



CUTLER & WOOLF (STEEL) LTD

Steel Stockholders, Shearers & Decoilers

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Cold Rolled DC01 (Previously CR4)			
BS EN 10130:2006 Cold Rolled low carbon steel flat products			
Maximum chemical composition for flat and long products of Steel grades % by mass			
Carbon (C)	Manganese (Mn)	Phosphorus (P)	Sulphur (S)
0.12	0.6	0.045	0.45
Yield Strength (Re) Min	Tensile Strength (Rm)	Elongation Min	
140 MPa	270-410 MPa	28%	

Zintec / Electro-Zinc Coated (DC01+ZE2.5/2.5-AC)			
BS EN 10152:2017 DC01 + ZE			
Maximum chemical composition for flat and long products of Steel grades % by mass			
Carbon (C)	Manganese (Mn)	Phosphorus (P)	Sulphur (S)
0.12	0.6	0.045	0.45
Yield Strength (Re) Max	Tensile Strength (Rm)	Elongation Min	
140 MPa	270-410 MPa	28%	

Galvanised					
BS EN 10346:2015 DX51D-Z275					
Maximum chemical composition for flat and long products of Steel grades % by mass					
Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)	Sulphur (S)	Titanium (Ti)
0.12	0.5	0.6	0.1	0.045	0.3
Yield Strength (Re)	Tensile Strength (Rm)		Elongation Min		
Unspecified	250-500 MPa		22%		

S275 JR							
BS EN 10111:2008 (DD11) Hot rolled products of structural steel							
Maximum chemical composition for flat and long products of Steel grades % by mass							
Carbon (C)			Manganese (Mn)	Phosphorus (P)	Sulphur (S)	Nitrogen (N)	Copper (Cu)
≤16	>16 ≤40	>40					
0.21	0.21	0.22	1.5	0.035	0.035	0.012	0.55
Upper yield strength (ReH)				Tensile strength (Rm)			
Nominal Thickness (mm)				Nominal Thickness (mm)			
≤16		>16 ≤40		≤3		>3 ≤100	
275 MPa		265 MPa		430-580 MPa		410-560 MPa	