8	500	3.000
ARE6325	6,3 x 25	7,578	8	500	3.000
ARE6332	6,3 x 32	9,945	8	500	3.000
ARE6338	6,3 x 38	10,618	8	500	3.000
ARE6350	6,3 x 50	12,944	8	250	1.500
ARE6363	6,3 x 63	15,572	8	250	1.500
• ARE6380	6,3 x 80	20,376	8	250	1.000

• Availability: end of stock

DIN-7504-K RE + ARVUL

Screw with vulcanized EPDM-steel washer

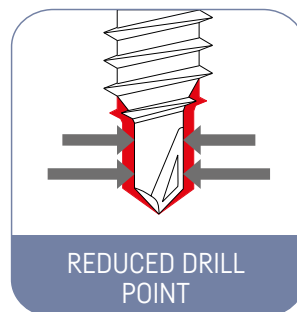


METAL



CODE	SIZE	€/100			
ARE164816	4,8 x 16 P16	9,122	8	500	3.000
ARE164819	4,8 x 19 P16	9,792	8	500	3.000
ARE165522	5,5 x 22 P16	11,210	8	500	3.000
ARE166320	6,3 x 20 P16	11,128	8	500	3.000
ARE166325	6,3 x 25 P16	12,152	8	500	3.000
ARE166332	6,3 x 32 P16	17,027	8	500	2.000
ARE166338	6,3 x 38 P16	16,402	8	500	2.000
ARE166350	6,3 x 50 P16	19,115	8	250	1.500

Para espesuras inferiores a 1,5 mm



ATAP

Nylon cover cap in colours, for hexagonal-head screws



CODE		COLOR	€/100		
ATAPO08AR	8	RAL 1.001	6,916	1000	2000
ATAPO08RC	8	RAL 3.003	6,916	1000	2000
ATAPO08RT	8	RAL 3.011	6,916	1000	2000
ATAPO08VN	8	RAL 6.028	6,916	1000	2000
ATAPO08BP	8	RAL 9.010	6,916	1000	2000
ATAPO08NE	8	RAL 9.005	6,916	1000	2000
ATAPO08BO	8	RAL 9.002	6,916	1000	2000
ATAPO10AR	10	RAL 1.001	6,916	1000	2000
ATAPO10RC	10	RAL 3.003	6,916	1000	2000
ATAPO10RT	10	RAL 3.011	6,916	1000	2000
ATAPO10VN	10	RAL 6.028	6,916	1000	2000
ATAPO10BP	10	RAL 9.010	6,916	1000	2000
ATAPO10NE	10	RAL 9.005	6,916	1000	2000
ATAPO10BO	10	RAL 9.002	6,916	1000	2000

Self-tapping screw with hexagonal washer head

AUE

METAL



CODE	SIZE	€/100			
AUE6319	6,3 x 19	5,834	10	500	3.000
AUE6325	6,3 x 25	6,440	10	500	3.000
AUE6332	6,3 x 32	7,648	10	500	2.000
AUE6340	6,3 x 40	8,524	10	500	2.000
AUE6350	6,3 x 50	9,809	10	500	1.500
AUE6360	6,3 x 60	11,851	10	250	1.000
AUE6380	6,3 x 80	15,257	10	250	1.000
AUE6310	6,3 x 100	20,684	10	250	750
AUE6311	6,3 x 110	22,331	10	250	750
AUE6312	6,3 x 120	26,693	10	250	750
AUE6313	6,3 x 130	32,819	10	250	750
AUE6314	6,3 x 140	36,891	10	250	500
AUE6315	6,3 x 150	46,247	10	100	400

AUE

Screw



Available in different colours

METAL



CODE	SIZE	€/100			
AUE166319	6,3 x 19 P16	10,814	10	500	2.000
AUE166325	6,3 x 25 P16	11,453	10	500	2.000
AUE166332	6,3 x 32 P16	12,702	10	500	2.000
AUE166340	6,3 x 40 P16	14,113	10	500	1.500
AUE166350	6,3 x 50 P16	15,739	10	500	1.500
AUE166360	6,3 x 60 P16	19,193	10	250	1.000
AUE166380	6,3 x 80 P16	24,490	10	250	750
AUE186325	6,3 x 25 P18	12,233	10	500	2.000
AUE186332 NEW	6,3 x 32 P18	13,755	10	500	1.500
AUE186340	6,3 x 40 P18	17,544	10	500	1.500
AUE186350 NEW	6,3 x 50 P18	16,730	10	500	1.500
AUE186360 NEW	6,3 x 60 P18	20,347	10	250	1.000
AUE186380 NEW	6,3 x 80 P18	26,374	10	250	750
AUE186310 NEW	6,3 x 100 P18	30,793	10	250	750
AUE186311 NEW	6,3 x 110 P18	32,959	10	250	500
AUE186312 NEW	6,3 x 120 P18	39,748	10	100	400
AUE186313 NEW	6,3 x 130 P18	46,918	10	100	400
AUE186314 NEW	6,3 x 140 P18	50,433	10	100	400
AUE186315 NEW	6,3 x 150 P18	52,163	10	100	400
AUE256325	6,3 x 25 P25	19,661	10	500	1.500

AUE + ARVUL

Screw with vulcanized EPDM-steel washer



Available in different colours

Self-drilling screw, point no. 5, hexagonal washer head

AUTO

METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
AUTO532	5,5 x 32	12,138	8	16	4,00-12,00	500	3.000
AUTO538	5,5 x 38	13,267	8	22	4,00-12,00	500	3.000

AUTO

Screw



METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
AUTO16532	5,5 x 32 P16	15,015	8	14	4,00-12,00	500	2.000
AUTO16538	5,5 x 38 P16	15,985	8	20	4,00-12,00	500	2.000

AUTO + ARVUL

Screw with vulcanized EPDM-steel washer



ABE BIMETAL

Bimetal, stainless-steel, self-drilling screw. Hexagon washer head

ABE BIMETAL

Screw



METAL



CODE	SIZE	€/100		DRILL CAPACITY		
BIE4825	4,8 x 25	66,350	8	1,75-4,40	500	6.000
BIE5525	5,5 x 25	77,446	8	1,75-5,25	500	6.000
BIE5532	5,5 x 32	89,600	8	1,75-5,25	500	3.000
BIE5538	5,5 x 38	92,944	8	1,75-5,25	500	3.000
BIE5550	5,5 x 50	107,683	8	1,75-5,25	500	2.000
BIE5558	5,5 x 58	119,399	8	1,75-5,25	250	1.500
BIE5565	5,5 x 65	124,800	8	1,75-5,25	250	1.500
BIE5580	5,5 x 80	147,238	8	1,75-5,25	250	1.000
BIE6325	6,3 x 25	81,232	10	2,50-6,00	500	3.000

ABE BIMETAL + ARVUL

Screw with vulcanized EPDM-steel washer



METAL



CODE	SIZE	€/100		DRILL CAPACITY		
BIE164825	4,8 x 25 P16	76,862	8	1,75-4,40	500	2.000
BIE165525	5,5 x 25 P16	89,215	8	1,75-5,25	500	2.000
BIE165532	5,5 x 32 P16	100,842	8	1,75-5,25	500	1.500
BIE165538	5,5 x 38 P16	104,971	8	1,75-5,25	500	1.500
BIE165550	5,5 x 50 P16	121,007	8	1,75-5,25	500	1.500
BIE165558	5,5 x 58 P16	131,733	8	1,75-5,25	250	1.500
BIE165565	5,5 x 65 P16	137,095	8	1,75-5,25	250	1.500
BIE165580	5,5 x 80 P16	159,541	8	1,75-5,25	250	1.000
BIE166325	6,3 x 25 P16	93,062	10	2,50-6,00	500	2.000

AUTO BIMETAL

Bimetal, stainless steel A2, self-drilling screw. Point no. 5 and hexagon washer head.

AUTO BIMETAL

Screw



METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
BAUTO5540	5,5 x 40	101,343	8	10	2,50-6,00	500	3.000
BAUTO5550	5,5 x 50	143,901	8	20	2,50-6,00	500	3.000
BAUTO5565	5,5 x 65	150,329	8	35	2,50-6,00	250	1.500
BAUTO5580	5,5 x 80	188,955	8	50	2,50-6,00	250	1.000
BAUTO5510	5,5 x 100	191,075	8	70	2,50-6,00	100	600

AUTO BIMETAL + ARVUL

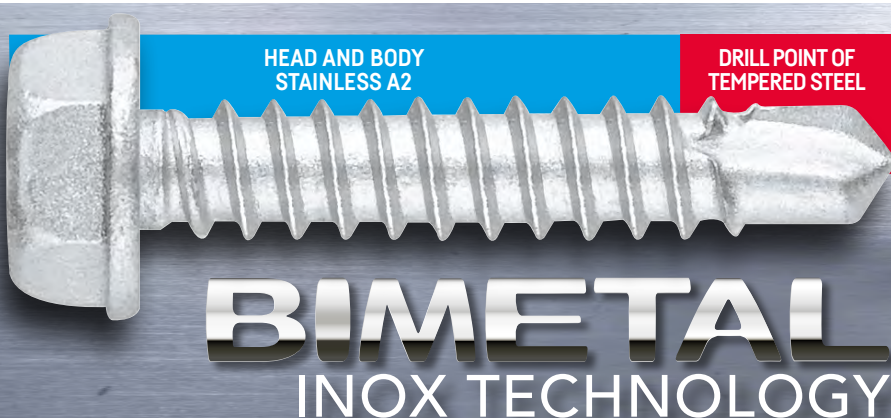
Screw with vulcanized EPDM-steel washer



METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
BAUTO165540	5,5 x 40 P16	122,731	8	8	2,50-6,00	500	1.500
BAUTO165550	5,5 x 50 P16	165,912	8	18	2,50-6,00	500	1.500
BAUTO165565	5,5 x 65 P16	171,426	8	33	2,50-6,00	250	1.500
BAUTO165580	5,5 x 80 P16	201,485	8	48	2,50-6,00	250	1.000
BAUTO165510	5,5 x 100 P16	212,427	8	68	2,50-6,00	100	600



The benefits of a steel self-drilling screw with the anti-corrosion resistance of a stainless

SILVER RUSPERT COATING

Vulcanized EPDM-steel washer

ARVUL

METAL



ARVUL

Pre-galvanized

CODE	SIZE	€/100	WASHER INNER Ø		
ARANE14	P14	2,839	2,5	1.000	12.000
ARANE16	P16	3,176	2,7	1.000	6.000
ARANE18	P18	4,047	3,2	1.000	6.000
ARANE25	P25	6,930	3,3	500	3.000



Blister



Window Box

CODE	SIZE	€/BAG	PCS	BAGS
BZARANE14	P14	1,803	20	10
BZARANE16	P16	1,803	20	10
BZARANE18	P18	1,803	20	10

CODE	SIZE	€/BOX	PCS	BOXES
VARANE14	P14	3,794	100	8
VARANE16	P16	4,206	100	8
VARANE18	P18	5,518	100	8
VARANE25	P25	9,730	100	8



STAINLESS STEEL



ARVUL A2

Stainless steel A2

CODE	SIZE	€/100	WASHER INNER Ø		
ARINO14	P14	8,171	2,5	1.000	12.000
ARINO16	P16	9,309	2,7	1.000	6.000
ARINO18	P18	11,672	3,2	1.000	6.000
ARINO25	P25	21,028	3,3	500	3.000
ARINOM30	P30	29,876	6,3	500	1.500



* ARINOM30: Specially recommended for MTA-A2, Ø6



Self-drilling screw for fibre cement, assembled with umbrella washer

FIBR

METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY	
FI63115	6,3 x 115	63,767	8	85	1,50 - 6,00	250
FI63125	6,3 x 125	66,535	8	95	1,50 - 6,00	250
FI63110	6,3 x 110	74,885	8	75	6,00 - 12,00	250
FI63120	6,3 x 120	73,120	8	85	6,00 - 12,00	250
FI63130	6,3 x 130	79,494	8	95	6,00 - 12,00	250
FI63150	6,3 x 150	76,225	8	115	6,00 - 12,00	250
FI63160	6,3 x 160	96,349	8	125	6,00 - 12,00	250


INDEX
mix

BULK SALES SYSTEM

PERSONALIZED IMPLEMENTATION
TO GUARANTEE PROFITABILITY



PS

Self-drilling screw with hexagonal washer head for sandwich panels

PS 3

Drill point no. 3



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
PS55060	5,5 / 6,3 x 60	14,338	8	44	1,50-6,00	500	1.500
PS55082	5,5 / 6,3 x 82	19,485	8	68	1,50-6,00	500	1.000
PS55098	5,5 / 6,3 x 98	23,494	8	84	1,50-6,00	500	1.000
PS55115	5,5 / 6,3 x 115	26,751	8	100	1,50-6,00	500	1.000
PS55130 *	NEW 5,5 / 6,3 x 130	47,676	8	115	1,50-6,00	200	400
PS55150 *	NEW 5,5 / 6,3 x 150	61,222	8	135	1,50-6,00	200	400
PS55180 *	NEW 5,5 / 6,3 x 180	101,954	8	165	1,50-6,00	200	400
PS55200 *	NEW 5,5 / 6,3 x 200	181,682	8	185	1,50-6,00	200	400
PS55230 *	NEW 5,5 / 6,3 x 230	208,473	8	215	1,50-6,00	200	400

* Disponível com anilha vulcanizada de aço-EPDM

PS 3 + ARVUL

Drill point no. 3 with vulcanized EPDM-steel washer



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
PS1655060	5,5 / 6,3 x 60 P16	18,833	8	42	1,50-6,00	500	1.000
PS1655082	5,5 / 6,3 x 82 P16	23,540	8	66	1,50-6,00	500	1.000
PS1655098	5,5 / 6,3 x 98 P16	27,947	8	82	1,50-6,00	500	1.000
PS1655115	5,5 / 6,3 x 115 P16	32,313	8	98	1,50-6,00	500	-

PS 5

Drill point no. 5



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
PSL55075	5,5 / 6,3 x 75	20,047	8	45	6,00-12,00	500	1.500
PSL55085	5,5 / 6,3 x 85	23,450	8	55	6,00-12,00	500	1.000
PSL55105	5,5 / 6,3 x 105	29,293	8	75	6,00-12,00	500	1.000
PSL55130	5,5 / 6,3 x 130	42,963	8	100	6,00-12,00	250	750
PSL55150	5,5 / 6,3 x 150	50,867	8	120	6,00-12,00	250	750
PSL55175 *	NEW 5,5 / 6,3 x 175	99,318	8	145	6,00-12,00	200	400
PSL55200 *	NEW 5,5 / 6,3 x 200	119,848	8	170	6,00-12,00	200	400
PSL55230 *	NEW 5,5 / 6,3 x 230	169,091	8	200	6,00-12,00	200	400
PSL55240 *	NEW 5,5 / 6,3 x 240	269,818	8	210	6,00-12,00	200	400
PSL55280 *	NEW 5,5 / 6,3 x 280	616,909	8	250	6,00-12,00	200	400

* Disponível com anilha vulcanizada de aço-EPDM

PS 5 + ARVUL

Drill point no. 5 with vulcanized EPDM-steel washer



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
PSL1655075	5,5 / 6,3 x 75 P16	24,390	8	43	6,00-12,00	500	1.000
PSL1655085	5,5 / 6,3 x 85 P16	28,257	8	53	6,00-12,00	500	1.000
PSL1655105	5,5 / 6,3 x 105 P16	34,097	8	73	6,00-12,00	500	1.000
PSL1655130	5,5 / 6,3 x 130 P16	48,190	8	98	6,00-12,00	250	500
PSL1655150	5,5 / 6,3 x 150 P16	56,097	8	118	6,00-12,00	250	500





SELF DRILLING,
SELF TAPPING AND PVC SCREWS

DIN-7504-N HP

Self-drilling screw with panhead, Ph recess

DIN-7504-N HP B

White. Ph recess.



For other sizes, contact your sales person for term and price

METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
ABR3509BLE	3,5 x 9,5	1,606	PH2	2,85	0,70-2,25	1.000	24.000
ABR3513BLE	3,5 x 13	4,427	PH2	6,2	0,70-2,25	1.000	24.000
ABR3516BLE	3,5 x 16	4,981	PH2	9,2	0,70-2,25	1.000	16.000
ABR4213BLE	4,2 x 13	5,794	PH2	4,3	1,75-3,00	1.000	12.000
ABR4216BLE	4,2 x 16	6,430	PH2	7,3	1,75-3,00	1.000	12.000
ABR4219BLE	4,2 x 19	6,461	PH2	10,3	1,75-3,00	1.000	12.000
ABR4825BLE	4,8 x 25	9,262	PH2	14,7	1,75-4,40	500	6.000

DIN-7504-N HP N

Black. Ph recess.



For other sizes, contact your sales person for term and price

METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
NBR3509	3,5 x 9,5	1,875	PH2	2,85	0,70-2,25	1.000	24.000
NBR3513	3,5 x 13	2,332	PH2	6,2	0,70-2,25	1.000	24.000
NBR3516	3,5 x 16	2,394	PH2	9,2	0,70-2,25	1.000	16.000
NBR3519	3,5 x 19	2,642	PH2	12,1	0,70-2,25	1.000	12.000
NBR4213	4,2 x 13	2,761	PH2	4,3	1,75-3,00	1.000	12.000
NBR4216	4,2 x 16	3,057	PH2	7,3	1,75-3,00	1.000	12.000
NBR4219	4,2 x 19	3,434	PH2	10,3	1,75-3,00	1.000	12.000
NBR4225	4,2 x 25	4,236	PH2	16,3	1,75-3,00	500	6.000
NBR4232	4,2 x 32	5,032	PH2	23	1,75-3,00	500	6.000
NBR4238	4,2 x 38	5,906	PH2	29	1,75-3,00	500	6.000
NBR4816	4,8 x 16	4,216	PH2	5,5	1,75-4,40	1.000	8.000
NBR4819	4,8 x 19	4,905	PH2	8,7	1,75-4,40	1.000	8.000
NBR4825	4,8 x 25	5,774	PH2	14,7	1,75-4,40	500	6.000
NBR4832	4,8 x 32	7,011	PH2	21,5	1,75-4,40	500	6.000
NBR4838	4,8 x 38	7,470	PH2	27,5	1,75-4,40	500	3.000
NBR4845	4,8 x 45	8,660	PH2	34,5	1,75-4,40	500	3.000
NBR4850	4,8 x 50	9,394	PH2	39,5	1,75-4,40	500	3.000

DIN-7504-N HP A2

A2 Stainless steel. Ph recess.



STAINLESS STEEL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
ABRA23509	3,5 x 9,5	7,905	PH2	2,85	0,70-2,25	1.000	24.000
ABRA23513	3,5 x 13	9,541	PH2	6,2	0,70-2,25	500	12.000
ABRA23519	3,5 x 19	11,689	PH2	12,1	0,70-2,25	500	12.000
ABRA24213	4,2 x 13	11,174	PH2	4,3	1,75-3,00	500	12.000
ABRA24216	4,2 x 16	12,521	PH2	7,3	1,75-3,00	500	12.000
ABRA24219	4,2 x 19	13,322	PH2	10,3	1,75-3,00	500	12.000
ABRA24225	4,2 x 25	13,992	PH2	16,3	1,75-3,00	250	6.000
ABRA24816	4,8 x 16	17,530	PH2	5,5	1,75-4,40	250	6.000
ABRA24819	4,8 x 19	17,173	PH2	8,7	1,75-4,40	250	6.000
ABRA24825	4,8 x 25	19,079	PH2	14,7	1,75-4,40	250	6.000
ABRA24832	4,8 x 32	22,334	PH2	21,5	1,75-4,40	250	4.000
ABRA24838	4,8 x 38	24,449	PH2	27,5	1,75-4,40	250	3.000
ABRA24850	4,8 x 50	28,304	PH2	39,5	1,75-4,40	250	3.000

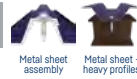
• Availability: end of stock



Self-drilling screw with panhead, Ph recess

DIN-7504-N HP

METAL



DIN-7504-N HP Z

Zinc-plated. Ph recess.



CODE	SIZE	€/100	MAX. FIXTURE THICKNESS	DRILL CAPACITY		
ABR3509	3,5 x 9,5	1,137	PH2	2,8	0,70-2,25	1.000 24.000
ABR3511	3,5 x 11	1,322	PH2	4,2	0,70-2,25	1.000 24.000
ABR3513	3,5 x 13	1,380	PH2	6,2	0,70-2,25	1.000 24.000
ABR3516	3,5 x 16	1,473	PH2	9,2	0,70-2,25	1.000 16.000
ABR3519	3,5 x 19	1,576	PH2	12,1	0,70-2,25	1.000 12.000
ABR3522	3,5 x 22	1,858	PH2	15,1	0,70-2,25	1.000 12.000
ABR3525	3,5 x 25	1,980	PH2	18,1	0,70-2,25	500 12.000
ABR3532	3,5 x 32	2,479	PH2	25,1	0,70-2,25	500 6.000
ABR3913	3,9 x 13	1,653	PH2	5,8	0,70-2,40	1.000 16.000
ABR3916	3,9 x 16	1,778	PH2	8,8	0,70-2,40	1.000 12.000
ABR3919	3,9 x 19	1,975	PH2	11,7	0,70-2,40	1.000 12.000
ABR3925	3,9 x 25	2,431	PH2	17,7	0,70-2,40	500 8.000
ABR3932	3,9 x 32	2,926	PH2	24,5	0,70-2,40	500 6.000
ABR4213	4,2 x 13	1,810	PH2	4,3	1,75-3,00	1.000 12.000
ABR4216	4,2 x 16	1,923	PH2	7,3	1,75-3,00	1.000 12.000
ABR4219	4,2 x 19	2,180	PH2	10,3	1,75-3,00	1.000 12.000
ABR4222	4,2 x 22	2,481	PH2	13,3	1,75-3,00	500 8.000
ABR4225	4,2 x 25	2,573	PH2	17,7	1,75-3,00	500 6.000
ABR4232	4,2 x 32	3,017	PH2	24,5	1,75-3,00	500 6.000
ABR4238	4,2 x 38	3,543	PH2	30,5	1,75-3,00	500 6.000
ABR4250	4,2 x 50	4,520	PH2	41	1,75-3,00	500 3.000
ABR4811	4,8 x 110	19,982	PH2	-	-	100 1.200

CODE	SIZE	€/100	MAX. FIXTURE THICKNESS	DRILL CAPACITY		
ABR4812	4,8 x 120	20,585	PH2	-	-	100 1.200
ABR4813	4,8 x 13	2,618	PH2	3,7	1,75-4,40	1.000 8.000
ABR4816	4,8 x 16	2,714	PH2	5,5	1,75-4,40	1.000 8.000
ABR4819	4,8 x 19	2,994	PH2	10,3	1,75-4,40	1.000 8.000
ABR4822	4,8 x 22	3,477	PH2	11,7	1,75-4,40	500 6.000
ABR4825	4,8 x 25	3,543	PH2	14,7	1,75-4,40	500 6.000
ABR4832	4,8 x 32	4,127	PH2	21,5	1,75-4,40	500 6.000
ABR4838	4,8 x 38	4,680	PH2	27,5	1,75-4,40	500 3.000
ABR4845	4,8 x 45	5,443	PH2	34,5	1,75-4,40	500 3.000
ABR4850	4,8 x 50	6,230	PH2	39,5	1,75-4,40	500 3.000
ABR4860	4,8 x 60	8,323	PH2	49,5	1,75-4,40	500 2.000
ABR4880	4,8 x 80	10,870	PH2	69,5	1,75-4,40	250 1.500
ABR4890	4,8 x 90	17,123	PH2	79,5	1,75-4,40	100 1.200
ABR4810	4,8 x 100	19,319	PH2	89,5	1,75-4,40	100 1.200
ABR5519	5,5 x 19	4,208	PH3	8,7	1,75-5,25	500 6.000
ABR5522	5,5 x 22	4,535	PH3	11,7	1,75-5,25	500 6.000
ABR5525	5,5 x 25	4,629	PH3	14,7	1,75-5,25	500 4.000
ABR5532	5,5 x 32	5,616	PH3	21,5	1,75-5,25	500 3.000
ABR5538	5,5 x 38	6,313	PH3	27,5	1,75-5,25	500 3.000
ABR5545	5,5 x 45	7,087	PH3	34,5	1,75-5,25	500 3.000
ABR5560	5,5 x 60	9,908	PH3	49,5	1,75-5,25	250 1.500
ABR5573	5,5 x 73	11,945	PH3	62,5	1,75-5,25	250 1.500



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZABR3509	3,5 x 9,5	2,278	40	15
BZABR3513	3,5 x 13	2,278	40	15
BZABR3516	3,5 x 16	2,278	40	15
BZABR4213	4,2 x 13	2,278	40	15
BZABR4216	4,2 x 16	2,278	40	15
BZABR4219	4,2 x 19	2,278	40	15
BZABR4225	4,2 x 25	2,278	20	15
BZABR4232	4,2 x 32	2,278	20	15
BZABR4816	4,8 x 16	2,278	35	15
BZABR4819	4,8 x 19	2,278	35	15
BZABR4825	4,8 x 25	2,278	20	15
BZABR4832	4,8 x 32	2,278	20	15
BZABR4838	4,8 x 38	2,278	20	15
BZABR4845	4,8 x 45	2,278	20	15
BZABR4850	4,8 x 50	2,278	20	15
BZABR4860	4,8 x 60	2,278	20	15



Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VABR3509	3,5 x 9,5	4,301	275	8
VABR3511	3,5 x 11	4,463	250	8
VABR3513	3,5 x 13	4,702	250	8
VABR3516	3,5 x 16	4,570	225	8
VABR3519	3,5 x 19	4,835	225	8
VABR3525	3,5 x 25	4,811	180	8
VABR3913	3,9 x 13	5,583	250	8
VABR3916	3,9 x 16	4,801	200	8
VABR3919	3,9 x 19	5,280	200	8
VABR3925	3,9 x 25	4,923	150	8
VABR3932	3,9 x 32	7,902	200	8
VABR4213	4,2 x 13	4,937	200	8
VABR4216	4,2 x 16	5,250	200	8
VABR4219	4,2 x 19	5,209	175	8
VABR4222	4,2 x 22	5,773	175	8
VABR4225	4,2 x 25	4,389	125	8
VABR4232	4,2 x 32	3,740	90	8
VABR4238	4,2 x 38	3,658	75	8
VABR4250	4,2 x 50	3,175	50	8
VABR4813	4,8 x 13	4,328	125	8
VABR4816	4,8 x 16	4,587	125	8
VABR4819	4,8 x 19	4,430	110	8
VABR4822	4,8 x 22	4,267	90	8
VABR4825	4,8 x 25	4,349	90	8
VABR4832	4,8 x 32	4,223	75	8
VABR4838	4,8 x 38	3,512	55	8
VABR4845	4,8 x 45	3,713	50	8
VABR4850	4,8 x 50	3,403	40	8
VABR4860	4,8 x 60	4,539	40	8
VABR4880	4,8 x 80	3,746	25	8
VABR5532	5,5 x 32	3,825	50	8

DIN-7504-N HC

Self-drilling screw with panhead, square recess

DIN-7504-N HC Z

Zinc-plated. Square recess.



FREE

1 bit inside each box

METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
ABRC3509	3,5 x 9,5	1,137	PC1	2,85	0,70-2,25	1.000	24.000
ABRC3513	3,5 x 13	1,380	PC1	6,2	0,70-2,25	1.000	24.000
ABRC3516	3,5 x 16	1,473	PC1	9,2	0,70-2,25	1.000	16.000
ABRC3519	3,5 x 19	1,576	PC1	12,1	0,70-2,25	1.000	12.000
ABRC3913	3,9 x 13	1,653	PC1	5,8	0,70-2,40	1.000	16.000
ABRC3916	3,9 x 16	1,778	PC1	8,8	0,70-2,40	1.000	12.000
ABRC3919	3,9 x 19	1,975	PC1	11,7	0,70-2,40	1.000	12.000
• ABRC3925	3,9 x 25	2,431	PC1	17,7	0,70-2,40	500	8.000
• ABRC3938	3,9 x 38	2,689	PC1	30,5	0,70-2,40	500	6.000
ABRC4213	4,2 x 13	1,810	PC2	4,3	1,75-3,00	1.000	12.000
ABRC4216	4,2 x 16	1,923	PC2	7,3	1,75-3,00	1.000	12.000
ABRC4219	4,2 x 19	2,180	PC2	10,3	1,75-3,00	1.000	12.000
ABRC4225	4,2 x 25	2,573	PC2	16,3	1,75-3,00	500	6.000
ABRC4232	4,2 x 32	3,017	PC2	23	1,75-3,00	500	6.000
ABRC4238	4,2 x 38	3,543	PC2	29	1,75-3,00	500	6.000
ABRC4816	4,8 x 16	2,714	PC2	5,5	1,75-4,40	1.000	8.000
ABRC4819	4,8 x 19	2,994	PC2	8,7	1,75-4,40	1.000	8.000
ABRC4825	4,8 x 25	3,543	PC2	14,7	1,75-4,40	500	6.000
ABRC4832	4,8 x 32	4,127	PC2	21,5	1,75-4,40	500	6.000
ABRC4838	4,8 x 38	4,680	PC2	27,5	1,75-4,40	500	3.000
ABRC4845	4,8 x 45	5,443	PC2	34,5	1,75-4,40	500	3.000
ABRC4850	4,8 x 50	6,230	PC2	39,5	1,75-4,40	500	3.000
ABRC4860	4,8 x 60	8,323	PC2	49,5	1,75-4,40	500	2.000
ABRC4880	4,8 x 80	10,870	PC2	69,5	1,75-4,40	250	1.500
ABRC4890	4,8 x 90	17,123	PC2	79,5	1,75-4,40	100	1.200
ABRC4810	4,8 x 100	19,319	PC2	89,5	1,75-4,40	100	1.200
ABRC5525	5,5 x 25	4,629	PC3	13	1,75-5,25	500	4.000
• ABRC5573	5,5 x 73	11,945	PC3	61	1,75-5,25	250	1.500

• Availability: end of stock

DIN-7504-N HC A2

A2 Stainless steel. Square recess.



FREE

1 bit inside each box

STAINLESS STEEL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
• ABRC A23509	3,5 x 9,5	7,905	PC1	2,8	0,70-2,25	1.000	24.000
• ABRC A23522	3,5 x 22	9,257	PC1	15,1	0,70-2,25	500	12.000
• ABRC A23938	3,9 x 38	15,897	PC1	30,5	0,70-2,40	250	6.000
• ABRC A24813	4,8 x 15	12,880	PC2	3,7	1,75-4,40	500	8.000

• Availability: end of stock

Self-drilling screw with countersunk head, Ph recess

DIN-7504-P HP

METAL



DIN-7504-P HP Z

Zinc-plated. Ph recess.



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
ABP3509	3,5 x 9,5	1,229	PH2	2,85	0,70-2,25	1.000	24.000
ABP3511	3,5 x 11	1,272	PH2	4,2	0,70-2,25	1.000	24.000
ABP3513	3,5 x 13	1,286	PH2	6,2	0,70-2,25	1.000	24.000
ABP3516	3,5 x 16	1,421	PH2	9,2	0,70-2,25	1.000	24.000
ABP3519	3,5 x 19	1,687	PH2	12,1	0,70-2,25	1.000	12.000
ABP3522	3,5 x 22	1,919	PH2	15,1	0,70-2,25	1.000	12.000
ABP3525	3,5 x 25	1,916	PH2	18,1	0,70-2,25	500	12.000
ABP3913	3,9 x 13	1,481	PH2	5,8	0,70-2,40	1.000	24.000
ABP3916	3,9 x 16	1,643	PH2	8,8	0,70-2,40	1.000	12.000
ABP3919	3,9 x 19	1,862	PH2	11,7	0,70-2,40	1.000	12.000
ABP3922	3,9 x 22	2,094	PH2	14,7	0,70-2,40	500	12.000
ABP3925	3,9 x 25	2,101	PH2	17,7	0,70-2,40	500	12.000
ABP3932	3,9 x 32	2,525	PH2	24,5	0,70-2,40	500	6.000
ABP3938	3,9 x 38	2,956	PH2	30,5	0,70-2,40	500	6.000
ABP4213	4,2 x 13	1,659	PH2	4,3	1,75-3,00	1.000	12.000
ABP4216	4,2 x 16	1,862	PH2	7,3	1,75-3,00	1.000	12.000
ABP4219	4,2 x 19	2,020	PH2	10,3	1,75-3,00	1.000	12.000
ABP4222	4,2 x 22	2,232	PH2	13,3	1,75-3,00	500	12.000
ABP4225	4,2 x 25	2,525	PH2	16,3	1,75-3,00	500	6.000
ABP4232	4,2 x 32	2,917	PH2	23	1,75-3,00	500	6.000
ABP4238	4,2 x 38	3,471	PH2	29	1,75-3,00	500	6.000
ABP4813	4,8 x 13	2,288	PH2	3,7	1,75-4,40	1.000	12.000
ABP4816	4,8 x 16	2,478	PH2	5,5	1,75-4,40	1.000	12.000
ABP4819	4,8 x 19	2,616	PH2	8,7	1,75-4,40	1.000	8.000
ABP4825	4,8 x 25	2,976	PH2	14,7	1,75-4,40	500	6.000
ABP4832	4,8 x 32	3,927	PH2	21,5	1,75-4,40	500	6.000
ABP4838	4,8 x 38	4,538	PH2	27,5	1,75-4,40	500	3.000
ABP4850	4,8 x 50	5,689	PH2	39,5	1,75-4,40	500	3.000
ABP5519	5,5 x 19	3,784	PH3	8,7	1,75-5,25	500	6.000
ABP5525	5,5 x 25	4,247	PH3	14,7	1,75-5,25	500	6.000
ABP5532	5,5 x 32	5,353	PH3	21,5	1,75-5,25	500	3.000
ABP5538	5,5 x 38	6,047	PH3	27,5	1,75-5,25	500	3.000
ABP5550	5,5 x 50	7,774	PH3	39,5	1,75-5,25	500	3.000



Blister



Window Box

CODE	SIZE	€/BAG	PCS.	BAGS
BZABP3513	3,5 x 13	2,278	40	20
BZABP3516	3,5 x 16	2,278	40	20
BZABP4219	4,2 x 19	2,278	40	20
BZABP4225	4,2 x 25	2,278	20	20
BZABP4232	4,2 x 32	2,278	20	20

CODE	SIZE	€/BOX	PCS.	BOXES
VABP3513	3,5 x 13	4,383	250	8
VABP3516	3,5 x 16	4,355	225	8
VABP3519	3,5 x 19	4,553	200	8
VABP3525	3,5 x 25	4,702	180	8
VABP3913	3,9 x 13	4,043	200	8
VABP3916	3,9 x 16	4,430	200	8
VABP3919	3,9 x 19	4,406	175	8
VABP3925	3,9 x 25	4,291	150	8
VABP3938	3,9 x 38	4,032	100	8
VABP4213	4,2 x 13	3,876	175	8
VABP4216	4,2 x 16	4,406	175	8
VABP4219	4,2 x 19	4,770	175	8
VABP4225	4,2 x 25	4,301	125	8
VABP4232	4,2 x 32	3,628	90	8
VABP4238	4,2 x 38	3,533	75	8
VABP4816	4,8 x 16	4,219	125	8
VABP4819	4,8 x 19	3,570	100	8
VABP4825	4,8 x 25	3,652	90	8
VABP4832	4,8 x 32	4,056	75	8
VABP4838	4,8 x 38	4,729	75	8
VABP5532	5,5 x 32	3,648	50	8

METAL



DIN-7504-P HP N

Black. Ph recess.



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
NBP3513	3,5 x 13	2,060	PH2	6,2	0,70-2,25	1.000	24.000
NBP3516	3,5 x 16	2,251	PH2	9,2	0,70-2,25	1.000	24.000
NBP3519	3,5 x 19	2,547	PH2	12,1	0,70-2,25	1.000	12.000
NBP3525	3,5 x 25	3,220	PH2	18,1	0,70-2,25	500	12.000
NBP4216	4,2 x 16	2,802	PH2	7,3	1,75-3,00	1.000	12.000
NBP4219	4,2 x 19	3,420	PH2	10,3	1,75-3,00	1.000	12.000
NBP4225	4,2 x 25	3,883	PH2	16,3	1,75-3,00	500	6.000
NBP4232	4,2 x 32	4,536	PH2	23	1,75-3,00	500	6.000
NBP4238	4,2 x 38	6,066	PH2	29	1,75-3,00	500	6.000
NBP4825	4,8 x 25	5,647	PH2	14,7	1,75-4,40	500	6.000
NBP4832	4,8 x 32	6,810	PH2	21,5	1,75-4,40	500	6.000
NBP4838	4,8 x 38	7,844	PH2	27,5	1,75-4,40	500	3.000
NBP4850	4,8 x 50	9,238	PH2	39,5	1,75-4,40	500	3.000

DIN-7504-P HC

Self-drilling screw with countersunk head, Ph recess



FREE

1 bit inside each box

METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
• ABPC3919	3,9 x 19	1,862	PC1	11,7	0,70-2,40	1.000	12.000
• ABPC3925	3,9 x 25	2,101	PC1	17,7	0,70-2,40	500	12.000
• ABPC3932	3,9 x 32	2,525	PC1	24,5	0,70-2,40	500	6.000
• ABPC3938	3,9 x 38	2,956	PC1	30,5	0,70-2,40	500	6.000
• ABPC4216	4,2 x 16	1,862	PC2	7,3	1,75-3,00	1.000	12.000
• ABPC4219	4,2 x 19	2,020	PC2	10,3	1,75-3,00	1.000	12.000
• ABPC4222	4,2 x 22	2,232	PC2	13,3	1,75-3,00	500	12.000
• ABPC4813	4,8 x 13	2,288	PC2	3,7	1,75-4,40	1.000	12.000
• ABPC4816	4,8 x 16	2,478	PC2	5,5	1,75-4,40	1.000	12.000
• ABPC4825	4,8 x 25	2,976	PC2	14,7	1,75-4,40	500	6.000
• ABPC4850	4,8 x 50	5,689	PC2	39,5	1,75-4,40	500	3.000
• ABPC5525	5,5 x 25	4,247	PC3	14,7	1,75-5,25	500	6.000
• ABPC5532	5,5 x 32	5,353	PC3	21,5	1,75-5,25	500	3.000

• Availability: end of stock

BCP

Self-drilling extra low head screw, Phillip recess

BCP Z

Zinc-plated. Ph recess.



METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
BCPZ4214	4,2 x 14	2,182	PH2	6	0,70-2,00	500	12.000
BCPZ4223	4,2 x 23	3,278	PH2	15	0,70-2,00	500	12.000

BCP N

Black. Ph recess.



METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
BCPN4214	4,2 x 14	3,278	PH2	6	0,70-2,00	500	12.000
BCPN4223	4,2 x 23	4,903	PH2	15	0,70-2,00	500	12.000

BCP B

White. Ph recess.



METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
BCPB4214	4,2 x 14	5,212	PH2	6	0,70-2,00	500	12.000
BCPB4223	4,2 x 23	7,844	PH2	15	0,70-2,00	500	12.000

BCP CB

White head. Ph recess.



METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
BCPZ4214BL	4,2 x 14	8,894	PH2	6	0,70-2,00	500	22.500
BCPZ4223BL	4,2 x 23	10,997	PH2	15	0,70-2,00	500	12.000

BCP A2

A2 Stainless steel. Ph recess.



STAINLESS STEEL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
BCPA24214	4,2 x 14	19,322	PH2	6	0,70-2,00	500	22.500

Self-drilling screw, blind-rivet head

RS

METAL

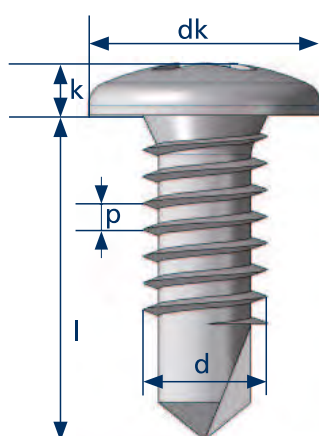
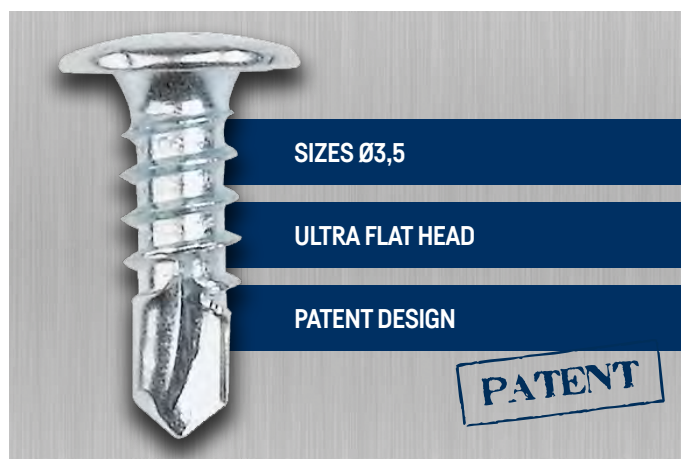


CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
RSZ3509	3,5 x 9	3,264	PH2	2,8	0,75 - 2,25	500	22.500
RSZ3513	3,5 x 13	3,658	PH2	6,2	0,75 - 2,25	500	22.500
RSZ3516	3,5 x 16	3,771	PH2	9,2	0,75 - 2,25	500	22.500
RSZ4213	4,2 x 13	4,580	PH2	4,3	1,75 - 3,00	500	22.500
RSZ4216	4,2 x 16	4,770	PH2	7,3	1,75 - 3,00	500	12.000
RSZ4219	4,2 x 19	5,494	PH2	10,3	1,75 - 3,00	500	12.000
RSZ4225	4,2 x 25	7,167	PH2	16,3	1,75 - 3,00	250	6.000
RSZ4232	4,2 x 32	7,432	PH2	23	1,75 - 3,00	250	6.000
RSZ4813	4,8 x 13	6,861	PH2	3,7	1,75 - 4,4	500	12.000
RSZ4816	4,8 x 16	7,055	PH2	5,5	1,75 - 4,4	250	11.250
RSZ4819	4,8 x 19	8,007	PH2	8,7	1,75 - 4,4	250	11.250
RSZ4825	4,8 x 25	9,721	PH2	14,7	1,75 - 4,4	250	6.000
RSZ4832	4,8 x 32	10,064	PH2	21,5	1,75 - 4,4	250	3.000
RSZ4838	4,8 x 38	11,441	PH2	27,5	1,75 - 4,4	250	3.000



CHARACTERISTICS

- Self-drilling rivet-head screw.
- The thin head has the following properties:
 - It is not an obstacle to any mobile elements.
 - Once installed, it has a proper finish, almost unnoticeable, due to its spherical geometry.
 - It can be used as a replacement for rivets.
- Wide range of drilling depths available: from 0.70 mm to 4.40 mm.
- Wide range of sizes available.
- The cone between the head and the thread has been optimized, in order to guarantee a perfect setting on the material installed.
- Full thread.
- Ring cavity underneath the head, which takes the drilling leftovers in, this improving the setting of the screw.



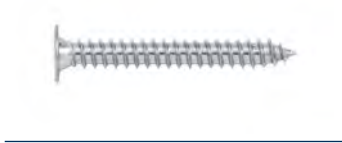
CODE	#3.5	#4.2	#4.8
d_k : Head diameter [mms.]	6.7	8.0	9.3
k : Head thickness [mms.]	1.2	1.3	1.5
d : External thread diameter [mms.]	3.5	4.2	4.8
p : Thread pitch [mms.]	1.3	1.4	1.6
l : Length [mms.]	9 - 16	13 - 32	13 - 38
Drilling speed [mms.]	0.7 - 2.25	1.75 - 3.00	1.75 - 4.40
N° Drill PH	N°2	N°2	N°2
CODE INDEX drill	PUPHC02 PUPHL02	PUPHC02 PUPHL02	PUPHC02 PUPHL02

CP

Extra low head self-tapping screw, Ph recess

CP Z

Zinc-plated. Ph recess.



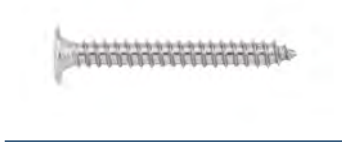
METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TCPZ4213	4,2 x 13	1,825	PH2	6	500	12.000
TCPZ4222	4,2 x 22	2,576	PH2	15	500	12.000
TCPZ4232	4,2 x 32	3,501	PH2	25	500	6.000

CP A2

A2 Stainless steel. Ph recess.



STAINLESS STEEL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TCPA24213	4,2 x 13	7,905	PH2	6	500	12.000
TCPA24222	4,2 x 22	15,339	PH2	15	500	12.000
TCPA24232	4,2 x 32	19,645	PH2	25	500	6.000

CP B

White. Ph recess.



METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TCPB4213	4,2 x 13	5,181	PH2	6	500	12.000
TCPB4222	4,2 x 22	7,686	PH2	15	500	12.000
TCPB4232	4,2 x 32	10,595	PH2	25	500	6.000

CP N

Black. Ph recess.



METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS		
TCPN4213	4,2 x 13	2,879	PH2	6	500	12.000
TCPN4222	4,2 x 22	4,141	PH2	15	500	12.000
TCPN4232	4,2 x 32	5,797	PH2	25	500	6.000

TAE

Self-drilling extra low panhead screw, Phillip recess

TAEZ

Zinc-plated. Ph recess.



METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
TAEZ4213	4,2 x 13	3,308	PH2	4,3	0,75 - 2,50	500	12.000
TAEZ4216	4,2 x 16	3,633	PH2	7,3	0,75 - 2,50	500	8.000
TAEZ4219	4,2 x 19	4,050	PH2	10,3	0,75 - 2,50	500	6.000
TAEZ4225	4,2 x 25	4,127	PH2	16,3	0,75 - 2,50	500	6.000
TAEZ4232	4,2 x 32	4,757	PH2	23	0,75 - 2,50	500	6.000

TAEN

Black. Ph recess.



METAL



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
TAEN4213	4,2 x 13	5,657	PH2	4,3	0,75 - 2,50	500	12.000
TAEN4216	4,2 x 16	6,153	PH2	7,3	0,75 - 2,50	500	8.000
TAEN4219	4,2 x 19	7,423	PH2	10,3	0,75 - 2,50	500	6.000
TAEN4225	4,2 x 25	8,740	PH2	16,3	0,75 - 2,50	500	6.000
TAEN4232	4,2 x 32	10,123	PH2	23	0,75 - 2,50	500	6.000

Self-tapping screw with panhead, Ph recess.

DIN-7981 HP

METAL



DIN-7981 HP Z

Zinc-plated. Ph recess.

CODE	SIZE	€/100			
T8129006	2,9 x 6,5	0,862	PH1	1.000	45.000
T8129009	2,9 x 9,5	0,877	PH1	1.000	30.000
T8129013	2,9 x 13	1,023	PH1	1.000	24.000
T8129016	2,9 x 16	1,147	PH1	1.000	24.000
T8129019	2,9 x 19	1,244	PH1	1.000	24.000
T8129022	2,9 x 22	1,327	PH1	1.000	12.000
T8129025	2,9 x 25	1,457	PH1	500	12.000
T8135006	3,5 x 6,5	1,022	PH2	1.000	24.000
T8135009	3,5 x 9,5	1,030	PH2	1.000	24.000
T8135013	3,5 x 13	1,251	PH2	500	15.000
T8135016	3,5 x 16	1,387	PH2	500	12.000
T8135019	3,5 x 19	1,580	PH2	500	12.000
T8135025	3,5 x 25	2,067	PH2	250	6.000
T8135032	3,5 x 32	2,462	PH2	250	6.000
T8139009	3,9 x 9,5	1,256	PH2	500	15.000
T8139013	3,9 x 13	1,525	PH2	500	12.000
T8139016	3,9 x 16	1,689	PH2	500	12.000
T8139019	3,9 x 19	1,936	PH2	500	12.000
T8139022	3,9 x 22	2,067	PH2	250	6.000
T8139025	3,9 x 25	2,348	PH2	250	6.000
T8139032	3,9 x 32	2,695	PH2	250	6.000
T8139038	3,9 x 38	3,155	PH2	250	6.000
T8139045	3,9 x 45	3,803	PH2	250	3.000
T8139050	3,9 x 50	4,223	PH2	250	3.000
T8142009	4,2 x 9,5	1,617	PH2	500	12.000
T8142013	4,2 x 13	1,710	PH2	500	12.000
T8142016	4,2 x 16	1,963	PH2	500	12.000
T8142019	4,2 x 19	2,040	PH2	500	8.000
T8142022	4,2 x 22	2,581	PH2	250	6.000
T8142025	4,2 x 25	2,591	PH2	250	6.000
T8142032	4,2 x 32	3,030	PH2	250	6.000
T8142038	4,2 x 38	3,546	PH2	250	3.000
T8142045	4,2 x 45	4,057	PH2	250	3.000
T8142050	4,2 x 50	4,291	PH2	250	3.000
T8142060	4,2 x 60	5,890	PH2	250	3.000
T8142070	4,2 x 70	6,613	PH2	250	1.500
T8142080	4,2 x 80	7,877	PH2	250	1.500
T8142090	4,2 x 90	9,640	PH2	250	1.500
T8148009	4,8 x 9,5	2,258	PH2	500	12.000
T8148013	4,8 x 13	2,263	PH2	500	8.000
T8148016	4,8 x 16	2,533	PH2	250	6.000
T8148019	4,8 x 19	3,137	PH2	250	6.000
T8148022	4,8 x 22	3,307	PH2	250	6.000

CODE	SIZE	€/100			
T8148025	4,8 x 25	3,600	PH2	250	6.000
T8148032	4,8 x 32	3,897	PH2	250	4.000
T8148038	4,8 x 38	4,733	PH2	250	3.000
T8148045	4,8 x 45	5,267	PH2	250	3.000
T8148050	4,8 x 50	5,837	PH2	250	3.000
T8148060	4,8 x 60	7,350	PH2	250	1.500
T8148070	4,8 x 70	8,740	PH2	100	1.200
T8148080	4,8 x 80	10,730	PH2	100	1.200
T8148090	4,8 x 90	12,430	PH2	100	1.200
T8148100	4,8 x 100	13,520	PH2	100	1.200
T8148110	4,8 x 110	16,971	PH2	100	1.200
T8148120	4,8 x 120	20,037	PH2	100	1.200
T8155013	5,5 x 13	3,454	PH3	250	6.000
T8155016	5,5 x 16	3,533	PH3	250	6.000
T8155019	5,5 x 19	3,866	PH3	250	6.000
T8155022	5,5 x 22	4,480	PH3	250	4.000
T8155025	5,5 x 25	4,702	PH3	250	4.000
T8155032	5,5 x 32	5,406	PH3	250	3.000
T8155038	5,5 x 38	6,040	PH3	250	3.000
T8155045	5,5 x 45	6,913	PH3	250	3.000
T8155050	5,5 x 50	7,557	PH3	250	1.500
T8155060	5,5 x 60	9,555	PH3	100	1.200
T8155070	5,5 x 70	10,420	PH3	100	1.200
T8155080	5,5 x 80	12,992	PH3	100	1.200
T8155090	5,5 x 90	15,208	PH3	100	1.200
T8155100	5,5 x 100	17,770	PH3	100	1.200
T8155110	5,5 x 110	21,522	PH3	100	1.200
T8155120	5,5 x 120	23,154	PH3	100	1.200
T8163016	6,3 x 16	4,838	PH3	250	4.000
T8163019	6,3 x 19	5,348	PH3	250	3.000
T8163022	6,3 x 22	5,730	PH3	250	3.000
T8163025	6,3 x 25	6,000	PH3	250	3.000
T8163032	6,3 x 32	7,647	PH3	250	3.000
T8163038	6,3 x 38	8,490	PH3	250	1.500
T8163045	6,3 x 45	9,523	PH3	250	1.500
T8163050	6,3 x 50	11,050	PH3	250	1.500
T8163060	6,3 x 60	12,537	PH3	100	1.200
T8163070	6,3 x 70	14,260	PH3	100	1.200
T8163080	6,3 x 80	17,640	PH3	100	1.200
T8163090	6,3 x 90	23,007	PH3	50	600
T8163100	6,3 x 100	26,608	PH3	50	600
T8163110	6,3 x 110	29,183	PH3	50	600
T8163120	6,3 x 120	31,309	PH3	50	600


BLISTER and WINDOW BOX
Next page

COLOUR LAQUERED SCREW FIXINGS

FURTHER INFORMATION ON PAGE 189

ONLY HEAD

COMPLETE
SCREW

DIN-7981 HP

Self-tapping screw with panhead, Ph recess.

DIN-7981 HP Z

Zinc-plated. Ph recess.



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZT8135009	3,5 x 9,5	1,803	40	20
BZT8135013	3,5 x 13	1,803	20	20
BZT8135016	3,5 x 16	1,803	20	20
BZT8135019	3,5 x 19	1,803	20	20
BZT8139013	3,9 x 13	1,803	20	20
BZT8139016	3,9 x 16	1,803	20	20
BZT8139019	3,9 x 19	1,803	20	20
BZT8139025	3,9 x 25	1,803	10	20
BZT8139032	3,9 x 32	1,803	10	20
BZT8142009	4,2 x 9,5	1,803	20	20
BZT8142013	4,2 x 13	1,803	20	20
BZT8142016	4,2 x 16	1,803	20	20
BZT8142019	4,2 x 19	1,803	20	20
BZT8142025	4,2 x 25	1,803	10	20
BZT8142032	4,2 x 32	1,803	10	20
BZT8142038	4,2 x 38	1,803	10	20
BZT8148016	4,8 x 16	1,803	10	20
BZT8148019	4,8 x 19	1,803	10	20
BZT8148025	4,8 x 25	1,803	10	20
BZT8148032	4,8 x 32	1,803	10	20
BZT8148038	4,8 x 38	1,803	10	20
BZT8148050	4,8 x 50	1,803	10	20
BZT8148060	4,8 x 60	1,803	10	20
BZT8155025	5,5 x 25	1,803	10	20
BZT8155032	5,5 x 32	1,803	10	20
BZT8155038	5,5 x 38	1,803	10	20
BZT8155050	5,5 x 50	1,803	10	20



Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VT8135009	3,5 x 9,5	3,818	250	8
VT8135013	3,5 x 13	3,750	200	8
VT8135016	3,5 x 16	4,134	200	8
VT8135019	3,5 x 19	4,579	200	8
VT8135025	3,5 x 25	6,198	200	8
VT8139009	3,9 x 9,5	3,769	200	8
VT8139013	3,9 x 13	4,428	200	8
VT8139016	3,9 x 16	4,964	200	8
VT8139019	3,9 x 19	4,277	150	8
VT8139022	3,9 x 22	3,178	100	8
VT8139025	3,9 x 25	3,555	100	8
VT8142009	4,2 x 9,5	4,855	200	8
VT8142013	4,2 x 13	4,944	200	8
VT8142016	4,2 x 16	6,001	200	8
VT8142019	4,2 x 19	4,680	150	8
VT8142022	4,2 x 22	3,869	100	8
VT8142025	4,2 x 25	3,814	100	8
VT8142032	4,2 x 32	4,498	100	8
VT8142038	4,2 x 38	3,974	75	8
VT8142050	4,2 x 50	3,201	50	8
VT8148009	4,8 x 9,5	4,760	150	8
VT8148013	4,8 x 13	4,956	150	8
VT8148016	4,8 x 16	3,794	100	8
VT8148019	4,8 x 19	4,312	100	8
VT8148025	4,8 x 25	5,124	100	8
VT8148032	4,8 x 32	5,622	100	8
VT8148038	4,8 x 38	7,107	100	8
VT8148045	4,8 x 45	5,617	70	8
VT8148050	4,8 x 50	4,380	50	8
VT8148060	4,8 x 60	5,518	50	8
VT8148070	4,8 x 70	5,249	40	8
VT8148080	4,8 x 80	3,889	25	8
VT8155019	5,5 x 19	5,720	100	8
VT8155025	5,5 x 25	6,251	90	8
VT8155032	5,5 x 32	8,020	100	8
VT8155038	5,5 x 38	6,867	75	8

DIN-7981 HP B

White. Ph recess.



METAL



CODE	SIZE	€/100			
T813509BLE	3,5 x 9,5	3,520	PH2	1.000	24.000
T814213BLE	4,2 x 13	5,600	PH2	500	12.000
T814225BLE	4,2 x 25	8,777	PH2	250	6.000

DIN-7981 HP N

Black. Ph recess.



METAL



CODE	SIZE	€/100			
TZN812909	2,9 x 9,5	1,506	PH1	1.000	30.000
TZN813513	3,5 x 13	2,026	PH2	500	15.000
TZN813516	3,5 x 16	2,479	PH2	500	12.000
TZN813519	3,5 x 19	2,815	PH2	500	12.000
TZN813525	3,5 x 25	3,825	PH2	250	6.000
TZN814216	4,2 x 16	3,240	PH2	500	12.000
TZN814219	4,2 x 19	3,509	PH2	500	8.000
TZN814225	4,2 x 25	3,937	PH2	250	6.000
TZN814232	4,2 x 32	5,525	PH2	250	6.000
TZN814238	4,2 x 38	6,256	PH2	250	3.000
TZN814816	4,8 x 16	4,515	PH2	250	6.000
TZN814819	4,8 x 19	4,981	PH2	250	6.000
TZN814822	4,8 x 22	5,294	PH2	250	6.000
TZN814825	4,8 x 25	5,250	PH2	250	6.000
TZN814838	4,8 x 38	7,725	PH2	250	3.000
TZN814850	4,8 x 50	11,002	PH2	250	3.000

Self-tapping screw with panhead, Ph recess.

DIN-7981 HP

STAINLESS STEEL



CODE	SIZE	€/100			
• TA2813532	3,5 x 32	6,690	PH2	250	6.000
• TA2813909	3,9 x 9,5	6,153	PH2	500	15.000
• TA2813913	3,9 x 13	5,503	PH2	500	12.000
• TA2813922	3,9 x 22	7,637	PH2	250	11.250
• TA2813925	3,9 x 25	8,657	PH2	250	6.000
• TA2815519	5,5 x 19	15,463	PH3	250	6.000

• Availability: end of stock

DIN-7981 HP A2

Stainless steel A2



Self tapping screw with countersunk head, Ph recess

DIN-7982 HP

STAINLESS STEEL



CODE	SIZE	€/100			
• TA2825513	5,5 x 13	10,750	PH3	250	6.000

• Availability: end of stock

DIN-7982 HP A2

A2 Stainless steel. Ph recess.



METAL



CODE	SIZE	€/100			
T824219BLE	4,2 x 19	6,392	PH2	500	12.000

DIN-7982 HP B

White. Ph recess.



METAL



CODE	SIZE	€/100			
TZN824219	4,2 x 19	3,519	PH2	500	12.000
TZN824225	4,2 x 25	5,246	PH2	250	6.000

DIN-7982 HP N

Black. Ph recess.



DIN-7982 HP

Self tapping screw with countersunk head, Ph recess

DIN-7982 HP Z

Zinc-plated. Ph recess.



CODE	SIZE	€/100			
T8229006	2,9 x 6,5	0,924	PH1	1.000	45.000
T8229009	2,9 x 9,5	0,906	PH1	1.000	45.000
T8229013	2,9 x 13	0,917	PH1	1.000	45.000
T8229016	2,9 x 16	0,948	PH1	1.000	24.000
T8229019	2,9 x 19	1,167	PH1	1.000	24.000
T8229022	2,9 x 22	1,181	PH1	1.000	24.000
T8229025	2,9 x 25	1,476	PH1	500	12.000
T8235009	3,5 x 9,5	1,013	PH2	1.000	24.000
T8235013	3,5 x 13	1,135	PH2	500	22.500
T8235016	3,5 x 16	1,258	PH2	500	22.500
T8235019	3,5 x 19	1,418	PH2	500	12.000
T8235022	3,5 x 22	1,574	PH2	500	12.000
T8235025	3,5 x 25	1,928	PH2	250	11.250
T8235032	3,5 x 32	2,292	PH2	250	6.000
T8235038	3,5 x 38	2,601	PH2	250	6.000
T8239009	3,9 x 9,5	1,243	PH2	500	22.500
T8239013	3,9 x 13	1,308	PH2	500	12.000
T8239016	3,9 x 16	1,511	PH2	500	12.000
T8239019	3,9 x 19	1,662	PH2	500	12.000
T8239022	3,9 x 22	2,070	PH2	250	6.000
T8239025	3,9 x 25	2,252	PH2	250	6.000
T8239032	3,9 x 32	2,730	PH2	250	6.000
T8239038	3,9 x 38	2,984	PH2	250	6.000
T8239045	3,9 x 45	3,454	PH2	250	3.000
T8239050	3,9 x 50	4,051	PH2	250	3.000
T8242013	4,2 x 13	1,459	PH2	500	15.000
T8242016	4,2 x 16	1,620	PH2	500	12.000
T8242019	4,2 x 19	1,889	PH2	500	12.000
T8242022	4,2 x 22	2,323	PH2	250	11.250
T8242025	4,2 x 25	2,416	PH2	250	6.000
T8242032	4,2 x 32	2,938	PH2	250	6.000
T8242038	4,2 x 38	3,342	PH2	250	6.000
T8242045	4,2 x 45	3,864	PH2	250	3.000



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZT8242019	4,2 x 19	1,803	20	20
BZT8242025	4,2 x 25	1,803	10	20
BZT8248025	4,8 x 25	1,803	10	20
BZT8248038	4,8 x 38	1,803	10	20

CODE	SIZE	€/100			
T8242050	4,2 x 50	4,397	PH2	250	3.000
T8242060	4,2 x 60	5,450	PH2	250	3.000
T8242070	4,2 x 70	6,579	PH2	250	3.000
T8248013	4,8 x 13	1,996	PH2	500	12.000
T8248016	4,8 x 16	2,276	PH2	250	11.250
T8248019	4,8 x 19	2,744	PH2	250	6.000
T8248022	4,8 x 22	2,946	PH2	250	6.000
T8248025	4,8 x 25	3,343	PH2	250	6.000
T8248032	4,8 x 32	3,734	PH2	250	6.000
T8248038	4,8 x 38	4,572	PH2	250	3.000
T8248045	4,8 x 45	5,164	PH2	250	3.000
T8248050	4,8 x 50	6,171	PH2	250	3.000
T8248060	4,8 x 60	7,023	PH2	250	1.500
T8248070	4,8 x 70	8,592	PH2	100	2.400
T8255013	5,5 x 13	2,804	PH3	250	7.500
T8255016	5,5 x 16	3,144	PH3	250	6.000
T8255019	5,5 x 19	3,547	PH3	250	6.000
T8255022	5,5 x 22	4,129	PH3	250	6.000
T8255025	5,5 x 25	4,356	PH3	250	6.000
T8255032	5,5 x 32	5,127	PH3	250	3.000
T8255038	5,5 x 38	5,720	PH3	250	3.000
T8255045	5,5 x 45	6,797	PH3	250	3.000
T8255050	5,5 x 50	8,346	PH3	250	1.500
T8255060	5,5 x 60	9,668	PH3	100	1.200
T8255070	5,5 x 70	10,873	PH3	100	1.200
T8263025	6,3 x 25	6,204	PH3	250	3.000
T8263032	6,3 x 32	7,821	PH3	250	3.000
T8263038	6,3 x 38	8,077	PH3	250	3.000
T8263045	6,3 x 45	8,215	PH3	250	1.500
T8263050	6,3 x 50	9,851	PH3	250	1.500
T8263060	6,3 x 60	13,760	PH3	100	1.200
T8263070	6,3 x 70	14,389	PH3	100	1.200



Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VT8235009	3,5 x 9,5	3,581	250	8
VT8235013	3,5 x 13	3,331	200	8
VT8235016	3,5 x 16	3,656	200	8
VT8235019	3,5 x 19	4,052	200	8
VT8235025	3,5 x 25	2,750	100	8
VT8239016	3,9 x 16	4,292	200	8
VT8239019	3,9 x 19	4,711	200	8
VT8239022	3,9 x 22	3,001	100	8
VT8239025	3,9 x 25	3,258	100	8
VT8242016	4,2 x 16	4,616	200	8
VT8242019	4,2 x 19	5,291	200	8
VT8242025	4,2 x 25	3,512	100	8
VT8242032	4,2 x 32	4,184	100	8
VT8248019	4,8 x 19	3,855	100	8
VT8248025	4,8 x 25	4,788	100	8
VT8248032	4,8 x 32	5,080	95	8
VT8248038	4,8 x 38	5,239	80	8
VT8255032	5,5 x 32	5,576	75	8
VT8255038	5,5 x 38	5,799	70	8

Screws for PVC windows

PVC

METAL



CODE	SIZE	€/100			
• P103925	3,9 x 25	2,125	PH2	1000	12000
• P103930	3,9 x 30	2,606	PH2	1.000	12.000

• Availability: end of stock

PVC-10 B

Yellow zinc-plated, head diameter 7,5mm



METAL



CODE	SIZE	€/100			
P103925Z	3,9 x 25	2,169	PH2	1.000	12.000
P103930Z	3,9 x 30	2,670	PH2	1.000	12.000
P103938Z	3,9 x 38	2,897	PH2	500	6.000
P103945Z	3,9 x 45	3,740	PH2	500	3.000

PVC-10 Z

Zinc-plated, head diameter 7,5mm



METAL



CODE	SIZE	€/100			
• P204319	4,3 x 19	1,872	PH2	1.000	12.000
• P204322	4,3 x 22	1,918	PH2	1.000	12.000
P204325	4,3 x 25	2,212	PH2	1.000	12.000
P204330	4,3 x 30	2,407	PH2	1.000	6.000
P204338	4,3 x 38	3,020	PH2	500	6.000
P204345	4,3 x 45	3,418	PH2	500	3.000
P204355	4,3 x 55	4,165	PH2	500	3.000

• Availability: end of stock

PVC-20 B

Yellow zinc-plated, reduced head diameter 7 mm



METAL



CODE	SIZE	€/100			
P204316Z	4,3 x 16	1,724	PH2	1.000	24.000
P204319Z	4,3 x 19	1,872	PH2	1.000	12.000
P204322Z	4,3 x 22	1,909	PH2	1.000	12.000
P204325Z	4,3 x 25	2,212	PH2	1.000	12.000
P204330Z	4,3 x 30	2,407	PH2	1.000	6.000
P204338Z	4,3 x 38	3,020	PH2	500	6.000
P204345Z	4,3 x 45	3,409	PH2	500	3.000
P204355Z	4,3 x 55	4,165	PH2	500	3.000

PVC-20 Z

Zinc-plated, reduced head diameter 7 mm



METAL



CODE	SIZE	€/100			
P304825	4,8 x 25	4,525	PH2	500	6.000
P304838	4,8 x 38	6,395	PH2	500	6.000

PVC-30

Repair screw, head diameter 7,5 mm



PVC

Screws for PVC windows

PVC-40 B

Yellow zinc-plated, drill point



METAL



CODE	SIZE	€/100			
P403916	3,9 x 16	2,169	PH2	1.000	16.000
P403919	3,9 x 19	2,319	PH2	1.000	12.000
P403925	3,9 x 25	2,673	PH2	1.000	12.000
P403932	3,9 x 32	3,358	PH2	1.000	6.000
P403938	3,9 x 38	3,765	PH2	500	6.000

PVC-40 Z

Zinc-plated, drill point



METAL



CODE	SIZE	€/100			
P403913Z	3,9 x 13	1,664	PH2	1.000	24.000
P403916Z	3,9 x 16	2,180	PH2	1.000	16.000
P403919Z	3,9 x 19	2,330	PH2	1.000	12.000
P403925Z	3,9 x 25	2,713	PH2	1.000	12.000
P403932Z	3,9 x 32	3,294	PH2	1.000	6.000
P403938Z	3,9 x 38	3,711	PH2	500	6.000

PVC-50 B

Yellow zinc-plated, metric thread, drill point



METAL



CODE	SIZE	€/100			
P50M416	M4 x 16	2,234	PH2	1.000	16.000
P50M419	M4 x 19	2,713	PH2	1.000	12.000
P50M425	M4 x 25	3,210	PH2	1.000	12.000
P50M432	M4 x 32	3,628	PH2	1.000	6.000
P50M438	M4 x 38	4,437	PH2	500	6.000

Screws for PVC windows

PVC

METAL



CODE	SIZE	€/100			
P50M413Z	M4 x 13	2,084	PH2	1.000	24.000
P50M416Z	M4 x 16	2,234	PH2	1.000	16.000
P50M419Z	M4 x 19	2,700	PH2	1.000	12.000
P50M425Z	M4 x 25	3,210	PH2	1.000	12.000
P50M432Z	M4 x 32	3,628	PH2	1.000	6.000

PVC-50 Z

Zinc-plated, metric thread, drill point



METAL



CODE	SIZE	€/100			
P704855	4,8 x 55	7,882	PH2	500	3.000
P704865	4,8 x 65	10,394	PH2	500	2.000
P704880	4,8 x 80	13,110	PH2	250	1.500
P704895	4,8 x 95	18,624	PH2	250	1.500

PVC-70

Yellow zinc-plated, to accept caps available



METAL



CODE	DIAMETER	COLOR	€/100		
P70TPBL	13		2,754	1.000	24.000
P70TPNG	13		2,754	1.000	24.000

PVC-70 TP

Nylon cap for PVC-70 screws



METAL



CODE	SIZE	€/100			
P903510	3,5 x 10	2,638	PH2	1.000	24.000
P904017	4 x 17	3,458	PH2	1.000	12.000

PVC-90

Low panhead with washer



PVC

Screws for PVC windows

PVC-VEK

Zinc-plated, nipple head



METAL



CODE	SIZE	€/100			
P100VEK	VEKAPLAST 4,8 x 10	14,100	PH2	500	6.000

PVC-VEK 13

Yellow zinc-plated, nipple head



METAL



CODE	SIZE	€/100			
P100VEK13	VEKAPLAST 4 x 10	13,055	PH2	500	12.000

PVC-VEK 10

Yellow zinc-plated, nipple head



METAL



CODE	SIZE	€/100			
P100VEK10	VEKAPLAST 4 x 10	11,684	PH2	500	

PVC-KOM 10

Yellow zinc-plated, nipple head



METAL



CODE	SIZE	€/100			
P100KOM10	KOMMERLING 4 x 10	14,454	PH2	500	6.000

WOOD SCREWS



TEX HIGH-PERFORMANCE CHIPBOARD SCREW FOR WOOD



INDEX Fixing Systems maintains its commitment to the environment and complies with European legislation by keeping all products free of Hexavalent chromium [Cr VI].



Self-cleaning

Ensures correct expulsion of generated wood debris and screw insertion.



LARGE MEASUREMENTS

SMALL MEASUREMENT



PZ



TX

Sockets

Deep recess socket which does not allow tip displacement during installation.



Special self-countersinking

Allows for perfect insertion in wood. Maximum level flatness when using ironwork. Mills in wood and stops in metal.

Materials for use

Suitable for all types of hardwood, solid and agglomerate woods.



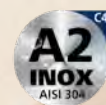
Available coatings



ZINC-PLATED



YELLOW
ZINC-PLATED



STAINLESS
STEEL A2



cording to EN 14592

Ultra-sharp tip

Allows for screwing with no prior drilling required.
Ultra-sharp tip geometry.

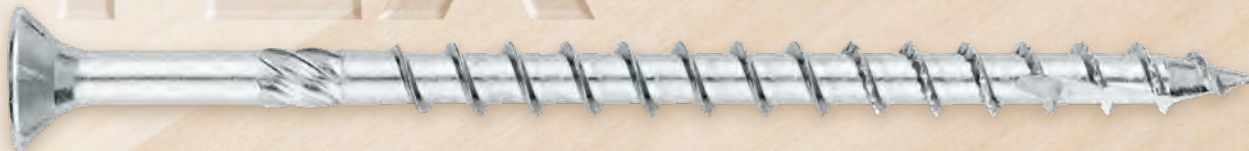
Express thread

Optimized thread diameter and length to guarantee maximum precision and speed during installation.

Serration

Makes installation in hardwood, solid and agglomerate woods easier, reducing installation torque.

TEX



ADVANTAGES

- No prior drilling required.
- More secure, faster and more precise application.
- Lessens possibility of wood cracking (even at very reduced critical edge distances).
- Multifunctional applications.
- Sits perfectly level on any surface.
- Short measurements suitable for use with ironwork.
- Wide range (available with PZ or Tx socket recess and in bichromated, zinc-plated or A2 stainless).
- Wide head (TEC-BT version):
 - **Use in wood carpentry and for medium or large structures.**
 - **Lessens screw torque, enabling easy screw insertion and minimizing wood damage.**
 - **Improved performance compared to screws with countersunk heads, greater load distribution.**

APPLICATIONS

- Suitable for use in wood structures.
- Fixing ironwork fittings to wood, fixing wood studs together, metallic join reinforcements to wood, load bearing wood structures.
- For joining woods together when the screw is required to be close to the edge.



Available packaging

Formats adapted to each user needs, from a professional to a self-employed or an ironmonger.



PROFESSIONAL BOX



BLISTER



WINDOW BOX

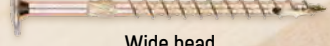


Self-cleaning

Serration

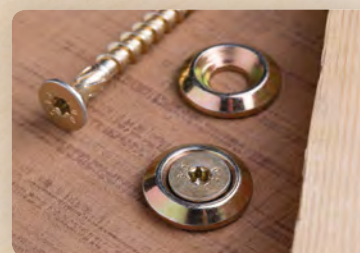
Wide head (TEC-BT version)

VERSIONS

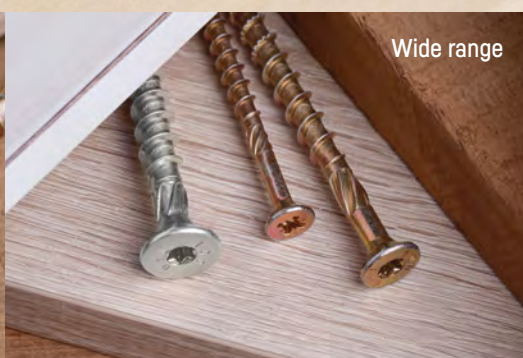
PICTURE	PRODUCT	MATERIAL	RECESS	HEAD	ASSESSMENT.
	TEX-BT				CE
	TEX-BP				CE
	TEX-ZT				CE
	TEX-ZP				CE
	TEX-A2				CE
 	TEC-BT				CE

Accessories

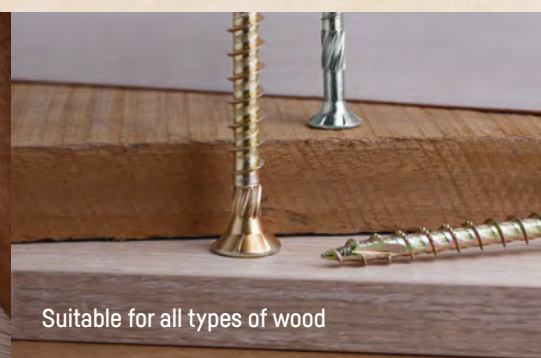
TEX-AB Washer. Various measurements available to combine with TEX-BT or TEX-BP, improved performance using greater fixing surface area.



Ultra-sharp tip



Wide range



Suitable for all types of wood

TEX

High-performance chipboard screw

TEX-BT

Yellow zinc-plated. Tx recess



16
Técnicas Expansivas S.L.
Segador 13, Logroño,
50900
EN 14592
Load bearing timber
structures

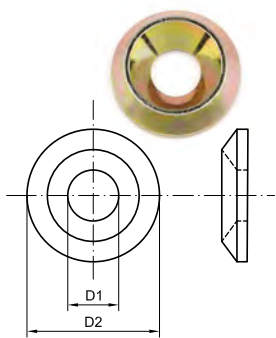
CODE	SIZE	€/100		MIN. ORDER QTY		
•TEXBT30016	NEW 3 x 16	1,649	TX10	2.000	1000	24000
•TEXBT30020	NEW 3 x 20	1,798	TX10	2.000	1000	24000
TEXBT30025	NEW 3 x 25	2,219	TX10	2.000	1000	24000
TEXBT30030	NEW 3 x 30	2,533	TX10	2.000	1000	12000
TEXBT30035	NEW 3 x 35	2,759	TX10	2.000	1000	12000
TEXBT30040	NEW 3 x 40	3,065	TX10	2.000	1000	6000
•TEXBT35012	NEW 3,5 x 12	1,895	TX15	2.000	1000	24000
•TEXBT35016	NEW 3,5 x 16	2,000	TX15	2.000	1000	24000
•TEXBT35020	NEW 3,5 x 20	2,150	TX15	2.000	1000	24000
TEXBT35025	NEW 3,5 x 25	2,685	TX15	2.000	1000	12000
TEXBT35030	NEW 3,5 x 30	2,906	TX15	2.000	1000	12000
TEXBT35035	NEW 3,5 x 35	3,265	TX15	2.000	1000	12000
TEXBT35040	NEW 3,5 x 40	4,162	TX15	1.000	500	6000
TEXBT35045	NEW 3,5 x 45	4,562	TX15	1.000	500	6000
TEXBT35050	NEW 3,5 x 50	4,658	TX15	1.000	500	6000
•TEXBT40016	4 x 16	1,980	TX20	2.000	1.000	24.000
•TEXBT40020	4 x 20	2,253	TX20	2.000	1.000	12.000
TEXBT40025	4 x 25	2,677	TX20	2.000	1.000	12.000
TEXBT40030	4 x 30	3,020	TX20	2.000	1.000	6.000
TEXBT40035	4 x 35	3,363	TX20	1.000	500	6.000
TEXBT40040	4 x 40	3,620	TX20	1.000	500	3.000
TEXBT40045	4 x 45	4,560	TX20	1.000	500	3.000
TEXBT40050	4 x 50	4,580	TX20	1.000	500	3.000
TEXBT40055	4 x 55	6,320	TX20	500	250	1.500
TEXBT40060	4 x 60	6,907	TX20	500	250	3.000
TEXBT40070	4 x 70	7,743	TX20	500	250	1.500
TEXBT45025	4,5 x 25	3,550	TX20	2.000	1.000	12.000
TEXBT45030	4,5 x 30	3,647	TX20	1.000	500	6.000
TEXBT45035	4,5 x 35	4,290	TX20	1.000	500	6.000
TEXBT45040	4,5 x 40	4,500	TX20	1.000	500	3.000
TEXBT45045	4,5 x 45	5,550	TX20	500	250	3.000
TEXBT45050	4,5 x 50	5,750	TX20	500	250	3.000
TEXBT45060	4,5 x 60	8,290	TX20	500	250	1.500
TEXBT45070	4,5 x 70	10,300	TX20	500	250	1.500
TEXBT45080	4,5 x 80	13,150	TX20	200	100	1.200
TEXBT50030	5 x 30	4,820	TX25	1.000	500	6.000
TEXBT50035	5 x 35	5,170	TX25	1.000	500	6.000
TEXBT50040	5 x 40	5,653	TX25	1.000	500	6.000
TEXBT50045	5 x 45	6,950	TX25	500	250	3.000
TEXBT50050	5 x 50	7,200	TX25	500	250	3.000
TEXBT50060	5 x 60	9,050	TX25	500	250	1.500
TEXBT50070	5 x 70	10,300	TX25	400	200	1.200
TEXBT50080	5 x 80	13,713	TX25	200	100	1.200
TEXBT50090	5 x 90	14,100	TX25	200	100	1.200
TEXBT50100	5 x 100	18,700	TX25	200	100	1.200
TEXBT50120	5 x 120	24,000	TX25	200	100	1.200
TEXBT60040	6 x 40	11,050	TX30	500	250	3.000

CODE	SIZE	€/100		MIN. ORDER QTY		
TEXBT60045	6 x 45	11,780	TX30	500	250	3.000
TEXBT60050	6 x 50	12,800	TX30	500	250	1.500
TEXBT60060	6 x 60	14,347	TX30	500	250	1.500
TEXBT60070	6 x 70	15,900	TX30	200	100	1.200
TEXBT60080	6 x 80	20,400	TX30	200	100	1.200
TEXBT60090	6 x 90	24,000	TX30	200	100	600
TEXBT60100	6 x 100	23,750	TX30	200	100	600
TEXBT60110	6 x 110	32,900	TX30	200	100	600
TEXBT60120	6 x 120	37,600	TX30	200	100	1200
TEXBT60130	6 x 130	37,913	TX30	200	100	600
TEXBT60140	6 x 140	44,907	TX30	200	100	600
TEXBT60150	6 x 150	51,030	TX30	200	100	600
TEXBT60160	6 x 160	63,290	TX30	100	100	600
TEXBT60180	6 x 180	79,860	TX30	100	100	800
TEXBT60200	6 x 200	102,930	TX30	100	100	800
TEXBT60220	6 x 220	113,420	TX30	100	100	-
TEXBT60240	6 x 240	128,400	TX30	100	100	-
TEXBT60260	6 x 260	152,420	TX30	100	100	-
TEXBT60280	6 x 280	169,550	TX30	100	100	-
TEXBT60300	6 x 300	181,720	TX30	100	100	-
TEXBT80080	8 x 80	40,363	TX40	200	100	600
TEXBT80100	8 x 100	41,117	TX40	100	50	300
TEXBT80120	8 x 120	64,227	TX40	100	50	300
TEXBT80140	8 x 140	65,270	TX40	50	50	300
TEXBT80160	8 x 160	97,507	TX40	50	50	300
TEXBT80180	8 x 180	101,503	TX40	50	50	150
TEXBT80200	8 x 200	114,293	TX40	50	50	150
TEXBT80220	8 x 220	143,327	TX40	50	50	150
TEXBT80240	8 x 240	149,017	TX40	50	50	-
TEXBT80260	8 x 260	174,520	TX40	50	50	-
TEXBT80280	8 x 280	187,310	TX40	50	50	-
TEXBT80300	8 x 300	192,277	TX40	50	50	-
TEXBT80320	8 x 320	236,597	TX40	50	50	-
TEXBT80340	8 x 340	278,010	TX40	50	50	-
TEXBT80360	8 x 360	307,157	TX40	50	50	-
TEXBT80380	8 x 380	336,483	TX40	50	50	-
TEXBT80400	8 x 400	360,623	TX40	50	50	-
TEXBT10080	10 x 80	63,677	TX40	50	50	-
TEXBT10100	10 x 100	80,743	TX40	50	50	-
TEXBT10120	10 x 120	101,220	TX40	50	50	-
TEXBT10140	10 x 140	122,097	TX40	50	50	-
TEXBT10160	10 x 160	142,580	TX40	50	50	-
TEXBT10180	10 x 180	191,677	TX40	50	50	-
TEXBT10200	10 x 200	215,333	TX40	50	50	-
TEXBT10220	10 x 220	237,733	TX40	50	50	-
TEXBT10240	10 x 240	262,267	TX40	50	50	-

• Non-approved sizes

TEX-AB

Conical washer



WOOD



CODE	SIZE	€/100		
TEXABM06	Ø6	39,076	100	2.400
TEXABM08	Ø8	50,374	100	2.400
TEXABM10	Ø10	74,317	100	1.200

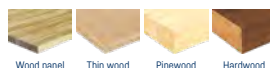
Higher performance
Improves performance through a
larger fixing surface.



High-performance chipboard screw

TEX

WOOD



TEX-BP

Yellow zinc-plated. Pz recess

CODE	SIZE	€/100		MIN. ORDER QTY.		
•TEXBP25010	2,5 x 10	0,957	PZ1	2.000	1.000	45000
•TEXBP25012	2,5 x 12	1,000	PZ1	2.000	1.000	45000
•TEXBP25016	2,5 x 16	1,127	PZ1	2.000	1.000	45000
TEXBP25020	2,5 x 20	1,243	PZ1	2.000	1.000	24000
TEXBP25025	2,5 x 25	1,387	PZ1	2.000	1.000	24000
•TEXBP30010	3 x 10	1,140	PZ1	2.000	1.000	45000
•TEXBP30012	3 x 12	1,173	PZ1	2.000	1.000	45000
•TEXBP30015	3 x 15	1,300	PZ1	2.000	1.000	24000
•TEXBP30016	3 x 16	1,330	PZ1	2.000	1.000	24000
•TEXBP30020	3 x 20	1,470	PZ1	2.000	1.000	24000
TEXBP30025	3 x 25	1,517	PZ1	2.000	1.000	24000
TEXBP30030	3 x 30	2,050	PZ1	2.000	1.000	12000
TEXBP30035	3 x 35	2,317	PZ1	2.000	1.000	12000
TEXBP30040	3 x 40	2,857	PZ1	2.000	1.000	6000
TEXBP30045	3 x 45	3,117	PZ1	1.000	500	6000
•TEXBP35010	3,5 x 10	1,253	PZ2	2.000	1.000	24000
•TEXBP35012	3,5 x 12	1,353	PZ2	2.000	1.000	24000
•TEXBP35015	3,5 x 15	1,440	PZ2	2.000	1.000	24000
•TEXBP35016	3,5 x 16	1,617	PZ2	2.000	1.000	24000
•TEXBP35020	3,5 x 20	1,763	PZ2	2.000	1.000	24000
TEXBP35025	3,5 x 25	2,037	PZ2	2.000	1.000	12000
TEXBP35030	3,5 x 30	2,357	PZ2	2.000	1.000	12000
TEXBP35035	3,5 x 35	2,960	PZ2	2.000	1.000	12000
TEXBP35040	3,5 x 40	2,970	PZ2	1.000	500	6000
TEXBP35045	3,5 x 45	4,150	PZ2	1.000	500	6000
TEXBP35050	3,5 x 50	5,033	PZ2	1.000	500	6000
•TEXBP40012	4 x 12	1,673	PZ2	2.000	1.000	24000
•TEXBP40015	4 x 15	1,833	PZ2	2.000	1.000	24000
•TEXBP40016	4 x 16	1,787	PZ2	2.000	1.000	24000
•TEXBP40020	4 x 20	2,050	PZ2	2.000	1.000	12000
•TEXBP40025	4 x 25	2,433	PZ2	2.000	1.000	12000
TEXBP40030	4 x 30	2,743	PZ2	2.000	1.000	6000
TEXBP40035	4 x 35	3,030	PZ2	1.000	500	6000
TEXBP40040	4 x 40	3,320	PZ2	1.000	500	3000
TEXBP40045	4 x 45	4,143	PZ2	1.000	500	3000
TEXBP40050	4 x 50	4,163	PZ2	1.000	500	3000
TEXBP40055	4 x 55	5,747	PZ2	500	250	1500

CODE	SIZE	€/100		MIN. ORDER QTY.		
TEXBP40060	4 x 60	6,223	PZ2	500	250	3000
TEXBP40070	4 x 70	7,040	PZ2	500	250	1500
TEXBP40080	4 x 80	8,243	PZ2	500	250	1500
•TEXBP45016	4,5 x 16	2,287	PZ2	2.000	1.000	12000
•TEXBP45020	4,5 x 20	2,627	PZ2	2.000	1.000	12000
•TEXBP45025	4,5 x 25	3,213	PZ2	2.000	1.000	12000
•TEXBP45030	4,5 x 30	3,317	PZ2	1.000	500	6000
TEXBP45035	4,5 x 35	3,900	PZ2	1.000	500	6000
TEXBP45040	4,5 x 40	4,141	PZ2	1.000	500	3000
TEXBP45045	4,5 x 45	5,040	PZ2	500	250	3000
TEXBP45050	4,5 x 50	5,272	PZ2	500	250	3000
TEXBP45060	4,5 x 60	7,470	PZ2	500	250	1500
TEXBP45070	4,5 x 70	9,350	PZ2	500	250	1500
TEXBP45080	4,5 x 80	11,940	PZ2	200	100	1200
•TEXBP50025	5 x 25	4,110	PZ2	2.000	1.000	6000
•TEXBP50030	5 x 30	4,297	PZ2	1.000	500	6000
TEXBP50035	5 x 35	4,600	PZ2	1.000	500	6000
TEXBP50040	5 x 40	5,047	PZ2	1.000	500	6000
TEXBP50045	5 x 45	6,170	PZ2	500	250	3000
TEXBP50050	5 x 50	6,420	PZ2	500	250	3000
TEXBP50060	5 x 60	8,073	PZ2	500	250	1500
TEXBP50070	5 x 70	9,193	PZ2	400	200	1200
TEXBP50080	5 x 80	12,243	PZ2	200	100	1200
TEXBP50090	5 x 90	12,587	PZ2	200	100	1200
TEXBP50100	5 x 100	16,697	PZ2	200	100	1200
TEXBP50110	5 x 110	18,890	PZ2	200	100	1200
TEXBP50120	5 x 120	21,417	PZ2	200	100	1200
•TEXBP60040	6 x 40	9,620	PZ3	500	250	3000
•TEXBP60045	6 x 45	10,240	PZ3	500	250	3000
•TEXBP60050	6 x 50	11,427	PZ3	500	250	1500
TEXBP60060	6 x 60	12,473	PZ3	500	250	1500
TEXBP60070	6 x 70	13,810	PZ3	200	100	1200
TEXBP60080	6 x 80	17,777	PZ3	200	100	1200
TEXBP60090	6 x 90	20,880	PZ3	200	100	600
TEXBP60100	6 x 100	20,650	PZ3	200	100	600
TEXBP60110	6 x 110	28,620	PZ3	200	100	600
TEXBP60120	6 x 120	32,750	PZ3	200	100	600

• Non-approved sizes



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZTXBP30016	3 x 16	2,278	40	20
BZTXBP30020	3 x 20	2,278	40	20
BZTXBP30025	3 x 25	2,278	40	20
BZTXBP30030	3 x 30	2,278	40	20
•BZTXBP35016	3,5 x 16	2,278	40	20
BZTXBP35020	3,5 x 20	2,278	40	20
BZTXBP35025	3,5 x 25	2,278	40	20
BZTXBP35030	3,5 x 30	2,278	40	20
BZTXBP35035	3,5 x 35	2,278	20	20
BZTXBP35040	3,5 x 40	2,278	20	20
BZTXBP35050	3,5 x 50	2,278	20	20
BZTXBP40025	4 x 25	2,278	40	20
BZTXBP40030	4 x 30	2,278	20	20
BZTXBP40035	4 x 35	2,278	20	20
BZTXBP40040	4 x 40	2,278	20	20
BZTXBP40045	4 x 45	2,278	20	20
BZTXBP40050	4 x 50	2,278	10	20
BZTXBP40060	4 x 60	2,278	10	20
BZTXBP45030	4,5 x 30	2,278	20	20
BZTXBP45035	4,5 x 35	2,278	20	20
BZTXBP45040	4,5 x 40	2,278	20	20
BZTXBP45045	4,5 x 45	2,278	10	20
BZTXBP45050	4,5 x 50	2,278	10	20
BZTXBP45060	4,5 x 60	2,278	10	20
BZTXBP45070	4,5 x 70	2,278	10	20
BZTXBP50030	5 x 30	2,278	10	20
BZTXBP50035	5 x 35	2,278	10	20
BZTXBP50040	5 x 40	2,278	10	20
BZTXBP50050	5 x 50	2,278	10	20
BZTXBP50060	5 x 60	2,278	10	20
BZTXBP50070	5 x 70	2,278	4	20
BZTXBP50080	5 x 80	2,278	4	20
BZTXBP60050	6 x 50	2,278	10	20
BZTXBP60060	6 x 60	2,278	10	20
BZTXBP60070	6 x 70	2,278	4	20
BZTXBP60080	6 x 80	2,278	4	20



Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VTEXBP30016	3 x 16	3,626	200	8
VTEXBP30020	3 x 20	4,010	200	8
VTEXBP30025	3 x 25	4,131	200	8
VTEXBP30030	3 x 30	4,754	170	8
VTEXBP30040	3 x 40	4,673	120	8
•VTEXBP35016	3,5 x 16	4,410	200	8
VTEXBP35020	3,5 x 20	4,811	200	8
VTEXBP35025	3,5 x 25	4,717	170	8
VTEXBP35030	3,5 x 30	4,818	150	8
VTEXBP35035	3,5 x 35	4,037	100	8
VTEXBP35040	3,5 x 40	3,037	75	8
VTEXBP35050	3,5 x 50	5,148	75	8
VTEXBP40025	4 x 25	4,144	125	8
VTEXBP40030	4 x 30	3,740	100	8
VTEXBP40035	4 x 35	3,097	75	8
VTEXBP40040	4 x 40	3,360	75	8
VTEXBP40045	4 x 45	4,235	75	8
VTEXBP40050	4 x 50	2,838	50	8
VTEXBP40060	4 x 60	4,242	50	8
VTEXBP45030	4,5 x 30	4,521	100	8
VTEXBP45035	4,5 x 35	3,986	75	8
VTEXBP45040	4,5 x 40	4,195	75	8
VTEXBP45045	4,5 x 45	3,437	50	8
VTEXBP45050	4,5 x 50	3,559	50	8
VTEXBP45060	4,5 x 60	5,094	50	8
VTEXBP45070	4,5 x 70	6,373	50	8
VTEXBP50030	5 x 30	4,394	75	8
VTEXBP50035	5 x 35	4,707	75	8
VTEXBP50040	5 x 40	3,441	50	8
VTEXBP50050	5 x 50	4,377	50	8
VTEXBP50060	5 x 60	2,754	25	8
VTEXBP50070	5 x 70	3,134	25	8
VTEXBP50080	5 x 80	4,175	25	8
VTEXBP50090	5 x 90	4,289	25	8
VTEXBP60050	6 x 50	6,232	40	8
VTEXBP60060	6 x 60	5,104	30	8
VTEXBP60070	6 x 70	3,767	20	8
VTEXBP60080	6 x 80	4,848	20	8

TEX

High-performance chipboard screw

TEC-BT

Chipboard washer head yellow zinc-plated. Tx recess



17
Técnicas Expansivas S.L.
Segador 13. Logroño.
Spain
EN 14592
Load bearing timber
structures

TEX-ZT

Zinc-plated. Tx recess



16
Técnicas Expansivas S.L.
Segador 13. Logroño.
Spain
EN 14592
Load bearing timber
structures

TEX-A2

A2 Stainless steel. Tx recess



18
Técnicas Expansivas S.L.
Segador 13. Logroño.
Spain
EN 14592
Load bearing timber
structures

WOOD



CODE	SIZE	€/100			
TECBT60080	6 x 80	24,970	TX30	200	1.200
TECBT60100	6 x 100	29,070	TX30	100	1.200
TECBT60120	6 x 120	46,022	TX30	100	600
TECBT60140	6 x 140	54,964	TX30	100	600
TECBT60160	6 x 160	77,466	TX30	100	400
TECBT60180	6 x 180	97,750	TX30	100	-
TECBT60200	6 x 200	125,987	TX40	100	-
TECBT80080	8 x 80	49,402	TX40	50	600
TECBT80100	8 x 100	51,167	TX40	50	300
TECBT80120	8 x 120	78,611	TX40	50	300
TECBT80140	8 x 140	81,889	TX40	50	300
TECBT80160	8 x 160	119,347	TX40	50	300
TECBT80180	8 x 180	124,243	TX40	50	-
TECBT80200	8 x 200	139,896	TX40	50	-
TECBT80220	8 x 220	175,430	TX40	50	-

CODE	SIZE	€/100			
TECBT80240	8 x 240	182,396	TX40	50	-
TECBT80260	8 x 260	213,615	TX40	50	-
TECBT80280	8 x 280	229,269	TX40	50	-
TECBT80300	8 x 300	245,154	TX40	50	-
TECBT10100	10 x 100	98,831	TX40	50	300
TECBT10120	10 x 120	123,893	TX40	50	300
TECBT10140	10 x 140	149,444	TX40	50	300
TECBT10160	10 x 160	174,519	TX40	50	200
TECBT10180	10 x 180	234,610	TX40	50	-
TECBT10200	10 x 200	263,568	TX40	25	-
TECBT10220	10 x 220	290,986	TX40	25	-
TECBT10240	10 x 240	321,014	TX40	25	-
TECBT10260	10 x 260	356,544	TX40	25	-
TECBT10280	10 x 280	400,024	TX40	25	-
TECBT10300	10 x 300	438,039	TX40	25	-

WOOD



CODE	SIZE	€/100		MIN. ORDER QTY.		
•TEXZT30016 NEW	3 x 16	1,649	TX10	2.000	1000	24000
•TEXZT30020 NEW	3 x 20	1,798	TX10	2.000	1000	24000
•TEXZT30025 NEW	3 x 25	2,219	TX10	2.000	1000	24000
TEXZT30030 NEW	3 x 30	2,533	TX10	2.000	1000	12000
TEXZT30035 NEW	3 x 35	2,759	TX10	2.000	1000	12000
TEXZT30040 NEW	3 x 40	3,065	TX10	2.000	1000	6000
•TEXZT35012 NEW	3,5 x 12	1,895	TX15	2.000	1000	24000
•TEXZT35016 NEW	3,5 x 16	2,000	TX15	2.000	1000	24000
•TEXZT35020 NEW	3,5 x 20	2,150	TX15	2.000	1000	24000
TEXZT35025 NEW	3,5 x 25	2,685	TX15	2.000	1000	12000
TEXZT35030 NEW	3,5 x 30	2,906	TX15	2.000	1000	12000
TEXZT35035 NEW	3,5 x 35	3,265	TX15	2.000	1000	12000
TEXZT35040 NEW	3,5 x 40	4,162	TX15	1.000	500	6000
TEXZT35045 NEW	3,5 x 45	4,562	TX15	1.000	500	6000
TEXZT35050 NEW	3,5 x 50	4,658	TX15	1.000	500	6000
•TEXZT40016 NEW	4 x 16	1,980	TX20	2.000	1000	24000
•TEXZT40020 NEW	4 x 20	2,253	TX20	2.000	1000	12000
•TEXZT40025 NEW	4 x 25	2,677	TX20	2.000	1000	12000
TEXZT40030 NEW	4 x 30	3,020	TX20	2.000	1000	6000
TEXZT40035 NEW	4 x 35	3,363	TX20	1.000	500	6000
TEXZT40040 NEW	4 x 40	3,620	TX20	1.000	500	3000
TEXZT40045 NEW	4 x 45	4,560	TX20	1.000	500	3000
TEXZT40050 NEW	4 x 50	4,580	TX20	1.000	500	3000
TEXZT40055 NEW	4 x 55	6,320	TX20	500	250	3000
TEXZT40060 NEW	4 x 60	6,907	TX20	500	250	3000
TEXZT40070 NEW	4 x 70	7,743	TX20	500	250	1500
TEXZT45030	4,5 x 30	3,647	TX20	1.000	500	6.000
TEXZT45035	4,5 x 35	4,290	TX20	1.000	500	6.000
TEXZT45040	4,5 x 40	4,500	TX20	1.000	500	3.000
TEXZT45050	4,5 x 50	5,750	TX20	500	250	3.000
TEXZT45060	4,5 x 60	8,290	TX20	500	250	1.500

CODE	SIZE	€/100		MIN. ORDER QTY.		
TEXZT45070	4,5 x 70	10,300	TX20	500	250	1.500
TEXZT45080	4,5 x 80	13,150	TX20	200	100	1.200
TEXZT50030	5 x 30	4,820	TX25	1.000	500	6.000
TEXZT50035	5 x 35	5,170	TX25	1.000	500	6.000
TEXZT50040	5 x 40	5,653	TX25	1.000	500	6.000
TEXZT50045	5 x 45	6,950	TX25	500	250	3.000
TEXZT50050	5 x 50	7,200	TX25	500	250	3.000
TEXZT50060	5 x 60	9,050	TX25	500	250	1.500
TEXZT50070	5 x 70	10,300	TX25	400	200	1.200
TEXZT50080	5 x 80	13,713	TX25	200	100	1.200
TEXZT50090	5 x 90	14,100	TX25	200	100	1.200
TEXZT50100	5 x 100	18,700	TX25	200	100	1.200
TEXZT60050	6 x 50	12,800	TX30	500	250	1.500
TEXZT60060	6 x 60	14,347	TX30	500	250	1.500
TEXZT60070	6 x 70	15,900	TX30	200	100	1.200
TEXZT60080	6 x 80	20,400	TX30	200	100	1.200
TEXZT60090	6 x 90	24,000	TX30	200	100	600
TEXZT60100	6 x 100	23,750	TX30	200	100	600
TEXZT60110	6 x 110	32,900	TX30	200	100	600
TEXZT60120	6 x 120	37,600	TX30	200	100	600
TEXZT60130	6 x 130	37,913	TX30	100	100	600
TEXZT60140	6 x 140	44,907	TX30	100	100	600
TEXZT60150	6 x 150	51,030	TX30	100	100	600
TEXZT60160	6 x 160	63,290	TX30	100	100	600
TEXZT60180	6 x 180	79,860	TX30	100	100	800
TEXZT60200	6 x 200	102,930	TX30	100	100	300
TEXZT60220	6 x 220	113,420	TX30	100	100	-
TEXZT60240	6 x 240	128,400	TX30	100	100	600
TEXZT60260	6 x 260	152,420	TX30	100	100	-
TEXZT60280	6 x 280	169,550	TX30	100	100	-
TEXZT60300	6 x 300	181,720	TX30	100	100	-

• Non-approved sizes

STAINLESS STEEL



CODE	SIZE	€/100			
TEXA250050	5 x 50	23,233	TX25	250	3.000
TEXA250060	5 x 60	27,917	TX25	100	2.400
TEXA250070	5 x 70	31,640	TX25	100	2400



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZTXA250050	5 x 50	2,278	4	20
BZTXA250060	5 x 60	2,278	4	20
BZTXA250070	5 x 70	2,278	2	20



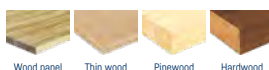
Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VTEXA250050	5 x 50	6,273	20	8
VTEXA250060	5 x 60	7,537	20	8
VTEXA250070	5 x 70	8,543	20	8

High-performance chipboard screw

TEX

WOOD



TEX-ZP

Zinc-plated. Pz recess

CODE	SIZE	€/100		MIN. ORDER QTY.		
•TEXZP25010	2,5 x 10	0,957	PZ1	2.000	1.000	45.000
•TEXZP25012	2,5 x 12	1,000	PZ1	2.000	1.000	45.000
•TEXZP25016	2,5 x 16	1,127	PZ1	2.000	1.000	45.000
TEXZP25020	2,5 x 20	1,243	PZ1	2.000	1.000	45.000
TEXZP25025	2,5 x 25	1,387	PZ1	2.000	1.000	45.000
•TEXZP30010	3 x 10	1,140	PZ1	2.000	1.000	45.000
•TEXZP30012	3 x 12	1,173	PZ1	2.000	1.000	45.000
•TEXZP30015	3 x 15	1,300	PZ1	2.000	1.000	24.000
•TEXZP30016	3 x 16	1,330	PZ1	2.000	1.000	24.000
•TEXZP30020	3 x 20	1,470	PZ1	2.000	1.000	24.000
TEXZP30025	3 x 25	1,517	PZ1	2.000	1.000	24.000
TEXZP30030	3 x 30	2,050	PZ1	2.000	1.000	12.000
TEXZP30035	3 x 35	2,317	PZ1	2.000	1.000	12.000
TEXZP30040	3 x 40	2,857	PZ1	2.000	1.000	6.000
TEXZP30045	3 x 45	3,117	PZ1	1.000	500	6.000
•TEXZP35010	3,5 x 10	1,253	PZ2	2.000	1.000	24.000
•TEXZP35012	3,5 x 12	1,353	PZ2	2.000	1.000	24.000
•TEXZP35015	3,5 x 15	1,440	PZ2	2.000	1.000	24.000
•TEXZP35016	3,5 x 16	1,617	PZ2	2.000	1.000	24.000
•TEXZP35020	3,5 x 20	1,763	PZ2	2.000	1.000	24.000
TEXZP35025	3,5 x 25	2,037	PZ2	2.000	1.000	12.000
TEXZP35030	3,5 x 30	2,357	PZ2	2.000	1.000	12.000
TEXZP35035	3,5 x 35	2,960	PZ2	2.000	1.000	12.000
TEXZP35040	3,5 x 40	2,970	PZ2	1.000	500	6.000
TEXZP35045	3,5 x 45	4,150	PZ2	1.000	500	6.000
TEXZP35050	3,5 x 50	5,033	PZ2	1.000	500	6.000
•TEXZP40012	4 x 12	1,673	PZ2	2.000	1.000	24.000
•TEXZP40015	4 x 15	1,833	PZ2	2.000	1.000	24.000
•TEXZP40016	4 x 16	1,787	PZ2	2.000	1.000	24.000
•TEXZP40020	4 x 20	2,050	PZ2	2.000	1.000	12.000
•TEXZP40025	4 x 25	2,433	PZ2	2.000	1.000	12.000
TEXZP40030	4 x 30	2,743	PZ2	2.000	1.000	6.000
TEXZP40035	4 x 35	3,030	PZ2	1.000	500	6.000
TEXZP40040	4 x 40	3,320	PZ2	1.000	500	3.000
TEXZP40045	4 x 45	4,143	PZ2	1.000	500	3.000
TEXZP40050	4 x 50	4,163	PZ2	1.000	500	3.000
TEXZP40055	4 x 55	5,747	PZ2	500	250	3.000

CODE	SIZE	€/100		MIN. ORDER QTY.		
TEXZP40060	4 x 60	6,223	PZ2	500	250	3.000
TEXZP40070	4 x 70	7,040	PZ2	500	250	1.500
TEXZP40080	4 x 80	8,243	PZ2	500	250	1.500
•TEXZP45016	4,5 x 16	2,287	PZ2	2.000	1.000	12.000
•TEXZP45020	4,5 x 20	2,627	PZ2	2.000	1.000	12.000
•TEXZP45025	4,5 x 25	3,213	PZ2	2.000	1.000	12.000
•TEXZP45030	4,5 x 30	3,317	PZ2	1.000	500	6.000
TEXZP45035	4,5 x 35	3,900	PZ2	1.000	500	6.000
TEXZP45040	4,5 x 40	4,141	PZ2	1.000	500	3.000
TEXZP45045	4,5 x 45	5,040	PZ2	500	250	3.000
TEXZP45050	4,5 x 50	5,272	PZ2	500	250	3.000
TEXZP45060	4,5 x 60	7,470	PZ2	500	250	1.500
TEXZP45070	4,5 x 70	9,350	PZ2	500	250	1.500
TEXZP45080	4,5 x 80	11,940	PZ2	200	100	1.200
•TEXZP50025	5 x 25	4,110	PZ2	2.000	1.000	6.000
•TEXZP50030	5 x 30	4,297	PZ2	1.000	500	6.000
TEXZP50035	5 x 35	4,600	PZ2	1.000	500	6.000
TEXZP50040	5 x 40	5,047	PZ2	1.000	500	6.000
TEXZP50045	5 x 45	6,170	PZ2	500	250	3.000
TEXZP50050	5 x 50	6,420	PZ2	500	250	3.000
TEXZP50060	5 x 60	8,073	PZ2	500	250	1.500
TEXZP50070	5 x 70	9,193	PZ2	400	200	1.200
TEXZP50080	5 x 80	12,243	PZ2	200	100	1.200
TEXZP50090	5 x 90	12,587	PZ2	200	100	1.200
TEXZP50100	5 x 100	16,697	PZ2	200	100	1.200
TEXZP50110	5 x 110	18,890	PZ2	200	100	1.200
TEXZP50120	5 x 120	21,417	PZ2	200	100	1.200
•TEXZP60040	6 x 40	9,620	PZ3	500	250	3.000
•TEXZP60045	6 x 45	10,240	PZ3	500	250	3.000
•TEXZP60050	6 x 50	11,427	PZ3	500	250	1.500
TEXZP60060	6 x 60	12,473	PZ3	500	250	1.500
TEXZP60070	6 x 70	13,810	PZ3	200	100	600
TEXZP60080	6 x 80	17,777	PZ3	200	100	1.200
TEXZP60090	6 x 90	20,880	PZ3	200	100	1.200
TEXZP60100	6 x 100	20,650	PZ3	200	100	600
TEXZP60110	6 x 110	28,620	PZ3	200	100	600
TEXZP60120	6 x 120	32,750	PZ3	200	100	600

• Non-approved sizes



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZTXZP30016	3 x 16	2,278	40	20
BZTXZP30020	3 x 20	2,278	40	20
BZTXZP30025	3 x 25	2,278	40	20
BZTXZP30030	3 x 30	2,278	40	20
•BZTXZP35016	3,5 x 16	2,278	40	20
BZTXZP35020	3,5 x 20	2,278	40	20
BZTXZP35025	3,5 x 25	2,278	40	20
BZTXZP35030	3,5 x 30	2,278	40	20
BZTXZP35035	3,5 x 35	2,278	20	20
BZTXZP35040	3,5 x 40	2,278	20	20
BZTXZP35050	3,5 x 50	2,278	20	20
BZTXZP40025	4 x 25	2,278	40	20
BZTXZP40030	4 x 30	2,278	20	20
BZTXZP40035	4 x 35	2,278	20	20
BZTXZP40040	4 x 40	2,278	20	20
BZTXZP40045	4 x 45	2,278	20	20
BZTXZP40050	4 x 50	2,278	10	20
BZTXZP40060	4 x 60	2,278	10	20
BZTXZP45030	4,5 x 30	2,278	20	20
BZTXZP45035	4,5 x 35	2,278	20	20
BZTXZP45040	4,5 x 40	2,278	20	20
BZTXZP45045	4,5 x 45	2,278	10	20
BZTXZP45050	4,5 x 50	2,278	10	20
BZTXZP45060	4,5 x 60	2,278	10	20
BZTXZP45070	4,5 x 70	2,278	10	20
BZTXZP50030	5 x 30	2,278	10	20
BZTXZP50035	5 x 35	2,278	10	20
BZTXZP50040	5 x 40	2,278	10	20
BZTXZP50050	5 x 50	2,278	10	20
BZTXZP50060	5 x 60	2,278	10	20
BZTXZP50070	5 x 70	2,278	4	20
BZTXZP50080	5 x 80	2,278	4	20
BZTXZP60050	6 x 50	2,278	10	20
BZTXZP60060	6 x 60	2,278	10	20
BZTXZP60070	6 x 70	2,278	4	20
BZTXZP60080	6 x 80	2,278	4	20



Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VTEXZP30016	3 x 16	3,626	200	8
VTEXZP30020	3 x 20	4,010	200	8
VTEXZP30025	3 x 25	4,131	200	8
VTEXZP30030	3 x 30	4,754	170	8
VTEXZP30040	3 x 40	4,673	120	8
•VTEXZP35016	3,5 x 16	4,410	200	8
VTEXZP35020	3,5 x 20	4,811	200	8
VTEXZP35025	3,5 x 25	4,717	170	8
VTEXZP35030	3,5 x 30	4,818	150	8
VTEXZP35035	3,5 x 35	4,037	100	8
VTEXZP35040	3,5 x 40	3,037	75	8
VTEXZP35050	3,5 x 50	5,148	75	8
VTEXZP40025	4 x 25	4,144	125	8
VTEXZP40030	4 x 30	3,740	100	8
VTEXZP40035	4 x 35	3,097	75	8
VTEXZP40040	4 x 40	3,360	75	8
VTEXZP40045	4 x 45	4,235	75	8
VTEXZP40050	4 x 50	2,838	50	8
VTEXZP40060	4 x 60	4,242	50	8
VTEXZP45030	4,5 x 30	4,521	100	8
VTEXZP45035	4,5 x 35	3,986	75	8
VTEXZP45040	4,5 x 40	4,195	75	8
VTEXZP45045	4,5 x 45	3,437	50	8
VTEXZP45050	4,5 x 50	3,559	50	8
VTEXZP45060	4,5 x 60	5,094	50	8
VTEXZP45070	4,5 x 70	6,373	50	8
VTEXZP50030	5 x 30	4,394	75	8
VTEXZP50035	5 x 35	4,707	75	8
VTEXZP50040	5 x 40	3,441	50	8
VTEXZP50045	5 x 45	4,208	50	8
VTEXZP50050	5 x 50	4,377	50	8
VTEXZP50060	5 x 60	2,754	25	8
VTEXZP50070	5 x 70	3,134	25	8
VTEXZP50080	5 x 80	4,175	25	8
VTEXZP60050	6 x 50	6,232	40	8
VTEXZP60060	6 x 60	5,104	30	8
VTEXZP60070	6 x 70	3,767	20	8
VTEXZP60080	6 x 80	4,848	20	8

TEX

HIGH-PERFORMANCE CHIPBOARD SCREW FOR WOOD



TEX SCREW CHARACTERISTICS - COMPARATIVE TABLE

TECBT	TEXBT	TEXBP	TEXZT	TEXZP	Ø	SCREW LENGTH	THREAD LENGTH	CLEANER	ULTRA-SHARP TIP	RECESS
-	-	TEXBP25010	-	TEXZP25010	2,5	10	COMPLET	-	-	PZ1
-	-	TEXBP25012	-	TEXZP25012		12				
-	-	TEXBP25016	-	TEXZP25016		16				
-	-	TEXBP25020	-	TEXZP25020		20				
-	-	TEXBP25025	-	TEXZP25025		25				
-	-	TEXBP30010	-	TEXZP30010	3	10	COMPLET	-	-	PZ1
-	-	TEXBP30012	-	TEXZP30012		12				
-	-	TEXBP30015	-	TEXZP30015		15				
-	TEXBT30016	TEXBP30016	TEXZT30016	TEXZP30016		16				
-	TEXBT30020	TEXBP30020	TEXZT30020	TEXZP30020		20				
-	TEXBT30025	TEXBP30025	TEXZT30025	TEXZP30025		25				
-	TEXBT30030	TEXBP30030	TEXZT30030	TEXZP30030		30				
-	TEXBT30035	TEXBP30035	TEXZT30035	TEXZP30035		35				
-	TEXBT30040	TEXBP30040	TEXZT30040	TEXZP30040		40				
-	-	TEXBP30045	-	TEXZP30045		45				
-	-	TEXBP35010	-	TEXZP35010	3,5	10	COMPLET	-	-	PZ2
-	TEXBT35012	TEXBP35012	TEXZT35012	TEXZP35012		12				
-	-	TEXBP35015	-	TEXZP35015		15				
-	TEXBT35016	TEXBP35016	TEXZT35016	TEXZP35016		16				
-	TEXBT35020	TEXBP35020	TEXZT35020	TEXZP35020		20				
-	TEXBT35025	TEXBP35025	TEXZT35025	TEXZP35025		25				
-	TEXBT35030	TEXBP35030	TEXZT35030	TEXZP35030		30				
-	TEXBT35035	TEXBP35035	TEXZT35035	TEXZP35035		35				
-	TEXBT35040	TEXBP35040	TEXZT35040	TEXZP35040		40				
-	TEXBT35045	TEXBP35045	TEXZT35045	TEXZP35045		45	30			
-	TEXBT35050	TEXBP35050	TEXZT35050	TEXZP35050	4	50	COMPLET	-	-	TX20 / PZ2
-	-	TEXBP40012	-	TEXZP40012		12				
-	-	TEXBP40015	-	TEXZP40015		15				
-	TEXBT40016	TEXBP40016	TEXZT40016	TEXZP40016		16				
-	TEXBT40020	TEXBP40020	TEXZT40020	TEXZP40020		20				
-	TEXBT40025	TEXBP40025	TEXZT40025	TEXZP40025		25				
-	TEXBT40030	TEXBP40030	TEXZT40030	TEXZP40030		30				
-	TEXBT40035	TEXBP40035	TEXZT40035	TEXZP40035		35				
-	TEXBT40040	TEXBP40040	TEXZT40040	TEXZP40040		40				
-	TEXBT40045	TEXBP40045	TEXZT40045	TEXZP40045		45	30			
-	TEXBT40050	TEXBP40050	TEXZT40050	TEXZP40050	4,5	50	COMPLET	-	-	T20 / PZ2
-	TEXBT40055	TEXBP40055	TEXZT40055	TEXZP40055		55				
-	TEXBT40060	TEXBP40060	TEXZT40060	TEXZP40060		60				
-	TEXBT40070	TEXBP40070	TEXZT40070	TEXZP40070		70				
-	-	TEXBP40080	-	TEXZP40080		80				
-	-	TEXBP45016	-	TEXZP45016		16				
-	-	TEXBP45020	-	TEXZP45020		20				
-	TEXBT45025	TEXBP45025	-	TEXZP45025		25				
-	TEXBT45030	TEXBP45030	TEXZT45030	TEXZP45030		30				
-	TEXBT45035	TEXBP45035	TEXZT45035	TEXZP45035		35				
-	TEXBT45040	TEXBP45040	TEXZT45040	TEXZP45040	4,5	40	30	-	-	T20 / PZ2
-	TEXBT45045	TEXBP45045	-	TEXZP45045		45				
-	TEXBT45050	TEXBP45050	TEXZT45050	TEXZP45050		50				
-	TEXBT45060	TEXBP45060	TEXZT45060	TEXZP45060		60				
-	TEXBT45070	TEXBP45070	TEXZT45070	TEXZP45070		70				
-	TEXBT45080	TEXBP45080	TEXZT45080	TEXZP45080		80				
-	-	TEXBP45080	-	TEXZP45080		80				
-	-	TEXBP45080	-	TEXZP45080		80				

TECBT	TEXBT	TEXBP	TEXZT	TEXZP	Ø	SCREW LENGTH	THREAD LENGTH	CLEANER	ULTRA-SHARP TIP	RECESS
-	-	TEXBP50025	-	TEXZP50025	5	25	COMPLET	-	YES	TX25 / PZ2
-	TEXBT50030	TEXBP50030	TEXZT50030	TEXZP50030		30				
-	TEXBT50035	TEXBP50035	TEXZT50035	TEXZP50035		35				
-	TEXBT50040	TEXBP50040	TEXZT50040	TEXZP50040		40				
-	TEXBT50045	TEXBP50045	TEXZT50045	TEXZP50045		45	30			
-	TEXBT50050	TEXBP50050	TEXZT50050	TEXZP50050		50				
-	TEXBT50060	TEXBP50060	TEXZT50060	TEXZP50060		60				
-	TEXBT50070	TEXBP50070	TEXZT50070	TEXZP50070		70				
-	TEXBT50080	TEXBP50080	TEXZT50080	TEXZP50080		80	40			
-	TEXBT50090	TEXBP50090	TEXZT50090	TEXZP50090		90				
-	TEXBT50100	TEXBP50100	TEXZT50100	TEXZP50100	100	70				
-	-	TEXBP50110	-	TEXZP50110	110					
-	TEXBT50120	TEXBP50120	-	TEXZP50120	120					
-	TEXBT60040	TEXBP60040	-	TEXZP60040	40					
-	TEXBT60045	TEXBP60045	-	TEXZP60045	45	30	-			
-	TEXBT60050	TEXBP60050	TEXZT60050	TEXZP60050	50					
-	TEXBT60060	TEXBP60060	TEXZT60060	TEXZP60060	60					
-	TEXBT60070	TEXBP60070	TEXZT60070	TEXZP60070	70					
TECBT60080	TEXBT60080	TEXBP60080	TEXZT60080	TEXZP60080	80	40				
-	TEXBT60090	TEXBP60090	TEXZT60090	TEXZP60090	90					
TECBT60100	TEXBT60100	TEXBP60100	TEXZT60100	TEXZP60100	100	70				
-	TEXBT60110	TEXBP60110	TEXZT60110	TEXZP60110	110					
TECBT60120	TEXBT60120	TEXBP60120	TEXZT60120	TEXZP60120	120					
-	TEXBT60130	-	TEXZT60130	-	130					
TECBT60140	TEXBT60140	-	TEXZT60140	-	140	70				
-	TEXBT60150	-	TEXZT60150	-	150					
TECBT60160	TEXBT60160	-	TEXZT60160	-	160					
TECBT60180	TEXBT60180	-	TEXZT60180	-	180					
TECBT60200	TEXBT60200	-	TEXZT60200	-	200					
-	TEXBT60220	-	TEXZT60220	-	220					
-	TEXBT60240	-	TEXZT60240	-	240					
-	TEXBT60260	-	TEXZT60260	-	260					
-	TEXBT60280	-	TEXZT60280	-	280					
-	TEXBT60300	-	TEXZT60300	-	300					
TECBT80080	TEXBT80080	-	-	-	80	40	-			
TECBT80100	TEXBT80100	-	-	-	100	70				
TECBT80120	TEXBT80120	-	-	-	120					
TECBT80140	TEXBT80140	-	-	-	140					
TECBT80160	TEXBT80160	-	-	-	160					
TECBT80180	TEXBT80180	-	-	-	180					
TECBT80200	TEXBT80200	-	-	-	200					
TECBT80220	TEXBT80220	-	-	-	220					
TECBT80240	TEXBT80240	-	-	-	240					
TECBT80260	TEXBT80260	-	-	-	260					
TECBT80280	TEXBT80280	-	-	-	280	80				
TECBT80300	TEXBT80300	-	-	-	300					
-	TEXBT80320	-	-	-	320					
-	TEXBT80340	-	-	-	340					
-	TEXBT80360	-	-	-	360					
-	TEXBT80380	-	-	-	380					
-	TEXBT80400	-	-	-	400					
-	TEXBT10080	-	-	-	80		40			
TECBT10100	TEXBT10100	-	-	-	100					
TECBT10120	TEXBT10120	-	-	-	120					
TECBT10140	TEXBT10140	-	-	-	140					
TECBT10160	TEXBT10160	-	-	-	160					
TECBT10180	TEXBT10180	-	-	-	180					
TECBT10200	TEXBT10200	-	-	-	200					
TECBT10220	TEXBT10220	-	-	-	220					
TECBT10240	TEXBT10240	-	-	-	240					
TECBT10260	-	-	-	-	260	80				
TECBT10280	-	-	-	-	280					
TECBT10300	-	-	-	-	300					
-	-	-	-	-	320					
-	-	-	-	-	340					
-	-	-	-	-	360					
-	-	-	-	-	380					
-	-	-	-	-	400					
-	-	-	-	-	450					



BLISTER



WINDOW BOX



PROFESSIONAL BOX

DIMENSIONS:
Width: 100 cm
Width: 240 cm

Display

Complete screw range for wood



PLV product identification with information for final consumer

Packaging with information about materials, approvals and characteristics

DISPLAY RANGE						
PICTURE	PRODUCT	MATERIAL	RECESS	PROFESS. BOX	WINDOW BOX	BLISTER
	TEX-ZT			•		
	TEX-BT			•		
	TEX-ZP				•	
	TEX-BP				•	
	TEX-A2				•	
	TP-PO B					•
	DIN 571				•	•
	INV				•	•
	INV N				•	•
	T45 + TP-PO					•
	TP-TP					•



Formats adapted to each user needs, from a professional to a self-employed or an ironmonger.

TP-PO

Chipboard screw with countersunk 90° head, 40° thread. Pz

TP-PO B

Yellow zinc-plated. Pz recess.



16
Técnicas Expansivas S.L.
Segador 13. Logroño.
Spain
EN 14592
Load bearing timber
structures

WOOD



CODE	SIZE	€/100		THREAD LENGTH (mm)	MIN. ORDER QTY.		
•TPPO25010	2,5 x 10	0,762	PZ1	Total	2.000	1.000	45.000
•TPPO25012	2,5 x 12	0,769	PZ1	Total	2.000	1.000	45.000
•TPPO25016	2,5 x 16	0,860	PZ1	Total	2.000	1.000	45.000
TPPO25020	2,5 x 20	0,973	PZ1	Total	2.000	1.000	24.000
TPPO25025	2,5 x 25	1,047	PZ1	Total	2.000	1.000	24.000
•TPPO30012	3 x 12	0,683	PZ1	Total	2.000	1.000	45.000
•TPPO30016	3 x 16	0,807	PZ1	Total	2.000	1.000	24.000
•TPPO30020	3 x 20	0,907	PZ1	Total	2.000	1.000	24.000
TPPO30025	3 x 25	1,057	PZ1	Total	2.000	1.000	12.000
TPPO30030	3 x 30	1,113	PZ1	Total	2.000	1.000	12.000
TPPO30040	3 x 40	1,467	PZ1	Total	2.000	1.000	6.000
•TPPO35016	3,5 x 16	0,890	PZ2	Total	2.000	1.000	24.000
•TPPO35020	3,5 x 20	1,037	PZ2	Total	2.000	1.000	12.000
TPPO35025	3,5 x 25	1,193	PZ2	Total	2.000	1.000	12.000
TPPO35030	3,5 x 30	1,310	PZ2	Total	2.000	1.000	12.000
TPPO35035	3,5 x 35	1,690	PZ2	Total	1.000	500	6.000
TPPO35040	3,5 x 40	1,838	PZ2	Total	1.000	500	6.000
TPPO35050	3,5 x 50	2,378	PZ2	Total	500	250	3.000
•TPPO40016	4 x 16	1,147	PZ2	Total	2.000	1.000	16.000
•TPPO40020	4 x 20	1,363	PZ2	Total	2.000	1.000	12.000
•TPPO40025	4 x 25	1,517	PZ2	Total	2.000	1.000	12.000
TPPO40030	4 x 30	1,770	PZ2	Total	1.000	500	6.000
TPPO40035	4 x 35	1,997	PZ2	Total	1.000	500	6.000
TPPO40040	4 x 40	2,153	PZ2	Total	1.000	500	6.000
TPPO40045	4 x 45	2,709	PZ2	Total	1.000	500	3.000
TPPO40050	4 x 50	2,967	PZ2	Total	500	250	3.000
TPPO40060	4 x 60	3,437	PZ2	Total	500	250	3.000
TPPO40070	4 x 70	4,233	PZ2	Partial-52	500	250	3000
•TPPO45020	4,5 x 20	1,686	PZ2	Total	1.000	500	12.000
•TPPO45025	4,5 x 25	2,003	PZ2	Total	1.000	500	6.000
•TPPO45030	4,5 x 30	2,317	PZ2	Total	1.000	500	6.000
TPPO45035	4,5 x 35	2,470	PZ2	Total	1.000	500	6.000
TPPO45040	4,5 x 40	2,727	PZ2	Total	1.000	500	3.000
TPPO45045	4,5 x 45	3,433	PZ2	Total	500	250	3.000
TPPO45050	4,5 x 50	3,660	PZ2	Total	500	250	3.000
TPPO45060	4,5 x 60	4,310	PZ2	Total	500	250	3.000
TPPO45070	4,5 x 70	5,167	PZ2	Partial-52	500	250	1.500
TPPO45080	4,5 x 80	6,579	PZ2	Partial-52	200	100	1.200
•TPPO50020	5 x 20	2,123	PZ2	Total	1.000	500	6.000
•TPPO50025	5 x 25	2,526	PZ2	Total	1.000	500	6.000
•TPPO50030	5 x 30	2,858	PZ2	Total	500	250	6.000
TPPO50035	5 x 35	3,160	PZ2	Total	500	250	3.000
TPPO50040	5 x 40	3,470	PZ2	Total	500	250	3.000
TPPO50045	5 x 45	4,010	PZ2	Total	500	250	3.000
TPPO50050	5 x 50	4,233	PZ2	Total	500	250	3.000
TPPO50060	5 x 60	5,250	PZ2	Total	500	250	1.500
TPPO50070	5 x 70	6,503	PZ2	Partial-52	200	100	1.200
TPPO50080	5 x 80	7,410	PZ2	Partial-52	200	100	1.200
TPPO50090	5 x 90	8,630	PZ2	Partial-60	200	100	1.200
TPPO50100	5 x 100	9,510	PZ2	Partial-60	200	100	1.200
TPPO50120	5 x 120	14,057	PZ2	Partial-75	200	100	1.200
•TPPO60040	6 x 40	5,355	PZ3	Total	500	250	3.000
TPPO60050	6 x 50	6,047	PZ3	Total	500	250	1.500
TPPO60060	6 x 60	7,183	PZ3	Total	500	250	1.500
TPPO60070	6 x 70	8,947	PZ3	Partial-52	200	100	1.200
TPPO60080	6 x 80	10,357	PZ3	Partial-52	200	100	1.200
TPPO60090	6 x 90	11,793	PZ3	Partial-60	200	100	1.200
TPPO60100	6 x 100	13,687	PZ3	Partial-60	100	100	1.200
TPPO60110	6 x 110	16,190	PZ3	Partial-70	100	100	600
TPPO60120	6 x 120	17,213	PZ3	Partial-70/75	100	100	600
TPPO60130	6 x 130	20,190	PZ3	Partial-70/75	100	100	600
TPPO60140	6 x 140	22,715	PZ3	Partial-70/75	100	100	600
TPPO60150	6 x 150	24,570	PZ3	Partial-70/75	100	100	600
TPPO60160	6 x 160	27,370	PZ3	Partial-70/75	100	100	400
TPPO60180	6 x 180	40,037	PZ3	Partial-70/75	100	100	300
TPPO60200	6 x 200	52,130	PZ3	Partial-70/75	100	100	300
TPPO60220	6 x 220	73,793	PZ3	Partial-70/75	100	100	300

• Non-approved sizes



More range next page



Chipboard screw with countersunk 90° head, 40° thread. Pz

TP-PO



Blister

CODE	SIZE	€/BAG	PCS. [1]	BAGS [2]
BZTPPO25016	2,5 x 16	1,803	40	20
BZTPPO25020	2,5 x 20	1,803	40	20
BZTPPO25025	2,5 x 25	1,803	40	20
BZTPPO30016	3 x 16	1,803	40	20
BZTPPO30020	3 x 20	1,803	40	20
BZTPPO30025	3 x 25	1,803	40	20
BZTPPO30030	3 x 30	1,803	40	20
BZTPPO35016	3,5 x 16	1,803	40	20
BZTPPO35020	3,5 x 20	1,803	40	20
BZTPPO35025	3,5 x 25	1,803	40	20
BZTPPO35030	3,5 x 30	1,803	40	20
BZTPPO35035	3,5 x 35	1,803	20	20
BZTPPO35040	3,5 x 40	1,803	20	20
BZTPPO35050	3,5 x 50	1,803	20	20
BZTPPO40016	4 x 16	1,803	40	20
BZTPPO40020	4 x 20	1,803	40	20
BZTPPO40025	4 x 25	1,803	40	20
BZTPPO40030	4 x 30	1,803	20	20
BZTPPO40035	4 x 35	1,803	20	20
BZTPPO40040	4 x 40	1,803	20	20
BZTPPO40045	4 x 45	1,803	20	20
BZTPPO40050	4 x 50	1,803	10	20
BZTPPO40060	4 x 60	1,803	10	20
BZTPPO45030	4,5 x 30	1,803	20	20
BZTPPO45035	4,5 x 35	1,803	20	20
BZTPPO45040	4,5 x 40	1,803	20	20
BZTPPO45045	4,5 x 45	1,803	10	20
BZTPPO45050	4,5 x 50	1,803	10	20
BZTPPO45060	4,5 x 60	1,803	10	20
BZTPPO45070	4,5 x 70	1,803	10	20
BZTPPO50030	5 x 30	1,803	10	20
BZTPPO50035	5 x 35	1,803	10	20
BZTPPO50040	5 x 40	1,803	10	20
BZTPPO50050	5 x 50	1,803	10	20
BZTPPO50060	5 x 60	1,803	10	20
BZTPPO50070	5 x 70	1,803	4	20
BZTPPO50080	5 x 80	1,803	4	20
BZTPPO50100	5 x 100	1,803	4	20
BZTPPO60040	6 x 40	1,803	10	20
BZTPPO60050	6 x 50	1,803	10	20
BZTPPO60060	6 x 60	1,803	10	20
BZTPPO60070	6 x 70	1,803	4	20
BZTPPO60080	6 x 80	1,803	4	20
BZTPPO60090	6 x 90	1,803	4	20
BZTPPO60100	6 x 100	1,803	4	20



Window Box

CODE	SIZE	€/BOX	PCS. [1]	BOXES [2]
VTTPPO30016	3 x 16	2,934	250	8
VTTPPO30020	3 x 20	3,308	250	8
VTTPPO30025	3 x 25	3,859	250	8
VTTPPO30030	3 x 30	4,056	250	8
VTTPPO30040	3 x 40	5,289	250	8
VTTPPO35016	3,5 x 16	3,215	250	8
VTTPPO35020	3,5 x 20	3,737	250	8
VTTPPO35025	3,5 x 25	4,299	250	8
VTTPPO35030	3,5 x 30	4,734	250	8
VTTPPO35035	3,5 x 35	3,767	150	8
VTTPPO35040	3,5 x 40	4,094	150	8
VTTPPO35050	3,5 x 50	3,602	100	8
VTTPPO40016	4 x 16	4,212	250	8
VTTPPO40020	4 x 20	4,915	250	8
VTTPPO40025	4 x 25	5,579	250	8
VTTPPO40030	4 x 30	4,481	175	8
VTTPPO40035	4 x 35	4,330	150	8
VTTPPO40040	4 x 40	4,754	150	8
VTTPPO40045	4 x 45	5,804	150	8
VTTPPO40050	4 x 50	4,367	100	8
VTTPPO40060	4 x 60	4,959	100	8
VTTPPO45030	4,5 x 30	5,013	150	8
VTTPPO45035	4,5 x 35	5,346	150	8
VTTPPO45040	4,5 x 40	5,905	150	8
VTTPPO45045	4,5 x 45	4,464	90	8
VTTPPO45050	4,5 x 50	5,286	100	8
VTTPPO45060	4,5 x 60	4,983	80	8
VTTPPO45070	4,5 x 70	4,481	60	8
VTTPPO50030	5 x 30	4,087	100	8
VTTPPO50035	5 x 35	4,569	100	8
VTTPPO50040	5 x 40	5,013	100	8
VTTPPO50050	5 x 50	6,117	100	8
VTTPPO50060	5 x 60	6,067	80	8
VTTPPO50070	5 x 70	3,286	35	8
VTTPPO50080	5 x 80	3,212	30	8
VTTPPO50090	5 x 90	3,737	30	8
VTTPPO60040	6 x 40	7,582	100	8
VTTPPO60050	6 x 50	6,989	80	8
VTTPPO60060	6 x 60	6,225	60	8
VTTPPO60070	6 x 70	3,996	30	8
VTTPPO60080	6 x 80	4,235	30	8



More range previous page

TP-PO

Chipboard screw with countersunk 90° head, 40° thread. Pz

TP-PO Z

Zinc-plated. Pz recess.



16
Técnicas Expansivas S.L.
Segador 13, Logroño.
Spain
EN 14592
Load bearing timber
structures

WOOD



CODE	SIZE	€/100		THREAD LENGTH (mm)	MIN. ORDER QTY.		
•TPPOZ25010	2,5 x 10	0,762	PZ1	Total	2.000	1.000	45.000
•TPPOZ25012	2,5 x 12	0,769	PZ1	Total	2.000	1.000	45.000
•TPPOZ25016	2,5 x 16	0,860	PZ1	Total	2.000	1.000	45.000
TPPOZ25020	2,5 x 20	0,973	PZ1	Total	2.000	1.000	24.000
TPPOZ25025	2,5 x 25	1,047	PZ1	Total	2.000	1.000	24.000
•TPPOZ30012	3 x 12	0,683	PZ1	Total	2.000	1.000	45.000
•TPPOZ30016	3 x 16	0,807	PZ1	Total	2.000	1.000	24.000
•TPPOZ30020	3 x 20	0,907	PZ1	Total	2.000	1.000	24.000
TPPOZ30025	3 x 25	1,057	PZ1	Total	2.000	1.000	12.000
TPPOZ30030	3 x 30	1,113	PZ1	Total	2.000	1.000	12.000
TPPOZ30040	3 x 40	1,467	PZ1	Total	2.000	1.000	6.000
•TPPOZ35016	3,5 x 16	0,890	PZ2	Total	2.000	1.000	24.000
•TPPOZ35020	3,5 x 20	1,037	PZ2	Total	2.000	1.000	12.000
TPPOZ35025	3,5 x 25	1,193	PZ2	Total	2.000	1.000	12.000
TPPOZ35030	3,5 x 30	1,310	PZ2	Total	2.000	1.000	12.000
TPPOZ35035	3,5 x 35	1,690	PZ2	Total	1.000	500	6.000
TPPOZ35040	3,5 x 40	1,838	PZ2	Total	1.000	500	6.000
TPPOZ35050	3,5 x 50	2,378	PZ2	Total	500	250	3.000
•TPPOZ40016	4 x 16	1,147	PZ2	Total	2.000	1.000	16.000
•TPPOZ40020	4 x 20	1,363	PZ2	Total	2.000	1.000	12.000
•TPPOZ40025	4 x 25	1,517	PZ2	Total	2.000	1.000	12.000
TPPOZ40030	4 x 30	1,770	PZ2	Total	1.000	500	6.000
TPPOZ40035	4 x 35	1,997	PZ2	Total	1.000	500	6.000
TPPOZ40040	4 x 40	2,153	PZ2	Total	1.000	500	6.000
TPPOZ40045	4 x 45	2,709	PZ2	Total	1.000	500	3.000
TPPOZ40050	4 x 50	2,967	PZ2	Total	500	250	3.000
TPPOZ40060	4 x 60	3,437	PZ2	Total	500	250	3.000
TPPOZ40070	4 x 70	4,233	PZ2	Partial-52	500	250	1.500
•TPPOZ45020	4,5 x 20	1,686	PZ2	Total	1.000	500	12.000
•TPPOZ45025	4,5 x 25	2,003	PZ2	Total	1.000	500	6.000
•TPPOZ45030	4,5 x 30	2,317	PZ2	Total	1.000	500	6.000
TPPOZ45035	4,5 x 35	2,470	PZ2	Total	1.000	500	6.000
TPPOZ45040	4,5 x 40	2,727	PZ2	Total	1.000	500	3.000
TPPOZ45045	4,5 x 45	3,433	PZ2	Total	500	250	3.000
TPPOZ45050	4,5 x 50	3,660	PZ2	Total	500	250	3.000
TPPOZ45060	4,5 x 60	4,310	PZ2	Total	500	250	3.000
TPPOZ45070	4,5 x 70	5,167	PZ2	Partial-52	500	250	1.500
TPPOZ45080	4,5 x 80	6,579	PZ2	Partial-52	200	100	1.200
•TPPOZ50020	5 x 20	2,123	PZ2	Total	1.000	500	6.000
•TPPOZ50025	5 x 25	2,526	PZ2	Total	1.000	500	6.000
•TPPOZ50030	5 x 30	2,858	PZ2	Total	500	250	6.000
TPPOZ50035	5 x 35	3,160	PZ2	Total	500	250	3.000
TPPOZ50040	5 x 40	3,470	PZ2	Total	500	250	3.000
TPPOZ50045	5 x 45	4,010	PZ2	Total	500	250	3.000
TPPOZ50050	5 x 50	4,233	PZ2	Total	500	250	3.000
TPPOZ50060	5 x 60	5,250	PZ2	Total	500	250	1.500
TPPOZ50070	5 x 70	6,503	PZ2	Partial-52	200	100	1.200
TPPOZ50080	5 x 80	7,410	PZ2	Partial-52	200	100	1.200
TPPOZ50090	5 x 90	8,630	PZ2	Partial-60	200	100	1.200
TPPOZ50100	5 x 100	9,510	PZ2	Partial-60	200	100	1.200
TPPOZ50120	5 x 120	14,057	PZ2	Partial-75	200	100	1.200
•TPPOZ60040	6 x 40	5,355	PZ3	Total	500	250	3.000
TPPOZ60050	6 x 50	6,047	PZ3	Total	500	250	1.500
TPPOZ60060	6 x 60	7,183	PZ3	Total	500	250	1.500
TPPOZ60070	6 x 70	8,947	PZ3	Partial-52	200	100	1.200
TPPOZ60080	6 x 80	10,357	PZ3	Partial-52	200	100	1.200
TPPOZ60090	6 x 90	11,793	PZ3	Partial-60	200	100	1.200
TPPOZ60100	6 x 100	13,687	PZ3	Partial-60	100	100	1.200
TPPOZ60110	6 x 110	16,190	PZ3	Partial-70	100	100	600

• Non-approved sizes

Chipboard screw with countersunk 90° head, 40° thread. Tx

TP-TO

WOOD



16
Técnica Expansivas S.L.
Segador 13. Logroño.
Spain
EN 14592
Load bearing timber
structures



CODE	SIZE	€/100		MIN. ORDER QTY.		
TPTO30025	3 x 25	1,263	TX10	2.000	1.000	12.000
TPTO30030	3 x 30	1,460	TX10	2.000	1.000	12.000
•TPTO35015	3,5 x 15	1,097	TX15	2.000	1.000	24.000
•TPTO35017	3,5 x 17	1,143	TX15	2.000	1.000	24.000
•TPTO35020	3,5 x 20	1,327	TX15	2.000	1.000	12.000
TPTO35025	3,5 x 25	1,460	TX15	2.000	1.000	12.000
TPTO35030	3,5 x 30	1,707	TX15	2.000	1.000	12.000
TPTO35040	3,5 x 40	2,360	TX15	1.000	500	6.000
TPTO35050	3,5 x 50	2,870	TX15	1.000	500	3.000
•TPTO40020	4 x 20	1,783	TX20	2.000	1.000	12.000
•TPTO40025	4 x 25	2,063	TX20	2.000	1.000	12.000
TPTO40030	4 x 30	2,470	TX20	1.000	500	6.000
TPTO40035	4 x 35	2,813	TX20	1.000	500	6.000
TPTO40040	4 x 40	3,043	TX20	1.000	500	6.000
TPTO40045	4 x 45	3,427	TX20	1.000	500	6.000
TPTO40050	4 x 50	3,910	TX20	500	250	3.000
TPTO40060	4 x 60	4,107	TX20	500	250	3.000
TPTO40070	4 x 70	5,377	TX20	500	250	1.500
•TPTO45030	4,5 x 30	2,923	TX20	1.000	500	6.000
TPTO45035	4,5 x 35	3,227	TX20	1.000	500	6.000
TPTO45040	4,5 x 40	3,727	TX20	1.000	500	6.000
TPTO45045	4,5 x 45	4,367	TX20	500	250	3.000
TPTO45050	4,5 x 50	4,903	TX20	500	250	3.000
TPTO45060	4,5 x 60	5,630	TX20	500	250	3.000
TPTO45070	4,5 x 70	6,617	TX20	500	250	1.500
•TPTO50030	5 x 30	3,837	TX25	500	250	6.000

CODE	SIZE	€/100		MIN. ORDER QTY.		
•TPTO50035	5 x 35	4,187	TX25	500	250	6.000
TPTO50040	5 x 40	5,053	TX25	500	250	3.000
TPTO50045	5 x 45	5,323	TX25	500	250	3.000
TPTO50050	5 x 50	5,703	TX25	500	250	3.000
TPTO50060	5 x 60	6,540	TX25	500	250	1.500
TPTO50070	5 x 70	8,520	TX25	200	100	1.200
TPTO50080	5 x 80	9,847	TX25	200	100	1.200
TPTO50090	5 x 90	10,757	TX25	200	100	1.200
TPTO50100	5 x 100	11,673	TX25	200	100	1.200
TPTO50120	5 x 120	16,160	TX25	200	100	1.200
TPTO60060	6 x 60	9,107	TX30	500	250	1.500
TPTO60070	6 x 70	10,890	TX30	200	100	1.200
TPTO60080	6 x 80	13,420	TX30	200	100	1.200
TPTO60090	6 x 90	16,430	TX30	200	100	1.200
TPTO60100	6 x 100	17,683	TX30	100	100	1.200
TPTO60110	6 x 110	20,617	TX30	100	100	600
TPTO60120	6 x 120	22,170	TX30	100	100	600
TPTO60130	6 x 130	26,427	TX30	100	100	600
TPTO60140	6 x 140	29,317	TX30	100	100	600
TPTO60150	6 x 150	33,733	TX30	100	100	600
TPTO60160	6 x 160	37,350	TX30	100	100	400
TPTO60180	6 x 180	50,053	TX30	100	100	300
TPTO60200	6 x 200	60,083	TX30	100	100	300
TPTO60220	6 x 220	80,283	TX30	100	100	300
•TPTO60240	6 x 240	98,313	TX30	100	100	200
•TPTO60300	6 x 300	151,210	TX30	100	100	200

• Availability: end of stock

• Non-approved sizes



Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VTPTO30025	3 x 25	4,134	250	8
VTPTO30030	3 x 30	4,976	250	8
VTPTO35015	3,5 x 15	3,744	250	8
VTPTO35020	3,5 x 20	4,521	250	8
VTPTO35025	3,5 x 25	4,976	250	8
VTPTO35030	3,5 x 30	5,814	250	8
VTPTO35040	3,5 x 40	4,824	150	8
VTPTO35050	3,5 x 50	3,915	100	8
VTPTO40017	4 x 17	5,444	250	8
VTPTO40020	4 x 20	6,077	250	8
VTPTO40025	4 x 25	7,036	250	8
VTPTO40030	4 x 30	5,885	175	8
VTPTO40035	4 x 35	5,757	150	8
VTPTO40040	4 x 40	6,222	150	8
VTPTO40045	4 x 45	6,999	150	8
VTPTO40050	4 x 50	5,336	100	8
VTPTO40060	4 x 60	5,602	100	8
VTPTO45030	4,5 x 30	5,979	150	8

CODE	SIZE	€/BOX	PCS.	BOXES
VTPTO45035	4,5 x 35	6,602	150	8
VTPTO45040	4,5 x 40	7,626	150	8
VTPTO45045	4,5 x 45	5,360	90	8
VTPTO45050	4,5 x 50	6,683	100	8
VTPTO45060	4,5 x 60	6,141	80	8
VTPTO45070	4,5 x 70	5,414	60	8
VTPTO50030	5 x 30	5,232	100	8
VTPTO50035	5 x 35	5,703	100	8
VTPTO50040	5 x 40	6,892	100	8
VTPTO50050	5 x 50	7,780	100	8
VTPTO50060	5 x 60	7,137	80	8
VTPTO50070	5 x 70	4,067	35	8
VTPTO50080	5 x 80	4,027	30	8
VTPTO50090	5 x 90	4,400	30	8
VTPTO60060	6 x 60	7,450	60	8
VTPTO60070	6 x 70	4,454	30	8
VTPTO60080	6 x 80	5,491	30	8

BULK SALES SYSTEM

PERSONALIZED IMPLEMENTATION
TO GUARANTEE PROFITABILITY

TP-BR

Self-drilling screw for wood. Countersunk head. Special thread with large pitch



CODE	SIZE	€/100			
• TPBR4335	4,3 x 35	6,587	PZ2	500	6.000
TPBR4340	4,3 x 40	6,697	PZ2	500	6.000
TPBR4345	4,3 x 45	7,213	PZ2	250	3.000
TPBR4350	4,3 x 50	7,718	PZ2	250	3.000
TPBR4360	4,3 x 60	10,096	PZ2	250	3.000
TPBR4370	4,3 x 70	11,490	PZ2	250	3.000

• Availability: end of stock

RECOMMENDED FOR
USE ON EDGES

DO NOT SCRATCH
WOOD

Packaging AVAILABLE



WINDOW BOX

- Maximum viewing at the point of sale.
- Box quantity greater than blister pack and less than professional box.



BLISTER

- High resistance blister pack.
- Full-colour labels with product photograph and use.
- Optimum pack quantities for household users.



PROFESSIONAL BOX

- Full-colour labels with product photograph.
- Optimum pack quantities for professional users.

Chipboard screw with countersunk 90° head, 40° thread. Stainless-steel
A2

TP-A2

STAINLESS STEEL



CODE	SIZE	€/100			
TPA230016	3 x 16	3,670	PZ1	200	9.000
TPA230025	3 x 25	4,689	PZ1	200	9.000
TPA235020	3,5 x 20	6,190	PZ2	200	9.000
TPA235025	3,5 x 25	6,685	PZ2	200	9.000
TPA235030	3,5 x 30	8,334	PZ2	200	9.000
TPA235040	3,5 x 40	11,842	PZ2	200	4.800
TPA240030	4 x 30	10,125	PZ2	200	9.000
TPA240040	4 x 40	11,958	PZ2	200	4.800
TPA240050	4 x 50	18,767	PZ2	200	4.800
TPA245030	4,5 x 30	11,890	PZ2	200	4.800
TPA245050	4,5 x 50	18,997	PZ2	200	2.400
TPA250050	5 x 50	23,958	PZ2	200	2.400
TPA250070	5 x 70	32,649	PZ2	200	2.400



Chipboard, panhead screw with 40° thread

TR-PO

WOOD



CODE	SIZE	€/100			
TRPO30016	3 x 16	1,442	PZ1	1.000	24.000
TRPO30020	3 x 20	1,625	PZ1	1.000	12.000
TRPO35016	3,5 x 16	1,897	PZ2	1.000	24.000
TRPO35020	3,5 x 20	2,190	PZ2	1.000	12.000
TRPO35025	3,5 x 25	2,349	PZ2	1.000	12.000
TRPO35030	3,5 x 30	2,593	PZ2	1.000	12.000
TRPO35035	3,5 x 35	2,723	PZ2	500	6.000
TRPO40016	4 x 16	2,533	PZ2	1.000	12.000
TRPO40020	4 x 20	2,645	PZ2	1.000	12.000
TRPO40025	4 x 25	3,033	PZ2	1.000	12.000
TRPO40030	4 x 30	3,417	PZ2	500	6.000
TRPO40035	4 x 35	3,635	PZ2	500	6.000
TRPO40040	4 x 40	4,197	PZ2	500	6.000
TRPO40050	4 x 50	5,450	PZ2	250	3.000
TRPO45016	4,5 x 16	3,101	PZ2	500	12.000
TRPO45020	4,5 x 20	3,483	PZ2	500	8.000
TRPO45025	4,5 x 25	4,124	PZ2	500	6.000
TRPO45030	4,5 x 30	4,621	PZ2	500	6.000
TRPO45035	4,5 x 35	5,338	PZ2	500	6.000
TRPO45040	4,5 x 40	5,566	PZ2	500	3.000
TRPO45045	4,5 x 45	6,168	PZ2	250	3.000
TRPO50020	5 x 20	4,658	PZ2	500	6.000
TRPO50030	5 x 30	5,416	PZ2	250	6.000
TRPO50040	5 x 40	6,324	PZ2	250	3.000
TRPO50050	5 x 50	7,983	PZ2	250	3.000



DIN-571

Coach wood screw with hexagonal head

DIN-571 A2

Stainless steel A2



13
Técnicas Expansivas S.L.
Segador 13, Logroño,
Spain
EN 14592
Load bearing timber
structures

STAINLESS STEEL



CODE	SIZE	€/100			
TBA206040	6 x 40	29,674	10	100	2.400
TBA206050	6 x 50	35,301	10	100	1.200
TBA206060	6 x 60	40,146	10	100	1.200
TBA206070	6 x 70	45,387	10	100	1.200
TBA208050	8 x 50	65,846	13	100	1.200
TBA208060	8 x 60	72,464	13	100	1.200
TBA208070	8 x 70	81,870	13	100	600
TBA208080	8 x 80	91,666	13	100	600
TBA210080	10 x 80	155,120	17	100	400

571 TR

Full thread



13
Técnicas Expansivas S.L.
Segador 13, Logroño,
Spain
EN 14592
Load bearing timber
structures

WOOD



CODE	SIZE	€/100			
TBR06050	6 x 50	8,459	10	200	1.200
TBR06060	6 x 60	9,969	10	200	1.200
TBR06070	6 x 70	11,408	10	200	1.200
TBR08050	8 x 50	15,464	13	200	1.200
TBR08060	8 x 60	17,173	13	200	800
TBR08070	8 x 70	19,526	13	200	800
TBR08080	8 x 80	21,791	13	200	800
TBR10060	10 x 60	27,360	17	100	600
TBR10080	10 x 80	36,193	17	100	400

SELF-SERVICE FORMATS WE MAKE IT EASIER FOR YOU



BLISTER



WINDOW BOX



EASYKITS

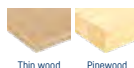


SELF-SERVICE PACKS

Coach wood screw with hexagonal head

DIN-571

WOOD



DIN-571

Zinc-plated

CODE	SIZE	€/100			
TB05030	5 x 30	4,077	8	200	4.800
TB05040	5 x 40	5,177	8	200	2.400
TB05050	5 x 50	6,087	8	200	2.400
TB05060	5 x 60	6,947	8	200	2.400
TB06025	6 x 25	4,519	10	200	2.400
TB06030	6 x 30	5,018	10	200	2.400
TB06035	6 x 35	5,753	10	200	2.400
TB06040	6 x 40	6,310	10	200	2.400
TB06045	6 x 45	6,769	10	200	2.400
TB06050	6 x 50	7,400	10	200	2.400
TB06060	6 x 60	8,723	10	200	1.200
TB06070	6 x 70	10,036	10	200	1.200
TB06080	6 x 80	10,992	10	200	1.200
TB06090	6 x 90	12,951	10	100	1.200
TB06100	6 x 100	13,573	10	100	1.200
TB06110	6 x 110	17,884	10	100	1.200
TB06120	6 x 120	17,936	10	100	800
TB07030	7 x 30	8,146	12	200	2.400
TB07040	7 x 40	9,931	12	200	1.600
TB07050	7 x 50	11,533	12	200	1.200
TB07060	7 x 60	13,450	12	100	1.200
TB07070	7 x 70	14,924	12	100	1.200
TB07080	7 x 80	16,448	12	100	800
TB07090	7 x 90	16,725	12	100	400
TB07100	7 x 100	18,908	12	100	600
TB07120	7 x 120	23,121	12	100	600
•TB08030	8 x 30	9,642	13	200	1.200
TB08040	8 x 40	11,419	13	200	1.200
TB08045	8 x 45	11,982	13	200	1.200
TB08050	8 x 50	13,407	13	200	1.200
TB08060	8 x 60	15,307	13	200	1.200
TB08070	8 x 70	17,403	13	200	800
TB08080	8 x 80	19,423	13	200	800
TB08090	8 x 90	22,289	13	100	600
TB08100	8 x 100	24,106	13	100	600
TB08110	8 x 110	24,827	13	100	600
TB08120	8 x 120	27,164	13	100	600
TB08130	8 x 130	29,387	13	100	400
TB08140	8 x 140	31,188	13	100	400

CODE	SIZE	€/100			
TB08150	8 x 150	33,496	13	100	400
TB08160	8 x 160	35,341	13	100	400
TB08180	8 x 180	45,991	13	100	300
TB08200	8 x 200	48,299	13	100	300
•TB10040	10 x 40	22,318	17	100	600
TB10050	10 x 50	23,219	17	100	600
TB10060	10 x 60	25,323	17	100	600
TB10070	10 x 70	29,853	17	100	600
TB10080	10 x 80	32,155	17	100	400
TB10090	10 x 90	37,261	17	100	400
TB10100	10 x 100	38,664	17	100	400
TB10110	10 x 110	42,302	17	50	300
TB10120	10 x 120	46,632	17	50	300
TB10130	10 x 130	49,127	17	50	300
TB10140	10 x 140	58,636	17	50	200
TB10150	10 x 150	62,747	17	50	200
TB10160	10 x 160	66,980	17	50	200
TB10180	10 x 180	73,409	17	50	150
TB10200	10 x 200	80,753	17	50	150
TB12060	12 x 60	43,615	19	50	300
TB12070	12 x 70	45,995	19	50	300
TB12080	12 x 80	52,323	19	50	300
TB12090	12 x 90	55,757	19	50	300
TB12100	12 x 100	61,985	19	50	300
TB12120	12 x 120	75,354	19	50	200
TB12130	12 x 130	76,901	19	50	100
TB12140	12 x 140	82,739	19	50	100
TB12150	12 x 150	85,680	19	50	200
TB12160	12 x 160	91,552	19	50	200
TB12180	12 x 180	109,732	19	50	150
TB12200	12 x 200	124,977	19	50	150
TB12220	12 x 220	136,330	19	50	100
TB12240	12 x 240	146,224	19	50	100
TB12260	12 x 260	160,296	19	50	100
TB14100	14 x 100	105,278	22	50	200



13
Técnicas Expansivas S.L.
Segador, 13. Logroño.
Spain
EN 14592
Load bearing timber
structures

• Non-approved sizes



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZTB05030	5 x 30	1,803	4	20
BZTB05040	5 x 40	1,803	4	20
BZTB05050	5 x 50	1,803	4	20
BZTB06030	6 x 30	1,803	4	20
BZTB06040	6 x 40	1,803	4	20
BZTB06050	6 x 50	1,803	4	20
BZTB06060	6 x 60	1,803	4	20
BZTB06070	6 x 70	1,803	4	20
BZTB06080	6 x 80	1,803	4	20
BZTB07050	7 x 50	1,803	4	20
BZTB07060	7 x 60	1,803	4	20
BZTB07070	7 x 70	1,803	4	20
BZTB08040	8 x 40	1,803	4	20
BZTB08050	8 x 50	1,803	4	20
BZTB08060	8 x 60	1,803	4	20
BZTB08070	8 x 70	1,803	4	20
BZTB08080	8 x 80	1,803	4	15
BZTB08090	8 x 90	1,803	2	15
BZTB08100	8 x 100	1,803	2	15
BZTB10050	10 x 50	1,803	2	15
BZTB10060	10 x 60	1,803	2	15
BZTB10080	10 x 80	1,803	2	15



Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VTB05040	5 x 40	3,493	50	8
VTB05050	5 x 50	4,107	50	8
VTB06040	6 x 40	4,345	50	8
VTB06050	6 x 50	4,077	40	8
VTB06060	6 x 60	3,572	30	8
VTB07050	7 x 50	3,912	25	8
VTB07060	7 x 60	3,724	20	8
VTB07070	7 x 70	4,028	20	8
VTB07080	7 x 80	4,247	20	8
VTB08050	8 x 50	3,656	20	8
VTB08060	8 x 60	4,175	20	8
VTB08070	8 x 70	4,747	20	8
VTB08080	8 x 80	3,973	15	8
VTB08090	8 x 90	3,026	10	8
VTB08100	8 x 100	3,255	10	8
VTB10070	10 x 70	4,090	10	8
VTB10080	10 x 80	4,341	10	8
VTB10090	10 x 90	5,031	10	8
VTB10100	10 x 100	5,298	10	8

INV

Tamperproof screw with Tx-40 recess

ESTRINV Z

Zinc-plated star.. Tamperproof



CODE	SIZE	€/100	MIN. ORDER QTY.	
ESTRINV40Z	Zinc	3,907	400	100



ESTRINV N

Black star. Tamperproof



CODE	SIZE	€/100	MIN. ORDER QTY.	
ESTRINV40N	Black zinc	4,580	400	100



BULK
SALES SYSTEM

PERSONALIZED IMPLEMENTATION
TO GUARANTEE PROFITABILITY



Tamperproof screw with Tx-40 recess

INV

WOOD



Thin wood

Pinewood



CODE	SIZE	€/100		MIN. ORDER QTY.		
•INVZ6040	6 x 40	20,729	TX40	200	100	1200
INVZ6050	6 x 50	21,925	TX40	200	100	1200
INVZ6060	6 x 60	23,326	TX40	200	100	600
INVZ6070	6 x 70	27,737	TX40	200	100	600
•INVZ7030	7 x 30	20,131	TX40	200	100	1200
•INVZ7040	7 x 40	20,538	TX40	200	100	1200
INVZ7050	7 x 50	21,327	TX40	200	100	1200
INVZ7060	7 x 60	24,125	TX40	200	100	600
INVZ7070	7 x 70	24,723	TX40	200	100	600
INVZ7080	7 x 80	28,311	TX40	200	100	600
INVZ7090	7 x 90	35,882	TX40	200	100	600



Blister



Window Box

CODE	SIZE	€/BAG	PCS.	BAGS
BZINVZ7060	7 x 60	2,278	4	20
BZINVZ7070	7 x 70	2,278	4	20
BZINVZ7080	7 x 80	2,278	4	15

CODE	SIZE	€/BOX	PCS.	BOXES
VINZ7060	7 x 60	4,862	15	8
VINZ7070	7 x 70	4,981	15	8

• Non-approved sizes

WOOD



Thin wood

Pinewood



CODE	SIZE	€/100			
•INVN6040	6 x 40	25,238	TX40	100	1.200
INVN6050	6 x 50	26,045	TX40	100	1.200
INVN6060	6 x 60	28,847	TX40	100	600
INVN6070	6 x 70	31,648	TX40	100	600
•INVN7030	7 x 30	30,049	TX40	100	1.200
•INVN7040	7 x 40	31,341	TX40	100	1.200
INVN7050	7 x 50	34,517	TX40	100	1.200
INVN7060	7 x 60	38,291	TX40	100	600
INVN7070	7 x 70	40,467	TX40	100	600
INVN7080	7 x 80	44,431	TX40	100	600
INVN7090	7 x 90	47,610	TX40	100	600



Blister



Window Box

CODE	SIZE	€/BAG	PCS.	BAGS
BZINVN7060	7 x 60	2,278	4	20
BZINVN7070	7 x 70	2,278	4	20
BZINVN7080	7 x 80	2,278	2	15

CODE	SIZE	€/BOX	PCS.	BOXES
VINVN7060	7 x 60	7,759	15	8
VINVN7070	7 x 70	8,194	15	8

• Non-approved sizes

STAINLESS STEEL



Thin wood

Pinewood



CODE	SIZE	€/100			
•INVA27050	7 x 50	79,087	TX40	100	1.200
•INVA27060	7 x 60	91,681	TX40	100	600
INVA27070	7 x 70	93,928	TX40	100	600
INVA27080	7 x 80	105,886	TX40	100	600

• Non-approved sizes

INV Z

Zinc-plated



13
Técnicas Expansivas S.L.
Segador 13, Logroño.
Spain
EN 14592
Load bearing timber
structures

INV N

Black



13
Técnicas Expansivas S.L.
Segador 13, Logroño.
Spain
EN 14592
Load bearing timber
structures

INV A2

Stainless steel A2



13
Técnicas Expansivas S.L.
Segador 13, Logroño.
Spain
EN 14592
Load bearing timber
structures

MULTI-REFERENCE CASES

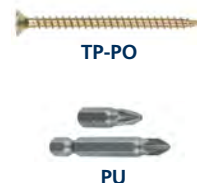
PROFESSIONAL CASE: WOOD CHIPBOARD SCREW + BITS



2.008 pcs.
COD. MLTPPOP101

CODE	CONTENT	N° PIECES	€/1 pc.
MLTPPOP101	TP-PO + BITS	2.008	46,715

TP-PO 3 x 20 x300	TP-PO 3 x 25 x250	TP-PO 3,5 x 16 x300	TP-PO 3,5 x 20 x250
TP-PO 3,5 x 25 x200	TP-PO 3,5 x 30 x150	TP-PO 3,5 x 35 x130	TP-PO 4 x 30 x130
TP-PO 4 x 40 x80	TP-PO 4 x 50 x60	TP-PO 5 x 50 x50	TP-PO 5 x 60 x50
TP-PO 5 x 80 x50		BITS x8	



CHARACTERISTICS:

- High quality multi-product case
- Size: 31.2 x 23.8 x 5.1 cm. (Width x Depth x Height)
- Ergonomic and easy to use
- Stackable
- Up to 21 configurable spaces
- Adjustable dividers
- Ribbed lid to avoid screws mixing
- Strong, resistant closing mechanism

MULTI-PRODUCT PROFESSIONAL CASE



670 pcs.
COD. MLTBOP101

CODE	CONTENT	N° PIECES	€/1 pc.
MLTBOP101	TP-PO + DIN-571 + TACON	670	46,720

TP-PO 5 x 60 x30		TP-PO 5 x 70 x20	TP-PO 5 x 80 x20	DIN-571 6 x 60 x25
TP-PO 4 x 50 x50		TP-PO 5 x 50 x50	TACON Ø 10 x15	DIN-571 6 x 50 x30
TP-PO 3,5 x 25 x80	TP-PO 4 x 30 x70	TP-PO 4 x 40 x70	TACON Ø8 x30	DIN-571 6 x 40 x30
				TACON Ø 6 x150



CHARACTERISTICS:

- High quality multi-product case
- Size: 31.2 x 23.8 x 5.1 cm. (Width x Depth x Height)
- Ergonomic and easy to use
- Stackable
- Up to 21 configurable spaces
- Adjustable dividers
- Ribbed lid to avoid screws mixing
- Strong, resistant closing mechanism

MULTI-REFERENCE CASES

TRANSPARENT CASE

CHARACTERISTIC:

- Three compositions adapted to the needs of each customer. [See below].
- Three sizes available for each composition.
- May be hung on shelf. Has a highly resistant hanger.
- Ideal compositions to increase impulse purchases at the point of sale.
- Ribbed lid to avoid screws mixing.

SIZES



LARGE
29,5 x 18,5 x 4,5 cms.
[Width x Depth x Height]



MEDIUM
23,5 x 14,5 x 4 cms.
[Width x Depth x Height]



SMALL
16 x 10,5 x 3,5 cms.
[Width x Depth x Height]

COMPOSITIONS:

WOOD



TP-PO



PU-PO

CODE	CONTENT	SIZE	N° PIECES	€/1 pc.
MLPPOT101	TP-PO + BITS	SMALL	407	12,677
MLPPOT201	TP-PO + BITS	MEDIUM	902	23,543
MLPPOT301	TP-PO + BITS	LARGE	1.742	36,223

MULTI-PRODUCT



TACON



AL-RO



AL-HA



AL-HC



TP-PO Z



DIN-571

CODE	CONTENT	SIZE	N° PIECES	€/1 pc.
MLMULT101	MULTI-PRODUCT	SMALL	165	12,677
MLMULT201	MULTI-PRODUCT	MEDIUM	415	23,543
MLMULT301	MULTI-PRODUCT	LARGE	1.155	36,223

LAMINATED PLASTERBOARD



AL-HC



AL-RO



AL-HA



TP-PO Z



ANCLA



IN-CO



T4S



TAPLANY



**TAPLAME
+ DIN-7981**

CODE	CONTENT	SIZE	N° PIECES	€/1 pc.
MLPLAT101	MULTI-PRODUCT	SMALL	130	12,677
MLPLAT201	MULTI-PRODUCT	MEDIUM	295	23,543
MLPLAT301	MULTI-PRODUCT	LARGE	455	36,223

FS

Farmer screw metal-wood

FS Z

Zinc-plated



WOOD



CODE	SIZE	€/100			
AFZN144819	4,8 x 19 P14	9,707	8	250	3.000
AFZN144828	4,8 x 28 P14	11,400	8	250	3.000
AFZN144835	4,8 x 35 P14	11,900	8	250	3.000

FS 3009

RAL 3009



WOOD



CODE	SIZE	€/100			
AFRT144819	4,8 x 19 P14 3009	11,843	8	250	3.000
AFRT144828	4,8 x 28 P14 3009	13,143	8	250	3.000
AFRT144835	4,8 x 35 P14 3009	15,703	8	250	3.000

FS 3011

RAL 3011



WOOD



CODE	SIZE	€/100			
AFRD144819	4,8 x 19 P14 3011	11,843	8	250	3.000
AFRD144828	4,8 x 28 P14 3011	13,143	8	250	3.000
AFRD144835	4,8 x 35 P14 3011	15,703	8	250	3.000

FS 5010

RAL 5010



WOOD



CODE	SIZE	€/100			
AFAZ144819	4,8 x 19 P14 5010	11,843	8	250	3.000
AFAZ144828	4,8 x 28 P14 5010	13,143	8	250	3.000
AFAZ144835	4,8 x 35 P14 5010	15,703	8	250	3.000

FS 6005

RAL 6005



WOOD



CODE	SIZE	€/100			
AFVE144819	4,8 x 19 P14 6005	11,843	8	250	3.000
AFVE144828	4,8 x 28 P14 6005	13,143	8	250	3.000
AFVE144835	4,8 x 35 P14 6005	15,703	8	250	3.000

FS 8004

RAL 8004



WOOD



CODE	SIZE	€/100			
AFMC144819	4,8 x 19 P14 8004	11,843	8	250	3.000
AFMC144828	4,8 x 28 P14 8004	13,143	8	250	3.000
AFMC144835	4,8 x 35 P14 8004	15,703	8	250	3.000

Farmer screw metal-wood

FS

WOOD



Metal sheet - wood



Thin wood



Pinewood



RAL 8017

CODE	SIZE	€/100			
AFMD144819	4,8 x 19 P14 8017	11,843	8	250	3.000
AFMD144828	4,8 x 28 P14 8017	13,143	8	250	3.000
AFMD144835	4,8 x 35 P14 8017	15,703	8	250	3.000

FS 8017

RAL 8017



WOOD



Metal sheet - wood



Thin wood



Pinewood



RAL 8019

CODE	SIZE	€/100			
AFPG144819	4,8 x 19 P14 8019	11,843	8	250	3.000
AFPG144828	4,8 x 28 P14 8019	13,143	8	250	3.000
AFPG144835	4,8 x 35 P14 8019	15,703	8	250	3.000

FS 8019

RAL 8019



WOOD



Metal sheet - wood



Thin wood



Pinewood



RAL 9005

CODE	SIZE	€/100			
AFNE144819	4,8 x 19 P14 9005	11,843	8	250	3.000
AFNE144828	4,8 x 28 P14 9005	13,143	8	250	3.000
AFNE144835	4,8 x 35 P14 9005	15,703	8	250	3.000

FS 9005

RAL 9005



WOOD



Metal sheet - wood



Thin wood



Pinewood



RAL 9006

CODE	SIZE	€/100			
AFGR144819	4,8 x 19 P14 9006	11,843	8	250	3.000
AFGR144828	4,8 x 28 P14 9006	13,143	8	250	3.000
AFGR144835	4,8 x 35 P14 9006	15,703	8	250	3.000

FS 9006

RAL 9006



WOOD



Metal sheet - wood



Thin wood



Pinewood



RAL 9010

CODE	SIZE	€/100			
AFBL144819	4,8 x 19 P14 9010	11,843	8	250	3.000
AFBL144828	4,8 x 28 P14 9010	13,143	8	250	3.000
AFBL144835	4,8 x 35 P14 9010	15,703	8	250	3.000

FS 9010

RAL 9010



T-CLA

Nail screw for aluminium venetian blinds. Zinc-plated. Pz + slot recess.

WOOD



CODE	SIZE	€/100			
TCLA3928	3,9 x 28	2,970	PZ2	1.000	12.000

ABA

Self-drilling screw, with two wings, countersunk head, Ph recess

WOOD



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
ABA4832	4,8 x 32	4,187	PH2	16	1,75 - 4,00	500	6.000
ABA4838	4,8 x 38	4,723	PH2	22	1,75 - 4,00	500	6.000
ABA4845	4,8 x 45	5,443	PH2	29	1,75 - 4,00	500	3.000
ABA4850	4,8 x 50	6,357	PH2	34	1,75 - 4,00	500	3.000
ABA5538	5,5 x 38	7,233	PH2	19	1,75 - 5,00	500	3.000
ABA5545	5,5 x 45	7,360	PH2	26	1,75 - 5,00	500	3.000
ABA5555	5,5 x 55	8,787	PH2	36	1,75 - 5,00	500	3.000
ABA5565	5,5 x 65	10,670	PH2	46	1,75 - 5,00	500	2.000
ABA6360	6,3 x 60	13,933	PH2	40	2,5 - 6,00	250	1.500
ABA6370	6,3 x 70	15,860	PH2	50	2,5 - 6,00	250	1.500
ABA6385	6,3 x 85	19,033	PH2	65	2,5 - 6,00	250	1.000

ATA

Self-drilling screw, with two wings, countersunk head, Tx recess

WOOD



CODE	SIZE	€/100		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
ATA4832	4,8 x 32	4,607	TX25	16	1,75 - 4,00	500	6.000
ATA4838	4,8 x 38	5,197	TX25	22	1,75 - 4,00	500	6.000
ATA4845	4,8 x 45	5,987	TX25	29	1,75 - 4,00	500	3.000
ATA4850	4,8 x 50	6,990	TX25	34	1,75 - 4,00	500	3.000
ATA5538	5,5 x 38	7,957	TX25	19	1,75 - 5,00	500	3.000
ATA5545	5,5 x 45	8,097	TX25	26	1,75 - 5,00	500	3.000
ATA5550	5,5 x 50	9,440	TX25	31	1,75 - 5,00	500	3.000
ATA5555	5,5 x 55	9,663	TX25	36	1,75 - 5,00	500	2.000
ATA5565	5,5 x 65	11,737	TX25	46	1,75 - 5,00	500	2.000
ATA6350	6,3 x 50	13,793	TX30	30	2,5 - 6,00	500	2.000
ATA6360	6,3 x 60	15,327	TX30	40	2,5 - 6,00	250	1.500
ATA6370	6,3 x 70	17,447	TX30	80	2,5 - 6,00	250	1.500
ATA6385	6,3 x 85	20,937	TX30	65	2,5 - 6,00	250	1.000
ATA6310	6,3 x 100	30,173	TX30	80	2,5 - 6,00	250	750

FIMA

Cylindrical extraflat head screw with twinfast thread. For aluminium

WOOD



CODE	SIZE	€/100			
TFI4825	4,8 x 25	4,803	TX20	500	6.000
TFI4835	4,8 x 35	5,710	TX20	500	6.000
TFI4845	4,8 x 45	7,347	TX20	500	3.000
TFI4855	4,8 x 55	8,597	TX20	500	3.000
TFI4865	4,8 x 65	10,220	TX20	250	1.500
TFI4875	4,8 x 75	12,230	TX20	250	1.500
TFI4890	4,8 x 90	18,307	TX20	250	1.500



METRIC THREAD SCREWS



DIN-84

Screw with cylindrical head, slotted recess, 4.8

METAL



CODE	SIZE	€/100		
T0840306Z	M3 x 6	1,497	1.000	30.000
T0840308Z	M3 x 8	1,497	1.000	30.000
T0840310Z	M3 x 10	1,563	1.000	24.000
T0840316Z	M3 x 16	1,890	1.000	16.000
T0840320Z	M3 x 20	2,377	1.000	12.000
T0840406Z	M4 x 6	2,220	500	15.000
T0840408Z	M4 x 8	2,264	500	12.000
T0840410Z	M4 x 10	2,421	500	12.000
T0840412Z	M4 x 12	2,485	500	12.000
T0840416Z	M4 x 16	2,810	500	8.000
T0840420Z	M4 x 20	2,950	500	8.000
T0840425Z	M4 x 25	3,342	500	6.000
T0840435Z	M4 x 35	5,127	250	3.000
T0840470Z	M4 x 70	12,447	100	1.200
T0840506Z	M5 x 6	3,233	500	8.000
T0840510Z	M5 x 10	3,342	500	8.000
T0840512Z	M5 x 12	3,903	250	7.500
T0840516Z	M5 x 16	4,491	250	6.000
T0840520Z	M5 x 20	4,447	250	6.000
T0840525Z	M5 x 25	4,981	250	4.000
T0840530Z	M5 x 30	6,239	250	4.000
T0840540Z	M5 x 40	7,245	250	3.000
T0840550Z	M5 x 50	10,064	250	3.000
T0840560Z	M5 x 60	12,033	250	1.500
T0840608Z	M6 x 8	4,814	250	1.500
T0840610Z	M6 x 10	4,937	250	4.000
T0840616Z	M6 x 16	6,127	250	4.000
T0840620Z	M6 x 20	6,494	250	3.000
T0840625Z	M6 x 25	7,466	250	3.000
T0840630Z	M6 x 30	8,270	250	3.000
T0840640Z	M6 x 40	9,690	250	1.500
T0840650Z	M6 x 50	11,907	250	1.500

ADAPTED WEBSITE

- RESPONSIVE DESIGN. ADAPTED TO ANY DEVICE (COMPUTERS, SMARTPHONES, TABLETS...).

- NEW PREDICTIVE SEARCH.

- ENHANCES USER EXPERIENCE. NEW DESIGN.

www.indexfix.com





Plain washer

DIN-125

METAL



CODE	SIZE	€/100		
D12504	M4	0,569	1.000	45.000
D12505	M5	0,676	1.000	24.000
D12506	M6	1,227	500	22.500
D12508	M8	1,938	250	11.250
D12510	M10	3,588	250	6.000
D12512	M12	6,157	250	3.000
D12514	M14	8,469	200	2.400
D12516	M16	12,719	100	2.400
D12518	M18	15,149	100	2.400
D12520	M20	17,215	50	1.200
D12522	M22	31,411	50	1.200
D12524	M24	39,354	50	600
D12527	M27	52,433	50	600
D12530	M30	75,192	50	300
D12533	M33	125,847	50	300
D12536	M36	152,284	25	300



Blister



Window Box

CODE	SIZE	€/BAG	PCS. 	BAGS
BZ125ZM04	M4	1,803	40	20
BZ125ZM05	M5	1,803	40	20
BZ125ZM06	M6	1,803	20	20
BZ125ZM08	M8	1,803	10	20
BZ125ZM10	M10	1,803	10	20
BZ125ZM12	M12	1,803	6	20

CODE	SIZE	€/BOX	PCS. 	BOXES
VD12504	M4	2,703	200	8
VD12505	M5	2,421	150	8
VD12506	M6	2,927	100	8
VD12508	M8	3,376	75	8
VD12510	M10	6,256	75	8
VD12512	M12	7,371	50	8



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZ125IM04	M4	1,803	10	20
BZ125IM06	M6	1,803	8	20
BZ125IM08	M8	1,803	6	20



DIN-125 A2

Spring washer

DIN-127

METAL



CODE	SIZE	€/100		
D12704	M4	0,570	500	22.500
D12705	M5	0,867	500	22.500
D12706	M6	1,167	500	12.000
D12708	M8	1,908	200	4.800
D12710	M10	3,611	100	2.400
D12712	M12	4,906	100	2.400
D12714	M14	8,750	100	2.400
D12716	M16	11,818	50	1.200
D12718	M18	14,232	50	1.200
D12720	M20	18,578	25	300
D12722	M22	30,736	25	600
D12724	M24	39,389	25	600
D12727	M27	50,667	25	600
D12730	M30	92,817	25	300
D12736	M36	188,327	25	300



Blister



Window Box

CODE	SIZE	€/BAG	PCS. 	BAGS
BZ12704	M4	1,803	20	20
BZ12705	M5	1,803	20	20
BZ12706	M6	1,803	10	20
BZ12708	M8	1,803	5	20
BZ12710	M10	1,803	5	20
BZ12712	M12	1,803	4	20

CODE	SIZE	€/BOX	PCS. 	BOXES
VD12705	M5	2,060	100	8
VD12706	M6	2,863	100	8
VD12708	M8	2,251	50	8
VD12710	M10	1,897	25	8
VD12704	M4	1,635	100	8
VD12712	M12	3,040	25	8



DIN-9021

Wide plain washer



METAL



CODE	SIZE	€/100		
D902104	M4	1,293	500	12.000
D902105	M5	1,357	500	12.000
D902106	M6	2,564	500	12.000
D902108	M8	5,430	200	4.800
D902110	M10	10,443	100	2.400
D902112	M12	18,947	100	1.200
D902114	M14	28,370	100	1.200
D902116	M16	32,656	50	600
D902118	M18	67,481	50	600
D902120	M20	68,437	25	300
D902122	M22	170,425	25	300
D902124	M24	184,977	25	150



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZ902104	M4	1,803	20	20
BZ902105	M5	1,803	20	20
BZ902106	M6	1,803	10	20
BZ902108	M8	1,803	5	20
BZ902110	M10	1,803	5	20
BZ902112	M12	1,803	4	20



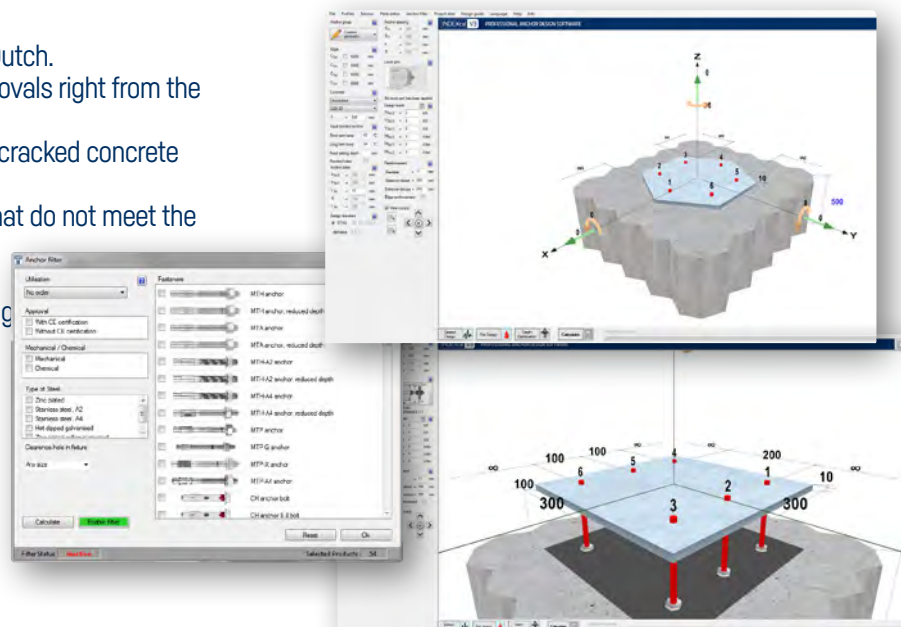
Window Box

CODE	SIZE	€/BOX	PCS.	BOXES
VD902104	M4	2,757	125	8
VD902105	M5	3,050	125	8
VD902106	M6	3,570	100	8
VD902108	M8	4,017	50	8
VD902110	M10	4,430	30	8
VD902112	M12	4,000	15	8

ANCHOR CALCULATION SOFTWARE

INDEXcal V4

- Multilingual: Spanish, English, French, German, Dutch.
- Direct access to technical data sheets and approvals right from the software.
- Valid for different strengths of cracked and non-cracked concrete
- Calculation for fire and/or seismic conditions.
- Indicates the reason for rejecting any anchors that do not meet the structural requirements.
- Anchor filtering option.
- Customisation of anchor plates, including rectangular, octagonal and irregular shapes.
- Standard profiles can be included in the design.
- Complete report in PDF format, customisable.
- Online updates.
- 3D user interface.





Hexagonal nut

DIN-934

METAL



CODE	SIZE	€/100		
D93404	M4	1,016	1.000	45.000
D93405	M5	1,319	500	12.000
D93406	M6	2,071	500	12.000
D93408	M8	3,696	250	6.000
D93410	M10	8,830	250	3.000
D93412	M12	13,957	250	1.500
D93414	M14	18,622	100	1.200
D93416	M16	27,696	100	600
D93418	M18	39,539	100	600
D93420	M20	46,073	50	600
D93422	M22	73,896	50	300
D93424	M24	103,671	25	300
D93427	M27	178,956	25	150
D93430	M30	237,643	25	150
D93433	M33	338,697	10	120
D93436	M36	359,497	10	60



Blister



Window Box

CODE	SIZE	€/BAG	PCS.	BAGS
BZ934ZM04	M4	1,803	40	20
BZ934ZM05	M5	1,803	40	20
BZ934ZM06	M6	1,803	20	20
BZ934ZM08	M8	1,803	10	20
BZ934ZM10	M10	1,803	10	15
BZ934ZM12	M12	1,803	6	15

CODE	SIZE	€/BOX	PCS.	BOXES
VD93404	M4	2,224	150	8
VD93405	M5	2,064	100	8
VD93406	M6	3,104	100	8
VD93408	M8	2,771	50	8
VD93410	M10	3,975	30	8
VD93412	M12	4,189	20	8



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZ934IM04	M4	1,803	10	20
BZ934IM06	M6	1,803	8	20
BZ934IM08	M8	1,803	6	20



DIN-934 A2

Nylon insert nut

DIN-985

METAL



CODE	SIZE	€/100		
DZ98504	M4	1,907	500	12.000
DZ98505	M5	1,982	500	12.000
DZ98506	M6	2,996	500	12.000
DZ98508	M8	4,937	250	6.000
DZ98510	M10	11,039	250	3.000
DZ98512	M12	17,726	100	1.200
DZ98514	M14	28,895	100	1.200
DZ98516	M16	34,515	50	600
DZ98518	M18	64,897	50	600
DZ98520	M20	71,801	25	300
DZ98522	M22	129,540	25	300
DZ98524	M24	172,800	25	300
DZ98527	M27	431,601	15	180
DZ98530	M30	558,417	15	90



Blister



Window Box

CODE	SIZE	€/BAG	PCS.	BAGS
BZZ98504	M4	1,803	20	20
BZZ98505	M5	1,803	20	20
BZZ98506	M6	1,803	10	20
BZZ98508	M8	1,803	5	20
BZZ98510	M10	1,803	5	15
BZZ98512	M12	1,803	3	15

CODE	SIZE	€/BOX	PCS.	BOXES
VDZ98504	M4	3,001	100	8
VDZ98505	M5	2,984	100	8
VDZ98506	M6	3,612	80	8
VDZ98508	M8	3,725	50	8
VDZ98510	M10	4,161	25	8
VDZ98512	M12	4,007	15	8



DIN-933

Metric screw (hexagonal)



METAL



CODE	SIZE	€/100			
D93306010	M6 x 10	4,607	10	250	6.000
D93306012	M6 x 12	5,060	10	250	6.000
D93306016	M6 x 16	5,430	10	250	6.000
D93306020	M6 x 20	6,235	10	250	3.000
D93306025	M6 x 25	6,857	10	250	3.000
D93306030	M6 x 30	7,896	10	250	3.000
D93306040	M6 x 40	9,925	10	250	3.000
D93306050	M6 x 50	11,934	10	250	1.000
D93306065	M6 x 65	14,747	10	100	600
D93308016	M8 x 16	11,110	13	200	2.400
D93308020	M8 x 20	12,253	13	200	1.600
D93308025	M8 x 25	14,193	13	200	2.400
D93308030	M8 x 30	16,386	13	200	1.200
D93308035	M8 x 35	17,052	13	200	1.200
D93308040	M8 x 40	16,069	13	200	1.200
D93308050	M8 x 50	20,365	13	200	800
D93308060	M8 x 60	24,452	13	200	800
D93308070	M8 x 70	30,290	13	200	800
D93308080	M8 x 80	40,057	13	100	600
D93308090	M8 x 90	50,379	13	100	600
D93308100	M8 x 100	55,391	13	100	400
D93308110	M8 x 110	132,478	13	100	400
D93308120	M8 x 120	133,300	13	100	400
D93310016	M10 x 16	20,876	17	200	1.200
D93310020	M10 x 20	21,120	17	200	1.200
D93310025	M10 x 25	24,539	17	200	1.200
D93310030	M10 x 30	27,808	17	200	800
D93310035	M10 x 35	29,718	17	200	1.200
D93310040	M10 x 40	30,617	17	200	800
D93310050	M10 x 50	36,910	17	200	800
D93310060	M10 x 60	41,113	17	100	600
D93310070	M10 x 70	46,737	17	100	400
D93310080	M10 x 80	54,431	17	100	400
D93310090	M10 x 90	73,069	17	50	300
D93312020	M12 x 20	33,022	19	100	1.200
D93312025	M12 x 25	34,023	19	100	600
D93312030	M12 x 30	37,481	19	100	600
D93312035	M12 x 35	42,093	19	100	600
D93312040	M12 x 40	44,650	19	100	600
D93312045	M12 x 45	51,349	19	100	600
D93312050	M12 x 50	52,982	19	100	400
D93312060	M12 x 60	57,367	19	100	400
D93312070	M12 x 70	69,321	19	100	400
D93312080	M12 x 80	85,193	19	50	300
D93312090	M12 x 90	105,145	19	50	300
D93312100	M12 x 100	118,825	19	25	300
D93312110	M12 x 110	174,653	19	25	300
D93312120	M12 x 120	188,911	19	25	300
D93314030	M14 x 30	67,414	22	50	400
D93314040	M14 x 40	79,048	22	50	300
D93314050	M14 x 50	94,795	22	50	300
D93314060	M14 x 60	106,819	22	50	300
D93314070	M14 x 70	120,595	22	50	300
D93314080	M14 x 80	131,285	22	25	150
D93314090	M14 x 90	157,426	22	25	150
D93314100	M14 x 100	177,031	22	25	150
D93314110	M14 x 110	205,502	22	25	150
D93316030	M16 x 30	101,263	24	50	300
D93316040	M16 x 40	89,640	24	50	300
D93316045	M16 x 45	116,213	24	50	300
D93316050	M16 x 50	116,563	24	50	300
D93316060	M16 x 60	117,967	24	50	200
D93316070	M16 x 70	153,552	24	25	150
D93316080	M16 x 80	167,697	24	25	150
D93316090	M16 x 90	178,377	24	25	150
D93316100	M16 x 100	223,959	24	25	150
D93316110	M16 x 110	313,380	24	25	150
D93316120	M16 x 120	329,773	24	25	150
D93318040	M18 x 40	163,437	27	25	300
D93318050	M18 x 50	176,767	27	25	150
D93318060	M18 x 60	195,313	27	25	150
D93318070	M18 x 70	235,883	27	25	150
D93318080	M18 x 80	253,847	27	25	150
D93318090	M18 x 90	330,933	27	25	150
D93318100	M18 x 100	371,500	27	25	150



BLISTER & WINDOW BOX
Next page



Metric screw [hexagonal]

DIN-933



CODE	SIZE	€/100			
D93318110	M18 x 110	512,333	27	25	100
D93320030	M20 x 30	212,643	30	25	150
D93320040	M20 x 40	193,723	30	25	150
D93320050	M20 x 50	177,507	30	25	150
D93320060	M20 x 60	222,693	30	25	150
D93320070	M20 x 70	246,453	30	25	100
D93320080	M20 x 80	270,437	30	10	120
D93320090	M20 x 90	330,933	30	10	60
D93320100	M20 x 100	373,007	30	10	60
D93320110	M20 x 110	514,213	30	10	60
D93320120	M20 x 120	536,663	30	10	60



Blister



Window Box

CODE	SIZE	€/BAG	PCS. 	BAGS
BZ3Z04020	M4 x 20	1,803	6	20
BZ3Z04030	M4 x 30	1,803	6	20
BZ3Z05010	M5 x 10	1,803	6	20
BZ3Z05015	M5 x 15	1,803	6	20
BZ3Z05020	M5 x 20	1,803	6	20
BZ3Z05025	M5 x 25	1,803	6	20
BZ3Z05030	M5 x 30	1,803	6	20
BZ3Z05040	M5 x 40	1,803	6	20
BZ3Z05050	M5 x 50	1,803	6	20
BZ3Z06016	M6 x 16	1,803	6	20
BZ3Z06020	M6 x 20	1,803	6	20
BZ3Z06025	M6 x 25	1,803	6	20
BZ3Z06030	M6 x 30	1,803	6	20
BZ3Z06040	M6 x 40	1,803	6	20
BZ3Z06050	M6 x 50	1,803	6	20
BZ3Z06060	M6 x 60	1,803	4	20
BZ3Z06070	M6 x 70	1,803	4	20
BZ3Z08016	M8 x 16	1,803	4	20
BZ3Z08020	M8 x 20	1,803	4	20
BZ3Z08025	M8 x 25	1,803	4	20
BZ3Z08030	M8 x 30	1,803	4	20
BZ3Z08040	M8 x 40	1,803	4	20
BZ3Z08050	M8 x 50	1,803	4	20
BZ3Z08060	M8 x 60	1,803	4	20
BZ3Z08070	M8 x 70	1,803	4	20

CODE	SIZE	€/BOX	PCS. 	BOXES
VD93306016	M6 x 16	3,717	50	8
VD93306020	M6 x 20	4,213	50	8
VD93306025	M6 x 25	4,165	45	8
VD93306030	M6 x 30	4,264	40	8
VD93306040	M6 x 40	4,021	30	8
VD93308016	M8 x 16	6,092	40	8
VD93308020	M8 x 20	5,938	35	8
VD93308025	M8 x 25	5,747	30	8
VD93308030	M8 x 30	5,532	25	8
VD93308040	M8 x 40	4,404	20	8
VD93308050	M8 x 50	4,185	15	8
VD93308060	M8 x 60	5,026	15	8
VD93310020	M10 x 20	4,384	15	8
VD93310030	M10 x 30	5,631	15	8
VD93310040	M10 x 40	4,134	10	8
VD93310050	M10 x 50	4,982	10	8
VD93312030	M12 x 30	5,053	10	8
VD93312040	M12 x 40	4,944	8	8
VD93312050	M12 x 50	4,291	6	8

PROFESSIONAL BOX
Previous page

Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZ3I04020	M4 x 20	1,803	4	20
BZ3I04030	M4 x 30	1,803	4	20
BZ3I06020	M6 x 20	1,803	4	20
BZ3I06030	M6 x 30	1,803	3	20
BZ3I06040	M6 x 40	1,803	2	20
BZ3I06050	M6 x 50	1,803	2	20
BZ3I08020	M8 x 20	1,803	2	20
BZ3I08030	M8 x 30	1,803	2	20
BZ3I08040	M8 x 40	1,803	2	20
BZ3I08050	M8 x 50	1,803	2	20
BZ3I08060	M8 x 60	1,803	2	20



DIN-933 A2



DIN-912

Allen screw

METAL



CODE	SIZE	€/100			
D91204010	M4 x 10	4,090	3	500	12.000
D91204012	M4 x 12	5,357	3	500	12.000
D91204016	M4 x 16	5,430	3	500	12.000
D91204020	M4 x 20	5,566	3	500	6.000
D91205010	M5 x 10	4,998	4	500	12.000
D91205012	M5 x 12	5,018	4	500	6.000
D91205016	M5 x 16	5,113	4	500	6.000
D91205020	M5 x 20	5,190	4	500	6.000
D91205025	M5 x 25	6,768	4	500	6.000
D91206010	M6 x 10	7,040	5	200	4.800
D91206012	M6 x 12	7,155	5	200	4.800
D91206016	M6 x 16	7,321	5	200	4.800
D91206020	M6 x 20	7,811	5	200	2.400
D91206025	M6 x 25	11,523	5	200	2.400
D91206030	M6 x 30	11,969	5	200	2.400
D91208016	M8 x 16	12,895	6	100	2.400
D91208020	M8 x 20	13,756	6	100	2.400
D91208025	M8 x 25	15,023	6	100	1.200
D91208030	M8 x 30	18,023	6	100	1.200
D91208040	M8 x 40	28,454	6	100	1.200
D91210020	M10 x 20	34,908	8	100	1.200
D91210030	M10 x 30	38,854	8	100	1.200
D91210040	M10 x 40	47,820	8	100	600
D91210050	M10 x 50	54,144	8	100	600
D91210060	M10 x 60	61,702	8	100	600
D91210070	M10 x 70	67,028	8	100	600



Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VD91204010	M4 x 10	8,217	150	8
VD91204012	M4 x 12	8,986	125	8
VD91204020	M4 x 20	7,469	100	8
VD91205010	M5 x 10	8,087	100	8
VD91205012	M5 x 12	7,185	100	8
VD91205016	M5 x 16	6,082	90	8
VD91205020	M5 x 20	4,869	70	8
VD91205025	M5 x 25	5,450	60	8
VD91206010	M6 x 10	4,841	50	8
VD91206012	M6 x 12	4,708	50	8
VD91206016	M6 x 16	4,616	50	8
VD91206020	M6 x 20	5,238	50	8
VD91206025	M6 x 25	7,916	50	8
VD91206030	M6 x 30	5,617	35	8
VD91208016	M8 x 16	5,190	30	8
VD91208020	M8 x 20	5,381	30	8
VD91208030	M8 x 30	4,835	20	8



Bolt and nut

DIN-603/934

METAL



CODE	SIZE	€/100			
D603905020	M5 x 20	6,623	PC5	500	3.000
D603905030	M5 x 30	7,558	PC5	500	3.000
D603905040	M5 x 40	9,982	PC5	200	2.400
D603905050	M5 x 50	12,808	PC5	200	2.400
D603906016	M6 x 16	9,505	PC5	200	2.400
D603906020	M6 x 20	9,565	PC6	200	2.400
D603906030	M6 x 30	10,709	PC6	200	1.200
D603906040	M6 x 40	12,061	PC6	200	1.200
D603906050	M6 x 50	14,923	PC6	200	1.200
D603906060	M6 x 60	17,190	PC6	100	1.200
D603906070	M6 x 70	20,710	PC6	100	1.200
D603906080	M6 x 80	20,954	PC6	100	600
D603906090	M6 x 90	32,694	PC6	100	600
D603906100	M6 x 100	35,088	PC6	100	600
D603908020	M8 x 20	18,520	PC8	200	1.200
D603908025	M8 x 25	18,622	PC8	200	1.200
D603908030	M8 x 30	19,778	PC8	200	1.200
D603908040	M8 x 40	22,117	PC8	200	1.200
D603908050	M8 x 50	27,758	PC8	100	1.200
D603908060	M8 x 60	31,124	PC8	100	600
D603908070	M8 x 70	33,228	PC8	100	600
D603908080	M8 x 80	38,400	PC8	100	400
D603908090	M8 x 90	47,726	PC8	100	600
D603908100	M8 x 100	48,280	PC8	100	600
D603908110	M8 x 110	49,205	PC8	50	300
D603908120	M8 x 120	49,501	PC8	50	300
D603910025	M10 x 25	32,667	PC10	100	600
D603910030	M10 x 30	42,663	PC10	100	600
D603910040	M10 x 40	45,138	PC10	100	600
D603910050	M10 x 50	48,933	PC10	100	600
D603910060	M10 x 60	58,381	PC10	50	300
D603910070	M10 x 70	63,339	PC10	50	300
D603910080	M10 x 80	71,767	PC10	50	300
D603910090	M10 x 90	78,057	PC10	50	300
D603910100	M10 x 100	81,903	PC10	50	300
D603910110	M10 x 110	92,473	PC10	25	300
D603910120	M10 x 120	98,127	PC10	25	300
D603912030	M12 x 30	99,202	PC12	50	300
D603912040	M12 x 40	81,100	PC12	50	300
D603912050	M12 x 50	92,055	PC12	50	300
D603912060	M12 x 60	100,300	PC12	25	300
D603912070	M12 x 70	136,398	PC12	25	300



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZ603905020	M5 x 20	2,278	10	15
BZ603905030	M5 x 30	2,278	10	15
BZ603905040	M5 x 40	2,278	4	15
BZ603905050	M6 x 16	2,278	4	15
BZ603906016	M6 x 80	2,278	4	15
BZ603906020	M6 x 20	2,278	4	15
BZ603906030	M6 x 30	2,278	4	15
BZ603906040	M6 x 40	2,278	4	15
BZ603906050	M6 x 50	2,278	4	15
BZ603906060	M6 x 60	2,278	2	15
BZ603906070	M6 x 70	2,278	2	15
BZ603906080	M8 x 20	2,278	2	15
BZ603908025	M8 x 25	2,278	4	15
BZ603908030	M8 x 30	2,278	4	15
BZ603908040	M8 x 40	2,278	4	15
BZ603908050	M8 x 50	2,278	2	15
BZ603908060	M8 x 60	2,278	2	15
BZ603908070	M8 x 70	2,278	2	15
BZ603908080	M8 x 80	2,278	2	12
BZ603908090	M8 x 90	2,278	2	12
BZ603910025	M10 x 25	2,278	2	10
BZ603910030	M10 x 30	2,278	2	10
BZ603910040	M10 x 40	2,278	2	10
BZ603910050	M12 x 70	2,278	2	10



Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VD603905020	M5 x 20	4,379	50	8
VD603905030	M5 x 30	3,995	40	8
VD603905050	M5 x 50	6,052	35	8
VD603906020	M6 x 20	3,760	30	8
VD603906030	M6 x 30	4,253	30	8
VD603906040	M6 x 40	3,995	25	8
VD603906050	M6 x 50	5,035	25	8
VD603906060	M6 x 60	5,804	25	8
VD603906070	M6 x 70	7,273	25	8
VD603906080	M6 x 80	5,658	20	8
VD603908025	M8 x 25	3,774	15	8
VD603908030	M8 x 30	4,009	15	8
VD603908040	M8 x 40	4,481	15	8
VD603908050	M8 x 50	5,624	15	8
VD603908060	M8 x 60	5,046	12	8
VD603908070	M8 x 70	4,488	10	8
VD603908080	M8 x 80	5,185	10	8
VD603908090	M8 x 90	6,443	10	8
VD603910025	M10 x 25	6,616	15	8
VD603910030	M10 x 30	5,760	10	8
VD603910040	M10 x 40	5,977	10	8
VD603910050	M10 x 50	6,065	8	8



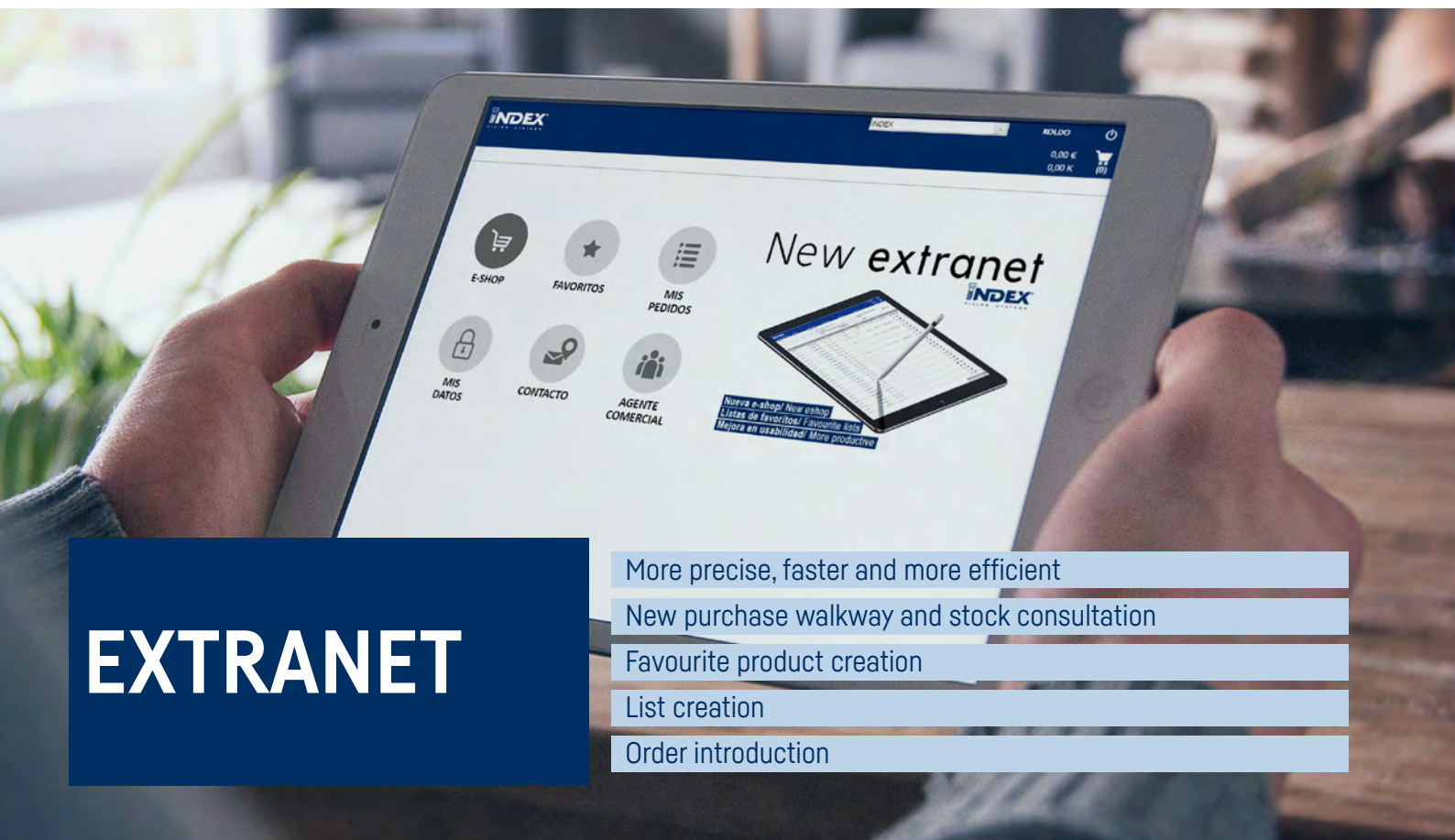
DIN-963

Screw with countersunk head, slotted recess, 4.8

METAL



CODE	SIZE	€/100		
T9630416Z	M4 x 16	2,427	500	12.000
T9630420Z	M4 x 20	2,533	500	12.000
T9630440Z	M4 x 40	4,604	250	3.000
T9630450Z	M4 x 50	6,831	250	3.000
T9630510Z	M5 x 10	2,564	500	12.000
T9630516Z	M5 x 16	3,152	250	7.500
T9630520Z	M5 x 20	3,675	250	6.000
T9630525Z	M5 x 25	4,566	250	6.000
T9630530Z	M5 x 30	4,712	250	4.000
T9630550Z	M5 x 50	8,803	250	3.000
T9630560Z	M5 x 60	10,618	250	1.500
T9630616Z	M6 x 16	4,566	250	6.000
T9630620Z	M6 x 20	5,348	250	4.000
T9630625Z	M6 x 25	6,018	250	3.000
T9630630Z	M6 x 30	6,831	250	3.000
T9630640Z	M6 x 40	8,435	250	1.500



EXTRANET

More precise, faster and more efficient

New purchase walkway and stock consultation

Favourite product creation

List creation

Order introduction



Screw with countersunk head, Ph recess, 4.8

DIN-965

METAL



CODE	SIZE	€/100			
T9650306Z	M3 x 6	1,452	PH1	1.000	45.000
T9650310Z	M3 x 10	1,452	PH1	1.000	30.000
T9650408Z	M4 x 8	2,186	PH2	500	22.500
T9650410Z	M4 x 10	2,261	PH2	500	12.000
T9650416Z	M4 x 16	2,479	PH2	500	12.000
T9650420Z	M4 x 20	2,808	PH2	500	12.000
T9650425Z	M4 x 25	3,094	PH2	500	6.000
T9650430Z	M4 x 30	3,750	PH2	500	6.000
T9650440Z	M4 x 40	5,100	PH2	250	3.000
T9650510Z	M5 x 10	3,420	PH2	250	11.250
T9650516Z	M5 x 16	3,934	PH2	250	6.000
T9650520Z	M5 x 20	4,369	PH2	250	6.000
T9650525Z	M5 x 25	4,916	PH2	250	6.000
T9650530Z	M5 x 30	5,498	PH2	250	4.000
T9650540Z	M5 x 40	6,960	PH2	250	3.000
T9650550Z	M5 x 50	9,034	PH2	250	3.000
T9650560Z	M5 x 60	11,363	PH2	250	1.500
T9650610Z	M6 x 10	5,110	PH3	250	6.000
T9650612Z	M6 x 12	5,212	PH3	250	6.000
T9650616Z	M6 x 16	5,603	PH3	250	6.000
T9650620Z	M6 x 20	6,412	PH3	250	4.000
T9650625Z	M6 x 25	7,103	PH3	250	3.000
T9650630Z	M6 x 30	7,942	PH3	250	3.000
T9650635Z	M6 x 35	8,850	PH3	250	3.000
T9650640Z	M6 x 40	9,755	PH3	250	1.500
T9650650Z	M6 x 50	11,798	PH3	250	1.500
T9650660Z	M6 x 60	13,984	PH3	100	1.200
T9650450Z	M4 x 50	5,933	PH2	250	3.000



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZT9650410Z	M4 x 10	1,803	6	20
BZT9650420Z	M4 x 20	1,803	6	20
BZT9650430Z	M4 x 30	1,803	6	20
BZT9650510Z	M5 x 10	1,803	6	20
BZT9650520Z	M5 x 20	1,803	6	20
BZT9650525Z	M5 x 25	1,803	6	20
BZT9650530Z	M5 x 30	1,803	6	20
BZT9650620Z	M6 x 20	1,803	6	20
BZT9650630Z	M6 x 30	1,803	6	20
BZT9650640Z	M6 x 40	1,803	6	20



Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VT9650306Z	M3 x 6	3,847	200	8
VT9650310Z	M3 x 10	3,847	200	8
VT9650408Z	M4 x 8	2,893	100	8
VT9650410Z	M4 x 10	2,997	100	8
VT9650420Z	M4 x 20	3,717	100	8
VT9650425Z	M4 x 25	4,093	100	8
VT9650430Z	M4 x 30	4,960	100	8
VT9650416Z	M4 x 16	3,280	100	8
VT9650516Z	M5 x 16	3,647	70	8
VT9650520Z	M5 x 20	4,050	70	8
VT9650530Z	M5 x 30	3,637	50	8
VT9650540Z	M5 x 40	4,607	50	8
VT9650610Z	M6 x 10	4,827	70	8
VT9650616Z	M6 x 16	5,193	70	8
VT9650620Z	M6 x 20	5,943	70	8
VT9650630Z	M6 x 30	5,257	50	8
VT9650510Z	M5 x 10	3,170	70	8



DIN-7985

Screw with panhead, Ph recess, 4.8

METAL



CODE	SIZE	€/100			
T9850306Z	M3 x 6	1,260	PH1	1.000	30.000
T9850308Z	M3 x 8	1,267	PH1	1.000	30.000
T9850310Z	M3 x 10	1,267	PH1	1.000	24.000
T9850312Z	M3 x 12	1,393	PH1	1.000	24.000
T9850316Z	M3 x 16	1,497	PH1	1.000	16.000
T9850320Z	M3 x 20	1,817	PH1	1.000	12.000
T9850406Z	M4 x 6	2,000	PH2	500	12.000
T9850408Z	M4 x 8	1,967	PH2	500	12.000
T9850410Z	M4 x 10	2,373	PH2	500	12.000
T9850412Z	M4 x 12	2,438	PH2	500	8.000
T9850416Z	M4 x 16	2,655	PH2	500	8.000
T9850420Z	M4 x 20	2,808	PH2	500	8.000
T9850425Z	M4 x 25	3,352	PH2	500	6.000
T9850430Z	M4 x 30	4,043	PH2	500	6.000
T9850435Z	M4 x 35	5,331	PH2	250	3.000
T9850440Z	M4 x 40	5,573	PH2	250	3.000
T9850450Z	M4 x 50	7,626	PH2	250	3.000
T9850506Z	M5 x 6	3,607	PH2	500	8.000
T9850508Z	M5 x 8	3,638	PH2	500	8.000
T9850510Z	M5 x 10	3,607	PH2	500	8.000
T9850512Z	M5 x 12	4,063	PH2	250	6.000
T9850516Z	M5 x 16	4,369	PH2	250	4.000
T9850520Z	M5 x 20	4,699	PH2	250	4.000
T9850525Z	M5 x 25	5,321	PH2	250	4.000
T9850530Z	M5 x 30	5,868	PH2	250	2.000
T9850535Z	M5 x 35	7,028	PH2	250	3.000
T9850540Z	M5 x 40	7,834	PH2	250	3.000
T9850545Z	M5 x 45	8,051	PH2	250	2.000
T9850550Z	M5 x 50	10,302	PH2	250	2.000
T9850608Z	M6 x 8	5,603	PH3	250	6.000
T9850610Z	M6 x 10	5,603	PH3	250	4.000
T9850612Z	M6 x 12	5,974	PH3	250	4.000
T9850616Z	M6 x 16	6,117	PH3	250	4.000
T9850620Z	M6 x 20	7,211	PH3	250	3.000
T9850625Z	M6 x 25	7,976	PH3	250	3.000
T9850630Z	M6 x 30	8,603	PH3	250	3.000
T9850640Z	M6 x 40	10,815	PH3	250	1.500



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZT9850416Z	M4 x 16	1,803	6	20
BZT9850420Z	M4 x 20	1,803	6	20
BZT9850430Z	M4 x 40	1,803	6	20
BZT9850510Z	M5 x 10	1,803	6	20
BZT9850520Z	M5 x 20	1,803	6	20
BZT9850525Z	M5 x 25	1,803	6	20
BZT9850530Z	M5 x 30	1,803	6	20
BZT9850540Z	M5 x 40	1,803	6	20
BZT9850610Z	M6 x 10	1,803	6	20
BZT9850616Z	M6 x 16	1,803	6	20
BZT9850620Z	M6 x 20	1,803	6	20
BZT9850625Z	M6 x 25	1,803	6	20
BZT9850630Z	M6 x 30	1,803	6	20
BZT9850640Z	M6 x 40	1,803	6	15



Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VT9850306Z	M3 x 6	2,823	150	8
VT9850310Z	M3 x 10	2,997	150	8
VT9850406Z	M4 x 6	2,893	100	8
VT9850408Z	M4 x 8	2,893	100	8
VT9850410Z	M4 x 10	3,137	100	8
VT9850416Z	M4 x 16	3,517	100	8
VT9850412Z	M4 x 12	3,227	100	8
VT9850420Z	M4 x 20	3,717	100	8
VT9850506Z	M5 x 6	3,888	100	8
VT9850510Z	M5 x 10	3,911	100	8
VT9850512Z	M5 x 12	3,955	70	8
VT9850516Z	M5 x 16	4,050	70	8
VT9850520Z	M5 x 20	4,353	70	8
VT9850610Z	M6 x 10	5,193	70	8
VT9850612Z	M6 x 12	5,537	70	8
VT9850616Z	M6 x 16	5,667	70	8
VT9850620Z	M6 x 20	5,700	50	8

PLUGS, TIPS AND ACCESSORIES





PU

Bits: Ph, Pz, Tx and square socket recess

PU-PH

Ph



METAL

CODE		€/100	LENGTH		
PUPHC01	PH1	44,890	25	25	1.125
PUPHC02	PH2	79,332	25	25	1.125
PUPHC03	PH3	79,332	25	25	1.125
PUPHL01	PH1	127,264	50	25	1.125
PUPHL02	PH2	127,264	50	25	1.125
PUPHL03	PH3	127,264	50	25	1.125



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZPUPHCL01	Nº1 / 50	3,136	4	20
BZPUPHCL02	Nº2 / 50	3,136	4	20
BZPUPHCL03	Nº3 / 50	3,136	4	20

PU-PO

Pz



METAL

CODE		€/100	LENGTH		
PUPOC01	PZ1	79,332	25	25	1.125
PUPOC02	PZ2	79,332	25	25	1.125
PUPOC03	PZ3	79,332	25	25	1.125
PUPOL01	PZ1	127,264	50	25	1.125
PUPOL02	PZ2	127,264	50	25	1.125
PUPOL03	PZ3	127,264	50	25	1.125



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZPUPOCL01	Nº1 / 50	3,136	4	20
BZPUPOCL02	Nº2 / 50	3,136	4	20
BZPUPOCL03	Nº3 / 50	3,136	4	20

PU-TX

Tx



METAL

CODE		€/100	LENGTH		
PUTO010	TX10	89,381	25	25	1.125
PUTO015	TX15	89,381	25	25	1.125
PUTO020	TX20	89,381	25	25	1.125
PUTO025	TX25	89,381	25	25	1.125
PUTO030	TX30	89,381	25	25	1.125
PUTO040	TX40	89,381	25	25	1.125



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZPUTOT01	TX10 + TX20	3,136	2	20
BZPUTOT02	TX30 + TX40	3,136	2	20

PU-CU

Square



METAL

CODE		€/100	LENGTH		
PUCUC01	PC1	79,332	25	25	1.125
PUCUC02	PC2	79,332	25	25	1.125
PUCUC03	PC3	79,332	25	25	1.125
PUCUL01	PC1	127,264	50	25	1.125
PUCUL02	PC2	127,264	50	25	1.125
PUCUL03	PC3	127,264	50	25	1.125



Magnetic hexagonal nut setter

BOCA

METAL

CODE	SIZE	€/100	MIN. ANCHOR DEPTH	INSTALLATION KEY	LENGTH		
BOCA006	6 mm.	585,743	2.35	1/4"	65	5	225
BOCA007	7 mm.	585,743	3.1	1/4"	65	5	225
BOCA008	8 mm.	585,743	3.75	1/4"	65	5	225
BOCA010	10 mm.	585,743	4.84	1/4"	65	5	225



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS 
BZBOCA008	8 mm.	4,229	1	20
BZBOCA010	10 mm.	4,229	1	20



1/4" magnetic bit holder

PU-PM

METAL

CODE	SIZE	€/100	INSTALLATION KEY	LENGTH		
PUPM014	1/4" x 60	582,967	1/4"	65	5	225



Nylon cover cap in colours, for hexagonal-head screws

ATAP

METAL

Ny
NYLONRAL
1000

CODE		COLOR	€/100		
ATAPO08AR	8	 RAL 1.001	6,916	1.000	2.000
ATAPO08RC	8	 RAL 3.003	6,916	1.000	2.000
ATAPO08RT	8	 RAL 3.011	6,916	1.000	2.000
ATAPO08VN	8	 RAL 6.028	6,916	1.000	2.000
ATAPO08BP	8	 RAL 9.010	6,916	1.000	2.000
ATAPO08NE	8	 RAL 9.005	6,916	1.000	2.000
ATAPO08BO	8	 RAL 9.002	6,916	1.000	2.000
ATAPO10AR	10	 RAL 1.001	6,916	1.000	2.000
ATAPO10RC	10	 RAL 3.003	6,916	1.000	2.000
ATAPO10RT	10	 RAL 3.011	6,916	1.000	2.000
ATAPO10VN	10	 RAL 6.028	6,916	1.000	2.000
ATAPO10BP	10	 RAL 9.010	6,916	1.000	2.000
ATAPO10NE	10	 RAL 9.005	6,916	1.000	2.000
ATAPO10BO	10	 RAL 9.002	6,916	1.000	2.000





TP-CR

PVC caps for DIN-7504-N and DIN-7981 screws

TP-CR B

White



METAL



CODE	SIZE	€/100		
TPCR042BL	Ø 4,2	3,610	1.000	12.000
TPCR048BL	Ø 4,8	3,610	1.000	12.000
TPCR055BL	Ø 5,5	3,610	1.000	6.000

TP-CR N

Black



METAL



CODE	SIZE	€/100		
TPCR042NE	Ø 4,2	3,610	1.000	12.000
TPCR048NE	Ø 4,8	3,610	1.000	12.000
TPCR055NE	Ø 5,5	3,610	1.000	6.000

TP-TP

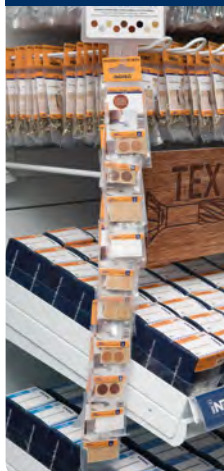
Plastic caps and self-adhesive PVC screw covers.

MADERA



CODE	COLOR	DIAMETER	€/100		
TPTPADBE	BEIGE	14	3,567	1.000	24.000
TPTPADBL	WHITE	14	3,567	1.000	24.000
TPTPADCA	MAHOGANYA	14	3,567	1.000	24.000
TPTPADCE	CHERRY	14	3,567	1.000	24.000
TPTPADGR	GREY	14	3,567	1.000	24.000
TPTPADHA	BEECH	14	3,567	1.000	24.000
TPTPADNE	BLACK	14	3,567	1.000	24.000
TPTPADNO	WALNUT	14	3,567	1.000	24.000
TPTPADPI	PINE	14	3,567	1.000	24.000
TPTPADRO	OAK	14	3,567	1.000	24.000
TPTPADSA	SAPELY	14	3,567	1.000	24.000

Strips Cross-selling



Sales hook products for specific places.
Cross-sales allow for an increase in sales of related or complementary products, placing them together at the point of sale.

Coloured plugs are a good example of this type of sales. It is a complementary product for all wood screw types.

ADVANTAGES:

- Encourages self-service on the sales floor.
- Increases impulse buys and maximizes cross-selling of products.
- Creates value for the end customer.

How to achieve it? Together with your order for plugs in blister pack format, ask your INDEX sales representative for a Cross-sale strip.
(Code: TIRAEASY).



Blister

CODE	COLOR	€/BAG	PCS. 	BAGS
BZTPTPADBE	BEIGE	1,803	20	25
BZTPTPADBL	WHITE	1,803	20	25
BZTPTPADCA	MAHOGANYA	1,803	20	25
BZTPTPADCE	CHERRY	1,803	20	25
BZTPTPADGR	GREY	1,803	20	25
BZTPTPADHA	BEECH	1,803	20	25
BZTPTPADNE	BLACK	1,803	20	25
BZTPTPADNO	WALNUT	1,803	20	25
BZTPTPADPI	PINE	1,803	20	25
BZTPTPADRO	OAK	1,803	20	25
BZTPTPADSA	SAPELY	1,803	20	25

PAINTED SCREW (FULL)



DIAMETER	LENGTH	MINIMUM QUANTITY
Min. 2,9 mm - Max. 5,5 mm	Min. 6,5 mm - Max. 32 mm	15 Kgs (*) (*) Per size and colour

Available colours

	RAL 3005	Burgundy red		RAL 9005	Black
	RAL 5009	Blue		RAL 9010	White
	RAL 6005	Moss green			



ASK FOR PRICE AND DELIVERY TIME

PAINTED SCREW (HEAD ONLY)



DIAMETER	LENGTH	MINIMUM QUANTITY
Min. 3,9 mm - Max. 6,3 mm	Min. 13 mm - Max. 90 mm	(*) (*) Ask for minimum quantity

Available colours

	RAL 1000	Bidrasoa cream		RAL 7016	Anthracite grey
	RAL 1001	Sand		RAL 7022	Umbrage grey
	RAL 1007	Copper		RAL 7024	Graphite grey
	RAL 1011	Brown beige		RAL 7032	Pebble grey
	RAL 1015	Ivory		RAL 7033	Cement grey
	RAL 3002	Carmine red		RAL 7034	Yellow grey
	RAL 3003	Coral red		RAL 7035	Grey
	RAL 3004	Purple red		RAL 8003	Clay brown
	RAL 3005	Burgundy red		RAL 8004	Copper brown
	RAL 3009	Oxide red		RAL 8012	Red brown
	RAL 3011	Tile red		RAL 8014	Sepia brown
	RAL 3020	Traffic red		RAL 8017	Chocolate brown
	RAL 5002	Ultramarine blue		RAL 8019	Grey brown
	RAL 5003	Sapphire blue		RAL 8025	Pale brown
	RAL 5005	Signal blue		RAL 9002	Blue Pyrenean white
	RAL 5008	Grey blue		RAL 9003	Signal white
	RAL 5009	Blue		RAL 9005	Black
	RAL 5010	Gentian blue		RAL 9006	Metallic grey
	RAL 5011	Steel blue		RAL 9007	Grey aluminium
	RAL 5019	Lagoon blue		RAL 9010	White
	RAL 6005	Moss green		RAL 9011	Graphite black
	RAL 6021	Light green		RAL 9016	Traffic white
	RAL 6028	Navarre green		RAL 9018	Oyster white
	RAL 7011	Iron grey			

We offer a wide range of screws, which can be painted on demand in any of the colours available.

122 DIN-7504-K



124 DIN-7504-K RE



130 DIN-7504-N HP



139 DIN-7982 HP



125 AUE

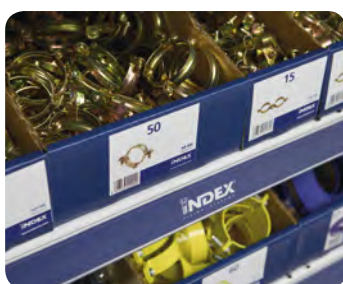


137 DIN-7981 HP





**BULK
SALES SYSTEM.**
PERSONALIZED
IMPLEMENTATION
TO GUARANTEE
PROFITABILITY.



HEAVY METAL CLAMPS





	AB-RI	AB-RE	AB-RA	AB-IA	AB-IR	AB-GA
						
	P. 194	P. 195	P. 196	P. 196	P. 197	P. 197
SIZES (mm)	Ø 18 - Ø 1250	Ø 18 - Ø 1250	Ø 15 - Ø 125	Ø 15 - Ø 125	Ø 15 - Ø 60	Ø 18 - Ø 160
RECOMMENDED LOAD kg	150 - 200	150 - 200	80	80	60	150 - 200
COATING						
THICKNESS (mm)	1,8 - 2,3	1,8 - 2,3	1,5	1,5	1,25	2
WIDTH (mm)	19	19	20	20	19	19
OPENING	Screw	Screw	Fast lateral	Fast lateral	Fast vertical	Screw
COUPLING NUT	M8 / M10	M8 / M10	M8	M8	M8	M8 ≤ Ø54 M8 / M10 > Ø54
ASSESSMENT	-	-	-	-	-	According to EN ISO 4892
APPLICATIONS	HSW and CW Gas Sanitation Heating Air Conditioning Electric Ventilation	Sanitation Electric Ventilation	Sanitation Electric	HSW and CW Gas Sanitation Heating Air Conditioning Electric Ventilation	HSW and CW Gas Sanitation Heating Air Conditioning Electric Ventilation	Gas
ISOPHONIC		-	-			-
		-	-			-



AB-PE	AB-CH	AB-M8	AB-DE Z AB-DE G	AB-DP Z AB-DP G	AB-ZI	AB-SA	AB-GP
							
P. 198	P. 198	P. 201	P. 199	P. 199	P. 200	P. 200	P. 201
Ø 28 - Ø 220	Ø 28 - Ø 405	Ø 50 - Ø 315	Ø 75 - Ø 315	Ø 75 - Ø 250	Ø 16 - Ø 230	-	Ø 25 - Ø 235
154 - 1723 According to 	154 - 3582 According to 	100	200	200	250 - 350	-	-
			  AB-DE Z AB-DE G	  AB-DP Z AB-DP G			
1 - 2,5	2,5 - 6	1	2,5	2,5	M6 - M8 - M10	5 - 6	0,6 - 1,8
22 - 40	22,5 - 64	28	20	20	-	-	18 - 25
Nut	Axis	Screw	Screw	Screw	-	-	Screw
M10 ≤ Ø115 M12 > Ø115	Hole	M8	-	-	-	-	-
	 	-	-	-	-	-	-
Firefighting	Seismic application	Sanitation Drainpipe	Sanitation Drainpipe	Sanitation Drainpipe	Gas Sanitation	Gas Sanitation	Sanitation Industrial
-		-	-	-	-	-	-
-		-	-	-	-	-	-



AB-RI

Reinforced isophonic pipe clamp M8 + M10

SANITATION

02 Technical
P. 332CTE
CÓDIGO TÉCNICO
DE LA EDIFICACIÓN

M8 + M10



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABRI018	18	104,181	3/8"	15 - 19	50	200
ABRI022	22	110,898	1/2"	20 - 25	50	150
ABRI028	28	119,496	3/4"	26 - 30	50	150
ABRI035	35	126,371	1"	32 - 36	50	100
ABRI040	40	143,568	1 1/4"	38 - 43	25	75
ABRI048	48	154,751	1 1/2"	47 - 51	25	75
ABRI054	54	163,350	-	53 - 56	25	50
ABRI060	60	180,540	2"	60 - 64	25	50
ABRI070	70	186,986	-	68 - 72	25	-
ABRI075	75	208,005	2 1/2"	75 - 80	25	-
ABRI083	83	210,627	-	81 - 86	25	-
ABRI090	90	231,778	3"	87 - 92	25	-
ABRI100	100	240,720	3 1/2"	99 - 105	25	-
ABRI110	110	279,405	-	107 - 112	25	-
ABRI115	115	296,596	4"	113 - 118	25	-
ABRI125	125	324,544	4 1/2"	125 - 130	25	-
ABRI133	133	328,848	-	132 - 137	25	-
ABRI140	140	369,682	5"	138 - 142	25	-
ABRI150	150	377,845	-	148 - 152	25	-
ABRI160	160	408,360	6"	159 - 166	25	-
ABRI180	180	419,145	8"	179 - 184	25	-
ABRI200	200	464,246	-	199 - 212	25	-
ABRI220	220	533,025	-	215 - 226	25	-
ABRI250	250	587,487	-	245 - 254	25	-
ABRI300	300	668,543	-	299 - 304	25	-
ABRI315	315	716,244	-	314 - 319	25	-
ABRI355	355	1.046,917	-	354 - 359	25	-
ABRI400	400	1.136,308	-	399 - 404	25	-
ABRI450	NEW 450	1.368,400	-	449 - 454	10	-
ABRI500	500	1.404,332	-	499 - 504	10	-
ABRI560	560	1.558,591	-	555 - 561	10	-
ABRI600	600	1.719,033	-	599 - 604	10	-
ABRI630	630	1.866,515	-	625 - 631	10	-
ABRI710	710	2.101,116	-	705 - 711	10	-
ABRI800	800	2.350,273	-	799 - 804	10	-
ABRI900	900	2.667,892	-	899 - 904	10	-
ABRI910	1000	3.041,168	-	999 - 1.004	10	-
ABRI911	1120	3.359,732	-	1.115 - 1.121	10	-
ABRI912	1250	3.677,347	-	1.245 - 1.251	10	-



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABRIT022	22	4,661	2	5
LSABRIT028	28	4,794	2	5
LSABRIT035	35	4,954	2	5
LSABRIT040	40	4,954	2	5
LSABRIT048	48	5,137	2	5
LSABRIT060	60	5,494	2	5
LSABRIT075	75	5,923	2	5
LSABRIT090	90	6,807	2	5
LSABRIT110	110	7,973	2	4

KIT

AB-RI + ES-DR
+ T4S

APPLICATION EXAMPLES





Reinforced pipe clamp, M8 + M10

AB-RE

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABRE018	18	89,030	3/8"	15 - 19	50	300
ABRE022	22	91,701	1/2"	20 - 25	50	200
ABRE028	28	102,331	3/4"	26 - 30	50	150
ABRE035	35	110,395	1"	32 - 36	50	100
ABRE040	40	115,295	1 1/4"	38 - 43	25	100
ABRE048	48	121,437	1 1/2"	47 - 51	25	100
ABRE054	54	129,540	-	53 - 56	25	75
ABRE060	60	138,439	2"	60 - 64	25	75
ABRE070	70	144,712	-	68 - 72	25	50
ABRE075	75	151,568	2 1/2"	75 - 80	25	50
ABRE083	83	154,912	-	81 - 86	25	-
ABRE090	90	166,702	3"	87 - 92	25	-
ABRE100	100	173,380	3 1/2"	99 - 105	25	-
ABRE110	110	184,291	-	107 - 112	25	-
ABRE115	115	209,663	4"	113 - 118	25	-
ABRE125	125	221,900	4 1/2"	125 - 130	25	-
ABRE133	133	243,049	-	132 - 137	25	-
ABRE140	140	267,089	5"	138 - 142	25	-
ABRE150	150	271,539	-	148 - 152	25	-
ABRE160	160	284,895	6"	159 - 166	25	-
ABRE180	180	296,609	8"	179 - 184	25	-
ABRE200	200	332,079	-	199 - 212	25	-
ABRE220	220	367,731	-	215 - 226	25	-
ABRE250	250	415,389	-	245 - 254	25	-
ABRE300	300	533,741	-	299 - 304	25	-
ABRE315	315	588,817	-	314 - 319	25	-
ABRE355	355	760,642	-	354 - 359	25	-
ABRE400	400	898,729	-	399 - 404	25	-
ABRE450	NEW 450	1.128,833	-	449 - 454	10	-
ABRE500	500	1.058,045	-	499 - 504	10	-
ABRE560	560	1.265,617	-	555 - 561	10	-
ABRE600	600	1.346,994	-	599 - 604	10	-
ABRE630	630	1.441,140	-	625 - 631	10	-
ABRE710	710	1.624,663	-	705 - 711	10	-
ABRE800	800	1.797,468	-	799 - 804	10	-
ABRE900	900	1.992,647	-	899 - 904	10	-
ABRE910	1000	2.211,344	-	999 - 1.004	10	-
ABRE911	1120	2.444,212	-	1.115 - 1.121	10	-
ABRE912	1250	2.684,402	-	1.245 - 1.251	10	-

 02
 Technical
 info
 P. 333

REINFORCED

M8 + M10



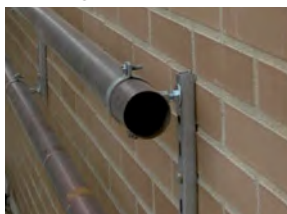
Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABRET022	22	4,267	2	5
LSABRET028	28	4,372	2	5
LSABRET035	35	4,471	2	5
LSABRET040	40	4,590	2	5
LSABRET048	48	4,495	2	5
LSABRET060	60	4,709	2	5
LSABRET075	75	4,944	2	5
LSABRET090	90	6,062	2	5
LSABRET110	110	6,290	2	5
LSABRET125	125	7,273	2	4

KIT

AB-RE + ES-DR
+ T4S

APPLICATION EXAMPLES

SPECIAL FOR VENTILATION
SYSTEMSØ
300-1250
mm



AB-RA

Reinforced pipe clamp M8 opened

02
P. 334
Technical
info

LATERAL OPENING



INSTALLATION

EXPRESS

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABRA015	15	64,536	1/4"	12-16	50	300
ABRA018	18	66,099	3/8"	15 - 19	50	300
ABRA022	22	71,036	1/2"	20 - 25	50	200
ABRA028	28	73,999	3/4"	26 - 30	50	150
ABRA035	35	78,750	1"	32 - 36	50	100
ABRA042	42	82,908	1 1/4"	38 - 43	50	100
ABRA048	48	89,919	1 1/2"	47 - 51	50	100
ABRA054	54	94,492	-	53 - 58	25	75
ABRA060	60	98,928	2"	60 - 64	25	75
ABRA075	75	112,030	2 1/2"	75 - 80	25	50
ABRA090	90	119,157	3"	87 - 92	25	50
ABRA100	100	133,821	3 1/2"	99 - 105	25	50
ABRA110	110	132,441	-	107 - 112	25	50
ABRA115	115	154,720	4"	113 - 118	25	50
ABRA125	125	152,213	4 1/2"	125 - 130	25	50

APPLICATION EXAMPLES



AB-IA

Open isophonic pipe clamp M8

02
P. 334
Technical
info

LATERAL OPENING



INSTALLATION

EXPRESS**CTE**CÓDIGO TÉCNICO
DE LA EDIFICACIÓN

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABIA015	15	71,283	1/4"	12-16	50	200
ABIA018	18	76,210	3/8"	15 - 19	50	200
ABIA022	22	80,889	1/2"	20 - 25	50	150
ABIA028	28	84,426	3/4"	26 - 30	50	100
ABIA035	35	90,249	1"	32 - 36	50	100
ABIA042	42	100,343	1 1/4"	38 - 43	50	-
ABIA048	48	114,354	1 1/2"	47 - 51	50	-
ABIA054	54	119,404	-	53 - 58	25	50
ABIA060	60	129,433	2"	60 - 64	25	-
ABIA075	75	144,784	2 1/2"	75 - 80	25	50
ABIA090	90	160,855	3"	87 - 92	25	50
ABIA100	100	176,291	3 1/2"	99 - 105	25	50
ABIA110	110	183,642	-	107 - 112	25	-
ABIA115	115	212,256	4"	113 - 118	25	-
ABIA125	125	227,129	4 1/2"	125 - 130	25	-

APPLICATION EXAMPLES





Isohonic pipe clamp M8 fast-clip

AB-IR

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABIR015	15	68,609	1/4"	14 - 15	50	300
ABIR018	18	71,893	3/8"	16 - 19	50	300
ABIR022	22	77,323	1/2"	21 - 23	50	200
ABIR028	28	82,814	3/4"	26 - 28	50	150
ABIR035	35	92,592	1"	32 - 35	50	100
ABIR040	40	102,374	1 1/4"	40 - 43	25	100
ABIR048	48	112,224	1 1/2"	48 - 51	25	100
ABIR054	54	118,235	-	52 - 56	25	75
ABIR060	60	124,148	2"	57 - 60	25	75



02
Technical
info
p. 335

LATERAL OPENING

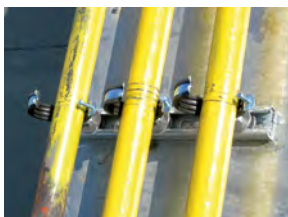


INSTALLATION

EXPRESS

CTE
CÓDIGO TÉCNICO
DE LA EDIFICACIÓN

APPLICATION EXAMPLES



Yellow coated pipe clamp for gas M8 + M10

AB-GA

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABGA018	18	87,341	3/8"	15 - 18	50	300
ABGA022	22	91,134	1/2"	20 - 24	50	200
ABGA028	28	94,509	3/4"	26 - 30	50	150
ABGA035	35	100,830	1"	32 - 36	50	100
ABGA040	40	108,188	1 1/4"	38 - 42	50	100
ABGA048	48	113,657	1 1/2"	47 - 50	50	100
ABGA054	54	116,369	-	52 - 56	25	75
ABGA060	60	126,336	2"	60 - 64	25	75
ABGA075	75	151,719	2 1/2"	75 - 80	25	50
ABGA090	90	163,537	3"	85 - 90	25	-
ABGA100	100	179,701	3 1/2"	99 - 105	25	-
ABGA110	110	211,991	-	107 - 112	25	-
ABGA115	115	212,654	4"	113 - 118	25	-
ABGA140	140	242,084	5"	138 - 142	25	-
ABGA160	160	260,648	6"	159 - 166	25	-



02
Technical
info
p. 335

REINFORCED

M8
Ø 18-54 mm.
M8/M10
Ø 60-160 mm.



According to
EN ISO 4892



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABGAT022	22	4,515	2	6
LSABGAT028	28	4,614	2	6
LSABGAT035	35	4,536	2	6
LSABGAT040	40	4,882	2	6
LSABGAT048	48	4,794	2	6
LSABGAT060	60	4,930	2	6
LSABGAT075	75	5,494	2	6
LSABGAT090	90	6,015	2	6
LSABGAT110	110	7,532	2	5

KIT

AB-GA + ES-DR
+ T4S



APPLICATION EXAMPLES





AB-PE

Sprinkler pipe clamp

02
P.336
Technical
info

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES		
ABPE028	28	74,569	3/4"	50	200
ABPE035	35	78,211	1"	50	200
ABPE040	40	91,550	1 1/4"	50	200
ABPE048	48	92,055	1 1/2"	50	200
ABPE060	60	104,277	2"	50	200
ABPE075	75	118,227	2 1/2"	25	100
ABPE090	90	135,806	3"	25	100
ABPE100	100	167,361	3 1/2"	25	100
ABPE115	115	233,408	4"	25	100
ABPE140	140	409,233	5"	10	40
ABPE160	160	504,412	6"	10	40
ABPE220	220	882,727	8"	10	30

APPLICATION EXAMPLES



New

AB-CH

Clevis hanger clamp

02
P.336
Technical
info

SANITATION



CODE		SIZE	€/100	ØD(MM)	
ABCH00034	UL	3/4"	241,583	28	50
ABCH01000	UL	1"	254,967	35	50
ABCH01014	UL	1-1/4"	256,558	42	50
ABCH01012	UL	1-1/2"	277,008	48	50
ABCH02000	UL	2"	278,092	60	50
ABCH02012	UL & FM	2-1/2"	506,625	75	30
ABCH03000	UL & FM	3"	522,675	90	25
ABCH04000	UL & FM	4"	959,525	115	25
ABCH05000	UL & FM	5"	1.331,192	140	25
ABCH06000	UL & FM	6"	1.884,050	160	10
ABCH08000	UL	8"	2.824,208	220	10
ABCH10000	UL	10"	4.816,883	275	1
ABCH12000	UL	12"	6.393,983	325	1
ABCH14000	-	14"	8.257,825	355	1
ABCH16000	-	16"	11.860,700	405	1



Recessed drainpipe clamp

AB-DE

SANITATION



CODE	SIZE	€/100	ØD(MM)	
ABDE075	75	165,857	75 - 80	100
ABDE090	90	183,155	87 - 92	100
ABDE110	110	221,313	107 - 112	100
ABDE125	125	249,298	125 - 130	50

AB-DE Z

Zinc-plated



02
P. 337

Technical
info

SANITATION



CODE	SIZE	€/100	ØD(MM)	
ABDE160	160	289,997	159 - 166	50
ABDE200	200	348,504	199 - 212	50
ABDE250	250	559,644	245 - 254	25
ABDE315	315	702,100	314 - 319	25

AB-DE G

Galvanized



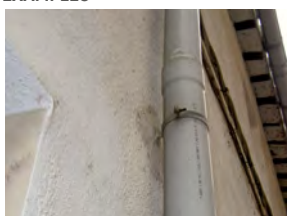
02
P. 337

Technical
info

REINFORCED



APPLICATION EXAMPLES



Drainpipe clamp with hole

AB-DP

SANITATION



CODE	SIZE	€/100	ØD(MM)	
ABDP075	75	193,334	75 - 80	100
ABDP090	90	211,140	87 - 92	100
ABDP110	110	230,978	107 - 112	100
ABDP125	125	259,471	125 - 130	50

AB-DP Z

Zinc-plated



02
P. 338

Technical
info

SANITATION



CODE	SIZE	€/100	ØD(MM)	
ABDP160	160	310,346	159 - 166	50
ABDP200	200	366,309	199 - 212	25
ABDP250	250	508,769	245 - 254	25

AB-DP G

Galvanized



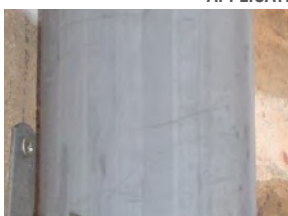
02
P. 338

Technical
info

REINFORCED



APPLICATION EXAMPLES





AB-ZI

U-bolt



SANITATION



CODE	SIZE	€/100	Ø ROD INCHES		
AZIM060250	M6	24,541	1/4"	100	800
AZIM060375	M6	25,395	3/8"	100	1.200
AZIM060500	M6	29,148	1/2"	100	600
AZIM060750	M6	34,493	3/4"	100	600
AZIM061000	M6	37,046	1"	100	400
AZIM061250	M6	49,552	1 1/4"	50	300
AZIM081500	M8	76,925	1 1/2"	50	150
AZIM082000	M8	87,686	2"	50	150
AZIM082250	M8	102,119	2 1/4"	50	100
AZIM082500	M8	107,607	2 1/2"	50	100
AZIM083000	M8	115,386	3"	50	100
AZIM083500	M8	144,684	3 1/2"	50	100
AZIM084000	M8	169,643	4"	50	100
AZIM084500	M8	179,421	4 1/2"	25	100
AZIM085000	M8	185,701	5"	25	100
AZIM086000	M8	215,431	6"	25	100
AZIM103000	M10	182,492	3"	25	50
AZIM103500	M10	213,010	3 1/2"	25	50
AZIM104000	M10	232,502	4"	25	100
AZIM105000	M10	261,593	5"	25	100
AZIM106000	M10	319,784	6"	25	100
AZIM108000	M10	389,416	8"	25	100

AB-SA

U-bolt support

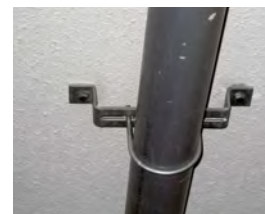
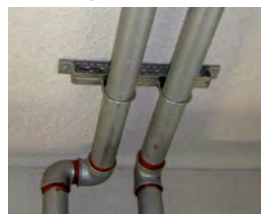
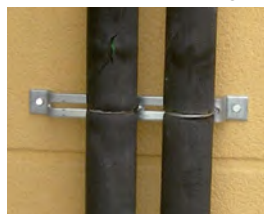
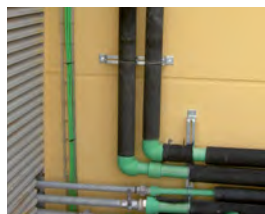


SANITATION



CODE	SIZE	€/100	LENGTH	
ABSA050100	50 x 100	367,870	100	50
ABSA050125	50 x 125	398,687	125	50
ABSA050200	50 x 200	487,383	200	25
ABSA050300	50 x 300	607,073	300	25
ABSA050400	50 x 400	741,679	400	25
ABSA050500	100 x 100	1.051,984	500	10
ABSA050600	100 x 125	1.189,391	600	10
ABSA100100	100 x 100	503,356	100	25
ABSA100125	100 x 125	524,260	125	25
ABSA100200	100 x 200	619,667	200	25
ABSA100300	100 x 300	809,448	300	10
ABSA100400	100 x 400	1.082,693	400	10
ABSA100500	100 x 500	1.415,226	500	10

APPLICATION EXAMPLES





High presion clamp

AB-GP

SANITATION



CODE	SIZE	€/100	ØD(MM)		
AGP023025	23-25	137,953	23 - 25	50	300
AGP026028	26-28	144,878	26 - 28	50	300
AGP029031	29-31	177,659	29 - 31	50	200
AGP032035	32-35	182,514	32 - 35	50	150
AGP036039	36-39	183,729	36 - 39	50	150
AGP040043	40-43	194,654	40 - 43	50	100
AGP044047	44-47	263,250	44 - 47	50	-
AGP048051	48-51	274,784	48 - 51	25	75
AGP052055	52-55	280,854	52 - 55	25	75
AGP056059	56-59	287,530	56 - 59	25	75
AGP060063	60-63	299,674	60 - 63	25	50
AGP064067	64-67	311,969	64 - 67	25	50
AGP068073	68-73	392,143	68 - 73	25	-
AGP074079	74-79	396,997	74 - 79	25	-
AGP080085	80-85	401,125	80 - 85	25	-
AGP086091	86-91	408,734	86 - 91	25	-
AGP092097	92-97	428,567	92 - 97	25	-
AGP098103	98-103	433,014	98 - 103	25	-
AGP104112	104-112	470,246	104 - 112	25	-
AGP113121	113-121	502,216	113 - 121	25	-
AGP122130	122-130	539,044	122 - 130	25	-
AGP131139	131-139	672,589	131 - 139	25	-
AGP140148	140-148	687,157	140 - 148	25	-
AGP149161	149-161	728,035	149 - 161	25	-
AGP162174	162-174	760,001	162 - 174	25	-



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZAGP023025	23-25	4,229	2	10
BZAGP029031	29-31	4,229	2	10
BZAGP040043	40-43	4,229	2	10

02
P. 339Technical
info

Rounded edges

QUALITY
8.8

APPLICATION EXAMPLES



Drainpipe clamp M8

AB-M8

SANITATION



CODE	SIZE	€/100	ØD(MM)	
ABM8050	50	114,662	49 - 54	100
ABM8063	63	112,615	60 - 65	100
ABM8075	75	121,200	75 - 80	100
ABM8090	90	129,615	88 - 92	100
ABM8110	110	143,330	108 - 113	100
ABM8125	125	150,341	124 - 130	100
ABM8160	160	186,425	159 - 165	100
ABM8200	200	221,340	199 - 203	100
ABM8250	250	282,883	249 - 254	50
ABM8315	315	645,660	314 - 319	50



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABM8090	90	3,373	2	6
LSABM8110	110	3,516	2	6
LSABM8125	125	2,403	1	8
LSABM8160	160	3,093	1	4

02
P. 336Technical
info

DRAINPIPE





BLISTER

Over **600** references in the range
144 references per shelf meter

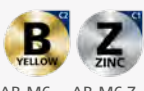
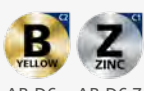


Easy restocking. All blister packs are supplied tied together with a cable tie for easy placement.

LIGHT METAL CLAMPS





	AB-M6 AB-M6 Z	AB-M7 Z	AB-D6 AB-D6 Z	AB-DZ 7	AB-6I	AB-DI	AB-7I Z	AB-7ID Z
								
	P. 206	P. 210	P. 207	P. 210	P. 208	P. 208	P. 211	P. 211
SIZES (mm)	Ø 8 - Ø 63	Ø 8 - Ø 63	Ø 12 - Ø 28	Ø 10 - Ø 28	Ø 12 - Ø 60	Ø 12 - Ø 28	Ø 12 - Ø 50	Ø 10 - Ø 28
RECOMMENDED LOAD kg	70 - 100	70	100	70	70 - 100	100	70	70
COATING	 AB-M6 AB-M6 Z		 AB-D6 AB-D6 Z					
THICKNESS (mm)	1 - 1,2	0,8 - 1	1	0,8 - 1	1 - 1,2	1	0,8 - 1	0,8 - 1
WIDTH (mm)	12	11	12	11	12	12	11	11
OPENING	Fast lateral	-	-	-	Fast lateral	-	-	-
COUPLING NUT	Embed M6	Embed M7	Embed M6	Embed M7	Embed M6	Embed M6	Embed M7	Embed M7
ASSESSMENT	-	-	-	-	-	-	-	-
APPLICATIONS	Gas Sanitation Electric	Gas Sanitation Electric	Gas Sanitation Electric	Gas Sanitation Electric	HSW and CW Gas Sanitation Heating Air Conditioning Electric Ventilation	HSW and CW Gas Sanitation Heating Air Conditioning Electric Ventilation	HSW and CW Gas Sanitation Heating Air Conditioning Electric Ventilation	HSW and CW Gas Sanitation Heating Air Conditioning Electric Ventilation
ISOPHONIC	-	-	-	-	✓	✓	✓	✓
	-	-	-	-	✓	✓	✓	✓
PARALLEL ASSEMBLING	-	-	✓	✓	-	✓	-	✓
SCREW	-	-	-	-	-	-	-	-



AB-PI	AB-PU	AB-GM	AB-GS	AB-GD	AB-CR	AB-BU	AB-SF	AB-IP	AB-SI
P. 212	P. 212	P. 209	P. 209	P. 209	P. 208	P. 214	P. 214	P. 213	P. 213
Ø 6 - Ø 63	Ø 16 - Ø 63	Ø 12 - Ø 35	Ø 10 - Ø 54	Ø 12 - Ø 28	Ø 10 - Ø 12	Ø 13 - Ø 21	Ø 8 - Ø 150	-	3 / 25 Holes
30	30	100	70 - 100	100	70	-	-	-	-
1,1 - 1,3	1,2 - 1,4	1 - 1,2	1 - 1,2	1 - 1,2	1 - 1,2	0,6	0,6 - 0,8	1,5	3
12,5 - 19	12 - 20	12	12	12	12	9	9	20	20
-	-	Fast lateral	Fast lateral	-	Fast lateral	-	-	-	-
-	-	Embed M6	Embed M6	Embed M6	Embed M6	-	-	-	-
-	-	According to EN ISO 4892	According to EN ISO 4892	According to EN ISO 4892	-	-	-	-	-
Sanitation Electric	Sanitation Electric	Gas	Gas	Gas	Sanitation	Sanitation Industrial	Sanitation Industrial	HSW and CW Gas Sanitation Heating Air Conditioning Electric Ventilation	HSW and CW Gas Sanitation Heating Air Conditioning Electric Ventilation
-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-		
-	-	-	-		-	-	-	-	
-	-	Pre-assembled	Pre-assembled	Pre-assembled	-	Pre-assembled	Pre-assembled	ABTO06015	ABTO06015



AB-M6 Z

Pipe clamp M6

SANITATION

02
P. 340
Technical
info

LATERAL OPENING

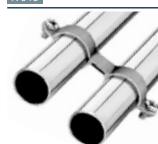


CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABMZ6008	8 (M6)	14,770	-	8	100	1.200
ABMZ6010	10 (M6)	15,289	1/8"	10	100	1.200
ABMZ6012	12 (M6)	15,553	-	12	100	1.200
ABMZ6014	14 (M6)	15,783	1/4"	14	100	1.200
ABMZ6015	15 (M6)	15,786	-	15	100	600
ABMZ6016	16 (M6)	16,075	-	16	100	600
ABMZ6018	18 (M6)	16,628	3/8"	18	100	600
ABMZ6020	20 (M6)	16,878	-	20	100	600
ABMZ6022	22 (M6)	17,640	1/2"	22	100	600
ABMZ6025	25 (M6)	18,530	-	25	100	600
ABMZ6026	26 (M6)	19,876	3/4"	26	100	400
ABMZ6028	28 (M6)	20,356	-	28	100	400
ABMZ6032	32 (M6)	22,100	1"	32	50	300
ABMZ6035	35 (M6)	24,844	-	35	50	300
ABMZ6037	37 (M6)	26,193	-	37	50	300
ABMZ6040	40 (M6)	28,449	-	40	50	300
ABMZ6042	42 (M6)	29,506	1 1/4"	42	50	300
ABMZ6047	47 (M6)	32,088	1 1/2"	47	50	200
ABMZ6050	50 (M6)	34,563	-	50	50	150
ABMZ6054	54 (M6)	41,042	-	54	50	150
ABMZ6060	60 (M6)	43,984	2"	60	50	150
ABMZ6063	63 (M6)	46,446	-	63	50	100

AB-D6 Z

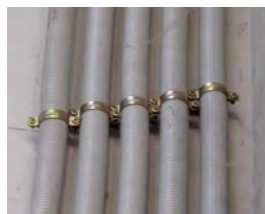
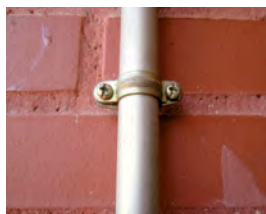
Double pipe clamp M6

SANITATION

02
P. 340
Technical
info

CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABDZ6012	12 (M6)	24,940	-	12	50	600
ABDZ6015	15 (M6)	27,169	-	15	50	300
ABDZ6018	18 (M6)	31,091	3/8"	18	50	300
ABDZ6022	22 (M6)	33,848	1/2"	22	50	300
ABDZ6028	28 (M6)	42,211	-	28	50	200

APPLICATION EXAMPLES





Pipe clamp M6

AB-M6

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABM6008	8 (M6)	14,770	-	8	100	1.200
ABM6010	10 (M6)	15,289	1/8"	10	100	1.200
ABM6012	12 (M6)	15,553	-	12	100	1.200
ABM6014	14 (M6)	15,783	1/4"	14	100	1.200
ABM6015	15 (M6)	15,786	-	15	100	600
ABM6016	16 (M6)	16,075	-	16	100	600
ABM6018	18 (M6)	16,628	3/8"	18	100	600
ABM6020	20 (M6)	16,878	-	20	100	600
ABM6022	22 (M6)	17,640	1/2"	22	100	600
ABM6025	25 (M6)	18,530	-	25	100	600
ABM6026	26 (M6)	19,876	3/4"	26	100	400
ABM6028	28 (M6)	20,356	-	28	100	400
ABM6032	32 (M6)	22,100	1"	32	50	300
ABM6035	35 (M6)	24,844	-	35	50	300
ABM6037	37 (M6)	26,193	-	37	50	300
ABM6040	40 (M6)	28,449	-	40	50	300
ABM6042	42 (M6)	29,506	1 1/4"	42	50	300
ABM6047	47 (M6)	32,088	1 1/2"	47	50	200
ABM6050	50 (M6)	34,563	-	50	50	150
ABM6054	54 (M6)	41,042	-	54	50	150
ABM6060	60 (M6)	43,984	2"	60	50	150
ABM6063	63 (M6)	46,446	-	63	50	100



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
LSABM6012	12	5,290	20	5
LSABM6014	14	5,392	20	5
LSABM6016	16	5,491	20	5
LSABM6018	18	4,583	15	6
LSABM6022	22	3,825	10	6
LSABM6028	28	2,791	6	6
LSABM6032	32	2,479	4	6
LSABM6040	40	2,846	4	5



02
Technical
info
P. 340

LATERAL OPENING



Double pipe clamp M6

AB-D6

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABD6012	12 (M6)	24,940	-	12	50	600
ABD6015	15 (M6)	27,169	-	15	50	300
ABD6018	18 (M6)	31,091	3/8"	18	50	300
ABD6022	22 (M6)	33,848	1/2"	22	50	300
ABD6028	28 (M6)	42,211	-	28	50	200

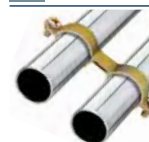


Self-Service

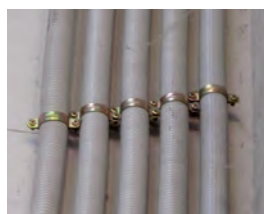
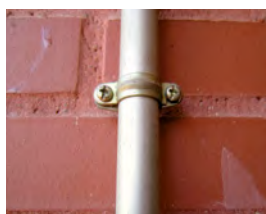
CODE	SIZE	€/BAG	PCS.	BAGS
LSABD6012	12	2,968	5	6
LSABD6015	15	3,063	5	6
LSABD6018	18	3,152	5	6
LSABD6022	22	3,063	4	6
LSABD6028	28	3,767	4	6



02
Technical
info
P. 340



APPLICATION EXAMPLES





AB-6I

Isophonic pipe clamp M6

02
P. 342
Technical
info**CTE**CÓDIGO TÉCNICO
DE LA EDIFICACIÓN

LATERAL OPENING



SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
AB6I012	12 (M6)	23,511	1/8"	12	100	600
AB6I015	15 (M6)	24,166	1/4"	15	100	600
AB6I016	16 (M6)	25,733	-	16	100	600
AB6I018	18 (M6)	25,955	3/8"	18	100	600
AB6I022	22 (M6)	29,536	1/2"	22	100	400
AB6I026	26 (M6)	33,481	-	26	100	400
AB6I028	28 (M6)	34,493	3/4"	28	100	300
AB6I032	32 (M6)	35,769	-	32	50	200
AB6I035	35 (M6)	40,723	1"	35	50	200
AB6I042	42 (M6)	50,346	1 1/4"	42	50	150
AB6I048	48 (M6)	57,557	1 1/2"	48	50	100
AB6I054	54 (M6)	67,981	-	54	50	100
AB6I060	60 (M6)	72,214	2"	60	50	100



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSAB6I012	12	4,349	10	6
LSAB6I015	15	4,573	10	5
LSAB6I016	16	4,600	10	6
LSAB6I018	18	3,723	8	6
LSAB6I022	22	3,397	6	6
LSAB6I028	28	2,975	4	6

AB-DI

Double isophonic pipe clamp M6

02
P. 342
Technical
info**CTE**CÓDIGO TÉCNICO
DE LA EDIFICACIÓN

SANITATION



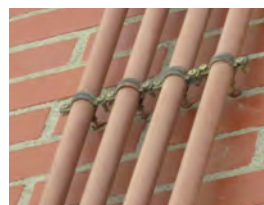
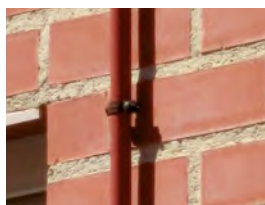
CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABDI0012	12 (M6)	40,595	1/8"	12	50	300
ABDI0015	15 (M6)	51,262	1/4"	15	50	300
ABDI0018	18 (M6)	55,942	3/8"	18	50	200
ABDI0022	22 (M6)	64,438	1/2"	22	50	200
ABDI0028	28 (M6)	84,094	3/4"	28	50	150



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABDI0012	12	3,427	5	6
LSABDI0015	15	3,621	5	6
LSABDI0018	18	2,948	3	6
LSABDI0022	22	3,077	3	6

APPLICATION EXAMPLES





Yellow coated pipe clamp for gas with screw

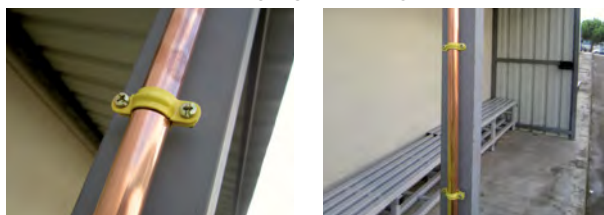
AB-GM

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABGM012	12	27,713	1/4"	12	100	600
ABGM015	15	28,881	-	15	100	600
ABGM018	18	29,671	3/8"	18	100	600
ABGM022	22	31,935	1/2"	22	50	200
ABGM028	28	33,724	3/4"	28	50	200
ABGM035	35	38,749	-	35	50	200

APPLICATION EXAMPLES



02
Technical
info
p. 344

LATERAL OPENING



According to
EN ISO 4892

Black coated pipe clamp for gas M6 with screw

AB-GS

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABGS010	10	26,702	1/8"	10	100	600
ABGS012	12	27,174	1/4"	12	100	600
ABGS015	15	28,319	-	15	100	600
ABGS018	18	29,106	3/8"	18	100	600
ABGS022	22	31,329	1/2"	22	50	200
ABGS028	28	33,072	3/4"	28	50	200
ABGS035	35	38,350	-	35	50	200
ABGS042	42	42,305	1 1/4"	42	25	100
ABGS054	54	57,551	-	54	25	100



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABGS015	15	4,977	10	6
LSABGS018	18	3,997	8	6
LSABGS022	22	3,634	6	6



02
Technical
info
p. 345

LATERAL OPENING



According to
EN ISO 4892

Double black coated pipe clamp for gas M6 with screw

AB-GD

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABGD012	12	37,689	-	12	50	300
ABGD015	15	40,692	-	15	50	300
ABGD018	18	41,811	3/8"	18	50	300
ABGD022	22	45,622	1/2"	22	50	200
ABGD028	28	61,778	-	28	50	200

According to
EN ISO 4892

APPLICATION EXAMPLES



02
Technical
info
p. 345





AB-M7 Z

Pipe clamp M7. Zinc plated



02 Technical
info
P. 341

M7

SANITATION



CODE	SIZE	€/100	ØD(MM)		
ABMZ7008	8 (M7)	14,770	8	100	1.200
ABMZ7010	10 (M7)	15,289	10	100	1.200
ABMZ7012	12 (M7)	15,553	12	100	1.200
ABMZ7014	14 (M7)	15,783	14	100	1.200
ABMZ7016	16 (M7)	16,075	16	100	1.200
ABMZ7018	18 (M7)	16,628	18	100	1.200
ABMZ7020	20 (M7)	16,878	20	100	1.200
ABMZ7022	22 (M7)	17,640	22	100	600
ABMZ7024	24 (M7)	18,180	24	100	600
ABMZ7025	25 (M7)	18,530	25	100	600
ABMZ7026	26 (M7)	19,876	26	100	600
ABMZ7028	28 (M7)	20,356	28	100	600
ABMZ7032	32 (M7)	22,100	32	50	600
ABMZ7034	34 (M7)	24,580	34	50	300
ABMZ7036	36 (M7)	25,538	36	50	300
ABMZ7038	38 (M7)	26,153	38	50	300
ABMZ7040	40 (M7)	28,449	40	50	300
ABMZ7050	50 (M7)	34,563	50	50	200
ABMZ7063	63 (M7)	46,446	63	25	150



AB-D7 Z

Double pipe clamp M7. Zinc plated



02 Technical
info
P. 341

M7

SANITATION



CODE	SIZE	€/100	ØD(MM)		
ABDZ70810	8-10 (M7)	24,900	12	50	600
ABDZ71012	10-12 (M7)	24,940	14	50	600
ABDZ71214	12-14 (M7)	27,169	16	50	600
ABDZ71416	14-16 (M7)	31,091	18	50	600
ABDZ71618	16-18 (M7)	31,960	20	50	600
ABDZ71820	18-20 (M7)	34,890	22	50	300
ABDZ72022	20-22 (M7)	38,957	24	50	300
ABDZ72224	22-24 (M7)	40,167	28	50	300
ABDZ72628	26-28 (M7)	42,211	10	50	300



Isophonic pipe clamp M7. Zinc plated

AB-7I Z

New

SANITATION



CODE	SIZE	€/100	ØD(MM)		
AB7IZ010	10 (M7)	22,843	10	100	1.200
AB7IZ012	12 (M7)	23,511	12	100	1.200
AB7IZ014	14 (M7)	25,048	14	100	1.200
AB7IZ016	16 (M7)	26,287	16	100	1.200
AB7IZ018	18 (M7)	25,955	18	100	600
AB7IZ020	20 (M7)	28,007	20	100	600
AB7IZ022	22 (M7)	29,536	22	100	600
AB7IZ024	24 (M7)	30,490	24	100	600
AB7IZ026	26 (M7)	33,231	26	100	600
AB7IZ028	28 (M7)	34,493	28	100	400
AB7IZ032	32 (M7)	35,769	32	50	300
AB7IZ034	34 (M7)	39,290	34	50	300
AB7IZ036	36 (M7)	39,844	36	50	300
AB7IZ038	38 (M7)	40,947	38	50	300
AB7IZ040	40 (M7)	45,483	40	50	300
AB7IZ050	50 (M7)	47,415	50	50	200


 02
 Technical
 info
 P. 342

M7

Double isophonic pipe clamp M7. Zinc plated

AB-7ID Z

New

SANITATION



CODE	SIZE	€/100	ØD(MM)		
AB7IDZ0810	08-10 (M7)	39,415	10	50	600
AB7IDZ1012	10-12 (M7)	40,595	12	50	600
AB7IDZ1214	12-14 (M7)	44,356	14	50	600
AB7IDZ1416	14-16 (M7)	51,262	16	50	300
AB7IDZ1618	16-18 (M7)	55,942	18	50	300
AB7IDZ1820	18-20 (M7)	56,718	20	50	300
AB7IDZ2022	20-22 (M7)	64,438	22	50	300
AB7IDZ2224	22-24 (M7)	68,220	24	50	200
AB7IDZ2628	26-28 (M7)	70,326	28	50	200


 02
 Technical
 info
 P. 343

M7



AB-PI

Conduit clip, with single hole

02
P. 343
Technical
info

APPLICATION EXAMPLES



SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABPI006	6	4,716	-	6	100	4.500
ABPI008	8	5,042	-	8	100	2.400
ABPI010	10	5,603	1/8"	10	100	2.400
ABPI012	12	5,912	1/4"	12	100	2.400
ABPI014	14	7,423	-	14	100	2.400
ABPI016	16	9,085	3/8"	16	100	1.200
ABPI018	18	9,864	-	18	100	1.200
ABPI020	20	11,723	1/2"	20	100	1.200
ABPI022	22	12,815	-	22	100	600
ABPI025	25	14,294	-	25	100	600
ABPI026	26	14,783	3/4"	26	100	600
ABPI028	28	15,524	-	28	100	600
ABPI032	32	21,207	1"	32	100	600
ABPI040	40	29,070	-	40	50	300
ABPI042	42	34,275	1 1/4"	42	50	300
ABPI047	47	35,717	1 1/2"	47	50	200
ABPI050	50	36,948	-	50	50	200
ABPI063	63	55,383	2"	63	50	200



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZABPI016	16	1,803	2	15
BZABPI018	18	1,803	2	12
BZABPI020	20	1,803	2	10
BZABPI022	22	1,803	2	10
BZABPI025	25	1,803	2	10
BZABPI028	28	1,803	2	10
BZABPI032	32	1,803	2	10



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABPI016	16	3,797	20	5
LSABPI018	18	3,903	20	5
LSABPI020	20	4,056	20	5
LSABPI022	22	4,444	20	5
LSABPI025	25	4,063	15	5
LSABPI028	28	3,437	10	6
LSABPI032	32	2,846	6	6
LSABPI040	40	2,700	4	6

AB-PU

Bridge conduit clip, with double hole

02
P. 344
Technical
info

APPLICATION EXAMPLES



SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABPU016	16	12,016	3/8"	16	100	1.200
ABPU018	18	12,213	-	18	100	1.200
ABPU020	20	12,349	1/2"	20	100	600
ABPU022	22	14,901	-	22	100	600
ABPU025	25	15,705	-	25	100	600
ABPU028	28	16,966	-	28	100	600
ABPU032	32	19,202	1"	32	50	300
ABPU037	37	22,974	-	37	50	300
ABPU040	40	27,737	-	40	50	300
ABPU050	50	36,142	-	50	50	200
ABPU063	63	49,004	2"	63	50	150



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABPU016	16	4,254	20	5
LSABPU018	18	4,498	20	5
LSABPU020	20	4,570	20	5
LSABPU022	22	5,178	20	5
LSABPU025	25	4,542	15	5
LSABPU028	28	3,784	10	6
LSABPU032	32	2,785	6	6
LSABPU037	37	2,499	4	6
LSABPU040	40	2,536	4	6
LSABPU050	50	2,856	4	6
LSABPU063	63	3,108	4	6



Conduit clip, with single hole

AB-IP

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)	HOLE NUM		
ABIP015	15	47,058	-	15	3	50	600
ABIP018	18	51,846	3/8"	18	3	50	300
ABIP022	22	56,889	1/2"	22	3	50	300
ABIP026	26	66,493	3/4"	26	4	50	300
ABIP028	28	71,082	-	28	4	50	300
ABIP035	35	80,843	1"	35	4	50	150
ABIP042	42	87,941	1 1/4"	42	4	25	100
ABIP048	48	95,032	1 1/2"	48	4	25	100
ABIP054	54	105,714	-	54	5	25	100
ABIP060	60	119,056	2"	60	5	25	75
ABIP067	67	132,409	-	67	5	25	75
ABIP075	75	141,253	2 1/2"	75	6	25	75
ABIP090	90	166,936	3"	90	6	25	75



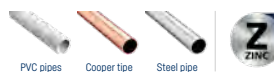
02. Technical info
p. 347

CTE
CÓDIGO TÉCNICO
DE LA EDIFICACIÓN

Screw for AB-IP

AB-TO

SANITATION



CODE	SIZE	€/100	
ABTO06015	M6 x 15	7,189	100



Pipe clip fixing plate

AB-SI

SANITATION



CODE	SIZE	€/100	METRIC DRILL	HOLE NUM	
ABSI003	3	159,851	M6	3	25
ABSI004	4	186,084	M6	4	25
ABSI005	5	213,901	M6	5	25
ABSI006	6	240,851	M6	6	25
ABSI007	7	269,471	M6	7	25
ABSI008	8	295,877	M6	8	25
ABSI009	9	322,459	M6	9	25
ABSI010	10	337,970	M6	10	25
ABSI011	11	369,541	M6	11	25
ABSI012	12	397,189	M6	12	25
ABSI013	13	423,110	M6	13	25
ABSI014	14	444,762	M6	14	25
ABSI015	15	472,764	M6	15	25
ABSI016	16	499,380	M6	16	10
ABSI017	17	537,480	M6	17	10
ABSI018	18	583,615	M6	18	10
ABSI019	19	590,445	M6	19	10
ABSI020	20	636,548	M6	20	10
ABSI021	21	643,314	M6	21	10
ABSI022	22	670,976	M6	22	10
ABSI025	25	791,975	M6	25	10

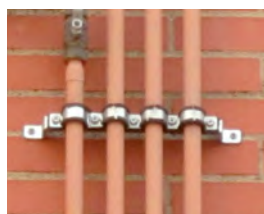
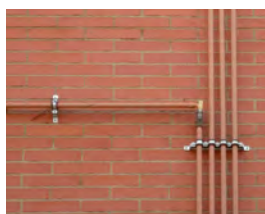


02. Technical info
p. 348

CTE
CÓDIGO TÉCNICO
DE LA EDIFICACIÓN



APPLICATION EXAMPLES





AB-SF

Hose clamp

02
P. 345
Technical
info

Embossed washer



For several Ø



APPLICATION EXAMPLES



SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ASF008016	8-16	28,680	5/16" - 5/8"	8-16	100	1.200
ASF012022	20-22	29,304	1/2" - 7/8"	12-22	100	600
ASF016027	16-27	30,853	5/8" - 1 1/16"	16 - 27	100	600
ASF020032	20-32	34,601	3/4" - 1 1/4"	20 - 32	100	600
ASF025040	25-40	41,572	1" - 1 5/8"	25 - 40	100	400
ASF030045	30-45	46,413	1 3/16" - 1 3/4"	30 - 45	100	300
ASF035050	35-50	48,127	1 3/8" - 2"	35 - 50	100	200
ASF040060	40-60	55,740	1 5/8" - 2 3/8"	40 - 60	100	200
ASF050070	50-70	61,798	2" - 2 3/4"	50 - 70	50	100
ASF060080	60-80	64,787	2 3/8" - 3 1/8"	60 - 80	50	100
ASF070090	70-90	71,434	2 3/4" - 3 1/2"	70 - 90	50	-
ASF080100	80-100	77,139	3 1/8" - 4"	80 - 100	50	-
ASF090110	90-110	85,540	3 1/2" - 4 3/8"	90 - 110	50	-
ASF100120	100-120	93,881	4" - 4 3/4"	100 - 120	25	-
ASF110130	110-130	96,570	4 3/8" - 5 1/8"	110 - 130	25	-
ASF120140	120-140	102,789	4 3/4" - 5 1/2"	120 - 140	25	-
ASF130150	130-150	106,332	5 1/8" - 5 7/8"	130 - 150	25	-



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZASF008016	8-16	2,278	2	20
BZASF012022	12-22	2,278	2	20
BZASF016027	16-27	2,278	2	20
BZASF020032	20-32	2,278	2	10
BZASF025040	25-40	2,278	2	10



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSASF008016	8-16	6,596	15	7
LSASF012022	12-22	5,766	12	7
LSASF016027	16-27	5,909	12	7
LSASF020032	20-32	5,617	10	7
LSASF025040	25-40	3,917	6	7
LSASF030045	30-45	4,383	6	7
LSASF035050	35-50	4,420	6	7
LSASF040060	40-60	3,628	4	7
LSASF050070	50-70	3,876	4	7

AB-CR

Chrome coated pipe clamp M6

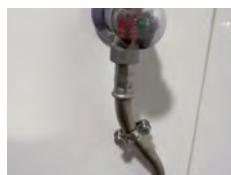
02
P. 345
Technical
info

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES		
ABCR010	10	30,155	1/8"	100	1.200
ABCR012	12	32,161	1/4"	100	1.200

APPLICATION EXAMPLES



AB-BU

Butane clamp

02
P. 345
Technical
info

SANITATION



CODE	SIZE	€/100	SIZE IN INCHES		
ABBU1315	13 - 15	30,889	1/2" - 9/16"	50	600
ABBU1618	16 - 18	30,889	5/8" - 11/16"	50	600
ABBU1921	19 - 21	36,013	3/4" - 13/16"	50	600

APPLICATION EXAMPLES





Rounded perforated banding

CI-PE

SANITATION



CODE	SIZE	€/PC	MIN. ORDER QTY.		
CIPE1208	12 x 0,8 x 10 m	5,770	10	1	40
CIPE1708	17 x 0,8 x 10 m	7,993	10	1	30



CI-PE

Galvanized



STAINLESS STEEL



CODE	SIZE	€/PC	MIN. ORDER QTY.		
CIPEA21708	17 x 0,8 x 10 m	28,611	1	1	30



CI-PE A2

Stainless steel A2



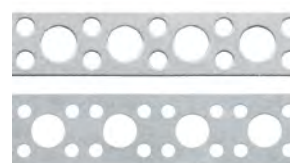
Perforated, straight, galvanized banding

CI-PR

SANITATION



CODE	SIZE	€/PC	MIN. ORDER QTY.		
CIPR1908	19 x 0,8 x 10 m	8,891	5	1	30
CIPR1208	12 x 0,8 x 10 m	6,402	5	1	40



HOUSING COLOUR INDICATES BANDING WIDTH



12 mms.



17 mms.



19 mms.

PERFORATED BANDING DESIGN DEPENDS ON MODEL



CI-PR



CI-PE



STAINLESS STEEL CLAMPS



	AB-RI A2	AB-RI A4	AB-RE A2	AB-RE A4	AB-M6 A2	AB-SF A2
						
	P. 220	P. 220	P. 2221	P. 221	P. 222	P. 222
SIZE (mm)	Ø 18 - Ø 160	Ø 18 - Ø 160	Ø 18 - Ø 200	Ø 18 - Ø 200	Ø 12 - Ø 28	Ø 10 - Ø 150
RECOMMENDED LOAD (kg)	150	150	150	150	70	-
COATING						
THICKNESS (mm)	1,8	1,8	1,8	1,8	1,5	0,7
WIDTH (mm)	20	20	20	20	16	9
OPENING	Screw	Screw	Screw	Screw	Screw	Screw With embossed washer
COUPLING NUT	M8 / M10	M8 / M10	M8 / M10	M8 / M10	M6	-
APPLICATIONS	Industrial	Aggressive environments Industrial Food sector High pressures	Industrial	Aggressive environments Industrial Food sector High pressures	Industrial	Industrial
ISOPHONIC			-	-	-	-
			-	-	-	-



For **MORE DEMANDING**
requirements

USES STAINLESS PRODUCTS





AB-RI A2

Reinforced isophonic pipe clamp M8 + M10. Stainless steel A2

02
Technical
info
p. 348CTE
CÓDIGO TÉCNICO
DE LA EDIFICACIÓN

M8 + M10



REINFORCED



STAINLESS STEEL



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABRIA2018	18	394,879	3/8"	15 - 18	50	200
ABRIA2022	22	393,723	1/2"	20 - 24	50	150
ABRIA2028	28	415,358	3/4"	26 - 30	50	150
ABRIA2035	35	436,992	1"	32 - 36	50	100
ABRIA2040	40	465,467	1 1/4"	36 - 42	25	75
ABRIA2048	48	493,320	1 1/2"	47 - 50	25	75
ABRIA2054	54	527,935	-	51 - 55	25	50
ABRIA2060	60	562,163	2"	60 - 64	25	50
ABRIA2075	75	639,720	2 1/2"	75 - 80	25	-
ABRIA2090	90	681,336	3"	87 - 92	25	-
ABRIA2110	110	776,978	-	106 - 112	25	-
ABRIA2115	115	798,510	4"	114 - 119	25	-
ABRIA2125	125	860,628	4 1/2"	124 - 131	25	-
ABRIA2140	140	891,058	5"	133 - 140	25	-
ABRIA2160	160	999,722	6"	159 - 163	25	-

AB-RI A4

Reinforced isophonic pipe clamp M8 + M10. Stainless steel A4

02
Technical
info
p. 349CTE
CÓDIGO TÉCNICO
DE LA EDIFICACIÓN

M8 + M10



REINFORCED

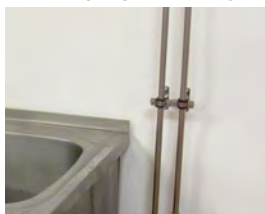
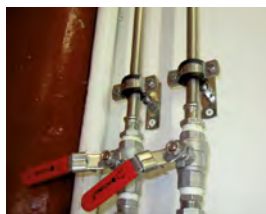


STAINLESS STEEL



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABRIA4018	18	458,935	3/8"	15 - 18	50	200
ABRIA4022	22	482,477	1/2"	20 - 24	50	150
ABRIA4028	28	511,289	3/4"	26 - 30	50	150
ABRIA4035	35	546,798	1"	32 - 36	50	100
ABRIA4040	40	589,370	1 1/4"	36 - 42	25	75
ABRIA4048	48	627,300	1 1/2"	47 - 50	25	75
ABRIA4054	54	671,772	-	51 - 55	25	50
ABRIA4060	60	719,617	2"	60 - 64	25	50
ABRIA4075	75	799,326	2 1/2"	75 - 80	25	-
ABRIA4090	90	872,610	3"	87 - 92	25	-
ABRIA4110	110	1.018,558	-	106 - 112	25	-
ABRIA4115	115	1.048,424	4"	114 - 119	25	-
ABRIA4125	125	1.133,121	4 1/2"	124 - 131	25	-
ABRIA4140	140	1.241,333	5"	133 - 140	25	-
ABRIA4160	160	1.436,718	6"	159 - 163	25	-

APPLICATION EXAMPLES





Reinforced pipe clamp M8 + M10. Stainless steel A2

AB-RE A2

STAINLESS STEEL



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABREA2018	18	303,090	3/8"	15 - 18	50	300
ABREA2022	22	321,997	1/2"	20 - 24	50	200
ABREA2028	28	339,643	3/4"	26 - 30	50	150
ABREA2035	35	355,388	1"	32 - 36	50	100
ABREA2040	40	376,176	1 1/4"	36 - 42	25	100
ABREA2048	48	404,532	1 1/2"	47 - 50	25	100
ABREA2054	54	427,227	-	51 - 55	25	75
ABREA2060	60	463,644	2"	60 - 64	25	75
ABREA2075	75	525,178	2 1/2"	75 - 80	25	50
ABREA2090	90	604,262	3"	87 - 92	25	-
ABREA2110	110	653,725	-	106 - 112	25	-
ABREA2115	115	681,907	4"	114 - 119	25	-
ABREA2125	125	731,408	4 1/2"	124 - 131	25	-
ABREA2140	140	800,258	5"	133 - 140	25	-
ABREA2160	160	922,634	6"	159 - 163	25	-
ABREA2200	200	1.286,968	-	199 - 212	25	-



02
P. 349

Technical
info

REINFORCED



M8+M10



Reinforced pipe clamp M8 + M10. Stainless steel A4

AB-RE A4

STAINLESS STEEL



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABREA4018	18	380,120	3/8"	15 - 18	50	300
ABREA4022	22	401,887	1/2"	20 - 24	50	200
ABREA4028	28	433,514	3/4"	26 - 30	50	150
ABREA4035	35	452,870	1"	32 - 36	50	100
ABREA4040	40	485,785	1 1/4"	36 - 42	25	100
ABREA4048	48	524,831	1 1/2"	47 - 50	25	100
ABREA4054	54	547,546	-	51 - 55	25	75
ABREA4060	60	583,675	2"	60 - 64	25	75
ABREA4075	75	647,588	2 1/2"	75 - 80	25	50
ABREA4090	90	710,117	3"	87 - 92	25	-
ABREA4110	110	817,710	-	106 - 112	25	-
ABREA4115	115	877,275	4"	114 - 119	25	-
ABREA4125	125	943,089	4 1/2"	124 - 131	25	-
ABREA4140	140	1.116,353	5"	133 - 140	25	-
ABREA4160	160	1.225,404	-	159 - 163	25	-
ABREA4200	200	1.502,317	-	199 - 212	25	-



02
P. 350

Technical
info

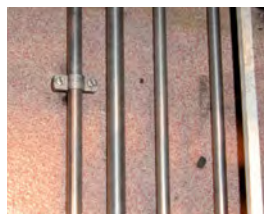
REINFORCED



M8+M10



APPLICATION EXAMPLES





AB-M6 A2

Pipe clamp M6. Stainless steel A2



02 Technical
P. 350 info

STAINLESS STEEL



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABM6A2012	12 (M6)	168,181	1/4"	12	100	1.200
ABM6A2015	15 (M6)	171,221	-	14 - 15	100	600
ABM6A2018	18 (M6)	174,260	3 / 8"	16 - 18	100	600
ABM6A2020	20 (M6)	177,745	1 / 2"	19 - 21	100	600
ABM6A2022	22 (M6)	179,989	-	22 -24	100	600
ABM6A2028	28 (M6)	190,104	3/4"	25 - 30	100	400

APPLICATION EXAMPLES



AB-SF A2

Hose clamp. Stainless steel A2



02 Technical
P. 351 info

Embossed washer



For several Ø



STAINLESS STEEL



CODE	SIZE	€/100	SIZE IN INCHES		
ASF2010016	10-16	80,168	-	100	1.200
ASF2012020	12-20	82,160	1/2" - 7/8"	100	600
ASF2016027	16-27	85,710	5/8" - 1 1/16"	100	600
ASF2020032	20-32	96,666	3/4" - 1 1/4"	100	600
ASF2025040	25-40	105,623	1" - 1 5/8"	100	200
ASF2032050	32-50	151,419	1 3/8" - 2"	100	300
ASF2040060	40-60	160,776	1 5/8" - 2 3/8"	100	200
ASF2050070	50-70	167,793	2" - 2 3/4"	50	100
ASF2060080	60-80	176,385	2 3/8" - 3 1/8"	50	100
ASF2070090	70-90	185,762	2 3/4" - 3 1/2"	50	100
ASF2080100	80-100	191,991	3 1/8" - 4"	50	100
ASF2090110	90-110	223,893	3 1/2" - 4 3/8"	50	50
ASF2100120	100-120	232,682	4" - 4 3/4"	25	25
ASF2110130	110-130	241,451	4 3/8" - 5 1/8"	25	25
ASF2120140	120-140	253,745	4 3/4" - 5 1/2"	25	25
ASF2130150	130-150	263,405	5 1/8" - 5 7/8"	25	25

APPLICATION EXAMPLES





PLASTIC CLAMPS

NYLON CABLE TIES

RANGE



BN-N
PRETO



BN-B
BRANCO



BN-AM
AMARELO



BN-AZ
AZUL



BN-VE
VERDE



BN-RO
VERMELHO



BN-MA
MARROM

ACCESORIES



TACOBRI N



TACOBRI B



BN-PL



BN-ID



BN-BA

PACKAGING



CHARACTERISTICS

- Raw material: Polyamide 6.6. Halogen-free.
- High mechanical performance. High traction resistance.
- Complete range for all types of applications.
- Easy installation. Rounded tip to facilitate threading.
- High quality internal serration.
- CE Certification.
- UL Approval.
- Minimum installation temperature [-40°C].
- Working temperature: -40°C / +85°C.
- Installation temperature: -10°C ÷ / 60°C.
- Resistant to external agents.
- Visually attractive packaging.

ASSESSMENTS



APLICATIONS

- Electrical installations.
- Industrial cabling.
- Automotive.
- Panel construction.
- Special applications.
- Outdoor installations.
- Photovoltaic installations.

BREAKLOADS ACCORDING TO EN 50146



Nylon cable tie width (mms.)

	2,5	3,6	4,8	7,6	8,8	12,0
Resistance (Kg.)	8,2	18,3	22,4	56,1	81,5	122,3





Nylon cable tie

BN

MULTI-MATERIAL



BN-N

Black

CODE	SIZE	€/100		
BN25080	2,5 x 80	1,093	100	1.000
BN25100	2,5 x 100	1,251	100	1.000
BN25140	2,5 x 140	1,853	100	1.000
BN25160	2,5 x 160	2,057	100	1.000
BN25200	2,5 x 200	2,679	100	1.000
BN36140	3,6 x 140	2,559	100	1.000
BN36200	3,6 x 200	3,489	100	1.000
BN36300	3,6 x 300	5,672	100	1.000
BN36370	3,6 x 370	7,686	100	1.000
BN48120	4,8 x 120	3,741	100	1.000
BN48160	4,8 x 160	4,158	100	1.000
BN48180	4,8 x 180	4,432	100	1.000
BN48200	4,8 x 200	4,536	100	1.000
BN48250	4,8 x 250	6,551	100	1.000
BN48290	4,8 x 290	7,092	100	1.000
BN48370	4,8 x 370	9,141	100	1.000
BN48430	4,8 x 430	12,939	100	1.000
BN76150	7,6 x 150	10,070	100	1.000
BN76200	7,6 x 200	10,787	100	1.000
BN76290	7,6 x 290	13,581	100	1.000
BN76370	7,6 x 370	17,630	100	1.000
BN76450	7,6 x 450	26,850	100	1.000
BN76540	7,6 x 540	33,204	100	1.000
BN88770	8,8 x 770	58,861	50	1.000
•BN12225	12,5 x 225	38,464	50	500
•BN12500	12,5 x 500	81,179	50	500
•BN12720	12,5 x 720	115,318	50	500
•BN12850	12,5 x 850	133,350	50	500
•BN12100	12,5 x 1000	163,729	50	500

• Non-assessed sizes



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZBN25100	2,5 x 100	1,803	20	20
BZBN25160	2,5 x 160	1,803	20	20
BZBN25200	2,5 x 200	1,803	20	20
BZBN36140	3,6 x 140	1,803	20	20
BZBN36200	3,6 x 200	1,803	20	20
BZBN36300	3,6 x 300	2,278	20	15
BZBN48160	4,8 x 160	2,278	20	15
BZBN48200	4,8 x 200	2,278	20	15
BZBN48290	4,8 x 290	2,278	10	15
BZBN48370	4,8 x 370	2,278	10	15

100%
NYLON



BN

Nylon cable tie

BN-B

White



MULTI-MATERIAL



CODE	SIZE	€/100		
BB25080	2,5 x 80	1,093	100	1.000
BB25100	2,5 x 100	1,251	100	1.000
BB25140	2,5 x 140	1,853	100	1.000
BB25160	2,5 x 160	2,057	100	1.000
BB25200	2,5 x 200	2,679	100	1.000
BB36140	3,6 x 140	2,559	100	1.000
BB36200	3,6 x 200	3,489	100	1.000
BB36300	3,6 x 300	5,672	100	1.000
BB36370	3,6 x 370	7,686	100	1.000
BB48120	4,8 x 120	3,741	100	1.000
BB48160	4,8 x 160	4,158	100	1.000
BB48180	4,8 x 180	4,432	100	1.000
BB48200	4,8 x 200	4,536	100	1.000
BB48250	4,8 x 250	6,551	100	1.000
BB48290	4,8 x 290	7,092	100	1.000
BB48370	4,8 x 370	9,141	100	1.000
BB48430	4,8 x 430	12,939	100	1.000
BB76150	7,6 x 150	10,070	100	1.000
BB76200	7,6 x 200	10,787	100	1.000
BB76290	7,6 x 290	13,581	100	1.000
BB76370	7,6 x 370	17,630	100	1.000
BB76450	7,6 x 450	26,850	100	1.000
BB76540	7,6 x 540	33,204	100	1.000
BB88770	8,8 x 770	58,861	50	1.000
•BB12225	12,5 x 225	38,464	50	500
•BB12500	12,5 x 500	81,179	50	500
•BB12720	12,5 x 720	115,318	50	500
•BB12850	12,5 x 850	133,350	50	500
•BB12100	12,5 x 1000	163,729	50	500

• Non-assessed sizes



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZBB25100	2,5 x 100	1,803	20	20
BZBB25160	2,5 x 160	1,803	20	20
BZBB25200	2,5 x 200	1,803	20	20
BZBB36140	3,6 x 140	1,803	20	20
BZBB36200	3,6 x 200	1,803	20	20
BZBB36300	3,6 x 300	2,278	20	15
BZBB48160	4,8 x 160	2,278	20	15
BZBB48200	4,8 x 200	2,278	20	15
BZBB48290	4,8 x 290	2,278	10	15
BZBB48370	4,8 x 370	2,278	10	15



Cable ties display box



COLOR	SIZE	CODE	€/BAG	PCS x BAG	BAGS x BOX
BLUE	2,5 x 100	CKBC25100AZ	1,567	100	30
	3,6 x 140	CKBC36140AZ	3,969	100	20
	3,6 x 200	CKBC36200AZ	5,095	100	20
	4,8 x 200	CKBC48200AZ	6,985	100	18
	4,8 x 290	CKBC48290AZ	10,433	100	10
BROWN	2,5 x 100	CKBC25100MA	1,567	100	30
	3,6 x 140	CKBC36140MA	3,969	100	20
	3,6 x 200	CKBC36200MA	5,095	100	20
	4,8 x 200	CKBC48200MA	6,985	100	18
	4,8 x 290	CKBC48290MA	10,433	100	10
RED	2,5 x 100	CKBC25100RO	1,567	100	30
	3,6 x 140	CKBC36140RO	3,969	100	20
	3,6 x 200	CKBC36200RO	5,095	100	20
	4,8 x 200	CKBC48200RO	6,985	100	18
	4,8 x 290	CKBC48290RO	10,433	100	10
GREEN	2,5 x 100	CKBC25100VE	1,567	100	30
	3,6 x 140	CKBC36140VE	3,969	100	20
	3,6 x 200	CKBC36200VE	5,095	100	20
	4,8 x 200	CKBC48200VE	6,985	100	20
	4,8 x 290	CKBC48290VE	10,433	100	10

**NO HANDLING
REQUIRED. BOXES
READY TO BE PLACED
ON THE SHELF**



Easily restocked

Top opening for product restocking.



Easy identification

Attractive label design, enhancing user experience.



Increases shelf profitability

More references and greater quantity per shelf metre than hanging displays.

COLOR	SIZE	CODE	€/BAG	PCS x BAG	BAGS x BOX
WHITE	6	CKTACOBRI6	6,612	100	10
	8	CKTACOBRI8	6,064	100	10
BLACK	6	CKTACOBRI6	6,468	100	10
	8	CKTACOBRI8	6,064	100	10

COLOR	SIZE	CODE	€/BAG	PCS x BAG	BAGS x BOX
WHITE	2,5 x 80	CKBB25080	1,147	100	30
	2,5 x 100	CKBB25100	1,313	100	30
	2,5 x 140	CKBB25140	1,945	100	30
	2,5 x 160	CKBB25160	2,160	100	20
	2,5 x 200	CKBB25200	2,813	100	20
	3,6 x 140	CKBB36140	2,687	100	20
	3,6 x 200	CKBB36200	3,663	100	20
	3,6 x 300	CKBB36300	5,955	100	10
	3,6 x 370	CKBB36370	8,070	100	10
	4,8 x 120	CKBB48120	3,928	100	20
	4,8 x 160	CKBB48160	4,365	100	20
	4,8 x 180	CKBB48180	4,654	100	20
	4,8 x 200	CKBB48200	4,763	100	20
	4,8 x 250	CKBB48250	6,879	100	20
	4,8 x 290	CKBB48290	7,446	100	10
	4,8 x 370	CKBB48370	9,598	100	10
	7,6 x 200	CKBB76200	11,326	100	10
	7,6 x 290	CKBB76290	14,260	100	10
	7,6 x 370	CKBB76370	18,511	100	8
	12,5 x 225	CKBB12225	20,194	50	8

COLOR	SIZE	CODE	€/BAG	PCS x BAG	BAGS x BOX
BLACK	2,5 x 80	CKBN25080	1,147	100	30
	2,5 x 100	CKBN25100	1,313	100	30
	2,5 x 140	CKBN25140	1,945	100	30
	2,5 x 160	CKBN25160	2,160	100	20
	2,5 x 200	CKBN25200	2,813	100	20
	3,6 x 140	CKBN36140	2,687	100	20
	3,6 x 200	CKBN36200	3,663	100	20
	3,6 x 300	CKBN36300	5,955	100	10
	3,6 x 370	CKBN36370	8,070	100	10
	4,8 x 120	CKBN48120	3,928	100	20
	4,8 x 160	CKBN48160	4,365	100	20
	4,8 x 180	CKBN48180	4,654	100	20
	4,8 x 200	CKBN48200	4,763	100	20
	4,8 x 250	CKBN48250	6,879	100	10
	4,8 x 290	CKBN48290	7,446	100	10
	4,8 x 370	CKBN48370	9,598	100	10
	7,6 x 200	CKBN76200	11,326	100	10
	7,6 x 290	CKBN76290	14,260	100	10
	7,6 x 370	CKBN76370	18,511	100	8
	12,5 x 225	CKBN12225	20,194	50	10

TACOBRI

Plug cable tie support

TACOBRI B

White



MULTI-MATERIAL



CODE	DRILL	COLOR	€/100	DRILL Ø		
TACOBRI B L6	Ø6		6,298	6	100	5.000
TACOBRI B L8	Ø8		5,775	8	100	5.000



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZTABRI B L8		1,803	4	15

TACOBRI N

Blak



MULTI-MATERIAL



CODE	DRILL	COLOR	€/100	DRILL Ø		
TACOBRI N L6	Ø6		6,160	6	100	5.000
TACOBRI N L8	Ø8		5,775	8	100	5.000



Blister

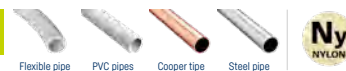
CODE	SIZE	€/BAG	PCS.	BAGS
BZTABRI N L8		1,803	4	15

BN-ID

Identification nylon cable tie, [polyamide 6.6]. Natural



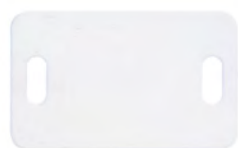
MULTI-MATERIAL



CODE	SIZE	€/100		
BID25110	2,5 x 110	9,544	100	16.000
BID25210	2,5 x 210	22,348	100	12.000

BN-PL

Identification plate for nylon cable ties up to 4,8 mm. Wide. Natural



MULTI-MATERIAL



CODE	SIZE	€/100		
BPL02616	26,4 x 16,2	22,504	100	5.000

BN-BA

Two-way, adhesive base for nylon cable ties



MULTI-MATERIAL



CODE	SIZE	COLOR	€/100		
BBANA19	19 x 19		23,514	100	15.000
BBANA27	27 x 27		33,636	100	6.000
BBANE19	19 x 19		23,514	100	15.000
BBANE27	27 x 27		33,636	100	6.000



Nylon cable tie (polyamide 6.6). Coloured

BN-CO

MULTI-MATERIAL



CODE	SIZE	€/100		
BC25100VE	2,5 x 100	1,492	100	50.000
BC36140VE	3,6 x 140	3,780	100	30.000
BC36200VE	3,6 x 200	4,853	100	25.000
BC48200VE	4,8 x 200	6,653	100	16.000
BC48290VE	4,8 x 290	9,936	100	11.000

BN-VE

Green



MULTI-MATERIAL



CODE	SIZE	€/100		
BC25100MA	2,5 x 100	1,492	100	50.000
BC36140MA	3,6 x 140	3,780	100	30.000
BC36200MA	3,6 x 200	4,853	100	25.000
BC48200MA	4,8 x 200	6,653	100	16.000
BC48290MA	4,8 x 290	9,936	100	11.000

BN-MA

Brown



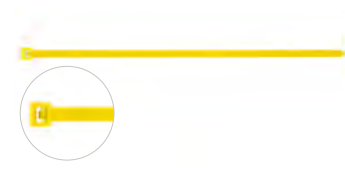
MULTI-MATERIAL



CODE	SIZE	€/100		
BC25100AM	2,5 x 100	1,492	100	50.000
BC36140AM	3,6 x 140	3,780	100	30.000
BC36200AM	3,6 x 200	4,853	100	25.000
BC48200AM	4,8 x 200	6,653	100	16.000
BC48290AM	4,8 x 290	9,936	100	11.000

BN-AM

Yellow



MULTI-MATERIAL



CODE	SIZE	€/100		
BC25100AZ	2,5 x 100	1,492	100	50.000
BC36140AZ	3,6 x 140	3,780	100	30.000
BC36200AZ	3,6 x 200	4,853	100	25.000
BC48200AZ	4,8 x 200	6,653	100	16.000
BC48290AZ	4,8 x 290	9,936	100	11.000

BN-AZ

Blue



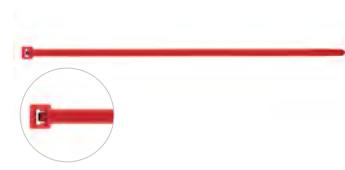
MULTI-MATERIAL



CODE	SIZE	€/100		
BC25100RO	2,5 x 100	1,492	100	50.000
BC36140RO	3,6 x 140	3,780	100	30.000
BC36200RO	3,6 x 200	4,853	100	25.000
BC48200RO	4,8 x 200	6,653	100	16.000
BC48290RO	4,8 x 290	9,936	100	11.000

BN-RO

Red





		AB-TS	AB-TD	AB-TC	AB-PR
		 P. 232	 P. 232	 P. 232	 P. 233
SIZE (mm)		Ø 14 - Ø 32	Ø 16 - Ø 28	Ø 20 - Ø 25	Ø 12 - Ø 50
RECOMMENDED LOAD (kg)		30	30	30	10
MATERIAL					
TEMPERATURE		-10°C - +90°C	-10°C - +90°C	-10°C - +90°C	-10°C - +90°C
HALOGEN FREE					
ULTRAVIOLET RESISTANT					
DILATION ABSORPTION -					-
FIXING	GAS ACTUATED GUN	-	-	-	
	METRIC THREAD	-	-	-	Pre-thread M6
	ANCHOR + SCREW	-	-	-	
	FRAMING CHANNEL	-	-	-	20/10, 27/18, 28/30
	HAMMERED				-
PARALLEL ASSEMBLING		-			
COLOUR		Grey	Grey	Grey	Grey / Black
APPLICATIONS		HSW and CW Heating Air Conditioning Sanitation Electric	HSW and CW Heating Air Conditioning Sanitation Electric	HSW and CW Heating Air Conditioning Sanitation Electric	Sanitation Electric



AB-MS	AB-MD	AB-IN	AB-ID	AB-GU	AB-MUG
					
P. 233	P. 233	P. 234	P. 234	P. 235	P. 235
Ø 10 - Ø 28	Ø 10 - Ø 28	Ø 12 - Ø 35	Ø 12 - Ø 28	Ø 12 - Ø 50	Ø 12 - Ø 48
9 - 16	16 - 30	10	10	40	40
					
-10°C - +80°C	-10°C - +80°C	-10°C - +90°C	-10°C - +90°C	-10°C - +80°C	-10°C - +80°C
					
					
		-	-	-	-
-	-	-	-		
-	-	Brass socket M6	Brass socket M6	Pre-thread M6	Pre-thread M6
		-	-		
-	-	20/10	20/10	20/10, 27/18, 28/30	20/10, 27/18, 28/30
-	-	-	-	-	-
-		-		-	-
Grey	Grey	Grey	Grey	Grey	Grey
Sanitation Electric	Sanitation Electric	Sanitation Electric	Sanitation Electric	Sanitation Electric	Sanitation Electric

AB-T

INDEXring + plug cable tie

AB-TS

Simple



02 Technical info
P. 351



SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABTS014	14	26,023	-	14 - 15	100	600
ABTS016	16	26,957	3/8"	16 - 17	100	400
ABTS018	18	28,849	-	18 - 19	100	400
ABTS020	20	29,620	1/2"	20 - 21	100	300
ABTS022	22	30,376	-	22 - 23	100	300
ABTS025	25	31,362	3/4"	25 - 26	100	300
ABTS028	28	37,230	-	28 - 29	100	200
ABTS032	30	47,986	-	30 - 32	50	150



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
LSABTS018	18	3,553	6	6
LSABTS022	22	3,782	6	6

AB-TD

Double



02 Technical info
P. 352



SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABTD016	16	31,735	3/8"	15 - 16	100	400
ABTD018	18	36,085	-	18 - 19	100	300
ABTD020	20	36,939	1/2"	20 - 21	100	200
ABTD022	22	39,018	-	22 - 23	100	200
ABTD025	25	42,893	3/4"	25 - 26	100	200
ABTD028	28	57,168	-	28 - 29	50	150



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
LSABTD018	18	3,314	4	6
LSABTD022	22	2,479	2	7

AB-TC

Quadruple



02 Technical info
P. 352



SANITATION



CODE	SIZE	€/100	SIZE IN INCHES	ØD(MM)		
ABTC020	20	62,696	1/2"	20 - 21	50	100
ABTC025	25	77,088	3/4"	25 - 26	50	100

APPLICATION EXAMPLES





Multitube clamp + plug. Single

AB-MS

SANITATION



CODE	ØD(MM)	SIZE	€/100	SCREW SIZE		
ABMS10	10	5 x 20 Ø5	24,769	3,5 x 35	100	1.200
ABMS12	12	5 x 20 Ø5	26,404	3,5 x 35	100	1.200
ABMS14	14	6 x 25 Ø6	36,805	4 x 45	100	600
ABMS16	16	6 x 25 Ø6	37,985	4 x 45	100	600
ABMS18	18	8 x 30 Ø8	49,953	4,5 x 50	100	300
ABMS20	20	8 x 30 Ø8	51,143	4,5 x 50	50	300
ABMS22	22	8 x 30 Ø8	52,275	4,5 x 50	50	300
ABMS26	26	10 x 40 Ø10	98,391	6 x 60	50	150
ABMS28	28	10 x 40 Ø10	99,967	6,5 x 60	50	150



02
P. 354

Technical
info

Multitube clamp + plug. Double

AB-MD

SANITATION



CODE	ØD(MM)	SIZE	€/100	SCREW SIZE		
ABMD10	10	8 x 30 Ø8	48,984	4,5 x 50	100	300
ABMD12	12	8 x 30 Ø8	49,980	4,5 x 50	100	300
ABMD14	14	8 x 30 Ø8	50,976	4,5 x 50	100	300
ABMD16	16	8 x 30 Ø8	50,177	4,5 x 50	100	300
ABMD18	18	10 x 40 Ø10	70,890	6 x 60	100	200
ABMD20	20	10 x 40 Ø10	75,245	6 x 60	50	150
ABMD22	22	10 x 40 Ø10	77,503	6 x 60	50	150
ABMD26	26	10 x 40 Ø10	123,719	6 x 60	50	100
ABMD28	28	10 x 40 Ø10	124,671	6 x 60	50	100



02
P. 354

Technical
info

Pressure nylon pipe clip, with pre-thread M6

AB-PR

SANITATION



CODE	SIZE	€/100	ØD(MM)		
ABPRG12	12	15,605	12	100	600
ABPRG15	15-18	16,643	15-18	100	400
ABPRG20	20-22	17,684	20-22	100	400
ABPRG25	25-28	20,801	25-28	100	300
ABPRG32	32-35	30,162	32-35	25	150
ABPRG40	40	38,185	40	25	150
ABPRG50	50	48,132	50	25	100

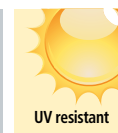


02
P. 352

Technical
info



Halogen free



UV resistant



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABPRG15	15-18	3,058	8	6
LSABPRG20	20-22	2,430	4	5
LSABPRG25	25-28	2,278	3	6

INSTALLATION

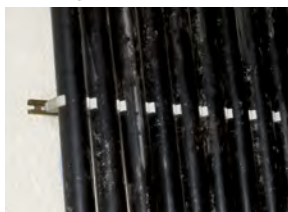
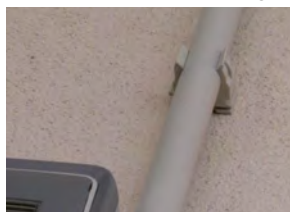
CHANNEL

GUN

ANCHOR + SCREW

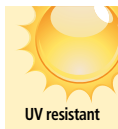


APPLICATION EXAMPLES



AB-IN

Simple polypropylene pipe clip with M6 threaded brass insert



SANITATION



CODE	SIZE	€/100	ØD(MM)		
ABIN012	12	26,477	12	100	1.200
ABIN014	14-15	28,791	14 - 16	100	600
ABIN016	16-18	36,230	16 - 18	100	600
ABIN020	20-22	37,943	20 - 22	100	400
ABIN028	28	49,097	28	50	300
ABIN035	35	74,690	35	25	300



CODE	SIZE	€/BAG	PCS.	BAGS
LSABIN012	12	4,944	10	6
LSABIN014	14-15	5,178	10	5
LSABIN016	16-18	4,811	8	6
LSABIN020	20-22	4,175	6	5
LSABIN028	28	3,808	4	6

INSTALLATION
CHANNEL



AB-ID

Double nylon pipe clip (polyamide 6.6), with M6 threaded brass insert



SANITATION



CODE	SIZE	€/100	ØD(MM)		
ABID012	12	52,712	12	50	200
ABID014	14-15	55,334	14 - 16	50	300
ABID016	16-18	70,602	16 - 18	50	200
ABID020	20-22	73,352	20 - 22	50	150
ABID028	28	94,189	28	25	100

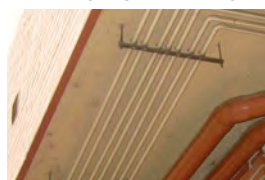


CODE	SIZE	€/BAG	PCS.	BAGS
LSABID012	12	5,147	6	6
LSABID014	14-15	5,355	6	5
LSABID016	16-18	3,128	2	6
LSABID020	20-22	3,216	2	6
LSABID028	28	3,604	2	6

INSTALLATION
CHANNEL



APPLICATION EXAMPLES





Closed polypropylene pipe clip, with pre-thread M6. Grey

AB-GU

SANITATION



CODE	SIZE	€/100	ØD(MM)		
ABGUG12	12	13,920	12	100	600
ABGUG15	15	14,907	15	100	400
ABGUG18	18	15,908	18	100	400
ABGUG20	20	16,898	20	100	400
ABGUG22	22	17,896	22	100	300
ABGUG25	25	19,884	25	50	300
ABGUG28	28	23,360	28	50	200
ABGUG32	32	27,082	32	25	150
ABGUG40	40	33,829	40	25	150
ABGUG50	50	43,197	50	25	100



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABGUG12	12	2,754	8	6
LSABGUG15	15	2,856	8	6
LSABGUG18	18	2,618	6	6
LSABGUG20	20	2,244	4	7
LSABGUG22	22	2,346	4	7
LSABGUG25	25	2,074	2	6
LSABGUG28	28	2,108	2	6
LSABGUG32	32	2,210	2	6
LSABGUG40	40	2,380	2	6
LSABGUG50	50	2,550	2	6

INSTALLATION

CHANNEL

GUN

ANCHOR + SCREW

20/10
27/18
28/3002
Technical
info
P. 353

Halogen free



UV resistant

Multiuse pipe clip

AB-MUG

SANITATION



CODE	SIZE	€/100		
ABMUG12	12	17,106	100	400
ABMUG15	15-16	17,535	100	400
ABMUG18	18-20	22,322	100	400
ABMUG22	22-25	26,522	100	300
ABMUG26	26-28	33,126	50	150
ABMUG32	32-35	42,754	50	150
ABMUG40	40-42	57,841	50	100
ABMUG48	48-50	69,526	25	75



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABMUG15	15-16	3,097	8	6
LSABMUG18	18-20	3,006	6	6
LSABMUG22	22-25	2,676	4	7
LSABMUG26	26-28	2,292	2	6
LSABMUG32	32-35	2,513	2	6

INSTALLATION

CHANNEL

GUN

ANCHOR + SCREW

20/10
27/18
28/3002
Technical
info
P. 354

Halogen free



UV resistant



WE HELP TO IMPROVE THE PROFITABILITY OF YOUR BUSINESS



SELF-SERVICE FORMATS ADAPTED TO THE
NEEDS OF EACH CUSTOMER

MAXIMUM USE OF SHELF SPACE

MAXIMUM USE OF SHELF SPACE

FREE CONSULTING SERVICE

POS SUPPORT TO ENHANCE END CUSTOMER
PURCHASING EXPERIENCE

PERFECT IDENTIFICATION AT POINT OF SALE
USING COLOUR CODING

WE INCREASE YOUR PRODUCTIVITY: PACKAGING
DESIGNED TO REDUCE SHOP HANDLING

DETAILED INFORMATION ON LABELLING



Nylon cable clips (polyamide 6.6), with steel zinc-plated nail

GR-NY

SANITATION



GR-NY BL

White

CODE	SIZE	€/100	SUITABLE FOR	MIN. ORDER QTY.	
GRBL001	2 x 0,7	6,079	Parallel cable	400	100
GRBL002	2 x 0,4 - 0,7 ó 1	6,412	Parallel cable	400	100
GRBL003	2 x 1 - 3 x 0,7	6,491	Flat cable 6 x 2	400	100
GRBL010	2 x 0,7 - 2 x 1	7,725	Flat cable 6 x 3	400	100
GRBL020	2 x 1,5 - 3 x 1	7,847	Flat cable 7,5 x 3,5	400	100
GRBL030	3 x 1,5 - 3 x 2,5	9,493	Flat cable 10 x 3,5	400	100
GRBL040	1 x 1 - 2 x 0,5	7,480	Round cable Ø4	400	100
GRBL050	2 x 0,75	7,684	Round cable Ø5	400	100
GRBL060	2 x 1	8,136	Round cable Ø6	400	100
GRBL070	2 x 1-1,5	8,877	Round cable Ø7	400	100
GRBL080	2 x 2,5	8,956	Round cable Ø8	400	100
GRBL090	3 x 2,5	9,863	Round cable Ø9	400	100
GRBL100	2 x 4	11,013	Round cable Ø10	200	100
GRBL120	3 x 6	13,522	Round cable Ø12	200	100
GRBL140	4 x 6	16,068	Round cable Ø14	200	100



Blister

CODE	SIZE	€/BAG	PCS. B	BAGS
BZGRB100	2 x 4	2,278	6	20
BZGRB010	2 x 1	2,278	6	20
BZGRB120	3 x 6	2,278	6	15
BZGRB001	2 x 0,7	2,278	6	20
BZGRB050	2 x 0,75	2,278	6	20
BZGRB060	2 x 1	2,278	6	20
BZGRB070	2 x 1-1,5	2,278	6	20
BZGRB080	2 x 2,5	2,278	6	20
BZGRB090	3 x 2,5	2,278	6	20

SANITATION



GR-NY N

Black

CODE	SIZE	€/100	SUITABLE FOR	MIN. ORDER QTY.	
GRNE060	2 x 1	8,136	Round cable	400	100
GRNE070	2 x 1 - 2 x 1,5	8,877	Round cable	400	100
GRNE080	2 x 2,50	8,956	Round cable	400	100
GRNE090	3 x 2,50	9,863	Round cable	400	100
GRNE100	2 x 4	11,013	Round cable	200	100
GRNE120	3 x 6	13,522	Round cable	200	100

SANITATION



GR-NY NT

Natural color

CODE	SIZE	€/100	SUITABLE FOR	MIN. ORDER QTY.		
GRNATTV	GRAPILLA - CLIP - CRAMPON TV - CLIP	10,115	Round cable	200	100	2000



Cable Ties display

Increases shelf profitability

More references and greater quantity per shelf metre than hanging displays



Easily restocked

Top opening for product restocking



Easy identification

Attractive label design, enhancing user experience



BATHROOM & AIR CONDITIONING FIXINGS





RA

Aluminium radiator supports

RA-TRG

Adjustable triangular support

2 PCS
x KITTAMBIÉN DISPONIBLE EN
easykits

SANITATION



CODE	SIZE	€/KIT	KITS X
RATRG095	95	3,958	50

RA-FRE

Straight Ferroli support

2 PCS
x KIT

SANITATION



CODE	SIZE	€/KIT	KITS X
RAFRE095	95	3,124	50

RA-FIN

Inclined Ferroli support

2 PCS
x KIT

SANITATION



CODE	SIZE	€/KIT	KITS X
RAFIN100	100	4,580	50

RA-RO

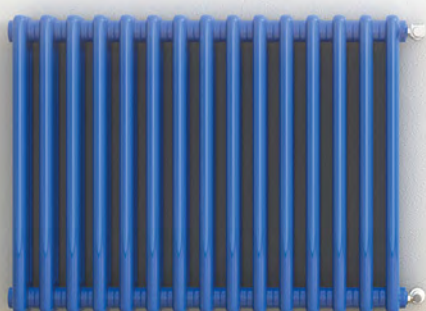
Roca support

2 PCS
x KIT

SANITATION



CODE	SIZE	€/KIT	KITS X
RARO100	100	5,624	50





Aluminium radiator supports

RA

SANITATION



CODE	SIZE	€/100	KITS X
RATRI095	95	122,852	100

RA-TRI

1" triangular support



SANITATION



CODE	SIZE	€/100	KITS X
RAFEM145	145	74,339	250
RAFEM175	175	100,525	250

RA-FEM

Fittable Ferroli support



SANITATION



CODE	SIZE	€/100	KITS X
RARAY032	32 x 78	70,788	250

RA-RAY

Rayco support



SANITATION



CODE	SIZE	€/100	KITS X
RAPES032	32 x 78	77,980	250

RA-PES

Universal support



22 KITS SOLUTIONS

easykits

INCREASES CROSS-SELLING

ATTRACTIVE VISUAL PACKAGING

USEFUL INFORMATION ON PACKAGING

SOLUTIONS FOR COMMON PRODUCTS



SA

Sanitary fixings

SA-LN

Sanitary fixings, nylon nut



2 PCS
x KIT

SANITATION



CODE	SIZE	€/KIT	KITS X
SALN08100	M8 x 100	2,290	50
SALN10120	M10 x 120	2,767	50

SA-LH

Sanitary fixings, iron nut



2 PCS
x KIT

SANITATION



CODE	SIZE	€/KIT	KITS X
SALH08100	M8 x 100	2,407	100
SALH10120	M10 x 120	2,767	50

TAMBIÉN DISPONIBLE EN

easykits

SA-IL

WC and bidet stainless steel fixing kit with long. nylon plug



2 PCS
x KIT

SANITATION



CODE	SIZE	€/KIT	KITS X
SAIL06080	M6 x 80	3,770	100

SA-WZ

WC and bidet fixing kit, zinc-plated



2 PCS
x KIT

SANITATION



CODE	SIZE	€/KIT	KITS X
SAWZ05080	M5 x 80	1,203	300





Sanitary fixings

SA

SANITATION



Ny
NYLON

L
BRASS

CODE	SIZE	€/KIT	KITS X
SAWL05080	M5 x 80	2,880	100

SA-WL

WC and bidet fixing kit, brass



2
PCS
x KIT

SANITATION



A2
INOX

CODE	SIZE	€/KIT	KITS X
SACI06080	M6 x 80	8,293	100

SA-CI

Cistern fixing kit



2
PCS
x KIT

TAMBIÉN DISPONIBLE EN
easykits

SANITATION



Z
ZINC

Ny
NYLON

CODE	SIZE	€/KIT	KITS X
SAWH06070	M6 x 70	1,817	50

SA-WH

Horizontal WC fixing kit



2
PCS
x KIT



INDEX
mix

BULK SALES SYSTEM

PERSONALIZED IMPLEMENTATION
TO GUARANTEE PROFITABILITY



CO

Kit for air-conditioning sets

SANITATION



CO-SO

Kit for air-conditioning sets

2 PCS
x KIT

CODE	SIZE	€/KIT	KITS X
COSO15400	1,5 x 400	24,759	1
COSO15450	1,5 x 450	26,953	1
COSO15500	1,5 x 500	34,200	1
COSO20400	2 x 400	38,767	1
COSO20450	2 x 450	41,753	1
COSO20500	2 x 500	42,660	1

APPLICATION EXAMPLES



Ø 8 / Ø 10

Recommended to be installed with T-NUX

PAG.
88

CO-KS

Kit silent block support for AC

4 PCS
x KIT

SANITATION



CODE	SIZE	€/KIT	KITS X
COKS08060	M8 x 60	5,480	1



ACCESSORIES





AB-TA

Threaded screws for clamps

AB-TA

Zinc-plated. Slotted

02
P. 355
Technical
info

SANITATION



CODE	SIZE	€/100		
ABTA0630	M6 x 30	4,247	100	4.500
ABTA0640	M6 x 40	5,239	100	2.400
ABTA0650	M6 x 50	5,923	100	2.400
ABTA0730 NEW	M7 x 30	4,247	100	-
ABTA0740 NEW	M7 x 40	5,239	100	-
ABTA0750 NEW	M7 x 50	5,923	100	-
ABTA0760 NEW	M7 x 60	10,253	100	-
ABTA0770 NEW	M7 x 70	13,507	100	-
ABTA0780 NEW	M7 x 80	14,840	100	-
ABTA0840	M8 x 40	7,283	100	2.400
ABTA0860	M8 x 60	9,707	100	1.200
ABTA0880	M8 x 80	13,943	100	1.200
ABTA1050	M10 x 50	16,323	100	1.200
ABTA1070	M10 x 70	20,856	100	800
ABTA1090	M10 x 90	25,993	100	600

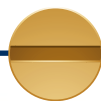


Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABTA0630	M6 x 30	2,421	15	10
LSABTA0640	M6 x 40	2,570	15	10
LSABTA0650	M6 x 50	2,727	15	10
LSABTA0840	M8 x 40	3,264	15	10
LSABTA0860	M8 x 60	3,570	15	10

AB-TA B

Yellow zinc-plated. Slotted

02
P. 355
Technical
info

SANITATION



CODE	SIZE	€/100		
ABTAB0630	M6 x 30	4,247	100	4.500
ABTAB0640	M6 x 40	5,239	100	2.400
ABTAB0650	M6 x 50	5,923	100	2.400



Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSABTAB0630	M6 x 30	2,421	15	10
LSABTAB0640	M6 x 40	2,570	15	10
LSABTAB0650	M6 x 50	2,727	15	10

AB-TA A2

Stainless steel A2. Slot drive

02
P. 356
Technical
info

STAINLESS STEEL



CODE	SIZE	€/100		
ABTA20630	M6 x 30	65,787	100	2.400

AB-TG

Threaded screws for clips

02
P. 356
Technical
info

SANITATION



CODE	SIZE	€/100		MIN. ORDER QTY.		
ABTG4530	4,5 x 30	5,079	PZ2	200	100	4500
ABTG4535	4,5 x 35	5,254	PZ2	200	100	4500
ABTG4540	4,5 x 40	5,630	PZ2	200	100	2400
ABTG5030	5 x 30	6,713	PZ3	200	100	2400
ABTG5040	5 x 40	7,105	PZ3	200	100	2400



Double threaded screw

ES-DR

SANITATION



ES-DR

Zinc-plated. Tx

CODE	SIZE		€/100	MXL	SW*		
ESDR06040	M6 x 40	TX15	8,820	M6 x 40	-	100	3.000
ESDR06050	M6 x 50	TX15	10,516	M6 x 50	-	100	2.400
ESDR06060	M6 x 60	TX15	12,135	M6 x 60	-	100	2.400
ESDR06070	M6 x 70	TX15	14,202	M6 x 70	-	100	1.600
ESDR06080	M6 x 80	TX15	15,898	M6 x 80	-	100	1.600
ESDR08050	M8 x 50	TX25	11,931	M8 x 50	-	100	1.600
ESDR08060	M8 x 60	TX25	14,487	M8 x 60	-	100	800
ESDR08070	M8 x 70	TX25	16,582	M8 x 70	-	100	800
ESDR08080	M8 x 80	TX25	19,006	M8 x 80	6	100	800
ESDR08090	M8 x 90	TX25	19,815	M8 x 90	6	100	800
ESDR08100	M8 x 100	TX25	21,243	M8 x 100	6	100	800
ESDR08110	M8 x 110	TX25	24,670	M8 x 110	6	100	800
ESDR08120	M8 x 120	TX25	30,597	M8 x 120	6	100	800
ESDR08130	M8 x 130	TX25	36,122	M8 x 130	6	100	800
ESDR10080	M10 x 80	TX25	28,873	M10 x 80	8	100	800
ESDR10100	M10 x 100	TX25	34,649	M10 x 100	8	100	400
ESDR10110	M10 x 110	TX25	38,610	M10 x 110	8	100	400
ESDR10120	M10 x 120	TX25	48,270	M10 x 120	8	100	400
ESDR10130	M10 x 130	TX25	59,330	M10 x 130	8	100	400
ESDR10140	M10 x 140	TX25	61,904	M10 x 140	8	100	400
ESDR10150	M10 x 150	TX25	66,817	M10 x 150	8	100	400
ESDR10180	M10 x 180	TX25	90,294	M10 x 180	8	100	300
ESDR10200	M10 x 200	TX25	100,382	M10 x 200	8	100	200



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS
LSESDR06080	M6 x 80	4,723	25	7
LSESDR08060	M8 x 60	4,842	25	7
LSESDR08080	M8 x 80	6,008	25	6
LSESDR08100	M8 x 100	7,079	25	6
LSESDR08120	M8 x 120	7,198	20	6
LSESDR10080	M10 x 80	6,803	20	6
LSESDR10100	M10 x 100	7,395	18	6
LSESDR10120	M10 x 120	7,211	15	7

*SW: hexagon in the middle



STAINLESS STEEL



ES-DA2

Stainless steel A2. Tx

CODE	SIZE	€/100		
ESDA208060	M8 x 60	98,087	100	800
ESDA210060	M10 x 60	186,118	100	800



02
Technical
info
p. 357

Threaded screw for clamps

AB-TR

New

SANITATION



CODE	SIZE	€/100		
ABTR05030	5 x 30	8,675	100	-
ABTR05040	5 x 40	8,983	100	-
ABTR05050	5 x 50	10,017	100	-
ABTR05060	5 x 60	11,867	100	-
ABTR06040	6 x 40	10,917	100	-
ABTR06050	6 x 50	13,242	100	-
ABTR06060	6 x 60	15,208	100	-

02
Technical
info
p. 356



New

AB-FP

Flat washer for clamps



SANITATION



CODE	SIZE	€/100		
ABFP25	25	5,350	100	-
ABFP32	32	7,867	100	-

New

AB-FC

Conical washer for clamps



SANITATION



CODE	SIZE	€/100		
ABFC09	9	8,678	100	-
ABFC14	14	13,522	100	-
ABFC19	19	21,567	100	-

New

TM-VR

Screw Coupling nut for threaded rod



SANITATION

CODE	SIZE	€/100		
TMVR06065	6 x 65	121,667	50	-
TMVR07065	7 x 65	127,467	50	-
TMVR08065	8 x 65	130,050	50	-

New

AB-PM7

Cilindrical spacer for clamps M7



SANITATION



CODE	SIZE	€/100		
ABPM720	20	85,844	50	-
ABPM730	30	112,489	50	-
ABPM740	40	126,687	50	-

M7



Forged eye bolt

AR-FO

METAL



CODE	SIZE	€/100	EYE BOLT Ø	THREAD LENGHT		
ARFOM06Z	M6 x 55	73,494	10	55	100	1.200
ARFOM08Z	M8 x 60	98,522	11.8	60	100	600
ARFOM10Z	M10 x 73	138,966	14.5	73	50	300
ARFOM12Z	M12 x 90	268,300	17	90	50	200
ARFOM16Z	M16 x 95	604,461	23.5	95	25	50



Forged eye bolt

GA-FO

METAL



CODE	SIZE	€/100	LENGTH	APERTURE HOOK	THREAD LENGHT		
GAFOM06Z	M6 x 55	68,394	82	8	55	100	1.200
GAFOM08Z	M8 x 60	112,490	98	10	60	100	600
GAFOM10Z	M10 x 73	184,157	116,5	12.5	73	50	300
GAFOM12Z	M12 x 90	319,652	146	16	90	50	100
GAFOM16Z	M16 x 95	635,273	170	19	95	25	50



Hook spiral

GE-SP

METAL



CODE	SIZE	€/100	THREAD LENGHT		
GESPM08ZE	M8 x 60	119,446	65	25	300
GESPM10ZE	M10 x 73	132,758	78	15	90



Small threaded bolt

VR-SE

METAL



CODE	SIZE	€/100		
VRSE06020	M6 x 20	6,455	200	4.800
VRSE06030	M6 x 30	9,078	200	4.800
VRSE08020	M8 x 20	8,292	200	3.200
VRSE08030	M8 x 30	11,303	200	2.400
VRSE10030	M10 x 30	16,599	200	2.400
VRSE12030	M12 x 30	21,876	100	800


02
Technical
info
P. 358


Self-Service

CODE	SIZE	€/BAG	PCS. 	BAGS
LSVRSE06030	M6 x 30	4,485	30	8



RV

1-meter threaded rod

RV-ZN

Zinc-plated

METAL

02
P. 358
Technical
info

CODE	SIZE	€/100	PITCH	
975ZM04	M4 x 1000	82,703	0,7	100
975ZM05	M5 x 1000	110,270	0,8	100
975ZM06	M6 x 1000	104,197	1	100
975ZM08	M8 x 1000	188,443	1,25	50
975ZM10	M10 x 1000	281,557	1,5	25
975ZM12	M12 x 1000	441,177	1,75	20
975ZM14	M14 x 1000	606,120	2	10
975ZM16	M16 x 1000	775,940	2	10
975ZM18	M18 x 1000	1.089,063	2,5	10
975ZM20	M20 x 1000	1.383,390	2,5	5
975ZM22	M22 x 1000	1.790,117	2,5	5
975ZM24	M24 x 1000	1.973,107	3	5
975ZM27	M27 x 1000	2.279,043	3	5
975ZM30	M30 x 1000	3.011,793	3,5	5
975ZM33	M33 x 1000	3.706,120	3,5	3
975ZM36	M36 x 1000	4.382,053	4	3

RV-A2

Stainless steel A2

STAINLESS STEEL

02
P. 358
Technical
info

CODE	SIZE	€/100	PITCH	
975A2M04	M4 x 1000	273,023	0,7	1
975A2M05	M5 x 1000	337,273	0,8	1
975A2M06	M6 x 1000	465,660	1	1
975A2M08	M8 x 1000	755,677	1,25	1
975A2M10	M10 x 1000	1.094,707	1,5	1
975A2M12	M12 x 1000	1.666,570	1,75	1
975A2M14	M14 x 1000	2.918,370	2	1
975A2M16	M16 x 1000	3.369,907	2	1
975A2M18	M18 x 1000	3.676,260	2,5	1
975A2M20	M20 x 1000	5.073,237	2,5	1
975A2M22	M22 x 1000	5.930,427	2,5	1
975A2M24	M24 x 1000	8.005,230	3	1
975A2M27	M27 x 1000	9.647,960	3	1
975A2M30	M30 x 1000	15.015,477	3,5	1
975A2M33	M33 x 1000	18.851,043	3,5	1
975A2M36	M36 x 1000	21.681,760	4	1

RV-2M

2 meters. Zinc-plated

METAL



CODE	SIZE	€/100	PITCH	
975ZM2M06	M6 x 2.000	208,393	1	50



Coupling nut

MA

METAL



MAHE

Hexagonal. Zinc-plated



02
P. 359

Technical info

CODE	SIZE	€/100	LENGTH		
MAE0620	M6 x 20	17,261	20	200	2.400
MAE0630	M6 x 30	23,283	30	200	1.600
MAE0825	M8 x 25	18,860	25	200	1.600
MAE1030	M10 x 30	25,102	30	150	900
MAE1235	M12 x 35	58,579	35	100	600
MAE1650	M16 x 50	182,475	50	50	100
MAE2060	M20 x 60	498,148	60	25	-



Blister



Window Box



Self-Service

CODE	SIZE	€/BAG	PCS.	BAGS	CODE	SIZE	€/BOX	PCS.	BOXES	CODE	SIZE	€/BAG	PCS.	BAGS
BZMAE0630	M6 x 30	2,278	6	15	VMAE0630	M6 x 30	6,310	20	8	LSMAE0630	M6 x 30	10,938	40	6
BZMAE0825	M8 x 25	2,278	6	15	VMAE0825	M8 x 25	5,093	20	8	LSMAE0825	M8 x 25	6,684	30	5
BZMAE1030	M10 x 30	2,278	4	15	VMAE1030	M10 x 30	5,086	15	8	LSMAE1030	M10 x 30	5,930	20	6

METAL



MARE

Round. Zinc-plated



02
P. 359

Technical info

CODE	SIZE	€/100	LENGTH		
MAR5322	5/32W x 20	21,491	20	200	4.800
MAR0420	M4 x 20	14,416	20	200	4.800
MAR0620	M6 x 20	15,212	20	200	2.400
MAR0630	M6 x 30	22,600	30	200	1.600
MAR0825	M8 x 25	18,860	25	200	2.400
MAR0830	M8 x 30	23,389	30	200	1.600
MAR1030	M10 x 30	24,959	30	150	900
MAR1235	M12 x 35	42,175	35	100	600
MAR1650	M16 x 50	150,536	50	50	300



Window Box



Self-Service

CODE	SIZE	€/BOX	PCS.	BOXES	CODE	SIZE	€/BAG	PCS.	BAGS
VMAR0420	M4 x 20	4,865	25	8	LSMAR0420	M4 x 20	6,810	40	8
VMAR0630	M6 x 30	6,103	20	8	LSMAR0630	M6 x 30	10,679	40	7
VMAR0830	M8 x 30	6,317	20	8	LSMAR0830	M8 x 30	9,673	35	5
VMAR1030	M10 x 30	5,097	15	8	LSMAR1030	M10 x 30	5,947	20	6

STAINLESS STEEL



MARI

Round, stainless steel A2



02
P. 360

Technical info

CODE	SIZE	€/100	LENGTH	
MARI0830	M8 x 30	180,564	30	100
MARI1030	M10 x 30	248,581	30	100



PCU



METAL



17
Técnicas Expansivas S.L.
Segador, 13. Logroño,
Spain
EN 13964
Substructures for suspen-
ded ceilings

CODE	SIZE	€/100	MIN. ORDER QTY.		
PCU0005	5	13,527	200	100	800
PCU0006	6	13,627	200	100	800

PF

Flat bar for fixation.

PF-A4

Stainless steel A4



Technical
info

STAINLESS STEEL



CODE	SIZE	€/100		
PFA4M0800	M8	254,587	100	600
PFA4M0810	M8 + M10	303,437	100	600
PFA4M1000	M10	290,853	100	600

PF-ZN

Zinc-plated



Technical
info

METAL



CODE	SIZE	€/100		
PFZNM0800	M8	51,422	100	600
PFZNM0810	M8 + M10	59,283	100	600
PFZNM1000	M10	60,183	100	600

APPLICATION EXAMPLES





STEEL BEAM CLAMPS



SU

Steel beam clamps

SU-M0

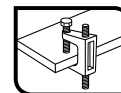
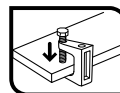
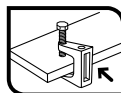
Beam clamp

02
P. 361 Technical
info

METAL



CODE	SIZE	€/100	MAX. WIDTH TO BEAM		
SUMOP09	PASANTE Ø9	350,387	20	50	150
SUMOP11	PASANTE Ø11	385,244	21	50	150
SUMOP13	PASANTE Ø13	551,352	26	50	100
SUMOM08	ROSCADO M8	350,387	20	50	200
SUMOM10	ROSCADO M10	385,244	21	50	150
SUMOM12	ROSCADO M12	574,868	26	50	-



SU-CL

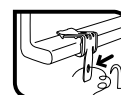
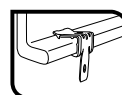
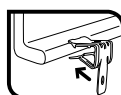
Suspension clip

02
P. 361 Technical
info

METAL



CODE	SIZE	€/100	MIN. BEAM LENGTH	BEAM THICKNESS		
SUCL02	6.3	33,239	14	1,5 - 4	100	1.200
SUCL04	6.3	47,547	23	4 - 10	100	400
SUCL10	6.3	55,375	23	10 - 15	100	300
SUCL15	6.3	73,838	23	15 - 20	100	300



SU-VA

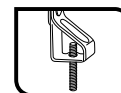
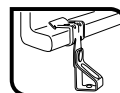
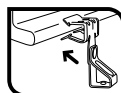
Rod clip

02
P. 361 Technical
info

METAL



CODE	SIZE	€/100	MIN. BEAM LENGTH	BEAM THICKNESS		
SUVA0602	M 6	85,358	14	1,5 - 4	100	300
SUVA0604	M 6	103,973	23	4 - 10	100	200
SUVA0610	M 6	152,951	23	10 - 15	100	-
SUVA0615	M 6	184,594	23	15 - 20	100	-
SUVA0804	M 8	103,973	14	1,5 - 4	100	200
SUVA0810	M 8	152,951	23	4 - 10	100	200
SUVA0815	M 8	184,594	23	10 - 15	100	-
SUVA0802	M 8	85,358	23	15 - 20	100	300



SU-CU

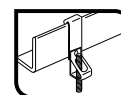
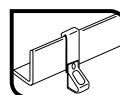
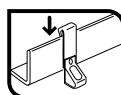
Holder clip

02
P. 362 Technical
info

METAL



CODE	SIZE	€/100	BEAM THICKNESS		
SUCU0602	M 6	85,734	1,5 - 5	100	300
SUCU0605	M 6	95,285	5 - 7	100	300
SUCU0606	M 6	119,286	3 - 7	100	200
SUCU0607	M 6	140,600	7 - 10	100	200





FRAMING SYSTEMS



COMPATIBILITY TABLE

	Code	Size (mm)	LENGTH (mm)	CHANNEL CANTILEVER ARMS						CHANNEL BRACKETS					
				Vertical M10	Vertical M10	Horizontal M10	Horizontal M10	Horizontal	Horizontal	45°	90°	Flat	45° Stainless steel	90° Stainless steel	Stainless steel at
SLOTTED STRUT CHANNELS	GPZ201010	20 x 10 x 1	2.000												
	GPZ250808	25 x 8 x 0,8	1.000												
	GPG271812	27 x 18 x 1,25	2.000	•		•		•		•	•	•			
	GPG283018	28 x 30 x 1,8	2.000	•		•		•		•	•	•			
	GPG384020	38 x 40 x 2	2.000		•		•		•	•	•	•			
	GPG402015	40 x 20 x 1,5	2.000		•		•		•	•	•	•			
	GPI271812	27 x 18 x 1,25	2.000										•	•	•
	GPI283015	28 x 30 x 1,8	2.000										•	•	•
	GPI384020	38 x 40 x 2	2.000										•	•	•
	GPP271812	27 x 18 x 1,25	1.000	•		•				•	•	•			
	GPV251120	25 x 11 x 2	1.000							•	•	•			
	GPX412120	41 x 21 x 2,00	3.000						•	•	•	•			
	GPX412125	41 x 21 x 2,5	3.000						•	•	•	•			
	GPX414115	41 x 41 x 1,50	3.000						•	•	•	•			
	GPX414120	41 x 41 x 2,00	3.000						•	•	•	•			
	GPX414125	41 x 41 x 2,5	3.000						•	•	•	•			
CHANNEL CANTILEVER ARMS	SPZ271820	27 x 18 x 1,25	200												
	SPZ271830	27 x 18 x 1,25	300												
	SPZ384020	38 x 40 x 2	200												
	SPZ384025	38 x 40 x 2	250												
	SPZ384030	38 x 40 x 2	300												
	SPZ384035	38 x 40 x 2	350												
	SPZ384040	38 x 40 x 2	400												
	SPZ384050	38 x 40 x 2	500												
	SPZ384060	38 x 40 x 2	600												
	SPX412115	41 x 21 x 2,5	150												
	SPX412130	41 x 21 x 2,5	300												
	SPX412145	41 x 21 x 2,5	450												
	SPX414115	41 x 41 x 2,5	150												
	SPX414130	41 x 41 x 2,5	300												
	SPX414145	41 x 41 x 2,5	450												
	SPX414160	41 x 41 x 2,5	600												
	SPX414175	41 x 41 x 2,5	750												



SP

Channel cantilever arms

SP-Z

Zinc-plated



METAL



CODE	SIZE	€/100	LENGTH	
SPZ271820	27 x 18 x 1,25 x 200	568,592	200	10
SPZ271830	27 x 18 x 1,25 x 300	613,578	300	10
SPZ384020	38 x 40 x 2 x 200	902,690	200	10
SPZ384025	38 x 40 x 2 x 250	1.013,350	250	10
SPZ384030	38 x 40 x 2 x 300	1.147,670	300	10
SPZ384035	38 x 40 x 2 x 350	1.185,682	350	10
SPZ384040	38 x 40 x 2 x 400	1.433,131	400	10
SPZ384050	38 x 40 x 2 x 500	1.678,284	500	10
SPZ384060	38 x 40 x 2 x 600	1.938,133	600	10

SP-X

Indextrut



METAL



CODE	SIZE	€/100	LENGTH	
SPX412115	41 x 21 x 2,5 x 150	767,642	150	10
SPX412130	41 x 21 x 2,5 x 300	1.111,922	300	10
SPX412145	41 x 21 x 2,5 x 450	1.384,405	450	10
SPX414115	41 x 41 x 2,5 x 150	1.003,010	150	10
SPX414130	41 x 41 x 2,5 x 300	1.532,873	300	10
SPX414145	41 x 41 x 2,5 x 450	1.833,984	450	10
SPX414160	41 x 41 x 2,5 x 600	2.305,849	600	10
SPX414175	41 x 41 x 2,5 x 750	2.674,365	750	10

SP-V

Vertical



METAL



CODE	SIZE	€/100	SUITABLE FOR	
SPV2718	M10 (27/18-28/30)	407,280	27/18 - 28/30	50
SPV3840	M10 (38/40-40/20)	420,403	38/40 - 40/20	50

SP-H

Horizontal



METAL



CODE	SIZE	€/100	SUITABLE FOR	
SPH2718	M10 (27/18-28/30)	353,192	27/18 - 28/30	50
SPH3840	M10 (38/40-40/20)	366,322	38/40 - 40/20	50

SP-HX

Horizontal channels



METAL



CODE	SIZE	€/100	SUITABLE FOR	
SPGH2718	M10 (27/18-28/30)	571,176	27/18 - 28/30	10
SPGH3840	M10 (38/40-40/20-41/21-41/41)	1.110,117	38/40 - 40/20 - 41/21 - 41/41	10



Slotted strut channel

GP

METAL



CODE	SIZE	€/100	LENGTH	
GPZ201010	20 x 10 x 1 x 2000	532,490	2.000	30
GPZ250808	25 x 8 x 0,80 x 1000	425,040	1.000	30

GP-Z

Zinc-plated



METAL



CODE	SIZE	€/100	LENGTH	
GPG271812	27 x 18 x 1,25 x 2000	866,229	2.000	10
GPG283018	28 x 30 x 1,8 x 2000	1.678,951	2.000	10
GPG384020	38 x 40 x 2 x 2000	2.600,704	2.000	5
GPG402015	40 x 20 x 1,50 x 2000	1.387,308	2.000	10

GP-G

Hot dip galvanized



STAINLESS STEEL



CODE	SIZE	€/100	LENGTH	
GPI271812	27 x 18 x 1,25 x 2000	7.365,896	2.000	10
GPI283015	28 x 30 x 1,50 x 2000	17.651,864	2.000	10

GP-A2

Stainless steel A2



METAL



CODE	SIZE	€/100	LENGTH	
GPP271812	27 x 18 x 1,25	1.567,927	1.000	10

GP-PL

Yellow plastified



METAL



CODE	SIZE	€/100	LENGTH	
GPV251120	25 x 11 x 2 x 1000	613,570	1.000	30

GP-PVC

PVC



METAL



CODE	SIZE	€/100	LENGTH	
GPX412120	41 x 21 x 2	3.268,653	3.000	10
GPX412125	41 x 21 x 2,5	3.992,047	3.000	2
GPX414115	41 x 41 x 1,5	3.471,100	3.000	2
GPX414120	41 x 41 x 2	4.739,960	3.000	10
GPX414125	41 x 41 x 2,5	5.424,030	3.000	2
GPX2M412120	41 x 21 x 2	2.285,770	3.000	10
GPX2M414120	41 x 41 x 2	3.194,367	3.000	10

GP-X

Indextrut





EG

Channel bracket

EG-Z

Zinc-plated



METAL



CODE	SIZE	€/100	SUITABLE FOR		
EMZ45	50 x 50 45°	94,221	25/11 - 27/18 - 28/30 - 38/40 - 40/20 - 41/21 - 41/41	100	400
EMZ90	54 x 54 90°	94,221	25/11 - 27/18 - 28/30 - 38/40 - 40/20 - 41/21 - 41/41	100	300
EMZ00	100 180°	91,862	25/11 - 27/18 - 28/30 - 38/40 - 40/20 - 41/21 - 41/41	100	-

EG-A2

Stainless steel A2



STAINLESS STEEL



CODE	SIZE	€/100	SUITABLE FOR		
EMI45	50 x 50 45°	460,334	27/18 - 28/30 - 38/40	50	200
EMI90	54 x 54 90°	460,334	27/18 - 28/30 - 38/40	50	-
EMI00	100 180°	456,383	27/18 - 28/30 - 38/40	50	200

PG

Channel U-fitting

PG-Z

Zinc-plated



METAL



CODE	SIZE	€/100	SUITABLE FOR		
PGZ2718	27 / 18 x 81	79,496	27/18	50	300
PGZ2830	28 / 30 x 81	96,278	28/30	50	300
PGZ3840	38 / 40 x 93	107,412	38/40	50	100

PG-A2

Stainless steel A2



STAINLESS STEEL



CODE	SIZE	€/100	SUITABLE FOR		
PGI2718	27 / 18 x 81	224,532	27/18	50	300
PGI2830	28 / 30 x 81	258,213	28/30	50	200
PGI3840	38 / 40 x 93	314,346	38/40	50	100



Plastic caps for framing systems

SO-TP

METAL



CODE	SIZE	€/100	SUITABLE FOR		
SOTP2718	27/18	29,010	27/18	100	400
SOTP2830	28/30	39,513	28/30	100	300
SOTP3840	38/40	54,533	38/40	100	300
SOTP4121	41/21	43,697	41/21	100	300
SOTP4141	41/41	45,817	41/41	100	300



Channel stud nut

TO-GU

METAL



CODE	SIZE	€/100	SUITABLE FOR		
TG230620	M6 x 20	48,769	20/10 - 27/18 - 28/30 - 25/08	100	800
TG230820	M8 x 20	60,707	27/18 - 28/30	100	400
TG230830	M8 x 30	63,897	27/18 - 28/30	100	600
TG340830	M8 x 30	87,923	38/40 - 40/20	100	600
TG341030	M10 x 30	118,597	38/40 - 40/21	100	400



Channel nuts

TU-GU

METAL



CODE	SIZE	€/100	SUITABLE FOR		
TUG201006	M6	13,396	20/10 - 25/8 - 25/11 - 28/30	100	3.000
TUG201008	M8	13,396	20/10 - 25/8 - 25/11 - 28/30	100	2.400
TUG271808	M8	36,074	27/18 - 28/30 - 38/40 - 40/20	100	1.200
TUG271810	M10	36,074	27/18 - 28/30 - 38/40 - 40/20	100	1.200
TUGX08	M8	54,655	Indextrut 41/41 - 41/21	100	800
TUGX10	M10	60,436	Indextrut 41/41 - 41/21	100	800



Indextrut channel spring nut

TU-MU

METAL



CODE	SIZE	€/100	SUITABLE FOR		
TUGXMU08	M08	76,062	Indextrut 41/41 - 41/21	100	400
TUGXMU10	M10	76,062	Indextrut 41/41 - 41/21	100	400





GUTTER SUPPORTS

TE

Gutter Supports

TE-MO

Module for PVC channel



METAL



CODE	SIZE	€/100	
TEM025	25	186,564	50
TEM033	33	229,937	50

TE-GA

Hook for PVC channel



METAL



CODE	SIZE	€/100	
TEGA25	25	227,165	50
TEGA33	33	293,847	50

TE-GR

Big tile plate



METAL



CODE	SIZE	€/100	
TEGR2530	25	182,221	50

TE-PE

Tile plate



METAL



CODE	SIZE	€/100	
TEPE2530	25	170,158	50

APPLICATION EXAMPLES

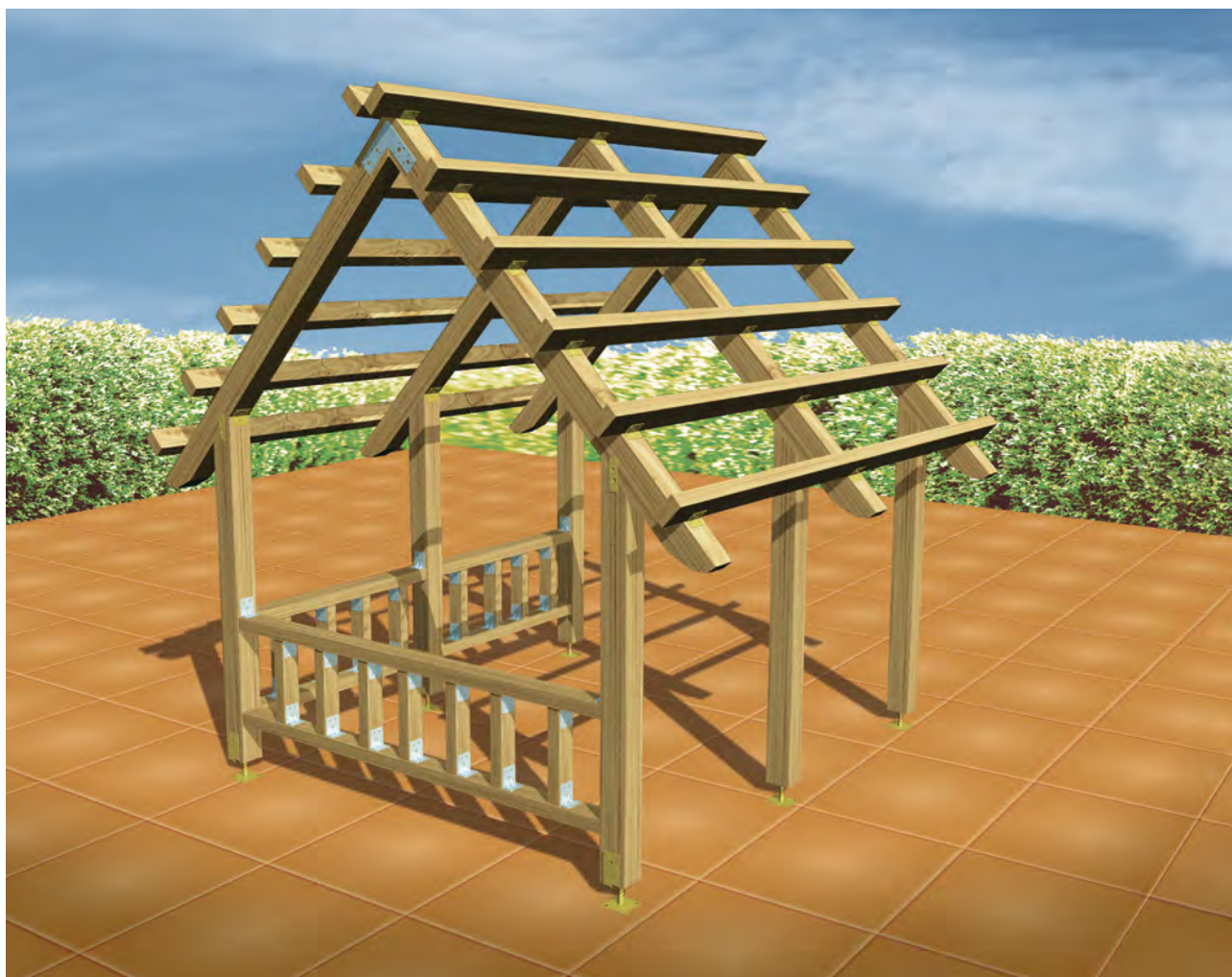


WOOD CONNECTORS



Connectors for wood

With this complete range of Wood Connectors, you can design and manufacture numerous indoor and outdoor structures in a quick and simple way, as well as adapting to all kinds of sloping, angles or complicated situations.





INDEX Fixing Systems Wood Connectors are clean and ideal for the construction of roofing, pergolas, porches, interior structures, etc.

They also allow you to save on masonry work, as they are placed directly onto the base materials.

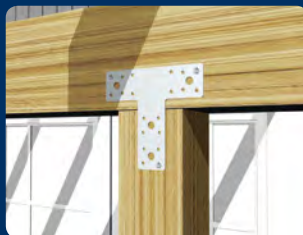
Resistance to corrosion is assured, thanks to the different types of galvanized coatings.



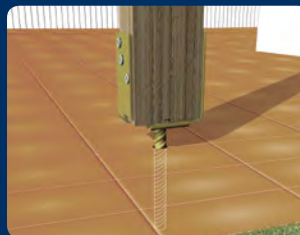
APPLICATION EXAMPLES



Union of pillars for the construction of structures



Reinforcement for pillars and beams



Pillar base for porches



Upright pillar base for porches and wooden structures

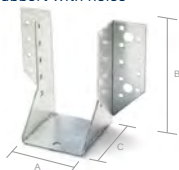


SO

Perforated supports

SO-UO

U-shaped, joist bearing, pre-galvanized perforated support with holes



WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SOU004110	40 x 110 x 80	432,052	4/1/22	11/7/4,6	2	25
SOU006100	60 x 100 x 80	404,165	4/1/22	11/7/4,6	2	25
SOU007125	70 x 125 x 80	522,614	4/1/28	11/7/4,6	2	25
SOU008120	80 x 120 x 80	452,938	4/1/28	11/7/4,6	2	25
SOU010140	100 x 140 x 80	585,361	4/1/34	11/7/4,6	2	10

SO-UR

Universal U-shaped joist bearing, adjustable width. pre-galvanized with holes



WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SOUR30140DR	26 x 140 x 76	361,534	2/20	11/4,5	2	25
SOUR30140IZ	26 x 140 x 76	361,534	2/20	11/4,5	2	25

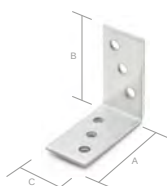
Iftode Universal
sisteme de construcții

SC

Wood connectors, angled brackets

SC-EI

Angle, pre-galvanized. Perforated with equal holes



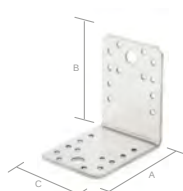
WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCEI040402	40 x 40 x 20	58,555	6	4,5	2	100
SCEI040404	40 x 40 x 40	90,607	8	4,6	2	50
SCEI040406	40 x 40 x 60	153,309	12	4,6	2	50
SCEI050504	50 x 50 x 40	104,550	8	4,6	2	50
SCEI060604	60 x 60 x 40	139,366	12	5	2	50
SCEI060606	60 x 60 x 60	181,166	18	5	2	50
SCEI060608	60 x 60 x 80	313,602	24	4,6	2	25
SCEI070704	75 x 75 x 40	188,139	12	5	2	50
SCEI080808	80 x 80 x 80	369,339	32	4,6	2	25
SCEI101004	100 x 100 x 40	229,935	20	4,6	2	50
SCEI101010	100 x 100 x 100	578,357	50	4,6	2,5	25

SC-ED

Angle, pre-galvanized, with holes of different sizes



WOOD



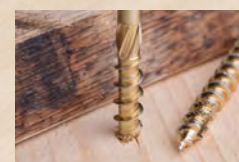
CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCED050503	50 x 50 x 35	104,550	2/12	11/4,5	2,5	50
SCED060604	60 x 60 x 45	160,283	2/12	10,4/4,8	2,5	50
SCED070705	70 x 70 x 55	216,029	2/20	10,4/4,6	2,5	50
SCED090904	90 x 90 x 40	243,882	4/16	10,4/4,6	2,5	50
SCED090906	90 x 90 x 65	229,935	5/15	12,8/4,6	2,5	25
SCED101009	105 x 105 x 90	473,855	5/29	12,8/4,6	3	25

HIGH PERFORMANCE CHIPBOARD SCREW FOR WOOD

TEX



Sits perfectly level
on any surface.



Lessens possibility of wood
cracking

Wood connectors, angled brackets

SC

WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCLD040606	60 x 60 x 40	229,935	2/13	11/5	2,5	50
SCLD060806	60 x 80 x 60	285,716	2/13	11/5	2,5	50

WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCGA100404	40 x 40 x 100	232,077	16	5	2,4	25

WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCRF070705	70 x 70 x 55	222,999	2/12	11/4,6	2	50
SCRF070605	77 x 64 x 50	188,139	2/12	11/4,6	2,5	50
SCRF090906	90 x 90 x 65	229,935	2/24	11/4,5	2,5	25
SCRF101009	100 x 100 x 90	459,908	4/26	13,4/4,6	2,5	25
SCRF151506	150 x 150 x 65	466,881	3/13/1/15	11/5/11x32/4,6	2,5	25

WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCRG090505	50 x 90 x 50	236,909	3/14	11/4,6	2,5	50
SCRG090508	50 x 90 x 80	334,478	5/16	13/4,6	2,5	50

WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCAS3317DR	32 x 100 x 170	166,960	20	5	2	50
SCAS3317IZ	32 x 100 x 170	166,960	20	5	2	50

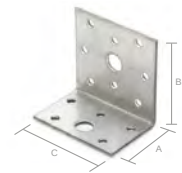
WOOD



CODE	Z T	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCCE200404	40 x 205 x 40	265,394	18	4,5	1,8	10

SC-LD

Unequal-sided, pre-galvanized



SC-GA

Big angle for corners, pre-galvanized



SC-RF

Reinforced angle, pre-galvanized



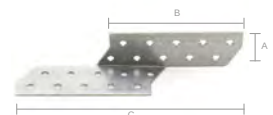
SC-RG

Adjustable angle, pre-galvanized



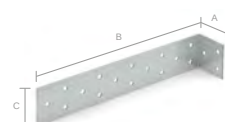
SC-AS

Asymmetric, right or left side, pre-galvanized



SC-CE

Bracket for concrete, pre-galvanized



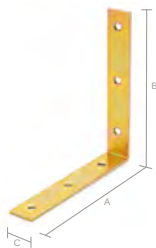


SC

Wood connectors, angled brackets

SC-OB

Angle with bevelled-edge holes on both sides, yellow zinc-plated



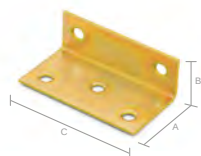
WOOD



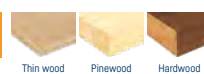
CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCOB020214	25 x 25 x 15	41,834	4	4	1,8	100
SCOB030314	30 x 30 x 15	48,773	4	4,6	2	100
SCOB040415	40 x 40 x 15	55,746	4	4,5	1,8	100
SCOB050515	50 x 50 x 15	62,716	4	5	2	100
SCOB060618	60 x 60 x 16	69,690	4	5	2	100
SCOB070718	75 x 75 x 18	90,607	4	5,2	2	50
SCOB090920	90 x 90 x 20	118,449	4	6,5	2	50
SCOB101020	100 x 100 x 20	139,366	6	5,5	2	40
SCOB121222	125 x 125 x 22	216,029	6	5,5	2,5	40
SCOB151525	150 x 150 x 25	313,602	6	5,5	3	20

SC-CD

Large angle, unequal-sided, yellow zinc plated



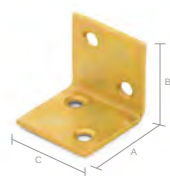
WOOD



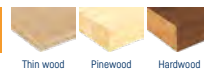
CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCCD402575	25 x 40 x 75	199,843	5	4,6	2	50

SC-CI

Large angle, equal-sided, yellow zinc plated



WOOD



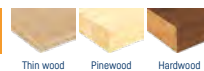
CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCCI303030	30 x 30 x 30	76,616	4	4,6	2	100
SCCI404040	40 x 40 x 40	97,580	4	4,6	2	50
SCCI606060	60 x 60 x 60	202,082	8	4,5	2	50

SC-EM

Angle, yellow zinc-plated to be embedded



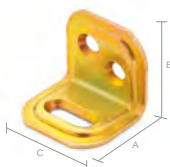
WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCEM081240	80 x 120 x 40	299,615	5	4,7	1,6	20
SCEM101640	100 x 160 x 37	418,108	5	4,5	2	20

SC-ER

Adjustable angle, to be embedded, yellow zinc-plated



WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCER302525	25 x 25 x 30	97,580	1/2	4,5 x 14/4,5	1,2	50
SCER392822	39 x 28 x 22	83,633	1/1	4,5 x 16/4,5	1	50



Wood connectors, angled brackets

SC

WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCGE704025	25 x 40 x 70	198,024	2/3	4,5 x 11/4,5	1,5	20

SC-GE

Big, adjustable angle to be embedded, yellow zinc-plated



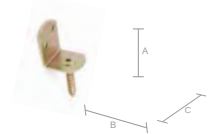
WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCLC833330	34 x 38 x 30	121,734	2	5	2	100

SC-LC

L-shaped with welded screw, for fence panels, yellow zinc-plated



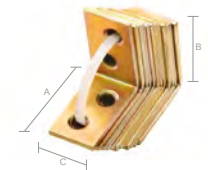
WOOD



CODE	A x B x C	€/KIT	HOLE NUM	HOLES Ø	THICKNESS	KITS X
SCMX020214	25 x 25 x 14	3,624	4	4	1,8	10
SCMX030314	30 x 30 x 14	4,043	4	4	1,8	10
SCMX040415	40 x 40 x 15	4,668	4	4,2	1,8	10
SCMX050515	50 x 50 x 15	5,855	4	4,6	1,8	10
SCMX060618	60 x 60 x 18	5,505	4	4,5	1,8	10
SCMX070718	75 x 75 x 18	6,899	4	5	2	10

SC-MX

Pack of angles for chairs, yellow zinc-plated (10 pcs)



WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCPD107530	75 x 100 x 30	222,999	5	5	2,5	50
SCPD128035	80 x 120 x 35	383,248	7	4,5	3,5	25

SC-PD

Angle for posts, unequal-sided, yellow zinc-plated



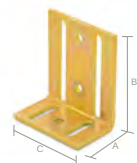
WOOD



CODE	A x B x C	€/100	HOLE NUM	HOLES Ø	THICKNESS	
SCRE357565	39 x 75 x 65	486,733	3/2/2	7/7 x 25/7 x 60	3	25

SC-RE

Adjustable angle, yellow zinc-plated

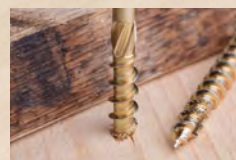


HIGH PERFORMANCE CHIPBOARD SCREW FOR WOOD

TEX



Sits perfectly level on any surface.



Lessens possibility of wood cracking

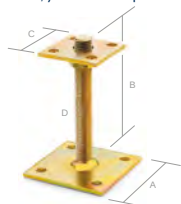


AP

Wood connectors, post anchors

AP-AR

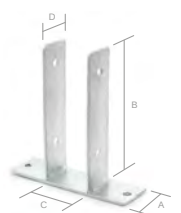
Height-adjustable, yellow zinc-plated



CODE	SIZE	€/100	METRIC	HOLE NUM	THICKNESS	
APAR070	70 x 70 x 100 x 100	3.226,335	M20	8	5	1
APAR150	150 x 150 x 100 x 100	3.991,399	M20	8	5	1

AP-AT

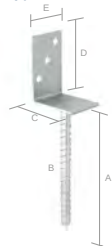
U-shaped, to be screwed directly or into already installed rods, hot dip galvanized



CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	
APAT071	71 x 200 x 60 x 50	1.951,131	6	10,5	4	1
APAT091	91 x 200 x 60 x 50	2.182,450	6	10,5	4	1
APAT101	101 x 200 x 60 x 50	2.257,746	6	10,5	4	1

AP-FL

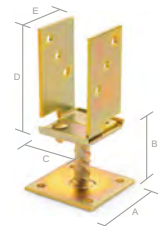
L-shaped, with welded corrugated steel bar, hot dip galvanized



CODE	SIZE	€/100	ØD(MM)	HOLE NUM	HOLES Ø	THICKNESS	
APFL801020	80 x 100 x 200 x 60	1.527,631	19	3	11	4	1

AP-FU

U-shaped, adjustable width, galvanized, yellow zinc-plated



CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	
APFU070	71 - 131 x 110 x 70 x 100	3.662,548	10	10,5	5	1

AP-PD

Unequal-sided post base, hot dip galvanized



CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	
APPD100	100 x 100 x 150 x 43	3.013,835	8	10,5	5	1



Wood connectors, post anchors

AP

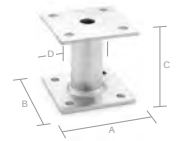
WOOD



CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	
APPG070	70 x 90 x 70 x 80 x 90	2.116,107	8	8,5	5	1
APPG100	100 x 100 x 100 x 100 x 100	3.299,659	8	10,5	5	1

AP-PG

Equal-sided post base, hot dip galvanized



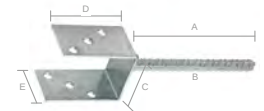
WOOD



CODE	SIZE	€/100	ØD(MM)	HOLE NUM	HOLES Ø	THICKNESS	
APPT071	71 x 100 x 200 x 60	1.898,162	19	6	10,5	4	1
APPT091	91 x 100 x 200 x 60	1.948,316	19	6	10,5	4	1
APPT101	101 x 100 x 200 x 60	2.031,952	19	6	10,5	4	1

AP-PT

U-shaped, with welded corrugated steel bar, hot dip galvanized post anchor



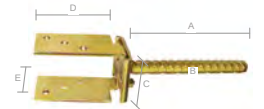
WOOD



CODE	SIZE	€/100	HOLE NUM	THICKNESS	
APUE200	71 - 131 x 110 x 200 x 70	3.940,027	6	5	1

AP-UE

U-shaped, adjustable width, with welded corrugated steel bar, galvanized, yellow zinc-plated



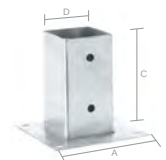
WOOD



CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	MIN. ORDER QTY.	
APSB71	71 x 71 x 150	1.245,927	2	4 x 11	1,8	2	1
APSB91	91 x 91 x 150	1.445,500	2	4 x 11	1,8	2	1

AP-SB

Screw in sleeve



WOOD



CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	MIN. ORDER QTY.	
APEN71	71 x 71 x 750	1.522,027	2	4 x 11	1,8	2	1
APEN91	91 x 91 x 750	1.836,636	2	4 x 11	1,8	2	1

AP-EN

Drive in ground sleeve



Assorted wood connectors

VM-PF

WOOD



CODE	SIZE	€/100	
VMPF050	4 x 50	22,243	200





PT

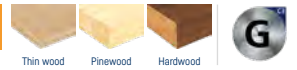
Wood connectors, support

PT-BR

Pre-galvanized, flat tie



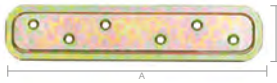
WOOD



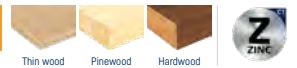
CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	
PTBR10035	95 x 35	111,476	2/12	11/4,5	2,5	50
PTBR13355	135 x 55	243,882	2/20	11/4,5	2,5	50

PT-EM

To be embedded, yellow zinc plated



WOOD



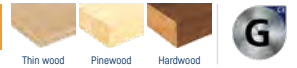
CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	
PTEM18040	180 x 40	285,688	6	4,7	2	20

PT-ET

T-shaped, pre-galvanized



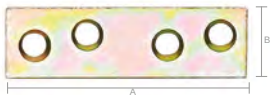
WOOD



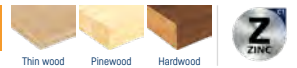
CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	
PTET169845	160 x 98 x 45	1.097,493	4/20	11/4,5	2,5	25

PT-OB

With bevelled-edge holes on both sides, yellow zinc-plated



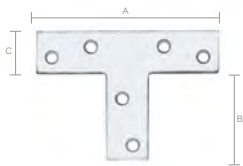
WOOD



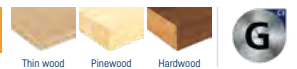
CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	
PTOB05015	50 x 15	48,773	4	4	1,6	100
PTOB06015	60 x 15	55,746	4	4,5	2	100
PTOB08015	80 x 15	62,716	4	4,5	1,8	100
PTOB10015	100 x 15	69,690	4	4,5	1,8	100
PTOB12020	120 x 20	76,616	4	5,5	2	100

PT-TT

T-shaped, pre-galvanized



WOOD



CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	
PTTT030716	35 x 70 x 16	135,420	6	3,8	2	50
PTTT111430	80 x 140 x 30	290,655	6	4,5	2	25

PT-UN

Perforated, pre-galvanized



WOOD



CODE	SIZE	€/100	HOLE NUM	HOLES Ø	THICKNESS	
PTUN12038	120 x 40	118,449	10	11/4,5	2	50
PTUN16038	160 x 40	167,222	12	11/4,5	2	100
PTUN20060	200 x 60	250,889	2/26	11/4,5	2	25
PTUN20080	200 x 80	278,742	2/38	11/4,5	2	25
PTUN24060	240 x 60	334,478	2/32	11/4,5	2	25
PTUN24080	240 x 80	432,052	2/46	11/4,5	2	25

NAILS AND BOLTS





AL

Straight and L head nails

AL-HA

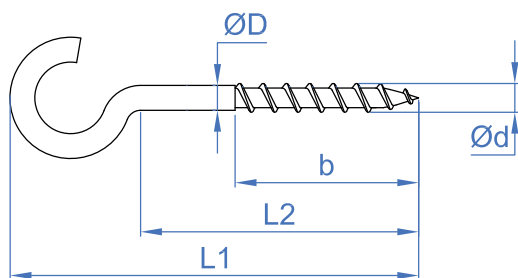
Open steel eye bolt

02
P. 362
Technical
info

MULTI-MATERIAL



CODE	SIZE	€/100	ØD	L1	B	L2	ØD		
ALHA14025	14x25 (2,6 x 18 x 7)	2,839	2,6	18	7	10	2,1	500	22.500
ALHA16030	16x30 (3,1 x 22 x 9)	3,211	3,1	22	9	12	2,4	300	13.500
ALHA17040	17x40 (3,5 x 26 x 10)	4,513	3,5	26	10	14	2,7	300	7.200
ALHA18040	18x40 (4,1 x 29 x 10)	5,093	4,1	29	10	15	3,2	300	7.200
ALHA18050	18x50 (3,7 x 34 x 12)	5,532	3,7	34	12	20	3,2	300	3.600
ALHA19050	19x50 (4,4 x 33 x 12)	7,183	4,4	33	12	18	3,4	200	4.800
ALHA19060	19x60 (4,4 x 39 x 15)	7,728	4,4	39	15	22	3,4	200	4.800
ALHA19070	19x70 (4,4 x 41 x 15)	8,658	4,4	41	15	24	3,4	200	2.400
ALHA20050	20x50 (5 x 35 x 12)	8,367	5	35	12	19	3,9	200	2.400
ALHA20060	20x60 (5 x 39 x 12)	9,463	5	39	12	21	3,9	200	2.400
ALHA20070	20x70 (5 x 44 x 14)	10,143	5	44	14	26	3,9	200	2.400
ALHA20080	20x80 (5 x 50 x 18)	11,361	5	50	18	30	3,9	200	2.400
ALHA21070	21x70 (5,6 x 43 x 14)	12,522	5,6	43	14	23	4,4	200	2.400
ALHA21080	21x80 (5,6 x 48 x 14)	13,689	5,6	48	14	28	4,4	200	2.400
ALHA21090	21x90 (5,6 x 56 x 14)	15,161	5,6	56	14	32	4,4	200	1.200
ALHA21100	21x100 (5,6 x 61 x 18)	16,429	5,6	61	18	37	4,4	100	1.200
ALHA22110	22x110 (6 x 69 x 24)	25,500	6	69	24	43	4,7	100	1.200
ALHA22120	22x120 (6 x 74 x 29)	26,823	6	74	29	48	4,7	50	600
ALHA23130	23x130 (6,3 x 89 x 35)	38,094	6,3	82	35	55	5,2	50	600



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZALHA14025	2,6 x 18 x 7	1,803	25	20
BZALHA16030	3,1 x 22 x 9	1,803	15	20
BZALHA17040	3,5 x 26 x 10	1,803	15	20
BZALHA18040	4,1 x 29 x 10	1,803	15	20
BZALHA18050	3,7 x 34 x 12	1,803	15	20
BZALHA19050	4,4 x 33 x 12	1,803	10	20
BZALHA19060	4,4 x 39 x 15	1,803	10	20
BZALHA19070	4,4 x 41 x 15	1,803	10	20
BZALHA20060	5 x 39 x 12	1,803	8	20
BZALHA20070	5 x 44 x 14	1,803	8	20
BZALHA20080	5 x 50 x 18	1,803	8	20
BZALHA21080	5,6 x 48 x 14	1,803	6	20
BZALHA21090	5,6 x 56 x 14	1,803	6	20
BZALHA21100	5,6 x 61 x 18	1,803	5	15
BZALHA22110	6 x 69 x 24	1,803	2	15
BZALHA22120	6 x 74 x 29	1,803	2	15
BZALHA23130	6,3 x 89 x 35	1,803	2	15



Straight and L head nails

AL

MULTI-MATERIAL



AL-HC

Closed steel eye bolt

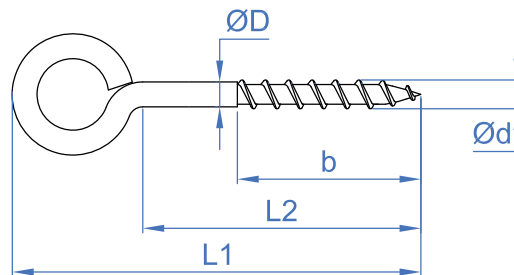

 02
 Technical
 info
 P. 363

CODE	SIZE	€/100	ØD	L1	B	L2	ØD		
ALHC14025	14x25 (2,6 x 18 x 7)	2,839	2,6	18	18	10	2,1	500	22.500
ALHC16030	16x30 (3,1 x 22 x 9)	3,211	3,1	22	22	12	2,4	300	13.500
ALHC17040	17x40 (3,5 x 28 x 10)	4,513	3,5	28	28	14	2,7	300	7.200
ALHC18040	18x40 (4,1 x 30 x 10)	5,093	4,1	30	30	15	3,2	300	7.200
ALHC18050	18x50 (3,7 x 39 x 12)	5,532	3,7	39	39	20	3,2	300	7.200
ALHC19050	19x50 (4,4 x 35 x 12)	7,183	4,4	35	35	18	3,4	200	4.800
ALHC19060	19x60 (4,4 x 42 x 15)	7,728	4,4	42	42	22	3,4	200	4.800
ALHC19070	19x70 (4,4 x 44 x 15)	8,658	4,4	44	44	24	3,4	200	4.800
ALHC20050	20x50 (5 x 39 x 12)	8,367	5	39	39	19	3,9	200	4.800
ALHC20060	20x60 (5 x 41 x 12)	9,463	5	41	41	21	3,9	200	3.200
ALHC20070	20x70 (5 x 48 x 14)	10,143	5	48	48	26	3,9	200	2.400
ALHC20080	20x80 (5 x 54 x 18)	11,361	5	54	54	30	3,9	200	2.400
ALHC21070	21x70 (5,6 x 49 x 14)	12,522	5,6	49	49	23	4,4	200	2.400
ALHC21080	21x80 (5,6 x 54 x 14)	13,689	5,6	54	54	28	4,4	200	2.400
ALHC21090	21x90 (5,6 x 61 x 14)	15,161	5,6	61	61	32	4,4	200	1.200
ALHC21100	21x100 (5,6 x 66 x 18)	16,429	5,6	66	66	37	4,4	100	1.200
ALHC22110	22x110 (6 x 76 x 24)	21,599	6	73	73	43	4,7	100	1.200
ALHC22120	22x120 (6 x 81 x 29)	22,584	6	81	81	48	4,7	50	600
ALHC23130	23x130 (6,3 x 89 x 35)	35,187	6,3	89	89	55	5,2	50	600



Blister

CODE	SIZE	€/BAG	PCS.	BAGS
BZALHC14025	2,6 x 18 x 7	1,803	25	20
BZALHC16030	3,1 x 22 x 9	1,803	15	20
BZALHC17040	3,5 x 28 x 10	1,803	15	20
BZALHC18040	4,1 x 30 x 10	1,803	15	20
BZALHC18050	3,7 x 39 x 12	1,803	15	20
BZALHC19050	4,4 x 35 x 12	1,803	10	20
BZALHC19060	4,4 x 42 x 15	1,803	10	20
BZALHC19070	4,4 x 44 x 15	1,803	10	20
BZALHC20060	5 x 41 x 12	1,803	8	20
BZALHC20070	5 x 48 x 14	1,803	8	20
BZALHC20080	5 x 54 x 18	1,803	8	15
BZALHC21080	5,6 x 54 x 14	1,803	6	15
BZALHC21090	5,6 x 61 x 14	1,803	6	15
BZALHC21100	5,6 x 66 x 18	1,803	4	20
BZALHC22110	6 x 76 x 24	1,803	2	20
BZALHC22120	6 x 81 x 29	1,803	2	20
BZALHC23130	6,3 x 89 x 35	1,803	2	20



BULK SALES SYSTEM

PERSONALIZED IMPLEMENTATION
TO GUARANTEE PROFITABILITY



AL

Straight and L head nails

AL-RO

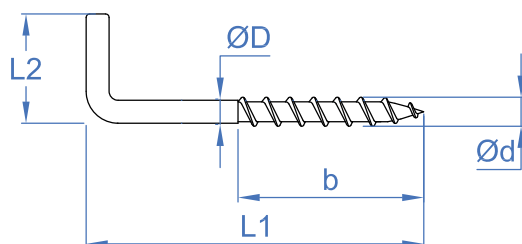
Steel hook bolt, with thread

02
P. 363
Technical
info

MULTI-MATERIAL



CODE	SIZE	€/100	ØD	L1	B	L2	ØD		
ALRO14025	14x25 (2,6 x 17 x 10)	2,839	2,6	17	17	10	2	500	22.500
ALRO16030	16x30 (3,1 x 20 x 10)	3,211	3,1	20	20	10	2,4	300	13.500
ALRO17040	17x40 (3,5 x 29 x 13)	4,513	3,5	29	29	13	2,7	300	7.200
ALRO18040	18x40 (3,7 x 28 x 14)	5,093	3,7	28	28	14	2,9	300	7.200
ALRO18050	18x50 (3,7 x 37 x 15)	5,532	3,7	37	37	15	2,9	300	7.200
ALRO19050	19x50 (4,4 x 37 x 15)	7,183	4,4	37	37	15	3,4	200	4.800
ALRO19060	19x60 (4,4 x 46 x 17)	7,728	4,4	46	46	17	3,4	200	4.800
ALRO19070	19x70 (4,4 x 55 x 18)	8,658	4,4	55	55	18	3,4	200	2.400
ALRO20060	20x60 (5 x 44 x 20)	9,297	5	44	44	20	3,9	200	2.400
ALRO20070	20x70 (5 x 53 x 20)	9,971	5	53	53	20	3,9	200	1.600
ALRO20080	20x80 (5 x 63 x 21)	11,361	5	63	63	21	3,9	200	2.400
ALRO21080	21x80 (5,6 x 60 x 22)	13,689	5,6	60	60	22	4,4	200	2.400
ALRO21090	21x90 (5,6 x 70 x 22)	15,161	5,6	70	70	22	4,4	200	800
ALRO22100	22x100 (6 x 79 x 23)	19,305	6	79	79	23	4,7	100	1.200
ALRO22110	22x110 (6 x 86 x 23)	22,651	6	86	86	23	4,7	100	1.200
ALRO22120	22x120 (6 x 97 x 25)	25,125	6	97	97	25	4,7	50	800
ALRO23130	23x130 (7,8 x 105 x 25)	38,675	7,8	105	105	25	5,8	50	600



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZALRO14025	2,6 x 17 x 10	1,803	25	20
BZALRO16030	3,1 x 20 x 10	1,803	15	20
BZALRO17040	3,5 x 29 x 13	1,803	15	20
BZALRO18040	3,7 x 28 x 14	1,803	15	20
BZALRO18050	3,7 x 37 x 15	1,803	15	20
BZALRO19050	4,4 x 37 x 15	1,803	10	20
BZALRO19060	4,4 x 46 x 17	1,803	10	20
BZALRO19070	4,4 x 55 x 18	1,803	10	20
BZALRO20060	5 x 44 x 20	1,803	8	20
BZALRO20070	5 x 53 x 20	1,803	8	20
BZALRO21080	5,6 x 60 x 22	1,803	6	20
BZALRO21090	5,6 x 70 x 22	1,803	6	20
BZALRO22100	6 x 79 x 23	1,803	4	20
BZALRO22110	6 x 86 x 23	1,803	2	20
BZALRO22120	6 x 97 x 25	1,803	2	20
BZALRO23130	7,8 x 105 x 25	1,803	2	20



Flat head steel nails

PA-CP

MULTI-MATERIAL



Hardwood



Thin wood



Pinewood

Z
ZINC

CODE	SIZE	€/100		
PACP22520	2,25 x 20	0,853	500	22.500
PACP22525	2,25 x 25	1,013	500	22.500
PACP22530	2,25 x 30	1,170	500	12.000
PACP25040	2,50 x 40	1,910	500	12.000
PACP25050	2,50 x 50	1,980	500	6.000
PACP29050	2,90 x 50	2,847	300	3.600
PACP29060	2,90 x 60	3,330	300	3.600
PACP29070	2,90 x 70	3,823	300	2.400
PACP34030	3,40 x 30	2,273	500	4.000
PACP34040	3,40 x 40	2,757	500	6.000
PACP34050	3,40 x 50	4,070	100	4.500
PACP34060	3,40 x 60	4,377	100	2.400
PACP34070	3,40 x 70	4,983	100	2.400
PACP34080	3,40 x 80	5,807	100	1.600



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZPACP22520	2,25 x 20	2,278	50	20
BZPACP22525	2,25 x 25	2,278	50	20
BZPACP22530	2,25 x 30	2,278	50	20
BZPACP25040	2,50 x 40	2,278	35	20
BZPACP25050	2,50 x 50	2,278	30	20
BZPACP29060	2,90 x 60	2,278	20	20
BZPACP29070	2,90 x 70	2,278	20	20
BZPACP34040	3,40 x 40	2,278	20	20
BZPACP34050	3,40 x 50	2,278	10	20
BZPACP34060	3,40 x 60	2,278	10	20
BZPACP34070	3,40 x 70	2,278	10	20

BLISTER



easykits

MACIZOS

METAL

TORNILLERÍA

INDEX

MULTIMATERIAL

22 KITS SOLUCIONES

BLIND RIVETS





RE

Rivets

RE-CA

Aluminium wide head



METAL



CODE	SIZE	€/100	DRILL Ø	MAX. FIXTURE THICKNESS		
RECA4008	4 x 8	5,610	4,1	2 - 4	500	3.000
RECA4010	4 x 10	6,077	4,1	4 - 6	500	3.000
RECA4012	4 x 12	7,164	4,1	6 - 8	250	3.000
RECA4016	4 x 16	8,188	4,1	10 - 12	250	3.000
RECA4810	4,8 x 10	9,197	5	3,5 - 5,5	250	3.000
RECA4812	4,8 x 12	9,197	5	5,5 - 7,5	250	3.000
RECA4814	4,8 x 14	10,482	5	7,5 - 9,5	250	3.000
RECA4816	4,8 x 16	10,985	5	9,5 - 11,5	250	1.500
RECA4818	4,8 x 18	11,958	5	11,5 - 13,5	200	2.400



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZRECA4010	4 x 10	1,803	8	15
BZRECA4012	4 x 12	1,803	8	15
BZRECA4016	4 x 16	1,803	8	15
BZRECA4810	4,8 x 10	1,803	8	15
BZRECA4812	4,8 x 12	1,803	8	15
BZRECA4814	4,8 x 14	1,803	8	15
BZRECA4816	4,8 x 16	1,803	8	15
BZRECA4818	4,8 x 18	1,803	5	15



Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VRECA4010	4 x 10	4,026	50	8
VRECA4012	4 x 12	3,386	35	8
VRECA4016	4 x 16	3,794	35	8
VRECA4810	4,8 x 10	3,104	25	8
VRECA4812	4,8 x 12	3,104	25	8
VRECA4814	4,8 x 14	3,539	25	8
VRECA4816	4,8 x 16	3,709	25	8
VRECA4818	4,8 x 18	3,227	20	8

RE-BL

Dome head, white



METAL



CODE	SIZE	€/100	DRILL Ø	MAX. FIXTURE THICKNESS		
RENO3208BL	3,2 x 8	7,233	3,3	3,5 - 5	500	6.000
RENO3210BL	3,2 x 10	7,647	3,3	5 - 7	500	6.000
RENO3212BL	3,2 x 12	8,023	3,3	7 - 9	500	6.000
RENO4008BL	4 x 8	8,817	4,1	3 - 5	500	6.000
RENO4010BL	4 x 10	9,537	4,1	5 - 6,5	500	6.000
RENO4012BL	4 x 12	9,883	4,1	6,5 - 8,5	500	6.000
RENO4014BL	4 x 14	10,867	4,1	8,5 - 10,5	500	3.000
RENO4810BL	4,8 x 10	13,060	4,9	4 - 6	500	3.000
RENO4812BL	4,8 x 12	13,737	4,9	6 - 8	500	3.000
RENO4814BL	4,8 x 14	14,987	4,9	8 - 10	250	3.000
RENO4816BL	4,8 x 16	15,597	4,9	10 - 12	250	3.000

RE-NE

Dome head, black



METAL



CODE	SIZE	€/100	DRILL Ø	MAX. FIXTURE THICKNESS		
RENO3208NE	3,2 x 8	7,233	3,3	3,5 - 5	500	6.000
RENO3210NE	3,2 x 10	7,647	3,3	5 - 7	500	6.000
RENO3212NE	3,2 x 12	8,023	3,3	7 - 9	500	6.000
RENO4008NE	4 x 8	8,817	4,1	3 - 5	500	6.000
RENO4010NE	4 x 10	9,537	4,1	5 - 6,5	500	6.000
RENO4012NE	4 x 12	9,883	4	6,5 - 8,5	500	6.000
RENO4014NE	4 x 14	10,867	4,1	8,5 - 10,5	500	3.000
RENO4810NE	4,8 x 10	13,060	4,9	4 - 6	500	3.000
RENO4812NE	4,8 x 12	13,737	4,9	6 - 8	500	3.000
RENO4814NE	4,8 x 14	14,987	4,9	8 - 10	250	3.000
RENO4816NE	4,8 x 16	15,597	4,9	10 - 12	250	3.000



Rivets

RE

METAL



RE-NO

Aluminium standard dome head



CODE	SIZE	€/100	DRILL Ø	MAX. FIXTURE THICKNESS		
RENO3206	3,2 x 6	3,100	3,3	1 – 3	500	6.000
RENO3208	3,2 x 8	3,293	3,3	3 – 5	500	6.000
RENO3210	3,2 x 10	3,633	3,3	5 – 7	500	6.000
RENO3212	3,2 x 12	3,897	3,3	7 – 9	500	6.000
RENO3214	3,2 x 14	4,233	3,3	9 – 11	500	6.000
RENO3216	3,2 x 16	4,690	3,3	11 – 13	500	6.000
RENO3218	3,2 x 18	5,420	3,3	13 – 15	500	6.000
RENO4006	4 x 6	3,437	4,1	0,5 – 2	500	6.000
RENO4008	4 x 8	3,700	4,1	2 – 4	500	6.000
RENO4010	4 x 10	4,273	4,1	4 – 6	500	6.000
RENO4012	4 x 12	4,667	4,1	6 – 8	500	6.000
RENO4014	4 x 14	5,270	4,1	8 – 10	500	3.000
RENO4016	4 x 16	5,500	4,1	10 – 12	500	3.000
RENO4018	4 x 18	5,880	4,1	12 – 14	500	3.000
RENO4020	4 x 20	6,073	4,1	14 – 16	500	3.000
RENO4025	4 x 25	7,907	4,1	16 – 18	250	3.000
RENO4030	4 x 30	9,203	4,1	23 – 16	250	3.000
RENO4035	4 x 35	11,537	4,1	26 – 30	250	3.000
RENO4806	4,8 x 6	4,503	5	0,5 – 1,5	500	6.000
RENO4808	4,8 x 8	5,417	5	1,5 – 3,5	500	3.000
RENO4810	4,8 x 10	5,580	5	3,5 – 5,5	500	3.000
RENO4812	4,8 x 12	5,880	5	5,5 – 7,5	500	3.000
RENO4814	4,8 x 14	6,727	5	7,5 – 9,5	250	3.000
RENO4816	4,8 x 16	7,300	5	9,5 – 11,5	250	3.000
RENO4818	4,8 x 18	8,330	5	11,5 – 13,5	250	3.000
RENO4820	4,8 x 20	8,970	5	13,5 – 15	250	3.000
RENO4822	4,8 x 22	9,853	5	15 – 17	200	2.400
RENO4824	4,8 x 24	10,003	5	17 – 19	200	2.400
RENO4826	4,8 x 26	10,740	5	19 – 21	200	2.400
RENO4828	4,8 x 28	11,423	5	21 – 23	200	2.400
RENO4830	4,8 x 30	12,063	5	23 – 25	200	2.400
RENO4835	4,8 x 35	13,260	5	25 – 30	150	1.800
RENO6008	6 x 8	12,410	6,1	1 – 2	250	3.000
RENO6010	6 x 10	11,687	6,1	2 – 4	250	3.000
RENO6012	6 x 12	12,000	6,1	3 – 6	250	3.000
RENO6018	6 x 18	13,670	6,1	6 – 10	200	1.200
RENO6025	6 x 25	16,843	6,1	10 – 12	200	1.200
RENO6016	6 x 16	13,143	6,1	15 – 19	250	1.500



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZRENO3208	3,2 x 8	1,803	15	20
BZRENO3210	3,2 x 10	1,803	15	20
BZRENO4008	4 x 8	1,803	15	20
BZRENO4010	4 x 10	1,803	15	20
BZRENO4012	4 x 12	1,803	15	20
BZRENO4016	4 x 16	1,803	15	20
BZRENO4810	4,8 x 10	1,803	15	20
BZRENO4812	4,8 x 12	1,803	15	20
BZRENO4816	4,8 x 16	1,803	8	20
BZRENO4820	4,8 x 20	1,803	8	20
BZRENO4824	4,8 x 24	1,803	8	20



Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VRENO3206	3,2 x 6	2,113	50	8
VRENO3208	3,2 x 8	2,243	50	8
VRENO3210	3,2 x 10	2,477	50	8
VRENO3212	3,2 x 12	2,653	50	8
VRENO3214	3,2 x 14	2,887	50	8
VRENO3218	3,2 x 18	3,657	50	8
VRENO4006	4 x 6	2,323	50	8
VRENO4008	4 x 8	2,497	50	8
VRENO4010	4 x 10	2,887	50	8
VRENO4012	4 x 12	3,150	50	8
VRENO4014	4 x 14	3,560	50	8
VRENO4016	4 x 16	3,713	50	8
VRENO4018	4 x 18	3,967	50	8
VRENO4020	4 x 20	4,100	50	8
VRENO4808	4,8 x 8	3,657	50	8
VRENO4810	4,8 x 10	3,767	50	8
VRENO4812	4,8 x 12	3,967	50	8
VRENO4814	4,8 x 14	4,540	50	8
VRENO4816	4,8 x 16	4,927	50	8
VRENO4818	4,8 x 18	5,623	50	8
VRENO4820	4,8 x 20	6,057	50	8
VRENO4822	4,8 x 22	3,327	25	8
VRENO4824	4,8 x 24	3,377	25	8
VRENO4830	4,8 x 30	4,073	25	8
VRENO4835	4,8 x 35	4,477	25	8

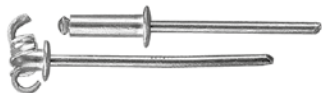


RE

Rivets

RE-FL

Aluminium peel dome head



METAL



CODE	SIZE	€/100	DRILL Ø	MAX. FIXTURE THICKNESS		
REFL4012	4 x 12,1	8,607	4,1	4 – 6,5	500	6.000
REFL4014	4 x 13,9	9,747	4,1	6 – 9	500	3.000
REFL4016	4 x 15,7	10,217	4,1	8 – 11	500	3.000
REFL4018	4 x 17,4	10,603	4,1	10 – 13	500	3.000
REFL4020	4 x 19,2	11,147	4,1	12 – 15	500	3.000
REFL4814	4,8 x 14,5	13,199	5	4 – 8	250	3.000
REFL4816	4,8 x 16,3	13,953	5	6 – 10	250	3.000
REFL4830	4,8 x 30	21,473	5	19 – 24	200	1.200
REFL4835	4,8 x 35	24,867	5	24 – 29	150	1.800
REFL4840	4,8 x 40	28,800	5	29 – 34	150	1.800
REFL4845	4,8 x 45	34,923	5	-	150	900
REFL4850	4,8 x 50	38,153	5	-	150	900
REFL4818	4,8 x 18	15,857	5	8 – 12	250	3.000
REFL4824	4,8 x 24	18,710	5	15 - 18	200	2.400
REFL4025	4 x 25	14,293	4,1	15 - 20	250	3.000



Blister

CODE	SIZE	€/BAG	PCS. 	BAGS
BZREFL4835	4,8 x 35	1,803	5	20



Window Box

CODE	SIZE	€/BOX	PCS. 	BOXES
VREFL4835	4,8 x 35	8,393	25	8

RE-IN

Stainless steel A2, dome head



METAL



CODE	SIZE	€/100	DRILL Ø	MAX. FIXTURE THICKNESS		
REIN3206	3,2 x 6,4	16,643	3,3	0,5 – 3	500	6.000
REIN3208	3,2 x 8	17,807	3,3	3 – 5	500	6.000
REIN3212	3,2 x 12,7	26,237	3,3	6,5 – 8,5	500	6.000
REIN3215	3,2 x 15,9	31,700	3,3	10,5 – 12,5	500	6.000
REIN4008	4 x 8,5	29,887	4,1	2,5 – 4,5	500	6.000
REIN4010	4 x 10,2	31,807	4,1	4,5 – 6,5	500	6.000
REIN4012	4 x 12	36,043	4,1	6,5 – 8,5	500	6.000
REIN4016	4 x 16	43,643	4,1	10 – 12	500	3.000
REIN4810	4,8 x 10,8	43,970	5	4 – 6	500	3.000
REIN4812	4,8 x 12	48,060	5	6 – 8	500	3.000
REIN4816	4,8 x 16	59,090	5	8 – 11	250	3.000
REIN4820	4,8 x 20,3	82,910	5	11 – 13	250	3.000
REIN4818	4,8 x 18	63,180	5	13 – 15	250	3.000



Rivets

RM

METAL

CODE	€/PC	SUITABLE FOR ALUMINIUM	SUITABLE FOR STEEL	SUITABLE FOR STAINLESS STEEL	
RMMA01	22,963	Ø2,4 Ø3,2 Ø4,0 Ø4,8	Ø2,4 Ø3,2 Ø4,0	-	1

RM-MA

Hand tool for blind rivets

0,524
Kg

METAL

CODE	€/PC	SUITABLE FOR ALUMINIUM	SUITABLE FOR STEEL	SUITABLE FOR STAINLESS STEEL	
RMPA01	163,750	Ø3,2 Ø4,0 Ø4,8 Ø6,0 Ø6,4	Ø3,2 Ø4,0 Ø4,8 Ø6,0 Ø6,4	Ø3,2 Ø4,0 Ø4,8 Ø6,0 Ø6,4	1

RM-PA

Long arm riveter

1,865
Kg

METAL

CODE	€/PC	SUITABLE FOR ALUMINIUM	SUITABLE FOR STEEL	SUITABLE FOR STAINLESS STEEL	
RMEX01	152,500	Ø3,2 Ø4,0 Ø4,8 Ø6,0 Ø6,4	Ø3,2 Ø4,0 Ø4,8 Ø6,0 Ø6,4	Ø3,2 Ø4,0 Ø4,8 Ø6,0 Ø6,4	1

RM-EX

Lazy tong riveter

1,936
Kg



TR

Blind rivet nuts

TR-AV

Countersunk head



METAL



CODE	SIZE	€/100		
TRAV0411	M4 x 11	15,927	500	12.000
TRAV0513	M5 x 13	17,087	500	6.000
TRAV0616	M6 x 16	21,350	500	3.000
TRAV0819	M8 x 19	24,987	250	3.000
TRAV1021	M10 x 21	38,087	250	1.500

TR-CA

Flat head



METAL



CODE	SIZE	€/100		
TRCA0310	M3 x 10	11,097	500	12.000
TRCA0410	M4 x 10	23,127	500	12.000
TRCA0411	M4 x 11	23,127	500	12.000
TRCA0512	M5 x 12	24,837	500	12.000
TRCA0515	M5 x 15	24,837	500	6.000
TRCA0614	M6 x 14	31,143	250	3.000
TRCA0616	M6 x 16	31,143	250	3.000
TRCA0816	M8 x 16	23,057	250	3.000
TRCA0818	M8 x 18	23,853	250	1.500
TRCA1017	M10 x 17	38,093	250	1.500
TRCA1022	M10 x 22	39,430	250	1.500
TRCA1223	M12 x 23	63,853	250	1.000

TR-CR

Reduced head



METAL



CODE	SIZE	€/100		
TRCR0410	M4 x 10	23,107	500	12.000
TRCR0511	M5 x 11	23,350	500	12.000
TRCR0614	M6 x 14	29,237	250	6.000
TRCR0815	M8 x 15	34,037	250	3.000
TRCR1019	M10 x 19	34,133	250	1.500



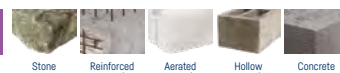
DRILL BITS + FENCE PARTS

B-HDS

SDS-plus drill bits. High quality



SOLID



CODE	SIZE	€/PC	MIN. ORDER QTY.		
BHDS06110	Ø6 x 110	19,823	2	1	50
BHDS06160	Ø6 x 160	20,283	2	1	100
BHDS06210	Ø6 x 210	21,740	2	1	150
BHDS08110	Ø8 x 110	20,283	2	1	50
BHDS08160	Ø8 x 160	21,200	2	1	100
BHDS08210	Ø8 x 210	22,200	2	1	150
BHDS10160	Ø10 x 160	22,690	2	1	100
BHDS10210	Ø10 x 210	25,783	2	1	150
BHDS12160	Ø12 x 160	25,363	2	1	100
BHDS12210	Ø12 x 210	27,767	2	1	150
BHDS16210	Ø16 x 210	42,893	2	1	150
BHDS16310	Ø16 x 260	44,543	2	1	200

CM

Fencing hardware

CM-BP

Clamp post



METAL



CODE	SIZE	€/100	
CMBRPOS33	33	114,273	250
CMBRPOS40	40	118,167	200
CMBRPOS42	42	120,057	200
CMBRPOS48	48	124,217	200
CMBRPOS50	50	126,063	200
CMBRPOS60	60	132,257	150

CM-BT

Tightening clamp



METAL



CODE	SIZE	€/100	
CMBRTEN48	48	223,817	200

CM-TA

Stopper



METAL



CODE	SIZE	€/100	
CMTAPON33	33	54,883	500
CMTAPON40	40	60,250	350
CMTAPON42	42	62,560	350
CMTAPON48	48	69,510	300
CMTAPON50	50	75,362	250
CMTAPON60	60	85,847	250



Fencing hardware

CM

METAL



CODE	SIZE	€/100	
CMTENSOAL	85 x 29,5	91,060	250

CM-TENSO

Wire tightener



METAL



CODE	SIZE	€/100	
CMTENSOVE	85 x 29,5	148,430	250

CM-TENSOVE

Green wire tightener



METAL



CODE	SIZE	€/100	
CMTAPOS33	33	148,293	100
CMTAPOS40	40	155,620	200
CMTAPOS42	42	156,073	200
CMTAPOS48	48	171,990	150

CM-TP

Post stopper



METAL



CODE	SIZE	€/100	
CMTENSOTO	Tornillo	89,093	450

CM-TT

Wire tightening screw



METAL



CODE	SIZE	€/100	
CMUNAAGUJ	Con agujero	16,667	1.500

CM-UN

Fastener





Cross-selling trips

Product for specific locations to “hook” customers. Cross-selling consists of placing complementary products together on the sales floor.

ADVANTAGES:

- Encourages self-service on the sales floor.
- Increases impulse buys and maximizes cross-selling of products.
- Creates value for the end customer.
- New product which sets itself apart from our competitors.



EASYKITS



easykits

Fijaciones techo gancho
Hook ceiling fixings
Fixations pour plafond crochet

Macizo | Solid | Solide

INDEX
FIXING SYSTEMS

easykits

Fijaciones techo ligeras
Light ceiling fixings
Fixations pour plafond léger

25kg

INDEX
FIXING SYSTEMS

easykits

Pequeñas fijaciones
Light fixings
Fixations légères

Multimaterial | Multimateriaux
Cargas ligeras
Light loads
Charges légères
80kg 18kg



easykits

Lavabos
Washbassins | Lavabos

Multimaterial
Multimaterial | Multimateriaux

Cargas medias
Medium loads
Charges moyennes

INDEX
FIXING SYSTEMS

easykits

Fijaciones techo pesadas
Heavy ceiling fixing
Fixations pour plafond lourd

Macizo | Solid | Solide
185kg Cargas altas
Heavy loads
Charges élevées

INDEX
FIXING SYSTEMS



INDEX
FIXING SYSTEMS

Cargas altas
Heavy loads
Charges élevées
35kg

easykits

Fijaciones accesorios pesados
Heavy accessories fixings
Fixations accessoires lourds

Multimaterial | Multimateriaux
120kg 40kg
Macizo Solid Solide
Hoyo Hollow Creux

Cargas altas
Heavy loads
Charges élevées

INDEX
FIXING SYSTEMS



easykits

Fijaciones techo ligeras
Light ceiling fixings
Fixations pour plafond léger

Macizo | Solid | Solide

90kg Cargas ligeras
Light loads
Charges légères

INDEX
FIXING SYSTEMS



easykits

Fijaciones accesorios exterior
Outdoor accessories fixings
Fixations accessoires extérieurs

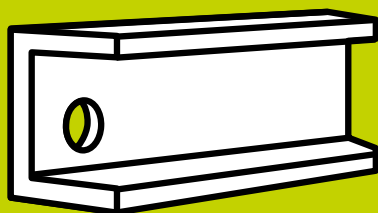
Multimaterial | Multimateriaux
20kg 10kg
Macizo Solid Solide
Hoyo Hollow Creux

Cargas medias
Medium loads
Charges moyennes

INDEX
FIXING SYSTEMS

EKMULCAN

Cable racks

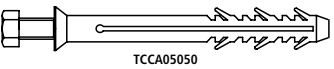


32kg
Solid

20kg
Hollow

Light loads

Multimaterial

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
8	 TCCA05050	5 x 50	12	4,896
1	 FREE	5 x 85		

EKMULFAE

Fixings for outdoor accessories



90kg
Solid

20kg
Hollow

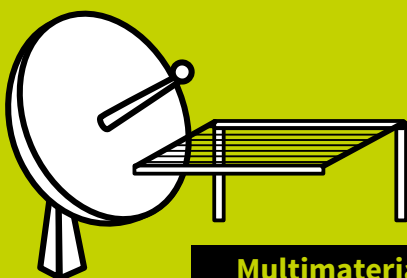
Medium loads

Multimaterial

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TN4506	ø 6	12	4,896
4	 TPA240050	INOX A2 4 x 50		
1	 FREE	6 x 100		

EKMULTEN

Cloths line – Satellite dishes – AC

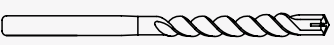


120kg
Solid

40kg
Hollow

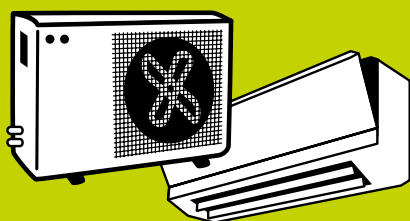
Medium loads

Multimaterial

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TN4508	ø 8	12	6,936
4	 TBA206050	INOX A2 6 x 50		
4	 125IM06	M6		
1	 FREE	8 x 120		

EKMULAC

Air-conditioning devices



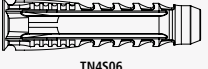
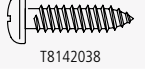
200kg
Solid

41kg
Hollow

Heavy loads

Multimaterial



UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TNUXE10080	10 x 80	12	4,903
4	 TN4506	ø6		
4	 D12505	M5		
4	 T8142038	4,2 x 38		

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TNUXE08080	8 x 80	12	6,936
1	 FREE	8 x 120		

EKMULTOL

Awnings

200kg

Solid

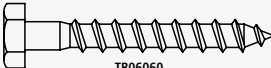
41kg

Hollow

Heavy loads



Multimaterial

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
2	 TN4S10	ø 10	12	6,936
2	 TB06060	6 x 60		
2	 ALRO22100	6 x 79		
1	 FREE	10 x 120		

EKMULCAL

Boilers - Heaters

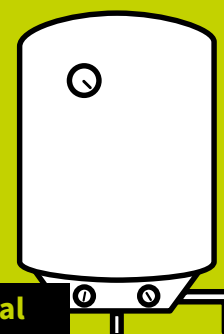
190kg

Solid

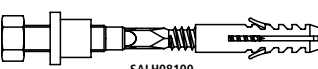
60kg

Hollow

Heavy loads



Multimaterial

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
2	 SALH08100	8 x 100	12	6,936
1	 FREE	8 x 120		

EKMULAV08

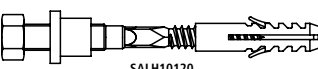
M8

Washbasins

Medium loads



Multimaterial

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
2	 SALH10120	10 x 120	12	10,404
1	 FREE	10 x 120		

EKMULAV10

M10

Washbasins

Medium loads



Multimaterial

EKMULCIS

Tanks WC



Medium loads

Multimaterial

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
2	 SAC106080	6 x 80	12	10,404

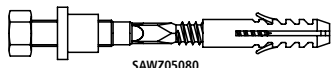
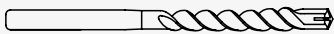
EKMULWCB

WC - Bidets



Medium loads

Multimaterial

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
2	 SAWZ05080	5 x 80	12	6,936
1	 FREE	8 x 120		

EKMULRAD

Radiators



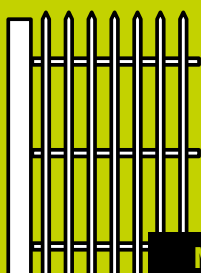
Medium loads

Multimaterial

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
2	 RATR095	95	12	13,005
1	 FREE	8 x 120		

EKMULROB

Anti theft

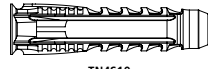


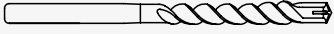
190kg
Solid

60kg
Hollow

Heavy loads

Multimaterial

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TN4510	ø 10	12	6,936
4	 INVN7070	6 x 60		
1	 FREE	10 x 120		

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TN4506	ø 6	12	4,896
4	 TPPOZ40045	4 x 45		
4	 ALRO18050	4,1 x 37		
1	 FREE	6 x 100		

EKMACILU

Lighting - Frames

190kg
Solid

Heavy loads

Solid

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TAPLANIY	ø 6	12	4,896
4	 TPPOZ45045	4 x 45		
4	 ALRO19050	4,4 x 37		

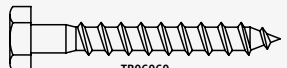
EKHUEILU

Lighting - Frames

10kg
Hollow

Light loads

Hollow

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TN4510	ø 10	12	6,936
4	 TB06060	6 x 60		
4	 M6	M6		
1	 FREE	10 x 120		

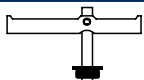
EKMACFTP

Heavy ceiling fixing

185kg
Solid

Heavy loads

Solid

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 BAESM06	M6	12	6,936

EKHUEFTP

Heavy ceiling fixing

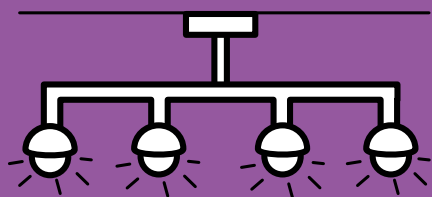
35kg
Hollow

Light loads

Hollow

EKMACFTL

Light ceiling fixings



90kg
Solid

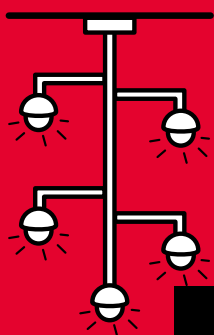
Light loads

Solid

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TN4506	ø 6	12	4,896
4	 TPPOZ40040	4 x 40		
1	 FREE	6 x 100		

EKHUEFTL

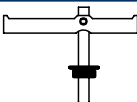
Light ceiling fixings



25kg
Hollow

Light loads

Hollow

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
2	 BAESM04	M4	12	4,896

EKMACFTG

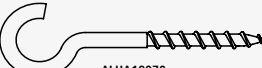
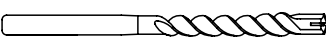
Hook ceiling fixings



90kg
Solid

Medium loads

Solid

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TN4506	ø 6	12	4,896
4	 ALHA19070	4 x 40		
1	 FREE	6 x 100		

EKHUEFTG

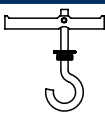
Hook ceiling fixings

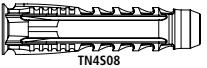


35kg
Hollow

Medium loads

Hollow

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
2	 BAGAM06	M6	12	4,896

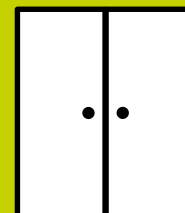
UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TN4508	ø 8	12	6,936
4	 TPPOZ5050	5 x 50		
4	 ALRO19050	4,4 x 37		
1	 FREE	8 x 120		

EKMULFAP

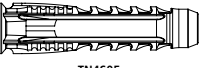
Fixings for heavy accessories

120kg
Solid40kg
Hollow

Heavy loads



Multimaterial

UNITS	CONTENT	SIZE	MINIMUM UNITS SALE	€/BAG
4	 TN4505	ø 5	12	4,896
4	 TPPOZ35030	3,5 x 50		
4	 ALRO17040	3,5 x 27		
1	 FREE	5 x 85		

EKMULFAL

Light fixings

80kg
Solid18kg
Hollow

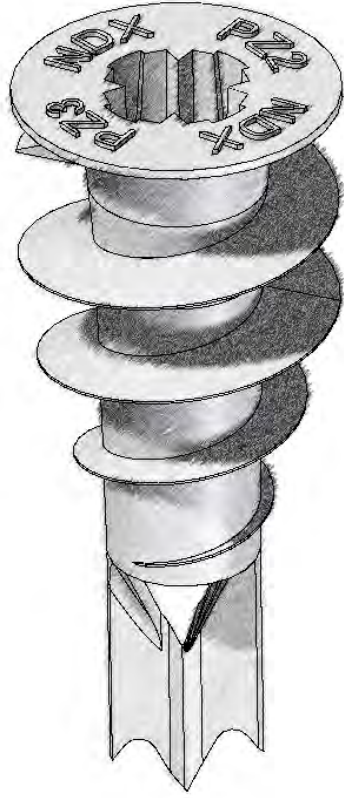
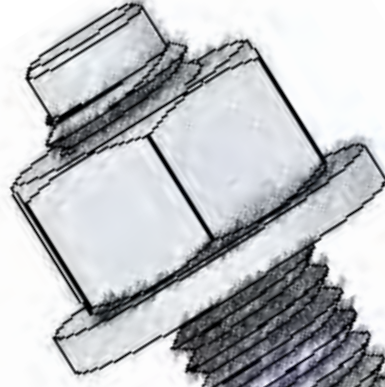
Heavy loads



Multimaterial

Everything you need to fix an element **in one kit!**

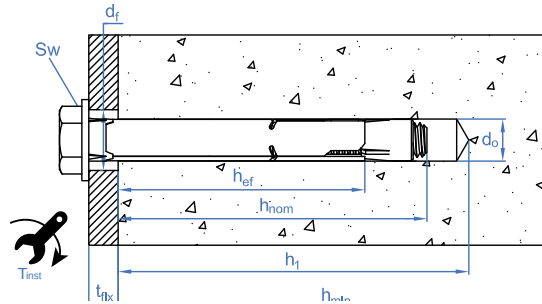




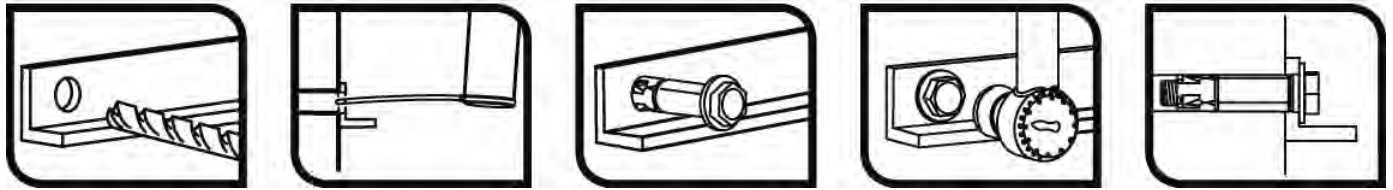
TECHNICAL INFORMATION

CH

Anti-spin sleeve anchor , for medium loads



APPLICATION MODE



CH-TO

Hexagonal head screw 6.8. Option 7 ETA Assessed.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHT08C	M6 x 45	M6	45	8	45	100	9	39	5	10	41	41	10	267	351
ACHT08L	M6 x 60	M6	60	8	45	100	9	39	20	10	41	41	10	267	351
ACHT09C	M6 x 45	M6	45	9	45	100	10	39	5	10	41	41	10	267	351
ACHT09L	M6 x 60	M6	60	9	45	100	10	39	20	10	41	41	10	267	351
ACHT10C	M8 x 60	M8	60	10	60	100	12	51	5	20	54	54	13	485	620
ACHT10L	M8 x 80	M8	80	10	60	100	12	51	27	20	54	54	13	485	620
ACHT11C	M8 x 60	M8	60	11	60	100	13	51	5	20	54	54	13	485	620
ACHT11L	M8 x 80	M8	80	11	60	100	13	51	27	20	54	54	13	485	620
ACHT12C	M10 x 70	M10	70	12	75	100	14	65	5	35	65	65	17	679	815
ACHT12L	M10 x 100	M10	100	12	75	100	14	65	32	35	65	65	17	679	815
ACHT14C	M10 x 70	M10	70	14	75	100	16	65	5	35	65	65	17	679	815
ACHT14L	M10 x 100	M10	100	14	75	100	16	65	32	35	65	65	17	679	815
ACHT16C	M12 x 80	M12	80	16	80	110	18	70	5	50	74	74	19	833	1000
ACHT16L	M12 x 110	M12	110	16	80	110	18	70	37	50	74	74	19	833	1000
ACHT20C	M16 x 110	M16	110	20	105	145	22	92	15	140	97	97	24	1498	2744
ACHT25C	M20 x 130	M20	130	25	130	160	27	102	25	120	120	240	30	1462	3508

CH-A2

IStainless steel A2

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHTA208C	M6 x 45	M6	45	8	45	100	9	39	5	10	41	41	10	267	351
ACHTA208L	M6 x 60	M6	60	8	45	100	9	39	20	10	41	41	10	267	351
ACHTA209C	M6 x 45	M6	45	9	45	100	10	39	5	10	41	41	10	267	351
ACHTA209L	M6 x 60	M6	60	9	45	100	10	39	20	10	41	41	10	267	351
ACHTA210C	M8 x 60	M8	60	10	60	100	12	51	5	20	54	54	13	485	620
ACHTA210L	M8 x 80	M8	80	10	60	100	12	51	27	20	54	54	13	485	620
ACHTA211C	M8 x 60	M8	60	11	60	100	13	51	5	20	54	54	13	485	620
ACHTA211L	M8 x 80	M8	80	11	60	100	13	51	27	20	54	54	13	485	620
ACHTA212C	M10 x 70	M10	70	12	75	100	14	65	5	35	65	65	17	679	815
ACHTA212L	M10 x 100	M10	100	12	75	100	14	65	32	35	65	65	17	679	815
ACHTA214C	M10 x 70	M10	70	14	75	100	16	65	5	35	65	65	17	679	815
ACHTA214L	M10 x 100	M10	100	14	75	100	16	65	32	35	65	65	17	679	815
ACHTA216C	M12 x 80	M12	80	16	80	110	18	70	5	50	74	74	19	833	1000
ACHTA216L	M12 x 110	M12	110	16	80	110	18	70	37	50	74	74	19	833	1000
ACHTA220C	M16 x 110	M16	110	20	105	145	22	92	15	140	97	97	24	1498	2744

CH-8.8

Hexagonal head screw 8.8 Option 7 ETA Assessed.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHT8808C	M6 x 45	M6	45	8	45	100	9	39	5	10	41	41	10	267	351
ACHT8808L	M6 x 60	M6	60	8	45	100	9	39	20	10	41	41	10	267	351
ACHT8810C	M8 x 60	M8	60	10	60	100	12	51	5	20	54	54	13	485	620
ACHT8810L	M8 x 80	M8	80	10	6	100	12	51	27	20	54	54	13	485	620
ACHT8812C	M10 x 70	M10	70	12	75	100	14	65	5	35	65	65	17	679	815
ACHT8812L	M10 x 100	M10	100	12	75	100	14	65	32	35	65	65	17	679	815

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHT8816C	M12 x 80	M12	80	16	80	110	18	70	5	50	74	74	19	833	1000
ACHT8816L	M12 x 110	M12	110	16	80	110	18	70	37	50	74	74	19	833	1000
ACHT8820C	M16 x 110	M16	110	20	105	145	22	92	15	140	97	97	24	1498	2744

CH-8.8 E

Hexagonal head screw 8.8 for reduced thicknesses

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHT8808E	M6 x 40	M6	40	8	40	70	9	32	5	10	41	54	10	215	362
ACHT8810E	M8 x 40	M8	40	10	45	70	12	37	5	20	41	54	13	280	362

CH-PL

Flat head screw. Option 7 ETA Assessed

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHTPL08C	M6 x 45	M6	45	8	45	100	9	39	5	10	41	41	4	267	351
ACHTPL08L	M6 x 60	M6	60	8	45	100	9	39	20	10	41	41	4	267	351
ACHTPL10C	M8 x 60	M8	60	10	60	100	12	51	5	20	54	54	5	485	620
ACHTPL10L	M8 x 80	M8	80	10	60	100	12	51	27	20	54	54	5	485	620
ACHTPL12C	M10 x 70	M10	70	12	75	100	14	65	5	35	65	65	6	679	815
ACHTPL12L	M10 x 100	M10	100	12	75	100	14	65	32	35	65	65	6	679	815

CH-PI

Stainless steel A2 flat head screw

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHTPI08C	M6 x 45	M6	45	8	45	100	9	39	5	10	41	41	4	267	351
ACHTPI08L	M6 x 60	M6	60	8	45	100	9	39	20	10	41	41	4	267	351
ACHTPI10C	M8 x 60	M8	60	10	60	100	12	51	5	20	54	54	5	485	620
ACHTPI10L	M8 x 80	M8	80	10	60	105	12	51	27	20	54	54	5	485	620
ACHTPI12C	M10 x 70	M10	70	12	75	100	14	65	5	35	65	65	6	679	815
ACHTPI12L	M10 x 100	M10	100	12	75	110	14	65	32	35	65	65	6	679	815

CH-ES

Projecting bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHE08C	M6 x 45	M6	45	8	45	100	9	39	5	10	41	41	10	303	211
ACHE09C	M6 x 45	M6	45	9	45	100	10	39	5	10	41	41	10	303	211
ACHE10C	M8 x 60	M8	60	10	60	100	12	51	5	20	54	54	13	384	384
ACHE10L	M8 x 80	M8	80	10	60	105	12	51	27	20	54	54	13	516	384
ACHE11C	M8 x 60	M8	60	11	60	100	13	51	5	20	54	54	13	384	384
ACHE11L	M8 x 80	M8	80	11	60	105	13	51	27	20	54	54	13	516	384
ACHE12C	M10 x 70	M10	70	12	75	100	14	65	5	35	65	65	17	514	608
ACHE12L	M10 x 100	M10	100	12	75	110	14	65	32	35	65	65	17	678	608
ACHE14C	M10 x 70	M10	70	14	75	100	16	65	5	35	65	65	17	514	608
ACHE14L	M10 x 100	M10	100	14	75	100	16	65	32	35	65	65	17	678	608

CH-GA

Hook bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	APERTURE HOOK	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHG08C	M6 x 45	M6	45	8	45	100	9	39	-	10	41	41	10	10	73	-
ACHG09C	M6 x 45	M6	45	9	45	100	10	39	-	10	41	41	10	10	73	-
ACHG10C	M8 x 60	M8	60	10	60	100	12	51	-	20	54	54	13	13	146	-
ACHG11C	M8 x 60	M8	60	11	60	100	13	51	-	20	54	54	13	13	146	-
ACHG12C	M10 x 70	M10	70	12	75	100	14	65	-	35	65	65	17	14	243	-
ACHG14C	M10 x 70	M10	70	14	75	100	16	65	-	35	65	65	17	14	243	-
ACHG16C	M12 x 80	M12	80	16	80	110	18	70	-	50	74	74	19	22	291	-

CH-AR

Eye bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	EYE BOLT Ø	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHA08C	M6 x 45	M6	45	8	45	100	9	39	-	10	41	41	10	10	73	-
ACHA09C	M6 x 45	M6	45	9	45	100	10	39	-	10	41	41	10	10	73	-
ACHA10C	M8 x 60	M8	60	10	60	100	12	51	-	20	54	54	13	13	146	-
ACHA11C	M8 x 60	M8	60	11	60	100	13	51	-	20	54	54	13	13	146	-
ACHA12C	M10 x 70	M10	70	12	75	100	14	65	-	35	65	65	17	14	243	-
ACHA14C	M10 x 70	M10	70	14	75	100	16	65	-	35	65	65	17	14	243	-
ACHA16C	M12 x 80	M12	80	16	80	110	18	70	-	50	74	74	19	22	291	-

CH-INB

Zinc-plated tamperproof head. Option 7 ETA Assessed.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHINB08C	M6 x 45	M6	45	8	45	100	9	39	5	10	41	41	T40	267	351
ACHINB08L	M6 x 60	M6	60	8	45	100	9	39	20	10	41	41	T40	267	351
ACHINB10C	M8 x 60	M8	60	10	60	100	12	51	5	20	54	54	T40	485	620
ACHINB10L	M8 x 80	M8	80	10	60	100	12	51	27	20	54	54	T40	485	620

CH-INN

Black zinc-plated tamperproof head. Option 7 ETA Assessed.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHINN08C	M6 x 45	M6	45	8	45	100	9	39	5	10	41	41	T40	267	351
ACHINN08L	M6 x 60	M6	60	8	45	100	9	39	20	10	41	41	T40	267	351
ACHINN10C	M8 x 60	M8	60	10	60	100	12	51	5	20	54	54	T40	485	620
ACHINN10L	M8 x 80	M8	80	10	60	100	12	51	27	20	54	54	T40	485	620

CH-AF

Forged eye bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	EYE BOLT Ø	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHAF008C	M6 x 45	M6	45	8	45	100	9	39	-	10	41	41	10	10	204	-
ACHAF010C	M8 x 60	M8	60	10	60	100	12	51	-	20	54	54	13	12	384	-
ACHAF012C	M10 x 70	M10	70	12	75	100	14	65	-	35	65	65	17	14	514	-

CH-GF

Forged hook bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	APERTURE HOOK	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHGF008C	M6 x 45	M6	45	8	45	100	9	39	-	10	41	41	10	10	80	-
ACHGF010C	M8 x 60	M8	60	10	60	100	12	51	-	20	54	54	13	11	155	-
ACHGF012C	M10 x 70	M10	70	12	75	100	14	65	-	35	65	65	17	14	243	-

CH-AF A2

Stainless steel A2 forged eye bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	EYE BOLT Ø	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHAA208C	M6 x 45	M6	45	8	45	100	9	39	-	10	41	41	10	10	204	-
ACHAA210C	M8 x 60	M8	60	10	60	100	12	51	-	20	54	54	13	11	384	-
ACHAA212C	M10 x 70	M10	70	12	75	100	14	65	-	35	65	65	17	14	514	-

CH-GF A2

Stainless steel A2 forged hook bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	APERTURE HOOK	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHGA208C	M6 x 45	M6	45	8	45	100	9	39	-	10	41	41	10	10	84	-
ACHGA210C	M8 x 60	M8	60	10	60	100	12	51	-	20	54	54	13	11	84	-
ACHGA212C	M10 x 70	M10	70	12	75	100	14	65	-	35	65	65	17	14	155	-

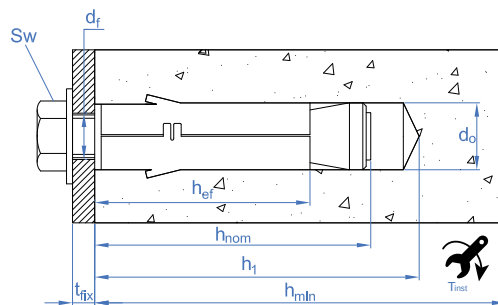
CH-GE

Hook spiral

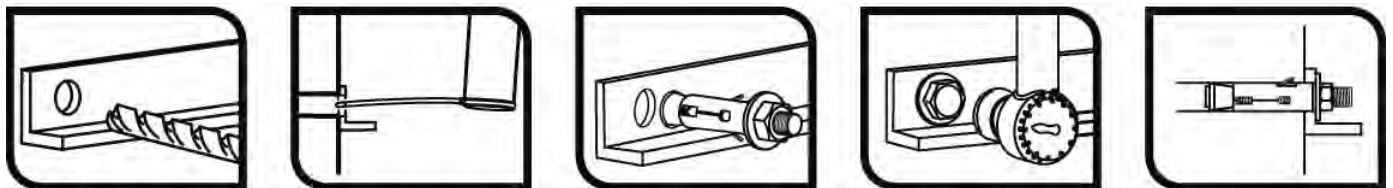
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ACHGE10	M8 x 115	M8	115	10	65	100	12	56	-	20	41	41	13	146	-
ACHGE12	M10 x 135	M10	135	12	80	100	14	70	-	35	54	54	17	243	-

HI

Steel anchor for heavy-duty fixings



APPLICATION MODE



HI-CA

Shield

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	SHIELD LENGTH	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
AHICA0645	M6 Tornillo 6.8	M6	45	12	60	100	7	45	-	10	45	90	10	41	335	402
AHICA0855	M8 Tornillo 6.8	M8	55	14	65	100	9	50	-	20	55	105	13	45	422	507
AHICA1065	M10 Tornillo 6.8	M10	65	16	75	100	12	60	-	40	70	135	17	57	615	739

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	SHIELD LENGHT	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
AHICA1275	M12 Tornillo 6.8	M12	75	20	90	110	14	70	-	65	85	165	19	70	832	1841
AHICA1690	M16 Tornillo 6.8	M16	90	24	105	140	18	100	-	150	105	210	24	90	1194	2866

HI-CI

Stainless-steel A2 shield

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	SHIELD LENGHT	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
AHICI0645	M6 x 60	M6	45	12	60	100	7	45	-	10	45	90	10	40	369	329
AHICI0855	M8 x 65	M8	55	14	65	100	9	50	-	20	55	105	13	48	555	600
AHICI1065	M10 x 81	M10	65	16	75	100	12	60	-	40	70	135	17	59	721	865

HI-TO

Loose bolt 8.8

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
AHITO0645	M6 x 50	M6	45	12	60	100	7	45	8	10	45	90	10	335	402
AHITO0855	M8 x 60	M8	55	14	65	100	9	50	15	20	55	105	13	422	507
AHITO1065	M10 x 80	M10	65	16	75	100	12	60	23	40	70	135	17	615	739
AHITO1275	M12 x 100	M12	75	20	90	110	14	70	30	65	85	165	19	832	1841
AHITO1690	M16 x 110	M16	90	24	105	140	18	100	17	150	105	210	24	1194	2866

HI-AR

Eye bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	EYE BOLT Ø	TENSION LOAD NON-CRACKED CONCRETE
AHIAR0645	M6 x 60	M6	45	12	60	100	45	-	10	45	90	10	10	204
AHIAR0855	M8 x 65	M8	55	14	65	100	50	-	20	55	105	13	12	422
AHIAR1065	M10 x 81	M10	65	16	75	100	60	-	40	70	135	17	14	615
AHIAR1275	M12 x 98	M12	75	20	90	110	70	-	65	85	165	19	17	820
AHIAR1690	M16 x 120	M16	90	24	105	140	100	-	150	105	210	24	23	1194

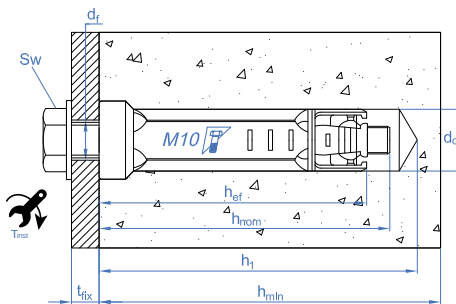
HI-GA

Hook bolt

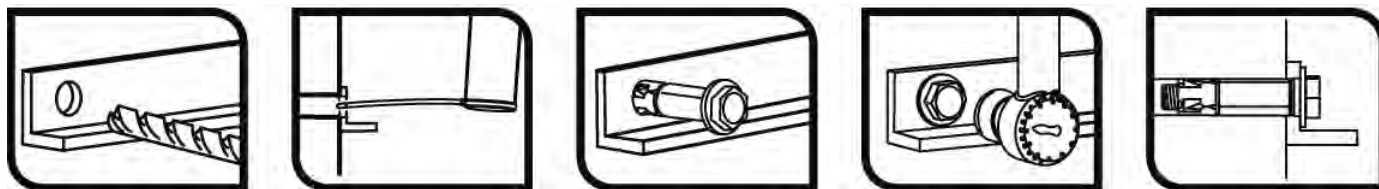
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	APERTURE HOOK	TENSION LOAD NON-CRACKED CONCRETE
AHIGA0645	M6 x 55	M6	45	12	60	100	45	-	10	45	90	10	10	84
AHIGA0855	M8 x 60	M8	55	14	65	100	50	-	20	55	105	13	11	155
AHIGA1065	M10 x 73	M10	65	16	75	100	60	-	40	70	135	17	14	284
AHIGA1275	M12 x 90	M12	75	20	90	110	70	-	65	85	165	19	18	396
AHIGA1690	M16 x 110	M16	90	24	105	140	100	-	150	105	210	24	19	681

AC

Winged steel anchor for heavy-duty fixings



APPLICATION MODE



AC-CA

Shield

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	SHIELD LENGHT	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
AACCA06	M6 Tornillo 6.8	M6	40	10	55	100	7	40	-	10	60	120	10	40	143	351
AACCA08	M8 Tornillo 6.8	M8	50	14	70	100	9	50	-	25	75	150	13	50	163	640
AACCA10	M10 Tornillo 6.8	M10	60	16	80	120	12	60	-	50	90	180	17	60	510	1014
AACCA12	M12 Tornillo 6.8	M12	80	20	90	160	14	80	-	85	120	240	19	80	602	1473
AACCA16	M16 Tornillo 6.8	M16	100	25	115	200	18	100	-	120	150	300	24	100	837	2744

AC-CI

Stainless steel A4 shield

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	SHIELD LENGTH	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
AACCI06	M6 x 40	M6	40	10	55	100	7	40	-	10	60	120	10	40	143	329
AACCI08	M8 x 50	M8	50	14	70	100	9	50	-	25	75	150	13	50	163	600
AACCI10	M10 x 60	M10	60	16	80	120	12	60	-	50	90	180	17	60	510	950
AACCI12	M12 x 80	M12	80	20	90	160	14	80	-	85	120	240	19	80	602	1381

AC-TO

Loose bolt 6.8

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	SCREW SIZE
AACTO06	M6 x 50	M6	40	10	55	100	7	40	8	10	60	120	10	143	351	50
AACTO08	M8 x 60	M8	50	14	70	100	9	50	8	25	75	150	13	163	640	60
AACTO10	M10 x 70	M10	60	16	80	120	12	60	8	50	90	180	17	510	1014	70
AACTO12	M12 x 125	M12	80	20	90	160	14	80	18	85	120	240	19	602	1473	100
AACTO16	M16 x 125	M16	100	25	115	200	18	100	17	120	150	300	24	837	2744	120

AC-ES

Projecting bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	SCREW SIZE
AACES06	M6 x 60	M6	40	10	55	100	7	40	8	10	60	120	10	143	246	60
AACES08	M8 x 70	M8	50	14	70	100	9	50	8	25	75	150	13	163	448	70
AACES10	M10 x 80	M10	60	16	80	120	12	60	8	50	90	180	17	510	709	80
AACES12	M12 x 115	M12	80	20	90	160	14	80	17	85	120	240	19	602	1031	115

AC-AR

Eye bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	EYE BOLT Ø	TENSION LOAD NON-CRACKED CONCRETE
AACAR06	M6 x 55	M6	40	10	55	100	7	40	-	10	60	120	10	10	204
AACAR08	M8 x 60	M8	50	14	70	100	9	50	-	25	75	150	13	12	378
AACAR10	M10 x 73	M10	60	16	80	120	12	60	-	50	90	180	17	14	765
AACAR12	M12 x 90	M12	80	20	90	160	14	80	-	85	120	240	19	17	816

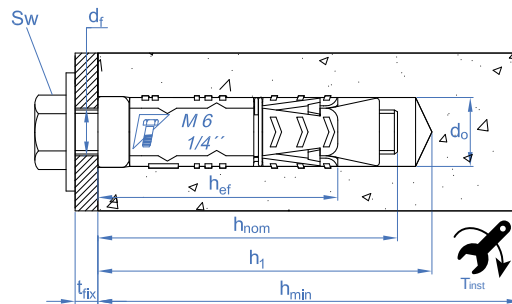
AC-GA

Hook bolt

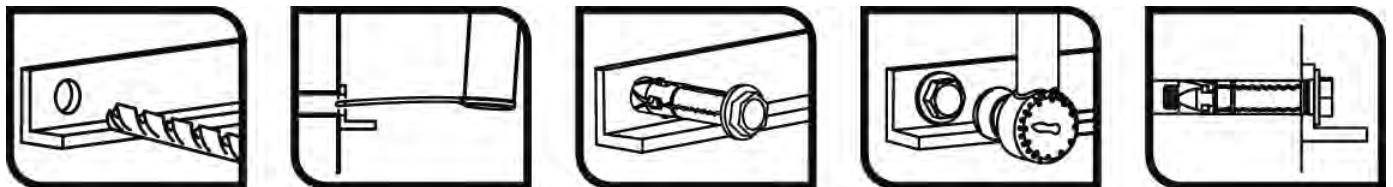
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	APERTURE HOOK	TENSION LOAD NON-CRACKED CONCRETE
AACGA06	M6 x 55	M6	40	10	55	100	7	40	-	10	60	120	10	10	82
AACGA08	M8 x 60	M8	50	14	70	100	9	50	-	25	75	150	13	11	153
AACGA10	M10 x 73	M10	60	16	80	120	12	60	-	50	90	180	17	14	286
AACGA12	M12 x 90	M12	80	20	90	160	14	80	-	85	120	240	19	18	398

ZA

Anchor for medium-heavy loads in hollow and solid elements



APPLICATION MODE



ZA-TO

Loose bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	SHIELD LENGTH	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
AZAMT06	M6 x 50	M6	50	12	60	100	7	48	1	7	62	125	10	48	535	351
AZAMT08	M8 x 60	M8	60	14	65	100	9	50	10	15	65	130	13	50	575	640
AZAMT10	M10 x 80	M10	80	16	75	102	12	58	20	30	80	155	17	58	743	891
AZAMT12	M12 x 100	M12	100	20	90	122	14	72	25	50	95	185	19	72	971	1473
AZAMT16	M16 x 140	M16	140	25	125	192	18	107	30	120	145	290	24	107	1334	2744

ZA-ES

Projecting bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	SCREW SIZE
AZAME06	M6 x 60	M6	60	12	60	100	7	48	1	7	62	125	10	415	246	60
AZAME08	M8 x 70	M8	70	14	65	100	9	50	10	15	65	130	13	575	448	70
AZAME10	M10 x 100	M10	100	16	75	102	12	58	30	30	80	155	17	743	709	100
AZAME12	M12 x 120	M12	120	20	90	122	14	72	30	50	95	185	19	971	1031	120
AZAME16	M16 x 140	M16	140	25	125	192	18	107	12	120	145	290	24	1334	1920	140

ZA-TL

Long loose bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	SCREW SIZE
ZT06L10	M6 x 60	M6	60	12	60	100	7	48	10	7	62	125	10	535	351	60
ZT06L30	M6 x 80	M6	80	12	60	100	7	48	30	7	62	125	10	535	351	80
ZT08L15	M8 x 70	M8	70	14	65	100	9	50	15	15	65	130	13	575	640	70
ZT08L35	M8 x 90	M8	90	14	65	100	9	50	35	15	65	130	13	575	640	90
ZT08L45	M8 x 100	M8	100	14	65	100	9	50	45	15	65	130	13	575	640	100
ZT10L10	M10 x 70	M10	70	16	75	102	12	58	10	30	80	155	17	743	891	70
ZT10L30	M10 x 90	M10	90	16	75	102	12	58	30	30	80	155	17	743	891	90
ZT10L50	M10 x 110	M10	110	16	75	102	12	58	50	30	80	155	17	743	891	110
ZT10L80	M10 x 140	M10	140	16	75	102	12	58	80	30	80	155	17	743	891	140
ZT12L15	M12 x 90	M12	90	20	90	122	14	72	15	50	95	185	19	971	1473	90
ZT12L45	M12 x 120	M12	120	20	90	122	14	72	45	50	95	185	19	971	1473	120
ZT12L65	M12 x 140	M12	140	20	90	122	14	72	65	50	95	185	19	971	1473	140

ZA-PR

Long loose bolt with pipe

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	PIPE LENGTH
ZP06C40	M6 x 90	M6	90	12	60	100	14	48	40	7	62	125	10	535	351	40
ZP08C15	M8 x 70	M8	70	14	65	100	16	50	15	7	65	130	13	575	640	15
ZP08C45	M8 x 100	M8	100	14	65	100	16	50	45	30	80	130	13	575	640	45
ZP10C50	M10 x 110	M10	110	16	75	102	18	58	50	30	80	155	17	743	891	50
ZP10C80	M10 x 140	M10	140	16	75	102	18	58	80	30	80	155	17	743	891	80
ZP12C15	M12 x 90	M12	90	20	90	122	22	72	15	50	95	185	19	971	1473	15
ZP12C65	M12 x 140	M12	140	20	90	122	22	72	65	50	95	185	19	971	1473	65

ZA-CA

Shield

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	SHIELD LENGTH	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
AZAMC06	M6 x 60	M6	48	12	60	100	7	48	-	7	62	125	10	48	535	351
AZAMC08	M8 x 70	M8	50	14	65	100	9	50	-	15	65	130	13	50	575	640
AZAMC10	M10 x 100	M10	58	16	75	102	12	58	-	30	80	155	17	58	743	891
AZAMC12	M12 x 120	M12	72	20	90	122	14	72	-	50	95	185	19	72	971	1473
AZAMC16	M16 x 140	M16	107	25	125	192	18	107	-	120	145	290	24	107	1334	2744

ZA-AR

Eye bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	EYE BOLT Ø	TENSION LOAD NON-CRACKED CONCRETE
AZAMA06	M6 x 48	M6	45	12	60	100	7	48	-	7	62	125	10	10	73
AZAMA08	M8 x 50	M8	50	14	65	100	9	50	-	15	65	130	13	13	146
AZAMA10	M10 x 58	M10	56	16	75	102	12	58	-	30	80	155	17	14	243
AZAMA12	M12 x 72	M12	70	20	90	122	14	72	-	50	95	185	19	22	316

ZA-AF

Forged eye bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	EYE BOLT Ø	TENSION LOAD NON-CRACKED CONCRETE
AZAMAF006	M6 x 48	M6	45	12	60	100	7	48	-	7	62	125	10	10	204
AZAMAF008	M8 x 50	M8	50	14	65	100	9	50	-	15	65	130	13	12	555
AZAMAF010	M10 x 58	M10	56	16	75	102	12	58	-	30	80	155	17	14	743
AZAMAF012	M12 x 72	M12	70	20	90	122	14	72	-	50	95	185	19	17	820

ZA-GA

Hook bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	APERTURE HOOK	TENSION LOAD NON-CRACKED CONCRETE
AZAMG06	M6 x 48	M6	45	12	60	100	7	48	-	7	62	125	10	10	73
AZAMG08	M8 x 50	M8	50	14	65	100	9	50	-	15	65	130	13	13	146
AZAMG10	M10 x 58	M10	56	16	75	102	12	58	-	30	80	155	17	14	243
AZAMG12	M12 x 72	M12	70	20	90	122	14	72	-	50	95	185	19	22	316

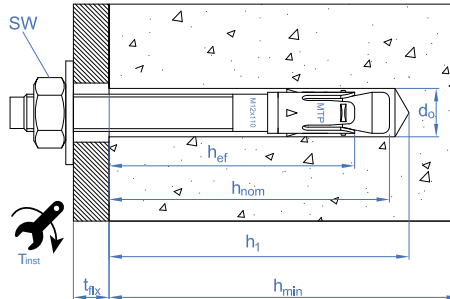
ZA-GF

Forged hook bolt

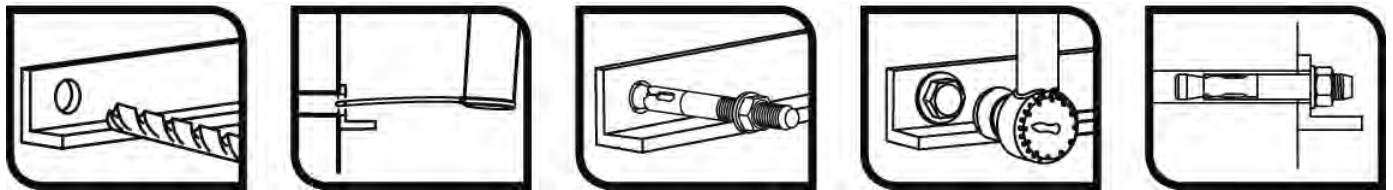
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	APERTURE HOOK	TENSION LOAD NON-CRACKED CONCRETE
AZAMGF006	M6 x 60	M6	45	12	60	100	7	48	-	7	62	125	10	10	84
AZAMGF008	M8 x 70	M8	50	14	65	100	9	50	-	15	65	130	13	11	155
AZAMGF010	M10 x 100	M10	56	16	75	102	12	58	-	30	80	155	17	14	284
AZAMGF012	M12 x 120	M12	70	20	90	122	14	72	-	50	95	185	19	18	396

MTP

Through bolt anchor for heavy loads in concrete and non-cracked concrete



APPLICATION MODE



MTP

Option 1 ETA Assessed. Zinc-plated shaft. A4 Stainless clip.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE	AXIS LETTER
AP08050	M8 x 50	M8	50	8	40	100	9	37	2	20	72	144	13	182	402	130	287	A
AP08075	M8 x 75	M8	75	8	60	100	9	55	9	20	72	144	13	364	641	202	484	C
AP08095	M8 x 95	M8	95	8	60	100	9	55	29	20	72	144	13	364	641	202	484	E
AP08115	M8 x 115	M8	115	8	60	100	9	55	49	20	72	144	13	364	641	202	484	G
AP10090	M10 x 90	M10	90	10	75	120	12	68	10	40	90	180	17	777	949	437	949	E
AP10105	M10 x 105	M10	105	10	75	120	12	68	25	40	90	180	17	777	949	437	949	F
AP10115	M10 x 115	M10	115	10	75	120	12	68	35	40	90	180	17	777	949	437	949	G
AP10135	M10 x 135	M10	135	10	75	120	12	68	55	40	90	180	17	777	949	437	949	H
AP10165	M10 x 165	M10	165	10	75	120	12	68	85	40	90	180	17	777	949	437	949	K
AP10185	M10 x 185	M10	185	10	75	120	12	68	105	40	90	180	17	777	949	437	949	L
AP12080	M12 x 80	M12	80	12	65	100	14	60	4	60	105	210	19	585	1223	417	1223	D
AP12100	M12 x 100	M12	100	12	85	140	14	80	4	60	105	210	19	971	1223	582	1223	E
AP12110	M12 x 110	M12	110	12	85	140	14	80	14	60	105	210	19	971	1223	582	1223	F
AP12120	M12 x 120	M12	120	12	85	140	14	80	24	60	105	210	19	971	1223	582	1223	G
AP12130	M12 x 130	M12	130	12	85	140	14	80	34	60	105	210	19	971	1223	582	1223	H
AP12150	M12 x 150	M12	150	12	85	140	14	80	54	60	105	210	19	971	1223	582	1223	I
AP12180	M12 x 180	M12	180	12	85	140	14	80	84	60	105	210	19	971	1223	582	1223	L
AP12200	M12 x 200	M12	200	12	85	140	14	80	104	60	105	210	19	971	1223	582	1223	M
AP16145	M16 x 145	M16	145	16	105	170	18	97	28	100	128	255	24	1699	2225	1214	2225	I
AP16175	M16 x 175	M16	175	16	105	170	18	97	58	100	128	255	24	1699	2225	1214	2225	K
AP16220	M16 x 220	M16	220	16	105	170	18	97	103	100	128	255	24	1699	2225	1214	2225	O
AP16250	M16 x 250	M16	250	16	105	170	18	97	133	100	128	255	24	1699	2225	1214	2225	Q
AP20170	M20 x 170	M20	170	20	125	200	22	114	32	200	150	300	30	2427	4258	1456	3495	K
AP20200	M20 x 200	M20	200	20	125	200	22	114	62	200	150	300	30	2427	4258	1456	3495	N
AP24205	M24 x 205	M24	205	24	155	250	26	143	35	250	188	375	36	2023	4934	1214	4884	N
AP24235	M24 x 235	M24	235	24	155	250	26	143	65	250	188	375	36	2023	4934	1214	4884	P

MTP-X

Homologado ETE Opción 1. Eje Cincado. Clip sherardizado.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE	AXIS LETTER
APX08050	M8 x 50	M8	50	8	40	100	9	37	2	15	72	144	13	182	402	130	287	A
APX08075	M8 x 75	M8	75	8	60	100	9	55	9	15	72	144	13	364	641	243	581	C
APX08080	M8 x 80	M8	80	8	60	100	9	55	14	15	72	144	13	364	641	243	581	D
APX08095	M8 x 95	M8	95	8	60	100	9	55	29	15	72	144	13	364	641	243	581	E
APX08115	M8 x 115	M8	115	8	60	100	9	55	49	15	72	144	13	364	641	243	581	G
APX10090	M10 x 90	M10	90	10	75	120	12	68	10	40	90	180	17	777	1014	437	1014	E
APX10105	M10 x 105	M10	105	10	75	120	12	68	25	40	90	180	17	777	1014	437	1014	F
APX10115	M10 x 115	M10	115	10	75	120	12	68	35	40	90	180	17	777	1014	437	1014	G
APX10135	M10 x 135	M10	135	10	75	120	12	68	55	40	90	180	17	777	1014	437	1014	H

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE	AXIS LETTER
APX10165	M10 x 165	M10	165	10	75	120	12	68	85	40	90	180	17	777	1014	437	1014	K
APX10185	M10 x 185	M10	185	10	75	120	12	68	105	40	90	180	17	777	1014	437	1014	L
APX12080	M12 x 80	M12	80	12	65	100	14	60	4	60	105	210	19	488	1474	348	1236	D
APX12100	M12 x 100	M12	100	12	85	140	14	80	4	60	105	210	19	1214	1474	777	1474	E
APX12110	M12 x 110	M12	110	12	85	140	14	80	14	60	105	210	19	1214	1474	777	1474	F
APX12120	M12 x 120	M12	120	12	85	140	14	80	24	60	105	210	19	1214	1474	777	1474	G
APX12130	M12 x 130	M12	130	12	85	140	14	80	34	60	105	210	19	1214	1474	777	1474	H
APX12150	M12 x 150	M12	150	12	85	140	14	80	54	60	105	210	19	1214	1474	777	1474	I
APX12180	M12 x 180	M12	180	12	85	140	14	80	84	60	105	210	19	1214	1474	777	1474	L
APX12200	M12 x 200	M12	200	12	85	140	14	80	104	60	105	210	19	1214	1474	777	1474	M
APX12220	M12 x 220	M12	220	12	85	140	14	80	124	60	105	210	19	1214	1474	777	1474	O
APX12255	M12 x 255	M12	255	12	85	140	14	80	159	60	105	210	19	1214	1474	777	1474	R
APX16145	M16 x 145	M16	145	16	105	170	18	97	28	100	128	255	24	1699	2744	1214	2739	I
APX16175	M16 x 175	M16	175	16	105	170	18	97	58	100	128	255	24	1699	2744	1214	2739	K
APX16220	M16 x 220	M16	220	16	105	170	18	97	103	100	128	255	24	1699	2744	1214	2739	O
APX16250	M16 x 250	M16	250	16	105	170	18	97	133	100	128	255	24	1699	2744	1214	2739	Q
APX20170	M20 x 170	M20	170	20	125	200	22	114	32	200	150	300	30	2427	4258	1456	3495	K
APX20200	M20 x 200	M20	200	20	125	200	22	114	62	200	150	300	30	2427	4258	1456	3495	M

MTP-G

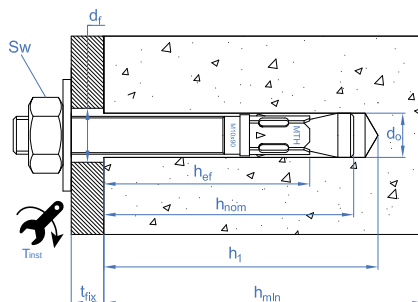
Sherardized shaft. Option 1 ETA Assessed. A4 Stainless clip.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE	AXIS LETTER
APG06060	M6 x 60	M6	60	6	50	100	7	46	10	7	60	120	10	243	352	-	-	B
APG06070	M6 x 70	M6	70	6	50	100	7	46	20	7	60	120	10	243	352	-	-	C
APG06100	M6 x 100	M6	100	6	50	100	7	46	50	7	60	120	10	243	352	-	-	E
APG08050	M8 x 50	M8	50	8	40	100	9	37	2	15	72	144	13	182	402	130	287	A
APG08060	M8 x 60	M8	60	8	40	100	9	37	12	15	72	144	13	182	402	130	287	B
APG08075	M8 x 75	M8	75	8	60	100	9	55	9	15	72	144	13	364	649	243	581	C
APG08095	M8 x 95	M8	95	8	60	100	9	55	29	15	72	144	13	364	649	243	581	E
APG08115	M8 x 115	M8	115	8	60	100	9	55	49	15	72	144	13	364	649	243	581	G
APG10070	M10 x 70	M10	70	10	60	100	12	53	5	40	90	180	17	325	1014	232	1014	C
APG10090	M10 x 90	M10	90	10	75	120	12	68	10	40	90	180	17	777	1014	437	1014	E
APG10105	M10 x 105	M10	105	10	75	120	12	68	25	40	90	180	17	777	1014	437	1014	F
APG10115	M10 x 115	M10	115	10	75	120	12	68	35	40	90	180	17	777	1014	437	1014	G
APG10135	M10 x 135	M10	135	10	75	120	12	68	55	40	90	180	17	777	1014	437	1014	H
APG10165	M10 x 165	M10	165	10	75	120	12	68	85	40	90	180	17	777	1014	437	1014	K
APG10185	M10 x 185	M10	185	10	75	120	12	68	105	40	90	180	17	777	1014	437	1014	L
APG12080	M12 x 80	M12	80	12	65	100	14	60	4	60	105	210	19	585	1474	417	1236	D
APG12110	M12 x 110	M12	110	12	85	140	14	80	14	60	105	210	19	1433	1474	777	1474	F
APG12130	M12 x 130	M12	130	12	85	140	14	80	34	60	105	210	19	1433	1474	777	1474	H
APG12150	M12 x 150	M12	150	12	85	140	14	80	54	60	105	210	19	1433	1474	777	1474	I
APG12180	M12 x 180	M12	180	12	85	140	14	80	84	60	105	210	19	1433	1474	777	1474	L
APG12200	M12 x 200	M12	200	12	85	140	14	80	104	60	105	210	19	1433	1474	777	1474	M
APG16125	M16 x 125	M16	125	16	105	170	18	97	8	100	128	255	24	1699	2744	1214	2739	G
APG16145	M16 x 145	M16	145	16	105	170	18	97	28	100	128	255	24	1699	2744	1214	2739	I
APG16175	M16 x 175	M16	175	16	105	170	18	97	58	100	128	255	24	1699	2744	1214	2739	K
APG16220	M16 x 220	M16	220	16	105	170	18	97	103	100	128	255	24	1699	2744	1214	2739	O
APG20170	M20 x 170	M20	170	20	125	200	22	114	32	200	150	300	30	2427	4258	1456	3495	K
APG20200	M20 x 200	M20	200	20	125	200	22	114	62	200	150	300	30	2427	4258	1456	3495	M

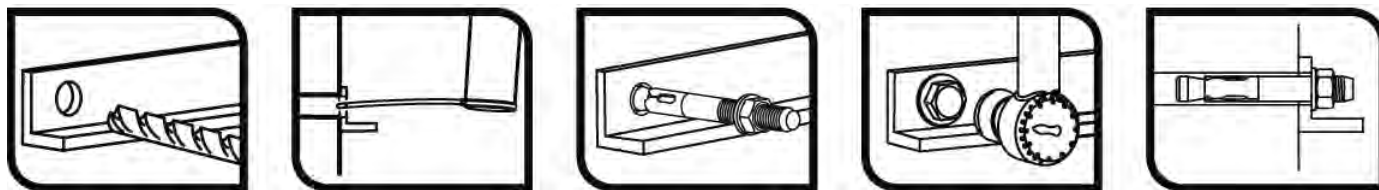
MTP-A4

Stainless steel A4. Option 1 ETA Assessed. A4 Stainless clip.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE	AXIS LETTER
APA408068	M8 x 68	M8	68	8	70	100	9	54	4	20	70	140	13	430	650	240	650	A
APA408075	M8 x 75	M8	75	8	70	100	9	54	10	20	70	140	13	430	650	240	650	B
APA408090	M8 x 90	M8	90	8	70	100	9	54	25	20	70	140	13	430	650	240	650	C
APA408115	M8 x 115	M8	115	8	70	100	9	54	50	20	70	140	13	430	650	240	650	D
APA408135	M8 x 135	M8	135	8	70	100	9	54	70	20	70	140	13	430	650	240	650	E
APA408165	M8 x 165	M8	165	8	70	100	9	54	100	20	70	140	13	430	650	240	650	G
APA410090	M10 x 90	M10	90	10	80	120	12	67	10	40	90	180	17	760	1040	430	1040	A
APA410105	M10 x 105	M10	105	10	80	120	12	67	25	40	90	180	17	760	1040	430	1040	B
APA410115	M10 x 115	M10	115	10	80	120	12	67	35	40	90	180	17	760	1040	430	1040	C
APA410135	M10 x 135	M10	135	10	80	120	12	67	55	40	90	180	17	760	1040	430	1040	D
APA410155	M10 x 155	M10	155	10	80	120	12	67	75	40	90	180	17	760	1040	430	1040	E
APA410185	M10 x 185	M10	185	10	80	120	12	67	105	40	90	180	17	760	1040	430	1040	F
APA412110	M12 x 110	M12	110	12	100	150	14	81	10	60	110	220	19	950	1511	570	1511	A
APA412120	M12 x 120	M12	120	12	100	150	14	81	20	60	110	220	19	950	1511	570	1511	B
APA412145	M12 x 145	M12	145	12	100	150	14	81	45	60	110	220	19	950	1511	570	1511	C
APA412170	M12 x 170	M12	170	12	100	150	14	81	70	60	110	220	19	950	1511	570	1511	D
APA412200	M12 x 200	M12	200	12	100	150	14	81	100	60	110	220	19	950	1511	570	1511	E
APA416130	M16 x 130	M16	130	16	115	170	18	97	10	120	130	260	24	1670	2800	1190	2800	A
APA416150	M16 x 150	M16	150	16	115	170	18	97	30	120	130	260	24	1670	2800	1190	2800	B
APA416185	M16 x 185	M16	185	16	115	170	18	97	60	120	130	260	24	1670	2800	1190	2800	C
APA416220	M16 x 220	M16	220	16	115	170	18	97	100	120	130	260	24	1670	2800	1190	2800	D



APPLICATION MODE



CODE	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	AXIX LETTER
AH06060	M6	60	6	55	100	7	50	2	7	60	120	10	385	297	B
AH06070	M6	70	6	55	100	7	50	12	7	60	120	10	385	297	C
AH06080	M6	80	6	55	100	7	50	22	7	60	120	10	385	297	D
AH06090	M6	90	6	55	100	7	50	32	7	60	120	10	385	297	E
AH06100	M6	100	6	55	100	7	50	42	7	60	120	10	385	297	E
AH06110	M6	110	6	55	100	7	50	52	7	60	120	10	385	297	F
AH06120	M6	120	6	55	100	7	50	62	7	60	120	10	385	297	G
AH08060	M8	60	8	50	100	9	50	3	20	53	105	13	485	508	B
AH08075	M8	75	8	65	100	9	60	5	20	72	144	13	676	542	C
AH08090	M8	90	8	65	100	9	60	20	20	72	144	13	676	542	E
AH08100	M8	100	8	65	100	9	60	30	20	72	144	13	676	542	E
AH08115	M8	115	8	65	100	9	60	45	20	72	144	13	676	542	G
AH08120	M8	120	8	65	100	9	60	50	20	72	144	13	676	542	G
AH08130	M8	130	8	65	100	9	60	60	20	72	144	13	676	542	H
AH08155	M8	155	8	65	100	9	60	85	20	72	144	13	676	542	J
AH10070	M10	70	10	60	100	12	54	3	35	60	120	17	667	667	C
AH10080	M10	80	10	60	100	12	54	13	35	63	126	17	667	667	D
AH10090	M10	90	10	75	110	12	67	10	35	83	165	17	922	856	E
AH10100	M10	100	10	75	110	12	67	20	35	83	165	17	922	856	E
AH10120	M10	120	10	75	110	12	67	40	35	83	165	17	922	856	G
AH10140	M10	140	10	75	110	12	67	60	35	83	165	17	922	856	H
AH10150	M10	150	10	75	110	12	67	70	35	83	165	17	922	856	I
AH10160	M10	160	10	75	110	12	67	80	35	83	165	17	922	856	J
AH10170	M10	170	10	75	110	12	67	90	35	83	165	17	922	856	K
AH10210	M10	210	10	75	110	12	67	130	35	83	165	17	922	856	N
AH10230	M10	230	10	75	110	12	67	150	35	83	165	17	922	856	P
AH12090	M12	90	12	70	100	14	60	13	60	90	175	19	867	867	E
AH12100	M12	100	12	85	130	14	77	8	60	75	150	19	1285	1200	E
AH12110	M12	110	12	85	130	14	77	18	60	98	195	19	1285	1200	F
AH12120	M12	120	12	85	130	14	77	28	60	98	195	19	1285	1200	G
AH12130	M12	130	12	85	130	14	77	38	60	98	195	19	1285	1200	H
AH12140	M12	140	12	85	130	14	77	48	60	98	195	19	1285	1200	H
AH12160	M12	160	12	85	130	14	77	68	60	98	195	19	1285	1200	J
AH12180	M12	180	12	85	130	14	77	88	60	98	195	19	1285	1200	L
AH12200	M12	200	12	85	130	14	77	108	60	98	195	19	1285	1200	M
AH12220	M12	220	12	85	130	14	77	128	60	98	195	19	1285	1200	O
AH12250	M12	250	12	85	130	14	77	158	60	98	195	19	1285	1200	Q
AH14120	M14	120	14	100	150	16	91	12	90	113	225	22	1592	1637	G
AH14145	M14	145	14	100	150	16	91	37	90	113	225	22	1592	1637	I
AH14170	M14	170	14	100	150	16	91	62	90	113	225	22	1592	1637	K
AH14220	M14	220	14	100	150	16	91	112	90	113	225	22	1592	1637	O
AH14250	M14	250	14	100	150	16	91	142	90	113	225	22	1592	1637	Q
AH16125	M16	125	16	110	168	18	104	3	120	126	252	24	1887	2237	G
AH16145	M16	145	16	110	168	18	104	23	120	126	252	24	1887	2237	I
AH16170	M16	170	16	110	168	18	104	48	120	126	252	24	1887	2237	K

CODE	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	AXIX LETTER
AH16220	M16	220	16	110	168	18	104	98	120	126	252	24	1887	2237	O
AH16250	M16	250	16	110	168	18	104	128	120	126	252	24	1887	2237	Q
AH16280	M16	280	16	110	168	18	104	158	120	126	252	24	1887	2237	S
AH20170	M20	170	20	135	206	22	125	23	240	155	309	30	2562	3279	K
AH20220	M20	220	20	135	206	22	125	73	240	155	309	30	2562	3279	O
AH20270	M20	270	20	135	206	22	125	123	240	155	309	30	2562	3279	S

MTH-A4

Stainless steel A4. Option 7 ETA Assessed. A4 Stainless clip.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	AXIX LETTER
MIA406045	M6 x 45	M6	45	6	35	100	7	35	1	7	40	75	10	306	287	A
MIA406060	M6 x 60	M6	60	6	50	100	7	49.5	2	7	60	120	10	438	287	B
MIA406080	M6 x 80	M6	80	6	50	100	7	49.5	22	7	60	120	10	438	287	D
MIA408050	M8 x 50	M8	50	8	35	100	9	35	4	20	40	75	13	225	270	A
MIA408075	M8 x 75	M8	75	8	60	100	9	59.5	5	20	72	144	13	582	522	C
MIA408090	M8 x 90	M8	90	8	60	100	9	59.5	20	20	72	144	13	582	522	E
MIA408115	M8 x 115	M8	115	8	60	100	9	59.5	45	20	72	144	13	582	522	G
MIA410070	M10 x 70	M10	70	10	54	100	12	53.5	3	35	60	120	17	485	667	C
MIA410090	M10 x 90	M10	90	10	67	110	12	66.5	10	35	83	165	17	647	834	D
MIA410120	M10 x 120	M10	120	10	67	110	12	66.5	40	35	83	165	17	647	834	G
MIA410150	M10 x 150	M10	150	10	67	110	12	66.5	70	35	83	165	17	647	834	I
MIA412075	M12 x 75	M12	75	12	55	100	14	55	5	60	65	130	19	576	691	C
MIA412090	M12 x 90	M12	90	12	62	100	14	62	13	60	90	175	19	647	867	D
MIA412110	M12 x 110	M12	110	12	77	130	14	77	12	60	98	195	19	1011	1207	F
MIA412140	M12 x 140	M12	140	12	77	130	14	77	42	60	98	195	19	1011	1207	I
MIA416090	M16 x 90	M16	90	16	69	100	18	69	4	120	75	150	24	701	841	D
MIA416145	M16 x 145	M16	145	16	104	168	18	103.5	23	120	126	252	24	1416	2256	I
MIA416170	M16 x 170	M16	170	16	104	168	18	103.5	48	120	126	252	24	1416	2256	K
MIA420120	M20 x 120	M20	120	20	93	145	22	93	5	240	110	225	30	1222	2933	G
MIA420170	M20 x 170	M20	170	20	125	206	22	125	23	240	155	309	30	2023	3521	K
MIA420220	M20 x 220	M20	220	20	125	206	22	125	73	240	155	309	30	2023	3521	O

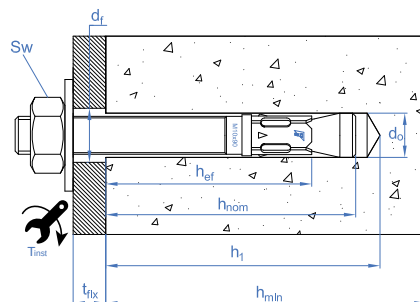
MTH-A2

Stainless steel A2. Option 7 ETA Assessed. A2 Stainless clip.

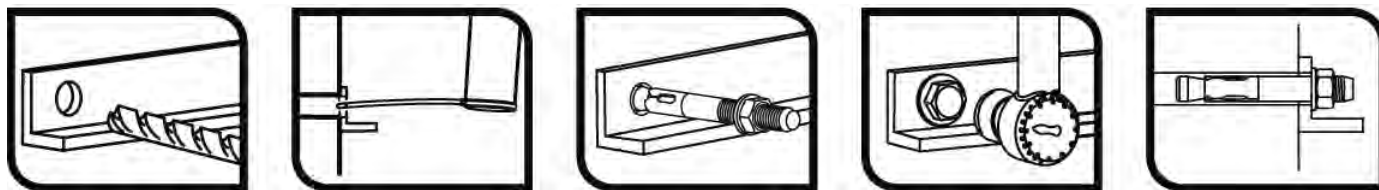
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	AXIX LETTER
MI06045	M6 x 45	M6	45	6	40	100	7	35	1	7	40	75	10	306	287	A
MI06060	M6 x 60	M6	60	6	55	100	7	50	2	7	60	120	10	438	287	B
MI06080	M6 x 80	M6	80	6	55	100	7	50	22	7	60	120	10	438	287	D
MI06120	M6 x 120	M6	120	6	55	100	7	50	62	7	60	120	10	438	287	G
MI06140	M6 x 140	M6	140	6	55	100	7	50	82	7	60	120	10	438	287	I
MI06160	M6 x 160	M6	160	6	55	100	7	50	102	7	60	120	10	438	287	J
MI08050	M8 x 50	M8	50	8	40	100	9	35	4	20	40	75	13	225	270	A
MI08075	M8 x 75	M8	75	8	65	100	9	60	5	20	72	144	13	582	522	C
MI08090	M8 x 90	M8	90	8	65	100	9	60	20	20	72	144	13	582	522	E
MI08115	M8 x 115	M8	115	8	65	100	9	60	45	20	72	144	13	582	522	G
MI10070	M10 x 70	M10	70	10	60	100	12	54	3	35	60	120	17	485	667	C
MI10090	M10 x 90	M10	90	10	75	110	12	67	10	35	83	165	17	647	834	D
MI10120	M10 x 120	M10	120	10	75	110	12	67	40	35	83	165	17	647	834	G
MI10150	M10 x 150	M10	150	10	75	110	12	67	70	35	83	165	17	647	834	I
MI12075	M12 x 75	M12	75	12	60	100	14	55	5	60	65	130	19	576	691	C
MI12090	M12 x 90	M12	90	12	70	120	14	62	13	60	90	175	19	647	867	D
MI12110	M12 x 110	M12	110	12	85	130	14	77	18	60	98	195	19	1011	1207	F
MI12140	M12 x 140	M12	140	12	85	130	14	77	48	60	98	195	19	1011	1207	I
MI16090	M16 x 90	M16	90	16	75	100	18	69	4	120	75	150	24	701	841	D
MI16145	M16 x 145	M16	145	16	110	168	18	104	23	120	126	252	24	1416	2256	I
MI16170	M16 x 170	M16	170	16	110	168	18	104	48	120	126	252	24	1416	2256	K
MI20120	M20 x 120	M20	120	20	105	145	22	93	5	240	110	225	30	1222	2933	G
MI20170	M20 x 170	M20	170	20	135	206	22	125	23	240	155	309	30	2023	3521	K
MI20220	M20 x 220	M20	220	20	135	206	22	125	73	240	155	309	30	2023	3521	O

MTA

Through bolt anchor for heavy loads



APPLICATION MODE

**MTA**

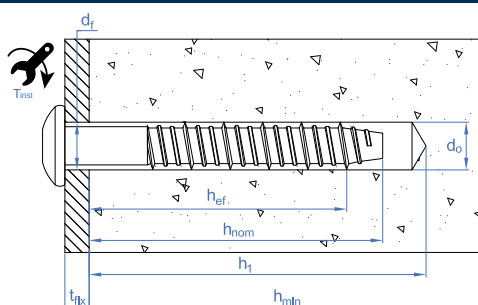
Zinc-plated shaft. Zinc-plated clip.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
AM06045	M6 x 45	M6	45	6	40	100	7	35	1	7	40	75	10	306	297
AM06055	M6 x 55	M6	55	6	40	100	7	35	11	7	40	75	10	306	297
AM06060	M6 x 60	M6	60	6	55	100	7	50	2	7	60	120	10	385	297
AM06065	M6 x 65	M6	65	6	55	100	7	50	7	7	60	120	10	385	297
AM06070	M6 x 70	M6	70	6	55	100	7	50	12	7	60	120	10	385	297
AM06080	M6 x 80	M6	80	6	55	100	7	50	22	7	60	120	10	385	297
AM06085	M6 x 85	M6	85	6	55	100	7	50	27	7	60	120	10	385	297
AM06090	M6 x 90	M6	90	6	55	100	7	50	32	7	60	120	10	385	297
AM06100	M6 x 100	M6	100	6	55	100	7	50	42	7	60	120	10	385	297
AM06110	M6 x 110	M6	110	6	55	100	7	50	52	7	60	120	10	385	297
AM06120	M6 x 120	M6	120	6	55	100	7	50	62	7	60	120	10	385	297
AM06130	M6 x 130	M6	130	6	55	100	7	50	72	7	60	120	10	385	297
AM06140	M6 x 140	M6	140	6	55	100	7	50	82	7	60	120	10	385	297
AM06150	M6 x 150	M6	150	6	55	100	7	50	92	7	60	120	10	385	297
AM06160	M6 x 160	M6	160	6	55	100	7	50	102	7	60	120	10	385	297
AM06170	M6 x 170	M6	170	6	55	100	7	50	112	7	60	120	10	385	297
AM06180	M6 x 180	M6	180	6	55	100	7	50	122	7	60	120	10	385	297
AM08050	M8 x 50	M8	50	8	40	100	9	35	4	20	40	75	13	270	270
AM08060	M8 x 60	M8	60	8	50	100	9	47	3	20	53	105	13	485	508
AM08065	M8 x 65	M8	65	8	50	100	9	47	8	20	53	105	13	485	508
AM08075	M8 x 75	M8	75	8	65	100	9	60	5	20	72	144	13	676	542
AM08090	M8 x 90	M8	90	8	65	100	9	60	20	20	72	144	13	676	542
AM08115	M8 x 115	M8	115	8	65	100	9	60	45	20	72	144	13	676	542
AM08120	M8 x 120	M8	120	8	65	100	9	60	50	20	72	144	13	676	542
AM08130	M8 x 130	M8	130	8	65	100	9	60	60	20	72	144	13	676	542
AM08155	M8 x 155	M8	155	8	65	100	9	60	85	20	72	144	13	676	542
AM10065	M10 x 65	M10	65	10	55	100	12	52	1	35	60	120	17	620	620
AM10070	M10 x 70	M10	70	10	60	100	12	54	3	35	63	125	17	667	667
AM10080	M10 x 80	M10	80	10	60	100	12	54	13	35	63	125	17	667	667
AM10090	M10 x 90	M10	90	10	75	110	12	67	10	35	83	165	17	922	856
AM10100	M10 x 100	M10	100	10	75	110	12	67	20	35	83	165	17	922	856
AM10120	M10 x 120	M10	120	10	75	110	12	67	40	35	83	165	17	922	856
AM10140	M10 x 140	M10	140	10	75	110	12	67	60	35	83	165	17	922	856
AM10150	M10 x 150	M10	150	10	75	110	12	67	70	35	83	165	17	922	856
AM10160	M10 x 160	M10	160	10	75	110	12	67	80	35	83	165	17	922	856
AM10170	M10 x 170	M10	170	10	75	110	12	67	90	35	83	165	17	922	856
AM10210	M10 x 210	M10	210	10	75	110	12	67	130	35	83	165	17	922	856
AM10230	M10 x 230	M10	230	10	75	110	12	67	150	35	83	165	17	922	856
AM12075	M12 x 75	M12	75	12	60	100	14	55	5	60	65	130	19	691	691
AM12080	M12 x 80	M12	80	12	70	100	14	62	3	60	75	150	19	867	867
AM12090	M12 x 90	M12	90	12	70	100	14	62	13	60	75	150	19	867	867
AM12100	M12 x 100	M12	100	12	85	130	14	77	8	60	98	195	19	1285	1200
AM12110	M12 x 110	M12	110	12	85	130	14	77	18	60	98	195	19	1285	1200
AM12120	M12 x 120	M12	120	12	85	130	14	77	28	60	98	195	19	1285	1200
AM12140	M12 x 140	M12	140	12	85	130	14	77	48	60	98	195	19	1285	1200
AM12160	M12 x 160	M12	160	12	85	130	14	77	68	60	98	195	19	1285	1200
AM12180	M12 x 180	M12	180	12	85	130	14	77	88	60	98	195	19	1285	1200
AM12220	M12 x 220	M12	220	12	85	130	14	77	128	60	98	195	19	1285	1200

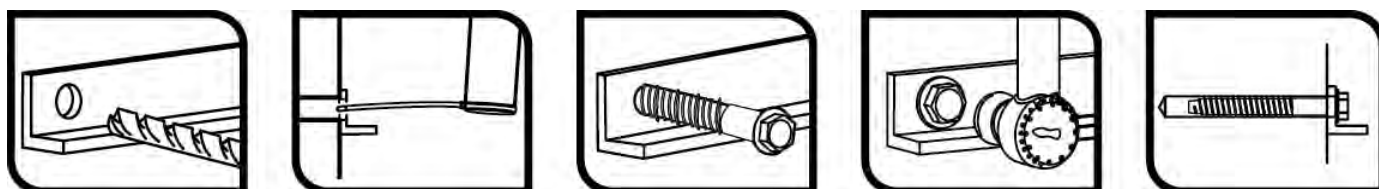
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
AM12250	M12 x 250	M12	250	12	85	130	14	77	158	60	98	195	19	1285	1200
AM14080	M14 x 80	M14	80	14	65	100	16	59	5	90	65	130	22	667	667
AM14100	M14 x 100	M14	100	14	85	125	16	69	5	90	95	190	22	1197	1637
AM14120	M14 x 120	M14	120	14	100	150	16	91	12	90	113	225	22	1592	1637
AM14145	M14 x 145	M14	145	14	100	150	16	91	37	90	113	225	22	1592	1637
AM14170	M14 x 170	M14	170	14	100	150	16	91	62	90	113	225	22	1592	1637
AM14220	M14 x 220	M14	220	14	100	150	16	91	112	90	113	225	22	1592	1637
AM14250	M14 x 250	M14	250	14	100	150	16	91	142	90	113	225	22	1592	1637
AM16090	M16 x 90	M16	90	16	75	100	18	69	4	120	75	150	24	841	841
AM16110	M16 x 110	M16	110	16	75	100	18	69	7	120	75	150	24	1285	1592
AM16125	M16 x 125	M16	125	16	110	168	18	104	3	120	126	252	24	1887	2237
AM16145	M16 x 145	M16	145	16	110	168	18	104	23	120	126	252	24	1887	2237
AM16170	M16 x 170	M16	170	16	110	168	18	104	48	120	126	252	24	1887	2237
AM16220	M16 x 220	M16	220	16	110	168	18	104	98	120	126	252	24	1887	2237
AM16250	M16 x 250	M16	250	16	110	168	18	104	128	120	126	252	24	1887	2237
AM16280	M16 x 280	M16	280	16	110	168	18	104	158	120	126	252	24	1887	2237
AM20120	M20 x 120	M20	120	20	105	145	22	93	5	240	110	225	30	1467	2933
AM20170	M20 x 170	M20	170	20	135	206	22	125	23	240	155	309	30	2562	3279
AM20220	M20 x 220	M20	220	20	135	206	22	125	73	240	155	309	30	2562	3279
AM20270	M20 x 270	M20	270	20	135	206	22	125	123	240	155	309	30	2562	3279
AM24180	M24 x 180	M24	180	24	155	250	26	143	10	250	200	400	36	2023	4934
AM24260	M24 x 260	M24	260	24	155	250	26	143	80	250	200	400	36	2023	4934

TH

Concrete screw anchor with Silver Ruspert coating



APPLICATION MODE



TH-PAN

Panhead

CODE	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	OUTER Ø OF THREAD	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
THPAN07050	7,5	50	6	43	100	9	33	17	20	45	45	T40	7,5	173	219

TH-TRU

Truss head

CODE	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	OUTER Ø OF THREAD	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
THTRU07050	7,5	50	6	43	100	9	33	17	20	45	45	T30	7,5	173	219

TH-DEX

Hexagon head. Option 1 ETA Assessed

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	OUTER Ø OF THREAD	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE
THDEX06030	6 x 30	6	30	5	40	100	7	33	2	7	45	45	8	6,3	110	172	-	-
THDEX06040	6 x 40	6	40	5	40	100	7	33	12	7	45	45	8	6,3	110	172	-	-
THDEX06050	6 x 50	6	50	5	55	100	7	45	5	7	45	45	8	6,3	221	413	-	-
THDEX06060	6 x 60	6	60	5	55	100	7	45	15	7	45	45	8	6,3	221	413	-	-
THDEX07035	7,5 x 35	7	35	6	43	100	9	33	2	20	45	45	10	7,5	173	219	-	-
THDEX07045	7,5 x 45	7	45	6	43	100	9	33	12	20	45	45	10	7,5	173	219	-	-
THDEX07060	7,5 x 60	7	60	6	65	100	9	55	5	20	63	126	10	7,5	364	437	243	437
THDEX07080	7,5 x 80	7	80	6	65	100	9	55	25	20	63	126	10	7,5	364	437	243	437
THDEX07100	7,5 x 100	7	100	6	65	100	9	55	45	20	63	126	10	7,5	364	437	243	437
THDEX10055	10 x 55	10	55	8	60	100	12	50	5	50	50	50	13	10,5	377	507	-	-
THDEX10065	10,0 x 65	10	65	8	70	100	12	60	5	50	67	135	13	10,5	485	949	364	528
THDEX10075	10,0 x 75	10	75	8	70	100	12	60	15	50	67	135	13	10,5	485	949	364	528
THDEX10090	10,0 x 90	10	90	8	70	100	12	60	30	50	67	135	13	10,5	485	949	364	528

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	OUTER Ø OF THREAD	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE
THDEX10110	10,0 x 110	10	110	8	70	100	12	60	50	50	67	135	13	10,5	485	949	364	528
THDEX10130	10,0 x 130	10	130	8	70	100	12	60	70	50	67	135	13	10,5	485	949	364	528
THDEX12065	12 x 65	12	65	10	75	100	14	60	5	80	60	60	15	12,5	555	666	-	-
THDEX12075	12x 75	12	75	10	85	105	14	70	5	80	78	156	15	12,5	809	1433	485	655
THDEX12085	12 x 85	12	85	10	85	105	14	70	15	80	78	156	15	12,5	809	1433	485	655
THDEX12100	12 x 100	12	100	10	85	105	14	70	30	80	78	156	15	12,5	809	1433	485	655
THDEX12120	12 x 120	12	120	10	85	105	14	70	50	80	78	156	15	12,5	809	1433	485	655
THDEX12140	12 x 140	12	140	10	85	105	14	70	70	80	78	156	15	12,5	809	1433	485	655
THDEX16080	16 x 80	16	80	14	95	102	18	75	5	120	100	100	18	16,5	891	1782	-	-
THDEX16115	16 x 115	16	115	14	130	175	18	110	5	120	129	258	18	16,5	1942	3373	1394	2787
THDEX16135	16 x 135	16	135	14	130	175	18	110	25	120	129	258	18	16,5	1942	3373	1394	2787
THDEX16160	16 x 160	16	160	14	130	175	18	110	50	120	129	258	18	16,5	1942	3373	1394	2787

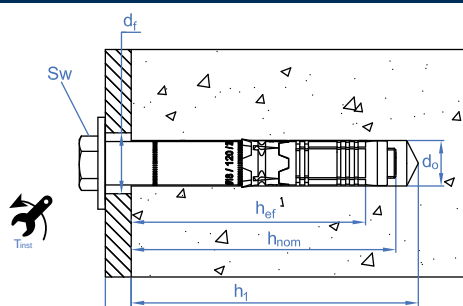
TH-DAV

Countersunk head. Option 1 ETA Assessed

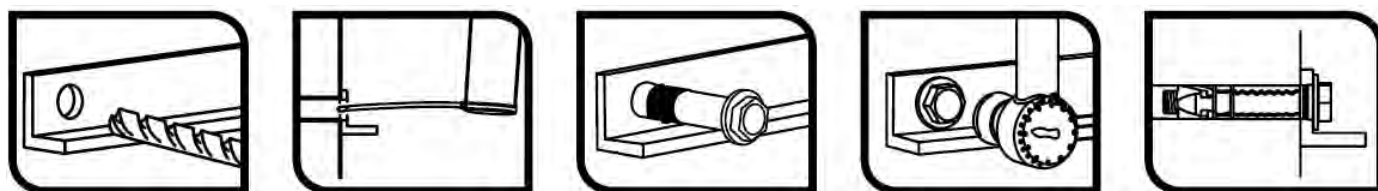
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	OUTER Ø OF THREAD	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE
THDAV07072	7,5 x 72	7,5	72	6	65	100	9	55	17	20	63	126	T30	7,5	364	437	243	437
THDAV07092	7,5 x 92	7,5	92	6	65	100	9	55	37	20	63	126	T30	7,5	364	437	243	437
THDAV07112	7,5 x 112	7,5	112	6	65	100	9	55	57	20	63	126	T30	7,5	364	437	243	437
THDAV07132	7,5 x 132	7,5	132	6	65	100	9	55	77	20	63	126	T30	7,5	364	437	243	437
THDAV07152	7,5 x 152	7,5	152	6	65	100	9	55	97	20	63	126	T30	7,5	364	437	243	437

SL

Heavy duty anchor for high performance in concrete



APPLICATION MODE



SL-PT

Option 1 ETA Assessed. Hexagon head

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE
SLPT10070	M6 x 70	M6	70	10	70	100	12	59	10	15	75	150	10	782	844	591	591
SLPT10080	M6 x 80	M6	80	10	70	100	12	59	20	15	75	150	10	782	844	591	591
SLPT10100	M6x 100	M6	100	10	70	100	12	59	40	15	75	150	10	782	844	591	591
SLPT10110	M6 x 110	M6	110	10	70	100	12	59	50	15	75	150	10	782	844	591	591
SLPT12080	M8 x 80	M8	80	12	85	120	14	72	5	30	90	180	13	1110	1922	777	1544
SLPT12090	M8 x 90	M8	90	12	85	120	14	72	15	30	90	180	13	1110	1922	777	1544
SLPT12100	M8 x 100	M8	100	12	85	120	14	72	25	30	90	180	13	1110	1922	777	1544
SLPT12120	M8 x 120	M8	120	12	85	120	14	72	45	30	90	180	13	1110	1922	777	1544
SLPT16100	M10 x 100	M10	100	16	95	140	18	83	15	50	105	210	17	1399	2797	979	1958
SLPT16120	M10 x 120	M10	120	16	95	140	18	83	35	50	105	210	17	1399	2797	979	1958
SLPT16140	M10 x 140	M10	140	16	95	140	18	83	55	50	105	210	17	1399	2797	979	1958
SLPT16160	M10 x 160	M10	160	16	95	140	18	83	75	50	105	210	17	1399	2797	979	1958
SLPT18110	M12 x 110	M12	110	18	110	170	20	97	10	80	130	255	19	1871	3743	1310	2620
SLPT18120	M12 x 120	M12	120	18	110	170	20	97	20	80	130	255	19	1871	3743	1310	2620
SLPT18140	M12 x 140	M12	140	18	110	170	20	97	40	80	130	255	19	1871	3743	1310	2620
SLPT18150	M12 x 150	M12	150	18	110	170	20	97	50	80	130	255	19	1871	3743	1310	2620
SLPT18170	M12 x 170	M12	170	18	110	170	20	97	70	80	130	255	19	1871	3743	1310	2620
SLPT18200	M12 x 200	M12	200	18	110	170	20	97	100	80	130	255	19	1871	3743	1310	2620
SLPT24140	M16 x 140	M16	140	24	130	200	26	117	20	160	150	300	24	1990	4776	1393	3343
SLPT24170	M16 x 170	M16	170	24	130	200	26	117	50	160	150	300	24	1990	4776	1393	3343
SLPT24200	M16 x 200	M16	200	24	130	200	26	117	80	160	150	300	24	1990	4776	1393	3343
SLPT24220	M16 x 220	M16	220	24	130	200	26	117	100	160	150	300	24	1990	4776	1393	3343
SLPT28170	M20 x 170	M20	170	28	160	250	31	146	20	240	190	375	30	2781	6674	1947	4672
SLPT28200	M20 x 200	M20	200	28	160	250	31	146	50	240	190	375	30	2781	6674	1947	4672
SLPT28240	M20 x 240	M20	240	28	160	250	31	146	90	240	190	375	30	2781	6674	1947	4672

SL-PC

Option 1 ETA Assessed. Countersunk head

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE
SLPC10070	M6 x 70	M6	70	10	70	100	12	59	10	15	75	150	4	782	844	591	591
SLPC10080	M6 x 80	M6	80	10	70	100	12	59	20	15	75	150	4	782	844	591	591
SLPC10100	M6 x 100	M6	100	10	70	100	12	59	40	15	75	150	4	782	844	591	591
SLPC12100	M8 x 100	M8	100	12	85	120	14	72	25	30	90	180	5	1110	1922	777	1544
SLPC16100	M10 x 100	M10	100	16	95	140	18	83	15	50	105	210	6	1399	2797	979	1958
SLPC16120	M10 x 120	M10	120	16	95	140	18	83	35	50	105	210	6	1399	2797	979	1958
SLPC18120	M12 x 120	M12	120	18	110	170	20	97	20	80	130	255	8	1871	3743	1871	2620

SL-VT

Option 8 ETA Assessed

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
SLVT08100	M8 x 100	M8	100	12	90	140	14	78	20	25	105	210	13	1422	1276
SLVT08120	M8 x 120	M8	120	12	90	140	14	78	40	25	105	210	13	1422	1276
SLVT10110	M10 x 110	M10	110	15	100	155	17	87.5	20	50	115	230	17	1637	2837
SLVT10130	M10 x 130	M10	130	15	100	155	17	87.5	40	50	115	230	17	1637	2837
SLVT12130	M12 x 130	M12	130	18	115	180	20	102	25	80	134	267	19	2054	4108
SLVT12160	M12 x 160	M12	160	18	115	180	20	102	55	80	134	267	19	2054	4108
SLVT16150	M16 x 150	M16	150	24	140	215	26	122	25	120	159	318	24	2670	4450
SLVT16180	M16 x 180	M16	180	24	140	215	26	122	55	120	159	318	24	2670	4450
SLVT20160	M20 x 160	M20	160	28	175	285	31	156	2	200	211	422	30	4074	6530
SLVT20190	M20 x 190	M20	190	28	175	285	31	156	30	200	211	422	30	4074	6530
SLVT20220	M20 x 220	M20	220	28	175	285	31	156	60	200	211	422	30	4074	6530
SLVT24210	M24 x 210	M24	210	32	195	310	35	175	30	230	233	465	36	4721	7532
SLVT24240	M24 x 240	M24	240	32	195	310	35	175	60	230	233	465	36	4721	7532

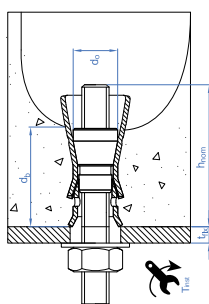
SL-VE

Projecting bolt

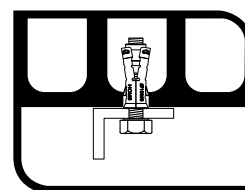
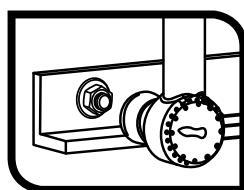
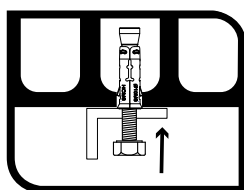
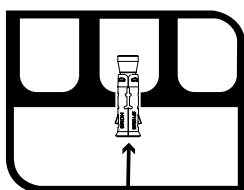
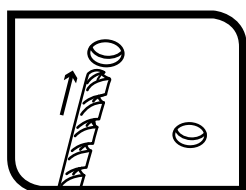
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
SLVE08100	M8 x 100	M8	100	12	90	140	14	78	20	25	105	210	13	1433	1276
SLVE08120	M8 x 120	M8	120	12	90	140	14	78	40	25	105	210	13	1433	1276
SLVE10110	M10 x 110	M10	110	15	100	155	17	87.5	20	50	115	230	17	1637	2837
SLVE10130	M10 x 130	M10	130	15	100	155	17	87.5	40	50	115	230	17	1637	2837
SLVE12130	M12 x 130	M12	130	18	115	180	20	102	25	80	134	267	19	2054	4108
SLVE12160	M12 x 160	M12	160	18	115	180	20	102	55	80	134	267	19	2054	4108
SLVE16150	M16 x 150	M16	150	24	140	215	26	122	25	120	159	318	24	2670	4450
SLVE16180	M16 x 180	M16	180	24	140	215	26	122	55	120	159	318	24	2670	4450
SLVE20160	M20 x 160	M20	160	28	175	285	31	156	2	200	211	422	30	4074	6122
SLVE20190	M20 x 190	M20	190	28	175	285	31	156	30	200	211	422	30	4074	6122
SLVE20220	M20 x 220	M20	220	28	175	285	31	156	60	200	211	422	30	4074	6122
SLVE24210	M24 x 210	M24	210	32	195	310	35	175	30	230	233	465	36	4721	7061
SLVE24240	M24 x 240	M24	240	32	195	310	35	175	60	230	233	465	36	4721	7061

HC

Hollow ceiling anchor



APPLICATION MODE



HC

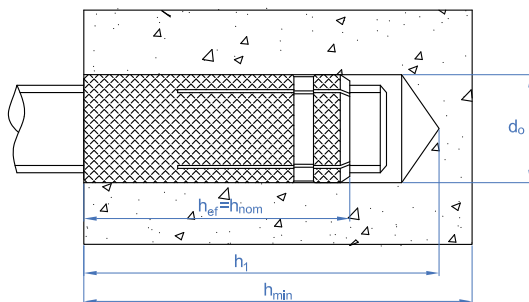
Shield

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE
HCM06	M6	M6	38	10	45	25	7	38	10	100	60	142	142
HCM08	M8	M8	44	12	50	25	9	44	20	100	70	243	243

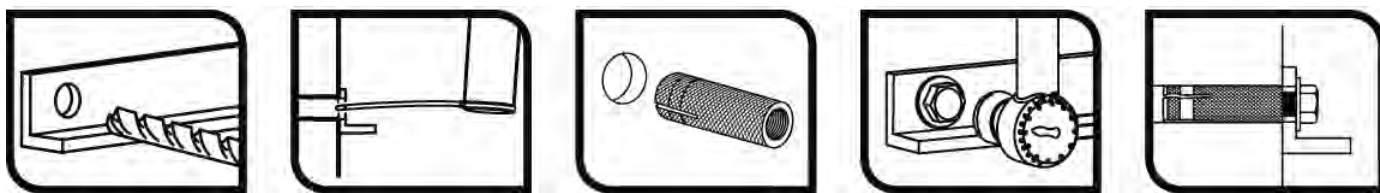
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	TENSION LOAD CRACKED CONCRETE	SHEAR LOAD CRACKED CONCRETE
HCM10	M10	M10	53	16	60	25	12	53	30	100	80	324	324

TALA

Brass expansion anchor for light fastenings in solid materials



APPLICATION MODE



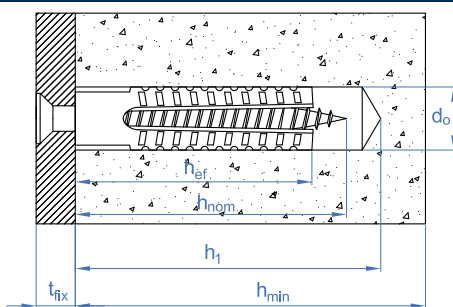
TALA

Brass expansion anchor for light fixings in solid materials

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	MIN. ANCHOR DEPTH	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	TENSION LOAD NON-CRACKED CONCRETE
TALA532	W5/32	W5/32	16	5	20	25	16	24	48	60
TALAM04	M4	M4	16	5	20	25	16	24	48	60
TALAM05	M5	M5	18	6	22	30	18	27	54	70
TALAM06	M6	M6	23	8	28	35	23	35	69	100
TALAM08	M8	M8	28	10	33	40	28	42	84	150
TALAM10	M10	M10	34	12	40	45	34	51	102	210
TALAM12	M12	M12	38	15	45	50	38	57	114	320

TA-ME

Steel expansion plug



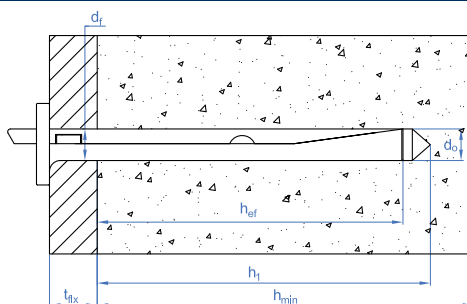
TA-ME

Steel expansion plug

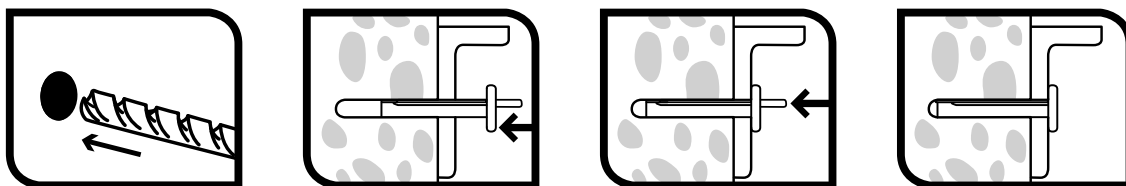
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	TENSION LOAD NON-CRACKED CONCRETE
TAME05030	M5	M5	30	5	40	60	5	120	60	20
TAME06032	M6	M6	32	6	40	60	6	120	60	22
TAME08038	M8	M8	38	8	50	70	8	140	70	40
TAME08060	M8	M8	60	8	70	120	8	240	120	47
TAME10060	M10	M10	60	10	70	120	10	240	120	52

AN-CU

Wedge-type, hammer-drive metal anchor



APPLICATION MODE

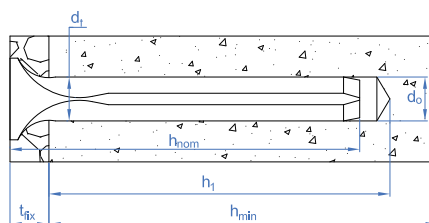
**AN-CU**

Wedge-type, hammer-drive metal anchor

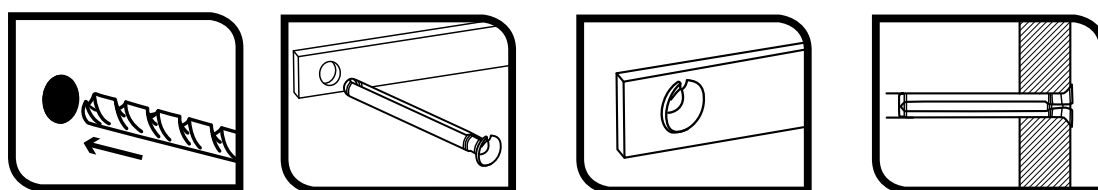
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MAX. FIXTURE THICKNESS	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
ANCU06040	6 x 40	6	40	6	40	80	7	5	120	120
ANCU06070	6 x 70	6	70	6	40	80	7	35	120	120

TRA

Express nail for batten fixings to concrete floors



APPLICATION MODE

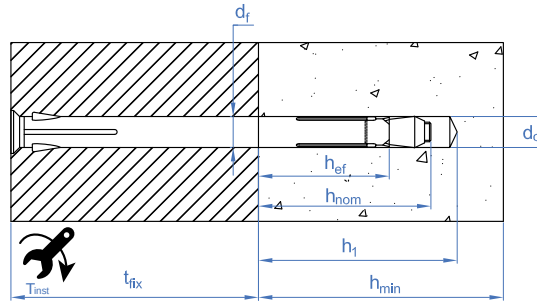
**TRA**

Express nail for batten fixings to concrete floors

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
TRA6030	6 x 30	6	30	6	35	32	6	27	3	35	27
TRA6050	6 x 50	6	50	6	40	35	6	30	20	40	30
TRA6060	6 x 60	6	60	6	40	35	6	30	30	40	30
TRA6080	6 x 80	6	80	6	40	35	6	30	50	40	30
TRA8070	8 x 70	8	70	8	50	45	8	40	30	50	40
TRA8090	8 x 90	8	90	8	50	45	8	40	50	50	40
TRA8110	8 x 110	8	110	8	50	45	8	40	70	50	40
TRA8130	8 x 130	8	130	8	50	45	8	40	90	50	40
TRA8150	8 x 150	8	150	8	50	45	8	40	110	50	40

EPS

Metal anchor for fixing window and door frames



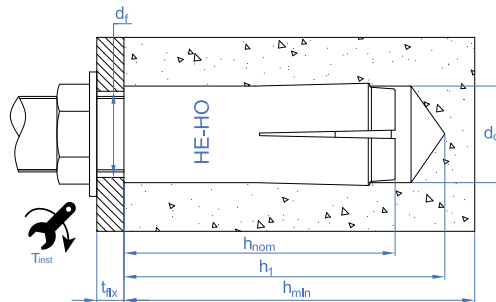
EPS

Metal anchor for fixing window and door frames

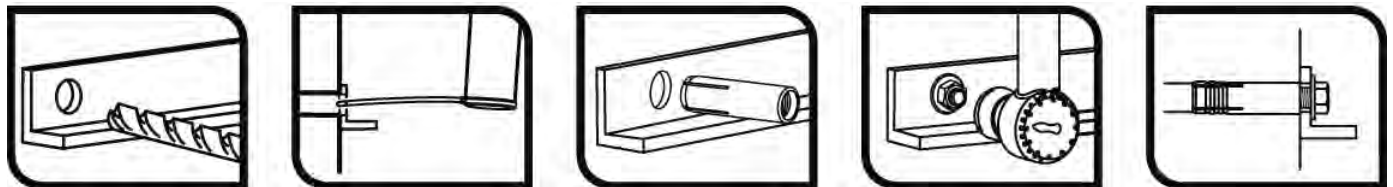
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	TENSION LOAD NON-CRACKED CONCRETE
EPS6072	M6 x 72	M6	72	10	60	70	10	40	40	4	170
EPS6092	M6 x 92	M6	92	10	60	70	10	40	60	4	170
EPS6112	M6 x 112	M6	112	10	60	70	10	40	80	4	170
EPS6132	M6 x 132	M6	132	10	60	70	10	40	100	4	170
EPS6152	M6 x 152	M6	152	10	60	70	10	40	120	4	170
EPS6182	M6 x 182	M6	182	10	60	70	10	40	150	4	170

HE

Drop in anchor with internal thread for heavy loads



APPLICATION MODE



HE-HO

Option 7 ETA Assessed for structural and non-structural uses

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
HEHOM06	M6	M6	25	8	27	100	7	25	4	105	60	218	306
HEHOM08	M8	M8	30	10	33	100	9	30	11	105	90	287	402
HEHOM10	M10	M10	40	12	43	100	12	40	17	140	80	442	530
HEHOM12	M12	M12	50	15	54	100	14	50	38	175	100	618	865
HEHOM16	M16	M16	65	20	70	130	18	65	60	230	130	916	1893
HEHOM20	M20	M20	80	25	86	160	22	80	100	280	160	1250	267
HEHOM12D	M12	M12	50	16	54	100	14	50	38	175	100	-	-

HE-NO

Zinc-plated

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
HENOM06	M6	M6	25	8	27	100	7	25	4	105	60	175	306
HENOM08	M8	M8	30	10	33	100	9	30	11	105	90	230	402
HENOM10	M10	M10	40	12	43	100	12	40	17	140	80	354	530
HENOM12	M12	M12	50	15	54	100	14	50	38	175	100	494	865
HENOM16	M16	M16	65	20	70	130	18	65	60	230	130	733	1893
HENOM20	M20	M20	80	25	86	160	22	80	100	280	160	1000	2767

HE-CL

Option 7 ETA Assessed for structural and non-structural uses. With flared lip

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
HECLOM06	M6	M6	25	8	27	100	7	25	4	105	60	175	306
HECLOM08	M8	M8	30	10	33	100	9	30	11	105	90	230	402
HECLOM10	M10	M10	40	12	43	100	12	40	17	140	80	354	530
HECLOM12	M12	M12	50	15	54	100	14	50	38	175	100	494	865
HECLOM16	M16	M16	65	20	70	130	18	65	60	230	130	733	1893
HECLOM12D	M12	M12	50	16	54	100	14	50	38	175	160	721	1228

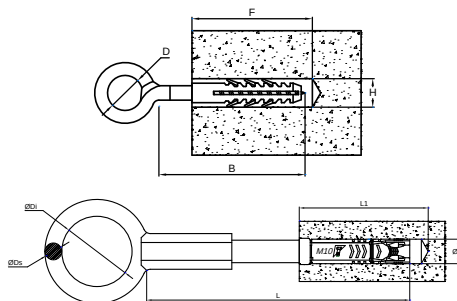
HE-A4

Stainless steel A4

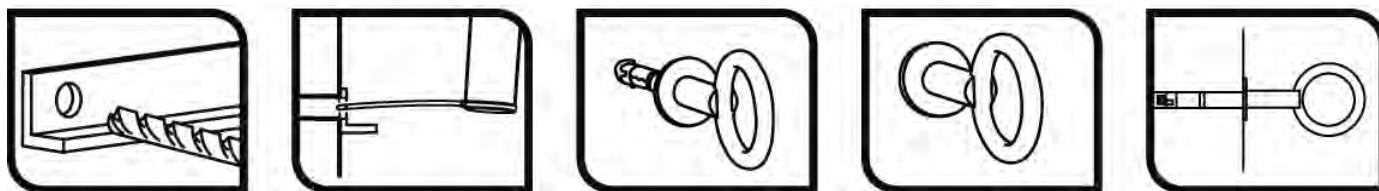
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
HEA4M06	M6	M6	25	8	27	100	7	25	4	105	60	212	255
HEA4M08	M8	M8	30	10	32	100	9	30	11	105	90	279	335
HEA4M10	M10	M10	40	12	42	100	12	40	22	140	80	364	516
HEA4M12	M12	M12	50	15	52	100	14	50	38	175	100	601	721
HEA4M16	M16	M16	65	20	70	130	18	65	60	230	130	890	1642
HEA4M20	M20	M20	80	25	85	160	22	80	100	280	160	1214	2610

ANFA

Scaffolding anchoring



APPLICATION MODE



AN-23

Eye diameter 23 mm

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	MIN. ANCHOR DEPTH	VALID FOR	EYE BOLT Ø	TENSION LOAD NON-CRACKED CONCRETE
ANFA2309	12 x 90	12	90	14 o 16	100	130	90	TCSO Ø14 o Ø16	23	119
ANFA2312	12 x 120	12	120	14 o 16	130	160	120	TCSO Ø14 o Ø16	23	119
ANFA2316	12 x 160	12	160	14 o 16	170	200	160	TCSO Ø14 o Ø16	23	119
ANFA2319	12 x 190	12	190	14 o 16	200	230	190	TCSO Ø14 o Ø16	23	119
ANFA2323	12 x 230	12	230	14 o 16	240	270	230	TCSO Ø14 o Ø16	23	119
ANFA2330	12 x 300	12	300	14 o 16	310	340	300	TCSO Ø14 o Ø16	23	119
ANFA2335	12 x 350	12	350	14 o 16	360	390	350	TCSO Ø14 o Ø16	23	119

AN-51

Eye diameter 51 mm

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	MIN. ANCHOR DEPTH	EYE BOLT Ø	TENSION LOAD NON-CRACKED CONCRETE
ANFA5114	12 x 140	12	140	14 o 16	150	180	140	51	119
ANFA5116	12 x 160	12	160	14 o 16	170	200	160	51	119
ANFA5120	12 x 200	12	200	14 o 16	210	240	200	51	119
ANFA5124	12 x 240	12	240	14 o 16	250	280	240	51	119

AN-50 CT

Eye diameter 50 mm + zamak shield M10

CODE	MXL	METRIC	LENGTH	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	EYE BOLT Ø	TENSION LOAD NON-CRACKED CONCRETE
ANFAZ5021	M10 x 210	M10	210	120	160	55	77	50	200

CONCRETE SET UP

1 DRILL

Check:

- The concrete base is compact and porosity is insignificant.
- That the product is suitable for wet, dry or flooded drill holes.
- Check cartridge temperature is correct (check table).
- Check base material temperature is correct (check table).

Use drill in percussion or hammer mode.

Drill to the specified diameter and depth values specified in the product data sheet.

2 - 6 BLOW AND CLEAN

Clear the drill holes completely of dust and fragments by following the procedure shown in the picture. Use the air pump and brush.

If the product is not suitable for wet drill holes and the hole is flooded, the water inside must be removed before mortar is injected.

A - B* - C OPEN CARTRIDGE

Screw the nozzle into the cartridge and place the assembly in the application gun. Squeeze on the trigger repeatedly until the mortar comes out of the nozzle in a uniform grey colour.

Any iridescence indicates improper mixing. Always discard the first two doses of each cartridge: these are never to be used for fixing. *For 300 ml cartridges, cut end of bag, behind seal clip. ** Valid only for 300 ml and 410 ml cartridges. For MOPURE and MOPUR3 see technical data sheet

7 INJECT MORTAR

Insert the nozzle to the bottom of the drill hole and apply mortar: gradually remove the nozzle, ensuring there are no air bubble.

Fill the hole to $\frac{1}{2}$ and $\frac{3}{4}$ of its depth.

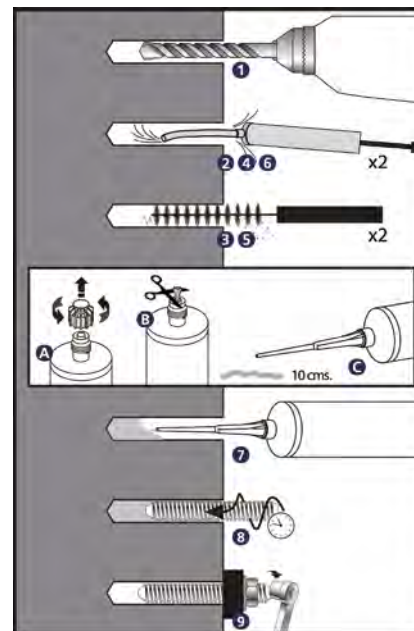
In the event of not fully using the cartridge, leave nozzle attached. Only change if using again and handling time has expired, remembering to discard the first two doses of mortar.

8 INSTALLATION

Introduce the stud to be installed by screwing it lightly down to the installation depth value manually; ensuring the mortar covers the stud thread. The introduction of the anchor must take place within the handling time. The mortar must seep from the top of the drill hole to ensure it is completely full and there are no gaps between the stud and the drill hole

9 APPLY TORQUE

Once the curing time has elapsed, apply torque, never exceeding the values indicated in the table.



Chemical anchor for heavy loads, for use in hollow and solid elements.

M0

MASONRY SET UP

1 DRILL

Check:

- The concrete base is compact and porosity is insignificant.
- That the product is suitable for wet, dry or flooded drill holes.
- Check cartridge temperature is correct (check table).
- Check base material temperature is correct (check table).

Use drill in rotation mode.

Drill to the specified diameter and depth values specified in the product data sheet.

2 - 6 BLOW AND CLEAN

Clear the drill holes completely of dust and fragments by following the procedure shown in the picture.

If the drill hole is flooded, the water must be removed before mortar is injected.

4 POSITION SLEEVE [S]

Insert the metal or plastic sleeve into the drill hole so it is level with the surface of the base material.

A - B* - C OPEN CARTRIDGE**

Screw the nozzle into the cartridge and place the assembly in the application gun. Squeeze on the trigger repeatedly until the mortar comes out of the nozzle in a uniform grey colour. Any iridescence indicates improper mixing. Always discard the first two doses of each cartridge, these are never to be used for fixing. *For 170 ml and 300 ml cartridges, cut end of bag, behind seal clip. ** Valid only for 300 ml and 410 ml cartridges. For MOPURE and MOPUR3 see technical data sheet..

5 INJECT MORTAR

Insert the nozzle to the bottom of the drill hole and apply mortar: gradually remove the nozzle, ensuring there are no air bubbles. Fill the sleeve fully.

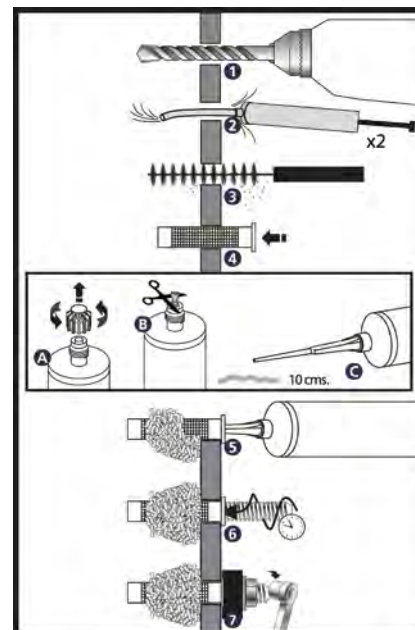
In the event of not fully using the cartridge, leave nozzle attached. Only change if using again and handling time has expired, remembering to discard the first two doses of mortar.

6 INSTALLATION

Introduce the stud to be installed by screwing it lightly down to the installation depth value manually; ensuring the mortar covers the stud thread. The introduction of the anchor must take place within the handling time. The mortar must seep from the top of the sleeve hole to ensure it is completely full and there are no gaps between the stud and the drill hole.

7 APPLY TORQUE

Once the curing time has elapsed, apply torque, never exceeding the values indicated in the table.



INSTALLATION WITH PLASTIC SLEEVE

SIZE	M8	M10	M12
OUTER SLEEVE DIAMETER	15	15	20
DRILL HOLE LENGTH	90	90	90
PLASTIC SLEEVE	MOTN15085	MOTN15085	MOTN20085

INSTALLATION WITH STEEL THREADED SLEEVE

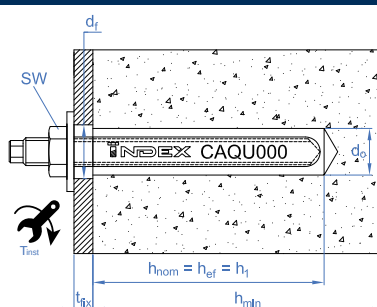
SIZE	M8	M10	M12
OUTER SLEEVE DIAMETER	15	20	20
DRILL HOLE LENGTH	90	90	90
METAL THREADED SLEEVE	MOTR008	MOTR010	MOTR012
PLASTIC SLEEVE	MOTN15085	MOTN20085	MOTN20085

MANIPULATION / CURED TIMES

		0 / 5	5 / 10	10 / 15	15 / 20	20 / 25	25 / 30	30 / 35	35 / 40	+40	
Minutes	MO-P	HANDLING	18	12	6	6	4	3	2	1,5	1,5
		CURING	120	120	80	80	40	30	20	15	10
	MO-PS	HANDLING	18	10	6	6	5	4	4	--	--
		CURING	145	145	85	85	40	35	35	--	--
	MO-PSP	HANDLING	18	10	6	6	5	4	4	--	--
		CURING	145	145	85	85	40	35	35	--	--
	MO-V	HANDLING	18	12	6	6	4	3	2	1,5	1,5
		CURING	120	120	80	80	40	30	20	15	10
	MO-VS	HANDLING	18	10	6	6	5	4	4	--	--
		CURING	145	145	85	85	50	40	35	--	--
	MO-H	HANDLING	--	10	8	6	5	4	--	--	--
		CURING	--	145	85	75	50	40	--	--	--
	MO-HW	HANDLING	10	5	5	5	100 s	--	--	--	--
		CURING	75	50	50	50	20	--	--	--	--
	MOPURE	HANDLING	--	20	20	15	11	8	6	4	3
		CURING	--	1440	720	480	420	360	300	240	180
	MOPUR3	HANDLING	300	150	40	25	18	12	8	6	--
		CURING	1440	1440	1080	720	480	360	240	120	--
	MO-B	HANDLING	18	12	6	6	4	3	2	1,5	1,5
		CURING	120	120	80	80	40	30	20	15	10

CA

Chemical anchor capsule



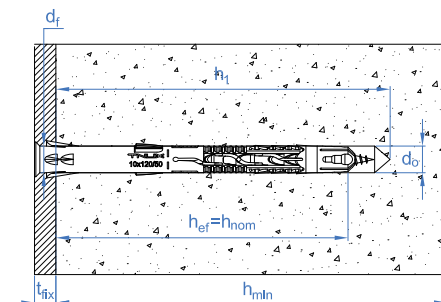
CA-QU

Epoxy resin, quartz and a phial of hardener. Option 8 ETA Assessed

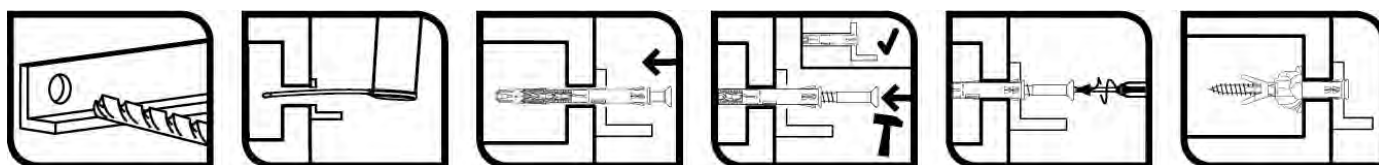
CODE	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	SUITABLE FOR
CAQU008	10	80	110	9	80	17	10	120	240	13	809	524	M8 x 110
CAQU010	12	90	120	12	90	25	20	90	180	17	1214	815	M10 x 130
CAQU012	14	110	140	14	110	32	40	110	220	19	1618	1223	M12 x 160
CAQU016	18	125	160	18	125	44	80	125	250	24	2023	2272	M16 x 190
CAQU020	25	170	220	22	170	66	120	170	340	30	3034	3553	M20 x 260
CAQU024	28	210	260	26	210	62	180	210	420	36	3641	5126	M24 x 300
CAQU030	35	280	360	33	280	22	400	280	560	46	5461	8496	M30 x 330

T-NUX

Universal frame anchor



APPLICATION MODE



T-NUX A

Countersunk head. ETA Assessed

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK
TNUXA08060	8 x 60	8	60	8	70	100	8 - 8,5	70	-	60	100	T30	141	263	26
TNUXA08080	8 x 80	8	80	8	90	100	8 - 8,5	70	10	60	100	T30	141	263	26
TNUXA08100	8 x 100	8	100	8	90	100	8 - 8,5	70	30	60	100	T30	141	263	26
TNUXA08120	8 x 120	8	120	8	90	100	8 - 8,5	70	50	60	100	T30	141	263	26
TNUXA10060	10 x 60	10	60	10	70	100	10 - 11	70	-	60	100	T40	202	364	26
TNUXA10080	10 x 80	10	80	10	90	100	10 - 11	70	10	70	100	T40	202	364	26
TNUXA10100	10 x 100	10	100	10	90	100	10 - 11	70	30	70	100	T40	202	364	26
TNUXA10120	10 x 120	10	120	10	90	100	10 - 11	70	50	70	100	T40	202	364	26
TNUXA10140	10 x 140	10	140	10	90	100	10 - 11	70	70	70	100	T40	202	364	26
TNUXA10160	10 x 160	10	160	10	90	100	10 - 11	70	90	70	100	T40	202	364	26
TNUXA10180	10 x 180	10	180	10	90	100	10 - 11	70	110	70	100	T40	202	364	26
TNUXA10200	10 x 200	10	200	10	90	100	10 - 11	70	130	70	100	T40	202	364	26
TNUXA10230	10 x 230	10	230	10	90	100	10 - 11	70	160	70	100	T40	202	364	26

T-NUX E

Hexagonal washer head. ETA Assessed

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK
TNUXE08060	8 x 60	8	60	8	70	100	8 - 8,5	70	-	60	100	SW10	141	263	26
TNUXE08080	8 x 80	8	80	8	90	100	8 - 8,5	70	10	60	100	SW10	141	263	26
TNUXE08100	8 x 100	8	100	8	90	100	8 - 8,5	70	30	60	100	SW10	141	263	26
TNUXE08120	8 x 120	8	120	8	90	100	8 - 8,5	70	50	60	100	SW10	141	263	26
TNUXE10060	10 x 60	10	60	10	70	100	10 - 11	70	-	70	100	SW13	202	364	26
TNUXE10080	10 x 80	10	80	10	90	100	10 - 11	70	10	70	100	SW13	202	364	26
TNUXE10100	10 x 100	10	100	10	90	100	10 - 11	70	30	70	100	SW13	202	364	26
TNUXE10120	10 x 120	10	120	10	90	100	10 - 11	70	50	70	100	SW13	202	364	26
TNUXE10140	10 x 140	10	140	10	90	100	10 - 11	70	70	70	100	SW13	202	364	26
TNUXE10160	10 x 160	10	160	10	90	100	10 - 11	70	90	70	100	SW13	202	364	26
TNUXE10180	10 x 180	10	180	10	90	100	10 - 11	70	110	70	100	SW13	202	364	26
TNUXE10200	10 x 200	10	200	10	90	100	10 - 11	70	130	70	100	SW13	202	364	26
TNUXE10230	10 x 230	10	230	10	90	100	10 - 11	70	160	70	100	SW13	202	364	26

T-NUX T

Tamper-proof Truss Head. ETA Assessed.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK
TNUTX10080	10 x 80	10	80	10	90	10	10 - 11	70	10	70	100	T40	202	425	26
TNUTX10100	10 x 100	10	100	10	90	30	10 - 11	70	30	70	100	T40	202	425	26
TNUTX10120	10 x 120	10	120	10	90	50	10 - 11	70	50	70	100	T40	202	425	26
TNUTX10140	10 x 140	10	140	10	90	70	10 - 11	70	70	70	100	T40	202	425	26
TNUTX10160	10 x 160	10	160	10	90	90	10 - 11	70	90	70	100	T40	202	425	26

T-FUX E

Cylindrical head wall plug. Hexagonal cap screw. ETA Assessed.

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK
TFUXE10080	10 x 80	10	80	10	90	10	10 - 11	70	10	70	100	T40	202	425	26
TFUXE10100	10 x 100	10	100	10	90	30	10 - 11	70	30	70	100	T40	202	425	26
TFUXE10120	10 x 120	10	120	10	90	50	10 - 11	70	50	70	100	T40	202	425	26

T-NUX A A4

Stainless steel A4. Countersunk head. ETA Assessed

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK
TNXA408080	8 x 80	8	80	8	90	100	8 - 8,5	70	10	60	100	T30	141	307	26
TNXA408100	8 x 100	8	100	8	90	100	8 - 8,5	70	30	60	100	T30	141	307	26
TNXA408120	8 x 120	8	120	8	90	100	8 - 8,5	70	50	60	100	T30	141	307	26
TNXA410080	10 x 80	10	80	10	90	100	10 - 11	70	10	70	100	T40	202	425	26
TNXA410100	10 x 100	10	100	10	90	100	10 - 11	70	30	70	100	T40	202	425	26
TNXA410120	10 x 120	10	120	10	90	100	10 - 11	70	50	70	100	T40	202	425	26
TNXA410140	10 x 140	10	140	10	90	100	10 - 11	70	70	70	100	T40	202	425	26

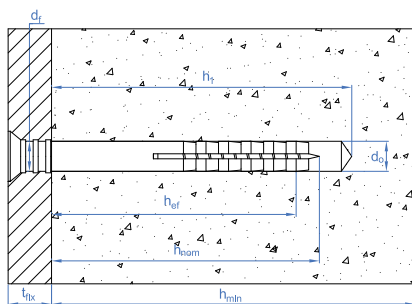
T-NUX E A4

Stainless steel A4. Hexagonal washer head. ETA Assessed

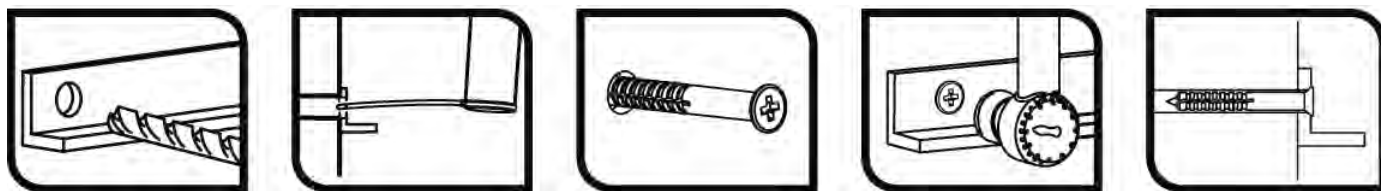
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	Ø ELEMENT TO FIX	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	MIN. DISTANCE TO EDGE "A"	MIN. DISTANCE FROM AXIS "B"	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK
TNXE408080	8 x 80	8	80	8	90	100	8 - 8,5	70	10	60	100	SW10	141	307	26
TNXE408100	8 x 100	8	100	8	90	100	8 - 8,5	70	30	60	100	SW10	141	307	26
TNXE410080	10 x 80	10	80	10	90	100	10 - 11	70	10	70	100	SW13	202	425	26
TNXE410100	10 x 100	10	100	10	90	100	10 - 11	70	30	70	100	SW13	202	425	26
TNXE410120	10 x 120	10	120	10	90	100	10 - 11	70	50	70	100	SW13	202	425	26
TNXE410140	10 x 140	10	140	10	90	100	10 - 11	70	70	70	100	SW13	202	425	26

TC

Hammerfix assembled anchor, saw-tooth thread, polyamide 6.6



APPLICATION MODE



TC-CA

Countersunk plug

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MAX. FIXTURE THICKNESS	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK	SCREW SIZE
TCCA05025	5 x 25	5	25	5	30	5	PZ 2	20	20	4	3,5x30
TCCA05030	5 x 30	5	30	5	30	5	PZ 2	20	20	4	3,5x35
TCCA05035	5 x 35	5	35	5	30	10	PZ 2	20	20	4	3,5x40
TCCA05050	5 x 50	5	50	5	30	25	PZ 2	20	20	4	3,5x55
TCCA06035	6 x 35	6	35	6	35	10	PZ 2	27	26	5	3,8x40
TCCA06040	6 x 40	6	40	6	35	10	PZ 2	27	26	5	3,8x45
TCCA06050	6 x 50	6	50	6	35	20	PZ 2	27	26	5	3,8x55
TCCA06060	6 x 60	6	60	6	35	30	PZ 2	27	26	5	3,8x65
TCCA06070	6 x 70	6	70	6	35	40	PZ 2	27	26	5	3,8x75
TCCA06080	6 x 80	6	80	6	35	50	PZ 2	27	26	5	3,8x85
TCCA08060	8 x 60	8	60	8	45	20	PZ 3	38	30	7	4,8x65
TCCA08080	8 x 80	8	80	8	45	40	PZ 3	38	30	7	4,8x85
TCCA08100	8 x 100	8	100	8	45	60	PZ 3	38	30	7	4,8x105
TCCA08120	8 x 120	8	120	8	45	80	PZ 3	38	30	7	4,8x125
TCCA08140	8 x 135	8	135	8	45	100	PZ 3	38	30	7	4,8x145

TC-CC

Cylindrical plug

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MAX. FIXTURE THICKNESS	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK	SCREW SIZE
TCCC05025	5 x 25	5	25	5	30	5	PZ 2	20	20	4	3,5x30
TCCC05030	5 x 30	5	30	5	30	5	PZ 2	20	20	4	3,5x35
TCCC05035	5 x 35	5	35	5	30	10	PZ 2	20	20	4	3,5x40
TCCC05050	5 x 50	5	50	5	30	25	PZ 2	20	20	4	3,5x55
TCCC06035	6 x 35	6	35	6	35	10	PZ 2	27	26	5	3,8x40

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MAX. FIXTURE THICKNESS	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK	SCREW SIZE
TCCC06040	6 x 40	6	40	6	35	10	PZ 2	27	26	5	3,8x45
TCCC06050	6 x 50	6	50	6	35	20	PZ 2	27	26	5	3,8x55
TCCC06060	6 x 60	6	60	6	35	30	PZ 2	27	26	5	3,8x65
TCCC06070	6 x 70	6	70	6	35	40	PZ 2	27	26	5	3,8x75
TCCC08060	8 x 60	8	60	8	45	20	PZ 3	38	30	7	4,8x65
TCCC08080	8 x 80	8	80	8	45	40	PZ 3	38	30	7	4,8x85
TCCC08100	8 x 100	8	100	8	45	60	PZ 3	38	30	7	4,8x105
TCCC08120	8 x 120	8	120	8	45	80	PZ 3	38	30	7	4,8x125
TCCC08140	8 x 135	8	135	8	45	100	PZ 3	38	30	7	4,8x145

TC-SP

Nailable high expansion countersunk wall plug

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MAX. FIXTURE THICKNESS	N° RECESS	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK
TCSP05027	5 x 27	5	27	5	25	5	PZ 2	7	5
TCSP06032	6 x 32	6	32	6	30	5	PZ 2	10	7
TCSP06040	6 x 40	6	40	6	30	10	PZ 2	10	7

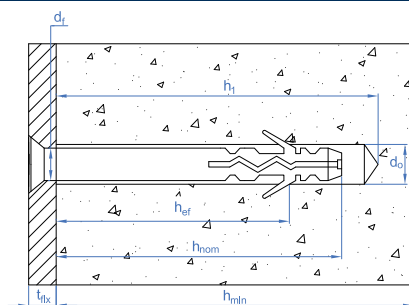
TC-A2

Countersunk plug, stainless steel A2 screw

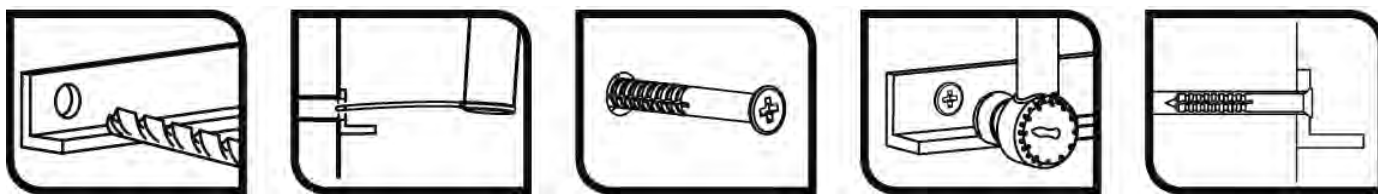
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MAX. FIXTURE THICKNESS	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK	SCREW SIZE
TCA205030	5 x 30	5	30	5	30	5	PZ 2	20	20	4	3,5x35
TCA206040	6 x 40	6	40	6	35	10	PZ 2	27	26	5	3,8x45
TCA206060	6 x 60	6	60	6	35	30	PZ 2	27	26	5	3,8x65
TCA208060	8 x 60	8	60	8	45	20	PZ 3	38	30	7	4,8x65
TCA208080	8 x 80	8	80	8	45	40	PZ 3	38	30	7	4,8x85
TCA208100	8 x 100	8	100	8	45	60	PZ 3	38	30	7	4,8x105

TCA

Nylon plug



APPLICATION MODE



TC-2A

Two winged nylon plug with countersunk screw

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MAX. FIXTURE THICKNESS	N° RECESS	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK	SCREW SIZE
TC2A06060	6 x 60	6	60	6	35	30	PZ 2	34	28	7	4,0x65
TC2A08060	8 x 60	8	60	8	45	20	PZ 3	34	37	37	5,5x65
TC2A08080	8 x 80	8	80	8	45	40	PZ 3	40	37	37	5,5x85
TC2A08100	8 x 100	8	100	8	45	60	PZ 3	40	37	37	5,5x105
TC2A08120	8 x 120	8	120	8	45	80	PZ 3	40	37	37	5,5x125
TC2A10065	10 x 65	10	65	10	50	20	PZ 4	45	55	55	7,0x70
TC2A10080	10 x 80	10	80	10	50	35	PZ 4	45	55	55	7,0x85
TC2A10100	10 x 100	10	100	10	50	55	PZ 4	45	55	55	7,0x105
TC2A10115	10 x 115	10	115	10	50	70	PZ 4	45	55	55	7,0x120
TC2A10135	10 x 135	10	135	10	50	90	PZ 4	45	55	55	7,0x135
TC2A10160	10 x 160	10	160	10	50	115	PZ 4	45	55	55	7,0x160

TC-6A

Two winged nylon plug with countersunk screw

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MAX. FIXTURE THICKNESS	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD HOLLOW BRICK	TENSION LOAD SOLID BRICK	SCREW SIZE
TC6A08080	8 x 80	8	80	8	70	15	TX30	64	37	18	37	5,0x85
TC6A08100	8 x 100	8	100	8	70	35	TX30	64	37	18	37	5,0x105
TC6A08120	8 x 120	8	120	8	70	55	TX30	64	37	18	37	5,0x125
TC6A10100	10 x 100	10	100	10	80	25	TX40	109	55	26	53	7,0x105
TC6A10120	10 x 120	10	120	10	80	40	TX40	109	55	26	53	7,0x120
TC6A10140	10 x 140	10	140	10	80	60	TX40	109	55	26	53	7,0x140
TC6A10160	10 x 160	10	160	10	80	85	TX40	109	55	26	53	7,0x165
TC6A10200	10 x 200	10	200	10	80	125	TX40	109	55	26	53	7,0x205

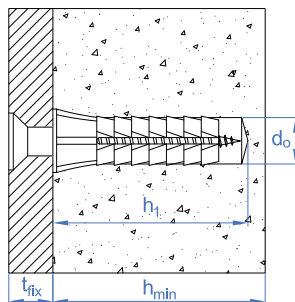
TC-6E

Two winged nylon plug with countersunk screw

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MAX. FIXTURE THICKNESS	INSTALLATION KEY	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE	TENSION LOAD HOLLOW BRICK	TENSION LOAD SOLID BRICK	SCREW SIZE
TC6E08080	8 x 80	8	80	8	70	15	10	64	37	18	37	5,0x85
TC6E08100	8 x 100	8	100	8	70	35	10	64	37	18	37	5,0x105
TC6E08120	8 x 120	8	120	8	70	55	10	64	37	18	37	5,0x125
TC6E10100	10 x 100	10	100	10	80	25	13	109	55	26	53	7,0x105
TC6E10120	10 x 120	10	120	10	80	40	13	109	55	26	53	7,0x120
TC6E10140	10 x 140	10	140	10	80	60	13	109	55	26	53	7,0x140
TC6E10160	10 x 160	10	160	10	80	85	13	109	55	26	53	7,0x165
TC6E10200	10 x 200	10	200	10	80	125	13	109	55	26	53	7,0x205

TA-PL

Plastic plug, polypropylene



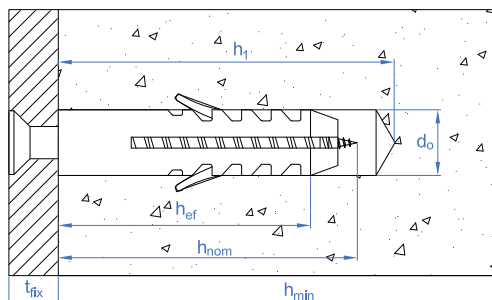
TA-PL

Plastic plug, polypropylene

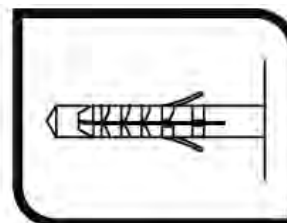
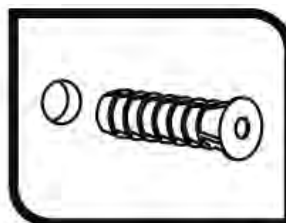
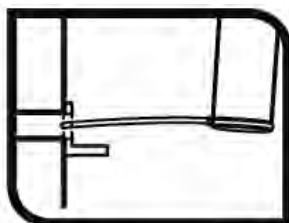
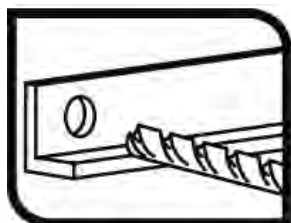
CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	MAX. FIXTURE THICKNESS	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD HOLLOW BRICK	TENSION LOAD SOLID BRICK	SCREW SIZE
TACOP05	5 x 21	5	21	5	21	25	1	5	8	10	TTPO
TACOP06	6 x 22	6	22	6	22	25	1	5	10	12	TTPO
TACOP07	7 x 23	7	24	7	23	30	1	6	12	15	TTPO
TACOP08	8 x 27	8	27	8	27	30	1.5	9	18	24	TTPO
TACOP09	9 x 30	9	30	9	30	35	1.5	9	24	30	TTPO
TACOP10	10 x 35	10	35	10	35	40	2	13	40	48	TTPO
TACOP11	10 x 43	10	45	10	43	50	2	15	44	54	TTPO
TACOP12	12 x 45	12	50	12	45	60	2.5	17	60	72	TTPO
TACOP14	14 x 48	14	55	14	48	60	2.5	28	70	85	TTPO

TACON

Nylon plug



APPLICATION MODE

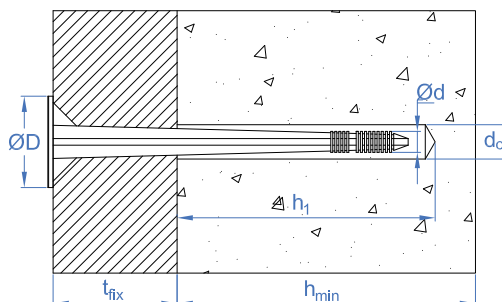


TACON/TACOL/TACOL-A Nylon plug

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	MIN. ANCHOR DEPTH	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK	SCREW SIZE
TACON04	4 x 20	4	20	4	25	30	20	6	4	TPPO 2,5-3
TACON05/TACOL05	5 x 25	5	25	5	35	40	25	7	5	TPPO 2,5-4
TACON06/TACOL06/ TACOLA06	6 x 30	6	30	6	40	45	30	10	5	TPPO 3,5-4
TACON07	7 x 30	7	30	7	40	45	30	11	6	TPPO 4-4,5
TACON08/TACOL08	8 x 40	8	40	8	50	55	40	12	11	TPPO 4,5, TB 5-6
TACON10/TACOL10	10 x 50	10	50	10	65	70	50	61	16	TB 6-8
TACON12/TACOL12	12 x 60	12	60	12	75	80	60	76	28	TB 8-10
TACON14	14 x 70	14	70	14	90	95	70	167	88	TB 10-12
TACON16	16 x 80	16	80	16	95	100	80	240	100	TB 12-14

AIS

Fixing plug for insulation panels



AIS

Plug

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	WASHER Ø	TENSION LOAD NON-CRACKED CONCRETE
AIS08080	8 x 80	8	80	8	30	50	30	20 - 50	35	10
AIS08100	8 x 100	8	100	8	30	50	30	50 - 70	35	10
AIS08120	8 x 120	8	110	8	30	50	30	70 - 90	35	10
AIS08140	8 x 140	8	130	8	30	50	30	90 - 110	35	10

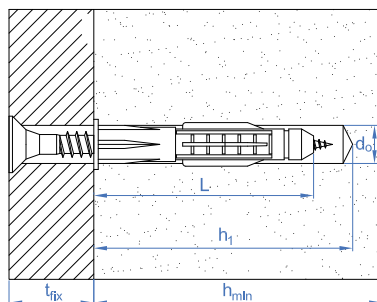
AIS-C

Plug with nail

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	WASHER Ø	TENSION LOAD NON-CRACKED CONCRETE
AISC10070	10 x 70	10	70	10	30	70	30	30 - 40	52	14
AISC10090	10 x 90	10	90	10	30	70	30	40 - 60	52	14
AISC10110	10 x 110	10	110	10	30	70	30	60 - 80	52	14
AISC10130	10 x 130	10	130	10	30	70	30	80 - 100	52	14

MEDU

Universal plug with collar and knot-like segment



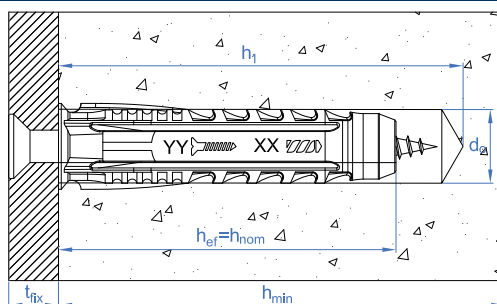
MEDU

Universal plug with collar and knot-like segment. Polypropylene

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD HOLLOW BRICK	TENSION LOAD SOLID BRICK	SUITABLE FOR
MEDUB06	6 x 35	6	35	6	45	65	20	17	14	TPPO 3,5-4
MEDUB07	8 x 42	8	42	8	50	70	26	23	20	TPPO 4
MEDUB08	8 x 50	8	50	8	60	80	32	28	24	TPPO 4-4,5
MEDUB10	10 x 60	10	60	10	75	95	38	33	28	TPPO 5-6, TB 5-6

T4S

4-way expansion plug for all materials



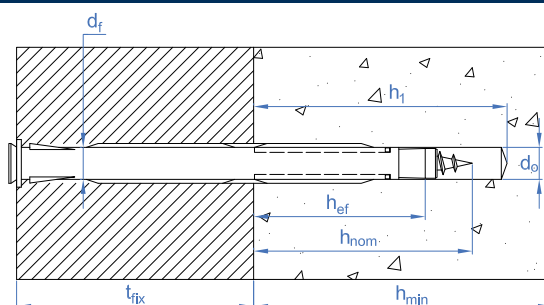
TN4S

4-way expansion nylon plug

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. SUBSTRATE THICKNESS	MIN. ANCHOR DEPTH	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD HOLLOW BRICK	TENSION LOAD SOLID BRICK	SCREW SIZE
TN4S05	5 x 25	5	25	5	30	35	25	15	4	7	TPPO 2,5-4
TN4S06	6 x 30	6	30	6	40	45	30	15	4	7	TPPO 3,5-4
TN4S08	8 x 40	8	40	8	50	55	40	40	8	16	TPPO 4,5, TB 5-6
TN4S10	10 x 50	10	50	10	60	65	50	116	11	23	TB 6-8
TN4S12	12 x 60	12	60	12	70	75	60	108	20	40	TB 8-10
TN4S14	14 x 70	14	70	14	80	85	70	193	63	125	TB 10-12

EPN

Nylon plastic anchor for fixing windows and door frames



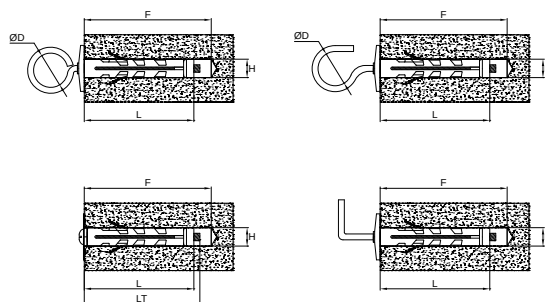
EPN

Nylon plastic anchor for fixing window and door frames

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	TORQUE (NM)	TENSION LOAD NON-CRACKED CONCRETE	SHEAR LOAD NON-CRACKED CONCRETE
EPN08080	8 x 80	8	80	8	60	40	30	4	56	16
EPN08100	8 x 100	8	100	8	60	40	50	4	56	16
EPN08120	8 x 120	8	120	8	60	40	70	4	56	16
EPN08140	8 x 140	8	140	8	60	40	90	4	56	16
EPN10100	10 x 100	10	100	10	60	50	40	4	96	24
EPN10120	10 x 120	10	120	10	60	50	60	4	96	24
EPN10140	10 x 140	10	140	10	60	50	80	4	96	24
EPN10165	10 x 165	10	165	10	60	50	105	4	96	24

IPA

Nylon plug for use in hollow bricks or solid materials



IPA-GR

Square bend hook

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	WASHER Ø	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK
IPAGR09	M4 x 40	M4	40	9	45	40	-	20	8	8
IPAGR12	M5 x 45	M5	45	12	50	45	-	25	12	12

IPA-GN

Hook

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	WASHER Ø	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK
IPAGN09	M4 x 40	M4	40	9	45	40	-	20	8	8
IPAGN12	M5 x 45	M5	45	12	50	45	-	25	10	10

IPA-AR

Eye bolt

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	WASHER Ø	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK
IPAAR09	M4 x 40	M4	40	9	45	40	-	20	8	8
IPAAR12	M5 x 45	M5	45	12	50	45	-	25	10	10

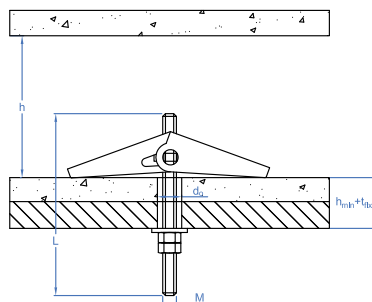
IPA-TO

Screw

CODE	MXL	METRIC	LENGTH	DRILL Ø	HOLE DEPTH MIN.	MIN. ANCHOR DEPTH	MAX. FIXTURE THICKNESS	WASHER Ø	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD SOLID BRICK
IPATO09	M4 x 40	M4	40	9	45	40	5	20	8	44
IPATO12	M5 x 45	M5	45	12	50	45	5	25	12	56

PA-LO

Spring toggle



PA-ES

Threaded bar

CODE	MXL	METRIC	DRILL Ø	MINIMUM CAVITY "H"	MAX. CONJUNTO BASE MATERIAL Y ELEMENTO A FIJAR ≤	EXTRACCIÓN BOVEDILLA DE HORMIGÓN	TENSION LOAD PLASTERBOARD	TENSION LOAD PLASTERBOARD
PAESM04	M4 x 100	M4	12	26	75	10	5	5
PAESM05	M5 x 100	M5	15	33	70	12	5	5
PAESM06	M6 x 100	M6	18	37	66	13	6	6
PAESM08	M8 x 100	M8	22	54	61	14	6	6

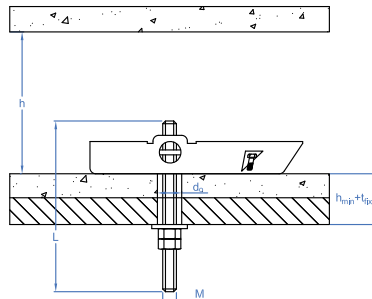
PA-GA

Hook

CODE	MXL	METRIC	DRILL Ø	MINIMUM CAVITY "H"	MAX. CONJUNTO BASE MATERIAL Y ELEMENTO A FIJAR ≤	EXTRACCIÓN BOVEDILLA DE HORMIGÓN	TENSION LOAD PLASTERBOARD	TENSION LOAD PLASTERBOARD
PAGAM04	M4 x 75	M4	12	26	75	10	5	5
PAGAM05	M5 x 80	M5	15	33	70	12	5	5
PAGAM06	M6 x 85	M6	18	37	66	13	6	6
PAGAM08	M8 x 95	M8	22	54	61	14	6	6

BA-NO

Gravity toggle for fixing lightweight in ceilings



BA-ES

Threaded bar

CODE	MXL	METRIC	DRILL Ø	MINIMUM CAVITY "H"	MIN. SUBSTRATE THICKNESS	FIBROCEMENT EXTRACTION / "CMU"
BAESM04	M4 x 100	M4	14	70	74	25
BAESM05	M5 x 100	M5	14	70	72	30
BAESM06	M6 x 100	M6	16	75	68	35
BAESM08	M8 x 100	M8	20	85	60	45

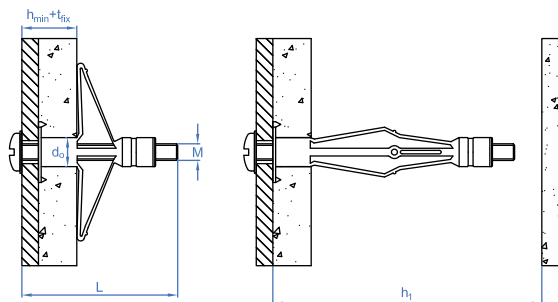
BA-GA

Hook

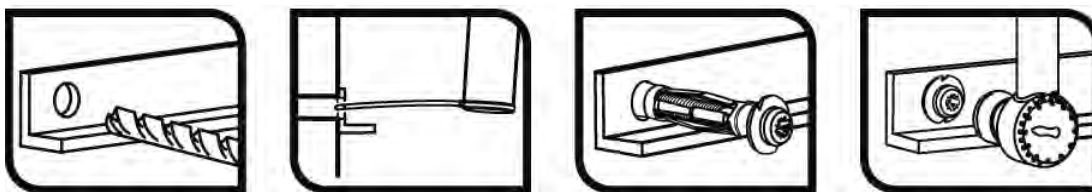
CODE	MXL	METRIC	DRILL Ø	MINIMUM CAVITY "H"	MIN. SUBSTRATE THICKNESS	FIBROCEMENT EXTRACTION / "CMU"
BAGAM04	M4 x 75	M4	14	70	74	25
BAGAM05	M5 x 80	M5	14	70	72	30
BAGAM06	M6 x 85	M6	16	75	68	35
BAGAM08	M8 x 90	M8	20	85	60	45

IN

Indemoll hollow wall anchor for use in hollow elements



APPLICATION MODE



IN-HE

With hexagonal screw

CODE	MXL	METRIC	LENGTH DE SCREW	DRILL Ø	CONJUNTO BASE MATERIAL Y ELEMENTO A FIJAR (MIN. - MAX.)	TENSION LOAD PLASTERBOARD	TENSION LOAD PLASTERBOARD	SCREW SIZE
INHE837	M8 x 45	M8	37	14	5-13	20	40	M8x45
INHE855	M8 x 60	M8	53	14	5-16	20	40	M8x60
INHE865	M8 x 73	M8	66	14	16-32	20	40	M8x73

IN-CO

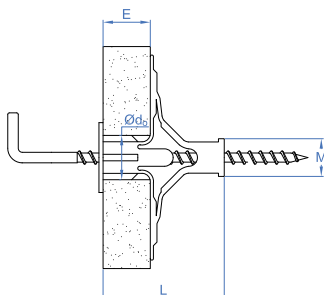
With panhead screw

CODE	MXL	METRIC	LENGTH	DRILL Ø	CONJUNTO BASE MATERIAL Y ELEMENTO A FIJAR (MIN. - MAX.)	TENSION LOAD PLASTERBOARD	TENSION LOAD PLASTERBOARD
INCO421	M4 x 21	M4	23,5	8	1-4	20	20
INCO432	M4 x 32	M4	35	8	3-9	20	20
INCO438	M4 x 38	M4	40	8	8-15	20	20
INCO446	M4 x 46	M4	46	8	16-21	20	20
INCO459	M4 x 59	M4	50	8	32-38	20	20
INCO537	M5 x 37	M5	37	10	5-13	20	25
INCO552	M5 x 52	M5	50	10	5-16	20	30

CODE	MXL	METRIC	LENGTH	DRILL Ø	CONJUNTO BASE MATERIAL Y ELEMENTO A FIJAR (MIN. - MAX.)	TENSION LOAD PLASTERBOARD	TENSION LOAD PLASTERBOARD
INCO565	M5 x 56	M5	63	10	16-32	20	30
INCO580	M5 x 80	M5	80	10	32-45	20	30
INCO637	M6 x 37	M6	37	12	5-13	15	20
INCO652	M6 x 52	M6	50,5	12	5-16	20	25
INCO665	M6 x 65	M6	63	12	16-32	20	25
INCO680	M6 x 80	M6	80	12	32-45	20	25

ANCLA

Nylon anchor for use in hollow bricks and plasterboard panel walls



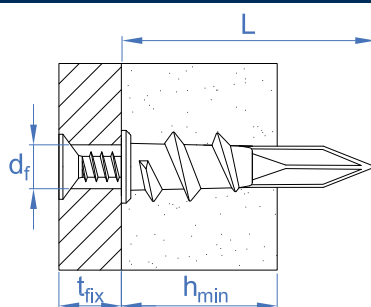
ANCLA

Nylon anchor for use in hollow bricks and plasterboard panel walls

CODE	MXL	DRILL Ø	BASE MATERIAL (MIN. - MAX.)	TENSION LOAD PLASTERBOARD	TENSION LOAD HOLLOW BRICK	SUITABLE FOR
ANCLA40	10 x 40	10	4-12	9	30	TPPO 4,0
ANCLA47	10 x 47	10	15-19	9	30	TPPO 4,0

TAPLA

Anchor for hollow bricks and plasterboard panel walls



TAPLA NY

Nylon plug

CODE	MXL	LENGTH	SUBSTRATE THICKNESS	SUITABLE FOR	Nº RECESS	TENSION LOAD PLASTERBOARD
TAPLANY	15 x 33	33	9-16	TPPO 4,5 x 40 / DIN-7981 4,2 x 38	PH3	8

TAPLA ME

Zamak plug with DIN 7981 4,2 x 32

CODE	MXL	LENGTH	MIN. SUBSTRATE THICKNESS	SUITABLE FOR	Nº RECESS	TENSION LOAD PLASTERBOARD
TAPLAME	13 x 32	32	9-16	DIN-7981 4,2 x 32	PH2/PH3	8

TAPLA ZK

Zamak plug

CODE	MXL	LENGTH	MIN. SUBSTRATE THICKNESS	SUITABLE FOR	Nº RECESS	TENSION LOAD PLASTERBOARD
TAPLAZK	13 x 37	37	9-16	TPPO 4,5 x 50 / DIN-7981 4,2 x 38	PH2/PH3	8

Self-drilling installation parameters

			ø 3.5	ø 3.9	ø 4.2	ø 4.8	ø 5.5	ø 6.3
Maximum installation force		N	150	200	250	250	350	350
Drilling speed	Steel	rpm	1.800 - 2500				1000 - 1800	
	Stainless steel	rpm	1.000 - 1500				600 - 1000	
Maximum torque		Nm	2.8	3.8	4.7	6.9	10.4	16.9

118 DIN-7504-K



121 AUTO



120 DIN-7504-K RE



126-128 DIN-7504-N



129-130 DIN-7504-P



132 TAE



168 ABA



123 FIBR



124 PS



130 BCP



Self tapping pilot hole diameter

Size	Sheet thickness	Ø Hole diameter	
		Aluminium	Steel
2,9 N°4	0,4 - 0,6	2,20	2,25
	0,6 - 1,0	2,20	2,40
	1,0 - 1,5	2,25	2,40
	1,5 - 2,5	2,40	2,50
	2,5 - 4,0	-	-
3,5 N°6	0,4 - 0,6	2,70	2,70
	0,6 - 1,0	2,70	2,80
	1,0 - 1,5	2,80	2,80
	1,5 - 2,5	2,80	2,90
	2,5 - 4,0	-	3,00
3,9 N°7	0,4 - 0,6	-	-
	0,6 - 1,0	3,00	3,10
	1,0 - 1,5	3,00	3,10
	1,5 - 2,5	3,10	3,20
	2,5 - 4,0	3,10	3,30
4,2 N°8	0,4 - 0,6	-	-
	0,6 - 1,0	3,20	3,30
	1,0 - 1,5	3,20	3,30
	1,5 - 2,5	3,30	3,40
	2,5 - 4,0	3,30	3,50

Size	Sheet thickness	Ø Hole diameter	
		Aluminium	Steel
4,8 N°10	0,4 - 0,6	-	-
	0,6 - 1,0	3,70	3,80
	1,0 - 1,5	3,70	3,80
	1,5 - 2,5	3,80	3,90
	2,5 - 4,0	3,80	4,00
5,5 N°12	0,4 - 0,6	-	-
	0,6 - 1,0	4,30	4,40
	1,0 - 1,5	4,30	4,40
	1,5 - 2,5	4,40	4,50
	2,5 - 4,0	4,40	4,60
6,3 N°14	0,4 - 0,6	-	-
	0,6 - 1,0	5,00	5,10
	1,0 - 1,5	5,00	5,10
	1,5 - 2,5	5,10	5,20
	2,5 - 4,0	5,10	5,30

132 CP



121 AUE



133-135 DIN-7981



135-136 DIN-7982



Self-drilling screw selection

TORNILLO	Ø ROSCA	ESPESOR A TALADRAR EN ACERO [mm]																													
AUTO	5,5	4,0																												12,0	
ABE ABR ABP RS	6,3	2,5																								6,0					
	5,5	1,75																5,25													
	4,8	1,75																4,4													
	4,2	1,75																3,0													
	3,9	0,7						2,4																							
	3,5	0,7						2,25																							
ABA / ATA	6,3	2,5																								6,0					
	5,5	1,75																5,0													
	4,8	1,75																4,0													
TAE	4,2	0,75						2,5																							
BCP	4,2	0,7						2,0																							
ARE	6,3	1,0						1,5																							
	5,5	1,0						1,5																							
	4,8	0,3		1,0																											
PS PSL	5,5	1,5																6,0													
	5,5	6,0																												12,0	
0,00 0,25 0,50 0,75 1,00 1,25 1,50 1,75 2,00 2,25 2,50 2,75 3,00 3,25 3,50 3,75 4,00 4,25 4,50 4,75 5,00 5,25 5,50 5,75 6,00 6,5 7,0 7,5 8,0 8,5 9,0 9,5 10,0 10,5 11,0 11,5 12,0																															
TORNILLO	Ø ROSCA	ESPESOR A TALADRAR EN ALUMINIO [mm]																													
BIE	4,8	1,75																4,4													
	5,5	1,75																5,25													
	6,3	2,5																6,0													
BAUTO	5,5	4,0																		12,0											
0,00 0,25 0,50 0,75 1,00 1,25 1,50 1,75 2,00 2,25 2,50 2,75 3,00 3,25 3,50 3,75 4,00 4,25 4,50 4,75 5,00 5,25 5,50 5,75 6,00 6,5 7,0 7,5 8,0 8,5 9,0 9,5 10,0 10,5 11,0 11,5 12,0																															

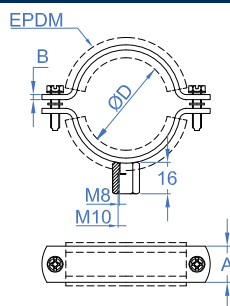
Maximum fixture thickness

LENGTH	ST 3,5	ST 3,9	ST 4,2	ST 4,8	ST 5,5	ST 6,3
9,5	2,85					
11	4,2					
13	6,2	5,8	4,3	3,7		
16	9,2	8,8	7,3	5,5		
19	12,1	11,7	10,3	8,7	8,7	7
22	15,1	14,7	13,3	11,7	11,7	10
25	18,1	17,7	16,3	14,7	14,7	13
32	25,1	24,5	23	21,5	21,5	20
38		30,5	29	27,5	27,5	26
45			36	34,5	34,5	33
50			41	39,5	39,5	38
60				49,5	49,5	48
63				52,5	52,5	51
73				62,5	62,5	61
75				64,5	64,5	63
80				69,5		68
90				79,5		78
100				89,5		88
110						98
120						108
130						118
140						128

* Not suitable for AUTO screw

AB-RI

Reinforced isophonic pipe clamp M8 + M10



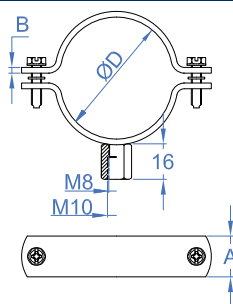
AB-RI

Reinforced isophonic pipe clamp M8 + M10

CODE	ØD(")	A x B	ØD(MM)	MAXIMUM LOAD
ABRI018	3/8"	19 x 1,8	15 - 19	150
ABRI022	1/2"	19 x 1,8	20 - 25	150
ABRI028	3/4"	19 x 1,8	26 - 30	150
ABRI035	1"	19 x 1,8	32 - 36	150
ABRI040	1 1/4"	19 x 1,8	38 - 43	150
ABRI048	1 1/2"	19 x 1,8	47 - 51	150
ABRI054	-	19 x 1,8	53 - 56	150
ABRI060	2"	19 x 1,8	60 - 64	150
ABRI070	-	19 x 1,8	68 - 72	150
ABRI075	2 1/2"	19 x 1,8	75 - 80	150
ABRI083	-	19 x 1,8	81 - 86	150
ABRI090	3"	19 x 1,8	87 - 92	150
ABRI100	3 1/2"	19 x 1,8	99 - 105	150
ABRI110	-	19 x 2,3	107 - 112	200
ABRI115	4"	19 x 2,3	113 - 118	200
ABRI125	4 1/2"	19 x 2,3	125 - 130	200
ABRI133	-	19 x 2,3	132 - 137	200
ABRI140	5"	19 x 2,3	138 - 142	200
ABRI150	-	19 x 2,3	148 - 152	200
ABRI160	6"	19 x 2,3	159 - 166	200
ABRI180	-	19 x 2,3	179 - 184	200
ABRI200	-	19 x 2,3	199 - 212	200
ABRI220	8"	19 x 2,3	215 - 226	200
ABRI250	-	19 x 2,3	245 - 254	200
ABRI300	-	19 x 2,3	299 - 304	200
ABRI315	-	19 x 2,3	314 - 319	200
ABRI355	-	19 x 2,3	354 - 359	200
ABRI400	-	19 x 2,3	399 - 404	200
ABRI450	-	19 x 2,3	449 - 454	200
ABRI500	-	19 x 2,3	499 - 504	200
ABRI560	-	19 x 2,3	555 - 561	200
ABRI600	-	19 x 2,3	599 - 604	200
ABRI630	-	19 x 2,3	625 - 631	200
ABRI710	-	19 x 2,3	705 - 711	200
ABRI800	-	19 x 2,3	799 - 804	200
ABRI900	-	19 x 2,3	899 - 904	200
ABRI910	-	19 x 2,3	999 - 1.004	200
ABRI911	-	19 x 2,3	1.115 - 1.121	200
ABRI912	-	19 x 2,3	1.245 - 1.251	200

AB-RE

Reinforced pipe clamp, M8 + M10

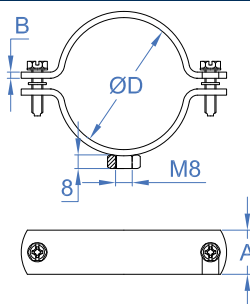
**AB-RE**

Reinforced pipe clamp, M8 + M10

CODE	ØD(")	A x B	ØD(MM)	MAXIMUM LOAD
ABRE018	3/8"	19 x 1,8	15 - 19	150
ABRE022	1/2"	19 x 1,8	20 - 25	150
ABRE028	3/4"	19 x 1,8	26 - 30	150
ABRE035	1"	19 x 1,8	32 - 36	150
ABRE040	1 1/4"	19 x 1,8	38 - 43	150
ABRE048	1 1/2"	19 x 1,8	47 - 51	150
ABRE054	-	19 x 1,8	53 - 56	150
ABRE060	2"	19 x 1,8	60 - 64	150
ABRE070	-	19 x 1,8	68 - 72	150
ABRE075	2 1/2"	19 x 1,8	75 - 80	150
ABRE083	-	19 x 1,8	81 - 86	150
ABRE090	3"	19 x 1,8	87 - 92	150
ABRE100	3 1/2"	19 x 1,8	99 - 105	150
ABRE110	-	19 x 2,3	107 - 112	200
ABRE115	4"	19 x 2,3	113 - 118	200
ABRE125	4 1/2"	19 x 2,3	125 - 130	200
ABRE133	-	19 x 2,3	132 - 137	200
ABRE140	5"	19 x 2,3	138 - 142	200
ABRE150	-	19 x 2,3	148 - 152	200
ABRE160	6"	19 x 2,3	159 - 166	200
ABRE180	-	19 x 2,3	179 - 184	200
ABRE200	-	19 x 2,3	199 - 212	200
ABRE220	8"	19 x 2,3	215 - 226	200
ABRE250	-	19 x 2,3	245 - 254	200
ABRE300	-	19 x 2,3	299 - 304	200
ABRE315	-	19 x 2,3	314 - 319	200
ABRE355	-	19 x 2,3	354 - 359	200
ABRE400	-	19 x 2,3	399 - 404	200
ABRE450	-	19 x 2,3	449 - 454	200
ABRE500	-	19 x 2,3	499 - 504	200
ABRE560	-	19 x 2,3	555 - 561	200
ABRE600	-	19 x 2,3	599 - 604	200
ABRE630	-	19 x 2,3	625 - 631	200
ABRE710	-	19 x 2,3	705 - 711	200
ABRE800	-	19 x 2,3	799 - 804	200
ABRE900	-	19 x 2,3	899 - 904	200
ABRE910	-	19 x 2,3	999 - 1.004	200
ABRE911	-	19 x 2,3	1.115 - 1.121	200
ABRE912	-	19 x 2,3	1.245 - 1.251	200

AB-RA

Reinforced pipe clamp M8 opened

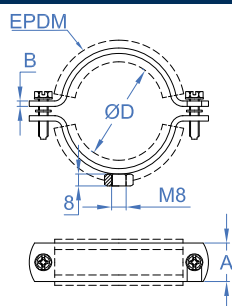
**AB-RA**

Reinforced pipe clamp M8 opened

CODE	ØD(")	A X B	ØD(MM)	MAXIMUM LOAD
ABRA015	1/4"	20 x 1,5	12-16	80
ABRA018	3/8"	20 x 1,5	15 - 19	80
ABRA022	1/2"	20 x 1,5	20 - 25	80
ABRA028	3/4"	20 x 1,5	26 - 30	80
ABRA035	1"	20 x 1,5	32 - 36	80
ABRA042	1 1/4"	20 x 1,5	38 - 43	80
ABRA048	1 1/2"	20 x 1,5	47 - 51	80
ABRA054	-	20 x 1,5	53 - 58	80
ABRA060	2"	20 x 1,5	60 - 64	80
ABRA075	2 1/2"	20 x 1,5	75 - 80	80
ABRA090	3"	20 x 1,5	87 - 92	80
ABRA100	3 1/2"	20 x 1,5	99 - 105	80
ABRA110	-	20 x 1,5	107 - 112	80
ABRA115	4"	20 x 1,5	113 - 118	80
ABRA125	4 1/2"	20 x 1,5	125 - 130	80

AB-IA

Open isophonic pipe clamp M8

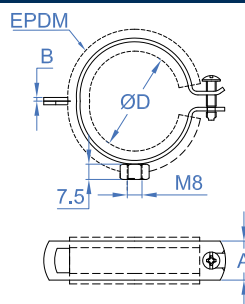
**AB-IA**

Opened isophonic pipe clamp M8

CODE	ØD(")	A X B	ØD(MM)	MAXIMUM LOAD
ABIA015	1/4"	20 x 1,5	12-16	80
ABIA018	3/8"	20 x 1,5	15 - 19	80
ABIA022	1/2"	20 x 1,5	20 - 25	80
ABIA028	3/4"	20 x 1,5	26 - 30	80
ABIA035	1"	20 x 1,5	32 - 36	80
ABIA042	1 1/4"	20 x 1,5	38 - 43	80
ABIA048	1 1/2"	20 x 1,5	47 - 51	80
ABIA054	-	20 x 1,5	53 - 58	80
ABIA060	2"	20 x 1,5	60 - 64	80
ABIA075	2 1/2"	20 x 1,5	75 - 80	80
ABIA090	3"	20 x 1,5	87 - 92	80
ABIA100	3 1/2"	20 x 1,5	99 - 105	80
ABIA110	-	20 x 1,5	107 - 112	80
ABIA115	4"	20 x 1,5	113 - 118	80
ABIA125	4 1/2"	20 x 1,5	125 - 130	80

AB-IR

Isophonic pipe clamp M8 fast-clip

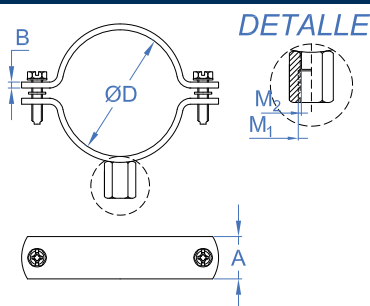
**AB-IR**

sophonic pipe clamp M8 fast-clip

CODE	ØD(")	A X B	ØD(MM)	MAXIMUM LOAD
ABIR015	1/4"	19 x 1,25	14 - 15	60
ABIR018	3/8"	19 x 1,25	16 - 19	60
ABIR022	1/2"	19 x 1,25	21 - 23	60
ABIR028	3/4"	19 x 1,25	26 - 28	60
ABIR035	1"	19 x 1,25	32 - 35	60
ABIR040	1 1/4"	19 x 1,25	40 - 43	60
ABIR048	1 1/2"	19 x 1,25	48 - 51	60
ABIR054	-	19 x 1,25	52 - 56	60
ABIR060	2"	19 x 1,25	57 - 60	60

AB-GA

Yellow coated pipe clamp for gas M8 + M10

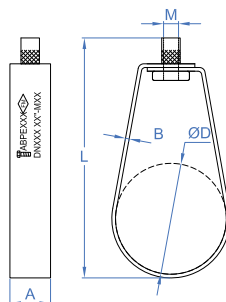
**AB-GA**

Yellow coated pipe clamp for gas M8 + M10

CODE	METRIC	ØD(")	A X B	ØD(MM)	MAXIMUM LOAD
ABGA018	M8	3/8"	20 x 2	15 - 18	200
ABGA022	M8	1/2"	20 x 2	20 - 24	200
ABGA028	M8	3/4"	20 x 2	26 - 30	200
ABGA035	M8	1"	20 x 2	32 - 36	200
ABGA040	M8	1 1/4"	20 x 2	38 - 42	200
ABGA048	M8	1 1/2"	20 x 2	47 - 50	200
ABGA054	M8	-	20 x 2	52 - 56	200
ABGA060	M8/M10	2"	20 x 2	60 - 64	200
ABGA075	M8/M10	2 1/2"	20 x 2	75 - 80	200
ABGA090	M8/M10	3"	20 x 2	85 - 90	200
ABGA100	M8/M10	3 1/2"	20 x 2	99 - 105	200
ABGA110	M8/M10	-	20 x 2	107 - 112	200
ABGA115	M8/M10	4"	20 x 2	113 - 118	200
ABGA140	M8/M10	5"	20 x 2	138 - 142	200
ABGA160	M8/M10	6"	20 x 2	159 - 166	200

AB-PE

Sprinkler pipe clamp



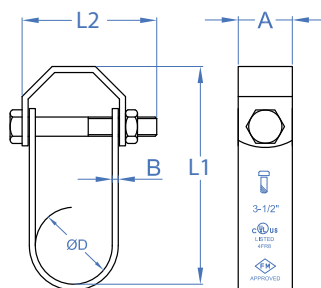
AB-PE

Sprinkler pipe clamp

CODE	LENGTH	ØD(")	A X B	ØD(MM)	SCREW SIZE	MAXIMUM LOAD	METRIC
ABPE028	72	3/4"	21 x 1	DN 20	M10 (3/8")	154	M10 (3/8")
ABPE035	78	1"	21 x 1	DN 25	M10 (3/8")	186	M10 (3/8")
ABPE040	88	1 1/4"	21 x 1,2	DN 32	M10 (3/8")	195	M10 (3/8")
ABPE048	95	1 1/2"	21 x 1,2	DN 40	M10 (3/8")	236	M10 (3/8")
ABPE060	105	2"	21 x 1,2	DN 50	M10 (3/8")	288	M10 (3/8")
ABPE075	125	2 1/2"	21 x 1,2	DN 65	M10 (3/8")	426	M10 (3/8")
ABPE090	140	3"	21 x 1,2	DN 80	M10 (3/8")	481	M10 (3/8")
ABPE100	160	3 1/2"	21 x 1,2	DN 90	M10 (3/8")	569	M10 (3/8")
ABPE115	173	4"	21 x 2	DN 100	M10 (3/8")	669	M10 (3/8")
ABPE140	209	5"	31 x 2	DN 125	M12 (1/2")	907	M12 (1/2")
ABPE160	249	6"	31 x 2,25	DN 150	M12 (1/2")	1186	M12 (1/2")
ABPE220	309	8"	39 x 2,5	DN 200	M12 (1/2")	1723	M12 (1/2")

AB-CH

Clevis hanger clamp



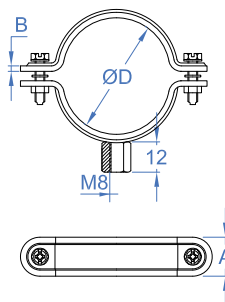
AB-CH

Clevis hanger clamp

CODE	ØD(MM)	ØD(")	A X B	L1	L2
ABCH00034	28	3/4"	22,5 x 2,5	82,5	50
ABCH01000	35	1"	22,5 x 2,5	99	57
ABCH01014	42	1 1/4"	22,5 x 2,5	106	70
ABCH01012	48	1 1/2"	22,5 x 2,5	107	75
ABCH02000	60	2"	25,5 x 2,5	126	90
ABCH02012	75	2 1/2"	26 x 3	156	110
ABCH03000	90	3"	26 x 3	169	115
ABCH04000	115	4"	30 x 4	200	15
ABCH05000	140	5"	32 x 4,5	231	200
ABCH06000	160	6"	36,5 x 4,5	260	225
ABCH08000	220	8"	42,5 x 4,5	329	280
ABCH10000	275	10"	44,5 x 6	381	360
ABCH12000	325	12"	50 x 6	457	410
ABCH14000	355	14"	50 x 6	514	465
ABCH16000	405	16"	64 x 6	560	520

AB-M8

Drainpipe clamp M8



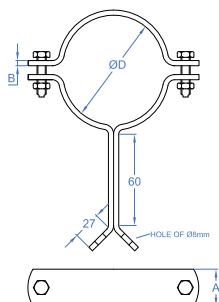
AB-M8

Drainpipe clamp M8

CODE	ØD(MM)	A X B	MAXIMUM LOAD
ABM8050	49 - 54	28 x 0,8	100
ABM8063	60 - 65	28 x 0,8	100
ABM8075	75 - 80	28 x 0,8	100
ABM8090	88 - 92	28 x 0,8	100
ABM8110	108 - 113	28 x 0,8	100
ABM8125	124 - 130	28 x 0,8	100
ABM8160	159 - 165	28 x 0,8	100
ABM8200	199 - 203	28 x 0,8	100
ABM8250	249 - 254	28 x 0,8	100
ABM8315	314 - 319	28 x 0,8	100

AB-DE

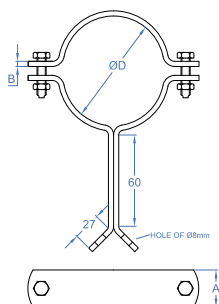
Recessed drainpipe clamp



AB-DE Z

Zinc-plated

CODE	ØD(")	A X B	ØD(MM)	MAXIMUM LOAD
ABDE075	2 1/2"	20 x 2,5	75 - 80	200
ABDE090	3"	20 x 2,5	87 - 92	200
ABDE110	-	20 x 2,5	107 - 112	200
ABDE125	4 1/2"	20 x 2,5	125 - 130	200



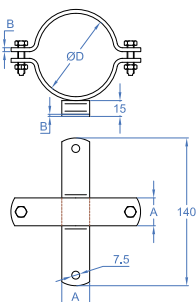
AB-DE G

Galvanized

CODE	ØD(")	A X B	ØD(MM)	MAXIMUM LOAD
ABDE160	6"	20 x 2,5	159 - 166	200
ABDE200	-	20 x 2,5	199 - 212	200
ABDE250	-	20 x 2,5	245 - 254	200
ABDE315	-	20 x 2,5	314 - 319	200

AB-DP

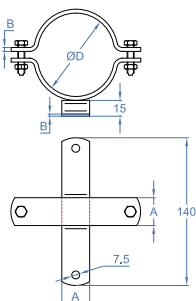
Drainpipe clamp with hole



AB-DP Z

Zinc-plated

CODE	ØD(")	A x B	ØD(MM)	MAXIMUM LOAD
ABDP075	2 1/2"	20 x 2,5	75 - 80	200
ABDP090	3"	20 x 2,5	87 - 92	200
ABDP110	-	20 x 2,5	107 - 112	200
ABDP125	4 1/2"	20 x 2,5	125 - 130	200



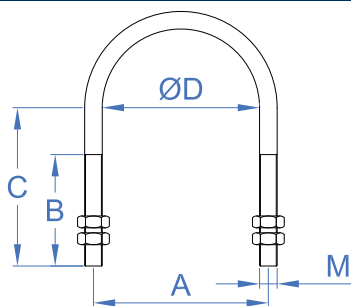
AB-DP G

Galvanized

CODE	ØD(")	A x B	ØD(MM)	MAXIMUM LOAD
ABDP160	6"	20 x 2,5	159 - 166	200
ABDP200	-	20 x 2,5	199 - 212	200
ABDP250	-	20 x 2,5	245 - 254	200

AB-ZI

U-bolt



AB-ZI

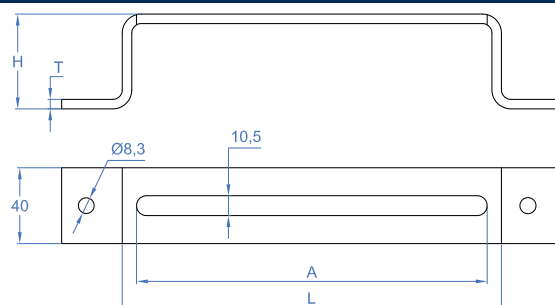
U-bolt

CODE	ØD(")	A x B x C	MAXIMUM LOAD
AZIM060250	1/4"	20 / 14 / 20	250
AZIM060375	3/8"	23,5 / 15 / 23	250
AZIM060500	1/2"	27,5 / 17 / 25	250
AZIM060750	3/4"	33 / 19 / 31	250
AZIM061000	1"	39,5 / 24 / 39	250
AZIM061250	1 1/4"	48,5 / 24 / 44	250
AZIM081500	1 1/2"	56,5 / 26 / 48	350
AZIM082000	2"	68,5 / 26 / 53	350
AZIM082250	2 1/4"	83 / 35 / 63	350
AZIM082500	2 1/2"	83 / 35 / 71	350
AZIM083000	3"	99 / 35 / 76	350
AZIM083500	3 1/2"	112 / 35 / 82	350
AZIM084000	4"	125 / 35 / 87	350
AZIM084500	4 1/2"	140 / 40 / 100	350
AZIM085000	5"	152 / 40 / 105	350

CODE	ØD(")	A X B X C	MAXIMUM LOAD
AZIM086000	6"	179 / 40 / 118	350
AZIM103000	3"	100 / 45 / 66	350
AZIM103500	3 1/2"	110 / 50 / 94	350
AZIM104000	4"	125 / 55 / 97,5	350
AZIM105000	5"	150 / 55 / 108	350
AZIM106000	6"	170 / 55 / 125	350
AZIM108000	8"	230 / 55 / 148	350

AB-SA

U-bolt support



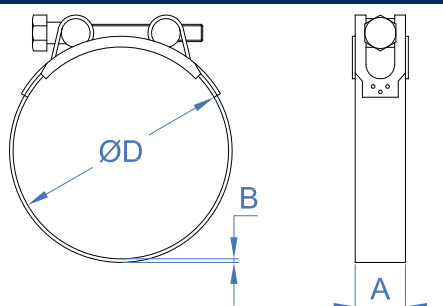
AB-SA

U-bolt support

CODE	LENGTH	H	A X B	C
ABSA050100	100	50	40 x 5	85
ABSA050125	125	50	40 x 5	110
ABSA050200	200	50	40 x 5	185
ABSA050300	300	50	40 x 5	285
ABSA050400	400	50	40 x 5	385
ABSA050500	100	50	40 x 5	485
ABSA050600	125	50	40 x 5	585
ABSA100100	200	100	40 x 5	85
ABSA100125	300	100	40 x 5	110
ABSA100200	400	100	40 x 5	185
ABSA100300	500	100	40 x 5	285
ABSA100400	600	100	40 x 5	385
ABSA100500	500	100	40 x 5	485

AB-GP

Robust clamp



AB-GP

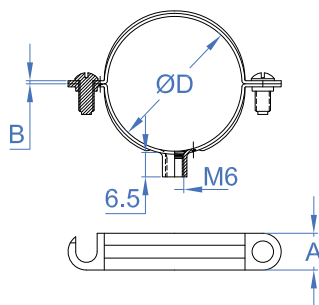
Robust clamp

CODE	MXL	ØD(MM)	A X B
AGP023025	M5 x 35	23 - 25	18 X 0,6
AGP026028	M5 x 35	26 - 28	18 X 0,6
AGP029031	M5 x 35	29 - 31	18 X 0,6
AGP032035	M6 x 50	32 - 35	20 X 1
AGP036039	M6 x 50	36 - 39	20 X 1
AGP040043	M6 x 50	40 - 43	20 X 1
AGP044047	M6 x 50	44 - 47	20 X 1
AGP048051	M6 x 50	48 - 51	20 X 1
AGP052055	M6 x 50	52 - 55	20 X 1
AGP056059	M6 x 55	56 - 59	20 X 1
AGP060063	M6 x 55	60 - 63	20 X 1
AGP064067	M8 x 70	64 - 67	25 X 1,5
AGP068073	M8 x 70	68 - 73	25 X 1,5
AGP074079	M8 x 70	74 - 79	25 X 1,5
AGP080085	M8 x 70	80 - 85	25 X 1,5
AGP086091	M8 x 70	86 - 91	25 X 1,5

CODE	MXL	ØD(MM)	A X B
AGP092097	M8 x 70	92 - 97	25 X 1,5
AGP098103	M8 x 70	98 - 103	25 X 1,5
AGP104112	M8 x 80	104 - 112	25 X 1,5
AGP113121	M8 x 80	113 - 121	25 X 1,5
AGP122130	M8 x 80	122 - 130	25 X 1,5
AGP131139	M8 x 80	131 - 139	25 X 1,5
AGP140148	M8 x 80	140 - 148	25 X 1,5
AGP149161	M8 x 80	149 - 161	25 X 1,8
AGP162174	M8 x 80	162 - 174	25 X 1,8

AB-M6

Pipe clamp M6

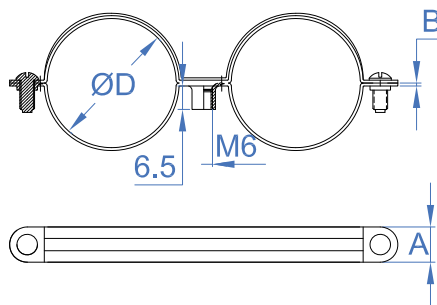


AB-M6 Z / AB-M6 Zinc-plated / Yellow zinc-plated

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABMZ6008 / ABM6008	8	-	12 x 1	70
ABMZ6010 / ABM6010	10	1/8"	12 x 1	70
ABMZ6012 / ABM6012	12	-	12 x 1	70
ABMZ6014 / ABM6014	14	1/4"	12 x 1	70
ABMZ6015 / ABM6015	15	-	12 x 1	70
ABMZ6016 / ABM6016	16	-	12 x 1	70
ABMZ6018 / ABM6018	18	3/8"	12 x 1	70
ABMZ6020 / ABM6020	20	-	12 x 1	70
ABMZ6022 / ABM6022	22	1/2"	12 x 1	70
ABMZ6025 / ABM6025	25	-	12 x 1	70
ABMZ6026 / ABM6026	26	3/4"	12 x 1	70
ABMZ6028 / ABM6028	28	-	12 x 1	70
ABMZ6032 / ABM6032	32	1"	12 x 1	70
ABMZ6035 / ABM6035	35	-	12 x 1,2	70
ABMZ6037 / ABM6037	37	-	12 x 1,2	100
ABMZ6040 / ABM6040	40	-	12 x 1,2	100
ABMZ6042 / ABM6042	42	1 1/4"	12 x 1,2	100
ABMZ6047 / ABM6047	47	1 1/2"	12 x 1,2	100
ABMZ6050 / ABM6050	50	-	12 x 1,2	100
ABMZ6054 / ABM6054	54	-	12 x 1,2	100
ABMZ6060 / ABM6060	60	2"	12 x 1,2	100
ABMZ6063 / ABM6063	63	-	12 x 1,2	100

AB-D6

Double pipe clamp M6

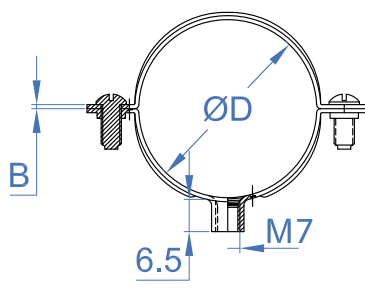


AB-D6 Z / AB-D6 Zinc-plated / Yellow zinc-plated

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABDZ6012 / ABD6012	12	1/8"	12 x 1	100
ABDZ6015 / ABD6015	15	1/4"	12 x 1,2	100
ABDZ6018 / ABD6018	18	3/8"	12 x 1,2	100
ABDZ6022 / ABD6022	22	1/2"	12 x 1,2	100
ABDZ6028 / ABD6028	28	3/4"	12 x 1,2	100

AB-M7 Z

Pipe clamp M7

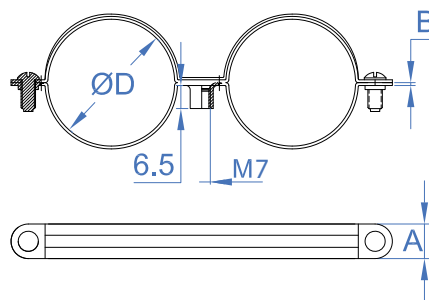
**AB-M7 Z**

Zinc-plated

CODE	ØD(MM)	ØD(")	A X B
ABMZ7008	8	-	11 X 1
ABMZ7010	10	1/8"	11 X 1
ABMZ7012	12	-	11 X 1
ABMZ7014	14	1/4"	11 X 1
ABMZ7016	16	-	11 X 1
ABMZ7018	18	3/8"	11 X 1
ABMZ7020	20	-	11 X 1
ABMZ7022	22	1/2"	11 X 1
ABMZ7024	24	-	11 X 1
ABMZ7025	25	-	11 X 1
ABMZ7026	26	3/4"	11 X 1
ABMZ7028	28	-	11 X 1
ABMZ7032	32	1"	11 X 1
ABMZ7034	34	-	11 X 1
ABMZ7036	36	-	11 X 1
ABMZ7038	38	-	11 X 1
ABMZ7040	40	-	11 X 1
ABMZ7050	50	-	11 X 1
ABMZ7063	63	-	12 X 1,2

AB-D7 Z

Double pipe clamp M7

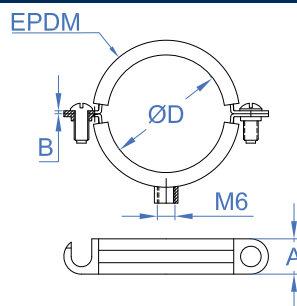
**AB-D7 Z**

Zinc-plated

CODE	ØD(MM)	ØD(")	A X B
ABDZ70810	8-10	-	11 X 1
ABDZ71012	10-12	1/8"	11 X 1
ABDZ71214	12-14	-	11 X 1
ABDZ71416	14-16	-	11 X 1
ABDZ71618	16-18	3/8"	11 X 1
ABDZ71820	18-20	-	11 X 1
ABDZ72022	20-22	1/2"	11 X 1
ABDZ72224	22-24	-	11 X 1
ABDZ72628	26-28	3/4"	11 X 1

AB-6I

Isophonic pipe clamp M6

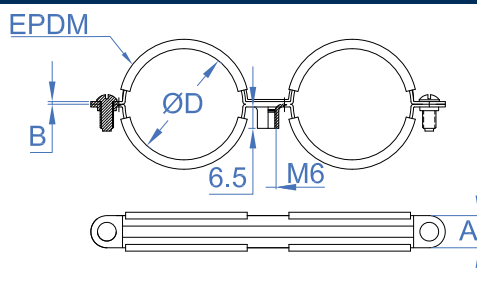
**AB-6I**

sophonic pipe clamp M6

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
AB6I012	12	1/8"	15 x 1,2	70
AB6I015	15	1/4"	15 x 1,2	70
AB6I016	16	-	15 x 1,2	70
AB6I018	18	3/8"	15 x 1,2	70
AB6I022	22	1/2"	15 x 1,2	70
AB6I026	26	-	15 x 1,2	70
AB6I028	28	3/4"	15 x 1,2	70
AB6I032	32	-	15 x 1,2	70
AB6I035	35	1"	15 x 1,2	70
AB6I042	42	1 1/4"	15 x 1,2	100
AB6I048	48	1 1/2"	15 x 1,2	100
AB6I054	54	-	15 x 1,2	100
AB6I060	60	2"	15 x 1,2	100

AB-DI

Double isophonic pipe clamp M6

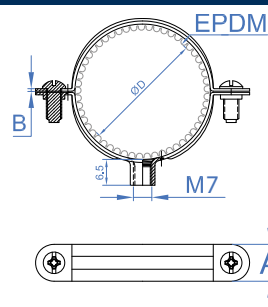
**AB-DI**

Double isophonic pipe clamp M6

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABDI0012	12	1/8"	15 x 1	100
ABDI0015	15	1/4"	15 x 1,2	100
ABDI0018	18	3/8"	15 x 1,2	100
ABDI0022	22	1/2"	15 x 1,2	100
ABDI0028	28	3/4"	15 x 1,2	100

AB-7I Z

Isophonic pipe clamp M7

**AB-7I Z**

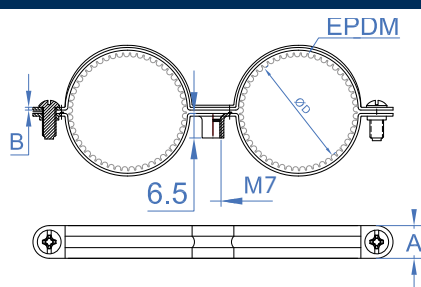
sophonic pipe clamp M7

CODE	ØD(MM)	A X B
AB7IZ010	10	11 X 1
AB7IZ012	12	11 X 1

CODE	ØD(MM)	A X B
AB7IZ014	14	11 X 1
AB7IZ016	16	11 X 1
AB7IZ018	18	11 X 1
AB7IZ020	20	11 X 1
AB7IZ022	22	11 X 1
AB7IZ024	24	11 X 1
AB7IZ026	26	11 X 1
AB7IZ028	28	11 X 1
AB7IZ032	32	11 X 1
AB7IZ034	34	11 X 1
AB7IZ036	36	12 X 1
AB7IZ038	38	12 X 1
AB7IZ040	40	12 X 1
AB7IZ050	50	12 X 1,2

AB-7ID Z

Double isophonic pipe clamp M7



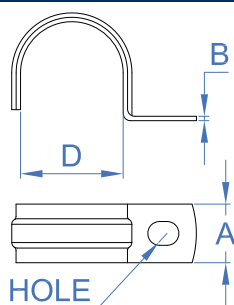
AB-7ID Z

Double isophonic pipe clamp M7

CODE	ØD(MM)	ØD(°)	A X B
AB7IDZ0810	08-10	1/8"	11 X 1
AB7IDZ1012	10-12	1/8"	11 X 1
AB7IDZ1214	12-14	1/4"	11 X 1
AB7IDZ1416	14-16	1/4"	11 X 1
AB7IDZ1618	16-18	3/8"	11 X 1
AB7IDZ1820	18-20	3/8"	11 X 1
AB7IDZ2022	20-22	1/2"	11 X 1
AB7IDZ2224	22-24	1/2"	11 X 1
AB7IDZ2628	26-28	3/4"	11 X 1

AB-PI

Conduit clip, with single hole



AB-PI

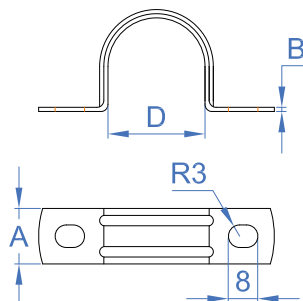
Conduit clip, with single hole

CODE	ØD(MM)	ØD(°)	A X B	MAXIMUM LOAD
ABPI006	6	-	12 x 1	30
ABPI008	8	-	12 x 1	30
ABPI010	10	1/8"	12 x 1	30
ABPI012	12	-	12 x 1	30
ABPI014	14	1/4"	15 x 1	30
ABPI016	16	-	15 x 1	30
ABPI018	18	3/8"	15 x 1	30
ABPI020	20	-	15 x 1	30
ABPI022	22	1/2"	15 x 1,2	30
ABPI025	25	-	15 x 1,2	30
ABPI026	26	3/4"	15 x 1,2	30
ABPI028	28	-	15 x 1,2	30
ABPI032	32	1"	15 x 1,2	30
ABPI040	40	-	15 x 1,2	30

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABPI042	42	1 1/4"	15 x 1,2	30
ABPI047	47	1 1/2"	15 x 1,2	30
ABPI050	50	-	15 x 1,2	30
ABPI063	63	2"	15 x 1,2	30

AB-PU

Bridge conduit clip, with double hole



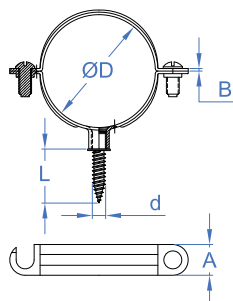
AB-PU

Bridge conduit clip, with double hole

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABPU016	16	-	12 x 1,2	75
ABPU018	18	3/8"	12 x 1,2	75
ABPU020	20	-	12 x 1,2	75
ABPU022	22	1/2"	15 x 1,2	75
ABPU025	25	-	15 x 1,2	75
ABPU028	28	3/4"	15 x 1,2	75
ABPU032	32	1"	15 x 1,2	75
ABPU037	37	-	18 x 1,2	75
ABPU040	40	1 1/4"	18 x 1,2	75
ABPU050	50	1 1/2"	18 x 1,2	75
ABPU063	63	2"	18 x 1,2	75

AB-GM

Yellow coated pipe clamp for gas with screw



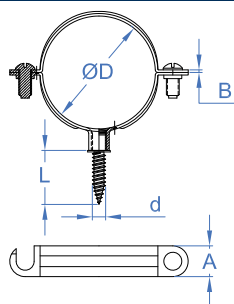
AB-GM

Yellow coated pipe clamp for gas with screw

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABGM012	12	1/8"	12 x 1,2	70
ABGM015	15	1/4"	12 x 1,2	70
ABGM018	18	3/8"	12 x 1,2	70
ABGM022	22	1/2"	12 x 1,2	70
ABGM028	28	3/4"	12 x 1,2	70
ABGM035	35	1"	12 x 1,2	70

AB-GS

Black coated pipe clamp for gas M6 with screw

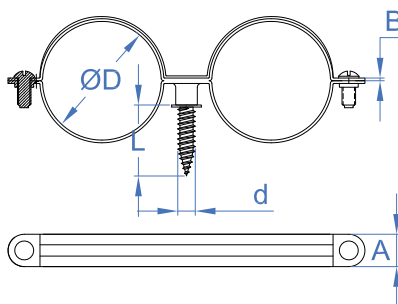
**AB-GS**

Black coated pipe clamp for gas M6 with screw

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABGS010	10	1/8"	12 x 1,2	70
ABGS012	12	-	12 x 1,2	70
ABGS015	15	1/4"	12 x 1,2	70
ABGS018	18	3/8"	12 x 1,2	70
ABGS022	22	1/2"	12 x 1,2	70
ABGS028	28	3/4"	12 x 1,2	70
ABGS035	35	1"	12 x 1,2	70
ABGS042	42	1 1/4"	12 x 1,2	100
ABGS054	54	-	12 x 1,2	100

AB-GD

Double black coated pipe clamp for gas M6 with screw

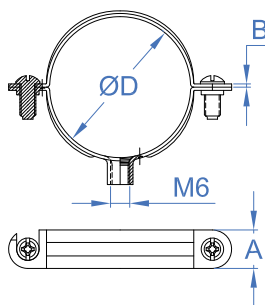
**AB-GD**

Double black coated pipe clamp for gas M6 with screw

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABGD012	12	1/8"	12 x 1,2	100
ABGD015	15	1/4"	12 x 1,2	100
ABGD018	18	3/8"	12 x 1,2	100
ABGD022	22	1/2"	12 x 1,2	100
ABGD028	28	3/4"	12 x 1,2	100

AB-CR

Chrome coated pipe clamp M6

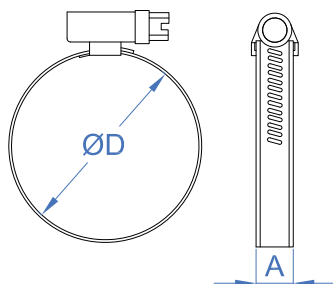
**AB-CR**

Chrome coated pipe clamp M6

CODE	ØD(MM)	METRIC	ØD(")	A X B	MAXIMUM LOAD
ABCR010	10	10	1/8"	12 x 1,2	70
ABCR012	12	12	1/4"	12 x 1,2	70

AB-SF

Hose clamp



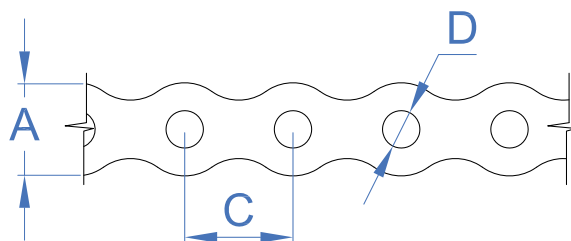
AB-SF

Hose clamp

CODE	ØD(MM)	ØD(")	A X B	TORQUE (NM)
ASF008016	8-16	5/16" - 5/8"	9 x 0,7	4,5
ASF012022	12-22	1/2" - 7/8"	9 x 0,7	4,5
ASF016027	16 - 27	5/8" - 1 1/16"	9 x 0,7	4,5
ASF020032	20 - 32	3/4" - 1 1/4"	9 x 0,7	4,5
ASF025040	25 - 40	1" - 1 5/8"	9 x 0,7	4,5
ASF030045	30 - 45	1 3/16" - 1 3/4"	9 x 0,8	4,5
ASF035050	35 - 50	1 3/8" - 2"	9 x 0,8	4,5
ASF040060	40 - 60	1 5/8" - 2 3/8"	9 x 0,8	4,5
ASF050070	50 - 70	2" - 2 3/4"	9 x 0,8	4,5
ASF060080	60 - 80	2 3/8" - 3 1/8"	9 x 0,8	4,5
ASF070090	70 - 90	2 3/4" - 3 1/2"	9 x 0,8	4,5
ASF080100	80 - 100	3 1/8" - 4"	9 x 0,8	4,5
ASF090110	90 - 110	3 1/2" - 4 3/8"	9 x 0,8	4,5
ASF100120	100 - 120	4" - 4 3/4"	9 x 0,8	4,5
ASF110130	110 - 130	4 3/8" - 5 1/8"	9 x 0,8	4,5
ASF120140	120 - 140	4 3/4" - 5 1/2"	9 x 0,8	4,5
ASF130150	130 - 150	5 1/8" - 5 7/8"	9 x 0,8	4,5

CI-PE

Rounded perforated banding



CI-PE

Galvanized

CODE	A X B	C	D
CIPE1208	12 x 0,8	14	5
CIPE1708	17 x 0,8	20	7

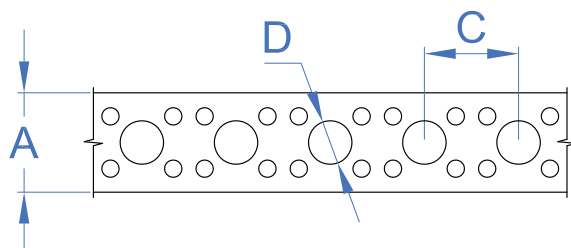
CI-PE A2

Stainless steel A

CODE	A X B	C	D
CIPEA21708	17 x 0,8	20	7

CI-PR

Perforated, straight, galvanized banding

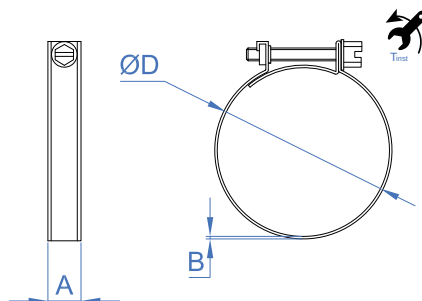
**CI-PR**

Perforated, straight, galvanized banding

CODE	A x B	C	D
CIPR1908	12 x 0,8	12	6
CIPR1208	19 x 0,8	18	8

AB-BU

Butane clamp

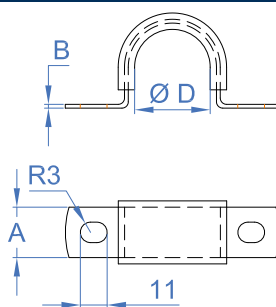
**AB-BU**

Butane clamp

CODE	ØD(MM)	A x B	TORQUE (NM)
ABBU1315	13-15	9 x 0,6	2
ABBU1618	16-18	9 x 0,6	2
ABBU1921	19-21	9 x 0,6	2

AB-IP

Conduit clip, with single hole

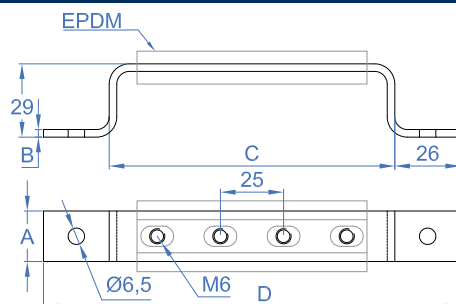
**AB-IP**

Pipe clip for fixing plate

CODE	ØD(MM)	ØD(")	A x B
ABIP015	15	1/4"	20 x 1,5
ABIP018	18	3/8"	20 x 1,5
ABIP022	22	1/2"	20 x 1,5
ABIP026	26	3/4"	20 x 1,5
ABIP028	28	-	20 x 1,5
ABIP035	35	1"	20 x 1,5
ABIP042	42	1 1/4"	20 x 1,5
ABIP048	48	1 1/2"	20 x 1,5
ABIP054	54	-	20 x 1,5
ABIP060	60	2"	20 x 1,5
ABIP067	67	-	20 x 1,5
ABIP075	75	2 1/2"	20 x 1,5
ABIP090	90	3"	20 x 1,5

AB-SI

Pipe clip fixing plate



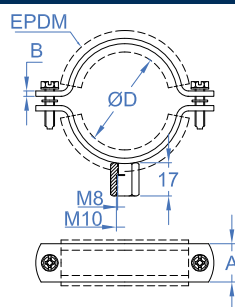
AB-SI

Fixing plate for pipe clip

CODE	A X B	C	D	HOLE NUM
ABSI003	20 x 3	76	140	3
ABSI004	20 x 3	101	165	4
ABSI005	20 x 3	126	190	5
ABSI006	20 x 3	151	215	6
ABSI007	20 x 3	176	240	7
ABSI008	20 x 3	201	265	8
ABSI009	20 x 3	226	290	9
ABSI010	20 x 3	251	315	10
ABSI011	20 x 3	276	340	11
ABSI012	20 x 3	301	365	12
ABSI013	20 x 3	326	390	13
ABSI014	20 x 3	351	415	14
ABSI015	20 x 3	376	440	15
ABSI016	20 x 3	401	465	16
ABSI017	20 x 3	426	490	17
ABSI018	20 x 3	451	515	18
ABSI019	20 x 3	476	540	19
ABSI020	20 x 3	501	565	20
ABSI021	20 x 3	526	590	21
ABSI022	20 x 3	551	615	22
ABSI025	20 x 3	626	690	25

AB-RI A2

Reinforced isophonic pipe clamp M8 + M10. Stainless steel A2



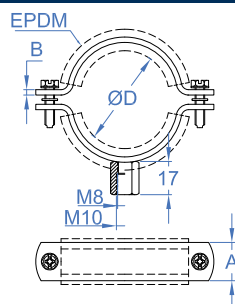
AB-RI A2

Reinforced isophonic pipe clamp M8 + M10. Stainless steel A2

CODE	ØD(MM)	ØD(")	A X B	MAXIMUN LOAD
ABRIA2018	15 - 18	3/8"	19 x 1,8	150
ABRIA2022	20 - 24	1/2"	19 x 1,8	150
ABRIA2028	26 - 30	3/4"	19 x 1,8	150
ABRIA2035	32 - 36	1"	19 x 1,8	150
ABRIA2040	36 - 42	1 1/4"	19 x 1,8	150
ABRIA2048	47 - 50	1 1/2"	19 x 1,8	150
ABRIA2054	51 - 55	-	19 x 1,8	150
ABRIA2060	60 - 64	2"	19 x 1,8	150
ABRIA2075	75 - 80	2 1/2"	19 x 1,8	150
ABRIA2090	87 - 92	3"	19 x 1,8	150
ABRIA2110	106 - 112	-	19 x 1,8	150
ABRIA2115	114 - 119	4"	19 x 1,8	150
ABRIA2125	124 - 131	4 1/2"	19 x 1,8	150
ABRIA2140	133 - 140	5"	19 x 1,8	150
ABRIA2160	159 - 163	6"	19 x 1,8	150

AB-RI A4

Reinforced isophonic pipe clamp M8 + M10. Stainless steel A4

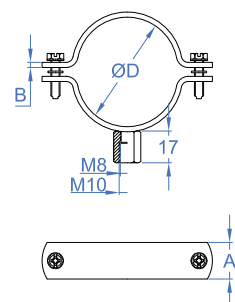
**AB-RI A4**

Reinforced isophonic pipe clamp M8 + M10. Stainless steel A4

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABRIA4018	15 - 18	3/8"	19 x 1,8	150
ABRIA4022	20 - 24	1/2"	19 x 1,8	150
ABRIA4028	26 - 30	3/4"	19 x 1,8	150
ABRIA4035	32 - 36	1"	19 x 1,8	150
ABRIA4040	36 - 42	1 1/4"	19 x 1,8	150
ABRIA4048	47 - 50	1 1/2"	19 x 1,8	150
ABRIA4054	51 - 55	-	19 x 1,8	150
ABRIA4060	60 - 64	2"	19 x 1,8	150
ABRIA4075	75 - 80	2 1/2"	19 x 1,8	150
ABRIA4090	87 - 92	3"	19 x 1,8	150
ABRIA4110	106 - 112	-	19 x 1,8	150
ABRIA4115	114 - 119	4"	19 x 1,8	150
ABRIA4125	124 - 131	4 1/2"	19 x 1,8	150
ABRIA4140	133 - 140	5"	19 x 1,8	150
ABRIA4160	159 - 163	6"	19 x 1,8	150

AB-RE A2

Reinforced pipe clamp M8 + M10. Stainless steel A2

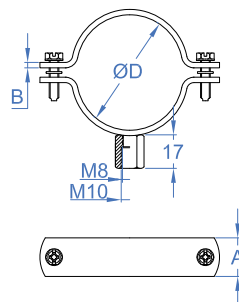
**AB-RE A2**

Reinforced pipe clamp M8 + M10. Stainless steel A2

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABREA2018	15 - 18	3/8"	19 x 1,8	150
ABREA2022	20 - 24	1/2"	19 x 1,8	150
ABREA2028	26 - 30	3/4"	19 x 1,8	150
ABREA2035	32 - 36	1"	19 x 1,8	150
ABREA2040	36 - 42	1 1/4"	19 x 1,8	150
ABREA2048	47 - 50	1 1/2"	19 x 1,8	150
ABREA2054	51 - 55	-	19 x 1,8	150
ABREA2060	60 - 64	2"	19 x 1,8	150
ABREA2075	75 - 80	2 1/2"	19 x 1,8	150
ABREA2090	87 - 92	3"	19 x 1,8	150
ABREA2110	106 - 112	-	19 x 1,8	150
ABREA2115	114 - 119	4"	19 x 1,8	150
ABREA2125	124 - 131	4 1/2"	19 x 1,8	150
ABREA2140	133 - 140	5"	19 x 1,8	150
ABREA2160	159 - 163	6"	19 x 1,8	150
ABREA2200	199 - 212	-	19 x 1,8	150

AB-RE A4

Reinforced pipe clamp M8 + M10. Stainless steel A4

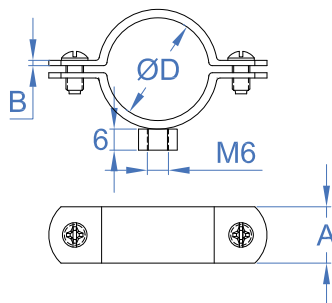
**AB-RE A4**

Reinforced pipe clamp M8 + M10. Stainless steel A4

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABREA4018	15 - 18	3/8"	19 x 1,8	150
ABREA4022	20 - 24	1/2"	19 x 1,8	150
ABREA4028	26 - 30	3/4"	19 x 1,8	150
ABREA4035	32 - 36	1"	19 x 1,8	150
ABREA4040	36 - 42	1 1/4"	19 x 1,8	150
ABREA4048	47 - 50	1 1/2"	19 x 1,8	150
ABREA4054	51 - 55	-	19 x 1,8	150
ABREA4060	60 - 64	2"	19 x 1,8	150
ABREA4075	75 - 80	2 1/2"	19 x 1,8	150
ABREA4090	87 - 92	3"	19 x 1,8	150
ABREA4110	106 - 112	-	19 x 1,8	150
ABREA4115	114 - 119	4"	19 x 1,8	150
ABREA4125	124 - 131	4 1/2"	19 x 1,8	150
ABREA4140	133 - 140	5"	19 x 1,8	150
ABREA4160	159 - 163	6"	19 x 1,8	150
ABREA4200	199 - 212	-	19 x 1,8	150

AB-M6 A2

Pipe clamp M6. Stainless steel A2

**AB-M6 A2**

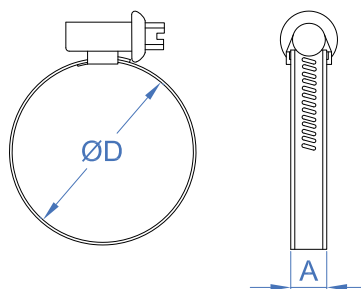
Pipe clamp M6. Stainless steel A2

CODE	ØD(MM)	ØD(")	A X B	MAXIMUM LOAD
ABM6A2012	12	1/4"	16 x 1,5	70
ABM6A2015	14 - 15	-	16 x 1,5	70
ABM6A2018	15 - 18	3/8"	16 x 1,5	70
ABM6A2022	20 - 25	1/2"	16 x 1,5	70
ABM6A2028	26 - 30	3/4"	16 x 1,5	70

Iftode Universal
sisteme de construcții

AB-SF A2

Hose clamp. Stainless steel A2

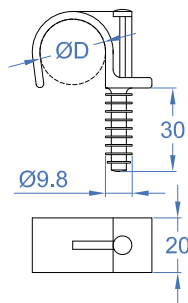
**AB-SF A2**

Hose clamp. Stainless steel A2

CODE	ØD(MM)	ØD(")	A x B	TORQUE (NM)
ASF2010016	10 - 16	5/16" - 5/8"	9 x 0,7	4
ASF2012020	12 - 20	1/2" - 7/8"	9 x 0,7	4
ASF2016027	16 - 27	5/8" - 1 1/16"	9 x 0,7	4
ASF2020032	20 - 32	3/4" - 1 1/4"	9 x 0,7	4
ASF2025040	25 - 40	1" - 1 5/8"	9 x 0,7	4
ASF2032050	32 - 50	1 3/8" - 2"	9 x 0,7	4
ASF2040060	40 - 60	1 5/8" - 2 3/8"	9 x 0,7	4
ASF2050070	50 - 70	2" - 2 3/4"	9 x 0,7	4
ASF2060080	60 - 80	2 3/8" - 3 1/8"	9 x 0,7	4
ASF2070090	70 - 90	2 3/4" - 3 1/2"	9 x 0,7	4
ASF2080100	80 - 100	3 1/8" - 4"	9 x 0,7	4
ASF2090110	90 - 110	3 1/2" - 4 3/8"	9 x 0,7	4
ASF2100120	100 - 120	4" - 4 3/4"	9 x 0,7	4
ASF2110130	110 - 130	4 3/8" - 5 1/8"	9 x 0,7	4
ASF2120140	120 - 140	4 3/4" - 5 1/2"	9 x 0,7	4
ASF2130150	130 - 150	5 1/8" - 5 7/8"	9 x 0,7	4

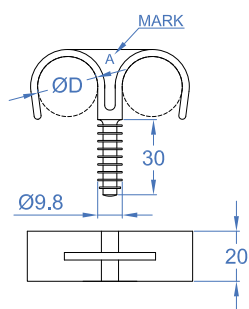
AB-T

INDEXring + plug cable tie

**AB-TS**

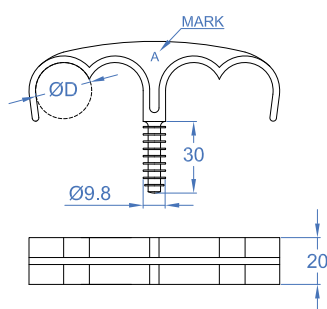
Simple

CODE	ØD(MM)	ØD(")	MAXIMUM LOAD
ABTS014	14	-	30
ABTS016	16	3/8"	30
ABTS018	18	-	30
ABTS020	20	1/2"	30
ABTS022	22	-	30
ABTS025	25	3/4"	30
ABTS028	28	-	30
ABTS032	30	-	30

**AB-TD**

Double

CODE	ØD(MM)	ØD(")	MAXIMUM LOAD
ABTD016	15	3/8"	30
ABTD018	18	-	30
ABTD020	20	1/2"	30
ABTD022	22	-	30
ABTD025	25	3/4"	30
ABTD028	28	-	30

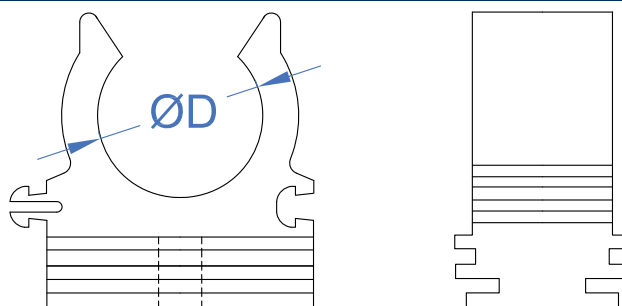
**AB-TC**

Quadruple

CODE	ØD(MM)	ØD(")	MAXIMUM LOAD
ABTC020	20	1/2"	30
ABTC025	25	3/4"	30

AB-PR

Pressure nylon pipe clip, with pre-thread M6

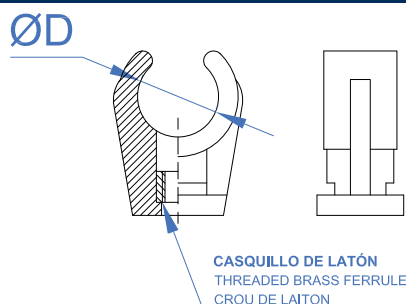
**AB-PR G**

Grey

CODE	ØD(MM)	ØD(")	VALID FOR	MAXIMUM LOAD
ABPRG12	12	1/4"	20/10 27/18 28/30	10
ABPRG15	15	3/8"	20/10 27/18 28/30	10
ABPRG20	20	-	20/10 27/18 28/30	10
ABPRG25	25	1/2"	20/10 27/18 28/30	10
ABPRG32	32	-	20/10 27/18 28/30	10
ABPRG40	40	-	20/10 27/18 28/30	10
ABPRG50	50	3/4"	20/10 27/18 28/30	10

AB-IN

Simple nylon pipe clip (polyamide 6.6) with M6 threaded brass insert



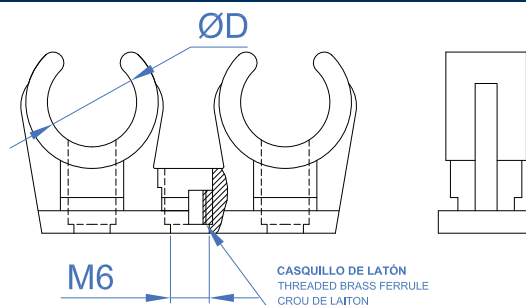
AB-IN

Simple nylon pipe clip (polyamide 6.6) with M6 threaded brass insert

CODE	METRIC	ØD(MM)	ØD(")	VALID FOR	MAXIMUM LOAD
ABIN012	M6	12	1/4"	Carril 20/10	10
ABIN014	M6	15	3/8"	Carril 20/10	10
ABIN016	M6	18	-	Carril 20/10	10
ABIN020	M6	22	-	Carril 20/10	10
ABIN028	M6	28	3/4"	Carril 20/10	10
ABIN035	M6	35	-	Carril 20/10	10

AB-ID

Double nylon pipe clip (polyamide 6.6), with M6 threaded brass insert



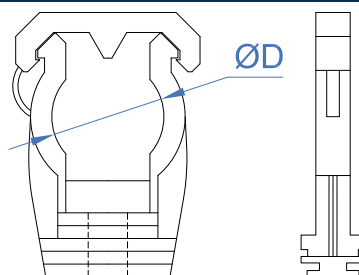
AB-ID

Double nylon pipe clip (polyamide 6.6), with M6 threaded brass insert

CÓDIGO	MÉTRICA	ØD(MM)	ØD(")	VALID FOR	CARGA MÁXIMA
ABID012	M6	12	1/4"	Carril 20/10	10
ABID014	M6	14	3/8"	Carril 20/10	10
ABID016	M6	15,5	-	Carril 20/10	10
ABID020	M6	20	-	Carril 20/10	10
ABID028	M6	26,5	3/4"	Carril 20/10	10

AB-GU

Closed nylon pipe clip, with pre-thread M6. Grey



AB-GU

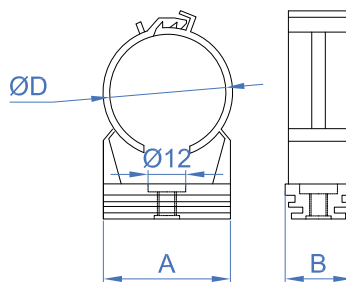
Closed nylon pipe clip, with pre-thread M6. Grey

CODE	METRIC	ØD(MM)	ØD(")	VALID FOR	MAXIMUM LOAD
ABGUG12	M6	12	1/4"	20/10 27/18 28/30	40
ABGUG15	M6	15	3/8"	20/10 27/18 28/30	40
ABGUG18	M6	18	-	20/10 27/18 28/30	40
ABGUG20	M6	20	-	20/10 27/18 28/30	40
ABGUG22	M6	22	1/2"	20/10 27/18 28/30	40
ABGUG25	M6	25	-	20/10 27/18 28/30	40
ABGUG28	M6	28	-	20/10 27/18 28/30	40
ABGUG32	M6	32	1"	20/10 27/18 28/30	40
ABGUG40	M6	40	-	20/10 27/18 28/30	40

CODE	METRIC	ØD(MM)	ØD(")	VALID FOR	MAXIMUM LOAD
ABGUG50	M6	50	-	20/10 27/18 28/30	40

AB-MUG

Multitube pipe clip



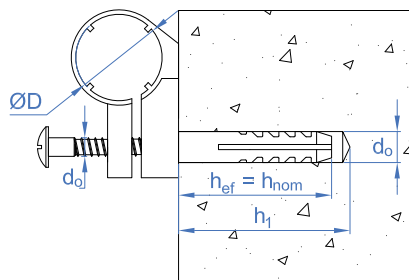
AB-MUG

Multitube pipe clip

CODE	METRIC	ØD(MM)	A X B	VALID FOR	MAXIMUM LOAD
ABMUG12	M6	12	17 x 20	20/10 27/18 28/30	40
ABMUG15	M6	15	21 x 20	20/10 27/18 28/30	40
ABMUG18	M6	18	25 x 20	20/10 27/18 28/30	40
ABMUG22	M6	22	30 x 20	20/10 27/18 28/30	40
ABMUG26	M6	26	33 x 20	20/10 27/18 28/30	40
ABMUG32	M6	32	38 x 20	20/10 27/18 28/30	40
ABMUG40	M6	40	46 x 20	20/10 27/18 28/30	40
ABMUG48	M6	42	56 x 20	20/10 27/18 28/30	40

AB-MS

Multitube clamp + plug. Single



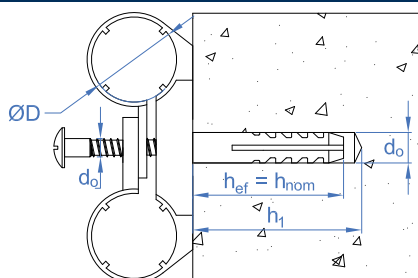
AB-MS

Multitube clamp + plug. Single

CODE	ØD(MM)	DRILL Ø	HOLE DEPTH MIN.	MIN. ANCHOR DEPTH	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD HOLLOW BRICK	SCREW SIZE
ABMS10	10	5	30	20	9	5	3,5x35
ABMS12	12	5	30	20	9	5	3,5x35
ABMS14	14	6	35	25	15	8	4x45
ABMS16	16	6	35	25	15	8	4x45
ABMS18	18	8	45	30	16	12	4,5x50
ABMS20	20	8	45	30	16	12	4,5x50
ABMS22	22	8	45	30	16	12	4,5x50
ABMS28	28	10	50	40	30	15	6,5x60

AB-MD

Multitube clamp + plug. Double



AB-MD

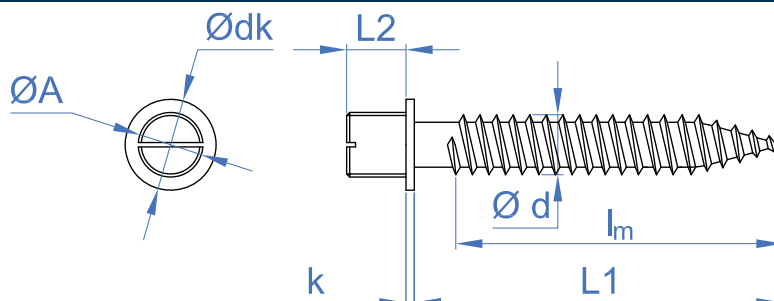
Multitube clamp + plug. Double

CODE	ØD(MM)	DRILL Ø	HOLE DEPTH MIN.	MIN. ANCHOR DEPTH	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD HOLLOW BRICK	SCREW SIZE
ABMD10	10	8	60	30	16	12	4,5x50
ABMD12	12	8	60	30	16	12	4,5x51
ABMD14	14	8	60	30	16	12	4,5x52

CODE	ØD(MM)	DRILL Ø	HOLE DEPTH MIN.	MIN. ANCHOR DEPTH	TENSION LOAD NON-CRACKED CONCRETE	TENSION LOAD HOLLOW BRICK	SCREW SIZE
ABMD16	16	8	60	30	16	12	4,5x53
ABMD18	18	10	70	40	30	15	6x60
ABMD20	20	10	70	40	30	15	6x60
ABMD22	22	10	70	40	30	15	6x60
ABMD28	28	10	70	40	30	15	6x60

AB-TA

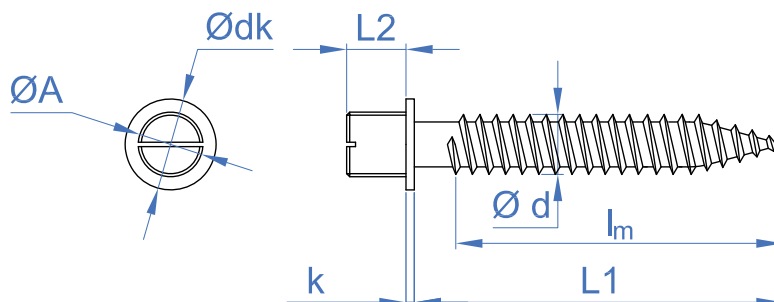
Threaded screws for clamps



AB-TA

Zinc-plated

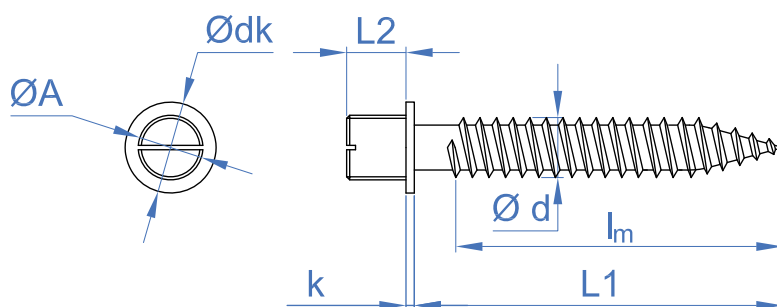
CODE	METRIC	ØD	L1	L2	K	ØDK	THREAD LENGTH
ABTA0630	M6	5	30	6	1	8	30
ABTA0640	M6	5	40	6	1	8	40
ABTA0650	M6	5	50	6	1	8	50
ABTA0730	M7	6	30	6	1	9,5	30
ABTA0740	M7	6	40	6	1	9,5	40
ABTA0750	M7	6	50	6	1	9,5	50
ABTA0760	M7	6	60	6	1	9,5	60
ABTA0770	M7	6	70	6	1	9,5	70
ABTA0780	M7	6	80	6	1	9,5	80
ABTA0840	M8	6	40	7,5	1,4	8,5	40
ABTA0860	M8	6	60	7,5	1,4	8,5	60
ABTA0880	M8	6	80	7,5	1,4	8,5	45
ABTA1050	M10	8	50	9	1,7	12	50
ABTA1070	M10	8	70	9	1,7	12	45
ABTA1090	M10	8	90	9	1,7	12	45



AB-TA B

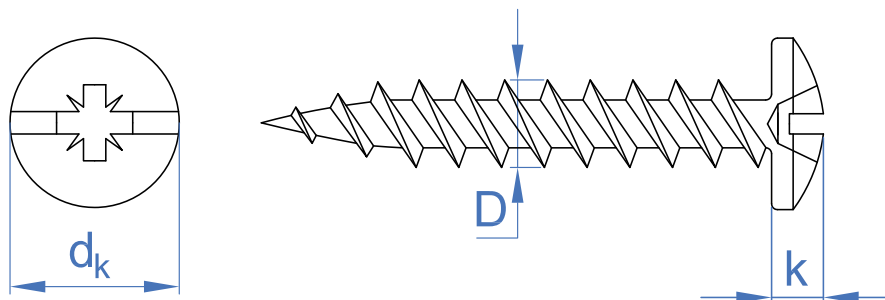
Yellow zinc-plated

CODE	METRIC	ØD	L1	L2	K	ØDK	THREAD LENGTH
ABTAB0630	M6	5	30	6	1	8	30
ABTAB0640	M6	5	40	6	1	8	40
ABTAB0650	M6	5	50	6	1	8	50

**AB-TA A2**

IStainless steel A2

CODE	METRIC	ØD	L1	L2	K	ØDK	THREAD LENGTH
ABTA20630	M6	5	30	7	1,2	7,8	30

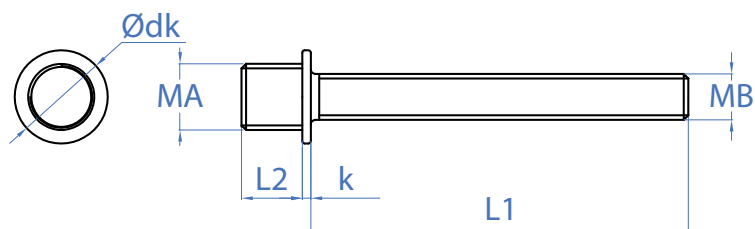
**AB-TG**

Threaded screws for clips

CODE	LENGTH	INSTALLATION KEY	ØDK	K	ØD(MM)
ABTG4530	30	Pz 2	10	3	4,5
ABTG4535	35	Pz 2	10	3	4,5
ABTG4540	40	Pz 2	10	3	4,5
ABTG5030	30	Pz 3	12	3	5
ABTG5040	40	Pz 3	12	3	5

AB-TR

Threaded screw for clamps

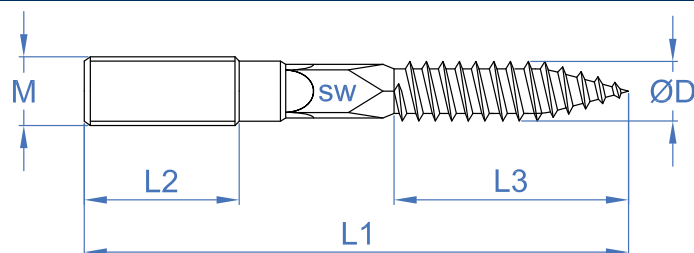
**AB-TR**

Threaded screw for clamps

CODE	METRIC	L1	L2	K	ØDK	THREAD LENGTH
ABTR05030	M6	30	6	1	9	30
ABTR05040	M6	40	6	1	9	40
ABTR05050	M6	50	6	1	9	50
ABTR05060	M7	30	6	1	9	30
ABTR06040	M7	40	6	1	9	40
ABTR06050	M7	50	6	1	9	50
ABTR06060	M7	60	6	1	9	60

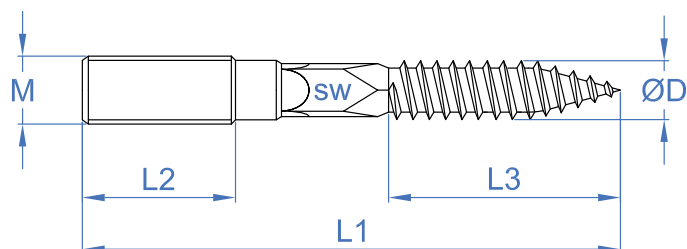
ES-DR

Double threaded screw

**ES-DR**

Zinc-plated

CODE	METRIC	LENGTH	ØD(MM)	INSTALLATION KEY (SW)	L1	L2	L3
ESDR06040	M6	40	6	-	40	12	24
ESDR06050	M6	50	6	-	50	16	28,5
ESDR06060	M6	60	6	-	60	18	34,5
ESDR06070	M6	70	6	-	70	26	34,5
ESDR06080	M6	80	6	-	80	34	34,5
ESDR08050	M8	50	7	-	50	13	29,5
ESDR08060	M8	60	7	-	60	15	37,5
ESDR08070	M8	70	7	-	70	25	37,5
ESDR08080	M8	80	7	6	80	28,5	37,5
ESDR08090	M8	90	7	6	90	28,5	48,5
ESDR08100	M8	100	7	6	100	33,5	48,5
ESDR08110	M8	110	7	6	110	42,5	48,5
ESDR08120	M8	120	7	6	120	50	48,5
ESDR08130	M8	130	7	6	130	50	48,5
ESDR10080	M10	80	8	8	80	18	46,5
ESDR10100	M10	100	9	8	100	24	57
ESDR10110	M10	110	9	8	110	38	57
ESDR10120	M10	120	9	8	120	45	57
ESDR10130	M10	130	9	8	130	50	57
ESDR10140	M10	140	9	8	140	50	57
ESDR10150	M10	150	9	8	150	50	57
ESDR10180	M10	180	9	8	180	50	57
ESDR10200	M10	200	9	8	200	50	57

**ES-DA2**

Stainless steel A2

CODE	METRIC	LENGTH	ØD(MM)	INSTALLATION KEY (SW)	L1	L2	L3
ESDA208060	M8	60	7	6	60	20	30
ESDA210060	M10	60	9	8	60	20	30

VR-SE

Small threaded bolt



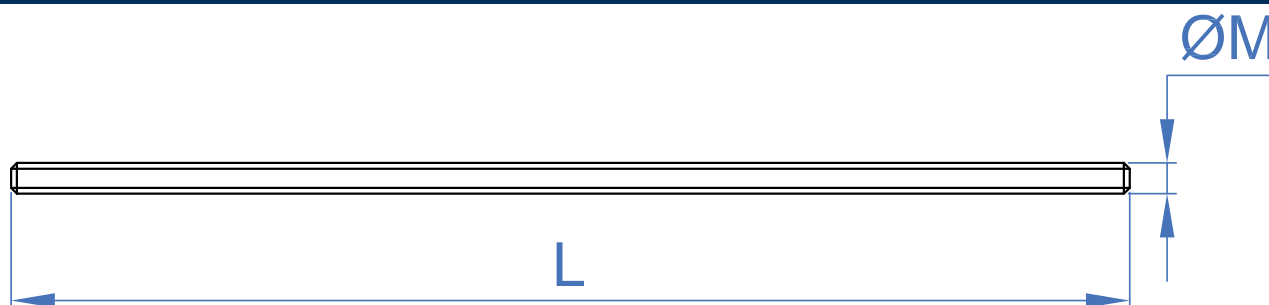
VR-SE

Small threaded bolt

CODE	METRIC	LENGTH
VRSE06020	M6	20
VRSE06030	M6	30
VRSE08020	M8	20
VRSE08030	M8	30
VRSE10030	M10	30
VRSE12030	M12	30

RV

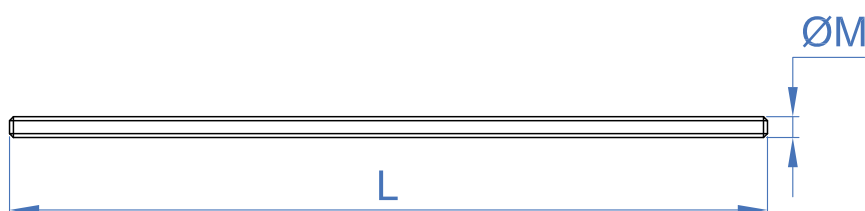
1-meter threaded rod



RV-ZN

Zinc-plated

CODE	METRIC	LENGTH
975ZM04	M4	1000
975ZM05	M5	1000
975ZM06	M6	1000
975ZM08	M8	1000
975ZM10	M10	1000
975ZM12	M12	1000
975ZM14	M14	1000
975ZM16	M16	1000
975ZM18	M18	1000
975ZM20	M20	1000
975ZM22	M22	1000
975ZM24	M24	1000
975ZM27	M27	1000
975ZM30	M30	1000
975ZM33	M33	1000
975ZM36	M36	1000
975M2M06	M6	2000



RV-A2

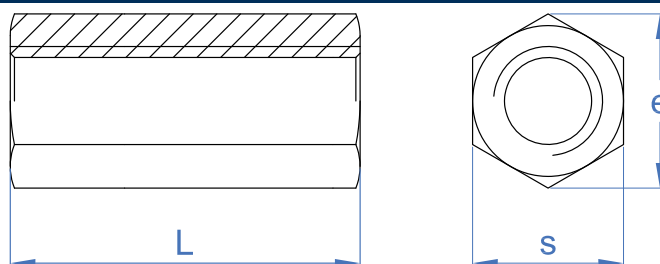
Stainless steel A2

CODE	METRIC	LENGTH
975A2M04	M4	1000
975A2M05	M5	1000

CODE	METRIC	LENGTH
975A2M06	M6	1000
975A2M08	M8	1000
975A2M10	M10	1000
975A2M12	M12	1000
975A2M14	M14	1000
975A2M16	M16	1000
975A2M18	M18	1000
975A2M20	M20	1000
975A2M22	M22	1000
975A2M24	M24	1000
975A2M27	M27	1000
975A2M30	M30	1000
975A2M33	M33	1000
975A2M36	M36	1000

MA

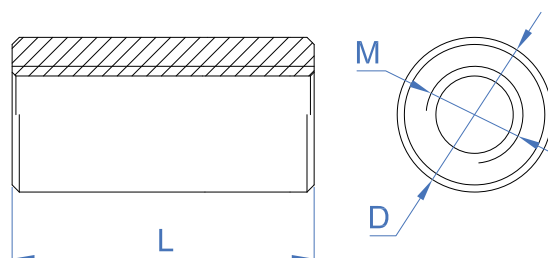
Coupling nut



MAHE

Hexagonal

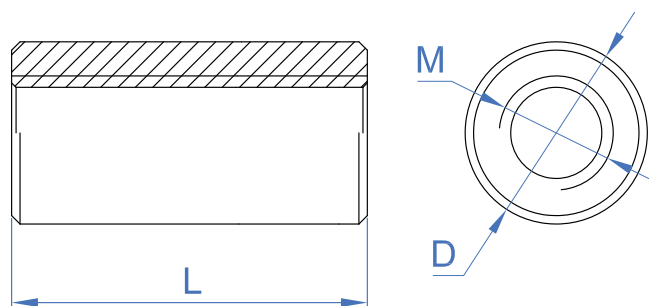
CODE	METRIC	LENGTH	INSTALLATION KEY
MAE0620	M6	20	10
MAE0630	M6	30	10
MAE0825	M8	25	11
MAE1030	M10	30	13
MAE1235	M12	35	17
MAE1650	M16	50	24
MAE2060	M20	60	30



MARE

Round

CODE	METRIC	LENGTH	ØD(MM)
MAR5322	5/32W	20	7
MAR0420	M4	20	7
MAR0620	M6	20	10
MAR0630	M6	30	10
MAR0825	M8	25	11
MAR0830	M8	30	11
MAR1030	M10	30	13
MAR1235	M12	35	15
MAR1650	M16	50	22

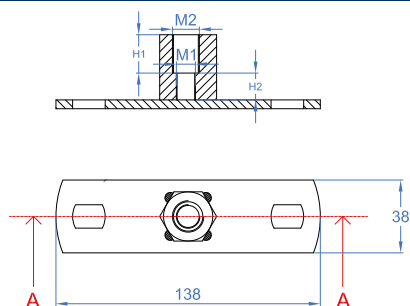
**MARI**

Round, stainless steel A2

CODE	METRIC	LENGTH	ØD(MM)
MARI0830	M8	30	11
MARI1030	M10	30	13

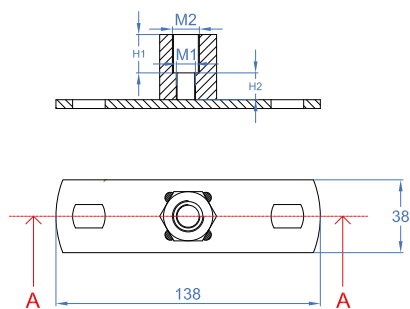
PF

Flat bar for fixation

**PF-A4**

Stainless steel A4

CODE	METRIC	H1	H2
PFA4M0800	M8	7.5	-
PFA4M0810	M8 / M10	7	10
PFA4M1000	M10	-	9

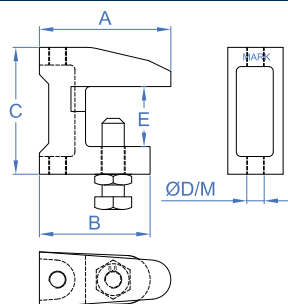
**PF-ZN**

Zinc-plated

CODE	METRIC	H1	H2
PFZNM0800	M8	7.5	-
PFZNM0810	M8 / M10	7	10
PFZNM1000	M10	-	9

SU

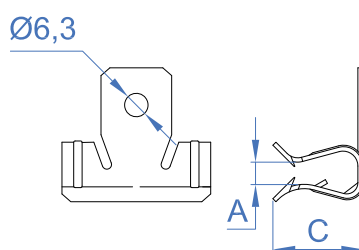
Steel beam clamps



SU-MO

Beam clamp

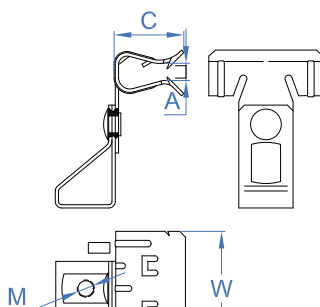
CODE	ØD(MM)	A	B	C	D	E	TORQUE (NM)	INSTALLATION KEY	SCREW SIZE
SUMOP09	PASANTE Ø9	38	35	37	18	20	10	13	M8 x 35
SUMOP11	PASANTE Ø11	44	41	42	21	21	15	17	M10 x 40
SUMOP13	PASANTE Ø13	57	48	54	24	26	15	17	M10 x 50
SUMOM08	ROSCADO M8	38	35	37	18	20	10	13	M8 x 35
SUMOM10	ROSCADO M10	44	41	42	21	21	15	17	M10 x 40
SUMOM12	ROSCADO M12	57	48	54	24	26	15	17	M10 x 50



SU-CL

Suspension clip

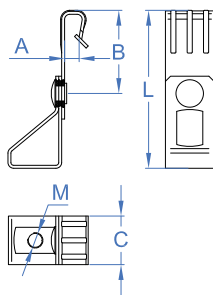
CODE	A	B	C	ØD(MM)
SUCL02	1,5 - 3	28	14	6.3
SUCL04	3 - 10	34	23	6.3
SUCL10	10 - 15	40	23	6.3
SUCL15	15 - 20	40	23	6.3



SU-VA

Rod clip

CODE	A	B	C	ØD(MM)
SUVA0602	1,5 - 4	50	14	M6
SUVA0604	4 - 10	54	23	M6
SUVA0610	10 - 15	60	23	M6
SUVA0615	15 - 20	60	23	M6
SUVA0804	1,5 - 4	50	14	M8
SUVA0810	4 - 10	54	23	M8
SUVA0815	10 - 15	60	23	M8
SUVA0802	15 - 20	60	23	M8

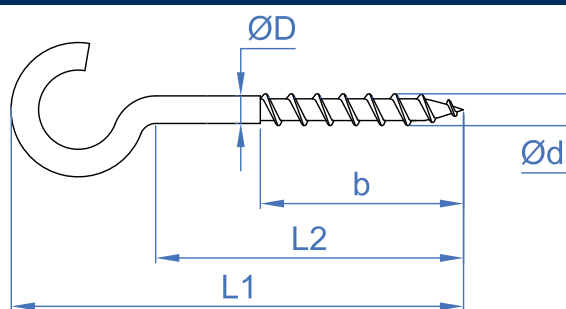
**SU-CU**

Holder clip

CODE	A	B	C	Ø D (MM)
SUCU0602	1,5 - 5	65	15	M6
SUCU0605	5 - 7	65	15	M6
SUCU0606	3 - 7	80	30	M6
SUCU0607	7 - 10	95	30	M6

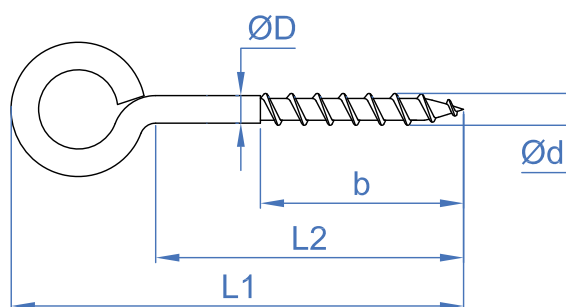
AL

Straight and L head nails

**AL-HA**

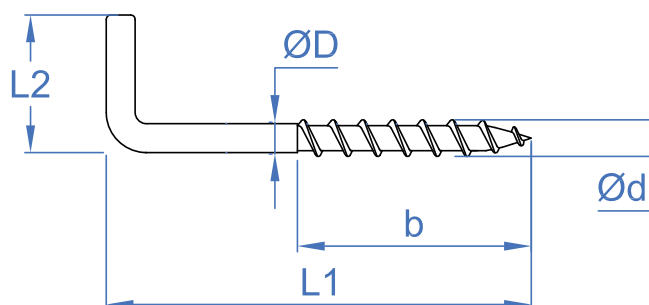
Open steel eye bolt

CODE	MXL	ØD	L1	B	L2	ØD
ALHA14025	2,6 x 18 x 7	2,6	18	7	10	2,1
ALHA16030	3,1 x 22 x 9	3,1	22	9	12	2,4
ALHA17040	3,5 x 26 x 10	3,5	26	10	14	2,7
ALHA18040	4,1 x 29 x 10	4,1	29	10	15	3,2
ALHA18050	3,7 x 34 x 12	4,1	34	12	20	3,2
ALHA19050	4,4 x 33 x 12	4,4	33	12	18	3,4
ALHA19060	4,4 x 39 x 15	4,4	39	15	22	3,4
ALHA19070	4,4 x 41 x 15	4,4	41	15	24	3,4
ALHA20050	5 x 35 x 12	5	35	12	19	3,9
ALHA20060	5 x 39 x 12	5	39	12	21	3,9
ALHA20070	5 x 44 x 14	5	44	14	26	3,9
ALHA20080	5 x 50 x 18	5	50	18	30	3,9
ALHA21070	5,6 x 43 x 14	5,6	43	14	23	4,4
ALHA21080	5,6 x 48 x 14	5,6	48	14	28	4,4
ALHA21090	5,6 x 56 x 14	5,6	56	14	32	4,4
ALHA21100	5,6 x 61 x 18	5,6	61	18	37	4,4
ALHA22110	6 x 69 x 24	6	69	24	43	4,7
ALHA22120	6 x 74 x 29	6	74	29	48	4,7
ALHA23130	6,9 x 82 x 35	6,3	82	35	55	5,2


AL-HC

Closed steel eye bolt

CODE	MXL	ØD	L1	B	L2	ØD
ALHC14025	2,6 x 18 x 7	2,6	18	7	10	2,1
ALHC16030	3,1 x 22 x 9	3,1	22	9	12	2,4
ALHC17040	3,5 x 28 x 10	3,5	28	10	14	2,7
ALHC18040	4,1 x 30 x 10	4,1	30	10	15	3,2
ALHC18050	3,7 x 39 x 12	3,7	39	12	20	3,2
ALHC19050	4,4 x 35 x 12	4,4	35	12	18	3,4
ALHC19060	4,4 x 42 x 15	4,4	42	15	22	3,4
ALHC19070	4,4 x 44 x 15	4,4	44	15	24	3,4
ALHC20050	5 x 39 x 12	5	39	12	19	3,9
ALHC20060	5 x 41 x 12	5	41	12	21	3,9
ALHC20070	5 x 48 x 14	5	48	14	26	3,9
ALHC20080	5 x 54 x 18	5	54	18	30	3,9
ALHC21070	5,6 x 49 x 14	5,6	49	14	23	4,4
ALHC21080	5,6 x 54 x 14	5,6	54	14	28	4,4
ALHC21090	5,6 x 61 x 14	5,6	61	14	32	4,4
ALHC21100	5,6 x 66 x 18	5,6	66	18	37	4,4
ALHC22110	6 x 76 x 24	6	73	24	43	4,7
ALHC22120	6 x 81 x 29	6	81	29	48	4,7
ALHC23130	6,9 x 89 x 35	6,3	89	35	55	5,2


AL-RO

Steel hook bolt, with thread

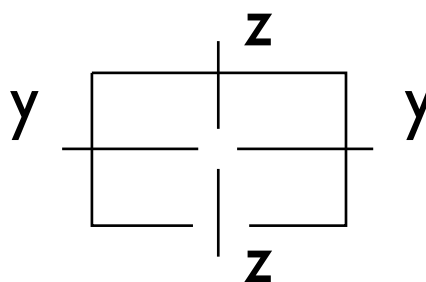
CODE	MXL	ØD	L1	L2	B	ØD
ALRO14025	2,6 x 17 x 10	2,6	17	10	10	2
ALRO16030	3,1 x 20 x 10	3,1	20	10	12	2,4
ALRO17040	3,5 x 29 x 13	3,5	29	13	17	2,7
ALRO18040	3,7 x 28 x 14	3,7	28	14	17	2,9
ALRO18050	3,7 x 37 x 15	3,7	37	15	22	2,9
ALRO19050	4,4 x 37 x 15	4,4	37	15	22	3,4
ALRO19060	4,4 x 46 x 17	4,4	46	17	28	3,4
ALRO19070	4,4 x 55 x 18	4,4	55	18	33	3,4
ALRO20060	5 x 44 x 20	5	44	20	26	3,9
ALRO20070	5 x 53 x 20	5	53	20	32	3,9
ALRO20080	5 x 63 x 21	5	63	21	38	3,9
ALRO21080	5,6 x 60 x 22	5,6	60	22	36	4,4
ALRO21090	5,6 x 70 x 22	5,6	70	22	42	4,4
ALRO22100	6 x 79 x 23	6	79	23	47	4,7
ALRO22110	6 x 86 x 23	6	86	23	52	4,7
ALRO22120	6 x 97 x 25	6	97	25	58	4,7
ALRO23130	7,8 x 105 x 25	7,8	105	25	63	5,8

SUPPORT CHANNELS

CODE	DESCRIPTION	MATERIAL	COATING
GPZ201010	Slotted strut channel 20 x 10	Steel	 $\geq 5\mu\text{m}$
GPZ250808	Slotted strut channel 25 x 8	Steel	 $\geq 5\mu\text{m}$
GPG271812	Slotted strut channel 27 x 18	Steel	Pre-galvanized  $\geq 8\mu\text{m}$
GPG283018	Slotted strut channel 28 x 30	Steel	Pre-galvanized  $\geq 8\mu\text{m}$
GPG384020	Slotted strut channel 38 x 40	Steel	Pre-galvanized  $\geq 8\mu\text{m}$
GPG402015	Slotted strut channel 40 x 20	Steel	Pre-galvanized  $\geq 8\mu\text{m}$
GPP271812	Slotted strut channel 27 x 18	Steel	Plastic yellow paint 
GPI271812	Slotted strut channel 27 x 18	AISI 304 (A2)	
GPI283015	Slotted strut channel 28 x 30	AISI 304 (A2)	
GPI384020	Slotted strut channel 38 x 40	AISI 304 (A2)	
GPX412125	Slotted strut channel 41 x 21	Steel	Pre-galvanized  $\geq 8\mu\text{m}$
GPX412125	Slotted strut channel 41 x 41	Steel	Pre-galvanized  $\geq 8\mu\text{m}$
GPV251120	Slotted strut channel 25 x 11	PVC	
SPZ2718	Channel cantilever arm 27 x 18	Steel	 $\geq 5\mu\text{m}$
SPZ3840	Channel cantilever arm 38 x 40	Steel	 $\geq 5\mu\text{m}$
SPX4121	Channel cantilever arm 41 x 21	Steel	 $\geq 5\mu\text{m}$
SPX4141	Channel cantilever arm 41 x 21	Steel	 $\geq 5\mu\text{m}$
SPH	Channel cantilever arm	Steel	 $\geq 5\mu\text{m}$
SPV	Channel cantilever arm	Steel	 $\geq 5\mu\text{m}$
SPGH	Channel cantilever arm horizontal	Steel	 $\geq 5\mu\text{m}$
EMZ	Channel bracket	Steel	 $\geq 5\mu\text{m}$
EMI	Channel bracket	AISI 304 (A2)	
PGZ	Channel U fitting	Steel	 $\geq 5\mu\text{m}$
PGI	Channel U fitting	AISI 304 (A2)	
TUG	Nut	Steel	 $\geq 5\mu\text{m}$
TO-GU	Stud nut	Steel	 $\geq 5\mu\text{m}$
SO-TP	Cap	Plastic	

GEOMETRICAL ASPECTS

STRUT CHANNELS	Weight	Area	Moment of inertia I_y	Moment of inertia I_z	Resistant Module W_y	Resistant Module W_z	Section
	[kg/m]	[cm ²]	[cm ⁴]	[cm ⁴]	[cm ³]	[cm ³]	[mm x mm]
GPG271812	0,66	0,84	0,36	0,96	0,34	0,71	27 x 18
GPG283018	1,25	1,59	1,77	2,09	1,02	1,49	28 x 30
GPG384020	2,00	2,55	5,39	6,18	2,40	3,25	38 x 40
GPG402015	0,94	1,30	0,77	3,33	0,62	1,66	40 x 20
GPP271812	0,66	0,84	0,36	0,96	0,34	0,71	27 x 18
GPI271812	0,66	0,84	0,36	0,96	0,34	0,71	27 x 18
GPI283015	1,25	1,59	1,77	2,09	1,02	1,49	28 x 30
GPI384020	2,00	2,55	5,39	6,18	2,40	3,25	37 x 40
GPX412125	1,71	2,43	0,99	5,28	0,91	2,56	41 x 21
GPX414125	2,53	3,46	6,20	9,28	2,94	4,50	41 x 41
GPZ201010	0,31	0,43	0,06	0,27	0,10	0,27	20 x 10
GPZ250808	0,26	0,35	0,04	0,32	0,07	0,26	25 x 8
GPV251120	0,14	0,97	0,16	0,87	0,24	0,70	25 x 11



CHANNEL ARMS	Area	Moment of inertia I_y	Moment of inertia I_z	Resistant Module W_y	Resistant Module W_z
	[cm ²]	[cm ⁴]	[cm ⁴]	[cm ³]	[cm ³]
SPZ2718	0,84	0,36	0,96	0,34	0,71
SPZ3840	2,55	5,39	6,18	2,40	3,25
SPX4121	2,43	0,99	5,28	0,91	2,56
SPX4141	3,46	6,20	9,28	2,94	4,50

Ref. page

975A2M04	250
975A2M05	250
975A2M06	250
975A2M08	250
975A2M10	250
975A2M12	250
975A2M14	250
975A2M16	250
975A2M18	250
975A2M20	250
975A2M22	250
975A2M24	250
975A2M27	250
975A2M30	250
975A2M33	250
975A2M36	250
975ZM04	250
975ZM05	250
975ZM06	250
975ZM08	250
975ZM10	250
975ZM12	250
975ZM14	250
975ZM16	250
975ZM18	250
975ZM20	250
975ZM22	250
975ZM24	250
975ZM27	250
975ZM2M06	250
975ZM30	250
975ZM33	250
975ZM36	250
AACAR06	43
AACAR08	43
AACAR10	43
AACAR12	43
AACCA06	43
AACCA08	43
AACCA10	43
AACCA12	43
AACCA16	43
AACCI06	43
AACCI08	43
AACCI10	43
AACCI12	43
AACES06	43
AACES08	43
AACES10	43
AACES12	43
AACGA06	43
AACGA08	43
AACGA10	43
AACGA12	43
AACT006	43
AACT008	43
AACT010	43
AACT012	43
AACT016	43
AB6I012	208
AB6I015	208
AB6I016	208
AB6I018	208
AB6I022	208
AB6I026	208
AB6I028	208
AB6I032	208
AB6I035	208
AB6I042	208
AB6I048	208
AB6I054	208
AB6I060	208
AB7IDZ0810	211
AB7IDZ1012	211
AB7IDZ1214	211
AB7IDZ1416	211
AB7IDZ1618	211
AB7IDZ1820	211

Ref. page

AB7IDZ2022	211
AB7IDZ2224	211
AB7IDZ2628	211
AB7IZ010	211
AB7IZ012	211
AB7IZ014	211
AB7IZ016	211
AB7IZ018	211
AB7IZ020	211
AB7IZ022	211
AB7IZ024	211
AB7IZ026	211
AB7IZ028	211
AB7IZ032	211
AB7IZ034	211
AB7IZ036	211
AB7IZ038	211
AB7IZ040	211
AB7IZ050	211
ABA4832	172
ABA4838	172
ABA4845	172
ABA4850	172
ABA5538	172
ABA5545	172
ABA5555	172
ABA5565	172
ABA6360	172
ABA6370	172
ABA6385	172
ABBU1315	214
ABBU1618	214
ABBU1921	214
ABCH00034	198
ABCH01000	198
ABCH01012	198
ABCH01014	198
ABCH02000	198
ABCH02012	198
ABCH03000	198
ABCH04000	198
ABCH05000	198
ABCH06000	198
ABCH08000	198
ABCH10000	198
ABCH12000	198
ABCH14000	198
ABCH16000	198
ABCR010	214
ABCR012	214
ABD6012	207
ABD6015	207
ABD6018	207
ABD6022	207
ABD6028	207
ABDE075	199
ABDE090	199
ABDE110	199
ABDE125	199
ABDE160	199
ABDE200	199
ABDE250	199
ABDE315	199
ABDI0012	208
ABDI0015	208
ABDI0018	208
ABDI0022	208
ABDI0028	208
ABDP075	199
ABDP090	199
ABDP110	199
ABDP125	199
ABDP160	199
ABDP200	199
ABDP250	199
ABDZ6012	206
ABDZ6015	206
ABDZ6018	206

Ref. page

ABDZ6022	206
ABDZ6028	206
ABDZ70810	210
ABDZ71012	210
ABDZ71214	210
ABDZ71416	210
ABDZ71618	210
ABDZ71820	210
ABDZ72022	210
ABDZ72224	210
ABDZ72628	210
ABE144219	123
ABE144225	123
ABE144816	123
ABE144819	123
ABE144819CP	123
ABE144825	123
ABE144832	123
ABE144838	123
ABE145522	123
ABE145532	123
ABE144219	123
ABE164816	123
ABE164819	123
ABE164819CP	123
ABE164825	123
ABE164832	123
ABE164838	123
ABE165519	123
ABE165522	123
ABE165522CP	123
ABE165525	123
ABE165532	123
ABE165538	123
ABE165550	123
ABE165563	123
ABE165575	123
ABE166310	123
ABE166311	123
ABE166312	123
ABE166313	123
ABE166314	123
ABE166319	123
ABE166325	123
ABE166325CP	123
ABE166332	123
ABE166338	123
ABE166350	123
ABE166363	123
ABE166375	123
ABE166380	123
ABE166390	123
ABE184819	123
ABE184825	123
ABE184838	123
ABE185522	123
ABE185525	123
ABE185532	123
ABE185538	123
ABE185550	123
ABE185563	123
ABE186310	123
ABE186311	123
ABE186312	123
ABE186313	123
ABE186314	123
ABE186319	123
ABE186325	123
ABE186332	123
ABE186338	123
ABE186350	123
ABE186363	123
ABE186375	123
ABE186380	123
ABE186390	123
ABE255522	123
ABE255525	123
ABE256310	123

Ref. page

ABE256311	123
ABE256312	123
ABE256313	123
ABE256314	123
ABE256325	123
ABE256332	123
ABE256338	123
ABE256350	123
ABE256363	123
ABE256380	123
ABE256390	123
ABE3509	122
ABE3513	122
ABE3516	122
ABE3519	122
ABE4213	122
ABE4216	122
ABE4219	122
ABE4225	122
ABE4232	122
ABE4238	122
ABE4813	122
ABE4816	122
ABE4819	122
ABE4825	122
ABE4832	122
ABE4838	122
ABE5519	122
ABE5522	122
ABE5525	122
ABE5532	122
ABE5538	122
ABE5550	122
ABE5563	122
ABE5575	122
ABE6310	122
ABE6311	122
ABE6312	122
ABE6313	122
ABE6314	122
ABE6315	122
ABE6316	122
ABE6318	122
ABE6319	122
ABE6320	122
ABE6322	122
ABE6324	122
ABE6325	122
ABE6332	122
ABE6338	122
ABE6350	122
ABE6363	122
ABE6375	122
ABE6380	122
ABE6390	122
ABE14213	122
ABE14216	122
ABE14219	122
ABE14813	122
ABE14816	122
ABE14819	122
ABE14825	122
ABE14832	122
ABE15519	122
ABE15522	122
ABE15525	122
ABE16319	122
ABE16325	122
ABFC09	248
ABFC14	248
ABFC19	248
ABFP25	248
ABFP32	248
ABGA018	197
ABGA022	197
ABGA028	197
ABGA035	197
ABGA040	197

Ref. page

ABGA048	197
ABGA054	197
ABGA060	197
ABGA075	197
ABGA090	197
ABGA100	197
ABGA110	197
ABGA115	197
ABGA140	197
ABGA160	197
ABGD012	209
ABGD015	209
ABGD018	209
ABGD022	209
ABGD028	209
ABGM012	209
ABGM015	209
ABGM018	209
ABGM022	209
ABGM028	209
ABGM035	209
ABGS010	209
ABGS012	209
ABGS015	209
ABGS018	209
ABGS022	209
ABGS028	209
ABGS035	209
ABGS042	209
ABGS054	209
ABGUG12	235
ABGUG15	235
ABGUG18	235
ABGUG20	235
ABGUG22	235
ABGUG25	235
ABGUG28	235
ABGUG32	235
ABGUG40	235
ABGUG50	235
ABIA015	196
ABIA018	196
ABIA022	196
ABIA028	196
ABIA035	196
ABIA042	196
ABIA048	196
ABIA054	196
ABIA060	196
ABIA075	196
ABIA090	196
ABIA100	196
ABIA110	196
ABIA115	196
ABIA125	196
ABID012	234
ABID014	234
ABID016	234
ABID020	234
ABID028	234
ABIN012	234
ABIN014	234
ABIN016	234
ABIN020	234
ABIN028	234
ABIN035	234
ABIP015	213
ABIP018	213
ABIP022	213
ABIP026	213
ABIP028	213
ABIP035	213
ABIP042	213
ABIP048	213
ABIP054	213
ABIP060	213
ABIP067	213
ABIP075	213

Ref. page

ABIP090	213
ABIR015	197
ABIR018	197
ABIR022	197
ABIR028	197
ABIR035	197
ABIR040	197
ABIR048	197
ABIR054	197
ABIR060	197
ABM6008	207
ABM6010	207
ABM6012	207
ABM6014	207
ABM6015	207
ABM6016	207
ABM6018	207
ABM6020	207
ABM6022	207
ABM6025	207
ABM6026	207
ABM6028	207
ABM6032	207
ABM6035	207
ABM6037	207
ABM6040	207
ABM6042	207
ABM6047	207
ABM6050	207
ABM6054	207
ABM6060	207
ABM6063	207
ABM6A2012	222
ABM6A2015	222
ABM6A2018	222
ABM6A2020	222
ABM6A2022	222
ABM6A2028	222
ABM8050	201
ABM8063	201
ABM8075	201
ABM8090	201
ABM8110	201
ABM8125	201
ABM8160	201
ABM8200	201
ABM8250	201
ABM8315	201
ABMD10	233
ABMD12	233
ABMD14	233
ABMD16	233
ABMD18	233
ABMD20	233
ABMD22	233
ABMD26	233
ABMD28	233
ABMS10	233
ABMS12	233
ABMS14	233
ABMS16	233
ABMS18	233
ABMS20	233
ABMS22	233
ABMS26	233
ABMS28	233
ABMUG12	235
ABMUG15	235
ABMUG18	235
ABMUG22	235
ABMUG26	235
ABMUG32	235
ABMUG40	235
ABMUG48	235
ABMZ6010	206
ABMZ6012	206
ABMZ6014	206

Ref. page

ABMZ6015	206
ABMZ6016	206
ABMZ6018	206
ABMZ6020	206
ABMZ6022	206
ABMZ6025	206
ABMZ6026	206
ABMZ6028	206
ABMZ6032	206
ABMZ6035	206
ABMZ6037	206
ABMZ6040	206
ABMZ6042	206
ABMZ6047	206
ABMZ6050	206
ABMZ6054	206
ABMZ6060	206
ABMZ6063	206
ABMZ7008	210
ABMZ7010	210
ABMZ7012	210
ABMZ7014	210
ABMZ7016	210
ABMZ7018	210
ABMZ7020	210
ABMZ7022	210
ABMZ7024	210
ABMZ7025	210
ABMZ7026	210
ABMZ7028	210
ABMZ7032	210
ABMZ7034	210
ABMZ7036	210
ABMZ7038	210
ABMZ7040	210
ABMZ7050	210
ABMZ7063	210
ABP3509	133
ABP3511	133
ABP3513	133
ABP3516	133
ABP3519	133
ABP3522	133
ABP3525	133
ABP3913	133
ABP3916	133
ABP3919	133
ABP3922	133
ABP3925	133
ABP3932	133
ABP3938	133
ABP4213	133
ABP4216	133
ABP4219	133
ABP4222	133
ABP4225	133
ABP4232	133
ABP4238	133
ABP4813	133
ABP4816	133
ABP4819	133
ABP4825	133
ABP4832	133
ABP4838	133
ABP4850	133
ABP5519	133
ABP5525	133
ABP5532	133
ABP5538	133
ABP5550	133
ABPC3919	134
ABPC3925	134
ABPC3932	134
ABPC3938	134
ABPC4216	134
ABPC4219	134
ABPC4222	134
ABPC4813	134

Ref. page

ABPC4816	134
ABPC4825	134
ABPC4850	134
ABPC5525	134
ABPC5532	134
ABPE028	198
ABPE035	198
ABPE040	198
ABPE048	198
ABPE060	198
ABPE075	198
ABPE090	198
ABPE100	198
ABPE115	198
ABPE140	198
ABPE160	198
ABPE220	198
ABPI006	212
ABPI008	212
ABPI010	212
ABPI012	212
ABPI014	212
ABPI016	212
ABPI018	212
ABPI020	212
ABPI022	212
ABPI025	212
ABPI026	212
ABPI028	212
ABPI032	212
ABPI040	212
ABPI042	212
ABPI047	212
ABPI050	212
ABPI063	212
ABPM720	248
ABPM730	248
ABPM740	248
ABPRG15	233
ABPRG20	233
ABPRG25	233
ABPRG32	233
ABPRG40	233
ABPRG50	233
ABPU016	212
ABPU018	212
ABPU020	212
ABPU022	212
ABPU025	212
ABPU028	212
ABPU032	212
ABPU037	212
ABPU040	212
ABPU050	212
ABPU063	212
ABR3509	131
ABR3509BLE	130
ABR3511	131
ABR3513	131
ABR3513BLE	130
ABR3516	131
ABR3516BLE	130
ABR3519	131
ABR3522	131
ABR3525	131
ABR3532	131
ABR3913	131
ABR3916	131
ABR3919	131
ABR3925	131
ABR3932	131
ABR4213	131
ABR4213BLE	130
ABR4216	131
ABR4216BLE	130
ABR4219	131
ABR4219BLE	130

Ref. page

ABR4222	131
ABR4225	131
ABR4232	131
ABR4238	131
ABR4250	131
ABR4810	131
ABR4811	131
ABR4812	131
ABR4813	131
ABR4816	131
ABR4819	131
ABR4822	131
ABR4825	131
ABR4825BLE	130
ABR4832	131
ABR4838	131
ABR4845	131
ABR4850	131
ABR4860	131
ABR4880	131
ABR4890	131
ABR5519	131
ABR5522	131
ABR5525	131
ABR5532	131
ABR5538	131
ABR5545	131
ABR5560	131
ABR5573	131
ABRA015	196
ABRA018	196
ABRA022	196
ABRA028	196
ABRA035	196
ABRA042	196
ABRA048	196
ABRA054	196
ABRA060	196
ABRA075	196
ABRA090	196
ABRA100	196
ABRA110	196
ABRA115	196
ABRA125	196
ABRA23509	130
ABRA23513	130
ABRA23519	130
ABRA24213	130
ABRA24216	130
ABRA24219	130
ABRA24225	130
ABRA24816	130
ABRA24819	130
ABRA24825	130
ABRA24832	130
ABRA24838	130
ABRA24850	130
ABRC3509	132
ABRC3513	132
ABRC3516	132
ABRC3519	132
ABRC3913	132
ABRC3916	132
ABRC3919	132
ABRC3925	132
ABRC3938	132
ABRC4213	132
ABRC4216	132
ABRC4219	132
ABRC4225	132
ABRC4232	132
ABRC4238	132
ABRC4810	132
ABRC4816	132
ABRC4819	132
ABRC4825	132
ABRC4832	132
ABRC4838	132

Ref. page

ABRC4845	132
ABRC4850	132
ABRC4860	132
ABRC4880	132
ABRC4890	132
ABRC5525	132
ABRC5573	132
ABRCA23509	132
ABRCA23522	132
ABRCA23938	132
ABRCA24813	132
ABRE018	195
ABRE022	195
ABRE028	195
ABRE035	195
ABRE040	195
ABRE048	195
ABRE054	195
ABRE060	195
ABRE070	195
ABRE075	195
ABRE083	195
ABRE090	195
ABRE100	195
ABRE110	195
ABRE115	195
ABRE125	195
ABRE133	195
ABRE140	195
ABRE150	195
ABRE160	195
ABRE180	194
ABRE200	195
ABRE220	195
ABRE250	195
ABRE300	195
ABRE315	195
ABRE355	195
ABRE400	195
ABRE450	195
ABRE500	195
ABRE560	195
ABRE600	195
ABRE630	195
ABRE710	195
ABRE800	195
ABRE900	195
ABRE910	195
ABRE911	195
ABRE912	195
ABREA2018	221
ABREA2022	221
ABREA2028	221
ABREA2035	221
ABREA2040	221
ABREA2048	221
ABREA2054	221
ABREA2060	221
ABREA2075	221
ABREA2090	221
ABREA2110	221
ABREA2115	221
ABREA2125	221
ABREA2140	221
ABREA2160	221
ABREA2166	221
ABREA2175	221
ABREA2180	221
ABREA2186	221
ABREA2190	221
ABREA2200	221
ABREA4018	221
ABREA4022	221
ABREA4028	221
ABREA4035	221
ABREA4040	221
ABREA4048	221
ABREA4054	221
ABREA4060	221
ABREA4075	221
ABREA4090	221
ABREA4110	221
ABREA4115	221

Ref. page

ABREA4125	221
ABREA4140	221
ABREA4160	221
ABREA4200	221
ABRI018	194
ABRI022	194
ABRI028	194
ABRI035	194
ABRI040	194
ABRI048	194
ABRI054	194
ABRI060	194
ABRI070	194
ABRI075	194
ABRI083	194
ABRI090	194
ABRI100	194
ABRI110	194
ABRI115	194
ABRI125	194
ABRI133	194
ABRI140	194
ABRI150	194
ABRI160	194
ABRI180	194
ABRI200	194
ABRI220	194
ABRI250	194
ABRI300	194
ABRI315	194
ABRI355	194
ABRI400	194
ABRI450	194
ABRI500	194
ABRI560	194
ABRI600	194
ABRI630	194
ABRI710	194
ABRI800	194
ABRI900	194
ABRI910	194
ABRI911	194
ABRI912	194
ABRIA2018	220
ABRIA2022	220
ABRIA2028	220
ABRIA2035	220
ABRIA2040	220
ABRIA2048	220
ABRIA2054	220
ABRIA2060	220
ABRIA2075	220
ABRIA2090	220
ABRIA2110	220
ABRIA2115	220
ABRIA2125	220
ABRIA2140	220
ABRIA2160	220
ABRIA4018	220
ABRIA4022	220
ABRIA4028	220
ABRIA4035	220
ABRIA4040	220
ABRIA4048	220
ABRIA4054	220
ABRIA4060	220
ABRIA4075	220
ABRIA4090	220
ABRIA4110	220
ABRIA4115	220
ABRIA4125	220
ABRIA4140	220
ABRIA4160	220
ABSA050100	200
ABSA050125	200
ABSA050200	200
ABSA050300	200
ABSA050400	200

Ref. page

ABSA050500	200
ABSA050600	200
ABSA100100	200
ABSA100125	200
ABSA100200	200
ABSA100300	200
ABSA100400	200
ABSA100500	200
ABSI003	213
ABSI004	213
ABSI005	213
ABSI006	213
ABSI007	213
ABSI008	213
ABSI009	213
ABSI010	213
ABSI011	213
ABSI012	213
ABSI013	213
ABSI014	213
ABSI015	213
ABSI016	213
ABSI017	213
ABSI018	213
ABSI019	213
ABSI020	213
ABSI021	213
ABSI022	213
ABSI025	213
ABTA0630	246
ABTA0640	246
ABTA0650	246
ABTA0730	246
ABTA0740	246
ABTA0750	246
ABTA0760	246
ABTA0770	246
ABTA0780	246
ABTA0840	246
ABTA0860	246
ABTA0880	246
ABTA1050	246
ABTA1070	246
ABTA1090	246
ABTA20630	246
ABTAB0630	246
ABTAB0640	246
ABTAB0650	246
ABTC020	232
ABTC025	232
ABTD016	232
ABTD018	232
ABTD020	232
ABTD022	232
ABTD025	232
ABTD028	232
ABTG4530	246
ABTG4535	246
ABTG4540	246
ABTG5030	246
ABTG5040	246
ABTO06015	213
ABTR05030	247
ABTR05040	247
ABTR05050	247
ABTR05060	247
ABTR06040	247
ABTR06050	247
ABTR06060	247
ABTS014	232
ABTS016	232
ABTS018	232
ABTS020	232
ABTS022	232
ABTS025	232
ABTS028	232
ABTS032	232
ACHA08C	39

Ref. page

ACHA09C	39	ACHTA211C	37
ACHA10C	39	ACHTA211L	37
ACHA11C	39	ACHTA212C	37
ACHA12C	39	ACHTA212L	37
ACHA14C	39	ACHTA214C	37
ACHA16C	39	ACHTA214L	37
ACHAA208C	41	ACHTA216C	37
ACHAA210C	41	ACHTA216L	37
ACHAA212C	41	ACHTA220C	37
ACHAFO08C	40	ACHTP108C	38
ACHAFO10C	40	ACHTP108L	38
ACHAFO12C	40	ACHTP110C	38
ACHE08C	39	ACHTP110L	38
ACHE09C	39	ACHTP112C	38
ACHE10C	39	ACHTP112L	38
ACHE10L	39	ACHTPL08C	38
ACHE11C	39	ACHTPL08L	38
ACHE11L	39	ACHTPL10C	38
ACHE12C	39	ACHTPL10L	38
ACHE12L	39	ACHTPL12C	38
ACHE14C	39	ACHTPL12L	38
ACHE14L	39	ADSUPM300	83
ACHG08C	39	ADUTC47	110
ACHG09C	39	ADUTC60	110
ACHG10C	39	AFAZ144819	170
ACHG11C	39	AFAZ144828	170
ACHG12C	39	AFAZ144835	170
ACHG14C	39	AFBL144819	171
ACHG16C	39	AFBL144828	171
ACHGA208C	41	AFBL144835	171
ACHGA210C	41	AFGR144819	171
ACHGA212C	41	AFGR144828	171
ACHGE10	41	AFGR144835	171
ACHGE12	41	AFMC144819	170
ACHGFO08C	40	AFMC144828	170
ACHGFO10C	40	AFMC144835	170
ACHGFO12C	40	AFMD144819	171
ACHINB08C	40	AFMD144828	171
ACHINB08L	40	AFMD144835	171
ACHINB10C	40	AFNE144819	171
ACHINB10L	40	AFNE144828	171
ACHINN08C	40	AFNE144835	171
ACHINN08L	40	AFPG144819	171
ACHINN10C	40	AFPG144828	171
ACHINN10L	40	AFPG144835	171
ACHT08C	37	AFRD144819	170
ACHT08L	37	AFRD144828	170
ACHT09C	37	AFRD144835	170
ACHT09L	37	AFRT144819	170
ACHT10C	37	AFRT144828	170
ACHT10L	37	AFRT144835	170
ACHT11C	37	AFVE144819	170
ACHT11L	37	AFVE144828	170
ACHT12C	37	AFVE144835	170
ACHT12L	37	AFZN144819	170
ACHT14C	37	AFZN144828	170
ACHT14L	37	AFZN144835	170
ACHT16C	37	AGP023025	201
ACHT16L	37	AGP026028	201
ACHT20C	37	AGP029031	201
ACHT25C	37	AGP032035	201
ACHT8808C	38	AGP036039	201
ACHT8808E	38	AGP040043	201
ACHT8808L	38	AGP044047	201
ACHT8810C	38	AGP048051	201
ACHT8810E	38	AGP052055	201
ACHT8810L	38	AGP056059	201
ACHT8812C	38	AGP060063	201
ACHT8812L	38	AGP064067	201
ACHT8816C	38	AGP068073	201
ACHT8816L	38	AGP074079	201
ACHT8820C	38	AGP080085	201
ACHTA208C	37	AGP086091	201
ACHTA208L	37	AGP092097	201
ACHTA209C	37	AGP098103	201
ACHTA209L	37	AGP104112	201
ACHTA210C	37	AGP113121	201
ACHTA210L	37	AGP122130	201

Ref. page

Ref. page

AGP131139	201	AHIGA1690	42
AGP140148	201	AHIT00645	42
AGP149161	201	AHIT00855	42
AGP162174	201	AHIT01065	42
AH06060	51	AHIT01275	42
AH06070	51	AHIT01690	42
AH06080	51	AIS08080	94
AH06090	51	AIS08100	94
AH06100	51	AIS08120	94
AH06110	51	AIS08140	94
AH06120	51	AISC10070	94
AH06130	51	AISC10090	94
AH06140	51	AISC10110	94
AH06150	51	AISC10130	94
AH06160	51	ALHA14025	276
AH06170	51	ALHA16030	276
AH06180	51	ALHA17040	276
AH08060	51	ALHA18040	276
AH08075	51	ALHA18050	276
AH08090	51	ALHA19050	276
AH08100	51	ALHA19060	276
AH08115	51	ALHA19070	276
AH08120	51	ALHA20050	276
AH08130	51	ALHA20060	276
AH08155	51	ALHA20070	276
AH10070	51	ALHA20080	276
AH10080	51	ALHA21070	276
AH10090	51	ALHA21080	276
AH10100	51	ALHA21090	276
AH10120	51	ALHA21100	276
AH10140	51	ALHA22110	276
AH10150	51	ALHA22120	276
AH10160	51	ALHA23130	276
AH10170	51	ALHC14025	277
AH10210	51	ALHC16030	277
AH10230	51	ALHC17040	277
AH12090	51	ALHC18040	277
AH12100	51	ALHC18050	277
AH12110	51	ALHC19050	277
AH12120	51	ALHC19060	277
AH12130	51	ALHC19070	277
AH12140	51	ALHC20050	277
AH12160	51	ALHC20060	277
AH12180	51	ALHC20070	277
AH12200	51	ALHC20080	277
AH12220	51	ALHC21070	277
AH12250	51	ALHC21080	277
AH14120	51	ALHC21090	277
AH14145	51	ALHC21100	277
AH14170	51	ALHC22110	277
AH14220	51	ALHC22120	277
AH14250	51	ALHC23130	277
AH16125	51	ALRO14025	278
AH16145	51	ALRO16030	278
AH16170	51	ALRO17040	278
AH16220	51	ALRO18040	278
AH16250	51	ALRO18050	278
AH16280	51	ALRO19050	278
AH20170	51	ALRO19060	278
AH20220	51	ALRO19070	278
AH20270	51	ALRO20060	278
AHAR0645	42	ALRO20070	278
AHAR0855	42	ALRO20080	278
AHAR1065	42	ALRO21080	278
AHAR1275	42	ALRO21090	278
AHAR1690	42	ALRO22100	278
AHICA0645	42	ALRO22110	278
AHICA0855	42	ALRO22120	278
AHICA1065	42	ALRO23130	278
AHICA1275	42	AM06045	54
AHICA1690	42	AM06055	54
AHIC0645	42	AM06060	54
AHIC0855	42	AM06065	54
AHIC1065	42	AM06070	54
AHIGA0645	42	AM06080	54
AHIGA0855	42	AM06085	54
AHIGA1065	42	AM06090	54
AHIGA1275	42	AM06100	54

Ref. page

Ref. page

AM06110	54	ANFA25021	66
AM06120	54	AP08050	49
AM06130	54	AP08075	49
AM06140	54	AP08095	49
AM06150	54	AP08115	49
AM06160	54	AP10090	49
AM06170	54	AP10105	49
AM06180	54	AP10115	49
AM08050	54	AP10135	49
AM08060	54	AP10165	49
AM08065	54	AP10185	49
AM08075	54	AP12080	49
AM08090	54	AP12100	49
AM08115	54	AP12110	49
AM08120	54	AP12120	49
AM08130	54	AP12130	49
AM08155	54	AP12150	49
AM10065	54	AP12180	49
AM10070	54	AP12200	49
AM10080	54	AP16145	49
AM10090	54	AP16175	49
AM10100	54	AP16220	49
AM10120	54	AP16250	49
AM10140	54	AP20170	49
AM10150	54	AP20200	49
AM10160	54	AP24205	49
AM10170	54	AP24235	49
AM10210	54	APA408068	50
AM10230	54	APA408075	50
AM12075	54	APA408090	50
AM12080	54	APA408115	50
AM12090	54	APA408135	50
AM12100	54	APA408165	50
AM12110	54	APA410090	50
AM12120	55	APA410105	50
AM12140	55	APA410115	50
AM12160	55	APA410135	50
AM12180	55	APA410155	50
AM12220	55	APA410185	50
AM12250	55	APA412110	50
AM14080	55	APA412120	50
AM14100	55	APA412145	50
AM14120	55	APA412170	50
AM14145	55	APA412200	50
AM14170	55	APA416130	50
AM14220	55	APA416150	50
AM14250	55	APA416185	50
AM16090	55	APA416220	50
AM16110	55	APAR070	272
AM16125	55	APAR150	272
AM16145	55	APAT071	272
AM16170	55	APAT091	272
AM16220	55	APAT101	272
AM16250	55	APEN71	273
AM16280	55	APEN91	273
AM20120	55	APFL801020	272
AM20170	55	APFU070	272
AM20220	55	APG06060	50
AM20270	55	APG06070	50
AM24180	55	APG06100	50
AM24260	55	APG08050	50
ANCLA40	102	APG08060	50
ANCLA47	102	APG08075	50
ANCU06040	62	APG08095	50
ANCU06070	62	APG08115	50
ANFA2309	66	APG10070	50
ANFA2312	66	APG10090	50
ANFA2316	66	APG10105	50
ANFA2319	66	APG10115	50
ANFA2323	66	APG10135	50
ANFA2330	66	APG10165	50
ANFA2335	66	APG10185	50
ANFA5114	66	APG12080	50
ANFA5116	66	APG12110	50
ANFA5120	66	APG12130	50
ANFA5124	66	APG12150	50
ANFATA37B	66	APG12180	50
ANFATA70B	66	APG12200	50

Ref. page

Ref. page

APG16125	50
APG16145	50
APG16175	50
APG16220	50
APG20170	50
APG20200	50
APPD100	272
APPG070	273
APPG100	273
APPT071	273
APPT091	273
APPT101	273
APSB71	273
APSB91	273
APUE200	273
APX08050	49
APX08075	49
APX08080	49
APX08095	49
APX08115	49
APX10090	49
APX10105	49
APX10115	49
APX10135	49
APX10165	49
APX10185	49
APX12080	49
APX12100	49
APX12110	49
APX12120	49
APX12130	49
APX12150	49
APX12180	49
APX12200	49
APX12220	49
APX12255	49
APX16145	49
APX16175	49
APX16220	49
APX16250	49
APX20170	49
APX20200	49
ARANE14	127
ARANE16	127
ARANE18	127
ARANE25	127
ARE164816	124
ARE164819	124
ARE165522	124
ARE166320	124
ARE166325	124
ARE166332	124
ARE166338	124
ARE166350	124
ARE4816	124
ARE4819	124
ARE5522	124
ARE6320	124
ARE6325	124
ARE6332	124
ARE6338	124
ARE6350	124
ARE6363	124
ARE6380	124
ARFOM06Z	249
ARFOM08Z	249
ARFOM10Z	249
ARFOM12Z	249
ARFOM16Z	249
ARINO14	127
ARINO16	127
ARINO18	127
ARINO25	127
ARINOM30	127
ASF008016	214
ASF012022	214
ASF016027	214
ASF020032	214

Ref. page

ASF025040	214
ASF030045	214
ASF035050	214
ASF040060	214
ASF050070	214
ASF060080	214
ASF070090	214
ASF080100	214
ASF090110	214
ASF100120	214
ASF110130	214
ASF120140	214
ASF130150	214
ASF2010016	222
ASF2012020	222
ASF2016027	222
ASF2020032	222
ASF2025040	222
ASF2032050	222
ASF2040060	222
ASF2050070	222
ASF2060080	222
ASF2070090	222
ASF2080100	222
ASF2090110	222
ASF2100120	222
ASF2110130	222
ASF2120140	222
ASF2130150	222
ATA4832	172
ATA4838	172
ATA4845	172
ATA4850	172
ATA5538	172
ATA5545	172
ATA5550	172
ATA5555	172
ATA5565	172
ATA6310	172
ATA6350	172
ATA6360	172
ATA6370	172
ATA6385	172
ATAPO08AR	124
ATAPO08B0	124
ATAPO08BP	124
ATAPO08NE	124
ATAPO08RC	124
ATAPO08RT	124
ATAPO08VN	124
ATAPO10AR	124
ATAPO10BO	124
ATAPO10BP	124
ATAPO10NE	124
ATAPO10RC	124
ATAPO10RT	124
ATAPO10VN	124
AUE166319	125
AUE166325	125
AUE166332	125
AUE166340	125
AUE166350	125
AUE166360	125
AUE166380	125
AUE186310	125
AUE186311	125
AUE186312	125
AUE186313	125
AUE186314	125
AUE186315	125
AUE186325	125
AUE186332	125
AUE186340	125
AUE186350	125
AUE186360	125
AUE186380	125
AUE256325	125
AUE6310	125

Ref. page

AUE6311	125
AUE6312	125
AUE6313	125
AUE6314	125
AUE6315	125
AUE6319	125
AUE6325	125
AUE6332	125
AUE6340	125
AUE6350	125
AUE6360	125
AUE6380	125
AUTO16532	125
AUTO16538	125
AUTO532	125
AUTO538	125
AVC08120	63
AVC08150	63
AVC10120	63
AVC10150	63
AVF10180	63
AVR08120	63
AVR08150	63
AVR10120	63
AVR10150	63
AVR10180	63
AZAMA06	45
AZAMA08	45
AZAMA10	45
AZAMA12	45
AZAMAFO06	44
AZAMAFO08	44
AZAMAFO10	44
AZAMAFO12	44
AZAMC06	45
AZAMC08	45
AZAMC10	45
AZAMC12	45
AZAMC16	45
AZAME06	45
AZAME08	45
AZAME10	45
AZAME12	45
AZAME16	45
AZAMG06	45
AZAMG08	45
AZAMG10	45
AZAMG12	45
AZAMGFO06	44
AZAMGFO08	44
AZAMGFO10	44
AZAMGFO12	44
AZAMT06	45
AZAMT08	45
AZAMT10	45
AZAMT12	45
AZAMT16	45
AZIMO60250	200
AZIMO60375	200
AZIMO60500	200
AZIMO60750	200
AZIMO61000	200
AZIMO61250	200
AZIMO81500	200
AZIMO82000	200
AZIMO82250	200
AZIMO82500	200
AZIMO83000	200
AZIMO83500	200
AZIMO84000	200
AZIMO84500	200
AZIMO85000	200
AZIMO86000	200
AZIMO103000	200
AZIMO103500	200
AZIMO104000	200
AZIMO105000	200
AZIMO106000	200

Ref. page

AZIM108000	200
BAESM04	99
BAESM05	99
BAESM06	99
BAESM08	99
BAGAM04	99
BAGAM05	99
BAGAM06	99
BAGAM08	99
BAUT0165510	126
BAUT0165540	126
BAUT0165550	126
BAUT0165565	126
BAUT0165580	126
BAUT05510	126
BAUT05540	126
BAUT05550	126
BAUT05565	126
BAUT05580	126
BB12100	226
BB12225	226
BB12500	226
BB12720	226
BB12850	226
BB25080	226
BB25100	226
BB25140	226
BB25160	226
BB25200	226
BB36140	226
BB36200	226
BB36300	226
BB36370	226
BB48120	226
BB48160	226
BB48180	226
BB48200	226
BB48250	226
BB48290	226
BB48370	226
BB48430	226
BB76150	226
BB76200	226
BB76290	226
BB76370	226
BB76450	226
BB76540	226
BB88770	226
BBANA19	228
BBANE27	228
BBANE19	228
BBANE27	228
BC25100AM	229
BC25100AZ	229
BC25100MA	229
BC25100RO	229
BC25100VE	229
BC25100V	229
BC36140AM	229
BC36140AZ	229
BC36140MA	229
BC36140RO	229
BC36140VE	229
BC36200AM	229
BC36200AZ	229
BC36200MA	229
BC36200RO	229
BC36200VE	229
BC48200AM	229
BC48200AZ	229
BC48200MA	229
BC48200RO	229
BC48200VE	229
BC48290MA	229
BC48290RO	229
BC48290VE	229
BCPA24214	134

Ref. page

BCPB4214	134
BCPB4223	134
BCPN4214	134
BCPN4223	134
BCPZ4214	134
BCPZ4214BL	134
BCPZ4223	134
BCPZ4223BL	134
BHDS06110	288
BHDS06160	288
BHDS06210	288
BHDS08110	288
BHDS08160	288
BHDS08210	288
BHDS10160	288
BHDS10210	288
BHDS12160	288
BHDS12210	288
BHDS16210	288
BHDS16310	288
BID25110	228
BID25210	228
BIE164825	126
BIE165525	126
BIE165532	126
BIE165538	126
BIE165550	126
BIE165558	126
BIE165565	126
BIE165580	126
BIE166325	126
BIE4825	126
BIE5525	126
BIE5532	126
BIE5538	126
BIE5550	126
BIE5558	126
BIE5565	126
BIE5580	126
BIE6325	126
BN12100	225
BN12225	225
BN12500	225
BN12720	225
BN12850	225
BN25080	225
BN25100	225
BN25140	225
BN25160	225
BN25200	225
BN36140	225
BN36200	225
BN36300	225
BN36370	225
BN48120	225
BN48160	225
BN48180	225
BN48200	225
BN48250	225
BN48290	225
BN48370	225
BN48430	225
BN76150	225
BN76200	225
BN76290	225
BN76370	225
BN76450	225
BN76540	225
BN88770	225
BOCA006	187
BOCA007	187
BOCA008	187
BOCA010	187
BPL02616	228
BZ125IM04	175
BZ125IM06	175
BZ125IM08	175
BZ125ZM04	175

Ref. page

BZ125ZM05	175
BZ125ZM06	175
BZ125ZM08	175
BZ125ZM10	175
BZ125ZM12	175
BZ12704	175
BZ12705	175
BZ12706	175
BZ12708	175
BZ12710	175
BZ12712	175
BZ3104020	179
BZ3104030	179
BZ3104020	179
BZ3104030	179
BZ3104040	179
BZ3104050	179
BZ3108020	179
BZ3108030	179
BZ3108040	179
BZ3108050	179
BZ3108060	179
BZ3204020	179
BZ3204030	179
BZ3205010	179
BZ3205015	179
BZ3205020	179
BZ3205025	179
BZ3205030	179
BZ3205040	179
BZ3205050	179
BZ3206016	179
BZ3206020	179
BZ3206025	179
BZ3206030	179
BZ3206040	179
BZ3206050	179
BZ3206060	179
BZ3206070	179
BZ3208016	179
BZ3208020	179
BZ3208025	179
BZ3208030	179
BZ3208040	179
BZ3208050	179
BZ3208060	179
BZ3208070	179
BZ603905020	181
BZ603905030	181
BZ603905040	181
BZ603905050	181
BZ603906016	181
BZ603906020	181
BZ603906030	181
BZ603906040	181
BZ603906050	181
BZ603906060	181
BZ603906070	181
BZ603906080	181
BZ603906080	181
BZ603906090	181
BZ603910025	181
BZ603910030	181
BZ603910040	181
BZ603910050	181
BZ902104	176
BZ902105	176
BZ902106	176
BZ902108	176
BZ902110	176
BZ902112	176
BZ934IM04	177

Ref. page

BZ934IM06	177
BZ934IM08	177
BZ934ZM04	177
BZ934ZM05	177
BZ934ZM06	177
BZ934ZM08	177
BZ934ZM10	177
BZ934ZM12	177
BZABE144819	123
BZABE144825	123
BZABE164819	123
BZABE165522	123
BZABE165525	123
BZABE165532	123
BZABE165538	123
BZABE165550	123
BZABE166325	123
BZABE166332	123
BZABE166338	123
BZABE3509	122
BZABE3513	122
BZABE4213	122
BZABE4216	122
BZABE4219	122
BZABE4225	122
BZABE4813	122
BZABE4816	122
BZABE4819	122
BZABE4825	122
BZABE4832	122
BZABE4838	122
BZABE5519	122
BZABE5522	122
BZABE5525	122
BZABE5532	122
BZABE5538	122
BZABE5550	122
BZABE6325	122
BZABE6332	122
BZABE6338	122
BZABE6350	122
BZABP3513	133
BZABP3516	133
BZABP4219	133
BZABP4225	133
BZABP4232	133
BZABP1016	212
BZABP1018	212
BZABP1020	212
BZABP1022	212
BZABP1025	212
BZABP1028	212
BZABP1032	212
BZABR3509	131
BZABR3513	131
BZABR3516	131
BZABR4213	131
BZABR4216	131
BZABR4219	131
BZABR4225	131
BZABR4232	131
BZABR4816	131
BZABR4819	131
BZABR4825	131
BZABR4832	131
BZABR4838	131
BZABR4845	131
BZABR4850	131
BZABR4860	131
BZACHA08C	39
BZACHA10C	39
BZACHA12C	39
BZACHG08C	39
BZACHG10C	39
BZACHG12C	39
BZACHINB08C	40
BZACHINB10C	40
BZACHT08C	37

Ref. page

BZACHT08L	37
BZACHT10C	37
BZACHT10L	37
BZACHT12C	37
BZACHT12L	37
BZACHTA208C	37
BZACHTA208L	37
BZACHTA210C	37
BZACHTA210L	37
BZAGP023025	201
BZAGP029031	201
BZAGP040043	201
BZALHA14025	276
BZALHA16030	276
BZALHA17040	276
BZALHA18040	276
BZALHA18050	276
BZALHA19050	276
BZALHA19060	276
BZALHA19070	276
BZALHA20060	276
BZALHA20070	276
BZALHA20080	276
BZALHA21080	276
BZALHA21090	276
BZALHA21100	276
BZALHA22110	276
BZALHA22120	276
BZALHA23130	276
BZALHAT04	92
BZALHAT05	92
BZALHAT06	92
BZALHAT08	92
BZALHATS05	95
BZALHATS06	95
BZALHATS08	95
BZALHC14025	277
BZALHC16030	277
BZALHC17040	277
BZALHC18040	277
BZALHC18050	277
BZALHC19050	277
BZALHC19060	277
BZALHC19070	277
BZALHC20060	277
BZALHC20070	277
BZALHC20080	277
BZALHC21080	277
BZALHC21090	277
BZALHC21100	277
BZALHC22110	277
BZALHC22120	277
BZALHC23130	277
BZALHCT04	92
BZALHCT05	92
BZALHCT06	92
BZALHCT08	92
BZALHCTS05	95
BZALHCTS06	95
BZALHCTS08	95
BZALRO14025	278
BZALRO16030	278
BZALRO17040	278
BZALRO18040	278
BZALRO18050	278
BZALRO19050	278
BZALRO19060	278
BZALRO19070	278
BZALRO20060	278
BZALRO20070	278
BZALRO21080	278
BZALRO21090	278
BZALRO22100	278
BZALRO22110	278
BZALRO22120	278
BZALRO23130	278
BZALROT04	92
BZALROT05	92

Ref. page

BZALROT06	92
BZALROT08	92
BZALROTS05	95
BZALROTS06	95
BZALROTS08	95
BZAMO6060	55
BZAMO6080	55
BZAMO8050	55
BZAMO8075	55
BZAMO8090	55
BZAM10070	55
BZAM10090	55
BZAM10120	55
BZAM12090	55
BZAM12110	55
BZAM12140	55
BZANCL440	102
BZANCL447	102
BZARANE14	127
BZARANE16	127
BZARANE18	127
BZASF008016	214
BZASF012022	214
BZASF016027	214
BZASF020032	214
BZASF025040	214
BZBAESM04	99
BZBAESM05	99
BZBAESM06	99
BZBAGAM04	99
BZBAGAM05	99
BZBAGAM06	99
BZBB25100	226
BZBB25160	226
BZBB25200	226
BZBB36140	226
BZBB36200	226
BZBB36300	226
BZBB48160	226
BZBB48200	226
BZBB48290	226
BZBB48370	226
BZBN25100	225
BZBN25160	225
BZBN25200	225
BZBN36140	225
BZBN36200	225
BZBN36300	225
BZBN48160	225
BZBN48200	225
BZBN48290	225
BZBN48370	225
BZBOCA008	187
BZBOCA010	187
BZGRB001	237
BZGRB010	237
BZGRB050	237
BZGRB060	237
BZGRB070	237
BZGRB080	237
BZGRB090	237
BZGRB100	237
BZGRB120	237
BZHENOM06	65
BZHENOM08	65
BZHENOM10	65
BZINCO432	101
BZINCO438	101
BZINCO537	101
BZINCO552	101
BZINCO565	101
BZINCO637	101
BZINCO652	101
BZINVN7060	167
BZINVN7070	167
BZINVN7080	167
BZINVZ7060	167
BZINVZ7070	167

Ref. page

BZINVZ7080	167
BZMAE0630	251
BZMAE0825	251
BZMAE1030	251
BZMEDUB06	94
BZMEDUB08	94
BZMEDUB10	94
BZMI08075	53
BZMI10090	53
BZPACP22520	279
BZPACP22525	279
BZPACP22530	279
BZPACP25040	279
BZPACP25050	279
BZPACP29060	279
BZPACP29070	279
BZPACP34040	279
BZPACP34050	279
BZPACP34060	279
BZPACP34070	279
BZPAESM04	98
BZPAESM05	98
BZPAESM06	98
BZPAGAM04	98
BZPAGAM05	98
BZPAGAM06	98
BZPL35025	107
BZPL35035	107
BZPL35045	107
BZPUPHCL01	186
BZPUPHCL02	186
BZPUPHCL03	186
BZPUPOCL01	186
BZPUPOCL02	186
BZPUPOCL03	186
BZPUTOT01	186
BZPUTOT02	186
BZRECA4010	282
BZRECA4012	282
BZRECA4016	282
BZRECA4810	282
BZRECA4812	282
BZRECA4814	282
BZRECA4816	282
BZRECA4818	282
BZRECA4818	282
BZREFL4835	284
BZRENO3208	283
BZRENO3210	283
BZRENO4008	283
BZRENO4010	283
BZRENO4012	283
BZRENO4016	283
BZRENO4810	283
BZRENO4812	283
BZRENO4816	283
BZRENO4820	283
BZRENO4824	283
BZT8135009	138
BZT8135013	138
BZT8135016	138
BZT8135019	138
BZT8139013	138
BZT8139016	138
BZT8139019	138
BZT8139025	138
BZT8139032	138
BZT8142009	138
BZT8142013	138
BZT8142016	138
BZT8142019	138
BZT8142025	138
BZT8142032	138
BZT8142038	138
BZT8148016	138
BZT8148019	138
BZT8148025	138
BZT8148032	138
BZT8148038	138

Ref. page

BZT8148050	138
BZT8148060	138
BZT8155025	138
BZT8155032	138
BZT8155038	138
BZT8155050	138
BZT8242019	140
BZT8242025	140
BZT8248025	140
BZT8248038	140
BZT9650410Z	183
BZT9650420Z	183
BZT9650430Z	183
BZT9650510Z	183
BZT9650520Z	183
BZT9650525Z	183
BZT9650530Z	183
BZT9650620Z	183
BZT9650630Z	183
BZT9650640Z	183
BZT9850416Z	184
BZT9850420Z	184
BZT9850430Z	184
BZT9850510Z	184
BZT9850520Z	184
BZT9850525Z	184
BZT9850530Z	184
BZT9850540Z	184
BZT9850610Z	184
BZT9850616Z	184
BZT9850620Z	184
BZT9850625Z	184
BZT9850630Z	184
BZT9850640Z	184
BZTABRIBL8	228
BZTABRINE8	228
BZTACON04	93
BZTACON05	93
BZTACON06	93
BZTACON08	93
BZTACON10	93
BZTACON12	93
BZTALAM06	63
BZTALAM08	63
BZTALAM10	63
BZTAME06032	62
BZTAME08038	62
BZTAME08060	62
BZTAME10060	62
BZTAPLAME	102
BZTAPLANY	102
BZTB05030	165
BZTB05040	165
BZTB05050	165
BZTB06030	165
BZTB06040	165
BZTB06050	165
BZTB06060	165
BZTB06070	165
BZTB06080	165
BZTB07050	165
BZTB07060	165
BZTB07070	165
BZTB08040	165
BZTB08050	165
BZTB08060	165
BZTB08070	165
BZTB08080	165
BZTB08090	165
BZTB08100	165
BZTB10050	165
BZTB10060	165
BZTB10080	165
BZTBTS10	95
BZTCCA05030	89
BZTCCA05050	89
BZTCCA06040	89
BZTCCA06050	89

Ref. page

BZTCCA06060	89
BZTCCA06070	89
BZTCCA08060	89
BZTCCA08080	89
BZTCCA08100	89
BZTCCA08120	89
BZTN4S05	95
BZTN4S06	95
BZTN4S08	95
BZTN4S10	95
BZTN4S12	95
BZTNXA08080	87
BZTNXA08100	87
BZTNXA08120	87
BZTNXA10080	87
BZTNXA10100	87
BZTNXA10120	87
BZTNXE08080	87
BZTNXE08100	87
BZTNXE08120	87
BZTNXE10080	87
BZTNXE10100	87
BZTNXE10120	87
BZTPPO25016	159
BZTPPO25020	159
BZTPPO25025	159
BZTPPO30016	159
BZTPPO30020	159
BZTPPO30025	159
BZTPPO30030	159
BZTPPO35016	159
BZTPPO35020	159
BZTPPO35025	159
BZTPPO35030	159
BZTPPO35035	159
BZTPPO35040	159
BZTPPO35050	159
BZTPPO40016	159
BZTPPO40020	159
BZTPPO40025	159
BZTPPO40030	159
BZTPPO40035	159
BZTPPO40040	159
BZTPPO40045	159
BZTPPO40050	159
BZTPPO40060	159
BZTPPO45030	159
BZTPPO45035	159
BZTPPO45040	159
BZTPPO45045	159
BZTPPO45050	159
BZTPPO45060	159
BZTPPO45070	159
BZTPPO50030	159
BZTPPO50035	159
BZTPPO50040	159
BZTPPO50050	159
BZTPPO50060	159
BZTPPO50070	159
BZTPPO50080	159
BZTPPO50100	159
BZTPPO60040	159
BZTPPO60050	159
BZTPPO60060	159
BZTPPO60070	159
BZTPPO60080	159
BZTPPO60090	159
BZTPPO60100	159
BZTPPOT04	92
BZTPPOT05	92
BZTPPOT06	92
BZTPPOT08	92
BZTPPOTS05	95
BZTPPOTS06	95
BZTPPOTS08	95
BZTPTPADBE	188
BZTPTPADBL	188
BZTPTPADCA	188

Ref. page

BZTPTPADCE	188
BZTPTPADGR	188
BZTPTPADHA	188
BZTPTPADNE	188
BZTPTPADNO	188
BZTPTPADPI	188
BZTPTPADRO	188
BZTPTPADSA	188
BZTRA6030	63
BZTRA6050	63
BZTRA6060	63
BZTRA6080	63
BZTRA8070	63
BZTRA8090	63
BZTRA8110	63
BZTRA8130	63
BZTRA8150	63
BZTXA250050	152
BZTXA250060	152
BZTXA250070	152
BZTXBP30016	151
BZTXBP30020	151
BZTXBP30025	151
BZTXBP30030	151
BZTXBP35016	151
BZTXBP35020	151
BZTXBP35025	151
BZTXBP35030	151
BZTXBP35035	151
BZTXBP35040	151
BZTXBP35050	151
BZTXBP40025	151
BZTXBP40030	151
BZTXBP40035	151
BZTXBP40040	151
BZTXBP40045	151
BZTXBP40050	151
BZTXBP40060	151
BZTXBP45030	151
BZTXBP45035	151
BZTXBP45040	151
BZTXBP45045	151
BZTXBP45050	151
BZTXBP45060	151
BZTXBP45070	151
BZTXBP50030	151
BZTXBP50035	151
BZTXBP50040	151
BZTXBP50050	151
BZTXBP50060	151
BZTXBP50070	151
BZTXBP50080	151
BZTXBP60050	151
BZTXBP60060	151
BZTXBP60070	151
BZTXBP60080	151
BZTXZP30016	153
BZTXZP30020	153
BZTXZP30025	153
BZTXZP30030	153
BZTXZP35016	153
BZTXZP35020	153
BZTXZP35025	153
BZTXZP35030	153
BZTXZP35035	153
BZTXZP35040	153
BZTXZP35050	153
BZTXZP40025	153
BZTXZP40030	153
BZTXZP40035	153
BZTXZP40040	153
BZTXZP40045	153
BZTXZP40050	153
BZTXZP40060	153
BZTXZP45030	153
BZTXZP45035	153
BZTXZP45040	153
BZTXZP45045	153

Ref. page

BZTXZP45050	153
BZTXZP45060	153
BZTXZP45070	153
BZTXZP50030	153
BZTXZP50035	153
BZTXZP50040	153
BZTXZP50050	153
BZTXZP50060	153
BZTXZP50070	153
BZTXZP50080	153
BZTXZP60050	153
BZTXZP60060	153
BZTXZP60070	153
BZTXZP60080	153
BZZ98504	177
BZZ98505	177
BZZ98506	177
BZZ98508	177
BZZ98510	177
BZZ98512	177
CABA004	99
CABA005	99
CABA006	99
CABA008	99
CABTC47	110
CABTC60	110
CAPA004	98
CAPA005	98
CAPA006	98
CAPA008	98
CAQU008	81
CAQU010	81
CAQU012	81
CAQU016	81
CAQU020	81
CAQU024	81
CAQU030	81
CIPE1208	215
CIPE1708	215
CIPEA21708	215
CIPR1208	215
CIPR1908	215
CKBB12225	227
CKBB25080	227
CKBB25100	227
CKBB25140	227
CKBB25160	227
CKBB25200	227
CKBB36140	227
CKBB36200	227
CKBB36300	227
CKBB36370	227
CKBB48120	227
CKBB48160	227
CKBB48180	227
CKBB48200	227
CKBB48250	227
CKBB48290	227
CKBB48370	227
CKBB76200	227
CKBB76290	227
CKBB76370	227
CKBC25100AZ	227
CKBC25100MA	227
CKBC25100RO	227
CKBC25100VE	227
CKBC36140AZ	227
CKBC36140MA	227
CKBC36140RO	227
CKBC36140VE	227
CKBC36200AZ	227
CKBC36200MA	227
CKBC36200RO	227
CKBC36200VE	227
CKBC48200AZ	227
CKBC48200MA	227
CKBC48200RO	227
CKBC48200VE	227

Ref. page

CKBC48290AZ	227
CKBC48290MA	227
CKBC48290RO	227
CKBC48290VE	227
CKBN12225	227
CKBN25080	227
CKBN25100	227
CKBN25140	227
CKBN25160	227
CKBN25200	227
CKBN36140	227
CKBN36200	227
CKBN36300	227
CKBN36370	227
CKBN48120	227
CKBN48160	227
CKBN48180	227
CKBN48200	227
CKBN48250	227
CKBN48290	227
CKBN48370	227
CKBN76200	227
CKBN76290	227
CKBN76370	227
CKTACOBRI6	227
CKTACOBRI8	227
CKTACOBRI6	227
CKTACOBRI8	227
CKTACOBRI6	227
CKTACOBRI8	227
CMBRPOS33	288
CMBRPOS42	288
CMBRPOS48	288
CMBRPOS50	288
CMBRPOS60	288
CMBRTEN48	288
CMTAPON33	288
CMTAPON40	288
CMTAPON42	288
CMTAPON48	288
CMTAPON50	288
CMTAPON60	288
CMTAPOS33	289
CMTAPOS40	289
CMTAPOS42	289
CMTAPOS48	289
CMTENS04L	289
CMTENSOTO	289
CMTENSOVE	289
CMUNAAGUJ	289
COKS08060	244
COS015400	244
COS015450	244
COS015500	244
COS020400	244
COS020450	244
COS020500	244
CPAC300453	108
CPAC300703	108
CPGV012	108
CPGV030	108
CPMV020	108
CPMV045	108
CPMV090	108
CPMV150	108
CPPA023	108
CPPA075	108
CPPA150	108
D12504	175
D12505	175
D12506	175
D12508	175
D12510	175
D12512	175
D12514	175
D12516	175
D12518	175
D12520	175
D12522	175

Ref. page

D12524	175
D12527	175
D12530	175
D12533	175
D12536	175
D12704	175
D12705	175
D12706	175
D12708	175
D12710	175
D12712	175
D12714	175
D12716	175
D12718	175
D12720	175
D12722	175
D12724	175
D12727	175
D12730	175
D12736	175
D603905020	181
D603905030	181
D603905040	181
D603905050	181
D603906016	181
D603906020	181
D603906030	181
D603906040	181
D603906050	181
D603906060	181
D603906070	181
D603906080	181
D603906090	181
D603906100	181
D603908020	181
D603908025	181
D603908030	181
D603908040	181
D603908050	181
D603908060	181
D603908070	181
D603908080	181
D603908090	181
D603908100	181
D603908110	181
D603908120	181
D603910025	181
D603910030	181
D603910040	181
D603910050	181
D603910060	181
D603910070	181
D603910080	181
D603910090	181
D603910100	181
D603910110	181
D603910120	181
D603912030	181
D603912040	181
D603912050	181
D603912060	181
D603912070	181
D902104	176
D902105	176
D902106	176
D902108	176
D902110	176
D902112	176
D902114	176
D902116	176
D902118	176
D902120	176
D902122	176
D902124	176
D91204010	180
D91204012	180
D91204016	180
D91204020	180

Ref. page

D91205010	180
D91205012	180
D91205016	180
D91205020	180
D91205025	180
D91206010	180
D91206012	180
D91206016	180
D91206020	180
D91206025	180
D91206030	180
D91208016	180
D91208020	180
D91208025	180
D91208030	180
D91208040	180
D91210020	180
D91210030	180
D91210040	180
D91210050	180
D91210060	180
D91210070	180
D93306010	178
D93306012	178
D93306016	178
D93306020	178
D93306025	178
D93306030	178
D93306040	178
D93306050	178
D93306065	178
D93308016	178
D93308020	178
D93308025	178
D93308030	178
D93308035	178
D93308040	178
D93308050	178
D93308060	178
D93308070	178
D93308080	178
D93308090	178
D93308100	178
D93308110	178
D93308120	178
D93310016	178
D93310020	178
D93310025	178
D93310030	178
D93310035	178
D93310040	178
D93310050	178
D93310060	178
D93310070	178
D93310080	178
D93310090	178
D93312020	178
D93312025	178
D93312030	178
D93312035	178
D93312040	178
D93312045	178
D93312050	178
D93312060	178
D93312070	178
D93312080	178
D93312090	178
D93312100	178
D93312110	178
D93312120	178
D93314030	178
D93314040	178
D93314050	178
D93314060	178
D93314070	178
D93314080	178
D93314090	178
D93314100	178

Ref. page

D93314110	178
D93316030	178
D93316040	178
D93316045	178
D93316050	178
D93316060	178
D93316070	178
D93316080	178
D93316090	178
D93316100	178
D93316110	178
D93316120	178
D93318040	178
D93318050	178
D93318060	178
D93318070	178
D93318080	178
D93318090	178
D93318100	178
D93318110	179
D93320030	179
D93320040	179
D93320050	179
D93320060	179
D93320070	179
D93320080	179
D93320090	179
D93320100	179
D93320110	179
D93320120	179
D93404	177
D93405	177
D93406	177
D93408	177
D93410	177
D93412	177
D93414	177
D93416	177
D93418	177
D93420	177
D93422	177
D93424	177
D93427	177
D93430	177
D93433	177
D93436	177
DOMTA10	56
DOMTA20	56
DZ98504	177
DZ98505	177
DZ98506	177
DZ98508	177
DZ98510	177
DZ98512	177
DZ98514	177
DZ98516	177
DZ98518	177
DZ98520	177
DZ98522	177
DZ98524	177
DZ98527	177
DZ98530	177
EKHUEFTG	296
EKHUEFTL	296
EKHUEFTP	295
EKHUEILU	295
EKMALCFG	296
EKMALCFL	296
EKMALCFP	295
EKMALCILU	295
EKMULAC	292
EKMULAV08	293
EKMULAV10	293
EKMULCAL	293
EKMULCAN	292
EKMULCIS	294
EKMULFAE	292
EKMULFAL	297

Ref. page

EKMULFAP	297	EXHBM10	64
EKMULRAD	294	EXHBM12	64
EKMULROB	294	EXHBM16	64
EKMULTEN	292	EXHBM20	64
EKMULTOL	293	FG60BAT	120
EKMULWCB	294	FG60CAR	120
EMI00	260	FG60GAS	120
EMI45	260	FG60GUN	118
EMI90	260	FGABRA15	120
EMPTC47	110	FGABRA20	120
EMPTC60	110	FGABRA25	120
EMZ00	260	FGBASENE	120
EMZ45	260	FGCL15	119
EMZ90	260	FGCL20	119
EPN08080	96	FGCL25	119
EPN08100	96	FGCL30	119
EPN08120	96	FGCL35	119
EPN08140	96	FGCL40	119
EPNI0100	96	FGCL58	119
EPNI0120	96	FGCLH17	119
EPNI0140	96	FGCLH19	119
EPNI0165	96	FGCLH22	119
EPS6072	62	FGCLH27	119
EPS6092	62	FGCLH32	119
EPS6112	62	FGIMAN	120
EPS6132	62	FGPLET	120
EPS6152	62	FGPUL15	119
EPS6182	62	FGPUL20	119
EQA208110	81	FGPUL25	119
EQA210130	81	FGPUL30	119
EQA212160	81	FGPUL35	119
EQA216190	81	FGPUL40	119
EQA220260	81	FI63110	127
EQA224300	81	FI63115	127
EQA230330	81	FI63120	127
EQA408110	81	FI63125	127
EQA410130	81	FI63130	127
EQA412160	81	FI63150	127
EQA416190	81	FI63160	127
EQA420260	81	FP08GUN	114
EQA424300	81	FP12GUN	114
EQA430330	81	FPAM0837	116
EQAC08110	81	FPAM0851	116
EQAC10130	81	FPAP085166	116
EQAC12160	81	FPCG0816	116
EQAC16190	81	FPCG0819	116
EQAC20260	81	FPCG1612	117
EQAC24300	81	FPCG1912	117
EQAC30330	81	FPCGD1612	117
ESDA208060	247	FPCGD1912	117
ESDA210060	247	FPCL0816	116
ESDR06040	247	FPCL0819	116
ESDR06050	247	FPCL0825	116
ESDR06060	247	FPCL0827	116
ESDR06070	247	FPCL0832	116
ESDR06080	247	FPCL0838	116
ESDR08050	247	FPCL0844	116
ESDR08060	247	FPCL0851	116
ESDR08070	247	FPCL0857	116
ESDR08080	247	FPCL0864	116
ESDR08090	247	FPCL0870	116
ESDR08100	247	FPCL2212	117
ESDR08110	247	FPCL2712	117
ESDR08120	247	FPCL3212	117
ESDR08130	247	FPCL3712	117
ESDR10080	247	FPCL4212	117
ESDR10100	247	FPCL4712	117
ESDR10110	247	FPCLD2212	117
ESDR10120	247	FPCLD2712	117
ESDR10130	247	FPCLD3212	117
ESDR10140	247	FPCLD3712	117
ESDR10150	247	FPCLD4212	117
ESDR10180	247	FPCLD4712	117
ESDR10200	247	FPCCR0812	116
ESTRINV40Z	166	FPCCR0822	116
ESTRINV40N	166	FPCCR0827	116
EXHBM06	64	FPGRAM	115
EXHBM08	64	FPCCR0	115

Ref. page

EXHBM10	64
EXHBM12	64
EXHBM16	64
EXHBM20	64
FG60BAT	120
FG60CAR	120
FG60GAS	120
FG60GUN	118
FGABRA15	120
FGABRA20	120
FGABRA25	120
FGBASENE	120
FGCL15	119
FGCL20	119
FGCL25	119
FGCL30	119
FGCL35	119
FGCL40	119
FGCL58	119
FGCLH17	119
FGCLH19	119
FGCLH22	119
FGCLH27	119
FGCLH32	119
FGIMAN	120
FGPLET	120
FGPUL15	119
FGPUL20	119
FGPUL25	119
FGPUL30	119
FGPUL35	119
FGPUL40	119
FI63110	127
FI63115	127
FI63120	127
FI63125	127
FI63130	127
FI63150	127
FI63160	127
FP08GUN	114
FP12GUN	114
FPAM0837	116
FPAM0851	116
FPAP085166	116
FPCG0816	116
FPCG0819	116
FPCG1612	117
FPCG1912	117
FPCGD1612	117
FPCGD1912	117
FPCL0816	116
FPCL0819	116
FPCL0825	116
FPCL0827	116
FPCL0832	116
FPCL0838	116
FPCL0844	116
FPCL0851	116
FPCL0857	116
FPCL0864	116
FPCL0870	116
FPCL2212	117
FPCL2712	117
FPCL3212	117
FPCL3712	117
FPCL4212	117
FPCL4712	117
FPCLD2212	117
FPCLD2712	117
FPCLD3212	117
FPCLD3712	117
FPCLD4212	117
FPCLD4712	117
FPCR0812	116
FPCR0822	116
FPCR0827	116
FPCRAM	115
FPCRRO	115

Ref. page

FPC73212	117
FPP4AM	115
FPP5R0	115
FPP108163	116
FPPISCL08	115
FPPISCL12	115
FPPISCM12	115
FPPISCT12	115
FPPISPL08	115
GAFOM06Z	249
GAFOM08Z	249
GAFOM10Z	249
GAFOM12Z	249
GAFOM16Z	249
GESPM08ZE	249
GESPM10ZE	249
GPG271812	259
GPG283018	259
GPG384020	259
GPG402015	259
GPI271812	259
GPI283015	259
GPP271812	259
GPV251120	259
GPX2M412120	259
GPX2M414120	259
GPX412120	259
GPX412125	259
GPX414115	259
GPX414120	259
GPX414125	259
GPZ201010	259
GPZ250808	259
GRBL001	237
GRBL002	237
GRBL003	237
GRBL010	237
GRBL020	237
GRBL030	237
GRBL040	237
GRBL050	237
GRBL060	237
GRBL070	237
GRBL080	237
GRBL090	237
GRBL100	237
GRBL120	237
GRBL140	237
GRNATTV	237
GRNE060	237
GRNE070	237
GRNE080	237
GRNE090	237
GRNE100	237
GRNE120	237
HCM06	62
HCM08	62
HCM10	62
HE1665032	57
HE1665045	57
HE1665057	57
HE1665070	57
HE1665080	57
HE1665100	57
HE1665125	57
HE1665032	57
HE65045	57
HE65057	57
HE65070	57
HE65080	57
HE65100	57
HE65125	57
HEA4M06	65
HEA4M08	65
HEA4M10	65
HEA4M12	65
HEA4M16	65
HEA4M20	65

Ref. page

HECL0M06	65
HECL0M08	65
HECL0M10	65
HECL0M12	65
HECL0M12D	65
HECL0M16	65
HEH0M06	65
HEH0M08	65
HEH0M10	65
HEH0M12	65
HEH0M12D	65
HEH0M16	65
HEH0M20	65
HEN0M06	65
HEN0M08	65
HEN0M10	65
HEN0M12	65
HEN0M16	65
HEN0M20	65
HOCRM647	109
HOCRM660	109
HOCUM647	109
HP75072	57
HP75092	57
HP75112	57
HP75132	57
HP75152	57
HP75182	57
HPZ75072	57
HPZ75092	57
HPZ75112	57
HPZ75132	57
HPZ75152	57
HPZ75182	57
HPZ75212	57
HR75072	57
HR75092	57
HR75112	57
HR75132	57
INCO421	101
INCO432	101
INCO438	101
INCO446	101
INCO459	101
INCO537	101
INCO552	101
INCO565	101
INCO580	101
INCO637	101
INCO652	101
INCO665	101
INCO680	101
INHE837	101
INHE855	101
INHE865	101
INPINZANI	100
INPISANIN	100
INSI421	101
INSI432	101
INSI438	101
INSI446	101
INSI459	101
INSI537	101
INSI552	101
INSI565	101
INSI580	101
INSI637	101
INSI652	101
INSI665	101
INSI680	101
INSI865	101
INVA27050	167
INVA27060	167
INVA27070	167
INVA27080	167
INVN6040	167
INVN6050	167
INVN6060	167

Ref. page

INVN6070	167
INVN7030	167
INVN7040	167
INVN7050	167
INVN7060	167
INVN7070	167
INVN7080	167
INVN7090	167
INVZ6040	167
INVZ6050	167
INVZ6060	167
INVZ6070	167
INVZ7030	167
INVZ7040	167
INVZ7050	167
INVZ7060	167
INVZ7070	167
INVZ7080	167
INVZ7090	167
IPAA09	96
IPAA12	96
IPAGN09	96
IPAGN12	96
IPAGR09	96
IPAGR12	96
IPAT009	96
IPAT012	96
KITINPIN01	100
LSAB6I012	208
LSAB6I015	208
LSAB6I016	208
LSAB6I018	208
LSAB6I022	208
LSAB6I028	208
LSABD6012	207
LSABD6015	207
LSABD6018	207
LSABD6022	207
LSABD6028	207
LSABDI0012	208
LSABDI0015	208
LSABDI0018	208
LSABDI0022	208
LSABGAT022	197
LSABGAT028	197
LSABGAT035	197
LSABGAT040	197
LSABGAT048	197
LSABGAT060	197
LSABGAT075	197
LSABGAT090	197
LSABGAT110	197
LSABGS015	209
LSABGS018	209
LSABGS022	209
LSABGUG12	235
LSABGUG15	235
LSABGUG18	235
LSABGUG20	235
LSABGUG22	235
LSABGUG25	235
LSABGUG28	235
LSABGUG32	235
LSABGUG40	235
LSABGUG50	235
LSABID012	234
LSABID014	234
LSABID016	234
LSABID020	234
LSABID028	234
LSABIN012	234
LSABIN014	234
LSABIN016	234
LSABIN020	234
LSABIN028	234
LSABM6012	207
LSABM6014	207
LSABM6016	207

Ref. page

LSABM6018	207
LSABM6022	207
LSABM6028	207
LSABM6032	207
LSABM6040	207
LSABM8090	201
LSABM8110	201
LSABM8125	201
LSABM8160	201
LSABMUG15	235
LSABMUG18	235
LSABMUG22	235
LSABMUG26	235
LSABMUG32	235
LSABPI016	212
LSABPI018	212
LSABPI020	212
LSABPI022	212
LSABPI025	212
LSABPI028	212
LSABPI032	212
LSABPI040	212
LSABPRG15	233
LSABPRG20	233
LSABPRG25	233
LSABPU016	212
LSABPU018	212
LSABPU020	212
LSABPU022	212
LSABPU025	212
LSABPU028	212
LSABPU032	212
LSABPU037	212
LSABPU040	212
LSABPU050	212
LSABPU063	212
LSABRET022	195
LSABRET028	195
LSABRET035	195
LSABRET040	195
LSABRET048	195
LSABRET060	195
LSABRET075	195
LSABRET090	195
LSABRET110	195
LSABRET125	195
LSABRIT022	194
LSABRIT028	194
LSABRIT035	194
LSABRIT040	194
LSABRIT048	194
LSABRIT060	194
LSABRIT075	194
LSABRIT090	194
LSABRIT110	194
LSABTA0630	246
LSABTA0640	246
LSABTA0650	246
LSABTA0840	246
LSABTA0860	246
LSABTAB0630	246
LSABTAB0640	246
LSABTAB0650	246
LSABTD018	232
LSABTD022	232
LSABTS018	232
LSABTS022	232
LSACHA08C	39
LSACHAI0C	39
LSACHG08C	39
LSACHGI0C	39
LSACHT08C	37
LSACHT08L	37
LSACHTI0C	37
LSACHT10L	37
LSACHTI2C	37
LSACHTI2L	37
LSACHTI6C	37

Ref. page

LSACHTA208C	37
LSACHTA208L	37
LSACHTA210C	37
LSACHTA210L	37
LSACHTA212C	37
LSACHTA212L	37
LSAH06060	51
LSAH08060	51
LSAH08075	51
LSAH08090	51
LSAH10070	51
LSAH10090	51
LSAH10120	51
LSAH12090	51
LSAH12110	51
LSAH16125	51
LSASF008016	214
LSASF012022	214
LSASF016027	214
LSASF020032	214
LSASF025040	214
LSASF030045	214
LSASF035050	214
LSASF040060	214
LSASF050070	214
LSBAESM04	99
LSBAESM05	99
LSBAESM06	99
LSBAGAM04	99
LSBAGAM05	99
LSBAGAM06	99
LSCABA004	99
LSCABA005	99
LSCABA006	99
LSCAPA004	98
LSCAPA005	98
LSCAPA006	98
LSESDR06080	247
LSESDR08060	247
LSESDR08080	247
LSESDR08100	247
LSESDR08120	247
LSESDR10080	247
LSESDR10100	247
LSESDR10120	247
LSHENOM06	65
LSHENOM08	65
LSHENOM10	65
LSHP75072	57
LSHP75092	57
LSHP75112	57
LSHP75132	57
LSINCO432	101
LSINCO438	101
LSINCO446	101
LSINCO537	101
LSINCO552	101
LSINCO637	101
LSINCO652	101
LSMAE0630	251
LSMAE0825	251
LSMAE1030	251
LSMAR0420	251
LSMAR0630	251
LSMAR0830	251
LSMAR1030	251
LSMI08075	53
LSMI08090	53
LSMI10070	53
LSMI10090	53
LSMI10120	53
LSMI12110	53
LSMIA408075	52
LSMIA410090	52
LSMIA412110	52
LSMOES06070	80
LSMOES08110	80
LSMOES10115	80

Ref. page

LSMOES12110	80
LSMOTN12050	80
LSMOTN15085	80
LSMOTN20085	80
LSPAESM04	98
LSPAESM05	98
LSPAESM06	98
LSPAGAM04	98
LSPAGAM05	98
LSPAGAM06	98
LSTALAM06	63
LSTALAM08	63
LSTALAM10	63
LSTCCA05025	89
LSTCCA05030	89
LSTCCA05035	89
LSTCCA05050	89
LSTCCA06035	89
LSTCCA06040	89
LSTCCA06050	89
LSTCCA06060	89
LSTCCA06070	89
LSTCCA08060	89
LSTCCA08080	89
LSTCCC05025	90
LSTCCC05030	90
LSTCCC05035	90
LSTCCC05050	90
LSTCCC06035	90
LSTCCC06040	90
LSTCCC06050	90
LSTCCC06060	90
LSTCCC06070	90
LSTCCC08060	90
LSTCCC08080	90
LSTHAV07072	59
LSTHAV07092	59
LSTHAV07112	59
LSTHAV07132	59
LSTHEX07060	59
LSTHEX07080	59
LSTHEX10065	59
LSTHEX10075	59
LSTHEX10090	59
LSTHEX10110	59
LSTHEX12065	59
LSTHEX12075	59
LSTHEX12100	59
LSTNXA08080	87
LSTNXA08100	87
LSTNXA08120	87
LSTNXA10080	87
LSTNXA10100	87
LSTNXE08080	87
LSTNXE08100	87
LSTNXE08120	87
LSTNXE10080	87
LSTNXE10100	87
LSVRSE06030	249
MAE0620	251
MAE0630	251
MAE0825	251
MAE1030	251
MAE1235	251
MAE1650	251
MAE2060	251
MAR0420	251
MAR0620	251
MAR0630	251
MAR0825	251
MAR0830	251
MAR1030	251
MAR1235	251
MAR1650	251
MAR5322	251
MARIO830	251
MARIO1030	251
MEDUB06	94

Ref. page

MEDUB07	94
MEDUB08	94
MEDUB10	94
MI06045	53
MI06060	53
MI06080	53
MI06120	53
MI06140	53
MI06160	53
MI08050	53
MI08075	53
MI08090	53
MI08115	53
MI10070	53
MI10090	53
MI10120	53
MI10150	53
MI12075	53
MI12090	53
MI12110	53
MI12140	53
MI16090	53
MI16145	53
MI16170	53
MI20120	53
MI20170	53
MI20220	53
MIA406045	52
MIA406060	52
MIA406080	52
MIA408050	52
MIA408075	52
MIA408090	52
MIA408115	52
MIA410070	52
MIA410090	52
MIA410120	52
MIA410150	52
MIA412075	52
MIA412090	52
MIA412110	52
MIA412140	52
MIA416090	52
MIA416145	52
MIA420120	52
MIA420170	52
MIA420220	52
MLMULT101	169
MLMULT201	169
MLMULT301	169
MLPLAT101	169
MLPLAT201	169
MLPLAT301	169
MLTBOPI01	168
MLTTPPOP101	168
MLTTPPOT101	169
MLTTPPOT201	169
MLTTPPOT301	169
MOB300	70
MOB410	70
MOBOMBA	80
MOES06070	80
MOES08110	80
MOES10115	80
MOES12110	80
MOH300	76
MOH410	76
MOHW300	77
MOHW410	77
MOP300	71
MOP410	71
MOPISNEU	80
MOPISP3385	80
MOPISP3585	80
MOPISPR	80
MOPISPUR6	80
MOPISSI	80

Ref. page

MOPISTO	80
MOP3300	72
MOP3410	72
MOPSP300	73
MOPSP410	73
MOPSW300	72
MOPSW410	72
MOPSS300	72
MOPSS410	72
MOP300EP	72
MOPUR30385	79
MOPUR30585	79
MOPURE600	78
MORCANU	80
MORCAPU	80
MORCEPKIT	80
MOTM12100	80
MOTM16100	80
MOTM22100	80
MOTN12050	80
MOTN15085	80
MOTN15130	80
MOTN20085	80
MOTRO08	80
MOTRO10	80
MOTRO12	80
MOV300	74
MOV410	74
MOV3300	75
MOV5410	75
NBP3513	133
NBP3516	133
NBP3519	133
NBP3525	133
NBP4216	133
NBP4219	133
NBP4225	133
NBP4232	133
NBP4238	133
NBP4825	133
NBP4832	133
NBP4838	133
NBP4850	133
NBR3509	130
NBR3513	130
NBR3519	130
NBR4213	130
NBR4216	130
NBR4219	130
NBR4225	130
NBR4232	130
NBR4238	130
NBR4816	130
NBR4819	130
NBR4825	130
NBR4832	130
NBR4838	130
NBR4845	130
NBR4850	130
MEMO06	109
P100KOM10	144
P100VEK	144
P100VEK10	144
P100VEK13	144
P103925	141
P103925Z	141
P103930	141
P103930Z	141
P103938Z	141
P103945Z	141
P204316Z	141
P204319	141
P204319Z	141
P204322	141
P204322Z	141
P204325	141
P204325Z	141

Ref. page

P204330	141
P204330Z	141
P204338	141
P204338Z	141
P204345	141
P204345Z	141
P204355	141
P204355Z	141
P304825	141
P304838	141
P403913Z	142
P403916	142
P403916Z	142
P403919	142
P403919Z	142
P403925	142
P403925Z	142
P403932	142
P403932Z	142
P403938	142
P403938Z	142
P50M413Z	143
P50M416	142
P50M416Z	143
P50M419	142
P50M419Z	143
P50M425	142
P50M425Z	143
P50M432	142
P50M432Z	143
P50M438	142
P704855	143
P704865	143
P704880	143
P704895	143
P70TPBL	143
P70TPNG	143
P903510	143
P904017	143
PACP22520	279
PACP22525	279
PACP22530	279
PACP25040	279
PACP25050	279
PACP29050	279
PACP29060	279
PACP29070	279
PACP34030	279
PACP34040	279
PACP34050	279
PACP34060	279
PACP34070	279
PACP34080	279
PAESM04	98
PAESM05	98
PAESM06	98
PAESM08	98
PAGAM04	98
PAGAM05	98
PAGAM06	98
PAGAM08	98
PCU0005	252
PCU0006	252
PFA4M0800	252
PFA4M0810	252
PFA4M1000	252
PFZNM0800	252
PFZNM0810	252
PFZNM1000	252
PGI2718	260
PGI2830	260
PGI3840	260
PGZ2718	260
PGZ2830	260
PGZ3840	260
PL35019	107
PL35025	107
PL35035	107

Ref. page

PL35045	107
PL35055	107
PL39025	107
PL39035	107
PL39045	107
PL39055	107
PL42070	107
PL42080	107
PL48090	107
PL48100	107
PL48110	107
PL48120	107
PL48130	107
PLCAZ4213	106
PLCAZ4216	106
PLCAZ4219	106
PLCAZ4232	106
PLCAZ4241	106
PLCAZ4251	106
PLEP35025	107
PLEP35035	107
PLRA3925	106
PLRA3935	106
PLRA3945	106
PLRA3955	106
PLRA4835	106
PLTR3525	106
PLTR3535	106
PLTR3545	106
PS1655060	128
PS1655082	128
PS1655098	128
PS1655115	128
PS55060	128
PS55082	128
PS55098	128
PS55115	128
PS55130	128
PS55150	128
PS55180	128
PS55200	128
PS55230	128
PSL1655075	128
PSL1655085	128
PSL1655105	128
PSL1655130	128
PSL1655150	128
PSL55075	128
PSL55085	128
PSL55105	128
PSL55130	128
PSL55150	128
PSL55175	128
PSL55200	128
PSL55230	128
PSL55240	128
PSL55280	128
PTBR10035	274
PTBR13355	274
PTBR18040	274
PTET169845	274
PTOB05015	274
PTOB06015	274
PTOB08015	274
PTOB10015	274
PTOB12020	274
PTTT030716	274
PTTT111430	274
PTUN12038	274
PTUN16038	274
PTUN20060	274
PTUN20080	274
PTUN24060	274
PTUN24080	274
PUCA01	83
PUCU500	82
PUCUC01	186

Ref. page

PUCUC02	186
PUCUC03	186
PUCUL01	186
PUCUL02	186
PUCUL03	186
PUPF750	82
PUPHC01	186
PUPHC02	186
PUPHC03	186
PUPHL01	186
PUPHL02	186
PUPHL03	186
PUPI01	83
PUPM014	187
PUPOC01	186
PUPOC02	186
PUPOC03	186
PUPOL01	186
PUPOL02	186
PUPOL03	186
PUSC750	83
PUSP750	83
PUT0010	186
PUT0015	186
PUT0020	186
PUT0025	186
PUT0030	186
PUT0040	186
PUTP750	82
RAFEM145	241
RAFEM175	241
RAFIN100	240
RAFRE095	240
RAPES032	241
RARAY032	241
RARO100	240
RATRG095	240
RATRI095	241
RECA4008	282
RECA4010	282
RECA4012	282
RECA4016	282
RECA4810	282
RECA4812	282
RECA4814	282
RECA4816	282
RECA4818	282
REFL4012	284
REFL4014	284
REFL4016	284
REFL4018	284
REFL4020	284
REFL4025	284
REFL4814	284
REFL4816	284
REFL4818	284
REFL4824	284
REFL4830	284
REFL4835	284
REFL4840	284
REFL4845	284
REFL4850	284
REIN3206	284
REIN3208	284
REIN3212	284
REIN3215	284
REIN4008	284
REIN4010	284
REIN4012	284
REIN4016	284
REIN4810	284
REIN4812	284
REIN4816	284
REIN4818	284
REIN4820	284
RENO3206	283
RENO3208	283
RENO3208BL	282

Ref. page

RENO3208NE	282
RENO3210	283
RENO3210BL	282
RENO3210NE	282
RENO3212	283
RENO3212BL	282
RENO3212NE	282
RENO3214	283
RENO3216	283
RENO3218	283
RENO4006	283
RENO4008	283
RENO4008BL	282
RENO4008NE	282
RENO4010	283
RENO4010BL	282
RENO4010NE	282
RENO4012	283
RENO4012BL	282
RENO4012NE	282
RENO4014	283
RENO4014BL	282
RENO4014NE	282
RENO4016	283
RENO4018	283
RENO4020	283
RENO4025	283
RENO4030	283
RENO4035	283
RENO4806	283
RENO4808	283
RENO4810	283
RENO4810BL	282
RENO4810NE	282
RENO4812	283
RENO4812BL	282
RENO4812NE	282
RENO4814	283
RENO4814BL	282
RENO4814NE	282
RENO4816	283
RENO4816BL	282
RENO4816NE	282
RENO4818	283
RENO4820	283
RENO4822	283
RENO4824	283
RENO4826	283
RENO4828	283
RENO4830	283
RENO4835	283
RENO6008	283
RENO6010	283
RENO6012	283
RENO6016	283
RENO6018	283
RENO6025	283
RMEX01	285
RMMA01	285
RMPA01	285
RSZ3509	135
RSZ3513	135
RSZ3516	135
RSZ4213	135
RSZ4216	135
RSZ4219	135
RSZ4225	135
RSZ4232	135
RSZ4813	135
RSZ4816	135
RSZ4819	135
RSZ4825	135
RSZ4832	135
RSZ4838	135
SACIO6080	243
SAIL06080	242
SALH08100	242
SALH10120	242

Ref. page

SALN08100	242
SALN10120	242
SAWH06070	243
SAWL05080	243
SAWZ05080	242
SCAS33170R	269
SCAS33171Z	269
SCCD402575	270
SCCE200404	269
SCCI303030	270
SCCI404040	270
SCCI606060	270
SCED050503	268
SCED060604	268
SCED070705	268
SCED090904	268
SCED090906	268
SCED101009	268
SCEIO40402	268
SCEIO40404	268
SCEIO40406	268
SCEIO50504	268
SCEIO60604	268
SCEIO60606	268
SCEIO60608	268
SCEIO70704	268
SCEIO80808	268
SCEIO101004	268
SCEIO101010	268
SCEM081240	270
SCEM101640	270
SCER302525	270
SCER392822	270
SCGA100404	269
SCGE704025	271
SCLC833330	271
SCLD040606	269
SCLD060806	269
SCMX020214	271
SCMX030314	271
SCMX040415	271
SCMX050515	271
SCMX060618	271
SCMX070718	271
SCOB020214	270
SCOB030314	270
SCOB040415	270
SCOB050515	270
SCOB060618	270
SCOB070718	270
SCOB090920	270
SCOB101020	270
SCOB121222	270
SCOB151525	270
SCPD107530	271
SCPD128035	271
SCRE357565	271
SCRF070605	269
SCRF070705	269
SCRF090906	269
SCRF101009	269
SCRF151506	269
SCRG090505	269
SCRG090508	269
SLPC10070	61
SLPC10080	61
SLPC10100	61
SLPC12100	61
SLPC16100	61
SLPC16120	61
SLPC18120	61
SLPT10070	61
SLPT10080	61
SLPT10100	61
SLPT10110	61
SLPT12080	61
SLPT12090	61
SLPT12100	61

Ref. page

SLPT12120	61
SLPT16100	61
SLPT16120	61
SLPT16140	61
SLPT16160	61
SLPT18110	61
SLPT18120	61
SLPT18140	61
SLPT18150	61
SLPT18170	61
SLPT18200	61
SLPT24140	61
SLPT24170	61
SLPT24200	61
SLPT24220	61
SLPT28170	61
SLPT28200	61
SLPT28240	61
SLVE08100	60
SLVE08120	60
SLVEI0110	60
SLVEI0130	60
SLVEI2130	60
SLVEI2160	60
SLVEI6150	60
SLVEI6180	60
SLVE20160	60
SLVE20190	60
SLVE20220	60
SLVE24240	60
SLVT08100	60
SLVT08120	60
SLVTI0110	60
SLVTI0130	60
SLVTI2130	60
SLVTI2160	60
SLVTI6180	60
SLVT20160	60
SLVT20190	60
SLVT20220	60
SLVT24210	60
SLVT24240	60
SOTP2718	261
SOTP2830	261
SOTP3840	261
SOTP4121	261
SOTP4141	261
SOU004110	268
SOU006100	268
SOU007125	268
SOU008120	268
SOU010140	268
SOUR30140DR	268
SOUR30140IZ	268
SPGH2718	258
SPGH3840	258
SPH2718	258
SPH3840	258
SPV2718	258
SPV3840	258
SPX412115	258
SPX412130	258
SPX412145	258
SPX414115	258
SPX414130	258
SPX414145	258
SPX414160	258
SPX414175	258
SPZ271820	258
SPZ271830	258
SPZ384020	258
SPZ384025	258
SPZ384030	258
SPZ384035	258
SPZ384040	258
SPZ384050	258

Ref. page

SPZ384060	258
SUCL02	254
SUCL04	254
SUCL10	254
SUCL15	254
SUCU0602	254
SUCU0605	254
SUCU0606	254
SUCU0607	254
SUMOM08	254
SUMOM10	254
SUMOM12	254
SUMOP09	254
SUMOP11	254
SUMOP13	254
SUSTC47090	110
SUSTC47180	110
SUSTC47240	110
SUSTC47300	110
SUSTC47400	110
SUVA0602	254
SUVA0604	254
SUVA0610	254
SUVA0615	254
SUVA0802	254
SUVA0804	254
SUVA0810	254
SUVA0815	254
T0840306Z	174
T0840308Z	174
T0840316Z	174
T0840320Z	174
T0840406Z	174
T0840408Z	174
T0840410Z	174
T0840412Z	174
T0840416Z	174
T0840420Z	174
T0840425Z	174
T0840435Z	174
T0840470Z	174
T0840506Z	174
T0840510Z	174
T0840512Z	174
T0840516Z	174
T0840520Z	174
T0840525Z	174
T0840530Z	174
T0840540Z	174
T0840550Z	174
T0840560Z	174
T0840608Z	174
T0840610Z	174
T0840616Z	174
T0840620Z	174
T0840625Z	174
T0840630Z	174
T0840640Z	174
T0840650Z	174
T8129006	137
T8129009	137
T8129013	137
T8129016	137
T8129019	137
T8129022	137
T8129025	137
T8135006	137
T8135009	137
T8135013	137
T8135016	137
T8135019	137
T8135025	137
T8135032	137
T8139009	137
T8139013	137
T8139016	137

Ref. page

T8139019	137
T8139022	137
T8139025	137
T8139032	137
T8139038	137
T8139045	137
T8139050	137
T8142009	137
T8142013	137
T8142016	137
T8142019	137
T8142022	137
T8142025	137
T8142032	137
T8142038	137
T8142045	137
T8142050	137
T8142060	137
T8142070	137
T8142080	137
T8142090	137
T814213BLE	138
T814225BLE	138
T8148009	137
T8148013	137
T8148016	137
T8148019	137
T8148022	137
T8148025	137
T8148032	137
T8148038	137
T8148045	137
T8148050	137
T8148060	137
T8148070	137
T8148080	137
T8148090	137
T8148100	137
T8148110	137
T8148120	137
T8155013	137
T8155016	137
T8155019	137
T8155022	137
T8155025	137
T8155032	137
T8155038	137
T8155045	137
T8155050	137
T8155060	137
T8155070	137
T8155080	137
T8155090	137
T8155100	137
T8155110	137
T8155120	137
T8163016	137
T8163019	137
T8163022	137
T8163025	137
T8163032	137
T8163038	137
T8163045	137
T8163050	137
T8163060	137
T8163070	137
T8163080	137
T8163090	137
T8163100	137
T8163110	137
T8163120	137
T8229006	140
T8229009	140
T8229013	140
T8229016	140
T8229019	140
T8229022	140
T8229025	140

Ref. page

T8235009	140
T8235013	140
T8235016	140
T8235019	140
T8235022	140
T8235025	140
T8235032	140
T8235038	140
T8239009	140
T8239013	140
T8239016	140
T8239019	140
T8239022	140
T8239025	140
T8239032	140
T8239038	140
T8239045	140
T8239050	140
T8242013	140
T8242016	140
T8242019	140
T8242022	140
T8242025	140
T8242032	140
T8242038	140
T8242045	140
T8242050	140
T8242060	140
T8242070	140
T824219BLE	139
T8248013	140
T8248016	140
T8248019	140
T8248022	140
T8248025	140
T8248032	140
T8248038	140
T8248045	140
T8248050	140
T8248060	140
T8248070	140
T8255013	140
T8255016	140
T8255019	140
T8255022	140
T8255025	140
T8255032	140
T8255038	140
T8255045	140
T8255050	140
T8255060	140
T8255070	140
T8263025	140
T8263032	140
T8263038	140
T8263045	140
T8263050	140
T8263060	140
T8263070	140
T9630416Z	182
T9630420Z	182
T9630440Z	182
T9630450Z	182
T9630510Z	182
T9630516Z	182
T9630520Z	182
T9630525Z	182
T9630530Z	182
T9630550Z	182
T9630560Z	182
T9630616Z	182
T9630620Z	182
T9630625Z	182
T9630630Z	182
T9630640Z	182
T9650306Z	183
T9650310Z	183
T9650408Z	183

Ref. page

T9650410Z	183
T9650416Z	183
T9650420Z	183
T9650425Z	183
T9650430Z	183
T9650440Z	183
T9650450Z	183
T9650510Z	183
T9650516Z	183
T9650520Z	183
T9650525Z	183
T9650530Z	183
T9650540Z	183
T9650550Z	183
T9650560Z	183
T9650610Z	183
T9650612Z	183
T9650616Z	183
T9650620Z	183
T9650625Z	183
T9650630Z	183
T9650635Z	183
T9650640Z	183
T9650650Z	183
T9650660Z	183
T9850306Z	184
T9850308Z	184
T9850310Z	184
T9850312Z	184
T9850316Z	184
T9850320Z	184
T9850406Z	184
T9850408Z	184
T9850410Z	184
T9850412Z	184
T9850416Z	184
T9850420Z	184
T9850425Z	184
T9850430Z	184
T9850435Z	184
T9850440Z	184
T9850450Z	184
T98505016Z	184
T9850508Z	184
T9850510Z	184
T9850512Z	184
T9850516Z	184
T9850520Z	184
T9850525Z	184
T9850530Z	184
T9850535Z	184
T9850540Z	184
T9850545Z	184
T9850550Z	184
T9850608Z	184
T9850610Z	184
T9850612Z	184
T9850616Z	184
T9850620Z	184
T9850625Z	184
T9850630Z	184
T9850640Z	184
TA281353Z	139
TA2813909	139
TA2813913	139
TA2813922	139
TA2813925	139
TA2815519	139
TA2825513	139
TACOBRI16	228
TACOBRI18	228
TACOBRI6	228
TACOBRI8	228
TACOL05	93
TACOL06	93
TACOL08	93
TACOL10	93
TACOL12	93

Ref. page

TACOLA06	93
TACON04	93
TACON05	93
TACON06	93
TACON07	93
TACON08	93
TACON10	93
TACON12	93
TACON14	93
TACON16	93
TACONG05	93
TACONG06	93
TACONG08	93
TACONG10	93
TACONG12	93
TACONG14	93
TACOP05	92
TACOP06	92
TACOP07	92
TACOP08	92
TACOP09	92
TACOP10	92
TACOP11	92
TACOP12	92
TACOP14	92
TAEN4213	136
TAEN4216	136
TAEN4219	136
TAEN4225	136
TAEN4232	136
TAEZ4213	136
TAEZ4216	136
TAEZ4219	136
TAEZ4225	136
TAEZ4232	136
TAL4532	63
TALAM04	63
TALAM05	63
TALAM06	63
TALAM08	63
TALAM10	63
TALAM12	63
TAME05030	62
TAME06032	62
TAME08038	62
TAME08060	62
TAME10060	62
TAPLAME	102
TAPLANY	102
TAPLAZK	102
TB05030	165
TB05040	165
TB05050	165
TB05060	165
TB06025	165
TB06030	165
TB06035	165
TB06040	165
TB06045	165
TB06050	165
TB06060	165
TB06070	165
TB06080	165
TB06090	165
TB06100	165
TB06110	165
TB06120	165
TB07030	165
TB07040	165
TB07050	165
TB07060	165
TB07070	165
TB07080	165
TB07090	165
TB07100	165
TB07120	165
TB08030	165
TB08040	165

Ref. page

TB08045	165
TB08050	165
TB08060	165
TB08070	165
TB08080	165
TB08090	165
TB08100	165
TB08110	165
TB08120	165
TB08130	165
TB08140	165
TB08150	165
TB08160	165
TB08180	165
TB08200	165
TB10040	165
TB10050	165
TB10060	165
TB10070	165
TB10080	165
TB10090	165
TB10100	165
TB10110	165
TB10120	165
TB10130	165
TB10140	165
TB10150	165
TB10160	165
TB10180	165
TB10200	165
TB12060	165
TB12070	165
TB12080	165
TB12090	165
TB12100	165
TB12120	165
TB12130	165
TB12140	165
TB12150	165
TB12160	165
TB12180	165
TB12200	165
TB12220	165
TB12240	165
TB12260	165
TB14100	165
TBA206040	164
TBA206050	164
TBA206060	164
TBA206070	164
TBA208050	164
TBA208060	164
TBA208070	164
TBA208080	164
TBA210080	164
TBR06050	164
TBR06060	164
TBR06070	164
TBR08050	164
TBR08060	164
TBR08070	164
TBR08080	164
TBR10060	164
TBR10080	164
TC2A06060	91
TC2A08060	91
TC2A08080	91
TC2A08100	91
TC2A08120	91
TC2A10065	91
TC2A10080	91
TC2A10100	91
TC2A10115	91
TC2A10135	91
TC2A10160	91
TC6A08080	91
TC6A08100	91
TC6A08120	91

Ref. page

TC6A10100	91
TC6A10120	91
TC6A10140	91
TC6A10160	91
TC6A10200	91
TC6E08080	91
TC6E08100	91
TC6E08120	91
TC6E10100	91
TC6E10120	91
TC6E10140	91
TC6E10160	91
TC6E10200	91
TCA205030	90
TCA206040	90
TCA206060	90
TCA208060	90
TCA208080	90
TCA208100	90
TCCA05025	89
TCCA05030	89
TCCA05035	89
TCCA05050	89
TCCA06035	89
TCCA06040	89
TCCA06050	89
TCCA06060	89
TCCA06070	89
TCCA06080	89
TCCA08060	89
TCCA08100	89
TCCA08120	89
TCCA08140	89
TCCAEP5030	89
TCCAEP6040	89
TCCC05025	90
TCCC05030	90
TCCC05035	90
TCCC05050	90
TCCC06035	90
TCCC06040	90
TCCC06050	90
TCCC06060	90
TCCC06070	90
TCCC08060	90
TCCC08080	90
TCCC08100	90
TCCC08120	90
TCCC08140	90
TCLA3928	172
TCPA24213	136
TCPA24222	136
TCPA24232	136
TCPB4213	136
TCPB4222	136
TCPB4232	136
TCPN4213	136
TCPN4222	136
TCPN4232	136
TCS014075	66
TCS014100	66
TCS014130	66
TCS014160	66
TCS016140	66
TCS016160	66
TCS016200	66
TCS016240	66
TCSPO5027	89
TCSPO6032	89
TCSPO6040	89
TCSPEP05027	109
TCSPEP06032	109
TCSPEP06040	109
TECBT10100	152

Ref. page

TECBT10120	152
TECBT10140	152
TECBT10160	152
TECBT10180	152
TECBT10200	152
TECBT10220	152
TECBT10240	152
TECBT10260	152
TECBT10280	152
TECBT10300	152
TECBT60080	152
TECBT60100	152
TECBT60120	152
TECBT60140	152
TECBT60160	152
TECBT60180	152
TECBT60200	152
TECBT80080	152
TECBT80100	152
TECBT80120	152
TECBT80140	152
TECBT80160	152
TECBT80180	152
TECBT80200	152
TECBT80220	152
TECBT80240	152
TECBT80260	152
TECBT80280	152
TECBT80300	152
TEGA25	264
TEGA33	264
TEGR2530	264
TEM025	264
TEM033	264
TEPE2530	264
TEXA250050	152
TEXA250060	152
TEXA250070	152
TEXABM06	150
TEXABM08	150
TEXABM10	150
TEXBP25010	151
TEXBP25012	151
TEXBP25016	151
TEXBP25020	151
TEXBP25025	151
TEXBP30010	151
TEXBP30012	151
TEXBP30015	151
TEXBP30016	151
TEXBP30020	151
TEXBP30025	151
TEXBP30030	151
TEXBP30035	151
TEXBP30040	151
TEXBP30045	151
TEXBP35010	151
TEXBP35012	151
TEXBP35015	151
TEXBP35016	151
TEXBP35020	151
TEXBP35025	151
TEXBP35030	151
TEXBP35035	151
TEXBP35040	151
TEXBP35045	151
TEXBP35050	151
TEXBP40012	151
TEXBP40015	151
TEXBP40016	151
TEXBP40020	151
TEXBP40025	151
TEXBP40030	151
TEXBP40035	151
TEXBP40040	151
TEXBP40045	151
TEXBP40050	151
TEXBP40055	151

Ref. page

TEXBP40060	151
TEXBP40070	151
TEXBP40080	151
TEXBP45016	151
TEXBP45020	151
TEXBP45025	151
TEXBP45030	151
TEXBP45035	151
TEXBP45040	151
TEXBP45045	151
TEXBP45050	151
TEXBP45060	151
TEXBP45070	151
TEXBP45080	151
TEXBP50025	151
TEXBP50030	151
TEXBP50035	151
TEXBP50040	151
TEXBP50045	151
TEXBP50050	151
TEXBP50060	151
TEXBP50070	151
TEXBP50080	151
TEXBP50090	151
TEXBP50100	151
TEXBP50110	151
TEXBP50120	151
TEXBP60040	151
TEXBP60045	151
TEXBP60050	151
TEXBP60060	151
TEXBP60070	151
TEXBP60080	151
TEXBP60090	151
TEXBP60100	151
TEXBP60110	151
TEXBP60120	151
TEXBT10080	150
TEXBT10100	150
TEXBT10120	150
TEXBT10140	150
TEXBT10160	150
TEXBT10180	150
TEXBT10200	150
TEXBT10220	150
TEXBT10240	150
TEXBT30016	150
TEXBT30020	150
TEXBT30025	150
TEXBT30030	150
TEXBT30035	150
TEXBT30040	150
TEXBT35012	150
TEXBT35016	150
TEXBT35020	150
TEXBT35025	150
TEXBT35030	150
TEXBT35035	150
TEXBT35040	150
TEXBT35045	150
TEXBT35050	150
TEXBT40016	150
TEXBT40020	150
TEXBT40025	150
TEXBT40030	150
TEXBT40035	150
TEXBT40040	150
TEXBT40045	150
TEXBT40050	150
TEXBT40055	150
TEXBT40060	150
TEXBT40070	150
TEXBT45025	150
TEXBT45030	150
TEXBT45035	150
TEXBT45040	150
TEXBT45045	150
TEXBT45050	150

Ref. page

TEXBT45060	150
TEXBT45070	150
TEXBT45080	150
TEXBT50030	150
TEXBT50035	150
TEXBT50040	150
TEXBT50045	150
TEXBT50050	150
TEXBT50060	150
TEXBT50070	150
TEXBT50080	150
TEXBT50090	150
TEXBT50100	150
TEXBT50120	150
TEXBT60040	150
TEXBT60045	150
TEXBT60050	150
TEXBT60060	150
TEXBT60070	150
TEXBT60080	150
TEXBT60090	150
TEXBT60100	150
TEXBT60110	150
TEXBT60120	150
TEXBT60130	150
TEXBT60140	150
TEXBT60150	150
TEXBT60160	150
TEXBT60180	150
TEXBT60200	150
TEXBT60220	150
TEXBT60240	150
TEXBT60260	150
TEXBT60280	150
TEXBT60300	150
TEXBT80080	150
TEXBT80100	150
TEXBT80120	150
TEXBT80140	150
TEXBT80160	150
TEXBT80180	150
TEXBT80200	150
TEXBT80220	150
TEXBT80240	150
TEXBT80260	150
TEXBT80280	150
TEXBT80300	150
TEXBT80320	150
TEXBT80340	150
TEXBT80360	150
TEXBT80380	150
TEXBT80400	150
TEXZP25010	153
TEXZP25012	153
TEXZP25016	153
TEXZP25020	153
TEXZP25025	153
TEXZP30010	153
TEXZP30012	153
TEXZP30015	153
TEXZP30016	153
TEXZP30020	153
TEXZP30025	153
TEXZP30030	153
TEXZP30035	153
TEXZP30040	153
TEXZP30045	153
TEXZP35010	153
TEXZP35012	153
TEXZP35015	153
TEXZP35016	153
TEXZP35020	153
TEXZP35025	153
TEXZP35030	153
TEXZP35035	153
TEXZP35040	153
TEXZP35045	153
TEXZP35050	153

Ref. page

TEXZP40012	153
TEXZP40015	153
TEXZP40016	153
TEXZP40020	153
TEXZP40025	153
TEXZP40030	153
TEXZP40035	153
TEXZP40040	153
TEXZP40045	153
TEXZP40050	153
TEXZP40055	153
TEXZP40060	153
TEXZP40070	153
TEXZP40080	153
TEXZP45016	153
TEXZP45020	153
TEXZP45025	153
TEXZP45030	153
TEXZP45035	153
TEXZP45040	153
TEXZP45045	153
TEXZP45050	153
TEXZP45060	153
TEXZP45070	153
TEXZP45080	153
TEXZP50025	153
TEXZP50030	153
TEXZP50035	153
TEXZP50040	153
TEXZP50045	153
TEXZP50050	153
TEXZP50060	153
TEXZP50070	153
TEXZP50080	153
TEXZP50090	153
TEXZP50100	153
TEXZP50110	153
TEXZP50120	153
TEXZP60040	153
TEXZP60045	153
TEXZP60050	153
TEXZP60060	153
TEXZP60070	153
TEXZP60080	153
TEXZP60090	153
TEXZP60100	153
TEXZP60110	153
TEXZP60120	153
TEXZT30016	152
TEXZT30020	152
TEXZT30025	152
TEXZT30030	152
TEXZT30035	152
TEXZT30040	152
TEXZT35012	152
TEXZT35016	152
TEXZT35025	152
TEXZT35030	152
TEXZT35035	152
TEXZT35040	152
TEXZT35045	152
TEXZT35050	152
TEXZT40016	152
TEXZT40020	152
TEXZT40025	152
TEXZT40030	152
TEXZT40035	152
TEXZT40040	152
TEXZT40045	152
TEXZT40050	152
TEXZT40055	152
TEXZT40060	152
TEXZT40070	152
TEXZT45030	152
TEXZT45035	152
TEXZT45040	152
TEXZT45050	152

Ref. page

TEXZT45060	152
TEXZT45070	152
TEXZT45080	152
TEXZT50030	152
TEXZT50035	152
TEXZT50040	152
TEXZT50045	152
TEXZT50050	152
TEXZT50060	152
TEXZT50070	152
TEXZT50080	152
TEXZT50090	152
TEXZT50100	152
TEXZT60050	152
TEXZT60060	152
TEXZT60070	152
TEXZT60080	152
TEXZT60090	152
TEXZT60100	152
TEXZT60110	152
TEXZT60120	152
TEXZT60130	152
TEXZT60140	152
TEXZT60150	152
TEXZT60160	152
TEXZT60180	152
TEXZT60200	152
TEXZT60220	152
TEXZT60240	152
TEXZT60260	152
TEXZT60280	152
TEXZT60300	152
TFI4825	172
TFI4835	172
TFI4845	172
TFI4855	172
TFI4865	172
TFI4875	172
TFI4890	172
TFUXE10080	88
TFUXE10100	88
TFUXE10120	88
TG230620	261
TG230820	261
TG230830	261
TG340830	261
TG341030	261
THDAV07072	59
THDAV07092	59
THDAV07112	59
THDAV07132	59
THDAV07152	59
THDEX06030	59
THDEX06040	59
THDEX06050	59
THDEX06060	59
THDEX07035	59
THDEX07045	59
THDEX07060	59
THDEX07080	59
THDEX07100	59
THDEX07100	59
THDEX10055	59
THDEX10065	59
THDEX10075	59
THDEX10090	59
THDEX10110	59
THDEX10130	59
THDEX12065	59
THDEX12075	59
THDEX12085	59
THDEX12100	59
THDEX12120	59
THDEX12140	59
THDEX16080	59
THDEX16115	59
THDEX16135	59
THDEX16160	59
THPAN07050	58

Ref. page

THTRU07050	58
TMVR06065	248
TMVR07065	248
TMVR08065	248
TN4S05	95
TN4S06	95
TN4S06EP	94
TN4S08	95
TN4S08EP	94
TN4S10	95
TN4S10EP	94
TN4S12	95
TN4S14	95
TNUX08060	88
TNUX08080	88
TNUX08100	88
TNUX08120	88
TNUX10060	88
TNUX10080	88
TNUX10100	88
TNUX10120	88
TNUX10140	88
TNUXA08060	87
TNUXA08080	87
TNUXA08100	87
TNUXA08120	87
TNUXA10060	87
TNUXA10080	87
TNUXA10100	87
TNUXA10120	87
TNUXA10140	87
TNUXA10160	87
TNUXA10180	87
TNUXA10200	87
TNUXA10230	87
TNUXE08060	87
TNUXE08080	87
TNUXE08100	87
TNUXE08120	87
TNUXE10060	87
TNUXE10080	87
TNUXE10100	87
TNUXE10120	87
TNUXE10140	87
TNUXE10160	87
TNUXE10180	87
TNUXE10200	87
TNUXE10230	87
TNUT10080	87
TNUT10100	87
TNUT10120	87
TNUT10140	87
TNUT10160	87
TNXA408080	88
TNXA408100	88
TNXA408120	88
TNXA410080	88
TNXA410100	88
TNXA410120	88
TNXA410140	88
TNXA408080	88
TNXA408100	88
TNXA410080	88
TNXA410120	88
TPA230016	163
TPA230025	163
TPA235025	163
TPA235030	163
TPA235040	163
TPA240030	163
TPA240040	163
TPA240050	163
TPA245030	163
TPA245050	163
TPA250050	163

Ref. page

TPA250070	163
TPBLANC	57
TPBR4335	162
TPBR4340	162
TPBR4345	162
TPBR4350	162
TPBR4360	162
TPBR4370	162
TPCR042BL	188
TPCR042NE	188
TPCR048BL	188
TPCR048NE	188
TPCR055BL	188
TPCR055NE	188
TPMARRO	57
TPPO25010	158
TPPO25012	158
TPPO25016	158
TPPO25020	158
TPPO25025	158
TPPO30012	158
TPPO30016	158
TPPO30020	158
TPPO30025	158
TPPO30030	158
TPPO30040	158
TPPO35016	158
TPPO35020	158
TPPO35025	158
TPPO35030	158
TPPO35035	158
TPPO35040	158
TPPO35050	158
TPPO40016	158
TPPO40020	158
TPPO40025	158
TPPO40030	158
TPPO40035	158
TPPO40040	158
TPPO40045	158
TPPO40050	158
TPPO40060	158
TPPO40070	158
TPPO45020	158
TPPO45025	158
TPPO45030	158
TPPO45035	158
TPPO45040	158
TPPO45045	158
TPPO45050	158
TPPO45060	158
TPPO45070	158
TPPO45080	158
TPPO50020	158
TPPO50025	158
TPPO50030	158
TPPO50035	158
TPPO50040	158
TPPO50045	158
TPPO50050	158
TPPO50060	158
TPPO50070	158
TPPO50080	158
TPPO50090	158
TPPO50100	158
TPPO50120	158
TPPO60040	158
TPPO60050	158
TPPO60060	158
TPPO60070	158
TPPO60080	158
TPPO60090	158
TPPO60100	158
TPPO60110	158
TPPO60120	158
TPPO60130	158
TPPO60140	158
TPPO60150	158

Ref. page

TPPO60160	158
TPPO60180	158
TPPO60200	158
TPPO60220	158
TPPOZ25010	160
TPPOZ25012	160
TPPOZ25016	160
TPPOZ25020	160
TPPOZ25025	160
TPPOZ30012	160
TPPOZ30016	160
TPPOZ30020	160
TPPOZ30025	160
TPPOZ30030	160
TPPOZ30040	160
TPPOZ35016	160
TPPOZ35020	160
TPPOZ35025	160
TPPOZ35030	160
TPPOZ35035	160
TPPOZ35040	160
TPPOZ35050	160
TPPOZ40016	160
TPPOZ40020	160
TPPOZ40025	160
TPPOZ40030	160
TPPOZ40035	160
TPPOZ40040	160
TPPOZ40045	160
TPPOZ40050	160
TPPOZ40060	160
TPPOZ40070	160
TPPOZ45020	160
TPPOZ45025	160
TPPOZ45030	160
TPPOZ45035	160
TPPOZ45040	160
TPPOZ45045	160
TPPOZ45050	160
TPPOZ45060	160
TPPOZ45070	160
TPPOZ45080	160
TPPOZ50020	160
TPPOZ50025	160
TPPOZ50030	160
TPPOZ50035	160
TPPOZ50040	160
TPPOZ50045	160
TPPOZ50050	160
TPPOZ50055	160
TPPOZ50060	160
TPPOZ50070	160
TPPOZ50080	160
TPPOZ50090	160
TPPOZ50100	160
TPPOZ50120	160
TPPOZ60040	160
TPPOZ60050	160
TPPOZ60060	160
TPPOZ60070	160
TPPOZ60080	160
TPPOZ60090	160
TPPOZ60100	160
TPPOZ60110	160
TPT030025	161
TPT030030	161
TPT035015	161
TPT035017	161
TPT035020	161
TPT035025	161
TPT035030	161
TPT035040	161
TPT035050	161
TPT040020	161
TPT040025	161
TPT040030	161
TPT040035	161
TPT040040	161
TPT040045	161

Ref. page

TPT040050	161
TPT040060	161
TPT040070	161
TPT045030	161
TPT045035	161
TPT045040	161
TPT045045	161
TPT045050	161
TPT045060	161
TPT045070	161
TPT050030	161
TPT050035	161
TPT050040	161
TPT050045	161
TPT050050	161
TPT050060	161
TPT050070	161
TPT050080	161
TPT050090	161
TPT050100	161
TPT050120	161
TPT060060	161
TPT060070	161
TPT060080	161
TPT060090	161
TPT060100	161
TPT060110	161
TPT060120	161
TPT060130	161
TPT060140	161
TPT060150	161
TPT060160	161
TPT060180	161
TPT060200	161
TPT060220	161
TPT060240	161
TPT060300	161
TPTPADBE	188
TPTPADBL	188
TPTPADCA	188
TPTPADCE	188
TPTPADGR	188
TPTPADHA	188
TPTPADNE	188
TPTPADNO	188
TPTPADPI	188
TPTPADRO	188
TPTPADSA	188
TRI3200200	111
TRI3300300	111
TRI3400400	111
TRI3500500	111
TRI3600600	111
TRI3500700	111
TRI3500800	111
TRI3500900	111
TRI5200200	111
TRI5300300	111
TRI5400400	111
TRI5500500	111
TRI5600600	111
TRA6030	63
TRA6050	63
TRA6060	63
TRA6080	63
TRA8070	63
TRA8090	63
TRA8110	63
TRA8130	63
TRA8150	63
TRAV0411	286
TRAV0513	286
TRAV0616	286
TRAV0819	286
TRAV1021	286
TRBL200200	111
TRBL300300	111
TRBL400400	111
TRBL500500	111
TRBL600600	111
TRCA0310	286

Ref. page

TRCA0410	286
TRCA0411	286
TRCA0512	286
TRCA0515	286
TRCA0614	286
TRCA0616	286
TRCA0816	286
TRCA0818	286
TRCA1017	286
TRCA1022	286
TRCA1223	286
TRCR0410	286
TRCR0511	286
TRCR0614	286
TRCR0815	286
TRCR1019	286
TRPO30016	163
TRPO30020	163
TRPO35016	163
TRPO35020	163
TRPO35025	163
TRPO35030	163
TRPO35035	163
TRPO40016	163
TRPO40020	163
TRPO40025	163
TRPO40030	163
TRPO40035	163
TRPO40040	163
TRPO40050	163
TRPO45016	163
TRPO45020	163
TRPO45025	163
TRPO45030	163
TRPO45040	163
TRPO45045	163
TRPO50020	163
TRPO50030	163
TRPO50040	163
TRPO50050	163
TUG201006	261
TUG201008	261
TUG271808	261
TUG271810	261
TUGX08	261
TUGX10	261
TUGXMU08	261
TUGXMU10	261
TWA06060	56
TZN812909	138
TZN813513	138
TZN813516	138
TZN813519	138
TZN813525	138
TZN814216	138
TZN814219	138
TZN814225	138
TZN814232	138
TZN814238	138
TZN814816	138
TZN814819	138
TZN814822	138
TZN814825	138
TZN814838	138
TZN814850	138
TZN824219	139
TZN824225	139
VABE144819	123
VABE144825	123
VABE164819	123
VABE165522	123
VABE165525	123
VABE165532	123
VABE165538	123
VABE165550	123
VABE166325	123
VABE166332	123

Ref. page

VABE166338	123
VABE3509	122
VABE3513	122
VABE4213	122
VABE4216	122
VABE4219	122
VABE4225	122
VABE4232	122
VABE4813	122
VABE4816	122
VABE4819	122
VABE4825	122
VABE4832	122
VABE4838	122
VABE5519	122
VABE5522	122
VABE5525	122
VABE5532	122
VABE5538	122
VABE5550	122
VABE5563	122
VABE6319	122
VABE6325	122
VABE6332	122
VABE6338	122
VABE6350	122
VABE6363	122
VABP3513	133
VABP3516	133
VABP3519	133
VABP3525	133
VABP3913	133
VABP3916	133
VABP3919	133
VABP3925	133
VABP3938	133
VABP4213	133
VABP4216	133
VABP4219	133
VABP4225	133
VABP4232	133
VABP4238	133
VABP4816	133
VABP4819	133
VABP4825	133
VABP4832	133
VABP4838	133
VABP5532	133
VABR3509	131
VABR3511	131
VABR3513	131
VABR3516	131
VABR3519	131
VABR3525	131
VABR3913	131
VABR3916	131
VABR3919	131
VABR3925	131
VABR3932	131
VABR4213	131
VABR4216	131
VABR4219	131
VABR4222	131
VABR4225	131
VABR4232	131
VABR4238	131
VABR4250	131
VABR4813	131
VABR4816	131
VABR4819	131
VABR4822	131
VABR4825	131
VABR4832	131
VABR4838	131
VABR4845	131
VABR4850	131
VABR4860	131
VABR4880	131

Ref. page

VABR5532	131
VACHA08C	39
VACHA10C	39
VACHG08C	39
VACHG10C	39
VACHT08C	37
VACHT08L	37
VACHT10C	37
VACHT10L	37
VACHT12C	37
VACHT12L	37
VACHT16C	37
VACHTA208C	37
VACHTA208L	37
VACHTA210C	37
VACHTA210L	37
VACHTA212C	37
VACHTA212L	37
VAM06060	55
VAM08075	55
VAM08090	55
VAM10070	55
VAM10090	55
VAM10120	55
VAM12090	55
VAM12110	55
VARANE14	127
VARANE16	127
VARANE18	127
VARANE25	127
VBAESM04	99
VBAESM05	99
VBAESM06	99
VBAGAM04	99
VBAGAM05	99
VBAGAM06	99
VCABA004	99
VCABA005	99
VCABA006	99
VCAPA004	98
VCAPA005	98
VCAPA006	98
VD12504	175
VD12505	175
VD12506	175
VD12508	175
VD12510	175
VD12512	175
VD12704	175
VD12705	175
VD12706	175
VD12708	175
VD12710	175
VD12712	175
VD603905020	181
VD603905030	181
VD603905050	181
VD603906020	181
VD603906030	181
VD603906040	181
VD603906050	181
VD603906060	181
VD603906070	181
VD603906080	181
VD603908025	181
VD603908030	181
VD603908040	181
VD603908050	181
VD603908070	181
VD603908080	181
VD603908090	181
VD603910025	181
VD603910030	181
VD603910040	181
VD603910050	181
VD902104	176
VD902105	176

Ref. page

VD902106	176
VD902108	176
VD902110	176
VD902112	176
VD91204010	180
VD91204012	180
VD91204020	180
VD91205010	180
VD91205012	180
VD91205016	180
VD91205020	180
VD91205025	180
VD91206010	180
VD91206012	180
VD91206016	180
VD91206020	180
VD91206025	180
VD91206030	180
VD91208016	180
VD91208020	180
VD91208030	180
VD93306016	179
VD93306020	179
VD93306025	179
VD93306030	179
VD93306040	179
VD93308016	179
VD93308020	179
VD93308025	179
VD93308030	179
VD93308040	179
VD93308050	179
VD93308060	179
VD93310020	179
VD93310030	179
VD93310040	179
VD93310050	179
VD93312030	179
VD93312040	179
VD93312050	179
VD93404	177
VD93405	177
VD93406	177
VD93408	177
VD93410	177
VD93412	177
VDZ98504	177
VDZ98505	177
VDZ98506	177
VDZ98508	177
VDZ98510	177
VDZ98512	177
VHENOM06	65
VHENOM08	65
VINCO432	101
VINCO438	101
VINCO446	101
VINCO537	101
VINCO552	101
VINCO637	101
VINCO652	101
VINVN7060	167
VINVN7070	167
VINVZ7060	167
VINVZ7070	167
VMAE0630	251
VMAE0825	251
VMAE1030	251
VMAR0420	251
VMAR0630	251
VMAR0830	251
VMAR1030	251
VMI08075	53
VMI08090	53
VMI10070	53
VMI10090	53
VMI10120	53
VMI12110	53

VMIA408075	52	VT8148032	138	VTB08070	165	VTEXZP40040	153	VTPT035020	161
VMIA410090	52	VT8148038	138	VTB08080	165	VTEXZP40045	153	VTPT035025	161
VMIA412110	52	VT8148045	138	VTB08090	165	VTEXZP40050	153	VTPT035030	161
VMPPF050	273	VT8148050	138	VTB08100	165	VTEXZP40060	153	VTPT035040	161
VPAESM04	98	VT8148060	138	VTB10070	165	VTEXZP45030	153	VTPT035050	161
VPAESM05	98	VT8148070	138	VTB10080	165	VTEXZP45035	153	VTPT040017	161
VPAESM06	98	VT8148080	138	VTB10090	165	VTEXZP45040	153	VTPT040020	161
VPAGAM04	98	VT8155019	138	VTB10100	165	VTEXZP45045	153	VTPT040025	161
VPAGAM05	98	VT8155025	138	VTBTS08	95	VTEXZP45050	153	VTPT040030	161
VPAGAM06	98	VT8155032	138	VTBTS10	95	VTEXZP45060	153	VTPT040035	161
VPL35025	107	VT8155038	138	VTBTS12	95	VTEXZP45070	153	VTPT040040	161
VPL35035	107	VT8235009	140	VTCCA05025	89	VTEXZP50030	153	VTPT040045	161
VPL35045	107	VT8235013	140	VTCCA05030	89	VTEXZP50035	153	VTPT040050	161
VRECA4010	282	VT8235016	140	VTCCA05035	89	VTEXZP50040	153	VTPT040060	161
VRECA4012	282	VT8235019	140	VTCCA05050	89	VTEXZP50045	153	VTPT045030	161
VRECA4016	282	VT8235025	140	VTCCA06035	89	VTEXZP50050	153	VTPT045035	161
VRECA4810	282	VT8239016	140	VTCCA06040	89	VTEXZP50060	153	VTPT045040	161
VRECA4812	282	VT8239019	140	VTCCA06050	89	VTEXZP50070	153	VTPT045045	161
VRECA4814	282	VT8239022	140	VTCCA06060	89	VTEXZP50080	153	VTPT045050	161
VRECA4816	282	VT8239025	140	VTCCA06070	89	VTEXZP60050	153	VTPT045060	161
VRECA4818	282	VT8242016	140	VTCCA08060	89	VTEXZP60060	153	VTPT045070	161
VREFL4835	284	VT8242019	140	VTCCA08080	89	VTEXZP60070	153	VTPT050030	161
VRENO3206	283	VT8242025	140	VTEXA250050	152	VTEXZP60080	153	VTPT050035	161
VRENO3208	283	VT8242032	140	VTEXA250060	152	VTNUXA08080	87	VTPT050040	161
VRENO3210	283	VT8248019	140	VTEXA250070	152	VTNUXA08100	87	VTPT050050	161
VRENO3212	283	VT8248025	140	VTEXBP30016	151	VTNUXA10080	87	VTPT050060	161
VRENO3214	283	VT8248032	140	VTEXBP30020	151	VTNUXA10100	87	VTPT050070	161
VRENO3218	283	VT8248038	140	VTEXBP30025	151	VTNUXE08080	87	VTPT050080	161
VRENO4006	283	VT8255032	140	VTEXBP30030	151	VTNUXE08100	87	VTPT050090	161
VRENO4008	283	VT8255038	140	VTEXBP30040	151	VTNUXE10080	87	VTPT060060	161
VRENO4010	283	VT9650306Z	183	VTEXBP35016	151	VTNUXE10100	87	VTPT060070	161
VRENO4012	283	VT9650310Z	183	VTEXBP35020	151	VTTP030016	159	VTPT060080	161
VRENO4014	283	VT9650408Z	183	VTEXBP35025	151	VTTP030020	159	ZP06C40	44
VRENO4016	283	VT9650410Z	183	VTEXBP35030	151	VTTP030025	159	ZP08C15	44
VRENO4018	283	VT9650416Z	183	VTEXBP35035	151	VTTP030030	159	ZP08C45	44
VRENO4020	283	VT9650420Z	183	VTEXBP35040	151	VTTP030040	159	ZP10C50	44
VRENO4808	283	VT9650425Z	183	VTEXBP35050	151	VTTP035016	159	ZP10C80	44
VRENO4810	283	VT9650430Z	183	VTEXBP40025	151	VTTP035020	159	ZP12C15	44
VRENO4812	283	VT9650510Z	183	VTEXBP40030	151	VTTP035025	159	ZP12C65	44
VRENO4814	283	VT9650516Z	183	VTEXBP40035	151	VTTP035030	159	ZT06L10	44
VRENO4816	283	VT9650520Z	183	VTEXBP40040	151	VTTP035035	159	ZT06L30	44
VRENO4818	283	VT9650530Z	183	VTEXBP40045	151	VTTP035040	159	ZT08L15	44
VRENO4820	283	VT9650540Z	183	VTEXBP40050	151	VTTP035050	159	ZT08L35	44
VRENO4822	283	VT9650610Z	183	VTEXBP40060	151	VTTP040016	159	ZT08L45	44
VRENO4824	283	VT9650616Z	183	VTEXBP45030	151	VTTP040020	159	ZT10L10	44
VRENO4830	283	VT9650620Z	183	VTEXBP45035	151	VTTP040025	159	ZT10L30	44
VRENO4835	283	VT9650630Z	183	VTEXBP45040	151	VTTP040030	159	ZT10L50	44
VRSE06020	249	VT9850306Z	184	VTEXBP45045	151	VTTP040035	159	ZT10L80	44
VRSE06030	249	VT9850310Z	184	VTEXBP45050	151	VTTP040040	159	ZT12L15	44
VRSE08020	249	VT9850406Z	184	VTEXBP45060	151	VTTP040045	159	ZT12L45	44
VRSE08030	249	VT9850408Z	184	VTEXBP45070	151	VTTP040050	159	ZT12L65	44
VRSE10030	249	VT9850410Z	184	VTEXBP50030	151	VTTP040060	159		
VRSE12030	249	VT9850412Z	184	VTEXBP50035	151	VTTP045030	159		
VT8135009	138	VT9850416Z	184	VTEXBP50040	151	VTTP045035	159		
VT8135013	138	VT9850420Z	184	VTEXBP50050	151	VTTP045040	159		
VT8135016	138	VT9850506Z	184	VTEXBP50060	151	VTTP045045	159		
VT8135019	138	VT9850510Z	184	VTEXBP50070	151	VTTP045050	159		
VT8135025	138	VT9850512Z	184	VTEXBP50080	151	VTTP045060	159		
VT8139009	138	VT9850516Z	184	VTEXBP50090	151	VTTP045070	159		
VT8139013	138	VT9850520Z	184	VTEXBP60050	151	VTTP050030	159		
VT8139016	138	VT9850610Z	184	VTEXBP60060	151	VTTP050035	159		
VT8139019	138	VT9850612Z	184	VTEXBP60070	151	VTTP050040	159		
VT8139022	138	VT9850616Z	184	VTEXBP60080	151	VTTP050050	159		
VT8139025	138	VT9850620Z	184	VTEXZP30016	153	VTTP050060	159		
VT8142009	138	VTALAM06	63	VTEXZP30020	153	VTTP050070	159		
VT8142013	138	VTALAM08	63	VTEXZP30025	153	VTTP050080	159		
VT8142016	138	VTALAM10	63	VTEXZP30030	153	VTTP050090	159		
VT8142019	138	VTB05040	165	VTEXZP30040	153	VTTP060040	159		
VT8142022	138	VTB05050	165	VTEXZP35016	153	VTTP060050	159		
VT8142025	138	VTB06040	165	VTEXZP35020	153	VTTP060060	159		
VT8142032	138	VTB06050	165	VTEXZP35025	153	VTTP060070	159		
VT8142038	138	VTB06060	165	VTEXZP35030	153	VTTP060080	159		
VT8142050	138	VTB07050	165	VTEXZP35035	153	VTTPOTS05	95		
VT8148009	138	VTB07060	165	VTEXZP35040	153	VTTPOTS06	95		
VT8148013	138	VTB07070	165	VTEXZP35050	153	VTTPOTS08	95		
VT8148016	138	VTB07080	165	VTEXZP40025	153	VTPT030025	161		
VT8148019	138	VTB08050	165	VTEXZP40030	153	VTPT030030	161		
VT8148025	138	VTB08060	165	VTEXZP40035	153	VTPT035015	161		