Stainless Steel

New Zealand Product Guide 2024

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Vulcan is a publicly listed company with a strong reputation as being a reliable, customer-focused supplier of carbon, stainless, engineering steels and aluminium across New Zealand.

We have specifically designed premises enabling efficient material handling. We operate our own transport fleet, providing an end-to-end solution for our customers, from ordering to processing and delivery.

Underpinning our culture of strong customer service, is the high level of steel sector experience and a flat management structure. Meaning, you as a customer, are dealing directly with decision makers in Vulcan.

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Practical quality initiatives

Practical measures are in place at Vulcan Stainless to ensure there is continuous improvement in all areas of the company, support to clients is our primary focus, and that there are a minimum of non-conformance quality related issues.

Vulcan Stainless sources products from long-standing, reputable supply partners who have proven their reliability over time. Our supply partners, both local and international, undergo routine audits conducted by Vulcan Stainless staff. We ensure full traceability and provide material certificates for all client orders, with electronic heat number recording for each order.

Our user-friendly in-house IT system enables quick data recovery. We use a portable XRF (X-ray fluorescence metal analyzer) for random chemical composition checks. Scanned original Mill Test Certificates (3.1), which include mill details and the country of origin, are supplied by Vulcan Stainless, rather than just internal letters of conformance.

Vulcan Stainless adheres to strict commercial disciplines, promoting a risk-averse procurement strategy that prioritizes quality, on-time delivery, and socially and ethically responsible values. We promptly and fairly resolve any non-compliant product claims. Continuous performance improvement is ensured by measuring DIFOTIS (Delivery In Full On Time In Specification) against challenging targets.

Disclaimer
The information contained in this Vulcan Stainless catalogue is a general guide for customers as to the products and services available from Vulcan Stainless. No representation is made, or warranty or guarantee implied, in relation to this information or the products or processes it describes. Whilst every effort has been made to ensure the accuracy of the information provided, we take no responsibility for any errors that might appear in this brochure. Recommendations provided are for guidance only. The suitability of a material for a specific application can only be confirmed when the actual service conditions are known. Continuous development may necessitate changes in the technical data. Vulcan Stainless reserves the right to change or update the content of this brochure without notice. This product guide includes products that are stocked and routinely purchased internationally or from local importers and manufacturers.

If you have any areas of interest, reach out to your nearest Vulcan Stainless representative.

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Flat Products

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Standard Sheet

Grades: 304, 304L, 316L, 430, 2205, 253MA
Finishes: 2B, BA, No. 4, 2E, Pattern
Unit of Supply: Each

Certification: Acc. to ASTM A240/A480

SSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G304 – 2B					
SSS045G3042B+09152438	G304	2B	0.45mm x 0915 x 2438	SHEET G304 2B ASTM A240/A480	8.03
SSS045G3042B+l2192438	G304	2B	0.45mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	10.69
SSS055G3042B+09152438	G304	2B	0.55mm x 0915 x 2438	SHEET G304 2B ASTM A240/A480	9.82
SSS055G3042B+12192438	G304	2B	0.55mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	13.08
SSS070G3042B+12192438	G304	2B	0.70mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	16.64
SSS090G3042B+12192438	G304	2B	0.90mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	21.40
SSS200G3042B+12192438	G304	2B	2.00mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	47.55
SSS070G3042BP+12192438	G304	2B LPE	0.70mm x 1219 x 2438	SHEET G304 2B LPE ASTM A240/A480	16.64
SSS090G3042BP+12192438	G304	2B LPE	0.90mm x 1219 x 2438	SHEET G304 2B LPE ASTM A240/A480	21.40
SSS090G3042BP+15243048N	G304	2B LPE	0.90mm x 1524 x 3048	SHEET G304 2B LPE ASTM A240/A480	32.40
SSS120G3042BP+09152438	G304	2B LPE	1.20mm x 0915 x 2438	SHEET G304 2B LPE ASTM A240/A480	21.42
SSS120G3042BP+09153048	G304	2B LPE	1.20mm x 0915 x 3048	SHEET G304 2B LPE ASTM A240/A480	26.77
SSS120G3042BP+09153658	G304	2B LPE	1.20mm x 0915 x 3658	SHEET G304 2B LPE ASTM A240/A480	32.13
SSS120G3042BP+09154500	G304	2B LPE	1.20mm x 0915 x 4500	SHEET G304 2B LPE ASTM A240/A480	39.53
SSS120G3042BP+12192438	G304	2B LPE	1.20mm x 1219 x 2438	SHEET G304 2B LPE ASTM A240/A480	28.53
SSS120G3042BP+12193048	G304	2B LPE	1.20mm x 1219 x 3048	SHEET G304 2B LPE ASTM A240/A480	35.67
SSS120G3042BP+12194500	G304	2B LPE	1.20mm x 1219 x 4500	SHEET G304 2B LPE ASTM A240/A480	52.66
SSS120G3042BP+15242438	G304	2B LPE	1.20mm x 1524 x 2438	SHEET G304 2B LPE ASTM A240/A480	35.67
SSS120G3042BP+15243048N	G304	2B LPE	1.20mm x 1524 x 3048	SHEET G304 2B LPE ASTM A240/A480	44.59
SSS150G3042BP+09152438	G304	2B LPE	1.50mm x 0915 x 2438	SHEET G304 2B LPE ASTM A240/A480	26.77
SSS150G3042BP+09153048	G304	2B LPE	1.50mm x 0915 x 3048	SHEET G304 2B LPE ASTM A240/A480	33.47
SSS150G3042BP+09153658	G304	2B LPE	1.50mm x 0915 x 3658	SHEET G304 2B LPE ASTM A240/A480	40.16
SSS150G3042BP+12192438	G304	2B LPE	1.50mm x 1219 x 2438	SHEET G304 2B LPE ASTM A240/A480	35.66
SSS150G3042BP+12193048	G304	2B LPE	1.50mm x 1219 x 3048	SHEET G304 2B LPE ASTM A240/A480	44.59
SSS150G3042BP+15243048N	G304	2B LPE	1.50mm x 1524 x 3048	SHEET G304 2B LPE ASTM A240/A480	55.74
SSS200G3042BP+12192438	G304L	2B LPE	2.00mm x 1219 x 2438	SHEET G304L 2B LPE ASTM A240/A480	47.55
SSS200G3042BP+15243048N	G304L	2B LPE	2.00mm x 1524 x 3048	SHEET G304L 2B LPE ASTM A240/A480	74.32
SSS200G3042BP+15244000N	G304L	2B LPE	2.00mm x 1524 x 4000	SHEET G304L 2B LPE ASTM A240/A480	96.00
SSS200G3042BP+20004000	G304L	2B LPE	2.00mm x 2000 x 4000	SHEET G304L 2B LPE ASTM A240/A480	128.00
SSS250G3042BP+12192438	G304L	2B LPE	2.50mm x 1219 x 2438	SHEET G304L 2B LPE ASTM A240/A480	59.44
SSS250G3042BP+15243048	G304L	2B LPE	2.50mm x 1524 x 3048	SHEET G304L 2B LPE ASTM A240/A480	92.90
SSS250G3042BP+15244000	G304L	2B LPE	2.50mm x 1524 x 4000	SHEET G304L 2B LPE ASTM A240/A480	121.92
SSS250G3042BP+20004000	G304L	2B LPE	2.50mm x 2000 x 4000	SHEET G304L 2B LPE ASTM A240/A480	160.00
SSS300G3042BP+12192438	G304L	2B LPE	3.00mm x 1219 x 2438	SHEET G304L 2B LPE ASTM A240/A480	71.33
SSS300G3042BP+15243048N	G304L	2B LPE	3.00mm x 1524 x 3048	SHEET G304L 2B LPE ASTM A240/A480	111.48
SSS300G3042BP+15244000N	G304L	2B LPE	3.00mm x 1524 x 4000	SHEET G304L 2B LPE ASTM A240/A480	144.00
SSS300G3042BP+20004000	G304L	2B LPE	3.00mm x 2000 x 4000	SHEET G304L 2B LPE ASTM A240/A480	192.00
G316L – 2B					
SSS060G316L2B+12192438	G316L	2B	0.60mm x 1219 x 2438	SHEET G316L 2B ASTM A240/A480	14.27
SSS070G316L2BP+12192438	G316L	2B LPE	0.70mm x 1219 x 2438	SHEET G316L 2B LPE ASTM A240/A480	16.64
SSS090G316L2BP+12192438	G316L	2B LPE	0.90mm x 1219 x 2438	SHEET G316L 2B LPE ASTM A240/A480	21.40
SSS120G316L2BP+12192438	G316L	2B LPE	1.20mm x 1219 x 2438	SHEET G316L 2B LPE ASTM A240/A480	28.53
SSS120G316L2BP+15243048	G316L	2B LPE	1.20mm x 1524 x 3048	SHEET G316L 2B LPE ASTM A240/A480	44.59
SSS150G316L2BP+12192438	G316L	2B LPE	1.50mm x 1219 x 2438	SHEET G316L 2B LPE ASTM A240/A480	35.66

Standard Sheet

Grades: 304, 304L, 316L, 430, 2205, 253MA
Finishes: 2B, BA, No. 4, 2E, Pattern
Unit of Supply: Each

Certification: Acc. to ASTM A240/A480

SSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
SSS150G316L2BP+15243048	G316L	2B LPE	1.50mm x 1524 x 3048	SHEET G316L 2B LPE ASTM A240/A480	55.74
SSS200G316L2BP+12192438	G316L	2B LPE	2.00mm x 1219 x 2438	SHEET G316L 2B LPE ASTM A240/A480	47.55
SSS200G316L2BP+15243048N	G316L	2B LPE	2.00mm x 1524 x 3048	SHEET G316L 2B LPE ASTM A240/A480	74.32
SSS200G316L2BP+15244000	G316L	2B LPE	2.00mm x 1524 x 4000	SHEET G316L 2B LPE ASTM A240/A480	97.54
SSS200G316L2BP+20004000	G316L	2B LPE	2.00mm x 2000 x 4000	SHEET G316L 2B LPE ASTM A240/A480	128.00
SSS250G316L2BP+12192438	G316L	2B LPE	2.50mm x 1219 x 2438	SHEET G316L 2B LPE ASTM A240/A480	59.44
SSS250G316L2BP+15243048N	G316L	2B LPE	2.50mm x 1524 x 3048	SHEET G316L 2B LPE ASTM A240/A480	92.90
SSS250G316L2BP+20004000	G316L	2B LPE	2.50mm x 2000 x 4000	SHEET G316L 2B LPE ASTM A240/A480	160.00
SSS300G316L2BP+12192438	G316L	2B LPE	3.00mm x 1219 x 2438	SHEET G316L 2B LPE ASTM A240/A480	71.24
SSS300G316L2BP+15243048	G316L	2B LPE	3.00mm x 1524 x 3048	SHEET G316L 2B LPE ASTM A240/A480	111.48
SSS300G316L2BP+15244000	G316L	2B LPE	3.00mm x 1524 x 4000	SHEET G316L 2B LPE ASTM A240/A480	146.30
SSS300G316L2BP+20004000	G316L	2B LPE	3.00mm x 2000 x 4000	SHEET G316L 2B LPE ASTM A240/A480	192.00
G304 – BA					
SSS055G304BA+12192438	G304	BA LPE	0.55mm x 1219 x 2438	SHEET G304 BA LPE ASTM A240/A480	13.08
SSS070G304BA+12192438	G304	BA LPE	0.70mm x 1219 x 2438	SHEET G304 BA LPE ASTM A240/A480	16.64
SSS090G304BA+12192438	G304	BA LPE	0.90mm x 1219 x 2438	SHEET G304 BA LPE ASTM A240/A480	21.40
SSS120G304BA+09152438	G304	BA LPE	1.20mm x 0915 x 2438	SHEET G304 BA LPE ASTM A240/A480	21.42
SSS120G304BA+09153048	G304	BA LPE	1.20mm x 0915 x 3048	SHEET G304 BA LPE ASTM A240/A480	26.77
SSS120G304BA+09153658	G304	BA LPE	1.20mm x 0915 x 3658	SHEET G304 BA LPE ASTM A240/A480	32.13
SSS120G304BA+09154500	G304	BA LPE	1.20mm x 0915 x 4500	SHEET G304 BA LPE ASTM A240/A480	39.53
SSS120G304BA+12192438	G304	BA LPE	1.20mm x 1219 x 2438	SHEET G304 BA LPE ASTM A240/A480	28.53
SSS120G304BA+12193048	G304	BA LPE	1.20mm x 1219 x 3048	SHEET G304 BA LPE ASTM A240/A480	35.67
SSS120G304BA+12193658	G304	BA LPE	1.20mm x 1219 x 3658	SHEET G304 BA LPE ASTM A240/A480	42.81
SSS120G304BA+12194000	G304	BA LPE	1.20mm x 1219 x 4000	SHEET G304 BA LPE ASTM A240/A480	46.81
SSS120G304BA+12194500	G304	BA LPE	1.20mm x 1219 x 4500	SHEET G304 BA LPE ASTM A240/A480	52.66
SSS150G304BA+12192438	G304	BA LPE	1.50mm x 1219 x 2438	SHEET G304 BA LPE ASTM A240/A480	35.66
SSS150G304BA+12193048	G304	BA LPE	1.50mm x 1219 x 3048	SHEET G304 BA LPE ASTM A240/A480	44.00
SSS150G304BA+12193658	G304	BA LPE	1.50mm x 1219 x 3658	SHEET G304 BA LPE ASTM A240/A480	53.51
SSS200G304BA+12192438	G304	BA LPE	2.00mm x 1219 x 2438	SHEET G304 BA LPE ASTM A240/A480	47.55
G304 – No. 4					
SSS055G304NO4+12192438	G304	NO4 LPE	0.55mm x 1219 x 2438	SHEET G304 NO4 LPE ASTM A240/A480	13.08
SSS070G304NO4+12192438	G304	NO4 LPE	0.70mm x 1219 x 2438	SHEET G304 NO4 LPE ASTM A240/A480	16.64
SSS090G304NO4+12192438	G304	NO4 LPE	0.90mm x 1219 x 2438	SHEET G304 NO4 LPE ASTM A240/A480	21.40
SSS090G304NO4+12193048	G304	NO4 LPE	0.90mm x 1219 x 3048	SHEET G304 NO4 LPE ASTM A240/A480	26.75
SSS090G304NO4+15243048	G304	NO4 LPE	0.90mm x 1524 x 3048	SHEET G304 NO4 LPE ASTM A240/A480	33.44
SSS120G304NO4+09152438	G304	NO4 LPE	1.20mm x 0915 x 2438	SHEET G304 NO4 LPE ASTM A240/A480	21.42
SSS120G304NO4+09153048	G304	NO4 LPE	1.20mm x 0915 x 3048	SHEET G304 NO4 LPE ASTM A240/A480	26.77
SSS120G304NO4+09153658	G304	NO4 LPE	1.20mm x 0915 x 3658	SHEET G304 NO4 LPE ASTM A240/A480	32.13
SSS120G304NO4+12192438	G304	NO4 LPE	1.20mm x 1219 x 2438	SHEET G304 NO4 LPE ASTM A240/A480	28.53
SSS120G304NO4+12193048	G304	NO4 LPE	1.20mm x 1219 x 3048	SHEET G304 NO4 LPE ASTM A240/A480	35.67
SSS120G304NO4+12193658	G304	NO4 LPE	1.20mm x 1219 x 3658	SHEET G304 NO4 LPE ASTM A240/A480	42.81
SSS120G304NO4+12194000	G304	NO4 LPE	1.20mm x 1219 x 4000	SHEET G304 NO4 LPE ASTM A240/A480	46.82
SSS120G304NO4+15242438	G304	NO4 LPE	1.20mm x 1524 x 2438	SHEET G304 NO4 LPE ASTM A240/A480	35.67
SSS120G304NO4+15243048	G304	NO4 LPE	1.20mm x 1524 x 3048	SHEET G304 NO4 LPE ASTM A240/A480	43.20
SSS150G304NO4+09152438	G304	NO4 LPE	1.50mm x 0915 x 2438	SHEET G304 NO4 LPE ASTM A240/A480	26.77
SSS150G304NO4+09153048	G304	NO4 LPE	1.50mm x 0915 x 3048	SHEET G304 NO4 LPE ASTM A240/A480	33.47
SSS150G304NO4+09153658	G304	NO4 LPE	1.50mm x 0915 x 3658	SHEET G304 NO4 LPE ASTM A240/A480	40.16
SSS150G304NO4+12192438	G304	NO4 LPE	1.50mm x 1219 x 2438	SHEET G304 NO4 LPE ASTM A240/A480	35.66

Other grades and sizes available on request ex. mill stock or production

Standard Sheet

Grades: 304, 304L, 316L, 430, 2205, 253MA
Finishes: 2B, BA, No. 4, 2E, Pattern
Unit of Supply: Each

Certification: Acc. to ASTM A240/A480

SSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
SSS150G304N04+12193048	G304	N04 LPE	1.50mm x 1219 x 3048	SHEET G304 N04 LPE ASTM A240/A480	44.59
SSS150G304N04+12193658	G304	N04 LPE	1.50mm x 1219 x 3658	SHEET G304 N04 LPE ASTM A240/A480	53.51
SSS150G304N04+15243048	G304	N04 LPE	1.50mm x 1524 x 3048	SHEET G304 N04 LPE ASTM A240/A480	55.74
SSS200G304N04+12192438	G304	N04 LPE	2.00mm x 1219 x 2438	SHEET G304 N04 LPE ASTM A240/A480	47.55
SSS200G304N04+15243048	G304	N04 LPE	2.00mm x 1524 x 3048	SHEET G304 N04 LPE ASTM A240/A480	72.00
SSS250G304N04+12192438	G304	N04 LPE	2.50mm x 1219 x 2438	SHEET G304 N04 LPE ASTM A240/A480	59.50
SSS250G304N04+15243048	G304	N04 LPE	2.50mm x 1524 x 3048	SHEET G304 N04 LPE ASTM A240/A480	92.90
SSS300G304N04+12192438	G304	N04 LPE	3.00mm x 1219 x 2438	SHEET G304 N04 LPE ASTM A240/A480	71.33
SSS300G304N04+15243048	G304	N04 LPE	3.00mm x 1524 x 3048	SHEET G304 N04 LPE ASTM A240/A480	111.48
G316L – No. 4					
SSS090G316LN04+12192438	G316L	N04 LPE	0.90mm x 1219 x 2438	SHEET G316L N04 LPE ASTM A240/A480	21.39
SSS120G316LN04+12192438	G316L	N04 LPE	1.20mm x 1219 x 2438	SHEET G316L N04 LPE ASTM A240/A480	28.53
SSS150G316LN04+12192438	G316L	N04 LPE	1.50mm x 1219 x 2438	SHEET G316L N04 LPE ASTM A240/A480	35.66
SSS200G316LN04+12192438	G316L	N04 LPE	2.00mm x 1219 x 2438	SHEET G316L N04 LPE ASTM A240/A480	47.55
SSS250G316LN04+12192435	G316L	N04 LPE	2.50mm x 1219 x 2438	SHEET G316L N04 LPE ASTM A240/A480	59.41
SSS300G316LN04+12192438	G316L	N04 LPE	3.00mm x 1219 x 2438	SHEET G316L N04 LPE ASTM A240/A480	71.33
G430 – No. 4					
SSS070G430N04+12192438	G430	N04 LPE	0.70mm x 1219 x 2438	SHEET G430 N04 LPE ASTM A240/A480	16.64
SSS090G430N04+12192438	G430	N04 LPE	0.90mm x 1219 x 2438	SHEET G430 N04 LPE ASTM A240/A480	21.40
SSS120G430N04+12192438	G430	N04 LPE	1.20mm x 1219 x 2438	SHEET G430 N04 LPE ASTM A240/A480	28.53
SSS150G430N04+12192438	G430	N04 LPE	1.50mm x 1219 x 2438	SHEET G430 N04 LPE ASTM A240/A480	35.66
G2205					
SSS150G22052E+15003000	G2205	2E	1.50mm x 1500 x 3000	SHEET G2205 2E ASTM A240/A480	54.19
SSS200G22052E+15003000	G2205	2E	2.00mm x 1500 x 3000	SHEET G2205 2E ASTM A240/A480	72.00
SSS200G22052E+20004000	G2205	2E	2.00mm x 2000 x 4000	SHEET G2205 NYBY PRO 2E ASTM A240/ A480	128.00
SSS300G22052E+15003000	G2205	2E	3.00mm x 1500 x 3000	SHEET G2205 2E ASTM A240/A480	108.00
SSS300G22052E+20004000	G2205	2E	3.00mm x 2000 x 4000	SHEET G2205 NYBY PRO 2E ASTM A240/A480	192.00
G253 MA					
SSS200G253MA2E+20004000	G253MA	2E	2.00mm x 2000 x 4000	SHEET G253MA 2E ASTM A240/A480	128.00
SSS300G253MA2E+20004000	G253MA	2E	3.00mm x 2000 x 4000	SHEET G253MA 2E ASTM A240/A480	192.00
Architectural Finishes					
SSS125G304LINBA+12502438	G304 LINEN	BA LPE	1.25mm x 1250 x 2438	SHEET LINEN PATTERN G304 BA LPE	30.47
SSS125G304LINBA+12503048	G304 LINEN	BA LPE	1.25mm x 1250 x 3048	SHEET LINEN PATTERN G304 BA LPE	38.10
SSS125G304LINBA+12503658	G304 LINEN	BA LPE	1.25mm x 1250 x 3658	SHEET LINEN PATTERN G304 BA LPE	45.72
SSS125G304LINBA+12505000	G304 LINEN	BA LPE	1.25mm x 1250 x 5000	SHEET LINEN PATTERN G304 BA LPE	62.50
SSS120G304SQBA+12502438	G304 SQUARES	LPE	1.20mm x 1250 x 2438	SHEET SQUARES PATTERN G304 LPE	29.26
SSS120G304SQBA+12503048	G304 SQUARES	LPE	1.20mm x 1250 x 3048	SHEET SQUARES PATTERN G304 LPE	36.58
SSS120G304SQBA+12503658	G304 SQUARES	LPE	1.20mm x 1250 x 3658	SHEET SQUARES PATTERN G304 LPE	43.90

Linen Pattern Sheet

Squares Pattern Sheet

Coloured Sheet

Sheet sizes:
1250 x

2250, 2500, 3000, 4000mm

Thicknesses:
0.6 to 3.0 mm

Coloured sheets have a 20 mm margin alongside their width and length that cannot be used if it remains in sight.

Colours are indicative only.

For repeat orders, we require a sample as reference.

AISI 304 - 316 stainless steel

1 - polished blue

2 - polished black

3 - satin blue

4 - satin black

5 - polished champagne

6 - polished violet

7 - satin champagne

8 - satin grey

9 - polished gold

10 - polished red

11 - satin gold

12 - satin red

13 - polished bronze

14 - polished green

15 - satin bronze

16 - satin green

17 - blue SB

18 - blue satin inc.

19 - shot blasted red

20 - shot blasted blue

21 - champagne SB

22 - satin green inc.

23 - shot blasted green

24 - shot blasted champagne

25 - gold SB

26 - red SB

27 - satin gold inc.

28 - shot blasted gold

29 - bronze SB

30 - green SB

31 - satin bronze inc.

32 - shot blasted bronze

Supply on indent basis ex. Australia or Italian mill production.

Patterned Sheet

Sheet sizes:
1250 mm
x

2250, 2500,
3000, 4000 mm

Thicknesses:
0.6 to 3.0 mm

Patterned sheets have a 20 mm margin alongside their width and length that cannot be used if it remains in sight.

2WL, 6WL, squares, linen, skin, dots, stripes style can be supplied in brushed or SB (Scotch Brite).

5WL polished can be supplied brushed on top.

Colours are indicative only.

Pattern depth may vary depending on sheet thickness.

For repeat orders, we require a sample as reference.

AISI 304 - 316 stainless steel

33 - dots gold

34 - drops blue

35 - linen gold

36 - skin bronze

37 - linen red

38 - weave gold

39 - stripes bronze

40 - drops red

41 - dune black

42 - mesh blue

43 - squares gold

44 - dots bronze

45 - dune blue

46 - rain bronze

47 - stripes blue

48 - skin green

49 - 5WL SB

50 - stripes polished

51 - polished skin

52 - shot blasted

53 - polished 5WL

54 - 6WL SB

55 - chequered

56 - mirror finish

57 - 2WL SB

58 - polished 6WL

59 - squares polished

60 - polished 7

61 - polished 2WL

62 - satin 5WL

63 - linen polished

64 - dots polished

Supply on indent basis ex. Australia or Italian mill production.

Special Finishes Sheet

Sheet sizes:
1250 x 2500 mm

Pattern size:
1220 x 2470 mm

Thicknesses:
0.7 to 2.0 mm

Colours are indicative only.

The brightness of the product may vary depending on the raw material used.

For repeat orders, we require a sample as reference.

AISI 304 - 316 stainless steel

65 - SC 604

66 - SC 704 blue

67 - SC 804 bronze

68 - SC 135

69 - SC 113

70 - SC 213 gold

71 - SC 313 red

72 - SC 143

73 - SC 111

74 - SC 211 green

75 - SC 311 gold

76 - SC 147

77 - SC 101

78 - SC 201 red

79 - SC 301 blue

80 - SC 107 D

Supply on indent basis ex. Ausralia or Italian mill production.

Woven Wire Mesh

Examples (Pictures shown are as close as possible to scale)

22.4mm Aperture x 3.15mm Wire Dia. / Intercrimped

12.7mm Aperture x 3.0mm Wire Dia. / Intercrimped

6.8mm Aperture x 1.6mm Wire Dia.

4.75mm Aperture x 1.6mm Wire Dia.

2.5mm Aperture x 0.75mm Wire Dia.

1.4mm Aperture x 0.71mm Wire Dia.

0.9mm Aperture x 0.375mm Wire Dia.

0.415mm Aperture x 0.22mm Wire Dia.

Woven Wire Mesh

- Rolls up to 30 m in length and 1,550 mm in width are available in stainless steel grade 304 and 316
- Mesh can be cut to specific length

Part-Number	Material Grade	Aperture mm	Wire Dia. mm	Mesh Imp	SWG	Open Area %	Roll width mm	Weight kg per m
W00.6-8-122-6	316	35	4			77	2440x1220 Sheet	22.00
W001-10-127	304	22.4	3.15	1	10	77	1270	9.16
W001-10-124-6	316	22.4	3.15	1	10	77	1245	8.80
W001-10-155-6	316	22.4	3.15	1	10	77	1550	11.00
W0.75-12-127	304	16	2.5	0.75	12	75	1270	5.76
W0.75-12-124-6	316	16	2.5	0.75	12	75	1245	5.76
W001.6-10-127	304	12.7	3	1.6	10	65	1270	9.33
W001.6-10-124-6	316	12.7	3	1.6	10	65	1245	9.33
W002-16-124-I/C	304	11.2	1.6	2	16	77	1245	3.48
W002-16-124-6	316	11.2	1.6	2	16	77	1245	3.41
W002-14-127	304	10.6	2	2	14	70	1270	6.82
W002-14-124-6	316	10.6	2	2	14	70	1245	6.82
W002-12-127	304	10	2.5	2	12	63	1270	8.53
W002-12-124-6	316	10	2.5	2	12	63	1245	8.53
W002-12-155-6	316	10	2.5	2	12	63	1550	10.70
W003-16-124	304	6.8	1.6	3	16	67	1245	3.94
W003-16-124-6	316	6.8	1.6	3	16	67	1245	3.94
W003-14-124	304	6.3	2	3	14	57	1245	6.20
W004-19-124	304	5.3	1	4	19	71	1245	2.79
W004-19-124-I/C	304	5.3	1	4	19	71	1245	2.79
W004-18-124	304	5.1	1.2	4	18	65	1245	3.35
W004-18-155	304	5.1	1.2	4	18	65	1550	4.20
W004-16-124	304	4.75	1.6	4	16	55	1245	6.60
W004-16-124-6	316	4.75	1.6	4	16	55	1245	6.60
W005-18-124	304	3.9	1.2	5	18	58	1245	5.00
W005-16-124	304	3.5	1.6	5	16	46	1245	7.70
W005-16-155	304	3.5	1.6	5	16	46	1550	9.65
W006-20-124	304	3.3	0.91	6	20	61	1245	3.27
W006-20-124-6	316	3.3	0.91	6	20	61	1245	3.27
W006-20-155	304	3.3	0.91	6	20	61	1550	4.10
W006-18-124	304	3	1.2	6	18	51	1245	6.05
W006-18-124-6	316	3	1.2	6	18	51	1245	6.05
W006-16-124	304	2.7	1.6	6	16	38	1245	9.60
W008-22-124-6	316	2.5	0.7	8	22	60	1245	2.68
W008-22-155	304	2.5	0.7	8	22	60	1550	3.37
W008-20-124	304	2.3	0.91	8	20	51	1245	4.40
W008-20-155	304	2.3	0.91	8	20	51	1550	5.52
W010-26-105	304	2.1	0.45	10	26	67	1050	1.45
W010-26-124	304	2.1	0.45	10	26	67	1245	1.68
W010-26-155	304	2.1	0.45	10	26	67	1550	2.10
W008-18-124	304	2	1.2	8	18	38	1245	5.81
W008-18-155-6	316	2	1.2	8	18	38	1550	7.27
W010-24-124-6	316	2	0.56	10	24	61	1245	2.40
W009-20-155	304	1.9	0.91	9	20	46	1550	5.70
W010-23-124	304	1.9	0.61	10	23	58	1245	2.58
W010-21-124	304	1.74	0.8	10	21	46	1245	6.00
W010-20-124	304	1.6	0.91	10	20	41	1245	6.55

Woven Wire Mesh

Part-Number	Material Grade	Aperture mm	Wire Dia. mm	Mesh Imp	SWG	Open Area %	Roll width mm	Weight kg per m
W010-20-124-6	304	1.6	0.91	10	20	41	1245	6.55
W012-25-124	304	1.6	0.5	12	25	58	1245	2.02
W012-25-124-6	316	1.6	0.5	12	25	58	1245	2.02
W012-22-124	304	1.4	0.71	12	22	44	1245	4.07
W012-22-155	304	1.4	0.71	12	22	44	1550	5.10
W012-22-155-6	316	1.4	0.71	12	25	44	1550	5.10
W014-24-155	304	1.25	0.56	14	20	48	1550	3.00
W014-25-124	304	1.3	0.5	14	24	52	1245	2.35
W012-20-124	304	1.2	0.9	12	28	32	1245	5.39
W016-28-124	304	1.2	0.37	16	26	58	1245	1.40
W016-26-124	304	1.1	0.45	16	26	51	1245	2.20
W016-26-155	304	1.1	0.45	16	24	51	1550	2.76
W016-24-124	304	1	0.56	16	24	42	1245	3.42
W016-24-124-6	316	1	0.56	16	24	42	1245	3.42
W016-24-155	304	1	0.56	16	24	42	1550	4.35
W016-22-124	304	0.9	0.71	16	22	31	1245	4.32
W020-28-124	304	0.9	0.37	20	28	50	1245	1.75
W020-28-124-6	316	0.9	0.37	20	28	50	1245	1.75
W020-28-155	304	0.9	0.37	20	28	50	1550	2.20
W020-28-155-6	316	0.9	0.37	20	28	50	1550	2.20
W020-26-124	304	0.81	0.45	20	26	41	1245	3.30
W020-26-124-6	316	0.81	0.45	20	26	41	1245	3.30
W020-26-155	304	0.81	0.45	20	26	41	1550	4.20
W024-30-124	304	0.75	0.31	24	30	49	1245	0.84
W020-24-124	304	0.71	0.56	20	24	31	1245	3.71
W024-26-124	304	0.6	0.45	24	26	32	1245	2.52
W024-26-155	304	0.6	0.45	24	26	32	1550	3.20
W030-32-124	304	0.57	0.27	30	32	46	1245	1.60
W030-30-155	304	0.53	0.31	30	30	39	1550	1.53
W030-30-124-6	316	0.53	0.31	30	30	39	1245	1.22
W040-34-124-6	316	0.415	0.22	40	34	42	1245	1.34
W040-34-155-6	316	0.415	0.22	40	34	42	1550	1.68
W050-36-124-6	316	0.31	0.2	50	36	38	1245	1.34
W050-36-155-6	316	0.31	0.2	50	36	38	1550	1.68
W060-37-124-6	316	0.26	0.16	60	37	35	1245	1.06
W060-37-155-6	316	0.26	0.16	60	37	35	1550	1.33
W070-38-124-6	316	0.21	0.15	70	38	34	1245	0.96
W070-38-155-6	316	0.21	0.15	70	38	34	1550	1.20
W080-39-124-6	316	0.19	0.125	80	39	34	1245	0.88
W080-39-155-6	316	0.19	0.125	80	39	34	1550	1.10
W100-42-124-6	316	0.15	0.1	100	42	36	1245	0.68
W100-42-155-6	316	0.15	0.1	100	42	36	1550	0.86
W120-44-124-6	316	0.13	0.08	120	44	37	1245	0.60
W120-44-152-6	316	0.13	0.08	120	44	37	1520	0.76
W140-45-122	304	0.11	0.071	140	45	37	1220	0.47
W150-45-124-6	316	0.1	0.063	150	45	37	1245	0.43
W150-45-155-6	316	0.1	0.063	150	45	37	1550	0.54
W200-47-124-6	316	0.08	0.05	200	47	38	1245	0.35
W200-47-155-6	316	0.08	0.05	200	47	38	1550	0.44
W250-48-155-6P	316	0.063	0.04	250	48	38	2000	0.34
W250-48-200-6T	316	0.063	0.04	250	48	38	2000	0.45
W300-49-124-6P	316	0.055	0.03	300	49	32	1245	0.22
W300-48-124-6T	316	0.053	0.04	270	48	32	1245	0.26
W325-49-124-6P	316	0.045	0.032	325	49	34	1245	0.2
W350-50-124-6P	316	0.047	0.025	350	50	43	1245	0.16
W400-49-124-6T	316	0.034	0.03	400	49	27	1245	0.17
W400-49-200-6T	316	0.034	0.03	400	49	27	2000	0.23
W500-50-124-6T	316	0.025	0.025	500	50	25	1245	0.14

Welded Wire Mesh

Rolls

- Welded Wire Mesh is available in 304 and 316 grade stainless steel rolls
- Typically supplied in 30 m rolls, some sizes can be cut to specific length

Part-Number	Material Grade	Aperture mm	Wire Dia. mm	Pitch mm	Roll width mm	Weight kg per m
WLD-6.35-0.8	304	5.55	0.8	6.35	1220	2.00
WLD-10-0.8	304	9.2	0.8	10	1220	2.40
WLD-12.7-1.2	304	11.5	1.2	12.7	1220	2.30
WLD-12.7-1.6	304	11.1	1.6	12.7	1220	3.10
WLD-12.7-1.6-6	316	11.1	1.6	12.7	1220	3.10
WLD-18-2	304	16	2	18	1220	3.75
WLD-25-1.2	304	24.2	1.2	25.4	1220	1.80
WLD-25-1.6	304	23.8	1.6	25.4	1220	2.40
WLD-25-1-6	316	24.4	1	25.4	1220	1.00
WLD-25-2	304	23.4	2	25.4	1220	3.00
WLD-25-2-6	316	23.4	2	25.4	1220	3.00
WLD-50-2-6	316	48	2	50	1220	1.00

Welded Wire Mesh

Sheet

- Welded Wire Mesh is available in 304 and 316 grade stainless steel sheets as well as roll form

Part-Number	Material Grade	Aperture mm	Wire Dia. mm	Pitch mm	Roll width mm	Weight kg per m
WLD-25-3	304	21.85	3.15	25	2000x1000	12.00
WLD-25-3A	304	21.85	3.15	25	2400x1200	13.50
WLD-25-3-6	316	21.85	3.15	25	2500x1200	13.50
WLD-40-4	304	36	4	40	2400x1200	12.5
WLD-50-3	304	47	3	50	2500x1200	8.00
WLD-50-4	304	46	4	50	2000x1000	8.00
WLD-50-4A	304	46	4	50	2400x1200	12.00
WLD-50-4-6	316	46	4	50	2500x1200	12.00
WLD-100-3	304	96.85	3.15	100	2500x1200	4.00
WLD-100-6	304	94	6	100	2500x1200	14.00

Perforated Mesh

Round Holes

R0.5 T1 23% - 0.5mm hole | R0.8 T1.5 25% - 0.8mm hole | R1T2 23% - 1mm hole | R1.5 T2.75 26% - 1.5mm hole

R2 T3 40% - 2mm hole | R2 T3.5 30% - 2mm hole | R2 T4 23% - 2mm hole | R3 T4 50% - 3mm hole

R3 T5 32% - 3mm hole | R3 T6 23% - 3mm hole | R4 T5 58% - 4mm hole | R4 T6 40% - 4mm hole

R4 T8 23% - 4mm hole | R5 T7 45% - 5mm hole | R5 T8 35% - 5mm hole | R5 T10 23% - 5mm hole

Perforated Mesh
Round Holes

R5 T10 23% - 5mm hole | R6T8.5 45% - 6 mm hole | R8 T11 47% - 8mm hole | R10 T13 53% - 10mm hole

R10 T15 40% - 10mm hole | R12 T13 77% - 12mm hole | R12 T16 51% - 12mm hole | R15 T20 50% - 15mm hole

R20 T27 51% - 20mm hole

Perforated Mesh
Round Holes

- Stainless Steel grade 304 and 316L
- Sheet sizes 1000 x 2000 or 1250 x 2500 mm
- Burr free, flat sheets
- Custom made sheets are available on request

Part-Number	Material Grade	Hole size mm	Pitch mm	Open Area %	Thickness mm	Sheet Size mm	Weight kg per sheet
PR0.5T1A	304	0.5	1	23	0.4	2000x1000	5.00
PR0.8T1.5	304	0.8	1.5	25	0.5	2000x1000	6.00
PR0.8T1.5B	316	0.8	1.5	25	0.5	2000x1000	6.00
PR1T2A	304	1	2	23	0.5	2000x1000	6.00
PR1T2B	304	1	2	23	0.75	2000x1000	9.00
PR1T2C	304	1	2	23	1	2000x1000	12.00
PR1.1T2	316	1.1	2	23	0.75	2000x1000	9.00
PR1.5T2.75	304	1.5	2.75	26	1	2000x1000	12.00
PR1.5T2.75B	316	1.5	2.75	26	1	2000x1000	12.00
PR2T3A	304	2	3	40	1	2000x1000	10.00
PR2T3.5A	304	2	3.5	30	1	2000x1000	11.00
PR2T3.5B	304	2	3.5	30	1.5	2000x1000	17.00
PR2T3.5C	304	2	3.5	30	0.5	2000x1000	6.00
PR2T3.5D	316	2	3.5	30	1	2000x1000	11.00
PR3T4A	304	3	4	50	1	2000x1000	8.00
PR3T4B	316	3	4	50	1	2000x1000	8.00
PR3T5A	304	3	5	32	1	2000x1000	11.00
PR3T5B	304	3	5	32	1.5	2000x1000	16.00
PR3T5C	316	3	5	32	1	2000x1000	11.00
PR3T5D	304	3	5	32	2	2000x1000	22.00
PR3T5E	304	3	5	32	0.5	2000x1000	5.00
PR3T5F	316	3	5	32	1.5	2000x1000	16.00
PR3T5G	304	3	5	32	1	2500x1250	17.00
PR3T5H	304	3	5	32	1.5	2500x1250	25.00
PR3T5J	316	3	5	32	2	2000x1000	22.00
PR4T5A	304	4	5	58	1	2000x1000	7.00
PR4T6	304	4	6	40	1	2000x1000	10.00
PR4T7A	304	4	7	29	1.5	2000x1000	17.00
PR4T7C	316	4	7	29	1.5	2000x1000	17.00
PR4T7D	316	4	7	29	2	2000x1000	23.00
PR5T6A	304	5	6	63	1	2000x1000	6.00
PR5T6B	304	5	6	63	1.5	2000x1000	9.00
PR5T7A	304	5	7	45	0.5	2000x1000	5.00
PR5T7B	304	5	7	45	1	2000x1000	9.00
PR5T7C	316	5	7	45	1	2000x1000	9.00
PR5T8A	304	5	8	35	1.5	2000x1000	15.00
PR5T8B	304	5	8	35	2	2000x1000	21.00
PR5T8C	316	5	8	35	1.5	2000x1000	15.00
PR5T8D	304	5	8	35	1	2500x1250	16.00
PR5T8E	304	5	8	35	1.5	2500x1250	24.00
PR5T8F	316	5	8	35	1	2000x1000	10.00
PR5T10	304	5	10	23	3	2000x1000	37.00
PR6T8.5A	304	6	8.5	45	0.5	2000x1000	4.00

Perforated Mesh

Round Holes

Part-Number	Material Grade	Hole size mm	Pitch mm	Open Area %	Thickness mm	Sheet Size mm	Weight kg per sheet
PR6T8.5B	304	6	8.5	45	1	2000x1000	9.00
PR6T9A	304	6	9	40	1	2000x1000	10.00
PR6T9C	304	6	9	40	1.5	2000x1000	14.00
PR6T9B	304	6	9	40	2	2000x1000	19.00
PR6T12A	304	6	12	23	3	2000x1000	37.00
PR8T11A	304	8	11	47	1	2000x1000	8.00
PR8T11B	316	8	11	47	1	2000x1000	8.00
PR8T11C	316	8	11	47	1.5	2000x1000	13.00
PR8T12A	304	8	12	40	1.5	2000x1000	14.00
PR8T12B	304	8	12	40	2	2000x1000	19.00
PR8T12C	304	8	12	40	3	2000x1000	29.00
PR10T13	304	10	13	53	1	2000x1000	7.00
PR10T13B	304	10	13	53	1	2500x1250	12.00
PR10T15A	304	10	15	40	1.5	2000x1000	14.00
PR10T15B	304	10	15	40	2	2000x1000	19.00
PR10T15C	304	10	15	40	3	2000x1000	29.00
PR10T15D	316	10	15	40	1.5	2000x1000	14.00
PR10T15E	304	10	15	40	1.5	2500x1250	22.00
PR12T17A	304	12	17	45	1.5	2000x1000	13.00
PR15T20A	304	15	20	50	1	2000x1000	8.00
PR15T21A	304	15	21	46	1.5	2000x1000	13.00
PR15T21B	304	15	21	46	3	2000x1000	26.00

Plate

Grades: 304L, 316L, 2205, 3CR12, 253MA ASTM A240/A480
Finishes: 2B LPE, 1D, No. 1, 2E
Unit of Supply: Each
Certification: Acc. to

PSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G304L – 2B					
PSS004G304L2BP+12192438	G304L	2B LPE	4mm x 1219 x 2438	PLATE G304L 2B LPE ASTM A240/A480	95.10
PSS004G304L2BP+15003000	G304L	2B LPE	4mm x 1500 x 3000	PLATE G304L 2B LPE ASTM A240/A480	144.00
PSS004G304L2BP+15004000	G304L	2B LPE	4mm x 1500 x 4000	PLATE G304L 2B LPE ASTM A240/A480	192.00
PSS004G304L2BP+15006000	G304L	2B LPE	4mm x 1500 x 6000	PLATE G304L 2B LPE ASTM A240/A480	288.00
PSS004G304L2BP+20004000	G304L	2B LPE	4mm x 2000 x 4000	PLATE G304L 2B LPE ASTM A240/A480	256.00
PSS004G304L2BP+20006000	G304L	2B LPE	4mm x 2000 x 6000	PLATE G304L 2B LPE ASTM A240/A480	384.00
PSS005G304L2BP+12192438	G304L	2B LPE	5mm x 1219 x 2438	PLATE G304L 2B LPE ASTM A240/A480	118.88
PSS005G304L2BP+15003000	G304L	2B LPE	5mm x 1500 x 3000	PLATE G304L 2B LPE ASTM A240/A480	180.00
PSS005G304L2BP+15004000	G304L	2B LPE	5mm x 1500 x 4000	PLATE G304L 2B LPE ASTM A240/A480	240.00
PSS005G304L2BP+15006000	G304L	2B LPE	5mm x 1500 x 6000	PLATE G304L 2B LPE ASTM A240/A480	360.00
PSS005G304L2BP+20004000	G304L	2B LPE	5mm x 2000 x 4000	PLATE G304L 2B LPE ASTM A240/A480	320.00
PSS005G304L2BP+20006000	G304L	2B LPE	5mm x 2000 x 6000	PLATE G304L 2B LPE ASTM A240/A480	480.00
PSS006G304L2BP+12192438	G304L	2B LPE	6mm x 1219 x 2438	PLATE G304L 2B LPE ASTM A240/A480	142.65
PSS006G304L2BP+15003000	G304L	2B LPE	6mm x 1500 x 3000	PLATE G304L 2B LPE ASTM A240/A480	216.03
PSS006G304L2BP+15004000	G304L	2B LPE	6mm x 1500 x 4000	PLATE G304L 2B LPE ASTM A240/A480	288.00
PSS006G304L2BP+15006000	G304L	2B LPE	6mm x 1500 x 6000	PLATE G304L 2B LPE ASTM A240/A480	432.00
PSS006G304L2BP+20004000	G304L	2B LPE	6mm x 2000 x 4000	PLATE G304L 2B LPE ASTM A240/A480	384.00
PSS006G304L2BP+20006000	G304L	2B LPE	6mm x 2000 x 6000	PLATE G304L 2B LPE ASTM A240/A480	576.00
PSS008G304L2BP+15003000	G304L	2B LPE	8mm x 1500 x 3000	PLATE G304L 2B LPE ASTM A240/A480	290.52
PSS008G304L2BP+15006000	G304L	2B LPE	8mm x 1500 x 6000	PLATE G304L 2B LPE ASTM A240/A480	576.00
PSS008G304L2BP+20004000	G304L	2B LPE	8mm x 2000 x 4000	PLATE G304L 2B LPE ASTM A240/A480	512.00
PSS008G304L2BP+20006000	G304L	2B LPE	8mm x 2000 x 6000	PLATE G304L 2B LPE ASTM A240/A480	768.00
G316L – 2B					
PSS004G316L2BP+12192438	G316L	2B LPE	4mm x 1219 x 2438	PLATE G316L 2B LPE ASTM A240/A480	95.10
PSS004G316L2BP+15003000	G316L	2B LPE	4mm x 1500 x 3000	PLATE G316L 2B LPE ASTM A240/A480	144.00
PSS004G316L2BP+20004000	G316L	2B LPE	4mm x 2000 x 4000	PLATE G316L 2B LPE ASTM A240/A480	256.00
PSS004G316L2BP+20006000	G316L	2B LPE	4mm x 2000 x 6000	PLATE G316L 2B LPE ASTM A240/A480	384.00
PSS005G316L2BP+12192438	G316L	2B LPE	5mm x 1219 x 2438	PLATE G316L 2B LPE ASTM A240/A480	118.88
PSS005G316L2BP+15003000	G316L	2B LPE	5mm x 1500 x 3000	PLATE G316L 2B LPE ASTM A240/A480	180.00
PSS005G316L2BP+15006000	G316L	2B LPE	5mm x 1500 x 6000	PLATE G316L 2B LPE ASTM A240/A480	360.00
PSS005G316L2BP+20004000	G316L	2B LPE	5mm x 2000 x 4000	PLATE G316L 2B LPE ASTM A240/A480	320.00
PSS005G316L2BP+20006000	G316L	2B LPE	5mm x 2000 x 6000	PLATE G316L 2B LPE ASTM A240/A480	480.00
PSS006G316L2BP+12192438	G316L	2B LPE	6mm x 1219 x 2438	PLATE G316L 2B LPE ASTM A240/A480	142.65
PSS006G316L2BP+15003000	G316L	2B LPE	6mm x 1500 x 3000	PLATE G316L 2B LPE ASTM A240/A480	216.03
PSS006G316L2BP+15004000	G316L	2B LPE	6mm x 1500 x 4000	PLATE G316L 2B LPE ASTM A240/A480	288.00
PSS006G316L2BP+15006000	G316L	2B LPE	6mm x 1500 x 6000	PLATE G316L 2B LPE ASTM A240/A480	432.00
PSS006G316L2BP+20004000	G316L	2B LPE	6mm x 2000 x 4000	PLATE G316L 2B LPE ASTM A240/A480	384.00
PSS006G316L2BP+20006000	G316L	2B LPE	6mm x 2000 x 6000	PLATE G316L 2B LPE ASTM A240/A480	576.00
PSS008G316L2BP+15003000	G316L	2B LPE	8mm x 1500 x 3000	PLATE G316L 2B LPE ASTM A240/A480	288.00
PSS008G316L2BP+15006000	G316L	2B LPE	8mm x 1500 x 6000	PLATE G316L 2B LPE ASTM A240/A480	576.00
PSS008G316L2BP+20004000	G316L	2B LPE	8mm x 2000 x 4000	PLATE G316L 2B LPE ASTM A240/A480	512.00

Plate

Grades: 304L, 316L, 2205, 3CR12, 253MA ASTM A240/A480
Finishes: 2B LPE, 1D, No. 1, 2E
Unit of Supply: Each
Certification: Acc. to

PSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G304L – No. 1					
PSS008G304LN01+15003000	G304L	N01	8mm x 1500 x 3000	PLATE G304L N01 ASTM A240/A480	288.00
PSS010G304LN01+15003000	G304L	N01	10mm x 1500 x 3000	PLATE G304L N01 ASTM A240/A480	360.00
PSS010G304LN01+20004000	G304L	N01	10mm x 2000 x 4000	PLATE G304L N01 ASTM A240/A480	640.00
PSS010G304LN01+20006000	G304L	N01	10mm x 2000 x 6000	PLATE G304L N01 ASTM A240/A480	960.00
PSS012G304LN01+15003000	G304L	N01	12mm x 1500 x 3000	PLATE G304L N01 ASTM A240/A480	432.00
PSS012G304LN01+20004000	G304L	N01	12mm x 2000 x 4000	PLATE G304L N01 ASTM A240/A480	768.00
PSS016G304LN01+15003000	G304L	N01	16mm x 1500 x 3000	PLATE G304L N01 ASTM A240/A480	576.00
PSS016G304LN01+20004000	G304L	N01	16mm x 2000 x 4000	PLATE G304L N01 ASTM A240/A480	1024.00
PSS020G304LN01+15003000	G304L	N01	20mm x 1500 x 3000	PLATE G304L N01 ASTM A240/A480	720.00
PSS020G304LN01+20004000	G304L	N01	20mm x 2000 x 4000	PLATE G304L N01 ASTM A240/A480	1280.00
PSS025G304LN01+15003000	G304L	N01	25mm x 1500 x 3000	PLATE G304L N01 ASTM A240/A480	900.00
PSS025G304LN01+20004000	G304L	N01	25mm x 2000 x 4000	PLATE G304L N01 ASTM A240/A480	1600.00
PSS032G304LN01+15003000	G304L	N01	32mm x 1500 x 3000	PLATE G304L N01 ASTM A240/A480	1152.00
PSS032G304LN01+20004000	G304L	N01	32mm X 2000 x 4000	PLATE G304L N01 ASTM A240/A480	2048.00
PSS040G304LN01+20004000	G304L	N01	40mm X 2000 x 4000	PLATE G304L N01 ASTM A240/A480	2559.00
PSS050G304LN01+20004000	G304L	N01	50mm X 2000 x 4000	PLATE G304L N01 ASTM A240/A480	3200.00
PSS065G304LN01+20004000	G304L	N01	65mm X 2000 x 4000	PLATE G304L N01 ASTM A240/A480	4160.00
G316L – No. 1					
PSS008G316LN01+15003000	G316L	N01	8mm x 1500 x 3000	PLATE G316L N01 ASTM A240/A480	288.00
PSS008G316LN01+20004000	G316L	N01	8mm x 2000 x 4000	PLATE G316L N01 ASTM A240/A480	512.00
PSS010G316LN01+15003000	G316L	N01	10mm x 1500 x 3000	PLATE G316L N01 ASTM A240/A480	360.00
PSS010G316LN01+20004000	G316L	N01	10mm x 2000 x 4000	PLATE G316L N01 ASTM A240/A480	640.00
PSS012G316LN01+15003000	G316L	N01	12mm x 1500 x 3000	PLATE G316L N01 ASTM A240/A480	432.00
PSS012G316LN01+20004000	G316L	N01	12mm x 2000 x 4000	PLATE G316L N01 ASTM A240/A480	768.00
PSS012G316LN01+20006000	G316L	N01	12mm x 2000 x 6000	PLATE G316L N01 ASTM A240/A480	1152.00
PSS016G316LN01+15003000	G316L	N01	16mm x 1500 x 3000	PLATE G316L N01 ASTM A240/A480	576.00
PSS016G316LN01+20004000	G316L	N01	16mm x 2000 x 4000	PLATE G316L N01 ASTM A240/A480	1024.00
PSS020G316LN01+15003000	G316L	N01	20mm x 1500 x 3000	PLATE G316L N01 ASTM A240/A480	720.00
PSS020G316LN01+20004000	G316L	N01	20mm x 2000 x 4000	PLATE G316L N01 ASTM A240/A480	1280.00
PSS025G316LN01+15003000	G316L	N01	25mm x 1500 x 3000	PLATE G316L N01 ASTM A240/A480	900.00
PSS025G316LN01+20004000	G316L	N01	25mm x 2000 x 4000	PLATE G316L N01 ASTM A240/A480	1600.00
PSS032G316LN01+20004000	G316L	N01	32mm x 2000 x 4000	PLATE G316L N01 ASTM A240/A480	2048.00
PSS040G316LN01+20004000	G316L	N01	40mm x 2000 x 4000	PLATE G316L N01 ASTM A240/A480	2560.00
PSS050G316LN01+20004000	G316L	N01	50mm x 2000 x 4000	PLATE G316L N01 ASTM A240/A480	3200.00
PSS065G316LN01+20004000	G316L	N01	65mm x 2000 x 4000	PLATE G316L N01 ASTM A240/A480	4160.00

Plate

Grades: 304L, 316L, 2205, 3CR12, 253MA ASTM A240/A480
Finishes: 2B LPE, 1D, No. 1, 2E
Unit of Supply: Each
Certification: Acc. to

PSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G2205 – 2E/1D					
PSS004G2205N01+20004000	G2205	2E	4mm x 2000 x 4000	PLATE G2205 2E ASTM A240/A480	256.00
PSS005G2205N01+20004000	G2205	1D	5mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	320.00
PSS006G2205N01+20004000	G2205	1D	6mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	384.00
PSS008G2205N01+20004000	G2205	1D	8mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	512.00
PSS010G2205N01+20004000	G2205	1D	10mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	640.00
PSS012G2205N01+20004000	G2205	1D	12mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	768.00
PSS016G2205N01+20004000	G2205	1D	16mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	1024.00
PSS020G2205N01+20004000	G2205	1D	20mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	1280.00
PSS025G2205N01+20004000	G2205	1D	25mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	1600.00
PSS032G2205N01+20004000	G2205	1D	32mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	2048.00
PSS040G2205N01+20004000	G2205	1D	40mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	2560.00
PSS050G2205N01+20004000	G2205	1D	50mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	3200.00
G3CR12 – No. 1					
SSS300G3CR12N01+15003000	G3CR12	N01	3mm x 1500 x 3000	PLATE G3CR12 N01 ASTM A240/A480	108.00
PSS005G3CR12N01+15003000	G3CR12	N01	5mm x 1500 x 3000	PLATE G3CR12 N01 ASTM A240/A480	180.00
PSS006G3CR12N01+15003000	G3CR12	N01	6mm x 1500 x 3000	PLATE G3CR12 N01 ASTM A240/A480	216.00
G253MA – 2E/1D					
PSS005G253MAN01+20004000	G253MA	2E	5mm x 2000 x 4000	PLATE G253MA 2E ASTM A240/A480	320.00
PSS006G253MAN01+20004000	G253MA	1D	6mm x 2000 x 4000	PLATE G253MA 1D ASTM A240/A480	384.00
PSS008G253MAN01+20004000	G253MA	1D	8mm x 2000 x 4000	PLATE G253MA 1D ASTM A240/A480	512.00
PSS010G253MAN01+20004000	G253MA	1D	10mm x 2000 x 4000	PLATE G253MA 1D ASTM A240/A480	640.00
PSS012G253MAN01+20004000	G253MA	1D	12mm x 2000 x 4000	PLATE G253MA 1D ASTM A240/A480	768.00
PSS015G253MAN01+15003000	G253MA	1D	15mm x 1500 x 3000	PLATE G253MA 1D ASTM A240/A480	540.00
PSS020G253MAN01+15003000	G253MA	1D	20mm x 2000 x 4000	PLATE G253MA 1D ASTM A240/A480	1280.00
PSS025G253MAN01+20004000	G253MA	1D	25mm x 2000 x 4000	PLATE G253MA 1D ASTM A240/A480	1600.00

Coil

Grades: 304, 304L, 316L
Finishes: 2B, BA, No. 4
Unit of Supply: Kg

Certification: Acc. to ASTM A240/A480

CSS

Product Code	Grade	Finish	Product Size (mm)	Description	kg/m
G304 - 2B					
CSS055G3042B+0915	G304	2B	0.55mm x 0915	COIL G304 2B ASTM A240/A480	4.02
CSS055G3042B+1219	G304	2B	0.55mm x 1219	COIL G304 2B ASTM A240/A480	5.36
CSS090G3042B+1219	G304	2B	0.90mm x 1219	COIL G304 2B ASTM A240/A480	8.78
CSS120G3042B+1219	G304	2B	1.20mm x 1219	COIL G304 2B ASTM A240/A480	11.70
CSS200G3042B+1219	G304	2B	2.00mm x 1219	COIL G304L 2B ASTM A240/A480	19.50
CSS250G3042B+1219	G304	2B	2.50mm x 1219	COIL G304L 2B ASTM A240/A480	24.38
CSS300G3042B+1219	G304	2B	3.00mm x 1219	COIL G304L 2B ASTM A240/A480	29.25
CSS090G3042BP+1219	G304	2B LPE	0.90mm x 1219	COIL G304 2B LPE ASTM A240/A480	8.78
CSS090G3042BP+1500	G304	2B LPE	0.90mm x 1500	COIL G304 2B LPE ASTM A240/A480	10.80
CSS120G3042BP+0915	G304	2B LPE	1.20mm x 0915	COIL G304 2B LPE ASTM A240/A480	8.78
CSS120G3042BP+1219	G304	2B LPE	1.20mm x 1219	COIL G304 2B LPE ASTM A240/A480	11.70
CSS120G3042BP+1500	G304	2B LPE	1.20mm x 1500	COIL G304 2B LPE ASTM A240/A480	14.40
CSS120G3042BP+1524	G304	2B LPE	1.20mm x 1524	COIL G304 2B LPE ASTM A240/A480	14.63
CSS150G3042BP+1219	G304	2B LPE	1.50mm x 1219	COIL G304 2B LPE ASTM A240/A480	14.63
CSS150G3042BP+1500	G304	2B LPE	1.50mm x 1500	COIL G304 2B LPE ASTM A240/A480	18.00
CSS200G3042BP+1219	G304L	2B LPE	2.00mm x 1219	COIL G304L 2B LPE ASTM A240/A480	19.50
CSS200G3042BP+1500	G304L	2B LPE	2.00mm x 1500	COIL G304L 2B LPE ASTM A240/A480	24.00
CSS200G304L2BP+2000	G304L	2B LPE	2.00mm x 2000	COIL G304L 2B LPE ASTM A240/A480	32.00
CSS250G3042BP+1219	G304L	2B LPE	2.50mm x 1219	COIL G304L 2B LPE ASTM A240/A480	24.38
CSS250G3042BP+1500	G304L	2B LPE	2.50mm x 1500	COIL G304L 2B LPE ASTM A240/A480	30.00
CSS250G304L2BP+2000	G304L	2B LPE	2.50mm x 2000	COIL G304L 2B LPE ASTM A240/A480	40.00
CSS300G3042BP+1219	G304L	2B LPE	3.00mm x 1219	COIL G304L 2B LPE ASTM A240/A480	29.25
CSS300G3042BP+1500	G304L	2B LPE	3.00mm x 1500	COIL G304L 2B LPE ASTM A240/A480	36.00
CSS300G304L2BP+2000	G304L	2B LPE	3.00mm x 2000	COIL G304L 2B LPE ASTM A240/A480	48.00
CSS400G304L2BP+1500	G304L	2B LPE	4.00mm x 1500	COIL G304L 2B LPE ASTM A240/A480	48.00
CSS400G304L2BP+2000	G304L	2B LPE	4.00mm x 2000	COIL G304L 2B LPE ASTM A240/A480	64.00
G304 - BA					
CSS120G304BA+0915	G304	BA LPE	1.20mm x 0915	COIL G304 BA LPE ASTM A240/A480	8.78
CSS120G304BA+1219	G304	BA LPE	1.20mm x 1219	COIL G304 BA LPE ASTM A240/A480	11.70
G304 - No. 4					
CSS120G304N04+0915	G304	N04 LPE	1.20mm x 0915	COIL G304 N04 LPE ASTM A240/A480	8.78
CSS120G304N04+1219	G304	N04 LPE	1.20mm x 1219	COIL G304 N04 LPE ASTM A240/A480	11.70
CSS120G304N04+1524	G304	N04 LPE	1.20mm x 1524	COIL G304 N04 LPE ASTM A240/A480	14.63
CSS150G304N04+0915	G304	N04 LPE	1.50mm x 0915	COIL G304 N04 LPE ASTM A240/A480	10.98
CSS150G304N04+1219	G304	N04 LPE	1.50mm x 1219	COIL G304 N04 LPE ASTM A240/A480	14.63

Coil processing up to 3mm is available in New Zealand
Laser cutting quality film standard (100 microns)

Other grades and sizes available on request ex. mill stock or production.

Coil

Grades: 304, 304L, 316L
Finishes: 2B, BA, No. 4
Unit of Supply: Kg

Certification: Acc. to ASTM A240/A480

CSS

Product Code	Grade	Finish	Product Size (mm)	Description	kg/m
G316L - 2B					
CSS200G316L2BP+1219	G316L	2B LPE	2.00mm x 1219	COIL G316L 2B LPE ASTM A240/A480	19.50
CSS200G316L2BP+1500	G316L	2B LPE	2.00mm x 1500	COIL G316L 2B LPE ASTM A240/A480	24.00
CSS250G316L2BP+1219	G316L	2B LPE	2.50mm x 1219	COIL G316L 2B LPE ASTM A240/A480	24.38
CSS250G316L2BP+1500	G316L	2B LPE	2.50mm x 1500	COIL G316L 2B LPE ASTM A240/A480	30.00
CSS300G316L2B+1219	G316L	2B	3.00mm x 1219	COIL G316L 2B ASTM A240/A480	29.25
CSS300G316L2BP+1219	G316L	2B LPE	3.00mm x 1219	COIL G316L 2B LPE ASTM A240/A480	29.25
CSS300G316L2BP+1500	G316L	2B LPE	3.00mm x 1500	COIL G316L 2B LPE ASTM A240/A480	36.00
CSS400G316L2BP+1500	G316L	2B LPE	4.00mm x 1500	COIL G316L 2B LPE ASTM A240/A480	48.00

Cut-to-length options available in New Zealand or offshore.

Coil processing up to 3mm is available in New Zealand
Laser cutting quality film standard (100 microns)

Other grades and sizes available on request ex. mill stock or production.

Tread / Tear Plates

Grades: 304
Finishes: No. 1

Unit of Supply: Each
Certification: Acc. to ASTM A240/A480

HRAP Pattern B and Pressed Types

Stainless Steel is the standard for floor plates for use in galley spaces, washrooms, engine rooms and machinery spaces, platforms, deck and ladder treads.

PCS

Product Code	Product Size (mm)	Description	Weight Ea (kg)
PCS0031G304N01+12502500	3.1mm x 1250 x 2500	PLATE CHEQUER G304 HR N01 - ASTM A793 Pattern B	77.50
PCS0031G304N01+12503000	3.1mm x 1250 x 3000	PLATE CHEQUER G304 HR N01 - ASTM A793 Pattern B	93.00
PCS0047G304N01+12502500	4.76mm x 1250 x 2500	PLATE CHEQUER G304 HR N01 - ASTM A793 Pattern B	119.00
PCS0047G304N01+15243048	4.76mm x 1524 x 3048	PLATE CHEQUER G304 HR N01 - ASTM A793 Pattern B	177.00

Tear*

Length mm	Width mm	Thickness mm°
25 - 32	6 - 10	1 - 2

* the dimensions and the mass are indicative
° the thickness of the tear depends on the thickness of the plate
+ thickness on request

HRAP Pattern B

Pressed
(Available on Indent)

Profiling and Polishing Service

Vulcan Stainless offers you the most comprehensive service for profile cutting and polishing stainless steel sheet and plate in New Zealand.

Options include

- Laser cutting for high accuracy and precision
- Plasma cutting for large pieces or thicknesses

We can accommodate virtually any configuration specified. Additionally with our in-house polishing service, the resulting components can be polished to a high lustre for exceptional presentation.

Components can also be supplied PE coated for protection.

With dedicated profiling teams based in Auckland and Christchurch, there is no job too small or large for us to handle.

Benefits for you

- Two workshops 100% dedicated to stainless steel so less potential for contamination issues
- Very diverse range of stainless steel grades and plate sizes to meet a wide variety of applications (standard, high temperature, duplex and special purpose grades)
- Cutting options for stainless plate and sheet from 0.55 mm up to 65 mm
- North Island and South Island cutting operations
- Full material traceability including heat numbers recorded on all customer orders, and Supplier Material Certificates are available on request
- Random spot checks on stock utilising our X-ray Flourescence Metal Analyser confirms alloy composition
- No drawing charges for standard components (rectangles, disks, flanges)
- DXF, DWG & AutoCAD drawing formats all accepted

Laser Cutting Services

Our 6 kW large format Laser Profiling Machine's 3,000 x 6,000mm table capacity allows for... larger size flexibility and greater productivity!

Laser cutting can often eliminate the need for post-machining on many engineering jobs, enabling you to reduce your manufacturing costs considerably. The process is extremely accurate and uses less energy – helping to eliminate or reduce distortion. Additionally, with our large format capacity, the potential to reduce sheets used on a job, and thus welding time, offers considerable cost-savings and when multiple items are required, they can be nested across fewer sheets allowing better efficiency – faster speed of delivery.

The levels of precision and edge quality achievable with laser cutting is far superior to traditional cutting methods, enabling us to cut complex shapes and very small holes.

Thickness (mm)	Smallest Ø Hole (mm)
25	11.0
20	9.0
16	4.5
12	3.75
10	2.5
8	2.0
6	1.5
5	1.25
4	1.0
3	0.75
2	0.5

- Large bed capacity (3,000 mm x 6,000 mm)
- Scratch-free one-side only is typically offered (due to the nature of the metal bed that the plates are nested on)
- High accuracy, precision cutting
- Repeatability – intricate pieces with slots, holes, angles, or detailed patterns can be created over and over to the same specifications
- Ideal for complicated shapes
- CAD/CAM component nesting for most economic use of material
- Laser etching on components can be done to improve customer efficiencies in areas such as: illustrating folding lines, part numbers, critical customer information, etc

Plasma Cutting Services

- Hypertherm high definition plasma cutting machine
- 76 mm max. cutting thickness
- Large bed capacity (3,000 mm x 6,800 mm)
- C.N.C. operated
- Underwater cutting for less heat distortion
- During the plasma cutting process, a chamfered cut is created... thus allowances need to be made for parts that need additional machining. Machining allowances need to be CLEARLY stated on placement of order!
- An in-house edge deburring service is provided

Thickness (mm)	Smallest Ø Hole (mm)	Recommended Machining Allowance (mm)
76	120	15
65	120	15
50	100	10
40	75	10
32	55	7
25	45	6
20	45	6
16	35	6
12	25	5
10	25	5
8	25	5

Polishing Service

- One custom-built dry polishing machine
- Polishes plate and profile cut components
- Flat Bar polishing available (outsourced)
- No. 4 / 240 grit polish standard (Ra < 0.8µm)
- Suitable for polishing No. 1 (mill finish) and 2B components from 3.0 mm to 76 mm thickness
- Maximum plate size 2,000 mm x 6,000 mm

Coil Slitting and Cut-to-length Service

To meet customers' specific requirements, Vulcan Stainless routinely out-sources this specialist process via both local and international production facilities.

Sheetmetal Standard Sizing

Gauge No.	mm
10	3.00
12	2.50
14	2.00
16	1.50
18	1.20
20	0.90
22	0.70
24	0.55
26	0.45

Imperial (ft)	Metric (mm)
8 x 3	2438 x 0915
8 x 4	2438 x 1219
10 x 3	3048 x 0915
10 x 4	3048 x 1219
10 x 5	3048 x 1524
12 x 3	3658 x 0915
12 x 4	3658 x 1219

Surface Finishes

For plate, sheet, coil and strip

When ordering, it is important to specify surface finish to ensure it is appropriate for the application, even when appearance is not a factor.

Surface finishes can improve, or impair, corrosion resistance depending on the environment in which it is used. There are many finishes that can be used - mill, ground, brushed, polished, bead blasted, electropolished, coloured and patterned

Surface finishes for stainless steel sheet, coil, strip and plates are defined in standards ASTM A480 / A480M - 10 (tables 11 and 13) and BS EN 10088-2 (table 6) which uses a coding system for ex mill finishes - (1) for hot rolled (HR), (2) for cold rolled (CR), and "special finishes" to achieve specific aesthetic effects.

A 'special finish' usually involves close consultation with specialist finishers, as surface characteristics can vary, and the final acceptance of special finishes is often done by using agreed reference or control standard samples.

The definitions of surface finish do not express surface roughness achieved in terms of Ra values, however included in the below table is an indication of average Ra values where available.

Most common standard mill finishes

Finish No. ASTM A480	Finish No. EN 10088-2	Typical surface Ra (micrometres µm)*	Production route / remarks
0	1C	-	HR or CR, annealed, mill scale not removed, scale impairs corrosion resistance, generally used for heat resisting applications
1	1D	4.0 - 7.0	HR, annealed, pickled (descaled), used for corrosion and heat resisting applications
1	1E		HR, heat treated, mechanically descaled
–	1U		HR, not heat treated, not descaled
2D	2D	0.4 - 2.0	CR, annealed, pickled (descaled), matt, non-reflective finish
2E	2E	0.4 - 2.0	CR, annealed, surface blasted and pickled, after cold rolling, matt, non-reflective finish
2B	2B	0.1 - 0.5	HR, annealed, descaled, cold rolled, skin passed, most commonly used sheet and coil finish, bright, moderately reflective surface
–	2C		CR, heat treated, not descaled
No.4	No.4	0.2 - 1.0	CR, annealed, pickled (descaled), most common polished finish for catering and dairy equipment, grit polished to approximately 120 – 150 mesh
BA	2R	0.05 - 0.1	CR, bright annealed (in protective atmosphere), high reflective mirror-like appearance, but with some "milkiness" and not as reflective as No. 8 finish
No.8	2P	< 0.1	CR, annealed, pickled (descaled), mirror polished with very fine buffing rouges, the most reflective finish commonly produced on sheet (even finer finish is super or ultra No. 8
No.3	2G	-	CR, annealed, pickled (descaled), ground polished with specified grit one side only, unidirectional texture, not very reflective
No.6	2K	< 0.5	CR, annealed, pickled (descaled), finer satin polished, clean cut surface to achieve improved corrosion resistance for marine and architectural applications

* Ra in micrometres (formerly microns) NOTE: specifications do not guarantee a Ra value range.

02/

Bar

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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
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

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)

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

BFS

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)

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

BFS

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)

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

BFS

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

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%

Size tolerances are in accordance with JIS G 4317.

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

Unequal Angle

Grades: 304, 316
Finish: HRAP

Unit of Supply:
6m lengths
Certification: Acc. to ASTM A276 / A484

AUS

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)

Unit of Supply:
6m lengths
Certification: Acc. to ASTM A276 / A484

CHS

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	G	h	b	tw	tf	r *	A	hi	d
	kg/m	mm	mm	mm	mm	mm	mm^2 x10^2	mm	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	$W_{el.z}$	$W_{pl.z}$	iz	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	G	h	b	tw	tf	r *	A	hi	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	I_y	$W_{el.y}$	$W_{pl.y}$	i_y	A_{vz}	I_z	$W_{el.z}$	$W_{pl.z}$	iz	S_s	I_t	I_w
	Strong axis y-y					Weak axis z-z						
	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
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	h	b	tw	tf	r *	A	hi	d
	kg/m	mm	mm	mm	mm	mm	mm^2 x10^2	mm	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	$W_{el.z}$	$W_{pl.z}$	iz	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
	46681.50	2029.63	2341.71	18.46	62.53	2737.79	267.10	419.94	4.47	54.34	132.76	1326.42
450 x 300	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	tw	tf	r *	A	hi	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	$W_{el.z}$	$W_{pl.z}$	iz	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
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, consistant
- 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)

Crash test on Laser fused H beam.

Standard Structural Range

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

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

03/

Pipe

Welded Pipe 66

Seamless Pipe 68

Tube, Pipe & Hollow Bar Sizes 70

Welded Pipe

Grades: 304L, 316L
Schedule: 10S, 40S, 80S

Unit of Supply: 6 metre lengths
Certification: Acc. to ASTM A312M

HPSW

Product Code	Grade	Schedule	Product Size (mm)	Description	kg/m
G304L 10S					
HPSW010NBS10G304L+0600	G304L	10S	010NB SCH10 (3/8")	WELDED PIPE A312 G304L	0.64
HPSW015NBS10G304L+0600	G304L	10S	015NB SCH10 (1/2")	WELDED PIPE A312 G304L	1.00
HPSW020NBS10G304L+0600	G304L	10S	020NB SCH10 (3/4")	WELDED PIPE A312 G304L	1.30
HPSW025NBS10G304L+0600	G304L	10S	025NB SCH10 (1")	WELDED PIPE A312 G304L	2.09
HPSW032NBS10G304L+0600	G304L	10S	032NB SCH10 (1-1/4")	WELDED PIPE A312 G304L	2.73
HPSW040NBS10G304L+0600	G304L	10S	040NB SCH10 (1-1/2")	WELDED PIPE A312 G304L	3.15
HPSW050NBS10G304L+0600	G304L	10S	050NB SCH10 (2")	WELDED PIPE A312 G304L	3.98
HPSW065NBS10G304L+0600	G304L	10S	065NB SCH10 (2-1/2")	WELDED PIPE A312 G304L	5.33
HPSW080NBS10G304L+0600	G304L	10S	080NB SCH10 (3")	WELDED PIPE A312 G304L	6.54
HPSW090NBS10G304L+0600	G304L	10S	090NB SCH10 (3-1/2")	WELDED PIPE A312 G304L	7.40
HPSW100NBS10G304L+0600	G304L	10S	100NB SCH10 (4")	WELDED PIPE A312 G304L	8.47
HPSW125NBS10G304L+0600	G304L	10S	125NB SCH10 (5")	WELDED PIPE A312 G304L	11.56
HPSW150NBS10G304L+0600	G304L	10S	150NB SCH10 (6")	WELDED PIPE A312 G304L	14.00
HPSW200NBS10G304L+0600	G304L	10S	200NB SCH10 (8")	WELDED PIPE A312 G304L	20.22
HPSW250NBS10G304L+0600	G304L	10S	250NB SCH10 (10")	WELDED PIPE A312 G304L	28.12
HPSW300NBS10G304L+0600	G304L	10S	300NB SCH10 (12")	WELDED PIPE A312 G304L	36.50
HPSW350NBS10G304L+0600	G304L	10S	350NB SCH10 (14")	WELDED PIPE A312 G304L	42.00
HPSW400NBS10G304L+0600	G304L	10S	400NB SCH10 (16")	WELDED PIPE A312 G304L	48.10
G316L 10S					
HPSW008NBS10G316L+0600	G316L	10S	008NB SCH10 (1/4")	WELDED PIPE A312 G316L	0.50
HPSW010NBS10G316L+0600	G316L	10S	010NB SCH10 (3/8")	WELDED PIPE A312 G316L	0.64
HPSW015NBS10G316L+0600	G316L	10S	015NB SCH10 (1/2")	WELDED PIPE A312 G316L	1.01
HPSW020NBS10G316L+0600	G316L	10S	020NB SCH10 (3/4")	WELDED PIPE A312 G316L	1.28
HPSW025NBS10G316L+0600	G316L	10S	025NB SCH10 (1")	WELDED PIPE A312 G316L	2.12
HPSW032NBS10G316L+0600	G316L	10S	032NB SCH10 (1-1/4")	WELDED PIPE A312 G316L	2.73
HPSW040NBS10G316L+0600	G316L	10S	040NB SCH10 (1-1/2")	WELDED PIPE A312 G316L	3.15
HPSW050NBS10G316L+0600	G316L	10S	050NB SCH10 (2")	WELDED PIPE A312 G316L	3.99
HPSW065NBS10G316L+0600	G316L	10S	065NB SCH10 (2-1/2")	WELDED PIPE A312 G316L	5.25
HPSW080NBS10G316L+0600	G316L	10S	080NB SCH10 (3")	WELDED PIPE A312 G316L	6.54
HPSW090NBS10G316L+0600	G316L	10S	090NB SCH10 (3-1/2")	WELDED PIPE A312 G316L	7.40
HPSW100NBS10G316L+0600	G316L	10S	100NB SCH10 (4")	WELDED PIPE A312 G316L	8.47
HPSW125NBS10G316L+0600	G316L	10S	125NB SCH10 (5")	WELDED PIPE A312 G316L	11.56
HPSW150NBS10G316L+0600	G316L	10S	150NB SCH10 (6")	WELDED PIPE A312 G316L	14.00
HPSW200NBS10G316L+0600	G316L	10S	200NB SCH10 (8")	WELDED PIPE A312 G316L	20.22
HPSW250NBS10G316L+0600	G316L	10S	250NB SCH10 (10")	WELDED PIPE A312 G316L	28.12
HPSW300NBS10G316L+0600	G316L	10S	300NB SCH10 (12")	WELDED PIPE A312 G316L	36.50
HPSW350NBS10G316L+0600	G316L	10S	350NB SCH10 (14")	WELDED PIPE A312 G316L	42.00
HPSW400NBS10G316L+0600	G316L	10S	400NB SCH10 (16")	WELDED PIPE A312 G316L	48.10
HPSW450NBS10G316L+0600	G316L	10S	450NB SCH10 (18")	WELDED PIPE A312 G316L	54.20
HPSW500NBS10G316L+0600	G316L	10S	500NB SCH10 (20")	WELDED PIPE A312 G316L	69.70
HPSW600NBS10G316L+0600	G316L	10S	600NB SCH10 (24")	WELDED PIPE A312 G316L	95.90
HPSW750NBS10G316L+0600	G316L	10S	750NB SCH10 (30")	WELDED PIPE A312 G316L	149.78
G304L 40S					
HPSW010NBS40G304L+0600	G304L	40S	010NB SCH40 (3/8")	WELDED PIPE A312 G304L	0.80
HPSW015NBS40G304L+0600	G304L	40S	015NB SCH40 (1/2")	WELDED PIPE A312 G304L	1.27
HPSW020NBS40G304L+0600	G304L	40S	020NB SCH40 (3/4")	WELDED PIPE A312 G304L	1.71
HPSW025NBS40G304L+0600	G304L	40S	025NB SCH40 (1")	WELDED PIPE A312 G304L	2.50

Welded Pipe

Grades: 304L, 316L
Schedule: 10S, 40S, 80S

Unit of Supply: 6 metre lengths
Certification: Acc. to ASTM A312M

HPSW

Product Code	Grade	Schedule	Product Size (mm)	Description	kg/m
HPSW032NBS40G304L+0600	G304L	40S	032NB SCH40 (1-1/4")	WELDED PIPE A312 G304L	3.43
HPSW040NBS40G304L+0600	G304L	40S	040NB SCH40 (1-1/2")	WELDED PIPE A312 G304L	3.15
HPSW050NBS40G304L+0600	G304L	40S	050NB SCH40 (2")	WELDED PIPE A312 G304L	5.51
HPSW065NBS40G304L+0600	G304L	40S	065NB SCH40 (2-1/2")	WELDED PIPE A312 G304L	8.74
HPSW080NBS40G304L+0600	G304L	40S	080NB SCH40 (3")	WELDED PIPE A312 G304L	11.43
HPSW090NBS40G304L+0600	G304L	40S	090NB SCH40 (3-1/2")	WELDED PIPE A312 G304L	13.74
HPSW100NBS40G304L+0600	G304L	40S	100NB SCH40 (4")	WELDED PIPE A312 G304L	16.28
HPSW125NBS40G304L+0600	G304L	40S	125NB SCH40 (5")	WELDED PIPE A312 G304L	22.04
HPSW150NBS40G304L+0600	G304L	40S	150NB SCH40 (6")	WELDED PIPE A312 G304L	28.62
HPSW200NBS40G304L+0600	G304L	40S	200NB SCH40 (8")	WELDED PIPE A312 G304L	43.08
HPSW250NBS40G304L+0600	G304L	40S	250NB SCH40 (10")	WELDED PIPE A312 G304L	61.05
HPSW300NBS40G304L+0600	G304L	40S	300NB SCH40 (12")	WELDED PIPE A312 G304L	74.90
G316L 40S					
HPSW008NBS40G316L+0600	G316L	40S	008NB SCH40 (1/4")	WELDED PIPE A312 G316L	0.64
HPSW010NBS40G316L+0600	G316L	40S	010NB SCH40 (3/8")	WELDED PIPE A312 G316L	0.86
HPSW015NBS40G316L+0600	G316L	40S	015NB SCH40 (1/2")	WELDED PIPE A312 G316L	1.29
HPSW020NBS40G316L+0600	G316L	40S	020NB SCH40 (3/4")	WELDED PIPE A312 G316L	1.71
HPSW025NBS40G316L+0600	G316L	40S	025NB SCH40 (1")	WELDED PIPE A312 G316L	2.53
HPSW032NBS40G316L+0600	G316L	40S	032NB SCH40 (1-1/4")	WELDED PIPE A312 G316L	3.43
HPSW040NBS40G316L+0600	G316L	40S	040NB SCH40 (1-1/2")	WELDED PIPE A312 G316L	4.10
HPSW050NBS40G316L+0600	G316L	40S	050NB SCH40 (2")	WELDED PIPE A312 G316L	5.51
HPSW065NBS40G316L+0600	G316L	40S	065NB SCH40 (2-1/2")	WELDED PIPE A312 G316L	8.74
HPSW080NBS40G316L+0600	G316L	40S	080NB SCH40 (3")	WELDED PIPE A312 G316L	11.43
HPSW090NBS40G316L+0600	G316L	40S	090NB SCH40 (3-1/2")	WELDED PIPE A312 G316L	13.74
HPSW100NBS40G316L+0600	G316L	40S	100NB SCH40 (4")	WELDED PIPE A312 G316L	16.28
HPSW125NBS40G316L+0600	G316L	40S	125NB SCH40 (5")	WELDED PIPE A312 G316L	22.04
HPSW150NBS40G316L+0600	G316L	40S	150NB SCH40 (6")	WELDED PIPE A312 G316L	28.62
HPSW200NBS40G316L+0600	G316L	40S	200NB SCH40 (8")	WELDED PIPE A312 G316L	43.08
HPSW250NBS40G316L+0600	G316L	40S	250NB SCH40 (10")	WELDED PIPE A312 G316L	61.05
HPSW300NBS40G316L+0600	G316L	40S	300NB SCH40 (12")	WELDED PIPE A312 G316L	74.90
HPSW350NBS40G316L+0600	G316L	40S	350NB SCH40 (14")	WELDED PIPE A312 G316L STD 9.53MM	83.33
HPSW400NBS40G316L+0600	G316L	40S	400NB SCH40 (16")	WELDED PIPE A312 G316L STD 9.53MM	95.00
HPSW450NBS40G316L+0600	G316L	40S	450NB SCH40 (18")	WELDED PIPE A312 G316L STD 9.53MM	106.67
HPSW500NBS40G316L+0600	G316L	40S	500NB SCH40 (20")	WELDED PIPE A312 G316L STD 9.53MM	118.00
HPSW600NBS40G316L+0600	G316L	40S	600NB SCH40 (24")	WELDED PIPE A312 G316L STD 9.53MM	143.33
G304L 80S					
HPSW080NBS80G304L+0600	G304L	80S	080NB SCH80 (3")	WELDED PIPE A312 G304L	92.57
G316L 80S					
HPSW025NBS80G316L+0600	G316L	80S	025NB SCH80 (1")	WELDED PIPE A312 G316L	3.26
HPSW040NBS80G316L+0600	G316L	80S	040NB SCH80 (1-1/2")	WELDED PIPE A312 G316L	5.40
HPSW050NBS80G316L+0600	G316L	80S	050NB SCH80 (2")	WELDED PIPE A312 G316L	7.58
HPSW080NBS80G316L+0600	G316L	80S	080NB SCH80 (3")	WELDED PIPE A312 G316L	93.16
HPSW100NBS80G316L+0600	G316L	80S	100NB SCH80 (4")	WELDED PIPE A312 G316L	136.15

Seamless Pipe

Types: HF and CF stainless steel pipe
Grades: G304L, G316L, G2205, G253MA
Schedule: 10S, 40S, 80S, 160S
Unit of Supply: Cut to Length

Certification: Acc. to ASTM A312M-08A, A790M-10, ASTM B677, ASTM B668 and A999M-04

HPSS

Product Code	Grade	Schedule	Product Size (mm)	Description	kg/m
G316L 10S					
HPSS020NBS10G316L+0100	G316L	10S	020NB SCH10 (3/4")	SEAMLESS PIPE A312 G316L	1.28
HPSS025NBS10G316L+0100	G316L	10S	025NB SCH10 (1")	SEAMLESS PIPE A312 G316L	2.10
HPSS032NBS10G316L+0100	G316L	10S	032NB SCH10 (1-1/4")	SEAMLESS PIPE A312 G316L	2.70
HPSS040NBS10G316L+0100	G316L	10S	040NB SCH10 (1-1/2")	SEAMLESS PIPE A312 G316L	3.10
HPSS050NBS10G316L+0100	G316L	10S	050NB SCH10 (2")	SEAMLESS PIPE A312 G316L	3.90
HPSS065NBS10G316L+0100	G316L	10S	065NB SCH10 (2-1/2")	SEAMLESS PIPE A312 G316L	5.24
HPSS080NBS10G316L+0100	G316L	10S	080NB SCH10 (3")	SEAMLESS PIPE A312 G316L	6.56
HPSS100NBS10G316L+0100	G316L	10S	100NB SCH10 (4")	SEAMLESS PIPE A312 G316L	8.45
G316L 40S					
HPSS010NBS40G316L+0100	G316L	40S	010NB SCH40 (3/8")	SEAMLESS PIPE A312 G316L	0.83
HPSS015NBS40G316L+0100	G316L	40S	015NB SCH40 (1/2")	SEAMLESS PIPE A312 G316L	1.29
HPSS020NBS40G316L+0100	G316L	40S	020NB SCH40 (3/4")	SEAMLESS PIPE A312 G316L	1.62
HPSS025NBS40G316L+0100	G316L	40S	025NB SCH40 (1")	SEAMLESS PIPE A312 G316L	2.57
HPSS032NBS40G316L+0100	G316L	40S	032NB SCH40 (1-1/4")	SEAMLESS PIPE A312 G316L	3.50
HPSS040NBS40G316L+0100	G316L	40S	040NB SCH40 (1-1/2")	SEAMLESS PIPE A312 G316L	4.18
HPSS050NBS40G316L+0100	G316L	40S	050NB SCH40 (2")	SEAMLESS PIPE A312 G316L	5.64
HPSS065NBS40G316L+0100	G316L	40S	065NB SCH40 (2-1/2")	SEAMLESS PIPE A312 G316L	8.96
HPSS080NBS40G316L+0100	G316L	40S	080NB SCH40 (3")	SEAMLESS PIPE A312 G316L	11.59
HPSS090NBS40G316L+0100	G316L	40S	090NB SCH40 (3-1/2")	SEAMLESS PIPE A312 G316L	13.92
HPSS100NBS40G316L+0100	G316L	40S	100NB SCH40 (4")	SEAMLESS PIPE A312 G316L	16.61
HPSS150NBS40G316L+0100	G316L	40S	150NB SCH40 (6")	SEAMLESS PIPE A312 G316L	28.73
G316L 80S					
HPSS008NBS80G316L+0100	G316L	80S	008NB SCH80 (1/4")	SEAMLESS PIPE A312 G316L	0.80
HPSS015NBS80G316L+0100	G316L	80S	015NB SCH80 (1/2")	SEAMLESS PIPE A312 G316L	1.97
HPSS020NBS80G316L+0100	G316L	80S	020NB SCH80 (3/4")	SEAMLESS PIPE A312 G316L	2.11
HPSS025NBS80G316L+0100	G316L	80S	025NB SCH80 (1")	SEAMLESS PIPE A312 G316L	3.26
HPSS032NBS80G316L+0100	G316L	80S	032NB SCH80 (1-1/4")	SEAMLESS PIPE A312 G316L	4.65
HPSS040NBS80G316L+0100	G316L	80S	040NB SCH80 (1-1/2")	SEAMLESS PIPE A312 G316L	5.64
HPSS050NBS80G316L+0100	G316L	80S	050NB SCH80 (2")	SEAMLESS PIPE A312 G316L	7.68
HPSS065NBS80G316L+0100	G316L	80S	065NB SCH80 (2-1/2")	SEAMLESS PIPE A312 G316L	11.96
HPSS080NBS80G316L+0100	G316L	80S	080NB SCH80 (3")	SEAMLESS PIPE A312 G316L	15.67
HPSS090NBS80G316L+0100	G316L	80S	090NB SCH80 (3-1/2")	SEAMLESS PIPE A312 G316L	19.11
HPSS100NBS80G316L+0100	G316L	80S	100NB SCH80 (4")	SEAMLESS PIPE A312 G316L	22.90
HPSS125NBS80G316L+0100	G316L	80S	125NB SCH80 (5")	SEAMLESS PIPE A312 G316L	31.87
HPSS150NBS80G316L+0100	G316L	80S	150NB SCH80 (6")	SEAMLESS PIPE A312 G316L	43.78
HPSS200NBS80G316L+0100	G316L	80S	200NB SCH80 (8")	SEAMLESS PIPE A312 G316L	66.45
G316L 160S					
HPSS015NBS160G316L+0100	G316L	160S	015NB SCH160 (1/2")	SEAMLESS PIPE A312 G316L	1.97
HPSS020NBS160G316L+0100	G316L	160S	020NB SCH160 (3/4")	SEAMLESS PIPE A312 G316L	2.85
HPSS025NBS160G316L+0100	G316L	160S	025NB SCH160 (1")	SEAMLESS PIPE A312 G316L	4.39
HPSS032NBS160G316L+0100	G316L	160S	032NB SCH160 (1-1/4")	SEAMLESS PIPE A312 G316L	5.83
HPSS040NBS160G316L+0100	G316L	160S	040NB SCH160 (1-1/2")	SEAMLESS PIPE A312 G316L	7.53
HPSS050NBS160G316L+0100	G316L	160S	050NB SCH160 (2")	SEAMLESS PIPE A312 G316L	11.28
HPSS065NBS160G316L+0100	G316L	160S	065NB SCH160 (2-1/2")	SEAMLESS PIPE A312 G316L	15.13
HPSS080NBS160G316L+0100	G316L	160S	080NB SCH160 (3")	SEAMLESS PIPE A312 G316L	21.64
HPSS100NBS160G316L+0100	G316L	160S	100NB SCH160 (4")	SEAMLESS PIPE A312 G316L	34.01
HPSS150NBS160G316L+0100	G316L	160S	150NB SCH160 (6")	SEAMLESS PIPE A312 G316L	68.69
HPSS200NBS160G316L+0100	G316L	160S	200NB SCH160 (8")	SEAMLESS PIPE A312 G316L	113.05

Seamless Pipe

Types: HF and CF stainless steel pipe
Grades: G304L, G316L, G2205, G253MA
Schedule: 10S, 40S, 80S, 160S
Unit of Supply: Cut to Length

Certification: Acc. to ASTM A312M-08A, A790M-10, ASTM B677, ASTM B668 and A999M-04
Dimensions acc. to Standard ASME B36.19M-2004

HPSS

Product Code	Grade	Schedule	Product Size (mm)	Description	kg/m
G304L 40S					
HPSS100NBS40G304L+0100	G304L	40S	100NB SCH40 (4")	SEAMLESS PIPE A312 G304L	16.42
HPSS150NBS40G304L+0100	G304L	40S	150NB SCH40 (6")	SEAMLESS PIPE A312 G304L	28.58
G2205 10S					
HPSS020NBS10G2205+0100	G2205	10S	020NB SCH10 (3/4")	SEAMLESS PIPE A790 G2205	1.27
HPSS025NBS10G2205+0100	G2205	10S	025NB SCH10 (1")	SEAMLESS PIPE A790 G2205	2.14
HPSS032NBS10G2205+0100	G2205	10S	032NB SCH10 (1-1/4")	SEAMLESS PIPE A790 G2205	2.76
HPSS040NBS10G2205+0100	G2205	10S	040NB SCH10 (1-1/2")	SEAMLESS PIPE A790 G2205	3.32
HPSS050NBS10G2205+0100	G2205	10S	050NB SCH10 (2")	SEAMLESS PIPE A790 G2205	4.05
HPSS065NBS10G2205+0100	G2205	10S	065NB SCH10 (2-1/2")	SEAMLESS PIPE A790 G2205	5.37
HPSS080NBS10G2205+0100	G2205	10S	080NB SCH10 (3")	SEAMLESS PIPE A790 G2205	6.76
HPSS100NBS10G2205+0100	G2205	10S	100NB SCH10 (4")	SEAMLESS PIPE A790 G2205	16.39
G2205 40S					
HPSS015NBS40G2205+0100	G2205	40S	015NB SCH40 (1/2")	SEAMLESS PIPE A790 G2205	1.26
HPSS020NBS40G2205+0100	G2205	40S	020NB SCH40 (3/4")	SEAMLESS PIPE A790 G2205	1.68
HPSS025NBS40G2205+0100	G2205	40S	025NB SCH40 (1")	SEAMLESS PIPE A790 G2205	2.00
HPSS040NBS40G2205+0100	G2205	40S	040NB SCH40 (1-1/2")	SEAMLESS PIPE A790 G2205	4.10
HPSS050NBS40G2205+0100	G2205	40S	050NB SCH40 (2")	SEAMLESS PIPE A790 G2205	5.55
HPSS065NBS40G2205+0100	G2205	40S	065NB SCH40 (2-1/2")	SEAMLESS PIPE A790 G2205	8.80
HPSS080NBS40G2205+0100	G2205	40S	080NB SCH40 (3")	SEAMLESS PIPE A790 G2205	11.52
HPSS100NBS40G2205+0100	G2205	40S	100NB SCH40 (4")	SEAMLESS PIPE A790 G2205	16.39
G2205 80S					
HPSS015NBS80G2205+0100	G2205	80S	015NB SCH80 (1/2")	SEAMLESS PIPE A790 G2205	1.61
HPSS020NBS80G2205+0100	G2205	80S	020NB SCH80 (3/4")	SEAMLESS PIPE A790 G2205	2.19
HPSS025NBS80G2205+0100	G2205	80S	025NB SCH80 (1")	SEAMLESS PIPE A790 G2205	2.00
HPSS040NBS80G2205+0100	G2205	80S	040NB SCH80 (1-1/2")	SEAMLESS PIPE A790 G2205	5.54
HPSS050NBS80G2205+0100	G2205	80S	050NB SCH80 (2")	SEAMLESS PIPE A790 G2205	7.62
HPSS080NBS80G2205+0100	G2205	80S	080NB SCH80 (3")	SEAMLESS PIPE A790 G2205	15.56
HPSS100NBS80G2205+0100	G2205	80S	100NB SCH80 (4")	SEAMLESS PIPE A790 G2205	22.73
G253MA 40S					
HPSS015NBS40G253MA+0100	G253MA	40S	015NB SCH40 (1/2")	SEAMLESS PIPE A312 G253MA	1.20
HPSS020NBS40G253MA+0100	G253MA	40S	020NB SCH40 (3/4")	SEAMLESS PIPE A312 G253MA	1.71
HPSS025NBS40G253MA+0100	G253MA	40S	025NB SCH40 (1")	SEAMLESS PIPE A312 G253MA	2.52
HPSS032NBS40G253MA+0100	G253MA	40S	032NB SCH40 (1-1/4")	SEAMLESS PIPE A312 G253MA	3.43
HPSS040NBS40G253MA+0100	G253MA	40S	040NB SCH40 (1-1/2")	SEAMLESS PIPE A312 G253MA	4.09
HPSS050NBS40G253MA+0100	G253MA	40S	050NB SCH40 (2")	SEAMLESS PIPE A312 G253MA	5.54
HPSS065NBS40G253MA+0100	G253MA	40S	065NB SCH40 (2-1/2")	SEAMLESS PIPE A312 G253MA	8.78
HPSS080NBS40G253MA+0100	G253MA	40S	080NB SCH40 (3")	SEAMLESS PIPE A312 G253MA	11.47
HPSS100NBS40G253MA+0100	G253MA	40S	100NB SCH40 (4")	SEAMLESS PIPE A312 G253MA	16.33
HPSS150NBS40G253MA+0100	G253MA	40S	150NB SCH40 (6")	SEAMLESS PIPE A312 G253MA	28.77

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

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Pipe Fittings & Flanges

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Butt Weld Fittings

Standards

Standard Grades according to ASTM A / ASME SA 403, 304/L and 316/L (dual marked and certified), to ASME B16.9, annealed and quenched, bevelled ends to ASME B16.25, hardness to NACE MR0175 / ISO 15156, IC to ASTM A262E and PMI tested. With certificate to EN 10204/3.1.

Special Grades according to ASTM A815 in grades SAF2205 / UNS S31803, SAF2507 / UNS S32750, ANSI B16.9, annealed and quenched, bevelled ends to ANSI B16.25, hardness to NACE MR0175 / ISO 15156, IC to ASTM A262E (G48A for SAF 2507) and PMI tested. With certificate to EN 10204/3.1.

Stainless steel fittings according to ASTM A403 .

Class WP (Wrought pipe) fittings are manufactured to the dimensional requirements of ANSI B16.9 or ANSI B16.28. Class CR (Corrosion resistant) fittings are manufactured to the dimensional requirements end pressure ratings of MSS SP-43.

Summary of classes

Grade	Class	Construction	Nondestructive examination
CR	–	Welded	None
WP	S	Seamless	None
WP	W	Welded	Radiography/X-ray or ultrasonic
WP	WX	Welded	Radiography/X-ray
WP	WU	Welded	Ultrasonic

Long Radius Elbows 45°		**FPWE**
Long Radius Elbows 90°		**FPWE**
Short Radius Elbows 90°		**FPWE**
Equal Tees		**FPWTE**
Reducing Tees		**FPWTR**
Concentric Reducers		**FPWRC**
Eccentric Reducers		**FPWRE**
Stub Ends - Type A (Short Length)		**FPWSE**
End Caps		**FPSEC**

Butt Weld Fittings

Dimensions

ASME B16.9, B16.28

Long and Short Radius Elbows

Nominal Pipe Size (NPS)		Outside Diameter at Bevel OD	Centre-to-End			
			90 Elbows A		45 Elbows B	
in	mm		Long Radius	Short Radius	Long Radius	Short Radius
1/2	15	21.3	38	–	16	–
3/4	20	26.7	29	–	11	–
1	25	33.4	38	25	22	10
1-1/4	32	42.2	48	32	25	13
1-1/2	40	48.3	57	38	29	16
2	50	60.3	76	51	35	21
21/2	65	73	95	64	44	26
3	80	88.9	114	76	51	32
31/2	90	101.6	133	89	57	37
4	100	114.3	152	102	64	42
5	125	141.3	190	127	79	53
6	150	168.3	229	152	95	63
8	200	219.1	305	203	127	84
10	250	273	381	254	159	105
12	300	323.8	457	305	190	126
14	350	355.6	533	356	222	147
16	400	406.4	610	406	254	168
18	450	457	686	457	286	189
20	500	508	762	508	318	210
22	550	559	838	559	343	232
24	600	610	914	610	381	253
26	650	660	991	660	405	274
28	700	711	1067	711	438	295
30	750	762	1143	762	470	316
32	800	813	1219	813	502	378
34	850	864	1295	864	533	358
36	900	914	1372	914	565	379
38	950	965	1448	965	600	400
40	1000	1016	1524	1016	632	421
42	1050	1067	1600	1067	660	442
44	1100	1118	1676	1118	695	463
46	1150	1168	1753	1168	727	484
48	1200	1219	1829	1219	759	505

Straight Tees

Nominal Pipe Size (NPS)		Outside Diameter at Bevel OD	Cen tre-to-End	
			Straight Tees	
in	mm		C	M(1)
1/2	15	21.3	25	25
3/4	20	26.7	29	29
1	25	33.4	38	38
1-1/4	32	42.2	48	48
1-1/2	40	48.3	57	57
2	50	60.3	64	64
21/2	65	73	76	76
3	80	88.9	86	86
31/2	90	101.6	95	95
4	100	114.3	105	105
5	125	141.3	124	124
6	150	168.3	143	143
8	200	219.1	178	178
10	250	273	216	216
12	300	323.8	254	254
14	350	355.6	279	279
16	400	406.4	305	305
18	450	457	343	343
20	500	508	381	381
22	550	559	419	419
24	600	610	432	432
26	650	660	495	495
28	700	711	521	521
30	750	762	559	559
32	800	813	597	597
34	850	864	635	635
36	900	914	673	673
38	950	965	711	711
40	1000	1016	749	749
42	1050	1067	762	711
44	1100	1118	813	762
46	1150	1168	851	800
48	1200	1219	889	838

(1) Outlet dimension M for NPS 26 and larger is recommended but not required.

Butt Weld Fittings

Dimensions

ASME B16.9, B16.28

Reducing Tees and Concentric & Eccentric Reducers

Nominal Pipe Size (NPS)		Outside Diameter at Bevel OD		Centre-to-End		End-to-End
in	mm	OD1	OD2	C	M(1)	H
3/4 x 1/2	15 x 10	26.7	21.3	29	29	38
1 x 3/4	25 x 20	33.4	26.7	38	38	51
1 x 1/2	25 x 15	33.4	21.3	38	38	51
1-1/4 x 1	32 x 25	42.2	33.4	48	48	51
1-1/4 x 3/4	32 x 20	42.2	26.7	48	48	51
1-1/4 x 1/2	32 x 15	42.2	21.3	48	48	51
1-1/2 x 1-1/4	40 x 32	48.3	42.2	57	57	64
1-1/2 x 1	40 x 25	48.3	33.4	57	57	64
1-1/2 x 3/4	40 x 20	48.3	26.7	57	57	64
1-1/2 x 1/2	40 x 15	48.3	21.3	57	57	64
2 x 1-1/2	50 x 40	60.3	48.3	64	60	76
2 x 1-1/4	50 x 32	60.3	42.2	64	57	76
2 x 1	50 x 25	60.3	33.4	64	51	76
2 x 3/4	50 x 20	60.3	26.7	64	44	76
2-1/2 x 2	65 x 50	73.0	60.3	76	70	89
2-1/2 x 1-1/2	65 x 40	73.0	48.3	76	67	89
2-1/2 x 1-1/4	65 x 32	73.0	42.2	76	64	89
2-1/2 x 1	65 x 25	73.0	33.4	76	57	89
3 x 2-1/2	80 x 65	88.9	73.0	86	83	89
3 x 2	80 x 50	88.9	60.3	86	76	89
3 x 1-1/2	80 x 40	88.9	48.3	86	73	89
3 x 1-1/4	80 x 32	88.9	42.2	86	70	89
31/2 3	90 x 80	101.6	88.9	95	92	102
3-1/2 x 2-1/2	90 x 65	101.6	73.0	95	89	102
3-1/2 x 2	90 x 50	101.6	60.3	95	83	102
3-1/2 x 1-1/2	90 x 40	101.6	48.3	95	79	102
4 x 3-1/2	100 x 90	114.3	101.6	105	102	102
4 x 3	100 x 80	114.3	88.9	105	98	102
4 x 2-1/2	100 x 65	114.3	73.0	105	95	102
4 x 2	100 x 50	114.3	60.3	105	89	102
4 x 1-1/2	100 x 40	114.3	48.3	105	86	102
5 x 4	125 x 100	141.3	114.3	125	117	127
5 x 3-1/2	125 x 90	141.3	101.6	124	114	127
5 x 3	125 x 80	141.3	88.9	124	111	127
5 x 2-1/2	125 x 65	141.3	73.0	124	108	127
5 x 2	125 x 50	141.3	60.3	124	105	127

Nominal Pipe Size (NPS)		Outside Diameter at Bevel OD		Centre-to-End		End-to-End
in	mm	OD1	OD2	C	M(1)	H
6 x 5	150 x 125	168.3	141.3	143	137	140
6 x 4	150 x 100	168.3	114.3	143	130	140
6 x 3-1/2	150 x 90	168.3	101.6	143	127	140
6 x 3	150 x 80	168.3	88.9	143	124	140
6 x 2-1/2	150 x 65	168.3	73.0	143	121	140
8 x 6	200 x 150	219.1	168.3	178	168	152
8 x 5	200 x 125	219.1	141.3	178	162	152
8 x 4	200 x 100	219.1	114.3	178	156	152
8 x 3-1/2	200 x 90	219.1	101.6	178	152	152
10 x 8	250 x 200	273.0	219.1	216	203	178
10 x 6	250 x 150	273.0	168.3	216	194	178
10 x 5	250 x 125	273.0	141.3	216	191	178
10 x 4	250 x 100	273.0	114.3	216	184	178
12 x 10	300 x 250	323.8	273.0	254	241	203
12 x 8	300 x 200	323.8	219.1	254	229	203
12 x 6	300 x 150	323.8	168.3	254	219	203
12 x 5	300 x 125	323.8	141.3	254	216	203
14 x 12	350 x 300	355.6	323.8	279	270	330
14 x 10	350 x 250	355.6	273.0	279	257	330
14 x 8	350 x 200	355.6	219.1	279	248	330
14 x 6	350 x 150	355.6	168.3	279	238	330
16 x 14	400 x 350	406.4	355.6	305	305	356
16 x 12	400 x 300	406.4	323.8	305	295	356
16 x 10	400 x 250	406.4	273.0	305	283	356
16 x 8	400 x 200	406.4	219.1	305	273	356
16 x 6	400 x 150	406.4	168.3	305	264	356
18 x 16	450 x 400	457	406.4	343	330	381
18 x 14	450 x 350	457	355.6	343	330	381
18 x 12	450 x 300	457	323.8	343	321	381
18 x 10	450 x 250	457	273.0	343	308	381
18 x 8	450 x 200	457	219.1	343	298	381
20 x 18	500 x 450	508	457	381	368	508
20 x 16	500 x 400	508	406.4	381	356	508
20 x 14	500 x 350	508	355.6	381	356	508
20 x 12	500 x 300	508	323.8	381	346	508
20 x 10	500 x 250	508	273	381	333	508

Butt Weld Fittings

Dimensions

ASME B16.9, B16.28

Reducing Tees and Concentric & Eccentric Reducers

Nominal Pipe Size (NPS)		Outside Diameter at Bevel OD		Centre-to-End		End-to-End
in	mm	OD1	OD2	C	M(1)	H
20 x 8	500 x 200	508	219.1	381	324	508
22 x 20	550 x 500	559	508	419	406	508
22 x 18	550 x 450	559	457	419	394	508
22 x 16	550 x 400	559	406.4	419	381	508
22 x 14	550 x 350	559	355.6	419	381	508
22 x 12	550 x 300	559	323.8	419	371	508
22 x 10	550 x 250	559	273.0	419	359	508
24 x 22	600 x 550	610	559	432	432	508
24 x 20	600 x 500	610	508	432	432	508
24 x 18	600 x 450	610	457	432	419	508
24 x 16	600 x 400	610	406.4	432	406	508
24 x 14	600 x 350	610	355.6	432	406	508
24 x 12	600 x 300	610	323.8	432	397	508
24 x 10	600 x 250	610	273.0	432	384	508
26 x 24	650 x 600	660	610	495	483	610
26 x 22	650 x 550	660	559	495	470	610
26 x 20	650 x 550	660	508	495	457	610
26 x 18	650 x 450	660	457	495	444	610
26 x 16	650 x 400	660	406.4	495	432	610
26 x 14	650 x 350	660	355.6	495	432	610
26 x 12	650 x 300	660	323.8	495	422	610
28 x 26	700 x 650	711	660	521	521	610
28 x 24	700 x 600	711	610	521	508	610
28 x 22	700 x 550	711	559	521	495	610
28 x 20	700 x 500	711	508	521	483	610
28 x 18	700 x 450	711	457	521	470	610
28 x 16	700 x 400	711	406.4	521	457	610
28 x 14	700 x 350	711	355.6	521	457	610
28 x 12	700 x 300	711	323.8	521	448	610
30 x 28	750 x 700	762	711	559	546	610
30 x 26	750 x 650	762	660	559	546	610
30 x 24	750 x 600	762	610	559	533	610
30 x 22	750 x 550	762	559	559	521	610
30 x 20	750 x 500	762	508	559	508	610
30 x 18	750 x 450	762	457	559	495	610
30 x 16	750 x 400	762	406.4	559	483	610

Nominal Pipe Size (NPS)		Outside Diameter at Bevel OD		Centre-to-End		End-to-End
in	mm	OD1	OD2	C	M(1)	H
30 x 14	750 x 350	762	355.6	559	483	610
30 x 12	750 x 300	762	323.8	559	473	610
30 x 10	750 x 250	762	273.0	559	460	610
32 x 30	800 x 750	813	762	597	584	610
32 x 28	800 x 700	813	711	597	572	610
32 x 26	800 x 650	813	660	597	572	610
32 x 24	800 x 600	813	610	597	559	610
32 x 22	800 x 550	813	559	597	546	610
32 x 20	800 x 500	813	508	597	533	610
32 x 18	800 x 450	813	457	597	521	610
32 x 16	800 x 400	813	406.4	597	508	610
32 x 14	800 x 350	813	355.6	597	508	610
34 x 32	850 x 800	864	813	635	622	610
34 x 30	850 x 750	864	762	635	610	610
34 x 28	850 x 700	864	711	635	597	610
34 x 26	850 x 650	864	600	635	597	610
34 x 24	850 x 600	864	610	635	584	610
34 x 22	850 x 550	864	559	635	572	610
34 x 20	850 x 500	864	508	635	559	610
34 x 18	850 x 450	864	457	635	546	610
34 x 16	850 x 400	864	406.4	635	533	610
36 x 34	900 x 850	914	864	673	660	610
36 x 32	900 x 800	914	813	673	648	610
36 x 30	900 x 750	914	762	673	635	610
36 x 28	900 x 700	914	711	673	622	610
36 x 26	900 x 650	914	660	673	622	610
36 x 24	900 x 600	914	610	673	610	610
36 x 22	900 x 550	914	559	673	597	610
36 x 20	900 x 500	914	508	673	584	610
36 x 18	900 x 450	914	457	673	572	610
36 x 16	900 x 400	914	406.4	673	559	610
38 x 36	950 x 900	965	914	711	711	610
38 x 34	950 x 850	965	864	711	698	610
38 x 32	950 x 800	965	813	711	686	610
38 x 30	950 x 750	965	762	711	673	610
38 x 28	950 x 700	965	711	711	648	610

(1) Outlet dimension M for run sizes NPS 14 (DN 350) and larger is recommended but not required.

Butt Weld Fittings

Dimensions

ASME B16.9, B16.28

Caps

Nominal Pipe Size (NPS)		Outside Diameter at Bevel	End-to-End Caps		
			Length(2)	Limiting Wall Thickness for Length "E"	Length(3)
in	mm	OD	E		E1
1/2	15	21.3	25	4.57	25
3/4	20	26.7	25	3.81	25
1	25	33.4	38	4.57	38
1-1/4	32	42.2	38	4.83	38
1-1/2	40	48.3	38	5.08	38
2	50	60.3	38	5.59	44
2 1/2	65	73	38	7.11	51
3	80	88.9	51	7.62	64
3 1/2	90	101.6	64	8.13	76
4	100	114.3	64	8.64	76
5	125	141.3	76	9.65	89
6	150	168.3	89	10.92	102
8	200	219.1	102	12.70	127
10	250	273	127	12.70	152
12	300	323.8	152	12.70	178
14	350	355.6	165	12.70	191
16	400	406.4	178	12.70	203
18	450	457	203	12.70	229
20	500	508	229	12.70	254
22	550	559	254	12.70	254
24	600	610	267	12.70	305
26	650	660	267		
28	700	711	267		
30	750	762	267		
32	800	813	267		
34	850	864	267		
36	900	914	267		
38	950	965	305		
40	1000	1016	305		
42	1050	1067	305		
44	1100	1118	343		
46	1150	1168	343		
48	1200	1219	343		

(2) Length E applies for thickness not exceeding that given in column "Limiting Wall Thickness for Length E".
(3) Length E1 applies for thickness greater than that given in column "Limiting Wall Thickness for Length E" for NPS 24 and smaller.

Butt Weld Fittings

Long Radius Elbows 45° - Welded

Grades: 316L
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to ASME SA403 / ASTM A815 to ASME B16.9

FPWE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWE020NBS1045LG316L	G316L	10S	020NB SCH10S (3/4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.03
FPWE025NBS1045LG316L	G316L	10S	025NB SCH10S (1")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.09
FPWE032NBS1045LG316L	G316L	10S	032NB SCH10S (1-1/4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.11
FPWE040NBS1045LG316L	G316L	10S	040NB SCH10S (1-1/2")	ELBOW 45DEG LONG RADIUS A403/A815 G316L	0.17
FPWE050NBS1045LG316L	G316L	10S	050NB SCH10S (2")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.25
FPWE065NBS1045LG316L	G316L	10S	065NB SCH10S (2-1/2")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.48
FPWE080NBS1045LG316L	G316L	10S	080NB SCH10S (3")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.63
FPWE100NBS1045LG316L	G316L	10S	100NB SCH10S (4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	1.08
FPWE125NBS1045LG316L	G316L	10S	125NB SCH10S (5")	ELBOW 45DEG LONG RADIUS G316L A403/A815	1.81
FPWE150NBS1045LG316L	G316L	10S	150NB SCH10S (6")	ELBOW 45DEG LONG RADIUS G316L A403/A815	2.72
FPWE200NBS1045LG316L	G316L	10S	200NB SCH10S (8")	ELBOW 45DEG LONG RADIUS G316L A403/A815	5.33
FPWE250NBS1045LG316L	G316L	10S	250NB SCH10S (10")	ELBOW 45DEG LONG RADIUS G316L A403/A815	9.75
FPWE300NBS1045LG316L	G316L	10S	300NB SCH10S (12")	ELBOW 45DEG LONG RADIUS G316L A403/A815	13.61
FPWE350NBS1045LG316L	G316L	10S	350NB SCH10S (14")	ELBOW 45DEG LONG RADIUS G316L A403/A815	18.14
FPWE400NBS1045LG316L	G316L	10S	400NB SCH10S (16")	ELBOW 45DEG LONG RADIUS G316L A403/A815	23.81
FPWE450NBS1045LG316L	G316L	10S	450NB SCH10S (18")	ELBOW 45DEG LONG RADIUS A403/A815 G316L	28.70
FPWE500NBS1045LG316L	G316L	10S	5000NB SCH10S (20")	ELBOW 45DEG LONG RADIUS A403/A815 G316L	41.10
FPWE600NBS1045LG316L	G316L	10S	600NB SCH10S (24")	ELBOW 45DEG LONG RADIUS A403/A815 G316L	68.00
FPWE020NBS4045LG316L	G316L	40S	020NB SCH40S (3/4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.04
FPWE025NBS4045LG316L	G316L	40S	025NB SCH40S (1")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.11
FPWE032NBS4045LG316L	G316L	40S	032NB SCH40S (1-1/4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.17
FPWE040NBS4045LG316L	G316L	40S	040NB SCH40S (1-1/2")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.23
FPWE050NBS4045LG316L	G316L	40S	050NB SCH40S (2")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.40
FPWE065NBS4045LG316L	G316L	40S	065NB SCH40S (2-1/2")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.77
FPWE080NBS4045LG316L	G316L	40S	080NB SCH40S (3")	ELBOW 45DEG LONG RADIUS G316L A403/A815	1.08
FPWE100NBS4045LG316L	G316L	40S	100NB SCH40S (4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	2.09
FPWE150NBS4045LG316L	G316L	40S	150NB SCH40S (6")	ELBOW 45DEG LONG RADIUS G316L A403/A815	5.44
FPWE200NBS4045LG316L	G316L	40S	200NB SCH40S (8")	ELBOW 45DEG LONG RADIUS G316L A403/A815	10.77
FPWE250NBS4045LG316L	G316L	40S	250NB SCH40S (10")	ELBOW 45DEG LONG RADIUS G316L A403/A815	17.70
FPWE300NBS4090LG316L	G316L	40S	300NB SCH40S (12")	ELBOW 45DEG LONG RADIUS G316L A403/A815	28.10
FPWE350NBS4045LG316L	G316L	40S	350NB SCH40S (14")	ELBOW 45DEG LONG RADIUS G316L A403/A815	35.90
FPWE400NBS4045LG316L	G316L	40S	400NB SCH40S (16")	ELBOW 45DEG LONG RADIUS G316L A403/A815	47.20
FPWE450NBS4045LG316L	G316L	40S	450NB SCH40S (18")	ELBOW 45DEG LONG RADIUS G316L A403/A815	59.90
FPWE500NBS4045LG316L	G316L	40S	500NB SCH40S (20")	ELBOW 45DEG LONG RADIUS G316L A403/A815	73.60
FPWE600NBS4045LG316L	G316L	40S	600NB SCH40S (24")	ELBOW 45DEG LONG RADIUS G316L A403/A815	106.00

Butt Weld Fittings

Long Radius Elbows 90° - Welded

Grades: 304L, 316L, 2205
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to
ASME SA403 / ASTM A815 to ASME B16.9

FPWE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
G304L					
FPWE015NBS1090LG304L	G304L	10S	015NB SCH10S (1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.06
FPWE020NBS1090LG304L	G304L	10S	020NB SCH10S (3/4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.07
FPWE025NBS1090LG304L	G304L	10S	025NB SCH10S (1")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.14
FPWE032NBS1090LG304L	G304L	10S	032NB SCH10S (1-1/4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.23
FPWE040NBS1090LG304L	G304L	10S	040NB SCH10S (1-1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.31
FPWE050NBS1090LG304L	G304L	10S	050NB SCH10S (2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.54
FPWE065NBS1090LG304L	G304L	10S	065NB SCH10S (2-1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.85
FPWE080NBS1090LG304L	G304L	10S	080NB SCH10S (3")	ELBOW 90DEG LONG RADIUS G304L A403/A815	1.22
FPWE100NBS1090LG304L	G304L	10S	100NB SCH10S (4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	2.15
FPWE150NBS1090LG304L	G304L	10S	150NB SCH10S (6")	ELBOW 90DEG LONG RADIUS G304L A403/A815	4.90
FPWE200NBS1090LG304L	G304L	10S	200NB SCH10S (8")	ELBOW 90DEG LONG RADIUS G304L A403/A815	10.66
FPWE250NBS1090LG304L	G304L	10S	250NB SCH10S (10")	ELBOW 90DEG LONG RADIUS G304L A403/A815	19.50
FPWE300NBS1090LG304L	G304L	10S	300NB SCH10S (12")	ELBOW 90DEG LONG RADIUS G304L A403/A815	27.22
FPWE400NBS1090LG304L	G304L	10S	400NB SCH10S (16")	ELBOW 90DEG LONG RADIUS G304L A403/A815	47.63
FPWE015NBS4090LG304L	G304L	40S	015NB SCH40S (1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.08
FPWE020NBS4090LG304L	G304L	40S	020NB SCH40S (3/4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.09
FPWE025NBS4090LG304L	G304L	40S	025NB SCH40S (1")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.15
FPWE032NBS4090LG304L	G304L	40S	032NB SCH40S (1-1/4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.25
FPWE040NBS4090LG304L	G304L	40S	040NB SCH40S (1-1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.40
FPWE050NBS4090LG304L	G304L	40S	050NB SCH40S (2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.71
FPWE065NBS4090LG304L	G304L	40S	065NB SCH40S (2-1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	1.36
FPWE080NBS4090LG304L	G304L	40S	080NB SCH40S (3")	ELBOW 90DEG LONG RADIUS G304L A403/A815	2.18
FPWE100NBS4090LG304L	G304L	40S	100NB SCH40S (4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	4.17
FPWE150NBS4090LG304L	G304L	40S	150NB SCH40S (6")	ELBOW 90DEG LONG RADIUS G304L A403/A815	10.89
FPWE200NBS4090LG304L	G304L	40S	200NB SCH40S (8")	ELBOW 90DEG LONG RADIUS G304L A403/A815	21.55
G316L					
FPWE015NBS1090LG316L	G316L	10S	015NB SCH10S (1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.06
FPWE020NBS1090LG316L	G316L	10S	020NB SCH10S (3/4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.07
FPWE025NBS1090LG316L	G316L	10S	025NB SCH10S (1")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.14
FPWE032NBS1090LG316L	G316L	10S	032NB SCH10S (1-1/4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.23
FPWE040NBS1090LG316L	G316L	10S	040NB SCH10S (1-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.31
FPWE050NBS1090LG316L	G316L	10S	050NB SCH10S (2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.51
FPWE065NBS1090LG316L	G316L	10S	065NB SCH10S (2-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.85
FPWE080NBS1090LG316L	G316L	10S	080NB SCH10S (3")	ELBOW 90DEG LONG RADIUS G316L A403/A815	1.22
FPWE090NBS1090LG316L	G316L	10S	090NB SCH10S (3-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	1.70
FPWE100NBS1090LG316L	G316L	10S	100NB SCH10S (4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	2.15
FPWE125NBS1090LG316L	G316L	10S	125NB SCH10S (5")	ELBOW 90DEG LONG RADIUS G316L A403/A815	3.63
FPWE150NBS1090LG316L	G316L	10S	150NB SCH10S (6")	ELBOW 90DEG LONG RADIUS G316L A403/A815	4.90
FPWE200NBS1090LG316L	G316L	10S	200NB SCH10S (8")	ELBOW 90DEG LONG RADIUS G316L A403/A815	10.66
FPWE250NBS1090LG316L	G316L	10S	250NB SCH10S (10")	ELBOW 90DEG LONG RADIUS G316L A403/A815	19.50
FPWE300NBS1090LG316L	G316L	10S	300NB SCH10S (12")	ELBOW 90DEG LONG RADIUS G316L A403/A815	27.22

Butt Weld Fittings

Long Radius Elbows 90° - Welded

Grades: 304L, 316L, 2205
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to
ASME SA403 / ASTM A815 to ASME B16.9

FPWE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWE350NBS1090LG316L	G316L	10S	350NB SCH10S (14")	ELBOW 90DEG LONG RADIUS G316L A403/A815	36.30
FPWE400NBS1090LG316L	G316L	10S	400NB SCH10S (16")	ELBOW 90DEG LONG RADIUS G316L A403/A815	47.63
FPWE450NBS1090LG316L	G316L	10S	450NB SCH10S (18")	ELBOW 90DEG LONG RADIUS G316L A403/A815	59.87
FPWE500NBS1090LG316L	G316L	10S	500NB SCH10S (20")	ELBOW 90DEG LONG RADIUS G316L A403/A815	99.79
FPWE600NBS1090LG316L	G316L	10S	600NB SCH10S (24")	ELBOW 90DEG LONG RADIUS G316L A403/A815	140.61
FPWE750NBS1090LG316L	G316L	10S	750NB SCH10S (30")	ELBOW 90DEG LONG RADIUS G316L A403/A815	270.00
FPWE015NBS4090LG316L	G316L	40S	015NB SCH40S (1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.08
FPWE020NBS4090LG316L	G316L	40S	020NB SCH40S (3/4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.09
FPWE025NBS4090LG316L	G316L	40S	025NB SCH40S (1")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.16
FPWE032NBS4090LG316L	G316L	40S	032NB SCH40S (1-1/4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.25
FPWE040NBS4090LG316L	G316L	40S	040NB SCH40S (1-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.40
FPWE050NBS4090LG316L	G316L	40S	050NB SCH40S (2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.71
FPWE065NBS4090LG316L	G316L	40S	065NB SCH40S (2-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	1.36
FPWE080NBS4090LG316L	G316L	40S	080NB SCH40S (3")	ELBOW 90DEG LONG RADIUS G316L A403/A815	2.18
FPWE090NBS4090LG316L	G316L	40S	090NB SCH40S (3-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	1.83
FPWE100NBS4090LG316L	G316L	40S	100NB SCH40S (4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	4.17
FPWE125NBS4090LG316L	G316L	40S	125NB SCH40S (5")	ELBOW 90DEG LONG RADIUS G316L A403/A815	6.86
FPWE150NBS4090LG316L	G316L	40S	150NB SCH40S (6")	ELBOW 90DEG LONG RADIUS G316L A403/A815	10.89
FPWE200NBS4090LG316L	G316L	40S	200NB SCH40S (8")	ELBOW 90DEG LONG RADIUS G316L A403/A815	21.55
FPWE250NBS4090LG316L	G316L	40S	250NB SCH40S (10")	ELBOW 90DEG LONG RADIUS G316L A403/A815	38.56
FPWE300NBS4090LG316L	G316L	40S	300NB SCH40S (12")	ELBOW 90DEG LONG RADIUS G316L A403/A815	59.42
FPWE350NBS4090LG316L	G316L	40S	350NB SCH40S (14")	ELBOW 90DEG LONG RADIUS G316L A403/A815	69.60
FPWE400NBS4090LG316L	G316L	40S	400NB SCH40S (16")	ELBOW 90DEG LONG RADIUS G316L A403/A815	91.60
FPWE450NBS4090LG316L	G316L	40S	450NB SCH40S (18")	ELBOW 90DEG LONG RADIUS G316L A403/A815	116.00
FPWE500NBS4090LG316L	G316L	40S	500NB SCH40S (20")	ELBOW 90DEG LONG RADIUS G316L A403/A815	143.00
FPWE600NBS4090LG316L	G316L	40S	600NB SCH40S (24")	ELBOW 90DEG LONG RADIUS G316L A403/A815	206.00
FPWE750NBS4090LG316L	G316L	40S	750NB SCH40S (30")	ELBOW 90DEG LONG RADIUS G316L A403/A815	324.00

Butt Weld Fittings

Long Radius Elbows 90° - Welded

Grades: 304L, 316L, 2205
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to
ASME SA403 / ASTM A815 to ASME B16.9

FPWE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
G2205					
FPWE020NBS1090LG2205	G2205	10S	020NB SCH10SS (3/4")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.07
FPWE025NBS1090LG2205	G2205	10S	025NB SCH10S (1")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.14
FPWE032NBS1090LG2205	G2205	10S	032NB SCH10S (1-1/4")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.23
FPWE040NBS1090LG2205	G2205	10S	040NB SCH10S (1-1/2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.31
FPWE050NBS1090LG2205	G2205	10S	050NB SCH10S (2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.51
FPWE065NBS1090LG2205	G2205	10S	065NB SCH10S (2-1/2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.85
FPWE080NBS1090LG2205	G2205	10S	080NB SCH10S (3")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	1.22
FPWE100NBS1090LG2205	G2205	10S	100NB SCH10S (4")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	2.15
FPWE125NBS1090LG2205	G2205	10S	125NB SCH10S (5")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	3.63
FPWE150NBS1090LG2205	G2205	10S	150NB SCH10S (6")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	4.90
FPWE015NBS4090LG2205	G2205	40S	015NB SCH40S (1/2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.08
FPWE020NBS4090LG2205	G2205	40S	020NB SCH40S (3/4")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.09
FPWE025NBS4090LG2205	G2205	40S	025NB SCH40S (1")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.16
FPWE040NBS4090LG2205	G2205	40S	040NB SCH40S (1-1/2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.40
FPWE050NBS4090LG2205	G2205	40S	050NB SCH40S (2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.71
FPWE065NBS4090LG2205	G2205	40S	065NB SCH40S (2-1/2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	1.36
FPWE080NBS4090LG2205	G2205	40S	080NB SCH40S (3")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	2.18
FPWE100NBS4090LG2205	G2205	40S	100NB SCH40S (4")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	4.17
FPWE150NBS4090LG2205	G2205	40S	150NB SCH40S (6")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	10.89

Butt Weld Fittings

Long Radius Elbows 90° - Seamless

Grades: 316L
Schedule: 10S, 40S, 80S
Unit of Supply: Each

Certification: Acc. to
ASME SA403 / ASTM A815 to ASME B16.9

FPSSSE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPSSSE015NBS1090G316L	G316L	10S	15NB SCH10S (1/2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.06
FPSSSE020NBS1090G316L	G316L	10S	20NB SCH10S (3/4")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.07
FPSSSE025NBS1090G316L	G316L	10S	25NB SCH10S (1")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.14
FPSSSE032NBS1090G316L	G316L	10S	32NB SCH10S (1-1/4")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.23
FPSSSE040NBS1090G316L	G316L	10S	40NB SCH10S (1-1/2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.31
FPSSSE050NBS1090G316L	G316L	10S	50NB SCH10S (2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.54
FPSSSE065NBS1090G316L	G316L	10S	65NB SCH10S (2-1/2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.65
FPSSSE080NBS1090G316L	G316L	10S	80NB SCH10S (3")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	1.22
FPSSSE100NBS1090G316L	G316L	10S	100NB SCH10S (4")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	2.15
FPSSSE015NBS4090G316L	G316L	40S	15NB SCH40S (1/2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.08
FPSSSE020NBS4090G316L	G316L	40S	20NB SCH40S (3/4")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.09
FPSSSE025NBS4090G316L	G316L	40S	25NB SCH40S (1")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.15
FPSSSE032NBS4090G316L	G316L	40S	32NB SCH40S (1-1/4")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.25
FPSSSE040NBS4090G316L	G316L	40S	40NB SCH40S (1-1/2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.40
FPSSSE050NBS4090G316L	G316L	40S	50NB SCH40S (2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.71
FPSSSE065NBS4090G316L	G316L	40S	65NB SCH40S (2-1/2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	1.36
FPSSSE080NBS4090G316L	G316L	40S	80NB SCH40S (3")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	2.18
FPSSSE100NBS4090G316L	G316L	40S	100NB SCH40S (4")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	4.17
FPSSSE015NBS8090G316L	G316L	80S	015NB SCH80S (1/2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.10
FPSSSE020NBS8090G316L	G316L	80S	020NB SCH80S (3/4")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.15
FPSSSE025NBS8090G316L	G316L	80S	025NB SCH80S (1")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.22
FPSSSE040NBS8090G316L	G316L	80S	040NB SCH80S (1-1/2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.51
FPSSSE050NBS8090G316L	G316L	80S	050NB SCH80S (2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.91
FPSSSE080NBS8090G316L	G316L	80S	080NB SCH80S (3")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	2.98

Butt Weld Fittings

Short Radius Elbows 90° - Welded

Grades: 316L
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to ASME SA403 / ASTM A815 to ASME B16.9

FPWE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWE025NBS1090SG316L	G316L	10S	025NB SCH10S (1")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.10
FPWE040NBS1090SG316L	G316L	10S	040NB SCH10S (1-1/2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.22
FPWE050NBS1090SG316L	G316L	10S	050NB SCH10S (2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.37
FPWE065NBS1090SG316L	G316L	10S	065NB SCH10S (2-1/2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.62
FPWE080NBS1090SG316L	G316L	10S	080NB SCH10S (3")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.98
FPWE100NBS1090SG316L	G316L	10S	100NB SCH10S (4")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	1.72
FPWE150NBS1090SG316L	G316L	10S	150NB SCH10S (6")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	4.15
FPWE200NBS1090SG316L	G316L	10S	200NB SCH10S (8")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	8.00
FPWE250NBS1090SG316L	G316L	10S	250NB SCH10S (10")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	12.40
FPWE300NBS1090SG316L	G316L	10S	300NB SCH10S (12")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	16.70
FPWE350NBS1090SG316L	G316L	10S	350NB SCH10S (14")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	22.40
FPWE400NBS1090SG316L	G316L	10S	400NB SCH10S (16")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	29.30
FPWE450NBS1090SG316L	G316L	10S	450NB SCH10S (18")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	37.10
FPWE500NBS1090SG316L	G316L	10S	500NB SCH10S (20")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	53.10
FPWE600NBS1090SG316L	G316L	10S	600NB SCH10S (24")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	88.00
FPWE750NBS1090SG316L	G316L	10S	750NB SCH10S (30")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	180.00
FPWE025NBS4090SG316L	G316L	40S	025NB SCH40S (1")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.12
FPWE032NBS4090SG316L	G316L	40S	032NB SCH40S (1-1/4")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.20
FPWE040NBS4090SG316L	G316L	40S	040NB SCH40S (1-1/2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.29
FPWE050NBS4090SG316L	G316L	40S	050NB SCH40S (2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.51
FPWE065NBS4090SG316L	G316L	40S	065NB SCH40S (2-1/2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	1.02
FPWE080NBS4090SG316L	G316L	40S	080NB SCH40S (3")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	1.50
FPWE100NBS4090SG316L	G316L	40S	100NB SCH40S (4")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	4.00
FPWE150NBS4090SG316L	G316L	40S	150NB SCH40S (6")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	6.60

Butt Weld Fittings

Equal Tees - Welded

Grades: 316L
Schedule: 10S, 40S, 80S
Unit of Supply: Each

Certification: Acc. to ASME SA403 / ASTM A815 to ASME B16.9

FPWTE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWTE015NBS10G316L	G316L	10S	015NB SCH10S (1/2")	BUTT WELD EQUAL TEE G316L A403/A815	0.07
FPWTE020NBS10G316L	G316L	10S	020NB SCH10S (3/4")	BUTT WELD EQUAL TEE G316L A403/A815	0.09
FPWTE025NBS10G316L	G316L	10S	025NB SCH10S (1")	BUTT WELD EQUAL TEE G316L A403/A815	0.20
FPWTE032NBS10G316L	G316L	10S	032NB SCH10S (1-1/4")	BUTT WELD EQUAL TEE G316L A403/A815	0.33
FPWTE040NBS10G316L	G316L	10S	040NB SCH10S (1-1/2")	BUTT WELD EQUAL TEE G316L A403/A815	0.46
FPWTE050NBS10G316L	G316L	10S	050NB SCH10S (2")	BUTT WELD EQUAL TEE G316L A403/A815	0.63
FPWTE065NBS10G316L	G316L	10S	065NB SCH10S (2-1/2")	BUTT WELD EQUAL TEE G316L A403/A815	1.10
FPWTE080NBS10G316L	G316L	10S	080NB SCH10S (3")	BUTT WELD EQUAL TEE G316L A403/A815	1.37
FPWTE100NBS10G316L	G316L	10S	100NB SCH10S (4")	BUTT WELD EQUAL TEE G316L A403/A815	2.15
FPWTE125NBS10G316L	G316L	10S	125NB SCH10S (5")	BUTT WELD EQUAL TEE G316L A403/A815	3.48
FPWTE150NBS10G316L	G316L	10S	150NB SCH10S (6")	BUTT WELD EQUAL TEE G316L A403/A815	4.76
FPWTE200NBS10G316L	G316L	10S	200NB SCH10S (8")	BUTT WELD EQUAL TEE G316L A403/A815	8.46
FPWTE250NBS10G316L	G316L	10S	250NB SCH10S (10")	BUTT WELD EQUAL TEE G316L A403/A815	14.20
FPWTE300NBS10G316L	G316L	10S	300NB SCH10S (12")	BUTT WELD EQUAL TEE G316L A403/A815	21.60
FPWTE350NBS10G316L	G316L	10S	350NB SCH10S (14")	BUTT WELD EQUAL TEE G316L A403/A815	48.53
FPWTE400NBS10G316L	G316L	10S	400NB SCH10S (16")	BUTT WELD EQUAL TEE G316L A403/A815	58.97
FPWTE450NBS10G316L	G316L	10S	450NB SCH10S (18")	BUTT WELD EQUAL TEE G316L A403/A815	76.66
FPWTE500NBS10G316L	G316L	10S	500NB SCH10S (20")	BUTT WELD EQUAL TEE G316L A403/A815	103.42
FPWTE600NBS10G316L	G316L	10S	600NB SCH10S (24")	BUTT WELD EQUAL TEE G316L A403/A815	155.58
FPWTE750NBS10G316L	G316L	10S	750NB SCH10S (30")	BUTT WELD EQUAL TEE G316L A403/A815	437.99
FPWTE015NBS40G316L	G316L	40S	015NB SCH40S (1/2")	BUTT WELD EQUAL TEE G316L A403/A815	0.09
FPWTE020NBS40G316L	G316L	40S	020NB SCH40S (3/4")	BUTT WELD EQUAL TEE G316L A403/A815	0.12
FPWTE025NBS40G316L	G316L	40S	025NB SCH40S (1")	BUTT WELD EQUAL TEE G316L A403/A815	0.25
FPWTE032NBS40G316L	G316L	40S	032NB SCH40S (1-1/4")	BUTT WELD EQUAL TEE G316L A403/A815	0.42
FPWTE040NBS40G316L	G316L	40S	040NB SCH40S (1-1/2")	BUTT WELD EQUAL TEE G316L A403/A815	0.59
FPWTE050NBS40G316L	G316L	40S	050NB SCH40S (2")	BUTT WELD EQUAL TEE G316L A403/A815	0.87
FPWTE065NBS40G316L	G316L	40S	065NB SCH40S (2-1/2")	BUTT WELD EQUAL TEE G316L A403/A815	1.70
FPWTE080NBS40G316L	G316L	40S	080NB SCH40S (3")	BUTT WELD EQUAL TEE G316L A403/A815	1.90
FPWTE100NBS40G316L	G316L	40S	100NB SCH40S (4")	BUTT WELD EQUAL TEE G316L A403/A815	4.13
FPWTE150NBS40G316L	G316L	40S	150NB SCH40S (6")	BUTT WELD EQUAL TEE G316L A403/A815	9.73
FPWTE200NBS40G316L	G316L	40S	200NB SCH40S (8")	BUTT WELD EQUAL TEE G316L A403/A815	18.00
FPWTE250NBS40G316L	G316L	40S	250NB SCH40S (10")	BUTT WELD EQUAL TEE G316L A403/A815	30.80
FPWTE300NBS40G316L	G316L	40S	300NB SCH40S (12")	BUTT WELD EQUAL TEE G316L A403/A815	44.30
FPWTE350NBS40G316L	G316L	40S	350NB SCH40S (14")	BUTT WELD EQUAL TEE G316L A403/A815	74.90
FPWTE400NBS40G316L	G316L	40S	400NB SCH40S (16")	BUTT WELD EQUAL TEE G316L A403/A815	88.50
FPWTE450NBS40G316	G316L	40S	450NB SCH40S (18")	BUTT WELD EQUAL TEE G316L A403/A815	113.00
FPWTE500NBS40G316L	G316L	40S	500NB SCH40S (20")	BUTT WELD EQUAL TEE G316L A403/A815	155.00
FPWTE600NBS40G316L	G316L	40S	600NB SCH40S (24")	BUTT WELD EQUAL TEE G316L A403/A815	240.00
FPWTE750NBS40G316L	G316L	40S	750NB SCH40S (30")	BUTT WELD EQUAL TEE G316L A403/A815	338.50

Butt Weld Fittings

Equal Tees - Seamless

Grades: 316L
Schedule: 10S, 40S, 80S
Unit of Supply: Each

Certification: Acc. to ASME SA403 / ASTM A815 to ASME B16.9

FPSSTE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPSSTE015NBS10G316L	G316L	10S	15NB SCH10S (1/2")	EQUAL TEES 316L SEAMLESS A403/A815	0.07
FPSSTE020NBS10G316L	G316L	10S	20NB SCH10S (3/4")	EQUAL TEES 316L SEAMLESS A403/A815	0.09
FPSSTE025NBS10G316L	G316L	10S	25NB SCH10S (1")	EQUAL TEES 316L SEAMLESS A403/A815	0.20
FPSSTE032NBS10G316L	G316L	10S	32NB SCH10S (1-1/4")	EQUAL TEES 316L SEAMLESS A403/A815	0.33
FPSSTE040NBS10G316L	G316L	10S	40NB SCH10S (1-1/2")	EQUAL TEES 316L SEAMLESS A403/A815	0.46
FPSSTE050NBS10G316L	G316L	10S	50NB SCH10S (2")	EQUAL TEES 316L SEAMLESS A403/A815	0.63
FPSSTE065NBS10G316L	G316L	10S	65NB SCH10S (2-1/2")	EQUAL TEES 316L SEAMLESS A403/A815	1.10
FPSSTE080NBS10G316L	G316L	10S	80NB SCH10S (3")	EQUAL TEES 316L SEAMLESS A403/A815	1.37
FPSSTE100NBS10G316L	G316L	10S	100NB SCH10S (4")	EQUAL TEES 316L SEAMLESS A403/A815	2.15
FPSSTE015NBS40G316L	G316L	40S	15NB SCH40S (1/2")	EQUAL TEES 316L SEAMLESS A403/A815	0.09
FPSSTE020NBS40G316L	G316L	40S	20NB SCH40S (3/4")	EQUAL TEES 316L SEAMLESS A403/A815	0.12
FPSSTE025NBS40G316L	G316L	40S	25NB SCH40S (1")	EQUAL TEES 316L SEAMLESS A403/A815	0.25
FPSSTE032NBS40G316L	G316L	40S	32NB SCH40S (1-1/4")	EQUAL TEES 316L SEAMLESS A403/A815	0.42
FPSSTE040NBS40G316L	G316L	40S	40NB SCH40S (1-1/2")	EQUAL TEES 316L SEAMLESS A403/A815	0.59
FPSSTE050NBS40G316L	G316L	40S	50NB SCH40S (2")	EQUAL TEES 316L SEAMLESS A403/A815	0.87
FPSSTE065NBS40G316L	G316L	40S	65NB SCH40S (2-1/2")	EQUAL TEES 316L SEAMLESS A403/A815	1.70
FPSSTE080NBS40G316L	G316L	40S	80NB SCH40S (3")	EQUAL TEES 316L SEAMLESS A403/A815	1.90
FPSSTE100NBS40G316L	G316L	40S	100NB SCH40S (4")	EQUAL TEES 316L SEAMLESS A403/A815	4.13

Butt Weld Fittings

Reducing Tees - Welded

Grades: 316L
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to ASME SA403 / ASTM A815 to ASME B16.9

FPWTR

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWTR025015NBS10G316L	G316L	10S	025NB x 015NB SCH10S (1" x 1/2")	BUTT WELD REDUCING TEE G316L A403/A815	0.19
FPWTR025020NBS10G316L	G316L	10S	025NB x 020NB SCH10S (1" x 3/4")	BUTT WELD REDUCING TEE G316L A403/A815	0.23
FPWTR040015NBS10G316L	G316L	10S	040NB x 015NB SCH10S (1-1/2" x 1/2")	BUTT WELD REDUCING TEE G316L A403/A815	0.39
FPWTR040020NBS10G316L	G316L	10S	040NB x 020NB SCH10S (1-1/2" x 3/4")	BUTT WELD REDUCING TEE G316L A403/A815	0.39
FPWTR040025NBS10G316L	G316L	10S	040NB x 025NB SCH10S (1-1/2" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	0.39
FPWTR050025NBS10G316L	G316L	10S	050NB x 025NB SCH10S (2" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	0.59
FPWTR050040NBS10G316L	G316L	10S	050NB x 040NB SCH10S (2" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	0.59
FPWTR065040NBS10G316L	G316L	10S	065NB x 040NB SCH10S (2-1/2" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	0.90
FPWTR065050NBS10G316L	G316L	10S	065NB x 050NB SCH10S (2-1/2" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	0.94
FPWTR080025NBS10G316L	G316L	10S	080NB x 025NB SCH10S (3" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	1.23
FPWTR080040NBS10G316L	G316L	10S	080NB x 040NB SCH10S (3" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	1.15
FPWTR080050NBS10G316L	G316L	10S	080NB x 050NB SCH10S (3" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	2.16
FPWTR080065NBS10G316L	G316L	10S	080NB x 065NB SCH10S (3" x 2-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	1.19
FPWTR100040NBS10G316L	G316L	10S	100NB x 040NB SCH10S (4" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	2.45
FPWTR100050NBS10G316L	G316L	10S	100NB x 050NB SCH10S (4" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	2.50
FPWTR100065NBS10G316L	G316L	10S	100NB x 065NB SCH10S (4" x 2-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	2.50
FPWTR100080NBS10G316L	G316L	10S	100NB x 080NB SCH10S (4" x 3")	BUTT WELD REDUCING TEE G316L A403/A815	2.50
FPWTR150080NBS10G316L	G316L	10S	150NB x 080NB SCH10S (6" x 3")	BUTT WELD REDUCING TEE G316L A403/A815	4.90
FPWTR150100NBS10G316L	G316L	10S	150NB x 100NB SCH10S (6" x 4")	BUTT WELD REDUCING TEE G316L A403/A815	5.10
FPWTR200100NBS10G316L	G316L	10S	200NB x 100NB SCH10S (8" x 4")	BUTT WELD REDUCING TEE G316L A403/A815	8.00
FPWTR200150NBS10G316L	G316L	10S	200NB x 150NB SCH10S (8" x 6")	BUTT WELD REDUCING TEE G316L A403/A815	18.10
FPWTR250150NBS10G316L	G316L	10S	250NB x 150NB SCH10S (10" x 6")	BUTT WELD REDUCING TEE G316L A403/A815	14.00
FPWTR250200NBS10G316L	G316L	10S	250NB x 200NB SCH10S (10" x 8")	BUTT WELD REDUCING TEE G316L A403/A815	14.50
FPWTR300150NBS10G316L	G316L	10S	300NB x 150NB SCH10S (12" x 6")	BUTT WELD REDUCING TEE G316L A403/A815	29.00
FPWTR300200NBS10G316L	G316L	10S	300NB x 200NB SCH10S (12" x 8")	BUTT WELD REDUCING TEE G316L A403/A815	29.00
FPWTR300250NBS10G316L	G316L	10S	300NB x 250NB SCH10S (12" x 10")	BUTT WELD REDUCING TEE G316L A403/A815	29.00
FPWTR400200NBS10G316L	G316L	10S	400NB x 200NB SCH10S (16" x 8")	BUTT WELD REDUCING TEE G316L A403/A815	45.00
FPWTR400250NBS10G316L	G316L	10S	400NB x 250NB SCH10S (16" x 10")	BUTT WELD REDUCING TEE G316L A403/A815	46.00
FPWTR400300NBS10G316L	G316L	10S	400NB x 300NB SCH10S (16" x 12")	BUTT WELD REDUCING TEE G316L A403/A815	47.00
FPWTR400350NBS10G316L	G316L	10S	400NB x 350NB SCH10S (16" x 14")	BUTT WELD REDUCING TEE G316L A403/A815	48.00
FPWTR450300NBS10G316L	G316L	10S	450NB x 350NB SCH10S (18" x 14")	BUTT WELD REDUCING TEE G316L A403/A815	59.00
FPWTR450400NBS10G316L	G316L	10S	450NB x 400NB SCH10S (18" x 16")	BUTT WELD REDUCING TEE G316L A403/A815	60.00
FPWTR500250NBS10G316L	G316L	10S	500NB x 250NB SCH10S (20" x 10")	BUTT WELD REDUCING TEE G316L A403/A815	98.00
FPWTR500300NBS10G316L	G316L	10S	500NB x 300NB SCH10S (20" x 12")	BUTT WELD REDUCING TEE G316L A403/A815	98.00
FPWTR500350NBS10G316L	G316L	10S	500NB x 350NB SCH10S (20" x 14")	BUTT WELD REDUCING TEE G316L A403/A815	98.00
FPWTR500400NBS10G316L	G316L	10S	500NB x 400NB SCH10S (20" x 16")	BUTT WELD REDUCING TEE G316L A403/A815	98.00
FPWTR600400NBS10G316L	G316L	10S	600NB x 400NB SCH10S (24" x 16")	BUTT WELD REDUCING TEE G316L A403/A815	171.00
FPWTR600450NBS10G316L	G316L	10S	600NB x 450NB SCH10S (24" x 18")	BUTT WELD REDUCING TEE G316L A403/A815	172.00
FPWTR600500NBS10G316L	G316L	10S	600NB x 500NB SCH10S (24" x 20")	BUTT WELD REDUCING TEE G316L A403/A815	173.00
FPWTR750400NBS10G316L	G316L	10S	750NB x 400NB SCH10S (30" x 16")	BUTT WELD REDUCING TEE G316L A403/A815	415.00
FPWTR750500NBS10G316L	G316L	10S	750NB x 500NB SCH10S (30" x 20")	BUTT WELD REDUCING TEE G316L A403/A815	428.00
FPWTR750600NBS10G316L	G316L	10S	750NB x 600NB SCH10S (30" x 24")	BUTT WELD REDUCING TEE G316L A403/A815	429.00

Butt Weld Fittings

Reducing Tees - Welded

Grades: 316L
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to ASME SA403 / ASTM A815 to ASME B16.9

FPWTR

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWTR025020NBS40G316L	G316L	40S	025NB x 020NB SCH40S (1" x 3/4")	BUTT WELD REDUCING TEE G316L A403/A815	0.23
FPWTR040020NBS40G316L	G316L	40S	040NB x 020NB SCH40S (1-1/2" x 3/4")	BUTT WELD REDUCING TEE G316L A403/A815	0.52
FPWTR040025NBS40G316L	G316L	40S	040NB x 025NB SCH40S (1-1/2" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	0.52
FPWTR050025NBS40G316L	G316L	40S	050NB x 025NB SCH40S (2" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	0.74
FPWTR050040NBS40G316L	G316L	40S	050NB x 040NB SCH40S (2" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	0.74
FPWTR065040NBS40G316L	G316L	40S	065NB x 040NB SCH40S (2-1/2" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	1.49
FPWTR065050NBS40G316L	G316L	40S	065NB x 050NB SCH40S (2-1/2" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	1.49
FPWTR080025NBS40G316L	G316L	40S	080NB x 025NB SCH40S (3" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	2.16
FPWTR080040NBS40G316L	G316L	40S	080NB x 040NB SCH40S (3" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	2.16
FPWTR080050NBS40G316L	G316L	40S	080NB x 050NB SCH40S (3" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	2.29
FPWTR080065NBS40G316L	G316L	40S	080NB x 065NB SCH40S (3" x 2-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	2.16
FPWTR100050NBS40G316L	G316L	40S	100NB x 050NB SCH40S (4" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	4.50
FPWTR100065NBS40G316L	G316L	40S	100NB x 065NB SCH40S (4" x 2-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	4.50
FPWTR100080NBS40G316L	G316L	40S	100NB x 080NB SCH40S (4" x 3")	BUTT WELD REDUCING TEE G316L A403/A815	4.50
FPWTR150080NBS40G316L	G316L	40S	150NB x 080NB SCH40S (6" x 3")	BUTT WELD REDUCING TEE G316L A403/A815	9.80
FPWTR150100NBS40G316L	G316L	40S	150NB x 100NB SCH40S (6" x 4")	BUTT WELD REDUCING TEE G316L A403/A815	9.80

Butt Weld Fittings

Concentric Reducers - Welded

Grades: 316L
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to ASME SA403 / ASTM A815 to ASME B16.9

FPWRC

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWRC020015NBS10G316L	G316L	10S	020NB x 015NB SCH10S (3/4" x 1/2")	CONCENTRIC REDUCER G316L A403/A815	0.10
FPWRC025015NBS10G316L	G316L	10S	025NB x 015NB SCH10S (1" x 1/2")	CONCENTRIC REDUCER G316L A403/A815	0.13
FPWRC025020NBS10G316L	G316L	10S	025NB x 020NB SCH10S (1" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.13
FPWRC032020NBS10G316L	G316L	10S	032NB x 020NB SCH10S (1-1/4" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.18
FPWRC032025NBS10G316L	G316L	10S	032NB x 025NB SCH10S (1-1/4" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.18
FPWRC040015NBS10G316L	G316L	10S	040NB x 015NB SCH10S (1-1/2" x 1/2")	CONCENTRIC REDUCER G316L A403/A815	0.20
FPWRC040020NBS10G316L	G316L	10S	040NB x 020NB SCH10S (1-1/2" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.20
FPWRC040025NBS10G316L	G316L	10S	040NB x 025NB SCH10S (1-1/2" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.20
FPWRC040032NBS10G316L	G316L	10S	040NB x 032NB SCH10S (1-1/2" x 1-1/4")	CONCENTRIC REDUCER G316L A403/A815	0.20
FPWRC050020NBS10G316L	G316L	10S	050NB x 020NB SCH10S (2" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.25
FPWRC050025NBS10G316L	G316L	10S	050NB x 025NB SCH10S (2" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.25
FPWRC050032NBS10G316L	G316L	10S	050NB x 032NB SCH10S (2" x 1-1/4")	CONCENTRIC REDUCER G316L A403/A815	0.30
FPWRC050040NBS10G316L	G316L	10S	050NB x 040NB SCH10S (2" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.25
FPWRC065040NBS10G316L	G316L	10S	065NB x 040NB SCH10S (2-1/2" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.44
FPWRC065050NBS10G316L	G316L	10S	065NB x 050NB SCH10S (2-1/2" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.44
FPWRC080025NBS10G316L	G316L	10S	080NB x 025NB SCH10S (3" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.51
FPWRC080040NBS10G316L	G316L	10S	080NB x 040NB SCH10S (3" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.49
FPWRC080050NBS10G316L	G316L	10S	080NB x 050NB SCH10S (3" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.51
FPWRC080065NBS10G316L	G316L	10S	080NB x 065NB SCH10S (3" x 2-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.51
FPWRC100050NBS10G316L	G316L	10S	100NB x 050NB SCH10S (4" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.78
FPWRC100065NBS10G316L	G316L	10S	100NB x 065NB SCH10S (4" x 2-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.78
FPWRC100080NBS10G316L	G316L	10S	100NB x 080NB SCH10S (4" x 3")	CONCENTRIC REDUCER G316L A403/A815	0.78
FPWRC125080NBS10G316L	G316L	10S	125NB x 080NB SCH10S (5" x 3")	CONCENTRIC REDUCER G316L A403/A815	1.45
FPWRC125100NBS10G316L	G316L	10S	125NB x 100NB SCH10S (5" x 4")	CONCENTRIC REDUCER G316L A403/A815	1.49
FPWRC150080NBS10G316L	G316L	10S	150NB x 080NB SCH10S (6" x 3")	CONCENTRIC REDUCER G316L A403/A815	1.82
FPWRC150100NBS10G316L	G316L	10S	150NB x 100NB SCH10S (6" x 4")	CONCENTRIC REDUCER G316L A403/A815	1.95
FPWRC150125NBS10G316L	G316L	10S	150NB x 125NB SCH10S (6" x 5")	CONCENTRIC REDUCER G316L A403/A815	1.95
FPWRC200100NBS10G316L	G316L	10S	200NB x 100NB SCH10S (8" x 4")	CONCENTRIC REDUCER G316L A403/A815	3.02
FPWRC200125NBS10G316L	G316L	10S	200NB x 125NB SCH10S (8" x 5")	CONCENTRIC REDUCER G316L A403/A815	3.08
FPWRC200150NBS10G316L	G316L	10S	200NB x 150NB SCH10S (8" x 6")	CONCENTRIC REDUCER G316L A403/A815	3.19
FPWRC250100NBS10G316L	G316L	10S	250NB x 100NB SCH10S (10" x 4")	CONCENTRIC REDUCER G316L A403/A815	4.50
FPWRC250125NBS10G316L	G316L	10S	250NB x 125NB SCH10S (10" x 5")	CONCENTRIC REDUCER G316L A403/A815	4.50
FPWRC250150NBS10G316L	G316L	10S	250NB x 150NB SCH10S (10" x 6")	CONCENTRIC REDUCER G316L A403/A815	5.00
FPWRC250200NBS10G316L	G316L	10S	250NB x 200NB SCH10S (10" x 8")	CONCENTRIC REDUCER G316L A403/A815	5.00
FPWRC300125NBS10G316L	G316L	10S	300NB x 125NB SCH10S (12" x 5")	CONCENTRIC REDUCER G316L A403/A815	7.30
FPWRC300150NBS10G316L	G316L	10S	300NB x 150NB SCH10S (12" x 6")	CONCENTRIC REDUCER G316L A403/A815	6.58
FPWRC300200NBS10G316L	G316L	10S	300NB x 200NB SCH10S (12" x 8")	CONCENTRIC REDUCER G316L A403/A815	7.67
FPWRC300250NBS10G316L	G316L	10S	300NB x 250NB SCH10S (12" x 10")	CONCENTRIC REDUCER G316L A403/A815	7.98
FPWRC350150NBS10G316L	G316L	10S	350NB x 150NB SCH10S (14" x 6")	CONCENTRIC REDUCER G316L A403/A815	13.00
FPWRC350200NBS10G316L	G316L	10S	350NB x 200NB SCH10S (14" x 8")	CONCENTRIC REDUCER G316L A403/A815	13.88
FPWRC350250NBS10G316L	G316L	10S	350NB x 250NB SCH10S (14" x 10")	CONCENTRIC REDUCER G316L A403/A815	14.41
FPWRC350300NBS10G316L	G316L	10S	350NB x 300NB SCH10S (14" x 12")	CONCENTRIC REDUCER G316L A403/A815	16.00
FPWRC400200NBS10G316L	G316L	10S	400NB x 200NB SCH10S (16" x 8")	CONCENTRIC REDUCER G316L A403/A815	17.00
FPWRC400250NBS10G316L	G316L	10S	400NB x 250NB SCH10S (16" x 10")	CONCENTRIC REDUCER G316L A403/A815	17.72

Butt Weld Fittings

Concentric Reducers - Welded

Grades: 316L
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to ASME SA403 / ASTM A815 to ASME B16.9

FPWRC

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWRC400300NBS10G316L	G316L	10S	400NB x 300NB SCH10S (16" x 12")	CONCENTRIC REDUCER G316L A403/A815	18.90
FPWRC400350NBS10G316L	G316L	10S	400NB x 350NB SCH10S (16" x 14")	CONCENTRIC REDUCER G316L A403/A815	17.72
FPWRC500300NBS10G316L	G316L	10S	500NB x 300NB SCH10S (20" x 12")	CONCENTRIC REDUCER G316L A403/A815	33.10
FPWRC500400NBS10G316L	G316L	10S	500NB x 400NB SCH10S (20" x 16")	CONCENTRIC REDUCER G316L A403/A815	32.00
FPWRC500450NBS10G316L	G316L	10S	500NB x 450NB SCH10S (20" x 18")	CONCENTRIC REDUCER G316L A403/A815	33.10
FPWRC600300NBS10G316L	G316L	10S	600NB x 300NB SCH10S (24" x 12")	CONCENTRIC REDUCER G316L A403/A815	48.00
FPWRC600400NBS10G316L	G316L	10S	600NB x 400NB SCH10S (24" x 16")	CONCENTRIC REDUCER G316L A403/A815	48.00
FPWRC600450NBS10G316L	G316L	10S	600NB x 450NB SCH10S (24" x 18")	CONCENTRIC REDUCER G316L A403/A815	49.00
FPWRC600500NBS10G316L	G316L	10S	600NB x 500NB SCH10S (24" x 20")	CONCENTRIC REDUCER G316L A403/A815	50.00
FPWRC020015NBS40G316L	G316L	40S	020NB x 015NB SCH40S (3/4" x 1/2")	CONCENTRIC REDUCER G316L A403/A815	0.14
FPWRC025015NBS40G316L	G316L	40S	025NB x 015NB SCH40S (1" x 1/2")	CONCENTRIC REDUCER G316L A403/A815	0.15
FPWRC025020NBS40G316L	G316L	40S	025NB x 020NB SCH40S (1" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.15
FPWRC032020NBS40G316L	G316L	40S	032NB x 020NB SCH40S (1-1/4" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.44
FPWRC032025NBS40G316L	G316L	40S	032NB x 025NB SCH40S (1-1/4" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.44
FPWRC040020NBS40G316L	G316L	40S	040NB x 020NB SCH40S (1-1/2" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.26
FPWRC040025NBS40G316L	G316L	40S	040NB x 025NB SCH40S (1-1/2" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.26
FPWRC040032NBS40G316L	G316L	40S	040NB x 032NB SCH40S (1-1/2" x 1-1/4")	CONCENTRIC REDUCER G316L A403/A815	0.26
FPWRC050020NBS40G316L	G316L	40S	050NB x 020NB SCH40S (2" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.45
FPWRC050025NBS40G316L	G316L	40S	050NB x 025NB SCH40S (2" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.45
FPWRC050032NBS40G316L	G316L	40S	050NB x 032NB SCH40S (2" x 1-1/4")	CONCENTRIC REDUCER G316L A403/A815	0.22
FPWRC050040NBS40G316L	G316L	40S	050NB x 040NB SCH40S (2" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.45
FPWRC065040NBS40G316L	G316L	40S	065NB x 040NB SCH40S (2-1/2" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.77
FPWRC065050NBS40G316L	G316L	40S	065NB x 050NB SCH40S (2-1/2" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.77
FPWRC080025NBS40G316L	G316L	40S	080NB x 025NB SCH40S (3" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.89
FPWRC080040NBS40G316L	G316L	40S	080NB x 040NB SCH40S (3" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.89
FPWRC080050NBS40G304L	G316L	40S	080NB x 050NB SCH40S (3" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.89
FPWRC080050NBS40G316L	G316L	40S	080NB x 050NB SCH40S (3" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.89
FPWRC080065NBS40G316L	G316L	40S	080NB x 065NB SCH40S (3" x 2-1/2")	CONCENTRIC REDUCER G316L A403/A815	1.74
FPWRC100050NBS40G316L	G316L	40S	100NB x 050NB SCH40S (4" x 2")	CONCENTRIC REDUCER G316L A403/A815	1.74
FPWRC100065NBS40G316L	G316L	40S	100NB x 065NB SCH40S (4" x 2-1/2")	CONCENTRIC REDUCER G316L A403/A815	1.74
FPWRC100080NBS40G316L	G316L	40S	100NB x 080NB SCH40S (4" x 3")	CONCENTRIC REDUCER G316L A403/A815	2.85
FPWRC125080NBS40G316L	G316L	40S	125NB x 080NB SCH40S (5" x 3")	CONCENTRIC REDUCER G316L A403/A815	2.85
FPWRC125100NBS40G316L	G316L	40S	125NB x 100NB SCH40S (5" x 4")	CONCENTRIC REDUCER G316L A403/A815	4.08
FPWRC150080NBS40G316L	G316L	40S	150NB x 080NB SCH40S (6" x 3")	CONCENTRIC REDUCER G316L A403/A815	4.08
FPWRC150100NBS40G316L	G316L	40S	150NB x 100NB SCH40S (6" x 4")	CONCENTRIC REDUCER G316L A403/A815	4.08
FPWRC150125NBS40G316L	G316L	40S	150NB x 125NB SCH40S (6" x 5")	CONCENTRIC REDUCER G316L A403/A815	6.94
FPWRC200100NBS40G316L	G316L	40S	200NB x 100NB SCH40S (8" x 4")	CONCENTRIC REDUCER G316L A403/A815	6.55
FPWRC200150NBS40G316L	G316L	40S	200NB x 150NB SCH40S (8" x 6")	CONCENTRIC REDUCER G316L A403/A815	11.56
FPWRC250150NBS40G316L	G316L	40S	250NB x 150NB SCH40S (10" x 6")	CONCENTRIC REDUCER G316L A403/A815	11.56
FPWRC250200NBS40G316L	G316L	40S	250NB x 200NB SCH40S (10" x 8")	CONCENTRIC REDUCER G316L A403/A815	16.63
FPWRC300200NBS40G316L	G316L	40S	300NB x 200NB SCH40S (12" x 8")	CONCENTRIC REDUCER G316L A403/A815	15.98
FPWRC300250NBS40G316L	G316L	40S	300NB x 250NB SCH40S (12" x 10")	CONCENTRIC REDUCER G316L A403/A815	15.98

Butt Weld Fittings

Eccentric Reducers - Welded

Grades: 316L
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to ASME SA403 / ASTM A815 to ASME B16.9

FPWRE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWRE025020NBS10G316L	G316L	10S	025NB x 020NB SCH10S (1" x 3/4")	ECCENTRIC REDUCER G316L A403/A815	0.13
FPWRE040020NBS10G316L	G316L	10S	040NB x 020NB SCH10S (1-1/2" x 3/4")	ECCENTRIC REDUCER G316L A403/A815	0.20
FPWRE040025NBS10G316L	G316L	10S	040NB x 025NB SCH10S (1-1/2" x 1")	ECCENTRIC REDUCER G316L A403/A815	0.20
FPWRE040032NBS10G316L	G316L	10S	040NB x 032NB SCH10S (1-1/2" x 1-1/4")	ECCENTRIC REDUCER G316L A403/A815	0.20
FPWRE050025NBS10G316L	G316L	10S	050NB x 025NB SCH10S (2" x 1")	ECCENTRIC REDUCER G316L A403/A815	0.30
FPWRE050032NBS10G316L	G316L	10S	050NB x 032NB SCH10S (2" x 1-1/4")	ECCENTRIC REDUCER G316L A403/A815	0.30
FPWRE050040NBS10G316L	G316L	10S	050NB x 040NB SCH10S (2" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.30
FPWRE065040NBS10G316L	G316L	10S	065NB x 040NB SCH10S (2-1/2" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.31
FPWRE065050NBS10G316L	G316L	10S	065NB x 050NB SCH10S (2-1/2" x 2")	ECCENTRIC REDUCER G316L A403/A815	0.31
FPWRE080040NBS10G316L	G316L	10S	080NB x 040NB SCH10S (3" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.51
FPWRE080050NBS10G316L	G316L	10S	080NB x 050NB SCH10S (3" x 2")	ECCENTRIC REDUCER G316L A403/A815	0.55
FPWRE080065NBS10G316L	G316L	10S	080NB x 065NB SCH10S (3" x 2-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.55
FPWRE100050NBS10G316L	G316L	10S	100NB x 050NB SCH10S (4" x 2")	ECCENTRIC REDUCER G316L A403/A815	0.83
FPWRE100065NBS10G316L	G316L	10S	100NB x 065NB SCH10S (4" x 2-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.78
FPWRE100080NBS10G316L	G316L	10S	100NB x 080NB SCH10S (4" x 3")	ECCENTRIC REDUCER G316L A403/A815	0.83
FPWRE150080NBS10G316L	G316L	10S	150NB x 080NB SCH10S (6" x 3")	ECCENTRIC REDUCER G316L A403/A815	1.82
FPWRE150100NBS10G316L	G316L	10S	150NB x 100NB SCH10S (6" x 4")	ECCENTRIC REDUCER G316L A403/A815	1.95
FPWRE250150NBS10G316L	G316L	10S	250NB x 150NB SCH10S (10" x 6")	ECCENTRIC REDUCER G316L A403/A815	11.12
FPWRE250200NBS10G316L	G316L	10S	250NB x 200NB SCH10S (10" x 8")	ECCENTRIC REDUCER G316L A403/A815	5.00
FPWRE300150NBS10G316L	G316L	10S	300NB x 150NB SCH10S (12" x 6")	ECCENTRIC REDUCER G316L A403/A815	7.67
FPWRE300200NBS10G316L	G316L	10S	300NB x 200NB SCH10S (12" x 8")	ECCENTRIC REDUCER G316L A403/A815	7.98
FPWRE300250NBS10G316L	G316L	10S	300NB x 250NB SCH10S (12" x 10")	ECCENTRIC REDUCER G316L A403/A815	7.98
FPWRE350200NBS10G316L	G316L	10S	350NB x 200NB SCH10S (14" x 8")	ECCENTRIC REDUCER G316L A403/A815	15.00
FPWRE350250NBS10G316L	G316L	10S	350NB x 250NB SCH10S (14" x 10")	ECCENTRIC REDUCER G316L A403/A815	15.00
FPWRE350300NBS10G316L	G316L	10S	350NB x 300NB SCH10S (14" x 12")	ECCENTRIC REDUCER G316L A403/A815	16.00
FPWRE400200NBS10G316L	G316L	10S	400NB x 200NB SCH10S (16" x 8")	ECCENTRIC REDUCER G316L A403/A815	17.40
FPWRE400250NBS10G316L	G316L	10S	400NB x 250NB SCH10S (16" x 10")	ECCENTRIC REDUCER G316L A403/A815	17.40
FPWRE400300NBS10G316L	G316L	10S	400NB x 300NB SCH10S (16" x 12")	ECCENTRIC REDUCER G316L A403/A815	17.50
FPWRE400350NBS10G316L	G316L	10S	400NB x 350NB SCH10S (16" x 14")	ECCENTRIC REDUCER G316L A403/A815	17.70
FPWRE450300NBS10G316L	G316L	10S	450NB x 300NB SCH10S (18" x 12")	ECCENTRIC REDUCER G316L A403/A815	21.00
FPWRE450350NBS10G316L	G316L	10S	450NB x 350NB SCH10S (18" x 14")	ECCENTRIC REDUCER G316L A403/A815	21.00
FPWRE450400NBS10G316L	G316L	10S	450NB x 400NB SCH10S (18" x 16")	ECCENTRIC REDUCER G316L A403/A815	21.00
FPWRE500300NBS10G316L	G316L	10S	500NB x 300NB SCH10S (20" x 12")	ECCENTRIC REDUCER G316L A403/A815	34.00
FPWRE500350NBS10G316L	G316L	10S	500NB x 350NB SCH10S (20" x 14")	ECCENTRIC REDUCER G316L A403/A815	34.00
FPWRE500400NBS10G316L	G316L	10S	500NB x 400NB SCH10S (20" x 16")	ECCENTRIC REDUCER G316L A403/A815	35.00
FPWRE500450NBS10G316L	G316L	10S	500NB x 450NB SCH10S (20" x 18")	ECCENTRIC REDUCER G316L A403/A815	36.00
FPWRE600400NBS10G316L	G316L	10S	600NB x 400NB SCH10S (24" x 16")	ECCENTRIC REDUCER G316L A403/A815	48.00
FPWRE600450NBS10G316L	G316L	10S	600NB x 450NB SCH10S (24" x 18")	ECCENTRIC REDUCER G316L A403/A815	49.00
FPWRE600500NBS10G316L	G316L	10S	600NB x 500NB SCH10S (24" x 20")	ECCENTRIC REDUCER G316L A403/A815	50.00
FPWRE750450NBS10G316L	G316L	10S	750NB x 450NB SCH10S (30" x 18")	ECCENTRIC REDUCER G316L A403/A815	75.00
FPWRE750500NBS10G316L	G316L	10S	750NB x 500NB SCH10S (30" x 20")	ECCENTRIC REDUCER G316L A403/A815	78.00
FPWRE750600NBS10G316L	G316L	10S	750NB x 600NB SCH10S (30" x 24")	ECCENTRIC REDUCER G316L A403/A815	93.00

Butt Weld Fittings

Eccentric Reducers - Welded

Grades: 316L
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to ASME SA403 / ASTM A815 to ASME B16.9

FPWRE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWRE020015NBS40G316L	G316L	40S	020NB x 015NB SCH40S (3/4" x 1/2")	ECCENTRIC REDUCER G316L A403/A815	0.14
FPWRE025020NBS40G316L	G316L	40S	025NB x 020NB SCH40S (1" x 3/4")	ECCENTRIC REDUCER G316L A403/A815	0.16
FPWRE040020NBS40G316L	G316L	40S	040NB x 020NB SCH40S (1-1/2" x 3/4")	ECCENTRIC REDUCER G316L A403/A815	0.28
FPWRE040025NBS40G316L	G316L	40S	040NB x 025NB SCH40S (1-1/2" x 1")	ECCENTRIC REDUCER G316L A403/A815	0.26
FPWRE040032NBS40G316L	G316L	40S	040NB x 032NB SCH40S (1-1/2" x 1-1/4")	ECCENTRIC REDUCER G316L A403/A815	0.26
FPWRE050025NBS40G316L	G316L	40S	050NB x 025NB SCH40S (2" x 1")	ECCENTRIC REDUCER G316L A403/A815	0.40
FPWRE050032NBS40G316L	G316L	40S	050NB x 032NB SCH40S (2" x 1-1/4")	ECCENTRIC REDUCER G316L A403/A815	0.40
FPWRE050040NBS40G316L	G316L	40S	050NB x 040NB SCH40S (2" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.40
FPWRE065040NBS40G316L	G316L	40S	065NB x 040NB SCH40S (2-1/2" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.45
FPWRE065050NBS40G316L	G316L	40S	065NB x 050NB SCH40S (2-1/2" x 2")	ECCENTRIC REDUCER G316L A403/A815	0.45
FPWRE080040NBS40G316L	G316L	40S	080NB x 040NB SCH40S (3" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.89
FPWRE080050NBS40G316L	G316L	40S	080NB x 050NB SCH40S (3" x 2")	ECCENTRIC REDUCER G316L A403/A815	0.89
FPWRE080065NBS40G316L	G316L	40S	080NB x 065NB SCH40S (3" x 2-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.89
FPWRE100050NBS40G316L	G316L	40S	100NB x 050NB SCH40S (4" x 2")	ECCENTRIC REDUCER G316L A403/A815	1.66
FPWRE100065NBS40G316L	G316L	40S	100NB x 065NB SCH40S (4" x 2-1/2")	ECCENTRIC REDUCER G316L A403/A815	1.66
FPWRE100080NBS40G316L	G316L	40S	100NB x 080NB SCH40S (4" x 3")	ECCENTRIC REDUCER G316L A403/A815	1.66

Butt Weld Fittings

Stub Ends - Short Length

Grades: 316L
Schedule: 10S, 40S
Unit of Supply: Each
(For use with lapjoint flanges)

Certification: Acc. to ASTM SA403 / ASTM A815 MSS-SP43/ Type A, ASME B16.9/ 93 Short Pattern

FPWSE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWSE025NBS10G316L	G316L	10S	025NB SCH10S (1")	BUTT WELD STUB END G316L A403/A815	0.16
FPWSE032NBS10G316L	G316L	10S	032NB SCH10S (1-1/4")	BUTT WELD STUB END G316L A403/A815	0.22
FPWSE040NBS10G316L	G316L	10S	040NB SCH10S (1-1/2")	BUTT WELD STUB END G316L A403/A815	0.25
FPWSE050NBS10G316L	G316L	10S	050NB SCH10S (2")	BUTT WELD STUB END G316L A403/A815	0.43
FPWSE065NBS10G316L	G316L	10S	065NB SCH10S (2-1/2")	BUTT WELD STUB END G316L A403/A815	0.57
FPWSE080NBS10G316L	G316L	10S	080NB SCH10S (3")	BUTT WELD STUB END G316L A403/A815	0.73
FPWSE100NBS10G316L	G316L	10S	100NB SCH10S (4")	BUTT WELD STUB END G316L A403/A815	1.09
FPWSE015NBS40G316L	G316L	40S	015NB SCH40S (1/2")	BUTT WELD STUB END G316L A403/A815	0.09
FPWSE025NBS40G316L	G316L	40S	025NB SCH40S (1")	BUTT WELD STUB END G316L A403/A815	0.17
FPWSE032NBS40G316L	G316L	40S	032NB SCH40S (1-1/4")	BUTT WELD STUB END G316L A403/A815	0.25
FPWSE040NBS40G316L	G316L	40S	040NB SCH40S (1-1/2")	BUTT WELD STUB END G316L A403/A815	0.31
FPWSE065NBS40G316L	G316L	40S	065NB SCH40S (2-1/2")	BUTT WELD STUB END G316L A403/A815	0.80
FPWSE080NBS40G316L	G316L	40S	080NB SCH40S (3")	BUTT WELD STUB END G316L A403/A815	1.13
FPWSE100NBS40G316L	G316L	40S	100NB SCH40S (4")	BUTT WELD STUB END G316L A403/A815	1.87
FPWSE150NBS40G316L	G316L	40S	150NB SCH40S (6")	BUTT WELD STUB END G316L A403/A815	3.57

Neck Rings

Grades: 316L
Schedule: 10S, 40S

Unit of Supply: Each
Certification: Acc. to ASTM A240/480

FPWNR

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPWNR015NBS10S	G316	10S	15 NB SCH10S	NECK RING PIPE G316	0.48
FPWNR020NBS10S	G316	10S	20 NB SCH10S	NECK RING PIPE G316	0.69
FPWNR025NBS10S	G316	10S	25 NB SCH10S	NECK RING PIPE G316	0.97
FPWNR032NBS10S	G316	10S	32 NB SCH10S	NECK RING PIPE G316	0.13
FPWNR040NBS10S	G316	10S	40 NB SCH10S	NECK RING PIPE G316	0.15
FPWNR050NBS10S	G316	10S	50 NB SCH10S	NECK RING PIPE G316	0.23
FPWNR065NBS10S	G316	10S	65 NB SCH10S	NECK RING PIPE G316	0.29
FPWNR080NBS10S	G316	10S	80 NB SCH10S	NECK RING PIPE G316	0.37
FPWNR100NBS10S	G316	10S	100 NB SCH10S	NECK RING PIPE G316	0.60
FPWNR125NBS10S	G316	10S	125 NB SCH10S	NECK RING PIPE G316	0.82
FPWNR150NBS10S	G316	10S	150 NB SCH10S	NECK RING PIPE G316	0.93
FPWNR200NBS10S	G316	10S	200 NB SCH10S	NECK RING PIPE G316	1.28
FPWNR250NBS10S	G316	10S	250 NB SCH10S	NECK RING PIPE G316	1.72
FPWNR300NBS10S	G316	10S	300 NB SCH10S	NECK RING PIPE G316	2.51
FPWNR350NBS10S	G316	10S	350 NB SCH10S	NECK RING PIPE G316	3.11
FPWNR400NBS10S	G316	10S	400 NB SCH10S	NECK RING PIPE G316	3.96
FPWNR450NBS10S	G316	10S	450 NB SCH10S	NECK RING PIPE G316	4.50
FPWNR50010S10S	G316		500 NB SCH10S	NECK RING PIPE G316	5.40

SCH40S available on request also. Typically used in tandem with galv back up flanges.

Butt Weld Fittings

End Caps - Seamless

Grades: 316L
Schedule: 10S, 40S
Unit of Supply: Each

Certification: Acc. to ASME SA403 / ASTM A815 to ASME B16.9

FPSEC

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPSEC015NBS10G316L	G316L	10S	015NB SCH10S (1/2")	BUTT WELD END CAP G316L A403/A815	0.04
FPSEC020NBS10G316L	G316L	10S	020NB SCH10S (3/4")	BUTT WELD END CAP G316L A403/A815	0.05
FPSEC025NBS10G316L	G316L	10S	025NB SCH10S (1")	BUTT WELD END CAP G316L A403/A815	0.09
FPSEC032NBS10G316L	G316L	10S	032NB SCH10S (1-1/4")	BUTT WELD END CAP G316L A403/A815	0.13
FPSEC040NBS10G316L	G316L	10S	040NB SCH10S (1-1/2")	BUTT WELD END CAP G316L A403/A815	0.14
FPSEC050NBS10G316L	G316L	10S	050NB SCH10S (2")	BUTT WELD END CAP G316L A403/A815	0.17
FPSEC065NBS10G316L	G316L	10S	065NB SCH10S (2-1/2")	BUTT WELD END CAP G316L A403/A815	0.25
FPSEC080NBS10G316L	G316L	10S	080NB SCH10S (3")	BUTT WELD END CAP G316L A403/A815	0.40
FPSEC100NBS10G316L	G316L	10S	100NB SCH10S (4")	BUTT WELD END CAP G316L A403/A815	0.65
FPSEC125NBS10G316L	G316L	10S	125NB SCH10S (5")	BUTT WELD END CAP G316L A403/A815	1.02
FPSEC150NBS10G316L	G316L	10S	150NB SCH10S (6")	BUTT WELD END CAP G316L A403/A815	1.36
FPSEC200NBS10G316L	G316L	10S	200NB SCH10S (8")	BUTT WELD END CAP G316L A403/A815	2.49
FPSEC250NBS10G316L	G316L	10S	250NB SCH10S (10")	BUTT WELD END CAP G316L A403/A815	4.90
FPSEC300NBS10G316L	G316L	10S	300NB SCH10S (12")	BUTT WELD END CAP G316L A403/A815	6.53
FPSEC400NBS10G316L	G316L	10S	400NB SCH10S (16")	BUTT WELD END CAP G316L A403/A815	14.51
FPSEC450NBS10G316L	G316L	10S	450NB SCH10S (18")	BUTT WELD END CAP G316L A403/A815	17.96
FPSEC500NBS10G316L	G316L	10S	500NB SCH10S (20")	BUTT WELD END CAP G316L A403/A815	27.22
FPSEC015NBS40G316L	G316L	40S	015NB SCH40S (1/2")	BUTT WELD END CAP G316L A403/A815	0.05
FPSEC020NBS40G316L	G316L	40S	020NB SCH40S (3/4")	BUTT WELD END CAP G316L A403/A815	0.06
FPSEC025NBS40G316L	G316L	40S	025NB SCH40S (1")	BUTT WELD END CAP G316L A403/A815	0.13
FPSEC032NBS40G316L	G316L	40S	032NB SCH40S (1-1/4")	BUTT WELD END CAP G316L A403/A815	0.17
FPSEC040NBS40G316L	G316L	40S	040NB SCH40S (1-1/2")	BUTT WELD END CAP G316L A403/A815	0.23
FPSEC050NBS40G316L	G316L	40S	050NB SCH40S (2")	BUTT WELD END CAP G316L A403/A815	0.27
FPSEC065NBS40G316L	G316L	40S	065NB SCH40S (2-1/2")	BUTT WELD END CAP G316L A403/A815	0.45
FPSEC080NBS40G316L	G316L	40S	080NB SCH40S (3")	BUTT WELD END CAP G316L A403/A815	0.71
FPSEC100NBS40G316L	G316L	40S	100NB SCH40S (4")	BUTT WELD END CAP G316L A403/A815	1.22
FPSEC125NBS40G316L	G316L	40S	125NB SCH40S (5")	BUTT WELD END CAP G316L A403/A815	1.91
FPSEC150NBS40G316L	G316L	40S	150NB SCH40S (6")	BUTT WELD END CAP G316L A403/A815	3.23
FPSEC200NBS40G316L	G316L	40S	200NB SCH40S (8")	BUTT WELD END CAP G316L A403/A815	5.67
FPSEC250NBS40G316L	G316L	40S	250NB SCH40S (10")	BUTT WELD END CAP G316L A403/A815	9.21
FPSEC300NBS40G316L	G316L	40S	300NB SCH40S (12")	BUTT WELD END CAP G316L A403/A815	13.06

Pipe Hangers, Clamps and Brackets

2-Piece Saddle Clamps

Grades: 304

Unit of Supply: Each

FPSC

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPSC015NBG304	G304	015NB (1/2")	PIPE SADDLE CLAMP G304	0.01
FPSC050NBG304	G304	050NB (2")	PIPE SADDLE CLAMP G304	0.19
FPSC100NBG304	G304	100NB (4")	PIPE SADDLE CLAMP G304	0.29
FPSC125NBG304	G304	125NB (5")	PIPE SADDLE CLAMP G304	0.67
FPSC150NBG304	G304	150NB (6")	PIPE SADDLE CLAMP G304	0.75
FPSC200NBG304	G304L	200NB (8")	PIPE SADDLE CLAMP G304	1.48

M Brackets

Grades: 304

Unit of Supply: Each

FPMB

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPMB025NBG304	G304	025NB (1")	M BRACKET G304 PIPE	0.08
FPMB032NBG304	G304	032NB (1-1/4")	M BRACKET G304 PIPE	0.08
FPMB040NBG304	G304	040NB (1-1/2")	M BRACKET G304 PIPE	0.09
FPMB050NBG304	G304	050NB (2")	M BRACKET G304 PIPE	0.20
FPMB065NBG304	G304	065NB (2-1/2")	M BRACKET G304 PIPE	0.22
FPMB080NBG304	G304	080NB (3")	M BRACKET G304 PIPE	0.28
FPMB100NBG304	G304	100NB (4")	M BRACKET G304 PIPE	0.31
FPMB150NBG304	G304	150NB (6")	M BRACKET G304 PIPE	0.45

Pipe Hangers, Clamps and Brackets

Hangers (PP Type)

Grades: 304 (316 on request)
Types: Plain, Bossed (M10 & 5/8")
Unit of Supply: Each

Plain PP Type

Bossed M10

FPHH

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPHH015NBG304	G304	015NB (1/2")	PIPE HANGER PLAIN G304	0.11
FPHH020NBG304	G304	020NB (3/4")	PIPE HANGER PLAIN G304	0.07
FPHH025NBG304	G304	025NB (1")	PIPE HANGER PLAIN G304	0.11
FPHH032NBG304	G304	032NB (1-1/4")	PIPE HANGER PLAIN G304	0.13
FPHH040NBG304	G304	040NB (1-1/2")	PIPE HANGER PLAIN G304	0.13
FPHH050NBG304	G304	050NB (2")	PIPE HANGER PLAIN G304	0.16
FPHH065NBG304	G304	065NB (2-1/2")	PIPE HANGER PLAIN G304	0.18
FPHH080NBG304	G304	080NB (3")	PIPE HANGER PLAIN G304	0.22
FPHH100NBG304	G304	100NB (4")	PIPE HANGER PLAIN G304	0.25
FPHH020NBG304BM10	G304	020NB (3/4")	PIPE HANGER BOSSED M10 G304	0.09
FPHH025NBG304BM10	G304	025NB (1")	PIPE HANGER BOSSED M10 G304	0.13
FPHH032NBG304BM10	G304	032NB (1-1/4")	PIPE HANGER BOSSED M10 G304	0.15
FPHH040NBG304BM10	G304	040NB (1-1/2")	PIPE HANGER BOSSED M10 G304	0.16
FPHH050NBG304BM10	G304	050NB (2")	PIPE HANGER BOSSED M10 G304	0.18
FPHH065NBG304BM10	G304	065NB (2-1/2")	PIPE HANGER BOSSED M10 G304	0.21
FPHH080NBG304BM10	G304	080NB (3")	PIPE HANGER BOSSED M10 G304	0.23
FPHH100NBG304BM10	G304	100NB (4")	PIPE HANGER BOSSED M10 G304	0.32
FPHH150NBG304BM10	G304	150NB (6")	PIPE HANGER BOSSED M10 G304	0.83
FPHH100NBG304BM15	G304	100NB (4")	PIPE HANGER BOSSED 5/8" G304	0.25

Low Pressure 150LB BSP/NPT Threaded Fittings

Threads: BS 21 (equivalent to ISO 7/1 jointing (sealing) thread).
Male taper thread (R) plus Female parallel thread (Rp).
Material: Cast CF8M (316) to ASTM A351. Pipe G316L to ASTM A312.
Dimensions: Mill standard.

FPTEF
45° Elbow (F/F)
BSP

FPTEF
90° Elbow (F/F)
BSP/NPT

FPTES
90° Street Elbow (M/F)
BSP

FPTTE
Tee (F/F)
BSP/NPT

FPTHC
Hex Cap
BSP

FPTNU
Hex Back Nut
BSP

FPTHP
Hex Head Plug
BSP/NPT

FPTSP
Square Head Plug
BSP

FPTHS
Half Socket
BSP

FPTS
Socket
BSP/NPT

FPTRS
Reducing Socket
BSP

FPTBN
Barrel Nipple
BSP/NPT

FPTHN
Hex Nipple Equal
BSP

FPTRN
Hex Reducing Nipple
BSP

FPTWN
Weld Nipple
BSP/NPT

FTTRWN
Reducing Weld Nipple
BSP

FPTBU
Hex Reducing Bush
BSP

FPTUN
3-Piece Union
BSP/NPT

FPTHT
Hex Hose Tail
BSP

FPTWNM
Weld Nipple Male Adapter
BSP

FPTWNH
Weld Nipple Hex Nut Adapter
BSP

FPTWNF
Weld Nipple Tri-ferrule Adapter
BSP

FPTWNA
Weld Nipple Tube Adapter
BSP

Low Pressure 150LB BSP/NPT Threaded Fittings

45° Elbow (F/F) - BSP

Grades: 316
Style: Female/Female

Threads: BSP Parallel
Rating: 150LB
Unit of Supply: Each

FPTEF

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTEF008NB45DG316F150BSP	G316	008NB (1/4")	BSP ELBOW 45DEG F/F 150LB G316	0.02
FPTEF010NB45DG316F150BSP	G316	010NB (3/8")	BSP ELBOW 45DEG F/F 150LB G316	0.04
FPTEF015NB45DG316F150BSP	G316	015NB (1/2")	BSP ELBOW 45DEG F/F 150LB G316	0.07
FPTEF020NB45DG316F150BSP	G316	020NB (3/4")	BSP ELBOW 45DEG F/F 150LB G316	0.10
FPTEF025NB45DG316F150BSP	G316	025NB (1")	BSP ELBOW 45DEG F/F 150LB G316	0.14
FPTEF032NB45DG316F150BSP	G316	032NB (1-1/4")	BSP ELBOW 45DEG F/F 150LB G316	0.24
FPTEF040NB45DG316F150BSP	G316	040NB (1-1/2")	BSP ELBOW 45DEG F/F 150LB G316	0.36
FPTEF050NB45DG316F150BSP	G316	050NB (2")	BSP ELBOW 45DEG F/F 150LB G316	0.44
FPTEF080NB45DG316F150BSP	G316	080NB (3")	BSP ELBOW 45DEG F/F 150LB G316	0.53

90° Elbow (F/F) - BSP/NPT

Grades: 316
Style: Female/Female

Threads: BSP/NPT Parallel
Rating: 150LB
Unit of Supply: Each

FPTEF

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTEF006NB90DG316F150BSP	G316	006NB (1/8")	BSP ELBOW 90DEG F/F 150LB G316	0.03
FPTEF008NB90DG316F150BSP	G316	008NB (1/4")	BSP ELBOW 90DEG F/F 150LB G316	0.04
FPTEF010NB90DG316F150BSP	G316	010NB (3/8")	BSP ELBOW 90DEG F/F 150LB G316	0.06
FPTEF015NB90DG316F150BSP	G316	015NB (1/2")	BSP ELBOW 90DEG F/F 150LB G316	0.11
FPTEF020NB90DG316F150BSP	G316	020NB (3/4")	BSP ELBOW 90DEG F/F 150LB G316	0.19
FPTEF025NB90DG316F150BSP	G316	025NB (1")	BSP ELBOW 90DEG F/F 150LB G316	0.26
FPTEF032NB90DG316F150BSP	G316	032NB (1-1/4")	BSP ELBOW 90DEG F/F 150LB G316	0.53
FPTEF040NB90DG316F150BSP	G316	040NB (1-1/2")	BSP ELBOW 90DEG F/F 150LB G316	0.73
FPTEF050NB90DG316F150BSP	G316	050NB (2")	BSP ELBOW 90DEG F/F 150LB G316	0.88
FPTEF065NB90DG316F150BSP	G316	065NB (2-1/2")	BSP ELBOW 90DEG F/F 150LB G316	0.95
FPTEF080NB90DG316F150BSP	G316	080NB (3")	BSP ELBOW 90DEG F/F 150LB G316	1.05
FPTEF100NB90DG316F150BSP	G316	100NB (4")	BSP ELBOW 90DEG F/F 150LB G316	1.20
FPTEF015NBG316150NPT	G316L	015NB (1/2")	NPT ELBOW 90DEG F/F 150LB G316	0.11
FPTEF020NBG316150NPT	G316L	020NB (3/4")	NPT ELBOW 90DEG F/F 150LB G316	0.19
FPTEF025NBG316150NPT	G316L	025NB (1")	NPT ELBOW 90DEG F/F 150LB G316	0.26
FPTEF032NBG316150NPT	G316L	032NB (1-1/4")	NPT ELBOW 90DEG F/F 150LB G316	0.53
FPTEF040NBG316150NPT	G316L	040NB (1-1/2")	NPT ELBOW 90DEG F/F 150LB G316	0.73
FPTEF050NBG316150NPT	G316L	050NB (2")	NPT ELBOW 90DEG F/F 150LB G316	0.88

Low Pressure 150LB BSP/NPT Threaded Fittings

90° Street Elbow (M/F) - BSP

Grades: 316
Style: Male/Female

Threads: BSP Taper/Parallel
Rating: 150LB
Unit of Supply: Each

FPTES

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTES006NB90DG316S150BSP	G316	006NB (1/8")	BSP STREET ELBOW 90DEG M/F 150LB G316	0.02
FPTES008NB90DG316S150BSP	G316	008NB (1/4")	BSP STREET ELBOW 90DEG M/F 150LB G316	0.03
FPTES010NB90DG316S150BSP	G316	010NB (3/8")	BSP STREET ELBOW 90DEG M/F 150LB G316	0.06
FPTES015NB90DG316S150BSP	G316	015NB (1/2")	BSP STREET ELBOW 90DEG M/F 150LB G316	0.09
FPTES020NB90DG316S150BSP	G316	020NB (3/4")	BSP STREET ELBOW 90DEG M/F 150LB G316	0.15
FPTES025NB90DG316S150BSP	G316	025NB (1")	BSP STREET ELBOW 90DEG M/F 150LB G316	0.19
FPTES032NB90DG316S150BSP	G316	032NB (1-1/4")	BSP STREET ELBOW 90DEG M/F 150LB G316	0.23
FPTES040NB90DG316S150BSP	G316	040NB (1-1/2")	BSP STREET ELBOW 90DEG M/F 150LB G316	0.48
FPTES050NB90DG316S150BSP	G316	050NB (2")	BSP STREET ELBOW 90DEG M/F 150LB G316	0.70

Tee - BSP/NPT

Grades: 316
Style: Female/Female

Threads: BSP/NPT Parallel
Rating: 150LB
Unit of Supply: Each

FPTTE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTTE006NBG316150BSP	G316	006NB (1/8")	BSP TEE 150LB G316	0.03
FPTTE008NBG316150BSP	G316	008NB (1/4")	BSP TEE 150LB G316	0.05
FPTTE010NBG316150BSP	G316	010NB (3/8")	BSP TEE 150LB G316	0.03
FPTTE015NBG316150BSP	G316	015NB (1/2")	BSP TEE 150LB G316	0.14
FPTTE020NBG316150BSP	G316	020NB (3/4")	BSP TEE 150LB G316	0.25
FPTTE025NBG316150BSP	G316	025NB (1")	BSP TEE 150LB G316	0.35
FPTTE032NBG316150BSP	G316	032NB (1-1/4")	BSP TEE 150LB G316	0.65
FPTTE040NBG316150BSP	G316	040NB (1-1/2")	BSP TEE 150LB G316	0.89
FPTTE050NBG316150BSP	G316	050NB (2")	BSP TEE 150LB G316	1.05
FPTTE065NBG316150BSP	G316	065NB (2-1/2")	BSP TEE 150LB G316	1.70
FPTTE080NBG316150BSP	G316	080NB (3")	BSP TEE 150LB G316	3.44
FPTTE015NBG316150NPT	G316L	015NB (1/2")	NPT TEE 150LB G316	0.14
FPTTE020NBG316150NPT	G316L	020NB (3/4")	NPT TEE 150LB G316	0.25
FPTTE025NBG316150NPT	G316L	025NB (1")	NPT TEE 150LB G316	0.35
FPTTE032NBG316150NPT	G316L	032NB (1-1/4")	NPT TEE 150LB G316	0.65
FPTTE040NBG316150NPT	G316L	040NB (1-1/2")	NPT TEE 150LB G316	0.89
FPTTE050NBG316150NPT	G316L	050NB (2")	NPT TEE 150LB G316	1.05

Low Pressure 150LB BSP/NPT Threaded Fittings

Hex Cap - BSP

Grades: 316
Style: Female

Threads: BSP Parallel
Rating: 150LB
Unit of Supply: Each

FPTHC

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTHC008NBG316150BSP	G316	008NB (1/4")	BSP HEX CAP 150LB G316	0.03
FPTHC010NBG316150BSP	G316	010NB (3/8")	BSP HEX CAP 150LB G316	0.04
FPTHC015NBG316150BSP	G316	015NB (1/2")	BSP HEX CAP 150LB G316	0.06
FPTHC020NBG316150BSP	G316	020NB (3/4")	BSP HEX CAP 150LB G316	0.08
FPTHC025NBG316150BSP	G316	025NB (1")	BSP HEX CAP 150LB G316	0.17
FPTHC032NBG316150BSP	G316	032NB (1-1/4")	BSP HEX CAP 150LB G316	0.25
FPTHC040NBG316150BSP	G316	040NB (1-1/2")	BSP HEX CAP 150LB G316	0.30
FPTHC050NBG316150BSP	G316	050NB (2")	BSP HEX CAP 150LB G316	0.53

Hex Back Nut - BSP

Grades: 316
Style: Female

Threads: BSP Parallel
Rating: 150LB
Unit of Supply: Each

FPTNU

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTNU015NBG316150BSP	G316	015NB (1/2")	BSP BACK NUT 150LB G316	0.04
FPTNU020NBG316150BSP	G316	020NB (3/4")	BSP BACK NUT 150LB G316	0.05
FPTNU025NBG316150BSP	G316	025NB (1")	BSP BACK NUT 150LB G316	0.09
FPTNU032NBG316150BSP	G316	032NB (1-1/4")	BSP BACK NUT 150LB G316	0.13
FPTNU040NBG316150BSP	G316	040NB (1-1/2")	BSP BACK NUT 150LB G316	0.15
FPTNU050NBG316150BSP	G316	050NB (2")	BSP BACK NUT 150LB G316	0.25

Low Pressure 150LB BSP/NPT Threaded Fittings

Hex Head Plug - BSP/NPT

Grades: 316
Style: Male

Threads: BSP/NPT Taper
Rating: 150LB
Unit of Supply: Each

FPTHP

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTHP006NBG316150BSP	G316	006NB (1/8")	BSP HEX PLUG 150LB G316	0.02
FPTHP008NBG316150BSP	G316	008NB (1/4")	BSP HEX PLUG 150LB G316	0.02
FPTHP010NBG316150BSP	G316	010NB (3/8")	BSP HEX PLUG 150LB G316	0.03
FPTHP015NBG316150BSP	G316	015NB (1/2")	BSP HEX PLUG 150LB G316	0.06
FPTHP020NBG316150BSP	G316	020NB (3/4")	BSP HEX PLUG 150LB G316	0.11
FPTHP025NBG316150BSP	G316	025NB (1")	BSP HEX PLUG 150LB G316	0.19
FPTHP032NBG316150BSP	G316	032NB (1-1/4")	BSP HEX PLUG 150LB G316	0.37
FPTHP040NBG316150BSP	G316	040NB (1-1/2")	BSP HEX PLUG 150LB G316	0.49
FPTHP050NBG316150BSP	G316	050NB (2")	BSP HEX PLUG 150LB G316	0.60
FPTHP065NBG316150BSP	G316	065NB (2-1/2")	BSP HEX PLUG 150LB G316	0.76
FPTHP080NBG316150BSP	G316	080NB (3")	BSP HEX PLUG 150LB G316	0.93
FPTHP015NBG316150NPT	G316L	015NB (1/2")	NPT HEX PLUG 150LB G316	0.06
FPTHP020NBG316150NPT	G316L	020NB (3/4")	NPT HEX PLUG 150LB G316	0.11
FPTHP025NBG316150NPT	G316L	025NB (1")	NPT HEX PLUG 150LB G316	0.19
FPTHP032NBG316150NPT	G316L	032NB (1-1/4")	NPT HEX PLUG 150LB G316	0.37
FPTHP040NBG316150NPT	G316L	040NB (1-1/2")	NPT HEX PLUG 150LB G316	0.49
FPTHP050NBG316150NPT	G316L	050NB (2")	NPT HEX PLUG 150LB G316	0.60

Half Socket - BSP

Grades: 316
Style: Female

Threads: BSP Parallel
Rating: 150LB
Unit of Supply: Each

FPTHS

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTHS008NBG316150BSP	G316	008NB (1/4")	BSP HALF SOCKET 150LB G316	0.01
FPTHS010NBG316150BSP	G316	010NB (3/8")	BSP HALF SOCKET 150LB G316	0.01
FPTHS015NBG316150BSP	G316	015NB (1/2")	BSP HALF SOCKET 150LB G316	0.04
FPTHS020NBG316150BSP	G316	020NB (3/4")	BSP HALF SOCKET 150LB G316	0.05
FPTHS025NBG316150BSP	G316	025NB (1")	BSP HALF SOCKET 150LB G316	0.08
FPTHS032NBG316150BSP	G316	032NB (1-1/4")	BSP HALF SOCKET 150LB G316	0.10
FPTHS040NBG316150BSP	G316	040NB (1-1/2")	BSP HALF SOCKET 150LB G316	0.14

Low Pressure 150LB BSP/NPT Threaded Fittings

Socket - BSP/NPT

Grades: 316
Style: Female/Female

Threads: BSP/NPT Parallel
Rating: 150LB
Unit of Supply: Each

FPTS

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTS006NBG316150BSP	G316	006NB (1/8")	BSP SOCKET 150LB G316	0.01
FPTS008NBG316150BSP	G316	008NB (1/4")	BSP SOCKET 150LB G316	0.03
FPTS010NBG316150BSP	G316	010NB (3/8")	BSP SOCKET 150LB G316	0.03
FPTS015NBG316150BSP	G316	015NB (1/2")	BSP SOCKET 150LB G316	0.07
FPTS020NBG316150BSP	G316	020NB (3/4")	BSP SOCKET 150LB G316	0.09
FPTS025NBG316150BSP	G316	025NB (1")	BSP SOCKET 150LB G316	0.15
FPTS032NBG316150BSP	G316	032NB (1-1/4")	BSP SOCKET 150LB G316	0.19
FPTS040NBG316150BSP	G316	040NB (1-1/2")	BSP SOCKET 150LB G316	0.27
FPTS050NBG316150BSP	G316	050NB (2")	BSP SOCKET 150LB G316	0.43
FPTS065NBG316150BSP	G316	065NB (2-1/2")	BSP SOCKET 150LB G316	0.51
FPTS080NBG316150BSP	G316	080NB (3")	BSP SOCKET 150LB G316	0.66
FPTS100NBG316150BSP	G316	100NB (4")	BSP SOCKET 150LB G316	0.96
FPTS015NBG316150NPT	G316L	015NB (1/2")	NPT SOCKET 150LB G316	0.07
FPTS020NBG316150NPT	G316L	020NB (3/4")	NPT SOCKET 150LB G316	0.10
FPTS025NBG316150NPT	G316L	025NB (1")	NPT SOCKET 150LB G316	0.17
FPTS032NBG316150NPT	G316L	032NB (1-1/4")	NPT SOCKET 150LB G316	0.23
FPTS040NBG316150NPT	G316L	040NB (1-1/2")	NPT SOCKET 150LB G316	0.25
FPTS050NBG316150NPT	G316L	050NB (2")	NPT SOCKET 150LB G316	0.37

Reducing Socket - BSP

Grades: 316
Style: Female/Female

Threads: BSP Parallel
Rating: 150LB
Unit of Supply: Each

FPTRS

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTRS015008NBG316150BSP	G316	015NB x 008NB (1/2" x 1/4")	BSP REDUCING SOCKET 150LB G316	0.08
FPTRS015010NBG316150BSP	G316	015NB x 010NB (1/2" x 3/8")	BSP REDUCING SOCKET 150LB G316	0.08
FPTRS020015NBG316150BSP	G316	020NB x 015NB (3/4" x 1/2")	BSP REDUCING SOCKET 150LB G316	0.10
FPTRS025008NBG316150BSP	G316	025NB x 008NB (1" x 1/4")	BSP REDUCING SOCKET 150LB G316	0.30
FPTRS025010NBG316150BSP	G316	025NB x 010NB (1" x 3/8")	BSP REDUCING SOCKET 150LB G316	0.17
FPTRS025015NBG316150BSP	G316	025NB x 015NB (1" x 1/2")	BSP REDUCING SOCKET 150LB G316	0.16
FPTRS025020NBG316150BSP	G316	025NB x 020NB (1" x 3/4")	BSP REDUCING SOCKET 150LB G316	0.17
FPTRS032020NBG316150BSP	G316	032NB x 020NB (1-1/4" x 3/4")	BSP REDUCING SOCKET 150LB G316	0.26
FPTRS032025NBG316150BSP	G316	032NB x 025NB (1-1/4" x 1")	BSP REDUCING SOCKET 150LB G316	0.25
FPTRS040020NBG316150BSP	G316	040NB x 020NB (1-1/2" x 3/4")	BSP REDUCING SOCKET 150LB G316	0.15
FPTRS040025NBG316150BSP	G316	040NB x 025NB (1-1/2" x 1")	BSP REDUCING SOCKET 150LB G316	0.15
FPTRS040032NBG316150BSP	G316	040NB x 032NB (1-1/2" x 1-1/4")	BSP REDUCING SOCKET 150LB G316	0.30
FPTRS050025NBG316150BSP	G316	050NB x 025NB (2" x 1")	BSP REDUCING SOCKET 150LB G316	0.66
FPTRS050032NBG316150BSP	G316	050NB x 032NB (2" x 1-1/4")	BSP REDUCING SOCKET 150LB G316	0.59
FPTRS050040NBG316150BSP	G316	050NB x 040NB (2" x 1-1/2")	BSP REDUCING SOCKET 150LB G316	0.61

Low Pressure 150LB BSP/NPT Threaded Fittings

Barrel Nipple - BSP/NPT

Grades: 316
Style: Male/Male

Threads: BSP/NPT Taper
Rating: 150LB
Unit of Supply: Each

FPTBN

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTBN006NBG316150BSP	G316	006NB (1/8")	BSP BARREL NIPPLE 150LB G316	0.01
FPTBN008NBG316150BSP	G316	008NB (1/4")	BSP BARREL NIPPLE 150LB G316	0.02
FPTBN010NBG316150BSP	G316	010NB (3/8")	BSP BARREL NIPPLE 150LB G316	0.03
FPTBN015NBG316150BSP	G316	015NB (1/2")	BSP BARREL NIPPLE 150LB G316	0.06
FPTBN020NBG316150BSP	G316	020NB (3/4")	BSP BARREL NIPPLE 150LB G316	0.07
FPTBN025NBG316150BSP	G316	025NB (1")	BSP BARREL NIPPLE 150LB G316	0.11
FPTBN032NBG316150BSP	G316	032NB (1-1/4")	BSP BARREL NIPPLE 150LB G316	0.19
FPTBN040NBG316150BSP	G316	040NB (1-1/2")	BSP BARREL NIPPLE 150LB G316	0.22
FPTBN050NBG316150BSP	G316	050NB (2")	BSP BARREL NIPPLE 150LB G316	0.39
FPTBN065NBG316150BSP	G316	065NB (2-1/2")	BSP BARREL NIPPLE 150LB G316	0.47
FPTBN080NBG316150BSP	G316	080NB (3")	BSP BARREL NIPPLE 150LB G316	0.77
FPTBN100NBG316150BSP	G316	100NB (4")	BSP BARREL NIPPLE 150LB G316	0.88
FPTBN015NBG316150NPT	G316L	015NB (1/2")	NPT BARREL NIPPLE 150LB G316	0.06
FPTBN020NBG316150NPT	G316L	020NB (3/4")	NPT BARREL NIPPLE 150LB G316	0.08
FPTBN025NBG316150NPT	G316L	025NB (1")	NPT BARREL NIPPLE 150LB G316	0.12
FPTBN032NBG316150NPT	G316L	032NB (1-1/4")	NPT BARREL NIPPLE 150LB G316	0.21
FPTBN040NBG316150NPT	G316L	040NB (1-1/2")	NPT BARREL NIPPLE 150LB G316	0.24
FPTBN050NBG316150NPT	G316L	050NB (2")	NPT BARREL NIPPLE 150LB G316	0.41

Hex Nipple Equal - BSP

Grades: 316
Style: Male/Male

Threads: BSP Taper
Rating: 150LB
Unit of Supply: Each

FPTHN

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTHN006NBG316150BSP	G316	006NB (1/8")	BSP HEX NIPPLE 150LB G316	0.01
FPTHN008NBG316150BSP	G316	008NB (1/4")	BSP HEX NIPPLE 150LB G316	0.02
FPTHN010NBG316150BSP	G316	010NB (3/8")	BSP HEX NIPPLE 150LB G316	0.03
FPTHN015NBG316150BSP	G316	015NB (1/2")	BSP HEX NIPPLE 150LB G316	0.05
FPTHN020NBG316150BSP	G316	020NB (3/4")	BSP HEX NIPPLE 150LB G316	0.09
FPTHN025NBG316150BSP	G316	025NB (1")	BSP HEX NIPPLE 150LB G316	0.14
FPTHN032NBG316150BSP	G316	032NB (1-1/4")	BSP HEX NIPPLE 150LB G316	0.25
FPTHN040NBG316150BSP	G316	040NB (1-1/2")	BSP HEX NIPPLE 150LB G316	0.28
FPTHN050NBG316150BSP	G316	050NB (2")	BSP HEX NIPPLE 150LB G316	0.47
FPTHN065NBG316150BSP	G316	065NB (2-1/2")	BSP HEX NIPPLE 150LB G316	0.71
FPTHN080NBG316150BSP	G316	080NB (3")	BSP HEX NIPPLE 150LB G316	0.95

Low Pressure 150LB BSP/NPT Threaded Fittings

Hex Reducing Nipple - BSP

Grades: 316
Style: Male/Male

Threads: BSP Taper
Rating: 150LB
Unit of Supply: Each

FPTRN

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTRN008006NBG3161508SP	G316	008NB x 006NB (1/4" x 1/8")	BSP REDUCING HEX NIPPLE 150LB G316	0.02
FPTRN015008NBG316150BSP	G316	015NB x 008NB (1/2" x 1/4")	BSP REDUCING HEX NIPPLE 150LB G316	0.04
FPTRN015010NBG316150BSP	G316	015NB x 010NB (1/2" x 3/8")	BSP REDUCING HEX NIPPLE 150LB G316	0.05
FPTRN020008NBG316150BSP	G316	020NB x 008NB (3/4" x 1/4")	BSP REDUCING HEX NIPPLE 150LB G316	0.07
FPTRN020010NBG316150BSP	G316	020NB x 010NB (3/4" x 3/8")	BSP REDUCING HEX NIPPLE 150LB G316	0.13
FPTRN020015NBG316150BSP	G316	020NB x 015NB (3/4" x 1/2")	BSP REDUCING HEX NIPPLE 150LB G316	0.13
FPTRN025010NBG316150BSP	G316	025NB x 010NB (1" x 3/8")	BSP REDUCING HEX NIPPLE 150LB G316	0.13
FPTRN025015NBG316150BSP	G316	025NB x 015NB (1" x 1/2")	BSP REDUCING HEX NIPPLE 150LB G316	0.17
FPTRN025020NBG316150BSP	G316	025NB x 020NB (1" x 3/4")	BSP REDUCING HEX NIPPLE 150LB G316	0.13
FPTRN032015NBG316150BSP	G316	032NB x 015NB (1-1/4" x 1/2")	BSP REDUCING HEX NIPPLE 150LB G316	0.23
FPTRN032020NBG316150BSP	G316	032NB x 020NB (1-1/4" x 3/4")	BSP REDUCING HEX NIPPLE 150LB G316	0.25
FPTRN032025NBG316150BSP	G316	032NB x 025NB (1-1/4" x 1")	BSP REDUCING HEX NIPPLE 150LB G316	0.25
FPTRN040015NBG316150BSP	G316	040NB x 015NB (1-1/2" x 1/2")	BSP REDUCING HEX NIPPLE 150LB G316	0.22
FPTRN040020NBG316150BSP	G316	040NB x 020NB (1-1/2" x 3/4")	BSP REDUCING HEX NIPPLE 150LB G316	0.22
FPTRN040025NBG316150BSP	G316	040NB x 025NB (1-1/2" x 1")	BSP REDUCING HEX NIPPLE 150LB G316	0.26
FPTRN040032NBG316150BSP	G316	040NB x 032NB (1-1/2" x 1-1/4")	BSP REDUCING HEX NIPPLE 150LB G316	0.26
FPTRN050025NBG316150BSP	G316	050NB x 025NB (2" x 1")	BSP REDUCING HEX NIPPLE 150LB G316	0.40
FPTRN050032NBG316150BSP	G316	050NB x 032NB (2" x 1-1/4")	BSP REDUCING HEX NIPPLE 150LB G316	0.40
FPTRN050040NBG316150BSP	G316	050NB x 040NB (2" x 1-1/2")	BSP REDUCING HEX NIPPLE 150LB G316	0.40
FPTRN080050NBG316150BSP	G316	080NB x 050NB (3" x 2")	BSP REDUCING HEX NIPPLE 150LB G316	1.07

Low Pressure 150LB BSP/NPT Threaded Fittings

Weld Nipple - BSP/NPT

Grades: 316
Style: Male

Threads: BSP/NPT Taper
Rating: 150LB
Unit of Supply: Each

FPTWN

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTWN006NBG316150BSP	G316	006NB (1/8")	BSP WELD NIPPLE 150LB G316	0.01
FPTWN008NBG316150BSP	G316	008NB (1/4")	BSP WELD NIPPLE 150LB G316	0.02
FPTWN010NBG316150BSP	G316	010NB (3/8")	BSP WELD NIPPLE 150LB G316	0.02
FPTWN015NBG316150BSP	G316	015NB (1/2")	BSP WELD NIPPLE 150LB G316	0.03
FPTWN020NBG316150BSP	G316	020NB (3/4")	BSP WELD NIPPLE 150LB G316	0.05
FPTWN025NBG316150BSP	G316	025NB (1")	BSP WELD NIPPLE 150LB G316	0.07
FPTWN032NBG316150BSP	G316	032NB (1-1/4")	BSP WELD NIPPLE 150LB G316	0.13
FPTWN040NBG316150BSP	G316	040NB (1-1/2")	BSP WELD NIPPLE 150LB G316	0.15
FPTWN050NBG316150BSP	G316	050NB (2")	BSP WELD NIPPLE 150LB G316	0.23
FPTWN065NBG316150BSP	G316	065NB (2-1/2")	BSP WELD NIPPLE 150LB G316	0.31
FPTWN080NBG316150BSP	G316	080NB (3")	BSP WELD NIPPLE 150LB G316	0.43
FPTWN100NBG316150BSP	G316	100NB (4")	BSP WELD NIPPLE 150LB G316	1.00
FPTWN015NBG316150NPT	G316L	015NB (1/2")	NPT WELD NIPPLE 150LB G316	0.04
FPTWN020NBG316150NPT	G316L	020NB (3/4")	NPT WELD NIPPLE 150LB G316	0.06
FPTWN025NBG316150NPT	G316L	025NB (1")	NPT WELD NIPPLE 150LB G316	0.08
FPTWN032NBG316150NPT	G316L	032NB (1-1/4")	NPT WELD NIPPLE 150LB G316	0.14
FPTWN040NBG316150NPT	G316L	040NB (1-1/2")	NPT WELD NIPPLE 150LB G316	0.16
FPTWN050NBG316150NPT	G316L	050NB (2")	NPT WELD NIPPLE 150LB G316	0.20

Reducing Weld Nipple - BSP

Grades: 316
Style: Male/Plain

Threads: BSP Taper
Rating: 150LB
Unit of Supply: Each

FTTRWN

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTTRWN0127G316150BSP	G316	12.70mm x 015NB (1/2")	BSP REDUCING WELD NIPPLE 150LB G316	0.04
FTTRWN0190G316150BSP	G316	19.05mm x 020NB (3/4")	BSP REDUCING WELD NIPPLE 150LB G316	0.06
FTTRWN0254G316150BSP	G316	25.40mm x 025NB (1")	BSP REDUCING WELD NIPPLE 150LB G316	0.08
FTTRWN0318G316150BSP	G316	31.80mm x 032NB (1-1/4")	BSP REDUCING WELD NIPPLE 150LB G316	0.11
FTTRWN0381G316150BSP	G316	38.10mm x 040NB (1-1/2")	BSP REDUCING WELD NIPPLE 150LB G316	0.15
FTTRWN0508G316150BSP	G316	50.80mm x 050NB (2")	BSP REDUCING WELD NIPPLE 150LB G316	0.20
FTTRWN0635G316150BSP	G316	63.50mm x 065NB (2-1/2")	BSP REDUCING WELD NIPPLE 150LB G316	0.41
FTTRWN0762G316150BSP	G316	76.20mm x 080NB (3")	BSP REDUCING WELD NIPPLE 150LB G316	0.55
FTTRWN1016G316150BSP	G316	101.6mm x 100NB (4")	BSP REDUCING WELD NIPPLE 150LB G316	0.80

Weld Nipple Tube Adapters are also available - pg 109

Low Pressure 150LB BSP/NPT Threaded Fittings

Hex Reducing Bush - BSP

Grades: 316
Style: Male/Female

Threads: BSP Taper
Rating: 150LB
Unit of Supply: Each

FPTBU

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTBU008006NBG316150BSP	G316	008NB x 006NB (1/4" x 1/8")	BSP REDUCING BUSH 150LB G316	0.01
FPTBU010006NBG316150BSP	G316	010NB x 006NB (3/8" x 1/8")	BSP REDUCING BUSH 150LB G316	0.02
FPTBU010008NBG316150BSP	G316	010NB x 008NB (3/8" x 1/4")	BSP REDUCING BUSH 150LB G316	0.02
FPTBU015006NBG316150BSP	G316	015NB x 006NB (1/2" x 1/8")	BSP REDUCING BUSH 150LB G316	0.02
FPTBU015008NBG316150BSP	G316	015NB x 008NB (1/2" x 1/4")	BSP REDUCING BUSH 150LB G316	0.04
FPTBU015010NBG316150BSP	G316	015NB x 010NB (1/2" x 3/8")	BSP REDUCING BUSH 150LB G316	0.04
FPTBU020008NBG316150BSP	G316	020NB x 008NB (3/4" x 1/4")	BSP REDUCING BUSH 150LB G316	0.02
FPTBU020010NBG316150BSP	G316	020NB x 010NB (3/4" x 3/8")	BSP REDUCING BUSH 150LB G316	0.05
FPTBU020015NBG316150BSP	G316	020NB x 015NB (3/4" x 1/2")	BSP REDUCING BUSH 150LB G316	0.05
FPTBU025008NBG316150BSP	G316	025NB x 008NB (1" x 1/4")	BSP REDUCING BUSH 150LB G316	0.15
FPTBU025010NBG316150BSP	G316	025NB x 010NB (1" x 3/8")	BSP REDUCING BUSH 150LB G316	0.15
FPTBU025015NBG316150BSP	G316	025NB x 015NB (1" x 1/2")	BSP REDUCING BUSH 150LB G316	0.15
FPTBU025020NBG316150BSP	G316	025NB x 020NB (1" x 3/4")	BSP REDUCING BUSH 150LB G316	0.08
FPTBU032010NBG316150BSP	G316	032NB x 010NB (1-1/4" x 3/8")	BSP REDUCING BUSH 150LB G316	0.21
FPTBU032015NBG316150BSP	G316	032NB x 015NB (1-1/4" x 1/2")	BSP REDUCING BUSH 150LB G316	0.21
FPTBU032020NBG316150BSP	G316	032NB x 020NB (1-1/4" x 3/4")	BSP REDUCING BUSH 150LB G316	0.17
FPTBU032025NBG316150BSP	G316	032NB x 025NB (1-1/4" x 1")	BSP REDUCING BUSH 150LB G316	0.17
FPTBU040015NBG316150BSP	G316	040NB x 015NB (1-1/2" x 1/2")	BSP REDUCING BUSH 150LB G316	0.23
FPTBU040020NBG316150BSP	G316	040NB x 020NB (1-1/2" x 3/4")	BSP REDUCING BUSH 150LB G316	0.23
FPTBU040025NBG316150BSP	G316	040NB x 025NB (1-1/2" x 1")	BSP REDUCING BUSH 150LB G316	0.22
FPTBU040032NBG316150BSP	G316	040NB x 032NB (1-1/2" x 1-1/4")	BSP REDUCING BUSH 150LB G316	0.22
FPTBU050025NBG316150BSP	G316	050NB x 025NB (2" x 1")	BSP REDUCING BUSH 150LB G316	0.35
FPTBU050032NBG316150BSP	G316	050NB x 032NB (2" x 1-1/4")	BSP REDUCING BUSH 150LB G316	0.35
FPTBU050040NBG316150BSP	G316	050NB x 040NB (2" x 1-1/2")	BSP REDUCING BUSH 150LB G316	0.50
FPTBU065050NBG316150BSP	G316	065NB x 050NB (2-1/2" x 2")	BSP REDUCING BUSH 150LB G316	0.71
FPTBU080050NBG316150BSP	G316	080NB x 050NB (3" x 2")	BSP REDUCING BUSH 150LB G316	0.88
FPTBU080065NBG316150BSP	G316	080NB x 065NB (3" x 2-1/2")	BSP REDUCING BUSH 150LB G316	1.23
FPTBU100080NBG316150BSP	G316	100NB x 080NB (4" x 3")	BSP REDUCING BUSH 150LB G316	2.17

Low Pressure 150LB BSP/NPT Threaded Fittings

3-Piece Union - BSP/NPT

Grades: 316
Style: Female/Female

Threads: BSP/NPT Taper
Rating: 150LB
Unit of Supply: Each

FPTUN

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTUN006NBG316150BSP	G316	006NB (1/8")	BSP UNION 150LB G316	0.08
FPTUN008NBG316150BSP	G316	008NB (1/4")	BSP UNION 150LB G316	0.09
FPTUN010NBG316150BSP	G316	010NB (3/8")	BSP UNION 150LB G316	0.12
FPTUN015NBG316150BSP	G316	015NB (1/2")	BSP UNION 150LB G316	0.23
FPTUN020NBG316150BSP	G316	020NB (3/4")	BSP UNION 150LB G316	0.35
FPTUN025NBG316150BSP	G316	025NB (1")	BSP UNION 150LB G316	0.43
FPTUN032NBG316150BSP	G316	032NB (1-1/4")	BSP UNION 150LB G316	0.77
FPTUN040NBG316150BSP	G316	040NB (1-1/2")	BSP UNION 150LB G316	0.89
FPTUN050NBG316150BSP	G316	050NB (2")	BSP UNION 150LB G316	1.35
FPTUN065NBG316150BSP	G316	065NB (2-1/2")	BSP UNION 150LB G316	1.20
FPTUN080NBG316150BSP	G316	080NB (3")	BSP UNION 150LB G316	3.10
FPTUN100NBG316150BSP	G316	100NB (4")	BSP UNION 150LB G316	4.82
FPTUN015NBG316150NPT	G316L	015NB (1/2")	NPT UNION 150LB G316	0.17
FPTUN020NBG316150NPT	G316L	020NB (3/4")	NPT UNION 150LB G316	0.25
FPTUN025NBG316150NPT	G316L	025NB (1")	NPT UNION 150LB G316	0.40
FPTUN032NBG316150NPT	G316L	032NB (11/4")	NPT UNION 150LB G316	0.56
FPTUN040NBG316150NPT	G316L	040NB (11/2")	NPT UNION 150LB G316	0.71
FPTUN050NBG316150NPT	G316L	050NB (2")	NPT UNION 150LB G316	1.10

Hex Hose Tail - BSP

Grades: 316
Style: Male/Hose Tail

Threads: BSP Taper
Rating: 150LB
Unit of Supply: Each

FPTHT

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTHT008NBG316150BSP	G316	008NB (1/4")	BSP HOSE TAIL 150LB G316	0.03
FPTHT010NBG316150BSP	G316	010NB (3/8")	BSP HOSE TAIL 150LB G316	0.05
FPTHT015NBG316150BSP	G316	015NB (1/2")	BSP HOSE TAIL 150LB G316	0.08
FPTHT020NBG316150BSP	G316	020NB (3/4")	BSP HOSE TAIL 150LB G316	0.13
FPTHT025NBG316150BSP	G316	025NB (1")	BSP HOSE TAIL 150LB G316	0.21
FPTHT032NBG316150BSP	G316	032NB (1-1/4")	BSP HOSE TAIL 150LB G316	0.26
FPTHT040NBG316150BSP	G316	040NB (1-1/2")	BSP HOSE TAIL 150LB G316	0.35
FPTHT050NBG316150BSP	G316	050NB (2")	BSP HOSE TAIL 150LB G316	0.58
FPTHT065NBG316150BSP	G316	065NB (2-1/2")	BSP HOSE TAIL 150LB G316	0.77
FPTHT080NBG316150BSP	G316	080NB (3")	BSP HOSE TAIL 150LB G316	0.89

Low Pressure 150LB BSP/NPT Threaded Fittings

Weld Nipple Male Adapter - BSP

Grades: 316
Style: Male RJT

Threads: BSP Taper
Rating: 150LB
Unit of Supply: Each

FPTWNM

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTWNM025NBG316150BSP	G316	025NB (1")	BSP WELD NIPPLE MALE PART ADAPTOR 150LB G316 (4F)	0.28
FPTWNM040NBG316150BSP	G316	040NB (1-1/2")	BSP WELD NIPPLE MALE PART ADAPTOR 150LB G316 (4F)	0.63
FPTWNM050NBG316150BSP	G316	050NB (2")	BSP WELD NIPPLE MALE PART ADAPTOR 150LB G316 (4F)	0.86
FPTWNM065NBG316150BSP	G316	065NB (2-1/2")	BSP WELD NIPPLE MALE PART ADAPTOR 150LB G316 (4F)	1.01
FPTWNM080NBG316150BSP	G316	080NB (3")	BSP WELD NIPPLE MALE PART ADAPTOR 150LB G316 (4F)	1.09
FPTWNM100NBG316150BSP	G316	100NB (4")	BSP WELD NIPPLE MALE PART ADAPTOR 150LB G316 (4F)	1.37

Weld Nipple Hex Nut Adapter - BSP

Grades: 316
Style: Hex Nut RJT

Threads: BSP Taper
Rating: 150LB
Unit of Supply: Each

FPTWNH

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTWNH025NBG3161S0BSP	G316	025NB (1")	BSP WELD NIPPLE HEX NUT ADAPTOR 150LB G316 (4F)	0.41
FPTWNH040NBG316150BSP	G316	040NB (1-1/2")	BSP WELD NIPPLE HEX NUT ADAPTOR 150LB G316 (4F)	1.07
FPTWNH050NBG316150BSP	G316	050NB (2")	BSP WELD NIPPLE HEX NUT ADAPTOR 150LB G316 (4F)	1.27
FPTWNH065NBG316150BSP	G316	065NB (2-1/2")	BSP WELD NIPPLE HEX NUT ADAPTOR 150LB G316 (4F)	1.43
FPTWNH080NBG316150BSP	G316	080NB (3")	BSP WELD NIPPLE HEX NUT ADAPTOR 150LB G316 (4F)	1.86
FPTWNH100NBG316150BSP	G316	100NB (4")	BSP WELD NIPPLE HEX NUT ADAPTOR 150LB G316 (4F)	2.00

Weld Nipple Tri-ferrule Adapter - BSP

Grades: 316
Style: Tri Ferrule

Threads: BSP Taper
Rating: 150LB
Unit of Supply: Each

FPTWNF

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTWNF025NBG316150BSP	G316	025NB (1")	BSP WELD NIPPLE TRI-FERRULE ADAPTOR 150LB G316 (4F)	0.24
FPTWNF032NBG316150BSP	G316	032NB (1-1/4")	BSP WELD NIPPLE TRI-FERRULE ADAPTOR 150LB G316 (4F)	0.35
FPTWNF040NBG316150BSP	G316	040NB (1-1/2")	BSP WELD NIPPLE TRI-FERRULE ADAPTOR 150LB G316 (4F)	0.55
FPTWNF050NBG316150BSP	G316	050NB (2")	BSP WELD NIPPLE TRI-FERRULE ADAPTOR 150LB G316 (4F)	0.72
FPTWNF065NBG316150BSP	G316	065NB (2-1/2")	BSP WELD NIPPLE TRI-FERRULE ADAPTOR 150LB G316 (4F)	0.83
FPTWNF080NBG316150BSP	G316	080NB (3")	BSP WELD NIPPLE TRI-FERRULE ADAPTOR 150LB G316 (4F)	0.90
FPTWNF100NBG316150BSP	G316	100NB (4")	BSP WELD NIPPLE TRI-FERRULE ADAPTOR 150LB G316 (4F)	1.20

Low Pressure 150LB BSP/NPT Threaded Fittings

Weld Nipple Tube Adapter - BSP

Grades: 316
Style: Male

Threads: BSP Taper
Rating: 150LB
Unit of Supply: Each

FPTWNA

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTWNA020NBG316150BSP	G316	020NB (3/4")	BSP WELD NIPPLE TUBE ADAPTOR 150LB G316 (4F)	0.15
FPTWNA025NBG316150BSP	G316	025NB (1")	BSP WELD NIPPLE TUBE ADAPTOR 150LB G316 (4F)	0.20
FPTWNA032NBG316150BSP	G316	032NB (1-1/4")	BSP WELD NIPPLE TUBE ADAPTOR 150LB G316 (4F)	0.30
FPTWNM040NBG316150BSP	G316	040NB (1-1/2")	BSP WELD NIPPLE TUBE ADAPTOR 150LB G316 (4F)	0.50
FPTWNM050NBG316150BSP	G316	050NB (2")	BSP WELD NIPPLE TUBE ADAPTOR 150LB G316 (4F)	0.70
FPTWNM065NBG316150BSP	G316	065NB (2-1/2")	BSP WELD NIPPLE TUBE ADAPTOR 150LB G316 (4F)	0.80
FPTWNM080NBG316150BSP	G316	080NB (3")	BSP WELD NIPPLE TUBE ADAPTOR 150LB G316 (4F)	0.80
FPTWNM100NBG316150BSP	G316	100NB (4")	BSP WELD NIPPLE TUBE ADAPTOR 150LB G316 (4F)	1.00

High Pressure 3000LB / 6000LB Fittings

Threaded BSP/NPT* and Socket Weld

ASTM A182 3000LB / ASME B16.11 6000LB / BS 3799 / BS 2

Fittings: BSP or NPT threaded, socket weld, forged according ASTM A / ASME SA182, F304/L and F316/L (dual marked and certified), ASME B16.11 (Unions acc. MSS SP-83, Outlets acc. MSS SP-97) white pickled, hardness to NACE MR0175 / ISO 15156, IC to ASTM A262E and PMI tested. With certificate to EN10204/3.1

* Limited range of NPT stocked in NZ.

FPTEF
90° Elbow (F/F)

FPTES
90° Street Elbow (M/F)

FPTTE
Tee (F/F)

FPTRN
Reducing Nipple

FPTCO
Full Coupling

FPTCH
Half Coupling

FPTCR
Reducing Coupling

FPTHP
Hex Male Plug

FPTUN
Union

FPTBU
Hex Reducing Bush

FPTHN
Hex Nipple

FPWO
Butt Weld Outlet

FPTTO
Threaded Outlet

FPSO
Socket Weld Outlet

FPSE
Socket Weld 90° Elbow

FPSE
Socket Weld 45° Elbow

FPSTE
Socket Weld Tee

FPSCO
Socket Weld Coupling

FPSUN
Socket Weld Union

Threaded Fittings BSP/NPT

ASTM A182 3000LB / ASME B16.11 6000LB /BS 3799
Material: ASTM 316 / G316L
Taper threads.

90° Elbow (F/F)

Grades: 304L, 316L
Style: Female/Female

Threads: BSP, NPT Taper
Rating: 3000LB
Unit of Supply: Each

FPTEF

Product Code	Grade	Thread Type	Product Size (mm)	Description	Weight ea (kg)
FPTEF015NB90DG316LF3000BSP	G316L	BSP	015NB (1/2")	BSP ELBOW 90DEG F/F 3000LB G316L	0.40
FPTEF020NB90DG316LF3000BSP	G316L	BSP	020NB (3/4")	BSP ELBOW 90DEG F/F 3000LB G316L	0.63
FPTEF025NB90DG316LF3000BSP	G316L	BSP	025NB (1")	BSP ELBOW 90DEG F/F 3000LB G316L	1.10
FPTEF040NB90DG316LF3000BSP	G316L	BSP	040NB (1-1/2")	BSP ELBOW 90DEG F/F 3000LB G316L	2.35
FPTEF050NB90DG316LF3000BSP	G316L	BSP	050NB (2")	BSP ELBOW 90DEG F/F 3000LB G316L	3.30
FPTEF008NB90DG316LF3000NPT	G316L	NPT	008NB (1/4")	NPT ELBOW 90DEG F/F 3000LB G316L	0.14
FPTEF010NB90DG316LF3000NPT	G316L	NPT	010NB (3/8")	NPT ELBOW 90DEG F/F 3000LB G316L	0.27
FPTEF015NB90DG316LF3000NPT	G316L	NPT	015NB (1/2")	NPT ELBOW 90DEG F/F 3000LB G316L	0.40
FPTEF020NB90DG316LF3000NPT	G316L	NPT	020NB (3/4")	NPT ELBOW 90DEG F/F 3000LB G316L	0.63
FPTEF025NB90DG316LF3000NPT	G316L	NPT	025NB (1")	NPT ELBOW 90DEG F/F 3000LB G316L	1.10
FPTEF032NB90DG304F3000NPT	G304L	NPT	032NB (1-1/4")	NPT ELBOW 90DEG F/F 3000LB G304	1.22
FPTEF032NB90DG316LF3000NPT	G316L	NPT	032NB (1-1/4")	NPT ELBOW 90DEG F/F 3000LB G316L	1.22
FPTEF040NB90DG316LF3000NPT	G316L	NPT	040NB (1-1/2")	NPT ELBOW 90DEG F/F 3000LB G316L	2.35
FPTEF050NB90DG316LF3000NPT	G316L	NPT	050NB (2")	NPT ELBOW 90DEG F/F 3000LB G316L	3.30

90° Street Elbow (M/F)

Grades: 316L
Style: Male/Female

Threads: BSP Taper
Rating: 3000LB
Unit of Supply: Each

FPTES

Product Code	Grade	Thread Type	Product Size (mm)	Description	Weight ea (kg)
FPTES015NB90DG316LS3000BSP	G316L	BSP	015NB (1/2")	BSP STREET ELBOW 90DEG M/F 3000LB G316L	0.40
FPTES020NB90DG316LS3000BSP	G316L	BSP	020NB (3/4")	BSP STREET ELBOW 90DEG M/F 3000LB G316L	0.63

Threaded Fittings BSP/NPT

ASTM A182 3000LB / ASME B16.11 6000LB /BS 3799
Material: ASTM 316 / G316L

Tee

Grades: 316L
Style: Female/Female

Threads: BSP, NPT Taper
Rating: 3000LB
Unit of Supply: Each

FPTTE

Product Code	Grade	Thread Style	Product Size (mm)	Description	Weight ea (kg)
FPTTE015NBG316L3000BSP	G316L	BSP	015NB (1/2")	BSP TEE 3000LB G316L	0.52
FPTTE020NBG316L3000BSP	G316L	BSP	020NB (3/4")	BSP TEE 3000LB G316L	0.83
FPTTE025NBG316L3000BSP	G316L	BSP	025NB (1")	BSP TEE 3000LB G316L	1.38
FPTTE008NBG316L3000NPT	G316L	NPT	008NB (1/4")	NPT TEE 3000LB G316L	0.19
FPTTE010NBG316L3000NPT	G316L	NPT	010NB (3/8")	NPT TEE 3000LB G316L	0.39
FPTTE015NBG316L3000NPT	G316L	NPT	015NB (1/2")	NPT TEE 3000LB G316L	0.52
FPTTE020NBG316L3000NPT	G316L	NPT	020NB (3/4")	NPT TEE 3000LB G316L	0.83
FPTTE025NBG316L3000NPT	G316L	NPT	025NB (1")	NPT TEE 3000LB G316L	1.38
FPTTE032NBG316L3000NPT	G316L	NPT	032NB (1-1/4")	NPT TEE 3000LB G316L	1.66
FPTTE040NBG316L3000NPT	G316L	NPT	040NB (1-1/2")	NPT TEE 3000LB G316L	3.12
FPTTE050NBG316L3000NPT	G316L	NPT	050NB (2")	NPT TEE 3000LB G316L	4.00

Reducing Hex Nipple

Grades: 316L
Style: Male/Male

Threads: BSP, NPT Taper
Rating: 3000LB
Unit of Supply: Each

FPTRN

Product Code	Grade	Thread Style	Product Size (mm)	Description	Weight ea (kg)
FPTRN020015NBG316L3000BSP	G316L	BSP	020NB x 015NB (3/4" x 1/2")	BSP REDUCING HEX NIPPLE 3000LB G316L	0.15
FPTRN025015NBG316L3000BSP	G316L	BSP	025NB x 015NB (1" x 1/2")	BSP REDUCING HEX NIPPLE 3000LB G316L	0.27
FPTRN025020NBG316L3000BSP	G316L	BSP	025NB x 020NB (1" x 3/4")	BSP REDUCING HEX NIPPLE 3000LB G316L	0.27
FPTRN050025NBG316L3000BSP	G316L	BSP	050NB x 025NB (2" x 1")	BSP REDUCING HEX NIPPLE 3000LB G316L	1.00
FPTRN050040NBG316L3000BSP	G316L	BSP	050NB x 040NB (2" x 1-1/2")	BSP REDUCING HEX NIPPLE 3000LB G316L	1.00
FPTRN020015NBG316L3000NPT	G316L	NPT	020NB x 015NB (3/4" x 1/2")	NPT REDUCING HEX NIPPLE 3000LB G316L	0.12
FPTRN025020NBG316L3000NPT	G316L	NPT	025NB x 020NB (1" x 3/4")	NPT REDUCING HEX NIPPLE 3000LB G316L	0.17
FPTRN040025NBG316L3000NPT	G316L	NPT	040NB x 025NB (1-1/2" x 1")	NPT REDUCING HEX NIPPLE 3000LB G316L	0.34
FPTRN050040NBG316L3000NPT	G316L	NPT	050NB x 040NB (2" x 1-1/2")	NPT REDUCING HEX NIPPLE 3000LB G316L	0.55

Threaded Fittings BSP/NPT

ASTM A182 3000LB / ASME B16.11 6000LB /BS 3799
Material: ASTM 316 / G316L

Full Coupling

Grades: 316L
Style: Female/Female

Threads: BSP, NPT Taper
Rating: 3000LB
Unit of Supply: Each

FPTCO

Product Code	Grade	Thread Style	Product Size (mm)	Description	Weight ea (kg)
FPTCO008NBG316L3000BSP	G316L	BSP	008NB (1/4")	BSP FULL COUPLING 3000LB G316L	0.05
FPTCO010NBG316L3000BSP	G316L	BSP	010NB (3/8")	BSP FULL COUPLING 3000LB G316L	0.06
FPTCO015NBG316L3000BSP	G316L	BSP	015NB (1/2")	BSP FULL COUPLING 3000LB G316L	0.14
FPTCO020NBG316L3000BSP	G316L	BSP	020NB (3/4")	BSP FULL COUPLING 3000LB G316L	0.20
FPTCO025NBG316L3000BSP	G316L	BSP	025NB (1")	BSP FULL COUPLING 3000LB G316L	0.40
FPTCO032NBG316L3000BSP	G316L	BSP	032NB (1-1/4")	BSP FULL COUPLING 3000LB G316L	0.80
FPTCO040NBG316L3000BSP	G316L	BSP	040NB (1-1/2")	BSP FULL COUPLING 3000LB G316L	1.02
FPTCO050NBG316L3000BSP	G316L	BSP	050NB (2")	BSP FULL COUPLING 3000LB G316L	1.90
FPTCO080NBG316L3000BSP	G316L	BSP	080NB (3")	BSP FULL COUPLING 3000LB G316L	1.90
FPTCO008NBG316L3000NPT	G316L	NPT	008NB (1/4")	NPT FULL COUPLING 3000LB G316L	0.05
FPTCO010NBG316L3000NPT	G316L	NPT	010NB (3/8")	NPT FULL COUPLING 3000LB G316L	0.06
FPTCO015NBG316L3000NPT	G316L	NPT	015NB (1/2")	NPT FULL COUPLING 3000LB G316L	0.14
FPTCO020NBG316L3000NPT	G316L	NPT	020NB (3/4")	NPT FULL COUPLING 3000LB G316L	0.20
FPTCO025NBG316L3000NPT	G316L	NPT	025NB (1")	NPT FULL COUPLING 3000LB G316L	0.40
FPTCO032NBG316L3000NPT	G316L	NPT	032NB (1-1/4")	NPT FULL COUPLING 3000LB G316L	0.70
FPTCO040NBG316L3000NPT	G316L	NPT	040NB (1-1/2")	NPT FULL COUPLING 3000LB G316L	1.03
FPTCO050NBG316L3000NPT	G316L	NPT	050NB (2")	NPT FULL COUPLING 3000LB G316L	1.90

Half Coupling

Grades: 316L
Style: Female/Female

Threads: NPT Taper
Rating: 3000LB
Unit of Supply: Each

FPTCH

Product Code	Grade	Thread Style	Product Size (mm)	Description	Weight ea (kg)
FPTCH008NBG316L3000NPT	G316L	NPT	008NB (1/4")	NPT HALF COUPLING 3000LB G316L	0.03
FPTCH010NBG316L3000NPT	G316L	NPT	010NB (3/8")	NPT HALF COUPLING 3000LB G316L	0.05
FPTCH015NBG316L3000NPT	G316L	NPT	015NB (1/2")	NPT HALF COUPLING 3000LB G316L	0.07
FPTCH020NBG316L3000NPT	G316L	NPT	020NB (3/4")	NPT HALF COUPLING 3000LB G316L	0.10
FPTCH025NBG316L3000NPT	G316L	NPT	025NB (1")	NPT HALF COUPLING 3000LB G316L	0.20
FPTCH032NBG316L3000NPT	G316L	NPT	032NB (1-1/4")	NPT HALF COUPLING 3000LB G316L	0.32
FPTCH040NBG316L3000NPT	G316L	NPT	040NB (1-1/2")	NPT HALF COUPLING 3000LB G316L	0.50
FPTCH050NBG316L3000NPT	G316L	NPT	050NB (2")	NPT HALF COUPLING 3000LB G316L	0.95

Threaded Fittings BSP/NPT

ASTM A182 3000LB / ASME B16.11 6000LB /BS 3799
Material: ASTM 316 / G316L

Reducing Coupling

Grades: 316L
Style: Female/Female

Threads: NPT Taper
Rating: 3000LB
Unit of Supply: Each

FPTCR

Product Code	Grade	Thread Style	Product Size (mm)	Description	Weight ea (kg)
FPTCR020015NBG316L3000NPT	G316L	NPT	020NB x 015NB (3/4" x 1/2")	NPT REDUCING COUPLING 3000LB G316L	0.20
FPTCR025020NBG316L3000NPT	G316L	NPT	025NB x 020NB (1" x 3/4")	NPT REDUCING COUPLING 3000LB G316L	0.40
FPTCR040025NBG316L3000NPT	G316L	NPT	040NB x 025NB (1-1/2" x 1")	NPT REDUCING COUPLING 3000LB G316L	1.00
FPTCR050040NBG316L3000NPT	G316L	NPT	050NB x 040NB (2" x 1-1/2")	NPT REDUCING COUPLING 3000LB G316L	1.90

Hex Plug

Grades: 316L
Style: Male

Threads: NPT Taper
Rating: 6000LB
Unit of Supply: Each

FPTHP

Product Code	Grade	Thread Style	Product Size (mm)	Description	Weight ea (kg)
FPTHP008NBG316L6000NPT	G316L	NPT	008NB (1/4")	NPT HEX PLUG 6000LB G316L	0.03
FPTHP010NBG316L6000NPT	G316L	NPT	010NB (3/8")	NPT HEX PLUG 6000LB G316L	0.05
FPTHP015NBG316L6000NPT	G316L	NPT	015NB (1/2")	NPT HEX PLUG 6000LB G316L	0.08
FPTHP020NBG316L6000NPT	G316L	NPT	020NB (3/4")	NPT HEX PLUG 6000LB G316L	0.15
FPTHP025NBG316L6000NPT	G316L	NPT	025NB (1")	NPT HEX PLUG 6000LB G316L	0.25
FPTHP032NBG316L6000NPT	G316L	NPT	032NB (1-1/4")	NPT HEX PLUG 6000LB G316L	0.50
FPTHP040NBG316L6000NPT	G316L	NPT	040NB (1-1/2")	NPT HEX PLUG 6000LB G316L	0.65
FPTHP050NBG316L6000NPT	G316L	NPT	050NB (2")	NPT HEX PLUG 6000LB G316L	1.10

Hex Reducing Bushes

Grades: 316L
Style: Male/Female

Threads: BSP, NPT Taper
Rating: 3000LB
Unit of Supply: Each

FPTBU

Product Code	Grade	Thread Style	Product Size (mm)	Description	Weight ea (kg)
FPTBU015008NBG316L3000BSP	G316L	BSP	015NB x 008NB (1/2" x 1/4")	BSP REDUCING BUSH 3000LB G316L	0.10
FPTBU020015NBG316L3000BSP	G316L	BSP	020NB x 015NB (3/4" x 1/2")	BSP REDUCING BUSH 3000LB G316L	0.10
FPTBU025015NBG316L3000BSP	G316L	BSP	025NB x 015NB (1" x 1/2")	BSP REDUCING BUSH 3000LB G316L	0.13
FPTBU025020NBG316L3000BSP	G316L	BSP	025NB x 020NB (1" x 3/4")	BSP REDUCING BUSH 3000LB G316L	0.14
FPTBU040025NBG316L3000BSP	G316L	BSP	040NB x 025NB (1-1/2" x 1")	BSP REDUCING BUSH 3000LB G316L	0.35
FPTBU050040NBG316L3000BSP	G316L	BSP	050NB x 040NB (2" x 1-1/2")	BSP REDUCING BUSH 3000LB G316L	0.60
FPTBU032025NBG316L3000NPT	G316L	NPT	032NB x 025NB (1-1/4" x 1")	NPT REDUCING BUSH 3000LB G316L	0.32
FPTBU040032NBG316L3000NPT	G316L	NPT	040NB x 032NB (1-1/2" x 1-1/4")	NPT REDUCING BUSH 3000LB G316L	0.35
FPTBU050025NBG316L3000NPT	G316L	NPT	050NB x 025NB (2" x 1")	NPT REDUCING BUSH 3000LB G316L	0.60

Threaded Fittings BSP/NPT

ASTM A182 3000LB / ASME B16.11 6000LB /BS 3799
Material: ASTM 316 / G316L

3-Piece Union

Grades: 316L
Style: Female/Female

Threads: BSP, NPT Taper
Rating: 3000LB
Unit of Supply: Each

FPTUN

Product Code	Grade	Thread Style	Product Size (mm)	Description	Weight ea (kg)
FPTUN015NBG316L3000BSP	G316L	BSP	015NB (1/2")	BSP UNION 3000LB G316L	0.40
FPTUN020NBG316L3000BSP	G316L	BSP	020NB (3/4")	BSP UNION 3000LB G316L	0.50
FPTUN025NBG316L3000BSP	G316L	BSP	025NB (1")	BSP UNION 3000LB G316L	0.70
FPTUN040NBG316L3000BSP	G316L	BSP	040NB (1-1/2")	BSP UNION 3000LB G316L	1.60
FPTUN050NBG316L3000BSP	G316L	BSP	050NB (2")	BSP UNION 3000LB G316L	2.50
FPTUN015NBG316L3000NPT	G316L	NPT	015NB (1/2")	NPT UNION 3000LB G316L	0.40
FPTUN020NBG316L3000NPT	G316L	NPT	020NB (3/4")	NPT UNION 3000LB G316L	0.50
FPTUN025NBG316L3000NPT	G316L	NPT	025NB (1")	NPT UNION 3000LB G316L	0.70
FPTUN032NBG316L3000NPT	G316L	NPT	032NB (1-1/4")	NPT UNION 3000LB G316L	1.45
FPTUN040NBG316L3000NPT	G316L	NPT	040NB (1-1/2")	NPT UNION 3000LB G316L	1.60
FPTUN050NBG316L3000NPT	G316L	NPT	050NB (2")	NPT UNION 3000LB G316L	2.50

Hex Equal Nipple

Grades: 316L
Style: Male/Male

Threads: BSP, NPT Taper
Rating: 3000LB
Unit of Supply: Each

FPTHN

Product Code	Grade	Thread Style	Product Size (mm)	Description	Weight ea (kg)
FPTHN015NBG316L3000BSP	G316L	BSP	015NB (1/2")	BSP HEX NIPPLE 3000LB G316L	0.09
FPTHN020NBG316L3000BSP	G316L	BSP	020NB (3/4")	BSP HEX NIPPLE 3000LB G316L	0.12
FPTHN025NBG316L3000BSP	G316L	BSP	025NB (1")	BSP HEX NIPPLE 3000LB G316L	0.17
FPTHN040NBG316L3000BSP	G316L	BSP	040NB (1-1/2")	BSP HEX NIPPLE 3000LB G316L	0.34
FPTHN050NBG316L3000BSP	G316L	BSP	050NB (2")	BSP HEX NIPPLE 3000LB G316L	0.55
FPTHN010NBG316L3000NPT	G316L	NPT	010NB (3/8")	NPT HEX NIPPLE 3000LB G316L	0.06
FPTHN015NBG316L3000NPT	G316L	NPT	015NB (1/2")	NPT HEX NIPPLE 3000LB G316L	0.09
FPTHN020NBG316L3000NPT	G316L	NPT	020NB (3/4")	NPT HEX NIPPLE 3000LB G316L	0.12
FPTHN025NBG316L3000NPT	G316L	NPT	025NB (1")	NPT HEX NIPPLE 3000LB G316L	0.17
FPTHN032NBG316L3000NPT	G316L	NPT	032NB (1-1/4")	NPT HEX NIPPLE 3000LB G316L	0.29
FPTHN040NBG316L3000NPT	G316L	NPT	040NB (1-1/2")	NPT HEX NIPPLE 3000LB G316L	0.34
FPTHN050NBG316L3000NPT	G316L	NPT	050NB (2")	NPT HEX NIPPLE 3000LB G316L	0.55

Outlets BSP, NPT, BW, SW

ASTM A182 3000LB / ASME B16.11 6000LB /BS 3799
Material: ASTM 316 / G316L

Threaded Outlet

Grades: 316L
Style: Female

Threads: BSP, NPT Taper
Rating: 3000LB
Unit of Supply: Each

FPTTO

Product Code	Grade	Thread Style	Product Size (mm)	Description	Weight ea (kg)
FPTTO015NBG316L3000BSP	G316L	BSP	015NB (1/2")	BSP THREADOLET 3000LB G316L	0.13
FPTTO020NBG316L3000BSP	G316L	BSP	020NB (3/4")	BSP THREADOLET 3000LB G316L	0.19
FPTTO025NBG316L3000BSP	G316L	BSP	025NB (1")	BSP THREADOLET 3000LB G316L	0.36
FPTTO040NBG316L3000BSP	G316L	BSP	040NB (1-1/2")	BSP THREADOLET 3000LB G316L	0.66
FPTTO050NBG316L3000BSP	G316L	BSP	050NB (2")	BSP THREADOLET 3000LB G316L	0.98
FPTTO015NBG316L3000NPT	G316L	NPT	015NB (1/2")	NPT THREADOLET 3000LB G316L	0.12
FPTTO020NBG316L3000NPT	G316L	NPT	020NB (3/4")	NPT THREADOLET 3000LB G316L	0.24
FPTTO025NBG316L3000NPT	G316L	NPT	025NB (1")	NPT THREADOLET 3000LB G316L	0.38
FPTTO032NBG316L3000NPT	G316L	NPT	032NB (1-1/4")	NPT THREADOLET 3000LB G316L	0.54
FPTTO040NBG316L3000NPT	G316L	NPT	040NB (1-1/2")	NPT THREADOLET 3000LB G316L	0.66
FPTTO050NBG316L3000NPT	G316L	NPT	050NB (2")	NPT THREADOLET 3000LB G316L	0.95

Butt Weld Outlet

Grades: 316L
Style: Welding outlet - butt weld

Rating: 3000LB
Unit of Supply: Each

FPWO

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPWO015NBS40G316L	G316L	015NB SCH40 (1/2")	BUTTWELD WELDOLET G316L	0.10
FPWO020NBS40G316L	G316L	020NB SCH40 (3/4")	BUTTWELD WELDOLET G316L	0.20
FPWO025NBS40G316L	G316L	025NB SCH40 (1")	BUTTWELD WELDOLET G316L	0.25
FPWO032NBS40G316L	G316L	032NB SCH40 (1-1/4")	BUTTWELD WELDOLET G316L	0.40
FPWO040NBS40G316L	G316L	040NB SCH40 (1-1/2")	BUTTWELD WELDOLET G316L	0.46
FPWO050NBS40G316L	G316L	050NB SCH40 (2")	BUTTWELD WELDOLET G316L	0.75

Socket Weld Outlet

Grades: 316L
Style: Welding outlet - socket weld

Rating: 3000 LB
Unit of Supply: Each

FPSO

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPSO015NBG316L3000	G316L	015NB (1/2")	SOCKET WELD OUTLET 3000LB G316L	0.13
FPSO020NBG316L3000	G316L	020NB (3/4")	SOCKET WELD OUTLET 3000LB G316L	0.24
FPSO025NBG316L3000	G316L	025NB (1")	SOCKET WELD OUTLET 3000LB G316L	0.37
FPSO040NBG316L3000	G316L	040NB (1-1/2")	SOCKET WELD OUTLET 3000LB G316L	0.65
FPSO050NBG316L3000	G316L	050NB (2")	SOCKET WELD OUTLET 3000LB G316L	1.02

Other grades and sizes available on request ex. mill stock or production. (e.g. nipple, sweep, 90° elbow and 45° lateral outlets)

Socket Weld Fittings

ASTM A182 3000LB / ASME B16.11 6000LB /BS 3799
Material: ASTM 316 / G316L

Socket Weld 45° Elbow

Grades: 316L
Style: Female/Female

Rating: 3000LB
Unit of Supply: Each

FPSE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPSE015NB45G316L3000	G316L	015NB (1/2")	SOCKET WELD ELBOW 45DEG 3000LB G316L	0.18
FPSE020NB45G316L3000	G316L	020NB (3/4")	SOCKET WELD ELBOW 45DEG 3000LB G316L	0.30
FPSE025NB45G316L3000	G316L	025NB (1")	SOCKET WELD ELBOW 45DEG 3000LB G316L	0.45

Socket Weld 90° Elbow

Grades: 316L
Style: Female/Female

Rating: 3000LB
Unit of Supply: Each

FPSE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPSE008NB90G316L3000	G316L	008NB (1/4")	SOCKET WELD ELBOW 90DEG 3000LB G316L	0.09
FPSE010NB90G316L3000	G316L	010NB (3/8")	SOCKET WELD ELBOW 90DEG 3000LB G316L	0.13
FPSE015NB90G316L3000	G316L	015NB (1/2")	SOCKET WELD ELBOW 90DEG 3000LB G316L	0.25
FPSE020NB90G316L3000	G316L	020NB (3/4")	SOCKET WELD ELBOW 90DEG 3000LB G316L	0.32
FPSE025NB90G316L3000	G316L	025NB (1")	SOCKET WELD ELBOW 90DEG 3000LB G316L	0.52
FPSE032NB90G316L3000	G316L	032NB (1-1/4")	SOCKET WELD ELBOW 90DEG 3000LB G316L	0.86
FPSE040NB90G316L3000	G316L	040NB (1-1/2")	SOCKET WELD ELBOW 90DEG 3000LB G316L	1.12
FPSE050NB90G316L3000	G316L	050NB (2")	SOCKET WELD ELBOW 90DEG 3000LB G316L	1.80

Socket Weld Tee

Grades: 316L
Style: Female/Female

Rating: 3000LB
Unit of Supply: Each

FPSTE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPSTE008NBG316L3000	G316L	008NB (1/4")	SOCKET WELD TEE 3000LB G316L	0.11
FPSTE010NBG316L3000	G316L	010NB (3/8")	SOCKET WELD TEE 3000LB G316L	0.16
FPSTE015NBG316L3000	G316L	015NB (1/2")	SOCKET WELD TEE 3000LB G316L	0.34
FPSTE020NBG316L3000	G316L	020NB (3/4")	SOCKET WELD TEE 3000LB G316L	0.41
FPSTE025NBG316L3000	G316L	025NB (1")	SOCKET WELD TEE 3000LB G316L	0.65
FPSTE032NBG316L3000	G316L	032NB (1-1/4")	SOCKET WELD TEE 3000LB G316L	0.95
FPSTE040NBG316L3000	G316L	040NB (1-1/2")	SOCKET WELD TEE 3000LB G316L	1.33
FPSTE050NBG316L3000	G316L	050NB (2")	SOCKET WELD TEE 3000LB G316L	2.20

Socket Weld Fittings

ASTM A182 3000LB / ASME B16.11 6000LB /BS 3799
Material: ASTM 316 / G316L

Socket Weld Full Coupling

Grades: 316L
Style: Female/Female
Rating: 3000LB
Unit of Supply: Each

FPSCO

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPSCO008NBG316L3000	G316L	008NB (1/4")	SOCKET WELD COUPLING 3000LB G316L	0.05
FPSCO010NBG316L3000	G316L	010NB (3/8")	SOCKET WELD COUPLING 3000LB G316L	0.10
FPSCO015NBG316L3000	G316L	015NB (1/2")	SOCKET WELD COUPLING 3000LB G316L	0.14
FPSCO020NBG316L3000	G316L	020NB (3/4")	SOCKET WELD COUPLING 3000LB G316L	0.20
FPSCO025NBG316L3000	G316L	025NB (1")	SOCKET WELD COUPLING 3000LB G316L	0.30
FPSCO032NBG316L3000	G316L	032NB (1-1/4")	SOCKET WELD COUPLING 3000LB G316L	0.45
FPSCO040NBG316L3000	G316L	040NB (1-1/2")	SOCKET WELD COUPLING 3000LB G316L	0.60
FPSCO050NBG316L3000	G316L	050NB (2")	SOCKET WELD COUPLING 3000LB G316L	0.95

Socket Weld Union

Grades: 316L
Style: Female/Female
Rating: 3000LB
Unit of Supply: Each

FPSUN

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPSUN015NBG316L3000	G316L	015NB (1/2")	SOCKET WELD UNION 3000LB G316L	0.40
FPSUN020NBG316L3000	G316L	020NB (3/4")	SOCKET WELD UNION 3000LB G316L	0.45
FPSUN025NBG316L3000	G316L	025NB (1")	SOCKET WELD UNION 3000LB G316L	0.75
FPSUN032NBG316L3000	G316L	032NB (1-1/4")	SOCKET WELD UNION 3000LB G316L	1.30
FPSUN040NBG316L3000	G316L	040NB (1-1/2")	SOCKET WELD UNION 3000LB G316L	1.70
FPSUN050NBG316L3000	G316L	050NB (2")	SOCKET WELD UNION 3000LB G316L	3.00

ASTM Slip On 150 / 300LBS **FPFSO**

ASTM Blind 150 / 300 / 600LBS **FPFBL**

ASTM Weld Neck 150 / 300LBS **FPFWN**

ASTM Socket Weld 150 / 300LBS **FPFSW**

Table D / E Flanges (AS 2129) **FPFSO/BL**

PN 16 / 40 Flanges (EN 1092-1) **FPFSO**

Waterworks Flanges (AS 4087 / PN16) **FPFSO**

ANSI Forged Flanges

ASTM / AS Standards

Standard Grades according ASTM A / ASME SA182, F304/L and F316/L (dual marked and certified), ASME B16.5, annealed and fully machined, raised face with spiral serrated and smooth finish (125-250 RMS / 3.2-6.3 µm) to MSS SP-6, hardness to NACE MR0175, IC to ASTM A262E and PMI tested. With certificate to EN10204/3.1

Special Grades according ASTM A182, SAF2205 / F51, SAF2507 / F53, ASME B16.5, annealed and fully machined, raised face with spiral serrated and smooth finish (125-250 RMS / 3.2-6.3 µm) to MSS SP-6. Hardness to NACE MR0175, IC to ASTM A262E (G48A for SAF2507) and PMI tested. With certificate to EN10204/3.1

ANSI Forged Flanges
ASTM / AS Standards

Raised Face Slip On Flanges 150 / 300LB

Grades: 304L, 316L
Rating: 150, 300LB

FPFSO

Facing: Raised face, smooth finish : 125 - 250 RMS (3.2 - 6.3 µm)
Unit of Supply: Each
Certification: Acc. to ASTM A182 / ANSI B16.5

Product Code	Grade	Rating	Product Size (mm)	Description	Weight ea (kg)
FPFSO015NBG304L150	G304L	150	015NB (1/2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	0.39
FPFSO020NBG304L150	G304L	150	020NB (3/4")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	0.56
FPFSO025NBG304L150	G304L	150	025NB (1")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	0.78
FPFSO040NBG304L150	G304L	150	040NB (1-1/2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	1.32
FPFSO050NBG304L150	G304L	150	050NB (2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	2.06
FPFSO065NBG304L150	G304L	150	065NB (2-1/2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	3.28
FPFSO080NBG304L150	G304L	150	080NB (3")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	3.85
FPFSO100NBG304L150	G304L	150	100NB (4")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	5.30
FPFSO150NBG304L150	G304L	150	150NB (6")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	7.45
FPFSO200NBG304L150	G304L	150	200NB (8")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	12.10
FPFSO250NBG304L150	G304L	150	250NB (10")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	16.50
FPFSO300NBG304L150	G304L	150	300NB (12")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	26.20
FPFSO400NBG304L150	G304L	150	400NB (16")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	46.00
FPFSO015NBG316L150	G316L	150	015NB (1/2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	0.39
FPFSO020NBG316L150	G316L	150	020NB (3/4")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	0.56
FPFSO025NBG316L150	G316L	150	025NB (1")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	0.78
FPFSO032NBG316L150	G316L	150	032NB (1-1/4")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	1.03
FPFSO040NBG316L150	G316L	150	040NB (1-1/2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	1.32
FPFSO050NBG316L150	G316L	150	050NB (2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	2.06
FPFSO065NBG316L150	G316L	150	065NB (2-1/2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	3.28
FPFSO080NBG316L150	G316L	150	080NB (3")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	3.85
FPFSO100NBG316L150	G316L	150	100NB (4")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	5.30
FPFSO125NBG316L150	G316L	150	125NB (5")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	6.07
FPFSO150NBG316L150	G316L	150	150NB (6")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	7.45
FPFSO200NBG316L150	G316L	150	200NB (8")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	12.10
FPFSO250NBG316L150	G316L	150	250NB (10")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	16.50
FPFSO300NBG316L150	G316L	150	300NB (12")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	26.20
FPFSO350NBG316L150	G316L	150	350NB (14")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	36.00
FPFSO400NBG316L150	G316L	150	400NB (16")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	46.00
FPFSO450NBG316L150	G316L	150	450NB (18")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	48.90
FPFSO500NBG316L150	G316L	150	500NB (20")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	61.90
FPFSO600NBG316L150	G316L	150	600NB (24")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	86.90
FPFSO015NBG316L300	G316L	300	015NB (1/2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	0.64
FPFSO020NBG316L300	G316L	300	020NB (3/4")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	1.12
FPFSO025NBG316L300	G316L	300	025NB (1")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	1.36
FPFSO032NBG316L300	G316L	300	032NB (1-1/4")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	1.80
FPFSO040NBG316L300	G316L	300	040NB (1-1/2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	2.49
FPFSO050NBG316L300	G316L	300	050NB (2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	2.87
FPFSO065NBG316L300	G316L	300	065NB (2-1/2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	4.40
FPFSO080NBG316L300	G316L	300	080NB (3")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	5.85
FPFSO100NBG316L300	G316L	300	100NB (4")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	9.61
FPFSO150NBG316L300	G316L	300	150NB (6")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	15.60

ANSI Forged Flanges
ASTM / AS Standards

Raised Face Blind Flanges 150 / 300LB

Grades: 316L
Rating: 150, 300LB

FPFBL

Facing: Raised face, smooth finish : 125 - 250 RMS (3.2 - 6.3 µm)
Unit of Supply: Each
Certification: Acc. to ASTM A182 / ANSI B16.5

Product Code	Grade	Rating	Product Size (mm)	Description	Weight ea (kg)
FPFBL015NBG316L150	G316L	150	015NB (1/2")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	0.42
FPFBL020NBG316L150	G316L	150	020NB (3/4")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	0.61
FPFBL025NBG316L150	G316L	150	025NB (1")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	0.86
FPFBL032NBG316L150	G316L	150	032NB (1-1/4")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	1.30
FPFBL040NBG316L150	G316L	150	040NB (1-1/2")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	1.53
FPFBL050NBG316L150	G316L	150	050NB (2")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	2.42
FPFBL065NBG316L150	G316L	150	065NB (2-1/2")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	3.94
FPFBL080NBG316L150	G316L	150	080NB (3")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	4.10
FPFBL100NBG316L150	G316L	150	100NB (4")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	7.00
FPFBL150NBG316L150	G316L	150	150NB (6")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	11.30
FPFBL200NBG316L150	G316L	150	200NB (8")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	19.60
FPFBL250NBG316L150	G316L	150	250NB (10")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	28.80
FPFBL300NBG316L150	G316L	150	300NB (12")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	43.20
FPFBL350NBG316L150	G316L	150	350NB (14")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	59.00
FPFBL400NBG316L150	G316L	150	400NB (16")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	79.00
FPFBL025NBG316L300	G316L	300	025NB (1")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	1.39
FPFBL040NBG316L300	G316L	300	040NB (1-1/2")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	2.66
FPFBL050NBG316L300	G316L	300	050NB (2")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	3.18
FPFBL065NBG316L300	G316L	300	065NB (2-1/2")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	5.70
FPFBL080NBG316L300	G316L	300	080NB (3")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	6.81
FPFBL100NBG316L300	G316L	300	100NB (4")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	11.50
FPFBL150NBG316L300	G316L	300	150NB (6")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	20.90

ANSI Forged Flanges
ASTM / AS Standards

Weld Neck Flanges 150 / 300LB

Grades: 316L
Schedule: 10S, 40S

FPFWN

Rating: 150, 300LB
Facing: Raised face, smooth finish : 125 - 250 RMS (3.2 - 6.3 µm)
Unit of Supply: Each
Certification: Acc. to ASTM A182 / ANSI B16.5

Product Code	Grade	Rating	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPFWN025NBS10G316L150	G316L	150	10S	025NB SCH10 (1")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	1.01
FPFWN040NBS10G316L150	G316L	150	10S	040NB SCH10 (1-1/2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	1.72
FPFWN050NBS10G316L150	G316L	150	10S	050NB SCH10 (2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	2.58
FPFWN080NBS10G316L150	G316L	150	10S	080NB SCH10 (3")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	4.92
FPFWN100NBS10G316L150	G316L	150	10S	100NB SCH10 (4")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	6.84
FPFWN150NBS10G316L150	G316L	150	10S	150NB SCH10 (6")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	10.64
FPFWN200NBS10G316L150	G316L	150	10S	200NB SCH10 (8")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	18.32
FPFWN015NBS40G316L150	G316L	150	40S	015NB SCH40 (1/2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	0.58
FPFWN020NBS40G316L150	G316L	150	40S	020NB SCH40 (3/4")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	0.83
FPFWN025NBS40G316L150	G316L	150	40S	025NB SCH40 (1")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	1.23
FPFWN032NBS40G316L150	G316L	150	40S	032NB SCH40 (1-1/4")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	1.33
FPFWN040NBS40G316L150	G316L	150	40S	040NB SCH40 (1-1/2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	1.98
FPFWN050NBS40G316L150	G316L	150	40S	050NB SCH40 (2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	2.80
FPFWN065NBS40G316L150	G316L	150	40S	065NB SCH40 (2-1/2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	4.52
FPFWN080NBS40G316L150	G316L	150	40S	080NB SCH40 (3")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	5.24
FPFWN100NBS40G316L150	G316L	150	40S	100NB SCH40 (4")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	7.30
FPFWN150NBS40G316L150	G316L	150	40S	150NB SCH40 (6")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	10.87
FPFWN200NBS40G316L150	G316L	150	40S	200NB SCH40 (8")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	18.18
FPFWN015NBS40G316L300	G316L	300	40S	015NB SCH40 (1/2")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	0.73
FPFWN020NBS40G316L300	G316L	300	40S	020NB SCH40 (3/4")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	1.24
FPFWN025NBS40G316L300	G316L	300	40S	025NB SCH40 (1")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	1.48
FPFWN032NBS40G316L300	G316L	300	40S	032NB SCH40 (1-1/4")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	2.03
FPFWN040NBS40G316L300	G316L	300	40S	040NB SCH40 (1-1/2")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	2.80
FPFWN050NBS40G316L300	G316L	300	40S	050NB SCH40 (2")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	3.21
FPFWN065NBS40G316L300	G316L	300	40S	065NB SCH40 (2-1/2")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	5.05
FPFWN080NBS40G316L300	G316L	300	40S	080NB SCH40 (3")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	6.70
FPFWN100NBS40G316L300	G316L	300	40S	100NB SCH40 (4")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	10.90
FPFWN150NBS40G316L300	G316L	300	40S	150NB SCH40 (6")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	18.90

Socket Weld Flanges 150LB

Grades: 316L
Schedule: 40S

FPFSW

Rating: 150LB
Facing: Raised face, smooth finish : 125 - 250 RMS (3.2 - 6.3 µm)
Unit of Supply: Each
Certification: Acc. to ASTM A182 / ANSI B16.5

Product Code	Grade	Rating	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPFSW015NBS40G316L150	G316L	150	40S	015NB SCH40 (1/2")	SOCKET WELD FLANGE G316L ANSI150 B16.5 A182	0.42
FPFSW020NBS40G316L150	G316L	150	40S	020NB SCH40 (3/4")	SOCKET WELD FLANGE G316L ANSI150 B16.5 A182	0.81
FPFSW025NBS40G316L150	G316L	150	40S	025NB SCH40 (1")	SOCKET WELD FLANGE G316L ANSI150 B16.5 A182	0.81
FPFSW040NBS40G316L150	G316L	150	40S	040NB SCH40 (1-1/2")	SOCKET WELD FLANGE G316L ANSI150 B16.5 A182	1.36
FPFSW050NBS40G316L150	G316L	150	40S	050NB SCH40 (2")	SOCKET WELD FLANGE G316L ANSI150 B16.5 A182	2.10

Table D / E Flanges
Acc. to AS 2129 2000

Flat Face Slip On Flanges Table D / E

Grades: 316L
Tables: D, E

FPFSO

Facing: Flat face, smooth finish
Unit of Supply: Each
Certification: Acc. to AS 2129 2000

Product Code	Grade	Table	Product Size (mm)	Description	Weight ea (kg)
FPFSO100NBG316LTD	G316L	D	100NB (4")	FFSO PIPE FLANGE G316L TABLE D AS2129	2.50
FPFSO150NBG316LTDPN16	G316L	D	150NB (6")	FFSO PIPE FLANGE G316L TABLE D AS2129 / PN16 AS4087	4.00
FPFSO200NBG316LTD	G316L	D	200NB (8")	FFSO PIPE FLANGE G316L TABLE D AS2129	5.00
FPFSO250NBG316LTD	G316L	D	250NB (10")	FFSO PIPE FLANGE G316L TABLE D AS2129	8.70
FPFSO300NBG316LTD	G316L	D	300NB (12")	FFSO PIPE FLANGE G316L TABLE D AS2129	11.30
FPFSO350NBG316LTD	G316L	D	350NB (14")	FFSO PIPE FLANGE G316L TABLE D AS2129	19.00
FPFSO400NBG316LTD	G316L	D	400NB (16")	FFSO PIPE FLANGE G316L TABLE D AS2129	22.30
FPFSO450NBG316LTD	G316L	D	450NB (18")	FFSO PIPE FLANGE G316L TABLE D AS2129	29.90
FPFSO500NBG316LTD	G316L	D	500NB (20")	FFSO PIPE FLANGE G316L TABLE D AS2129	40.40
FPFSO015NBG316LTE	G316L	E	015NB (1/2")	FFSO PIPE FLANGE G316L TABLE E AS2129	0.60
FPFSO020NBG316LTE	G316L	E	020NB (3/4")	FFSO PIPE FLANGE G316L TABLE E AS2129	0.70
FPFSO025NBG316LTE	G316L	E	025NB (1")	FFSO PIPE FLANGE G316L TABLE E AS2129	0.90
FPFSO032NBG316LTE	G316L	E	032NB (1-1/4")	FFSO PIPE FLANGE G316L TABLE E AS2129	0.95
FPFSO040NBG316LTE	G316L	E	040NB (1-1/2")	FFSO PIPE FLANGE G316L TABLE E AS2129	1.20
FPFSO050NBG316LTEPN16	G316L	E	050NB (2")	FFSO PIPE FLANGE G316L TABLE E AS2129 / PN16 AS4087 (11mm)	1.40
FPFSO065NBG316LTEPN16	G316L	E	065NB (2-1/2")	FFSO PIPE FLANGE G316L TABLE E AS2129 / PN16 AS4087 (11mm)	1.60
FPFSO080NBG316LTEPN16	G316L	E	080NB (3")	FFSO PIPE FLANGE G316L TABLE E AS2129 / PN16 AS4087	2.00
FPFSO100NBG316LTE	G316L	E	100NB (4")	FFSO PIPE FLANGE G316L TABLE E AS2129	2.50
FPFSO125NBG316LTE	G316L	E	125NB (5")	FFSO PIPE FLANGE G316L TABLE E AS2129	3.70
FPFSO150NBG316LTE	G316L	E	150NB (6")	FFSO PIPE FLANGE G316L TABLE E AS2129	5.00
FPFSO200NBG316LTE	G316L	E	200NB (8")	FFSO PIPE FLANGE G316L TABLE E AS2129	7.10
FPFSO250NBG316LTE	G316L	E	250NB (10")	FFSO PIPE FLANGE G316L TABLE E AS2129	11.40
FPFSO300NBG316LTE	G316L	E	300NB (12")	FFSO PIPE FLANGE G316L TABLE E AS2129	15.10
FPFSO350NBG316LTE	G316L	E	350NB (14")	FFSO PIPE FLANGE G316L TABLE E AS2129	25.30
FPFSO400NBG316LTE	G316L	E	400NB (16")	FFSO PIPE FLANGE G316L TABLE E AS2129	31.30
FPFSO450NBG316LTE	G316L	E	450NB (18")	FFSO PIPE FLANGE G316L TABLE E AS2129	40.80
FPFSO500NBG316LTEPN16	G316L	E	500NB (20")	FFSO PIPE FLANGE G316L TABLE E AS2129 / PN16 AS4087	53.00
FPFSO600NBG316LTE	G316L	E	600NB (24")	FFSO PIPE FLANGE G316L TABLE E AS2129	85.00

Raised face, bossed and weldneck options available on request.

Table D / E / PN16 Flanges

Acc. to AS 2129 2000

Flat Face Blind Flanges Table D / E / PN16

Grades: 316L
Tables: D, E, PN16

FPFBL

Facing: Flat face, smooth finish
Unit of Supply: Each
Certification: Acc. to AS 2129 2000 / AS 4087

Product Code	Grade	Table	Product Size (mm)	Description	Weight ea (kg)
FPFBL025NBG316LTE	G316L	E	025NB (1")	FF BLIND FLANGE G316L TABLE E AS2129	0.95
FPFBL032NBG316LTE	G316L	E	032NB (1-1/4")	FF BLIND FLANGE G316L TABLE E AS2129	1.10
FPFBL040NBG316LTE	G316L	E	040NB (1-1/2")	FF BLIND FLANGE G316L TABLE E AS2129	1.40
FPFBL050NBG316LTEPN16	G316L	TE / PN16	050NB (2")	FF BLIND FLANGE G316L TE AS2129 / PN16 AS4087 (11mm)	1.70
FPFBL065NBG316LTEPN16	G316L	TE / PN16	065NB (2-1/2")	FF BLIND FLANGE G316L TE AS2129 / PN16 AS4087 (11mm)	2.10
FPFBL080NBG316LTEPN16	G316L	TE / PN16	080NB (3")	FF BLIND FLANGE G316L TE AS2129 / PN16 AS4087	2.70
FPFBL100NBG316LTD	G316L	D	100NB (4")	FF BLIND FLANGE G316L TABLE D AS2129	3.40
FPFBL100NBG316LTE	G316L	E	100NB (4")	FF BLIND FLANGE G316L TABLE E AS2129	3.60
FPFBL100NBG316LPN16	G316L	PN16	100NB (4")	FF BLIND FLANGE G316L PN16 AS4087	3.60
FPFBL125NBG316LTE	G316L	E	125NB (5")	FF BLIND FLANGE G316L TABLE E AS2129	5.50
FPFBL125NBG316LPN16	G316L	PN16	125NB (5")	FF BLIND FLANGE G316L PN16 AS4087	5.50
FPFBL150NBG316LTDPN16	G316L	TD / PN16	150NB (6")	FF BLIND FLANGE G316L TD AS2129 / PN16 AS4087	6.10
FPFBL150NBG316LTE	G316L	E	150NB (6")	FF BLIND FLANGE G316L TABLE E AS2129	8.30
FPFBL200NBG316LTD	G316L	D	200NB (8")	FF BLIND FLANGE G316L TABLE D AS2129	8.90
FPFBL200NBG316LTE	G316L	E	200NB (8")	FF BLIND FLANGE G316L TABLE E AS2129	12.90
FPFBL200NBG316LPN16	G316L	PN16	200NB (8")	FF BLIND FLANGE G316L PN16 AS4087	13.00
FPFBL250NBG316LTD	G316L	D	250NB (10")	FF BLIND FLANGE G316L TABLE D AS2129	16.00
FPFBL250NBG316LTE	G316L	E	250NB (10")	FF BLIND FLANGE G316L TABLE E AS2129	21.90
FPFBL250NBG316LPN16	G316L	PN16	250NB (10")	FF BLIND FLANGE G316L PN16 AS4087	19.00
FPFBL300NBG316LTD	G316L	D	300NB (12")	FF BLIND FLANGE G316L TABLE D AS2129	23.90
FPFBL300NBG316LTE	G316L	E	300NB (12")	FF BLIND FLANGE G316L TABLE E AS2129	31.80
FPFBL300NBG316LPN16	G316L	PN16	300NB (12")	FF BLIND FLANGE G316L PN16 AS4087	29.00
FPFBL350NBG316LTEPN16	G316L	TE / PN16	350NB (14")	FF BLIND FLANGE G316L TE AS2129 / PN16 AS4087 (30mm)	50.00
FPFBL400NBG316LTEPN16	G316L	TE / PN16	400NB (16")	FF BLIND FLANGE G316L TE AS2129 / PN16 AS4087 (32mm)	61.00
FPFBL450NBG316LTE	G316L	E	450NB (18")	FF BLIND FLANGE G316L TABLE E AS2129	86.80
FPFBL450NBG316LPN16	G316L	PN16	450NB (18")	FF BLIND FLANGE G316L PN16 AS4087	86.00
FPFBL500NBG316LTEPN16	G316L	E	500NB (20")	FF BLIND FLANGE G316L TABLE E AS2129 / PN16 AS4087	115.00
FPFBL600NBG316LTE	G316L	E	600NB (24")	FF BLIND FLANGE G316L TABLE E AS2129	199.00
FPFBL600NBG316LPN16	G316L	PN16	600NB (24")	FF BLIND FLANGE G316L PN16 AS4087	199.00

Raised face, bossed and weldneck options available on request.

PN16 / PN40 Flanges (EN 1092-1)

Acc. to EN 1092-1 (Type 1B), ASTM A182 G316L

Raised Face Slip On Flanges PN 10 / 16 / 40

Grades: 316L
Types: PN16, PN40

FPFSO

Facing: Raised face, smooth finish
Unit of Supply: Each
Certification: Acc. to EN 1092-1 (Type 1B)

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FPFSO065NBG316LPN16	G316L	PN16	065NB (2-1/2")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	3.20
FPFSO065NBG316LPN16+8H	G316L	PN16	065NB (2-1/2")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B 8 HOLE	3.20
FPFSO080NBG316LPN16	G316L	PN16	080NB (3")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	4.50
FPFSO100NBG316LPN16	G316L	PN16	100NB (4")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	4.40
FPFSO150NBG316LPN16	G316L	PN16	150NB (6")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	7.30
FPFSO200NBG316LPN16	G316L	PN16	200NB (8")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	10.00
FPFSO250NBG316LPN16	G316L	PN16	250NB (10")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	14.20
FPFSO300NBG316LPN16+EN	G316L	PN16	300 NB (12")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	22.90
FPFSO350NBG316LPN16+EN	G316L	PN16	350 NB (14")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	33.30
FPFSO400NBG316LPN16+EN	G316L	PN16	400 NB (16")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	41.70
FPFSO450NBG316LPN16+EN	G316L	PN16	450 NB (18")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	50.00
FPFSO500NBG316LPN16+EN	G316L	PN16	500 NB (20")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	65.20
FPFSO600NBG316LPN16+EN	G316L	PN16	600 NB (24")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	98.00
FPFSO015NBG316LPN40	G316L	PN40	015NB (1/2")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	0.80
FPFSO020NBG316LPN40	G316L	PN40	020NB (3/4")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	1.13
FPFSO025NBG316LPN40	G316L	PN40	025NB (1")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	1.35
FPFSO032NBG316LPN40	G316L	PN40	032NB (1-1/4")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	1.90
FPFSO040NBG316LPN40	G316L	PN40	040NB (1-1/2")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	2.15
FPFSO050NBG316LPN40	G316L	PN40	050NB (2")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	2.70
FPFSO065NBG316LPN40	G316L	PN40	065NB (2-1/2")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	3.90
FPFSO080NBG316LPN40	G316L	PN40	080NB (3")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	4.90
FPFSO100NBG316LPN40	G316L	PN40	100NB (4")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	5.40
FPFSO150NBG316LPN40	G316L	PN40	150NB (6")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	9.60

Note: EN1092-1 PN 10 / 16 / 40 flanges are identical up to and including 50 NB.

Waterworks Flanges (AS 4087)

Acc. to AS 4087:2001, ASTM A182 G316L

Flat Face Slip On Flanges PN 16

Grades: 316L
Type: PN 16

Facing: Flat face, smooth finish
Unit of Supply: Each
Certification: Acc. to AS 4087:2001

FPFSO

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FPFSO050NBG316LTEPN16	G316L	TE / PN16	050NB (2")	FFSO PIPE FLANGE G316L TE AS2129 / PN16 AS4087	0.95
FPFSO065NBG316LTEPN16	G316L	TE / PN16	065NB (2-1/2")	FFSO PIPE FLANGE G316L TE AS2129 / PN16 AS4087	1.11
FPFSO080NBG316LTEPN16	G316L	TE / PN16	080NB (3")	FFSO PIPE FLANGE G316L TE AS2129 / PN16 AS4087	1.36
FPFSO100NBG316LPN16+FF	G316L	PN16	100NB (4")	FFSO PIPE FLANGE G316L PN16 AS4087	2.15
FPFSO125NBG316LPN16	G316L	PN16	125NB (5")	FFSO PIPE FLANGE G316L PN16 AS4087	3.65
FPFSO150NBG316LTDPN16	G316L	TD / PN16	150NB (6")	FFSO PIPE FLANGE G316L TD AS2129 / PN16 AS4087	3.20
FPFSO200NBG316LPN16+FF	G316L	PN16	200NB (8")	FFSO PIPE FLANGE G316L PN16 AS4087	6.47
FPFSO250NBG316LPN16+FF	G316L	PN16	250NB (10")	FFSO PIPE FLANGE G316L PN16 AS4087	8.94
FPFSO300NBG316LPN16	G316L	PN16	300NB (12")	FFSO PIPE FLANGE G316L PN16 AS4087	12.04
FPFSO350NBG316LPN16	G316L	PN16	350NB (14")	FFSO PIPE FLANGE G316L PN16 AS4087	24.00
FPFSO400NBG316LPN16	G316L	PN16	400NB (16")	FFSO PIPE FLANGE G316L PN16 AS4087	27.65
FPFSO450NBG316LPN16	G316L	PN16	450NB (18")	FFSO PIPE FLANGE G316L PN16 AS4087	41.33
FPFSO500NBG316LTEPN16	G316L	TE / PN16	500NB (20")	FFSO PIPE FLANGE G316L TE AS2129 / PN16 AS4087	52.79
FPFSO600NBG316LPN16	G316L	PN16	600NB (24")	FFSO PIPE FLANGE G316L PN16 AS4087	85.77
FPFSO750NBG316LPN16	G316L	PN16	750NB (30")	FFSO PIPE FLANGE G316L PN16 AS4087	131.82

Note: Some sizes match AS 2129 TE/TD flanges
Flat Face and Raised Face options are both available (+RF).

Raised Face Slip On Flanges PN 16

Grades: 316L
Types: PN16

Facing: Raised face, smooth finish
Unit of Supply: Each
Certification: Acc. to AS 4087:2001

FPFSO(+RF end of code)

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FPFSO050NBG316LTEPN16+RF	316L	TE/ PN16	050NB (2")	RFSO PIPE FLANGE G316L TE AS 2129/PN16 AS 4087	0.95
FPFSO065NBG316LTEPN16+RF	316L	TE/ PN16	065NB (21/2")	RFSO PIPE FLANGE G316L TE AS 2129/PN16 AS 4087	1.11
FPFSO080NBG316LTEPN16+RF	316L	TE/PN16	080NB (3")	RFSO PIPE FLANGE G316L TE AS 2129/PN16 AS 4087	1.36
FPFSO100NBG316LPN16+RF	316L	PN16	100NB (4")	RFSO PIPE FLANGE G316L PN16 AS 4087	2.15
FPFSO125NBG316LTEPN+RF	316L	PN16	125NB (5")	RFSO PIPE FLANGE G316L PN16 AS 4087	3.65
FPFSO150NBG316LTDPN16+RF	316L	TD/PN16	150NB (6")	RFSO PIPE FLANGE G316L TD AS 2129/PN16 AS 4087	4.00
FPFSO200NBG316LPN16+RF	316L	PN16	200NB (8")	RFSO PIPE FLANGE G316L PN16 AS 4087	6.47
FPFSO250NBG316LPN16+RF	316L	PN16	250NB (10")	RFSO PIPE FLANGE G316L PN16 AS 4087	8.49
FPFSO300NBG316LPN16+RF	316L	PN16	300NB (12")	RFSO PIPE FLANGE G316L PN16 AS 4087	12.04
FPFSO350NBG316LPN16+RF	316L	PN16	350NB (14")	RFSO PIPE FLANGE G316L PN16 AS 4087	24.00
FPFSO400NBG316LPN16+RF	316L	PN16	400NB (16")	RFSO PIPE FLANGE G316L PN16 AS 4087	27.65
FPFSO450NBG316LPN16+RF	316L	PN16	450NB (18")	RFSO PIPE FLANGE G316L PN16 AS 4087	41.33
FPFSO500NBG316LTEPN16+RF	316L	TE/PN16	500NB (20")	RFSO PIPE FLANGE G316L TE AS 2129/PN16 AS 4087	52.79
FPFSO600NBG316LPN16+RF	316L	PN16	600NB (24")	RFSO PIPE FLANGE G316L PN16 AS 4087	85.77
FPFSO750NBG316LPN16+RF	316L	PN16	750NB (30")	RFSO PIPE FLANGE G316L PN16 AS 4087	131.82

Note: RFSO Flanges can be machined from Flat face flanges if required

Galvanised Back-up Pipe Flanges

Grades: Galvanised Steel
Type: 150 lb drill pattern (reduced "Tasman" thickness)

Facing: Flat face
Unit of Supply: Each

FPFBU

Product Code	Product Size (mm)	Description	Weight ea (kg)
FPFBU015NBGALA150	15NB (1/2")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	0.35
FPFBU020NBGALA150	20NB (3/4")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	0.42
FPFBU025NBGALA150	25NB (1")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	0.50
FPFBU032NBGALA150	32NB (1-1/4")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	0.56
FPFBU040NBGALA150	40NB (1-1/2")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	0.82
FPFBU050NBGALA150	50NB (2")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	1.15
FPFBU065NBGALA150	65NB (2-1/2")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	1.56
FPFBU080NBGALA150	80NB (3")	BACK UP PIPE FLANGE GALV 150LB LITE 12 MM	2.01
FPFBU100NBGALA150	100NB (4")	BACK UP PIPE FLANGE GALV 150LB LITE 12 MM	2.80
FPFBU125NBGALA150	125NB (5")	BACK UP PIPE FLANGE GALV 150LB LITE 16 MM	4.14
FPFBU150NBGALA150	150NB (6")	BACK UP PIPE FLANGE GALV 150LB LITE 16 MM	4.60
FPFBU200NBGALA150	200NB (8")	BACK UP PIPE FLANGE GALV 150LB LITE 20 MM	8.08
FPFBU250NBGALA150	250NB (10")	BACK UP PIPE FLANGE GALV 150LB LITE 20 MM	10.60
FPFBU300NBGALA150	300NB (12")	BACK UP PIPE FLANGE GALV 150LB LITE 25 MM	19.07
FPFBU350NBGALA150	350NB (14")	BACK UP PIPE FLANGE GALV 150LB LITE 32 MM	29.76
FPFBU400NBGALA150	400NB (16")	BACK UP PIPE FLANGE GALV 150LB LITE 32 MM	35.84
FPFBU450NBGALA150	450NB (18")	BACK UP PIPE FLANGE GALV 150LB LITE 32 MM	45.65
FPFBU500NBGALA150	500NB (20")	BACK UP PIPE FLANGE GALV 150LB LITE 40 MM	54.40

Flange Tables

1/2” - 15mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	95	47	5	67	4	M12	-	14
	E	95	47	6	67	4	M12	-	14
	F	95	47	10	67	4	M12	-	14
	H	115	57	13	83	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	88.9	35.1	11.2	60.5	4	-	1/2	15.7
	300	95.3	35.1	14.2	66.5	4	-	1/2	15.7
	600	95.3	35.1	14.2	66.5	4	-	1/2	15.7
	900	120.7	35.1	22.4	82.6	4	-	3/4	22.4
	1500	120.7	35.1	22.4	82.6	4	-	3/4	22.4
	2500	133.4	35.1	30.2	88.9	4	-	3/4	22.4
EN 1092-1 2007	PN6	80	40	12	55	4	M10	-	11
	PN10	95	45	14	65	4	M12	-	14
	PN16	95	45	14	65	4	M12	-	14
	PN40	95	45	14	65	4	M12	-	14

3/4” - 20mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	100	53	5	73	4	M12	-	14
	E	100	53	6	73	4	M12	-	14
	F	100	53	10	73	4	M12	-	14
	H	115	57	13	83	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	98.6	43	12.7	69.9	4	-	1/2	15.7
	300	117.3	43	15.7	82.6	4	-	5/8	19.1
	600	117.3	43	15.7	82.6	4	-	5/8	19.1
	900	130	43	25.4	88.9	4	-	3/4	22.4
	1500	130	43	25.4	88.9	4	-	3/4	22.4
	2500	139.7	43	31.8	95.3	4	-	3/4	22.4
EN 1092-1 2007	PN6	90	50	14	65	4	M10	-	11
	PN10	105	58	16	75	4	M12	-	14
	PN16	105	58	16	75	4	M12	-	14
	PN40	105	58	16	75	4	M12	-	14

1” - 25mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	115	65	5	83	4	M12	-	14
	E	115	63	7	83	4	M12	-	14
	F	120	63	10	87	4	M16	-	18
	H	120	64	14	87	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	108	50.8	14.2	79.2	4	-	1/2	15.7
	300	124	50.8	17.5	88.9	4	-	5/8	19.1
	600	124	50.8	17.5	88.9	4	-	5/8	19.1
	900	149.4	50.8	28.4	101.6	4	-	7/8	25.4
	1500	149.4	50.8	28.4	101.6	4	-	7/8	25.4
	2500	158.8	50.8	35.1	108	4	-	7/8	25.4
EN 1092-1 2007	PN6	100	60	14	75	4	M10	-	11
	PN10	115	68	16	85	4	M12	-	14
	PN16	115	68	16	85	4	M12	-	14
	PN40	115	68	16	85	4	M12	-	14

Flange Tables

1-1/4” - 32mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	120	67	6	87	4	M12	-	14
	E	120	67	8	87	4	M12	-	14
	F	135	74	13	98	4	M16	-	18
	H	135	76	17	98	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	117.3	63.5	15.7	88.9	4	-	1/2	15.7
	300	133.4	63.5	19.1	98.6	4	-	5/8	19.1
	600	133.4	63.5	20.6	98.6	4	-	5/8	19.1
	900	158.8	63.5	28.4	111.3	4	-	7/8	25.4
	1500	158.8	63.5	28.4	111.3	4	-	7/8	25.4
	2500	184.2	63.5	38.1	130	4	-	1	28.4
EN 1092-1 2007	PN6	120	70	16	90	4	M12	-	14
	PN10	140	78	18	100	4	M16	-	18
	PN16	140	78	18	100	4	M16	-	18
	PN40	140	78	18	100	4	M16	-	18

1-1/2” - 40mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	135	78	6	98	4	M12	-	14
	E	135	78	9	98	4	M12	-	14
	F	140	81	13	105	4	M16	-	18
	H	140	83	17	105	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	127	73.2	17.5	98.6	4	-	1/2	15.7
	300	155.4	73.2	20.6	114.3	4	-	3/4	22.4
	600	155.4	73.2	22.4	114.3	4	-	3/4	22.4
	900	177.8	73.2	31.8	124	4	-	1	28.4
	1500	177.8	73.2	31.8	124	4	-	1	28.4
	2500	203.2	73.2	44.5	146.1	4	-	1-1/8	31.8
EN 1092-1 2007	PN6	130	80	16	100	4	M12	-	14
	PN10	150	88	18	110	4	M16	-	18
	PN16	150	88	18	110	4	M16	-	18
	PN40	150	88	18	110	4	M16	-	18

2” - 50mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	150	90	11	114	4	M16	-	18
AS 2129:2000 (Table D to H)	D	150	90	8	114	4	M16	-	18
	E	150	90	10	114	4	M16	-	18
	F	165	103	16	127	4	M16	-	18
	H	165	102	19	127	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	152.4	91.9	19.1	120.7	4	-	5/8	19.1
	300	165.1	91.9	22.4	127	8	-	5/8	19.1
	600	165.1	91.9	25.4	127	8	-	5/8	19.1
	900	215.9	91.9	38.1	165.1	8	-	7/8	25.4
	1500	215.9	91.9	38.1	165.1	8	-	7/8	25.4
	2500	235	91.9	50.8	171.5	8	-	1	28.4
EN 1092-1 2007	PN6	140	90	16	110	4	M12	-	14
	PN10	165	102	20	125	4	M16	-	18
	PN16	165	102	20	125	4	M16	-	18
	PN40	165	102	20	125	4	M16	-	18

Flange Tables

2-1/2” - 65mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	165	103	11	127	4	M16	-	18
AS 2129:2000 (Table D to H)	D	165	103	8	127	4	M16	-	18
	E	165	103	10	127	4	M16	-	18
	F	185	122	16	146	8	M16	-	18
	H	185	114	19	146	8	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	177.8	104.6	22.4	139.7	4	-	5/8	19.1
	300	190.5	104.6	25.4	149.4	8	-	3/4	22.4
	600	190.5	104.6	28.4	149.4	8	-	3/4	22.4
	900	244.3	104.6	41.1	190.5	8	-	1	28.4
	1500	244.3	104.6	41.1	190.5	8	-	1	28.4
	2500	266.7	104.6	57.2	196.9	8	-	1-1/8	31.8
EN 1092-1 2007	PN6	160	110	16	130	4	M12	-	14
	PN10	185	122	20	145	8	M16	-	18
	PN16	185	122	20	145	8	M16	-	18
	PN40	185	122	22	145	8	M16	-	18

3” - 80mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	185	122	11	146	4	M16	-	18
AS 2129 TE / AS 4087	PN16	185	122	11	146	4	M16	-	18
AS 2129:2000 (Table D to H)	D	185	122	10	146	4	M16	-	18
	E	185	122	11	146	4	M16	-	18
	F	205	141	16	165	8	M16	-	18
	H	205	127	22	165	8	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	190.5	127	23.9	152.4	4	-	5/8	19.1
	300	209.6	127	28.4	168.1	8	-	3/4	22.4
	600	209.6	127	31.8	168.1	8	-	3/4	22.4
	900	241.3	127	38.1	190.5	8	-	7/8	25.4
	1500	266.7	127	47.8	203.2	8	-	1.1/8	31.8
	2500	304.8	127	66.5	228.6	8	-	1.1/4	35.1
EN 1092-1 2007	PN6	190	128	18	150	4	M16	-	18
	PN10	200	138	20	160	8	M16	-	18
	PN16	200	138	20	160	8	M16	-	18
	PN40	200	138	24	160	8	M16	-	18

3-1/2” - 90mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	205	141	10	165	4	M16	-	18
	E	205	141	12	165	8	M16	-	18
	F	215	154	19	178	8	M16	-	18
	H	215	140	22	178	8	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	215.9	139.7	23.9	177.8	8	-	5/8	19.1
	300	228.6	139.7	30.2	184.2	8	-	3/4	22.4
	600	228.6	139.7	35.1	184.2	8	-	7/8	25.4
	900	-	-	-	-	-	-	-	-
	1500	-	-	-	-	-	-	-	-
	2500	-	-	-	-	-	-	-	-
EN 1092-1 2007	PN6	-	-	-	-	-	-	-	-
	PN10	-	-	-	-	-	-	-	-
	PN16	-	-	-	-	-	-	-	-
	PN40	-	-	-	-	-	-	-	-

Flange Tables

4” - 100mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	215	154	13	178	4	M16	-	18
AS 2129:2000 (Table D to H)	D	215	154	10	178	4	M16	-	18
	E	215	154	13	178	8	M16	-	18
	F	230	167	19	191	8	M16	-	18
	H	230	152	25	191	8	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	228.6	157.2	23.9	190.5	8	-	5/8	19.1
	300	254	157.2	31.75	200.2	8	-	3/4	22.4
	600	273.1	157.2	38.1	215.9	8	-	7/8	25.4
	900	292.1	157.2	44.5	235	8	-	1-1/8	31.8
	1500	311.2	157.2	53.8	241.3	8	-	1-1/4	35.1
	2500	355.6	157.2	76.2	273.1	8	-	1-1/2	41.1
EN 1092-1 2007	PN6	210	148	18	170	4	M16	-	18
	PN10	220	158	22	180	8	M16	-	18
	PN16	220	158	22	180	8	M16	-	18
	PN40	235	162	26	190	8	M20	-	22

5” - 125mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	255	186	13	210	8	M16	-	18
AS 2129:2000 (Table D to H)	D	255	186	13	210	8	M16	-	18
	E	255	186	14	210	8	M16	-	18
	F	280	207	22	235	8	M20	-	22
	H	280	178	29	235	8	M20	-	22
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	254	185.7	23.9	215.9	8	-	3/4	22.4
	300	279.4	185.7	35.1	235	8	-	3/4	22.4
	600	330.2	185.7	44.5	266.7	8	-	1	28.4
	900	349.3	185.7	50.8	279.4	8	-	1-1/4	35.1
	1500	374.7	185.7	73.2	292.1	8	-	1-1/2	41.1
	2500	419.1	185.7	91.9	323.9	8	-	1-3/4	47.8
EN 1092-1 2007	PN6	240	178	20	200	8	M16	-	18
	PN10	250	188	22	210	8	M16	-	18
	PN16	250	188	22	210	8	M16	-	18
	PN40	270	188	28	220	8	M24	-	26

6” - 150mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	280	211	13	235	8	M16	-	18
AS 2129 TD / AS 4087	PN16	280	211	13	235	8	M16	-	18
AS 2129:2000 (Table D to H)	D	280	211	13	235	8	M16	-	18
	E	280	207	17	235	8	M20	-	22
	F	305	232	22	260	12	M20	-	22
	H	305	210	29	260	12	M20	-	22
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	279.4	215.9	25.4	241.3	8	-	3/4	22.4
	300	317.5	215.9	36.6	269.7	12	-	3/4	22.4
	600	355.6	215.9	47.8	292.1	12	-	1	28.4
	900	381	215.9	55.6	317.5	12	-	1-1/8	31.8
	1500	393.7	215.9	82.6	317.5	12	-	1-3/8	38.1
	2500	482.6	215.9	108	368.3	8	-	2	53.8
EN 1092-1 2007	PN6	265	202	20	225	8	M16	-	18
	PN10	285	212	24	240	8	M20	-	22
	PN16	285	212	24	240	8	M20	-	22
	PN40	300	218	30	250	8	M24	-	26

Flange Tables

8” - 200mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	335	268	19	292	8	M16	-	18
AS 2129:2000 (Table D to H)	D	335	268	13	292	8	M16	-	18
	E	335	264	19	292	8	M20	-	22
	F	370	296	25	324	12	M20	-	22
	H	370	260	32	324	12	M20	-	22
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	342.9	269.7	28.4	298.5	8	-	3/4	22.4
	300	381	269.7	41.1	330.2	12	-	7/8	25.4
	600	419.1	269.7	55.6	349.3	12	-	1-1/8	31.8
	900	469.9	269.7	63.5	393.7	12	-	1-3/8	38.1
	1500	482.6	269.7	91.9	393.7	12	-	1-5/8	44.5
	2500	552.5	269.7	127	438.2	12	-	2	53.8
EN 1092-1 2007	PN6	320	258	22	280	8	M16	-	18
	PN10	340	268	24	295	8	M20	-	22
	PN16	340	268	26	295	12	M20	-	22
	PN40	375	285	36	320	12	M27	-	30

10” - 250mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	405	328	19	356	8	M20	-	22
AS 2129:2000 (Table D to H)	D	405	328	16	356	8	M20	-	22
	E	405	328	22	356	12	M20	-	22
	F	430	349	29	381	12	M24	-	26
	H	430	311	35	381	12	M24	-	26
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	406.4	323.9	30.2	362	12	-	7/8	25.4
	300	444.5	323.9	47.8	387.4	16	-	1	28.4
	600	508	323.9	63.5	431.8	16	-	1-1/4	35.1
	900	546.1	323.9	69.9	469.9	16	-	1-3/8	38.1
	1500	584.2	323.9	108	482.6	12	-	1-7/8	50.8
	2500	673.1	323.9	165.1	539.8	12	-	2-1/2	66.5
EN 1092-1 2007	PN6	375	312	24	335	12	M16	-	18
	PN10	395	320	26	350	12	M20	-	22
	PN16	405	320	29	355	12	M24	-	26
	PN40	450	345	42	385	12	M30	-	33

12” - 300mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	455	378	23	406	12	M20	-	22
AS 2129:2000 (Table D to H)	D	455	378	19	406	12	M20	-	22
	E	455	374	25	406	12	M24	-	26
	F	490	406	32	438	16	M24	-	26
	H	490	362	41	438	16	M24	-	26
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	482.6	381	31.75	431.8	12	-	7/8	25.4
	300	520.7	381	50.8	450.9	16	-	1-1/8	31.8
	600	558.8	381	66.5	489	20	-	1-1/4	35.1
	900	609.6	381	79.2	533.4	20	-	1-3/8	38.1
	1500	673.1	381	124	571.5	16	-	2	53.8
	2500	762	381	184.2	619.3	12	-	2-3/4	73.2
EN 1092-1 2007	PN6	440	365	24	395	12	M20	-	22
	PN10	445	370	26	400	12	M20	-	22
	PN16	460	378	32	410	12	M24	-	26
	PN40	515	410	52	450	16	M30	-	33

Flange Tables

14” - 350mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	525	438	30	470	12	M24	-	26
AS 2129:2000 (Table D to H)	D	525	438	22	470	12	M24	-	26
	E	525	438	29	470	12	M24	-	26
	F	550	459	35	495	16	M27	-	30
	H	550	419	48	495	16	M27	-	30
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	533.4	412.8	35.1	476.3	12	-	1	28.4
	300	584.2	412.8	53.8	514.4	20	-	1-1/8	31.8
	600	603.3	412.8	69.9	527.1	20	-	1-3/8	38.1
	900	641.4	412.8	85.9	558.8	20	-	1-1/2	41.1
	1500	749.3	412.8	133.4	635	16	-	2.-1/4	60.5
	2500	-	-	-	-	-	-	-	-
EN 1092-1 2007	PN6	490	415	26	445	12	M20	-	22
	PN10	505	430	30	460	16	M20	-	22
	PN16	520	438	35	470	16	M24	-	26
	PN40	580	465	58	510	16	M33	-	36

16” - 400mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	580	489	30	521	12	M24	-	26
AS 2129:2000 (Table D to H)	D	580	489	22	521	12	M24	-	26
	E	580	489	32	521	12	M24	-	26
	F	610	516	41	552	20	M27	-	30
	H	610	483	54	552	20	M27	-	30
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	596.9	469.9	36.6	539.8	16	-	1	28.4
	300	647.7	469.9	57.2	571.5	20	-	1-1/4	35.1
	600	685.8	469.9	76.2	603.3	20	-	1-1/2	41.1
	900	704.9	469.9	88.9	616	20	-	1-5/8	44.5
	1500	825.5	469.9	146.1	704.9	16	-	2-1/2	66.5
	2500	-	-	-	-	-	-	-	-
EN 1092-1 2007	PN6	540	465	28	495	16	M20	-	22
	PN10	565	482	32	515	16	M24	-	26
	PN16	580	490	38	525	16	M27	-	30
	PN40	660	535	65	585	16	M36	-	39

18” - 450mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	640	552	30	584	12	M24	-	26
AS 2129:2000 (Table D to H)	D	640	532	25	584	12	M24	-	26
	E	640	552	35	584	16	M24	-	26
	F	675	571	44	610	20	M30	-	33
	H	675	533	60	610	20	M30	-	33
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	635	533.4	39.6	577.9	16	-	1-1/8	31.8
	300	711.2	533.4	60.5	628.7	24	-	1-1/4	35.1
	600	743	533.4	82.6	654.1	20	-	1-5/8	44.5
	900	787.4	533.4	101.6	685.8	20	-	1-7/8	50.8
	1500	914.4	533.4	162	774.7	16	-	2-3/4	73.2
	2500	-	-	-	-	-	-	-	-
EN 1092-1 2007	PN6	595	520	30	550	16	M20	-	22
	PN10	615	532	36	565	20	M24	-	26
	PN16	640	550	42	585	20	M27	-	30

Flange Tables

20” - 500mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	705	609	38	641	16	M24	-	26
AS 2129:2000 (Table D to H)	D	705	609	29	641	16	M24	-	26
	E	705	609	38	641	16	M24	-	26
	F	735	634	51	673	24	M30	-	33
	H	735	597	67	673	24	M30	-	33
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	698.5	584.2	42.9	635	20	-	1-1/8	31.8
	300	774.7	584.2	63.5	685.8	24	-	1-1/4	35.1
	600	812.8	584.2	88.9	723.9	24	-	1-5/8	44.5
	900	857.3	584.2	108	749.3	20	-	2	53.8
	1500	984.3	584.2	177.8	831.9	16	-	3	79.2
	2500	-	-	-	-	-	-	-	-
EN 1092-1 2007	PN6	645	570	30	600	20	M20	-	22
	PN10	670	585	38	620	20	M24	-	26
	PN16	715	610	46	650	20	M30	-	33

24” - 600mm

Flange Type Standard	Class Rating Table	Flange Dimensions Outside Diameter	Raised Face Diameter	Thickness	Bolt Data Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	825	720	48	756	16	M27	-	30
AS 2129:2000 (Table D to H)	D	825	720	32	756	16	M27	-	30
	E	825	717	48	756	16	M30	-	33
	F	850	739	57	781	24	M33	-	36
	H	850	699	76	781	24	M33	-	36
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	812.8	692.2	47.8	749.3	20	-	1-1/4	35.1
	300	914.4	692.2	69.9	812.8	24	-	1-1/2	41.2
	600	934.8	692.2	101.6	838.2	24	-	1-7/8	50.8
	900	1041.4	692.2	139.7	901.7	20	-	2.-1/2	66.5
	1500	1168.4	692.2	203.2	990.6	16	-	3-1/2	91.9
	2500	-	-	-	-	-	-	-	-
EN 1092-1 2007	PN6	755	670	32	705	20	M24	-	26
	PN10	780	685	42	725	20	M27	-	30
	PN16	840	725	55	770	20	M33	-	36

Notes

05/

Tube

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Welded Ornamental Tube

Types: Bright, Satin, Duplex
Grades: 304, 316, SAF 2205
Finishes: 320, 600 Grit

Unit of Supply: 6m lengths
Certification: Acc. to ASTM A554-10

Welded Ornamental Tube ASTM A554 G304 and G316L

- 320G polished "Satin/Brushed" finish
- 600G polished "Bright/Mirror" finish
- ASTM A554: For structural and ornamental purposes only (not suitable for hygienic, fluid transfer or pressure critical applications)
- Other options in size, grade or condition available on request

SAF 2205 Tubing, Welded, Annealed, Pickled (not polished) - ASTM A789 Bead Rolled

HTSW Bright 600G

Product Code	Grade	Finish	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSW012015G304P600BR+0600	G304	600G	12.70 x 1.5mm (1/2")	BRIGHT TUBE 600GRIT G304 ASTM A554	2.66	0.44
HTSW015015G304P600BR+0600	G304	600G	15.88 x 1.5mm (5/8")	BRIGHT TUBE 600GRIT G304 ASTM A554	3.42	0.57
HTSW019015G304P600BR+0600	G304	600G	19.05 x 1.5mm (3/4")	BRIGHT TUBE 600GRIT G304 ASTM A554	4.17	0.70
HTSW022015G304P600BR+0600	G304	600G	22.22 x 1.5mm (7/8")	BRIGHT TUBE 600GRIT G304 ASTM A554	4.93	0.82
HTSW025415G304P600BR+0600	G304	600G	25.40 x 1.5mm (1")	BRIGHT TUBE 600GRIT G304 ASTM A554	5.69	0.95
HTSW031815G304P600BR+0600	G304	600G	31.80 x 1.5mm (1-1/4")	BRIGHT TUBE 600GRIT G304 ASTM A554	7.20	1.20
HTSW038115G304P600BR+0600	G304	600G	38.10 x 1.5mm (1-1/2")	BRIGHT TUBE 600GRIT G304 ASTM A554	8.73	1.45
HTSW044515G304P600BR+0600	G304	600G	44.45 x 1.5mm (1-3/4")	BRIGHT TUBE 600GRIT G304 ASTM A554	10.25	1.71
HTSW044520G304P600BR+0600	G304	600G	44.45 x 2.0mm (1-3/4")	BRIGHT TUBE 600GRIT G304 ASTM A554	12.69	2.12
HTSW050815G304P600BR+0600	G304	600G	50.80 x 1.5mm (2")	BRIGHT TUBE 600GRIT G304 ASTM A554	11.77	1.96
HTSW050820G304P600BR+0600	G304	600G	50.80 x 2.0mm (2")	BRIGHT TUBE 600GRIT G304 ASTM A554	14.59	2.43
HTSW050830G304P600BR+0600	G304	600G	50.80 x 3.0mm (2")	BRIGHT TUBE 600GRIT G304 ASTM A554	22.80	3.80
HTSW063515G304P600BR+0600	G304	600G	63.50 x 1.5mm (2-1/2")	BRIGHT TUBE 600GRIT G304 ASTM A554	14.80	2.47
HTSW015915G316P600BR+0600	G316	600G	15.88 x 1.5mm (5/8")	BRIGHT TUBE 600GRIT G316 ASTM A554	3.42	0.57
HTSW019015G316P600BR+0600	G316	600G	19.05 x 1.5mm (3/4")	BRIGHT TUBE 600GRIT G316 ASTM A554	4.17	0.70
HTSW022215G316P600BR+0600	G316	600G	22.22 x 1.5mm (7/8")	BRIGHT TUBE 600GRIT G316 ASTM A554	4.92	0.82
HTSW025415G316P600BR+0600	G316	600G	25.40 x 1.5mm (1")	BRIGHT TUBE 600GRIT G316 ASTM A554	5.69	0.95
HTSW031815G316P600BR+0600	G316	600G	31.80 x 1.5mm (1-1/4")	BRIGHT TUBE 600GRIT G316 ASTM A554	7.21	1.20
HTSW038115G316P600BR+0600	G316	600G	38.10 x 1.5mm (1-1/2")	BRIGHT TUBE 600GRIT G316 ASTM A554	8.73	1.45
HTSW038120G316P600BR+0600	G316	600G	38.10 x 2.0mm (1-1/2")	BRIGHT TUBE 600GRIT G316 ASTM A554	10.50	1.75
HTSW038130G316P600BR+0600	G316	600G	38.10 x 3.0mm (1-1/2")	BRIGHT TUBE 600GRIT G316 ASTM A554	18.00	3.00
HTSW044515G316P600BR+0600	G316	600G	44.45 x 1.5mm (1-3/4")	BRIGHT TUBE 600GRIT G316 ASTM A554	10.24	1.71
HTSW050815G316P600BR+0600	G316	600G	50.80 x 1.5mm (2")	BRIGHT TUBE 600GRIT G316 ASTM A554	11.77	1.96
HTSW050820G316P600BR+0600	G316	600G	50.80 x 2.0mm (2")	BRIGHT TUBE 600GRIT G316 ASTM A554	14.59	2.43
HTSW050830G316P600BR+0600	G316	600G	50.80 x 3.0mm (2")	BRIGHT TUBE 600GRIT G316 ASTM A554	22.80	3.80
HTSW063515G316P600BR+0600	G316	600G	63.50 x 1.5mm (2-1/2")	BRIGHT TUBE 600GRIT G316 ASTM A554	14.82	2.47
HTSW076215G316P600BR+0600	G316	600G	76.20 x 1.5mm (3")	BRIGHT TUBE 600GRIT G316 ASTM A554	17.82	2.97
HTSW101615G316P600BR+0600	G316	600G	101.6 x 1.5mm (4")	BRIGHT TUBE 600GRIT G316 ASTM A554	23.94	3.99
HTSW10162G316P600BR+0600	G316	600G	101.6 x 2.0mm (4")	BRIGHT TUBE 600GRIT G316 ASTM A554	29.96	4.99
HTSW152420G316P600BR+0600	G316	600G	152.4 x 2.0mm (6")	BRIGHT TUBE 600GRIT G316 ASTM A554	45.12	7.52

Welded Ornamental Tube

Types: Bright, Satin, Duplex
Grades: 304, 316, SAF 2205
Finishes: 320 Grit

Unit of Supply: 6m lengths
Certification: Acc. to ASTM A554-10

HTSW Satin 320G

Product Code	Grade	Finish	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSW012709G304P320+0600	G304	320G	12.70 x 0.9mm (1/2")	SATIN TUBE 320GRIT G304 ASTM A554	1.59	0.27
HTSW012015G304P320+0600	G304	320G	12.70 x 1.5mm (1/2")	SATIN TUBE 320GRIT G304 ASTM A554	2.64	0.44
HTSW015915G304P320+0600	G304	320G	15.88 x 1.5mm (5/8")	SATIN TUBE 320GRIT G304 ASTM A554	3.42	0.57
HTSW019015G304P320+0600	G304	320G	19.05 x 1.5mm (3/4")	SATIN TUBE 320GRIT G304 ASTM A554	4.20	0.70
HTSW022215G304P320+0600	G304	320G	22.22 x 1.5mm (7/8")	SATIN TUBE 320GRIT G304 ASTM A554	4.92	0.82
HTSW025415G304P320+0600	G304	320G	25.40 x 1.5mm (1")	SATIN TUBE 320GRIT G304 ASTM A554	5.70	0.95
HTSW031812G304P320+0600	G304	320G	31.80 x 1.20mm (1-1/4")	SATIN TUBE 320GRIT G304 ASTM A554	4.73	0.79
HTSW031815G304P320+0600	G304	320G	31.80 x 1.5mm (1-1/4")	SATIN TUBE 320GRIT G304 ASTM A554	7.26	1.20
HTSW038115G304P320+0600	G304	320G	38.10 x 1.5mm (1-1/2")	SATIN TUBE 320GRIT G304 ASTM A554	8.70	1.50
HTSW038120G304P320+0600	G304	320G	38.10 x 2.0mm (1-1/2")	SATIN TUBE 320GRIT G304 ASTM A554	10.50	1.75
HTSW044515G304P320+0600	G304	320G	44.45 x 1.5mm (1-3/4")	SATIN TUBE 320GRIT G304 ASTM A554	10.26	1.71
HTSW050815G304P320+0600	G304	320G	50.80 x 1.5mm (2")	SATIN TUBE 320GRIT G304 ASTM A554	11.76	1.96
HTSW050820G304P320+0600	G304	320G	50.80 x 2.0mm (2")	SATIN TUBE 320GRIT G304 ASTM A554	14.59	2.43
HTSW063515G304P320+0600	G304	320G	63.50 x 1.5mm (2-1/2")	SATIN TUBE 320GRIT G304 ASTM A554	14.82	2.47
HTSW076215G304P320+0600	G304	320G	76.20 x 1.5mm (3")	SATIN TUBE 320GRIT G304 ASTM A554	17.82	2.97
HTSW101615G304P320+0600	G304	320G	101.6 x 1.5mm (4")	SATIN TUBE 320GRIT G304 ASTM A554	23.94	3.99
HTSW101620G304P320+0600	G304	320G	101.6 x 2.0mm (4")	SATIN TUBE 320GRIT G304 ASTM A554	29.76	4.96
HTSW152420G304P320+0600	G304	320G	152.4 x 2.0mm (6")	SATIN TUBE 320GRIT G304 ASTM A554	45.12	7.52
HTSW012715G316P320+0600	G316	320G	12.70 x 1.5mm (1/2")	SATIN TUBE 320GRIT G316 ASTM A554	2.64	0.44
HTSW015915G316P320+0600	G316	320G	15.88 x 1.5mm (5/8")	SATIN TUBE 320GRIT G316 ASTM A554	3.42	0.57
HTSW019015G316P320+0600	G316	320G	19.05 x 1.5mm (3/4")	SATIN TUBE 320GRIT G316 ASTM A554	4.20	0.70
HTSW025412G316P320+0600	G316	320G	25.40 x 1.2mm (1")	SATIN TUBE 320GRIT G316 ASTM A554	4.30	0.72
HTSW025415G316P320+0600	G316	320G	25.40 x 1.5mm (1")	SATIN TUBE 320GRIT G316 ASTM A554	5.70	0.95
HTSW031815G316P320+0600	G316	320G	31.80 x 1.5mm (1-1/4")	SATIN TUBE 320GRIT G316 ASTM A554	7.20	1.20
HTSW038120G316P320+0600	G316	320G	38.10 x 2.0mm (1-1/2")	SATIN TUBE 320GRIT G316 ASTM A554	9.00	1.50
HTSW044515G316P320+0600	G316	320G	44.45 x 1.5mm (1-3/4")	SATIN TUBE 320GRIT G316 ASTM A554	10.26	1.71
HTSW044520G316P320+0600	G316	320G	44.45 x 2.0mm (1-3/4")	SATIN TUBE 320GRIT G316 ASTM A554	12.00	2.00
HTSW050815G316P320+0600	G316	320G	50.80 x 1.5mm (2")	SATIN TUBE 320GRIT G316 ASTM A554	11.76	1.96
HTSW050820G316P320+0600	G316	320G	50.80 x 2.0mm (2")	SATIN TUBE 320GRIT G316 ASTM A554	14.59	2.43
HTSW050830G316P320+0600	G316	320G	50.80 x 3.0mm (2")	SATIN TUBE 320GRIT G316 ASTM A554	22.80	3.80
HTSW063515G316P320+0600	G316	320G	63.50 x 1.5mm (2-1/2")	SATIN TUBE 320GRIT G316 ASTM A554	14.82	2.47
HTSW076215G316P320+0600	G316	320G	76.20 x 1.5mm (3")	SATIN TUBE 320GRIT G316 ASTM A554	17.82	2.97
HTSW101615G316P320+0600	G316	320G	101.6 x 1.5mm (4")	SATIN TUBE 320GRIT G316 ASTM A554	23.94	3.99
HTSW152420G316P320+0600	G316	320G	152.4 x 2.0mm (6")	SATIN TUBE 320GRIT G316 ASTM A554	45.12	7.52

HTSW Duplex

Product Code	Grade	Finish	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSW025416G2205+0600	SAF 2205		25.40 x 1.6mm (1")	WELDED DUPLEX TUBE G2205	5.70	0.95
HTSW038116G2205+0600	SAF 2205		38.10 x 1.6mm (1-1/2")	WELDED DUPLEX TUBE G2205	8.76	1.46
HTSW050816G2205+0600	SAF 2205		50.80 x 1.6mm (2")	WELDED DUPLEX TUBE G2205	15.00	1.96
HTSW063520G2205+0600	SAF 2205		63.50 x 2.0mm (2-1/2")	WELDED DUPLEX TUBE G2205	14.82	2.47
HTSW076220G2205+0600	SAF 2205		76.20 x 2.0mm (3")	WELDED DUPLEX TUBE G2205	23.10	3.85
HTSW101620G2205+0600	SAF 2205		101.6 x 2.0mm (4")	WELDED DUPLEX TUBE G2205	24.00	4.96

Food Quality Tube

Types: Imported, NZ Made
Grades: 304, 316L
Finishes: 320 grit polished external finish (AWBP)

Unit of Supply: 6m lengths
(other lengths available on request)
Certification: Acc. to AS 1528.1
(as welded and buff polished)

Generally suitable for use in New Zealand food quality applications
Internal weld bead controlled

HTSD Imported

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSD009509G304+0600	G304	9.53 x 0.9mm (3/8")	IMPORTED DAIRY TUBE G304 AS1528.1	1.14	0.19
HTSD009512G304+0600	G304	9.53 x 1.2mm (3/8")	IMPORTED DAIRY TUBE G304 AS1528.1	1.50	0.25
HTSD012709G304+0600N	G304	12.70 x 0.9mm (1/2")	IMPORTED DAIRY TUBE G304 AS1528.1	1.59	0.26
HTSD012712G304+0600	G304	12.70 x 1.2mm (1/2")	IMPORTED DAIRY TUBE G304 AS1528.1	2.06	0.34
HTSD012716G304+0600	G304	12.70 x 1.6mm (1/2")	IMPORTED DAIRY TUBE G304 AS1528.1	2.66	0.44
HTSD015912G304+0600	G304	15.88 x 1.2mm (5/8")	IMPORTED DAIRY TUBE G304 AS1528.1	2.63	0.44
HTSD015916G304+0600	G304	15.88 x 1.6mm (5/8")	IMPORTED DAIRY TUBE G304 AS1528.1	3.42	0.57
HTSD019012G304+0600	G304	19.05 x 1.2mm (3/4")	IMPORTED DAIRY TUBE G304 AS1528.1	3.20	0.53
HTSD019116G304+0600N	G304	19.05 x 1.6mm (3/4")	IMPORTED DAIRY TUBE G304 AS1528.1	4.17	0.70
HTSD025412G304+0600	G304	25.40 x 1.2mm (1")	IMPORTED DAIRY TUBE G304 AS1528.1	4.34	0.72
HTSD025416G304+0600	G304	25.40 x 1.6mm (1")	IMPORTED DAIRY TUBE G304 AS1528.1	6.48	1.08
HTSD031812G304+0600	G304	31.80 x 1.2mm (1-1/4")	IMPORTED DAIRY TUBE G304 AS1528.1	5.48	0.91
HTSD031816G304+0600	G304	31.80 x 1.6mm (1-1/4")	IMPORTED DAIRY TUBE G304 AS1528.1	7.35	1.23
HTSD038112G304+0600	G304	38.10 x 1.2mm (1-1/2")	IMPORTED DAIRY TUBE G304 AS1528.1	6.62	1.10
HTSD038116G304+0600	G304	38.10 x 1.6mm (1-1/2")	IMPORTED DAIRY TUBE G304 AS1528.1	8.88	1.48
HTSD044516G304+0600	G304	44.45 x 1.6mm (1-3/4")	IMPORTED DAIRY TUBE G304 AS1528.1	10.20	1.70
HTSD050812G304+0600	G304	50.80 x 1.2mm (2")	IMPORTED DAIRY TUBE G304 AS1528.1	8.90	1.48
HTSD050816G304+0600	G304	50.80 x 1.6mm (2")	IMPORTED DAIRY TUBE G304 AS1528.1	11.76	1.96
HTSD063512G304+0600	G304	63.50 x 1.2mm (2-1/2")	IMPORTED DAIRY TUBE G304 AS1528.1	11.17	1.86
HTSD063516G304+0600	G304	63.50 x 1.6mm (2-1/2")	IMPORTED DAIRY TUBE G304 AS1528.1	14.82	2.47
HTSD076216G304+0600	G304	76.20 x 1.6mm (3")	IMPORTED DAIRY TUBE G304 AS1528.1	18.47	3.08
HTSD101616G304+0600	G304	101.6 x 1.6mm (4")	IMPORTED DAIRY TUBE G304 AS1528.1	24.76	4.13
HTSD101620G304+0600	G304	101.6 x 2.0mm (4")	IMPORTED DAIRY TUBE G304 AS1528.1	29.76	4.96
HTSD152420G304+0600	G304	152.4 x 2.0mm (6")	IMPORTED DAIRY TUBE G304 AS1528.1	45.00	7.50
HTSD203220G304+0600	G304	203.2 x 2.0mm (8")	IMPORTED DAIRY TUBE G304 AS1528.1	72.00	12.00
HTSD012716G316+0600	G316L	12.70 x 1.6mm (1/2")	IMPORTED DAIRY TUBE G316L AS1528.1	2.64	0.44
HTSD015916G316+0600	G316L	15.88 x 1.6mm (5/8")	IMPORTED DAIRY TUBE G316L AS1528.1	3.42	0.57
HTSD019116G316+0600N	G316L	19.05 x 1.6mm (3/4")	IMPORTED DAIRY TUBE G316L AS1528.1	4.20	0.79
HTSD025416G316+0600	G316L	25.40 x 1.6mm (1")	IMPORTED DAIRY TUBE G316L AS1528.1	6.48	1.08
HTSD031816G316+0600	G316L	31.80 x 1.6mm (1-1/4")	IMPORTED DAIRY TUBE G316L AS1528.1	7.35	1.23
HTSD038116G316+0600	G316L	38.10 x 1.6mm (1-1/2")	IMPORTED DAIRY TUBE G316L AS1528.1	8.88	1.48
HTSD044516G316+0600	G316L	44.45 x 1.6mm (1-3/4")	IMPORTED DAIRY TUBE G316L AS1528.1	10.20	1.70
HTSD050816G316+0600	G316L	50.80 x 1.6mm (2")	IMPORTED DAIRY TUBE G316L AS1528.1	11.76	1.96
HTSD063516G316+0600	G316L	63.50 x 1.6mm (2-1/2")	IMPORTED DAIRY TUBE G316L AS1528.1	14.82	2.47
HTSD076216G316+0600	G316L	76.20 x 1.6mm (3")	IMPORTED DAIRY TUBE G316L AS1528.1	18.47	3.08
HTSD101616G316+0600	G316L	101.6 x 1.6mm (4")	IMPORTED DAIRY TUBE G316L AS1528.1	24.76	4.13
HTSD152420G316+0600	G316L	152.4 x 2.0mm (6")	IMPORTED DAIRY TUBE G316L AS1528.1	45.00	7.50
HTSD203220G316+0600	G316L	203.2 x 2.0mm (8")	IMPORTED DAIRY TUBE G316L AS1528.1	72.00	12.00

Food Quality Tube

Types: Imported, NZ Made
Grades: 304, 316L
Finishes: 320 grit polished external finish (AWBP)

Unit of Supply: 6m lengths
(other lengths available on request)
Certification: Acc. to AS 1528.1
(as welded and buff polished)

Generally suitable for use in New Zealand food quality applications
Internal weld bead controlled

HTSD NZ Made

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSD009509G304NZ+0600	G304	9.53 x 0.9mm (3/8")	NZ DAIRY TUBE G304 AS1528.1	1.14	0.19
HTSD009512G304NZ+0600	G304	9.53 x 1.2mm (3/8")	NZ DAIRY TUBE G304 AS1528.1	1.50	0.25
HTSD012709G304NZ+0600	G304	12.70 x 0.9mm (1/2")	NZ DAIRY TUBE G304 AS1528.1	0.60	0.10
HTSD012709G304NZAW+0600	G304	12.70 x 0.9mm (1/2")	NZ DAIRY TUBE G304 AS WELDED	1.59	0.27
HTSD012712G304NZ+0600	G304	12.70 x 1.2mm (1/2")	NZ DAIRY TUBE G304 AS1528.1	2.06	0.34
HTSD012716G304NZ+0600	G304	12.70 x 1.6mm (1/2")	NZ DAIRY TUBE G304 AS1528.1	2.66	0.44
HTSD015909G304NZAW+0600	G304	15.88 x 0.9mm (5/8")	NZ DAIRY TUBE G304 AS WELDED	2.02	0.34
HTSD015912G304NZ+0600	G304	15.88 x 1.2mm (5/8")	NZ DAIRY TUBE G304 AS1528.1	2.63	0.44
HTSD015916G304NZ+0600	G304	15.88 x 1.6mm (5/8")	NZ DAIRY TUBE G304 AS1528.1	3.42	0.57
HTSD019009G304NZ+0600	G304	19.05 x 0.9mm (3/4")	NZ DAIRY TUBE G304 AS1528.1	2.70	0.45
HTSD019012G304NZ+0600	G304	19.05 x 1.2mm (3/4")	NZ DAIRY TUBE G304 AS1528.1	3.20	0.53
HTSD019116G304NZ+0600	G304	19.05 x 1.6mm (3/4")	NZ DAIRY TUBE G304 AS1528.1	4.73	0.79
HTSD022212G304NZ+0600	G304	22.22 x 1.2mm (7/8")	NZ DAIRY TUBE G304 AS1528.1	3.77	0.63
HTSD022216G304NZ+0600	G304	22.22 x 1.6mm (7/8")	NZ DAIRY TUBE G304 AS1528.1	4.92	0.82
HTSD025412G304NZ+0600	G304	25.40 x 1.2mm (1")	NZ DAIRY TUBE G304 AS1528.1	4.34	0.72
HTSD025416G304NZ+0600	G304	25.40 x 1.6mm (1")	NZ DAIRY TUBE G304 AS1528.1	6.48	1.08
HTSD031812G304NZ+0600	G304	31.80 x 1.2mm (1-1/4")	NZ DAIRY TUBE G304 AS1528.1	5.48	0.91
HTSD031816G304NZ+0600	G304	31.80 x 1.6mm (1-1/4")	NZ DAIRY TUBE G304 AS1528.1	7.35	1.23
HTSD038112G304NZ+0600	G304	38.10 x 1.2mm (1-1/2")	NZ DAIRY TUBE G304 AS1528.1	6.62	1.10
HTSD038116G304NZ+0600	G304	38.10 x 1.6mm (1-1/2")	NZ DAIRY TUBE G304 AS1528.1	8.88	1.48
HTSD044516G304NZ+0600	G304	44.45 x 1.6mm (1-3/4")	NZ DAIRY TUBE G304 AS1528.1	8.70	1.45
HTSD050812G304NZ+0600	G304	50.80 x 1.2mm (2")	NZ DAIRY TUBE G304 AS1528.1	8.90	1.48
HTSD050816G304NZ+0600	G304	50.80 x 1.6mm (2")	NZ DAIRY TUBE G304 AS1528.1	11.76	1.96
HTSD063512G304NZ+0600	G304	63.50 x 1.2mm (2-1/2")	NZ DAIRY TUBE G304 AS1528.1	11.18	1.86
HTSD063516G304NZ+0600	G304	63.50 x 1.6mm (2-1/2")	NZ DAIRY TUBE G304 AS1528.1	14.82	2.47
HTSD076216G304NZ+0600	G304	76.20 x 1.6mm (3")	NZ DAIRY TUBE G304 AS1528.1	18.47	3.08
HTSD101616G304NZ+0600	G304	101.6 x 1.6mm (4")	NZ DAIRY TUBE G304 AS1528.1	24.76	4.13
HTSD127016G304NZ+0600	G304	127.0 x 1.6mm (5")	NZ DAIRY TUBE G304 AS1528.1	29.70	4.95
HTSD127020G304NZ+0600	G304	127.0 x 2.0mm (5")	NZ DAIRY TUBE G304 AS1528.1	36.97	6.16
HTSD152416G304NZ+0600	G304	152.4 x 1.6mm (6")	NZ DAIRY TUBE G304 AS1528.1	45.00	7.50
HTSD152420G304NZ+0600	G304	152.4 x 2.0mm (6")	NZ DAIRY TUBE G304 AS1528.1	45.00	7.50
HTSD203220G304NZ+0600	G304	203.2 x 2.0mm (8")	NZ DAIRY TUBE G304 AS1528.1	71.99	12.00
HTSD012716G316NZ+0600	G316L	12.70 x 1.6mm (1/2")	NZ DAIRY TUBE G316L AS1528.1	2.64	0.44
HTSD015912G316NZ+0600	G316L	15.88 x 1.2mm (5/8")	NZ DAIRY TUBE G316L AS1528.1	2.63	0.44
HTSD015916G316NZ+0600	G316L	15.88 x 1.6mm (5/8")	NZ DAIRY TUBE G316L AS1528.1	3.42	0.57
HTSD019116G316NZ+0600	G316L	19.05 x 1.6mm (3/4")	NZ DAIRY TUBE G316L AS1528.1	4.73	0.79
HTSD022216G316NZ+0600	G316L	22.22 x 1.6mm (7/8")	NZ DAIRY TUBE G316L AS1528.1	4.92	0.82
HTSD025416G316NZ+0600	G316L	25.40 x 1.6mm (1")	NZ DAIRY TUBE G316L AS1528.1	6.48	1.08
HTSD031816G316NZ+0600	G316L	31.80 x 1.6mm (1-1/4")	NZ DAIRY TUBE G316L AS1528.1	7.35	1.23
HTSD038116G316NZ+0600	G316L	38.10 x 1.6mm (1-1/2")	NZ DAIRY TUBE G316L AS1528.1	8.88	1.48
HTSD044516G316NZ+0600	G316L	44.45 x 1.6mm (1-3/4")	NZ DAIRY TUBE G316L AS1528.1	8.70	1.45
HTSD050816G316NZ+0600	G316L	50.80 x 1.6mm (2")	NZ DAIRY TUBE G316L AS1528.1	11.76	1.93
HTSD063516G316NZ+0600	G316L	63.50 x 1.6mm (2-1/2")	NZ DAIRY TUBE G316L AS1528.1	14.82	2.47
HTSD076216G316NZ+0600	G316L	76.20 x 1.6mm (3")	NZ DAIRY TUBE G316L AS1528.1	18.47	3.08

Food Quality Tube

Types: Imported, NZ Made
Grades: 304, 316L
Finishes: 320 grit polished external finish (AWBP)

Unit of Supply: 6m lengths
(other lengths available on request)
Certification: Acc. to AS 1528.1
(as welded and buff polished)

Generally suitable for use in New Zealand food quality applications
Internal weld bead controlled

HTSD NZ Made

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSD101616G316NZ+0600	G316L	101.6 x 1.6mm (4")	NZ DAIRY TUBE G316L AS1528.1	24.76	4.13
HTSD127016G316NZ+0600	G316L	127.0 x 1.6mm (5")	NZ DAIRY TUBE G316L AS1528.1	29.70	4.95
HTSD152416G316NZ+0600	G316L	152.4 x 1.6mm (6")	NZ DAIRY TUBE G316L AS1528.1	45.00	7.50
HTSD152420G316NZ+0600	G316L	152.4 x 2.0mm (6")	NZ DAIRY TUBE G316L AS1528.1	45.00	7.50
HTSD203220G316NZ+0600	G316L	203.2 x 2.0mm (8")	NZ DAIRY TUBE G316L AS1528.1	72.00	12.00

Spiral Welded Tube

Grades: 304L, 316L
Unit of Supply: 6m lengths, pickled and passivated.
Stock held on-site ex. Auckland, with local production available.

HTSP

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSP1270ID20G304L+0600	G304L	127.0 (5") ID x 2.0mm	SPIRAWELD TUBE G304L	38.40	6.40
HTSP1270ID30G304L+0600	G304L	127.0 (5") ID x 3.0mm	SPIRAWELD TUBE G304L	58.80	9.80
HTSP129020G304L+0600	G304L	129.0 OD x 2.0mm	SPIRAWELD TUBE G304L	38.40	6.40
HTSP1524ID20G304L+0600	G304L	152.4 (6") ID x 2.0mm	SPIRAWELD TUBE G304L	45.00	7.50
HTSP1524ID30G304L+0600	G304L	152.4 (6") ID x 3.0mm	SPIRAWELD TUBE G304L	70.20	11.70
HTSP2032ID20G304+0600	G304L	203.2 (8") ID x 2.0mm	SPIRAWELD TUBE G304L	60.00	10.00
HTSP2032ID30G304L+0600	G304L	203.2 (8") ID x 3.0mm	SPIRAWELD TUBE G304L	93.60	15.60
HTSP2540ID20G304L+0600	G304L	254.0 (10") ID x 2.0mm	SPIRAWELD TUBE G304L	76.80	12.80
HTSP2540ID30G304L+0600	G304L	254.0 (10") ID x 3.0mm	SPIRAWELD TUBE G304L	117.00	19.50
HTSP3048ID20G304L+0600	G304L	304.8 (12") ID x 2.0mm	SPIRAWELD TUBE G304L	92.40	15.40
HTSP3048ID30G304L+0600	G304L	304.8 (12") ID x 3.0mm	SPIRAWELD TUBE G304L	140.40	23.40
HTSP3556ID20G304L+0600	G304L	355.6 (14") ID x 2.0mm	SPIRAWELD TUBE G304L	106.80	17.80
HTSP3556ID30G304L+0600	G304L	355.6 (14")ID x 3.0mm	SPIRAWELD TUBE G304L	163.80	27.30
HTSP4064ID20G304L+0600	G304L	406.4 (16") ID x 2.0mm	SPIRAWELD TUBE G304L	124.80	20.80
HTSP4064ID30G304L+0600	G304L	406.4 (16") ID x 3.0mm	SPIRAWELD TUBE G304L	187.20	31.20
HTSP4572ID20G304L+0600	G304L	457.2 (18") ID x 2.0mm	SPIRAWELD TUBE G304L	138.60	23.10
HTSP4572ID30G304L+0600	G304L	457.2 (18") ID x 3.0mm	SPIRAWELD TUBE G304L	210.60	35.10
HTSP5080ID20G304L+0600	G304L	508.0 (20") ID x 2.0mm	SPIRAWELD TUBE G304L	150.00	25.00
HTSP5080ID30G304L+0600	G304L	508.0 (20") ID x 3.0mm	SPIRAWELD TUBE G304L	234.00	39.00
HTSP1270ID20G316L+0600	G316L	127.0 (5") ID x 2.0mm	SPIRAWELD TUBE G316L	38.40	6.40
HTSP1270ID30G316L+0600	G316L	127.0 (5") ID x 3.0mm	SPIRAWELD TUBE G316L	58.80	9.80
HTSP1524ID20G316L+0600	G316L	152.4 (6") ID x 2.0mm	SPIRAWELD TUBE G316L	45.00	7.50
HTSP2032ID20G316L+0600	G316L	203.2 (8") ID x 2.0mm	SPIRAWELD TUBE G316L	60.00	10.00
HTSP2032ID30G316L+0600	G316L	203.2 (8") ID x 3.0mm	SPIRAWELD TUBE G316L	93.60	15.60
HTSP2540ID20G316L+0600	G316L	254.0 (10") ID x 2.0mm	SPIRAWELD TUBE G316L	76.80	12.80
HTSP2540ID30G316L+0600	G316L	254.0 (10") ID x 3.0mm	SPIRAWELD TUBE G316L	117.00	19.50
HTSP3048ID20G316L+0600	G316L	304.8 (12") ID x 2.0mm	SPIRAWELD TUBE G316L	92.40	15.40
HTSP3048ID30G316L+0600	G316L	304.8 (12") ID x 3.0mm	SPIRAWELD TUBE G316L	140.40	23.40
HTSP3556ID20G316L+0600	G316L	355.6 (14") ID x 2.0mm	SPIRAWELD TUBE G316L	106.80	17.80
HTSP3556ID30G316L+0600	G316L	355.6 (14") ID x 3.0mm	SPIRAWELD TUBE G316L	163.80	27.30
HTSP4064ID20G316L+0600	G316L	406.4 (16") ID x 2.0mm	SPIRAWELD TUBE G316L	124.80	20.80
HTSP4064ID30G316L+0600	G316L	406.4 (16") ID x 3.0mm	SPIRAWELD TUBE G316L	187.20	31.20
HTSP4572ID20G316L+0600	G316L	457.2 (18") ID x 2.0mm	SPIRAWELD TUBE G316L	138.60	23.10
HTSP4572ID30G316L+0600	G316L	457.2 (18") ID x 3.0mm	SPIRAWELD TUBE G316L	210.60	35.10
HTSP5080ID20G316L+0600	G316L	508.0 (20") ID x 2.0mm	SPIRAWELD TUBE G316L	150.00	25.00
HTSP5080ID30G316L+0600	G316L	508.0 (20") ID x 3.0mm	SPIRAWELD TUBE G316L	234.00	39.00

Available ID/OD or NB dimensions.

Square Hollow Section (SHS)

Types: Polished
Grades: 304, 316
Finishes: 180 Grit (note: corners not polished).
Unit of Supply: 6m lengths
Certification: Acc. to ASTM A554-10

HSS

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)	kg/m
HSS012012012G304+0600	G304	12.70 x 12.70 x 1.2mm	SHS G304 POLISHED 180GRIT ASTM A554	3.00	0.50
HSS012012015G304+0600	G304	12.70 x 12.70 x 1.5mm	SHS G304 POLISHED 180GRIT ASTM A554	4.50	0.75
HSS019019012G304+0600	G304	19.05 x 19.05 x 1.2mm	SHS G304 POLISHED 180GRIT ASTM A554	4.38	0.73
HSS019019016G304+0600	G304	19.05 x 19.05 x 1.6mm	SHS G304 POLISHED 180GRIT ASTM A554	5.70	0.95
HSS025025012G304+0600	G304	25.40 x 25.40 x 1.2mm	SHS G304 POLISHED 180GRIT ASTM A554	5.52	0.92
HSS025025016G304+0600	G304	25.40 x 25.40 x 1.5mm	SHS G304 POLISHED 180GRIT ASTM A554	7.14	1.19
HSS025025020G304+0600	G304	25.40 x 25.40 x 2.0mm	SHS G304 POLISHED 180GRIT ASTM A554	10.80	1.80
HSS025025030G304+0600	G304	25.40 x 25.40 x 3.0mm	SHS G304 POLISHED 180GRIT ASTM A554	13.20	2.20
HSS030030020G304+0600	G304	30.00 x 30.00 x 2.0mm	SHS G304 POLISHED 180GRIT ASTM A554	11.04	1.84
HSS031031012G304+0600	G304	31.80 x 31.80 x 1.2mm	SHS G304 POLISHED 180GRIT ASTM A554	6.96	1.16
HSS031031016G304+0600	G304	31.80 x 31.80 x 1.5mm	SHS G304 POLISHED 180GRIT ASTM A554	9.06	1.51
HSS035035020G304+0600	G304	35.00 x 35.00 x 2.0mm	SHS G304 POLISHED 180GRIT ASTM A554	12.90	2.15
HSS038038012G304+0600	G304	38.10 x 38.10 x 1.2mm	SHS G304 POLISHED 180GRIT ASTM A554	8.34	1.39
HSS038038016G304+0600	G304	38.10 x 38.10 x 1.5mm	SHS G304 POLISHED 180GRIT ASTM A554	11.04	1.84
HSS038038020G304+0600	G304	38.10 x 38.10 x 2.0mm	SHS G304 POLISHED 180GRIT ASTM A554	14.40	2.40
HSS040040020G304+0600	G304	40.00 x 40.00 x 2.0mm	SHS G304 POLISHED 180GRIT ASTM A554	14.72	2.45
HSS040040030G304+0600	G304	40.00 x 40.00 x 3.0mm	SHS G304 POLISHED 180GRIT ASTM A554	22.54	3.76
HSS050050015G304+0600	G304	50.80 x 50.80 x 1.5mm	SHS G304 POLISHED 180GRIT ASTM A554	14.82	2.47
HSS050050020G304+0600	G304	50.00 x 50.00 x 2.0mm	SHS G304 POLISHED 180GRIT ASTM A554	18.48	3.08
HSS050050030G304+0600	G304	50.00 x 50.00 x 3.0mm	SHS G304 POLISHED 180GRIT ASTM A554	27.90	4.65
HSS050050040G304+0600	G304	50.00 x 50.00 x 4.0mm	SHS G304 POLISHED 180GRIT ASTM A554	35.76	5.96
HSS060060030G304+0600	G304	60.00 x 60.00 x 3.0mm	SHS G304 POLISHED 180GRIT ASTM A554	32.95	5.49
HSS075075020G304+0600	G304	75.00 x 75.00 x 2.0mm	SHS G304 POLISHED 180GRIT ASTM A554	28.08	4.68
HSS075075030G304+0600	G304	75.00 x 75.00 x 3.0mm	SHS G304 POLISHED 180GRIT ASTM A554	41.70	6.95
HSS075075050G304+0600	G304	75.00 x 75.00 x 5.0mm	SHS G304 POLISHED 180GRIT ASTM A554	67.44	11.24
HSS080080020G304+0600	G304	80.00 x 80.00 x 2.0mm	SHS G304 POLISHED 180GRIT ASTM A554	29.93	4.99
HSS080080030G304+0600	G304	80.00 x 80.00 x 3.0mm	SHS G304 POLISHED 180GRIT ASTM A554	45.18	7.53
HSS100100030G304+0600	G304	100.0 x 100.0 x 3.0mm	SHS G304 POLISHED 180GRIT ASTM A554	57.18	9.53
HSS100100040G304+0600	G304	100.0 x 100.0 x 4.0mm	SHS G304 POLISHED 180GRIT ASTM A554	74.40	12.40
HSS100100050G304+0600	G304	100.0 x 100.0 x 5.0mm	SHS G304 POLISHED 180GRIT ASTM A554	91.92	15.32
HSS150150030G304+0600	G304	150.0 x 150.0 x 3.0mm	SHS G304 POLISHED 180GRIT ASTM A554	84.38	14.06
HSS150150050G304+0600	G304	150.0 x 150.0 x 5.0mm	SHS G304 POLISHED 180GRIT ASTM A554	134.40	22.40

Square Hollow Section (SHS)

Types: Polished
Grades: 304, 316
Finishes: 180 Grit (note: corners not polished).
Unit of Supply: 6m lengths
Certification: Acc. to ASTM A554-10

HSS

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)	kg/m
HSS019019015G316+0600	G316	19.05 x 19.05 x 1.5mm	SHS G316 POLISHED 180GRIT ASTM A554	5.70	0.95
HSS025025015G316+0600	G316	25.40 x 25.40 x 1.5mm	SHS G316 POLISHED 180GRIT ASTM A554	7.20	1.20
HSS031031015G316+0600	G316	31.80 x 31.80 x 1.5mm	SHS G316 POLISHED 180GRIT ASTM A554	9.00	1.50
HSS038038015G316+0600	G316	38.10 x 38.10 x 1.5mm	SHS G316 POLISHED 180GRIT ASTM A554	10.55	1.76
HSS040040020G316+0600	G316	40.00 x 40.00 x 2.0mm	SHS G316 POLISHED 180GRIT ASTM A554	14.72	2.45
HSS040040030G316+0600	G316	40.00 x 40.00 x 3.0mm	SHS G316 POLISHED 180GRIT ASTM A554	22.54	3.76
HSS050050015G316+0600	G316	50.00 x 50.00 x 1.5mm	SHS G316 POLISHED 180GRIT ASTM A554	14.82	2.47
HSS050050020G316+0600	G316	50.00 x 50.00 x 2.0mm	SHS G316 POLISHED 180GRIT ASTM A554	18.48	3.08
HSS050050030G316+0600	G316	50.00 x 50.00 x 3.0mm	SHS G316 POLISHED 180GRIT ASTM A554	27.90	4.65
HSS060060030G316+0600	G316	60.00 x 60.00 x 3.0mm	SHS G316 POLISHED 180GRIT ASTM A554	32.95	5.49
HSS075075030G316+0600	G316	75.00 x 75.00 x 3.0mm	SHS G316 POLISHED 180GRIT ASTM A554	41.70	6.95
HSS075075050G316+0600	G316	75.00 x 75.00 x 5.0mm	SHS G316 POLISHED 180GRIT ASTM A554	67.44	11.24
HSS080080020G316+0600	G316	80.00 x 80.00 x 2.0mm	SHS G316 POLISHED 180GRIT ASTM A554	29.93	4.99
HSS100100030G316+0600	G316	100.0 x 100.0 x 3.0mm	SHS G316 POLISHED 180GRIT ASTM A554	57.18	9.53
HSS100100050G316+0600	G316	100.0 x 100.0 x 5.0mm	SHS G316 POLISHED 180GRIT ASTM A554	91.92	15.32
HSS150150050G316+0600	G316	150.0 x 150.0 x 5.0mm	SHS G316 POLISHED 180GRIT ASTM A554	134.40	22.40

Rectangular Hollow Section (RHS)

Types: Polished
Grades: 304, 316
Finishes: 180 Grit (Note: corners not polished).
Unit of Supply: 6m lengths
Certification: Acc. to ASTM A554-10

HRS

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)	kg/m
HRS040010015G304+0600	G304	40.0 x 10.0 x 1.5mm	RHS G304 POLISHED 180GRIT ASTM A554	6.88	1.15
HRS040020012G304+0600	G304	40.0 x 20.0 x 1.2mm	RHS G304 POLISHED 180GRIT ASTM A554	6.58	1.10
HRS040020015G304+0600	G304	40.0 x 20.0 x 1.5mm	RHS G304 POLISHED 180GRIT ASTM A554	8.23	1.37
HRS040020020G304+0600	G304	40.0 x 20.0 x 2.0mm	RHS G304 POLISHED 180GRIT ASTM A554	11.04	1.84
HRS050025015G304+0600	G304	50.0 x 25.0 x 1.5mm	RHS G304 POLISHED 180GRIT ASTM A554	10.55	1.76
HRS050025020G304+0600	G304	50.0 x 25.0 x 2.0mm	RHS G304 POLISHED 180GRIT ASTM A554	13.91	2.32
HRS050025030G304+0600	G304	50.0 x 25.0 x 3.0mm	RHS G304 POLISHED 180GRIT ASTM A554	20.46	3.41
HRS060040030G304+0600	G304	60.0 x 40.0 x 3.0mm	RHS G304 POLISHED 180GRIT ASTM A554	27.90	4.65
HRS080040020G304+0600	G304	80.0 x 40.0 x 2.0mm	RHS G304 POLISHED 180GRIT ASTM A554	22.27	3.71
HRS080040030G304+0600	G304	80.0 x 40.0 x 3.0mm	RHS G304 POLISHED 180GRIT ASTM A554	32.95	5.49
HRS100050020G304+0600	G304	100.0 x 50.0 x 2.0mm	RHS G304 POLISHED 180GRIT ASTM A554	28.80	4.80
HRS100050030G304+0600	G304	100.0 x 50.0 x 3.0mm	RHS G304 POLISHED 180GRIT ASTM A554	41.70	6.95
HRS100050040G304+0600	G304	100.0 x 50.0 x 4.0mm	RHS G304 POLISHED 180GRIT ASTM A554	54.54	9.09
HRS100050050G304+0600	G304	100.0 x 50.0 x 5.0mm	RHS G304 POLISHED 180GRIT ASTM A554	68.16	11.36
HRS150050030G304+0600	G304	150.0 x 50.0 x 3.0mm	RHS G304 POLISHED 180GRIT ASTM A554	57.18	9.53
HRS150100050G304+0600	G304	150.0 x 100.0 x 5.0mm	RHS G304 POLISHED 180GRIT ASTM A554	112.80	18.80
HRS200100060G304+0600	G304	200.0 x 100.0 x 6.0mm	RHS G304 POLISHED 180GRIT ASTM A554	164.16	27.36
HRS250150060G304+0600	G304	250.0 x 150.0 x 6.0mm	RHS G304 POLISHED 180GRIT ASTM A554	224.25	37.38
HRS050025015G316+0600	G316	50.0 x 25.0 x 1.5mm	RHS G316 POLISHED 180GRIT ASTM A554	10.55	1.76
HRS050025030G316+0600	G316	50.0 x 25.0 x 3.0mm	RHS G316 POLISHED 180GRIT ASTM A554	20.74	3.46
HRS080040030G316+0600	G316	80.0 x 40.0 x 3.0mm	RHS G316 POLISHED 180GRIT ASTM A554	32.95	5.49
HRS100050030G316+0600	G316	100.0 x 50.0 x 3.0mm	RHS G316 POLISHED 180GRIT ASTM A554	41.70	6.95
HRS100050050G316+0600	G316	100.0 x 50.0 x 5.0mm	RHS G316 POLISHED 180GRIT ASTM A554	68.16	11.36
HRS150100050G316+0600	G316	150.0 x 100.0 x 5.0mm	RHS G316 POLISHED 180GRIT ASTM A554	112.80	18.80
HRS20010006G316+0600	G316	200.0 X 100.0 x 6.0mm	RHS G304 POLISHED 180GRIT ASTM A554	164.16	27.36

Dimension tolerances acc. to ASTM A554-10

Largest outside dimension Accross flats (mm)	W.T. ± %	Across flats* ± mm
≤ 31.8 mm incl.	10 %	0.38
> 31.8 - ≤ 63.5	10 %	0.51
> 63.5 - ≤ 139.7	10 %	0.76
> 139.7 - ≤ 203.2	10 %	1.52

* Convexity or Concavity included

Seamless Instrumentation Tube

Types: Sandvik 3R60 / ASTM 316L with 2.5% min. molybdenum (W 1.4435)
Grades: 316L
Finishes: Bright Annealed (up to 25.4mm)
Unit of Supply: 6m lengths
Certification: Acc. to ASTM A269/A213

HTSI

Product Code	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSI0031071G316L+0600	3.18 x 0.71mm (1/8")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	0.26	0.04
HTSI0031089G316L+0600	3.18 x 0.89mm (1/8")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	0.30	0.05
HTSI0047089G316L+0600	4.76 x 0.89mm (3/16")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	0.52	0.09
HTSI0063089G316L+0600	6.35 x 0.89mm (1/4")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	0.73	0.12
HTSI0063124G316L+0600	6.35 x 1.24mm (1/4")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	0.95	0.16
HTSI0063165G316L+0600	6.35 x 1.65mm (1/4")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	1.16	0.19
HTSI0079089G316L+0600	7.94 x 0.89mm (5/16")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	0.94	0.16
HTSI0095089G316L+0600	9.53 x 0.89mm (3/8")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	1.15	0.19
HTSI0095124G316L+0600	9.53 x 1.24mm (3/8")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	1.54	0.26
HTSI0095165G316L+0600	9.53 x 1.65mm (3/8")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	1.95	0.33
HTSI0127089G316L+0600	12.70 x 0.89mm (1/2")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	1.58	0.26
HTSI0127124G316L+0600	12.70 x 1.24mm (1/2")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	2.13	0.36
HTSI0127165G316L+0600	12.70 x 1.65mm (1/2")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	2.74	0.46
HTSI0127211G316L+0600	12.70 x 2.11mm (1/2")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	3.35	0.56
HTSI0158124G316L+0600	15.88 x 1.24mm (5/8")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	2.72	0.45
HTSI0158165G316L+0600	15.88 x 1.65mm (5/8")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	3.52	0.59
HTSI0190124G316L+0600	19.05 x 1.24mm (3/4")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	3.31	0.55
HTSI0190165G316L+0600	19.05 x 1.65mm (3/4")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	4.31	0.72
HTSI0190211G316L+0600	19.05 x 2.11mm (3/4")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	5.36	0.89
HTSI0190241G316L+0600	19.05 x 2.41mm (3/4")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	6.02	1.00
HTSI0254165G316L+0600	25.40 x 1.65mm (1")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	5.88	0.98
HTSI0254211G316L+0600	25.40 x 2.11mm (1")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	7.37	1.23
HTSI0254241G316L+0600	25.40 x 2.41mm (1")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	8.32	1.39
HTSI0254320G316L+0600	25.40 x 3.20mm (1")	INST TUBE G316L BA - A269/A213 MIN MOLY 2.5%	10.66	1.78

Seamless Hydraulic Tube

Types: Sandvik 3R60 / ASTM 316L with 2.5% min. Molybdenum (W 1.4435)
Grades: 316L
Unit of Supply: 6m lengths

Finishes: Bright Annealed (up to 30mm), sizes larger than 30 mm O.D. are in the annealed and pickled condition
Certification: Acc. to ASTM A269/A213

HTSH

Product Code	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSH006010G316L+0600	6.00 x 1.00mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	0.75	0.13
HTSH008015G316L+0600	8.00 x 1.50mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	1.46	0.24
HTSH010010G316L+0600	10.00 x 1.00mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	1.35	0.23
HTSH010015G316L+0600	10.00 x 1.50mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	1.91	0.32
HTSH012015G316L+0600	12.00 x 1.50mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	2.36	0.39
HTSH012020G316L+0600	12.00 x 2.00mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	3.00	0.50
HTSH014020G316L+0600	14.00 x 2.00mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	3.60	0.60
HTSH015015G316L+0600	15.00 x 1.50mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	3.04	0.51
HTSH016020G316L+0600	16.00 x 2.00mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	4.20	0.70
HTSH018020G316L+0600	18.00 x 2.00mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	4.80	0.80
HTSH020025G316L+0600	20.00 x 2.50mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	6.56	1.09
HTSH022020G316L+0600	22.00 x 2.00mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	6.00	1.00
HTSH025030G316L+0600	25.00 x 3.00mm	HYDRAULIC TUBE G316L BA - A269/A213 MIN MOLY 2.5%	9.90	1.65
HTSH028020G316L+0600	28.00 x 2.00mm	HYDRAULIC TUBE G316L A & P- A269/A213	7.80	1.30
HTSH030030G316L+0600	30.00 x 3.00mm	HYDRAULIC TUBE G316L A & P- A269/A213	12.15	2.03
HTSH038030G316L+0600	38.00 x 3.00mm	HYDRAULIC TUBE G316L A & P- A269/A213	15.76	2.63

Tube Dimensions

Welded Tube

Outside Dia mm	Inside Dia mm	Wall mm	kg/m	Description
12.70	9.70	1.50	0.44	Welded Tube 1/2” OD x 1.50
15.90	12.90	1.50	0.57	Welded Tube 5/8” OD x 1.50
19.05	16.05	1.50	0.70	Welded Tube 3/4” OD x 1.50
22.22	19.22	1.50	0.82	Welded Tube 7/8” OD x 1.50
25.40	22.40	1.50	1.00	Welded Tube 1” OD x 1.50
31.80	28.80	1.50	1.20	Welded Tube 1-1/4” OD x 1.50
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
44.45	41.45	1.50	1.71	Welded Tube 1-3/4” OD x 1.50
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
63.50	60.50	1.50	2.50	Welded Tube 2-1/2” OD x 1.50
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
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
127.00	124.00	1.50	4.95	Welded Tube 5” OD x 1.50
127.00	123.00	2.00	6.16	Welded Tube 5” OD x 2.00
152.40	149.20	1.60	6.12	Welded Tube 6” OD x 1.50
203.20	199.20	2.00	12.00	Welded Tube 8” OD x 2.00

Instrument Tube

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
4.76	2.98	0.89	0.07	Instrument Tube 4.76 x 0.89
6.35	4.57	0.89	0.12	Instrument Tube 6.35 x 0.89
6.35	3.05	1 65	0.19	Instrument Tube 6.35 x 1 65
6.35	3.87	1 24	0.16	Instrument Tube 6.35 x 1.24
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
9.53	7.05	1 24	0.25	Instrument Tube 9.53 x 1.24
9.53	7.75	0.89	0.19	Instrument Tube 9.53 x 0.89
9.53	6.23	1 65	0.33	Instrument Tube 9.53 x 1.65
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	9.40	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
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
19.05	16.57	1.24	0.55	Instrument Tube 19.05 x 1.24
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
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
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
50.80	44.70	3.05	3.56	Instrument Tube 50.80 x 3.05

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

06/

Tube Fittings & Flanges

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Elbows / Bends

Australian Standard (Uni)

90° Long Radius Elbows (Australian Standard)

Grades: 304, 316
Unit of Supply: Each
Finish: Polished
Certification: Acc. to AS 1528.3

FTWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWE01271690LG304AS	G304	12.70 x 1.6mm (1/2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.04
FTWE01591690LG304AS	G304	15.88 x 1.6mm (5/8")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.05
FTWE01901690LG304AS	G304	19.05 x 1.6mm (3/4")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.07
FTWE02541690LG304AS	G304	25.40 x 1.6mm (1")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.11
FTWE03811690LG304AS	G304	38.10 x 1.6mm (1-1/2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.27
FTWE05081690LG304AS	G304	50.80 x 1.6mm (2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.44
FTWE06351690LG304AS	G304	63.50 x 1.6mm (2-1/2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.59
FTWE07621690LG304AS	G304	76.20 x 1.6mm (3")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.84
FTWE10161690LG304AS	G304	101.6 x 1.6mm (4")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	1.12
FTWE12701690LG304AS	G304	127.0 x 1.6mm (5")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	1.85
FTWE12702090LG304AS	G304	127.0 x 2.0mm (5")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	1.85
FTWE15242090LG304AS	G304	152.4 x 2.0mm (6")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	3.20
FTWE01271690LG316AS	G316	12.70 x 1.6mm (1/2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.04
FTWE01591690LG316AS	G316	15.88 x 1.6mm (5/8")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.05
FTWE01901690LG316AS	G316	19.05 x 1.6mm (3/4")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.07
FTWE02541690LG316AS	G316	25.40 x 1.6mm (1")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.11
FTWE03811690LG316AS	G316	38.10 x 1.6mm (1-1/2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.21
FTWE05081690LG316AS	G316	50.80 x 1.6mm (2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.34
FTWE06351690LG316AS	G316	63.50 x 1.6mm (2-1/2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.48
FTWE07621690LG316AS	G316	76.20 x 1.6mm (3")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.66
FTWE10161690LG316AS	G316	101.6 x 1.6mm (4")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	1.12
FTWE12701690LG316AS	G316	127.0 x 1.6mm (5")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	1.85
FTWE12702090LG316AS	G316	127.0 x 2.0mm (5")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	1.85
FTWE15242090LG316AS	G316	152.4 x 2.0mm (6")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	3.20

Diameter mm	Inch	Dim A mm	Dim B mm	Radius* mm
12.70	1/2	55.4	30.0	19.0
15.88	5/8	61.7	30.0	23.8
19.05	3/4	68.2	30.0	28.6
25.40	1	80.8	30.0	38.1
31.80	1-1/4	93.5	30.0	47.6
38.10	1-1/2	106.2	30.0	57.2
50.80	2	131.6	30.0	76.2
63.50	2-1/2	157.1	30.0	95.3
76.20	3	182.4	30.0	114.3
101.6	4	233.2	30.0	152.4
127.0	5	294.0	40.0	190.5
152.4	6	344.8	40.0	228.6

Tolerances: Diameter ± 0.5% of OD, Square Target 0.2mm, Max 0.4mm, Dim A ± 1.5mm, Dim B Nominal, Radius Nominal

**Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.*

Elbows / Bends

90° Long Radius OD Elbows (NZ Standard)

Grades: 304, 316
Unit of Supply: Each
Finish: Polished
Certification: Acc. to AS 1528.3 & A774 (Remaining sizes match Australian Standard)

FTWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWE03181690LG304	G304	31.80 x 1.6mm (1-1/4")	ELBOW 90DEG LR NZ STANDARD G304 AS1528.3	0.18
FTWE03811690LG304	G304	38.10 x 1.6mm (1-1/2")	ELBOW 90DEG LR NZ STANDARD G304 AS1528.3	0.27
FTWE04451690LG304	G304	44.45 x 1.6mm (1-3/4")	ELBOW 90DEG LR NZ STANDARD G304 AS1528.3	0.33
FTWE05081690LG304	G304	50.80 x 1.6mm (2")	ELBOW 90DEG LR NZ STANDARD G304 AS1528.3	0.44
FTWE06351690LG304	G304	63.50 x 1.6mm (2-1/2")	ELBOW 90DEG LR NZ STANDARD G304 AS1528.3	0.59
FTWE07621690LG304	G304	76.20 x 1.6mm (3")	ELBOW 90DEG LR NZ STANDARD G304 AS1528.3	0.84
FTWE20322090LG304	G304	203.2 OD x 2.0mm (8")	ELBOW 90DEG LR NZ STANDARD G304 AS1528.3	4.90
FTWE03181690LG316	G316	31.80 x 1.6mm (1-1/4")	ELBOW 90DEG LR NZ STANDARD G316 AS1528.3	0.18
FTWE03811690LG316	G316	38.10 x 1.6mm (1-1/2")	ELBOW 90DEG LR NZ STANDARD G316 AS1528.3	0.27
FTWE04451690LG316	G316	44.45 x 1.6mm (1-3/4")	ELBOW 90DEG LR NZ STANDARD G316 AS1528.3	0.32
FTWE05081690LG316	G316	50.80 x 1.6mm (2")	ELBOW 90DEG LR NZ STANDARD G316 AS1528.3	0.42
FTWE06351690LG316	G316	63.50 x 1.6mm (2-1/2")	ELBOW 90DEG LR NZ STANDARD G316 AS1528.3	0.62
FTWE07621690LG316	G316	76.20 x 1.6mm (3")	ELBOW 90DEG LR NZ STANDARD G316 AS1528.3	0.84
FTWE20322090LG316	G316L	203.2 OD x 2.0mm (8")	ELBOW 90DEG LR NZ STANDARD G316 AS1528.3	4.90

NZ Standard Only

Diameter mm	Inch	Dim A mm	Dim B mm	Radius* mm
31.80	1-1/4	104.9	31.8	57.2
38.10	1-1/2	130.2	34.9	76.2
44.55	1-3/4	139.8	38.1	79.4
50.80	2	158.8	31.8	101.6
63.50	2-1/2	184.2	38.1	114.3
76.20	3	215.9	38.1	139.7
203.20	8	406.4	0	304.8

Tolerances: Diameter ± 0.5% of OD, Square Target 0.2mm, Max 0.4mm, Dim A ± 1.5mm, Dim B Nominal, Radius Nominal

**Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.*

Elbows / Bends

90° Long Radius ID Elbows

Grades: 304L, 316L
Unit of Supply: Each
Finish: Polished
Certification: Acc. to ASTM A774

FTWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWE2032ID1990LG304L	G304L	203.2 ID x 2.0mm (8")	ELBOW 90DEG LONG RADIUS G304L ASTM A774	4.90
FTWE2032ID3090LG304L	G304L	203.2 ID x 3.0mm (8")	ELBOW 90DEG LONG RADIUS G304L ASTM A774	7.80
FTWE2540ID1990LG304L	G304L	254.0 ID x 2.0mm (10")	ELBOW 90DEG LONG RADIUS G304L ASTM A774	7.64
FTWE2540ID3090LG304L	G304L	254.0 ID x 3.0mm (10")	ELBOW 90DEG LONG RADIUS G304L ASTM A774	12.30
FTWE3048ID1990LG304L	G304L	304.8 ID x 2.0mm (12")	ELBOW 90DEG LONG RADIUS G304L ASTM A774	11.20
FTWE3048ID3090LG304L	G304L	304.8 ID x 3.0mm (12")	ELBOW 90DEG LONG RADIUS G304L ASTM A774	17.83
FTWE2032ID1990LG316L	G316L	203.2 ID x 2.0mm (8")	ELBOW 90DEG LONG RADIUS G316L ASTM A774	4.90
FTWE2032ID3090LG316L	G316L	203.2 ID x 3.0mm (8")	ELBOW 90DEG LONG RADIUS G316L ASTM A774	7.80
FTWE2540ID1990LG316L	G316L	254.0 ID x 2.0mm (10")	ELBOW 90DEG LONG RADIUS G316L ASTM A774	7.64
FTWE2540ID3090LG316L	G316L	254.0 ID x 3.0mm (10")	ELBOW 90DEG LONG RADIUS G316L ASTM A774	12.30
FTWE3048ID1990LG316L	G316L	304.8 ID x 2.0mm (12")	ELBOW 90DEG LONG RADIUS G316L ASTM A774	11.20
FTWE3048ID3090LG316L	G316L	304.8 ID x 3.0mm (12")	ELBOW 90DEG LONG RADIUS G316L ASTM A774	17.83
FTWE3556ID3090LG316L	G316L	355.6 ID x 3.0mm (14")	ELBOW 90DEG LONG RADIUS G316L ASTM A774	24.90
FTWE4064ID3090LG316	G316L	406.4 ID x 3.0mm (16")	ELBOW 90DEG LONG RADIUS G316L ASTM A774	31.70

Diameter mm	Inch	Radius* mm
203.2	8	304.8
254.0	10	381.0
304.8	12	457.2
355.6	14	533.4
406.4	16	609.6

Tolerances: Diameter ± 0.5% of OD, Square Target 0.2mm, Max 0.4mm, Dim A ± 1.5mm, Dim B Nominal, Radius Nominal

**Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.*

Elbows / Bends

90° Short Radius Elbows

Grades: 304, 316, 2205
Unit of Supply: Each
Finish: Polished

FTWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWE02541690SG304	G304	25.40 x 1.6mm (1")	ELBOW 90DEG SHORT RADIUS G304	0.11
FTWE03181690SG304	G304	31.80 x 1.6mm (1-1/4")	ELBOW 90DEG SHORT RADIUS G304	0.12
FTWE03811690SG304	G304	38.10 x 1.6mm (1-1/2")	ELBOW 90DEG SHORT RADIUS G304	0.13
FTWE05081690SG304	G304	50.80 x 1.6mm (2")	ELBOW 90DEG SHORT RADIUS G304	0.22
FTWE06351690SG304	G304	63.50 x 1.6mm (2-1/2")	ELBOW 90DEG SHORT RADIUS G304	0.35
FTWE07621690SG304	G304	76.20 x 1.6mm (3")	ELBOW 90DEG SHORT RADIUS G304	0.53
FTWE10161690SG304	G304	101.6 x 1.6mm (4")	ELBOW 90DEG SHORT RADIUS G304	0.90
FTWE02541690SG316	G316	25.40 x 1.6mm (1")	ELBOW 90DEG SHORT RADIUS G316	0.11
FTWE03181690SG316	G316	31.80 x 1.6mm (1-1/4")	ELBOW 90DEG SHORT RADIUS G316	0.12
FTWE03811690SG316	G316	38.10 x 1.6mm (1-1/2")	ELBOW 90DEG SHORT RADIUS G316	0.13
FTWE05081690SG316	G316	50.80 x 1.6mm (2")	ELBOW 90DEG SHORT RADIUS G316	0.22
FTWE06351690SG316	G316	63.50 x 1.6mm (2-1/2")	ELBOW 90DEG SHORT RADIUS G316	0.35
FTWE07621690SG316	G316	76.20 x 1.6mm (3")	ELBOW 90DEG SHORT RADIUS G316	0.53
FTWE10161690SG316	G316	101.6 x 1.6mm (4")	ELBOW 90DEG SHORT RADIUS G316	0.92
FTWE01901290LG2205	G2205	19.05 x 1.2mm (3/4")	ELBOW 90DEG SHORT RADIUS G2205	0.06
FTWE01901690LG2205	G2205	19.05 x 1.6mm (3/4")	ELBOW 90DEG SHORT RADIUS G2205	0.07
FTWE02541690LG2205	G2205	25.40 x 1.6mm (1")	ELBOW 90DEG SHORT RADIUS G2205	0.03
FTWE03181690LG2205	G2205	31.80 x 1.6mm (1-1/4")	ELBOW 90DEG SHORT RADIUS G2205	0.11
FTWE03811690LG2205	G2205	38.10 x 1.6mm (1-1/2")	ELBOW 90DEG SHORT RADIUS G2205	0.12
FTWE05081690LG2205	G2205	50.80 x 1.6mm (2")	ELBOW 90DEG SHORT RADIUS G2205	1.00
FTWE06351690LG2205	G2205	63.50 x 1.6mm (2-1/2")	ELBOW 90DEG SHORT RADIUS G2205	0.44
FTWE06352090LG2205	G2205	63.50 x 2.0mm (2-1/2")	ELBOW 90DEG SHORT RADIUS G2205	0.60
FTWE07622090LG2205	G2205	76.20 x 2.0mm (3")	ELBOW 90DEG SHORT RADIUS G2205	0.63
FTWE10162090LG2205	G2205	101.6 x 2.0mm (4")	ELBOW 90DEG SHORT RADIUS G2205	1.15

304 and 316 Only

Diameter mm	Inch	Dim A mm	Dim B mm	Radius* mm
25.40	1	50.8	0.0	38.1
31.80	1-1/4	76.2	12.7	47.6
38.10	1-1/2	76.2	0.0	57.2
50.80	2	101.6	0.0	76.2
63.50	2-1/2	127.0	0.0	95.3
76.20	3	152.2	0.0	114.3
101.6	4	203.2	0.0	152.4

Tolerances: Diameter ± 0.5% of OD, Dim A + 1mm -0mm, Dim B Nominal, Radius Nominal

**Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.*

Elbows / Bends

90° Long Leg Elbows

Grades: 304
Unit of Supply: Each
Finish: Polished

FTWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWE03181290LG304LL	G304	31.80 x 1.2mm (1-1/4")	ELBOW 90DEG G304 LONG LEG	0.16
FTWE03811290LG304LL	G304	38.10 x 1.2mm (1-1/2")	ELBOW 90DEG G304 LONG LEG	0.24
FTWE05081290LG304LL	G304	50.80 x 1.2mm (2")	ELBOW 90DEG G304 LONG LEG	0.41
FTWE06351290LG304LL	G304	63.50 x 1.2mm (2-1/2")	ELBOW 90DEG G304 LONG LEG	0.63
FTWE07621690LG304LL	G304	76.20 x 1.6mm (3")	ELBOW 90DEG G304 LONG LEG	1.24
FTWE10161690LG304LL	G304	101.6 x 1.6mm (4")	ELBOW 90DEG G304 LONG LEG	1.81

Diameter mm	Inch	Dim A mm	Dim B mm	Radius* mm
25.40	1	94.4	37.2	44.5
31.80	1-1/4	120.9	47.8	57.2
38.10	1-1/2	150.1	54.9	76.2
50.80	2	190.8	63.8	101.6
63.50	2-1/2	235.2	89.1	114.3
76.20	3	295.9	118.1	139.7
101.6	4	328.6	125.4	152.4

Tolerances: Diameter ± 0.5% of OD, Square Target 0.2mm, Max 0.4mm, Dim A + 1mm -0mm, Dim B Nominal, Radius Nominal

**Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.*

Elbows / Bends

45° Elbows

Grades: 304, 316
Unit of Supply: Each
Finish: Polished
Certification: Acc. to AS 1528.3

FTWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWE02541645LG304	G304	25.40 x 1.6mm (1")	ELBOW 45DEG G304 AS1528.3	0.08
FTWE03181645LG304	G304	31.80 x 1.6mm (1-1/4")	ELBOW 45DEG G304 AS1528.3	0.11
FTWE03811645LG304	G304	38.10 x 1.6mm (1-1/2")	ELBOW 45DEG G304 AS1528.3	0.15
FTWE05081645LG304	G304	50.80 x 1.6mm (2")	ELBOW 45DEG G304 AS1528.3	0.23
FTWE06351645LG304	G304	63.50 x 1.6mm (2-1/2")	ELBOW 45DEG G304 AS1528.3	0.32
FTWE07621645LG304	G304	76.20 x 1.6mm (3")	ELBOW 45DEG G304 AS1528.3	0.42
FTWE10161645LG304	G304	101.6 x 1.6mm (4")	ELBOW 45DEG G304 AS1528.3	0.68
FTWE12701645LG304	G304	127.0 x 1.6mm (5")	ELBOW 45DEG G304 AS1528.3	1.50
FTWE15242045LG304	G304	152.4 x 2.0mm (6")	ELBOW 45DEG G304 AS1528.3	1.85
FTWE02541645LG316	G316	25.40 x 1.6mm (1")	ELBOW 45DEG G316 AS1528.3	0.09
FTWE03181645LG316	G316	31.80 x 1.6mm (1-1/4")	ELBOW 45DEG G316 AS1528.3	0.12
FTWE03811645LG316	G316	38.10 x 1.6mm (1-1/2")	ELBOW 45DEG G316 AS1528.3	0.15
FTWE04451645LG316	G316	44.45 x 1.6mm (1-3/4")	ELBOW 45DEG G316 AS1528.3	0.20
FTWE05081645LG316	G316	50.80 x 1.6mm (2")	ELBOW 45DEG G316 AS1528.3	0.23
FTWE06351645LG316	G316	63.50 x 1.6mm (2-1/2")	ELBOW 45DEG G316 AS1528.3	0.32
FTWE07621645LG316	G316	76.20 x 1.6mm (3")	ELBOW 45DEG G316 AS1528.3	0.44
FTWE10161645LG316	G316	101.6 x 1.6mm (4")	ELBOW 45DEG G316 AS1528.3	0.68
FTWE12701645LG316	G316	127.0 x 1.6mm (5")	ELBOW 45DEG G316 AS1528.3	1.20
FTWE15242045LG316	G316	152.4 x 2.0mm (6")	ELBOW 45DEG G316 AS1528.3	1.86
FTWE20322045LG316	G316	203.2 x 2.0mm (8")	ELBOW 45DEG G316 AS1528.3	2.50

Diameter mm	Inch	Dim A mm	Dim B mm	Radius* mm
19.05	3/4	110.5	30.0	28.7
25.40	1	123.0	30.0	37.1
31.80	1-1/4	136.0	30.0	47.6
38.10	1-1/2	148.0	30.0	57.2
44.45	1-3/4	193.6	38.1	79.4
50.80	2	174.0	30.0	76.2
63.50	2-1/2	199.0	30.0	95.3
76.20	3	225.0	30.0	114.3
101.6	4	275.0	30.0	152.4
127.0	5	350.6	40.0	190.5
152.4	6	401.4	40.0	228.6

Tolerances: Diameter ± 0.5% of OD, Square Target 0.2mm, Max 0.4mm, Dim A ± 1.5mm, Dim B Nominal, Radius Nominal

**Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.*

Elbows / Bends

45° Long Leg Elbows

Grades: 304
Unit of Supply: Each

Finish: Polished

FTWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWE03811245LG304LL	G304	38.10 x 1.2mm (1-1/2")	ELBOW 45DEG G304 LONG LEG	0.15
FTWE05081245LG304LL	G304	50.80 x 1.2mm (2")	ELBOW 45DEG G304 LONG LEG	0.20
FTWE06351245LG304LL	G304	63.50 x 1.2mm (2-1/2")	ELBOW 45DEG G304 LONG LEG	0.30
FTWE07621645LG304LL	G304	76.20 x 1.6mm (3")	ELBOW 45DEG G304 LONG LEG	0.50
FTWE10161645LG304LL	G304	101.6 x 1.6mm (4")	ELBOW 45DEG G304 LONG LEG	1.00

Diameter mm	Inch	Dim A mm	Dim B mm	Radius* mm
31.80	1-1/4	188.5	47.80	57.2
38.10	1-1/2	227.8	54.90	76.2
50.80	2	281.0	63.80	101.6
63.50	2-1/2	361.2	89.10	114.3
76.20	3	462.9	118.1	139.7

Tolerances: Diameter ± 0.5% of OD, Square Target 0.2mm, Max 0.4mm, Dim A ± 1.5mm, Dim B Nominal, Radius Nominal

**Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.*

Elbows / Bends

180° Elbows

Grades: 304, 316
Unit of Supply: Each

Finish: Polished
Certification: Some sizes acc. to AS 1528.3

FTWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWE025416180G304	G304	25.40 x 1.6mm (1")	ELBOW 180DEG G304	0.16
FTWE031816180G304	G304	31.80 x 1.6mm (1-1/4")	ELBOW 180DEG G304	0.28
FTWE038116180G304	G304	38.10 x 1.6mm (1-1/2")	ELBOW 180DEG G304	0.43
FTWE050816180G304	G304	50.80 x 1.6mm (2")	ELBOW 180DEG G304	0.70
FTWE063516180G304	G304	63.50 x 1.6mm (2-1/2")	ELBOW 180DEG G304	1.02
FTWE076216180G304	G304	76.20 x 1.6mm (3")	ELBOW 180DEG G304	1.46
FTWE101616180G304	G304	101.6 x 1.6mm (4")	ELBOW 180DEG G304	2.00
FTWE025416180G316	G316	25.40 x 1.6mm (1")	ELBOW 180DEG G316	0.16
FTWE031816180G316	G316	31.80 x 1.6mm (1-1/4")	ELBOW 180DEG G316	0.28
FTWE038116180G316	G316	38.10 x 1.6mm (1-1/2")	ELBOW 180DEG G316	0.43
FTWE044516180G316	G316	44.45 x 1.6mm (1-3/4")	ELBOW 180DEG G316	0.61
FTWE050816180G316	G316	50.80 x 1.6mm (2")	ELBOW 180DEG G316	0.76
FTWE063516180G316	G316	63.50 x 1.6mm (2-1/2")	ELBOW 180DEG G316	1.02
FTWE076216180G316	G316	76.20 x 1.6mm (3")	ELBOW 180DEG G316	1.46
FTWE101616180G316	G316	101.6 x 1.6mm (4")	ELBOW 180DEG G316	2.00

180° Elbows - NZ Standard

Diameter mm	Inch	Dim A mm	Dim B mm	Radius* mm
31.80	1-1/4	104.9	31.8	57.2
38.10	1-1/2	130.2	34.9	76.2
44.45	1-3/4	139.8	38.1	79.4
50.80	2	158.8	31.8	101.6
63.50	2-1/2	184.2	38.1	114.3
76.20	3	215.9	38.1	139.7

Tolerances: Dim A ± 1mm, Dim B Nominal, Dim C Nominal – typically 2 x R x 1.03. If critical to your end use, please talk to us first

180° Elbows - Australian Standard

Diameter mm	Inch	Dim A mm	Dim B mm	Radius* mm
25.40	1	80.8	30.0	38.1
101.6	4	233.2	30.0	152.4

Tolerances: Dim A ± 1mm, Dim B Nominal, Dim C Nominal – typically 2 x R x 1.03. If critical to your end use, please talk to us first

**Nominal dimensions only. Typically a bend is formed to a slightly tighter radius to allow for a radial growth growth and springback. The "A" dimension will always be correct.*

Tees

Equal

Swept

Long Leg

Equal Tees

Grades: 304, 316
Unit of Supply: Each

FTWTE

Types: Equal, Swept, Long Leg
Finish: Polished
Certification: Some sizes acc. to AS 1528.3

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FTWTE012716G316	G316	EQUAL	12.70 x 1.6mm (1/2")	EQUAL TEE TUBE G316 AS1528.3	0.03
FTWTE015916G316	G316	EQUAL	15.88 x 1.6mm (5/8")	EQUAL TEE TUBE G316 AS1528.3	0.05
FTWTE019016G316	G316	EQUAL	19.05 x 1.6mm (3/4")	EQUAL TEE TUBE G316 AS1528.3	0.06
FTWTE025416G316	G316	EQUAL	25.40 x 1.6mm (1")	EQUAL TEE TUBE G316 AS1528.3	0.09
FTWTE031816G316	G316	EQUAL	31.80 x 1.6mm (1-1/4")	EQUAL TEE TUBE G316 AS1528.3	0.15
FTWTE038116G316	G316	EQUAL	38.10 x 1.6mm (1-1/2")	EQUAL TEE TUBE G316 AS1528.3	0.22
FTWTE050816G316	G316	EQUAL	50.80 x 1.6mm (2")	EQUAL TEE TUBE G316 AS1528.3	0.39
FTWTE063516G316	G316	EQUAL	63.50 x 1.6mm (2-1/2")	EQUAL TEE TUBE G316 AS1528.3	0.69
FTWTE076216G316	G316	EQUAL	76.20 x 1.6mm (3")	EQUAL TEE TUBE G316 AS1528.3	0.89
FTWTE101616G316	G316	EQUAL	101.6 x 1.6mm (4")	EQUAL TEE TUBE G316 AS1528.3	1.62
FTWTE152420G316	G316	EQUAL	152.4 x 2.0mm (6")	EQUAL TEE TUBE G316 AS1528.3	2.60
FTWTES012716G316	G316	SWEPT	12.70 x 1.6mm (1/2")	SWEPT EQUAL TEE G316	0.04
FTWTES015816G316	G316	SWEPT	15.88 x 1.6mm (5/8")	SWEPT EQUAL TEE G316	0.08
FTWTES019016G316	G316	SWEPT	19.05 x 1.6mm (3/4")	SWEPT EQUAL TEE G316	0.09
FTWTES025416G316	G316	SWEPT	25.40 x 1.6mm (1")	SWEPT EQUAL TEE G316	0.09
FTWTES031816G316	G316	SWEPT	31.80 x 1.6mm (1-1/4")	SWEPT EQUAL TEE T316	0.15
FTWTES038116G316	G316	SWEPT	38.10 x 1.6mm (1-1/2")	SWEPT EQUAL TEE G316	0.22
FTWTES050816G316	G316	SWEPT	50.80 x 1.6mm (2")	SWEPT EQUAL TEE G316	0.39
FTWTES063516G316	G316	SWEPT	63.50 x 1.6mm (2-1/2")	SWEPT EQUAL TEE G316	0.61
FTWTES076216G316	G316	SWEPT	76.20 x 1.6mm (3")	SWEPT EQUAL TEE G316	0.89
FTWTES101616G316	G316	SWEPT	101.6 x 1.6mm (4")	SWEPT EQUAL TEE G316	1.62
FTWTES152420G316	G316	SWEPT	152.4 x 2.0mm (6")	SWEPT EQUAL TEE G316	2.50
FTWTE031816G304LL	G304	LONG LEG	31.80 x 1.6mm (1-1/4")	EQUAL TEE TUBE G304 LONG LEG	0.15
FTWTE038116G304LL	G304	LONG LEG	38.10 x 1.6mm (1-1/2")	EQUAL TEE TUBE G304 LONG LEG	0.22
FTWTE050816G304LL	G304	LONG LEG	50.80 x 1.6mm (2")	EQUAL TEE TUBE G304 LONG LEG	0.45
FTWTE063516G304LL	G304	LONG LEG	63.50 x 1.6mm (2-1/2")	EQUAL TEE TUBE G304 LONG LEG	0.70
FTWTE076216G304LL	G304	LONG LEG	76.20 x 1.6mm (3")	EQUAL TEE TUBE G304 LONG LEG	0.93
FTWTE050816G316LL	G316	LONG LEG	50.80 x 1.6mm (2")	EQUAL TEE TUBE G316 LONG LEG	0.45

Tees

Equal Pulled Tees

Grades: 316
Unit of Supply: Each

FTWPT

Finish: Polished
Certification: Some sizes acc. to AS 1528.3

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWPT019016G316	G316	19.05 x 1.6mm (3/4")	PULLED SPIGGOT TEE TUBE G316	0.32
FTWPT025416G316	G316	25.40 x 1.6mm (1")	PULLED SPIGGOT TEE TUBE G316	0.32
FTWPT031816G316	G316	31.80 x 1.6mm (1-1/4")	PULLED SPIGGOT TEE TUBE G316	0.32
FTWPT038116G316	G316	38.10 x 1.6mm (1-1/2")	PULLED SPIGGOT TEE TUBE G316	0.32
FTWPT050816G316	G316	50.80 x 1.6mm (2")	PULLED SPIGGOT TEE TUBE G316	0.32
FTWPT063516G316	G316	63.50 x 1.6mm (2-1/2")	PULLED SPIGGOT TEE TUBE G316	0.32
FTWPT076216G316	G316	76.20 x 1.6mm (3")	PULLED SPIGGOT TEE TUBE G316	0.65
FTWPT101616G316	G316	101.6 x 1.6mm (4")	PULLED SPIGGOT TEE TUBE G316	0.84
FTWPT154020G316	G316	152.4 x 2.0mm (6")	PULLED SPIGGOT TEE TUBE G316	1.55
FTWPT203220G316	G316	203.2 x 2.0mm (8")	PULLED SPIGGOT TEE TUBE G316	2.26

Reducing Pulled Tees

Grades: 316
Unit of Supply: Each

FTWRT

Finish: Polished

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWRT0381025416G316	G316	38.10 x 25.40mm (1-1/2" x 1")	REDUCING PULLED TEE TUBE G316	0.17
FTWRT0508025416G316	G316	50.80 x 25.40mm (2" x 1")	REDUCING PULLED TEE TUBE G316	0.29
FTWRT0508038116G316	G316	50.80 x 38.10mm (2" x 1-1/2")	REDUCING PULLED TEE TUBE G316	0.29
FTWRT0635025416G316	G316	63.50 x 25.40mm (2-1/2" x 1")	REDUCING PULLED TEE TUBE G316	1.15
FTWRT0635038116G316	G316	63.50 x 38.10mm (2-1/2" x 1-1/2")	REDUCING PULLED TEE TUBE G316	1.15
FTWRT0635050816G316	G316	63.50 x 50.80mm (2-1/2" x 2")	REDUCING PULLED TEE TUBE G316	1.15
FTWRT0762038116G316	G316	76.20 x 38.10mm (3" x 1-1/2")	REDUCING PULLED TEE TUBE G316	0.68
FTWRT0762050816G316	G316	76.20 x 50.80mm (3" x 2")	REDUCING PULLED TEE TUBE G316	0.65
FTWRT0762063516G316	G316	76.20 x 63.50mm (3" x 2-1/2")	REDUCING PULLED TEE TUBE G316	0.68
FTWRT1016025416G316	G316	101.6 x 25.40mm (4" x 1")	REDUCING PULLED TEE TUBE G316	0.79
FTWRT1016038116G316	G316	101.6 x 38.10mm (4" x 1-1/2")	REDUCING PULLED TEE TUBE G316	0.79
FTWRT1016050816G316	G316	101.6 x 50.80mm (4" x 2")	REDUCING PULLED TEE TUBE G316	0.82
FTWRT1016063516G316	G316	101.6 x 63.50mm (4" x 2-1/2")	REDUCING PULLED TEE TUBE G316	0.82
FTWRT1016076216G316	G316	101.6 x 76.20mm (4" x 3")	REDUCING PULLED TEE TUBE G316	0.82
FTWRT1524OD101620G316	G316	152.4 x 101.6mm x 2mm (6" x 4")	REDUCING PULLED TEE TUBE G316	2.55
FTWRT2032OD152420G316	G316	203.2 x 152.4mm x 2mm (8" x 6")	REDUCING PULLED TEE TUBE G316	5.00

Concentric and Eccentric Reducers

Concentric Reducers

Grades: 316
Type: Plain, Ultibend

Unit of Supply: Each
Finish: Polished
Certification: Some sizes acc. to AS 1528.3

FTWRC

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FTWRC01900D01270D16G316	G316	PLAIN	19.05 x 12.70mm (3/4" x 1/2")	CONCENTRIC REDUCER TUBE G316	0.01
FTWRC02540D01270D16G316	G316	PLAIN	25.40 x 12.70mm (1" x 1/2")	CONCENTRIC REDUCER TUBE G316	0.02
FTWRC02540D01900D16G316	G316	PLAIN	25.40 x 19.05mm (1" x 3/4")	CONCENTRIC REDUCER TUBE G316	0.03
FTWRC03180D01900D16G316	G316	PLAIN	31.80 x 19.05mm (1-1/4" x 3/4")	CONCENTRIC REDUCER TUBE G316	0.04
FTWRC03180D02540D16G316	G316	PLAIN	31.80 x 25.40mm (1-1/4" x 1")	CONCENTRIC REDUCER TUBE G316	0.04
FTWRC03810D01900D16G316	G316	PLAIN	38.10 x 19.05mm (1-1/2" x 3/4")	CONCENTRIC REDUCER TUBE G316	0.04
FTWRC03810D02540D16G316	G316	PLAIN	38.10 x 25.40mm (1-1/2" x 1")	CONCENTRIC REDUCER TUBE G316	0.04
FTWRC03810D03180D16G316	G316	PLAIN	38.10 x 31.80mm (1-1/2" x 1-1/4")	CONCENTRIC REDUCER TUBE G316	0.04
FTWRC05080D02540D16G316	G316	PLAIN	50.80 x 25.40mm (2" x 1")	CONCENTRIC REDUCER TUBE G316	0.07
FTWRC05080D03180D16G316	G316	PLAIN	50.80 x 31.80mm (2" x 1-1/4")	CONCENTRIC REDUCER TUBE G316	0.07
FTWRC05080D03810D16G316	G316	PLAIN	50.80 x 38.10mm (2" x 1-1/2")	CONCENTRIC REDUCER TUBE G316	0.07
FTWRC06350D02540D16G316	G316	PLAIN	63.50 x 25.40mm (2-1/2" x 1")	CONCENTRIC REDUCER TUBE G316	0.10
FTWRC06350D03180D16G316	G316	PLAIN	63.50 x 31.80mm (2-1/2" x 1-1/4")	CONCENTRIC REDUCER TUBE G316	0.10
FTWRC06350D03810D16G316	G316	PLAIN	63.50 x 38.10mm (2-1/2" x 1-1/2")	CONCENTRIC REDUCER TUBE G316	0.10
FTWRC06350D05080D16G316	G316	PLAIN	63.50 x 50.80mm (2-1/2" x 2")	CONCENTRIC REDUCER TUBE G316	0.11
FTWRC07620D02540D16G316	G316	PLAIN	76.20 x 25.40mm (3" x 1")	CONCENTRIC REDUCER TUBE G316	0.12
FTWRC07620D03810D16G316	G316	PLAIN	76.20 x 38.10mm (3" x 1-1/2")	CONCENTRIC REDUCER TUBE G316	0.13
FTWRC07620D05080D16G316	G316	PLAIN	76.20 x 50.80mm (3" x 2")	CONCENTRIC REDUCER TUBE G316	0.14
FTWRC07620D06350D16G316	G316	PLAIN	76.20 x 63.50mm (3" x 2-1/2")	CONCENTRIC REDUCER TUBE G316	0.15
FTWRC10160D02540D16G316	G316	PLAIN	101.6 x 25.40mm (4" x 1")	CONCENTRIC REDUCER TUBE G316	0.18
FTWRC10160D03810D16G316	G316	PLAIN	101.6 x 38.10mm (4" x 1-1/2")	CONCENTRIC REDUCER TUBE G316	0.18
FTWRC10160D05080D16G316	G316	PLAIN	101.6 x 50.80mm (4" x 2")	CONCENTRIC REDUCER TUBE G316	0.21
FTWRC10160D06350D16G316	G316	PLAIN	101.6 x 63.50mm (4" x 2-1/2")	CONCENTRIC REDUCER TUBE G316	0.23
FTWRC10160D07620D16G316	G316	PLAIN	101.6 x 76.20mm (4" x 3")	CONCENTRIC REDUCER TUBE G316	0.20
FTWRC12700D07620D20G316	G316	PLAIN	127.0 x 76.20mm (5" x 3")	CONCENTRIC REDUCER TUBE G316	0.67
FTWRC12700D10160D20G316	G316	PLAIN	127.0 OD x 101.6mm OD x 2mm (5" x 4")	CONCENTRIC REDUCER TUBE G316	0.67
FTWRC15240D07620D20G316	G316	PLAIN	152.4 OD x 76.20mm OD x 2mm (6" x 3")	CONCENTRIC REDUCER TUBE G316	0.67
FTWRC15240D10160D20G316	G316	PLAIN	152.4 OD x 101.6mm OD x 2mm (6" x 4")	CONCENTRIC REDUCER TUBE G316	0.75
FTWRC15240D12700D20G316	G316	PLAIN	152.4 OD x 127.0mm OD x 2mm (6" x 5")	CONCENTRIC REDUCER TUBE G316	0.75
FTWRC20320D10160D20G316	G316	PLAIN	203.2 OD x 101.6mm OD x 2mm (8" x 4")	CONCENTRIC REDUCER TUBE G316	1.10
FTWRC20320D15240D20G316	G316	PLAIN	203.2 OD x 152.4mm OD x 2mm (8" x 6")	CONCENTRIC REDUCER TUBE G316	1.10
FTWRC2032ID07620D20G316	G316	PLAIN	203.2 ID x 76.20mm OD x 2mm (8" x 3")	CONCENTRIC REDUCER TUBE G316	1.00
FTWRC2032ID10160D20G316	G316	PLAIN	203.2 ID x 101.6mm OD x 2mm (8" x 4")	CONCENTRIC REDUCER TUBE G316	1.00
FTWRC2032ID15240D20G316	G316	PLAIN	203.2 ID x 152.4mm OD x 2mm (8" x 6")	CONCENTRIC REDUCER TUBE G316	1.00
FTWRC2540ID10160D20G316	G316	PLAIN	254.0 ID x 101.6mm OD x 2mm (10" x 4")	CONCENTRIC REDUCER TUBE G316	1.00
FTWRC2540ID15240D20G316	G316	PLAIN	254.0 ID x 152.4mm OD x 2mm (10" x 6")	CONCENTRIC REDUCER TUBE G316	2.00
FTWRC2540ID2032ID20G316	G316	PLAIN	254.0 ID x 203.2mm ID x 2mm (10" x 8")	CONCENTRIC REDUCER TUBE G316	2.20
FTWRC3048ID2032ID20G316	G316	PLAIN	304.8 ID x 203.2mm ID x 2mm (12" x 8")	CONCENTRIC REDUCER TUBE G316	2.30

Concentric and Eccentric Reducers

Concentric Reducers - Long Leg

Grades: 304
Type: Long Leg

Unit of Supply: Each
Finish: Polished

FTWRCR

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FTWRCR03810318G304LL	G304	LL	38.10 x 31.80mm (1-1/2" x 1-1/4")	CONCENTRIC REDUCER TUBE G304 LONG LEG	0.11
FTWRCR05080381G304LL	G304	LL	50.80 x 38.10mm (2" x 1-1/2")	CONCENTRIC REDUCER TUBE G304 LONG LEG	0.15
FTWRCR06350508G304LL	G304	LL	63.50 x 50.80mm (2-1/2" x 2")	CONCENTRIC REDUCER TUBE G304 LONG LEG	0.20

Eccentric Reducers

Grades: 316
Type: Plain, Ultibend

Unit of Supply: Each
Finish: Polished
Certification: Some sizes acc. to AS 1528.3

FTWRE

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FTWRE01900D01270D16G316	G316	PLAIN	19.05 x 12.70mm (3/4" x 1/2")	ECCENTRIC REDUCER TUBE G316	0.01
FTWRE02540D01900D16G316	G316	PLAIN	25.40 x 19.05mm (1" x 3/4")	ECCENTRIC REDUCER TUBE G316	0.01
FTWRE03180D02540D16G316	G316	PLAIN	31.80 x 25.40mm (1-1/4" x 1")	ECCENTRIC REDUCER TUBE G316	0.03
FTWRE03810D02540D16G316	G316	PLAIN	38.10 x 25.40mm (1-1/2" x 1")	ECCENTRIC REDUCER TUBE G316	0.04
FTWRE03810D03180D16G316	G316	PLAIN	38.10 x 31.80mm (1-1/2" x 1-1/4")	ECCENTRIC REDUCER TUBE G316	0.35
FTWRE05080D02540D16G316	G316	PLAIN	50.80 x 25.40mm (2" x 1")	ECCENTRIC REDUCER TUBE G316	0.06
FTWRE05080D03180D16G316	G316	PLAIN	50.80 x 31.80mm (2" x 1-1/4")	ECCENTRIC REDUCER TUBE G316	0.05
FTWRE05080D03810D16G316	G316	PLAIN	50.80 x 38.10mm (2" x 1-1/2")	ECCENTRIC REDUCER TUBE G316	0.05
FTWRE06350D02540D16G316	G316	PLAIN	63.50 x 25.40mm (2-1/2" x 1")	ECCENTRIC REDUCER TUBE G316	0.09
FTWRE06350D03810D16G316	G316	PLAIN	63.50 x 38.10mm (2-1/2" x 1-1/2")	ECCENTRIC REDUCER TUBE G316	0.09
FTWRE06350D05080D16G316	G316	PLAIN	63.50 x 50.80mm (2-1/2" x 2")	ECCENTRIC REDUCER TUBE G316	0.11
FTWRE07620D02540D16G316	G316	PLAIN	76.20 x 25.40mm (3" x 1")	ECCENTRIC REDUCER TUBE G316	0.12
FTWRE07620D03810D16G316	G316	PLAIN	76.20 x 38.10mm (3" x 1-1/2")	ECCENTRIC REDUCER TUBE G316	0.13
FTWRE07620D05080D16G316	G316	PLAIN	76.20 x 50.80mm (3" x 2")	ECCENTRIC REDUCER TUBE G316	0.15
FTWRE07620D06350D16G316	G316	PLAIN	76.20 x 63.50mm (3" x 2-1/2")	ECCENTRIC REDUCER TUBE G316	0.15
FTWRE10160D02540D16G316	G316	PLAIN	101.6 x 25.40mm (4" x 1")	ECCENTRIC REDUCER TUBE G316	0.19
FTWRE10160D03810D16G316	G316	PLAIN	101.6 x 38.10mm (4" x 1-1/2")	ECCENTRIC REDUCER TUBE G316	0.19
FTWRE10160D05080D16G316	G316	PLAIN	101.6 x 50.80mm (4" x 2")	ECCENTRIC REDUCER TUBE G316	0.22
FTWRE10160D06350D16G316	G316	PLAIN	101.6 x 63.50mm (4" x 2-1/2")	ECCENTRIC REDUCER TUBE G316	0.22
FTWRE10160D07620D16G316	G316	PLAIN	101.6 x 76.20mm (4" x 3")	ECCENTRIC REDUCER TUBE G316	0.21
FTWRE1270D10160D16G316	G316	PLAIN	127.0 x 101.6mm (5" x 4")	ECCENTRIC REDUCER TUBE G316	0.59
FTWRE15240D07620D20G316	G316	PLAIN	152.4 x 76.20mm (6" x 3")	ECCENTRIC REDUCER TUBE G316	1.00
FTWRE15240D10160D20G316	G316	PLAIN	152.4 x 101.6mm (6" x 4")	ECCENTRIC REDUCER TUBE G316	1.00

RJT Fittings

Slotted Round Nuts

Grades: 304 **Unit of Supply:** Each

FTRSN

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTRSN0254G304	G304	25.40mm (1")	RJT SLOTTED ROUND NUT G304	0.19
FTRSN0381G304	G304	38.10mm (1-1/2")	RJT SLOTTED ROUND NUT G304	0.18
FTRSN0508G304	G304	50.80mm (2")	RJT SLOTTED ROUND NUT G304	0.28
FTRSN0635G304	G304	63.50mm (2-1/2")	RJT SLOTTED ROUND NUT G304	0.31
FTRSN0762G304	G304	76.20mm (3")	RJT SLOTTED ROUND NUT G304	0.42
FTRSN1016G304	G304	101.6mm (4")	RJT SLOTTED ROUND NUT G304	0.76
FTRSN1270G304	G304	127.0mm (5")	RJT SLOTTED ROUND NUT G304	1.29
FTRSN1524G304	G304	152.4mm (6")	RJT SLOTTED ROUND NUT G304	1.31

Hexagon Nuts

Grades: 304 **Unit of Supply:** Each

FTRHN

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTRHN0254G304	G304	25.40mm (1")	RJT HEX NUT G304	0.14
FTRHN0381G304	G304	38.10mm (1-1/2")	RJT HEX NUT G304	0.21
FTRHN0508G304	G304	50.80mm (2")	RJT HEX NUT G304	0.29
FTRHN0635G304	G304	63.50mm (2-1/2")	RJT HEX NUT G304	0.36
FTRHN0762G304	G304	76.20mm (3")	RJT HEX NUT G304	0.42
FTRHN1016G304	G304	101.6mm (4")	RJT HEX NUT G304	0.56

Male Part

Grades: 316 **Unit of Supply:** Each

FTRMP

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTRMP0254G316	G316	25.40mm (1")	RJT MALE PART G316	0.08
FTRMP0381G316	G316	38.10mm (1-1/2")	RJT MALE PART G316	0.13
FTRMP0508G316	G316	50.80mm (2")	RJT MALE PART G316	0.21
FTRMP0635G316	G316	63.50mm (2-1/2")	RJT MALE PART G316	0.26
FTRMP0762G316	G316	76.20mm (3")	RJT MALE PART G316	0.29
FTRMP1016G316	G316	101.6mm (4")	RJT MALE PART G316	0.37
FTRMP1270G316	G316	127.0mm (5")	RJT MALE PART G316	0.65
FTRMP1524G316	G316	152.4mm (6")	RJT MALE PART G316	0.65

RJT Fittings

Sanitary Liner

Grades: 316 **Unit of Supply:** Each

FTRSL

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTRSL0254G316	G316	25.40mm (1")	RJT SANITARY LINERS G316	0.07
FTRSL0381G316	G316	38.10mm (1-1/2")	RJT SANITARY LINERS G316	0.12
FTRSL0508G316	G316	50.80mm (2")	RJT SANITARY LINERS G316	0.13
FTRSL0635G316	G316	63.50mm (2-1/2")	RJT SANITARY LINERS G316	0.16
FTRSL0762G316	G316	76.20mm (3")	RJT SANITARY LINERS G316	0.20
FTRSL1016G316	G316	101.6mm (4")	RJT SANITARY LINERS G316	0.30
FTRSL1270G316	G316	127.0mm (5")	RJT SANITARY LINERS G316	0.30
FTRSL1524G316	G316	152.4mm (6")	RJT SANITARY LINERS G316	0.43

Sanitary Step Seals

Types: Nitrile (typically Blue) or EPDM (typically Green)

FTRSS

Product Code	Type	Product Size (mm)	Description	Weight ea (kg)
FTRSS0254GREEN	EPDM GREEN	25.40mm (1")	RJT SANITARY STEP SEAL EPDM GREEN	0.01
FTRSS0381GREEN	EPDM GREEN	38.10mm (1-1/2")	RJT SANITARY STEP SEAL EPDM GREEN	0.01
FTRSS0508GREEN	EPDM GREEN	50.80mm (2")	RJT SANITARY STEP SEAL EPDM GREEN	0.01
FTRSS0635GREEN	EPDM GREEN	63.50mm (2-1/2")	RJT SANITARY STEP SEAL EPDM GREEN	0.02
FTRSS0762GREEN	EPDM GREEN	76.20mm (3")	RJT SANITARY STEP SEAL EPDM GREEN	0.03
FTRSS1016GREEN	EPDM GREEN	101.6mm (4")	RJT SANITARY STEP SEAL EPDM GREEN	0.03
FTRSS1524GREEN	EPDM GREEN	152.4mm (6")	RJT SANITARY STEP SEAL EPDM GREEN	0.05
FTRSS0254BLUE	NITRILE BLUE	25.40mm (1")	RJT SANITARY STEP SEAL NITRILE BLUE	0.01
FTRSS0381BLUE	NITRILE BLUE	38.10mm (1-1/2")	RJT SANITARY STEP SEAL NITRILE BLUE	0.01
FTRSS0508BLUE	NITRILE BLUE	50.80mm (2")	RJT SANITARY STEP SEAL NITRILE BLUE	0.01
FTRSS0635BLUE	NITRILE BLUE	63.50mm (2-1/2")	RJT SANITARY STEP SEAL NITRILE BLUE	0.02
FTRSS0762BLUE	NITRILE BLUE	76.20mm (3")	RJT SANITARY STEP SEAL NITRILE BLUE	0.03
FTRSS1016BLUE	NITRILE BLUE	101.6mm (4")	RJT SANITARY STEP SEAL NITRILE BLUE	0.03
FTRSS1270BLUE	NITRILE BLUE	127.0mm (5")	RJT SANITARY STEP SEAL NITRILE BLUE	0.04
FTRSS1524BLUE	NITRILE BLUE	152.4mm (6")	RJT SANITARY STEP SEAL NITRILE BLUE	0.05

C Spanner

Grades: 304 **Unit of Supply:** Each

FTRSN

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTRCSPANNER		25.40mm x 152.4mm	C SPANNER	0.50

RJT Fittings

Blank Liner

Grades: 304, 316 **Unit of Supply:** Each

FTRBL

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTRBL0254G304	G304	25.40mm (1")	RJT BLANK LINER G304	0.03
FTRBL0381G304	G304	38.10mm (1-1/2")	RJT BLANK LINER G304	0.05
FTRBL0508G304	G304	50.80mm (2")	RJT BLANK LINER G304	0.08
FTRBL0635G304	G304	63.50mm (2-1/2")	RJT BLANK LINER G304	0.11
FTRBL0762G304	G304	76.20mm (3")	RJT BLANK LINER G304	0.14
FTRBL1016G304	G304	101.6mm (4")	RJT BLANK LINER G304	0.23
FTRBL1524G304	G304	152.4mm (6")	RJT BLANK LINER G304	0.47
FTRBL0254G316	G316	25.40mm (1")	RJT BLANK LINER G316	0.03
FTRBL0381G316	G316	38.10mm (1-1/2")	RJT BLANK LINER G316	0.05
FTRBL0508G316	G316	50.80mm (2")	RJT BLANK LINER G316	0.08
FTRBL0635G316	G316	63.50mm (2-1/2")	RJT BLANK LINER G316	0.11
FTRBL0762G316	G316	76.20mm (3')	RJT BLANK LINER G316	0.14
FTRBL1016G316	G316	101.6mm (4')	RJT BLANK LINER G316	0.23
FTRBL1524G316	G316	152.4mm (6")	RJT BLANK LINER G316	0.47

O-Rings

Type: Nitrile Blue **Unit of Supply:** Each

FTROR

Product Code	Type	Product Size (mm)	Description	Weight ea (kg)
FTROR0254BLUE	NITRILE BLUE	25.40mm (1")	RJT O-RING NITRILE BLUE	0.01
FTROR0381BLUE	NITRILE BLUE	38.10mm (1-1/2")	RJT O-RING NITRILE BLUE	0.01
FTROR0508BLUE	NITRILE BLUE	50.80mm (2")	RJT O-RING NITRILE BLUE	0.01
FTROR0635BLUE	NITRILE BLUE	63.50mm (2-1/2")	RJT O-RING NITRILE BLUE	0.01
FTROR0762BLUE	NITRILE BLUE	76.20mm (3")	RJT O-RING NITRILE BLUE	0.01
FTROR1016BLUE	NITRILE BLUE	101.6mm (4")	RJT O-RING NITRILE BLUE	0.02
FTROR1524BLUE	NITRILE BLUE	152.4mm (6")	RJT O-RING NITRILE BLUE	0.02

Tri Fittings

Tri Clamps

Grades: 304 **Unit of Supply:** Each

FTTCL

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTTCL01270195G304	G304	12.7 - 19.05 mm (1/2"-3/4")	TRI CLAMP G304	0.15
FTTCL02540381G304	G304	25.4 - 38.1mm (1" - 1-1/2")	TRI CLAMP G304	0.24
FTTCL0508G304	G304	50.80mm (2")	TRI CLAMP G304	0.28
FTTCL0635G304	G304	63.50mm (2-1/2")	TRI CLAMP G304	0.32
FTTCL0762G304	G304	76.20mm (3")	TRI CLAMP G304	0.37
FTTCL1016G304	G304	101.6mm (4")	TRI CLAMP G304	0.47
FTTCL1524G304	G304	152.4mm (6")	TRI CLAMP G304	0.83
FTTCL2032G304	G304	203.2mm (8")	TRI CLAMP G304	1.07

Tri Gasket Seals

Type: EPDM **Unit of Supply:** Each

FTTG

Product Code	Type	Product Size (mm)	Description	Weight ea (kg)
FTTG0127EPDM	EPDM	12.7 mm (1/2")	TRI GASKET SEAL EPDM	0.09
FTTG0195EPDM	EPDM	19.05 mm (3/4")	TRI GASKET SEAL EPDM	0.07
FTTG0254EPDM	EPDM	25.40mm (1")	TRI GASKET SEAL EPDM	0.01
FTTG0318EPDM	EPDM	31.80mm (1-1/4")	TRI GASKET SEAL EPDM	0.01
FTTG0381EPDM	EPDM	38.10mm (1-1/2")	TRI GASKET SEAL EPDM	0.01
FTTG0508EPDM	EPDM	50.80mm (2")	TRI GASKET SEAL EPDM	0.01
FTTG0635EPDM	EPDM	63.50mm (2-1/2")	TRI GASKET SEAL EPDM	0.01
FTTG0762EPDM	EPDM	76.20mm (3")	TRI GASKET SEAL EPDM	0.01
FTTG1016EPDM	EPDM	101.6mm (4")	TRI GASKET SEAL EPDM	0.01
FTTG1524EPDM	EPDM	152.4mm (6")	TRI GASKET SEAL EPDM	0.01
FTTG203EPDM	EPDM	203.2mm (8")	TRI GASKET SEAL EPDM	0.01

Tri Blanks

Grades: 316 **Unit of Supply:** Each

FTTBL

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTTBL01270195G316	G316	12.7 - 19.05 mm (1/2"-3/4")	TRI BLANK G316	0.01
FTTBL02540381G316	G316	25.4 - 38.1mm (1" - 1-1/2")	TRI BLANK G316	0.24
FTTBL0508G316	G316	50.80mm (2")	TRI BLANK G316	0.28
FTTBL0635G316	G316	63.50mm (2-1/2")	TRI BLANK G316	0.32
FTTBL0762G316	G316	76.20mm (3")	TRI BLANK G316	0.37
FTTBL1016G316	G316	101.6mm (4")	TRI BLANK G316	0.47
FTTBL1524G316	G316	152.4mm (6")	TRI BLANK G316	0.83
FTTBL2032G316	G316	203.2mm (6")	TRI BLANK G316	1.07

Tri Fittings

Tri Ferrules Butt Weld

Grades: 316
Types: Short, Medium & Long

Unit of Supply: Each

FTTF

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FTTF0195G316S	G316	SHORT	19.05 x 12.7mm (3/4")	TRI FERRULE SHORT G316 - 14WMP AS1528.4	0.02
FTTF0254G316S	G316	SHORT	25.40 x 12.7mm (1")	TRI FERRULE SHORT G316 - 14WMP AS1528.4	0.07
FTTF0318G316S	G316	SHORT	31.80 x 12.7mm (1-1/4")	TRI FERRULE SHORT G316 - 14WMP AS1528.4	0.05
FTTF0381G316S	G316	SHORT	38.10 x 12.7mm (1-1/2")	TRI FERRULE SHORT G316 - 14WMP AS1528.4	0.04
FTTF0508G316S	G316	SHORT	50.80 x 12.7mm (2")	TRI FERRULE SHORT G316 - 14WMP AS1528.4	0.07
FTTF0635G316S	G316	SHORT	63.50 x 12.7mm (2-1/2")	TRI FERRULE SHORT G316 - 14WMP AS1528.4	0.08
FTTF0762G316S	G316	SHORT	76.20 x 12.7mm (3")	TRI FERRULE SHORT G316 - 14WMP AS1528.4	0.10
FTTF1016G316S	G316	SHORT	101.6 x 15.9mm (4")	TRI FERRULE SHORT G316 - 14WMP AS1528.4	0.20
FTTF1524G316S	G316	SHORT	152.4 x 22.2mm (6")	TRI FERRULE SHORT G316 - 14WMP AS1528.4	0.45
FTTF2032G316S	G316	SHORT	203.2 x 15.8mm (8")	TRI FERRULE SHORT G316 - 14WMP AS1528.4	0.60
FTTF0254G316M	G316	MEDIUM	25.40 x 21.5mm (1")	TRI FERRULE MEDIUM G316 - 14MMP AS1528.4	0.08
FTTF0381G316M	G316	MEDIUM	38.10 x 21.5mm (1-1/2")	TRI FERRULE MEDIUM G316 - 14MMP AS1528.4	0.06
FTTF0508G316M	G316	MEDIUM	50.80 x 21.5mm (2")	TRI FERRULE MEDIUM G316 - 14MMP AS1528.4	0.08
FTTF0635G316M	G316	MEDIUM	63.50 x 21.5mm (2-1/2")	TRI FERRULE MEDIUM G316 - 14MMP AS1528.4	0.10
FTTF0762G316M	G316	MEDIUM	76.20 x 21.5mm (3")	TRI FERRULE MEDIUM G316 - 14MMP AS1528.4	0.13
FTTF1016G316M	G316	MEDIUM	101.6 x 21.5mm (4")	TRI FERRULE MEDIUM G316 - 14MMP AS1528.4	0.21
FTTF1524G316M	G316	MEDIUM	152.4 x 28.6mm (6")	TRI FERRULE MEDIUM G316 - 14MMP AS1528.4	0.50
FTTF2032G316M	G316	MEDIUM	203.2 x 28.6mm (8")	TRI FERRULE MEDIUM G316 - 14MMP AS1528.4	0.80
FTTF0127G316L	G316	LONG	12.70 x 28.6mm (1/2")	TRI FERRULE LONG G316 - 14AMP AS1528.4	0.025
FTTF0195G316L	G316	LONG	19.05 x 28.6 mm (3/4")	TRI FERRULE LONG G316 - 14AMP AS1528.4	0.085
FTTF0254G316L	G316	LONG	25.40 x 28.6mm (1")	TRI FERRULE LONG G316 - 14AMP AS1528.4	0.08
FTTF0318G316L	G316	LONG	31.80 x 28.6 mm (1-1/4")	TRI FERRULE LONG G316 - 14AMP AS1528.4	0.07
FTTF0381G316L	G316	LONG	38.10 x 28.6mm (1-1/2")	TRI FERRULE LONG G316 - 14AMP AS1528.4	0.07
FTTF0508G316L	G316	LONG	50.80 x 28.6mm (2")	TRI FERRULE LONG G316 - 14AMP AS1528.4	0.09
FTTF0635G316L	G316	LONG	63.50 x 28.6mm (2-1/2")	TRI FERRULE LONG G316 - 14AMP AS1528.4	0.12
FTTF0762G316L	G316	LONG	76.20 x 28.6mm (3")	TRI FERRULE LONG G316 - 14AMP AS1528.4	0.15
FTTF1016G316L	G316	LONG	101.6 x 28.6mm (4")	TRI FERRULE LONG G316 - 14AMP AS1528.4	0.25
FTTF1524G316L	G316	LONG	152.4 x 38.1mm (6")	TRI FERRULE LONG G316 - 14AMP AS1528.4	0.75

Tri Ferrules Recessless – Slip On

Grades: 304

Unit of Supply: Each

FTTFR

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTTFR0254G304	G304	25.40mm (1")	TRI RECESSLESS FERRULE G304	0.07
FTTFR0318G304	G304	31.80mm (1-1/4")	TRI RECESSLESS FERRULE G304	0.07
FTTFR0381G304	G304	38.10mm (1-1/2")	TRI RECESSLESS FERRULE G304	0.07
FTTFR0508G304	G304	50.80mm (2")	TRI RECESSLESS FERRULE G304	0.11
FTTFR0635G304	G304	63.50mm (2-1/2")	TRI RECESSLESS FERRULE G304	0.16
FTTFR0762G304	G304	76.20mm (3")	TRI RECESSLESS FERRULE G304	0.21
FTTFR01016G304	G304	101.6mm (4")	TRI RECESSLESS FERRULE G304	0.35

Tri Fittings

Tri Bends

Grades: 304, 316
Types: 1x Ferrule, 2x Ferrule

Unit of Supply: Each

FTTBE

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FTTBE0381G316F1	G316	1x FERRULE	38.10mm (1-1/2")	TRI BEND x 1 FERRULE G316	0.36
FTTBE0508G316F1	G316	1x FERRULE	50.80mm (2")	TRI BEND x 1 FERRULE G316	0.44
FTTBE0635G304F2	G304	2x FERRULE	63.50mm (2-1/2")	TRI BEND x 2 FERRULE G304	0.66
FTTBE0762G304F2	G304	2x FERRULE	76.20mm (3")	TRI BEND x 2 FERRULE G304	0.86
FTTBE0381G316F2	G316	2x FERRULE	38.10mm (1-1/2")	TRI BEND x 2 FERRULE G316	0.40
FTTBE0508G316F2	G316	2x FERRULE	50.80mm (2")	TRI BEND x 2 FERRULE G316	0.48

Tri Concentric Reducers

Grades: 316

Unit of Supply: Each

FTTRCR

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTTRCR03810254G316	G316	38.10 x 25.40mm (1-1/2" x 1")	TRI CONCENTRIC REDUCER G316	0.08
FTTRCR05080381G316	G316	50.80 x 38.10mm (2" x 1-1/2")	TRI CONCENTRIC REDUCER G316	0.11
FTTRCR06350508G316	G316	63.50 x 50.80mm (2-1/2" x 2")	TRI CONCENTRIC REDUCER G316	0.17
FTTRCR07620508G316	G316	76.20 x 50.80mm (3" x 2")	TRI CONCENTRIC REDUCER G316	0.25
FTTRCR07620635G316	G316	76.20 x 63.50mm (3" x 2-1/2")	TRI CONCENTRIC REDUCER G316	0.38

Tri Equal Tee

Grades: 304

Unit of Supply: Each

FTTTE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTTTE0381G304	G304	38.10mm (1-1/2")	TRI EQUAL TEE G304	0.26
FTTTE0508G304	G304	50.80mm (2")	TRI EQUAL TEE G304	0.45

Tube Hangers, Clamps and Brackets

2-Piece Saddle Clamps

Grades: 304 **Unit of Supply:** Each

FTWSC

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWSC0318G304	G304	31.80mm (1-1/4")	TUBE SADDLE CLAMP PP G304	0.14
FTWSC0381G304	G304	38.10mm (1-1/2")	TUBE SADDLE CLAMP PP G304	0.15
FTWSC0508G304	G304	50.80mm (2")	TUBE SADDLE CLAMP PP G304	0.17
FTWSC0635G304	G304	63.50mm (2-1/2")	TUBE SADDLE CLAMP PP G304	0.19
FTWSC0762G304	G304	76.20mm (3")	TUBE SADDLE CLAMP PP G304	0.22
FTWSC1016G304	G304	101.6mm (4")	TUBE SADDLE CLAMP PP G304	0.27
FTWSC1270G304	G304	127.0mm (5")	TUBE SADDLE CLAMP PP G304	0.67
FTWSC1524G304	G304	152.4mm (6")	TUBE SADDLE CLAMP PP G304	0.75
FTWSC2032G304	G304	203.2mm (8")	TUBE SADDLE CLAMP PP G304	1.25

M Bracket

Grades: 304 **Unit of Supply:** Each

FTMB

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTMB0254G304	G304	25.40mm (1")	M BRACKET G304 TUBE	0.08
FTMB0318G304	G304	31.80mm (1-1/4")	M BRACKET G304 TUBE	0.08
FTMB0381G304	G304	38.10mm (1-1/2")	M BRACKET G304 TUBE	0.09
FTMB0508G304	G304	50.80mm (2")	M BRACKET G304 TUBE	0.20
FTMB0635G304	G304	63.50mm (2-1/2")	M BRACKET G304 TUBE	0.22
FTMB0762G304	G304	76.20mm (3")	M BRACKET G304 TUBE	0.28
FTMB1016G304	G304	101.6mm (4")	M BRACKET G304 TUBE	0.31
FTMB1524G304	G304	152.4mm (6")	M BRACKET G304 TUBE	0.45

Tube Hangers, Clamps and Brackets

Hangers - Standard PP Type

Grades: 304 **Unit of Supply:** Each
Types: NZ Made, Imported

FTHH

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FTHH0127G304P	G304	NZ MADE	12.70mm (1/2")	TUBE HANGER PLAIN PP G304	0.03
FTHH0190G304P	G304	NZ MADE	19.05mm (3/4")	TUBE HANGER PLAIN PP G304	0.03
FTHH0254G304P	G304	NZ MADE	25.40mm (1")	TUBE HANGER PLAIN PP G304	0.09
FTHH0318G304P	G304	NZ MADE	31.80mm (1-1/4")	TUBE HANGER PLAIN PP G304	0.10
FTHH0381G304P	G304	NZ MADE	38.10mm (1-1/2")	TUBE HANGER PLAIN PP G304	0.12
FTHH0508G304P	G304	NZ MADE	50.80mm (2")	TUBE HANGER PLAIN PP G304	0.14
FTHH0635G304P	G304	NZ MADE	63.50mm (2-1/2")	TUBE HANGER PLAIN PP G304	0.16
FTHH0762G304P	G304	NZ MADE	76.20mm (3")	TUBE HANGER PLAIN PP G304	0.18
FTHH1016G304P	G304	NZ MADE	101.6mm (4")	TUBE HANGER PLAIN PP G304	0.23
FTHBG304BM10	G304	NZ MADE	M10	BOSS FOR PP HANGER	0.02
FTHH0127G304IM	G304	IMPORTED	12.70mm (1/2")	TUBE HANGER PLAIN IM G304	0.09
FTHH0190G304IM	G304	IMPORTED	19.05mm (3/4")	TUBE HANGER PLAIN IM G304	0.09
FTHH0254G304IM	G304	IMPORTED	25.40mm (1")	TUBE HANGER PLAIN IM G304	0.09
FTHH0318G304IM	G304	IMPORTED	31.80mm (1-1/4")	TUBE HANGER PLAIN IM G304	0.10
FTHH0381G304IM	G304	IMPORTED	38.10mm (1-1/2")	TUBE HANGER PLAIN IM G304	0.12
FTHH0508G304IM	G304	IMPORTED	50.80mm (2")	TUBE HANGER PLAIN IM G304	0.14
FTHH0635G304IM	G304	IMPORTED	63.50mm (2-1/2")	TUBE HANGER PLAIN IM G304	0.16
FTHH0762G304IM	G304	IMPORTED	76.20mm (3")	TUBE HANGER PLAIN IM G304	0.18
FTHH1016G304IM	G304	IMPORTED	101.6mm (4")	TUBE HANGER PLAIN IM G304	0.23

Tube Hangers, Clamps and Brackets

Hangers - Bossed PP Type

Grades: 304
Boss Thread: M10, 5/8″
Unit of Supply: Each

FTHH

Product Code	Grade	Boss Thread	Product Size (mm)	Description	Weight ea (kg)
FTHH0254G304BM10	G304	M10 NZ MADE	25.40mm (1")	TUBE HANGER BOSSED M10 G304	0.12
FTHH0318G304BM10	G304	M10 NZ MADE	31.80mm (1-1/4")	TUBE HANGER BOSSED M10 G304	0.13
FTHH0381G304BM10	G304	M10 NZ MADE	38.10mm (1-1/2")	TUBE HANGER BOSSED M10 G304	0.14
FTHH0508G304BM10	G304	M10 NZ MADE	50.80mm (2")	TUBE HANGER BOSSED M10 G304	0.16
FTHH0635G304BM10	G304	M10 NZ MADE	63.50mm (2-1/2")	TUBE HANGER BOSSED M10 G304	0.18
FTHH0762G304BM10	G304	M10 NZ MADE	76.20mm (3")	TUBE HANGER BOSSED M10 G304	0.21
FTHH1016G304BM10	G304	M10 NZ MADE	101.6mm (4")	TUBE HANGER BOSSED M10 G304	0.25
FTHH0254G304BM10IMP	G304	M10 IMPORTED	25.40mm (1")	IMPORTED TUBE HANGER BOSSED M10 G304	0.12
FTHH0318G304BM10IMP	G304	M10 IMPORTED	31.80mm (1-1/4")	IMPORTED TUBE HANGER BOSSED M10 G304	0.13
FTHH0381G304BM10IMP	G304	M10 IMPORTED	38.10mm (1-1/2")	IMPORTED TUBE HANGER BOSSED M10 G304	0.14
FTHH0508G304BM10IMP	G304	M10 IMPORTED	50.80mm (2")	IMPORTED TUBE HANGER BOSSED M10 G304	0.16
FTHH0635G304BM10IMP	G304	M10 IMPORTED	63.50mm (2-1/2")	IMPORTED TUBE HANGER BOSSED M10 G304	0.18
FTHH0762G304BM10IMP	G304	M10 IMPORTED	76.20mm (3")	IMPORTED TUBE HANGER BOSSED M10 G304	0.21
FTHH1016G304BM10IMP	G304	M10 IMPORTED	101.6mm (4")	IMPORTED TUBE HANGER BOSSED M10 G304	0.26
FTHH0254G304BM15	G304	M15 NZ MADE	25.40mm (1")	TUBE HANGER BOSSED 5/8 G304	0.12
FTHH0318G304BM15	G304	M15 NZ MADE	31.80mm (1-1/4")	TUBE HANGER BOSSED 5/8 G304	0.13
FTHH0381G304BM15	G304	M15 NZ MADE	38.10mm (1-1/2")	TUBE HANGER BOSSED 5/8 G304	0.14
FTHH0508G304BM15	G304	M15 NZ MADE	50.80mm (2")	TUBE HANGER BOSSED 5/8 G304	0.16
FTHH0635G304BM15	G304	M15 NZ MADE	63.50mm (2-1/2")	TUBE HANGER BOSSED 5/8 G304	0.18
FTHH0762G304BM15	G304	M15 NZ MADE	76.20mm (3")	TUBE HANGER BOSSED 5/8 G304	0.20
FTHH1016G304BM15	G304	M15 NZ MADE	101.6mm (4")	TUBE HANGER BOSSED 5/8 G304	0.25
FTHH1100G304BM15	G304	M15 NZ MADE	110.0mm	TUBE HANGER BOSSED 5/8 G304	0.26
FTHH0254G304BM15IMP	G304	M15 IMPORTED	25.40mm (1")	IMPORTED TUBE HANGER BOSSED 5/8" G304	0.12
FTHH0318G304BM15IMP	G304	M15 IMPORTED	31.80mm (1-1/4")	IMPORTED TUBE HANGER BOSSED 5/8" G304	0.13
FTHH0381G304BM15IMP	G304	M15 IMPORTED	38.10mm (1-1/2")	IMPORTED TUBE HANGER BOSSED 5/8" G304	0.14
FTHH0508G304BM15IMP	G304	M15 IMPORTED	50.80mm (2")	IMPORTED TUBE HANGER BOSSED 5/8" G304	0.16
FTHH0635G304BM15IMP	G304	M15 IMPORTED	63.50mm (2-1/2")	IMPORTED TUBE HANGER BOSSED 5/8" G304	0.18
FTHH0762G304BM15IMP	G304	M15 IMPORTED	76.20mm (3")	IMPORTED TUBE HANGER BOSSED 5/8" G304	0.21
FTHH1016G304BM15IMP	G304	M15 IMPORTED	101.6mm (4")	IMPORTED TUBE HANGER BOSSED 5/8" G304	0.26

Tube Hangers, Clamps and Brackets

Hangers - Stubbed PP Type

Grades: 304
Thread Size: 5/8″
Unit of Supply: Each

FTHH

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTHH0254G304S15	G304	25.40mm (1")	TUBE HANGER STUBBED 5/8 G304	0.12
FTHH0318G304S15	G304	31.80mm (1-1/4")	TUBE HANGER STUBBED 5/8 G304	0.14
FTHH0381G304S15	G304	38.10mm (1-1/2")	TUBE HANGER STUBBED 5/8 G304	0.14
FTHH0508G304S15	G304	50.80mm (2")	TUBE HANGER STUBBED 5/8 G304	0.16
FTHH0635G304S15	G304	63.50mm (2-1/2")	TUBE HANGER STUBBED 5/8 G304	0.18
FTHH0762G304S15	G304	76.20mm (3")	TUBE HANGER STUBBED 5/8 G304	0.21
FTHH1016G304S15	G304	101.6mm (4")	TUBE HANGER STUBBED 5/8 G304	2.55

Hangers - Slide Mount PP Type

Grades: 304
Unit of Supply: Each

FTHHSM

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTHHSM0508G304	G304	50.80mm (2")	TUBE HANGER SLIDE MOUNT G304	0.16
FTHHSM0635G304	G304	63.50mm (2-1/2")	TUBE HANGER SLIDE MOUNT G304	0.18
FTHHSM0762G304	G304	76.20mm (3")	TUBE HANGER SLIDE MOUNT G304	0.21

Wall Mount PP Type

Grades: 304
Unit of Supply: Each

M10 5/8″

FTHBWMG

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTHBWMG304BM10	G304	M10 x 64mm OD	TUBE HANGER WALL MOUNT	0.08
FTHBWMG304BM15	G304	15.88mm (5/8") 80 x 45 WLP5/8	TUBE HANGER WALL MOUNT	0.10

Tube Flanges and Neck Rings

Acc. to AS 2129 2000 / ASTM A182 G316L, dual-marked and certified, hardness to NACE MR 0175, IC to A262/E, PMI tested.

Flat Face Slip On Table Flanges

Grades: 304L, 316L
Table: D, E

Facing: Flat face, smooth finish
Unit of Supply: Each
Certification: Acc. to AS 2129

FTFSO

Product Code	Grade	Table	Product Size (mm)	Description	Weight ea (kg)
FTFSO02540DG316LTE	G316L	E	25.40mm OD (1")	FFSO TUBE FLANGE G316L TABLE E AS2129	0.85
FTFSO03180DG316LTE	G316L	E	31.80mm OD (1-1/4")	FFSO TUBE FLANGE G316L TABLE E AS2129	0.95
FTFSO03810DG316LTE	G316L	E	38.10mm OD (1-1/2")	FFSO TUBE FLANGE G316L TABLE E AS2129	1.20
FTFSO05080DG316LTE	G316L	E	50.80mm OD (2")	FFSO TUBE FLANGE G316L TABLE E AS2129	1.35
FTFSO06350DG316LTE	G316L	E	63.50mm OD (2-1/2")	FFSO TUBE FLANGE G316L TABLE E AS2129	1.60
FTFSO07620DG316LTE	G316L	E	76.20mm OD (3")	FFSO TUBE FLANGE G316L TABLE E AS2129	2.00
FTFSO10160DG316LTE	G316L	E	101.6mm OD (4")	FFSO TUBE FLANGE G316L TABLE E AS2129	2.65
FTFSO01270DG316LTE	G316L	E	127.0mm OD (5")	FFSO TUBE FLANGE G316L TABLE E AS2129	3.95
FTFSO15240DG316LTE	G316L	E	152.4mm OD (6")	FFSO TUBE FLANGE G316L TABLE E AS2129	5.00
FTFSO20320DG316LTE	G316L	E	203.2mm OD (8")	FFSO TUBE FLANGE G316L TABLE E AS2129	7.10
FTFSO2032IDG316LTE	G316L	E	203.2mm ID (8")	FFSO TUBE FLANGE G316L TABLE E AS2129	7.10
FTFSO2540IDG316LTE	G316L	E	254.0mm ID (10")	FFSO TUBE FLANGE G316L TABLE E AS2129	11.40
FTFSO3048IDG316LTE	G316L	E	304.8mm ID (12")	FFSO TUBE FLANGE G316L TABLE E AS2129	15.10
FTFSO02540DG304LTE	G304L	E	25.40mm OD (1")	FFSO TUBE FLANGE G304L TABLE E AS2129	0.85
FTFSO03810DG304LTE	G304L	E	38.10mm OD (1-1/2")	FFSO TUBE FLANGE G304L TABLE E AS2129	1.20
FTFSO05080DG304LTE	G304L	E	50.80mm OD (2")	FFSO TUBE FLANGE G304L TABLE E AS2129	1.35
FTFSO07620DG304LTE	G304L	E	76.20mm OD (3")	FFSO TUBE FLANGE G304L TABLE E AS2129	2.00
FTFSO10160DG304LTE	G304L	E	101.6mm OD (4")	FFSO TUBE FLANGE G304L TABLE E AS2129	2.65
FTFSO15240DG304LTE	G304L	E	152.4mm OD (6")	FFSO TUBE FLANGE G304L TABLE E AS2129	4.00
FTFSO20320DG304LTE	G304L	E	203.2mm OD (8")	FFSO TUBE FLANGE G304L TABLE E AS2129	7.10
FTFSO2032IDG304LTE	G304L	E	203.2mm ID (8")	FFSO TUBE FLANGE G304L TABLE E AS2129	7.10
FTFSO10160DG316LTD	G316L	D	101.6mm OD (4")	FFSO TUBE FLANGE G316L TABLE D AS2129	2.65
FTFSO15240DG316LTD	G316L	D	152.4mm OD (6")	FFSO TUBE FLANGE G316L TABLE D AS2129	4.00
FTFSO20320DG316LTD	G316L	D	203.2mm OD (8")	FFSO TUBE FLANGE G316L TABLE D AS2129	5.00
FTFSO2540IDG316LTD	G316L	D	254.0mm ID (10")	FFSO TUBE FLANGE G316L TABLE D AS2129	8.70
FTFSO3048IDG316LTD	G316L	D	304.8mm ID (12")	FFSO TUBE FLANGE G316L TABLE D AS2129	11.30

Flat Face Slip On ANSI Flanges (LITE)

Grades: 316L
Rating: 150LB reduced thickness

Facing: Flat face, smooth finish
Unit of Supply: Each
Certification: Acc. to ASME B16.5

FTFSO

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTFSO02540DG316L150	G316L	25.40mm (1")	FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM	0.78
FTFSO03810DG316L150	G316L	38.10mm (1-1/2")	FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM	0.98
FTFSO05080DG316L150+FF	G316L	50.80mm (2")	FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM	1.38
FTFSO06350DG316L150+FF	G316L	63.50mm (2-1/2")	FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM	2.01
FTFSO07620DG316L150	G316L	76.20mm (3")	FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM	2.15
FTFSO10160DG316L150	G316L	101.6mm (4")	FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 12MM	2.96
FTFSO15240DG316L150	G316L	152.4mm (6")	FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 16MM	5.09
FTFSO20320DG316L150	G316L	203.2mm (8")	FFSO TUBE FLANGE G316L ANSI150 B16.5 A182 - 16MM	7.32

Tube Flanges and Neck Rings

Acc. to AS 2129 2000.

Galvanised Back-up Flanges - Standard

Grades: Galvanised Steel
Table: E

Unit of Supply: Each

FTFBU

Product Code	Product Size (mm)	Description	Weight ea (kg)
FTFBU02540DGALVTE	25.40mm OD (1")	BACK UP TUBE FLANGE GALV TABLE E - 8MM	0.52
FTFBU03180DGALVTE	31.80mm OD (1-1/4")	BACK UP TUBE FLANGE GALV TABLE E - 8MM	0.61
FTFBU03810DGALVTE	38.10mm OD (1-1/2")	BACK UP TUBE FLANGE GALV TABLE E - 10MM	0.86
FTFBU05080DGALVTE	50.80mm OD (2")	BACK UP TUBE FLANGE GALV TABLE E - 10MM	1.22
FTFBU06350DGALVTE	63.50mm OD (2-1/2")	BACK UP TUBE FLANGE GALV TABLE E - 10MM	1.57
FTFBU07620DGALVTE	76.20mm OD (3')	BACK UP TUBE FLANGE GALV TABLE E - 12MM	2.11
FTFBU10160DGALVTE	101.6mm OD (4")	BACK UP TUBE FLANGE GALV TABLE E - 12MM	2.92
FTFBU12700DGALVTE	127.0mm OD (5")	BACK UP TUBE FLANGE GALV TABLE E - 16MM	4.46
FTFBU15240DGALVTE	152.4mm OD (6")	BACK UP TUBE FLANGE GALV TABLE E - 16MM	4.98
FTFBU20320DGALVTE	203.2mm ID (8")	BACK UP TUBE FLANGE GALV TABLE E - 20MM	8.69
FTFBU25400DGALVTE	254.0mm ID (10")	BACK UP TUBE FLANGE GALV TABLE E - 20MM	11.58
FTFBU30480DGALVTE	304.8mm ID (12")	BACK UP TUBE FLANGE GALV TABLE E - 25MM	20.31
FTFBU35560DGALVTE	355.6 mm ID (14")	BACK UP TUBE FLANGE GALV TABLE E - 32MM	27.8
FTFBU40600DGALVTE	406.4 mm ID (16")	BACK UP TUBE FLANGE GALV TABLE E - 32MM	31.41
FTFBU45720DGALVTE	457.2 mm ID (18")	BACK UP TUBE FLANGE GALV TABLE E - 32MM	37.39
FTFBU50800DGALVTE	508.0 mm ID (20")	BACK UP TUBE FLANGE GALV TABLE E - 40MM	54.82

Galvanised Back-up Flanges - Reduced Thickness

Grades: Galvanised Steel
Table: A150

Unit of Supply: Each

FTFBU

Product Code	Product Size (mm)	Description	Weight ea (kg)
FTFBU01270DGALA150	12.7 mm OD (1/2")	BACK UP TUBE FLANGE GALV 150LB LITE 10 MM	0.368
FTFBU01950DGALA150	19.5 mm OD (3/4")	BACK UP TUBE FLANGE GALV 150LB LITE 10 MM	0.44
FTFBU02540DGALA150	25.4 mm OD (1")	BACK UP TUBE FLANGE GALV 150LB LITE 10 MM	0.52
FTFBU03180DGALA150	31.8 mm OD (11/4")	BACK UP TUBE FLANGE GALV 150LB LITE 10 MM	0.6
FTFBU03810DGALA150	38.1 mm OD (11/2")	BACK UP TUBE FLANGE GALV 150LB LITE 10 MM	0.86
FTFBU05080DGALA150	50.8 mm OD (2")	BACK UP TUBE FLANGE GALV 150LB LITE 10 MM	1.21
FTFBU06350DGALA150	63.5 mm OD (21/2")	BACK UP TUBE FLANGE GALV 150LB LITE 10 MM	1.63
FTFBU07610DGALA150	76.2 mm OD (3")	BACK UP TUBE FLANGE GALV 150LB LITE 12 MM	2.45
FTFBU10160DGALA150	101.6 mm OD (4")	BACK UP TUBE FLANGE GALV 150LB LITE 12 MM	2.92
FTFBU12700DGALA150	127.0 mm OD (5")	BACK UP TUBE FLANGE GALV 150LB LITE 16 MM	4.45
FTFBU15240DGALA150	152.4 mm OD (6")	BACK UP TUBE FLANGE GALV 150LB LITE 16 MM	4.96
FTFBU20300DGALA150	203.2 mm OD (8")	BACK UP TUBE FLANGE GALV 150LB LITE 20 MM	8.69
FTFBU25400DGALA150	254.0 mm OD (10")	BACK UP TUBE FLANGE GALV 150LB LITE 20 MM	11.57
FTFBU30480DGALA150	304.8 mm OD (12")	BACK UP TUBE FLANGE GALV 150LB LITE 25 MM	20.31
FTFBU35560DGALA150	355.6 mm OD (14")	BACK UP TUBE FLANGE GALV 150LB LITE 32 MM	22.75
FTFBU40600DGALA150	406.0 mm OD (16")	BACK UP TUBE FLANGE GALV 150LB LITE 32 MM	35.82
FTFBU45720DGALA150	457.2 mm OD (18")	BACK UP TUBE FLANGE GALV 150LB LITE 32 MM	44.72
FTFBU50800DGALA150	508.0 mm OD (20")	BACK UP TUBE FLANGE GALV 150LB LITE 40 MM	52.61

Tube Flanges and Neck Rings

Neck Rings

Grades: 316 **Unit of Supply:** Each

FTWNR

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWNR01900D16G316	G316	19.05mm OD x 1.6mm (3/4")	NECK RING TUBE G316	0.029
FTWNR02540D16G316	G316	25.40mm OD x 1.6mm (1")	NECK RING TUBE G316	0.040
FTWNR03180D16G316	G316	31.80mm OD x 1.6mm (1-1/4")	NECK RING TUBE G316	0.051
FTWNR03810D16G316	G316	38.10mm OD x 1.6mm (1-1/2")	NECK RING TUBE G316	0.062
FTWNR05080D16G316	G316	50.80mm OD x 1.6mm (2")	NECK RING TUBE G316	0.078
FTWNR06350D16G316	G316	63.50mm OD x 1.6mm (2-1/2")	NECK RING TUBE G316	0.093
FTWNR07620D16G316	G316	76.20mm OD x 1.6mm (3")	NECK RING TUBE G316	0.124
FTWNR10160D16G316	G316	101.6mm OD x 1.6mm (4")	NECK RING TUBE G316	0.198
FTWNR12700D20G316	G316	127.0mm OD x 2.0mm (5")	NECK RING TUBE G316	0.243
FTWNR15240D20G316	G316	152.4mm OD x 2.0mm (6")	NECK RING TUBE G316	0.296
FTWNR1524ID20G316	G316	152.4mm ID x 2.0mm (6")	NECK RING TUBE G316	0.296
FTWNR2032ID30G316	G316	203.2mm ID x 3.0mm (8")	NECK RING TUBE G316	0.805
FTWNR2540ID30G316	G316	254.0mm ID x 3.0mm (10")	NECK RING TUBE G316	1.098
FTWNR3048ID30G316	G316	304.8mm ID x 3.0mm (12")	NECK RING TUBE G316	1.311

Wall Expansion Flanges

Fastener Hole: 4mm

A purpose designed seal, used when process piping penetrates the wall, floor or ceiling in food and beverage plants, or any applications where a waterproof hygienic seal is required.

Wall Expansion Flanges

Grades: 304 **Unit of Supply:** Each (with O-ring)

FTFWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTFWE0190G304	G304	19.05mm (3/4")	WALL EXPANSION FLANGE WITH O-RING G304	0.02
FTFWE0254G304	G304	25.40mm (1")	WALL EXPANSION FLANGE WITH O-RING G304	0.02
FTFWE0318G304	G304	31.80mm (1-1/4")	WALL EXPANSION FLANGE WITH O-RING G304	0.02
FTFWE0381G304	G304	38.10mm (1-1/2")	WALL EXPANSION FLANGE WITH O-RING G304	0.03
FTFWE0508G304	G304	50.80mm (2")	WALL EXPANSION FLANGE WITH O-RING G304	0.03
FTFWE0635G304	G304	63.50mm (2-1/2")	WALL EXPANSION FLANGE WITH O-RING G304	0.04
FTFWE0762G304	G304	76.20mm (3")	WALL EXPANSION FLANGE WITH O-RING G304	0.04
FTFWE1016G304	G304	101.6mm (4")	WALL EXPANSION FLANGE WITH O-RING G304	0.04

Silicone Wall Entry Sealing Flanges

Food grade silicone sealing flanges in a range of sizes to provide an effective hygienic seal around pipes, conduit, hoses and cables where they pass through walls, ceilings and floors.

Silicone Wall Entry Sealing Flanges

Grade: Silicone **Unit of Supply:** Each

FTWWE

Product Code	Product Size (mm)	Description	Weight ea (kg)
FTWWE025SILICON	0mm - 25.0mm	SILICONE WALL ENTRY FLANGE	1.00
FTWWE065SILICON	0mm - 65.0mm	SILICONE WALL ENTRY FLANGE	1.00
FTWWE070SILICON	70mm - 135mm	SILICONE WALL ENTRY FLANGE	1.00
FTWWE095SILICON	0mm - 95mm	SILICONE WALL ENTRY FLANGE	1.00
FTWWE100SILICON	100mm - 180mm	SILICONE WALL ENTRY FLANGE	1.00

Domed End Caps

Used in Dairy and Handrail applications.

Standard Domed End Caps

Grades: 304, 316
Finish: Polished
Unit of Supply: Each

FTWEC

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWEC0254G304	G304	25.40mm (1")	WELD ON TUBE DOME END CAP G304	0.01
FTWEC0318G304	G304	31.80mm (1-1/4")	WELD ON TUBE DOME END CAP G304	0.01
FTWEC0381G304	G304	38.10mm (1-1/2")	WELD ON TUBE DOME END CAP G304	0.01
FTWEC0445G304	G304	44.45mm (1-3/4")	WELD ON TUBE DOME END CAP G304	0.01
FTWEC0508G304	G304	50.80mm (2")	WELD ON TUBE DOME END CAP G304	0.03
FTWEC0635G304	G304	63.50mm (2-1/2")	WELD ON TUBE DOME END CAP G304	0.04
FTWEC0762G304	G304	76.20mm (3")	WELD ON TUBE DOME END CAP G304	0.07
FTWEC1016G304	G304	101.6mm (4")	WELD ON TUBE DOME END CAP G304	0.08
FTWEC1524G304	G304	152.4mm (6")	WELD ON TUBE DOME END CAP G304	0.08
FTWEC0254G316	G316	25.40mm (1")	WELD ON TUBE DOME END CAP G316	0.01
FTWEC0318G316	G316	31.80mm (1-1/4")	WELD ON TUBE DOME END CAP G316	0.01
FTWEC0381G316	G316	38.10mm (1-1/2")	WELD ON TUBE DOME END CAP G316	0.01
FTWEC0445G316	G316	44.45mm (1-3/4")	WELD ON TUBE DOME END CAP G316	0.01
FTWEC0508G316	G316	50.80mm (2")	WELD ON TUBE DOME END CAP G316	0.03
FTWEC0635G316	G316	63.50mm (2-1/2")	WELD ON TUBE DOME END CAP G316	0.04
FTWEC0762G316	G316	76.20mm (3")	WELD ON TUBE DOME END CAP G316	0.07
FTWEC1016G316	G316	101.6mm (4")	WELD ON TUBE DOME END CAP G316	0.08
FTWEC1270G316	G316	127.0mm (5")	WELD ON TUBE DOME END CAP G316	0.08
FTWEC1524G316	G316	152.4mm (6")	WELD ON TUBE DOME END CAP G316	0.10

Weld-on Dairy Domed End Caps

Grades: 316
Finish: Polished
Unit of Supply: Each

FTWEC

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWEC0254G316+D	G316	25.4 mm (1")	WELD ON DAIRY DOMED END CAP G316 1.5 MM	0.25
FTWEC0381G316+D	G316	38.1 mm (1-1/2")	WELD ON DAIRY DOMED END CAP G316 1.5 MM	0.30
FTWEC0508G316+D	G316	50.8 mm (2")	WELD ON DAIRY DOMED END CAP G316 2.0 MM	0.50
FTWEC0635G316+D	G316	63.5 mm (2 -1/2")	WELD ON DAIRY DOMED END CAP G316 2.0 MM	0.60
FTWEC0762G316+D	G316	76.2 mm (3")	WELD ON DAIRY DOMED END CAP G316 2.0 MM	0.70
FTWEC01016G316+D	G316	101.6 mm (4")	WELD ON DAIRY DOMED END CAP G316 2.0 MM	0.80
FTWEC1524G316+D	G316	152.4 mm (6")	WELD ON DAIRY DOMED END CAP G316 2.5 MM	1.00

Handrail Fittings

Handrail Brackets

Grades: 304, 316
Unit of Supply: Each

FTAHRB

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTAHB90DG316	G316	70.0mm x 3.0mm	90DEG HANDRAIL BRACKET G316	0.15

Tube Foot Plates

Grades: 304L
Finish: Mill Finish
Unit of Supply: Each

FTWFP

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWFP050G304L	G304L	8 x 65 x 150 mm	50MM TUBE FOOT PLATE G304L	0.60
FTWFP075G304L	G304L	10 x 100 x 195 mm	75MM TUBE FOOT PLATE G304L	1.55
FTWFP080G304L	G304L	10 x 100 x 200 mm	80MM TUBE FOOT PLATE G304L	1.60

07

Press Fit

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Identification Guide

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Tube

Grades: 304L, 316L
Finish: 2B

Unit of Supply: 6m lengths
Certification: Acc. to EN 10312-2

PFST

Product Code	Grade	Finish	Product Size (mm)	Weight each (kg)	Stocked /Indent
G304L					
PFST01510G304L+0600	G304L	2B	15 x 1.0 x 6000	2.094	Stocked
	G304L	2B	18 x 1.0 x 6000	3.000	Indent Only
PFST02212G304L+0600	G304L	2B	22 x 1.2 x 6000	3.732	Stocked
PFST02812G304L+0600	G304L	2B	28 x 1.2 x 6000	4.806	Stocked
PFST03515G304L+0600	G304L	2B	35 x 1.5 x 6000	7.512	Stocked
PFST04215G304L+0600	G304L	2B	42 x 1.5 x 6000	9.078	Stocked
PFST05415G304L+0600	G304L	2B	54 x 1.5 x 6000	11.772	Stocked
	G304L	2B	66.7 x 1.5 x 6000	14.700	Indent Only
PFST07620G304L+0600	G304L	2B	76.1 x 2.0 x 6000	22.146	Stocked
	G304L	2B	88.9 X 2.0 x 6000	26.112	Indent Only
PFST10820G304L+0600	G304L	2B	108 x 2.0 x 6000	31.800	Stocked
G316L					
PFST01510G316L+0600	G316L	2B	15 x 1.0 x 6000	2.094	Stocked
	G316L	2B	18 x 1.0 x 6000	3.000	Indent Only
PFST02212G316L+0600	G316L	2B	22 x 1.2 x 6000	3.732	Stocked
PFST02812G316L+0600	G316L	2B	28 x 1.2 x 6000	4.806	Stocked
PFST03515G316L+0600	G316L	2B	35 x 1.5 x 6000	7.512	Stocked
PFST04215G316L+0600	G316L	2B	42 x 1.5 x 6000	9.078	Stocked
PFST05415G316L+0600	G316L	2B	54 x 1.5 x 6000	11.772	Stocked
	G316L	2B	66.7 x 1.5 x 6000	14.700	Indent Only
PFST07620G316L+0600	G316L	2B	76.1 x 2.0 x 6000	22.146	Stocked
	G316L	2B	88.9 X 2.0 x 6000	26.112	Indent Only
PFST10820G316L+0600	G316L	2B	108 x 2.0 x 6000	31.800	Stocked

Fittings

Straight Coupler
Press-Fit to Press-Fit

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSSC

Product Code	Grade	Product Size d (mm)	Press Type	L (mm)	Z (mm)	Weight each (kg)	Stocked /Indent
FPFSSC015G316L	G316L	15	M	53	13	0.034	Stocked
	G316L	18	M	53	13	0.042	Indent Only
FPFSSC022G316L	G316L	22	M	55	13	0.050	Stocked
FPFSSC028G316L	G316L	28	M	59	13	0.068	Stocked
FPFSSC035G316L	G316L	35	M	65	13	0.091	Stocked
FPFSSC042G316L	G316L	42	M	76	16	0.127	Stocked
FPFSSC054G316L	G316L	54	M	86	17	0.197	Stocked
	G316	66.7	M	130	30	0.500	Indent Only
FPFSSC076G316L	G316L	76.1	M	140	30	0.600	Stocked
	G316L	88.9	M	164	38	1.200	Indent Only
FPFSSC108G316L	G316L	108	M	195	43	1.800	Stocked

Sleeve Coupler
Press-Fit to Press-Fit

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSSCP

Product Code	Grade	Product Size d (mm)	Press Type	L (mm)	Weight each (kg)	Stocked / Indent
FPFSSCP015G316L	G316L	15	M	80	0.055	Stocked
	G316L	18	M	80	0.063	Indent Only
FPFSSCP022G316L	G316L	22	M	84	0.081	Stocked
FPFSSCP028G316L	G316L	28	M	91	0.107	Stocked
FPFSSCP035G316L	G316L	35	M	102	0.146	Stocked
FPFSSCP042G316L	G316L	42	M	120	0.210	Stocked
FPFSSCP054G316L	G316L	54	M	140	0.306	Stocked
	G316L	66.7	M	200	0.405	Indent Only
FPFSSCP076G316L	G316L	76.1	M	230	0.467	Stocked
	G316L	88.9	M	260	1.328	Indent Only
FPFSSCP108G316L	G316L	108	M	310	1.860	Stocked

Fittings

End Cap
Press-Fit

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSEC

Product Code	Grade	Product Size d (mm)	Press Type	L (mm)	Z (mm)	Weight each (kg)	Stocked /Indent
	G316L	15	M	36	20		Indent Only
	G316L	18	M	38	20		Indent Only
FPFSEC022G316L	G316L	22	M	41	21	0.036	Stocked
FPFSEC028G316L	G316L	28	M	41.5	23	0.048	Stocked
FPFSEC035G316L	G316L	35	M	43	26	0.052	Stocked
FPFSEC042G316L	G316L	42	M	46.5	30	0.109	Stocked
FPFSEC054G316L	G316L	54	M	52.5	35	0.138	Stocked
	G316L	66.7	M	83			Indent Only
FPFSEC076G316L	G316L	76.1	M	88	55	0.420	Stocked
	G316L	88.9	M	102	63		Indent Only
FPFSEC108G316L	G316L	108	M	111	76	0.882	Stocked

Straight Adapter Female
Press-Fit to Female BSP

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSSAF

Product Code	Grade	Product Size d x Rp (mm)	Press Type	L (mm)	Z (mm)	Weight each (kg)	Stocked /Indent
	G316L	15 x 1/2"	M	41	5.5	0.051	Indent Only
	G316L	15 x 3/4"	M	40	3.5	0.079	Indent Only
	G316L	18 x 1/2"	M	40	4.5	0.057	Indent Only
	G316L	18 x 3/4"	M	40	4.5	0.077	Indent Only
	G316L	22 x 1/2"	M	43	6.5	0.123	Indent Only
FPFSSAF022190G316L	G316L	22 x 3/4"	M	43	5.5	0.093	Stocked
	G316L	22 x 1"	M	50	7	0.144	Indent Only
	G316L	28 x 3/4"	M	44	4.5	0.105	Indent Only
FPFSSAF028254G316L	G316L	28 x 1"	M	50	5	0.130	Stocked
	G316L	35 x 1"	M	54	6	0.175	Indent Only
FPFSSAF035318G316L	G316L	35 x 1-1/4"	M	56	5	0.182	Stocked
FPFSSAF042381G316L	G316L	42 x 1-1/2"	M	64	6	0.232	Stocked
FPFSSAF054508G316L	G316L	54 x 2"	M	73	6	0.356	Stocked

Fittings

Straight Adapter Male
Press-Fit to Male BSP

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSSAM

Product Code	Grade	Product Size d x R (mm)	Press Type	L (mm)	Z (mm)	Weight each (kg)	Stocked / Indent
FPFSSAM015127G316L	G316L	15 x 1/2"	M	39	19	0.044	Stocked
	G316L	15 x 3/4"	M	40	20	0.064	Indent Only
	G316L	18 x 1/2"	M	39	19	0.053	Indent Only
	G316L	18 x 3/4"	M	40	20	0.065	Indent Only
	G316L	22 x 1/2"	M	44	23	0.075	Indent Only
FPFSSAM022190G316L	G316L	22 x 3/4"	M	44	23	0.081	Stocked
	G316L	22 x 1"	M	44	23	0.120	Indent Only
	G316L	28 x 3/4'	M	43	20	0.099	Indent Only
FPFSSAM028254G316L	G316L	28 x 1"	M	44	21	0.102	Stocked
	G316L	28 x 1-1/4"	M	54	32	0.120	Indent Only
	G316L	35 x 1"	M	49	23	0.148	Indent Only
FPFSSAM035318G316L	G316L	35 x 1-1/4"	M	55	29	0.170	Stocked
	G316L	35 x 1-1/2"	M	56	31	0.160	Indent Only
FPFSSAM042381G316L	G316L	42 x 1-1/2"	M	59	29	0.232	Stocked
FPFSSAM054508G316L	G316L	54 x 2"	M	69	34	0.356	Stocked
	G316L	66.7 x 2-1/2"	M	93	43	0.700	Indent Only
FPFSSAM076635G316L	G316L	76.1 x 2-1/2"	M	95	40	0.808	Stocked
	G316L	88.9 x 3"	M	107	44	1.171	Indent Only

Fittings

90° Bend
Press-Fit to Press-Fit

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSB

Product Code	Grade	Product Size d (mm)	Press Type	L (mm)	Z (mm)	Radius (mm)	Weight each (kg)	Stocked / Indent
FPFSB01590G316L	G316L	15	M	39	19.3	18	0.044	Stocked
	G316L	18	M	46	26	22	0.054	Indent Only
FPFSB02290G316L	G316L	22	M	48	27	27	0.071	Stocked
FPFSB02890G316L	G316L	28	M	57	34	30	0.096	Stocked
FPFSB03590G316L	G316L	35	M	76	50.4	47	0.171	Stocked
FPFSB04290G316L	G316L	42	M	80	50	47	0.245	Stocked
FPFSB05490G316L	G316L	54	M	100	65.4	58	0.370	Stocked
	G316L	66.7	M	135	50	83.35	0.868	Indent Only
FPFSB07690G316L	G316L	76.1	M	150	95	88	1.000	Stocked
	G316L	88.9	M	173	110	103	1.400	Indent Only
FPFSB10890G316L	G316L	108	M	215	139	126	2.000	Stocked

90° Bend
Press-Fit to Buttweld

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSBBW

Product Code	Grade	Product Size (d) (mm)	Press Type	L (mm)	L1 (mm)	Z (mm)	Radius (mm)	Weight each (kg)	Stocked / Indent
FPFSBBW01590G316L	G316L	15	M	39.3	45	19.3	18	0.044	Stocked
	G316L	18	M	46	50	26	22	0.054	Indent Only
FPFSBBW02290G316L	G316L	22	M	48	54	27	27	0.071	Stocked
FPFSBBW02890G316L	G316L	28	M	57	68	34	30	0.096	Stocked
FPFSBBW03590G316L	G316L	35	M	76	79	50.4	47	0.171	Stocked
FPFSBBW04290G316L	G316L	42	M	80	87	50	47	0.245	Stocked
FPFSBBW05490G316L	G316L	54	M	100	107	65.4	58	0.370	Stocked
	G316L	66.7	M	135	150	85	83.35	0.868	Indent Only
FPFSBBW07690G316L	G316L	76.1	M	150	158	95	88	1.000	Stocked
	G316L	88.9	M	173	191	110	103	1.400	Indent Only
FPFSBBW10890G316L	G316L	108	M	215	238	139	126	2.000	Stocked

Fittings

45° Bend
Press-Fit to Press-Fit

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSB

Product Code	Grade	Product Size d (mm)	Press Type	L (mm)	Z (mm)	Radius (mm)	Weight each (kg)	Stocked / Indent
FPFSB01545G316L	G316L	15	M	36	16	18	0.044	Stocked
	G316L	18	M	37	17	22	0.054	Indent Only
FPFSB02245G316L	G316L	22	M	42	21	27	0.071	Stocked
FPFSB02845G316L	G316L	28	M	43	20	30	0.096	Stocked
FPFSB03545G316L	G316L	35	M	56	30.4	47	0.142	Stocked
FPFSB04245G316L	G316L	42	M	62	32	47	0.195	Stocked
FPFSB05445G316L	G316L	54	M	62	27.4	58	0.260	Stocked
	G316L	66.7	M	85	35	83.35	0.695	Indent Only
FPFSB07645G316L	G316L	76.1	M	102	47	88	0.800	Stocked
	G316L	88.9	M	117	54	103	1.200	Indent Only
FPFSB10845G316L	G316L	108	M	139	63	126	1.800	Stocked

45° Bend
Press-Fit to Buttweld

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSBBW

Product Code	Grade	Product Size (d) (mm)	Press Type	L (mm)	L1 (mm)	Z (mm)	Radius (mm)	Weight each (kg)	Stocked / Indent
FPFSBBW01545G316L	G316L	15	M	36	42	16	18	0.044	Stocked
	G316L	18	M	37	46	17	22	0.054	Indent Only
FPFSBBW02245G316L	G316L	22	M	42	52	21	27	0.071	Stocked
FPFSBBW02845G316L	G316L	28	M	43	49	20	30	0.096	Stocked
FPFSBBW03545G316L	G316L	35	M	56	62	30.4	47	0.142	Stocked
FPFSBBW04245G316L	G316L	42	M	62	69	32	47	0.195	Stocked
FPFSBBW05445G316L	G316L	54	M	62	69	27.4	58	0.260	Stocked
	G316L	66.7	M	85	85	35	83.35	0.695	Indent Only
FPFSBBW07645G316L	G316L	76.1	M	102	110	47	88	0.800	Stocked
	G316L	88.9	M	117	128	54	103	1.200	Indent Only
FPFSBBW10845G316L	G316L	108	M	139	160	63	126	1.800	Stocked

Fittings

90° Elbow
Press-Fit to Male BSP

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSEM

Product Code	Grade	Product Size d x R (mm)	Press Type	L (mm)	L1 (mm)	Z (mm)	Weight each (kg)	Stocked / Indent
FPFSEM015127G316L	G316L	15 x 1/2"	M	41	48	21	0.088	Stocked
	G316L	18 x 1/2"	M	46	52	26	0.098	Indent Only
FPFSEM022190G316L	G316L	22 x 3/4"	M	48	60	27	0.143	Stocked
FPFSEM028254G316L	G316L	28 x 1"	M	57	67	34	0.239	Stocked
FPFSEM035318G316L	G316L	35 x 1-1/4'	M	76	88	50.4	0.374	Stocked
FPFSEM042381G316L	G316L	42 x 1-1/2"	M	80	87.6	50	0.422	Stocked
FPFSEM054508G316L	G316L	54 x 2"	M	100	105.5	65	0.719	Stocked

90° Elbow
Press-Fit to Female BSP

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

Product Code	Grade	Product Size d x Rp (mm)	Press Type	L (mm)	L1 (mm)	Z (mm)	Z1 (mm)	Weight each (kg)	Stocked / Indent
	G316L	15 x 1/2"	M	41	44	21	28.5	0.120	Indent Only
	G316L	18 x 1/2"	M	46	53	26	34.7	0.117	Indent Only
	G316L	22 x 3/4"	M	48	55.5	27	39	0.180	Indent Only
	G316L	28 x 1"	M	57	67	34	44	0.335	Indent Only
	G316L	35 x 1-1/4"	M	76	86	50.4	61	0.421	Indent Only

Fittings

Buttweld Straight Adapter Male
Buttweld to Male BSP

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

Product Code	Grade	Product Size d x R (mm)	Press Type	L (mm)	Z (mm)	Weight each (kg)	Stocked / Indent
	G316L	15 x 1/2"	M	57	32	0.067	Indent Only
	G316L	18 x 1/2"	M	58	35	0.072	Indent Only

Joint Connector Male
Press-Fit to Male BSP

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSJCM

Product Code	Grade	Product Size d x R (mm)	Press Type	L (mm)	Z (mm)	Weight each (kg)	Stocked / Indent
FPFSJCM015127G316L	G316L	15 x 1/2"	M	72	20	0.150	Stocked
	G316L	18 x 1/2"	M	70	20	0.165	Indent Only
FPFSJCM022190G316L	G316L	22 x 3/4"	M	75	21	0.245	Stocked
FPFSJCM028254G316L	G316L	28 x 1"	M	82	23	0.394	Stocked
FPFSJCM035318G316L	G316L	35 x 1-1/4"	M	89	26	0.544	Stocked
FPFSJCM042381G316L	G316L	42 X 1-1/2"	M	93	30	0.647	Stocked
FPFSJCM054508G316L	G316L	54 X 2"	M	109	35	0.939	Stocked

Fittings

Straight Reducing Coupler
Press-Fit to Buttweld

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSSCR

Product Code	Grade	Product Size Ød x d1 (mm)	Press Type	L (mm)	Z (mm)	Weight each (kg)	Stocked / Indent
	G316L	Ø 18 x 15	M	53	13	0.044	Indent Only
FPFSSCR022015G316L	G316L	Ø 22 x 15	M	63	43	0.037	Stocked
	G316L	Ø 22 x 18	M	62	15	0.054	Indent Only
FPFSSCR028015G316L	G316L	Ø 28 x 15	M	69	22	0.067	Stocked
	G316L	Ø 28 x 18	M	71	24	0.069	Indent Only
FPFSSCR028022G316L	G316L	Ø 28 x 22	M	72	51	0.075	Stocked
FPFSSCR035015G316L	G316L	Ø 35 x 15	M	81	61	0.096	Stocked
FPFSSCR035022G316L	G316L	Ø 35 x 22	M	79	58	0.099	Stocked
FPFSSCR035028G316L	G316L	Ø 35 x 28	M	78	55	0.111	Stocked
FPFSSCR042015G316L	G316L	Ø 42 x 15	M	106	86	0.115	Stocked
FPFSSCR042022G316L	G316L	Ø 42 x 22	M	92	71	0.140	Stocked
FPFSSCR042028G316L	G316L	Ø 42 x 28	M	89	66	0.140	Stocked
FPFSSCR042035G316L	G316L	Ø 42 x 35	M	86	60	0.155	Stocked
FPFSSCR054015G316L	G316L	Ø 54 x 15	M	110	90	0.160	Stocked
FPFSSCR054022G316L	G316L	Ø 54 x 22	M	112	91	0.194	Stocked
FPFSSCR054028G316L	G316L	Ø 54 x 28	M	106	83	0.199	Stocked
FPFSSCR054035G316L	G316L	Ø 54 x 35	M	104	78	0.223	Stocked
FPFSSCR054042G316L	G316L	Ø 54 x 42	M	102	72	0.248	Stocked
	G316L	66.7 x 28	M	127	104	0.366	Indent Only
	G316L	66.7 x 35	M	124	98	0.381	Indent Only
	G316L	Ø 66.7 x 42	M	114	34	0.398	Indent Only
	G316L	Ø 66.7 x 54	M	116	24	0.438	Indent Only
FPFSSCR076042G316L	G316L	Ø 76.1 x 42	M	129	44	0.434	Stocked
FPFSSCR076054G316L	G316L	Ø 76.1 x 54	M	128	33	0.474	Stocked
	G316L	Ø 76.1 x 66.7	M	128	23	0.528	Indent Only
	G316L	Ø 88.9 x 54	M	144	46	0.591	Indent Only
	G316L	Ø 88.9 x 76.1	M	145	27	0.660	Indent Only
FPFSSCR108054G316L	G316L	Ø 108 x 54	M	185	150	0.866	Stocked
	G316L	Ø 108 x 66.7	M	191	65	0.917	Indent Only
FPFSSCR108076G316L	G316L	Ø 108 x 76.1	M	184.5	53.5	0.971	Stocked
	G316L	Ø 108 x 88.9	M	177.5	38.5	1.025	Indent Only

Straight Reducing Coupler
Press-Fit to Press-Fit

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

Product Code	Grade	Product Size d x d1 (mm)	Press Type	L (mm)	Z (mm)	Weight each (kg)	Stocked / Indent
	G316L	22 x 15	M	61.5	22	0.051	Indent Only
	G316L	28 x 15	M	62	20	0.060	Indent Only
	G316L	28 x 22	M	68	23	0.072	Indent Only
	G316L	35 x 28	M	69.5	21	0.087	Indent Only

Fittings

Equal Tee
Press-Fit to Press-Fit to Press-Fit

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSET

Product Code	Grade	Product Size d (mm)	Press Type	L (mm)	L1 (mm)	Z (mm)	Z1 (mm)	Weight each (kg)	Stocked / Indent
FPFSET015G316L	G316L	15	M	64	41	12	21	0.060	Stocked
	G316L	18	M	68	42	14	22	0.075	Indent Only
FPFSET022G316L	G316L	22	M	74	46	16	25	0.098	Stocked
FPFSET028G316L	G316L	28	M	84	51	19	28	0.133	Stocked
FPFSET035G316L	G316L	35	M	100	57	24	31	0.184	Stocked
FPFSET042G316L	G316L	42	M	114	65	27	35	0.268	Stocked
FPFSET054G316L	G316L	54	M	138	75	34	40	0.423	Stocked
	G316L	66.7	M	200	100	50	50	1.016	Indent Only
FPFSET076G316L	G316L	76.1	M	230	109	60	54	1.170	Stocked
	G316L	88.9	M	260	125	67	62	1.600	Indent Only
FPFSET108G316L	G316L	108	M	310	146	79	70	2.353	Stocked

T-Coupling Reduction
Press-Fit to Press-Fit to Press-Fit

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

Product Code	Grade	Product Size d x d1 x d2 (mm)	Press Type	L (mm)	L1 (mm)	Z (mm)	Z1 (mm)	Weight each (kg)	Stocked / Indent
	G316L	22 x 15 x 15	M	76	44	24	20	0.093	Indent Only
	G316L	22 x 22 x 15	M	77	45	25	16	0.098	Indent Only
	G316L	28 x 22 x 22	M	87.5	49	28	16	0.125	Indent Only
	G316L	28 x 28 x 22	M	88	51	28	19	0.130	Indent Only

Fittings

Reducing Tee
Press-Fit to Press-Fit to Press-Fit

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSRT

Product Code	Grade	Product Size d x d1 (mm)	Press Type	L (mm)	L1 (mm)	Z (mm)	Z1 (mm)	Weight each (kg)	Stocked / Indent
	G316L	18 x 15	M	68	42	14	22	0.066	Indent Only
FPFSRT022015G316L	G316L	22 x 15	M	74	44	16	24	0.089	Stocked
	G316L	22 x 18	M	74	44	16	24	0.089	Indent Only
FPFSRT028015G316L	G316L	28 x 15	M	84	47	19	27	0.118	Stocked
	G316L	28 x 18	M	84	47	19	27	0.120	Indent Only
FPFSRT028022G316L	G316L	28 x 22	M	84	49	19	28	0.127	Stocked
FPFSRT035015G316L	G316L	35 x 15	M	100	51	24.5	31	0.152	Stocked
FPFSRT035022G316L	G316L	35 x 22	M	100	53	24.5	32	0.164	Stocked
FPFSRT035028G316L	G316L	35 x 28	M	100	55	24.5	32	0.174	Stocked
FPFSRT042015G316L	G316L	42 X 15	M	114	55	27	35	0.222	Stocked
FPFSRT042022G316L	G316L	42 x 22	M	114	56	27.2	35	0.221	Stocked
FPFSRT042028G316L	G316L	42 X 28	M	114	58	27.2	35	0.227	Stocked
FPFSRT042035G316L	G316L	42 x 35	M	114	61	27.2	35.5	0.244	Stocked
FPFSRT054015G316L	G316L	54 X 15	M	138	61	39	41	0.290	Stocked
FPFSRT054022G316L	G316L	54 x 22	M	138	62	34.5	41	0.322	Stocked
FPFSRT054028G316L	G316L	54 x 28	M	138	64	34.5	41	0.332	Stocked
FPFSRT054035G316L	G316L	54 x 35	M	138	67	34.5	41.5	0.364	Stocked
FPFSRT054042G316L	G316L	54 x 42	M	138	71	34.5	41.2	0.361	Stocked
	G316L	66.7 x 28	M	200	72	50	49	0.828	Indent Only
	G316L	66.7 x 35	M	200	72	50	46	0.841	Indent Only
	G316L	66.7 x 42	M	200	76	50	46	0.871	Indent Only
	G316L	67.7 x 54	M	200	82	50	47	0.878	Indent Only
FPFSRT076022G316L	G316L	76.1 X 22	M	230	74	60	53	0.928	Stocked
FPFSRT076028G316L	G316L	76.1 x 28	M	230	76	60	53	0.953	Stocked
FPFSRT076035G316L	G316L	76.1 x 35	M	230	76	60	50	0.968	Stocked
FPFSRT076042G316L	G316L	76.1 x 42	M	230	80	60	50	1.003	Stocked
FPFSRT076054G316L	G316L	76.1 x 54	M	230	86	60	51	1.005	Stocked
	G316L	76.1 x 66.7	M	230	104	60	54	1.039	Indent Only
	G316L	88.9 x 54	M	260	93	67	58	1.376	Indent Only
	G316L	88.9 x 76.1	M	260	116	67	61	1.498	Indent Only
FPFSRT108022G316L	G316L	108 X 22	M	310	91	79	70	1.820	Stocked
FPFSRT108028G316L	G316L	108 X 28	M	310	93	79	70	1.840	Stocked
FPFSRT108035G316L	G316L	108 X 35	M	310	93	79	67	1.860	Stocked
FPFSRT108042G316L	G316L	108 X 42	M	310	97	79	67	1.867	Stocked
FPFSRT108054G316L	G316L	108 x 54	M	310	103	79	68	1.931	Stocked
	G316L	108 x 66.7	M	310	121	79	71	1.986	Indent Only
FPFSRT108076G316L	G316L	108 x 76.1	M	310	126	79	71	2.058	Stocked
	G316L	108 x 88.9	M	310	135	79	72	2.184	Indent Only

Fittings

Tee Coupling
Press-Fit to Female BSP to Press-Fit

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSTCF

Product Code	Grade	Product Size d x Rp (mm)	Press Type	L (mm)	L1 (mm)	Z (mm)	Z1 (mm)	Weight each (kg)	Stocked / Indent
FPFSTCF015127G316L	G316L	15 x 1/2"	M	64	37	12	21.5	0.077	Stocked
	G316L	18 x 1/2"	M	68	42	14	22	0.089	Indent Only
FPFSTCF022127G316L	G316L	22 x 1/2"	M	74	39	16	23.5	0.102	Stocked
FPFSTCF022190G316L	G316L	22 x 3/4"	M	74	40	16	23.5	0.102	Stocked
FPFSTCF028127G316L	G316L	28 x 1/2"	M	84	42	19	26.5	0.124	Stocked
FPFSTCF028190G316L	G316L	28 X 3/4"	M	84	43	19	26.5	0.156	Stocked
FPFSTCF035127G316L	G316L	35 x 1/2"	M	100	46	24.5	30.5	0.170	Stocked
FPFSTCF035190G316L	G316L	35 x 3/4"	M	100	47	24.5	30.5	0.170	Stocked
FPFSTCF042127G316L	G316L	42 x 1/2"	M	114	49	27.2	33.5	0.221	Stocked
FPFSTCF042190G316L	G316L	42 x 3/4"	M	114	50	27.2	33.5	0.221	Stocked
FPFSTCF054127G316L	G316L	54 x 1/2"	M	138	55	34.6	39.5	0.352	Stocked
FPFSTCF054190G316L	G316L	54 x 3/4"	M	138	56	34.6	39.5	0.355	Stocked
	G316L	66.7 x 3/4"	M	200	47.5	50	63	0.825	Indent Only
FPFSTCF076190G316L	G316L	76.1 x 3/4"	M	230	51.5	60	67	0.950	Stocked
	G316L	88.9 x 3/4"	M	260	58.5	67	74	1.240	Indent Only
FPFSTCF108190G316L	G316L	108 x 3/4"	M	310	68.5	79	84	1.830	Stocked

Joint Connector Female
Press-Fit to Female BSP

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

FPFSJCF

Product Code	Grade	Product Size d x Rp (mm)	Press Type	L (mm)	Z (mm)	Weight each (kg)	Stocked / Indent
FPFSJCF015190G316L	G316L	15 x 3/4"	M	47	20	0.081	Stocked
	G316L	18 x 3/4"	M	47	20	0.083	Indent Only
FPFSJCF022254G316L	G316L	22 x 1"	M	50	21	0.139	Stocked
FPFSJCF028318G316L	G316L	28 x 1-1/4"	M	54	23	0.186	Stocked
FPFSJCF035381G316L	G316L	35 x 1-1/2"	M	57	26	0.265	Stocked
FPFSJCF042445G316L	G316L	42 X 1-3/4"	M	69	24	0.455	Stocked
FPFSJCF054603G316L	G316L	54 X 2-3/8"	M	78	27	0.512	Stocked

Fittings

90° Square Elbow Male
Press-Fit to Male BSP

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

Product Code	Grade	Product Size d x Rp (mm)	Press Type	L1 (mm)	L2 (mm)	Z2 (mm)	Weight each (kg)	Stocked / Indent
	G316L	12 x 3/8"	M	49	36	24	0.088	Indent Only
	G316L	15 x 3/8"	M	50	36	24	0.088	Indent Only
	G316L	15 x 1/2"	M	54	42	28	0.088	Indent Only
	G316L	18 x 1/2"	M	56	42	28	0.098	Indent Only
	G316L	22 x 3/4"	M	63	50	32	0.123	Indent Only

Buttweld Straight Female Adapter
Buttweld to Female BSP

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

Product Code	Grade	Product Size d x Rp (mm)	Press Type	L (mm)	Z (mm)	Weight each (kg)	Stocked / Indent
	G316L	15 x 1/2"	M	53	32	0.054	Indent Only
	G316L	22 x 1/2"	M	59	38	0.102	Indent Only
	G316L	22 x 3/4"	M	60	38	0.107	Indent Only

90° Female Wall Elbow
Press-Fit to Female BSP

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

Product Code	Grade	Product Size d x Rp (mm)	Press Type	L (mm)	L1 (mm)	Z (mm)	Z1 (mm)	Weight each (kg)	Stocked / Indent
	G316L	15 x 1/2"	M	53	48	33	14	0.102	Indent Only
	G316L	18 x 1/2"	M	51	48	33	14	0.111	Indent Only
	G316L	22 x 3/4"	M	59	51	38	18	0.144	Indent Only

Fittings

90° Buttweld Bend

Buttweld to Buttweld

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

Product Code	Grade	Product Size d (mm)	L (mm)	L1 (mm)	R (mm)	Weight each (kg)	Stocked / Indent
	G316L	15	120	70	15.5	0.088	Indent Only
	G316L	18	120	70	18	0.109	Indent Only
	G316L	22	120	70	22	0.133	Indent Only
	G316L	28	120	80	24	0.176	Indent Only
	G316L	35	200	120	22	0.364	Indent Only
	G316L	42	250	150	26.5	0.552	Indent Only
	G316L	54	300	200	35	0.952	Indent Only

Offset Buttweld Bend

Buttweld to Buttweld

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. to EN 10352

Product Code	Grade	Product Size d (mm)	L (mm)	Z (mm)	R (mm)	h (mm)	(°)	(°)	Weight each (kg)	Stocked / Indent
	G316L	15	129	97	10	44	126	27	0.075	Indent Only
	G316L	18	170.5	123	13	56	123	29	0.101	Indent Only
	G316L	22	163.5	118	9	53	129	26	0.132	Indent Only
	G316L	28	204.5	144	16	64	130	25	0.201	Indent Only

Fittings

Press-Fit Hanger - Bossed

Grade: 304
Finish: Industrial

Unit of Supply: each
Boss Thread: M8, M10

FPFSH

Product Code	Grade	Product Size (mm)	Material Width (mm)	Material Thickness	Boss Size	Boss Length (mm)	Weight each (kg)	Stocked / Indent
FPFSH015M08G304	G304	15	25	2	M8	20	0.070	Stocked
FPFSH022M08G304	G304	22	25	2	M8	20	0.100	Stocked
FPFSH028M10G304	G304	28	25	3	M10	20	0.110	Stocked
FPFSH035M10G304	G304	35	25	3	M10	20	0.140	Stocked
FPFSH042M10G304	G304	42	25	3	M10	20	0.150	Stocked
FPFSH054M10G304	G304	54	25	3	M10	20	0.170	Stocked
FPFSH076M10G304	G304	76.1	25	3	M10	20	0.210	Stocked
FPFSH108M10G304	G304	108	25	3	M10	20	0.300	Stocked

Press-Fit Flange

Press-Fit to Table E Flange

Grade: 316L
Finish: Industrial

Unit of Supply: each
Certification: Acc. To AS2129

FPFSF

Product Code	Grade	Product Size d (mm)	Matching Tube Size (NB)	Bolt Hole Size d1 (mm)	Number of Bolt Holes	OD D (mm)	PCD D1 (mm)	L (mm)	Z (mm)	Flange Thickness Z1 (mm)	Weight each (kg)	Stocked / Indent
FPFSF015G316LTE	G316L	15	15	14	4	95	67	34	20	6	0.700	Stocked
FPFSF022G316LTE	G316L	22	20	14	4	100	73	37	21	6	0.791	Stocked
FPFSF028G316LTE	G316L	28	25	14	4	115	83	40	23	7	1.099	Stocked
FPFSF035G316LTE	G316L	35	32	14	4	120	87	41	26	8	1.710	Stocked
FPFSF042G316LTE	G316L	42	40	14	4	135	98	46	30	9	2.095	Stocked
FPFSF054G316LTE	G316L	54	50	18	4	150	114	53	35	10	2.834	Stocked
	G316L	66.7	65	18	4	165	127	71	50	10		Indent Only
FPFSF076G316LTE	G316L	76.1	65	18	4	165	127	76	55	10	3.329	Stocked
	G316L	88.9	80	18	4	185	146	86	63	11		Indent Only
FPFSF108G316LTE	G316L	108	100	18	8	215	178	99	76	12	5.035	Stocked

Fittings

Bossed Munzing Ring

Grade: 316 / 304
Finish: Industrial

Unit of Supply: each

Product Code	Grade	Product Size (mm)	Material Width (mm)	Material Thickness (mm)	Boss Size	Stocked / Indent
	G316 / G304	15	18	2.0	M10	Indent Only
	G316 / G304	22	18	2.0	M10	Indent Only
	G316 / G304	28	18	2.0	M10	Indent Only
	G316 / G304	35	18	2.0	M10	Indent Only
	G316 / G304	42	18	2.0	M10	Indent Only
	G316 / G304	54	18	2.0	M10	Indent Only
	G316 / G304	76.1	18	2.0	M10	Indent Only
	G316 / G304	88.9	18	2.0	M10	Indent Only
	G316 / G304	108	18	2.0	M10	Indent Only
	G316 / G304	108 HL	30	3.0	M12	Indent Only

Bossed Munzing Ring (Rubber Lined)

Grade: 304 / 316
Finish: Industrial

Unit of Supply: each

Product Code	Grade	Product Size (mm)	Material Width (mm)	Material Thickness (mm)	Boss Size	Stocked / Indent
	G316 / G304	15	18	2.0	M10	Indent Only
	G316 / G304	22	18	2.0	M10	Indent Only
	G316 / G304	28	18	2.0	M10	Indent Only
	G316 / G304	35	18	2.0	M10	Indent Only
	G316 / G304	42	18	2.0	M10	Indent Only
	G316 / G304	54	18	2.0	M10	Indent Only
	G316 / G304	76.1	18	2.0	M10	Indent Only
	G316 / G304	88.9	18	2.0	M10	Indent Only
	G316 / G304	108	18	2.0	M10	Indent Only
	G316 / G304	108 HL	30	3.0	M12	Indent Only

Fittings

Two-Piece Tube Clamp

Grade: 316 / 304
Finish: Industrial

Unit of Supply: each

Product Code	Grade	Product Size (mm)	Material Width (mm)	Material Thickness (mm)	Bolt Size	Stocked / Indent
	G316 / G304	15	18	2.0	M10	Indent Only
	G316 / G304	22	18	2.0	M10	Indent Only
	G316 / G304	28	18	2.0	M10	Indent Only
	G316 / G304	35	18	2.0	M10	Indent Only
	G316 / G304	42	18	2.0	M10	Indent Only
	G316 / G304	54	18	2.0	M10	Indent Only
	G316 / G304	76.1	18	2.0	M10	Indent Only
	G316 / G304	88.9	18	2.0	M10	Indent Only
	G316 / G304	108	18	2.0	M10	Indent Only
	G316 / G304	108 HL	30	3.0	M12	Indent Only

Two-Piece Tube Clamp (Rubber Lined)

Grade: 304 / 316
Finish: Industrial

Unit of Supply: each

Product Code	Grade	Product Size (mm)	Material Width (mm)	Material Thickness (mm)	Bolt Size	Stocked / Indent
	G316 / G304	15	18	2.0	M10	Indent Only
	G316 / G304	22	18	2.0	M10	Indent Only
	G316 / G304	28	18	2.0	M10	Indent Only
	G316 / G304	35	18	2.0	M10	Indent Only
	G316 / G304	42	18	2.0	M10	Indent Only
	G316 / G304	54	18	2.0	M10	Indent Only
	G316 / G304	76.1	18	2.0	M10	Indent Only
	G316 / G304	88.9	18	2.0	M10	Indent Only
	G316 / G304	108	18	2.0	M10	Indent Only
	G316 / G304	108 HL	30	3.0	M12	Indent Only

Valves

Press-Fit 3-Piece Ball Valve

Grade: 316 / 304
Finish: Industrial
Unit of Supply: each

Product Code	Grade	Product Size (mm)	D (mm)	D1 (mm)	D2 (mm)	L (mm)	H (mm)	W (mm)	Stocked / Indent
	G316 / G304	15	12.5	15.2	15.9	103	51	104	Indent Only
	G316 / G304	18	15	18.2	18.9	106	53	104	Indent Only
	G316 / G304	22	20	22.2	23	118	65	126	Indent Only
	G316 / G304	28	25	28.2	28.9	135	77	144	Indent Only
	G316 / G304	35	32	35.3	36	150	81.5	144	Indent Only
	G316 / G304	42	38	42.3	43	168	94.5	189	Indent Only
	G316 / G304	54	50	54.4	55	200	102	189	Indent Only
	G316 / G304	76.1	65	76.7	78	273	119	223	Indent Only
	G316 / G304	88.9	76	89.5	91	311.5	126	223	Indent Only
	G316 / G304	108	94	108.8	111	368.5	169	298	Indent Only

2-Piece Ball Valve

Grades: 316
Rating: 1000 WOG

Unit of Supply: Each

FPVBV

Product Code	Product Size (mm)	Description	Weight ea (kg)
FPVBV008NBG3162PBSP	008NB (1/4")	BSP BALL VALVE 2PC FULL PORT G316	0.35
FPVBV010NBG3162PBSP	010NB (3/8")	BSP BALL VALVE 2PC FULL PORT G316	0.35
FPVBV015NBG3162PBSP	015NB (1/2")	BSP BALL VALVE 2PC FULL PORT G316	0.36
FPVBV020NBG3162PBSP	020NB (3/4")	BSP BALL VALVE 2PC FULL PORT G316	0.65
FPVBV025NBG3162PBSP	025NB (1")	BSP BALL VALVE 2PC FULL PORT G316	0.93
FPVBV032NBG3162PBSP	032NB (1-1/4")	BSP BALL VALVE 2PC FULL PORT G316	3.64
FPVBV040NBG3162PBSP	040NB (1-1/2")	BSP BALL VALVE 2PC FULL PORT G316	4.98
FPVBV050NBG3162PBSP	050NB (2")	BSP BALL VALVE 2PC FULL PORT G316	7.97
FPVBV080NBG3162PBSP	080NB (3")	BSP BALL VALVE 2PC FULL PORT G316	11.15

Valves

3-Piece Ball Valve

Grades: G316
Rating: 1000 WOG

Unit of Supply: Each

FPVBV

Product Code	Product Size (mm)	Description	Weight ea (kg)
FPVBV008NBG3163PBSP	008NB (1/4")	BSP BALL VALVE 3PC FULL PORT G316	0.48
FPVBV010NBG3163PBSP	010NB (3/8")	BSP BALL VALVE 3PC FULL PORT G316	0.48
FPVBV015NBG3163PBSP	015NB (1/2")	BSP BALL VALVE 3PC FULL PORT G316	0.58
FPVBV020NBG3163PBSP	020NB (3/4")	BSP BALL VALVE 3PC FULL PORT G316	0.92
FPVBV025NBG3163PBSP	025NB (1")	BSP BALL VALVE 3PC FULL PORT G316	1.19
FPVBV032NBG3163PBSP	032NB (1-1/4")	BSP BALL VALVE 3PC FULL PORT G316	2.07
FPVBV040NBG3163PBSP	040NB (1-1/2")	BSP BALL VALVE 3PC FULL PORT G316	2.75
FPVBV050NBG3163PBSP	050NB (2")	BSP BALL VALVE 3PC FULL PORT G316	4.07
FPVBV065NBG3163PBSP	065NB (2-1/2")	BSP BALL VALVE 3PC FULL PORT G316	8.12
FPVBV080NBG3163PBSP	080NB (3")	BSP BALL VALVE 3PC FULL PORT G316	12.71

Ball Valve with Press-Fit Ends

Ex Stock Option

2-Piece Ball Valve FPVBV

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Straight Male Adapter FPFSSAM

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3-Piece Ball Valve FPVBV

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Straight Male Adapter FPFSSAM

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Valve and Adapters sold separately

O-rings

O-rings - Black
EPDM

Grade: EPDM
Unit of Supply: Each

FPFOR

Product Code	Grade	Product Sized (mm)	Weight each (kg)	Stocked /Indent
FPFOR015BLACK	EPDM	15	0.004	Stocked
FPFOR022BLACK	EPDM	22	0.005	Stocked
FPFOR028BLACK	EPDM	28	0.005	Stocked
FPFOR035BLACK	EPDM	35	0.005	Stocked
FPFOR042BLACK	EPDM	42	0.007	Stocked
FPFOR054BLACK	EPDM	54	0.010	Stocked
	EPDM	66.7	0.013	Indent
FPFOR076BLACK	EPDM	76.1	0.015	Stocked
	EPDM	88.9	0.018	Indent
FPFOR108BLACK	EPDM	108	0.023	Stocked

O-rings - Green
FKM

Grade: FKM
Unit of Supply: Each

FPFOR

Product Code	Grade	Product Sized (mm)	Weight each (kg)	Stocked /Indent
FPFOR015GREEN	FKM	15	0.004	Stocked
FPFOR022GREEN	FKM	22	0.005	Stocked
FPFOR028GREEN	FKM	28	0.005	Stocked
FPFOR035GREEN	FKM	35	0.005	Stocked
FPFOR042GREEN	FKM	42	0.007	Stocked
FPFOR054GREEN	FKM	54	0.010	Stocked
	FKM	66.7	0.013	Indent
FPFOR076GREEN	FKM	76.1	0.015	Stocked
	FKM	88.9	0.018	Indent
FPFOR108GREEN	FKM	108	0.023	Stocked

O-rings

O-rings - Yellow
HNBR

Grade: HNBR
Unit of Supply: Each

FPFOR

Product Code	Grade	Product Sized (mm)	Weight each (kg)	Stocked /Indent
FPFOR015YELLOW	HNBR	15	0.004	Stocked
FPFOR022YELLOW	HNBR	22	0.005	Stocked
FPFOR028YELLOW	HNBR	28	0.005	Stocked
FPFOR035YELLOW	HNBR	35	0.005	Stocked
FPFOR042YELLOW	HNBR	42	0.007	Stocked
FPFOR054YELLOW	HNBR	54	0.010	Stocked
	HNBR	66.7	0.013	Indent
	HNBR	76.1	0.015	Indent
	HNBR	88.9	0.018	Indent

08

Fastenings

Hex Nuts & Flat Washers	208
Hinges	209
Threaded Rod	209

Hex Nuts & Flat Washers

Hex Nuts

Grades: 304

Unit of Supply: Each

FFNTHMG

Product Code	Product Size (mm)	Description	Weight ea (kg)
FFNTHMG30406	M06	HEX NUT G304	0.01
FFNTHMG30408	M08	HEX NUT G304	0.01
FFNTHMG30410	M10	HEX NUT G304	0.02
FFNTHMG30412	M12	HEX NUT G304	0.02
FFNTHMG30416	M16	HEX NUT G304	0.02
FFNTHMG30420	M20	HEX NUT G304	0.02

Flat Washers

Grades: 304

Unit of Supply: Each

FFWFM

Product Code	Product Size (mm)	Description	Weight ea (kg)
FFWFMG30406	M06 x 12.5 x 1.0mm	FLAT WASHER G304	0
FFWFMG30408	M08 x 16.0 x 1.2mm	FLAT WASHER G304	0
FFWFMG30410	M10 x 21.0 x 1.2mm	FLAT WASHER G304	0
FFWFMG30412	M12 x 24.0 x 1.5mm	FLAT WASHER G304	0
FFWFMG30416	M16 x 30.0 x 1.5mm	FLAT WASHER G304	0
FFWFMG30420	M20 x 37.0 x 2.0mm	FLAT WASHER G304	0

Full range of fastenings available on request

Hinges

Piano Hinges

Grades: 304

Unit of Supply: Each

FFPH

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FFPH150601220G304	G304	1.50mm x 60.0 x 1220	PIANO HINGE G304 - UNDRILLED	0.05
FFPH150601220G304D	G304	1.50mm x 60.0 x 1220	PIANO HINGE G304 - DRILLED	0.05

Other sizes available upon request

Threaded Rod

Grades: 304

Unit of Supply: 1m lengths

BRTH

Product Code	Product Size (mm)	Description	Weight ea (kg)	kg/m
BRTH06G304+0100	M06	THREADED ROD G304	0.17	0.17
BRTH08G304+0100	M08	THREADED ROD G304	0.31	0.31
BRTH10G304+0100	M10	THREADED ROD G304	0.64	0.64
BRTH12G304+0100	M12	THREADED ROD G304	0.71	0.71
BRTH16G304+0100	M16	THREADED ROD G304	1.30	1.30
BRTH20G304+0100	M20	THREADED ROD G304	2.00	2.00
BRTH24G304+0100	M24	THREADED ROD G304	2.89	2.89

Full range of fastenings available on request

09/

Welding Products

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MIG Wire

For gas metal arc welding manufactured to AWS A5.9.

Grades: 308LSI, 309LSI, 316LSI, 253MA/309HT, 2209LSI

Unit of Supply: Each

WWSM

Product Code	Product Size (mm)	Description	Weight ea (kg)
G308L			
WWSM100G308L15KG	1.0mm	MIG WIRE G308LSI - 19.9.LSI	15.00
G309L			
WWSM089G309LSI15KG	0.889mm	MIG WIRE G309LSI - 24.13.LSI	15.00
WWSM100G309LSI15KG	1.0mm	MIG WIRE G309LSI - 24.13.LSI	15.00
WWSM120G309LSI15KG	1.2mm	MIG WIRE G309LSI - 24.13.LSI	15.00
G316L			
WWSM080G31615KG	0.8mm	MIG WIRE G316LSI - 19.12.3.LSI	15.00
WWSM089G316LSI15KG	0.889mm	MIG WIRE G316LSI - 19.12.3.LSI	15.00
WWSM100G316LSI15KG	1.0mm	MIG WIRE G316LSI - 19.12.3.LSI	15.00
WWSM120G316LSI15KG	1.2mm	MIG WIRE G316LSI - 19.12.3.LSI	15.00
WWSM160G316LSI15KG	1.6mm	MIG WIRE G316LSI - 19.12.3.LSI	15.00
G2209L			
WWSM100G220915KG	1.0mm	MIG WIRE G2209LSI - 22.8.3.LSI	15.00
WWSM120G220915KG	1.2mm	MIG WIRE G2209LSI - 22.8.3.LSI	15.00
G253MA / 309HT			
WWSM100G253MA15KG	1.0mm	MIG WIRE G253MA - 22.12.HT	15.00

Other grades and sizes available on request

TIG Wire

For gas tungsten arc welding AWS A5.9.

Grades: 308LSI, 309LSI, 316LSI, 2209L, 253MA, 2RK65/904L

Unit of Supply: Each

WWST

Product Code	Product Size (mm)	Description	Weight ea (kg)
G308L			
WWST120G308LSI+5KG	1.2mm	TIG WIRE G308LSI - 19.9.LSI	5.00
WWST160G308LSI+5KG	1.6mm	TIG WIRE G308LSI - 19.9.LSI	5.00
WWST200G308LSI+5KG	2.0mm	TIG WIRE G308LSI - 19.9.LSI	5.00
WWST240G308LSI+5KG	2.4mm	TIG WIRE G308LSI - 19.9.LSI	5.00
G309L			
WWST160G309LSI+5KG	1.6mm	TIG WIRE G309LSI - 24.13.LSI	5.00
WWST240G309LSI+5KG	2.4mm	TIG WIRE G309LSI - 24.13.LSI	5.00
G316L			
WWST100G316LSI+5KG	1.0mm	TIG WIRE G316LSI - 19.12.3.LSI	5.00
WWST120G316LSI+5KG	1.2mm	TIG WIRE G316LSI - 19.12.3.LSI	5.00
WWST160G316LSI+5KG	1.6mm	TIG WIRE G316LSI - 19.12.3.LSI	5.00
WWST200G316LSI+5KG	2.0mm	TIG WIRE G316LSI - 19.12.3.LSI	5.00
WWST240G316LSI+5KG	2.4mm	TIG WIRE G316LSI - 19.12.3.LSI	5.00
WWST320G316LSI+5KG	3.2mm	TIG WIRE G316LSI - 19.12.3.LSI	5.00
G2209L			
WWST160G2209L+5KG	1.6mm	TIG WIRE G2209L - 22.8.3.L	5.00
WWST200G2209L+5KG	2.0mm	TIG WIRE G2209L - 22.8.3.L	5.00
WWST240G2209L+5KG	2.4mm	TIG WIRE G2209L - 22.8.3.L	5.00
WWST320G2209L+5KG	3.2mm	TIG WIRE G2209L - 22.8.3.L	5.00
G253MA			
WWST120G253MA+5KG	1.2mm	TIG WIRE G253MA - 22.12.HT	5.00
WWST160G253MA+5KG	1.6mm	TIG WIRE G253MA - 22.12.HT	5.00
G2RK65			
WWST160G2RK65+5KG	1.6mm	TIG WIRE G2RK65 - 20.25.5.LCU	5.00
WWST240G2RK65+5KG	2.4mm	TIG WIRE G2RK65 - 20.25.5.LCU	5.00

Other grades and sizes available on request

MMA Flux Coated Electrodes

For manual metal arc welding to AWS A5.4

Grades: E308L, E309L, E309LMo, E316L, 253MA/309HT, SAF2205, 904L/2RK65

Unit of Supply: Each

WWSE

Product Code	Product Size (mm)	Description	Weight ea (kg)
G308L			
WWSE250G308L+3.5KG	2.5mm x 3.5KG PKT	ELECTRODES 308L - 19.9.LR	3.50
WWSE320G308L+4KG	3.2mm x 4KG PKT	ELECTRODES 308L - 19.9.LR	4.00
G309L			
WWSE250G309L+0.6KG	2.5mm x 0.6KG PKT	ELECTRODES 309L - 24.13.LR	
WWSE250G309L+3.5KG	2.5mm x 3.5KG PKT	ELECTRODES 309L - 24.13.LR	3.50
WWSE320G309L+4KG	3.2mm x 4.0KG PKT	ELECTRODES 309L - 24.13.LR	4.00
G309LMo			
WWSE250G309MOL+3.5KG	2.5mm x 3.5KG PKT	ELECTRODES 309MOL - 23.12.2.LR	3.50
G316L			
WWSE250G316L+3.5KG	2.5mm x 3.5KG PKT	ELECTRODES 316L - 19.12.3.LR	3.50
WWSE320G316L+1.7KG	3.2mm x 1.7KG PKT	ELECTRODES 316L - 19.12.3.LR	1.70
G253MA/309HT			
WWSE320G253MA+1.7KG	3.2mm x 1.7KG PKT	ELECTRODES 253MA/309HT - 22.12.HTR	1.70
G2205			
WWSE250G2205+1.7KG	2.5mm x 1.7KG PKT	ELECTRODES SAF2205 - 22.9.3.LR	1.70
WWSE320G2205+4.0KG	3.2mm x 4.0KG PKT	ELECTRODES SAF2205 - 22.9.3.LR	4.00

Other grades and sizes available on request

Submerged Arc Welding Wire

AWS A5.9.

Grades: 316L, 2209L

Unit of Supply: Each

WWSS

Product Code	Product Size (mm)	Description	Weight ea (kg)
G316L			
WWSS200G316L28KG	2.0mm - 28.0KG	SUB ARC WIRE G316L - 19.12.3.L	28.00
WWSS240G316L28KG	2.4mm - 28.0KG	SUB ARC WIRE G316L - 19.12.3.L	28.00
G2209L			
WWSS200G220925KG	2.0mm - 25.0KG	SUB ARC WIRE G2209 - 22.8.3.L	25.00
WWSS320G220925KG	3.2mm - 25.0KG	SUB ARC WIRE G2209 - 22.8.3.L	25.00

Other grades and sizes available on request

Neutralization Paste

WWSP

Product Code	Product Size	Description	Weight ea (kg)
WWSPNP+2.5KG	2.5KG	NEUTRALISATION PASTE + BRUSH	2.50

Neutralization paste is used on steel surfaces to neutralize and inhibit pickling paste after use. The neutralization paste does not contain any harmful components. It is as easy to apply as the pickling paste and can be flushed with water into any drain.

Working data

The neutralization paste is mixed in with the pickling paste, using a brush. This is done once pickling has been completed, while the pickling paste is still in place on the structure. A reaction occurs and mild blistering occurs. When blistering ceases (after about 5–10 min), the reaction has ceased and neutralization is complete.

After treatment, the pickling acid residue has a pH value of >8 and the poisonous hydrofluoric acid is chemically converted into harmless fluorspar (CaF_2). The neutralization paste is mildly alkaline and does not have any poisonous constituents.

Pickling Paste Formula 1

WWSF

Product Code	Product Size	Description	Weight ea (kg)
WWSPPT1KG	1KG TUB	PICKLING PASTE 1KG TUB CLASS 6 POISON	1.00
WWSB39030G	BRUSH	PICKLING PASTE BRUSH	

Pickling paste Formula 1 is an effective pickling paste used for cleaning and passivating of welding joints and the heat affected zone (HAZ) for welded stainless steel constructions.

The pickling paste removes the naturally occurring oxide layer and the chromium depleted layer under the oxide. The result is a perfect weld with the required corrosion resistance.

Excellent adhesion and economical to use

Pickling paste Forumla 1 is rapid and economical to use, as only a thin film of the pickling paste is required for perfect result. The pickling paste has excellent adhesion and can be applied on vertical surfaces and ceilings without any risk of running or drying. This is due to the gel-like (thixotropic), homogenous consistency. The paste's consistency also makes it easy to apply without splashes, particularly important because of its aggressiveness.

Note: Brushes are sold separately to the paste.

Other grades and sizes available on request

Welding Consumables Selection Chart

Introduction

Welding consumables are specially formulated to ensure corrosion performance and are produced to conform to very tight specifications. The correct choice of consumable for a specific application is extremely important, and nowhere is it more important, for example, than in the construction of pressure vessels.

Vulcan Stainless can supply a welding consumable to meet your needs, one that is precisely adapted to the parent metal and that also has optimal welding characteristics. The following chart is provided as a guide to the correct selection of consumables. For any application out of the ordinary, we can provide the technical expertise to ensure the best result.

	Carbon Steel	Chrome Moly	ASTM 301/302 304/304L	ASTM 316/316L 316Ti	ASTM 321 347	ASTM 310 310S	253MA (309 HT)*	2RK65
Carbon Steel	E4113							
Chrome Moly	E4818	E8018						
ASTM 301/302	309L	309L	308LSi					
ASTM 304/304L	309LSi	309LSi	308LSi					
ASTM 316/316L	309LSi	309LSi	316LSi	316LSi				
ASTM 316Ti	SAF 2205	SAF 2205	309LSi	318				
ASTM 321/347	309LSi	309LSi	308 Lsi	316LSi	347			
	312	312	309LSi	307Mn	347			
ASTM 310/310S	307Mn	307Mn	307Mn	316LSi	347	310		
	310	312	310	310	310LSI			
253 MA	309LSi	309LSi	253MA	253MA	253MA	253MA	253MA	
(309 HT)*	309LSi	309LSi	347	309LSi	347	310	309LSi	
2RK65	2RK65	2RK65	2RK65	2RK65	2RK65	2RK65	2RK65	2RK65
	San 28	San 28	316LSi	2RK65	2RK65	San 72	San 72	San 72
LDX 2101	23.7.L	23.7.L	23.7.L	23.7.L	23.7.L	23.7.L	23.7.L	23.7.L
SAF 2304	SAF 2205	SAF 2205	SAF 2205	SAF 2205	SAF 2205	SAF 2205	SAF 2205	SAF 2205
SAF 2205	309LSi	309LSi	309LSi	309LSi	309LSi	309LSi	309LSi	SAF 2205
Sanicro 28	San 72	San 72	San 72	San 72	San 72	San 72	San 72	San 28
Sanicro 60	San 60	San 60	San 60	San 60	San 60	San 60	San 60	San 60
Ni-Cr-Fe Alloys	San 72	San 72	San 72	San 72	San 72	San 72	San 72	San 72
ASTM 444	309LSi	309LSi	309LSi	309LSi	309LSi	309LSi	309LSi	2RK65
	316LSi	316LSi	316LSi	316LSi	347	347	San 28	309LSi
5CR12	309LSi/307Mn	309LSi/307Mn	307Mn	316LSi	309LSi	309LSi	309LSi	309LSi
				347	347	347	San 28	2RK65
9% Nickel	San 72	San 72	San 72	San 72	San 72	San 72	San 72	San 72

*** Not standard designation – for information only.**

Warning!

All the facts concerning your intended application must be considered before careful selection is made. This selection chart is to be used as a guide only. Contact a Vulcan Stainless Welding Specialist for assistance if you require any help in selection.

Welding Consumables Selection Chart (continiued)

	LDX 2101	SAF 2304 SAF 2205	Sanicro 28	Sanicro 60	Ni-Cr-Fe Alloys	ASTM 444	5CR12	9% Nickel
Carbon Steel								
Chrome Moly								
ASTM 301/302								
ASTM 304/304L								
ASTM 316/316L								
ASTM 316Ti								
ASTM 321/347								
ASTM 310/310S								
253 MA								
2RK65								
LDX 2101	23.7.L	23.7.L						
SAF 2304		SAF 2205						
SAF 2205								
Sanicro 28		San 28	San 28					
Sanicro 60	San 60	San 60	San 60	San 60	San 60			
Ni-Cr-Fe Alloys		San 72	San 72 San 28		San 72			
ASTM 444		309LSi SAF 2205	San 28		San 72	309LSi 316LSi		
5CR12		309LSi	San 28 San 72		San 72	309LSi 307	309LSi/307	
9% Nickel		San 72	San 72		San 72	San 72	San 72	San 72

Joining of Similar Materials

Parent metal ASTM/UNS/ Common name	EN	Sandvik	Welding consumable Normal choice [a]	Over-alloyed choice [a]
304L [b]	1.4306 [b]	3R12 [b]	19.9.L (19.9.Nb)	19.12.3.L (19.12.3.Nb)
321 / 347 [b]	1.4541 / 1.4550 [b]	6R35 / 8R40 [b]	19.9.Nb (19.9.L)	19.12.3.Nb (19.12.3.L)
316L b	1.4435 [b]	3R60 [b]	19.12.3.L (19.12.3.Nb)	25.22.2.LMn
“316Ti” [b, c] / 318 [b]	1.4571 [b] / –	5R75 [b] / –	19.12.3.Nb (19.12.3.L)	(20.25.5.LCu)
317L	1.4438	3R64	19.13.4.L	20.25.5.LCu
310	.4845 [b]	7RE10 [b]	25.20.C	–
S30815	1.4835	253MA / 309HT [c]	22.12.HT	–
S35315	1.4854	353MA	28.34.HT	–
“310L” [c]	1.4335	2RE10	25.20.L	(25.22.2.LMn)
S31050	1.4466	2RE69	25.22.2.LMn	–
S31500	1.4417	3RE60	22.8.3.L	–
LDX2101	1.4162	–	22.8.3.L	25.10.4.l
S31803	1.4462	SAF 2205	22.8.3.L	25.10.4.L
S32304	1.4362	SAF 2304	22.8.3.L	–
S32750	1.4410	SAF 2507	25.10.4.L [d]	–
S32906	–	SAF 2906	29.8.2.L	–
N08028	1.4563	Sanicro 28	27.31.4.LCu	–
N08904	1.4539	2RK65	20.25.5.LCu	27.31.4.LCu
S31254	1.4547	254 SMO	Sanicro 60	–
Alloy 600	–	Sanicro 70	Sanicro 72HP	–
Alloy 625	–	–	Sanicro 60	–
Alloy 800	1.4876	Sanicro 31HT	Sanicro 72HP	–
Alloy 825	–	Sanicro 41	7.31.4.LCu	–

a Alternative selection within brackets.

b Also other grades with similar chemical compositions (minor variations mainly the C and/or N contents). Stabilising element, if any, can be either Ti or Nb.

c Not standard designation. For information only.

d 25.10.4.L can also be used for the welding of other similar superduplex steels as well as for a group of 25% Cr duplex steels with PRE values between 37 and 40 – UNS S31803 / S32205 has PRE 35 and S32750 PRE >41.

Joining of Dissimilar Materials

Parent metal 1[a] Type ASTM/UNS EN Sandvik	Parent metal 2[b] ASTM/UNS/ Common name		Welding consumable EN
Carbon and low-alloyed steel	304L	1.4306	18.8.Mn/24.13.LHF/22.15.3.L
	321/347	1. 4541/1. 4550	18.8.Mn/24.13.LHF/22.15.3.L
	316L	1.4435	18.8.Mn/24.13.LHF/22.15.3.L
	"316Ti"/318	1.4571/–	18.8.Mn/24.13.LHF/22.15.3.L
	S30815	1.4835	22.12.HT
	S35315	1.4854	28.34.HT
	LDX2101	1.4162	22.8.3.L
	S31803	1.4462	22.8.3.L
	S32304	1.4362	22.8.3.L
	S32750	1.4410	25.10.4.L
	S32906	–	29.8.2.L
	N08028	1.4563	27.31.4.LCu
	N08904	1.4539	20.25.5.LCu
	S31254	1.4547	Sanicro 60
	Alloy 600 [c]	–	Sanicro 72HP/ Sanicro 60
18/8	321/347	1.4541/1.4550	19.9.L/19.9.Nb
304L	316L	1.4435	19.12.3.L
1.4306	"316Ti"/318	1.4571/–	19.12.3.L/19.12.3.Nb
3R12	S30815	1.4835	22.12.HT
	S35315	1.4854	28.34.HT
	S31803	1.4462	22.8.3.L
	S32304	1.4362	22.8.3.L
	S32750	1.4410	25.10.4.L
	S32906	–	29.8.2.L
	N08028	1.4563	27.31.4.LCu
	N08904	1.4539	20.25.5.LCu
	S31254	1.4547	Sanicro 60
	Alloy 600 [c]	–	Sanicro 72HP/ Sanicro 60
18/8/Ti or Nb	316L	1.4435	19.12.3.L
321/347	"316Ti"/318	1.4571/–	19.12.3.L/19.12.3.Nb
1.4541/1.4550	S30815	1.4835	22.12.HT
6R35/8R40	S35315	1.4854	28.34.HT
	S31803	1.4462	22.8.3.L
	S32304	1.4362	22.8.3.L
	S32750	1.4410	25.10.4.L
	S32906	–	29.8.2.L
	N08028	1.4563	27.31.4.LCu
	N08904	1.4539	20.25.5.LCu
	S31254	1.4547	Sanicro 60
	Alloy 600 c	–	Sanicro 72HP/Sanicro 60
18/12/Mo	"316Ti"/318	1.4571/–	19.12.3.L/19.12.3.Nb
316L	S30815	1.4835	22.12.HT
1.4435	S35315	1.4854	28.34.HT
3R60	S31803	1.4462	22.8.3.L
	S32304	1.4362	22.8.3.L
	S32750	1.4410	25.10.4.L
	S32906	–	29.8.2.L
	N08028	1.4563	27.31.4.LCu
	N08904	1.4539	20.25.5.LCu
	S31254	1.4547	Sanicro 60
	Alloy 600 [c]	–	Sanicro 72HP/Sanicro 60

Parent metal 1[a] Type ASTM/UNS EN Sandvik	Parent metal 2[b] ASTM/UNS/ Common name		Welding consumable EN
18/12/Mo/Ti or Nb	S30815	1.4835	22.12.HT
"316Ti"/318	S35315	1.4854	28.34.HT
1.4571/–	S31803	1.4462	22.8.3.L
5R75	S32304	1.4362	22.8.3.L
	S32750	1.4410	25.10.4.L
	S32906	–	29.8.2.L
	N08028	1.4563	27.31.4.LCu
	N08904	1.4539	20.25.5.LCu
	S31254	1.4547	Sanicro 60
Duplex	S32750	1.4410	25.10.4.L
LDX2101	S32906	–	29.8.2.L
1.4162	N08028	1.4563	27.31.4.LCu
	N08904	1.4539	20.25.5.LCu
	S31254	1.4547	Sanicro 60
	Alloy 600 [c]	–	Sanicro 72HP/Sanicro 60
Duplex	S32750	1.4410	25.10.4.L
S31803	S32906	–	29.8.2.L
1.4462	N08028	1.4563	27.31.4.LCu
SAF 2205	N08904	1.4539	20.25.5.LCu
	S31254	1.4547	Sanicro 60
	Alloy 600 [c]	–	Sanicro 72HP/Sanicro 60
Duplex	S32750	1.4410	25.10.4.L
S32304	S32906	–	29.8.2.L
1.4362	N08028	1.4563	27.31.4.LCu
SAF 2304	N08904	1.4539	20.25.5.LCu
	S31254	1.4547	Sanicro 60
	Alloy 600 [c]	–	Sanicro 72HP/Sanicro 60
Superduplex	N08028	1.4563	Sanicro 60
S32750	N08904	1.4539	Sanicro 60
1.4410	S31254	1.4547	Sanicro 60
SAF 2507	Alloy 600 [c]	–	Sanicro 60
Superduplex	N08028	1.4563	Sanicro 60
S32906	N08904	1.4539	Sanicro 60
–	S31254	1.4547	Sanicro 60
SAF 2906	Alloy 600 [c]	–	Sanicro 60
20/25/5	N08028	1.4563	Sanicro 60
N08904	S31254	1.4547	Sanicro 60
1.4539	Alloy 600 [c]	–	Sanicro 60
2RK65			
20/18/6	N08028	1.4563	Sanicro 60
S31254	Alloy 600 [c]	–	Sanicro 60
1.4547			
254 SMO			
27/31/4	Alloy 600 [c]	–	Sanicro 60
N08028			
1.4563			
Sanicro 28			

a Each group of stainless steels is also valid for other grades with similar compositions.

b Also other steels with similar compositions.

c Represents a whole group of Ni/Cr and Ni/Cr/Mo alloys, such as Alloy 625, Alloy 800 and Alloy 825.

Shielding Gases

Gas	Parent metal: Austenitic	Duplex	Ferritic	High-alloy austenitic	Super-duplex	Nickel alloys
MIG welding						
Ar	(•)	(•)	(•)	•	• [a]	•
He	(•)	(•)	(•)	•	• [a]	•
Ar + He	(•)	(•)	(•)	•	• [a]	•
Ar + (1-3)% O_2	• [b]	• [b]	• [b]	• [c]	• [b]	
Ar + (1-3)% CO_2 [d]	• [e]	• [e]	• [e]	• [c]	• [e]	
Ar + 30% He + (1-3)% O_2	• [f]	• [f]	• [f]	• [c]	• [f]	
Ar + 30% He + (1-3)% CO_2 [d]	• [f]	• [f]	• [f]	• [c]	• [f]	
Ar + 30% He + (1-2)% N_2				• [g]	•	
TIG welding						
Ar	•	•	•	•	•	
He	•	•	•	•	•	•
Ar + He	•	•	•	•	•	• [h]
Ar + (2-5)% H_2	• [i]			• [i]		• [i]
Ar + (1-2)% N_2		•			•	
Ar + 30% He + (1-2)% N_2		•			•	

a Ar preferably in pulsed MIG welding

b Higher fluidity of the molten pool than with Ar

c Except for 22.12.HT and 27.31.4.LCu where Ar is preferred

d Not to be used in spray-arc welding where extra low carbon is required

e Higher fluidity of the molten pool than with Ar. Better short-arc welding properties than with Ar + (1-3)% O_2

f Higher fluidity of the molten pool than with Ar. Better short-arc welding properties than with Ar + (1-3)% CO_2 g For nitrogen alloyed grades

h Ar + 30% He improves flow compared with Ar

i Preferably for automatic welding. High welding speed. Risk of porosity in multi-run welds.

10

Valves

2-Piece Ball Valves	224
3-Piece Ball Valves	224
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Butteryfly Valves	225
Non Return Valves	226

Features of Vulcan Stainless Ball Valves

- Steam rating: 150 PSI WSP
- Blow-out proof stem design
- ISO 5211 Mounting Pad
- Body: ASTM A351 Gr. CF8M
- Ball: SS316
- Stem: SS316
- Seat: Reinforced Teflon
- BSP Threaded End Connections
- Working Pressure: 1000 PSI (66.6 kgf/cm2)
- Temperature Range: -46 to 232ºC
- Padlock Device
- Test Standard: API 598
- Vacuum Service to 29" Hg
- NACE MR-0175 Full Compliance

2-Piece Ball Valves

Grades: G316
Rating: 1000 WOG

Unit of Supply: Each

FPVBV

Product Code	Product Size (mm)	Description	Weight ea (kg)
FPVBV008NBG3162PBSP	008NB (1/4")	BSP BALL VALVE 2PC FULL PORT G316	0.35
FPVBV010NBG3162PBSP	010NB (3/8")	BSP BALL VALVE 2PC FULL PORT G316	0.35
FPVBV015NBG3162PBSP	015NB (1/2")	BSP BALL VALVE 2PC FULL PORT G316	0.36
FPVBV020NBG3162PBSP	020NB (3/4")	BSP BALL VALVE 2PC FULL PORT G316	0.65
FPVBV025NBG3162PBSP	025NB (1")	BSP BALL VALVE 2PC FULL PORT G316	0.93
FPVBV032NBG3162PBSP	032NB (1-1/4")	BSP BALL VALVE 2PC FULL PORT G316	3.64
FPVBV040NBG3162PBSP	040NB (1-1/2")	BSP BALL VALVE 2PC FULL PORT G316	4.98
FPVBV050NBG3162PBSP	050NB (2")	BSP BALL VALVE 2PC FULL PORT G316	7.97
FPVBV080NBG3162PBSP	080NB (3")	BSP BALL VALVE 2PC FULL PORT G316	11.15

3-Piece Ball Valves

Grades: G316
Rating: 1000 WOG

Unit of Supply: Each

FPVBV

Product Code	Product Size (mm)	Description	Weight ea (kg)
FPVBV008NBG3163PBSP	008NB (1/4")	BSP BALL VALVE 3PC FULL PORT G316	0.48
FPVBV010NBG3163PBSP	010NB (3/8")	BSP BALL VALVE 3PC FULL PORT G316	0.48
FPVBV015NBG3163PBSP	015NB (1/2")	BSP BALL VALVE 3PC FULL PORT G316	0.58
FPVBV020NBG3163PBSP	020NB (3/4")	BSP BALL VALVE 3PC FULL PORT G316	0.92
FPVBV025NBG3163PBSP	025NB (1")	BSP BALL VALVE 3PC FULL PORT G316	1.19
FPVBV032NBG3163PBSP	032NB (1-1/4")	BSP BALL VALVE 3PC FULL PORT G316	2.07
FPVBV040NBG3163PBSP	040NB (1-1/2")	BSP BALL VALVE 3PC FULL PORT G316	2.75
FPVBV050NBG3163PBSP	050NB (2")	BSP BALL VALVE 3PC FULL PORT G316	4.07
FPVBV065NBG3163PBSP	065NB (2-1/2")	BSP BALL VALVE 3PC FULL PORT G316	8.12
FPVBV080NBG3163PBSP	080NB (3")	BSP BALL VALVE 3PC FULL PORT G316	12.71

T-Port Ball Valves

Grades: G316
Rating: 1000 WOG

Unit of Supply: Each

FPVBVT

Product Code	Product Size (mm)	Description	Weight ea (kg)
FPVBVT032NBG316BSP	032NB (1-1/4")	BSP T-PORT BALL VALVE G316	2.82
FPVBVT040NBG316BSP	040NB (1-1/2")	BSP T-PORT BALL VALVE G316	3.96
FPVBVT050NBG316BSP	050NB (2")	BSP T-PORT BALL VALVE G316	6.78

Butterfly Valves

Butterfly Valves - Butt Weld Ends

Grades: G304
Rating: 140 WOG

Unit of Supply: Each

FTVBF

Product Code	Product Size (mm)	Description	Weight ea (kg)
FTVBF0254G304	25.40mm (1")	BUTTERFLY VALVE G304	1.50
FTVBF0381G304	38.10mm (1-1/2")	BUTTERFLY VALVE G304	3.00
FTVBF0508G304	50.80mm (2")	BUTTERFLY VALVE G304	4.00
FTVBF0635G304	63.50mm (2-1/2")	BUTTERFLY VALVE G304	7.00
FTVBF0762G304	76.20mm (3")	BUTTERFLY VALVE G304	12.00
FTVBF1016G304	101.6mm (4")	BUTTERFLY VALVE G304	15.00
FTVBF0254G304+TCSEAL	25.4mm	BUTTERFLY VALVE TC SEAL	1.00
FTVBF0381G304+TCSEAL	38.1mm	BUTTERFLY VALVE TC SEAL	1.00
FTVBF0508G304+TCSEAL	50.8mm	BUTTERFLY VALVE TC SEAL	1.00
FTVBF0635G304+TCSEAL	63.5mm	BUTTERFLY VALVE TC SEAL	1.00
FTVBF0762G304+TCSEAL	76.2mm	BUTTERFLY VALVE TC SEAL	1.00
FTVBF1016G304+TCSEAL	101.6mm (4")	BUTTERFLY VALVE TC SEAL	1.00

Butterfly Valves - Ferruled Ends

Grades: G304
Rating: 140 WOG

Unit of Supply: Each

FTVBF

Product Code	Product Size (mm)	Description	Weight ea (kg)
FTVBF0254G304+F	25.40mm (1")	BUTTERFLY VALVE G304 FERRULED ENDS	1.50
FTVBF0381G304+F	38.10mm (1-1/2")	BUTTERFLY VALVE G304 FERRULED ENDS	3.00
FTVBF0508G304+F	50.80mm (2")	BUTTERFLY VALVE G304 FERRULED ENDS	4.00
FTVBF0635G304+F	63.50mm (2-1/2")	BUTTERFLY VALVE G304 FERRULED ENDS	7.00
FTVBF0762G304+F	76.20mm (3")	BUTTERFLY VALVE G304 FERRULED ENDS	12.00
FTVBF1016G304+F	101.6mm (4")	BUTTERFLY VALVE G304 FERRULED ENDS	15.00

Non Return Valves

Grades: G316
Rating: 150 WOG

Unit of Supply: Each

FTVNR

Product Code	Product Size (mm)	Description	Weight ea (kg)
FTVNR0381G316	38.10mm (1-1/2")	NON RETURN VALVE - TC TYPE	1.10
FTVNR0508G316	50.80mm (2")	NON RETURN VALVE - TC TYPE	1.40
NON RETURN VALVE SEALS AND SPRINGS - TC TYPE			
FTVNR0381G316+TCSEAL	38.1mm	NON RETURN VALVE TC SEAL + SPRING	1.00
FTVNR0508G316+TCSEAL	50.8mm	NON RETURN VALVE TC SEAL + SPRING	1.00
NON RETURN VALVE SEALS - OASIS TYPE			
FTVNRSK0381OASIS	38.10mm (1-1/2")	NON RETURN VALVE SEAL KIT OASIS	1.00
FTVNRSK0508OASIS	50.80mm (2")	NON RETURN VALVE SEAL KIT OASIS	1.00

Notes

Vulcan's Network

We have a large branch network across Australia and New Zealand. Being close to our customers is at the heart of everything we do.

70+
STRATEGICALLY LOCATED SITES

1,361
COMPANY EMPLOYEES

12k
ACTIVE CUSTOMERS*

* EXCLUDING ALUMINIUM

Distribution

A key component of Vulcan's market success is operating its own fleet of delivery trucks.

We are able to fulfill a customer's order from the moment the product is taken from stock, processed if necessary, and then delivered right to that customer's door when we promise to.

Utilising the latest GPS technology, our fleet management is so precise that we are able to plan a delivery to the minute (traffic conditions willing).

Our stock management system is also a major benefit as we are able to pull products from other locations over-night to fulfill customer orders.

Product size and freight logistics play a part in the speed of delivery, but we have the resources to maximise our speed of response.

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Whangarei 0110

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Vulcan Stainless Auckland

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Auckland 2013

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Vulcan Stainless Hamilton

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Hamilton 3200

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Mt Maunganui
Tauranga 3116

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Palmerston North 4414

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Vulcan Stainless Napier

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Napier 4110

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