



**FLAT BARS | GRADE Z27523**

Flat bars are long, rectangular-shaped metal bars, which are flat and rectangular in form. This material is easy to cut, weld, machine and form.

**Product Application.**

Flat bars are used in a wide range of structural applications, such as supports, braces, straps and plates.

**Mild steel (commercial grade)**

Mass per Metre

Dimensions	Thickness											
Width	3mm	4.5mm	5mm	6mm	8mm	10mm	12mm	16mm	20mm	25mm	30mm	40mm
20	0.471		0.785	0.942	1.256	1.57						
25	0.589	0.883	0.981	1.178	1.57	1.963	2.355					
30	0.707	1.06	1.178	1.413	1.884	2.355	2.826					
40	0.942	1.413	1.57	1.884	2.512	3.14	3.768	5.024	6.28	7.85		
45			1.766*	2.120*			4.239*					
47.6			1.869									
50			1.963	2.355	3.14	3.925	4.71	6.28	7.85	9.813		
60				2.826	3.768	4.71	5.652	7.536	9.420*	11.775*		
65				3.062	4.082	5.103	6.123	8.164*	10.205*	12.756*		
70				3.297	4.396	5.495	6.594	8.792	10.990*	13.738*		
80				3.768	5.024	6.28	7.536	10.048	12.56	15.7	18.840*	25.120*
90				4.239	5.652	7.065	8.478	11.304*	14.130*	17.663*		

**SANS 50025 / EN 10025 Grade S355JR**

Mass per Metre

Dimensions	Thickness								
Width	6mm	8mm	10mm	12mm	16mm	20mm	25mm	30mm	40mm
100	4.71	6.28	7.85	9.42	12.56	15.7	19.625	23.550*	31.400*
110	5.18	6.908	8.635	10.362					
130		8.164	10.205	12.246	16.328	20.41	25.513	31.615	
150		9.42	11.775	14.13	18.84	23.55	29.438	35.325*	47.100*
180			14.13	16.956	22.608	28.26	35.325	42.390*	56.520*
200			15.7	18.84	25.12	31.4	39.25	47.100*	62.800*
250					31.4	38.25	49.06	58.880*	78.500*