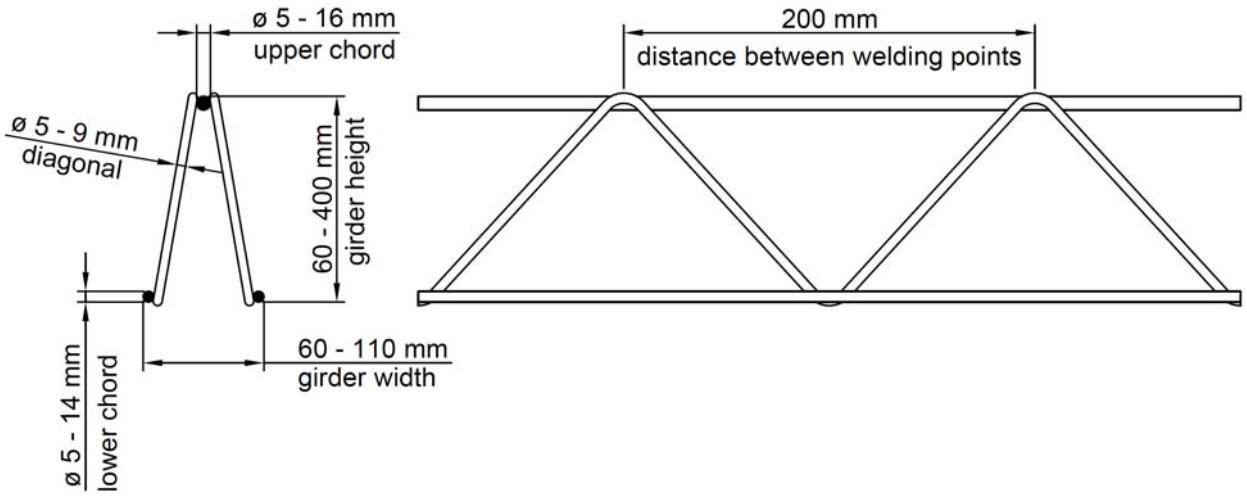
FILIGRAN E-Lattice Girder | Data Sheet

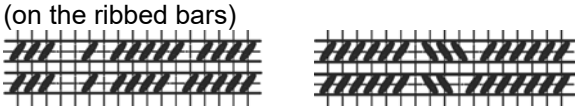


Standard fitting:
Normal ductile (A) reinforcing steel B500A
Yield strength R_e [1)] ≥ 500 MPa (N/mm²)
Ratio of tensile strength / yield stress R_m / R_e [1)] ≥ 1.05
Elongation at tensile strength A_{gt} ≥ 2.5%
[1)] or 0.2% proof strength respectively

Upper chord[2)] 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:
E 18 - 06 7 12
Girder height: 180 mm
Diameter of lower chord: 6 mm
Diameter of diagonals: 7 mm
Diameter of upper chord: 12 mm

Delivery length:
Length on stock: 14 m
Cut 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 DIBt* *Z-15.1-147 (semi-precast slab)* *Z-15.1-148 (beam and block floor)* *Z-15.2-40 (semi-precast wall)*	*Civil Engineering Materials Testing Institute MPA Braunschweig*
Netherlands	Kiwa guideline BRL 0502	KOMO K24262/02
Norway	*German technical approval*	*Kontrollradet 961226*
Sweden		*Nordcert*
Tschech Republic		
Slowakia		
Poland	*ITB AT-15-2730/2015* *(Polish technical approval)*	*31/ZW/16 ICiMB*

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

5/2018