



AVAILABILITY

Merchant Bar

Rounds, Squares and Flats

Availability

Merchant bar rounds, squares and flats are available in a variety of steel grades and sizes as detailed as follows.

Due to process limitations not all grades are available in all sizes. For new applications we recommend you confirm product availability with BHP Steel Direct

(1800 800 789) at an early stage of design. Other specifications and sizes may also be available on enquiry.

Merchant bar products are available in the following standards:

- BHP-300PLUS and AS/NZS 3679.1
- Structural Steel-Hot Rolled Bars and Sections.
- AS 1442
- Carbon Steels and Carbon Manganese Steels.
- Hot Rolled Bars and Semi-Finished Products.
- AS 1444
- Wrought Alloy Steels Standard and Hardenability.
- (H) Series.
- AS 1447
- Hot Rolled Spring Steels.
- and BHP steel grades

(based on AISI-SAE nomenclature).

Table 4 Squares — Size Availability and Mass

Thickness (mm)	Mass (kg/m)
10	0.790
12	1.13
16	2.01
20	3.14
25	4.91
40	12.5

Table 3 Rounds — Size Availability and Mass

Diameter (mm)	Mass (kg/m)
10	0.616
12	0.887
14	1.21
15	1.39
16	1.58
17	1.78
18	1.99
19	2.23
20	2.46
21	2.72
22	2.98
23	3.26
24	3.55
26	4.17
27	4.49
30	5.55
32	6.31
33	6.71
36	7.99
39	9.38
42	10.9
45	12.5
48	14.2
50	15.4
56	19.3
60	22.2
65	26.0
75	34.7
80	39.5
90	49.9
100	61.7

Table 5 Flats — Size Availability and Mass (kg/m)

Width (mm)	Thickness (mm)	Mass (kg/m)
16	1.00	1.57
20	1.18	1.57
25	1.51	2.01
32	1.26	1.51
40	1.57	1.88
50	1.96	2.36
65	2.55	3.14
75	2.94	3.53
90	3.53	4.24
100	3.93	4.71
110	4.32	5.18
130	5.10	6.12
150	5.89	7.06
180	7.07	8.48
200	9.42	11.8
250	15.7	19.6
300	23.6	29.4
16	1.57	1.57
20	1.18	1.18
25	1.51	1.51
32	1.26	1.26
40	1.57	1.57
50	1.96	1.96
65	2.55	2.55
75	2.94	2.94
90	3.53	3.53
100	3.93	3.93
110	4.32	4.32
130	5.10	5.10
150	5.89	5.89
180	7.07	7.07
200	9.42	9.42
250	15.7	15.7
300	23.6	23.6

58.9

39.3

23.6

39.3