

Bar Products

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Round Bar

Grades: 303, 304, 304L, 316, 316L, 2205, 253MA, SAF2507

Unit of Supply:

4m / 6m ≤ 30 mm, 1m ≥ 30 mm

Certification: Acc. to

ASTM A276/ A479



BRS

Metric

Product Code	Grade	Product Size (mm)	Description	kg/m
G303				
BRS0060G303+0400	G303	6mm	ROUND BAR G303 CD H9 ASTM A582	0.23
BRS0080G303+0400	G303	8mm	ROUND BAR G303 CD H9 ASTM A582	0.41
BRS010G303+0400	G303	10mm	ROUND BAR G303 CD H9 ASTM A582	0.63
BRS016G303+0400	G303	16mm	ROUND BAR G303 CD H9 ASTM A582	1.63
G304				
BRS0030G304H9+0400	G304	3mm	ROUND BAR G304 CD H9 ASTM A276/A479	0.06
BRS0040G304H9+0400	G304	4mm	ROUND BAR G304 CD H9 ASTM A276/A479	0.10
BRS0050G304H9+0400	G304	5mm	ROUND BAR G304 CD H9 ASTM A276/A479	0.16
BRS0060G304H9+0400	G304	6mm	ROUND BAR G304 CD H9 ASTM A276/A479	0.23
BRS0080G304H9+0400	G304	8mm	ROUND BAR G304 CD H9 ASTM A276/A479	0.41
BRS010G304H9+0400	G304	10mm	ROUND BAR G304 CD H9 ASTM A276/A479	0.64
BRS012G304H9+0400	G304	12mm	ROUND BAR G304 CD H9 ASTM A276/A479	0.92
BRS016G304H9+0400	G304	16mm	ROUND BAR G304 CD H9 ASTM A276/A479	1.63
BRS018G304H9+0400	G304	18mm	ROUND BAR G304 CD H9 ASTM A276/A479	2.06
BRS020G304H9+0400	G304	20mm	ROUND BAR G304 CD H9 ASTM A276/A479	2.55
BRS025G304LH9+0400	G304	25mm	ROUND BAR G304 CD H9 ASTM A276/A479	3.98
BRS030G304LH9+0100	G304L	30mm	ROUND BAR G304L H9 ASTM A276/A479	5.73
BRS030G304LK12+0100	G304L	30mm	ROUND BAR G304L K12 ASTM A276/A479	5.73
BRS035G304LK12+0100	G304L	35mm	ROUND BAR G304L K12 ASTM A276/A479	7.80
BRS035G304LH9+0100	G304L	35mm	ROUND BAR G304L H9 ASTM A276/A479	7.75
BRS040G304LH9+0100	G304L	40mm	ROUND BAR G304L H9 ASTM A276/A479	10.05
BRS040G304LK12+0100	G304L	40mm	ROUND BAR G304L K12 ASTM A276/A479	10.19
BRS045G304LK12+0100	G304L	45mm	ROUND BAR G304L K12 ASTM A276/A479	12.90
BRS050G304LK12+0100	G304L	50mm	ROUND BAR G304L K12 ASTM A276/A479	15.92
BRS055G304LK12+0100	G304L	55mm	ROUND BAR G304L K12 ASTM A276/A479	19.27
BRS060G304LK12+0100	G304L	60mm	ROUND BAR G304L K12 ASTM A276/A479	22.93
BRS065G304LK12+0100	G304L	65mm	ROUND BAR G304L K12 ASTM A276/A479	26.91
BRS070G304LK12+0100	G304L	70mm	ROUND BAR G304L K12 ASTM A276/A479	31.21
BRS075G304LK12+0100	G304L	75mm	ROUND BAR G304L K12 ASTM A276/A479	35.83
BRS080G304LK12+0100	G304L	80mm	ROUND BAR G304L K12 ASTM A276/A479	40.77
BRS085G304LK12+0100	G304L	85mm	ROUND BAR G304L K12 ASTM A276/A479	46.02
BRS090G304LK12+0100	G304L	90mm	ROUND BAR G304L K12 ASTM A276/A479	51.59
BRS095G304LK12+0100	G304L	95mm	ROUND BAR G304L K12 ASTM A276/A479	57.49
BRS100G304LK12+0100	G304L	100mm	ROUND BAR G304L K12 ASTM A276/A479	63.70
BRS105G304LK12+0100	G304L	105mm	ROUND BAR G304L K12 ASTM A276/A479	70.22
BRS110G304LK12+0100	G304L	110mm	ROUND BAR G304L K12 ASTM A276/A479	77.07
BRS115G304LK12+0100	G304L	115mm	ROUND BAR G304L K12 ASTM A276/A479	84.24
BRS120G304LK12+0100	G304L	120mm	ROUND BAR G304L K12 ASTM A276/A479	91.72
BRS125G304LK12+0100	G304L	125mm	ROUND BAR G304L K12 ASTM A276/A479	99.52
BRS130G304LK12+0100	G304L	130mm	ROUND BAR G304L K12 ASTM A276/A479	107.65
BRS140G304LK12+0100	G304L	140mm	ROUND BAR G304L K12 ASTM A276/A479	123.15
BRS145G304LK12+0100	G304L	145mm	ROUND BAR G304L K12 ASTM A276/A479	133.92
BRS160G304LK12+0100	G304L	160mm	ROUND BAR G304L K12 ASTM A276/A479	160.85
BRS170G304LK12+0100	G304L	170mm	ROUND BAR G304L K12 ASTM A276/A479	184.08
BRS180G304LK12+0100	G304L	180mm	ROUND BAR G304L K12 ASTM A276/A479	206.38
BRS200G304LK12+0100	G304L	200mm	ROUND BAR G304L K12 ASTM A276/A479	254.78

Finishes: P&R h9 / CD h9/ ST h10 / C.G. h8 / Peeled K12 / RT / HRAP

Cutting: We offer a close precision cutting service - please enquire. Standard cutting tolerance - 0/+3mm

Round Bar

Grades: 303, 304, 304L, 316, 316L, 2205, 253MA, SAF2507

Unit of Supply:

4m / 6m ≤ 30 mm, 1m ≥ 30 mm

Certification: Acc. to

ASTM A276/ A479



BRS

Metric

Product Code	Grade	Product Size (mm)	Description	kg/m
BRS210G304LK12+0100	G304L	210mm	ROUND BAR G304L K12 ASTM A276/A479	280.90
BRS230G304LK12+0100	G304L	230mm	ROUND BAR G304L K12 ASTM A276/A479	336.95
BRS250G304LK12+0100	G304L	250mm	ROUND BAR G304L K12 ASTM A276/A479	398.10
BRS300G304LK12+0100	G304L	300mm	ROUND BAR G304L K12 ASTM A276/A479	573.27

G304 - Centreless Ground (CG)

BRS030G304LCG+0600	G304L CG	30mm	ROUND BAR G304L CG H8 ASTM A276/A479	5.73
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G316

BRS0040G316H9+0400	G316	4mm	ROUND BAR G316 CD H9 ASTM A276/A479	0.10
BRS0050G316H9+0400	G316	5mm	ROUND BAR G316 CD H9 ASTM A276/A479	0.16
BRS0060G316H9+0400	G316	6mm	ROUND BAR G316 CD H9 ASTM A276/A479	0.23
BRS0080G316H9+0400	G316	8mm	ROUND BAR G316 CD H9 ASTM A276/A479	0.41
BRS010G316H9+0400	G316	10mm	ROUND BAR G316 CD H9 ASTM A276/A479	0.64
BRS012G316H9+0400	G316	12mm	ROUND BAR G316 CD H9 ASTM A276/A479	0.92
BRS014G316H9+0400	G316	14mm	ROUND BAR G316 CD H9 ASTM A276/A479	1.25
BRS015G316H9+0400	G316	15mm	ROUND BAR G316 CD H9 ASTM A276/A479	1.43
BRS016G316H9+0400	G316	16mm	ROUND BAR G316 CD H9 ASTM A276/A479	1.63
BRS018G316H9+0400	G316	18mm	ROUND BAR G316 CD H9 ASTM A276/A479	2.06
BRS020G316H9+0400	G316	20mm	ROUND BAR G316 CD H9 ASTM A276/A479	2.55
BRS022G316H9+0400	G316	22mm	ROUND BAR G316 CD H9 ASTM A276/A479	3.08
BRS025G316LH9+0400	G316L	25mm	ROUND BAR G316L CD H9 ASTM A276/A479	3.98
BRS030G316LK12+0100	G316L	30mm	ROUND BAR G316L K12 ASTM A276/A479	5.73
BRS035G316LK12+0100	G316L	35mm	ROUND BAR G316L K12 ASTM A276/A479	7.80
BRS040G316LK12+0100	G316L	40mm	ROUND BAR G316L K12 ASTM A276/A479	10.19
BRS045G316LK12+0100	G316L	45mm	ROUND BAR G316L K12 ASTM A276/A479	12.90
BRS050G316LK12+0100	G316L	50mm	ROUND BAR G316L K12 ASTM A276/A479	15.92
BRS055G316LK12+0100	G316L	55mm	ROUND BAR G316L K12 ASTM A276/A479	19.27
BRS060G316LK12+0100	G316L	60mm	ROUND BAR G316L K12 ASTM A276/A479	22.93
BRS065G316LK12+0100	G316L	65mm	ROUND BAR G316L K12 ASTM A276/A479	26.91
BRS070G316LK12+0100	G316L	70mm	ROUND BAR G316L K12 ASTM A276/A479	31.21
BRS075G316LK12+0100	G316L	75mm	ROUND BAR G316L K12 ASTM A276/A479	35.83
BRS080G316LK12+0100	G316L	80mm	ROUND BAR G316L K12 ASTM A276/A479	40.77
BRS085G316LK12+0100	G316L	85mm	ROUND BAR G316L K12 ASTM A276/A479	46.02
BRS090G316LK12+0100	G316L	90mm	ROUND BAR G316L K12 ASTM A276/A479	51.59
BRS095G316LK12+0100	G316L	95mm	ROUND BAR G316L K12 ASTM A276/A479	57.49
BRS100G316LK12+0100	G316L	100mm	ROUND BAR G316L K12 ASTM A276/A479	63.70
BRS105G316LK12+0100	G316L	105mm	ROUND BAR G316L K12 ASTM A276/A479	70.22
BRS110G316LK12+0100	G316L	110mm	ROUND BAR G316L K12 ASTM A276/A479	77.07
BRS115G316LK12+0100	G316L	115mm	ROUND BAR G316L K12 ASTM A276/A479	84.24
BRS120G316LK12+0100	G316L	120mm	ROUND BAR G316L K12 ASTM A276/A479	91.72
BRS125G316LK12+0100	G316L	125mm	ROUND BAR G316L K12 ASTM A276/A479	99.52
BRS130G316LK12+0100	G316L	130mm	ROUND BAR G316L K12 ASTM A276/A479	107.65
BRS135G316LK12+0100	G316L	135mm	ROUND BAR G316L K12 ASTM A276/A479	116.09
BRS140G316LK12+0100	G316L	140mm	ROUND BAR G316L K12 ASTM A276/A479	124.84
BRS145G316LK12+0100	G316L	145mm	ROUND BAR G316L K12 ASTM A276/A479	133.92
BRS165G316LK12+0100	G316L	165mm	ROUND BAR G316L K12 ASTM A276/A479	173.41
BRS170G316LK12+0100	G316L	170mm	ROUND BAR G316L K12 ASTM A276/A479	184.08
BRS180G316LK12+0100	G316L	180mm	ROUND BAR G316L K12 ASTM A276/A479	206.38
BRS200G316LK12+0100	G316L	200mm	ROUND BAR G316L K12 ASTM A276/A479	254.78

Round Bar

Grades: 303, 304, 304L, 316, 316L, 2205, 253MA, SAF2507

Unit of Supply:

4m / 6m ≤ 30 mm, 1m ≥ 30 mm

Certification: Acc. to

ASTM A276/ A479



BRS Metric

Product Code	Grade	Product Size (mm)	Description	kg/m
BRS210G316LK12+0100	G316L	210mm	ROUND BAR G316L K12 ASTM A276/A479	280.90
BRS225G316LK12+0100	G316L	225mm	ROUND BAR G316L K12 ASTM A276/A479	322.46
BRS250G316LK12+0100	G316L	250mm	ROUND BAR G316L K12 ASTM A276/A479	398.10
BRS280G316LK12+0100	G316L	280mm	ROUND BAR G316L K12 ASTM A276/A479	499.38
BRS300G316LK12+0100	G316L	300mm	ROUND BAR G316L K12 ASTM A276/A479	573.27
BRS325G316LK12+0100	G316L	325mm	ROUND BAR G316L K12 ASTM A276/A479	672.78
BRS330G316LK12+0100	G316L	330mm	ROUND BAR G316L K12 ASTM A276/A479	681.00
BRS350G316LK12+0100	G316L	350mm	ROUND BAR G316L K12 ASTM A276/A479	780.27
BRS400G316LK12+0100	G316L	400mm	ROUND BAR G316L K12 ASTM A276/A479	1019.12

G316 – Centreless Ground (CG)

BRS020G316LCG+0600	G316L CG	20mm	ROUND BAR G316L CG H8 ASTM A276/A479	2.55
BRS022G316LCG+0600	G316L CG	22mm	ROUND BAR G316L CG H8 ASTM A276/A479	3.08
BRS025G316LCG+0600	G316L CG	25mm	ROUND BAR G316L CG H8 ASTM A276/A479	3.98
BRS030G316LCG+0600	G316L CG	30mm	ROUND BAR G316L CG H8 ASTM A276/A479	5.73

G2205

BRS012G2205H9+0600	G2205	12mm	ROUND BAR G2205 CD H9 ASTM A276/A479	0.92
BRS020G2205K12+0100	G2205	20mm	ROUND BAR G2205 K12 ASTM A276/A479	2.55
BRS030G2205K12+0100	G2205	30mm	ROUND BAR G2205 K12 ASTM A276/A479	5.73
BRS040G2205K12+0100	G2205	40mm	ROUND BAR G2205 K12 ASTM A276/A479	10.19
BRS045G2205K12+0100	G2205	45mm	ROUND BAR G2205 K12 ASTM A276/A479	12.90
BRS050G2205K12+0100	G2205	50mm	ROUND BAR G2205 K12 ASTM A276/A479	15.92
BRS055G2205K12+0100	G2205	55mm	ROUND BAR G2205 K12 ASTM A276/A479	19.27
BRS060G2205K12+0100	G2205	60mm	ROUND BAR G2205 K12 ASTM A276/A479	22.93
BRS065G2205K12+0100	G2205	65mm	ROUND BAR G2205 K12 ASTM A276/A479	26.91
BRS070G2205K12+0100	G2205	70mm	ROUND BAR G2205 K12 ASTM A276/A479	31.21
BRS075G2205K12+0100	G2205	75mm	ROUND BAR G2205 K12 ASTM A276/A479	35.83
BRS080G2205K12+0100	G2205	80mm	ROUND BAR G2205 K12 ASTM A276/A479	40.77
BRS085G2205K12+0100	G2205	85mm	ROUND BAR G2205 K12 ASTM A276/A479	46.02
BRS090G2205K12+0100	G2205	90mm	ROUND BAR G2205 K12 ASTM A276/A479	51.59
BRS100G2205K12+0100	G2205	100mm	ROUND BAR G2205 K12 ASTM A276/A479	63.70
BRS110G2205K12+0100	G2205	110mm	ROUND BAR G2205 K12 ASTM A276/A479	77.07
BRS115G2205K12+0100	G2205	115mm	ROUND BAR G2205 K12 ASTM A276/A479	84.24
BRS120G2205K12+0100	G2205	120mm	ROUND BAR G2205 K12 ASTM A276/A479	91.72
BRS130G2205K12+0100	G2205	130mm	ROUND BAR G2205 K12 ASTM A276/A479	107.65
BRS140G2205K12+0100	G2205	140mm	ROUND BAR G2205 K12 ASTM A276/A479	124.84
BRS150G2205K12+0100	G2205	150mm	ROUND BAR G2205 K12 ASTM A276/A479	143.32
BRS165G2205K12+0100	G2205	165mm	ROUND BAR G2205 K12 ASTM A276/A479	173.41
BRS170G2205K12+0100	G2205	170mm	ROUND BAR G2205 K12 ASTM A276/A479	184.08
BRS180G2205K12+0100	G2205	180mm	ROUND BAR G2205 K12 ASTM A276/A479	206.37
BRS200G2205K12+0100	G2205	200mm	ROUND BAR G2205 K12 ASTM A276/A479	254.78
BRS220G2205K12+0100	G2205	220mm	ROUND BAR G2205 K12 ASTM A276/A479	304.11
BRS250G2205K12+0100	G2205	250mm	ROUND BAR G2205 K12 ASTM A276/A479	398.10
BRS300G2205K12+0100	G2205	300mm	ROUND BAR G2205 K12 ASTM A276/A479	573.26
BRS350G2205K12+0100	G2205	350mm	ROUND BAR G2205 K12 ASTM A276/A479	780.27
BRS400G2205K12+0100	G2205	400mm	ROUND BAR G2205 K12 ASTM A276/A479	1005.31

Round Bar

Grades: 303, 304, 304L, 316, 316L, 2205, 253MA, SAF2507

Unit of Supply:

4m / 6m ≤ 30 mm, 1m ≥ 30 mm

Certification: Acc. to

ASTM A276/ A479



BRS

Metric

Product Code	Grade	Product Size (mm)	Description	kg/m
G2205 - Centreless Ground (CG)				
BRS016G2205CG+0600	G2205 CG	16mm	ROUND BAR G2205 CG H8 ASTM A276/A479	1.63
BRS020G2205CG+0600	G2205 CG	20mm	ROUND BAR G2205 CG H8 ASTM A276/A479	2.55
G253 MA				
BRS0060G253MA+0100	G253MA	6mm	ROUND BAR G253MA ASTM A276/A479	0.23
BRS0080G253MA+0100	G253MA	8mm	ROUND BAR G253MA ASTM A276/A479	0.41
BRS010G253MA+0100	G253MA	10mm	ROUND BAR G253MA ASTM A276/A479	0.64
BRS012G253MA+0100	G253MA	12mm	ROUND BAR G253MA ASTM A276/A479	0.92
BRS016G253MA+0100	G253MA	16mm	ROUND BAR G253MA ASTM A276/A479	1.63
BRS020G253MA+0100	G253MA	20mm	ROUND BAR G253MA ASTM A276/A479	2.55
BRS035G253MA+0100	G253MA	35mm	ROUND BAR G253MA ASTM A276/A479	7.80
BRS040G253MA+0100	G253MA	40mm	ROUND BAR G253MA ASTM A276/A479	10.19

Round Bar

Grades: 303, 304, 304L, 316, 316L, 2205

Unit of Supply:

1m, 4m, 6m

Certification: Acc. to
ASTM A276/ A479



BRS Imperial

Product Code	Grade	Product Size (mm)	(inch)	Description	kg/m
G303					
BRS0127G303+0400	G303	12.70mm	1/2"	ROUND BAR G303 CD H9 ASTM A582	1.03
BRS0191G303+0400	G303	19.05mm	3/4"	ROUND BAR G303 CD H9 ASTM A582	2.31
BRS0222G303H9+0400	G303	22.22mm	7/8"	ROUND BAR G303 CD H9 ASTM A582	3.10
BRS0254G303+0400	G303	25.40mm	1"	ROUND BAR G303 CD H9 ASTM A582	4.11
BRS0318G303+0400	G303	31.80mm	1-1/4"	ROUND BAR G303 CD H9 ASTM A582	6.44
BRS0381G303+0400	G303	38.10mm	1-1/2"	ROUND BAR G303 CD H9 ASTM A582	9.25
BRS0508G303+0400	G303	50.80mm	2"	ROUND BAR G303 CD H9 ASTM A582	16.44

G304

BRS0032G304H9+0400	G304	3.18mm	1/8"	ROUND BAR G304 CD H9 ASTM A276/A479	0.06
BRS0047G304H9+0400	G304	4.76mm	3/16"	ROUND BAR G304 CD H9 ASTM A276/A479	0.14
BRS0064G304H9+0400	G304	6.35mm	1/4"	ROUND BAR G304 CD H9 ASTM A276/A479	0.26
BRS0079G304H9+0400	G304	7.94mm	5/16"	ROUND BAR G304 CD H9 ASTM A276/A479	0.40
BRS0095G304H9+0400	G304	9.53mm	3/8"	ROUND BAR G304 CD H9 ASTM A276/A479	0.58
BRS0127G304H9+0400	G304	12.70mm	1/2"	ROUND BAR G304 CD H9 ASTM A276/A479	1.03
BRS0159G304H9+0400	G304	15.87mm	5/8"	ROUND BAR G304 CD H9 ASTM A276/A479	1.60
BRS0191G304H9+0400	G304	19.05mm	3/4"	ROUND BAR G304 CD H9 ASTM A276/A479	2.31
BRS0222G304H9+0400	G304	22.22mm	7/8"	ROUND BAR G304 CD H9 ASTM A276/A479	3.14
BRS0254G304LH9+0400	G304L	25.40mm	1"	ROUND BAR G304L CD H9 ASTM A276/A479	4.05
BRS0318G304LK12+0100	G304L	31.80mm	1-1/4"	ROUND BAR G304L K12 ASTM A276/A479	6.42
BRS0318G304LH9+0400	G304L	31.80mm	1-1/4"	ROUND BAR G304L CD H9 ASTM A276/A479	6.40
BRS0381G304LK12+0100	G304L	38.10mm	1-1/2"	ROUND BAR G304L K12 ASTM A276/A479	9.25
BRS0445G304LK12+0100	G304L	44.45mm	1-3/4"	ROUND BAR G304L K12 ASTM A276/A479	12.59
BRS0508G304LK12+0100	G304L	50.80mm	2"	ROUND BAR G304L K12 ASTM A276/A479	16.44
BRS0572G304LK12+0100	G304L	57.15mm	2-1/4"	ROUND BAR G304L K12 ASTM A276/A479	20.80
BRS0635G304LK12+0100	G304L	63.50mm	2-1/2"	ROUND BAR G304L K12 ASTM A276/A479	25.68
BRS0762G304LK12+0100	G304L	76.20mm	3"	ROUND BAR G304L K12 ASTM A276/A479	36.98
BRS1016G304LK12+0100	G304L	101.6mm	4"	ROUND BAR G304L K12 ASTM A276/A479	65.75
BRS1524G304LK12+0100	G304L	152.4mm	6"	ROUND BAR G304L K12 ASTM A276/A479	147.94
BRS2032G304LK12+0100	G304L	203.2mm	8"	ROUND BAR G304L K12 ASTM A276/A479	263.00
BRS355G304LK12+0100	G304L	355.6mm	14"	ROUND BAR G304L K12 ASTM A276/A479	802.73

G304 - Centreless Ground (CG)

BRS0254G304LCG+0600	G304L CG	25.40mm	1"	ROUND BAR G304L CG H8 ASTM A276/A479	4.05
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Round Bar

Grades: 303, 304, 304L, 316, 316L, 2205

Unit of Supply:

1m, 4m, 6m

Certification: Acc. to
ASTM A276/ A479



BRS Imperial

Product Code	Grade	Product Size (mm)	(inch)	Description	kg/m
G316					
BRS0079G316H9+0400	G316	7.94mm	5/16"	ROUND BAR G316 CD H9 ASTM A276/A479	0.40
BRS0095G316H9+0400	G316	9.52mm	3/8"	ROUND BAR G316 CD H9 ASTM A276/A479	0.58
BRS011G316H9+0400	G316	11.11mm	7/16"	ROUND BAR G316 CD H9 ASTM A276/A479	0.77
BRS0127G316H9+0400	G316	12.70mm	1/2"	ROUND BAR G316 CD H9 ASTM A276/A479	1.03
BRS0143G316H9+0400	G316	14.28mm	9/16"	ROUND BAR G316 CD H9 ASTM A276/A479	1.30
BRS0159G316H9+0400	G316	15.87mm	5/8"	ROUND BAR G316 CD H9 ASTM A276/A479	1.60
BRS0191G316H9+0400	G316	19.05mm	3/4"	ROUND BAR G316 CD H9 ASTM A276/A479	2.31
BRS0222G316H9+0400	G316	22.22mm	7/8"	ROUND BAR G316 CD H9 ASTM A276/A479	3.14
BRS0254G316LH9+0400	G316	25.40mm	1"	ROUND BAR G316L CD H9 ASTM A276/A479	4.11
BRS0318G316LK12+0100	G316L	31.80mm	1-1/4"	ROUND BAR G316L K12 ASTM A276/A479	6.42
BRS0381G316LK12+0100	G316L	38.10mm	1-1/2"	ROUND BAR G316L K12 ASTM A276/A479	9.25
BRS0445G316LK12+0100	G316L	44.45mm	1-3/4"	ROUND BAR G316L K12 ASTM A276/A479	12.59
BRS0508G316LK12+0100	G316L	50.80mm	2"	ROUND BAR G316L K12 ASTM A276/A479	16.44
BRS0572G316LK12+0100	G316L	57.15mm	2-1/4"	ROUND BAR G316L K12 ASTM A276/A479	20.80
BRS0635G316LK12+0100	G316L	63.50mm	2-1/2"	ROUND BAR G316L K12 ASTM A276/A479	25.68
BRS0762G316LK12+0100	G316L	76.20mm	3"	ROUND BAR G316L K12 ASTM A276/A479	36.98
BRS1016G316LK12+0100	G316L	101.6mm	4"	ROUND BAR G316L K12 ASTM A276/A479	65.75
BRS1524G316LK12+0100	G316L	152.4mm	6"	ROUND BAR G316L K12 ASTM A276/A479	147.94
BRS2032G316LK12+0100	G316L	203.2mm	8"	ROUND BAR G316L K12 ASTM A276/A479	263.00

G316 - Centreless Ground (CG)

BRS0254G316LCG+0600	G316L CG	25.40mm	1"	ROUND BAR G316L CG H8 ASTM A276/A479	4.11
BRS0318G316LCG+0600	G316L CG	31.80mm	1-1/4"	ROUND BAR G316L CG H8 ASTM A276/A479	6.42
BRS0349G316LCG+0600	G316L CG	34.93mm	1-3/8"	ROUND BAR G316L CG H8 ASTM A276/A479	7.77
BRS0381G316LCG+0600	G316L CG	38.10mm	1-1/2"	ROUND BAR G316L CG H8 ASTM A276/A479	9.25
BRS0445G316LCG+0600	G316L CG	44.45mm	1-3/4"	ROUND BAR G316L CG H8 ASTM A276/A479	12.59
BRS0508G316LCG+0600	G316L CG	50.80mm	2"	ROUND BAR G316L CG H8 ASTM A276/A479	16.44

G2205 - Centreless Ground (CG)

BRS0191G2205CG+0600	G2205 CG	19.05mm	3/4"	ROUND BAR G2205 CG H8 ASTM A276/A479	2.31
BRS0254G2205CG+0600	G2205 CG	25.40mm	1"	ROUND BAR G2205 CG H8 ASTM A276/A479	4.11
BRS0318G2205CG+0600	G2205 CG	31.80mm	1-1/4"	ROUND BAR G2205 CG H8 ASTM A276/A479	6.42
BRS0349G2205CG+0600	G2205 CG	34.93mm	1-3/8"	ROUND BAR G2205 CG H8 ASTM A276/A479	7.77
BRS0381G2205CG+0600	G2205 CG	38.10mm	1-1/2"	ROUND BAR G2205 CG H8 ASTM A276/A479	9.25
BRS0445G2205CG+0600	G2205 CG	44.45mm	1-3/4"	ROUND BAR G2205 CG H8 ASTM A276/A479	12.59
BRS0508G2205CG+0600	G2205 CG	50.80mm	2"	ROUND BAR G2205 CG H8 ASTM A276/A479	16.44
BRS0572G2205CG+0600	G2205 CG	57.15mm	2-1/4"	ROUND BAR G2205 CG H8 ASTM A276/A479	20.80
BRS0635G2205CG+0600	G2205 CG	63.50mm	2-1/2"	ROUND BAR G2205 CG H8 ASTM A276/A479	25.68
BRS0699G2205CG+0600	G2205 CG	69.85mm	2-3/4"	ROUND BAR G2205 CG H8 ASTM A276/A479	31.08
BRS0762G2205CG+0600	G2205 CG	76.20mm	3"	ROUND BAR G2205 CG H8 ASTM A276/A479	36.98
BRS0889G2205CG+0600	G2205 CG	88.90mm	3-1/2"	ROUND BAR G2205 CG H8 ASTM A276/A479	50.34
BRS1016G2205CG+0600	G2205 CG	101.6mm	4"	ROUND BAR G2205 CG H8 ASTM A276/A479	65.75

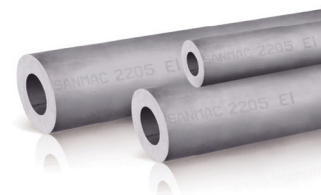
Hollow Bar

Grades: 316L

Unit of Supply: Cut to Length

Certification: Acc. to

ASTM A511 / DIN 17458 TCI



HBS

Product Code	Product Size (mm)	Description	kg/m
HBS032016G316L+0100	032 x 016	HOLLOW BAR G316L	4.70
HBS036016G316L+0100	036 x 016	HOLLOW BAR G316L	6.74
HBS036020G316L+0100	036 x 020	HOLLOW BAR G316L	6.00
HBS036025G316L+0100	036 x 025	HOLLOW BAR G316L	4.67
HBS040020G316L+0100	040 x 020	HOLLOW BAR G316L	7.80
HBS040028G316L+0100	040 x 028	HOLLOW BAR G316L	5.54
HBS045028G316L+0100	045 x 028	HOLLOW BAR G316L	8.20
HBS050025G316L+0100	050 x 025	HOLLOW BAR G316L	12.28
HBS050032G316L+0100	050 x 032	HOLLOW BAR G316L	9.70
HBS050036G316L+0100	050 x 036	HOLLOW BAR G316L	8.00
HBS056028G316L+0100	056 x 028	HOLLOW BAR G316L	15.20
HBS056036G316L+0100	056 x 036	HOLLOW BAR G316L	12.10
HBS056040G316L+0100	056 x 040	HOLLOW BAR G316L	10.20
HBS063032G316L+0100	063 x 032	HOLLOW BAR G316L	19.00
HBS063036G316L+0100	063 x 036	HOLLOW BAR G316L	17.30
HBS063040G316L+0100	063 x 040	HOLLOW BAR G316L	15.42
HBS063050G316L+0100	063 x 050	HOLLOW BAR G316L	9.90
HBS071036G316L+0100	071 x 036	HOLLOW BAR G316L	24.10
HBS071040G316L+0100	071 x 040	HOLLOW BAR G316L	22.10
HBS071045G316L+0100	071 x 045	HOLLOW BAR G316L	20.17
HBS071056G316L+0100	071 x 056	HOLLOW BAR G316L	12.90
HBS075040G316L+0100	075 x 040	HOLLOW BAR G316L	26.17
HBS075050G316L+0100	075 x 050	HOLLOW BAR G316L	21.10
HBS080040G316L+0100	080 x 040	HOLLOW BAR G316L	30.90
HBS080050G316L+0100	080 x 050	HOLLOW BAR G316L	25.72
HBS080063G316L+0100	080 x 063	HOLLOW BAR G316L	16.40
HBS085045G316L+0100	085 x 045	HOLLOW BAR G316L	33.50
HBS090050G316L+0100	090 x 050	HOLLOW BAR G316L	36.10
HBS095050G316L+0100	095 x 050	HOLLOW BAR G316L	42.10
HBS095067G316L+0100	095 x 067	HOLLOW BAR G316L	30.45
HBS100056G316L+0100	100 x 056	HOLLOW BAR G316L	44.06
HBS100063G316L+0100	100 x 063	HOLLOW BAR G316L	39.20
HBS100071G316L+0100	100 x 071	HOLLOW BAR G316L	32.70
HBS100080G316L+0100	100 x 080	HOLLOW BAR G316L	24.40
HBS106056G316L+0100	106 x 056	HOLLOW BAR G316L	52.10
HBS106071G316L+0100	106 x 071	HOLLOW BAR G316L	40.60
HBS106080G316L+0100	106 x 080	HOLLOW BAR G316L	32.30
HBS112063G316L+0100	112 x 063	HOLLOW BAR G316L	55.30
HBS112080G316L+0100	112 x 080	HOLLOW BAR G316L	40.60
HBS118080G316L+0100	118 x 080	HOLLOW BAR G316L	49.40
HBS118090G316L+0100	118 x 090	HOLLOW BAR G316L	39.00
HBS125080G316L+0100	125 x 080	HOLLOW BAR G316L	60.20

Guaranteed finished part sizes valid for lengths less than 2.5 times the O.D.

Mass: theoretical only and can vary. Allowance must be made for dimensional tolerance variations, including diameter, length, and metal loss from cutting (swarf).

Cutting: we offer a close precision cutting service - please enquire. Standard cutting tolerance - 0 / + 3 mm.

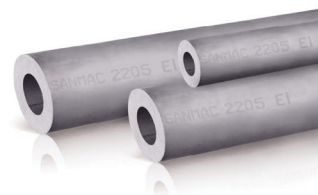
Hollow Bar

Grades: 316L

Unit of Supply: Cut to Length

Certification: Acc. to

ASTM A511 / DIN 17458 TCI



HBS

Product Code	Product Size (mm)	Description	kg/m
HBS125100G316L+0100	125 x 100	HOLLOW BAR G316L	38.30
HBS132090G316L+0100	132 x 090	HOLLOW BAR G316L	61.10
HBS132106G316L+0100	132 x 106	HOLLOW BAR G316L	42.65
HBS140100G316L+0100	140 x 100	HOLLOW BAR G316L	63.30
HBS150080G316L+0100	150 x 080	HOLLOW BAR G316L	103.30
HBS150095G316L+0100	150 x 095	HOLLOW BAR G316L	87.70
HBS150106G316L+0100	150 x 106	HOLLOW BAR G316L	74.20
HBS150125G316L+0100	150 x 125	HOLLOW BAR G316L	47.40
HBS160090G316L+0100	160 x 090	HOLLOW BAR G316L	112.90
HBS160112G316L+0100	160 x 112	HOLLOW BAR G316L	85.80
HBS170118G316L+0100	170 x 118	HOLLOW BAR G316L	99.31
HBS180125G316L+0100	180 x 125	HOLLOW BAR G316L	110.00
HBS180140G316L+0100	180 x 140	HOLLOW BAR G316L	86.10
HBS180150G316L+0100	180 x 150	HOLLOW BAR G316L	68.40
HBS190132G316L+0100	190 x 132	HOLLOW BAR G316L	123.00
HBS190160G316L+0100	190 x 160	HOLLOW BAR G316L	73.00
HBS200150G316L+0100	200 x 150	HOLLOW BAR G316L	117.22
HBS200160G316L+0100	200 x 160	HOLLOW BAR G316L	97.60
HBS212170G316L+0100	212 x 170	HOLLOW BAR G316L	109.00
HBS224140G316L+0100	224 x 140	HOLLOW BAR G316L	198.78
HBS236190G316L+0100	236 x 190	HOLLOW BAR G316L	135.14
HBS250200G316L+0100	250 x 200	HOLLOW BAR G316L	153.00
HBS250200G316L+0100	250 x 200	HOLLOW BAR G316L	153.00
HBS275200G316L+0100	275 x 200	HOLLOW BAR G316L	227.79

Guaranteed finished part sizes valid for lengths less than 2.5 times the O.D.

Mass: theoretical only and can vary. Allowance must be made for dimensional tolerance variations, including diameter, length, and metal loss from cutting (swarf).

Cutting: we offer a close precision cutting service - please enquire. Standard cutting tolerance - 0 / + 3 mm.

Hollow Bar Dimensions



Outside Dia mm	Inside Dia mm	Wall mm	kg/m	Description
36	16	10	6.78	Hollow Bar 36 x 16
36	20	8	5.91	Hollow Bar 36 x 20
36	25	5.5	4.55	Hollow Bar 36 x 25
40	20	10	7.83	Hollow Bar 40 x 20
40	28	6	5.49	Hollow Bar 40 x 28
45	28	8.5	8.17	Hollow Bar 45 x 28
45	32	6.5	6.7	Hollow Bar 45 x 32
50	25	12.5	12.1	Hollow Bar 50 x 25
50	32	9	9.7	Hollow Bar 50 x 32
50	36	7	8.01	Hollow Bar 50 x 36
56	28	14	15.2	Hollow Bar 56 x 28
56	36	10	12.1	Hollow Bar 56 x 36
56	40	8	10.2	Hollow Bar 56 x 40
63	32	15.5	19	Hollow Bar 63 x 32
63	36	13.5	17.3	Hollow Bar 63 x 36
63	40	11.5	15.4	Hollow Bar 63 x 40
63	50	6.5	9.91	Hollow Bar 63 x 50
71	36	17.5	24.1	Hollow Bar 71 x 36
71	40	15.5	22.3	Hollow Bar 71 x 40
71	45	13	19.6	Hollow Bar 71 x 45
71	56	7.5	12.9	Hollow Bar 71 x 56
75	40	17.5	26	Hollow Bar 75 x 40
75	50	12.5	21.1	Hollow Bar 75 x 50
80	40	20	30.9	Hollow Bar 80 x 40
80	45	17.5	28.3	Hollow Bar 80 x 45
80	50	15	25.3	Hollow Bar 80 x 50
80	63	8.5	16.4	Hollow Bar 80 x 63
85	45	20	33.5	Hollow Bar 85 x 45
90	50	20	36.1	Hollow Bar 90 x 50
90	56	17	32.3	Hollow Bar 90 x 56
95	50	22.5	42.1	Hollow Bar 95 x 50
95	67	14	29.9	Hollow Bar 95 x 67

Outside Dia mm	Inside Dia mm	Wall mm	kg/m	Description
125	100	12.5	38.3	Hollow Bar 125 x 100
125	71	27	88.5	Hollow Bar 125 x 71
125	80	22.5	60.2	Hollow Bar 125 x 80
132	106	13	42	Hollow Bar 132 x 106
132	71	30.5	79.7	Hollow Bar 132 x 71
132	80	26	71.5	Hollow Bar 132 x 80
132	90	21	61.1	Hollow Bar 132 x 90
140	100	20	63.3	Hollow Bar 140 x 100
140	80	30	85.2	Hollow Bar 140 x 80
150	106	22	74.2	Hollow Bar 150 x 106
150	125	12.5	47.4	Hollow Bar 150 x 125
150	80	35	101	Hollow Bar 150 x 80
150	95	27.5	87.7	Hollow Bar 150 x 95
160	112	24	85.8	Hollow Bar 160 x 112
160	90	35	157.6	Hollow Bar 160 x 90
170	118	26	98.4	Hollow Bar 170 x 118
170	140	15	63.8	Hollow Bar 170 x 140
180	125	27.5	110	Hollow Bar 180 x 125
180	150	15	68.4	Hollow Bar 180 x 150
190	132	29	123	Hollow Bar 190 x 132
190	150	20	91.9	Hollow Bar 190 x 150
190	160	15	73	Hollow Bar 190 x 160
200	140	30	134	Hollow Bar 200 x 140
200	160	20	97.6	Hollow Bar 200 x 160
212	170	21	109	Hollow Bar 212 x 170
224	140	42	199	Hollow Bar 224 x 140
236	190	23	133	Hollow Bar 236 x 190
236	150	43	216	Hollow Bar 238 x 150
250	200	25	153	Hollow Bar 260 x 200

Hexagonal Bar

Grades: 316L (Cold Drawn)

Finish: H11

Unit of Supply:

3 – 4 m random lengths

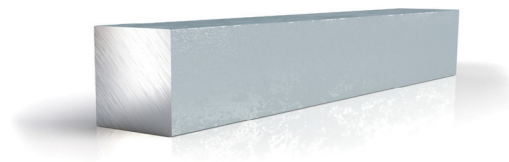
Certification: Acc. to ASTM A276



BHS

Product Code	Grade	Product Size (mm)	Description	kg/m
BHS0111G316L+0300	G316L	11.11mm	HEX BAR G316L CD H11 ASTM A276	0.86
BHS012G316L+0300	G316L	12.0mm	HEX BAR G316L CD H11 ASTM A276	0.98
BHS014G316L+0300	G316L	14.0mm	HEX BAR G316L CD H11 ASTM A276	1.35
BHS017G316L+0300	G316L	17.0mm	HEX BAR G316L CD H11 ASTM A276	2.04
BHS019G316L+0300	G316L	19.0mm	HEX BAR G316L CD H11 ASTM A276	2.51
BHS022G316L+0300	G316L	22.0mm	HEX BAR G316L CD H11 ASTM A276	3.29
BHS024G316L+0300	G316L	24.0mm	HEX BAR G316L CD H11 ASTM A276	4.04
BHS0254G316L+0300	G316L	25.4mm	HEX BAR G316L CD H11 ASTM A276	4.39
BHS027G316L+0300	G316L	27.0mm	HEX BAR G316L CD H11 ASTM A276	5.19
BHS028G316L+0300	G316L	28.0mm	HEX BAR G316L CD H11 ASTM A276	5.57
BHS032G316L+0400	G316L	32.0mm	HEX BAR G316L CD H11 ASTM A276	7.01
BHS036G316L+0300	G316L	36.0mm	HEX BAR G316L CD H11 ASTM A276	9.00
BHS0413G316L+0300	G316L	41.27mm	HEX BAR G316L CD H11 ASTM A276	11.90
BHS041G316L+0300	G316L	41.0mm	HEX BAR G316L CD H11 ASTM A276	11.80
BHS0635G316L+0300	G316L	63.5mm	HEX BAR G316L CD H11 ASTM A276	27.87

Square Bar



Grades: 304, 316L

Finish: Cold Drawn (CD), HRAP

Unit of Supply:

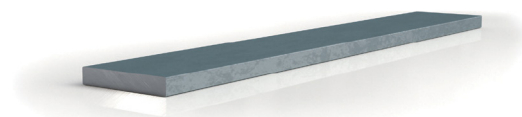
4 – 6 m random lengths

Certification: Acc. to ASTM A276

BSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight ea (kg)	kg/m
G304 CD						
BSS008G304C+0400	G304	CD	8mm	SQUARE BAR CD H11 G304 ASTM A276	2.05	0.51
BSS010G304C+0400	G304	CD	10mm	SQUARE BAR CD H11 G304 ASTM A276	3.20	0.80
BSS012G304C+0400	G304	CD	12mm	SQUARE BAR CD H11 G304 ASTM A276	4.61	1.15
BSS016G304C+0400	G304	CD	16mm	SQUARE BAR CD H11 G304 ASTM A276	8.19	2.05
BSS020G304C+0400	G304	CD	20mm	SQUARE BAR CD H11 G304 ASTM A276	12.80	3.20
BSS025G304C+0400	G304	CD	25mm	SQUARE BAR CD H11 G304 ASTM A276	20.00	5.00
BSS030G304C+0400	G304	CD	30mm	SQUARE BAR CD H11 G304 ASTM A276	28.80	7.20
BSS032G304C+0400	G304	CD	32mm	SQUARE BAR CD H11 G304 ASTM A276	32.77	8.19
BSS040G304C+0400	G304	CD	40mm	SQUARE BAR CD H11 G304 ASTM A276	51.20	12.80
BSS050G304C+0400	G304	CD	50mm	SQUARE BAR CD H11 G304 ASTM A276	80.00	20.00
G304 HRAP						
BSS020G304H+0600	G304	HRAP	20mm	SQUARE BAR HRAP G304 ASTM A276	19.20	3.20
BSS025G304H+0600	G304	HRAP	25mm	SQUARE BAR HRAP G304 ASTM A276	30.00	5.00
BSS030G304H+0600	G304	HRAP	30mm	SQUARE BAR HRAP G304 ASTM A276	43.20	7.20
BSS032G304H+0600	G304	HRAP	32mm	SQUARE BAR HRAP G304 ASTM A276	49.15	8.19
BSS040G304H+0600	G304	HRAP	40mm	SQUARE BAR HRAP G304 ASTM A276	76.80	12.80
BSS050G304H+0600	G304	HRAP	50mm	SQUARE BAR HRAP G304 ASTM A276	120.00	20.00
G316 CD						
BSS006G316C+0400	G316	CD	6mm	SQUARE BAR CD H11 G316 ASTM A276	1.15	0.29
BSS008G316C+0300	G316	CD	8mm	SQUARE BAR CD H11 G316 ASTM A276	1.54	0.51
BSS008G316C+0400	G316	CD	8mm	SQUARE BAR CD H11 G316 ASTM A276	2.05	0.51
BSS010G316C+0400	G316	CD	10mm	SQUARE BAR CD H11 G316 ASTM A276	3.20	0.80
BSS012G316C+0400	G316	CD	12mm	SQUARE BAR CD H11 G316 ASTM A276	4.61	1.15
BSS016G316C+0400	G316	CD	16mm	SQUARE BAR CD H11 G316 ASTM A276	8.19	2.05
BSS020G316C+0400	G316	CD	20mm	SQUARE BAR CD H11 G316 ASTM A276	12.80	3.20
BSS025G316C+0400	G316	CD	25mm	SQUARE BAR CD H11 G316 ASTM A276	20.00	5.00
BSS030G316C+0400	G316	CD	30mm	SQUARE BAR CD H11 G316 ASTM A276	28.80	7.20
BSS040G316C+0400	G316	CD	40mm	SQUARE BAR CD H11 G316 ASTM A276	51.20	12.80
G316 HRAP						
BSS050G316H+0600	G316	HRAP	50mm	SQUARE BAR HRAP G316 ASTM A276	120.00	20.00

Flat Bar



Grades: 304, 316

Finish: SRE, HRAP, POL (Polished)

BFS

Unit of Supply:

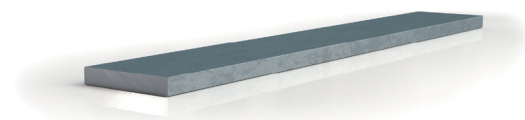
SRE 4m lengths, HRAP 6m lengths,

Polished 4m lengths

Certification: Acc. to ASTM A276 / A484

Product Code	Grade	Finish	Product Size (mm)	Description	kg/m
G304 SRE					
BFS01203G304S+0400	G304	SRE	12 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	0.29
BFS02003G304S+0400	G304	SRE	20 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	0.47
BFS02005G304S+0400	G304	SRE	20 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	0.80
BFS02006G304S+0400	G304	SRE	20 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	0.94
BFS02503G304S+0400	G304	SRE	25 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	0.59
BFS02505G304S+0400	G304	SRE	25 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	0.99
BFS02506G304S+0400	G304	SRE	25 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	1.18
BFS03003G304S+0400	G304	SRE	30 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	0.71
BFS03005G304S+0400	G304	SRE	30 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	1.18
BFS03006G304S+0400	G304	SRE	30 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	1.41
BFS03010G304S+0400	G304	SRE	30 x 10mm	FLAT BAR SRE G304 ASTM A276/A484	2.36
BFS04003G304S+0400	G304	SRE	40 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	0.94
BFS04005G304S+0400	G304	SRE	40 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	1.57
BFS04006G304S+0400	G304	SRE	40 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	1.89
BFS04010G304S+0400	G304	SRE	40 x 10mm	FLAT BAR SRE G304 ASTM A276/A484	3.14
BFS05003G304S+0400	G304	SRE	50 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	1.18
BFS05005G304S+0400	G304	SRE	50 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	1.96
BFS05006G304S+0400	G304	SRE	50 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	2.36
BFS05010G304S+0400	G304	SRE	50 x 10mm	FLAT BAR SRE G304 ASTM A276/A484	3.93
BFS06505G304S+0400	G304	SRE	65 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	2.55
BFS06506G304S+0400	G304	SRE	65 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	3.06
BFS06510G304S+0400	G304	SRE	65 x 10mm	FLAT BAR SRE G304 ASTM A276/A484	5.10
BFS07503G304S+0400	G304	SRE	75 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	1.80
BFS07505G304S+0400	G304	SRE	75 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	2.94
BFS07506G304S+0400	G304	SRE	75 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	3.53
BFS07510G304S+0400	G304	SRE	75 x 10mm	FLAT BAR SRE G304 ASTM A276/A484	5.89
BFS10003G304S+0400	G304	SRE	100 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	2.40
BFS10005G304S+0400	G304	SRE	100 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	3.93
BFS10006G304S+0400	G304	SRE	100 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	4.71
BFS10010G304S+0400	G304	SRE	100 x 10mm	FLAT BAR SRE G304 ASTM A276/A484	7.85
BFS10012G304S+0400	G304	SRE	100 x 12mm	FLAT BAR SRE G304 ASTM A276/A484	9.42
BFS15006G304S+0400	G304	SRE	150 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	7.07
BFS15010G304S+0400	G304	SRE	150 x 10mm	FLAT BAR SRE G304 ASTM A276/A484	12.00
BFS20006G304S+0400	G304	SRE	200 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	9.42
BFS20010G304S+0400	G304	SRE	200 x 10mm	FLAT BAR SRE G304 ASTM A276/A484	16.00

Flat Bar



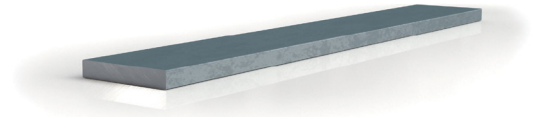
Grades: 304, 316
Finish: SRE, HRAP, POL (Polished)

BFS

Unit of Supply:
 SRE 4m lengths, HRAP 6m lengths,
 Polished 4m lengths
Certification: Acc. to ASTM A276 / A484

Product Code	Grade	Finish	Product Size (mm)	Description	kg/m
G316 SRE					
BFS02003G316S+0400	G316	SRE	20 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	0.48
BFS02005G316S+0400	G316	SRE	20 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	0.80
BFS02006G316S+0400	G316	SRE	20 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	0.94
BFS02503G316S+0400	G316	SRE	25 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	0.60
BFS02505G316S+0400	G316	SRE	25 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	0.98
BFS02506G316S+0400	G316	SRE	25 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	1.18
BFS03003G316S+0400	G316	SRE	30 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	0.72
BFS03005G316S+0400	G316	SRE	30 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	1.18
BFS03006G316S+0400	G316	SRE	30 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	1.41
BFS03010G316S+0400	G316	SRE	30 x 10mm	FLAT BAR SRE G316 ASTM A276/A484	2.40
BFS04003G316S+0400	G316	SRE	40 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	0.96
BFS04005G316S+0400	G316	SRE	40 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	1.57
BFS04006G316S+0400	G316	SRE	40 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	1.89
BFS04010G316S+0400	G316	SRE	40 x 10mm	FLAT BAR SRE G316 ASTM A276/A484	3.14
BFS05003G316S+0400	G316	SRE	50 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	1.20
BFS05005G316S+0400	G316	SRE	50 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	1.96
BFS05006G316S+0400	G316	SRE	50 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	2.36
BFS05010G316S+0400	G316	SRE	50 x 10mm	FLAT BAR SRE G316 ASTM A276/A484	3.93
BFS06506G316S+0400	G316	SRE	65 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	3.06
BFS06510G316S+0400	G316	SRE	65 x 10mm	FLAT BAR SRE G316 ASTM A276/A484	5.20
BFS07506G316S+0400	G316	SRE	75 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	3.53
BFS07510G316S+0400	G316	SRE	75 x 10mm	FLAT BAR SRE G316 ASTM A276/A484	5.89
BFS10006G316S+0400	G316	SRE	100 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	4.80
BFS10010G316S+0400	G316	SRE	100 x 10mm	FLAT BAR SRE G316 ASTM A276/A484	7.85
BFS10012G316S+0400	G316	SRE	100 x 12mm	FLAT BAR SRE G316 ASTM A276/A484	9.42
BFS15006G316S+0400	G316	SRE	150 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	7.20
BFS15010G316S+0400	G316	SRE	150 x 10mm	FLAT BAR SRE G316 ASTM A276/A484	12.00
BFS20006G316S+0400	G316	SRE	200 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	9.60
BFS20010G316S+0400	G316	SRE	200 x 10mm	FLAT BAR SRE G316 ASTM A276/A484	16.00
G304 HRAP					
BFS02510G304H+0600	G304	HRAP	25 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	2.00
BFS03005G304H+0400	G304	HRAP	30 x 5mm	FLAT BAR HRAP G304 ASTM A276/A484	1.18
BFS03010G304H+0600	G304	HRAP	30 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	2.40
BFS04005G304H+0600	G304	HRAP	40 x 5mm	FLAT BAR HRAP G304 ASTM A276/A484	1.60
BFS04010G304H+0600	G304	HRAP	40 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	3.20
BFS04012G304H+0600	G304	HRAP	40 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	3.84
BFS04016G304H+0600	G304	HRAP	40 x 16mm	FLAT BAR HRAP G304 ASTM A276/A484	5.12
BFS04020G304H+0600	G304	HRAP	40 x 20mm	FLAT BAR HRAP G304 ASTM A276/A484	6.40
BFS05006G304H+0600	G304	HRAP	50 x 6mm	FLAT BAR HRAP G304 ASTM A276/A484	2.35
BFS05010G304H+0600	G304	HRAP	50 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	4.00
BFS05012G304H+0600	G304	HRAP	50 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	4.80
BFS05016G304H+0600	G304	HRAP	50 x 16mm	FLAT BAR HRAP G304 ASTM A276/A484	6.40
BFS05020G304H+0600	G304	HRAP	50 x 20mm	FLAT BAR HRAP G304 ASTM A276/A484	8.00
BFS05025G304H+0600	G304	HRAP	50 x 25mm	FLAT BAR HRAP G304 ASTM A276/A484	10.00
BFS06510G304H+0600	G304	HRAP	65 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	5.20
BFS07510G304H+0600	G304	HRAP	75 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	6.01
BFS07512G304H+0600	G304	HRAP	75 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	7.35

Flat Bar



Grades: 304, 316

Finish: SRE, HRAP, POL (Polished)

BFS

Unit of Supply:

SRE 4m lengths, HRAP 6m lengths,

Polished 4m lengths

Certification: Acc. to ASTM A276 / A484

Product Code	Grade	Finish	Product Size (mm)	Description	kg/m
BFS07516G304H+0600	G304	HRAP	75 x 16mm	FLAT BAR HRAP G304 ASTM A276/A484	9.60
BFS10010G304H+0600	G304	HRAP	100 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	8.00
BFS10012G304H+0600	G304	HRAP	100 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	9.60
BFS10016G304H+0600	G304	HRAP	100 x 16mm	FLAT BAR HRAP G304 ASTM A276/A484	12.80
BFS10020G304H+0600	G304	HRAP	100 x 20mm	FLAT BAR HRAP G304 ASTM A276/A484	16.00
BFS10025G304H+0600	G304	HRAP	100 x 25mm	FLAT BAR HRAP G304 ASTM A276/A484	20.00

G316 HRAP

BFS02512G316H+0600	G316	HRAP	25 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	2.53
BFS04012G316H+0600	G316	HRAP	40 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	3.84
BFS05010G316H+0600	G316	HRAP	50 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	4.02
BFS05012G316H+0600	G316	HRAP	50 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	4.80
BFS06512G316H+0600	G316	HRAP	65 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	6.32
BFS07510G316H+0600	G316	HRAP	75 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	6.00
BFS07512G316H+0600	G316	HRAP	75 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	7.20
BFS10010G316H+0600	G316	HRAP	100 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	8.04

G304 POLISHED

BFS02003G304P+0400	G304	POL	20 x 3mm	FLAT BAR POLISHED G304 ASTM A276/A484	0.48
BFS02505G304P+0400	G304	POL	25 x 5mm	FLAT BAR POLISHED G304 ASTM A276/A484	1.00
BFS04005G304P+0400	G304	POL	40 x 5mm	FLAT BAR POLISHED G304 ASTM A276/A484	1.60
BFS05005G304P+0400	G304	POL	50 x 5mm	FLAT BAR POLISHED G304 ASTM A276/A484	2.00
BFS05006G304P+0400	G304	POL	50 x 6mm	FLAT BAR POLISHED G304 ASTM A276/A484	2.40
BFS05010G304P+0400	G304	POL	50 x 10mm	FLAT BAR POLISHED G304 ASTM A276/A484	4.00
BFS10006G304P+0400	G304	POL	100 x 6mm	FLAT BAR POLISHED G304 ASTM A276/A484	4.71
BFS15006G304P+0400	G304	POL	150 x 6mm	FLAT BAR POLISHED G304 ASTM A276/A484	7.20

G316 POLISHED

BFS05005G316P+0400	G316	POL	50 x 5mm	FLAT BAR POLISHED G316 ASTM A276/A484	2.00
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HRAP = Hot Rolled, Annealed, Pickled. Lengths normally 6 metre.

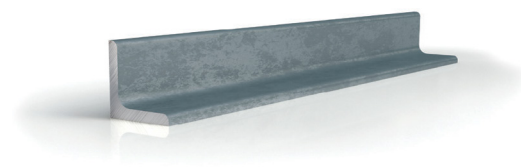
SRE = Slit, Rolled Edge. Lengths normally 4 meter.

POL = Polished 4 sides. Lengths normally 4 meter.

Polishing service available.

Cutting: we offer a close precision cutting service - please enquire. Standard cutting tolerance - 0 / + 3 mm.

Equal Angle



Grades: 304, 316

Finish: HRAP

Unit of Supply:

6m lengths

Certification: Acc. to ASTM A276 / A484

AES

Product Code	Grade	Product Size (mm)	Description	kg/m
G304				
AES02002003G304H+0600	G304	20.0 x 20.0 x 3.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	0.89
AES02502503G304H+0600	G304	25.0 x 25.0 x 3.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	1.13
AES02502505G304H+0600	G304	25.0 x 25.0 x 5.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	1.77
AES03003003G304H+0600	G304	30.0 x 30.0 x 3.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	1.36
AES03003005G304H+0600	G304	30.0 x 30.0 x 5.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	2.17
AES04004003G304H+0600	G304	40.0 x 40.0 x 3.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	1.85
AES04004005G304H+0600	G304	40.0 x 40.0 x 5.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	2.97
AES05005003G304H+0600	G304	50.0 x 50.0 x 3.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	2.36
AES05005005G304H+0600	G304	50.0 x 50.0 x 5.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	3.79
AES05005006G304H+0600	G304	50.0 x 50.0 x 6.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	4.46
AES06506506G304H+0600	G304	65.0 x 65.0 x 6.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	5.95
AES07507506G304H+0600	G304	75.0 x 75.0 x 6.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	6.89
AES07507510G304H+0600	G304	75.0 x 75.0 x 10.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	11.10
AES10010006G304H+0600	G304	100.0 x 100.0 x 6.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	9.28
AES10010010G304H+0600	G304	100.0 x 100.0 x 10.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	15.00
AES15015010G304H+0600	G304	150.0 X 150.0 X 10.0mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	22.83

G316

AES02502503G316H+0600	G316	25.0 x 25.0 x 3.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	1.13
AES02502505G316H+0600	G316	25.0 x 25.0 x 5.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	1.77
AES03003003G316H+0600	G316	30.0 x 30.0 x 3.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	1.36
AES03003005G316H+0600	G316	30.0 x 30.0 x 5.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	2.18
AES04004003G316H+0600	G316	40.0 x 40.0 x 3.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	1.85
AES04004005G316H+0600	G316	40.0 x 40.0 x 5.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	2.97
AES05005003G316H+0600	G316	50.0 x 50.0 x 3.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	2.36
AES05005005G316H+0600	G316	50.0 x 50.0 x 5.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	3.79
AES05005006G316H+0600	G316	50.0 x 50.0 x 6.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	4.46
AES06506506G316H+0600	G316	65.0 x 65.0 x 6.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	5.95
AES07507506G316H+0600	G316	75.0 x 75.0 x 6.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	6.89
AES07507510G316H+0600	G316	75.0 x 75.0 x 10.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	11.10
AES10010006G316H+0600	G316	100.0 x 100.0 x 6.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	9.28
AES10010010G316H+0600	G316	100.0 x 100.0 x 10.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	15.25
AES15015006G316LF+0600	G316	150.0 X 150.0 X 6.0mm	EQUAL ANGLE LASER FUSED G316 ASTM A1069	14.27
AES15015010G316H+0600N	G316	150.0 X 150.0 X 10.0mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	22.83
AES20020007G316LF+0600	G316	200.0 X 200.0 X 7.0mm	EQUAL ANGLE LASER FUSED G316 ASTM A1069	22.00
AES20020010G316LF+0600	G316	200.0 X 200.0 X 10.0mm	EQUAL ANGLE LASER FUSED G316 ASTM A1069	31.67

Division	Tolerance
	Metric Size
Squareness of legs	90° ± 2°
Straightness	Not exceeding 3 mm / metre
Length	+ 50 mm, – 0 mm
Weight	≤ 9 kg/m ± 7.5%
	> 9 kg/m ± 4.5%

A full size range can be produced via Laser Fused Solutions on request.

Size tolerances are in accordance with JIS G 4317.

Unequal Angle

Grades: 304, 316

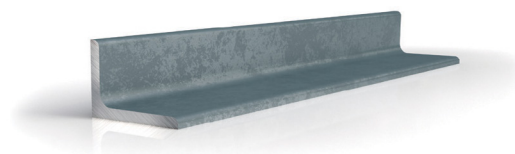
Finish: HRAP

AUS

Unit of Supply:

6m lengths

Certification: Acc. to ASTM A276 / A484



Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)	kg/m
AUS07505006G316H+0600	G316	75.0 x 50.0 x 6.0mm	UNEQUAL ANGLE HRAP G316 ASTM A276/A484	36.18	6.03
AUS10005006G316H+0600	G316	100.0 x 50.0 x 6.0mm	UNEQUAL ANGLE HRAP G316 ASTM A276/A484	43.80	7.30

A full size range can be produced via Laser Fused Solutions on request.

Channels

Grades: 304, 316

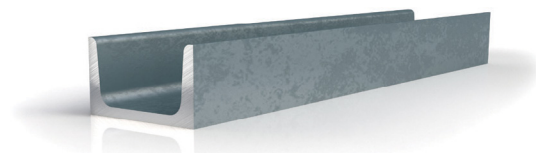
Finish: HRAP (Hot Rolled Annealed & Pickled)

CHS

Unit of Supply:

6m lengths

Certification: Acc. to ASTM A276 / A484

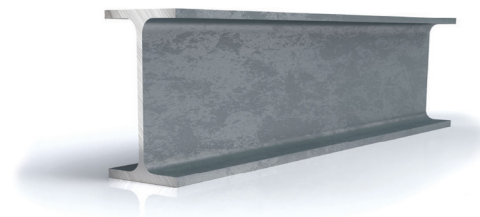


Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)	kg/m
CHS0800405G304+0600	G304	80.0 x 40.0 x 5.0mm	CHANNEL HRAP G304 ASTM A276/A484	35.76	5.96
CHS1000506G304+0600	G304	100.0 x 50.0 x 6.0mm	CHANNEL HRAP G304 ASTM A276/A484	53.88	8.98
CHS1500756G304+0600	G304	150.0 x 75.0 x 6.0mm	CHANNEL HRAP G304 ASTM A276/A484	82.80	13.80
CHS0800405G316+0600	G316	80.0 x 40.0 x 5.0mm	CHANNEL HRAP G316 ASTM A276/A484	35.76	5.96
CHS1000506G316+0600	G316	100.0 x 50.0 x 6.0mm	CHANNEL HRAP G316 ASTM A276/A484	53.88	8.98
CHS1300656G316+0600	G316	130.0 x 65.0 x 6.0mm	CHANNEL HRAP G316 ASTM A276/A484	71.40	11.90
CHS1500756G316+0600	G316	150.0 x 75.0 x 6.0mm	CHANNEL HRAP G316 ASTM A276/A484	82.80	13.80
CHS20010006G316+0600	G316	200.0 x 100.0 x 6.0mm	CHANNEL HRAP G316 ASTM A276/A484	111.98	18.66
CHS2501256G316+0600	G316	250.0 X 125.0 X 6.0mm	CHANNEL LASER FUSED G316 ASTM A1069	140.4	23.40
CHS3001506G316+0600	G316	300.0 X 150.0 X 6.0mm	CHANNEL LASER FUSED G316 ASTM A1069	169.2	28.20

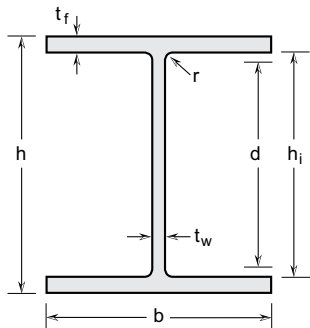
A full size range can be produced via Laser Fused Solutions on request.

Universal Beams & Columns

According to ASTM A276 / A479 / A484



Available sizes – ex. mill production or overseas stockists



Laser fused

according to ASTM A1069, dimensional tolerances and grades,
according to ASTM A276, ASTM A484, ASTM A479, ASME SA479,
MTC EN 10204 3.1

Stainless steel

Standard stainless steel grades 304/L and 316/L
Annealed and pickled, lengths of 6000 -0/+100 mm

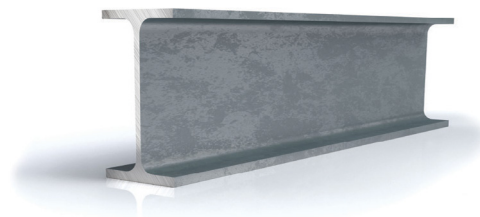
General properties

Designation		Dimensions						Dimensions for detailing	
	G kg/m	h mm	b mm	t _w mm	t _f mm	r * mm	A mm ² x10 ²	h _i mm	d mm
100 x 50	9.1	100	50	5	7	2	11.33	86	82
100 x 100	14.7	100	100	5	7	2	18.33	86	82
	16.9	100	100	6	8	2	21.07	84	80
125 x 60	12.9	125	60	6	8	2	16.17	109	105
125 x 125	23.6	125	125	6.5	9	2	29.49	107	103
150 x 75	13.9	150	75	5	7	2	17.33	136	132
150 x 100	20.7	148	100	6	9	2	25.83	130	126
150 x 150	31.3	150	150	7	10	2	39.13	130	126
	37.3	154	151	8	12	2	46.67	130	126
175 x 90	17.9	175	90	5	8	2	22.38	159	155
175 x 125	23	175	125	5.5	8	2	28.78	159	155
175 x 175	32.4	171	174	6	9	2	40.53	153	149
	40	175	175	7.5	11	2	50.01	153	149
200 x 100	17.7	198	99	4.5	7	2	22.17	184	180
	20.9	200	100	5.5	8	2	26.15	184	180
200 x 150	30.1	194	150	6	9	2	37.59	176	172
	36.5	198	151	7	11	2	45.57	176	172
200 x 200	41	196	199	6.5	10	2	51.27	176	172
	49.7	200	200	8	12	2	62.11	176	172
	57.7	204	201	9	14	2	72.15	176	172
	65.8	208	202	10	16	2	82.27	176	172
250 x 125	25.2	248	124	5	8	2	31.47	232	228
	29.2	250	125	6	9	2	36.45	232	228
250 x 175	43.3	244	175	7	11	2	54.07	222	218
	50.8	248	176	8	13	2	63.55	222	218
	58.5	252	177	9	15	2	73.11	222	218
250 x 250	66	248	249	8	13	2	82.53	222	218
	72	250	250	9	14	2	90.01	222	218
	98.3	260	253	12	19	2	122.81	222	218

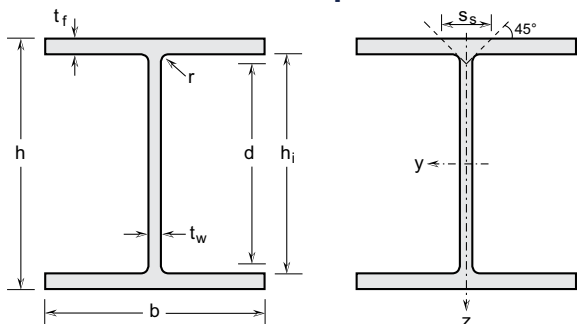
* Profiles are laser fused with full penetration, equivalent to hot rolled (r = laser seam).

Universal Beams & Columns

According to ASTM A276 / A479 / A484



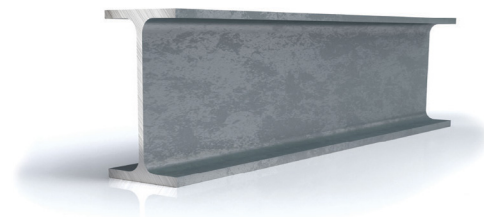
Available sizes - ex. mill production or overseas stockists



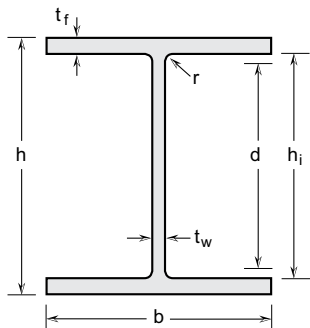
Structural properties												
Designation	Strong axis y-y					Weak axis z-z						
	I_y	$W_{el,y}$	$W_{pl,y}$	i_y	A_{vz}	I_z	$W_{el,z}$	$W_{pl,z}$	i_z	S_s	I_t	I_w
	mm ⁴	mm ³	mm ³	mm	mm ²	mm ⁴	mm ³	mm ³	mm	mm	mm ⁴	mm ⁶
	x10 ⁴	x10 ³	x10 ³	x10	x10 ²	x10 ⁴	x10 ³	x10 ³	x10		x10 ⁴	x10 ⁹
100 x 50	178.77	35.75	41.94	3.97	4.96	14.68	5.87	9.3	1.14	21.34	1.55	0.32
100 x 100	330.41	66.08	74.49	4.25	4.96	116.76	23.35	35.55	2.52	21.34	2.7	2.52
	369.64	73.93	84.33	4.19	5.87	133.49	26.7	40.77	2.52	24.34	4.11	2.82
125 x 60	394.8	63.17	74.17	4.94	7.37	29	9.67	15.39	1.34	24.34	2.92	0.99
125 x 125	825.74	132.12	149.29	5.29	7.93	293.22	46.91	71.46	3.15	26.84	7.15	9.86
150 x 75	643.59	85.81	98.43	6.09	7.46	49.36	13.16	20.55	1.69	21.34	2.33	2.52
150 x 100	981.94	132.69	150.67	6.17	8.73	150.24	30.05	46.18	2.41	26.34	5.84	7.25
150 x 150	1602.09	213.61	239.8	6.4	10.23	562.88	75.05	114.11	3.79	29.34	11.57	27.56
	1979.11	257.03	291.33	6.51	11.87	689.15	91.28	138.9	3.84	34.34	19.63	34.71
175 x 90	1174.41	134.22	152.11	7.24	8.7	97.37	21.64	33.4	2.09	23.34	3.75	6.78
175 x 125	1581.9	180.79	202.03	7.41	9.54	260.64	41.7	63.71	3.01	23.84	5.2	18.16
175 x 175	2238.09	261.76	289.07	7.43	10.11	790.48	90.86	137.63	4.42	26.34	9.6	51.85
	2818.46	322.11	359.85	7.51	12.77	983.1	112.35	170.6	4.43	31.84	17.74	66.07
200 x 100	1501.12	151.63	170.77	8.23	8.91	113.34	22.9	35.24	2.26	20.84	2.85	10.32
	1763.81	176.38	200.47	8.21	10.91	133.59	26.72	41.4	2.26	23.84	4.48	12.29
200 x 150	2587.23	266.72	296.51	8.3	11.49	506.57	67.54	102.85	3.67	26.34	8.6	43.32
	3228.18	326.08	365.12	8.42	13.56	631.72	83.67	127.58	3.72	31.34	15.39	55.18
	3743.56	382	420.78	8.54	12.52	1313.84	132.04	199.88	5.06	28.84	14.9	113.6
	4613.12	461.31	513.45	8.62	15.55	1600.76	160.08	242.83	5.08	34.34	26.06	141.38
200 x 200	5499.98	539.21	604.66	8.73	17.69	1895.88	188.65	286.39	5.13	39.34	40.9	171.01
	6427.96	618.07	698.28	8.84	19.87	2199.45	217.77	330.85	5.17	44.34	60.55	202.57
250 x 125	3382.9	272.81	305.76	10.37	12.35	254.46	41.04	62.96	2.84	23.34	5.21	36.61
	3897.52	311.8	352.26	10.34	14.85	293.39	46.94	72.41	2.84	26.34	7.79	42.54
	5871.62	481.28	535.15	10.42	16.78	983.19	112.36	171.17	4.26	31.34	18.05	133.35
250 x 175	7057.79	569.18	636.63	10.54	19.35	1182.17	134.34	204.91	4.31	36.34	29.4	163.08
	8291.17	658.03	740.5	10.65	21.96	1387.67	156.8	239.48	4.36	41.34	44.77	194.67
	9680.88	780.72	859.64	10.83	19.35	3345.91	268.75	406.57	6.37	36.34	40.09	461.81
250 x 250	10583.01	846.64	937.27	10.84	21.83	3647.19	291.78	442.01	6.37	39.34	50.98	507.65
	15086.99	1160.54	1306.72	11.08	29.71	5131.4	405.64	616.1	6.46	52.34	127.43	744.63

Universal Beams & Columns

According to ASTM A276 / A479 / A484



Available sizes – ex. mill production or overseas stockists



Laser fused

according to ASTM A1069, dimensional tolerances and grades,
according to ASTM A276, ASTM A484, ASTM A479, ASME SA479,
MTC EN 10204 3.1

Stainless steel

Standard stainless steel grades 304/L and 316/L
Annealed and pickled, lengths of 6000 -0/+100 mm

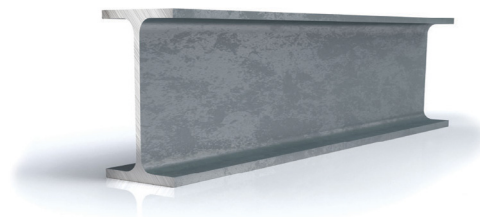
General properties

Designation		Dimensions						Dimensions for detailing	
	G	h	b	t _w	t _f	r *	A	h _i	d
	kg/m	mm	mm	mm	mm	mm	mm ² x10 ²	mm	mm
300 x 150	24.4	294	148	4.5	6	2	30.48	282	278
	31.5	298	149	5.5	8	2	39.38	282	278
	36.3	300	150	6.5	9	2	45.36	282	278
	41.1	304	150	6.5	11	2	51.36	282	278
	45.9	306	151	7.5	12	2	57.42	282	278
	69.2	318	154	11	18	2	86.49	282	278
300 x 200	47	290	199	7	10	2	58.73	270	266
	55.7	294	200	8	12	2	69.63	270	266
	64.5	298	201	9	14	2	80.61	270	266
	76.6	304	202	10	17	2	95.71	270	266
300 x 300	86.4	298	299	9	14	2	108.05	270	266
	93.6	300	300	10	15	2	117.03	270	266
	105.7	304	301	11	17	2	132.07	270	266
	125.1	310	303	13	20	2	156.33	270	266
	130	310	305	15	20	2	162.53	270	266
	147.4	312	310	20	21	2	184.23	270	266
350 x 175	40.8	346	174	6	9	2	51.03	328	324
	49.2	350	175	7	11	2	61.49	328	324
	57.6	354	176	8	13	2	72.03	328	324
	66.1	358	177	9	15	2	82.65	328	324
	71.8	360	178	10	16	2	89.79	328	324
	79.9	364	177	11	18	2	99.83	328	324
350 x 350	114.1	344	348	10	16	2	142.59	312	308
	136.4	350	350	12	19	2	170.47	312	308
400 x 200	56	396	199	7	11	2	69.99	374	370
	65.6	400	200	8	13	2	81.95	374	370
	75.2	404	201	9	15	2	93.99	374	370
	88.1	410	202	10	18	2	110.15	374	370

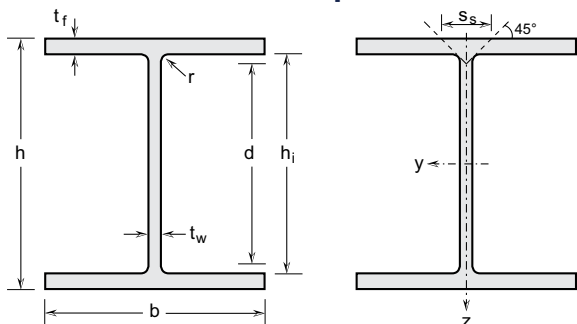
* Profiles are laser fused with full penetration, equivalent to hot rolled (r = laser seam).

Universal Beams & Columns

According to ASTM A276 / A479 / A484



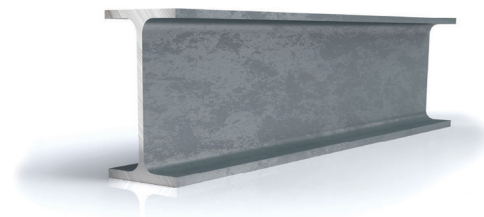
Available sizes - ex. mill production or overseas stockists



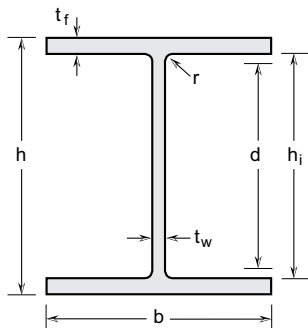
Structural properties												
Designation	Strong axis y-y					Weak axis z-z						
	I_y	$W_{el,y}$	$W_{pl,y}$	i_y	A_{vz}	I_z	$W_{el,z}$	$W_{pl,z}$	i_z	S_s	I_t	I_w
	mm ⁴	mm ³	mm ³	mm	mm ²	mm ⁴	mm ³	mm ³	mm	mm	mm ⁴	mm ⁶
	x10 ⁴	x10 ³	x10 ³	x10	x10 ²	x10 ⁴	x10 ³	x10 ³	x10		x10 ⁴	x10 ⁹
300 x 150	4531.00	308.23	345.69	12.19	13.23	324.40	43.84	67.15	3.26	18.84	3.03	67.22
	6048.26	405.92	455.51	12.39	16.30	441.45	59.26	90.95	3.35	23.84	6.70	92.73
	6939.30	462.62	522.56	12.37	19.31	506.90	67.59	104.24	3.34	26.84	9.97	107.17
	8307.38	546.54	613.16	12.72	19.52	619.40	82.59	126.74	3.47	30.84	15.80	132.80
	9243.84	604.17	682.32	12.69	22.56	689.59	91.34	140.79	3.47	33.84	21.28	148.80
	14551.45	915.19	1050.77	12.97	33.75	1098.82	142.70	221.99	3.56	49.34	71.38	246.53
300 x 200	8958.51	617.83	685.24	12.35	20.03	1314.21	132.08	201.33	4.73	29.34	16.44	257.43
	10867.06	739.26	823.06	12.49	23.07	1601.16	160.12	244.34	4.8	34.34	27.67	318.10
	12839.93	861.74	963.66	12.62	26.15	1896.46	188.70	288.29	4.85	39.34	43.18	382.07
	15805.77	1039.85	1168.27	12.85	29.41	2337.61	231.45	353.60	4.94	46.34	74.23	480.90
300 x 300	18377.42	1233.38	1353.31	13.04	26.15	6238.86	417.31	631.29	7.6	39.34	61.11	1257.67
	19938.97	1329.26	1465.21	13.05	29.13	6752.26	450.15	681.77	7.6	42.34	76.39	1370.67
	22909.25	1507.19	1669.52	13.17	32.28	7729.76	513.61	778.30	7.65	47.34	110.10	1591.11
	27661.24	1784.60	1994.79	13.30	38.53	9277.67	612.39	929.52	7.7	55.34	180.30	1949.59
	28157.76	1816.63	2042.84	13.16	44.33	9465.16	620.67	945.46	7.63	57.34	193.73	1988.45
	30898.23	1980.66	2259.37	12.95	59.07	10444.89	673.86	1036.09	7.53	64.34	270.32	2207.39
350 x 175	10668.13	616.65	689.68	14.46	20.61	790.80	90.90	139.21	3.94	26.34	10.86	224.36
	13132.65	750.44	841.41	14.61	24.20	983.49	112.40	172.47	4	31.34	19.26	282.29
	15670.68	885.35	995.94	14.75	27.83	1182.62	134.39	206.61	4.05	36.34	31.21	343.38
	18283.61	1021.43	1153.29	14.87	31.50	1388.31	156.87	241.63	4.1	41.34	47.34	407.74
	19813.01	1100.72	1249.23	14.85	35.07	1506.68	169.29	261.69	4.1	44.34	59.07	444.92
	22331.84	1227.02	1398.77	14.96	38.81	1667.22	188.39	291.90	4.09	49.34	82.37	497.89
350 x 350	32514.40	1890.37	2070.20	15.10	33.47	11241.06	646.04	976.65	8.88	44.34	104.96	3022.69
	39514.49	2257.97	2493.72	15.22	40.51	13581.59	776.09	1175.00	8.93	52.34	176.96	3718.8
400 x 200	19291.22	974.30	1088.19	16.60	27.42	1445.85	145.31	222.40	4.54	31.34	21.92	535.38
	22976.82	1148.84	1286.59	16.74	31.51	1734.94	173.49	266.00	4.6	36.34	35.51	649.00
	26758.42	1324.67	1488.20	16.87	35.64	2032.43	202.23	310.60	4.65	41.34	53.86	768.01
	32327.17	1576.94	1775.64	17.13	39.95	2475.85	245.13	376.60	4.74	48.34	89.5	949.92

Universal Beams & Columns

According to ASTM A276 / A479 / A484



Available sizes – ex. mill production or overseas stockists



Laser fused

according to ASTM A1069, dimensional tolerances and grades, according to ASTM A276, ASTM A484, ASTM A479, ASME SA479, MTC EN 10204 3.1

Stainless steel

Standard stainless steel grades 304/L and 316/L
Annealed and pickled, lengths of 6000 -0/+100 mm

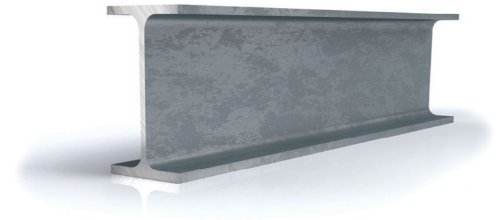
General properties

Designation		Dimensions						Dimensions for detailing	
	G kg/m	h mm	b mm	t _w mm	t _f mm	r * mm	A mm ² x10 ²	h _i mm	d mm
400 x 300	92.8	386	299	9	14	2	115.97	358	354
	105.5	390	300	10	16	2	131.83	358	354
	126.2	396	302	12	19	2	157.75	358	354
400 x 400	139.5	388	402	15	15	2	174.33	358	354
	146.2	394	398	11	18	2	182.69	358	354
	171.7	400	400	13	21	2	214.57	358	354
450 x 200	65.2	446	199	8	12	2	81.55	422	418
	75.2	450	200	9	14	2	94.01	422	418
	88.5	456	201	10	17	2	110.57	422	418
	98.6	460	202	11	19	2	123.21	422	418
	109.6	460	205	14	19	2	137.01	422	418
450 x 300	104.1	434	299	10	15	2	130.13	404	400
	122.0	440	300	11	18	2	152.47	404	400
	143.5	446	302	13	21	2	179.39	404	400
500 x 200	78.3	496	199	9	14	2	97.87	468	464
	88.7	500	200	10	16	3	110.88	468	462
	102.4	506	201	11	19	4	128	468	460
	116.2	512	202	12	22	5	145.25	468	458
500 x 300	112.0	482	300	11	15	6	140.03	452	440
	126.5	488	300	11	18	7	158.14	452	438
	148.9	494	302	13	21	8	186.15	452	436
600 x 200	77.8	592	197	8	13	9	97.2	566	548
	93.7	596	199	10	15	10	117.16	566	546
	105.0	600	200	11	17	11	131.3	566	544
	119.6	606	201	12	20	12	149.56	566	542
600 x 300	135.4	582	300	12	17	13	169.21	548	522
	150.0	588	300	12	20	14	187.44	548	520
	174.1	594	302	14	23	15	217.57	548	518

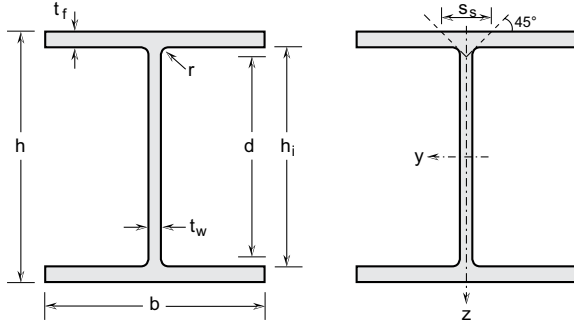
* Profiles are laser fused with full penetration, equivalent to hot rolled (r = laser seam).

Universal Beams & Columns

According to ASTM A276 / A479 / A484



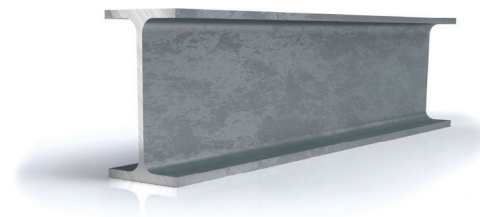
Available sizes - ex. mill production or overseas stockists



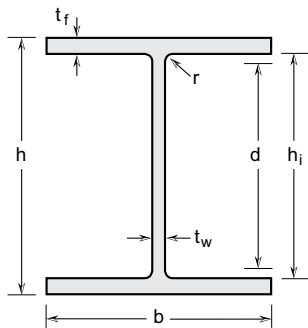
Structural properties												
Designation	Strong axis y-y					Weak axis z-z						
	I_y	$W_{el,y}$	$W_{pl,y}$	i_y	A_{vz}	I_z	$W_{el,z}$	$W_{pl,z}$	i_z	S_s	I_t	I_w
	mm ⁴	mm ³	mm ³	mm	mm ²	mm ⁴	mm ³	mm ³	mm	mm	mm ⁴	mm ⁶
	x10 ⁴	x10 ³	x10 ³	x10	x10 ²	x10 ⁴	x10 ³	x10 ³	x10		x10 ⁴	x10 ⁹
400 x 300	32429.60	1680.29	1846.17	16.72	34.07	6239.39	417.35	633.07	7.33	39.34	63.25	2157.83
	37425.23	1919.24	2116.22	16.85	38.07	7202.99	480.20	728.97	7.39	44.34	93.38	2517.77
	45410.55	2293.46	2548.33	16.97	46.03	8727.31	577.97	879.35	7.44	52.34	157.66	3099.17
400 x 400	47716.29	2459.60	2730.42	16.54	56.58	16251.29	808.52	1232.19	9.66	47.34	133.42	5649.06
	54896.43	2786.62	3046.73	17.33	42.11	18917.42	950.62	1436.49	10.18	49.34	169.62	6684.77
	65372.53	3268.63	3600.75	17.45	50.14	22406.57	1120.33	1695.15	10.22	57.34	271.24	8043.90
450 x 200	27520.76	1234.11	1393.28	18.37	35.23	1577.93	158.59	244.37	4.40	34.34	30.14	742.18
	32274.17	1434.41	1622.21	18.53	39.83	1869.24	186.92	288.56	4.46	39.34	46.69	887.11
	39220.69	1720.21	1946.00	18.83	44.61	2304.36	229.29	353.98	4.57	46.34	78.97	1108.55
	44248.10	1923.83	2183.01	18.95	49.30	2614.79	258.89	400.42	4.61	51.34	109.43	1269.04
450 x 300	46681.50	2029.63	2341.71	18.46	62.53	2737.79	267.10	419.94	4.47	54.34	132.76	1326.42
	44895.26	2068.91	2287.95	18.57	42.53	6686.10	447.23	680.63	7.17	42.34	80.63	2933.06
	54170.22	2462.28	2728.34	18.85	47.17	8104.49	540.30	822.24	7.29	49.34	133.56	3606.20
	64480.17	2891.49	3226.49	18.96	56.12	9647.68	638.92	974.73	7.33	57.34	214.10	4353.18
500 x 200	40078.31	1616.06	1836.46	20.24	43.97	1841.66	185.09	286.70	4.34	39.34	47.63	1068.00
	46078.61	1843.14	2098.16	20.39	49.44	2137.26	213.73	331.74	4.39	45.51	70.08	1249.37
	54781.17	2165.26	2465.37	20.69	55.23	2576.77	256.40	398.05	4.49	53.69	111.99	1524.71
	63752.81	2490.34	2839.63	20.95	61.21	3029.06	299.91	465.84	4.57	61.86	168.59	1814.09
500 x 300	57707.94	2394.52	2670.28	20.30	53.48	6755.16	450.34	688.88	6.95	48.03	89.68	3680.25
	68349.16	2801.20	3109.28	20.79	54.64	8105.22	540.35	823.97	7.16	55.20	138.45	4473.23
	81271.57	3290.35	3676.07	20.89	65.40	9648.92	639.00	977.19	7.20	64.37	222.88	5392.02
600 x 200	55572.26	1877.44	2143.07	23.91	49.36	1659.16	168.44	261.73	4.13	44.54	40.37	1388.31
	66179.52	2220.79	2559.28	23.77	61.96	1975.32	198.52	311.78	4.11	51.72	67.47	1662.61
	75236.92	2507.90	2892.32	23.94	68.91	2273.60	227.36	357.95	4.16	57.89	96.09	1926.04
	88154.00	2909.37	3351.44	24.28	76.36	2715.95	270.24	425.46	4.26	66.06	146.87	2323.82
600 x 300	98951.33	3400.39	3821.74	24.18	73.67	7659.04	510.60	786.02	6.73	61.23	139.32	6105.18
	114520.43	3895.25	4354.49	24.72	75.44	9009.29	600.62	921.26	6.93	68.40	201.47	7259.04
	133912.27	4508.83	5069.50	24.81	88.77	10572.98	700.20	1077.70	6.97	77.57	310.61	8606.16

Universal Beams & Columns

According to ASTM A276 / A479 / A484



Available sizes – ex. mill production or overseas stockists



Laser fused

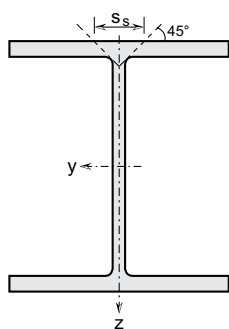
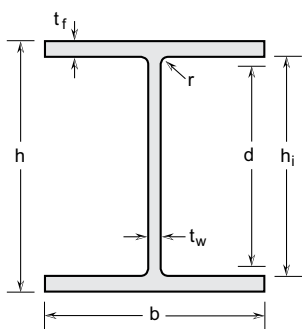
according to ASTM A1069, dimensional tolerances and grades, according to ASTM A276, ASTM A484, ASTM A479, ASME SA479, MTC EN 10204 3.1

Stainless steel

Standard stainless steel grades 304/L and 316/L
Annealed and pickled, lengths of 6000 -0/+100 mm

General properties

Designation		Dimensions						Dimensions for detailing	
	G	h	b	t _w	t _f	r *	A	h _i	d
	kg/m	mm	mm	mm	mm	mm	mm ² x10 ²	mm	mm
700 x 300	165.6	692	300	13	20	16	206.96	652.0	620.0
	185.0	700	300	13	24	17	231.24	652.0	618.0
800 x 300	191.6	792	300	14	22	18	239.50	748.0	712.0
	211.1	800	300	14	26	19	263.82	748.0	710.0
900 x 300	214.1	890	299	15	23	20	267.57	844.0	804.0



Structural properties

Designation	Strong axis y-y					Weak axis z-z						
	I _y	W _{el,y}	W _{pl,y}	i _y	A _{vz}	I _z	W _{el,z}	W _{pl,z}	i _z	S _s	I _t	I _w
	mm ⁴ x10 ⁴	mm ³ x10 ³	mm ³ x10 ³	mm x10	mm ² x10 ²	mm ⁴ x10 ⁴	mm ³ x10 ³	mm ³ x10 ³	mm x10	mm	mm ⁴ x10 ⁴	mm ⁶ x10 ⁹
700 x 300	167829.81	4850.57	5484.44	28.48	95.96	9014.17	600.94	929.76	6.60	71.75	223.90	10160.64
	197187.00	5633.91	6328.72	29.20	98.52	10814.57	720.97	1110.10	6.84	80.92	339.82	12338.35
800 x 300	248349.13	6271.44	7143.16	32.20	118.50	9920.48	661.37	1029.72	6.44	79.09	304.85	14674.28
	286797.44	7169.94	8110.05	32.97	121.34	11721.02	781.40	1210.14	6.67	88.26	442.71	17522.97
900 x 300	339675.06	7633.15	8776.98	35.63	142.68	10275.50	687.32	1079.70	6.20	84.43	371.15	19256.10

* Profiles are laser fused with full penetration, equivalent to hot rolled (r = laser seam).

Dimensional Tolerances For Bar

Fit Tolerance Systems

The tolerance systems set forth in ISO 286-2 Limit deviations for holes and shafts and ANSI B4.1-1967 are specifically intended for fits between two or more parts that must assemble or function together. These systems include tolerances for internal dimensions (holes) and external dimensions (shafts) that will result in locational fits, running and sliding fits, and force fits.

ISO Dimensional Tolerances for Bar

ISO Tolerance	Nominal Diameter of Shaft (mm)								
Designation	≤ 3	> 3 - 6	> 6 - 10	> 10 - 18	> 18 - 30	> 30 - 50	> 50-80	> 80 -120	> 120 -180
Shafts									
	Tolerance (mm)								
H6	-0.006	-0.008	-0.009	-0.011	-0.013	-0.016	-0.019	-0.022	-0.025
H7	-0.01	-0.012	-0.015	-0.018	-0.021	-0.025	-0.03	-0.035	-0.04
H8	-0.014	-0.018	-0.022	-0.027	-0.033	-0.039	-0.046	-0.054	-0.063
H9	-0.025	-0.03	-0.036	-0.043	-0.052	-0.062	-0.074	-0.087	-0.10
H10	-0.04	-0.048	-0.058	-0.07	-0.084	-0.10	-0.12	-0.14	-0.16
H11	-0.06	-0.075	-0.09	-0.11	-0.13	-0.16	-0.19	-0.22	-0.25
H12	-0.10	-0.12	-0.15	-0.18	-0.21	-0.25	-0.30	-0.35	-0.40
H13	-0.14	-0.18	-0.22	-0.27	-0.33	-0.39	-0.46	-0.54	-0.63
JS11	+ / - 0.03	+ / - 0.037	+ / - 0.045	+ / - 0.055	+ / - 0.065	+ / - 0.08	+ / - 0.095	+ / - 0.11	+ / - 0.125
JS12	+ / - 0.05	+ / - 0.06	+ / - 0.075	+ / - 0.09	+ / - 0.105	+ / - 0.125	+ / - 0.15	+ / - 0.175	+ / - 0.2
JS14	+ / - 0.125	+ / - 0.15	+ / - 0.18	+ / - 0.215	+ / - 0.26	+ / - 0.31	+ / - 0.37	+ / - 0.435	+ / - 0.50
JS16	+ / - 0.30	+ / - 0.375	+ / - 0.45	+ / - 0.55	+ / - 0.65	+ / - 0.80	+ / - 0.95	+ / - 1.1	+ / - 1.25
K9	+0.25	+0.30	+0.36	+0.43	+0.52	+0.62	+0.74	+0.87	+1.0
K10	+0.40	+0.48	+0.58	+0.70	+0.84	+1.0	+1.2	+1.4	+1.6
K11	+0.60	+0.75	+0.9	+1.1	+1.3	+1.6	+1.9	+2.2	+2.5
K12	+0.90	+1.2	+1.5	+1.8	+2.1	+2.5	+3.0	+3.5	+4.0
Holes									
	Tolerance (mm)								
H5	+0.04	+0.05	+0.06	+0.08	+0.09	+0.11	+0.13	+0.15	+0.18
H6	+0.06	+0.08	+0.09	+0.11	+0.13	+0.16	+0.19	+0.22	+0.25
H7	+0.10	+0.12	+0.15	+0.18	+0.21	+0.25	+0.30	+0.35	+0.40
H11	+0.60	+0.75	+0.90	+1.1	+1.3	+1.6	+1.9	+2.2	+2.5
H12	+1.0	+1.2	+1.5	+1.8	+2.1	+2.5	+3.0	+3.5	+4.0

Tolerance values shown in mm

h = all minus

j = equal

k = all plus

EXAMPLES

25.40mm diameter bar to h9 = + Nil, -0.052mm

Flat bar hot finished (HRAP) to ASTM A276/A484M

Width (mm)	Thickness tolerance for thickness (mm)			Width tolerance (mm)
	3.2 to 13 over	13 to 25	over 25 to 50	
up to 25	± 0.20	± 0.25	–	± 0.40
up to 25 to 50	± 0.30	± 0.40	± 0.80	± 0.80
over 50 to 100	± 0.40	± 0.50	± 0.80	+ 1.60 / - 0.80
over 100 to 150	± 0.40	± 0.50	± 0.80	+ 2.40 / - 1.60

Flat Bar Tolerances S.R.E. to ASTM A276/A484M

Thickness (mm)	Tolerance (mm)	Width (mm)	Tolerance (mm)
3	+ 0.25 / - 0.25	To 100	+ 2.4 / - 0.8
4	+ 0.35 / - 0.35		
5 - 8	+ 1.25 / - 0.25	Over 100	+ 2.4 / - 2.4
10 - 13	+ 1.50 / - 0.25		

Any bars requiring a critical straightness tolerance need to be advised prior to ordering!

*Centreless Ground bars are the only bars supplied to a straightness tolerance (> 0-5 mm per metre) ex. mill.
Once cut, the straightness tolerance is void.*

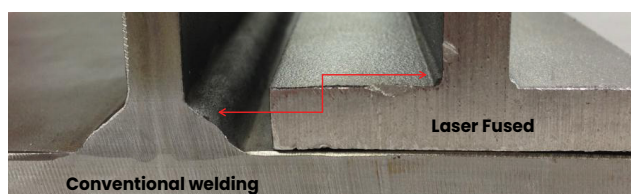
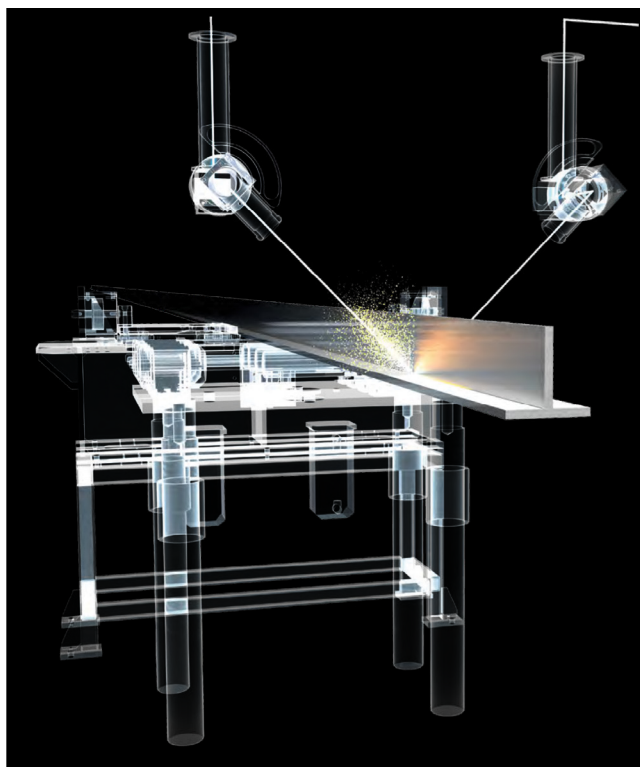
Laser Fusion Solutions

Laser Fusion

In many fields where a high degree of precision is required, laser technology has become a basic feature. Like no other tool the laser is able to focus and discharge energy to a precise point. These are ideal conditions for a low stress and reliable fusion of stainless steel.

What makes Laser Fusion so unique compared to conventional welding?

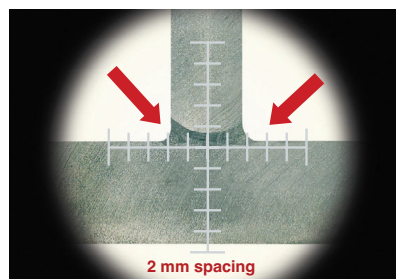
- Industrial process – controlled, automated, consistent
- Monolithic structure – no filler material, full penetration up to 20 mm, no weld correction factor
- High accuracy – uniform, small, barely noticeable
- Product & process approvals – GSI SLV (German Welding Institute), TÜV (German Technical Inspectorate), DIBt (German Building Authority),
EN ISO 13919-1, EN ISO 15614-1, EN ISO 15609-1, ASTM A276, A479, A484 compliance



Advantages:

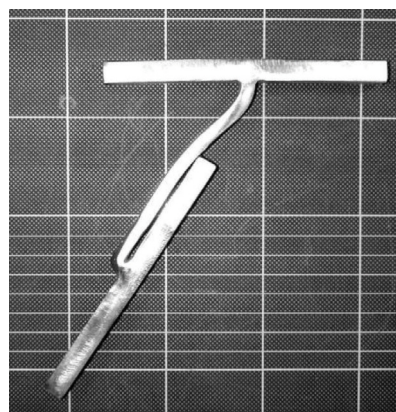
- High quality product
- High flexibility on profile design
- Small batch sizes
- No tooling cost
- Large range of standard sections stocked

Tolerances	IT 13 to IT 12
Straightness	down to 1.0 mm/m
Size range	from 25x25 mm to 2000x1000 mm
Surface finish	hot rolled & shot blasted
Grades	stainless steel 304 & 316 standard (duplex & other special grades on request)



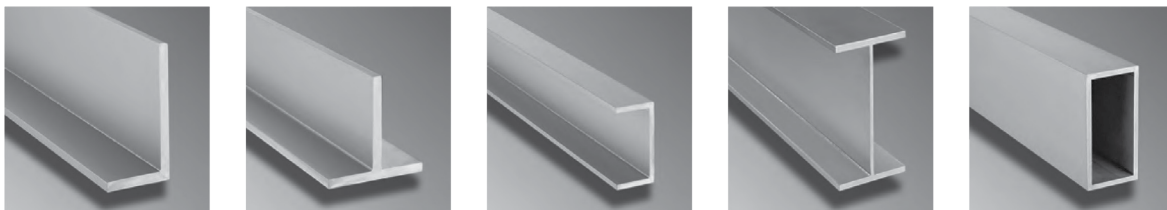
Standard Structural Range

Equal angles	Unequal flange tees	Square hollow sections
Unequal angles	Channels	Rectangular hollow sections
Flat bar	Universal beams & columns	
Equal flange tees		



Crash test on Laser fused H beam.

Laser Fusion Solutions



Standard Laser Fusion profiles

The equipment technology developed by Montanstahl utilizes the advantages of laser fusion to produce special sections with outstanding product characteristics. Special sections made of stainless steel have been successfully marketed by Montanstahl in the most diverse industry sectors. All necessary certificates and approvals for a broad range of applications have been obtained.

Typical applications are in architecture, building and construction, machinery, food processing plants, automotive, shipbuilding as well as water treatment plants and petrochemical industries.



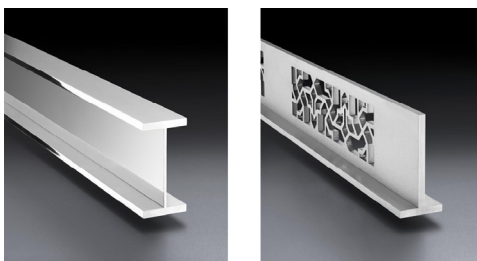
Low-impact Laser Fusion architectural profiles

Low impact laser fusion is a process which allows the welding together of pre-polished flat components to a special profile without damaging the visible surface.

These products have been specifically developed for high-end stainless steel architecture and design. With a special low heat and spatter free laser beam, almost any profile design can be achieved. Thanks to the great design flexibility, functional optimisation and high precision, these new products are popular among architects for visible and representative steel curtain walls, canopies and a wide range of other uses.

Design & special shapes

With increasing importance being attached to design and quality of finish, Laser Profiles give a very high degree of design freedom not only in size and geometry but also in web design. From small perforations to large cut-outs the web can be designed in a very individual way generating attractive solutions.



Laser Fusion In 3D

A 5-axis robot allows the production of non-linear sections and fabricated components, allowing the production of complex sections and fabricated components.



Tube, Pipe & Hollow Bar Sizes (OD and ID sizings)

Note – approximate dimensions only

Outside Dia. mm	Inside Dia. mm	Wall mm	kg/m	Description
3.18	1.76	0.71	0.05	Instrument Tube 3.18 x 0.71
4.00	2.00	1.00	0.06	Hydraulic Tube 4.00 x 1.00
4.76	2.98	0.89	0.07	Instrument Tube 4.76 x 0.89
6.00	4.00	1.00	0.13	Hydraulic Tube 6.00 x 1.00
6.35	4.57	0.89	0.12	Instrument Tube 6.35 x 0.89
6.35	3.87	1.24	0.16	Instrument Tube 6.35 x 1.24
6.35	3.05	1.65	0.19	Instrument Tube 6.35 x 1.65
7.94	6.16	0.89	0.26	Instrument Tube 7.94 x 0.89
7.94	5.46	1.24	0.27	Instrument Tube 7.94 x 1.24
8.00	5.00	1.50	0.24	Hydraulic Tube 8 x 1.50
9.53	7.75	0.89	0.19	Instrument Tube 9.53 x 0.89
9.53	7.05	1.24	0.25	Instrument Tube 9.53 x 1.24
9.53	6.23	1.65	0.33	Instrument Tube 9.53 x 1.65
10.00	7.00	1.50	0.32	Hydraulic Tube 10.0 x 1.50
12.00	9.00	1.50	0.39	Hydraulic Tube 12.0 x 1.50
12.00	8.00	2.00	0.50	Hydraulic Tube 12.0 x 2.00
12.70	10.92	0.89	0.26	Instrument Tube 12.70 x 0.89
12.70	10.22	1.24	0.36	Instrument Tube 12.70 x 1.24
12.70	9.70	1.50	0.44	Welded Tube 1/2" OD x 1.50
12.70	9.40	1.65	0.47	Instrument Tube 12.70 x 1.65
12.70	8.48	2.11	0.56	Instrument Tube 12.70 x 2.11
13.72	10.42	1.65	0.50	Schedule Pipe 1/4" Sch 10S
13.72	9.24	2.24	0.64	Schedule Pipe 1/4" Sch 40S
13.72	7.68	3.02	0.81	Schedule Pipe 1/4" Sch 80S
14.00	10.00	2.00	0.60	Hydraulic Tube 14.0 x 2.00
15.00	12.00	1.50	0.51	Hydraulic Tube 15.0 x 1.50
15.88	14.10	0.89	0.33	Instrument Tube 15.88 x 0.89
15.88	13.40	1.24	0.45	Instrument Tube 15.88 x 1.24
15.88	12.58	1.65	0.57	Instrument Tube 15.88 x 1.65
15.90	12.90	1.50	0.57	Welded Tube 5/8" OD x 1.50
16.00	12.00	2.00	0.70	Hydraulic Tube 16.0 x 2.00
17.15	13.85	1.65	0.64	Schedule Pipe 3/8" Sch 10S
17.15	12.53	2.31	0.86	Schedule Pipe 3/8" Sch 40S
17.15	10.75	3.20	1.12	Schedule Pipe 3/8" Sch 80S
18.00	16.00	1.00	0.43	Hydraulic Tube 18.0 x 1.00
18.00	14.00	2.00	0.80	Hydraulic Tube 18.0 x 2.00
19.05	16.57	1.24	0.55	Instrument Tube 19.05 x 1.24
19.05	16.05	1.50	0.70	Welded Tube 3/4" OD x 1.50
19.05	15.75	1.65	0.79	Instrument Tube 19.05 x 1.65
19.05	14.83	2.11	0.98	Instrument Tube 19.05 x 2.11
19.05	14.23	2.41	1.10	Instrument Tube 19.05 x 2.41
20.00	15.00	2.50	1.09	Hydraulic Tube 20.0 x 2.5
21.34	17.12	2.11	1.01	Schedule Pipe 1/2" Sch 10S
21.34	15.80	2.77	1.29	Schedule Pipe 1/2" Sch 40S
21.34	13.88	3.73	1.65	Schedule Pipe 1/2" Sch 80S
22.00	18.00	2.00	1.00	Hydraulic Tube 22.0 x 2.00
22.22	19.22	1.50	0.82	Welded Tube 7/8" OD x 1.50
25.00	19.00	3.00	1.65	Hydraulic Tube 25.0 x 3.00
25.40	22.40	1.50	1.00	Welded Tube 1" OD x 1.50
25.40	22.10	1.65	1.08	Instrument Tube 25.40 x 1.65
25.40	21.18	2.11	1.35	Instrument Tube 25.40 x 2.11
25.40	20.58	2.41	1.40	Instrument Tube 25.40 x 2.41
25.40	19.00	3.20	1.78	Instrument Tube 25.40 x 3.20
26.67	22.45	2.11	1.30	Schedule Pipe 3/4" Sch 10S
26.67	20.93	2.87	1.71	Schedule Pipe 3/4" Sch 40S
26.67	18.85	3.91	2.23	Schedule Pipe 3/4" Sch 80S
26.67	15.55	5.56	2.93	Schedule Pipe 3/4" Sch 160
28.00	24.00	2.00	1.30	Hydraulic Tube 28.0 x 2.00
28.00	23.00	2.50	1.60	Hydraulic Tube 28.0 x 2.50

Outside Dia. mm	Inside Dia. mm	Wall mm	kg/m	Description
30.00	24.00	3.00	2.03	Hydraulic Tube 30.0 x 3.00
30.00	22.00	4.00	2.60	Hydraulic Tube 30.0 x 4.00
31.75	27.53	2.11	1.57	Instrument Tube 31.75 x 2.11
31.75	26.93	2.41	1.75	Instrument Tube 31.75 x 2.41
31.75	23.83	3.96	2.70	Instrument Tube 31.75 x 3.96
31.80	28.80	1.50	1.20	Welded Tube 1-1/4" OD x 1.50
33.40	27.86	2.77	2.12	Schedule Pipe 1" Sch 10S
33.40	26.64	3.38	2.53	Schedule Pipe 1" Sch 40S
33.40	24.30	4.55	3.28	Schedule Pipe 1" Sch 80S
33.40	20.70	6.35	4.29	Schedule Pipe 1" Sch 160
35.00	31.00	2.00	2.10	Hydraulic Tube 35.0 x 2.00
35.00	29.00	3.00	2.40	Hydraulic Tube 35.0 x 3.00
36.00	25.00	5.50	4.55	Hollow Bar 36 x 25
36.00	20.00	8.00	5.91	Hollow Bar 36 x 20
36.00	16.00	10.00	6.78	Hollow Bar 36 x 16
38.00	34.00	2.00	1.80	Hydraulic Tube 38.0 x 2.0
38.00	32.00	3.00	2.63	Hydraulic Tube 38.0 x 3.0
38.00	30.00	4.00	3.41	Hydraulic Tube 38.0 x 4.0
38.00	28.00	5.00	4.13	Hydraulic Tube 38.0 x 5.0
38.10	35.10	1.50	1.40	Welded Tube 1.1/2" OD x 1.5
38.10	34.10	2.00	1.75	Welded Tube 1.1/2" OD x 2.00
38.10	33.28	2.41	2.20	Hydraulic Tube 38.10 x 2.41
38.10	28.54	4.78	4.00	Hydraulic Tube 38.10 x 4.78
40.00	30.00	5.00	4.38	Hydraulic Tube 40.00 x 5.00
40.00	28.00	6.00	5.49	Hollow Bar 40 x 28
40.00	20.00	10.00	7.83	Hollow Bar 40 x 20
42.00	36.00	3.00	2.93	Hydraulic Tube 42.00 x 3.00
42.16	36.62	2.77	2.73	Schedule Pipe 1.1/4" Sch 10S
42.16	35.04	3.56	3.43	Schedule Pipe 1.1/4" Sch 40S
42.16	32.46	4.85	4.52	Schedule Pipe 1.1/4" Sch 80S
42.16	29.46	6.35	5.68	Schedule Pipe 1.1/4" Sch 160
44.45	41.45	1.50	1.71	Welded Tube 1.3/4" OD x 1.50
45.00	32.00	6.50	6.70	Hollow Bar 45 x 32
45.00	28.00	8.50	8.17	Hollow Bar 45 x 28
48.26	42.72	2.77	3.15	Schedule Pipe 1.1/2" Sch 10S
48.26	40.90	3.68	4.10	Schedule Pipe 1.1/2" Sch 40S
48.26	38.10	5.08	5.48	Schedule Pipe 1.1/2" Sch 80S
48.26	33.98	7.14	7.33	Schedule Pipe 1.1/2" Sch 160
50.00	36.00	7.00	8.01	Hollow Bar 50 x 36
50.00	32.00	9.00	9.70	Hollow Bar 50 x 32
50.00	25.00	12.50	12.10	Hollow Bar 50 x 25
50.80	47.80	1.50	2.30	Welded Tube 2" OD x 1.50
50.80	46.80	2.00	2.43	Welded Tube 2" OD x 2.00
50.80	44.80	3.00	3.80	Welded Tube 2" OD x 3.00
50.80	44.70	3.05	3.56	Instrument Tube 50.80 x 3.05
56.00	40.00	8.00	10.20	Hollow Bar 56 x 40
56.00	36.00	10.00	12.10	Hollow Bar 56 x 36
56.00	28.00	14.00	15.20	Hollow Bar 56 x 28
60.33	54.79	2.77	3.98	Schedule Pipe 2" Sch 10S
60.33	52.51	3.91	5.51	Schedule Pipe 2" Sch 40S
60.33	49.25	5.54	7.58	Schedule Pipe 2" Sch 80S
60.33	42.87	8.73	11.25	Schedule Pipe 2" Sch 160
63.00	50.00	6.50	9.91	Hollow Bar 63 x 50
63.00	40.00	11.50	15.40	Hollow Bar 63 x 40
63.00	36.00	13.50	17.30	Hollow Bar 63 x 36
63.00	32.00	15.50	19.00	Hollow Bar 63 x 32
63.50	60.50	1.50	2.50	Welded Tube 2.1/2" OD x 1.50
71.00	56.00	7.50	12.90	Hollow Bar 71 x 56
71.00	45.00	13.00	19.60	Hollow Bar 71 x 45

Tube, Pipe & Hollow Bar Sizes (OD and ID sizings)

Note – approximate dimensions only

Outside Dia. mm	Inside Dia. mm	Wall mm	kg/m	Description
71.00	40.00	15.50	22.30	Hollow Bar 71 x 40
71.00	36.00	17.50	24.10	Hollow Bar 71 x 36
73.03	66.93	3.05	5.33	Schedule Pipe 2.1/2" Sch 10S
73.03	62.71	5.16	8.74	Schedule Pipe 2.1/2" Sch 40S
73.03	59.01	7.01	11.55	Schedule Pipe 2.1/2" Sch 80S
73.03	53.97	9.53	15.11	Schedule Pipe 2.1/2" Sch 160
75.00	50.00	12.50	21.10	Hollow Bar 75 x 50
75.00	40.00	17.50	26.00	Hollow Bar 75 x 40
76.20	73.20	1.50	3.06	Welded Tube 3" OD 1.50
76.20	72.20	2.00	3.93	Welded Tube 3" OD x 2.00
80.00	63.00	8.50	16.40	Hollow Bar 80 x 63
80.00	50.00	15.00	25.30	Hollow Bar 80 x 50
80.00	45.00	17.50	28.30	Hollow Bar 80 x 45
80.00	40.00	20.00	30.90	Hollow Bar 80 x 40
80.20	76.20	2.00	4.00	Spiral Welded Pipe 76.2 x 2 mm
82.20	76.20	3.00	6.20	Spiral Welded Pipe 76.2 x 3 mm
85.00	45.00	20.00	33.50	Hollow Bar 85 x 45
88.90	82.80	3.05	6.54	Schedule Pipe 3" Sch 10S
88.90	77.92	5.49	11.43	Schedule Pipe 3" Sch 40S
88.90	73.66	7.62	15.47	Schedule Pipe 3" Sch 80S
88.90	66.64	11.13	21.62	Schedule Pipe 3" Sch 160
90.00	56.00	17.00	32.30	Hollow Bar 90 x 56
90.00	50.00	20.00	36.10	Hollow Bar 90 x 50
95.00	67.00	14.00	29.90	Hollow Bar 95 x 67
95.00	50.00	22.50	42.10	Hollow Bar 95 x 50
100.00	80.00	10.00	24.40	Hollow Bar 100 x 80
100.00	71.00	14.50	32.70	Hollow Bar 100 x 71
100.00	63.00	18.50	39.20	Hollow Bar 100 x 63
100.00	56.00	22.00	42.30	Hollow Bar 100 x 56
101.60	98.60	1.50	4.08	Welded Tube 4" OD x 1.50
101.60	97.60	2.00	5.10	Welded Tube 4" OD x 2.00
101.60	95.50	3.05	13.74	Schedule Pipe 3.1/2" Sch 10S
101.60	90.12	5.74	13.74	Schedule Pipe 3.1/2" Sch 40S
101.60	85.44	8.08	18.90	Schedule Pipe 3.1/2" Sch 80S
105.60	101.60	2.00	5.20	Spiral Welded Pipe 101.6 x 2 mm
106.00	80.00	13.00	32.30	Hollow Bar 106 x 80
106.00	71.00	17.50	40.60	Hollow Bar 106 x 71
106.00	56.00	25.00	52.10	Hollow Bar 106 x 56
107.60	101.60	3.00	7.80	Spiral Welded Pipe 101.6 x 3 mm
112.00	80.00	16.00	40.60	Hollow Bar 112 x 80
112.00	71.00	20.50	48.80	Hollow Bar 112 x 71
112.00	63.00	24.50	55.30	Hollow Bar 112 x 63
114.30	108.20	3.05	8.47	Schedule Pipe 4" Sch 10S
114.30	102.26	6.02	16.28	Schedule Pipe 4" Sch 40S
114.30	97.18	8.56	22.60	Schedule Pipe 4" Sch 80S
114.30	87.32	13.49	33.96	Schedule Pipe 4" Sch 160
118.00	90.00	14.00	39.00	Hollow Bar 118 x 90
118.00	80.00	19.00	49.40	Hollow Bar 118 x 80
125.00	100.00	12.50	38.30	Hollow Bar 125 x 100
125.00	80.00	22.50	60.20	Hollow Bar 125 x 80
125.00	71.00	27.00	88.50	Hollow Bar 125 x 71
131.00	127.00	2.00	6.40	Spiral Welded Pipe 127 x 2 mm
132.00	106.00	13.00	42.00	Hollow Bar 132 x 106
132.00	90.00	21.00	61.10	Hollow Bar 132 x 90
132.00	80.00	26.00	71.50	Hollow Bar 132 x 80
132.00	71.00	30.50	79.70	Hollow Bar 132 x 71
133.00	127.00	3.00	9.80	Spiral Welded Pipe 127 x 3 mm
140.00	100.00	20.00	63.30	Hollow Bar 140 x 100
140.00	80.00	30.00	85.20	Hollow Bar 140 x 80

Outside Dia. mm	Inside Dia. mm	Wall mm	kg/m	Description
141.30	134.50	3.40	11.56	Schedule Pipe 5" Sch 10S
141.30	128.20	6.55	22.04	Schedule Pipe 5" Sch 40S
141.30	122.25	9.53	31.33	Schedule Pipe 5" Sch 80S
150.00	125.00	12.50	47.40	Hollow Bar 150 x 125
150.00	106.00	22.00	74.20	Hollow Bar 150 x 106
150.00	95.00	27.50	87.70	Hollow Bar 150 x 95
150.00	80.00	35.00	101.00	Hollow Bar 150 x 80
152.40	149.20	1.60	6.12	Welded Tube 6" x 16g
156.40	152.40	2.00	7.70	Spiral Welded Pipe 152.4 x 2 mm
158.40	152.40	3.00	11.70	Spiral Welded Pipe 152.4 x 3 mm
160.00	112.00	24.00	85.80	Hollow Bar 160 x 112
160.00	90.00	35.00	157.60	Hollow Bar 160 x 90
168.28	161.48	3.40	14.00	Schedule Pipe 6" Sch 10S
168.28	154.06	7.11	28.62	Schedule Pipe 6" Sch 40S
168.28	146.34	10.97	43.10	Schedule Pipe 6" Sch 80S
168.28	131.76	18.26	68.59	Schedule Pipe 6" Sch 160
170.00	140.00	15.00	63.80	Hollow Bar 170 x 140
170.00	118.00	26.00	98.40	Hollow Bar 170 x 118
180.00	150.00	15.00	68.40	Hollow Bar 180 x 150
180.00	125.00	27.50	110.00	Hollow Bar 180 x 125
190.00	160.00	15.00	73.00	Hollow Bar 190 x 160
190.00	150.00	20.00	91.90	Hollow Bar 190 x 150
190.00	132.00	29.00	123.00	Hollow Bar 190 x 132
200.00	160.00	20.00	97.60	Hollow Bar 200 x 160
200.00	140.00	30.00	134.00	Hollow Bar 200 x 140
207.20	203.20	2.00	10.20	Spiral Welded Pipe 203.2 x 2 mm
209.20	203.20	3.00	15.60	Spiral Welded Pipe 203.2 x 3 mm
212.00	170.00	21.00	109.00	Hollow Bar 212 x 170
219.08	211.56	3.76	20.22	Schedule Pipe 8" Sch 10S
219.08	202.72	8.18	43.08	Schedule Pipe 8" Sch 40S
219.08	193.68	12.70	65.45	Schedule Pipe 8" Sch 80S
219.08	173.06	23.01	113.01	Schedule Pipe 8" Sch 160
224.00	140.00	42.00	199.00	Hollow Bar 224 x 140
236.00	190.00	23.00	133.00	Hollow Bar 236 x 190
236.00	150.00	43.00	216.00	Hollow Bar 238 x 150
250.00	200.00	25.00	153.00	Hollow Bar 260 x 200
258.00	254.00	2.00	12.80	Spiral Welded Pipe 254 x 2 mm
260.00	254.00	3.00	19.50	Spiral Welded Pipe 254 x 3 mm
273.05	264.67	4.19	28.12	Schedule Pipe 10" Sch 10S
273.05	254.51	9.27	61.05	Schedule Pipe 10" Sch 40S
308.80	304.80	2.00	15.40	Spiral Welded Pipe 304.8 x 2 mm
310.80	304.80	3.00	23.40	Spiral Welded Pipe 304.8 x 3 mm
323.85	314.71	4.57	36.44	Schedule Pipe 12" Sch 10S
323.85	304.79	9.53	74.81	Schedule Pipe 12" Sch 40S
355.60	346.06	4.77	42.20	Schedule Pipe 14" Sch 10S
359.60	355.60	2.00	18.00	Spiral Welded Pipe 355.6 x 2 mm
361.60	355.60	3.00	27.30	Spiral Welded Pipe 355.6 x 3 mm
406.40	396.86	4.77	48.30	Schedule Pipe 16" Sch 10S
410.40	406.40	2.00	20.80	Spiral Welded Pipe 406.4 x 2 mm
412.40	406.40	3.00	31.20	Spiral Welded Pipe 406.4 x 3 mm
457.20	447.66	4.77	54.41	Schedule Pipe 18" Sch 10S
461.20	457.20	2.00	23.10	Spiral Welded Pipe 457.2 x 2 mm
463.20	457.20	3.00	35.10	Spiral Welded Pipe 457.2 x 3 mm
508.00	496.92	5.54	66.80	Schedule Pipe 20" Sch 10S
512.00	508.00	2.00	25.00	Spiral Welded Pipe 508 x 2 mm
514.00	508.00	3.00	39.00	Spiral Welded Pipe 508 x 3 mm
609.60	596.90	6.35	96.00	Schedule Pipe 24" Sch 10S
615.60	609.60	3.00	46.50	Spiral Welded Pipe 609.6 x 3 mm
768.00	762.00	3.00	59.00	Spiral Welded Pipe 762 x 3 mm