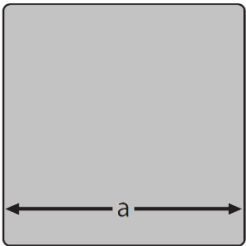


SQUARE BARS

Material Specification: EN 10025 S275JR
BS4360 Gr43A
JIS G3101 SS400



(Metric units)

Standard Sectional Dimension	Unit Weight	Sectional Area	Second Moment Of Inertia	Radius Of Gyration	Elastic Modulus	Plastic Modulus
a	M	A				
mm	Kg/m	mm ²	mm ⁴	mm	mm ³	mm ³
9	0.64	81.0	547	2.60	121	182
10	0.79	100	833	2.89	167	250
12	1.13	144	1728	3.46	288	432
13	1.33	169	2380	3.75	366	549
16	2.01	256	5461	4.62	683	1024
18	2.54	324	8748	5.20	972	1458
19	2.83	361	10860	5.48	1143	1715
20	3.14	400	--	--	--	--
22	3.80	484	19520	6.35	1775	2662
25	4.91	625	32550	7.22	2604	3906
28	6.15	784	51220	8.08	3659	5488
30	7.07	900	67500	8.66	4500	6750
32	8.04	1024	87380	9.24	5461	8192
36	10.17	1296	140000	10.4	7776	11660
38	11.34	1444	173800	11.0	9145	13720
40	12.56	1600	213300	11.5	10670	16000
44	15.20	1936	312300	12.7	14200	21300
45	15.90	2025	341700	13.0	15190	22780
50	19.63	2500	520800	14.4	20830	31250
55	23.75	3025	762600	15.9	27730	41590
60	28.26	3600	1080000	17.3	36000	54000
65	33.17	4225	1488000	18.8	45770	68660
75	44.16	5625	2637000	21.7	70310	105500
80	50.24	6400	3413000	23.1	85330	128000
85	56.72	7225	4350000	24.5	102400	153500
90	63.59	8100	5468000	26.0	121500	182300
95	70.85	9025	6788000	27.4	142900	214300
100	78.50	10000	8333000	28.9	166700	250000