

Grade S355JR



Malthouse Engineering Co. Ltd

Grade	Size range (MM)	NOTES	Carbon Content	Strength at t=16mm (MPa)	Longitudinal Charpy V-notch	Mechanical Properties	Chemical Composition												
							Energy (J)	Plate Thickness (mm)	Minimum yield strength	Tensile Strength Rm (min/max) N/mm ²	Yield strength Re	Elongation A	Carbon Max	Manganese	Silicon	Phosphorus	Sulphur	Vanadium	Niobium
				Min Yield	Tensile (Rm)	Temp	T=16mm		Reh MPa		(min)	(Min)							
				(Reh)							N/mm ²								
BS EN 10025 - S355JR (50B/C)	6-380	High Yield Steel	0.24% max up to ≤16mm	355	470/630	20	27	≤16	355	470/630									
								>16-40	345										
								>40-63	335										
								>63-100	325										

Source: British Standards Institute.

For more information visit www.MalthouseEngineering.com or for a quote on Steel Profiling, Lumsden Grinding or Fabrication call 0121 557 8455