MACSTEEL®

Data Sheet

PLATE | COMMERCIAL QUALITY AND S355JR

Commercial quality and S355JR plate is a generally flat plate material that has a thickness of 4.5mm or thicker. Plates in the “as-rolled” (S355JA + AR) condition has gone through a rolling process and then it is cooled in static air.

Product application

This material is typically used for cutting and profiling in the engineering industry. The S355 grade’s intended use is for structural purposes. Plates can be bolted, riveted and welded in a full range of structural and fabricated items. These items include bridges, box girders, cranes and general structural projects.

Commercial quality (S235)

Mass per sheet (kg)

Dimensions	4.5mm	5mm	6mm	8mm	10mm	12mm	14mm	16mm	18mm	20mm	22mm	25mm	28mm
2000 x 1000	70.650*	78.500*	94.200*	125.600*	157.000*	188.400*	219.800*	251.200*	282.600*	314.000*	345.400*	392.500*	
2500 x 1200	105.975	117.750	141.300	188.400	235.500	282.600	329.700*	376.800	423.900*	471.000	518.100*	588.750	659.400*
3000 x 1500	158.963	176.625	211.950	282.600	353.250	423.900	494.550*	565.200	635.850*	706.500	777.150*	883.125	989.100*
4000 x 1800		282.600	339.120	452.160	565.200	678.240							
4000 x 2000		314.000	376.800	502.400	628.000	753.600	879.200*	1004.800	1130.400*	1256.000	1381.600*	1570.000	1758.400*
8000 x 2000		628.000	753.600	1004.800	1256.000	1507.200		2009.600	2260.800*	2515.000	2763.200*	3140.000	
10000 x 2400		942.000	1130.400	1507.200	1884.000	2260.800	2637.600*	3014.400	3391.200*	3768.000	4144.800*	4710.000	

Grade S355JR + AR

Mass per sheet (kg)

Dimensions	5mm	6mm	8mm	10mm	12mm	14mm	16mm	18mm	20mm	22mm
2500 x 1200	117.750	141.300	188.400	235.500	282.600		376.800		471.000	
3000 x 1500	176.625	211.950	282.600	353.250	423.900		565.200		706.500	777.150*
4000 x 1825	286.525	343.830	458.440	573.050	687.660					
4000 x 2000	314.000	376.800	502.400	628.000	753.600		1004.800		1256.000	1381.600*
8000 x 2000	628.000	753.600	1004.800	1256.000	1507.200	1758.400*	2009.600	2260.800*	2512.000	2763.200*
10000 x 2400	942.000	1130.400	1507.200	1884.000	2260.800	2637.600*	3014.400	3391.200*	3768.000	4144.800*
13000 x 2400	1224.600	1469.520	1959.360	2449.200	2939.040	3428.880*	3918.720			
12000 x 3000		1695.600	2260.800	2826.000	3391.200		4521.600	5086.800*	5652.000	6217.200*

Grade S355JR + AR

Mass per sheet (kg)

Dimensions	32mm	35mm	38mm	40mm	45mm	50mm	55mm	60mm
2500 x 1200	753.6	824.250*	894.900*	942	1059.750*	1177.5		
3000 x 1500	1130.4	1236.38	1342.35	1413				
4000 x 2000	2009.600*	2198.000*	2386.400*	2512	2826.000*	3140	3454.000*	3768.000*
6000 x 2400				4521.6		5652		
10000 x 2400	6028.8	6594		7536				

Grade S355JR + AR

Mass per sheet (kg)

Dimensions	65mm	70mm	75mm	80mm	100mm	130mm
4000 x 2000	4082	4396	4710	5024	6280	8164

* Please confirm availability with our Structural Steel Division as some items may not be readily available.

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