



STEEL GRADES

EN 10025 - 6 Fine Grained
Quenched and Tempered
hot-rolled structural steel

Mechanical Properties as per EN 10025-6:2004

Steel Name	Min yield strength ReH	Min yield strength ReH	Min Tensile strength Rm	Min. Elongation A	Min. Impact Energy KV
	≤ 50 mm	> 50 ≤ 100 mm			
	N/mm ²	N/mm ²	N/mm ²	%	joules
460 Q	460	440	550 - 720	17	30 j @ -20°C
500 Q	500	480	590 - 770	17	30 j @ -20°C
550 Q	550	530	640 - 820	16	30 j @ -20°C
620 Q	620	580	700 - 890	15	30 j @ -20°C
690 Q	690	650	770 - 940	14	30 j @ -20°C
890 Q	890	830	940 - 1100	11	30 j @ -20°C
960 Q	960		980 - 1150	10	