

Qualifier comparison of the major steel properties

The Table is intended to facilitate the steel choice. It does not, however, take into account the various design conditions required by the different types of application. Our technical consulting staff will be glad to assist you in any questions concerning the use and processing of steels.

Euronorm grade	High-temperature strength	High-temperature ductility	High-temperature total elongation	Impact strength	Applications	
					Can be used as covered steel	Can be used as bare steel
W 100						
W 105						
W 300						
W 302						
W 303						
W 320						
W 321						
W 326						
W 329						
W 500						
W 702, W 705 ¹⁾						
W 720 ¹⁾						

¹⁾ Manufacturing under special licence, maximum yield strength approx. 400 N/mm². In this form not comparable with the steel grades listed. It may also be used as a design material for welded joints. For further information see the technical data sheets for the processing of the steel grades.
²⁾ Substrate: 500 mm x 500 mm plates, in this form not comparable with the steel grades listed.

Applications

Euronorm grade	Can be used as covered steel	Can be used as bare steel	Applications	
			Can be used as covered steel	Can be used as bare steel
W 100				
W 105				
W 300				
W 302				
W 303				
W 320				
W 321				
W 326				
W 329				
W 500				
W 702				
W 705				

Can be used as covered steel: Primarily for the processing of large tools, dies and die inserts, but also for the production of rollers, shafts for the manufacture of rollers, shafts, gears, and large die casting moulds (forming dies, die inserts, hot-chamber die-casting dies, etc.).

Can be used as bare steel: Primarily for the processing of large tools, dies and die inserts, but also for the production of rollers, shafts for the manufacture of rollers, shafts, gears, and large die casting moulds (forming dies, die inserts, hot-chamber die-casting dies, etc.).

Can be used as covered steel: Primarily for the processing of large tools, dies and die inserts, but also for the production of rollers, shafts for the manufacture of rollers, shafts, gears, and large die casting moulds (forming dies, die inserts, hot-chamber die-casting dies, etc.).

Can be used as bare steel: Primarily for the processing of large tools, dies and die inserts, but also for the production of rollers, shafts for the manufacture of rollers, shafts, gears, and large die casting moulds (forming dies, die inserts, hot-chamber die-casting dies, etc.).