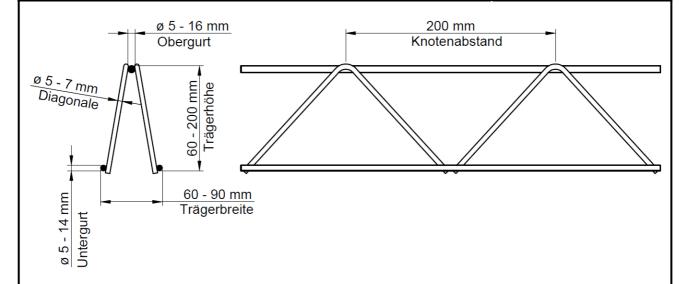
FILIGRAN® D-Lattice Girder

Data Sheet



Standard fitting:

Normal ductile (A) reinforcing steel B500A Yield strength $R_e^{-1} \ge 500 \text{ MPa (N/mm}^2)$ Ratio of tensile strength / yield stress R_m / R_e $^{1)} \ge 1.05$ Elongation at tensile strength $A_{gt} \ge 2.5\%$ 1) or 0.2% proof strength respectively

Upper chord²⁾ and diagonals smooth surface (B500A+G), Lower chords ribbed (B500A) ²⁾ upper chord ≥ 12 mm ribbed

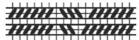
Unusual quality:

Other steel qualities, surfaces and distances between welding points are possible on request.

Production mark:

(on the ribbed bars)





Pattern of description:

D 18 - 06 6 10 Girder height: 180 mm Diameter of lower chord: 6 mm Diameter of diagonals: 6 mm Diameter of upper chord: 10 mm

Delivery length:

Multiple distance between welding points

Recommended girder length for transportation in 40 feet containers = 12 m

Country	Technical approval / Standard	Certificate	
Germany	German Institute for Building Technology	Civil Engineering Materials Testing Institute MPA	
	DIBt	Braunschweig	
	Z-15.1-90 (semi-precast slab)	Zert-1/429-c/15 & Zert-1/429-d/15	
	Z-15.1-148 (beam and block floor)	Zert-1/429-f/14 & Zert-1/429-g/14	MPA BS
	Z-15.2-40 (semi-precast wall)	Zert-1/429-p/15 & Zert-1/429-k/15	BS
Norway	German technical approval	Kontrollradet 961226	K
Sweden		SBS Nordcert A3/027	SBS
Poland	ITB AT-15-2730/2015 (Polish technical approval)	CEBET No. 31/ZW/16	CEBET

Some certificates cover special lattice girder dimensions, deviant material properties and are valid only for particular production plants.