

EN 10025, hot rolled structural steels overview

Designation according EN 10025 Part...	Part 2 Hot rolled	Part 3 Normalized fine grain	Part 4 Thermo mechanical rolled fine grain	Part 5 Atmospheric corrosion resistance	Part 6 High Yield strength quenched and tempered
S235	JR, J0, J2			J0W, J2W	
S275	JR, J0, J2	N, NL	M, ML		
S355	JR, J0, J2, K2	N, NL	M, ML	J0WP, J2WP J0W, J2W, K2W	
S420		N, NL	M, ML		
S450	J0				
S460		N, NL	M, ML		Q, QL, QL1
S500					Q, QL, QL1
S550					Q, QL, QL1
S620					Q, QL, QL1
S690					Q, QL, QL1
S890					Q, QL, QL1
S960					Q, QL,
Note that:	JR = 27 J at +20°C J0 = 27 J at 0°C J2 = 27 J at -20°C K2 = 40 J at -20°C	N = 40 J at -20°C NL = 27 J at -50°C	M = 40 J at -20°C ML = 27 J at -50°C	W = atmospheric corrosion resistance P = greater P-content	Q = at -20°C QL = at -40°C QL1 = at -60°C For all 30 J long. and 27 trans.

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