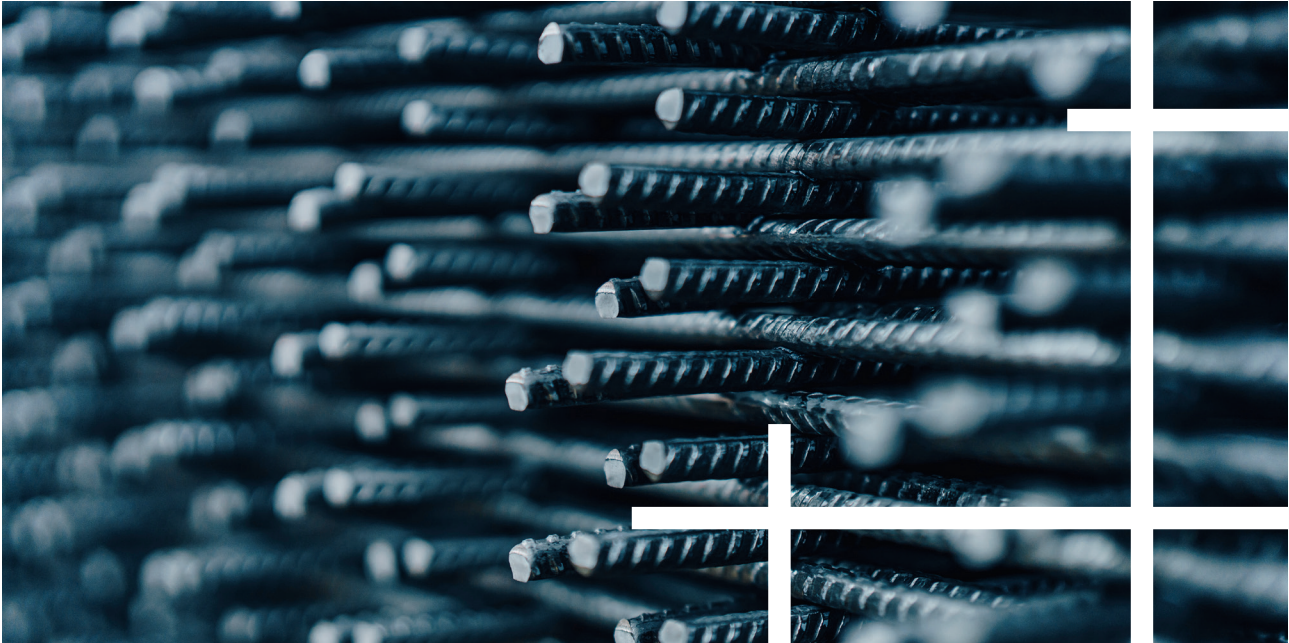


# HEAVY-SPECIAL MESH



Heavy special mesh is the logical and consistent development of reinforcement mesh that is used as reinforcement in flat load-bearing structures. It is not a reinforcement steel mesh as described in DIN 488, but rather is welded reinforcement steel as per DIN EN ISO 17660\*.

Heavy special mesh is produced either by machine, or by hand. If the production options allow it, the user can design these reinforcement elements according to the static and constructive considerations.

Machine production: from  $\varnothing$  6 mm to  $\varnothing$  16 mm  
 Manual production: from  $\varnothing$  6 mm to  $\varnothing$  40 mm

**\*Explanation:** in DIN 488, reinforcement steel meshes are described as industrially prefabricated welded reinforcement elements using resistance spot welding. Their maximum bar diameter does not exceed 12.0 mm. In general, the application rules for reinforcement steel meshes cannot be applied to industrially prefabricated and welded reinforcement elements with wire diameters  $>$  12.0 mm.

## PRODUCT SPECIFICATION

|                     |                         |   |                |
|---------------------|-------------------------|---|----------------|
| <b>Grade</b>        | » B500B                 | <b>Diameter</b>   | » 6 to 40 mm   |
| <b>Ductility</b>    | » High                  | <b>Yield point <math>R_e</math></b>                                 | » min. 500 MPa |
| <b>Surface</b>      | » Ribbed                | <b>Ratio tensile strength / yield strength <math>R_m/R_e</math></b> | » min. 1,08    |
| <b>Fabricated</b>   | » According to EN 17660 | <b>Elongation at max. load <math>A_{gt}</math></b>                  | » min. 5 %     |
| <b>Availability</b> | » On request            |   |                |