



www.parkersteel.co.uk

MINI

**STEEL BUYERS
GUIDE**





WELCOME TO PARKERSTEEL LIMITED

In an industry with tight deadlines, let us take the stress out of your procurement. Our one stop steel shop allows you to order your steel stock, processed material, steelwork fittings, fasteners and much more all from our Canterbury site in a single call, allowing a more tailored, focused and personalised service than ever before.

Our dedicated team, with many years of experience and knowledge in the steel industry, are here to help in anyway possible and we have put quality and service at the forefront of our business.

We aim to build a strong working relationship with you so you consider us to be your steel partner. We truly believe in working with our customers to help make your businesses more profitable.



OUR ACCREDITATIONS

ParkerSteel is committed to offering high quality products and services. All our stock lines have a declaration of performance available for instant download, as well as giving you instant access to your test certs when you need them.



ACCESS
DoP
INSTANTLY

24/7
TEST
CERTS

WHAT CAN WE OFFER YOUR BUSINESS?



Vast and varied **EXPERIENCE** across the company



The **LARGEST SINGLE SITE STEEL STOCKHOLDER & PROCESSOR** in the south



300,000 square feet of warehousing



Over **10,000 TONNES OF STEEL** in stock



Over **20 STATE OF THE ART MACHINES**



40+ STRONG FLEET of dedicated delivery vehicles



250+ employees



4 SITES across the UK



STEEL PRODUCTS

ParkerSteel supplies a wide variety of steel and aluminium products to industries across the UK and abroad and our selection of high quality steel has been designed to suit the needs of every business. We also offer a range of steel processing services for a comprehensive experience. So whether you're working on a new building project or after steel for manufacturing, ParkerSteel have everything you need get your job finished to a high standard.

MILD STEEL

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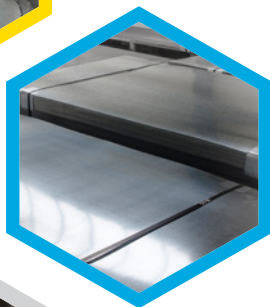
BRIGHT STEEL

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STAINLESS STEEL

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ALUMINIUM

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PROCESSING

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SOLID STATE FIBER LASER



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PLASMA MACHINES



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4M BREAK PRESSES



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SAW & DRILL LINES



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DRILLING CENTRES



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SHOTBLAST & PRIMER



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SAW LINES



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TUBE LASER



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PLATE MACHINE



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PUNCH & SHEAR



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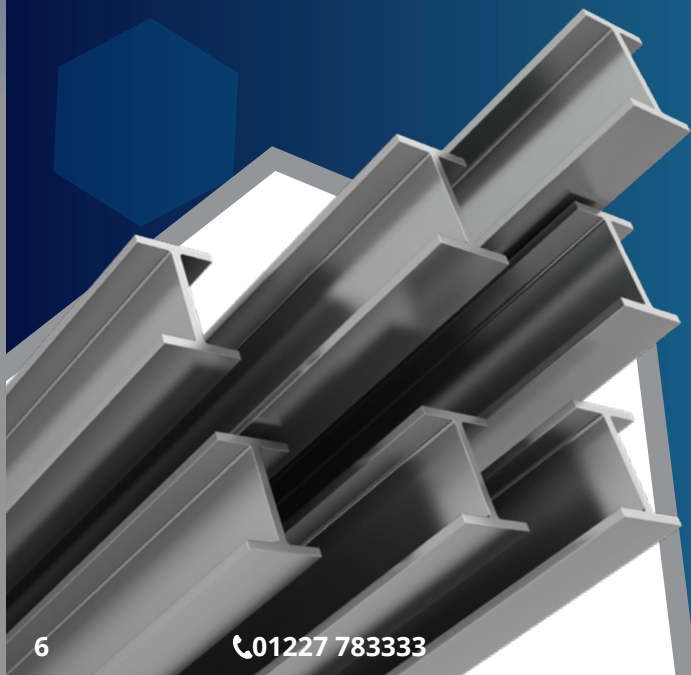
WATERJET



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STRUCTURAL STEEL

Universal Beams	8
Universal Columns.....	16
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TECHNICAL DELIVERY CONDITIONS

Specification to:
BS EN 10025:S275JR:2004
BS EN 10025:S355JR:2004

TOLERANCES ON SHAPE & MASS

BS EN 10034:1993

EUROPEAN SECTIONS

Specifications & Tolerances to:
DIN 1025: Part 1: 1995
DIN 1025: Parts 2-4: 1994/5
DIN 1025: Part 5: 1994



UNIVERSAL BEAMS

S355JR/JO



kg
/m

Lengths m

6.1 8 9.5 11 12.2 14 15.5 16.5 18.3

127 x 76mm

13	•	•	•	•	•	•	•		
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152 x 89mm

16	•	•	•	•	•	•	•		
----	---	---	---	---	---	---	---	--	--

178 x 102mm

19	•	•	•	•	•	•	•		
----	---	---	---	---	---	---	---	--	--

203 x 102mm

23	•	•	•	•	•	•	•	•	•
----	---	---	---	---	---	---	---	---	---

203 x 133mm

25	•	•	•	•	•	•	•	•	•
30	•	•	•	•	•	•	•	•	•

254 x 102mm

22	•	•	•	•	•	•	•	•	•
25	•	•	•	•	•	•	•	•	•
28	•	•	•	•	•	•	•	•	•

254 x 146mm

31	•	•	•	•	•	•	•	•	•
37	•	•	•	•	•	•	•	•	•
43	•	•	•	•	•	•	•	•	•



UNIVERSAL BEAMS

S355JR/JO

kg /m	Depth (d)	Width (b)	Dimensions mm			
			Web (s)	Flange (t)	Radius (r)	Fillet (f)
127 x 76mm						
13	127.0	76.2	4.2	7.6	7.6	96.9
152 x 89mm						
16	152.4	88.9	4.6	7.7	7.6	121.8
178 x 102mm						
19	177.8	101.6	4.7	7.9	7.6	146.8
203 x 102mm						
23	203.2	101.9	5.2	9.3	7.6	169.4
203 x 133mm						
25	203.2	133.4	5.8	7.8	7.6	172.4
30	206.8	133.8	6.3	9.6	7.6	172.4
254 x 102mm						
22	254.0	101.6	5.8	6.8	7.6	225.2
25	257.0	101.9	6.1	8.4	7.6	225.2
28	260.4	102.1	6.4	10.0	7.6	225.2
254 x 146mm						
31	251.5	146.1	6.1	8.6	7.6	219.0
37	256.0	146.4	6.4	10.9	7.6	219.0
43	259.6	147.3	7.3	12.7	7.6	219.0



UNIVERSAL BEAMS

S355JR/JO



kg
/m

Lengths m

6.1 8 9.5 11 12.2 14 15.5 16.5 18.3

305 x 102mm

25	•	•	•	•	•	•	•	•	•
28	•	•	•	•	•	•	•	•	•
33	•	•	•	•	•	•	•	•	•

305 x 127mm

37	•	•	•	•	•	•	•	•	•
42	•	•	•	•	•	•	•	•	•
48	•	•	•	•	•	•	•	•	•

305 x 165mm

40	•	•	•	•	•	•	•	•	•
46	•	•	•	•	•	•	•	•	•
54	•	•	•	•	•	•	•	•	•

356 x 127mm

33	•	•	•	•	•	•	•	•	•
39	•	•	•	•	•	•	•	•	•

356 x 171mm

45	•	•	•	•	•	•	•	•	•
51	•	•	•	•	•	•	•	•	•
57	•	•	•	•	•	•	•	•	•
67	•	•	•	•	•	•	•	•	•

406 x 140mm

39			•	•	•	•	•	•	•
46			•	•	•	•	•	•	•



UNIVERSAL BEAMS

S355JR/JO

kg /m	Depth (d)	Width (b)	Dimensions mm			
			Web (s)	Flange (t)	Radius (r)	Fillet (f)

305 x 102mm

25	304.8	101.6	5.8	6.8	7.6	275.9
28	308.9	101.9	6.1	8.9	7.6	275.9
33	312.7	102.4	6.6	10.8	7.6	275.9

305 x 127mm

37	303.8	123.5	7.2	10.7	8.9	265.2
42	306.6	124.3	8.0	12.1	8.9	265.2
48	310.4	125.2	8.9	14.0	8.9	265.2

305 x 165mm

40	303.8	165.1	6.1	10.2	8.9	265.2
46	307.1	165.7	6.7	11.8	8.9	265.2
54	310.9	166.8	7.7	13.7	8.9	265.2

356 x 127mm

33	348.5	125.4	5.9	8.5	10.2	311.6
39	352.8	126.0	6.5	10.7	10.2	311.6

356 x 171mm

45	352.0	171.0	6.9	9.7	10.2	311.6
51	355.6	171.5	7.3	11.5	10.2	311.6
57	358.6	172.1	8.0	13.0	10.2	311.6
67	364.0	173.2	9.1	15.7	10.2	311.6

406 x 140mm

39	397.3	141.8	6.3	8.6	10.2	360.4
46	402.3	142.4	6.9	11.2	10.2	360.4



UNIVERSAL BEAMS

S355JR/JO



kg
/m

Lengths m

6.1 8 9.5 11 12.2 14 15.5 16.5 18.3

406 x 178mm

54			•	•	•	•	•	•	•
60			•	•	•	•	•	•	•
67			•	•	•	•	•	•	•
74			•	•	•	•	•	•	•

457 x 152mm

52			•	•	•	•	•	•	•
60			•	•	•	•	•	•	•
67			•	•	•	•	•	•	•
74			•	•	•	•	•	•	•
82			•	•	•	•	•	•	•

457 x 191mm

67			•	•	•	•	•	•	•
74			•	•	•	•	•	•	•
82			•	•	•	•	•	•	•
89			•	•	•	•	•	•	•
98			•	•	•	•	•	•	•

533 x 210mm

82			•	•	•	•	•	•	•
92			•	•	•	•	•	•	•
101			•	•	•	•	•	•	•
109			•	•	•	•	•	•	•
122			•	•	•	•	•	•	•



UNIVERSAL BEAMS

S355JR/JO

kg /m	Depth (d)	Width (b)	Dimensions mm			
			Web (s)	Flange (t)	Radius (r)	Fillet (f)
406 x 178mm						
54	402.6	177.6	7.6	10.9	10.2	360.4
60	406.4	177.8	7.8	12.8	10.2	360.4
67	409.4	178.8	8.8	14.3	10.2	360.4
74	412.8	179.7	9.7	16.0	10.2	360.4

457 x 152mm

52	449.8	152.4	7.6	10.9	10.2	407.6
60	454.7	152.9	8.0	13.3	10.2	407.6
67	458.0	153.8	9.0	15.0	10.2	407.6
74	461.3	152.7	9.9	17.0	10.2	407.6
82	465.1	153.5	10.7	18.9	10.2	407.6

457 x 191mm

67	453.6	189.9	8.5	12.7	10.2	407.6
74	457.2	190.5	9.1	14.5	10.2	407.6
82	460.2	191.3	9.9	16.0	10.2	407.6
89	466.0	192.0	10.6	17.7	10.2	407.6
98	467.4	192.8	11.4	19.6	10.2	407.6

533 x 210mm

82	528.3	208.8	9.6	13.2	12.7	476.5
92	533.1	209.3	10.1	15.6	12.7	476.5
101	536.7	210.0	10.8	17.4	12.7	476.5
109	539.5	210.8	11.6	18.8	12.7	476.5
122	544.5	211.9	12.7	21.3	12.7	476.5



UNIVERSAL BEAMS

S355JR/JO



kg
/m

Lengths m

6.1 8 9.5 11 12.2 14 15.5 16.5 18.3

610 x 229mm

101			•	•	•	•	•	•	•
113			•	•	•	•	•	•	•
125			•	•	•	•	•	•	•
140			•	•	•	•	•	•	•

UNIVERSAL BEAMS

S275JR/JO



kg
/m

Lengths m

2.725 3.125 8.2 9.4 12.2

100 x 55mm (IPE 100)

6.72			•	•	
8.1	•	•			•



UNIVERSAL BEAMS

S355JR/JO

kg /m	Depth (d)	Width (b)	Dimensions mm			
			Web (s)	Flange (t)	Radius (r)	Fillet (f)
610 x 229mm						
101	602.6	227.6	10.5	14.8	12.7	547.6
113	607.6	228.2	11.1	17.3	12.7	547.6
125	612.2	229.0	11.9	19.6	12.7	547.6
140	617.2	230.2	13.1	22.1	12.7	547.6



UNIVERSAL BEAMS

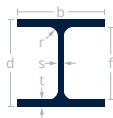
S275JR/JO

kg /m	Depth (d)	Width (b)	Dimensions mm			
			Web (s)	Flange (t)	Radius (r)	Fillet (f)
100 x 55mm (IPE 100)						
6.72	97.6	55.0	3.6	4.5	7.0	74.6
8.1	100.0	55.0	4.1	5.7	7.0	74.6



UNIVERSAL COLUMNS

S275JR/JO



kg

/m

Lengths m

6.1

8

9.5

11

12.2

14

15.5

16.5

18.3

100 x 100mm (HEB 100)

20.4					•				
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152 x 152mm

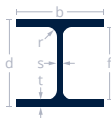
23	•	•	•	•	•	•	•	•	•
30	•	•	•	•	•	•	•	•	•
37	•	•	•	•	•	•	•	•	•
44					•				
51					•				

203 x 203mm

46	•	•	•	•	•	•	•	•	•
52	•	•	•	•	•	•	•	•	•
60	•	•	•	•	•	•	•	•	•
71	•	•	•	•	•	•	•	•	•
86	•	•	•	•	•	•	•	•	•

254 x 254mm

73		•	•	•	•	•	•	•	•
89		•	•	•	•	•	•	•	•
107		•	•	•	•	•	•	•	•
132		•	•	•	•	•	•	•	•
167		•	•	•	•	•	•	•	•



UNIVERSAL COLUMNS

S275JR/J0

kg /m	Depth (d)	Width (b)	Dimensions mm Web (s)	Flange (t)	Radius (r)	Fillet (f)
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100 x 100mm (HEB 100)

8.1	20	100.0	100.0	6.0	10.0	12.0
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152 x 152mm

23	44	152.4	152.4	6.1	6.8	7.6
30	33	157.5	152.9	6.6	9.4	7.6
37	27	161.8	155.4	8.1	11.5	7.6
44	166	155.9	9.5	13.6	7.6	123.6
51	170.2	157.4	11.0	15.7	7.6	123.6

203 x 203mm

46	22	203.2	203.2	7.3	11.0	10.2
52	19	206.2	203.9	8.0	12.5	10.2
60	17	209.6	205.2	9.3	14.2	10.2
71	14	215.9	206.2	10.3	17.3	10.2
86	12	222.3	208.8	13.0	20.5	10.2

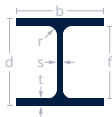
254 x 254mm

73	14	254.0	254.0	8.6	14.2	12.7
89	11	260.4	255.9	10.5	17.3	12.7
107	9	266.7	258.3	13.0	20.5	12.7
132	7	276.4	261.0	15.6	25.3	12.7
167	6	289.1	265.2	19.2	31.7	12.7



UNIVERSAL COLUMNS

S275JR/JO



kg /m	Lengths m								
	6.1	8	9.5	11	12.2	14	15.5	16.5	18.3

305 x 305mm

97		•	•	•	•	•	•	•	•
118		•	•	•	•	•	•	•	•
137		•	•	•	•	•	•	•	•
158		•	•	•	•	•	•	•	•
198		•	•	•	•	•	•	•	•

CHANNEL PARALLEL FLANGE

S355JR/JO



Width mm (b)	kg /m	Lengths m								
		6	6.1	8	9.5	11	12	12.2	14	15.5 16.5

100mm

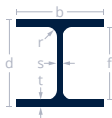
50	10.2	•			•		•			
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125mm

65	14.8	•		•	•		•		•	
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150mm

75	17.9	•		•	•		•			
90	24.0		•	•	•	•		•	•	•



UNIVERSAL COLUMNS

S275JR/JO

kg /m	Depth (d)	Width (b)	Dimensions mm		Radius (r)	Fillet (f)
			Web (s)	Flange (t)		
305 x 305mm						
97	10	307.8	304.8	9.9	15.4	15.2
118	8	314.5	306.8	11.9	18.7	15.2
137	7	320.5	308.7	13.8	21.7	15.2
158	6	327.1	310.6	15.7	25.0	15.2
198	5	339.9	314.5	19.1	31.4	15.2



CHANNEL PARALLEL FLANGE

S355JR/JO

Width mm (b)	kg /m	Depth (d)	Width (b)	Dimensions mm		Radius (r)	Fillet (f)
				Web (s)	Flange (t)		
100mm							
50	10.2	100	50	5.0	8.5	9	83

125mm

65	14.8	125	65	5.5	9.5	12	106
----	------	-----	----	-----	-----	----	-----

150mm

75	17.9	150	75	5.5	10.0	12	130
90	24.0	150	90	6.5	12.0	12	126



CHANNEL PARALLEL FLANGE

S355JR/JO



Width mm (b)	kg /m	Lengths m									
		6	6.1	8	9.5	11	12	12.2	14	15.5	16.5

180mm

75	19.7		•	•	•	•		•	•	•	
90	26.1		•	•	•	•		•	•	•	

200mm

75	23.4		•	•	•	•		•	•	•	•
90	29.7		•	•	•	•		•	•	•	•

230mm

75	25.7		•	•	•	•		•	•	•	•
90	32.2		•	•	•	•		•	•	•	•

260mm

75	27.6		•	•	•	•		•	•	•	•
90	34.8		•	•	•	•		•	•	•	•

300mm

90	41.4				•	•		•	•	•	•
100	45.5				•	•		•	•	•	•

380mm

100	54.0				•	•		•	•	•	•
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430mm

100	64.4				•	•		•	•	•	•
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CHANNEL PARALLEL FLANGE

S355JR/J0

Width mm (b)	kg /m	Depth (d)	Width (b)	Dimensions mm		Radius (r)	Fillet (f)
				Web (s)	Flange (t)		
180mm							
75	19.7	180	75	5.5	10.5	12	135
90	26.1	180	90	6.5	12.5	12	155
200mm							
75	23.4	200	75	6.0	12.5	12	175
90	29.7	200	90	7.0	14.0	12	172
230mm							
75	25.7	230	75	6.5	12.5	12	205
90	32.2	230	90	7.5	14.0	12	202
260mm							
75	27.6	260	75	7.0	12.0	12	236
90	34.8	260	90	8.0	14.0	12	232
300mm							
90	41.4	300	90	9.0	15.5	12	269
100	45.5	300	100	9.5	15.0	15	240
380mm							
100	54.0	380	100	9.5	17.5	15	345
480mm							
100	64.4	430	100	11.0	19.0	15	392



CHANNEL PARALLEL FLANGE

S275JR/JO



Width mm (b)	kg /m	Lengths m		
		6-6.1	9.5	12-12.2

100mm

50	10.0			•
----	------	--	--	---

125mm

65	15.0	•		•
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150mm

75	18.0	•	•	
90	24.0			•

180mm

90	26.0	•		•
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200mm

90	30.0			•
----	------	--	--	---

230mm

90	32.0	•	•	
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CHANNEL PARALLEL FLANGE

S275JR/J0

Width mm (b)	kg /m	Depth (d)	Width (b)	Dimensions mm			
				Web (s)	Flange (t)	Radius (r)	Fillet (f)
100mm							
50	10.0	100.0	50.0	5.0	8.5	9.0	83.0
125mm							
65	15.0	125.0	65.0	5.5	9.5	12.0	106.0
150mm							
75	18.0	150.0	75.0	5.5	10.0	12.0	130.0
90	24.0	150.0	90.0	6.5	12.0	12.0	126.0
180mm							
90	26.0	180.0	90.0	6.5	12.5	12.0	155.0
200mm							
90	30.0	200.0	90.0	7.0	14.0	12.0	172.0
230mm							
90	32.0	230.0	90.0	7.5	14.0	12.0	202.0



CHANNEL TAPERED FLANGE

S275JR



Lengths (m)

kg
/m

6.0-6.4m

12.1-12.4m

40 x 20 x 5mm

2.87

•

50 x 25 x 5mm

3.96

•

50 x 38 x 5mm

5.59

•

76 x 38mm

6.70

•

•



CHANNEL TAPERED FLANGE

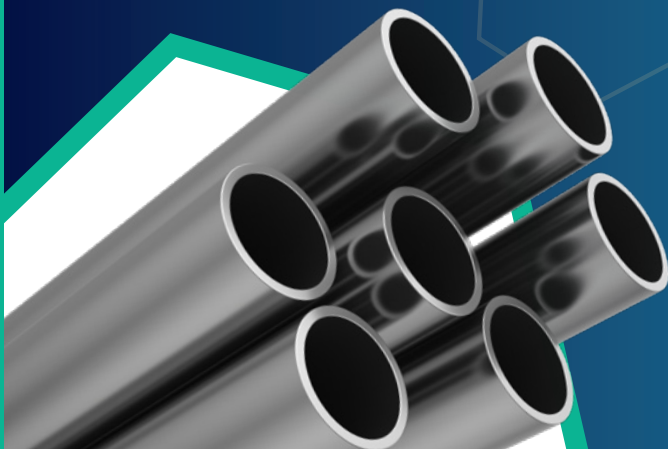
S275JR

Dimensions mm

kg /m	Depth (d)	Width (b)	Web (s)	Flange (t)	Root Radius (r ¹)	Toe Radius (r ²)
40 x 20 x 5mm						
2.87	20	100.0	100.0	6.0	10.0	12.0
50 x 25 x 5mm						
3.96	44	152.4	152.4	6.1	6.8	7.6
50 x 38 x 5mm						
5.59	33	157.5	152.9	6.6	9.4	7.6
76 x 38mm						
6.70	27	161.8	155.4	8.1	11.5	7.6

HOLLOW SECTION & TUBE

Square Hollow Section	28
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TECHNICAL DELIVERY CONDITIONS

Specification to:
BS EN 10219-1: 1997: S235JR
BS EN 10219-1: 1997: S355J2H

TOLERANCES:

(Dimensions & Sectional Properties)
BS EN 10219 - 2: 1997

SPECIFICATIONS - HOT FINISHED

BS EN 10210-1: 1994: S235JR
BS EN 10219-1: 1997: S355J2H

ELECTRIC RESISTANCE WELDED STEEL TUBE

BS EN 10296: 2003

NON ALLOY STEEL TUBES

BS 1387: 1985

SCREWED & SOCKETED STEEL TUBE

BS 1387: 1985

GAS & WATER BARREL

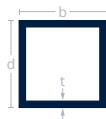
BS 1387: 1985

E.R.W TUBE

BS EN10296

SQUARE HOLLOW SECTION

S235JRH - COLD FORMED



Wall
Thickness
mm (t) kg/m

Lengths (m)

6.1-6.5 6.95-7.05 7.5-7.65 8.15-8.35 10-10.2 12-12.2

20 x 20mm

2.0	1.20			•			
2.5	1.35			•			

25 x 25mm

2.0	1.43	•		•			
2.5	1.74			•			
3.0	2.04			•			

30 x 30mm

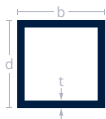
2.0				•			
2.5	2.03			•			
3.0	2.51			•			

40 x 40mm

2.0	2.43			•			
2.5	2.92			•			
3.0	3.45			•			
4.0	4.46			•			

50 x 50mm

2.0	2.93			•	•		
2.5	3.56			•			
3.0	4.39			•			
4.0	5.72			•			•
5.0	6.97			•			



SQUARE HOLLOW SECTION

S235JRH - COLD FORMED

Wall
Thickness
mm (t)

Lengths (m)

6.1-6.5 6.95-7.05 7.5-7.65 8.15-8.35 10-10.2 12-12.2

60 x 60mm

2.0	3.61	•		•			
3.0	5.34			•			
4.0	6.97			•			
5.0	8.54			•			

70 x 70mm

2.5	5.25						
3.0	6.30			•		•	•
3.6	7.46			•			•
5.0	10.10			•			

75 x 75mm

3.0	6.71			•			
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80 x 80mm

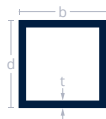
3.0	7.22			•			
3.6	8.59			•		•	•
5.0	11.70			•			•
6.0	14.40			•			

90 x 90mm

3.0	8.21			•			
3.5	9.72			•		•	•
5.0	13.30			•			
6.0	15.1			•			

SQUARE HOLLOW SECTION

S235JRH - COLD FORMED



Wall Thickness mm (t)	kg/m	Lengths (m)					
		6.1-6.5	6.95-7.05	7.5-7.65	8.15-8.35	10-10.2	12-12.2

100 x 100mm

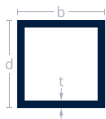
3.0	9.06			•			•
4.0	12.00	•		•		•	•
5.0	14.80			•			•
6.0	18.40			•			•
8.0	22.57			•			

120 x 120mm

4.0	14.44					•	
5.0	18.00			•			•
6.0	22.30			•			•
6.3	22.16					•	
8.0	27.90						•

150 x 150mm

4.0	18.20			•			
5.0	22.70			•			•
6.0	28.30			•		•	•
8.0	35.40			•			•



SQUARE HOLLOW SECTION

S355J2H - COLD FORMED

Wall
Thickness
mm (t)

kg/m

Lengths (m)

4-4.2

6.2-6.4

7.5-7.65

10-10.2

11-11.2

12-12.2

40 x 40mm

5.0	5.28			•			
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50 x 50mm

3.0	4.35			•			
5.0	6.85			•			

60 x 60mm

3.0	5.29						•
5.0	8.42				•		

70 x 70mm

3.0	6.24			•	•		•
3.6	7.69			•			
5.0	9.99			•			

80 x 80mm

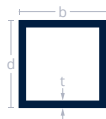
3.6	8.85			•	•		•
5.0	11.56			•			•
6.0	13.64						•

90 x 90mm

3.5	9.47			•	•		•
4.0	10.67		•				
5.0	13.13	•		•			•
8.0	20.06			•			

SQUARE HOLLOW SECTION

S355J2H - COLD FORMED



Wall Thickness mm (t)	kg/m	Lengths (m)					
		4-4.2	6.2-6.4	7.5-7.65	10-10.2	11-11.2	12-12.2

100 x 100mm

4.0	11.92			•	•		•
5.0	14.4			•	•		•
6.0	17.0			•	•		•
6.3	18.20						
8.0	21.40			•	•		•
10.0	27.90			•	•		•

120 x 120mm

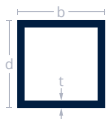
5.0	17.5			•	•		•
6.0	20.7			•	•		•
8.0	27.60			•	•		•
10.0	34.2			•	•		•

140 x 140mm

6.0	25.11			•	•		•
8.0	32.19			•	•		•

150 x 150mm

5.0	22.3			•	•		•
6.0	26.4			•	•		•
8.0	33.9			•	•		•
10.0	43.60			•	•		•



SQUARE HOLLOW SECTION

S355J2H - COLD FORMED

Wall Thickness mm (t)	kg/m	Lengths (m)					
		4-4.2	6.2-6.4	7.5-7.65	10-10.2	11-11.2	12-12.2

180 x 180mm

6.0	32.48			•	•		•
8.0	41.5			•	•		•
10.0	50.7					•	•
12.5	60.5						•

200 x 200mm

6.0	38.20			•	•		•
8.0	48.00			•	•		•
10.0	59.30			•	•		•
12.5	68.3			•	•		•

250 x 250mm

8.0	59.1			•	•		•
10.0	72.7			•	•		•
12.5	88.0						•

300 x 300mm

8.0	71.6						•
10.0	88.4						•
12.5	108.0						•



RECTANGULAR HOLLOW SECTION

S235JR - COLD FORMED



Wall Thickness
mm (t)

kg/m

Lengths (m)

6-6.2

7.5-7.65

8.5-8.7

12-12.2

40 x 20mm

2.0	1.73		•		
3.0	2.47		•		

50 x 25mm

2.0	2.15		•		
2.5	2.72		•		
3.0	3.22		•		

50 x 30mm

2.0	2.35		•		
2.5	2.92		•		
3.0	3.45		•		

60 x 30mm

3.0	3.96		•		
-----	------	--	---	--	--

60 x 40mm

2.0	2.98	•	•		
2.5	3.68		•		
3.0	4.39		•		
4.0	5.72		•		•
5.0	6.85		•		

70 x 40mm

4.0	6.08		•		
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RECTANGULAR HOLLOW SECTION

S235JR - COLD FORMED

Wall Thickness
mm (t)

kg/m

Lengths (m)

6-6.2

7.5-7.65

8.5-8.7

12-12.2

75 x 50mm

3.0	6.06		•		
5.0	8.42		•		

80 x 40mm

2.0	3.61		•		
2.5	4.46		•		
3.0	5.34	•	•		
4.0	6.97		•		

80 x 50mm

3.0	5.77	•	•		
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90 x 50mm

3.0	6.28		•		
3.6	7.46		•		
5.0	10.10		•		

100 x 40mm

4.0	8.16	•			
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100 x 50mm

3.0	6.75		•		•
4.0	8.86		•		
5.0	10.90		•		
6.0	13.40		•		•

RECTANGULAR HOLLOW SECTION

S235JR - COLD FORMED



Wall Thickness
mm (t)

kg/m

Lengths (m)

6-6.2

7.5-7.65

8.5-8.7

12-12.2

100 x 60mm

3.6	8.53		•		
5.0	11.70		•		
6.0	14.40		•		

120 x 60mm

2.0	5.49	•			
3.0	8.12	•	•		
3.6	9.72		•		
5.0	13.30	•	•		•
6.0	16.40		•		

120 x 80mm

5.0	14.80		•	•	
6.0	18.40		•		
8.0	21.40		•		•

150 x 100mm

5.0	18.70		•		•
6.0	23.30		•		•
8.0	29.10		•		•

160 x 80mm

5.0	18.00		•		
6.0	22.30		•		

200 x 80mm

3.0	12.83				•
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RECTANGULAR HOLLOW SECTION

S235JR - COLD FORMED

Wall Thickness
mm (t)

kg/m

Lengths (m)

6-6.2

7.5-7.65

8.5-8.7

12-12.2

200 x 100mm

5.0	22.70		•		•
6.0	28.30		•		•
8.0	35.40		•		•



RECTANGULAR HOLLOW SECTION

S355J2H - COLD FORMED

Wall
Thickness
mm (t)

kg/m

Lengths (m)

6-6.2

7.5-7.65

10-10.2m

12-12.2

100 x 50mm

3.0	6.71		•		
-----	------	--	---	--	--

120 x 60mm

3.6	10.02			•	
5.0	13.13			•	•

120 x 80mm

5.0	14.8		•	•	•
6.0	17.6		•	•	•
8.0	22.9		•	•	•

RECTANGULAR HOLLOW SECTION

S335JR - COLD FORMED



Wall
Thickness
mm (t)

kg/m

Lengths (m)

6-6.2

7.5-7.65

10-10.2m

12-12.2

150 x 100mm

5.0	18.63		•		•
6.0	22.3		•	•	•
8.0	29.1		•	•	•
10.0	35.70				•

160 x 80mm

5.0	17.5		•	•	•
6.0	20.7		•	•	•
8.0	26.4		•	•	•

200 x 100mm

5.0	22.3		•	•	•
6.0	26.4		•	•	•
8.0	33.9		•	•	•
10.0	43.60		•	•	•
12.5	52.70				•

250 x 150mm

5.0	30.10		•	•	•
6.0	34.25		•		
6.3	38.00		•	•	•
8.0	48.00		•	•	•
10.0	57.00		•	•	•
12.5	68.30	•	•	•	•



RECTANGULAR HOLLOW SECTION

S355JR - COLD FORMED

Wall
Thickness
mm (t)

kg/m

Lengths (m)

6-6.2

7.5-7.65

10-10.2m

12-12.2

300 x 200mm

6.0	47.90		•	•	•
8.0	59.10		•	•	•
10.0	72.70		•	•	•
12.5	88.00				•

400 x 200mm

10.0	88.4				•
12.5	108.0				•



CIRCULAR HOLLOW SECTION

S235JRH - COLD FORMED

Wall
Thickness
mm

kg/m

Lengths (m)

3.1-3.5

5.0

5.5

6.0-6.3

6.4-6.6

7.5-7.6

9-9.2

10-10.2

21.3mm Diameter

3.0	1.35				•		•		
-----	------	--	--	--	---	--	---	--	--

26.9mm Diameter

2.5	1.50						•		
3.0	1.77						•		

CIRCULAR HOLLOW SECTION

S235JRH - COLD FORMED



Wall Thickness mm	kg/m	Lengths (m)							
		3.1-3.5	5.0	5.5	6.0-6.3	6.4-6.6	7.5-7.6	9-9.2	10-10.2

33.7mm Diameter

2.0	1.56				•		•		
2.5	1.92						•		
3.0	2.27						•		
3.2	2.41						•		
4.0	2.93						•		

38.1mm Diameter

3.0	2.59					•			
-----	------	--	--	--	--	---	--	--	--

42.4mm Diameter

2.0	1.99						•		
2.5	2.46						•		
3.0	2.91						•		
4.0	3.79						•		

48.3mm Diameter

2.5	2.82						•		
3.0	3.35						•		
3.2	3.56					•			
4.0	4.37						•		
5.0	5.34						•		

60.3mm Diameter

3.0	4.24						•		
4.0	5.55						•		
5.0	6.82						•		



CIRCULAR HOLLOW SECTION

S235JRH - COLD FORMED

Wall Thickness mm	kg/m	Lengths (m)							
		3.1-3.5	5.0	5.5	6.0-6.3	6.4-6.6	7.5-7.6	9-9.2	10-10.2

76.1mm Diameter

2.5	4.54	•	•						
3.0	5.41						•		•
4.0	7.11						•		
5.0	8.77	•					•		

88.9mm Diameter

3.0	6.36						•		
4.0	8.38						•		
5.0	10.30						•		

101.6mm Diameter

2.95	7.18				•				
4.0	9.63				•	•			

114.3mm Diameter

3.0	8.23						•		•
3.6	9.83						•		
5.0	13.50						•	•	•
6.0	16.80				•		•		

139.7mm Diameter

5.0	16.61						•		
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152.4mm Diameter

4.0	14.60				•		•		
-----	-------	--	--	--	---	--	---	--	--

CIRCULAR HOLLOW SECTION

S235JRH - COLD FORMED



Wall Thickness mm	kg/m	Lengths (m)							
		3.1-3.5	5.0	5.5	6.0-6.3	6.4-6.6	7.5-7.6	9-9.2	10-10.2

168.3mm Diameter

3.6	14.6			•					
5.0	20.1						•		

193.7mm Diameter

5.0	23.27						•		
-----	-------	--	--	--	--	--	---	--	--

273mm Diameter

6.3	41.45				•				
-----	-------	--	--	--	---	--	--	--	--

CIRCULAR HOLLOW SECTION

S355J2H - COLD FORMED



Wall Thickness mm	kg/m	Lengths (m)			
		6.0-6.3	6.4-6.6	7.5-7.7	10.0-10.2

33.7mm Diameter

3.2	2.41		•		
-----	------	--	---	--	--

42.4mm Diameter

3.2	3.09			•	
-----	------	--	--	---	--

48.3mm Diameter

3.0	3.35	•			
-----	------	---	--	--	--

76.1mm Diameter

3.0	5.41	•		•	•
4.0	7.11	•		•	•



CIRCULAR HOLLOW SECTION

S355J2H - COLD FORMED

Wall Thickness
mm

kg/m

Lengths (m)

6.0-6.3

6.4-6.6

7.5-7.7

10.0-10.2

88.9mm Diameter

3.0	7.37	•		•	•
4.0	8.38	•		•	•
5.0	10.3	•		•	•

114.3mm Diameter

3.0	8.23	•		•	•
3.6	9.83			•	
4.0	10.74	•		•	•
5.0	13.5	•		•	•
6.0	16.0	•		•	•

139.7mm Diameter

4.0	13.4	•		•	•
5.0	16.60	•		•	•
6.0	20.70	•			•
8.0	26.00	•		•	•
10.0	32.00	•		•	•

168.3mm Diameter

5.0	20.10	•		•	•
6.0	24.00	•		•	•
8.0	31.60	•		•	•
10.0	39.00	•		•	•
12.5	48.0	•		•	•

CIRCULAR HOLLOW SECTION

S355JRH - COLD FORMED



Wall Thickness
mm

kg/m

Lengths (m)

6.0-6.3

6.4-6.6

7.5-7.7

10.0-10.2

193.7mm Diameter

5.0	23.30	•		•	•
6.0	29.10	•		•	•
8.0	36.06	•		•	•
10.0	45.30	•		•	•

219.1mm Diameter

5.0	26.4	•		•	•
6.0	31.5	•		•	•
8.0	41.6	•		•	•
10.0	51.6	•		•	•
12.5	63.7	•		•	•
16.0	80.1	•		•	•

244.5mm Diameter

10.0	57.8			•	
12.5	71.52			•	

273.0mm Diameter

10.0	64.9			•	
12.5	80.3			•	

323.9mm Diameter

6.0	47.04	•			
10.0	77.4			•	
12.5	96.0			•	



E.R.W. ROUND TUBE

BS EN10305 E220

Wall
Thickness
mm (t)

kg/m

Lengths (m)
6.0-6.15

Wall
Thickness
mm (t)

kg/m

Lengths (m)
6.0-6.15

12.7mm Diameter

2.0	0.57	•
-----	------	---

15.88mm Diameter

1.20	0.44	•
------	------	---

16.0mm Diameter

3.0	5.41	•
-----	------	---

19.0mm Diameter

1.20	0.551	•
1.50	0.651	•

22.0mm Diameter

1.50	0.758	•
------	-------	---

22.2mm Diameter

2.0	1.01	•
-----	------	---

25.0mm Diameter

1.50	0.910	•
2.00	1.130	•

32.0mm Diameter

1.50	1.128	•
------	-------	---

38.0mm Diameter

1.50	1.350	•
------	-------	---

50.0mm Diameter

1.50	1.976	•
------	-------	---

50.8mm Diameter

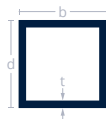
2.50	2.75	•
------	------	---

60.0mm Diameter

1.50	2.164	•
2.0	2.90	•

E.R.W. SQUARE TUBE

BS EN10305 E220



Wall Thickness
mm (t)

kg/m

Lengths (m)
6.0-6.15

12.7 x 12.7mm

1.50	0.54	•
------	------	---

16.0 x 16.0mm

1.20	0.53	•
2.0	0.77	•

20.0 x 20.0mm

1.20	0.726	•
1.50	0.86	•

22.0 x 22.0mm

1.20	0.77	•
1.50	0.97	•

25.0 x 25.0mm

1.20	0.922	•
1.50	1.09	•
2.00	1.420	•

32.0 x 32.0mm

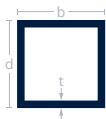
1.20	1.170	•
2.00	1.911	•

38.1 x 38.1mm

1.50	1.35	•
------	------	---

40.0 x 40.0mm

1.50	1.828	•
------	-------	---



E.R.W. SQUARE TUBE

BS EN10305 E220

Wall Thickness
mm (t)

kg/m

Lengths (m)
6.0-6.15

50.0 x 50.0mm

1.50	2.455	•
------	-------	---



E.R.W. RECTANGULAR TUBE

BS EN10305 E220

Wall Thickness
mm (t)

kg/m

Lengths (m)
5.3 6.0-6.15

25.0 x 15.0mm

1.50	0.87	•
------	------	---

30.0 x 20.0mm

2.00	1.46	•
------	------	---

35.0 x 15.0mm

1.50	1.080	•
------	-------	---

40.0 x 20.0mm

1.50	1.356	•
------	-------	---

50.0 x 25.0mm

1.50	1.710	•
------	-------	---

PLAIN ENDED TUBE

BS1387



Red Primed & Galvanised

Galvanised

Med

Heavy

Med

Heavy

¼ inch / 8mm

•			
---	--	--	--

⅜ inch / 10mm

•			
---	--	--	--

½ inch / 15mm

•	•	•	
---	---	---	--

¾ inch / 20mm

•	•	•	
---	---	---	--

1 inch / 25mm

•	•	•	•
---	---	---	---

1¼ inch / 32mm

•	•	•	
---	---	---	--

1½ inch / 40mm

•	•	•	•
---	---	---	---

2 inch / 50mm

•	•	•	
---	---	---	--

2½ inch / 65mm

•	•	•	
---	---	---	--

3 inch / 80mm

•	•		
---	---	--	--



PLAIN ENDED TUBE

BS1387

Red Primed & Galvanised

Med

Heavy

Galvanised

Med

Heavy

4 inch / 100mm

•	•		
---	---	--	--

6 inch / 150mm

	•		
--	---	--	--



SCREWED & SOCKETED TUBE

BS1387

Red Primed & Galvanised

Med

Heavy

Galvanised

Med

Heavy

¼ inch / 15mm

•	•	•	•
---	---	---	---

¾ inch / 20mm

•	•	•	•
---	---	---	---

1 inch / 25mm

•	•	•	•
---	---	---	---

1¼ inch / 32mm

•	•	•	•
---	---	---	---

SCREWED & SOCKETED TUBE

BS1387



Red Primed & Galvanised

Galvanised

Med

Heavy

Med

Heavy

1½ inch / 40mm

•	•	•	•
---	---	---	---

2 inch / 50mm

•	•	•	•
---	---	---	---

2½ inch / 65mm

	•	•	
--	---	---	--

3 inch / 80mm

•	•	•	
---	---	---	--

4 inch / 100mm

•		•	
---	--	---	--

5 inch / 125mm

•			
---	--	--	--

6 inch / 150mm

		•	
--	--	---	--



SCREWED & SOCKETED TUBE

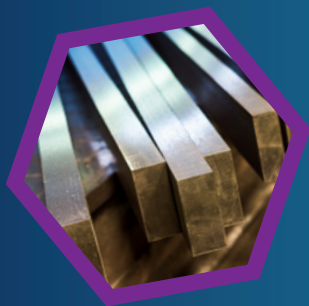
DIMENSIONS & WEIGHTS

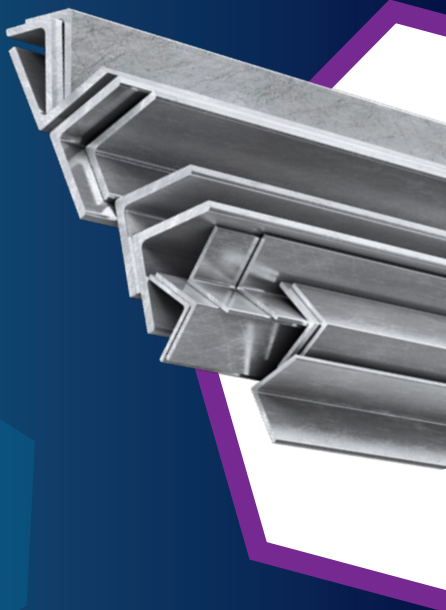
Nominal Bore		Outside Diameter mm (d)		Thickness (t)	Medium - Banded Blue	
					Plain End	Screwed & Socketed
mm	inches	Max	Min	mm	kg/m	kg/m
8	¼	13.9	13.3	2.3	0.641	0.645
10	⅜	17.4	16.8	2.3	0.839	0.845
15	½	21.7	21.1	2.6	1.21	1.22
20	¾	27.2	26.6	2.6	1.56	1.57
25	1	34.2	33.4	3.2	2.41	2.43
32	1 ¼	42.9	42.1	3.2	3.10	3.13
40	1 ½	48.8	48.0	3.2	3.57	3.61
50	2	60.8	59.8	3.6	5.03	5.10
65	2 ½	76.6	75.4	3.6	6.43	6.55
80	3	89.5	88.1	4.0	8.37	8.54
100	4	114.9	113.3	4.5	12.20	12.50
125	5	140.6	138.7	5.0	16.60	17.10
150	6	166.1	164.1	5.0	19.70	20.30

Heavy - Banded Red						
mm	inches	Max	Min	mm	kg/m	kg/m
8	¼	13.9	13.3	2.9	0.765	0.769
10	⅜	17.4	16.8	2.9	1.02	1.03
15	½	21.7	21.1	3.2	1.44	1.45
20	¾	27.2	26.6	3.2	1.87	1.88
25	1	34.2	33.4	4.0	2.94	2.96
32	1 ¼	42.9	42.1	4.0	3.80	3.83
40	1 ½	48.8	48.0	4.0	4.38	4.42
50	2	60.8	59.8	4.5	6.19	6.26
65	2 ½	76.6	75.4	4.5	7.93	8.05
80	3	89.5	88.1	5.0	10.30	10.50
100	4	114.9	113.3	5.4	14.50	14.80
125	5	140.6	138.7	5.4	17.90	18.40
150	6	166.1	164.1	5.4	21.30	21.90

GENERAL STEELS

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TECHNICAL DELIVERY CONDITIONS

Specification to:
BS EN 10025:S275JR:2004

TOLERANCES ON SHAPE & DIMENSION

BS EN 10056-2: 1993

REINFORCING BAR SPECIFICATIONS

BS 4449:2005
(Carbon Steel Bars for Reinforcing Concrete)

MILD STEEL EQUAL ANGLE

S275JR



Wall Thickness mm (t)	kg/m	Lengths (m)					Dimensions	
		2.7	5.5-5.6	5.7-5.9	6-6.5	12-12.4	r ¹	r ²

13 x 13mm

3	0.55				•		0.5	-
---	------	--	--	--	---	--	-----	---

16 x 16mm

3	0.71				•		0.5	-
---	------	--	--	--	---	--	-----	---

20 x 20mm

3	0.88				•		3.5	1.75
---	------	--	--	--	---	--	-----	------

25 x 25mm

2.8					•		3.5	2.0
3	1.11				•		3.5	2.4
5	1.77				•		3.5	2.4

30 x 30mm

3	1.36				•		5.0	2.4
4	1.78				•		5.0	2.4
5	2.18				•		5.0	2.4
6	2.72				•		5.0	2.4

40 x 40mm

3	1.83				•		6.0	2.4
4	2.42				•		6.0	2.4
5	2.97				•		6.0	2.4
6	3.52				•		6.0	2.4



MILD STEEL EQUAL ANGLE

S275JR

Wall Thickness mm (t)	kg/m	Lengths (m)					Dimensions	
		2.7	5.5-5.6	5.7-5.9	6-6.5	12-12.4	r ¹	r ²

45 x 45mm

5	3.38				•		7.0	2.4
5.5	3.62	•	•				7.0	2.4
6	4.00				•		7.0	2.4

50 x 50mm

3	2.33				•		7.0	2.4
5	3.77				•		7.0	2.4
5.3	3.94		•				7.0	2.4
6	4.47				•	•	7.0	2.4
8	5.82				•		7.0	2.4

60 x 60mm

5	4.57				•		8.0	2.4
6	5.42				•	•	8.0	2.4
8	7.09				•	•	8.0	2.4
10	8.69				•	•	8.0	2.4

70 x 70mm

6	6.38				•	•	9.0	2.4
8	8.36				•	•	9.0	2.4
10	10.30				•	•	9.0	2.4

75 x 75mm

6	6.87				•		9.0	2.4
8	8.96				•		9.0	2.4
10	11.10				•		9.0	2.4

MILD STEEL EQUAL ANGLE

S275JR



Wall Thickness mm (t)	kg/m	Lengths (m)					Dimensions	
		2.7	5.5-5.6	5.7-5.9	6-6.5	12-12.4	r ¹	r ²

80 x 80mm

6	7.34				•	•	10.0	2.4
8	9.63				•	•	10.0	2.4
10	11.90			•	•	•	10.0	2.4

90 x 90mm

6	8.30				•	•	11.0	4.8
8	10.90				•	•	11.0	4.8
10	13.40				•	•	11.0	4.8
12	15.90				•	•	11.0	4.8

100 x 100mm

8	12.20				•	•	12.0	4.8
10	15.00				•	•	12.0	4.8
12	17.80				•	•	12.0	4.8
15	21.90				•	•	12.0	4.8

120 x 120mm

8	14.70				•	•	13.0	4.8
10	18.20				•	•	13.0	4.8
12	21.60				•	•	13.0	4.8
15	26.6				•	•	13	4.8

125 x 125mm

10	21.60		•		•		13.5	6.8
----	-------	--	---	--	---	--	------	-----



MILD STEEL EQUAL ANGLE

S275JR

Wall Thickness mm (t)	kg/m	Lengths (m)					Dimensions	
		2.7	5.5-5.6	5.7-5.9	6-6.5	12-12.4	r ¹	r ²

150 x 150mm

10	23.00				•	•	16.0	4.8
12	27.30				•	•	16.0	4.8
15	33.80				•	•	16.0	4.8

200 x 200mm

16	48.50				•	•	18	4.8
20	59.9				•	•	18	4.8



MILD STEEL UNEQUAL ANGLE

S275JR

Wall Thickness mm (t)	kg/m	Lengths (m)			Dimensions	
		6.0-6.4	11.0	12-12.4	r ¹	r ²

40 x 25mm

4	1.91	•		•	4.0	2.4
---	------	---	--	---	-----	-----

50 x 40mm

5	3.37	•		•	5.0	2.4
6	3.99	•		•	5.0	2.4

60 x 30mm

5	3.37	•		•	6.0	2.4
6	3.99	•		•	6.0	2.4

MILD STEEL UNEQUAL ANGLE

S275JR



Wall Thickness mm (t)	kg/m	Lengths (m)			Dimensions	
		6.0-6.4	11.0	12-12.4	r ¹	r ²

65 x 50mm

5	4.16	•		•	6.0	2.4
6	4.16	•	•	•	6.0	2.4
8	6.75	•		•	6.0	2.4

75 x 50mm

6	5.65	•		•	7.0	2.4
8	7.39	•		•	7.0	2.4
10	8.78	•		•	7.0	2.4

80 x 60mm

6	6.37	•		•	8.0	4.8
8	8.34	•		•	8.0	4.8

100 x 50mm

6	6.85	•			9.0	4.8
---	------	---	--	--	-----	-----

100 x 65mm

7	8.77	•		•	10.0	4.8
8	9.94	•		•	10.0	4.8
10	12.30	•		•	10.0	4.8

100 x 75mm

8	10.60	•		•	10.0	4.8
10	13.00	•		•	10.0	4.8
12	15.40	•		•	10.0	4.8



MILD STEEL UNEQUAL ANGLE

S275JR

Wall
Thickness
mm (t)

kg/m

Lengths (m)

6.0-6.4

11.0

12-12.4

Dimensions

r¹

r²

125 x 75mm

8	12.20	•		•	11.0	4.8
10	15.00	•		•	11.0	4.8
12	17.80	•		•	11.0	4.8

150 x 75mm

10	17.00	•		•	11.0	4.8
12	20.20	•		•	11.0	4.8
15	24.80	•		•	11.0	4.8

150 x 90mm

10	18.20	•		•	12.0	4.8
12	21.60	•		•	12.0	4.8
15	26.60	•		•	12.0	4.8

200 x 100mm

10	23.00	•		•	15.0	4.8
12	27.30	•		•	15.0	4.8
15	33.70	•		•	15.0	4.8

200 x 150mm

12	32.00	•		•	15.0	4.8
15	39.60	•		•	15.0	4.8

GALVANISED EQUAL ANGLE

S275JR



Wall
Thickness
mm (t)

kg/m

Lengths (m)

6-6.4

Dimensions

r¹

r²

25 x 25mm

3	1.20	•	3.5	2.4
---	------	---	-----	-----

40 x 40mm

5	3.00	•	6.0	2.4
---	------	---	-----	-----

50 x 50mm

6	4.60	•	7.0	2.4
---	------	---	-----	-----

80 x 80mm

6	7.60	•	10.0	2.4
---	------	---	------	-----



MILD STEEL METRIC FLAT BAR

S275JR

Width mm
(d)

kg/m

4.0-4.4

Lengths (m)

5.6-5.8

6.0-6.4

10mm

3	0.236	•		
---	-------	---	--	--

13mm

3	0.31	•		
5	0.51	•		
6	0.61	•		

16mm

3	0.377			•
5	0.942	•		
6	0.773	•		

20mm

3	0.471			•
5	0.785			•
6	0.942			•
8	1.26			•
10	1.57			•
12	1.88			•

MILD STEEL METRIC FLAT BAR

S275JR



Width mm
(d)

kg/m

Lengths (m)

4.0-4.4

5.6-5.8

6.0-6.4

25mm

3	0.59			•
5	0.98			•
6	1.18			•
8	1.57			•
10	1.96			•
12	2.36			•
15	2.94			•

30mm

3	0.707			•
4	0.942			•
5	1.18			•
6	1.41			•
8	1.88			•
10	2.36			•
12	2.83			•
15	3.53			•
20	4.71			•

35mm

5	1.374			•
10	2.748			•



MILD STEEL METRIC FLAT BAR

S275JR

Width mm
(d)

kg/m

4.0-4.4

Lengths (m)

5.6-5.8

6.0-6.4

40mm

3	0.942			•
5	1.57			•
6	1.88			•
8	2.51		•	•
10	3.14			•
12	3.77			•
15	4.71			•
20	6.28			•
25	7.85			•
30	9.42			•

45mm

3	1.06			•
5	1.77			•
6	2.12			•
10	3.53			•
12	4.24			•
15	5.31			•
25	7.83			•

MILD STEEL METRIC FLAT BAR

S275JR



Width mm
(d)

kg/m

Lengths (m)

4.0-4.4

5.6-5.8

6.0-6.4

50mm

3	1.18			•
5	1.96			•
6	2.36			•
8	3.14			•
10	3.93			•
12	4.71			•
15	5.89			•
20	7.85			•
25	9.81			•
30	11.78			•

60mm

3	1.41			•
5	2.36			•
6	2.83			•
8	3.77			•
10	4.71		•	•
12	5.65			•
15	7.07			•
20	9.42			•
25	11.80			•
30	14.10			•



MILD STEEL METRIC FLAT BAR

S275JR

Width mm
(d)

kg/m

4.0-4.4

Lengths (m)

5.6-5.8

6.0-6.4

65mm

3	1.53			•
5	2.55			•
6	3.06			•
8	4.08			•
10	5.10			•
12	6.12			•
15	7.65			•
20	10.20			•
25	12.80			•
40	20.40			•

70mm

6	3.30			•
8	4.40			•
10	5.50			•
12	6.59			•
15	8.243			•
20	11.39			•

MILD STEEL METRIC FLAT BAR

S275JR



Width mm
(d)

kg/m

Lengths (m)

4.0-4.4

5.6-5.8

6.0-6.4

75mm

3	1.77			•
5	3.22			•
6	3.53			•
8	4.71			•
10	5.89			•
12	7.07			•
15	8.85			•
20	11.81			•
25	14.71			•
50	29.40			•

80mm

3	1.89			•
5	3.44			•
6	3.77			•
8	5.02			•
10	6.28			•
12	7.54			•
15	9.42			•
20	12.60			•
25	15.70			•
30	18.80			•
40	25.10			•
50	31.36			•



MILD STEEL METRIC FLAT BAR

S275JR

Width mm
(d)

kg/m

4.0-4.4

Lengths (m)

5.6-5.8

6.0-6.4

90mm

5	3.53			•
6	4.24			•
8	5.65			•
10	7.07			•
12	8.48			•
15	10.60			•
20	14.10			•
25	17.70			•
30	21.17			•
40	28.30			•

100mm

3	2.36			•
5	3.93			•
6	4.71			•
8	6.28			•
10	7.85			•
12	9.42			•
15	11.80			•
20	15.70			•
25	19.60			•
30	23.60			•
40	31.40			•
50	39.30			•

MILD STEEL METRIC FLAT BAR

S275JR



Width mm
(d)

kg/m

Lengths (m)

4.0-4.4

5.6-5.8

6.0-6.4

110mm

6	5.18			•
8	6.91			•
10	8.65			•
12	10.40			•
15	12.95			•
20	17.30			•
25	21.60			•

120mm

6	5.65			•
8	7.53			•
10	9.41			•
12	11.29			•
15	14.11			•
20	18.82			•
25	23.52			•



MILD STEEL METRIC FLAT BAR

S275JR

Width mm
(d)

kg/m

4.0-4.4

Lengths (m)

5.6-5.8

6.0-6.4

130mm

3	3.07			•
5	5.10			•
6	6.12			•
8	8.16			•
10	10.20			•
12	12.20			•
15	15.30			•
20	20.40			•
25	25.50			•
30	30.58			•

140mm

6	6.59			•
8	8.79			•
10	10.99			•
12	13.20			•
15	16.28			•

MILD STEEL METRIC FLAT BAR

S275JR



Width mm
(d)

kg/m

Lengths (m)

4.0-4.4

5.6-5.8

6.0-6.4

150mm

3	3.54			•
5	5.88			•
6	7.07			•
8	9.42			•
10	11.80			•
12	14.10			•
15	17.70			•
20	23.60			•
25	29.40			•
40	47.10			•

160mm

8	10.05			•
10	12.56			•
12	15.07			•
15	18.84			•

180mm

6	8.48			•
8	11.304			•
10	14.10			•
12	17.00			•
15	21.20			•
20	28.30			•
25	35.30			•
30	42.50			•



MILD STEEL METRIC FLAT BAR

S275JR

Width mm
(d)

kg/m

4.0-4.4

Lengths (m)

5.6-5.8

6.0-6.4

200mm

6	9.42			•
8	12.60			•
10	15.70			•
12	18.80			•
15	23.60			•
20	31.40			•
25	39.30			•

220mm

6	10.36			•
8	13.816			•
10	17.30			•
12	20.70			•
15	25.905			•
20	34.50			•
25	43.20			•

250mm

6	11.78			•
8	15.700			•
10	19.60			•
12	23.60			•
15	29.44			•
20	39.20			•
25	49.10			•



MILD STEEL METRIC FLAT BAR

S275JR

Width mm
(d)

kg/m

4.0-4.4

Lengths (m)

5.6-5.8

6.0-6.4

275mm

10	21.59			•
----	-------	--	--	---

300mm

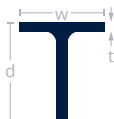
6	14.13			•
8	18.840			•
10	23.60			•
12	28.30			•
15	35.33			•
20	47.10			•
25	58.80			•

350mm

10	32.93			•
12	32.97			•
15	41.21			•
20	54.95			•
25	68.69			•

400mm

10	31.40			•
12	37.68			•
15	47.10			•
20	62.81			•
25	78.50			•



MILD STEEL SPLIT TEES

S275JR

Thickness mm
(t)

kg/m

Lengths (m)
6.0-6.4

25 x 25mm

3	1.19	•
---	------	---

30 x 30mm

5	2.16	•
---	------	---

40 x 40mm

5	2.66	•
6	3.49	•

50 x 50mm

6	4.76	•
---	------	---

HALF ROUND SQUARE EDGE

S275JR



kg/m

Lengths (m)

6.0-6.4

 $1\frac{1}{2}'' \times 1\frac{1}{2}'' \times \frac{1}{4}''$

1.97

•

 $2'' \times 1\frac{1}{2}'' \times \frac{1}{4}''$

3.5

•



HIGH YIELD REINFORCING BAR

S275JR

kg/m

Lengths (m)

6.0-6.4

T6

0.22	•
------	---

T8

0.40	•
------	---

T10

0.62	•
------	---

T12

0.89	•
------	---

T16

1.58	•
------	---

T20

2.47	•
------	---

MILD STEEL ROUND

S275JR



kg/m

Lengths (m)
6.0-6.4

6mm

0.222

•

8mm

0.395

•

10mm

0.617

•

12mm

0.888

•

15mm

1.387

•

16mm

1.580

•

19mm

2.302

•

20mm

2.470

•

22mm

2.980

•

kg/m

Lengths (m)
6.0-6.4

24mm

3.552

•

25mm

3.850

•

30mm

5.550

•

32mm

6.310

•

35mm

7.550

•

38mm

9.080

•

40mm

9.860

•

45mm

12.500

•

50mm

15.400

•



MILD STEEL SQUARE

S275JR

kg/m

Lengths (m)
6.0-6.4

8mm

0.50	•
------	---

10mm

0.79	•
------	---

12mm

1.13	•
------	---

16mm

2.01	•
------	---

18mm

2.543	•
-------	---

20mm

3.14	•
------	---

22mm

3.80	•
------	---

kg/m

Lengths (m)
6.0-6.4

25mm

4.91	•
------	---

30mm

6.80	•
------	---

35mm

9.616	•
-------	---

40mm

12.60	•
-------	---

45mm

15.90	•
-------	---

50mm

19.60	•
-------	---

60mm

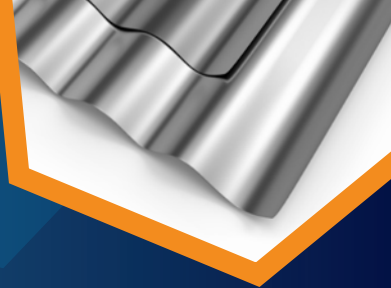
28.30	•
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SHEET & PLATE

Mild Steel Sheet.....	80
Galvanised Corrugated Sheet.....	83
Mild Steel Sheet & Plate	83
Durbar & Stair Tread	86





SPECIFICATIONS:-

Cold rolled Mild Steel
BS EN 10130:199 (Technical Delivery Conditions)
Hot rolled Mild Steel
BS EN 10025:2004: (General Delivery Conditions)
Pressure Vessel Quality
BS EN 10028-1&2:2000:Type 151/161:Gr:430

DELIVERY CONDITIONS:-

Hot Dip Zinc Coated Sheet
BS EN 10327:2004
Electro Zinc Coated Sheet
BS EN 10152:2003

TOLERANCES:-

Cold Rolled Mild Steel
BS EN 10131:1991
Hot Rolled Mild Steel
BS EN 10051:1992
Hot Dipped Zinc Coated
BS 10143:1993



MILD STEEL SHEET

COLD ROLLED (CRGP) CR4

Id 

kg/m²

2.0 x 1.0

Sheet Size (m)

2.5 x 1.25

3.0 x 1.5

0.60mm Thick

4.71		•	
------	--	---	--

0.80mm Thick

6.28	•	•	
------	---	---	--

0.90mm Thick

7.07	•	•	
------	---	---	--

1.00mm Thick

7.85	•	•	
------	---	---	--

1.20mm Thick

9.42	•	•	
------	---	---	--

1.50mm Thick

11.78	•	•	•
-------	---	---	---

2.00mm Thick

15.70	•	•	
-------	---	---	--

2.50mm Thick

19.63	•	•	
-------	---	---	--

3.00mm Thick

23.55	•	•	
-------	---	---	--



MILD STEEL SHEET

ELECTRO ZINC COATED

kg/m²

Sheet Size (m)

2.0 x 1.0

2.5 x 1.25

1.0mm Thick

4.71	•	•
------	---	---

1.2mm Thick

6.28	•	•
------	---	---

1.5mm Thick

7.07	•	•
------	---	---

2.0mm Thick

7.85	•	•
------	---	---



MILD STEEL SHEET

GALVANISED

kg/m²

Sheet Size (m)

2.0 x 1.0

2.5 x 1.25

0.60mm Thick

4.77	•	•
------	---	---

0.80mm Thick

6.36	•	•
------	---	---

MILD STEEL SHEET

GALVANISED



kg/m²

Sheet Size (m)

2.0 x 1.0

2.5 x 1.25

1.00mm Thick

7.95	•	•
------	---	---

1.20mm Thick

9.54	•	•
------	---	---

1.50mm Thick

11.93	•	•
-------	---	---

2.00mm Thick

15.90	•	•
-------	---	---

2.50mm Thick

19.88		•
-------	--	---

3.00mm Thick

23.85	•	•
-------	---	---

BS EN 10143:1993 Hot Dipped, Lock Forming Quality

GALVANISED CORRUGATED SHEET



S275JR

kg/m²

Length

6'

7'

8'

9'

10'

11'

12'

3.85	•	•	•	•	•	•	•
------	---	---	---	---	---	---	---

All sheets are 24g and 8 x 3" corrugations to cover 24" width

82

📞 01227 783333



MILD STEEL SHEET & PLATE

HOT ROLLED HR4

kg/m ²	Sheet Size (m)		
	2.0 x 1.0	2.5 x 1.25	3.0 x 1.5
1.60mm Thick			
12.56	•	•	
2.00mm Thick			
15.70	•	•	•
2.50mm Thick			
19.63	•	•	•



MILD STEEL SHEET & PLATE

HOT ROLLED S275JR

Sheet Size (m)	
0.95 x 0.78	7.76 x 0.17
5.0mm Thick	
	•
6.0mm Thick	
•	

MILD STEEL SHEET & PLATE

HOT ROLLED S355J2+N

Id 

kg/m ²	Sheet Size (m)					
	2.0 x 1.0	2.5 x 1.25	3.0 x 1.5	4.0 x 1.83	4.0 x 2.0	5.0 x 2.5

3mm Thick

23.55	•	•	•	•		
-------	---	---	---	---	--	--

4mm Thick

31.40	•	•	•	•		
-------	---	---	---	---	--	--

5mm Thick

39.25	•	•	•	•		
-------	---	---	---	---	--	--

6mm Thick

47.10	•	•	•	•		
-------	---	---	---	---	--	--

8mm Thick

62.80	•	•	•	•	•	•
-------	---	---	---	---	---	---

10mm Thick

78.50	•	•	•	•		
-------	---	---	---	---	--	--

12mm Thick

98.13	•	•	•		•	•
-------	---	---	---	--	---	---

15mm Thick

117.75	•	•	•		•	•
--------	---	---	---	--	---	---

20mm Thick

157.00	•	•	•			
--------	---	---	---	--	--	--

25mm Thick

196.25	•	•	•			
--------	---	---	---	--	--	--



MILD STEEL SHEET & PLATE

HOT ROLLED S355J2+N

kg/m²

Sheet Size (m)

2.0 x 1.0 2.5 x 1.25 3.0 x 1.5 4.0 x 1.83 4.0 x 2.0 5.0 x 2.5

30mm Thick

235.50						
--------	--	--	--	--	--	--



MILD STEEL SHEET & PLATE

S275

Sheet Size (m)

2.0 x 1.0

2.5 x 1.25

20mm Thick

--	--	--	--	--	--	--

30mm Thick

--	--	--	--	--	--	--

ASME SA516 60/161 430B

Sheet Size (m)

2.0 x 1.0

2.5 x 1.25

8mm Thick

--	--	--	--	--	--	--

25mm Thick

--	--	--	--	--	--	--

DURBAR & STAIR TREAD

FLOOR PLATES - DURBAR BS EN:10025



kg/m²

2.0 x 1.0

Sheet Size (m)

2.5 x 1.25

3.0 x 1.5

3mm Thick

27.48		.	.
-------	--	---	---

4.5mm Thick

39.25	.	.	.
-------	---	---	---

6mm Thick

51.03	.	.	.
-------	---	---	---

8mm Thick

66.73	.	.	.
-------	---	---	---

10mm Thick

82.43	.	.	.
-------	---	---	---

12.5mm Thick

102.50	.	.	.
--------	---	---	---

STAIR TREADS EX STOCK

Stock size - 4.5mm o/p thick - 1000mm wide, 265mm deep with 40mm turn up and 40mm turn down.

Stock no: 76-93-49

Other sizes and thicknesses manufactured to your instructions fast.

ParkerFasteners

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Anchor Fixings



Bolts & Set Screws



CE Structural Fixings



Cavity Fixings



Fixings Accessories



Nuts & Washers



Screws



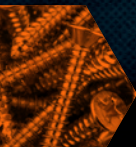
Studding



FIXINGS & FASTENERS

FOR WHEN YOU REALLY NEED
TO HOLD IT TOGETHER

01227 783 222



BRIGHT & ENGINEERING

Bright Round Bar	90
Black Alloy Round Bar	96
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BRIGHT ROUND BAR

METRIC



Lengths - 3.05 - 3.6m

Dia mm (d)	kg /m	080A15 EN3B	230M07 EN1A F/C	230M07 Pb EN1A Pb	212M15 EN8DM	080M40 / 080A42 EN8 / EN8D	605M36T EN16T	817M40T EN24T
3	0.055	•	•					
4	0.098	•	•	•				
5	0.154	•	•	•				
6	0.222	•	•	•				
8	0.395	•	•	•				
10	0.616	•	•	•		•		
11	0.746		•					
12	0.888	•	•	•		•	•	•
13	1.042		•					
14	1.208	•	•	•				
15	1.387	•	•	•				
16	1.578	•	•	•		•	•	•
17	1.782	•	•	•				
18	1.998	•	•	•				
19	2.226	•	•					
20	2.466	•	•	•	•	•	•	•
22	2.984	•	•	•		•		
24	3.551	•	•	•				
25	3.853	•	•	•		•	•	•
27	4.435		•					
28	4.834	•	•					
30	5.549	•	•	•	•	•	•	•



BRIGHT ROUND BAR

METRIC

Lengths - 3.05 - 3.6m

Dia mm (d)	kg /m	080A15 EN3B	230M07 EN1A F/C	230M07 Pb EN1A Pb	212M15 EN8DM	080M40 / 080A42 EN8 / EN8D	605M36T EN16T	817M40T EN24T
32	6.313	•	•	•				
34	7.127		•					
35	7.553	•	•	•		•	•	•
36	7.99	•	•					
38	8.903	•	•					
40	9.865	•	•	•	•	•	•	•
42	10.876	•	•					
45	12.485	•	•		•	•	•	•
48	14.21		•					
50	15.41	•	•	•	•	•	•	•
55	18.65	•	•			•		
60	22.2	•	•			•	•	•
65	26.05	•	•			•		•
70	30.21	•	•		•	•	•	•
75	34.68	•	•			•		•
80	39.46	•	•			•	•	
85	44.55	•	•		•	•		
90	49.94	•	•			•		
95	55.64	•	•			•		
100	61.65	•	•			•		•
105	67.97		•					
110	74.6	•	•					

BRIGHT ROUND BAR

METRIC



Lengths - 3.05 - 3.6m

Dia mm (d)	kg /m	080A15 EN3B	230M07 EN1A F/C	230M07 Pb EN1A Pb	212M15 EN8DM	080M40 / 080A42 EN8 / EN8D	605M36T EN16T	817M40T EN24T
115	81.54	•	•					
120	88.78	•	•					
125	96.33	•	•					
130	104.2	•	•					
140	120.8	•	•					
145	129.6		•					
150	138.7	•	•					
160	157.3	•						
165	167.9	•	•					
175	188.816		•					
180	199.8	•	•					
200	246.6	•	•					



BRIGHT ROUND BAR

IMPERIAL

Lengths - 3.05 - 3.6m

Dia mm (d)	kg /m	080A15 EN3B	230M07 EN1A F/C	230M07 Pb EN1A Pb	212A42 EN8DM	080M40/ 080A42 EN8/ EN8D	605M36T EN16T	817M40T EN24T
1/8"	0.062	•	•					
3/16"	0.14	•						
1/4"	0.249	•	•					
5/16"	0.389	•	•	•				
3/8"	0.56	•	•	•				
7/16"	0.761		•	•				
1/2"	0.944	•	•	•		•		
9/16"	1.26	•	•					
5/8"	1.55	•	•	•		•	•	
11/16"	1.87			•				
3/4"	2.24	•	•	•	•	•	•	•
7/8"	3.05	•	•	•	•		•	
15/16"	3.498			•				
1"	3.98	•	•	•	•	•	•	•
1 1/16"	4.49		•	•				
1 1/8"	5.04	•	•	•		•	•	
1 1/4"	6.22	•	•	•	•	•	•	•
1 3/8"	7.52	•	•	•				
1 1/2"	8.95	•	•	•	•	•	•	•
1 5/8"	10.15	•	•	•				
1 3/4"	12.18	•	•	•	•	•	•	•
1 7/8"	13.49		•	•				

BRIGHT ROUND BAR

IMPERIAL



Lengths - 3.05 - 3.6m

Dia mm (d)	kg /m	080A15 EN3B	230M07 EN1A F/C	230M07 Pb EN1A Pb	212A42 EN8DM	080M40/ 080A42 EN8/ EN8D	605M36T EN16T	817M40T EN24T
2"	15.91	•	•	•	•	•	•	•
2 1/8"	17.96		•	•				
2 1/4"	20.14	•	•	•	•	•		•
2 3/8"	22.44		•	•				
2 1/2"	24.8	•	•	•		•	•	•
2 3/4"	30.08		•	•		•		
3"	35.8	•	•	•		•	•	•
3 1/4"	42.01	•	•			•		
3 3/8"	42.27		•					
3 1/2"	48.73	•	•	•		•		
3 5/8"	52.269		•					
3 3/4"	55.94	•	•					
4"	63.69	•	•			•		
4 1/4"	71.85		•			•		
4 1/2"	80.55	•	•			•		
4 3/4"	89.747							
5"	99.44	•	•			•		
5 1/4"	109.6		•			•		
5 1/2"	120.3	•						
5 3/4"	131.151		•					
6"	143.2		•			•		
6 1/2"	168.024		•					



BRIGHT ROUND BAR

IMPERIAL

Lengths - 3.05 - 3.6m

Dia mm (d)	kg /m	080A15 EN3B	230M07 EN1A F/C	230M07 Pb EN1A Pb	212A42 EN8DM	080M40/ 080A42 EN8/ EN8D	605M36T EN16T	817M40T EN24T
6 3/4"	181.281		•					
7"	194.986		•					
8"	254.569	•	•					
8 1/2"	287.339							
9"	322.195	•	•					
10"	397.717	•						
11"	481.282	•						
12"	572.742	•						

BLACK ALLOY ROUND BAR

METRIC



817M40T
EN24T

Dia mm (d)	kg /m	5.8 - 6.0m	
		6.0 - 6.6m	
70	30.210		•
80	39.460		•
85	44.550		•
90	49.940		•
100	61.650		•
105	67.970		•
110	30.210	•	
120	88.780		•
150	138.700		•
160	157.300		•
200	246.600		•
220	298.400		•



BLACK CARBON ROUND BAR

METRIC

Dia mm (d)	kg /m	817M40T EN24T	
		5.8 - 6.0m	6.0 - 6.6m
110	74.6	•	•
115	81.54	•	•
120	88.78	•	•
125	96.33	•	•
130	104.2	•	
140	180.8		•
150	138.7		
160	157.3		•
170	178.2	•	
180	199.8	•	
200	246.6	•	•
220	298.4	•	
240	355.1	•	

BRIGHT FLAT BAR

METRIC



Height
mm
(d)

kg/m²

Length
3.05 - 3.6m
080A15 EN3B

Height
mm
(d)

kg/m²

Length
3.05 - 3.6m
080A15 EN3B

10mm Width

3	0.236	•
---	-------	---

12mm Width

3	0.283	•
6	0.565	•
10	0.942	•

16mm Width

3	0.377	•
5	0.628	•
6	0.754	•
10	1.260	•
12	1.150	•

20mm Width

3	0.471	•
5	0.785	•
6	0.942	•
8	1.260	•
10	1.510	•
12	1.880	•
16	2.510	•

25mm Width

3	0.589	•
5	0.981	•
6	1.180	•
8	1.570	•
10	1.960	•
12	2.360	•
16	3.140	•
20	3.930	•

30mm Width

3	0.754	•
5	1.260	•
6	1.413	•
8	1.884	•
10	2.360	•
12	2.830	•
16	3.768	•
20	4.720	•
25	5.888	•
6	1.650	•
10	2.750	•
20	5.500	•



BRIGHT FLAT BAR

METRIC

Height
mm
(d)

kg/m²

Length
3.05 - 3.6m
080A15 EN3B

Height
mm
(d)

kg/m²

Length
3.05 - 3.6m
080A15 EN3B

40mm Width

3	0.942	•
5	1.570	•
6	1.884	•
8	2.510	•
10	3.140	•
12	3.770	•
16	5.024	•
20	6.280	•
25	7.850	•
30		•

50mm Width

3	1.180	•
5	1.960	•
6	2.560	•
8	3.140	•
10	3.930	•
12	4.710	•
16	6.280	•
20	7.850	•
25	9.810	•
30	11.800	•
40	15.700	•

45mm Width

12	4.240	•
20	7.070	•

60mm Width

5	2.360	•
6	2.830	•
8	3.768	•
10	4.710	•
12	5.652	•
16	7.536	•
20	9.420	•
25	11.800	•
30	14.130	•
40	18.840	•

BRIGHT FLAT BAR

METRIC



Height
mm
(d)

kg/m²

Length
3.05 - 3.6m
080A15 EN3B

Height
mm
(d)

kg/m²

Length
3.05 - 3.6m
080A15 EN3B

65mm Width

10	5.100	•
12	6.120	•
16	8.160	•
20	10.200	•

70mm Width

5	2.750	•
6	3.300	•
10	5.500	•
12	6.594	•
16	8.792	•
20	11.000	•
25	13.740	•

75mm Width

8	4.710	•
10	5.890	•
12	7.070	•
20	11.810	•
25	14.710	•

80mm Width

6	3.770	•
10	6.280	•
12	7.540	•
16	10.000	•
20	12.600	•
25	15.700	•
30	18.800	•
40	25.100	•
50	31.400	•

90mm Width

6	4.420	•
10	7.070	•
12	8.480	•
20	14.100	•
25	17.700	•
30	21.200	•
50	35.330	•



BRIGHT FLAT BAR

METRIC

Height
mm
(d)

kg/m²

Length
3.05 - 3.6m
080A15 EN3B

Height
mm
(d)

kg/m²

Length
3.05 - 3.6m
080A15 EN3B

100mm Width

5	3.930	•
6	4.710	•
8	6.280	•
10	7.850	•
12	9.420	•
16	12.547	•
20	15.700	•
25	19.600	•
30	23.600	•
40	31.400	•
50	39.300	•

150mm Width

6	7.100	•
10	11.800	•
12	14.200	•
16	18.792	•
20	23.600	•
40	47.100	•

160mm Width

10	12.600	•
20	25.100	•
30	37.700	•

125mm Width

6	5.890	•
10	9.810	•
12	11.800	•
16	15.700	•
20	19.600	•
25	24.500	•
40	39.300	•
50	49.100	•

200mm Width

6	9.420	•
10	15.700	•
12	18.840	•
16	25.093	•
20	31.400	•
25	39.300	•

BRIGHT FLAT BAR

IMPERIAL



Height
mm
(d)

kg/m²

Length -
3.05 - 3.6m

080A15
EN3B

Height
mm
(d)

kg/m²

Length -
3.05 - 3.6m

080A15
EN3B

3/8 Width

1/4	0.475	•
-----	-------	---

1/2 Width

1/4	0.633	•
-----	-------	---

3/4 Width

1/8	0.474	•
1/4	0.947	•
1/2	1.900	•
5/8	2.370	•

1 Width

1/4	1.270	•
3/8	1.910	•
1/2	2.253	•
5/8	3.160	•
3/4	3.800	•

1 1/4 Width

1/4	1.580	•
3/8	2.370	•
1/2	3.160	•
5/8	3.940	•
3/4	4.750	•
1	6.330	•

1 1/2 Width

1/4	1.910	•
3/8	2.860	•
1/2	3.800	•
5/8	4.570	•
3/4	5.700	•
1	7.590	•
1 1/4	9.500	•

1 3/4 Width

1/2	4.440	•
-----	-------	---



BRIGHT FLAT BAR

IMPERIAL

Height
mm
(d)

kg/m²

Length -
3.05 - 3.6m
**080A15
EN3B**

Height
mm
(d)

kg/m²

Length -
3.05 - 3.6m
**080A15
EN3B**

2 Width

1/8	1.270	•
1/4	2.530	•
3/8	3.800	•
1/2	5.060	•
5/8	6.330	•
3/4	7.500	•
1	10.130	•
1 1/4	12.652	•
1 1/2	15.180	•

2 1/2 Width

1/4	3.160	•
1/2	6.330	•
1	12.650	•
1 1/4	15.820	•
1 1/2	18.980	•
2	25.300	•

3 Width

1/4	3.800	•
1/2	7.590	•
5/8	9.500	•
3/4	11.340	•
1	15.180	•
1 1/4	18.980	•
2	30.360	•

3 1/2 Width

3/4	13.300	•
1 1/2	26.560	•

4 Width

1/2	10.120	•
1	20.240	•
1 1/4	25.300	•
2	40.480	•
1 1/2	50.580	•
3	60.720	•

4 1/2 Width

1/2	11.400	•
-----	--------	---

BRIGHT FLAT BAR

IMPERIAL



Height
mm
(d)

kg/m²

Length -
3.05 - 3.6m

080A15
EN3B



5 Width

3/8	9.489	•
1/2	12.659	•
3/4	18.980	•
1 1/2	37.952	•
2	50.600	•

6 Width

1/4	7.590	•
3/8	11.390	•
1/2	15.180	•
3/4	22.770	•
2	60.720	•

8 Width

3/8	15.182	•
-----	--------	---

10 Width

3/8	18.974	•
3/4	37.952	•

12 Width

3/8	22.771	•
5/8	37.952	•

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Profile Designer - Shape Q11

Profile Dimensions

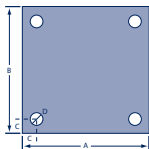
Dimension A: mm

Dimension B: mm

Dimension C: mm

Dimension D: mm

Keep Dimensions: ☐



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BRIGHT EQUAL ANGLE

METRIC



Thickness
mm
(t)

kg/m²

Length - 3.05 - 3.6m

080A15
EN3B

20 x 20

3	0.871	•
---	-------	---

25 x 25

3	1.110	•
5	1.766	•

32 x 32

4	2.130	•
5	2.441	•
6	2.756	•

40 x 40

4	2.420	•
5	2.944	•
6	3.520	•

50 x 50

6	4.470	•
---	-------	---



BRIGHT SQUARE BAR

METRIC

IMPERIAL

Size mm (d)	kg /m	Length 3.05 - 3.6m	
		080A15 EN3B	230M07 EN1A F/C
6	0.282	•	
8	0.502	•	
10	0.785	•	•
12	1.130	•	
16	2.010	•	
20	3.140	•	•
22	3.799	•	•
25	4.906	•	•
30	7.065	•	•
35	9.616	•	•
40	12.560	•	
45	15.900	•	
50	19.630	•	•
60	28.260	•	•
75	44.110	•	
90	63.517	•	
100	78.550	•	

Size mm	kg /m	Length 3.05 - 3.6m	
		080A15 EN3B	230M07 EN1A F/C
3/8"	0.713	•	
1/2"	1.270	•	•
5/8"	1.980	•	
3/4"	2.850	•	•
7/8"	3.870		•
1.1/8"	6.398	•	
1.1/4"	7.910	•	•
1.1/2"	11.400	•	•
2"	20.260	•	
2.1/4"	25.630	•	•
3"	45.540	•	
3.1/2"	61.980	•	
4"	80.960	•	
4.1/2"	102.446	•	

BRIGHT HEXAGONAL BAR

METRIC



Length - 3.05 - 3.6m

230M07Pb
EN1A

Size mm (d)	kg /m	
8	0.437	•
10	0.680	•
11	0.824	•
12	0.979	•
14	1.330	•
16	1.740	•
17	1.960	•
19	2.450	•
22	3.290	•
24	3.616	•
27	4.960	•
30	6.120	•
32	6.960	•
36	8.810	•

STUBS SILVER STEEL

STUBS is Europe's largest manufacturer of silver steel and one of the longest established. Their experience in tools and with tool steels dates back 200 years, over 100 of which have been spent in the silver steel business. Their reputation as European brand leader, with over 70% of sales outside our domestic market, is your guarantee of the highest standard of quality and service.

CHAMFERED ENDS PREVENTS SCRATCHING.

All ends of genuine STUBS silver steel are deburred. This protects other lengths from scratching and ensures safety in handling.

EXCEPTIONAL SURFACE FINISH ELIMINATES GRINDING OR POLISHING.

The exceptionally high surface finish of genuine STUBS silver steel can be utilised without the need for further expensive grinding or polishing.

TOLERANCES

	Min	Max
Carbon	1.10%	1.20%
Chromium	0.40%	0.50%
Manganese	0.30%	0.40%
Silicon	0.10%	0.25%
Sulphur	-	0.035%
Phosphorus	-	0.035%

STUBS SILVER STEEL

METRIC

Size mm	Length	
	333mm	2m
2 mm	•	
3 mm	•	
4 mm	•	
5 mm	•	•
6 mm	•	•
8 mm	•	
9 mm	•	
10 mm	•	•
12 mm	•	•
13 mm	•	
14 mm	•	
15 mm	•	•
16 mm	•	•
18 mm	•	
20 mm	•	•
25 mm	•	•
30 mm	•	•
35 mm	•	
40 mm	•	

IMPERIAL

Size mm	Length	
	333mm	2m
1/16"	•	
3/32"	•	
1/8"	•	•
5/32"	•	
3/16"	•	•
7/32"		•
1/4"	•	•
5/16"		•
3/8"	•	•
1/2"	•	•
5/8"	•	•
11/16"		•
3/4"	•	•
7/8"		•
1"	•	•
1 1/4"		•
1 1/2"		•

IMPERIAL ROUND BAR WEIGHT CHART

Dia	kg/m	Dia	kg/m	Dia	kg/m
1/8"	0.063	1 13/16"	13.052	6"	143.200
3/16"	0.140	1 7/8"	13.490	6 1/4"	155.363
1/4"	0.249	1 15/16"	14.927	6 1/2"	168.024
5/16"	0.389	2"	15.910	6 3/4"	181.281
3/8"	0.560	2 1/8"	17.960	7"	194.986
7/16"	0.761	2 1/4"	20.140	7 1/4"	209.137
1/2"	0.944	2 3/8"	22.440	7 1/2"	223.734
9/16"	1.260	2 1/2"	24.800	7 3/4"	238.779
5/8"	1.550	2 5/8"	27.400	8"	254.569
11/16"	1.870	2 3/4"	30.080	8 1/4"	270.656
3/4"	2.240	2 7/8"	32.880	8 1/2"	287.339
13/16"	2.620	3"	35.800	8 3/4"	304.469
7/8"	3.050	3 1/8"	38.814	9"	322.195
15/16"	3.498	3 1/4"	42.010	9 1/4"	340.368
1"	3.980	3 3/8"	42.270	9 1/2"	358.988
1 1/16"	4.490	3 1/2"	48.730	9 3/4"	378.203
1 1/8"	5.040	3 5/8"	52.269	10"	397.717
1 3/16"	5.610	3 3/4"	55.940	10 1/2"	438.024
1 1/4"	6.220	3 7/8"	59.732	11"	481.282
1 5/16"	6.846	4"	63.690	11 1/2"	525.297
1 3/8"	7.520	4 1/4"	71.850	12"	572.742
1 7/16"	8.220	4 1/2"	80.550	13"	671.437
1 1/2"	8.950	4 3/4"	89.747	14"	778.708
1 9/16"	9.704	5"	99.440	15"	839.925
1 5/8"	10.150	5 1/4"	109.600	16"	1017.088
1 11/16"	11.311	5 1/2"	120.300	18"	1287.252
1 3/4"	12.180	5 3/4"	131.515		

METRIC ROUND BAR WEIGHT CHART

Dia	kg/m	Dia	kg/m	Dia	kg/m
3	0.050	25	3.853	56	19.319
3.5	0.755	26	4.168	57	20.030
4	0.099	27	4.495	60	22.200
4.5	0.125	28	4.834	62	23.679
5	0.154	29	5.185	64	25.240
5.5	0.187	30	5.549	65	26.050
6	0.222	31	5.925	66	26.836
6.5	0.260	32	6.313	67	27.680
7	0.302	33	6.714	68	28.509
7.5	0.347	34	7.127	70	30.210
8	0.395	35	7.553	72	31.934
9	0.499	36	7.990	73	32.860
10	0.616	37	8.440	74	33.732
11	0.746	38	8.903	75	34.680
12	0.888	39	9.378	76	35.583
13	1.042	40	9.865	78	37.479
14	1.208	41	10.364	80	39.460
15	1.387	42	10.876	82	41.423
16	1.578	43	11.400	83	42.500
17	1.782	44	11.936	85	44.550
18	1.998	45	12.485	88	47.706
19	2.226	46	13.045	90	49.940
20	2.466	48	14.210	92	52.142
21	2.719	50	15.410	95	55.640
22	2.984	52	16.658	98	59.163
23	3.261	54	17.980	100	61.650
24	3.551	55	18.650	105	67.970

METRIC ROUND BAR WEIGHT CHART

Dia	kg/m	Dia	kg/m	Dia	kg/m
110	74.600	270	449.500	444.5	1218.330
115	81.540	280	483.400	457.2	1288.940
120	88.780	290	518.500	460	1304.780
125	96.330	300	554.900	463.8	1325.280
130	104.200	305	573.000	470	1362.120
135	112.400	310	592.300	479	1414.790
140	120.800	320	631.300	482.6	1436.140
145	129.600	330	672.000	500	1541.560
150	138.700	336.6	698.630	508	1591.290
155	148.100	344	729.690	514.4	1631.640
160	157.300	350	755.370	520	1667.350
165	167.900	355.6	779.730	533.4	1754.390
170	178.179	358	790.290	539	1791.430
180	199.800	360	799.150	555	1899.360
190	222.600	362	808.050	560	1933.730
195	234.400	368.3	836.420	570	2003.410
200	246.600	378	880.936	581	2081.490
205	259.100	381	895.100	584.2	2104.480
210	271.900	387.4	925.420	660	2686.020
215	285.000	393.7	955.770	670	2768.020
220	298.400	395	962.090		
230	326.200	406.4	1018.420		
235	340.500	407	1021.430		
240	355.100	412.8	1050.750		
250	385.200	429	1134.840		
255	400.900	431.8	1149.700		
260	416.800	444	1215.590		



IMPERIAL SQUARE BAR WEIGHT CHART

Width/Height	kg/m	Width/Height	kg/m
1/8"	0.790	2 1/2"	31.620
3/16"	0.178	2 3/4 "	8.260
1/4"	0.316	3"	45.540
5/16"	0.494	3 1/4"	53.435
3/8"	0.712	3 1/2"	61.980
7/16"	0.968	3 3/4"	71.142
1/2"	1.270	4"	80.960
5/8"	1.980	4 1/4"	91.380
3/4"	2.850	4 1/2"	102.446
7/8"	3.870	4 3/4"	114.143
1"	5.060	5"	126.470
1 1/8"	6.398	5 1/4"	139.440
1 1/4"	7.910	5 1/2"	153.036
1 3/8"	9.571	5 3/4"	167.262
1 1/2"	11.400	6"	182.125
1 5/8"	13.360	6 1/4"	197.618
1 3/4"	15.490	6 1/2"	213.743
2"	20.260	6 3/4"	230.501
2 1/4"	25.630	7"	247.891

METRIC SQUARE BAR WEIGHT CHART

Width/Height	kg/m	Width/Height	kg/m
3	0.710	30	7.065
4	0.125	32	8.038
5	0.197	35	9.616
6	0.282	36	10.162
7	0.384	38	11.340
8	0.502	40	12.560
9	0.637	41	13.183
10	0.785	42	13.833
11	0.949	45	15.900
12	1.130	46	16.592
13	1.326	48	18.069
14	1.536	50	19.630
15	1.766	55	23.750
16	2.010	60	28.260
18	2.540	65	33.170
19	2.832	70	38.370
20	3.140	75	44.110
22	3.799	80	50.187
24	4.518	85	56.657
25	4.906	90	63.517
28	6.154	100	78.550



STAINLESS STEEL

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Stainless steel Bars

BS EN 10088-3: 2005

Previously: partially supersedes BS EN 10277/10278

Stainless Steel Sheet & Plate

BS EN 10088-2: 2005

Previously: Partially supersedes BS 1449-2: 1983 (Amended)

Specifications

1995	Steel No.	Previous
X5CrNi18-10	1.4301	AISI 304
X5CrNiMo17-12-2	1.4404	AISI316

COLOUR GUIDE

	1995	Steel No.	Previous	Colour
1.	X8CrNiS19-9	1.4305	303S31	White
2.	X2CrNi18-9	1.4307	304S11	Yellow
3.	X5CrNi18-10	1.4301	304S15	Green
4.	X5CrNiMo17-12-2	1.4404	316S11	Orange
5.	X6CrNiTi18-10	1.4541	321S31	Magenta
6.	X12CrS13	1.4005	416S21	Red
7.	X17CrNi16-2	1.4057	431S29	Brown
8.	X105CrMo17	1.4125	440C	Blue



STAINLESS ROUND BAR

METRIC



Lengths - 3.0 - 3.2m

Dia mm (d)	kg /m	1.4305 303	1.4301 304	1.4307 304L	1.4404 316L	1.4005 416
3	0.058	•				
4	0.120	•				
5	0.161	•		•	•	
6	0.231	•			•	
8	0.411	•		•	•	•
9	0.499					•
10	0.643	•		•	•	
11.5	0.815					
12	0.926	•	•		•	
14	1.207	•				
15	1.386	•				
16	1.646	•	•		•	
18	1.996	•				
20	2.571	•		•	•	
25	4.018	•			•	
30	5.786	•				
35	7.875	•				

Lengths - 4.0 - 4.2m

Dia mm (d)	kg /m	1.4305 303	1.4301 304	1.4307 304L	1.4404 316L	1.4005 416
16	1.646			•		



STAINLESS ROUND BAR

IMPERIAL

Lengths - 3.0 - 3.2m

Dia mm (d)	kg /m	1.4305 303	1.4301 304	1.4307 304L	1.4404 316L	1.4005 416
1/8"	0.062	•				
3/16"	0.140	•			•	
1/4"	0.259	•		•	•	
5/16"	0.388	•				
3/8"	0.583	•			•	
7/16"	0.796					
1/2"	1.037	•		•	•	
9/16"	1.315					
5/8"	1.620	•		•	•	
11/16"	1.878					
3/4"	2.335	•		•	•	
7/8"	3.175	•			•	
1"	4.147	•		•	•	
1 1/8"	5.030					
1 1/4"	6.480	•				
1 1/2"	9.332	•				
1 5/8"	10.950					
1 3/4"	12.701				•	
2"	16.590					
2 1/8"	17.946				•	
2 1/4"	20.996					
2 3/8"	23.394	•				
2 1/2"	24.850	•				



STAINLESS ROUND BAR

IMPERIAL



Lengths - 3.0 - 3.2m

Dia mm (d)	kg /m	1.4305 303	1.4301 304	1.4307 304L	1.4404 316L	1.4005 416
2 3/4"	30.055				•	
3 1/4"	41.977	•				
3 1/2"	50.806					

Lengths - 4.0 - 4.4m

Dia mm (d)	kg /m	1.4305 303	1.4301 304	1.4307 304L	1.4404 316L	1.4005 416
1 3/4"	0.062				•	
2 3/4"	0.140				•	
3"	0.259				•	
3 1/2"	0.388				•	



STAINLESS FLAT BAR

METRIC

Height
mm
(d)

kg/m²

Length - 4.0 - 4.2m

1.4301
304



12mm Width

4.71	4.71	•
------	------	---

20mm Width

3	0.491	•
6	0.982	•

25mm Width

3	0.614	•
5	1.023	•
6	1.228	•

30mm Width

3	0.737	•
6	1.437	•

40mm Width

3	0.982	•
5	1.637	•
6	1.964	•
10	3.274	•



STAINLESS FLAT BAR

METRIC



Height
mm
(d)

kg/m²

Length - 4.0 - 4.2m

1.4301
304

50mm Width

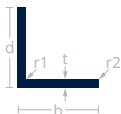
3	1.228	•
5	2.046	•
6	2.456	•
10	4.093	•
12	4.911	•

75mm Width

6	3.683	•
10	6.139	•
12	7.367	•

100mm Width

3	2.456	•
6	4.911	•
10	8.185	•
12	9.700	•



STAINLESS EQUAL ANGLE

METRIC

Thickness
mm
(t)

kg/m²

Length - 6.0 - 6.3m

1.4301
304

20 x 20mm

3	0.980	•
---	-------	---

25 x 25mm

3	1.200	•
6	6.620	•

30 x 30mm

5	4.450	•
---	-------	---

40 x 40mm

3	2.220	•
5	3.270	•
6	3.930	

50 x 50mm

3	2.540	•
5	4.090	•
6	4.910	•

60 x 60mm

6	5.900	•
---	-------	---

75 x 75mm

6	7.970	•
---	-------	---

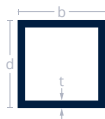
100 x 100mm

10	13.370	•
----	--------	---



STAINLESS SQUARE HOLLOW SECTION

METRIC



Wall Thickness
mm
(t)

kg/m²

Length - 6.0 - 6.3m

1.4301
304

20 x 20mm

1.5	0.909	•
-----	-------	---

25 x 25mm

1.5	1.167	•
2.0	1.700	•
3.0	2.320	•

30 x 30mm

1.5	1.400	•
3.0	2.660	•

40 x 40mm

1.5	1.891	•
3.0	3.634	•

50 x 50mm

2.0	3.500	•
3.0	4.616	•

80 x 80mm

3.0	7.563	•
-----	-------	---

Stainless Hollow Section is Polished on all 4 sides (180 - 240 Grit)



STAINLESS RECTANGULAR HOLLOW SECTION

METRIC

Wall Thickness
mm
(t)

kg/m²

Length - 6.0 - 6.3m

1.4301
304

50 x 25mm

1.5	1.768	•
-----	-------	---

80 x 40mm

3.0	5.599	•
-----	-------	---

100 x 50mm

3.0	7.072	•
-----	-------	---

Stainless Hollow Section is Polished on all 4 sides (180 - 240 Grit)



STAINLESS ORNAMENTAL TUBE

METRIC



SWG
mm
(t)

Length - 6.0 - 6.3m

1.4301

1.4404

42.4mm Diameter

2.0	•	•
2.6	•	•

48.3mm Diameter

2.0	•	
2.6		•

Tubes polished on the O/D DP - Dull polished



STAINLESS ORNAMENTAL TUBE

IMPERIAL

Length - 6.0 - 6.3m

SWG
mm
(t)

kg/m

304L

316L



1/2" Diameter

16	0.463	•	
----	-------	---	--

5/8" Diameter

16	0.596	•	
----	-------	---	--

3/4" Diameter

16	0.729	•	
----	-------	---	--

7/8" Diameter

16	0.861	•	•
----	-------	---	---

1" Diameter

16	0.994	•	•
----	-------	---	---

1.1/4" Diameter

16	1.360	•	
----	-------	---	--

1.1/2" Diameter

16	1.717	•	•
----	-------	---	---

2" Diameter

16	2.056	•	•
----	-------	---	---

Tubes polished on the O/D DP - Dull polished

PARKERTUBE STAINLESS HANDRAIL

METRIC



- Custom made heavy duty cardboard packaging
- The perfect fit for stainless steel handrail components
- Extra high quality brushed satin polish finish

Length - 6m

Wall Thickness
mm
(t)

304

316



42.4mm Diameter

2.0	•	•
2.6	•	•

48.3mm Diameter

2.0	•	•
2.6	•	•

CUT TO LENGTH

Save time and money with our cutting service.

SPECIFICATION

	Diameter (mm)	Cut Length (mm)
Minimum	10	10
Maximum	250	6,600

d

STAINLESS SHEET

METRIC

BRIGHT ANNEALED

Size mm (d)	kg/m	1 x 1	2.5 x 1.25
1.2	9.822	•	•
1.5	12.278	•	•

DP1 - DULL POLISHED ONE SIDE

Size mm (d)	kg/m	1.4301				1.4404	
		2 x 1	1 x 1	2.5 x 1.25	3 x 1.5	2 x 1	2.5 x 1.25
0.7	5.730			•			
0.9	7.367		•	•			•
1.2	9.822	•	•	•	•	•	•
1.5	12.278		•	•	•		•
2.0	16.370		•	•	•		
2.5	20.500	•	•	•			
3.5	24.670		•	•			

DP2 - DULL POLISHED BOTH SIDES

Size mm (d)	kg/m	2.5 x 1.25
0.9	7.367	•



STAINLESS SHEET



METRIC

2B - A SMOOTH UNIFORM MATT FINISH

Size mm (d)	kg/m	1.4301				1.4404	
		2 x 1	1 x 1	2.5 x 1.25	3 x 1.5	2 x 1	2.5 x 1.25
0.9	7.367	•	•	•			•
1.2	9.822	•	•	•			•
1.5	12.278		•	•	•	•	•
2.0	16.370		•	•	•		•
2.5	20.500			•			•
3.0	24.670		•	•			•

HR

Size mm (d)	1.4301		1.4307	1.4404	
	2.5 x 1.25	3 x 1.5	3 x 1.5	2.5 x 1.25	3 x 1.5
4.0	•	•		•	
5.0	•			•	
6.0	•			•	
8.0	•			•	
10.0	•	•		•	•
12.0	•				•
15.0		•	•		•
20.0		•	•		•
25.0		•	•		



d

STAINLESS PLATE

METRIC

Thickness mm (d)	kg/m	1.4301	1.4307	1.4404	
		2.5 x 1.25	3 x 1.5	2.5 x 1.25	3 x 1.5
5	41.6	•		•	
6	49.92	•		•	
8	66.56	•		•	
10	83.2	•		•	
12	99.84	•			•
15	124.8		•		•
20	166.08		•		•
25	207.5		•		

STAINLESS WELDMESH

METRIC

Sheet Size m	kg/m	Wire Gauge	1.4301	
			1" x 1"	2" x 2"
2.40 x 1.20	14.280	10	•	•



ALUMINIUM

Round Bar	134
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Equal Angle	139
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ALUMINIUM EXTRUSIONS

BS EN 755

BS EN 12020: 1-2:2001

SHEET & PLATE

BS EN 485: 1-4

BS EN 515: 1993

BS EN 573: 1-4

ALUMINIUM TREAD PLATE

BS EN 1386: 1997

COLOUR GUIDE

	1996/8	1987	Previous	Colour
1.	Ai SiMgMn	6082	HE30	Red
2.	Al CuBiPb	2011	FC 1	Orange
3.	Ai Mg0,7Si	6063	HE 9	Blue
4.	AlCu4SiMg	2014	HE15	Green
5.	AlMg1SiPb	6262	-	Pink
6.	AiZn5,5MgCu	7075	-	White

SPECIFICATION

	1995/2004	1987	Previous
1.	Ai 99,5	1050	S1B
2.	Al Mn1	3103	NS3
3.	Ai Mg2	5251	NS4
4.	Al Mg3	5754	Almag 3
5.	-	5083	NS8



ALUMINIUM ROUND BAR

IMPERIAL



Length - 3 - 4m

Diameter (d)	kg/m	6082T6 HE30T6t	AW2011 FC1	6262
1/4"	0.096	•		
5/16"	0.140	•		
3/8"	0.216	•		
1/2"	0.36		•	
5/8"	0.561	•	•	
3/4"	0.807	•	•	
7/8"	1.097	•	•	
1"	1.419	•	•	
1 1/4"	2.395	•	•	
1 3/8"	2.712	•		
1 1/2"	3.192	•	•	•
1 5/8"	3.747	•	•	
1 3/4"	4.392	•		
2"	5.674	•	•	•
2 1/4"	7.260	•	•	
2 1/2"	8.55	•		
2 3/4"	10.844		•	
3"	12.906		•	
3 1/4"	15.146		•	
3 1/2"	17.566	•	•	
3 3/4"	20.165	•	•	



ALUMINIUM ROUND BAR

IMPERIAL

Length - 3 - 4m

Diameter (d)	kg/m	6082T6 HE30T6t	AW2011 FC1	6262
4"	23.02		•	
4 1/4"	25.901	•	•	
8 1/2"	99.212	•		



ALUMINIUM SQUARE BAR

IMPERIAL

Length - 4m

Depth (d)	kg/m	6082T6 HE30T6
3/8"	0.274	•
1/2"	0.488	•
5/8"	0.762	•
3/4"	1.908	•
1"	1.952	•
1.1/4"	3.049	•
1.1/2"	4.391	•
2"	7.806	•
2.1/2"	12.198	•



ALUMINIUM FLAT BAR

IMPERIAL



Depth (d)	kg/m ²	4m		5m	6m
		6082T6 HE30T6	AW2014 HE15	6082T6 HE30T6	6082T6 HE30T6



1/2" Width

3/6	0.183	•			
-----	-------	---	--	--	--

3/4" Width

1/8	0.183	•			
1/4	0.366	•			
1/2	0.732	•		•	

1" Width

1/8	0.244	•			
3/16	0.327				•
1/4	0.435			•	
3/8	0.732	•			
1/2	0.976	•			
3/4	1.464	•			

1 1/4" Width

1/8	0.305	•			
1/4	0.545	•			
1/2	1.09	•		•	
3/4	1.830	•			



ALUMINIUM FLAT BAR

IMPERIAL

Depth (d)	kg/m ²	4m		5m		6m	
		6082T6 HE30T6	AW2014 HE15	6082T6 HE30T6	6082T6 HE30T6	6082T6 HE30T6	6082T6 HE30T6



1 1/2" Width

1/8	0.366	•			
3/16	0.550	•			
1/4	0.655			•	
3/8	1.098	•			
1/2	1.464	•			
1	2.623	•			

1 3/4" Width

1 1/4	3.825	•			
-------	-------	---	--	--	--

2" Width

1/4	0.976	•		•	
1/8	0.488	•			
3/8	1.464	•			
3/4	2.927	•			

2 1/2" Width

1/2	2.440	•			
3/4	3.281		•		
1 1/2	6.630	•			



ALUMINIUM FLAT BAR

IMPERIAL



Depth (d)	kg/m ²	4m	5m	6m
		6082T6 HE30T6	AW2014 HE15 6082T6 HE30T6	6082T6 HE30T6



3" Width

1/8	0.732	•		•	
1/4	1.464	•			
3/8	2.196	•			
1/2	2.927	•			
3/4	4.394	•			
1	5.245	•			

4" Width

1/8	0.976	•			
1/4	1.952	•			
3/8	2.927	•			
1/2	3.903	•		•	
1	6.977			•	

6" Width

1/4	2.615	•		•	
-----	-------	---	--	---	--



ALUMINIUM EQUAL ANGLE

IMPERIAL

Length - 5m

Thickness
(t)

kg/m²

6082T6
HE30T6

1/2 x 1/2

1/8	0.213	•
-----	-------	---

5/8 x 5/8

1/8	0.274	•
-----	-------	---

3/4 x 3/4

1/16	0.177	•
1/8	0.335	•

1 x 1

1/16	0.238	•
1/8	0.457	•
3/16	0.665	•
1/4	0.854	•

1 1/4 x 1 1/4

1/8	0.579	•
3/16	0.848	•
1/4	1.098	•

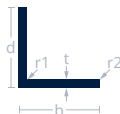
1 1/2 x 1 1/2

1/8	0.701	•
1/4	1.342	•
3/16	1.032	•



ALUMINIUM EQUAL ANGLE

IMPERIAL



Length - 5m

6082T6
HE30T6

Thickness
(t)

kg/m²

1 3/4 x 1 3/4

1/4	1.586	•
-----	-------	---

2 x 2

1/8	0.945	•
3/16	1.399	•
1/4	1.830	•

2 1/2 x 2 1/2

1/4	2.318	•
-----	-------	---

3 x 3

1/8	1.433	•
1/4	2.805	•

4 x 4

1/4	3.871	•
-----	-------	---



ALUMINIUM UNEQUAL ANGLE

IMPERIAL

Length - 5m

6082T6

HE30T6

Thickness
(t)

kg/m²

3/4 x 1/2

1/8	0.274	•
-----	-------	---

1 x 1/2

1/8	0.335	•
-----	-------	---

1 x 3/4

1/8	0.396	•
-----	-------	---

1 1/2 x 3/4

1/8	0.518	•
1/8	0.579	•

2 x 1

1/8	0.701	•
1/4	1.342	•

3 x 2

1/4	2.318	•
-----	-------	---

4 x 2

1/4	2.805	•
-----	-------	---



ALUMINIUM CHANNEL

IMPERIAL



Length - 5m

Thickness
(t)

kg/m²

6082T6
HE30T6

3/4 x 3/4

1/8	0.549	•
-----	-------	---

1 x 1

1/8	0.732	•
-----	-------	---

1 1/2 x 1 1/2

1/8	0.929	•
-----	-------	---

2 x 1

1/8	0.976	•
-----	-------	---

2 x 2

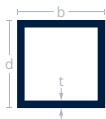
1/4	2.927	•
-----	-------	---

3 x 2

1/4	3.415	•
-----	-------	---

4 x 2

1/4	3.903	•
-----	-------	---



ALUMINIUM SQUARE HOLLOW SECTION

IMPERIAL

Length - 5m

SWG

kg/m²

6063T6
HE9

6082T6
HE30T6

3/4 x 3/4

16	0.98		•
----	------	--	---

1 x 1

16	0.468	•	
----	-------	---	--

1 1/2 x 1 1/2

16	0.718		•
----	-------	--	---

1 x 1

10	0.871		•
----	-------	--	---

1 1/4 x 1 1/4

10	1.121		•
----	-------	--	---

1 1/2 x 1 1/2

10	1.371		•
----	-------	--	---

2 x 1

10	1.371		•
----	-------	--	---

3 x 3

10	2.870		•
----	-------	--	---

4 x 4

10	3.444		•
----	-------	--	---



ALUMINIUM RECTANGULAR HOLLOW SECTION

IMPERIAL



Length - 5m

SWG

kg/m²

6063T6
HE9

6082T6
HE30T6



2 x 1

10	1.371		•
----	-------	--	---

4 x 2

10	2.870		•
----	-------	--	---



ALUMINIUM ROUND TUBE

IMPERIAL

Length - 5m

SWG

kg/m²

6063T6
HE9

6082T6
HE30T6

1/2" Diameter

16	0.153		•
----	-------	--	---

3/4" Diameter

16	0.269	•	
----	-------	---	--

1" Diameter

16	0.360	•	•
----	-------	---	---

2" Diameter

16	0.760	•	
----	-------	---	--

3" Diameter

16	1.051		•
----	-------	--	---

1" Diameter

10	0.684	•	
----	-------	---	--

1 1/4" Diameter

10	0.803	•	
----	-------	---	--

1 1/2" Diameter

10	1.077	•	
----	-------	---	--

2" Diameter

10	1.469	•	
----	-------	---	--

3" Diameter

10	2.254	•	
----	-------	---	--



ALUMINIUM ROUND TUBE

IMPERIAL



Length - 6m

SWG

6063T6
HE9

6082T6
HE30T6



1 1/4" Diameter

16		
----	--	--

1 29/32 Diameter

7		
---	--	--

ALUMINIUM SHEET

METRIC



kg/m²

AW-1050A-H14 S1B-H14

2 x 1

2.5 x 1.25

3 x 1.5

0.6mm Thick

1.650			
-------	--	--	--

0.8mm Thick

2.200			
-------	--	--	--

1mm Thick

2.750			
-------	--	--	--

ALUMINIUM SHEET

METRIC

d

kg/m²

AW-1050A-H14 S1B-H14

2 x 1

2.5 x 1.25

3 x 1.5

1.2mm Thick

3.300	•	•	•
3.300		P	

1.5mm Thick

4.125	•	•	•
4.125	P	P	

2mm Thick

5.500	•	•	•
5.500		P	P

2.5mm Thick

6.875		•	
-------	--	---	--

3mm Thick

8.250	•	•	•
8.250	P	P	P

5mm Thick

13.750		•	
--------	--	---	--

6mm Thick

17.000	•	•	
--------	---	---	--

P = PVC coated



ALUMINIUM SHEET

METRIC



kg/m²

AW-3103-H14 NS3-H14

3 x 1.5

8mm Thick

22.5	•
------	---

10mm Thick

28.1	•
------	---

12mm Thick

33.72	•
-------	---

15mm Thick

42.15	•
-------	---

20mm Thick

56.2	•
------	---

25mm Thick

70.25	•
-------	---

ALUMINIUM SHEET

METRIC



kg/m²

AW-5251-H22 NS4-H22

2.5 x 1.25

4mm Thick

11	•
----	---



ALUMINIUM 5 BAR TREAD PLATE

METRIC

kg/m²

EN AW 574 H114

2 x 1

2.5 x 1.25

3 x 1.5

4 x 2

2mm Thickness

6.816	•	•	•	
-------	---	---	---	--

3mm Thickness

9.811	•	•	•	•
-------	---	---	---	---

4.5mm Thickness

14.112	•	•	•	•
--------	---	---	---	---

6mm Thickness

19.131	•	•	•	•
--------	---	---	---	---

8mm Thickness

23.858	•	•	•	
--------	---	---	---	--

9.5mm Thickness

28.153		•		
--------	--	---	--	--



ALUMINIUM 5 BAR TREAD PLATE

IMPERIAL

Length
m

Size
(t)

2024
2 x 1

5	7/8"	•
---	------	---

FLOORING & MESH

Weldmesh	152
Mild Steel Edge Section	155
Expanded Metal Flattened Mesh	156
Conventional Mesh	157
Walkway Mesh	158
Open Mesh Flooring & Stair Tread	158
Mesh Flooring Grating Clip	160
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We stock a large selection of Welded wire mesh – available as self colour or galvanised in Sheets or Rolls

Expanded Metal Sheets and Walkways (BS 405 : 1987)

Open Mesh Flooring and Stair Treads

We will be pleased to quote for special sizes and non stock items normally available on short delivery





WELDMESH

SELF COLOUR

Mesh Size	Wire Gauge	kg/Sheet	Sheet Size 4' x 8'
1" x 1"	12g	8.73	•
2" x 1"	12g	6.58	•
2" x 2"	12g	4.43	•
3" x 1/2"	12g	10.16	•
1" x 1"	10g	13.98	•
1½" x 1½"	10g	9.40	•
2" x 2"	10g	7.10	•
3" x 1"	10g	9.39	•
4" x 4"	10g	3.65	•
2" x 2"	8g	11.54	•
2" x 2"	6g	16.3	•
3" x 3"	6g	11.07	•

WELDMESH

SELF COLOUR

Mesh Size	Wire Gauge	kg/Sheet	Sheet Size 6' x 12'
1" x 1"	10g	31.29	•
2" x 1"	10g	23.55	•
2" x 2"	10g	15.80	•
3" x 3"	10g	10.65	•
2" x 2"	8g	25.69	•

Mesh Size	Wire Gauge	kg/Sheet	Sheet Size 6' x 4'
1" x 1"	12g	6.56	•
2" x 2"	12g	3.33	•
1" x 1"	10g	10.50	•
2" x 2"	10g	5.34	•
2" x 2"	8g	8.68	•



WELDMESH

GALVANISED

Mesh Size	Wire Gauge	kg/Sheet	Sheet Size 4' x 8'
½" x ½"	x 16g	7.68	•
1" x 1"	x 12g	8.73	•
2" x 2"	x 12g	4.43	•
1" x 1"	x 10g	13.98	•
2" x 1"	x 10g	10.54	•
2" x 2"	x 10g	7.10	•
3" x 1"	x 10g	9.39	•
2" x 2"	x 8g	11.54	•

Mesh Size	Wire Gauge	kg/Sheet	Sheet Size 4' x 8'
1" x 1"	x 12g	19.53	•
1" x 1"	x 10g	31.29	•
2" x 2"	x 10g	15.80	•
2" x 2"	x 8g	25.69	•

Mesh Size	Wire Gauge	kg/Sheet	Sheet Size 4' x 8'
1" x 1"	x 12g	6.56	•
1" x 1"	x 10g	10.50	•
2" x 2"	x 10g	5.34	•

MILD STEEL EDGE SECTION

Ref. No.	Size	Thick	Gap	Length	kg/m ²
PSUF3	12.70	0.90	1.78	2540	0.19
PSUF4	19.05	1.20	1.78	3810	0.39
PSUF5	31.75	1.20	1.78	3810	0.64
PSUF6	12.70	0.90	3.30	2540	0.19
PSUF7	19.05	1.20	3.30	3810	0.39
PSUF9	19.05	1.20	5.08	3810	0.39
PSUF10	31.75	1.20	5.08	3810	0.64
PSUF12	25.40	1.50	10.16	3810	0.55

PSUF3

PSUF4

PSUF5

PSUF6

PSUF7



PSUF8

PSUF9

PSUF10

PSUF12



Suitable for framing:

Flattened mesh up to and including 1.58mm

Conventional mesh up to and including 3.18mm

Conventional mesh strand widths of 2.39mm or under

Specifications:

Expanded Metal Sheets to BS 405 : 1987

Walkway Gratings to BS 4592 : Part 1 : 1995

Standard:

Expanded Metal Walkway gratings comply with BS 4592 : Part 1 : 1995

EXPANDED METAL FLATTENED MESH

Ref. No.	Approx Sheet Size (mm)	kg/ m ²	Aperture		Strand	
			LW	SW	W	T
PS1279F	2440 x 1220	6.27	14.22	4.83	1.85	0.96
PS2073F	2440 x 1220	8.59	42.93	14.22	4.60	2.69

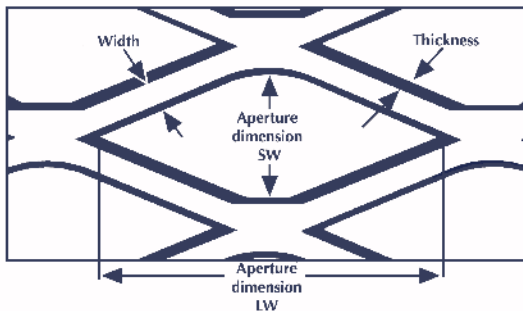


PS1279F



PS2073F

Flattened meshes dimensions of the aperture point to point are shown.



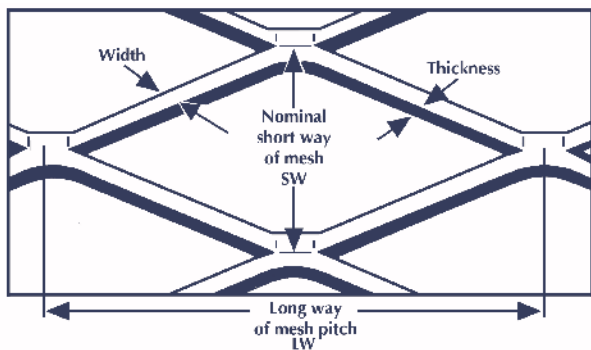
CONVENTIONAL MESH

Ref. No.	Approx Sheet Size (mm)	kg/m ²	Aperture		Strand	
			LW	SW	W	T
PS0798	2500 x 1250	3.59	19.05	7.43	1.702	1.00



PS0798

For conventional meshes with angled strands dimensions from centre to centre of knuckles are shown.



WALKWAY MESH

Ref. No.	Approx Sheet Size (mm)	kg/m ²	Aperture		Strand	
			LW	SW	W	T
PSWK 4897	2440 x 1220	17.18	79.40	22.20	7.90	4.70
PSWK 4896	2440 x 1220	13.82	79.40	23.80	6.35	4.70
PSWK 2496	2440 x 1220	17.69	44.50	12.70	6.10	4.50



1) PSWK4897



2) PSWK4896



3) PSWK2496

OPEN MESH STEEL FLOORING & STAIR TREAD

W100

Size (mm)	kg/panel	Self Colour
25 x 3	106.00	•
25 x 5	158.52	•
30 x 3	123.00	•
40 x 3	158.00	•

Size (mm)	kg/panel	Galvanised
25 x 3	105.64	•
25 x 5	165.00	•

OPEN MESH STEEL FLOORING & STAIR TREAD

W100

Open steel flooring is manufactured from mild steel to BS EN 10025 Fe430A and constructed by a forge welding process in which the load bearing and transverse bars are heated and joined under pressure.

STANDARD RANGE

Load bearing bars available at 30 or 41mm centres and twisted transverse bars at 50 or 100mm centres. Stock panels are nominally 6,000mm span x 1,000mm wide.

TYPE W100 (41/100)

Bearing bars at 41mm centres
Transverse bars at 100mm centres

TYPE W50 (41/50)

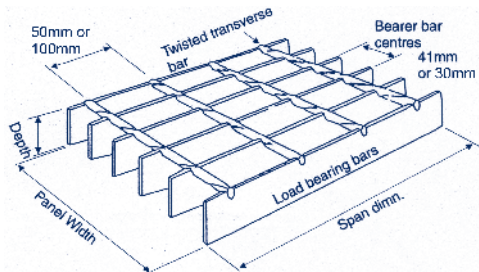
Bearing bars at 41mm centres
Transverse bars at 50mm centres

TYPE N100 (30/100)

Bearing bars at 30mm centres
Transverse bars at 100mm centres

TYPE N50 (30/50)

Bearing bars at 30mm centres
Transverse bars at 50mm centres



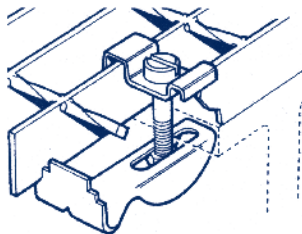
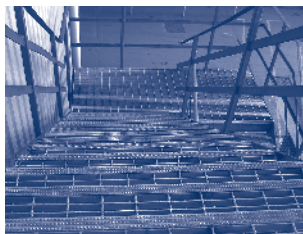
MESH FLOORING GRATING CLIP

Size
(mm)

Stock No,

40 - 41 (M8)

•

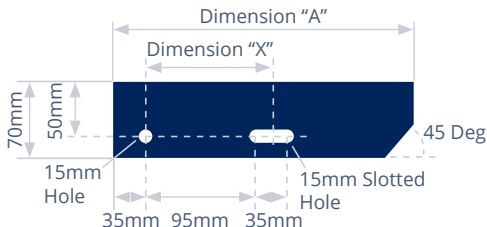


OPEN MESH STAIR TREADS

Open steel stairtreads fabricated from flooring, made to BS 4592-1:1995. Slotted end plates and slip resistant pyramid nosing supplied as standard. Standard size - 25mm x 5mm load bearing bars, 41/100 pitch, 800mm length, 242mm width.

Stringer Drilling Dimensions

Tread Width Dimension "A"	Stringer Drill CRS Dimension "X"
242	100
283	125
In accordance with BS.4592 Part 1	



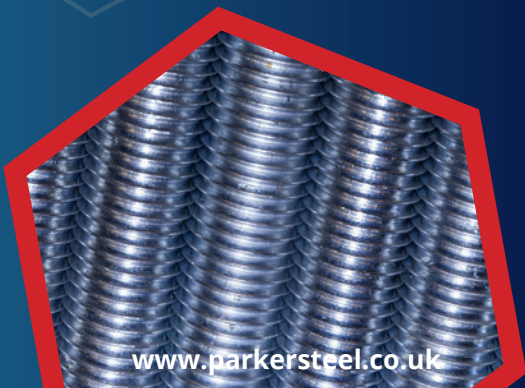
Size (mm)	kg/panel	Galvanised
800 x 242 x 25 x 5	5.15	•

To BS 4592: Part 1: 1995

FIXINGS & FASTENERS

High Strength Friction Grip Bolts	164
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HIGH STRENGTH FRICTION GRIP - PRELOADED BOLTS

BOLT, NUT, WASHER, LOAD INDICATOR + 3.1 TEST CERT

Assembly Self colour

mm	M16	M20	M24	M30
50	•	•		
55	•	•		
60	•	•	•	
65		•	•	
70	•	•	•	
75		•	•	
80	•	•	•	•
85		•	•	
90	•	•	•	•
100	•	•	•	•
110		•	•	•
120			•	•
130		•	•	•
140			•	•
150		•	•	

Assembly Galvanised

mm	M16	M20	M24	M30
50	•			
55	•			
60	•	•	•	
65	•	•	•	
70	•	•	•	
75	•	•	•	
80	•	•	•	
85			•	
90	•	•	•	•
100		•	•	•
110			•	•
120		•	•	•
130		•		•
140		•	•	
150				•



24/7 INSTANT TEST CERTS

Fully CE certified fixings & fasteners available



HUGE RANGE

Over 10,000 items in stock ready for next day delivery



LOW TRADE PRICES

Prices constantly checked to remain competitive



BULK DISCOUNTS

Talk to the team about ordering in bulk



CE STRUCTURAL BOLT ASSEMBLY BS EN 15048

GRADE 8.8SB

BZP CE ASSEMBLED + 3.1 CERTS

Length	M12	M16	M20	M24	M30	M36
25	•					
30	•	•				
35	•	•				
40	•	•	•			
45	•	•	•			
50	•	•	•	•		
55	•	•	•			
60	•	•	•	•		
65	•	•	•	•		
70	•	•	•	•		
75	•	•	•	•	•	
80	•	•	•	•	•	
90	•	•	•	•	•	
100	•	•	•	•	•	•
110	•			•	•	
120	•	•	•	•	•	
130	•	•	•		•	•
140		•	•	•		•
150	•	•	•	•	•	•
160		•	•	•	•	•
180	•	•	•	•	•	
200	•	•	•	•	•	
220	•	•	•	•	•	
240	•	•	•	•	•	
250	•		•			
260	•	•	•	•	•	
280	•					
300		•	•	•		

GALV CE ASSEMBLED + 3.1 CERTS

Length	M12	M16	M20	M24	M30	M36
25	•					
30	•	•				
35	•	•				
40	•	•	•			
45	•	•	•			
50	•	•	•			
55	•	•	•			
60	•	•	•	•		
65		•	•	•		
70	•	•	•	•	•	
75		•	•	•	•	
80	•	•	•	•	•	
90	•	•	•	•	•	•
100	•	•	•	•	•	•
110		•		•	•	•
120	•	•	•	•	•	•
130		•	•	•		
140	•	•	•			•
150	•	•	•	•	•	•
160		•	•	•		
180	•	•	•	•	•	
200	•	•	•	•	•	•
220	•	•	•	•	•	
240	•	•	•	•		
250	•	•	•	•	•	
260	•	•	•	•	•	
280		•	•			
300	•	•	•	•	•	



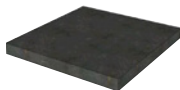
HOLDING DOWN BOLTS

BS 7419 - 8.8 GRADE + 3.1 TEST CERTS

Self Colour				
mm	M16	M20	M24	M30
250	•	•		
300	•	•	•	
325			•	
350	•	•	•	•
375	•	•	•	
400	•	•	•	
450	•	•	•	•
500	•	•	•	•
525		•	•	
550		•	•	•
600	•	•	•	•
700		•	•	•
750		•	•	•
800		•	•	•

Galvanised				
mm	M16	M20	M24	M30
300	•	•	•	
325		•		
350		•	•	•
375	•	•	•	
400		•	•	
425		•		
450	•	•	•	•
500		•	•	•
525			•	
550		•		
600		•	•	•
750				•

PACKING PLATES



Self Colour		
Thickness mm	80 x 80mm	100 x 100mm
3	•	•
6	•	•
8	•	•
10	•	•
12	•	•



SQUARE PLATE WASHERS

Self Colour					
Size mm	M16	M20	M24	M30	M36
100 x 100 x 10	•	•	•	•	•
100 x 100 x 12	•	•	•	•	
100 x 100 x 15	•	•	•	•	•
100 x 100 x 20		•	•		
120 x 120 x 10		•	•	•	
120 x 120 x 12		•	•	•	
120 x 120 x 15		•	•	•	
120 x 120 x 20	•	•	•	•	
150 x 150 x 10		•	•	•	
150 x 150 x 12		•	•	•	
150 x 150 x 15		•	•	•	

Also available in galvanised



WEDGES



WAX CONES

Self Colour	
Thickness mm	200 x 200mm
25-45	•
50-65	•

Wax Cones	
Height mm	To Suit mm
229	300
305	375
381	450
457	525
534	600
610	750



HOT DIPPED

THROUGH BOLTS

ZINC & CLEAR PLATED

THROUGH BOLTS

Galv					
MM	M8	M10	M12	M16	M20
50	•				
60		•			
70		•			
75	•				
85		•	•		
95	•				
100			•		
105		•			
110				•	
115			•		
120	•				
125		•		•	
145			•		
150				•	
170					•
180			•		
200				•	
220					•
280					•

BZP								
MM	M6	M8	M10	M12	M16	M20	M24	
45	•							
50		•						
55	•							
65		•						
75			•					
80		•		•				
85	•							
90			•					
100		•	•	•				
105					•			
120			•	•				
125					•	•		
130		•	•					
140				•				
150			•	•	•			
160						•		
175			•					
180				•	•		•	
200						•		
220					•	•		
260							•	
300						•		



A4 -316 Grade and Zinc Plated ETA Option 7 also available
www.parkertools.co.uk/Class/FIX/ANC/Anchors



BZP SETSCREWS

HIGH TENSILE 8.8 GRADE - DIN933

MM	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24	M30
6	•										
8		•									
10	•	•	•	•							
12	•	•	•	•	•						
16	•	•	•	•	•	•					
20	•	•	•	•	•	•					
25	•	•	•	•	•	•	•	•			
30	•	•	•	•	•	•	•	•	•		
35	•	•	•	•	•	•	•	•			
40	•	•	•	•	•	•	•	•	•	•	
45			•	•	•	•	•	•	•	•	
50	•	•	•	•	•	•	•	•	•	•	
55			•	•	•	•	•	•	•	•	
60		•	•	•	•	•	•	•	•	•	•
65			•	•	•	•	•	•	•	•	•
70			•	•	•	•	•	•	•	•	•
75			•	•	•	•	•	•	•	•	•
80			•	•	•	•	•	•	•	•	•
90			•	•	•	•		•	•	•	•
100			•	•	•	•	•	•	•	•	•
110							•	•		•	
120				•	•	•	•	•	•	•	•
130								•	•		
140				•	•	•		•			
150				•	•	•	•	•	•		
160									•		•
180							•				
200						•					

Larger sizes available

BZP COUNTERSUNK

SOCKET SCREWS - DIN7991



MM	M5	M6	M8	M10	M12	M16	M20
12	•	•	•				
16	•	•	•	•			
20	•	•	•	•	•		
25	•	•	•	•	•	•	
30	•	•	•	•	•	•	
35	•	•	•	•	•	•	•
40		•	•	•	•	•	•
45		•	•	•	•	•	•
50		•	•	•	•	•	•
55					•	•	•
60		•	•	•	•	•	•
65				•	•		•
70		•	•	•	•	•	•
75				•	•	•	•
80		•	•	•	•	•	•
90			•		•	•	•
100			•	•	•	•	•
110					•	•	
120		•		•	•	•	

Visit www.parkertools.co.uk for our full range of products & sizes.



Anchor Fixings



Fixings Accessories



Bolts & Set Screws



Nuts & Washers



CE Structural Fixings



Screws



Cavity Fixings



Studding



BZP NUTS & WASHERS



Hex Full Nut



Nyloc Nut



Half Nut



Domed Nut



Wingnut

	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M30
Hex Full Nut Grade 8 DIN934	•	•	•	•	•	•	•	•	•	•	•	•
Hex Full Nut Grade 10 DIN934					•	•		•		•	•	•
Nyloc Nut Type P Grade 8 DIN982	•	•	•	•	•	•	•	•	•	•	•	
Nyloc Nut Type T Grade 8 DIN985	•	•	•	•	•	•	•	•	•	•	•	•
Half Nuts Grade 4 - DIN439		•	•	•	•	•	•	•		•	•	•
Domed Nuts Class 6 - 1587			•	•	•	•		•		•		
Wingnut ANSI B18.17	•	•	•	•	•	•		•				



Form A - Form B



Form C



Square Spring



Rect Spring



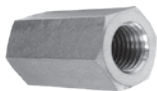
Plate Washer

	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24
Washer Form A DIN125A	•	•	•	•	•	•	•	•	•	•
Washer Form B BS4320			•	•	•	•		•	•	•
Washer Form C BS4320		•	•	•	•	•	•	•	•	•
Square Spring Type A - BS4464	•	•	•	•	•	•	•	•	•	•
Rectangular Spring Type B BS4464			•	•	•	•	•	•	•	•
Plate Washer 50 x 50 x 3mm					•	•		•	•	



STUDDING

Size	BZP				Stainless				Galv				Self Colour			
	4.8 Grade		8.8 Grade		304 Grade		316 Grade		4.8 Grade		8.8 Grade		4.8 Grade		8.8 Grade	
	1m	3m	1m	3m	1m	3m	1m	3m	1m	3m	1m	3m	1m	3m	1m	3m
M4					•		•									
M5					•		•							•		
M6	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
M8	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
M10	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
M12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
M14	•		•		•		•		•		•		•			
M16	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
M18	•		•	•		•										
M20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M22											•	•				
M24	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M27									•		•		•			
M30	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•



CONNECTOR

Size	BZP
M6 x 18	•
M8 x 24	•
M10 x 30	•
M12 x 36	•

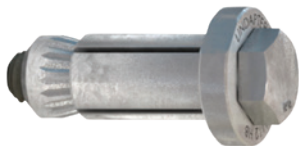
Size	BZP
M16 x 48	•
M20 x 60	•
M24 x 72	•
M30 x 90	•

lindapter®

Hollo-Bolt®

Type HBFF - Flush Fit JS500

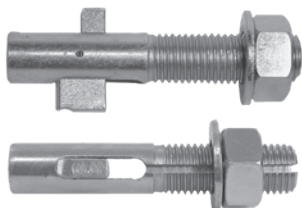
mm	M8	M10	M12
50	•	•	
55			•
70	•	•	
80			•
90	•	•	
100			•


Type HB - Hex BZP + JS500 HDG CSK

mm	M8	M10	M12	M16	M20
55		•			
60			•		
70	•	•			
75				•	
80			•		
90	•	•			•
100			•	•	
120				•	•
150					•

Geomet 10.9 Grade

mm	M8	M10	M12	M16	M20
50	•				
60		•			
70			•		
90				•	
110					•
120			•		
130		•		•	
140					•
180			•	•	•
250					•

BLINDBOLT


PROCESSING SERVICES

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LASER PROCESSING

FLAT PRODUCT PROCESSING



Machine Specification

Size

Max. Length	4000mm
Max. Width	2000mm
Produced Part Dimensions - Internal & External	+/- 0.2mm
Produced Part Positional Accuracy of Marking / Between Holes	+/- 0.2mm
Mild Steel	25mm
Stainless Steel	40mm
Aluminium	25mm
Copper	10mm
Brass	10mm

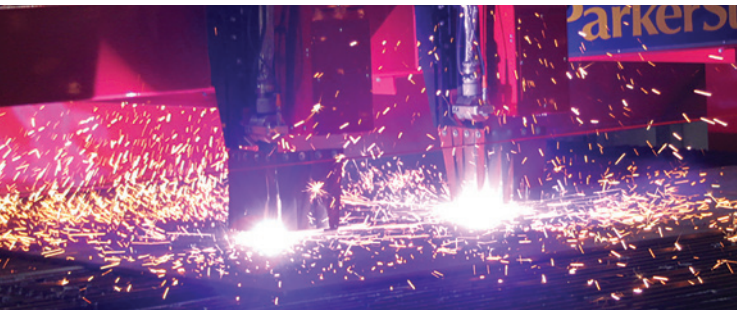
Machine Accuracy

Tolerance

General Tolerance on Cut Items	From ± 0.3 mm depending on material type & thickness
Positional Repeatability	± 0.1 mm / per linear metre
Positional Accuracy	± 0.1 mm / per linear metre
Minimum Aperture	Typically from 40% of material thickness
Finish Quality	Dependent on material thickness

PLASMA PROCESSING

FLAT PRODUCT PROCESSING



Machine Specification

Size

Max. Length	18200mm
Max. Width	5000mm
Min. Thickness	6mm
Max. Thickness	80mm
Produced Part Dimensions - Internal & External	+/- 2mm
Produced Part Positional Accuracy of Marking / Between Holes	+/- 2mm

FEATURES & BENEFITS

- 8x 400Amp cutting heads
- 500 Tonnes of fittings per week
- 25,000 Fittings per week
- Etching capability
- Hard Stamping

PROFILE DRILLING

FLAT PRODUCT PROCESSING



Cutting Spec	Size
Max. Drilled Hole Dia	32mm
Max. Plate Thickness	80mm
Plasma	5mm - 30mm
Profile	20mm - 80mm
Plate Cutting	5-80mm thick
Drilling	6-32mm dia
Helical Milling	240mm dia
Helical Tapping	240mm dia
Countersinking	6-32mm dia
Counter-boring	240mm dia
Tap	M14 - M40
Scribing	12 characters

PROFILE DRILLING

FLAT PRODUCT PROCESSING

Machine Spec

Size

Max. Length	12m
Max. Width	2.5m

Machine Accuracy

Tolerance

Dimensional Tolerances	+/- 2mm
Positional Tolerances	+/- 0.1mm

TOLERANCES FOR LENGTHS & WIDTHS

Material Thickness (Between)	Length - L			
	<500mm	500 to 1500mm	1500 to 3000mm	>3000mm
16-25mm	3mm	3mm	4mm	5mm
25-50mm	3mm	4mm	4mm	5mm
50-100mm	4mm	5mm	5mm	5mm
100-200mm	5mm	5mm	6mm	6mm

Tolerances on each dimension (± 2 mm)

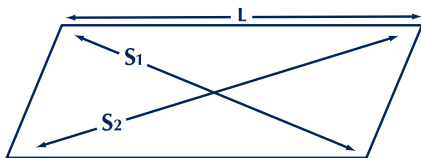
PROFILE DRILLING

FLAT PRODUCT PROCESSING

DIMENSIONAL SQUARENESS TOLERANCES FOR PROFILED STEEL

Material Thickness (Over)	Length - L			
	<1000mm	1000 to 2000mm	2000 to 3000mm	>3000mm
16-40mm	3mm	3mm	4mm	4mm
40-100mm	3mm	3mm	4mm	4mm
100mm	4mm	4mm	4mm	5mm

Tolerances on each dimension ($\pm 2\text{mm}$)



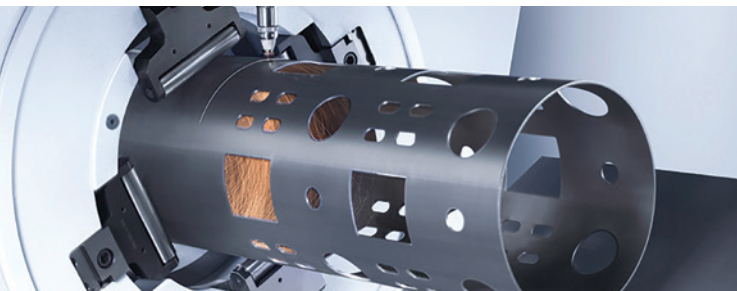
EDGE SQUARENESS

Material Thickness	Deviation, W
Over 16 - 25mm	1.0mm
Over 25mm - 50mm	2.0mm
Over 50 - 100mm	3.0mm
Over 100 - 200mm	4.0mm



TUBE LASER

FLAT PRODUCT PROCESSING



Machine Specification	Size	Machine Specification	Size
Max. Length of Finished Parts	6.5m	Angle Size Option A	25mm x 25mm x 3mm
General Cutting Tolerance	+/- 0.3mm	Angle Size Option B	30mm x 30mm 3mm
Aluminium	4.0mm	Angle Size Option C	40mm x 40mm x 3mm
Stainless Steel	5.0mm	Angle Size Option D	50mm x 50mm x 3mm
Mild Steel	6.0mm		



Min. (mm)	15 x 15	15 x	20	20 x 20	25 x 20
Max. (mm)	200 x 200	250 x 200	300	200 x 200	250 x 200
Thickness (mm)	8	8	8	6	6

Note: Currently only available with mild steel. Limited to max. 25kg/m - may not be suitable for all products.

WATER JET

FLAT PRODUCT PROCESSING



Cutting Specification	Black Steel	Non-Ferrous
Minimum thickness	0.1mm	0.1mm
Maximum thickness	200mm	200mm
Minimum width	-	-
Maximum width	2,000mm	2,000mm
Minimum length	-	-
Maximum length	4,000mm	4,000mm
Minimum diameter hole	2.5mm	2.5mm
General tolerances(1)	0.3mm	0.3mm

DRILLING, MILLING & COUNTERSINKING

FLAT PRODUCT PROCESSING



Machine Specification	Size
Capacity	2000 x 1000mm
Min. Thickness*	5mm
Max. Thickness	60mm
Disc Marking Unit	25 characters
Drilling Unit	Yes
Max. Drilling Diameter	50mm
V-scoring Fast Scribing	Yes
Deburring	Yes
Max. Plate Weight	650 kg

PRECISION FOLDING

FLAT PRODUCT PROCESSING



Length of Material	Length of Fold	V Size
8mm	8m	100
10mm	7.5m	100
12mm	6m	120
15mm	4m	150
20mm	2.5m	230

CNC SAW & DRILL

LONG PRODUCT PROCESSING



Spec	Bright Saws	Black Saws Light Section	Black Saws Heavy Section
Number of Machines	11	5	4
Minimum Diameter	6mm	-	-
Maximum Diameter	400mm	430mm	600mm
Maximum Section Capacity	400 x 400mm	854 x 430mm	1,250 x 600mm
Minimum Width	3mm	3mm	3mm
Maximum Width	400mm	430mm	1,000mm
Minimum Cut Length	6mm	7mm	10mm
Maximum Cut Length	6,600mm	8,000mm	15,800mm
Maximum Infeed Length	6,600mm	15,300mm	18,300mm

CNC SAW & DRILL

LONG PRODUCT PROCESSING

Spec	Bright Saws		Black Saws Light Section		Black Saws Heavy Section
Number of Machines	2		4		7
Mitre Cutting Capability	+45°	+45°	+45°	+45°	+60°
	-60°	-45°	+45°	-60°	-60°
Maximum Section @ 90°					
- Width (mm)	400	854	1000	854	1,250
- Height (mm)	310	430	530	430	600
Maximum Section @ 60°	185 x 310	-	-	432 x 530	800 x 600
Minimum Cut Length (mm)	10	15	10	10	-
Maximum Cut Length (mm)	5,000	8,000	15,800	15,000	15,000
Maximum Infeed Length (mm)	15,000	15,000	18,000	18,000	18,000

CNC SAW & DRILL

LONG PRODUCT PROCESSING

Product	Spec	Ficep Saw & Drill Lines - Mild Steel	
		Min	Max
	Hole Diameter:	6.00mm	40.0mm
	Material Length:	1,500mm (infeed) 10mm (outfeed)	18,000mm (infeed) 15,000mm (outfeed)
	Material Thickness:	6mm	75mm
Flats	Height:	6mm	600mm
	Width:	80mm	1,220mm
Sections	Height:	80mm	600mm
	Width:	80mm	1,220mm
Box	Height:	40mm	600mm
	Width:	80mm	1,220mm
Rectangular	Height:	-	600mm
	Width:	80mm	1,220mm
Angles	Height:	-	600mm
	Width:	80mm	300mm

PUNCH & SHEAR

LONG PRODUCT PROCESSING



Ficpe F504 Punch & Shear Line	Flats		Angles	
	Min mm	Max mm	Min mm	Max mm
Material thickness / wall	6.0	25	5.0	16.0
Material width - Input	50.0	500	50.0	200
Material height	-	-	50.0	200
Material width - Output (processed piece)	-	500	25	6,000
Material length - Input	1,500	12,000	1,500	12,000
Material length - Output (processed piece)	25	6,000	-	-
Dimension for mitre at $\pm 45^\circ$	50x6	500x25	-	-
Tolerance	± 1	± 1	1	± 1

NOTE: Mitre Cutting not available on Angles

PUNCH & SHEAR

LONG PRODUCT PROCESSING

Process	Specification	FICEP F504 Punch & Shear - Black Steel	
		Min	Max
	Material Width	50mm	500mm
	Material Length	50mm	12,000mm (input) 6,000mm (output)
	Tolerance	±1mm	±1mm
	Number of Punches	-	8
	Punching Diameter	-	40mm(1)
Vertical Punching	Thickness of Material	6mm	25mm
Horizontal Punching	Number of Punches	-	2
	Punching Diameter	6mm	30mm
	Thickness of Material	6mm	16mm
Punches	Diameter Punch - Round	6mm	40mm
	Square Punches	12mm	26mm
	Diameter Slot	10mm x 30mm	24mm x 30mm
	Irregular Shape Punch	Available on request	-
	Hole Diameter Through Thickness		35Ø x 25mm 35Ø x 19mm
	S275 Material S355 Material		
Angles	Dimensions	50 x 50 x 5mm	200 x 200 x 16mm
	Distance of punch from back mark	15mm from any edge	-

PUNCH & SHEAR

LONG PRODUCT PROCESSING

Shearing Specification for Black Steel

Minimum width	100mm
Maximum width	4,000mm
Minimum thickness	0.6mm
Maximum thickness	12mm
Minimum length	100mm
Maximum length	4,000mm
Tolerance	±2mm

HARD STAMPING

LONG PRODUCT PROCESSING

Hard Stamping Capabilities

Material:	Black steel	Non-Ferrous
Max Size	6,000 x 2,500mm	6,000 x 2,500mm
Characters:	36	36
Depth of Stamp	1mm	1mm



CHAMFERING

LONG PRODUCT PROCESSING

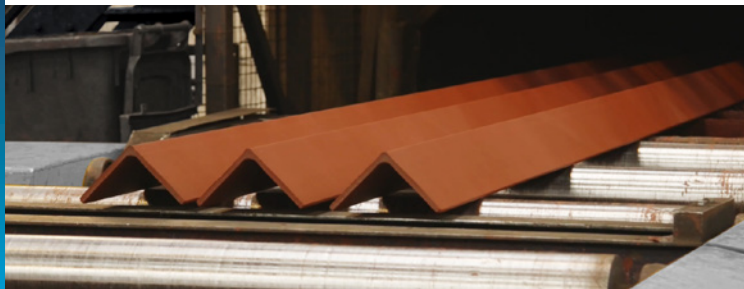
Chamfering Capabilities

Material:	Black steel	Non-Ferrous
Max Material Thickness	100mmø	100mmø
General Tolerance	±1mm	±1mm
Chamfer	60°	60°



SHOTBLASTING & PRIMING

LONG PRODUCT PROCESSING



Max dimensions of material to be shotblasted

Length	18,000mm
Width	1,500mm
Height	500mm
Weight	2,500Kg/m
Thickness	6mm (min) 500mm (max)

Product Properties

Resistance to mineral oils

High impact resistance

Fast drying

Fast recoatability

Weldable up to 25-30 μ m dry film thickness

SHOTBLASTING & PRIMING

LONG PRODUCT PROCESSING

Technical Specification

Colours	Red-brown or grey. Other colours upon request.
Flash point	Not applicable
Temperature stability	Up to 120 °C
Finish	Matt
Viscosity	Approx. 25 sec running time (DIN 4 mm pot)
Density in kg/l	1,396
Solid content in %	58
Solid volume in %	41
Theoretical spreading capacity	16,4 m ² /l at 25 µm DFT
	11,75 m ² /kg at 25 µm DFT
Recommended film thickness	75 µm WFT corresponds to 30 µm DFT
Drying (DIN EN ISO 1517)	25 µm DFT

Drying Time

Dust-dry (Tg1)	After 5 min
Touch-dry (Tg4)	After 12 min
Dry (Tg6)	After 25 min

Interval for Overcoating

After 1 h with water based topcoats
After 24 h with single-component topcoats
After 48 h with two component topcoats

SHOTBLASTING & PRIMING

LONG PRODUCT PROCESSING

Note: The specifications are based on standard atmospheric conditions 23/50, DIN 50014. Lower temperatures and/or higher humidity will prolong drying and hardening.

Field of Application

Temporary protection against corrosion for steel constructions and cast iron

Water based

Safety information (See Security Data Sheet)

VOC-level Approx. 42 g/l

Solvent content Approx. 3 % by weight

Storage

In dry, cool rooms, frost-proof

Ensure good ventilation

Shelf Life

6 months when in unopened original containers in cool and dry conditions

Compressed Air Spraying

Can be applied as delivered

Spraying pressure 4 bar

Nozzle size 1,3 - 1,5 mm

SHOTBLASTING & PRIMING

LONG PRODUCT PROCESSING

Airless Spraying

Risk of spray dust due to very fast drying

After using the material close the packaging immediately

Dip the pistol and the nozzle into water during the breaks

It is tends to get a skin fast. Do not stir the skin in any case!

Flow pressure 70 - 100 bar

Nozzle size 0,007 - 0,015 inch (0,18 - 0,38 mm)

Suitable for the application with automated equipment

Electrostatic Application

Application is possible, provided the equipment is suitable for water based materials

Dipping

Can be applied as delivered

Other Methods of Application

Roller and brush application for repair work is possible

Thinner

Max. 5% with Water

SHOTBLASTING & PRIMING

LONG PRODUCT PROCESSING

Cleaning

Rinse immediately with water

Residues are dissolvable with Deripox-Verdünnung

Preparation of Support

Shot blasting to a purity according to SA 2½

If necessary clean with high pressure-cleaner and turbo-cleaner-solution

Mill scale, welding residues, dust and dirt on the surface which might reduce adhesion have to be carefully and thoroughly removed

General Remarks

During coating and drying the humidity should be min. 30 % / max. 85 %

During coating and drying the environmental temperature should be min. 5°C / max. 30°C

Object temperature at least 3° C above dew point.

Recommended System

Primer coat: Derocryl Hydro Shopprimer Turbo Plus

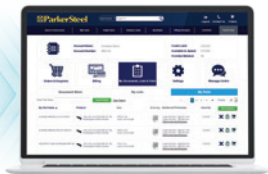
Finish coat: Miscellaneous

The general information and descriptions contained in this specification are provided to the best of our knowledge. Our information and specifications do not constitute warranted characteristics in the legal sense. Any advice for preparation and application which may be provided verbally, in writing or by means of experiments is of general nature only, and any property rights of third parties are also to be regarded in this context. Our general instructions do not release you from your obligation to check the suitability of the products supplied by our company for the intended methods and purposes of application.

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Save regularly used products as Parts and add them to Lists.

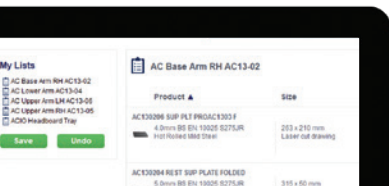


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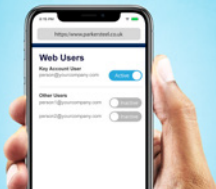


ASSEMBLY KIT

List all parts needed to manufacture or assemble a finished product and order them all at a click of a button.

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Set up and automatically share parts with everyone in your team so anyone can order parts effortlessly.



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