



Standard fitting:

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

Upper chord²⁾ and diagonals smooth surface (B500A+G),
 Lower chords ribbed (B500A)
²⁾ upper chord $\geq 12 \text{ mm}$ 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 DIBt Z-15.1-90 (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 Zert-1/429-c/15 & Zert-1/429-d/15 Zert-1/429-f/14 & Zert-1/429-g/14 Zert-1/429-p/15 & Zert-1/429-k/15
Norway	German technical approval	Kontrollradet 961226
Sweden		SBS Nordcert A3/027
Poland	ITB AT-15-2730/2015 (Polish technical approval)	CEBET No. 31/ZW/16

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