MACSTEEL®

Data Sheet

EQUAL ANGLES

Steel angles are typically made from roll-formed, mild steel and are formed by bending a piece of steel into an angle so that it forms an 'L'-shape, with a 90°, perpendicular angle. The legs of an equal angle's 'L' are equal in size. Equal angles are known as angle irons, or L-brackets.

Product application

Angles are typically used as reinforcement, especially on surface edges, to help surfaces hold their shape, which helps curb damage or weather erosion to structures. Angles also offer support where structures would otherwise not be strong enough able to handle the weight placed on them.

Equal angles - mild steel (commercial quality)

Dimensions	2mm	2.5mm	3mm	4mm	5mm	6mm	8mm
25 x 25	0.777	0.954	1.114		1.773		
30 x 30	0.953	1.171	1.363		2.180		
40 x 40	1.285	1.582	1.874	2.417	2.974	3.516	
45 x 45			2.131	2.742	3.378	3.998	
50 x 50			2.367	3.056	3.770	4.469	5.819

Equal angles - SANS 50025/EN 10025 Grade S355JR

Dimensions	4mm	5mm	6mm	8mm	10mm	12mm	15mm	16mm	18mm	20mm	24mm
60 x 60	3.696	4.568	5.423	7.088	8.689						
70 x 70			6.380	8.358	10.273						
80 x 80			7.338	9.630	11.859	14.026					
90 x 90			8.297	10.904	13.447	15.928					
100 x 100				12.179	15.036	17.831	21.905*				
120 x 120				14.712	18.197	21.620	26.636*				
150 x 150					22.981	27.345	33.774		40.062		
200 x 200								48.500	54.200	59.900	71.100

* Please confirm availability with your local Macsteel Trading branch as some items may not be readily available

Please contact our Structural Steel Division for sizes not listed above.