

Data sheet alphamesh 12.0 x 1.1 stainless steel



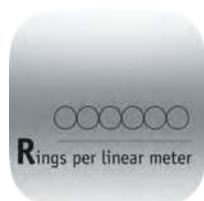
Diameter

Diameter: 12.00 mm
Wire gauge: 1.10 mm



Weight

Weight: c. 3.06 kg/m²



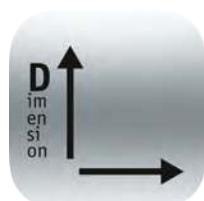
Rings per linear meter

Rings per linear meter: 83.3



Open **A**rea

Open area: c. 63 %



Dimensions

Max. standard dimensions
Width: up to 9.60 m
Height: max. 15.00 m
Further dimensions on request



Material

Material: stainless steel 1.4404
Further materials on request



Rings per m²

Rings per m²: c. 12000



Tensile
Strength

Tensile strength [kN/m]: 53



Surface

Surface:
polished/ matt - waxed



Solar and photometric values alphamesh 12.0 x 1.1 in accordance to EN 410



	$\tau_{nh.solar}$	$\tau_{nh.VIS}$	$\tau_{nh.UV}$
polished	0.65	0.65	0.65
matt	0.64	0.64	0.63



	$\rho_{nh.solar}$	$\rho_{nh.VIS}$	$\rho_{nh.UV}$
polished	0.11	0.10	0.07
matt	0.06	0.06	0.04



	α_{solar}	α_{VIS}	α_{UV}
polished	0.24	0.26	0.28
matt	0.30	0.31	0.32

External solar protection -
Reduction ratios according to EN 13363-1



	VG B		VG C		VG D	
	g	F_c^3	g	F_c^3	g	F_c^3
polished	0.56	0.75	0.50	0.76	0.52	0.73
matt	0.56	0.74	0.49	0.75	0.52	0.72

Glazing B (VG B) : double-glazed; $U_g = 3.0W/(m^2K)$ and $g = 0.75$;
 Glazing C (VG C) : triple-glazed ; $U_g = 2.0W/(m^2K)$ and $g = 0.65$;
 Glazing D (VG D): double-glazed with heat insulation coating $U_g = 1.6W/(m^2K)$ and $g = 0.72$
 g = Energy transmission / F_c^3 = Reduction ratio

Internal solar protection -
Reduction ratios according to EN 13363-1



	VG B		VG C		VG D	
	g	F_c^3	g	F_c^3	g	F_c^3
polished	0.66	0.89	0.59	0.91	0.65	0.90
matt	0.68	0.91	0.60	0.93	0.67	0.93

Glazing B (VG B) : double-glazed; $U_g = 3.0W/(m^2K)$ and $g = 0.75$;
 Glazing C (VG C) : triple-glazed ; $U_g = 2.0W/(m^2K)$ and $g = 0.65$;
 Glazing D (VG D): double-glazed with heat insulation coating $U_g = 1.6W/(m^2K)$ and $g = 0.72$
 g = Energy transmission / F_c^3 = Reduction ratio