



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

Upper²⁾ chord and diagonals smooth surface (B500A+G),
 Upper and lower chords ribbed (B500A)
²⁾ upper chord 16mm 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:

EV 18 - 06 9 16
 Girder height: 180 mm
 Diameter of lower chord: 6 mm
 Diameter of diagonals: 9 mm
 Diameter of upper chord: 16 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)	Civil Engineering Materials Testing Institute MPA Braunschweig Zert-1/429-h/09 & Zert-1/429-i/09 Zert-1/429-f/09 & Zert-1/429-g/09
Netherlands	Kiwa guideline BRL 0502	KOMO K24262/01
Norway	German technical approval	Kontrollradet 961226
Sweden		SBS Nordcert
Tschech Republic		TZUS Prague, 204/C5/2010/010-025257
Slowakia	TO – 05/0298 (Slovakian technical approval)	TSUS Bratislava, SK04-ZSV-0434
Poland	ITB AT-15-2730/99 (Polish technical approval)	CEBET No. 23/07

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

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