

VULCAN.

Stainless

Product Guide

Australia



www.vulcan.co

Sydney

23 - 47 Percival Rd,
Smithfield, Sydney, NSW 2164

☎ 02 9828 0600

✉ stainless.nsw@vulcan.co

Albury

1 Phoenix Place, Albury,
NSW 2640

☎ 02 6041 4999

✉ stainless.albury@vulcan.co

Newcastle

12 Pippita Close,
Beresfield, NSW 2322

☎ 02 9828 0600

✉ stainless.nsw@vulcan.co

Melbourne

96-108 Bangholme Rd,
Dandenong South VIC 3175

☎ 03 8791 9697

✉ stainless.melbourne@vulcan.co

Brisbane

30 Union Circuit,
Yatala, Brisbane, QLD 4207

☎ 07 3347 0560

✉ stainless.brisbane@vulcan.co

Mackay

20 John Vella Drive, Paget, QLD 4740

☎ 07 4952 5000

✉ stainless.mackay@vulcan.co

Townsville

13 Whitehouse Street, Garbutt, Townsville, QLD 4814

☎ 07 4722 4100

✉ stainless.townsville@vulcan.co

Adelaide

1 Williams Circuit, Pooraka, SA 5095

☎ 08 8243 7700

✉ stainless.adelaide@vulcan.co

Perth

11 Marriot Road,
Jandakot, Perth, WA 6164

☎ 08 9412 5600

✉ stainless.perth@vulcan.co



Introduction

About Vulcan Stainless, Quality Assurance

Flat Products

Coil, Sheet, Plate, Creusabro® Wear Plate, Cutting, Profiling and Cut-To-Length

Pipe

Welded, Seamless

Pipe Fittings and Flanges

BSP's, NPT's, Elbows, Tees, Reducers, Caps, Stub Ends, Outlets, Flanges, Hangers

Tube

Instrumentation, Hydraulic, Welded, Round, Square and Rectangular

Tube Fittings and Flanges

Bends, Tees, Reducers, Caps, Flanges, Handrail Fittings

Bar Products

Round, Hollow, Flat, Hex, Square, Equal and Unequal Angle, Channels, H, I and T Sections

Welding Products

Covered Electrodes, Welding Wires and Fluxes



Vulcan Stainless is pleased to present its 2020 Product Guide

In recent times much has changed at Vulcan Stainless, with the stainless steel product offering improving significantly in both range and quantity, and our geographic coverage effectively covering all of Australia.

Vulcan now has stainless steel stockholdings in nine locations – Sydney, Newcastle, Albury, Melbourne, Brisbane, Mackay, Townsville, Adelaide and Perth.

Features of the Vulcan business include:

- Founded in 1996, Vulcan has grown into one of the largest, privately owned carbon, stainless steel & engineering steels distributors in Australasia
- Owner, Operator service model
- A large national in-house trucking fleet
- High quality product offering with full traceability and material certificates
- Branch stockholding model that enables us to service clients to a high standard
- Value added processing equipment including bar cutting saws, laser cutting, plasma cutting and cut-to-length line
- Experienced and personable staff
- An in-house purpose-built IT system specifically designed for a steel distribution business
- The recent acquisitions of Sandvik Materials Technology – 2014, Forte Stainless – 2017, Global Metals – 2017, Interlloy – 2018 and Horan Steel in 2019 have significantly extended our product offering

If you have any areas of interest - your nearest Vulcan Stainless branch would welcome your enquiry.

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 are for guidance only, and 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.

Practical Quality Initiatives at Vulcan Stainless

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. These measures include:

- Products being sourced from long standing, reputable supply partners who have proven themselves over the course of time
- Routine audits by Vulcan Stainless staff of our supply partners (local and international)
- Full traceability and material certificates for all Vulcan Stainless client orders
- Electronic heat number recording for each order
- An In-house IT system that is user friendly and enables quick recovery of data
- Portable XRF (Xray Fluorescence metal analyser) for random chemical composition checks
- Scanned original Mill Test Certificates (3.1) supplied by Vulcan Stainless which include mill details and country of origin (not just internal letters of conformance)
- Vulcan Stainless follows strict commercial disciplines that encourages a risk averse procurement strategy with quality, on-time delivery and socially/ethically responsible values prioritised
- Prompt and fair resolution of any non-compliant product claims that may occur
- Continuous performance improvement with - DIFOT (Delivery In Full On Time) measured against challenging targets



Notes

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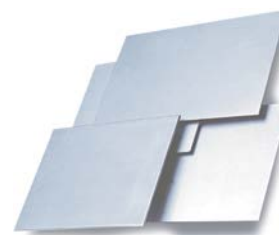
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**Grades: 304, 316, 316L, 2205, 2507,
LDX 2101, 2RK65, 5CR12, 253MA
Finishes: 2B, No. 4, 2E**

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



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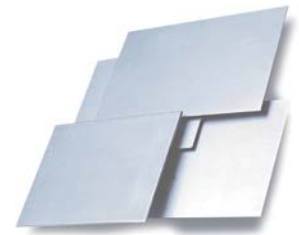
Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G304 – 2B					
SSS055G3042B+12192438	G304	2B	0.55mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	13.08
SSS070G3042B+12192438	G304	2B	0.70mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	16.64
SSS090G3042B+12192438	G304	2B	0.90mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	21.40
SSS120G3042B+9151829	G304	2B	1.2mm x 915 x 1829	SHEET G304 2B ASTM A240/A480	16.05
SSS120G3042B+12191829	G304	2B	1.2mm x 1219 x 1828	SHEET G304 2B ASTM A240/A480	21.40
SSS120G3042B+12192438	G304	2B	1.2mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	28.53
SSS120G3042B+12193048	G304	2B	1.2mm x 1219 x 3048	SHEET G304 2B ASTM A240/A480	35.67
SSS120G3042B+15003000	G304	2B	1.2mm x 1500 x 3000	SHEET G304 2B ASTM A240/A480	43.20
SSS150G3042B+12191829	G304	2B	1.5mm x 1219 x 1829	SHEET G304 2B ASTM A240/A480	26.75
SSS150G3042B+12192438	G304	2B	1.5mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	35.66
SSS150G3042B+12193048	G304	2B	1.5mm x 1219 x 3048	SHEET G304 2B ASTM A240/A480	44.59
SSS150G3042B+15003000	G304	2B	1.5mm x 1500 x 3000	SHEET G304 2B ASTM A240/A480	54.00
SSS200G3042B+12191829	G304	2B	2.0mm x 1219 x 1829	SHEET G304 2B ASTM A240/A480	35.60
SSS200G3042B+12192438	G304	2B	2.0mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	47.55
SSS200G3042B+12193048	G304	2B	2.0mm x 1219 x 3048	SHEET G304 2B ASTM A240/A480	59.45
SSS200G3042B+15002400	G304	2B	2.0mm x 1500 x 2400	SHEET G304 2B ASTM A240/A480	57.60
SSS200G3042B+15003000	G304	2B	2.0mm x 1500 x 3000	SHEET G304 2B ASTM A240/A480	72.00
SSS250G3042B+12192438	G304	2B	2.5mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	59.44
SSS250G3042B+12193048	G304	2B	2.5mm x 1219 x 3048	SHEET G304 2B ASTM A240/A480	74.31
SSS250G3042B+15003000	G304	2B	2.5mm x 1500 x 3000	SHEET G304 2B ASTM A240/A480	90.00
SSS300G3042B+12192348	G304	2B	3.0mm x 1219 x 2438	SHEET G304 2B ASTM A240/A480	71.30
SSS300G3042B+12193048	G304	2B	3.0mm x 1219 x 3048	SHEET G304 2B ASTM A240/A480	89.17
SSS300G3042B+15003000	G304	2B	3.0mm x 1500 x 3000	SHEET G304 2B ASTM A240/A480	108.00
SSS300G3042B+15006000	G304	2B	3.0mm x 1500 x 6000	SHEET G304 2B ASTM A240/A480	216.00
SSS300G3042B+20003000	G304	2B	3.0mm x 2000 x 3000	SHEET G304 2B ASTM A240/A480	147.60
SSS300G3042B+20004000	G304	2B	3.0mm x 2000 x 4000	SHEET G304 2B ASTM A240/A480	196.80
SSS300G3042B+20006000	G304	2B	3.0mm x 2000 x 6000	SHEET G304 2B ASTM A240/A480	294.40
SSS300G3042BP+20006000	G304	2B	3.0mm x 2000 x 6000	SHEET G304 2B ASTM A240/A480	294.40
SSS070G3042BP+12192438	G304	2B FLPE	0.70mm x 1219 x 2438	SHEET G304 2B FLPE ASTM A240/A480	16.64
SSS090G3042BP+12192438	G304	2B FLPE	0.90mm x 1219 x 2438	SHEET G304 2B FLPE ASTM A240/A480	21.40
SSS090G3042BP+12193048	G304	2B FLPE	0.90mm x 1219 x 3048	SHEET 304 2B ASTM A240/A480	26.75
SSS120G3042BP+12192438	G304	2B FLPE	1.2mm x 1219 x 2438	SHEET G304 2B FLPE ASTM A240/A480	28.53
SSS120G3042BP+12193048	G304	2B FLPE	1.2mm x 1219 x 3048	SHEET G304 2B FLPE ASTM A240/A480	35.67
SSS120G3042BP+15003000	G304	2B FLPE	1.2mm x 1500 x 3000	SHEET 304 2B FLPE ASTM A240/A480	43.20
SSS150G3042BP+12192438	G304	2B FLPE	1.5mm x 1219 x 2438	SHEET G304 2B FLPE ASTM A240/A480	35.66
SSS150G3042BP+12193048	G304	2B FLPE	1.5mm x 1219 x 3048	SHEET G304 2B FLPE ASTM A240/A480	44.59
SSS150G3042BP+15003000	G304	2B FLPE	1.5mm x 1500 x 3000	SHEET G304 2B FLPE ASTM A240/A480	54.00
SSS150G3042BP+15004000	G304	2B FLPE	1.5mm x 1500 x 4000	SHEET G304 2B FLPE ASTM A240/A480	72.00
SSS200G3042BP+15003000	G304	2B FLPE	2.0mm x 1500 x 3000	SHEET G304 2B FLPE ASTM A240/A480	72.00
SSS200G3042BP+15004000	G304	2B FLPE	2.0mm x 1500 x 4000	SHEET G304 2B FLPE ASTM A240/A480	96.00
SSS200G3042BP+20006000	G304	2B FLPE	2.0mm x 2000 x 6000	SHEET G304 2B FLPE ASTM A240/A480	196.25
SSS300G3042BP+15006000	G304	2B FLPE	3.0mm x 1500 x 6000	SHEET G304 2B FLPE ASTM A240/A480	216.00
SSS300G3042BP+20003000	G304	2B FLPE	3.0mm x 2000 x 3000	SHEET G304 2B FLPE ASTM A240/A480	147.60
SSS300G3042BP+20004000	G304	2B FLPE	3.0mm x 2000 x 4000	SHEET G304 2B FLPE ASTM A240/A480	196.80

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

Sheet

**Grades: 304, 316, 316L, 2205, 2507,
LDX 2101, 2RK65, 5CR12, 253MA
Finishes: 2B, No. 4, 2E**

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



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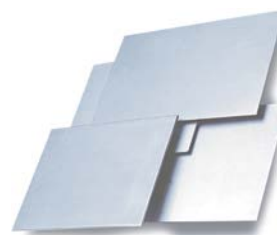
Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G304L – 2B					
SSS200G3042BP+12192438	G304L	2B FLPE	2.0mm x 1219 x 2438	SHEET G304L 2B FLPE ASTM A240/A480	47.55
SSS200G3042BP+20004000	G304L	2B FLPE	2.0mm x 2000 x 4000	SHEET G304L 2B FFLPE ASTM A240/A480	128.00
SSS250G3042BP+12192438	G304L	2B FLPE	2.5mm x 1219 x 2438	SHEET G304L 2B FFLPE ASTM A240/A480	59.44
SSS250G3042BP+15003000	G304L	2B FLPE	2.5mm x 1500 x 3000	SHEET G304L 2B FLPE ASTM A240/A480	90.00
SSS250G3042BP+15004000	G304L	2B FLPE	2.5mm x 1500 x 4000	SHEET G304L 2B FLPE ASTM A240/A480	120.00
SSS300G3042BP+12192438	G304L	2B FLPE	3.0mm x 1219 x 2438	SHEET G304L 2B FLPE ASTM A240/A480	71.33
SSS300G3042BP+15003000	G304L	2B FLPE	3.0mm x 1500 x 3000	SHEET G304L 2B FLPE ASTM A240/A480	108.00
SSS300G3042BP+15004000	G304L	2B FLPE	3.0mm x 1500 x 4000	SHEET G304L 2B FLPE ASTM A240/A480	144.00
SSS300G3042BP+20004000	G304L	2B FLPE	3.0mm x 2000 x 4000	SHEET G304L 2B FLPE ASTM A240/A480	192.00
G304 – No. 4					
SSS055G304N04+12193048	G304	N04 FLPE	0.55mm x 1219 x 3048	SHEET G304 N04 FLPE ASTM A240/A480	16.10
SSS070G304N04+12192438	G304	N04 FLPE	0.70mm x 1219 x 2438	SHEET G304 N04 FLPE ASTM A240/A480	16.64
SSS090G304N04+9152438	G304	N04 FLPE	0.90mm x 0915 x 2438	SHEET G304 N04 FLPE ASTM A240/A480	16.06
SSS090G304N04+12191829	G304	N04 FLPE	0.90mm x 1219 x 1829	SHEET G304 N04 FLPE ASTM A240/A480	16.05
SSS090G304N04+12192438	G304	N04 FLPE	0.90mm x 1219 x 2438	SHEET G304 N04 FLPE ASTM A240/A480	21.40
SSS090G304N04+12193048	G304	N04 FLPE	0.90mm x 1219 x 3048	SHEET G304 N04 FLPE ASTM A240/A480	26.75
SSS120G304N04+9152438	G304	N04 FLPE	1.2mm x 0915 x 2438	SHEET G304 N04 FLPE ASTM A240/A480	21.42
SSS120G304N04+9153048	G304	N04 FLPE	1.2mm x 0915 x 3048	SHEET G304 N04 FLPE ASTM A240/A480	26.77
SSS120G304N04+9154000	G304	N04 FLPE	1.2mm x 0915 x 4000	SHEET G304 N04 FLPE ASTM A240/A480	35.14
SSS120G304N04+12191829	G304	N04 FLPE	1.2mm x 1219 x 1829	SHEET G304 N04 FLPE ASTM A240/A480	21.40
SSS120G304N04+12192438	G304	N04 FLPE	1.2mm x 1219 x 2438	SHEET G304 N04 FLPE ASTM A240/A480	28.53
SSS120G304N04+12193048	G304	N04 FLPE	1.2mm x 1219 x 3048	SHEET G304 N04 FLPE ASTM A240/A480	35.67
SSS120G304N04+12193600	G304	N04 FLPE	1.2mm x 1219 x 3600	SHEET G304 N04 FLPE ASTM A240/A480	42.13
SSS120G304N04+12194000	G304	N04 FLPE	1.2mm x 1219 x 4000	SHEET G304 N04 FLPE ASTM A240/A480	46.82
SSS120G304N04+12195000	G304	N04 FLPE	1.2mm x 1219 x 5000	SHEET G304 N04 FLPE ASTM A240/A480	58.51
SSS120G304N04+15002400	G304	N04 FLPE	1.2mm x 1500 x 2400	SHEET G304 N04 FLPE ASTM A240/A480	34.56
SSS120G304N04+15003000	G304	N04 FLPE	1.2mm x 1500 x 3000	SHEET G304 N04 FLPE ASTM A240/A480	43.20
SSS120G304N04+15004000	G304	N04 FLPE	1.2mm x 1500 x 4000	SHEET G304 N04 FLPE ASTM A240/A480	57.60
SSS150G304N04+9151829	G304	N04 FLPE	1.5mm x 0915 x 1829	SHEET G304 N04 FLPE ASTM A240/A480	20.08
SSS150G304N04+9152438	G304	N04 FLPE	1.5mm x 0915 x 2438	SHEET G304 N04 FLPE ASTM A240/A480	26.77
SSS150G304N04+12192438	G304	N04 FLPE	1.5mm x 1219 x 2438	SHEET G304 N04 FLPE ASTM A240/A480	35.66
SSS150G304N04+12193048	G304	N04 FLPE	1.5mm x 1219 x 3048	SHEET G304 N04 FLPE ASTM A240/A480	44.59
SSS150G304N04+12194000	G304	N04 FLPE	1.5mm x 1219 x 4000	SHEET G304 N04 FLPE ASTM A240/A480	58.51
SSS150G304N04+15003000	G304	N04 FLPE	1.5mm x 1500 x 3000	SHEET G304 N04 FLPE ASTM A240/A480	54.00
SSS150G304N04+15004000	G304	N04 FLPE	1.5mm x 1500 x 4000	SHEET G304 N04 FLPE ASTM A240/A480	72.00
SSS200G304N04+12192438	G304	N04 FLPE	2.0mm x 1219 x 2438	SHEET G304 N04 FLPE ASTM A240/A480	47.55
SSS200G304N04+12193048	G304	N04 FLPE	2.0mm x 1219 x 3048	SHEET G304 N04 FLPE ASTM A240/A480	59.45
SSS200G304N04+12194000	G304	N04 FLPE	2.0mm x 1219 x 4000	SHEET G304 N04 FLPE ASTM A240/A480	78.02
SSS200G304N04+15003000	G304	N04 FLPE	2.0mm x 1500 x 3000	SHEET G304 N04 FLPE ASTM A240/A480	72.00
SSS200G304N04+15004000	G304	N04 FLPE	2.0mm x 1500 x 4000	SHEET G304 N04 FLPE ASTM A240/A480	96.00
SSS250G304N04+12192438	G304	N04 FLPE	2.5mm x 1219 x 2438	SHEET G304 N04 FLPE ASTM A240/A480	59.50
SSS250G304N04+15003000	G304	N04 FLPE	2.5mm x 1500 x 3000	SHEET G304 N04 FLPE ASTM A240/A480	92.90
SSS250G304N04+12193048	G304	N04 FLPE	2.5mm x 1219 x 3048	SHEET G304 N04 FLPE ASTM A240/A480	74.31
SSS300G304N04+12192438	G304	N04 FLPE	3.0mm x 1219 x 2438	SHEET G304 N04 FLPE ASTM A240/A480	71.33
SSS300G304N04+12193048	G304	N04 FLPE	3.0mm x 1219 x 3048	SHEET G304 N04 FLPE ASTM A240/A480	89.17
SSS300G304N04+15003000	G304	N04 FLPE	3.0mm x 1500 x 3000	SHEET G304 N04 FLPE ASTM A240/A480	108.00
SSS300G304N04+15004000	G304	N04 FLPE	3.0mm x 1500 x 4000	SHEET G304 N04 FLPE ASTM A240/A480	144.00

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

Sheet

**Grades: 304, 316, 316L, 2205, 2507,
LDX 2101, 2RK65, 5CR12, 253MA
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**Unit of Supply: Each
Certification: Acc. to
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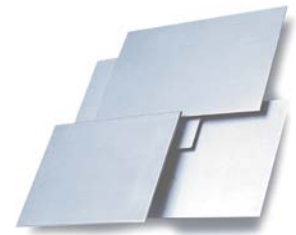
Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G316 – 2B					
SSS055G3162B+12192438	G316	2B	0.55mm x 1219 x 2438	SHEET G316 2B ASTM A240/A480	13.08
SSS070G3162B+12192438	G316	2B	0.70mm x 1219 x 2438	SHEET G316 2B ASTM A240/A480	16.64
SSS090G3162B+12191829	G316	2B	0.90mm x 1219 x 1829	SHEET G316 2B ASTM A240/A480	16.05
SSS090G3162B+12192438	G316	2B	0.90mm x 1219 x 2438	SHEET G316 2B ASTM A240/A480	21.40
SSS120G3162B+12192438	G316	2B	1.2mm x 1219 x 2438	SHEET G316 2B ASTM A240/A480	28.53
SSS120G3162B+15003000	G316	2B	1.2mm x 1500 x 3000	SHEET G316 2B ASTM A240/A480	43.20
SSS150G3162B+12192438	G316	2B	1.5mm x 1219 x 2438	SHEET G316 2B ASTM A240/A480	35.66
SSS150G3162B+12193048	G316	2B	1.5mm x 1219 x 3048	SHEET G316 2B ASTM A240/A480	44.59
SSS150G3162B+15003000	G316	2B	1.5mm x 1500 x 3000	SHEET G316 2B ASTM A240/A480	54.00
SSS200G3162B+12192438	G316	2B	2.0mm x 1219 x 2438	SHEET G316 2B ASTM A240/A480	47.55
SSS200G3162B+12193048	G316	2B	2.0mm x 1219 x 3048	SHEET G316 2B ASTM A240/A480	59.45
SSS200G3162B+15003000	G316	2B	2.0mm x 1500 x 3000	SHEET G316 2B ASTM A240/A480	72.00
SSS200G3162B+20003000	G316	2B	2.0mm x 2000 x 3000	SHEET G316 2B ASTM A240/A480	98.12
SSS250G3162B+12192438	G316	2B	2.5mm x 1219 x 2438	SHEET G316 2B ASTM A240/A480	59.44
SSS250G3162B+12193048	G316	2B	2.5mm x 1219 x 3048	SHEET G316 2B ASTM A240/A480	74.30
SSS250G3162B+15003000	G316	2B	2.5mm x 1500 x 3000	SHEET G316 2B ASTM A240/A480	90.00
SSS300G3162B+12192438	G316	2B	3.0mm x 1219 x 2438	SHEET G316 2B ASTM A240/A480	71.33
SSS300G3162B+12193048	G316	2B	3.0mm x 1219 x 3048	SHEET G316 2B ASTM A240/A480	89.17
SSS300G3162B+15003000	G316	2B	3.0mm x 1500 x 3000	SHEET G316 2B ASTM A240/A480	108
G316L – 2B					
SSS120G316L2BP+12192438	G316L	2B FLPE	1.20mm x 1219 x 2438	SHEET G316L 2B FLPE ASTM A240/A480	28.53
SSS120G316L2BP+15003000	G316L	2B FLPE	1.20mm x 1500 x 3000	SHEET G316L 2B FLPE ASTM A240/A480	43.20
SSS150G316L2BP+12192438	G316L	2B FLPE	1.50mm x 1219 x 2438	SHEET G316L 2B FLPE ASTM A240/A480	35.66
SSS150G316L2BP+15003000	G316L	2B FLPE	1.5mm x 1500 x 3000	SHEET G316L 2B FLPE ASTM A240/A480	54.00
SSS200G316L2BP+12192438	G316L	2B FLPE	2.0mm x 1219 x 2438	SHEET G316L 2B FLPE ASTM A240/A480	47.55
SSS200G316L2BP+15003000	G316L	2B FLPE	2.0mm x 1500 x 3000	SHEET G316L 2B FLPE ASTM A240/A480	72.00
SSS200G316L2BP+20004000	G316L	2B FLPE	2.0mm x 2000 x 4000	SHEET G316L 2B FLPE ASTM A240/A480	128.00
SSS200G316L2BP+20006000	G316L	2B FLPE	2.0mm x 2000 x 6000	SHEET G316L 2B FLPE ASTM A240/A480	196.25
SSS300G316L2BP+12192438	G316L	2B FLPE	3.0mm x 1219 x 2438	SHEET G316L 2B FLPE ASTM A240/A480	71.24
SSS300G316L2BP+15003000	G316L	2B FLPE	3.0mm x 1500 x 3000	SHEET G316L 2B FLPE ASTM A240/A480	108.00
SSS300G316L2BP+20004000	G316L	2B FLPE	3.0mm x 2000 x 4000	SHEET G316L 2B FLPE ASTM A240/A480	192.00
SSS300G316L2BP+15006000	G316L	2B FLPE	3.0mm x 1500 x 6000	SHEET G316L 2B FLPE ASTM A240/A480	216
SSS300G316L2BP+20006000	G316L	2B FLPE	3.0mm x 2000 x 6000	SHEET G316L 2B FLPE ASTM A240/A480	294.37
G316L – No. 4					
SSS090G316LN04+12192438	G316L	N04 FLPE	0.90mm x 1219 x 2438	SHEET G316L N04 FLPE ASTM A240/A480	21.39
SSS120G316LN04+12192438	G316L	N04 FLPE	1.2mm x 1219 x 2438	SHEET G316L N04 FLPE ASTM A240/A480	28.53
SSS120G316LN04+12193048	G316L	N04 FLPE	1.2mm x 1219 x 3048	SHEET G316L N04 FLPE ASTM A240/A480	35.67
SSS120G316LN04+15003000	G316L	N04 FLPE	1.2mm x 1500 x 3000	SHEET G316L N04 FLPE ASTM A240/A480	43.20
SSS150G316LN04+12192438	G316L	N04 FLPE	1.5mm x 1219 x 2438	SHEET G316L N04 FLPE ASTM A240/A480	35.66
SSS150G316LN04+12193048	G316L	N04 FLPE	1.5mm x 1219 x 3048	SHEET G316L N04 FLPE ASTM A240/A480	44.59
SSS150G316LN04+15003000	G316L	N04 FLPE	1.5mm x 1500 x 3000	SHEET G316L N04 FLPE ASTM A240/A480	54.00
SSS200G316LN04+12192438	G316L	N04 FLPE	2.0mm x 1219 x 2438	SHEET G316L N04 FLPE ASTM A240/A480	47.55
SSS200G316LN04+12194000	G316L	N04 FLPE	2.0mm x 1219 x 4000	SHEET G316L N04 FLPE ASTM A240/A480	78.02
SSS200G316LN04+15003000	G316L	N04 FLPE	2.0mm x 1500 x 3000	SHEET G316L N04 FLPE ASTM A240/A480	72.00
SSS300G316LN04+12192438	G316L	N04 FLPE	3.0mm x 1219 x 2438	SHEET G316L N04 FLPE ASTM A240/A480	71.33
SSS300G316LN04+15003000	G316L	N04 FLPE	3.0mm x 1500 x 3000	SHEET G316L N04 FLPE ASTM A240/A480	108.00

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

Sheet

Grades: 304, 316, 316L, 2205, 2507, LDX 2101, 2RK65, 5CR12, 253MA
Finishes: 2B, No. 4, 2E

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



SSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G2205 – 2E					
SSS150G22052E+15003000	G2205	2E	1.5mm x 1500 x 3000	SHEET G2205 2E ASTM A240/A480	55.19
SSS200G22052E+15003000	G2205	2E	2.0mm x 1500 x 3000	SHEET G2205 2E ASTM A240/A480	73.59
SSS200G22052E+20003000	G2205	2E	2.0mm x 2000 x 3000	SHEET G2205 2E ASTM A240/A480	98.12
SSS300G22052E+15003000	G2205	2E	3.0mm x 1500 x 3000	SHEET G2205 2E ASTM A240/A480	110.00
SSS300G22052E+15006000	G2205	2E	3.0mm x 1500 x 6000	SHEET G2205 2E ASTM A240/A480	220.78
SSS300G22052E+20004000	G2205	2E	3.0mm x 2000 x 4000	SHEET G2205 2E ASTM A240/A480	196.25
SSS300G22052E+20006000	G2205	2E	3.0mm x 2000 x 6000	SHEET G2205 2E ASTM A240/A480	294.37
G2507 – 2E					
SSS300G25072E+15006000	G2507	2E	3.0mm x 1500 x 6000	SHEET G2507 2E ASTM A240/A480	220.78
LDX 2101 – 2E					
SSS150G21012E+15003000	LDX2101	2E	1.5mm x 1500 x 3000	SHEET LDX2101 2E ASTM A240/A480	54.00
SSS200G21012E+15003000	LDX2101	2E	2.0mm x 1500 x 3000	SHEET LDX2101 2E ASTM A240/A480	73.59
SSS300G21012E+20004000	LDX2101	2E	3.0mm x 2000 x 4000	SHEET LDX2101 2E ASTM A240/A480	196.28
SSS300G21012E+20006000	LDX2101	2E	3.0mm x 2000 x 6000	SHEET LDX2101 2E ASTM A240/A480	294.37
2RK65 – 2B					
SSS300G2RK652B+20006000	2RK65	2B	3.0mm x 2000 x 6000	SHEET 2RK65 2B ASTM A240/A480	294.37
5CR12 – No. 1					
SSS300G5CR12N01+15003000	5CR12	N01	3.0mm x 1500 x 3000	SHEET 5CR12 N01 ASTM A240/A480	110.39
SSS300G5CR12N01+15006000	5CR12	N01	3.0mm x 1500 x 6000	SHEET 5CR12 N01 ASTM A240/A480	220.78
253MA – 2E					
SSS150G253MAN01+12502500	253MA	2E	1.5mm x 1250 x 2500	SHEET 253MA 2E ASTM A240/A480	38.33
SSS200G253MAN01+20003000	253MA	2E	2.0mm x 2000 x 3000	SHEET 253MA 2E ASTM A240/A480	98.12
SSS300G253MAN01+20003000	253MA	2E	3.0mm x 2000 x 3000	SHEET 253MA 2E ASTM A240/A480	147.60

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

Plate

Grades: 304, 304L, 316L, 321, LDX2101, 2205, 2507, 2RK65, 5CR12, 253MA
Finishes: 2B, 1D, No. 1, 2E

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



PSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G304 – 2B					
PSS004G3042BP+12192438	G304	2B	4mm x 1219 x 2438	PLATE G304 2B FLPE ASTM A240/A480	97.48
PSS004G3042BP+15003000	G304	2B	4mm x 1500 x 3000	PLATE G304 2B FLPE ASTM A240/A480	147.60
PSS004G3042BP+15004000	G304	2B	4mm x 1500 x 4000	PLATE G304 2B FLPE ASTM A240/A480	196.80
PSS004G3042BP+15006000	G304	2B	4mm x 1500 x 6000	PLATE G304 2B FLPE ASTM A240/A480	295.20
PSS004G3042BP+20005000	G304	2B	4mm x 2000 x 5000	PLATE G304 2B FLPE ASTM A240/A480	328.00
PSS004G3042BP+20006000	G304	2B	4mm x 2000 x 6000	PLATE G304 2B FLPE ASTM A240/A480	393.60
PSS005G3042B+15003000	G304	2B	5mm x 1500 x 3000	PLATE G304 2B ASTM A240/A480	184.50
PSS005G3042B+15006000	G304	2B	5mm x 1500 x 6000	PLATE G304 2B ASTM A240/A480	396.00
PSS005G3042BP+12192438	G304	2B	5mm x 1219 x 2438	PLATE G304 2B FLPE ASTM A240/A480	121.85
PSS005G3042BP+15003000	G304	2B	5mm x 1500 x 3000	PLATE G304 2B FLPE ASTM A240/A480	184.50
PSS005G3042BP+15004000	G304	2B	5mm x 1500 x 4000	PLATE G304 2B FLPE ASTM A240/A480	246.00
PSS005G3042BP+15006000	G304	2B	5mm x 1500 x 6000	PLATE G304 2B FLPE ASTM A240/A480	369.00
PSS005G3042BP+20004000	G304	2B	5mm x 2000 x 4000	PLATE G304 2B FLPE ASTM A240/A480	328.00
PSS005G3042BP+20006000	G304	2B	5mm x 2000 x 6000	PLATE G304 2B FLPE ASTM A240/A480	492.00
PSS006G3042B+15003000	G304	2B	6mm x 1500 x 3000	PLATE G304 2B ASTM A240/A480	221.40
PSS006G3042BP+12192438	G304	2B	6mm x 1219 x 2438	PLATE G304 2B FLPE ASTM A240/A480	146.22
PSS006G3042BP+15003000	G304	2B	6mm x 1500 x 3000	PLATE G304 2B FLPE ASTM A240/A480	221.40
PSS006G3042BP+15004000	G304	2B	6mm x 1500 x 4000	PLATE G304 2B FLPE ASTM A240/A480	295.20
PSS006G3042BP+15006000	G304	2B	6mm x 1500 x 6000	PLATE G304 2B FLPE ASTM A240/A480	442.80
PSS006G3042BP+20004000	G304	2B	6mm x 2000 x 4000	PLATE G304 2B FLPE ASTM A240/A480	393.60
PSS006G3042BP+20006000	G304	2B	6mm x 2000 x 6000	PLATE G304 2B FLPE ASTM A240/A480	590.40

G304 – No.1

PSS004G304N01+15003000	G304	NO1	4mm x 1500 x 3000	PLATE G304 NO1 ASTM A240/A480	147.60
PSS004G304N01+15006000	G304	NO1	4mm x 1500 x 6000	PLATE G304 NO1 ASTM A240/A480	295.20
PSS004G304N01+20002440	G304	NO1	4mm x 2000 x 2440	PLATE G304 NO1 ASTM A240/A480	156.16
PSS004G304N01+20003200	G304	NO1	4mm x 2000 x 3200	PLATE G304 NO1 ASTM A240/A480	204.80
PSS004G304N01+20004000	G304	NO1	4mm x 2000 x 4000	PLATE G304 NO1 ASTM A240/A480	262.40
PSS004G304N01+20006000	G304	NO1	4mm x 2000 x 6000	PLATE G304 NO1 ASTM A240/A480	393.60
PSS005G304N01+12192438	G304	NO1	5mm x 1219 x 2438	PLATE G304 NO1 ASTM A240/A480	121.85
PSS005G304N01+12196000	G304	NO1	5mm x 1219 x 6000	PLATE G304 NO1 ASTM A240/A480	299.88
PSS005G304N01+15003000	G304	NO1	5mm x 1500 x 3000	PLATE G304 NO1 ASTM A240/A480	184.50
PSS005G304N01+15004000	G304	NO1	5mm x 1500 x 4000	PLATE G304 NO1 ASTM A240/A480	246.00
PSS005G304N01+15006000	G304	NO1	5mm x 1500 x 6000	PLATE G304 NO1 ASTM A240/A480	369.00
PSS005G304N01+20004000	G304	NO1	5mm x 2000 x 4000	PLATE G304 NO1 ASTM A240/A480	328.00
PSS005G304N01+20006000	G304	NO1	5mm x 2000 x 6000	PLATE G304 NO1 ASTM A240/A480	492.00
PSS005G304N01+25006000	G304	NO1	5mm x 2500 x 6000	PLATE G304 NO1 ASTM A240/A480	615.00
PSS006G304N01+12192438	G304	NO1	6mm x 1219 x 2438	PLATE G304 NO1 ASTM A240/A480	146.22
PSS006G304N01+15003000	G304	NO1	6mm x 1500 x 3000	PLATE G304 NO1 ASTM A240/A480	221.40
PSS006G304N01+15006000	G304	NO1	6mm x 1500 x 6000	PLATE G304 NO1 ASTM A240/A480	442.80
PSS006G304N01+20004000	G304	NO1	6mm x 2000 x 4000	PLATE G304 NO1 ASTM A240/A480	393.60
PSS006G304N01+20006000	G304	NO1	6mm x 2000 x 6000	PLATE G304 NO1 ASTM A240/A480	590.40
PSS006G304N01+25006000	G304	NO1	6mm x 2500 x 6000	PLATE G304 NO1 ASTM A240/A480	738.00
PSS008G304N01+15003000	G304	NO1	8mm x 1500 x 3000	PLATE G304 NO1 ASTM A240/A480	295.20
PSS008G304N01+15004000	G304	NO1	8mm x 1500 x 4000	PLATE G304 NO1 ASTM A240/A480	393.60
PSS008G304N01+15006000	G304	NO1	8mm x 1500 x 6000	PLATE G304 NO1 ASTM A240/A480	590.39
PSS008G304N01+20004000	G304	NO1	8mm x 2000 x 4000	PLATE G304 NO1 ASTM A240/A480	524.80
PSS008G304N01+20006000	G304	NO1	8mm x 2000 x 6000	PLATE G304 NO1 ASTM A240/A480	787.00
PSS008G304N01+25006000	G304	NO1	8mm x 2500 x 6000	PLATE G304 NO1 ASTM A240/A480	984.00
PSS010G304N01+15003000	G304	NO1	10mm x 1500 x 3000	PLATE G304 NO1 ASTM A240/A480	369.00
PSS010G304N01+15004000	G304	NO1	10mm x 1500 x 4000	PLATE G304 NO1 ASTM A240/A480	492.00

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

Plate

Grades: 304, 304L, 316L, 321, LDX2101, 2205, 2507, 2RK65, 5CR12, 253MA

Finishes: 2B, 1D, No. 1, 2E

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



PSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
PSS010G304N01+15006000	G304	N01	10mm x 1500 x 6000	PLATE G304 N01 ASTM A240/A480	738.00
PSS010G304N01+20004000	G304	N01	10mm x 2000 x 4000	PLATE G304 N01 ASTM A240/A480	656.00
PSS010G304N01+20006000	G304	N01	10mm x 2000 x 6000	PLATE G304 N01 ASTM A240/A480	984.00

G304L – No. 1

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
PSS010G304LN01+25006000	G304L	N01	10mm x 2500 x 6000	PLATE G304L N01 ASTM A240/A480	1230.00
PSS012G304LN01+15003000	G304L	N01	12mm x 1500 x 3000	PLATE G304L N01 ASTM A240/A480	442.80
PSS012G304LN01+15006000	G304L	N01	12mm x 1500 x 6000	PLATE G304L N01 ASTM A240/A480	885.60
PSS012G304LN01+20004000	G304L	N01	12mm x 2000 x 4000	PLATE G304L N01 ASTM A240/A480	768.00
PSS012G304LN01+20006000	G304L	N01	12mm x 2000 x 6000	PLATE G304L N01 ASTM A240/A480	1181.00
PSS012G304LN01+25006000	G304L	N01	12mm x 2500 x 6000	PLATE G304L N01 ASTM A240/A480	1476.00
PSS016G304LN01+15004000	G304L	N01	16mm x 1500 x 4000	PLATE G304L N01 ASTM A240/A480	787.20
PSS016G304LN01+15006000	G304L	N01	16mm x 1500 x 6000	PLATE G304L N01 ASTM A240/A480	1180.00
PSS016G304LN01+20004000	G304L	N01	16mm x 2000 x 4000	PLATE G304L N01 ASTM A240/A480	1024.00
PSS016G304LN01+20006000	G304L	N01	16mm x 2000 x 6000	PLATE G304L N01 ASTM A240/A480	1574.40
PSS016G304LN01+25006000	G304L	N01	16mm x 2500 x 6000	PLATE G304L N01 ASTM A240/A480	1968.00
PSS020G304LN01+15006000	G304L	N01	20mm x 1500 x 6000	PLATE G304L N01 ASTM A240/A480	1476.00
PSS020G304LN01+20004000	G304L	N01	20mm x 2000 x 4000	PLATE G304L N01 ASTM A240/A480	1280.00
PSS020G304LN01+20006000	G304L	N01	20mm x 2000 x 6000	PLATE G304L N01 ASTM A240/A480	1968.00
PSS025G304LN01+15006000	G304L	N01	25mm x 1500 x 6000	PLATE G304L N01 ASTM A240/A480	1845.00
PSS025G304LN01+20004000	G304L	N01	25mm x 2000 x 4000	PLATE G304L N01 ASTM A240/A480	1600.00
PSS025G304LN01+20006000	G304L	N01	25mm x 2000 x 6000	PLATE G304L N01 ASTM A240/A480	2460.00
PSS032G304LN01+15006000	G304L	N01	32mm x 1500 x 6000	PLATE G304L N01 ASTM A240/A480	2362.60
PSS032G304LN01+20006000	G304L	N01	32mm x 2000 x 6000	PLATE G304L N01 ASTM A240/A480	3148.80
PSS040G304LN01+15006000	G304L	N01	40mm x 1500 x 6000	PLATE G304L N01 ASTM A240/A480	2952.00
PSS040G304LN01+20006000	G304L	N01	40mm x 2000 x 6000	PLATE G304L N01 ASTM A240/A480	3935.92
PSS050G304LN01+15006000	G304L	N01	50mm x 1500 x 6000	PLATE G304L N01 ASTM A240/A480	3690.00
PSS050G304LN01+20006000	G304L	N01	50mm x 2000 x 6000	PLATE G304L N01 ASTM A240/A480	492.00
PSS065G304LN01+20005000	G304L	N01	65mm x 2000 x 5000	PLATE G304L N01 ASTM A240/A480	5330.00
PSS080G304LN01+15003000	G304L	N01	80mm x 1500 x 3000	PLATE G304L N01 ASTM A240/A480	2952.00

G316L – 2B

PSS004G316L2BP+12192438	G316L	2B FLPE	4mm x 1219 x 2438	PLATE G316L 2B FLPE ASTM A240/A480	97.20
PSS004G316L2BP+15003000	G316L	2B FLPE	4mm x 1500 x 3000	PLATE G316L 2B FLPE ASTM A240/A480	147.60
PSS004G316L2BP+15004000	G316L	2B FLPE	4mm x 1500 x 4000	PLATE G316L 2B FLPE ASTM A240/A480	196.80
PSS004G316L2BP+15006000	G316L	2B FLPE	4mm x 1500 x 6000	PLATE G316L 2B FLPE ASTM A240/A480	295.20
PSS004G316L2BP+15003000	G316L	2B FLPE	4mm x 1500 x 3000	PLATE G316L 2B FLPE ASTM A240/A480	144.00
PSS004G316L2BP+20004000	G316L	2B FLPE	4mm x 2000 x 4000	PLATE G316L 2B FLPE ASTM A240/A480	256.00
PSS004G316L2BP+20006000	G316L	2B FLPE	4mm x 2000 x 6000	PLATE G316L 2B FLPE ASTM A240/A480	384.00
PSS005G316L2BP+12192438	G316L	2B FLPE	5mm x 1219 x 2438	PLATE G316L 2B FLPE ASTM A240/A480	121.85
PSS005G316L2BP+15003000	G316L	2B FLPE	5mm x 1500 x 3000	PLATE G316L 2B FLPE ASTM A240/A480	184.50
PSS005G316L2BP+15006000	G316L	2B FLPE	5mm x 1500 x 6000	PLATE G316L 2B FLPE ASTM A240/A480	369.00
PSS005G316L2BP+20004000	G316L	2B FLPE	5mm x 2000 x 4000	PLATE G316L 2B FLPE ASTM A240/A480	328.00
PSS005G316L2BP+20006000	G316L	2B FLPE	5mm x 2000 x 6000	PLATE G316L 2B FLPE ASTM A240/A480	492.00
PSS006G316L2BP+12192438	G316L	2B FLPE	6mm x 1219 x 2438	PLATE G316L 2B FLPE ASTM A240/A480	146.2
PSS006G316L2BP+15003000	G316L	2B FLPE	6mm x 1500 x 3000	PLATE G316L 2B FLPE ASTM A240/A480	221.4
PSS006G316L2BP+15004000	G316L	2B FLPE	6mm x 1500 x 4000	PLATE G316L 2B FLPE ASTM A240/A480	295.2
PSS006G316L2BP+15006000	G316L	2B FLPE	6mm x 1500 x 6000	PLATE G316L 2B FLPE ASTM A240/A480	443
PSS006G316L2BP+20004000	G316L	2B FLPE	6mm x 2000 x 4000	PLATE G316L 2B FLPE ASTM A240/A480	393.6
PSS006G316L2BP+20006000	G316L	2B FLPE	6mm x 2000 x 6000	PLATE G316L 2B FLPE ASTM A240/A480	590.4

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

Plate

Grades: 304, 304L, 316L, 321, LDX2101, 2205, 2507, 2RK65, 5CR12, 253MA
Finishes: 2B, 1D, No. 1, 2E

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



PSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G316L – No. 1					
PSS004G316LN01+15003000	G316L	NO1	4mm x 1500 x 3000	PLATE G316L NO1 ASTM A240/A480	147.60
PSS004G316LN01+15006000	G316L	NO1	4mm x 1500 x 6000	PLATE G316L NO1 ASTM A240/A480	295.20
PSS004G316LN01+20006000	G316L	NO1	4mm x 2000 x 6000	PLATE G316L NO1 ASTM A240/A480	393.60
PSS005G316LN01+12192438	G316L	NO1	5mm x 1219 x 2438	PLATE G316L NO1 ASTM A240/A480	121.80
PSS005G316LN01+15003000	G316L	NO1	5mm x 1500 x 3000	PLATE G316L NO1 ASTM A240/A480	184.50
PSS005G316LN01+15004000	G316L	NO1	5mm x 1500 x 4000	PLATE G316L NO1 ASTM A240/A480	246.00
PSS005G316LN01+15006000	G316L	NO1	5mm x 1500 x 6000	PLATE G316L NO1 ASTM A240/A480	369.00
PSS005G316LN01+20004000	G316L	NO1	5mm x 2000 x 4000	PLATE G316L NO1 ASTM A240/A480	328.00
PSS005G316LN01+20006000	G316L	NO1	5mm x 2000 x 6000	PLATE G316L NO1 ASTM A240/A480	492.00
PSS005G316LN01+25006000	G316L	NO1	5mm x 2500 x 6000	PLATE G316L NO1 ASTM A240/A480	615.00
PSS006G316LN01+12192438	G316L	NO1	6mm x 1219 x 2438	PLATE G316L NO1 ASTM A240/A480	146.20
PSS006G316LN01+15003000	G316L	NO1	6mm x 1500 x 3000	PLATE G316L NO1 ASTM A240/A480	221.40
PSS006G316LN01+15004000	G316L	NO1	6mm x 1500 x 4000	PLATE G316L NO1 ASTM A240/A480	295.20
PSS006G316LN01+15006000	G316L	NO1	6mm x 1500 x 6000	PLATE G316L NO1 ASTM A240/A480	443.00
PSS006G316LN01+20004000	G316L	NO1	6mm x 1500 x 4000	PLATE G316L NO1 ASTM A240/A480	393.60
PSS006G316LN01+20006000	G316L	NO1	6mm x 2000 x 6000	PLATE G316L NO1 ASTM A240/A480	590.40
PSS006G316LN01+25006000	G316L	NO1	6mm x 2500 x 6000	PLATE G316L NO1 ASTM A240/A480	738.00
PSS008G316LN01+15003000	G316L	NO1	8mm x 1500 x 3000	PLATE G316L NO1 ASTM A240/A480	295.00
PSS008G316LN01+15004000	G316L	NO1	8mm x 1500 x 4000	PLATE G316L NO1 ASTM A240/A480	393.60
PSS008G316LN01+15006000	G316L	NO1	8mm x 1500 x 6000	PLATE G316L NO1 ASTM A240/A480	590.00
PSS008G316LN01+20004000	G316L	NO1	8mm x 2000 x 4000	PLATE G316L NO1 ASTM A240/A480	512.00
PSS008G316LN01+20006000	G316L	NO1	8mm x 2000 x 6000	PLATE G316L NO1 ASTM A240/A480	787.20
PSS008G316LN01+25006000	G316L	NO1	8mm x 2500 x 6000	PLATE G316L NO1 ASTM A240/A480	984.00
PSS010G316LN01+15003000	G316L	NO1	10mm x 1500 x 3000	PLATE G316L NO1 ASTM A240/A480	369.00
PSS010G316LN01+15004000	G316L	NO1	10mm x 1500 x 4000	PLATE G316L NO1 ASTM A240/A480	492.00
PSS010G316LN01+15006000	G316L	NO1	10mm x 1500 x 6000	PLATE G316L NO1 ASTM A240/A480	738.00
PSS010G316LN01+20004000	G316L	NO1	10mm x 2000 x 4000	PLATE G316L NO1 ASTM A240/A480	640.00
PSS010G316LN01+20006000	G316L	NO1	10mm x 2000 x 6000	PLATE G316L NO1 ASTM A240/A480	984.00
PSS010G316LN01+25006000	G316L	NO1	10mm x 2500 x 6000	PLATE G316L NO1 ASTM A240/A480	1230.00
PSS012G316LN01+15003000	G316L	NO1	12mm x 1500 x 3000	PLATE G316L NO1 ASTM A240/A480	443.00
PSS012G316LN01+15004000	G316L	NO1	12mm x 1500 x 4000	PLATE G316L NO1 ASTM A240/A480	591.00
PSS012G316LN01+15006000	G316L	NO1	12mm x 1500 x 6000	PLATE G316L NO1 ASTM A240/A480	886.00
PSS012G316LN01+20004000	G316L	NO1	12mm x 2000 x 4000	PLATE G316L NO1 ASTM A240/A480	768.00
PSS012G316LN01+20006000	G316L	NO1	12mm x 2000 x 6000	PLATE G316L NO1 ASTM A240/A480	1151.99
PSS012G316LN01+25006000	G316L	NO1	12mm x 2500 x 6000	PLATE G316L NO1 ASTM A240/A480	1476.00
PSS016G316LN01+15003000	G316L	NO1	16mm x 1500 x 3000	PLATE G316L NO1 ASTM A240/A480	592.00
PSS016G316LN01+15004000	G316L	NO1	16mm x 1500 x 4000	PLATE G316L NO1 ASTM A240/A480	787.00
PSS016G316LN01+15006000	G316L	NO1	16mm x 1500 x 6000	PLATE G316L NO1 ASTM A240/A480	1181.00
PSS016G316LN01+20004000	G316L	NO1	16mm x 2000 x 4000	PLATE G316L NO1 ASTM A240/A480	1024.00
PSS016G316LN01+20006000	G316L	NO1	16mm x 2000 x 6000	PLATE G316L NO1 ASTM A240/A480	1575.00
PSS020G316LN01+15006000	G316L	NO1	20mm x 1500 x 6000	PLATE G316L NO1 ASTM A240/A480	1476.00
PSS020G316LN01+20004000	G316L	NO1	20mm x 2000 x 4000	PLATE G316L NO1 ASTM A240/A480	1280.00
PSS020G316LN01+20006000	G316L	NO1	20mm x 2000 x 6000	PLATE G316L NO1 ASTM A240/A480	1968.00
PSS020G316LN01+25006000	G316L	NO1	20mm x 2500 x 6000	PLATE G316L NO1 ASTM A240/A480	2460.00
PSS025G316LN01+15006000	G316L	NO1	25mm x 1500 x 6000	PLATE G316L NO1 ASTM A240/A480	1845.00
PSS025G316LN01+20004000	G316L	NO1	25mm x 2000 x 4000	PLATE G316L NO1 ASTM A240/A480	1600.00
PSS025G316LN01+20006000	G316L	NO1	25mm x 2000 x 6000	PLATE G316L NO1 ASTM A240/A480	2460.00
PSS032G316LN01+15006000	G316L	NO1	32mm x 1500 x 6000	PLATE G316L NO1 ASTM A240/A480	2362.00
PSS032G316LN01+20006000	G316L	NO1	32mm x 2000 x 6000	PLATE G316L NO1 ASTM A240/A480	3149.00
PSS040G316LN01+15006000	G316L	NO1	40mm x 1500 x 6000	PLATE G316L NO1 ASTM A240/A480	2952.00
PSS040G316LN01+20006000	G316L	NO1	40mm x 2000 x 6000	PLATE G316L NO1 ASTM A240/A480	3936.00

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

Plate

Grades: 304, 304L, 316L, 321, LDX2101, 2205, 2507, 2RK65, 5CR12, 253MA
Finishes: 2B, 1D, No. 1, 2E

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



PSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
PSS050G316LN01+20006000	G316L	N01	50mm x 2000 x 6000	PLATE G316L N01 ASTM A240/A480	4920.00
PSS065G316LN01+20004000	G316L	N01	65mm x 2000 x 4000	PLATE G316L N01 ASTM A240/A480	4160.08
PSS080G316LN01+20003000	G316L	N01	80mm x 2000 x 3000	PLATE G316L N01 ASTM A240/A480	3936.00
PSS100G316LN01+20003000	G316L	N01	100mm x 2000 x 3000	PLATE G316L N01 ASTM A240/A480	4920.00

LDX2101 – 2E/1D/No. 1

PSS004G21012E+20006000	LDX2101	2E	4mm x 2000 x 6000	PLATE LDX2101 2E ASTM A240/A480	393.60
PSS005G21012E+20004000	LDX2101	1D	5mm x 2000 x 4000	PLATE LDX2101 N01 ASTM A240/A480	328.00
PSS005G21012E+20006000	LDX2101	1D	5mm x 2000 x 6000	PLATE LDX2101 N01 ASTM A240/A480	492.00
PSS006G21012E+20006000	LDX2101	1D	6mm x 2000 x 6000	PLATE LDX2101 N01 ASTM A240/A480	590.40
PSS008G21012E+20004000	LDX2101	1D	8mm x 2000 x 4000	PLATE LDX2101 N01 ASTM A240/A480	525.00
PSS008G21012E+20006000	LDX2101	1D	8mm x 2000 x 6000	PLATE LDX2101 N01 ASTM A240/A480	787.00
PSS010G2101N01+20006000	LDX2101	N01	10mm x 2000 x 6000	PLATE LDX2101 N01 ASTM A240/A480	984.00
PSS012G2101N01+20006000	LDX2101	N01	12mm x 2000 x 6000	PLATE LDX2101 N01 ASTM A240/A480	1181.00
PSS016G2101N01+20006000	LDX2101	N01	16mm x 2000 x 6000	PLATE LDX2101 N01 ASTM A240/A480	1575.00
PSS020G2101N01+20006000	LDX2101	N01	20mm x 2000 x 6000	PLATE LDX2101 N01 ASTM A240/A480	1968.00
PSS025G2101N01+20006000	LDX2101	N01	25mm x 2000 x 6000	PLATE LDX2101 N01 ASTM A240/A480	2453.00

G2205 – 2E/1D/No. 1

PSS004G22052E+20006000	G2205	2E	4mm x 2000 x 6000	PLATE G2205 2E ASTM A240/A480	393.60
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	2048.01
PSS040G2205N01+20004000	G2205	1D	40mm x 2000 x 4000	PLATE G2205 1D ASTM A240/A480	2559.97
PSS005G2205N01+20006000	G2205	N01	5mm x 2000 x 6000	PLATE G2205 N01 ASTM A240/A480	492.00
PSS006G2205N01+20006000	G2205	N01	6mm x 2000 x 6000	PLATE G2205 N01 ASTM A240/A480	590.40
PSS008G2205N01+20006000	G2205	N01	8mm x 2000 x 6000	PLATE G2205 N01 ASTM A240/A480	787.20
PSS010G2205N01+20004000	G2205	N01	10mm x 2000 x 4000	PLATE G2205 N01 ASTM A240/A480	654.00
PSS010G2205N01+20006000	G2205	N01	10mm x 2000 x 6000	PLATE G2205 N01 ASTM A240/A480	984.00
PSS010G2205N01+25006000	G2205	N01	10mm x 2500 x 6000	PLATE G2205 N01 ASTM A240/A480	1230.00
PSS012G2205N01+20006000	G2205	N01	12mm x 2000 x 6000	PLATE G2205 N01 ASTM A240/A480	1180.00
PSS016G2205N01+20006000	G2205	N01	16mm x 2000 x 6000	PLATE G2205 N01 ASTM A240/A480	1574.00
PSS020G2205N01+20006000	G2205	N01	20mm x 2000 x 6000	PLATE G2205 N01 ASTM A240/A480	1968.00
PSS025G2205N01+20006000	G2205	N01	25mm x 2000 x 6000	PLATE G2205 N01 ASTM A240/A480	2460.00
PSS032G2205N01+20006000	G2205	N01	32mm x 2000 x 6000	PLATE G2205 N01 ASTM A240/A480	3148.00
PSS040G2205N01+20006000	G2205	N01	40mm x 2000 x 6000	PLATE G2205 N01 ASTM A240/A480	3936.00
PSS050G2205N01+20006000	G2205	N01	50mm x 2000 x 6000	PLATE G2205 N01 ASTM A240/A480	4920.00

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

Plate

Grades: 304, 304L, 316L, 321, LDX2101, 2205, 2507, 2RK65, 5CR12, 253MA
Finishes: 2B, 1D, No. 1, 2E

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



PSS

Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G2507 – No. 1					
PSS005G2507N01+20006000	G2507	NO1	5mm x 2000 x 6000	PLATE G2507 NO1 ASTM A240/A480	492.00
PSS006G2507N01+20006000	G2507	NO1	6mm x 2000 x 6000	PLATE G2507 NO1 ASTM A240/A480	590.00
PSS008G2507N01+20006000	G2507	NO1	8mm x 2000 x 6000	PLATE G2507 NO1 ASTM A240/A480	787.00
PSS010G2507N01+20006000	G2507	NO1	10mm x 2000 x 6000	PLATE G2507 NO1 ASTM A240/A480	984.00
PSS012G2507N01+20006000	G2507	NO1	12mm x 2000 x 6000	PLATE G2507 NO1 ASTM A240/A480	1182.00
PSS016G2507N01+20006000	G2507	NO1	16mm x 2000 x 6000	PLATE G2507 NO1 ASTM A240/A480	1574.00
PSS020G2507N01+20006000	G2507	NO1	20mm x 2000 x 6000	PLATE G2507 NO1 ASTM A240/A480	1968.00
PSS025G2507N01+20006000	G2507	NO1	25mm x 2000 x 6000	PLATE G2507 NO1 ASTM A240/A480	2460.00
PSS032G2507N01+20006000	G2507	NO1	32mm x 2000 x 6000	PLATE G2507 NO1 ASTM A240/A480	3148.00
G2RK65 – No. 1					
PSS005G2RK65N01+20006000	G2RK65	NO1	5mm x 2000 x 6000	PLATE G2RK65 NO1 ASTM A240/A480	492.00
PSS006G2RK65N01+20006000	G2RK65	NO1	6mm x 2000 x 6000	PLATE G2RK65 NO1 ASTM A240/A480	590.00
PSS008G2RK65N01+20006000	G2RK65	NO1	8mm x 2000 x 6000	PLATE G2RK65 NO1 ASTM A240/A480	787.00
PSS010G2RK65N01+20006000	G2RK65	NO1	10mm x 2000 x 6000	PLATE G2RK65 NO1 ASTM A240/A480	984.00
PSS012G2RK65N01+20006000	G2RK65	NO1	12mm x 2000 x 6000	PLATE G2RK65 NO1 ASTM A240/A480	1181.00
PSS016G2RK65N01+20006000	G2RK65	NO1	16mm x 2000 x 6000	PLATE G2RK65 NO1 ASTM A240/A480	1574.00
PSS019G2RK65N01+20006000	G2RK65	NO1	19mm x 2000 x 6000	PLATE G2RK65 NO1 ASTM A240/A480	1869.00
G5CR12 – No. 1					
PSS005G5CR12N01+15003000	G5CR12	NO1	5mm x 1500 x 3000	PLATE 5CR12 NO1 ASTM A240/A480	184.50
PSS005G5CR12N01+15006000	G5CR12	NO1	5mm x 1500 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	369.00
PSS005G5CR12N01+20006000	G5CR12	NO1	5mm x 2000 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	492.00
PSS006G5CR12N01+15003000	G5CR12	NO1	6mm x 1500 x 3000	PLATE 5CR12 NO1 ASTM A240/A480	221.40
PSS006G5CR12N01+15004000	G5CR12	NO1	6mm x 1500 x 4000	PLATE 5CR12 NO1 ASTM A240/A480	295.20
PSS006G5CR12N01+15006000	G5CR12	NO1	6mm x 1500 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	442.80
PSS006G5CR12N01+20006000	G5CR12	NO1	6mm x 2000 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	590.40
PSS008G5CR12N01+15006000	G5CR12	NO1	8mm x 1500 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	590.40
PSS008G5CR12N01+20006000	G5CR12	NO1	8mm x 2000 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	787.20
PSS010G5CR12N01+15003000	G5CR12	NO1	10mm x 1500 x 3000	PLATE 5CR12 NO1 ASTM A240/A480	369.00
PSS010G5CR12N01+15006000	G5CR12	NO1	10mm x 1500 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	738.00
PSS010G5CR12N01+20006000	G5CR12	NO1	10mm x 2000 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	984.00
PSS012G5CR12N01+15006000	G5CR12	NO1	12mm x 1500 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	885.60
PSS012G5CR12N01+20006000	G5CR12	NO1	12mm x 2000 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	1181.00
PSS016G5CR12N01+15006000	G5CR12	NO1	16mm x 1500 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	1181.00
PSS016G5CR12N01+20006000	G5CR12	NO1	16mm x 2000 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	1574.40
PSS020G5CR12N01+15006000	G5CR12	NO1	20mm x 1500 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	1476.00
PSS020G5CR12N01+20006000	G5CR12	NO1	20mm x 2000 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	1968.00
PSS025G5CR12N01+15006000	G5CR12	NO1	25mm x 1500 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	1845.00
PSS025G5CR12N01+20006000	G5CR12	NO1	25mm x 2000 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	2460.00
PSS040G5CR12N01+22506000	G5CR12	NO1	40mm x 2250 x 6000	PLATE 5CR12 NO1 ASTM A240/A480	4428.00

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

Plate

Grades: 304, 304L, 316L, 321, LDX2101, 2205, 2507, 2RK65, 5CR12, 253MA
Finishes: 2B, 1D, No. 1, 2E

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



PSS

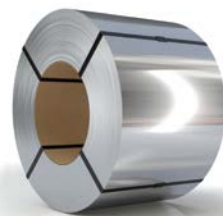
Product Code	Grade	Finish	Product Size (mm)	Description	Weight Ea (kg)
G253MA – 2E/1D/No. 1					
PSS005G253MANO1+20004000	G253MA	2E	5mm x 2000 x 4000	PLATE S30815 2E ASTM A240/A480	320.00
PSS006G253MANO1+20004000	G253MA	1D	6mm x 2000 x 4000	PLATE S30815 1D ASTM A240/A480	384.00
PSS008G253MANO1+20004000	G253MA	1D	8mm x 2000 x 4000	PLATE S30815 1D ASTM A240/A480	512.00
PSS010G253MANO1+20004000	G253MA	1D	10mm x 2000 x 4000	PLATE S30815 1D ASTM A240/A480	640.00
PSS012G253MANO1+20004000	253MA	1D	12mm x 2000 x 4000	PLATE S30815 1D ASTM A240/A480	768.00
PSS015G253MANO1+15003000	253MA	1D	15mm x 1500 x 3000	PLATE S30815 1D ASTM A240/A480	540.00
PSS020G253MANO1+15003000	253MA	1D	20mm x 2000 x 4000	PLATE S30815 1D ASTM A240/A480	1280.00
PSS025G253MANO1+20004000	253MA	1D	25mm x 2000 x 4000	PLATE S30815 1D ASTM A240/A480	1600.00
PSS004G253MANO1+20006000	253MA	N01	4mm x 2000 x 6000	PLATE S30815 N01 ASTM A240/A480	393.60
PSS005G253MANO1+20006000	253MA	N01	5mm x 2000 x 6000	PLATE S30815 N01 ASTM A240/A480	492.00
PSS006G253MANO1+20006000	253MA	N01	6mm x 2000 x 6000	PLATE S30815 N01 ASTM A240/A480	591.00
PSS008G253MANO1+20006000	253MA	N01	8mm x 2000 x 6000	PLATE S30815 N01 ASTM A240/A480	787.00
PSS010G253MANO1+20004000	253MA	N01	10mm x 2000 x 4000	PLATE S30815 N01 ASTM A240/A480	660.00
PSS010G253MANO1+20006000	253MA	N01	10mm x 2000 x 6000	PLATE S30815 N01 ASTM A240/A480	984.00
PSS012G253MANO1+20006000	253MA	N01	12mm x 2000 x 6000	PLATE S30815 N01 ASTM A240/A480	1181.00
PSS016G253MANO1+20004000	253MA	N01	16mm x 2000 x 4000	PLATE S30815 N01 ASTM A240/A480	1049.60
PSS016G253MANO1+20006000	253MA	N01	16mm x 2000 x 6000	PLATE S30815 N01 ASTM A240/A480	1575.00
PSS019G253MANO1+20004000	253MA	N01	19mm x 2000 x 4000	PLATE S30815 N01 ASTM A240/A480	1246.40
PSS019G253MANO1+20006000	253MA	N01	19mm x 2000 x 6000	PLATE S30815 N01 ASTM A240/A480	1870.00
PSS025G253MANO1+20006000	253MA	N01	25mm x 2000 x 6000	PLATE S30815 N01 ASTM A240/A480	2460.00

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

Coil

Grades: 304, 304L, 316, 316L, 430, 2205, LDX2101, 5CR12, 253MA
Finishes: 2B, 2E, BA, No. 1, No. 4
Unit of Supply: Kg

Certification: Acc. to ASTM A240/A480



CSS

Product Code	Grade	Finish	Product Size (mm)	Description
G304 - 2B				
CSS055G3042B+915	G304	2B	0.55mm x 915	COIL G304 2B ASTM A240/A480
CSS055G3042B+1219	G304	2B	0.55mm x 1219	COIL G304 2B ASTM A240/A480
CSS070G3042B+1219	G304	2B	0.70mm x 1219	COIL G304 2B ASTM A240/A480
CSS090G3042B+1219	G304	2B	0.90mm x 1219	COIL G304 2B ASTM A240/A480
CSS120G3042B+1219	G304	2B	1.20mm x 1219	COIL G304 2B ASTM A240/A480
CSS150G3042B+1219	G304	2B	1.50mm x 1219	COIL G304 2B ASTM A240/A480
CSS150G3042B+1500	G304	2B	1.50mm x 1500	COIL G304 2B ASTM A240/A480
CSS150G3042BP+1500	G304	2B/PE	1.50mm x 1500	COIL G304 2B ASTM A240/A480
CSS200G3042B+1219	G304	2B	2.00mm x 1219	COIL G304L 2B ASTM A240/A480
CSS200G3042B+1500	G304	2B	2.00mm x 1500	COIL G304 2B ASTM A240/A480
CSS200G3042B+2000	G304	2B	2.00mm x 2000	COIL G304 2B ASTM A240/A480
CSS250G3042B+1219	G304	2B	2.50mm x 1219	COIL G304L 2B ASTM A240/A480
CSS250G3042B+1500	G304	2B	2.50mm x 1500	COIL G304 2B ASTM A240/A480
CSS300G3042B+915	G304	2B	3.00mm x 915	COIL G304 2B ASTM A240/A480
CSS300G3042B+1219	G304	2B	3.00mm x 1219	COIL G304L 2B ASTM A240/A480
CSS300G3042B+1500	G304	2B	3.00mm x 1500	COIL G304 2B ASTM A240/A480
CSS300G3042B+2000	G304	2B	3.00mm x 2000	COIL G304 2B ASTM A240/A480
CSS400G3042B+1219	G304	2B	4.00mm x 1219	COIL G304 2B ASTM A240/A480
CSS400G3042B+1500	G304	2B	4.00mm x 1500	COIL G304 2B ASTM A240/A480
CSS400G3042B+2000	G304	2B	4.00mm x 2000	COIL G304 2B ASTM A240/A480
CSS005G3042B+1219	G304	2B	5.00mm x 1219	COIL G304 2B ASTM A240/A480
CSS005G3042B+1500	G304	2B	5.00mm x 1500	COIL G304 2B ASTM A240/A480
CSS005G3042B+2000	G304	2B	5.00mm x 2000	COIL G304 2B ASTM A240/A480
CSS006G3042B+1219	G304	2B	6.00mm x 1219	COIL G304 2B ASTM A240/A480
CSS006G3042B+1500	G304	2B	6.00mm x 1500	COIL G304 2B ASTM A240/A480
CSS006G3042B+2000	G304	2B	6.00mm x 2000	COIL G304 2B ASTM A240/A480
CSS090G3042BP+1219	G304	2B FLPE	0.90mm x 1219	COIL G304 2B LPE ASTM A240/A480
CSS090G3042BP+1500	G304	2B FLPE	0.90mm x 1500	COIL G304 2B LPE ASTM A240/A480
CSS120G3042BP+915	G304	2B FLPE	1.20mm x 915	COIL G304 2B LPE ASTM A240/A480
CSS120G3042BP+1219	G304	2B FLPE	1.20mm x 1219	COIL G304 2B LPE ASTM A240/A480
CSS120G3042BP+1500	G304	2B FLPE	1.20mm x 1500	COIL G304 2B LPE ASTM A240/A480
CSS120G3042BP+1524	G304	2B FLPE	1.20mm x 1524	COIL G304 2B LPE ASTM A240/A480
CSS150G3042BP+1219	G304	2B FLPE	1.50mm x 1219	COIL G304 2B LPE ASTM A240/A480
CSS150G3042BP+1500	G304	2B FLPE	1.50mm x 1500	COIL G304 2B LPE ASTM A240/A480
CSS200G3042BP+1219	G304L	2B FLPE	2.00mm x 1219	COIL G304L 2B LPE ASTM A240/A480
CSS200G3042BP+1500	G304L	2B FLPE	2.00mm x 1500	COIL G304L 2B LPE ASTM A240/A480
CSS200G304L2BP+2000	G304L	2B FLPE	2.00mm x 2000	COIL G304L 2B LPE ASTM A240/A480
CSS250G3042BP+1219	G304L	2B FLPE	2.50mm x 1219	COIL G304L 2B LPE ASTM A240/A480
CSS250G3042BP+1500	G304L	2B FLPE	2.50mm x 1500	COIL G304L 2B LPE ASTM A240/A480
CSS250G304L2BP+2000	G304L	2B FLPE	2.50mm x 2000	COIL G304L 2B LPE ASTM A240/A480
CSS300G3042BP+1219	G304L	2B FLPE	3.00mm x 1219	COIL G304L 2B LPE ASTM A240/A480
CSS300G3042BP+1500	G304L	2B FLPE	3.00mm x 1500	COIL G304L 2B LPE ASTM A240/A480
CSS300G304L2BP+2000	G304L	2B FLPE	3.00mm x 2000	COIL G304L 2B LPE ASTM A240/A480
CSS400G304L2BP+1500	G304L	2B FLPE	4.00mm x 1500	COIL G304L 2B LPE ASTM A240/A480
CSS400G304L2BP+2000	G304L	2B FLPE	4.00mm x 2000	COIL G304L 2B LPE ASTM A240/A480

Cut-to-length options available.

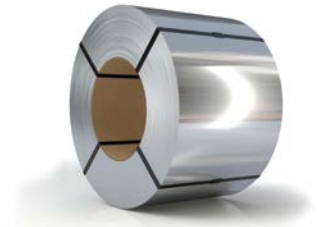
Laser cutting quality film standard (100 microns)

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

Coil

Grades: 304, 304L, 316, 316L, 430, 2205, LDX2101, 5CR12, 253MA
Finishes: 2B, 2E, BA, No. 1, No. 4
Unit of Supply: Kg

Certification: Acc. to ASTM A240/A480



CSS

Product Code	Grade	Finish	Product Size (mm)	Description
G304 - BA				
CSS120G304BA+0915	G304	BA LPE	1.20mm x 0915	COIL G304 BA LPE ASTM A240/A480
CSS120G304BA+1219	G304	BA LPE	1.20mm x 1219	COIL G304 BA LPE ASTM A240/A480
CSS125G304LINBA+1250	G304	LINEN LPE	1.25mm x 1250	COIL G304 LINEN LPE ASTM A240/A480
G304 - No. 1				
CSS400G304NO1+1219	G304	NO1	4.00mm x 1219	COIL G304 NO1 ASTM A240/480
CSS400G304NO1+1500	G304	NO1	4.00mm x 1500	COIL G304 NO1 ASTM A240/480
CSS400G304NO1+2000	G304	NO1	4.00mm x 2000	COIL G304 NO1 ASTM A240/480
CSS005G304NO1+1219	G304	NO1	5.00mm x 1219	COIL G304 NO1 ASTM A240/480
CSS005G304NO1+1500	G304	NO1	5.00mm x 1500	COIL G304 NO1 ASTM A240/480
CSS005G304NO1+2000	G304	NO1	5.00mm x 2000	COIL G304 NO1 ASTM A240/480
CSS006G304NO1+1219	G304	NO1	6.00mm x 1219	COIL G304 NO1 ASTM A240/480
CSS006G304NO1+1500	G304	NO1	6.00mm x 1500	COIL G304 NO1 ASTM A240/480
CSS006G304NO1+2000	G304	NO1	6.00mm x 2000	COIL G304 NO1 ASTM A240/480
CSS008G304NO1+1500	G304	NO1	8.00mm x 1500	COIL G304 NO1 ASTM A240/480
CSS008G304NO1+2000	G304	NO1	8.00mm x 2000	COIL G304 NO1 ASTM A240/480
CSS010G304NO1+1500	G304	NO1	10.00mm x 1500	COIL G304 NO1 ASTM A240/480
CSS010G304NO1+2000	G304	NO1	10.00mm x 2000	COIL G304 NO1 ASTM A240/480
CSS006G304CP+1250	G304	NO1	6.00mm x 1250	COIL CHEQUER PLATE G304 NO1
CSS0045G304CP+1524	G304	NO1	4.50mm x 1524	COIL CHEQUER PLATE G304 NO1
G304 - No. 4				
CSS055G304NO4+1219	G304	NO4	0.55mm x 1219	COIL G304 NO4 ASTM A240/480
CSS070G304NO4+1219	G304	NO4	0.70mm x 1219	COIL G304 NO4 ASTM A240/480
CSS090G304NO4+915	G304	NO4	0.90mm x 915	COIL G304 NO4 ASTM A240/480
CSS090G304NO4+1219	G304	NO4	0.90mm x 1219	COIL G304 NO4 ASTM A240/480
CSS120G304NO4+0750	G304	NO4	1.20mm x 750	COIL G304 NO4 ASTM A240/480
CSS120G304NO4+0915	G304	NO4	1.20mm x 915	COIL G304 NO4 ASTM A240/480
CSS120G304NO4+1000	G304	NO4	1.20mm x 1000	COIL G304 NO4 ASTM A240/480
CSS120G304NO4+1050	G304	NO4	1.20mm x 1050	COIL G304 NO4 ASTM A240/480
CSS120G304NO4+1219	G304	NO4	1.20mm x 1219	COIL G304 NO4 ASTM A240/480
CSS120G304NO4+1500	G304	NO4	1.20mm x 1500	COIL G304 NO4 ASTM A240/480
CSS150G304NO4+0915	G304	NO4	1.50mm x 915	COIL G304 NO4 ASTM A240/480
CSS150G304NO4+1219	G304	NO4	1.50mm x 1219	COIL G304 NO4 ASTM A240/480
CSS150G304NO4+1500	G304	NO4	1.50mm x 1500	COIL G304 NO4 ASTM A240/480
CSS200G304NO4+1219	G304	NO4	2.00mm x 1219	COIL G304 NO4 ASTM A240/480
CSS300G304NO4+1219	G304	NO4	3.00mm x 1219	COIL G304 NO4 ASTM A240/480
CSS120G304NO4+0915	G304	NO4 FLPE	1.20mm x 0915	COIL G304 NO4 FLPE ASTM A240/A480
CSS120G304NO4+1219	G304	NO4 FLPE	1.20mm x 1219	COIL G304 NO4 FLPE ASTM A240/A480
CSS120G304NO4+1524	G304	NO4 FLPE	1.20mm x 1524	COIL G304 NO4 FLPE ASTM A240/A480
CSS150G304NO4+0915	G304	NO4 FLPE	1.50mm x 0915	COIL G304 NO4 FLPE ASTM A240/A480
CSS150G304NO4+1219	G304	NO4 FLPE	1.50mm x 1219	COIL G304 NO4 FLPE ASTM A240/A480

Cut-to-length options available.

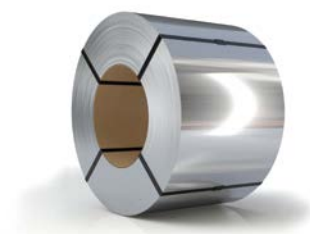
Laser cutting quality film standard (100 microns)

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

Coil

Grades: 304, 304L, 316, 316L, 430, 2205, LDX2101, 5CR12, 253MA
Finishes: 2B, 2E, BA, No. 1, No. 4
Unit of Supply: Kg

Certification: Acc. to ASTM A240/A480



CSS

Product Code	Grade	Finish	Product Size (mm)	Description
G316 - 2B				
CSS055G3162B+0915	G316	2B	0.55mm x 915	COIL G316 2B ASTM A240/480
CSS055G3162B+1219	G316	2B	0.55mm x 1219	COIL G316 2B ASTM A240/480
CSS055G3162BP+1219	G316	2B/PE	0.55mm x 1219	COIL G316 2B/PE ASTM A240/480
CSS070G3162B+1219	G316	2B	0.70mm x 1219	COIL G316 2B ASTM A240/480
CSS120G3162B+1219	G316	2B	1.20mm x 1219	COIL G316 2B ASTM A240/480
CSS120G3162B+1500	G316	2B	1.20mm x 1500	COIL G316 2B ASTM A240/480
CSS120G3162BP+1219	G316	2B/PE	1.20mm x 1219	COIL G316 2B/PE ASTM A240/480
CSS150G3162B+1219	G316	2B	1.50mm x 1219	COIL G316 2B ASTM A240/480
CSS150G3162B+1500	G316	2B	1.50mm x 1500	COIL G316 2B ASTM A240/480
CSS2000G3162B+1219	G316	2B	2.00mm x 1219	COIL G316 2B ASTM A240/480
CSS2000G3162B+1500	G316	2B	2.00mm x 1500	COIL G316 2B ASTM A240/480
CSS2500G3162B+1219	G316	2B	2.50mm x 1219	COIL G316 2B ASTM A240/480
CSS2500G3162B+1500	G316	2B	2.50mm x 1500	COIL G316 2B ASTM A240/480
CSS3000G3162B+1219	G316	2B	3.00mm x 1219	COIL G316 2B ASTM A240/480
CSS3000G3162B+1500	G316	2B	3.00mm x 1500	COIL G316 2B ASTM A240/480
G316 - No. 4				
CSS070G316N04+1219	G316	N04	0.70mm x 1219	COIL G316 N04 ASTM A240/480
CSS090G316N04+1219	G316	N04	0.90mm x 1219	COIL G316 N04 ASTM A240/480
CSS120G316N04+1219	G316	N04	1.20mm x 1219	COIL G316 N04 ASTM A240/480
CSS150G316N04+1219	G316	N04	1.50mm x 1219	COIL G316 N04 ASTM A240/480
CSS200G316N04+1219	G316	N04	2.00mm x 1219	COIL G316 N04 ASTM A240/480
CSS200G316N04+1500	G316	N04	2.00mm x 1500	COIL G316 N04 ASTM A240/480
G316L - 2B				
CSS200G316L2BP+1219	G316L	2B FLPE	2.00mm x 1219	COIL G316L 2B LPE ASTM A240/A480
CSS200G316L2BP+1500	G316L	2B FLPE	2.00mm x 1500	COIL G316L 2B LPE ASTM A240/A480
CSS2000G316L2B+2000	G316L	2B	2.0mm x 2000	COIL G316L 2B ASTM A240/480
CSS250G316L2BP+1219	G316L	2B FLPE	2.50mm x 1219	COIL G316L 2B LPE ASTM A240/A480
CSS250G316L2BP+1500	G316L	2B FLPE	2.50mm x 1500	COIL G316L 2B LPE ASTM A240/A480
CSS300G316L2B+1219	G316L	2B	3.00mm x 1219	COIL G316L 2B ASTM A240/A480
CSS300G316L2BP+1219	G316L	2B FLPE	3.00mm x 1219	COIL G316L 2B LPE ASTM A240/A480
CSS3000G316L2B+2000	G316L	2B	3.00mm x 2000	COIL G316L 2B ASTM A240/480
CSS300G316L2BP+1500	G316L	2B FLPE	3.00mm x 1500	COIL G316L 2B LPE ASTM A240/A480
CSS400G316L2B+1219	G316L	2B	4.00mm x 1219	COIL G316L 2B ASTM A240/480
CSS400G316L2BP+1500	G316L	2B FLPE	4.00mm x 1500	COIL G316L 2B LPE ASTM A240/A480
CSS400G316L2B+2000	G316L	2B	4.00mm x 2000	COIL G316L 2B ASTM A240/480
CSS005G316L2B+1219	G316L	2B	5.00mm x 1219	COIL G316L 2B ASTM A240/480
CSS005G316L2B+1500	G316L	2B	5.00mm x 1500	COIL G316L 2B ASTM A240/480
CSS005G316L2B+2000	G316L	2B	5.00mm x 2000	COIL G316L 2B ASTM A240/480
CSS006G316L2B+1219	G316L	2B	6.00mm x 1219	COIL G316L 2B ASTM A240/480
CSS006G316L2B+1500	G316L	2B	6.00mm x 1500	COIL G316L 2B ASTM A240/480
CSS006G316L2B+2000	G316L	2B	6.00mm x 2000	COIL G316L 2B ASTM A240/480

Cut-to-length options available.

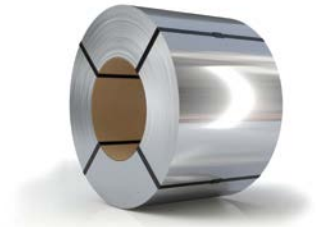
Laser cutting quality film standard (100 microns)

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

Coil

Grades: 304, 304L, 316, 316L, 430, 2205, LDX2101, 5CR12, 253MA
Finishes: 2B, 2E, BA, No. 1, No. 4
Unit of Supply: Kg

Certification: Acc. to ASTM A240/A480



CSS

Product Code	Grade	Finish	Product Size (mm)	Description
G316L - No. 1				
CSS400G316LN01+1500	316L	N01	4.00mm x 1500	COIL G316L N01 ASTM A240/480
CSS400G316LN01+2000	316L	N01	4.00mm x 2000	COIL G316L N01 ASTM A240/480
CSS005G316LN01+1219	316L	N01	5.00mm x 1219	COIL G316L N01 ASTM A240/480
CSS005G316LN01+1500	316L	N01	5.00mm x 1500	COIL G316L N01 ASTM A240/480
CSS005G316LN01+2000	316L	N01	5.00mm x 2000	COIL G316L N01 ASTM A240/480
CSS006G316LN01+1219	316L	N01	6.00mm x 1219	COIL G316L N01 ASTM A240/480
CSS006G316LN01+1500	316L	N01	6.00mm x 1500	COIL G316L N01 ASTM A240/480
CSS006G316LN01+2000	316L	N01	6.00mm x 2000	COIL G316L N01 ASTM A240/480
CSS008G316LN01+1500	316L	N01	8.00mm x 1500	COIL G316L N01 ASTM A240/480
CSS008G316LN01+2000	316L	N01	8.00mm x 2000	COIL G316L N01 ASTM A240/480
CSS010G316LN01+1500	316L	N01	10.00mm x 1500	COIL G316L N01 ASTM A240/480
CSS010G316LN01+2000	316L	N01	10.00mm x 2000	COIL G316L N01 ASTM A240/480
LDX 2101 - 2E				
CSS200G21012E+1500	LDX2101	2E	2.00mm x 1500	COIL GRADE LDX2101 2E ASTM A240/480
CSS300G22052E+2000	LDX2101	2E	3.00mm x 2000	COIL GRADE LDX2101 2E ASTM A240/480
G2205 - 2E				
CSS150G22052E+1500	2205	2E	1.50mm x 1500	COIL GRADE 2205 2E ASTM A240/480
CSS200G22052E+1500	2205	2E	2.00mm x 1500	COIL GRADE 2205 2E ASTM A240/480
CSS200G22052E+2000	2205	2E	2.00mm x 2000	COIL GRADE 2205 2E ASTM A240/480
CSS300G22052E+1500	2205	2E	3.00mm x 1500	COIL GRADE 2205 2E ASTM A240/480
CSS300G22052E+2000	2205	2E	3.00mm x 2000	COIL GRADE 2205 2E ASTM A240/480
G430 - No. 4				
CSS070G430N04+1219	430	N04	0.70mm x 1219	COIL G430 N04 ASTM A240/480
CSS090G430N04+1219	430	N04	0.90mm x 1219	COIL G430 N04 ASTM A240/480
CSS120G430N04+1219	430	N04	1.20mm x 1219	COIL G430 N04 ASTM A240/480
G5CR12 - No. 1				
CSS300G5CR12N01+1500	G5CR12	N01	3.00mm x 1500	COIL G5CR12 N01 ASTM A240/480
CSS005G5CR12N01+1500	G5CR12	N01	5.00mm x 1500	COIL G5CR12 N01 ASTM A240/480
CSS005G5CR12N01+2000	G5CR12	N01	5.00mm x 2000	COIL G5CR12 N01 ASTM A240/480
CSS006G5CR12N01+1500	G5CR12	N01	6.00mm x 1500	COIL G5CR12 N01 ASTM A240/480
CSS006G5CR12N01+2000	G5CR12	N01	6.00mm x 2000	COIL G5CR12 N01 ASTM A240/480
G253MA - 2E				
CSS150G253MA2E+1250	G253MA	2E	1.50mm x 1250	COIL GRADE 253MA 2E ASTM A240/480
CSS200G253MA2E+2000	G253MA	2E	2.00mm x 2000	COIL GRADE 253MA 2E ASTM A240/480
CSS300G253MA2E+2000	G253MA	2E	3.00mm x 2000	COIL GRADE 253MA 2E ASTM A240/480
CSS500G253MA2E+2000	G253MA	2E	5.00mm x 2000	COIL GRADE 253MA 2E ASTM A240/480
CSS600G253MA2E+2000	G253MA	2E	6.00mm x 2000	COIL GRADE 253MA 2E ASTM A240/480

Cut-to-length options available.

Laser cutting quality film standard (100 microns)

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

Tread 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)
PCS0045G304+15243048	4.5mm x 1524 x 3048	PLATE CHEQUER G304 HR NO1 - ASTM A793 Pattern B	177.24
PCS006G304+12502500	6mm x 1250 x 2500	PLATE CHEQUER G304 HR NO1 - ASTM A793 Pattern B	159.38
PCS006G304+12506000	6mm x 1250 x 6000	PLATE CHEQUER G304 HR NO1 - ASTM A793 Pattern B	382.51

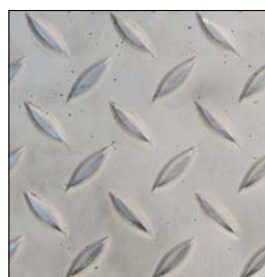
Tear*

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)

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

Creusabro® Advanced Impact and Abrasion Resistant Steels

Unique – Better – Proven

Creusabro steels are genuinely different than classical low-alloyed martensitic abrasion resistant plates.

Fine dispersion of hard Ti, Cr, Mo alloyed carbides, which enhance the resistance to slide abrasion, produce a uniform through-hardened plate and low level of residual stresses

When in service, Creusabro steels strongly improve their wear resistance by a surface hardening effect of about +70HB caused by impact with rocks or pressure by the abrasive particles

As a result, an optimum combination of wear resistance and processability, for the most severe operating conditions, as hardness alone does not guarantee increased wear resistance.

Creusabro steels are designed to provide a cost-effective combination of wear resistance and easy fabrication.

The moderate hardness in the as-delivery condition facilitate smooth and easy processing of complex parts at the workshop, without compromising on the wear resistance in service conditions.

Vulcan introduced Creusabro wear material to the Australian iron ore industry in the Pilbara region over 15 years ago, and since then the usage of Creusabro has significantly expanded Australia wide. Acceptance in many areas, including both fixed and mobile plant applications and a range of industrial applications, is due to the proven and substantial service life improvements achieved in the original in-service tests, and in new applications since, resulting in significant cost saving benefits to plant maintenance budgets.

Vulcan currently offer 3 grades of Creusabro wear plate

- **C4800 (400 HB)**
- **C8000 (500 HB) and**
- **CDual (500 HB, 550 HB)**



Both the C4800 and C8000 grades are ideal where conventional water quenched 400HB and 500HB wear plates are used. Both grades are well suited to impact and have shown up to 50% increase in wear life over standard water quenched and tempered plate.

Creusabro Dual is a new, advanced high performance grade and has been developed for severe impact and high sliding wear conditions, predominately where weld overlay and white iron plates have traditionally been used.

Industries and Applications

Mining

Excavating and Bulk Handling, including bucket liners, wear bars and cutting edges, dump truck tray liners, Crushing and Screening, including grizzly caps, chute liners and impact plates.

Quarries

Bucket wear kits, cutting edges, crusher liners.

Other Industrial Applications and Hot Conditions

Including Power, Iron and Steel, Cement Plants, Demolition and Recycling.

Creusabro® DUAL

High performance impact-abrasion wear resistance steel

Creusabro Dual is a new, advanced, high performance grade of abrasion resistant steel dedicated to severe impact and sliding wear conditions in service. Thanks to its outstanding wear resistance, use can be considered in applications where conventional water quenched steels (500HB, 550HB), hard faced plates, or cast wear parts are traditionally used.

Creusabro Dual advanced properties have been created using an innovative metallurgical concept, based on a unique combination of chemical analysis and heat treatment procedures (oil quenching), which reduces the level of residual stresses encountered with drastic quenching methods such as water.

This confers to Creusabro Dual an outstanding extra wear resistance, a strong resistance in extreme impact and sliding conditions and a very efficient work hardening capability in service.

No other steel offers such high wear and abrasion resistance at this level of hardness (500HB), combined with high resistance to cracking in service.

Metallurgical concept

Abrasion and wear resistance is not exclusively connected to the hardness of the steel in the as delivered condition, but also depend on other properties including crack resistance, work hardening, strength, ductility, softening resistance, etc. It's chemical composition and micro structure also strongly influence its performance.

When entering into service Creusabro Dual takes advantage of a surface hardening effect of about 70 HB, whatever the applied strain level is (impact, pressure...) This combination of properties makes it most effective to withstand both abrasion and heavy impact service.

Titanium carbides

By utilising extremely hard titanium carbides, a strong resistance in severe sliding conditions has been achieved. These carbides can reach a hardness of 3000HV and therefore creates numerous hard deposits in the steel matrix of Creusabro Dual like gravel in concrete.



Standard sizes - (mm)	Thickness (mm)
2500 x 8000 mm	10 mm - 30 mm
2500 x 4000 mm	40 mm - 50 mm

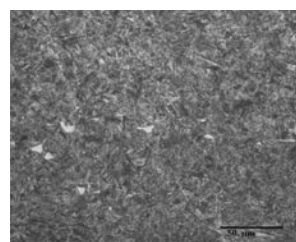
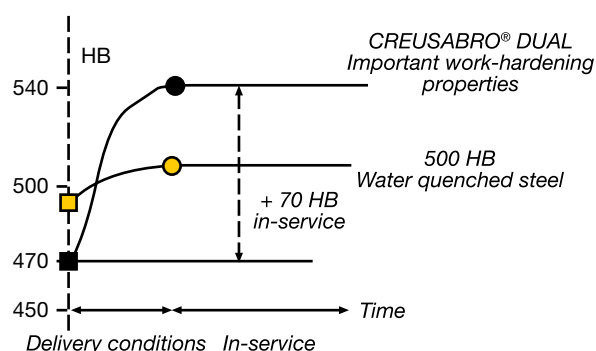
Chemical Analysis (Indicative values weight %)						
C	Mn	Ni	Cr	Mo	S	Ti
≤ 0.40	≤ 1.30	≈ 0.45	≈ 0.70	≤ 0.34	≤ 0.002	≤ 0.60

Mechanical properties (typical values)					
Hardness	YS 0.2	UTS	El.	KCVL-20°C	E
HB	MPa	MPa	%	J/Cm²	GPa
480	1200	1630	10	168	205

Indicative values (as delivered)
 Hardness: 430/520 HB

Physical properties – expansion coefficient ($\times 10^{-6}/^{\circ}\text{C}^{-1}$)				
20/100°C	20/200°C	20/300°C	20/400°C	20/500°C
11.2	12.0	12.5	13.2	13.8

Density at + 20°C: 7.85 kg/dm³



Extremely hard titanium carbides inserted into the steel.

Creusabro Dual will extend service life, whatever service conditions are. This extended service life is especially relevant for extreme applications where severe abrasion conditions are combined with high impact, heat, or moderate corrosion.

Creusabro® 8000

High performance wear resistant steel

Creusabro 8000 is a high performance wear resistant steel, exhibiting a wear resistance 50% higher than that of conventional 500 HB water quenched steel.

Properties of Creusabro 8000 are improved as a result of the combination of an enriched analysis (chromium, molybdenum and titanium) and specific heat treatment procedures. (oil quenching). This confers to Creusabro 8000 an improved high wear resistance and a very good aptitude for processing, far better than other 500HB water quenched steels. Creusabro 8000 offers the best possible optimization of an exceptional wear resistance and very acceptable workability.

Metallurgical concept

Abrasion resistance is not exclusively connected to the hardness of the steel in the as delivered condition. Its components and its structure strongly influence its performance. Chemical balance and manufacturing processes of Creusabro 8000 impart a metallurgical structure to the steel which strongly improves its wear resistance by taking advantage of a surface hardening effect of about 70 HB, whatever the applied strain level is (impact, pressure, etc).

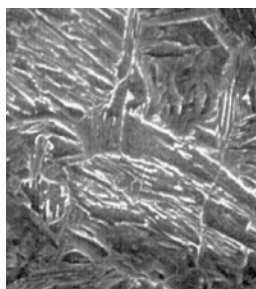
TRIP effect...

Transformation Induced by Plasticity

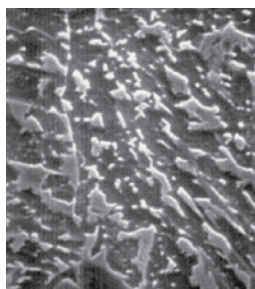
Creusabro 8000 has the capability to work-harden in service by local plastic deformations transforming retained austenite into very hard fresh martensite, which increases wear resistance. The "TRIP" effect also contributes to the delay of chip removal from the steel under the action of abrasive particles.

Fine dispersion of micro carbides

The fine structure of Creusabro 8000 is obtained by a fine dispersion of micro-carbides, just the opposite of the rough acicular lamellar structure typical of 500HB water quenched steels.



500HB water quenched steel



Creusabro 8000



C8000 tray liner kit.

Standard sizes - (mm)	Thickness (mm)
2500 x 8000 mm	5 mm - 40 mm
2500 x 4000 mm	50 mm - 100 mm

Chemical Analysis (Indicative values weight %)					
C	Mn	Ni*	Cr	Mo	S
≤ 0.28	≤ 1.30	≈ 0.04	≤ 0.70	≤ 0.20	≤ 0.002

* for widths over 2500 mm, Ni ≈ 1.25

Mechanical properties (typical values)					
Hardness	YS 0.2	UTS	El.	KCVL-20°C	E
HB	MPa	MPa	%	J/Cm ²	GPa
470	1250	1630	12	55	205

Indicative values (as delivered)

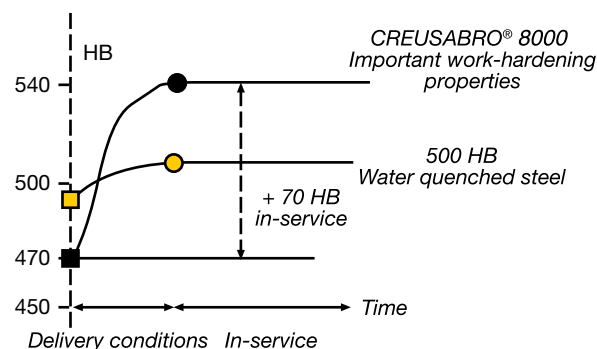
Hardness: 430/500 HB

Toughness: KCVL -20°C ≥ 40 J/cm², -40°C ≥ 30 J/cm²,

Hot mechanical properties (indicative values)					
YS MPa UTS			UTS MPa		
200°C	400°C	500°C	200°C	400°C	500°C
1080	880	520	1650	1250	900

Physical properties – expansion coefficient (x 10 ⁻⁶ .°C ⁻¹)				
20/100°C	20/200°C	20/300°C	20/400°C	20/500°C
11.2	12.0	12.5	13.2	13.8

Density at +20°C: 7.85 kg/dm³



Creusabro® 4800

High performance wear resistant steel

Creusabro 4800 is a high performance wear resistant steel, exhibiting a wear resistance 50% higher than that of conventional 400 HB water quenched steel.

Properties of Creusabro 4800 are improved as a result of the combination of an enriched analysis (chromium, molybdenum and titanium) and specific heat treatment procedures. (oil quenching). This confers to Creusabro 4800 an improved high wear resistance and a very good aptitude for processing, far better than other 400HB water quenched steels. Creusabro 4800 offers the best possible optimization of an exceptional wear resistance and very acceptable workability.

Metallurgical concept

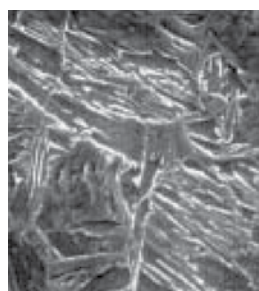
Abrasion resistance is not exclusively connected to the hardness of the steel in the as delivered condition. Its components and its structure strongly influence its performance. Chemical balance and manufacturing processes of Creusabro 4800 impart a metallurgical structure to the steel which strongly improves its wear resistance by taking advantage of a surface hardening effect of about 70 HB, whatever the applied strain level is (impact, pressure...).

"TRIP effect": Transformation Induced by Plasticity

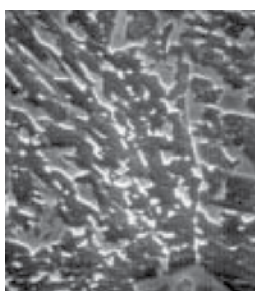
Creusabro 4800 has the capability to work-harden in service by local plastic deformations transforming retained austenite into very hard fresh martensite, which increases wear resistance. The "TRIP" effect also contributes to the delay of chip removal from the steel under the action of abrasive particles.

Fine dispersion of micro carbides

The fine structure of Creusabro 4800 is obtained by a fine dispersion of micro-carbides, just the opposite of the rough acicular lamellar structure typical of 400HB water quenched steels.



400HB water quenched steel



Creusabro 4800



C4800 bucket assembly.

Standard sizes - (mm)	Thickness (mm)
2500 x 8000 mm	5 mm - 40 mm
2500 x 4000 mm	50 mm - 100 mm

Chemical Analysis (Indicative values weight %)						
C	Mn	Ni	Cr	Mo	S	Ti
≤ 0.20	≤ 1.60	≈ 0.20	≤ 1.90	≤ 0.40	≤ 0.005	≤ 0.20

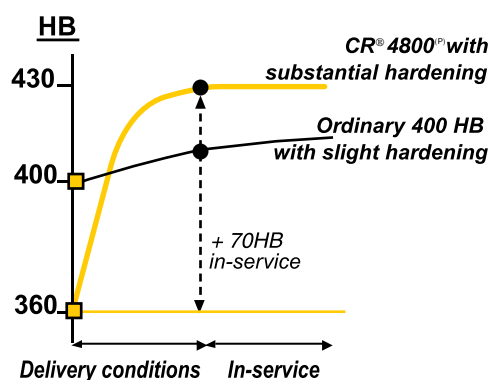
Mechanical properties (typical values)					
Hardness	YS 0.2	UTS	El.	KCVL-20°C	E
HB	MPa	MPa	%	J/Cm²	GPa
370	900	1200	12	45	205

Indicative values (as delivered)
 Hardness: 340/400 HB
 Toughness: KCVL -20°C ≥ 30 J/cm²

Hot mechanical properties (indicative values)					
YS MPa UTS			UTS MPa		
200°C	400°C	500°C	200°C	400°C	500°C
940	920	820	1220	1120	900

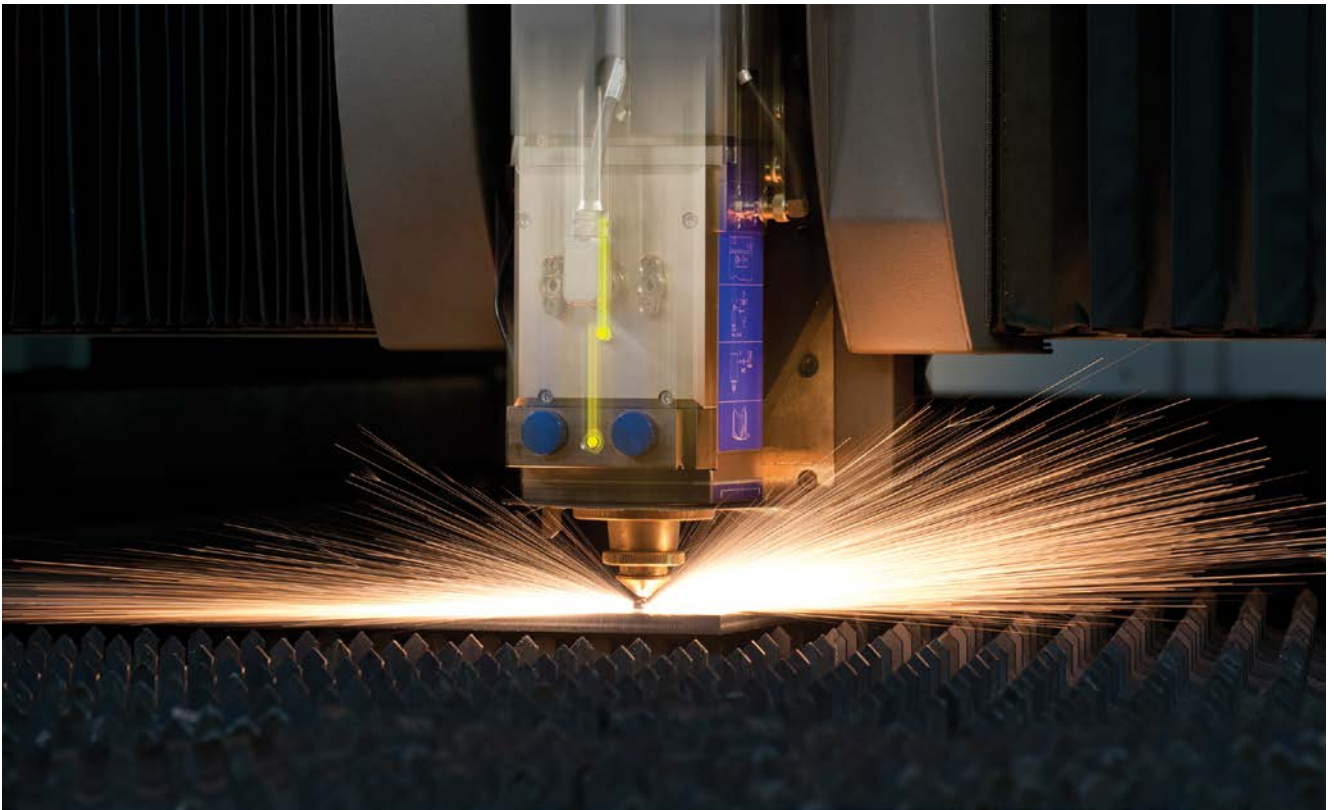
Physical properties – expansion coefficient (x 10 ⁻⁶ .°C ⁻¹)				
20/100°C	20/200°C	20/300°C	20/400°C	20/500°C
12.4	13.1	13.9	14.4	14.7

Density at + 20°C: 7.85 kg/dm³



Profiling Service

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



Options include

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

We can accommodate virtually any configuration specified.

Components can also be supplied PE coated for protection.

With dedicated profiling teams, there is no job too small or large for us to handle.

Benefits for you

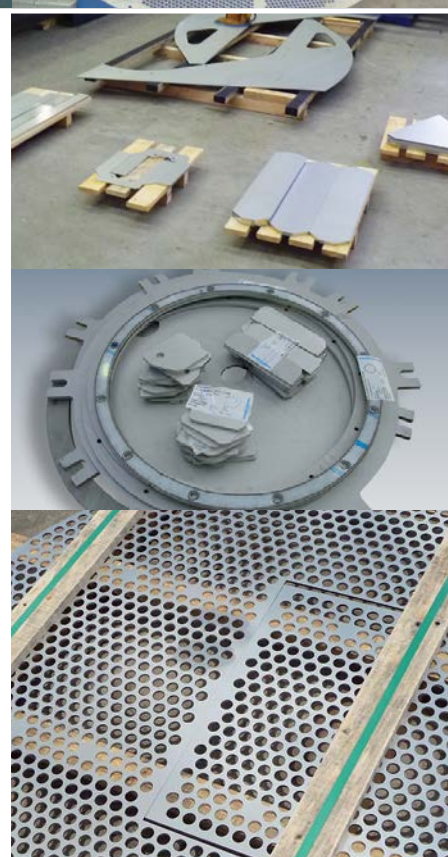
- Workshops are 100% dedicated to stainless steel so less potential for contamination issues
- Very diverse range of stainless steel grades and plate sizes to meet a wide variety of applications (standard, high temperature, duplex and special purpose grades)
- Cutting options for stainless plate and sheet from 0.55 mm up to 100 mm
- 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 Fluorescence Metal Analyser confirms alloy composition
- No drawing charges for standard components (rectangles, disks, flanges)
- DXF, DWG & AutoCAD drawing formats all accepted

Laser Cutting



Fast, accurate precision profiling of simple or complex stainless steel components

- Large bed capacities – 4000 x 2000 mm and 9500 x 2000 mm
- Robotic sheet handler
- High accuracy precision cutting (± 0.1 mm)
- Thicknesses up to 25 mm stainless steel
- Complicated shapes and configurations cut easily
- State-of-the-art machines installed in Sydney, Brisbane and Perth
- Exceptional speeds and job turnaround
- Ideal for any shape, hole or slot
- Finished parts with smooth edges
- No. 4 or 2B components can be supplied polyfilmed for protection
- Standard sheet and plate tolerances according to ASTM A480-10 (Note: flatness tolerances quoted by this standard refer to the feed material – NOT the laser cut product)



New software enables rapid, accurate and comprehensive quotation for simple or complicated processed parts

The fast, optimized quote system is a proven, integral part of Vulcan's commitment to providing modern, innovative solutions for stainless steel profiling. The system is consistent and accurate, producing the greatest possible yield from material, and parts are nested to provide a 'best cost' quotation at all times.

Grades

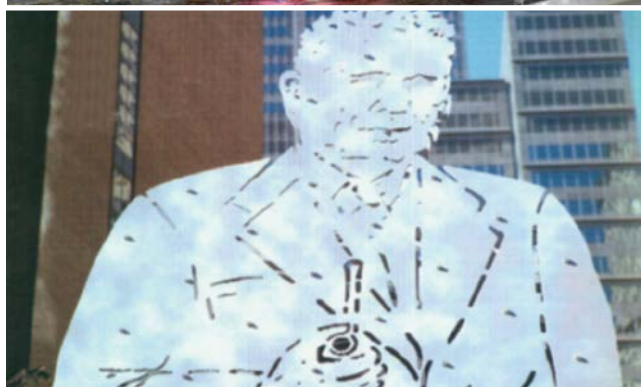
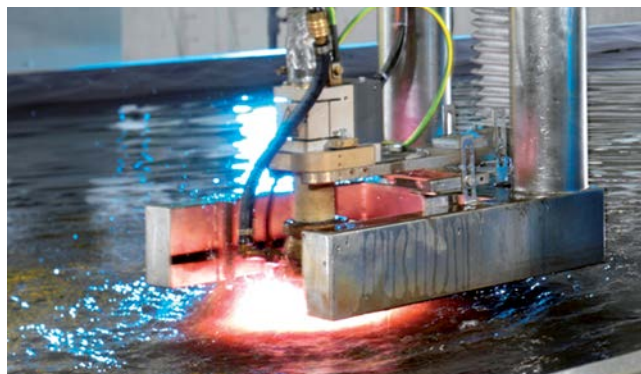
Austenitic	304/L, 316/L, 321, 2RK65
Duplex	LDX 2101, SAF 2304, SAF 2205, SAF 2507
High temp.	253MA
Special purpose	5CR12, CREUSABRO wearplate
All other stainless / high nickel grades capable	

Laser hole cutting capabilities

Thickness mm	Smallest hole $\varnothing$ mm
25	20
20	16
16	13
12	10
10	8
8	6
6	5
5	5
4	5
3	5
2	5

Plasma Cutting - sheet and plate

- Vulcan can process large dimensional plates from stock coil
- Large profiles can be cut in one piece
- DXF files can be supplied by CD or via email
- Standard sheet and plate tolerances according to ASTM A480-10
(Note: flatness tolerances quoted by this standard refer to the feed material – NOT the plasma cut product)
- Vulcan stocks a wide variety of sizes and grades in thicknesses from 3 - 100 mm
- Material can be nested for the most economical cut sheet and plate
- Large bed capacity to cut plates up to 3,000 mm wide x 12,000 mm long
- Underwater cutting option for less heat distortion
- Plasma bevelling enables us to cut your parts to size and bevel the edges in one step



Minimum hole size plasma cut

A) Cut quality suitable to machine to finished size

Thickness mm	Minimum hole Ø mm
< 10	20
> 10 < 19	50
> 19 < 40	70
> 40 < 100	150

Not suitable for cut sizes

B) Standard cut size quality

Thickness mm	Minimum hole Ø mm
< 10	30
> 10 < 19	70
> 19 < 40	100
> 40 < 100	200

Standard plasma production cut tolerance

Thickness mm	Standard outside dimensions		Standard inside dimensions	
	< 1500 mm	> 1500 mm	< 1500 mm	> 1500 mm
	Tolerance mm * T.O.C.		Tolerance mm * T.O.C.	
3 – 20	-1 / +2	-1 / +4	-2 / +1	-4 / +1
22 – 40	-1 / +3	-1 / +4	-3 / +1	-4 / +1
50 – 100	-1 / +3	-1 / +5	-3 / +1	-5 / +1

* T.O.C. = top of cut



Laser and Plasma Cutting - sheet and plate

Dedicated stainless steel processing to ISO 9002

Laser cutting

- 0.45 - 25 mm

Plasma arc cutting

- 3 - 100 mm

CAD/CAM operation and support programme

- Computer verification of dimensions
- Economic nesting of shapes
- Programme storage and thus consistent duplication
- Shape development assistance (cones etc.)

CAD/CAM shape development

Fast Cone

Simple and multi straked cone development.

Fast Cone Plus

Simple and multi straked cone development with plate optimization.

Involute Gear

Involute gears (internal). Full and partial gears.

R and P

Rack and pinion full and partial development.

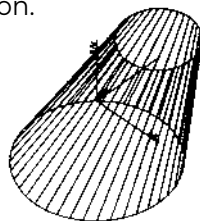
Sprocket

Standard chain sprocket development.

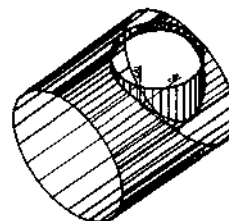
Camber

Pre cambered beam generation.

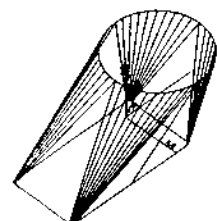
Economic nesting of shapes



OBCONE
Oblique cone development.



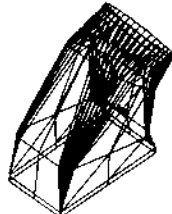
P BRANCH
Pipe branch template generation.



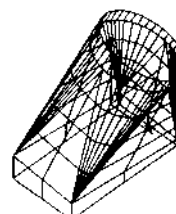
RORT
Rectangle to round development.



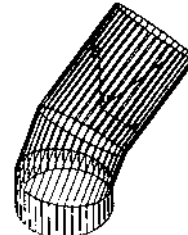
ELBOW
Tapered lobster back development.



BEND
Transforming rectangular segmental bends.



RECTIRCLE
Multi-shape transition development.



LOBSTER
Lobster back development.

Cut-to-length Line

To maintain the highest quality standards, the cut-to-length line is dedicated to stainless steel only.

- Coil size: max. 10 mm thick x 2,000 mm wide
min. 350 mm wide
- Coil weight: 20 tonne max. or 1,750 mm O.D. max.
- Auto stack length 7,000 mm max.
- Manual stack length 15,000 mm plus
- Tight control on length
- Unique control on diagonals
- Quality – flat sheets / plates
- Paper interleaving, plastic coating inline and inline print

Cut-to-length line capability

Standard production tolerances acc.
 ASTM - A480 / A480M - 10

Length

Thickness mm	Length mm			
	<3000	>3000<6000	>6000<9000	>9000<12000
<3	+1/+5	+1/+7		
>3<5	+1/+9	+2/+8	+5/+15	+5/+25
	<3600	>3600<6000	>6000<9000	>9000<12000
>5<10	+1/+5	+2/+8	+5/+15	+5/+25

Diagonals

Width mm	Typical maximum variation values mm
900	4
1200	5
1500	6
2000	10

Coil condition to a large degree determines diagonal variation if any. Action taken to improve coil shape may result in increasing the diagonal variation.

Flatness (a) (b)

Thickness mm	Width mm		
	<900	>900<1500	>1500
<1.6	10	15	
>1.6<5	10	10	15
>5<10	15	15	15

(a) maximum deviation from a horizontal flat surface.

(b) refer to ASTM A480 / 480M - 10 for waviness tolerances



Surface Finishes

For plate, sheet, coil and strip

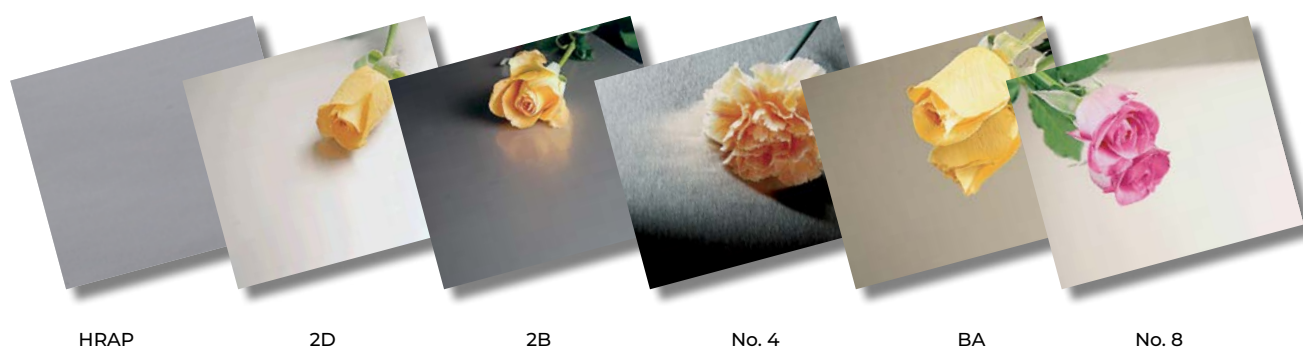
When ordering, it is important to specify surface finish to ensure it is appropriate for the application, even when appearance is not a factor.

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.		Typical surface Ra (micrometres µm)*	Production route / remarks
ASTM A480	EN 10088-2		
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 "miliness" 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.

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Welded Pipe

Grades: 304L, 316L

Schedule: 10S, 40S

Unit of Supply: 6.0 – 6.1 metre lengths

Certification: Acc. to ASTM A312M

Dimensions: Acc. to ASTM B36.19M-2004



HPSW

Product Code	Grade	Schedule	Product Size (mm)	Description	kg/m
G304L 10S					
HPSW015NBS10G304L+0610	G304L	10S	015NB SCH10 (1/2")	WELDED PIPE A312 G304L	1.00
HPSW020NBS10G304L+0610	G304L	10S	020NB SCH10 (3/4")	WELDED PIPE A312 G304L	1.30
HPSW025NBS10G304L+0610	G304L	10S	025NB SCH10 (1")	WELDED PIPE A312 G304L	2.09
HPSW032NBS10G304L+0610	G304L	10S	032NB SCH10 (1-1/4")	WELDED PIPE A312 G304L	2.73
HPSW040NBS10G304L+0610	G304L	10S	040NB SCH10 (1-1/2")	WELDED PIPE A312 G304L	3.15
HPSW050NBS10G304L+0610	G304L	10S	050NB SCH10 (2")	WELDED PIPE A312 G304L	3.98
HPSW065NBS10G304L+0610	G304L	10S	065NB SCH10 (2-1/2")	WELDED PIPE A312 G304L	5.33
HPSW080NBS10G304L+0610	G304L	10S	080NB SCH10 (3")	WELDED PIPE A312 G304L	6.54
HPSW090NBS10G304L+0610	G304L	10S	090NB SCH10 (3-1/2")	WELDED PIPE A312 G304L	7.40
HPSW100NBS10G304L+0610	G304L	10S	100NB SCH10 (4")	WELDED PIPE A312 G304L	8.47
HPSW125NBS10G304L+0610	G304L	10S	125NB SCH10 (5")	WELDED PIPE A312 G304L	11.56
HPSW150NBS10G304L+0610	G304L	10S	150NB SCH10 (6")	WELDED PIPE A312 G304L	14.00
HPSW200NBS10G304L+0610	G304L	10S	200NB SCH10 (8")	WELDED PIPE A312 G304L	20.22
HPSW250NBS10G304L+0610	G304L	10S	250NB SCH10 (10")	WELDED PIPE A312 G304L	28.12
HPSW300NBS10G304L+0610	G304L	10S	300NB SCH10 (12")	WELDED PIPE A312 G304L	36.50
HPSW350NBS10G304L+0610	G304L	10S	350NB SCH10 (14")	WELDED PIPE A312 G304L	42.00
HPSW400NBS10G304L+0610	G304L	10S	400NB SCH10 (16")	WELDED PIPE A312 G304L	48.10
HPSW500NBS10G304L+0610	G304L	10S	500NB SCH10 (18")	WELDED PIPE A312 G304L	78.56
HPSW600NBS10G304L+0610	G304L	10S	600NB SCH10 (16")	WELDED PIPE A312 G304L	94.53

G316L 10S

HPSW008NBS10G316L+0610	G316L	10S	008NB SCH10 (1/4")	WELDED PIPE A312 G316L	0.50
HPSW010NBS10G316L+0610	G316L	10S	010NB SCH10 (3/8")	WELDED PIPE A312 G316L	0.64
HPSW015NBS10G316L+0610	G316L	10S	015NB SCH10 (1/2")	WELDED PIPE A312 G316L	1.01
HPSW020NBS10G316L+0610	G316L	10S	020NB SCH10 (3/4")	WELDED PIPE A312 G316L	1.28
HPSW025NBS10G316L+0610	G316L	10S	025NB SCH10 (1")	WELDED PIPE A312 G316L	2.12
HPSW032NBS10G316L+0610	G316L	10S	032NB SCH10 (1-1/4")	WELDED PIPE A312 G316L	2.73
HPSW040NBS10G316L+0610	G316L	10S	040NB SCH10 (1-1/2")	WELDED PIPE A312 G316L	3.15
HPSW050NBS10G316L+0610	G316L	10S	050NB SCH10 (2")	WELDED PIPE A312 G316L	3.99
HPSW065NBS10G316L+0610	G316L	10S	065NB SCH10 (2-1/2")	WELDED PIPE A312 G316L	5.25
HPSW080NBS10G316L+0610	G316L	10S	080NB SCH10 (3")	WELDED PIPE A312 G316L	6.54
HPSW090NBS10G316L+0610	G316L	10S	090NB SCH10 (3-1/2")	WELDED PIPE A312 G316L	7.40
HPSW100NBS10G316L+0610	G316L	10S	100NB SCH10 (4")	WELDED PIPE A312 G316L	8.47
HPSW125NBS10G316L+0610	G316L	10S	125NB SCH10 (5")	WELDED PIPE A312 G316L	11.56
HPSW150NBS10G316L+0610	G316L	10S	150NB SCH10 (6")	WELDED PIPE A312 G316L	14.00
HPSW200NBS10G316L+0610	G316L	10S	200NB SCH10 (8")	WELDED PIPE A312 G316L	20.22
HPSW250NBS10G316L+0610	G316L	10S	250NB SCH10 (10")	WELDED PIPE A312 G316L	28.12
HPSW300NBS10G316L+0610	G316L	10S	300NB SCH10 (12")	WELDED PIPE A312 G316L	36.50
HPSW350NBS10G316L+0610	G316L	10S	350NB SCH10 (14")	WELDED PIPE A312 G316L	42.00
HPSW400NBS10G316L+0610	G316L	10S	400NB SCH10 (16")	WELDED PIPE A312 G316L	48.10
HPSW450NBS10G316L+0610	G316L	10S	450NB SCH10 (18")	WELDED PIPE A312 G316L	54.20
HPSW500NBS10G316L+0610	G316L	10S	500NB SCH10 (20")	WELDED PIPE A312 G316L	69.70
HPSW600NBS10G316L+0610	G316L	10S	600NB SCH10 (24")	WELDED PIPE A312 G316L	95.90

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

Welded Pipe

Grades: 304L, 316L

Schedule: 10S, 40S

Unit of Supply: 6.0 – 6.1 metre lengths

Certification: Acc. to ASTM A312M

Dimensions: Acc. to ASTM B36.19M-2004


HPSW

Product Code	Grade	Schedule	Product Size (mm)	Description	kg/m
G304L 40S					
HPSW008NBS40G304L+0610	G304L	40S	008NB SCH40 (1/4")	WELDED PIPE A312 G304L	0.63
HPSW015NBS40G304L+0610	G304L	40S	015NB SCH40 (1/2")	WELDED PIPE A312 G304L	1.27
HPSW020NBS40G304L+0610	G304L	40S	020NB SCH40 (3/4")	WELDED PIPE A312 G304L	1.71
HPSW025NBS40G304L+0610	G304L	40S	025NB SCH40 (1")	WELDED PIPE A312 G304L	2.50
HPSW032NBS40G304L+0610	G304L	40S	032NB SCH40 (1-1/4")	WELDED PIPE A312 G304L	3.43
HPSW040NBS40G304L+0610	G304L	40S	040NB SCH40 (1-1/2")	WELDED PIPE A312 G304L	3.15
HPSW050NBS40G304L+0610	G304L	40S	050NB SCH40 (2")	WELDED PIPE A312 G304L	5.51
HPSW065NBS40G304L+0610	G304L	40S	065NB SCH40 (2-1/2")	WELDED PIPE A312 G304L	8.74
HPSW080NBS40G304L+0610	G304L	40S	080NB SCH40 (3")	WELDED PIPE A312 G304L	11.43
HPSW090NBS40G304L+0610	G304L	40S	090NB SCH40 (3-1/2")	WELDED PIPE A312 G304L	13.74
HPSW100NBS40G304L+0610	G304L	40S	100NB SCH40 (4")	WELDED PIPE A312 G304L	16.28
HPSW125NBS40G304L+0610	G304L	40S	125NB SCH40 (5")	WELDED PIPE A312 G304L	22.04
HPSW150NBS40G304L+0610	G304L	40S	150NB SCH40 (6")	WELDED PIPE A312 G304L	28.62
HPSW200NBS40G304L+0610	G304L	40S	200NB SCH40 (8")	WELDED PIPE A312 G304L	43.08
HPSW250NBS40G304L+0610	G304L	40S	250NB SCH40 (10")	WELDED PIPE A312 G304L	61.05
HPSW300NBS40G304L+0610	G304L	40S	300NB SCH40 (12")	WELDED PIPE A312 G304L	74.90
G316L 40S					
HPSW008NBS40G316L+0610	G316L	40S	008NB SCH40 (1/4")	WELDED PIPE A312 G316L	0.64
HPSW010NBS40G316L+0610	G316L	40S	010NB SCH40 (3/8")	WELDED PIPE A312 G316L	0.86
HPSW015NBS40G316L+0610	G316L	40S	015NB SCH40 (1/2")	WELDED PIPE A312 G316L	1.29
HPSW020NBS40G316L+0610	G316L	40S	020NB SCH40 (3/4")	WELDED PIPE A312 G316L	1.71
HPSW025NBS40G316L+0610	G316L	40S	025NB SCH40 (1")	WELDED PIPE A312 G316L	2.53
HPSW032NBS40G316L+0610	G316L	40S	032NB SCH40 (1-1/4")	WELDED PIPE A312 G316L	3.43
HPSW040NBS40G316L+0610	G316L	40S	040NB SCH40 (1-1/2")	WELDED PIPE A312 G316L	4.10
HPSW050NBS40G316L+0610	G316L	40S	050NB SCH40 (2")	WELDED PIPE A312 G316L	5.51
HPSW065NBS40G316L+0610	G316L	40S	065NB SCH40 (2-1/2")	WELDED PIPE A312 G316L	8.74
HPSW080NBS40G316L+0610	G316L	40S	080NB SCH40 (3")	WELDED PIPE A312 G316L	11.43
HPSW090NBS40G316L+0610	G316L	40S	090NB SCH40 (3-1/2")	WELDED PIPE A312 G316L	13.74
HPSW100NBS40G316L+0610	G316L	40S	100NB SCH40 (4")	WELDED PIPE A312 G316L	16.28
HPSW125NBS40G316L+0610	G316L	40S	125NB SCH40 (5")	WELDED PIPE A312 G316L	22.04
HPSW150NBS40G316L+0610	G316L	40S	150NB SCH40 (6")	WELDED PIPE A312 G316L	28.62
HPSW200NBS40G316L+0610	G316L	40S	200NB SCH40 (8")	WELDED PIPE A312 G316L	43.08
HPSW250NBS40G316L+0610	G316L	40S	250NB SCH40 (10")	WELDED PIPE A312 G316L	61.05
HPSW300NBS40G316L+0610	G316L	40S	300NB SCH40 (12")	WELDED PIPE A312 G316L	74.90

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

Seamless Pipe

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

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



HPSS

Product Code	Grade	Schedule	Product Size (mm)	Description	kg/m
G316L 10S					
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	3.90
HPSS080NBS10G316L+0100	G316L	10S	080NB SCH10 (3")	SEAMLESS PIPE A312 G316L	6.56
HPSS100NBS10G316L+0100	G316L	10S	100NB SCH10 (4")	SEAMLESS PIPE A312 G316L	3.90
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
HPSS200NBS40G316L+0100	G316L	40S	200NB SCH40 (8")	SEAMLESS PIPE A312 G316L	43.14
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
G304L 80S					
HPSS032NBS80G304L+0100	G304L	80S	032NB SCH80 (1-1/4")	SEAMLESS PIPE A312 G304L	4.47
HPSS040NBS80G304L+0100	G304L	80S	040NB SCH80 (1-1/2")	SEAMLESS PIPE A312 G304L	5.41
HPSS050NBS80G304L+0100	G304L	80S	050NB SCH80 (2")	SEAMLESS PIPE A312 G304L	7.48

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

Seamless Pipe

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

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

Dimensions: Acc. to ASTM B36.19M-2004



HPSS

Product Code	Grade	Schedule	Product Size (mm)	Description	kg/m
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

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

Pipe Dimensions

Nominal Pipe Size NB (mm) NPS (inch)		Outside Diameter (mm)	Nominal wall thickness (mm)																
			ASTM B36.10 ASTM B36.19																
			Sch 5S	Sch 10S	Sch 10	Sch 20	Sch 30	Sch 40S	STD	Sch 40	Sch 60	Sch 80S	XS	Sch 80	Sch 100	Sch 120	Sch 140	Sch 160	XXS
6	1/8	10.29						1.7											
8	1/4	13.72		1.65				2.24											
10	3/8	17.15		1.65				2.31											
15	1/2	21.34	1.65	2.11				2.77	2.77	2.77		3.73	3.73	3.73				4.78	7.47
20	3/4	26.67	1.65	2.11				2.87	2.87	2.87		3.91	3.91	3.91				5.56	7.82
25	1	33.40	1.65	2.77				3.38	3.38	3.38		4.55	4.55	4.55				6.35	9.09
32	1 1/4	42.16	1.65	2.77				3.56	3.56	3.56		4.85	4.85	4.85				6.35	9.70
40	1 1/2	48.26	1.65	2.77				3.68	3.68	3.68		5.08	5.08	5.08				7.14	10.15
50	2	60.32	1.65	2.77				3.91	3.91	3.91		5.54	5.54	5.54				8.74	11.07
65	2 1/2	73.03	2.11	3.05				5.16	5.16	5.16		7.01	7.01	7.01				9.52	14.02
80	3	88.90	2.11	3.05				5.49	5.49	5.49		7.62	7.62	7.62				11.13	15.24
90	3 1/2	101.60	2.11	3.05				5.74	5.74	5.74		8.08	8.08	8.08					
100	4	114.30	2.11	3.05				6.02	6.02	6.02		8.56	8.56	8.56		11.13		13.49	17.12
125	5	141.30	2.77	3.40				6.55	6.55	6.55		9.53	9.53	9.53		12.70		15.88	19.05
150	6	168.28	2.77	3.40				7.11	7.11	7.11		10.97	10.97	10.97		14.27		18.26	21.95
200	8	219.08	2.77	3.76		6.35	7.04	8.18	8.18	8.18	10.31	12.70	12.70	12.70	15.09	18.26	20.63	23.01	22.23
250	10	273.05	3.40	4.19		6.35	7.80	9.27	9.27	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
300	12	323.85	3.96	4.57		6.35	8.38	9.53	9.53	10.31	14.28	12.70	12.70	17.48	21.44	25.40	28.58	33.32	25.40
350	14	355.60	3.96	4.78	6.35	7.92	9.52		9.53	11.13	15.09		12.70	19.05	23.83	27.79	31.75	35.71	
400	16	406.40	4.19	4.78	6.35	7.92	9.52		9.53	12.70	16.66		12.70	21.44	26.19	30.96	36.53	40.49	
450	18	457.20	4.19	4.78	6.35	7.92	11.12		9.53	14.28	19.05		12.70	23.83	29.36	34.93	39.68	45.24	
500	20	508.00	4.78	5.54	6.35	9.53	12.70		9.53	15.09	20.62		12.70	26.19	32.54	38.10	44.45	50.01	
600	24	609.60	5.54	6.35	6.35	9.53	14.27		9.53	17.48	24.61		12.70	30.96	38.89	46.02	52.37	59.54	
700	28	711.20			7.92	12.70	15.88		9.53				12.70						
750	30	762.80	6.35		7.92	12.70	15.88		9.53				12.70						
800	32	812.80			7.92	12.70	15.88		9.53	17.48			12.70						
900	36	914.40			7.92	12.70	15.88		9.53	19.05			12.70						

Stock range: Stainless steel fittings, flanges and welded pipe 1/4" – 24", Seamless pipe 1/4" – 12".
 Dimensions are nominal only – tolerances apply to both OD and WT – refer to the standards for details.

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Butt Weld Fittings

Standards

Standard Grades according to ASTM A815 / 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.

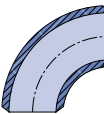
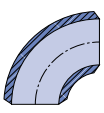
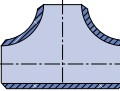
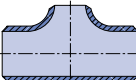
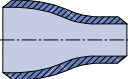
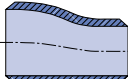
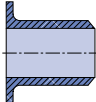
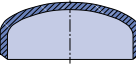
Special Grades according to ASTM A815 in grades SAF2205 / UNS S31803, SAF2507 / UNS S32750, ANSI B16.9, annealed and quenched, bevelled ends to ANSI B16.25, hardness to NACE MR0175 / ISO 15156, IC to ASTM A262E (G48A for SAF 2507) and PMI tested. With certificate to EN 10204/3.1.

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 - Welded

Long Radius Elbows 45°

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 SCH10 (3/4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.03
FPWE025NBS1045LG316L	G316L	10S	025NB SCH10 (1")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.09
FPWE032NBS1045LG316L	G316L	10S	032NB SCH10 (1-1/4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.11
FPWE050NBS1045LG316L	G316L	10S	050NB SCH10 (2")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.25
FPWE080NBS1045LG316L	G316L	10S	080NB SCH10 (3")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.63
FPWE100NBS1045LG316L	G316L	10S	100NB SCH10 (4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	1.08
FPWE125NBS1045LG316L	G316L	10S	125NB SCH10 (5")	ELBOW 45DEG LONG RADIUS G316L A403/A815	1.81
FPWE150NBS1045LG316L	G316L	10S	150NB SCH10 (6")	ELBOW 45DEG LONG RADIUS G316L A403/A815	2.72
FPWE200NBS1045LG316L	G316L	10S	200NB SCH10 (8")	ELBOW 45DEG LONG RADIUS G316L A403/A815	5.33
FPWE250NBS1045LG316L	G316L	10S	250NB SCH10 (10")	ELBOW 45DEG LONG RADIUS G316L A403/A815	9.75
FPWE300NBS1045LG316L	G316L	10S	300NB SCH10 (12")	ELBOW 45DEG LONG RADIUS G316L A403/A815	13.61
FPWE350NBS1045LG316L	G316L	10S	350NB SCH10 (14")	ELBOW 45DEG LONG RADIUS G316L A403/A815	18.14
FPWE400NBS1045LG316L	G316L	10S	400NB SCH10 (16")	ELBOW 45DEG LONG RADIUS G316L A403/A815	23.81
FPWE020NBS4045LG316L	G316L	40S	020NB SCH40 (3/4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.04
FPWE025NBS4045LG316L	G316L	40S	025NB SCH40 (1")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.11
FPWE032NBS4045LG316L	G316L	40S	032NB SCH40 (1-1/4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.17
FPWE040NBS4045LG316L	G316L	40S	040NB SCH40 (1-1/2")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.23
FPWE050NBS4045LG316L	G316L	40S	050NB SCH40 (2")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.40
FPWE065NBS4045LG316L	G316L	40S	065NB SCH40 (2-1/2")	ELBOW 45DEG LONG RADIUS G316L A403/A815	0.77
FPWE080NBS4045LG316L	G316L	40S	080NB SCH40 (3")	ELBOW 45DEG LONG RADIUS G316L A403/A815	1.08
FPWE100NBS4045LG316L	G316L	40S	100NB SCH40 (4")	ELBOW 45DEG LONG RADIUS G316L A403/A815	2.09
FPWE150NBS4045LG316L	G316L	40S	150NB SCH40 (6")	ELBOW 45DEG LONG RADIUS G316L A403/A815	5.44

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

Butt Weld Fittings - Welded

Long Radius Elbows 90°

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 SCH10 (1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.06
FPWE020NBS1090LG304L	G304L	10S	020NB SCH10 (3/4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.07
FPWE025NBS1090LG304L	G304L	10S	025NB SCH10 (1")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.14
FPWE032NBS1090LG304L	G304L	10S	032NB SCH10 (1-1/4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.23
FPWE040NBS1090LG304L	G304L	10S	040NB SCH10 (1-1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.31
FPWE050NBS1090LG304L	G304L	10S	050NB SCH10 (2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.54
FPWE065NBS1090LG304L	G304L	10S	065NB SCH10 (2-1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.85
FPWE080NBS1090LG304L	G304L	10S	080NB SCH10 (3")	ELBOW 90DEG LONG RADIUS G304L A403/A815	1.22
FPWE100NBS1090LG304L	G304L	10S	100NB SCH10 (4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	2.15
FPWE150NBS1090LG304L	G304L	10S	150NB SCH10 (6")	ELBOW 90DEG LONG RADIUS G304L A403/A815	4.90
FPWE200NBS1090LG304L	G304L	10S	200NB SCH10 (8")	ELBOW 90DEG LONG RADIUS G304L A403/A815	10.66
FPWE250NBS1090LG304L	G304L	10S	250NB SCH10 (10")	ELBOW 90DEG LONG RADIUS G304L A403/A815	19.50
FPWE300NBS1090LG304L	G304L	10S	300NB SCH10 (12")	ELBOW 90DEG LONG RADIUS G304L A403/A815	27.22
FPWE400NBS1090LG304L	G304L	10S	400NB SCH10 (16")	ELBOW 90DEG LONG RADIUS G304L A403/A815	47.63
FPWE450NBS1090LG304L	G304L	10S	450NB SCH10 (18")	ELBOW 90BEG LONG RADIUS G304L A403/A815	59.87
FPWE500NBS1090LG304L	G304L	10S	500NB SCH10 (20")	ELBOW 90BEG LONG RADIUS G304L A403/A815	92.89
FPWE600NBS1090LG304L	G304L	10S	600NB SCH10 (24")	ELBOW 90BEG LONG RADIUS G304L A403/A815	133.76
FPWE015NBS4090LG304L	G304L	40S	015NB SCH40 (1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.08
FPWE020NBS4090LG304L	G304L	40S	020NB SCH40 (3/4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.09
FPWE025NBS4090LG304L	G304L	40S	025NB SCH40 (1")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.15
FPWE032NBS4090LG304L	G304L	40S	032NB SCH40 (1-1/4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.25
FPWE040NBS4090LG304L	G304L	40S	040NB SCH40 (1-1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.40
FPWE050NBS4090LG304L	G304L	40S	050NB SCH40 (2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	0.71
FPWE065NBS4090LG304L	G304L	40S	065NB SCH40 (2-1/2")	ELBOW 90DEG LONG RADIUS G304L A403/A815	1.36
FPWE080NBS4090LG304L	G304L	40S	080NB SCH40 (3")	ELBOW 90DEG LONG RADIUS G304L A403/A815	2.18
FPWE100NBS4090LG304L	G304L	40S	100NB SCH40 (4")	ELBOW 90DEG LONG RADIUS G304L A403/A815	4.17
FPWE150NBS4090LG304L	G304L	40S	150NB SCH40 (6")	ELBOW 90DEG LONG RADIUS G304L A403/A815	10.89
FPWE200NBS4090LG304L	G304L	40S	200NB SCH40 (8")	ELBOW 90DEG LONG RADIUS G304L A403/A815	21.55
FPWE250NBS4090LG304L	G304L	40S	250NB SCH40 (10")	ELBOW 90BEG LONG RADIUS G304L A403/A815	35.40
FPWE300NBS4090LG304L	G304L	40S	300NB SCH40 (12")	ELBOW 90BEG LONG RADIUS G304L A403/A815	59.42

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

Butt Weld Fittings - Welded

Long Radius Elbows 90°

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)
G316L					
FPWE015NBS1090LG316L	G316L	10S	015NB SCH10 (1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.06
FPWE020NBS1090LG316L	G316L	10S	020NB SCH10 (3/4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.07
FPWE025NBS1090LG316L	G316L	10S	025NB SCH10 (1")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.14
FPWE032NBS1090LG316L	G316L	10S	032NB SCH10 (1-1/4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.23
FPWE040NBS1090LG316L	G316L	10S	040NB SCH10 (1-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.31
FPWE050NBS1090LG316L	G316L	10S	050NB SCH10 (2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.51
FPWE065NBS1090LG316L	G316L	10S	065NB SCH10 (2-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.85
FPWE080NBS1090LG316L	G316L	10S	080NB SCH10 (3")	ELBOW 90DEG LONG RADIUS G316L A403/A815	1.22
FPWE090NBS1090LG316L	G316L	10S	090NB SCH10 (3-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	1.70
FPWE100NBS1090LG316L	G316L	10S	100NB SCH10 (4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	2.15
FPWE125NBS1090LG316L	G316L	10S	125NB SCH10 (5")	ELBOW 90DEG LONG RADIUS G316L A403/A815	3.63
FPWE150NBS1090LG316L	G316L	10S	150NB SCH10 (6")	ELBOW 90DEG LONG RADIUS G316L A403/A815	4.90
FPWE200NBS1090LG316L	G316L	10S	200NB SCH10 (8")	ELBOW 90DEG LONG RADIUS G316L A403/A815	10.66
FPWE250NBS1090LG316L	G316L	10S	250NB SCH10 (10")	ELBOW 90DEG LONG RADIUS G316L A403/A815	19.50
FPWE300NBS1090LG316L	G316L	10S	300NB SCH10 (12")	ELBOW 90DEG LONG RADIUS G316L A403/A815	27.22
FPWE350NBS1090LG316L	G316L	10S	350NB SCH10 (14")	ELBOW 90DEG LONG RADIUS G316L A403/A815	36.30
FPWE400NBS1090LG316L	G316L	10S	400NB SCH10 (16")	ELBOW 90DEG LONG RADIUS G316L A403/A815	47.63
FPWE450NBS1090LG316L	G316L	10S	450NB SCH10 (18")	ELBOW 90DEG LONG RADIUS G316L A403/A815	59.87
FPWE500NBS1090LG316L	G316L	10S	500NB SCH10 (20")	ELBOW 90DEG LONG RADIUS G316L A403/A815	99.79
FPWE600NBS1090LG316L	G316L	10S	600NB SCH10 (24")	ELBOW 90DEG LONG RADIUS G316L A403/A815	140.61
FPWE015NBS4090LG316L	G316L	40S	015NB SCH40 (1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.08
FPWE020NBS4090LG316L	G316L	40S	020NB SCH40 (3/4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.09
FPWE025NBS4090LG316L	G316L	40S	025NB SCH40 (1")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.16
FPWE032NBS4090LG316L	G316L	40S	032NB SCH40 (1-1/4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.25
FPWE040NBS4090LG316L	G316L	40S	040NB SCH40 (1-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.40
FPWE050NBS4090LG316L	G316L	40S	050NB SCH40 (2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	0.71
FPWE065NBS4090LG316L	G316L	40S	065NB SCH40 (2-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	1.36
FPWE080NBS4090LG316L	G316L	40S	080NB SCH40 (3")	ELBOW 90DEG LONG RADIUS G316L A403/A815	2.18
FPWE090NBS4090LG316L	G316L	40S	090NB SCH40 (3-1/2")	ELBOW 90DEG LONG RADIUS G316L A403/A815	1.83
FPWE100NBS4090LG316L	G316L	40S	100NB SCH40 (4")	ELBOW 90DEG LONG RADIUS G316L A403/A815	4.17
FPWE125NBS4090LG316L	G316L	40S	125NB SCH40 (5")	ELBOW 90DEG LONG RADIUS G316L A403/A815	6.86
FPWE150NBS4090LG316L	G316L	40S	150NB SCH40 (6")	ELBOW 90DEG LONG RADIUS G316L A403/A815	10.89
FPWE200NBS4090LG316L	G316L	40S	200NB SCH40 (8")	ELBOW 90DEG LONG RADIUS G316L A403/A815	21.55
FPWE250NBS4090LG316L	G316L	40S	250NB SCH40 (10")	ELBOW 90DEG LONG RADIUS G316L A403/A815	38.56
FPWE300NBS4090LG316L	G316L	40S	300NB SCH40 (12")	ELBOW 90DEG LONG RADIUS G316L A403/A815	59.42
FPWE350NBSTD90LG316L	G316L	STD	350NB SCH10 (14")	ELBOW 90BEG LONG RADIUS G316L A403/A815	68.40
FPWE400NBSTD90LG316L	G316L	STD	400NB SCH10 (16")	ELBOW 90BEG LONG RADIUS G316L A403/A815	91.63

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

Butt Weld Fittings - Seamless

Long Radius Elbows 90°

Grades: 304L, 316L, 2205

Schedule: 10S, 40S

Unit of Supply: Each

Certification: Acc. to

ASME SA403 / ASTM A815 to ASME B16.9



FPSE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
G2205					
FPSE020NBS1090LG2205	G2205	10S	020NB SCH10 (3/4")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.07
FPSE025NBS1090LG2205	G2205	10S	025NB SCH10 (1")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.14
FPSE032NBS1090LG2205	G2205	10S	032NB SCH10 (1-1/4")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.23
FPSE040NBS1090LG2205	G2205	10S	040NB SCH10 (1-1/2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.31
FPSE050NBS1090LG2205	G2205	10S	050NB SCH10 (2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.51
FPSE065NBS1090LG2205	G2205	10S	065NB SCH10 (2-1/2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.85
FPSE080NBS1090LG2205	G2205	10S	080NB SCH10 (3")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	1.22
FPSE100NBS1090LG2205	G2205	10S	100NB SCH10 (4")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	2.15
FPSE125NBS1090LG2205	G2205	10S	125NB SCH10 (5")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	3.63
FPSE150NBS1090LG2205	G2205	10S	150NB SCH10 (6")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	4.90
FPSE015NBS4090LG2205	G2205	40S	015NB SCH40 (1/2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.08
FPSE020NBS4090LG2205	G2205	40S	020NB SCH40 (3/4")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.09
FPSE025NBS4090LG2205	G2205	40S	025NB SCH40 (1")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.16
FPSE040NBS4090LG2205	G2205	40S	040NB SCH40 (1-1/2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.40
FPSE050NBS4090LG2205	G2205	40S	050NB SCH40 (2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	0.71
FPSE065NBS4090LG2205	G2205	40S	065NB SCH40 (2-1/2")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	1.36
FPSE080NBS4090LG2205	G2205	40S	080NB SCH40 (3")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	2.18
FPSE100NBS4090LG2205	G2205	40S	100NB SCH40 (4")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	4.17
FPSE150NBS4090LG2205	G2205	40S	150NB SCH40 (6")	ELBOW 90DEG LONG RADIUS G2205 A403/A815	10.89

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

Butt Weld Fittings - Welded

Long Radius Elbows 90° - Seamless

Grades: 316L

Schedule: 80S

Unit of Supply: Each

Certification: Acc. to

ASME SA403 / ASTM A815 to ASME B16.9



FPSE

Product Code	Grade	Schedule	Product Size (mm)	Description	Weight ea (kg)
FPSE015NBS8090G316L	G316L	80S	015NB SCH80 (1/2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.10
FPSE020NBS8090G316L	G316L	80S	020NB SCH80 (3/4")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.15
FPSE025NBS8090G316L	G316L	80S	025NB SCH80 (1")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.22
FPSE040NBS8090G316L	G316L	80S	040NB SCH80 (1-1/2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.51
FPSE050NBS8090G316L	G316L	80S	050NB SCH80 (2")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	0.91
FPSE080NBS8090G316L	G316L	80S	080NB SCH80 (3")	ELBOW 90DEG LONG RADIUS 316L SEAMLESS A403/A815	2.98

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 SCH10 (1")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.10
FPWE040NBS1090SG316L	G316L	10S	040NB SCH10 (1-1/2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.22
FPWE050NBS1090SG316L	G316L	10S	050NB SCH10 (2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.37
FPWE065NBS1090SG316L	G316L	10S	065NB SCH10 (2-1/2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.62
FPWE080NBS1090SG316L	G316L	10S	080NB SCH10 (3")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.98
FPWE100NBS1090SG316L	G316L	10S	100NB SCH10 (4")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	1.72
FPWE150NBS1090SG316L	G316L	10S	150NB SCH10 (6")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	4.15
FPWE200NBS1090SG316L	G316L	10S	200NB SCH10 (8")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	8.00
FPWE250NBS1090SG316L	G316L	10S	250NB SCH10 (10")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	12.40
FPWE025NBS4090SG316L	G316L	40S	025NB SCH40 (1")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.12
FPWE032NBS4090SG316L	G316L	40S	032NB SCH40 (1-1/4")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.20
FPWE040NBS4090SG316L	G316L	40S	040NB SCH40 (1-1/2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.29
FPWE050NBS4090SG316L	G316L	40S	050NB SCH40 (2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	0.51
FPWE065NBS4090SG316L	G316L	40S	065NB SCH40 (2-1/2")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	1.02
FPWE080NBS4090SG316L	G316L	40S	080NB SCH40 (3")	ELBOW 90DEG SHORT RADIUS G316L A403/A815	1.50

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

Butt Weld Fittings - Welded

Equal Tees

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 SCH10 (1/2")	BUTT WELD EQUAL TEE G316L A403/A815	0.07
FPWTE020NBS10G316L	G316L	10S	020NB SCH10 (3/4")	BUTT WELD EQUAL TEE G316L A403/A815	0.09
FPWTE025NBS10G316L	G316L	10S	025NB SCH10 (1")	BUTT WELD EQUAL TEE G316L A403/A815	0.20
FPWTE032NBS10G316L	G316L	10S	032NB SCH10 (1-1/4")	BUTT WELD EQUAL TEE G316L A403/A815	0.33
FPWTE040NBS10G316L	G316L	10S	040NB SCH10 (1-1/2")	BUTT WELD EQUAL TEE G316L A403/A815	0.46
FPWTE050NBS10G316L	G316L	10S	050NB SCH10 (2")	BUTT WELD EQUAL TEE G316L A403/A815	0.63
FPWTE065NBS10G316L	G316L	10S	065NB SCH10 (2-1/2")	BUTT WELD EQUAL TEE G316L A403/A815	1.10
FPWTE080NBS10G316L	G316L	10S	080NB SCH10 (3")	BUTT WELD EQUAL TEE G316L A403/A815	1.37
FPWTE100NBS10G316L	G316L	10S	100NB SCH10 (4")	BUTT WELD EQUAL TEE G316L A403/A815	2.15
FPWTE125NBS10G316L	G316L	10S	125NB SCH10 (5")	BUTT WELD EQUAL TEE G316L A403/A815	3.48
FPWTE150NBS10G316L	G316L	10S	150NB SCH10 (6")	BUTT WELD EQUAL TEE G316L A403/A815	4.76
FPWTE200NBS10G316L	G316L	10S	200NB SCH10 (8")	BUTT WELD EQUAL TEE G316L A403/A815	8.46
FPWTE250NBS10G316L	G316L	10S	250NB SCH10 (10")	BUTT WELD EQUAL TEE G316L A403/A815	14.20
FPWTE300NBS10G316L	G316L	10S	300NB SCH10 (12")	BUTT WELD EQUAL TEE G316L A403/A815	21.60
FPWTE350NBS10G316L	G316L	10S	350NB SCH10 (14")	BUTT WELD EQUAL TEE G316L A403/A815	48.53
FPWTE400NBS10G316L	G316L	10S	400NB SCH10 (16")	BUTT WELD EQUAL TEE G316L A403/A815	58.97
FPWTE450NBS10G316L	G316L	10S	450NB SCH10 (18")	BUTT WELD EQUAL TEE G316L A403/A815	76.66
FPWTE500NBS10G316L	G316L	10S	500NB SCH10 (20")	BUTT WELD EQUAL TEE G316L A403/A815	103.42
FPWTE015NBS40G316L	G316L	40S	015NB SCH40 (1/2")	BUTT WELD EQUAL TEE G316L A403/A815	0.09
FPWTE020NBS40G316L	G316L	40S	020NB SCH40 (3/4")	BUTT WELD EQUAL TEE G316L A403/A815	0.12
FPWTE025NBS40G316L	G316L	40S	025NB SCH40 (1")	BUTT WELD EQUAL TEE G316L A403/A815	0.25
FPWTE032NBS40G316L	G316L	40S	032NB SCH40 (1-1/4")	BUTT WELD EQUAL TEE G316L A403/A815	0.42
FPWTE040NBS40G316L	G316L	40S	040NB SCH40 (1-1/2")	BUTT WELD EQUAL TEE G316L A403/A815	0.59
FPWTE050NBS40G316L	G316L	40S	050NB SCH40 (2")	BUTT WELD EQUAL TEE G316L A403/A815	0.87
FPWTE065NBS40G316L	G316L	40S	065NB SCH40 (2-1/2")	BUTT WELD EQUAL TEE G316L A403/A815	1.70
FPWTE080NBS40G316L	G316L	40S	080NB SCH40 (3")	BUTT WELD EQUAL TEE G316L A403/A815	1.90
FPWTE100NBS40G316L	G316L	40S	100NB SCH40 (4")	BUTT WELD EQUAL TEE G316L A403/A815	4.13
FPWTE150NBS40G316L	G316L	40S	150NB SCH40 (6")	BUTT WELD EQUAL TEE G316L A403/A815	9.73
FPWTE200NBS40G316L	G316L	40S	200NB SCH40 (8")	BUTT WELD EQUAL TEE G316L A403/A815	18.00
FPWTE250NBS40G316L	G316L	40S	250NB SCH40 (10")	BUTT WELD EQUAL TEE G316L A403/A815	30.80
FPWTE300NBS40G316L	G316L	40S	300NB SCH40 (12")	BUTT WELD EQUAL TEE G316L A403/A815	44.30
FPWTE015NBS80G316L	G316L	80S	015NB SCH80 (1/2")	BUTT WELD EQUAL TEE G316L A403/A815	0.14

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

Butt Weld Fittings - Welded

Reducing Tees

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 SCH10 (1" x 1/2")	BUTT WELD REDUCING TEE G316L A403/A815	0.19
FPWTR025020NBS10G316L	G316L	10S	025NB x 020NB SCH10 (1" x 3/4")	BUTT WELD REDUCING TEE G316L A403/A815	0.23
FPWTR040015NBS10G316L	G316L	10S	040NB x 015NB SCH10 (1-1/2" x 1/2")	BUTT WELD REDUCING TEE G316L A403/A815	0.39
FPWTR040020NBS10G316L	G316L	10S	040NB x 020NB SCH10 (1-1/2" x 3/4")	BUTT WELD REDUCING TEE G316L A403/A815	0.39
FPWTR040025NBS10G316L	G316L	10S	040NB x 025NB SCH10 (1-1/2" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	0.39
FPWTR050025NBS10G316L	G316L	10S	050NB x 025NB SCH10 (2" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	0.59
FPWTR050040NBS10G316L	G316L	10S	050NB x 040NB SCH10 (2" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	0.59
FPWTR065040NBS10G316L	G316L	10S	065NB x 040NB SCH10 (2-1/2" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	0.90
FPWTR065050NBS10G316L	G316L	10S	065NB x 050NB SCH10 (2-1/2" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	0.94
FPWTR080025NBS10G316L	G316L	10S	080NB x 025NB SCH10 (3" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	1.23
FPWTR080040NBS10G316L	G316L	10S	080NB x 040NB SCH10 (3" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	1.15
FPWTR080050NBS10G316L	G316L	10S	080NB x 050NB SCH10 (3" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	2.16
FPWTR080065NBS10G316L	G316L	10S	080NB x 065NB SCH10 (3" x 2-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	1.19
FPWTR100040NBS10G316L	G316L	10S	100NB x 040NB SCH10 (4" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	2.45
FPWTR100050NBS10G316L	G316L	10S	100NB x 050NB SCH10 (4" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	2.50
FPWTR100065NBS10G316L	G316L	10S	100NB x 065NB SCH10 (4" x 2-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	2.50
FPWTR100080NBS10G316L	G316L	10S	100NB x 080NB SCH10 (4" x 3")	BUTT WELD REDUCING TEE G316L A403/A815	2.50
FPWTR150080NBS10G316L	G316L	10S	150NB x 080NB SCH10 (6" x 3")	BUTT WELD REDUCING TEE G316L A403/A815	4.90
FPWTR150100NBS10G316L	G316L	10S	150NB x 100NB SCH10 (6" x 4")	BUTT WELD REDUCING TEE G316L A403/A815	5.10
FPWTR200100NBS10G316L	G316L	10S	200NB x 100NB SCH10 (8" x 4")	BUTT WELD REDUCING TEE G316L A403/A815	8.00
FPWTR200150NBS10G316L	G316L	10S	200NB x 150NB SCH10 (8" x 6")	BUTT WELD REDUCING TEE G316L A403/A815	18.10
FPWTR250150NBS10G316L	G316L	10S	250NB x 150NB SCH10 (10" x 6")	BUTT WELD REDUCING TEE G316L A403/A815	14.00
FPWTR250200NBS10G316L	G316L	10S	250NB x 200NB SCH10 (10" x 8")	BUTT WELD REDUCING TEE G316L A403/A815	14.50
FPWTR025020NBS40G316L	G316L	40S	025NB x 020NB SCH40 (1" x 3/4")	BUTT WELD REDUCING TEE G316L A403/A815	0.23
FPWTR040020NBS40G316L	G316L	40S	040NB x 020NB SCH40 (1-1/2" x 3/4")	BUTT WELD REDUCING TEE G316L A403/A815	0.52
FPWTR040025NBS40G316L	G316L	40S	040NB x 025NB SCH40 (1-1/2" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	0.52
FPWTR050025NBS40G316L	G316L	40S	050NB x 025NB SCH40 (2" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	0.74
FPWTR050040NBS40G316L	G316L	40S	050NB x 040NB SCH40 (2" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	0.74
FPWTR065040NBS40G316L	G316L	40S	065NB x 040NB SCH40 (2-1/2" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	1.49
FPWTR065050NBS40G316L	G316L	40S	065NB x 050NB SCH40 (2-1/2" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	1.49
FPWTR080025NBS40G316L	G316L	40S	080NB x 025NB SCH40 (3" x 1")	BUTT WELD REDUCING TEE G316L A403/A815	2.16
FPWTR080040NBS40G316L	G316L	40S	080NB x 040NB SCH40 (3" x 1-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	2.16
FPWTR080050NBS40G316L	G316L	40S	080NB x 050NB SCH40 (3" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	2.29
FPWTR080065NBS40G316L	G316L	40S	080NB x 065NB SCH40 (3" x 2-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	2.16
FPWTR100050NBS40G316L	G316L	40S	100NB x 050NB SCH40 (4" x 2")	BUTT WELD REDUCING TEE G316L A403/A815	4.50
FPWTR100065NBS40G316L	G316L	40S	100NB x 065NB SCH40 (4" x 2-1/2")	BUTT WELD REDUCING TEE G316L A403/A815	4.50
FPWTR100080NBS40G316L	G316L	40S	100NB x 080NB SCH40 (4" x 3")	BUTT WELD REDUCING TEE G316L A403/A815	4.50
FPWTR150080NBS40G316L	G316L	40S	150NB x 080NB SCH40 (6" x 3")	BUTT WELD REDUCING TEE G316L A403/A815	9.80
FPWTR150100NBS40G316L	G316L	40S	150NB x 100NB SCH40 (6" x 4")	BUTT WELD REDUCING TEE G316L A403/A815	9.80

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

Butt Weld Fittings - Welded

Concentric Reducers

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 SCH10 (3/4" x 1/2")	CONCENTRIC REDUCER G316L A403/A815	0.10
FPWRC025015NBS10G316L	G316L	10S	025NB x 015NB SCH10 (1" x 1/2")	CONCENTRIC REDUCER G316L A403/A815	0.13
FPWRC025020NBS10G316L	G316L	10S	025NB x 020NB SCH10 (1" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.13
FPWRC032020NBS10G316L	G316L	10S	032NB x 020NB SCH10 (1-1/4" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.18
FPWRC032025NBS10G316L	G316L	10S	032NB x 025NB SCH10 (1-1/4" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.18
FPWRC040015NBS10G316L	G316L	10S	040NB x 015NB SCH10 (1-1/2" x 1/2")	CONCENTRIC REDUCER G316L A403/A815	0.20
FPWRC040020NBS10G316L	G316L	10S	040NB x 020NB SCH10 (1-1/2" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.20
FPWRC040025NBS10G316L	G316L	10S	040NB x 025NB SCH10 (1-1/2" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.20
FPWRC040032NBS10G316L	G316L	10S	040NB x 032NB SCH10 (1-1/2" x 1-1/4")	CONCENTRIC REDUCER G316L A403/A815	0.20
FPWRC050020NBS10G316L	G316L	10S	050NB x 020NB SCH10 (2" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.25
FPWRC050025NBS10G316L	G316L	10S	050NB x 025NB SCH10 (2" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.25
FPWRC050032NBS10G316L	G316L	10S	050NB x 032NB SCH10 (2" x 1-1/4")	CONCENTRIC REDUCER G316L A403/A815	0.30
FPWRC050040NBS10G316L	G316L	10S	050NB x 040NB SCH10 (2" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.25
FPWRC065040NBS10G316L	G316L	10S	065NB x 040NB SCH10 (2-1/2" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.44
FPWRC065050NBS10G316L	G316L	10S	065NB x 050NB SCH10 (2-1/2" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.44
FPWRC080025NBS10G316L	G316L	10S	080NB x 025NB SCH10 (3" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.51
FPWRC080040NBS10G316L	G316L	10S	080NB x 040NB SCH10 (3" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.49
FPWRC080050NBS10G316L	G316L	10S	080NB x 050NB SCH10 (3" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.51
FPWRC080065NBS10G316L	G316L	10S	080NB x 065NB SCH10 (3" x 2-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.51
FPWRC100050NBS10G316L	G316L	10S	100NB x 050NB SCH10 (4" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.78
FPWRC100065NBS10G316L	G316L	10S	100NB x 065NB SCH10 (4" x 2-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.78
FPWRC100080NBS10G316L	G316L	10S	100NB x 080NB SCH10 (4" x 3")	CONCENTRIC REDUCER G316L A403/A815	0.78
FPWRC125080NBS10G316L	G316L	10S	125NB x 080NB SCH10 (5" x 3")	CONCENTRIC REDUCER G316L A403/A815	1.45
FPWRC125100NBS10G316L	G316L	10S	125NB x 100NB SCH10 (5" x 4")	CONCENTRIC REDUCER G316L A403/A815	1.49
FPWRC150080NBS10G316L	G316L	10S	150NB x 080NB SCH10 (6" x 3")	CONCENTRIC REDUCER G316L A403/A815	1.82
FPWRC150100NBS10G316L	G316L	10S	150NB x 100NB SCH10 (6" x 4")	CONCENTRIC REDUCER G316L A403/A815	1.95
FPWRC150125NBS10G316L	G316L	10S	150NB x 125NB SCH10 (6" x 5")	CONCENTRIC REDUCER G316L A403/A815	1.95
FPWRC200100NBS10G316L	G316L	10S	200NB x 100NB SCH10 (8" x 4")	CONCENTRIC REDUCER G316L A403/A815	3.02
FPWRC200125NBS10G316L	G316L	10S	200NB x 125NB SCH10 (8" x 5")	CONCENTRIC REDUCER G316L A403/A815	3.08
FPWRC200150NBS10G316L	G316L	10S	200NB x 150NB SCH10 (8" x 6")	CONCENTRIC REDUCER G316L A403/A815	3.19
FPWRC250150NBS10G316L	G316L	10S	250NB x 150NB SCH10 (10" x 6")	CONCENTRIC REDUCER G316L A403/A815	5.00
FPWRC250200NBS10G316L	G316L	10S	250NB x 200NB SCH10 (10" x 8")	CONCENTRIC REDUCER G316L A403/A815	5.00
FPWRC300150NBS10G316L	G316L	10S	300NB x 150NB SCH10 (12" x 6")	CONCENTRIC REDUCER G316L A403/A815	6.58
FPWRC300200NBS10G316L	G316L	10S	300NB x 200NB SCH10 (12" x 8")	CONCENTRIC REDUCER G316L A403/A815	7.67
FPWRC300250NBS10G316L	G316L	10S	300NB x 250NB SCH10 (12" x 10")	CONCENTRIC REDUCER G316L A403/A815	7.98
FPWRC350200NBS10G316L	G316L	10S	350NB x 200NB SCH10 (14" x 8")	CONCENTRIC REDUCER G316L A403/A815	13.88
FPWRC350250NBS10G316L	G316L	10S	350NB x 250NB SCH10 (14" x 10")	CONCENTRIC REDUCER G316L A403/A815	14.41
FPWRC350300NBS10G316L	G316L	10S	350NB x 300NB SCH10 (14" x 12")	CONCENTRIC REDUCER G316L A403/A815	16.00
FPWRC400250NBS10G316L	G316L	10S	400NB x 250NB SCH10 (16" x 10")	CONCENTRIC REDUCER G316L A403/A815	17.72
FPWRC400300NBS10G316L	G316L	10S	400NB x 300NB SCH10 (16" x 12")	CONCENTRIC REDUCER G316L A403/A815	18.90
FPWRC400350NBS10G316L	G316L	10S	400NB x 350NB SCH10 (16" x 14")	CONCENTRIC REDUCER G316L A403/A815	17.72
FPWRC500300NBS10G316L	G316L	10S	500NB x 300NB SCH10 (20" x 12")	CONCENTRIC REDUCER G316L A403/A815	33.10
FPWRC500400NBS10G316L	G316L	10S	500NB x 400NB SCH10 (20" x 16")	CONCENTRIC REDUCER G316L A403/A815	32.00
FPWRC500450NBS10G316L	G316L	10S	500NB x 450NB SCH10 (20" x 18")	CONCENTRIC REDUCER G316L A403/A815	33.10

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

Butt Weld Fittings - Welded

Concentric Reducers

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)
FPWRC020015NBS40G316L	G316L	40S	020NB x 015NB SCH40 (3/4" x 1/2")	CONCENTRIC REDUCER G316L A403/A815	0.14
FPWRC025015NBS40G316L	G316L	40S	025NB x 015NB SCH40 (1" x 1/2")	CONCENTRIC REDUCER G316L A403/A815	0.15
FPWRC025020NBS40G316L	G316L	40S	025NB x 020NB SCH40 (1" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.15
FPWRC032020NBS40G316L	G316L	40S	032NB x 020NB SCH40 (1-1/4" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.44
FPWRC032025NBS40G316L	G316L	40S	032NB x 025NB SCH40 (1-1/4" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.44
FPWRC040020NBS40G316L	G316L	40S	040NB x 020NB SCH40 (1-1/2" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.26
FPWRC040025NBS40G316L	G316L	40S	040NB x 025NB SCH40 (1-1/2" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.26
FPWRC040032NBS40G316L	G316L	40S	040NB x 032NB SCH40 (1-1/2" x 1-1/4")	CONCENTRIC REDUCER G316L A403/A815	0.26
FPWRC050020NBS40G316L	G316L	40S	050NB x 020NB SCH40 (2" x 3/4")	CONCENTRIC REDUCER G316L A403/A815	0.45
FPWRC050025NBS40G316L	G316L	40S	050NB x 025NB SCH40 (2" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.45
FPWRC050032NBS40G316L	G316L	40S	050NB x 032NB SCH40 (2" x 1-1/4")	CONCENTRIC REDUCER G316L A403/A815	0.22
FPWRC050040NBS40G316L	G316L	40S	050NB x 040NB SCH40 (2" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.45
FPWRC065040NBS40G316L	G316L	40S	065NB x 040NB SCH40 (2-1/2" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.77
FPWRC065050NBS40G316L	G316L	40S	065NB x 050NB SCH40 (2-1/2" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.77
FPWRC080025NBS40G316L	G316L	40S	080NB x 025NB SCH40 (3" x 1")	CONCENTRIC REDUCER G316L A403/A815	0.89
FPWRC080040NBS40G316L	G316L	40S	080NB x 040NB SCH40 (3" x 1-1/2")	CONCENTRIC REDUCER G316L A403/A815	0.89
FPWRC080050NBS40G304L	G316L	40S	080NB x 050NB SCH40 (3" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.89
FPWRC080050NBS40G316L	G316L	40S	080NB x 050NB SCH40 (3" x 2")	CONCENTRIC REDUCER G316L A403/A815	0.89
FPWRC080065NBS40G316L	G316L	40S	080NB x 065NB SCH40 (3" x 2-1/2")	CONCENTRIC REDUCER G316L A403/A815	1.74
FPWRC100050NBS40G316L	G316L	40S	100NB x 050NB SCH40 (4" x 2")	CONCENTRIC REDUCER G316L A403/A815	1.74
FPWRC100065NBS40G316L	G316L	40S	100NB x 065NB SCH40 (4" x 2-1/2")	CONCENTRIC REDUCER G316L A403/A815	1.74
FPWRC100080NBS40G316L	G316L	40S	100NB x 080NB SCH40 (4" x 3")	CONCENTRIC REDUCER G316L A403/A815	2.85
FPWRC125080NBS40G316L	G316L	40S	125NB x 080NB SCH40 (5" x 3")	CONCENTRIC REDUCER G316L A403/A815	2.85
FPWRC125100NBS40G316L	G316L	40S	125NB x 100NB SCH40 (5" x 4")	CONCENTRIC REDUCER G316L A403/A815	4.08
FPWRC150080NBS40G316L	G316L	40S	150NB x 080NB SCH40 (6" x 3")	CONCENTRIC REDUCER G316L A403/A815	4.08
FPWRC150100NBS40G316L	G316L	40S	150NB x 100NB SCH40 (6" x 4")	CONCENTRIC REDUCER G316L A403/A815	4.08
FPWRC150125NBS40G316L	G316L	40S	150NB x 125NB SCH40 (6" x 5")	CONCENTRIC REDUCER G316L A403/A815	6.94
FPWRC200100NBS40G316L	G316L	40S	200NB x 100NB SCH40 (8" x 4")	CONCENTRIC REDUCER G316L A403/A815	6.55
FPWRC200150NBS40G316L	G316L	40S	200NB x 150NB SCH40 (8" x 6")	CONCENTRIC REDUCER G316L A403/A815	11.56
FPWRC250150NBS40G316L	G316L	40S	250NB x 150NB SCH40 (10" x 6")	CONCENTRIC REDUCER G316L A403/A815	11.56
FPWRC250200NBS40G316L	G316L	40S	250NB x 200NB SCH40 (10" x 8")	CONCENTRIC REDUCER G316L A403/A815	16.63
FPWRC300200NBS40G316L	G316L	40S	300NB x 200NB SCH40 (12" x 8")	CONCENTRIC REDUCER G316L A403/A815	15.98
FPWRC300250NBS40G316L	G316L	40S	300NB x 250NB SCH40 (12" x 10")	CONCENTRIC REDUCER G316L A403/A815	15.98

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

Butt Weld Fittings - Welded

Eccentric Reducers

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 SCH10 (1" x 3/4")	ECCENTRIC REDUCER G316L A403/A815	0.13
FPWRE040020NBS10G316L	G316L	10S	040NB x 020NB SCH10 (1-1/2" x 3/4")	ECCENTRIC REDUCER G316L A403/A815	0.20
FPWRE040025NBS10G316L	G316L	10S	040NB x 025NB SCH10 (1-1/2" x 1")	ECCENTRIC REDUCER G316L A403/A815	0.20
FPWRE040032NBS10G316L	G316L	10S	040NB x 032NB SCH10 (1-1/2" x 1-1/4")	ECCENTRIC REDUCER G316L A403/A815	0.20
FPWRE050025NBS10G316L	G316L	10S	050NB x 025NB SCH10 (2" x 1")	ECCENTRIC REDUCER G316L A403/A815	0.30
FPWRE050032NBS10G316L	G316L	10S	050NB x 032NB SCH10 (2" x 1-1/4")	ECCENTRIC REDUCER G316L A403/A815	0.30
FPWRE050040NBS10G316L	G316L	10S	050NB x 040NB SCH10 (2" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.30
FPWRE065040NBS10G316L	G316L	10S	065NB x 040NB SCH10 (2-1/2" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.31
FPWRE065050NBS10G316L	G316L	10S	065NB x 050NB SCH10 (2-1/2" x 2")	ECCENTRIC REDUCER G316L A403/A815	0.31
FPWRE080040NBS10G316L	G316L	10S	080NB x 040NB SCH10 (3" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.51
FPWRE080050NBS10G316L	G316L	10S	080NB x 050NB SCH10 (3" x 2")	ECCENTRIC REDUCER G316L A403/A815	0.55
FPWRE080065NBS10G316L	G316L	10S	080NB x 065NB SCH10 (3" x 2-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.55
FPWRE100050NBS10G316L	G316L	10S	100NB x 050NB SCH10 (4" x 2")	ECCENTRIC REDUCER G316L A403/A815	0.83
FPWRE100065NBS10G316L	G316L	10S	100NB x 065NB SCH10 (4" x 2-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.78
FPWRE100080NBS10G316L	G316L	10S	100NB x 080NB SCH10 (4" x 3")	ECCENTRIC REDUCER G316L A403/A815	0.83
FPWRE150080NBS10G316L	G316L	10S	150NB x 080NB SCH10 (6" x 3")	ECCENTRIC REDUCER G316L A403/A815	1.82
FPWRE150100NBS10G316L	G316L	10S	150NB x 100NB SCH10 (6" x 4")	ECCENTRIC REDUCER G316L A403/A815	1.95
FPWRE250150NBS10G316L	G316L	10S	250NB x 150NB SCH10 (10" x 6")	ECCENTRIC REDUCER G316L A403/A815	11.12
FPWRE250200NBS10G316L	G316L	10S	250NB x 200NB SCH10 (10" x 8")	ECCENTRIC REDUCER G316L A403/A815	5.00
FPWRE300150NBS10G316L	G316L	10S	300NB x 150NB SCH10 (12" x 6")	ECCENTRIC REDUCER G316L A403/A815	7.67
FPWRE300200NBS10G316L	G316L	10S	300NB x 200NB SCH10 (12" x 8")	ECCENTRIC REDUCER G316L A403/A815	7.98
FPWRE300250NBS10G316L	G316L	10S	300NB x 250NB SCH10 (12" x 10")	ECCENTRIC REDUCER G316L A403/A815	7.98
FPWRE020015NBS40G316L	G316L	40S	020NB x 015NB SCH40 (3/4" x 1/2")	ECCENTRIC REDUCER G316L A403/A815	0.14
FPWRE025020NBS40G316L	G316L	40S	025NB x 020NB SCH40 (1" x 3/4")	ECCENTRIC REDUCER G316L A403/A815	0.16
FPWRE040020NBS40G316L	G316L	40S	040NB x 020NB SCH40 (1-1/2" x 3/4")	ECCENTRIC REDUCER G316L A403/A815	0.28
FPWRE040025NBS40G316L	G316L	40S	040NB x 025NB SCH40 (1-1/2" x 1")	ECCENTRIC REDUCER G316L A403/A815	0.26
FPWRE040032NBS40G316L	G316L	40S	040NB x 032NB SCH40 (1-1/2" x 1-1/4")	ECCENTRIC REDUCER G316L A403/A815	0.26
FPWRE050025NBS40G316L	G316L	40S	050NB x 025NB SCH40 (2" x 1")	ECCENTRIC REDUCER G316L A403/A815	0.40
FPWRE050032NBS40G316L	G316L	40S	050NB x 032NB SCH40 (2" x 1-1/4")	ECCENTRIC REDUCER G316L A403/A815	0.40
FPWRE050040NBS40G316L	G316L	40S	050NB x 040NB SCH40 (2" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.40
FPWRE065040NBS40G316L	G316L	40S	065NB x 040NB SCH40 (2-1/2" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.45
FPWRE065050NBS40G316L	G316L	40S	065NB x 050NB SCH40 (2-1/2" x 2")	ECCENTRIC REDUCER G316L A403/A815	0.45
FPWRE080040NBS40G316L	G316L	40S	080NB x 040NB SCH40 (3" x 1-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.89
FPWRE080050NBS40G316L	G316L	40S	080NB x 050NB SCH40 (3" x 2")	ECCENTRIC REDUCER G316L A403/A815	0.89
FPWRE080065NBS40G316L	G316L	40S	080NB x 065NB SCH40 (3" x 2-1/2")	ECCENTRIC REDUCER G316L A403/A815	0.89
FPWRE100050NBS40G316L	G316L	40S	100NB x 050NB SCH40 (4" x 2")	ECCENTRIC REDUCER G316L A403/A815	1.66
FPWRE100065NBS40G316L	G316L	40S	100NB x 065NB SCH40 (4" x 2-1/2")	ECCENTRIC REDUCER G316L A403/A815	1.66
FPWRE100080NBS40G316L	G316L	40S	100NB x 080NB SCH40 (4" x 3")	ECCENTRIC REDUCER G316L A403/A815	1.66

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

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 SCH10 (1")	BUTT WELD STUB END G316L A403/A815	0.16
FPWSE032NBS10G316L	G316L	10S	032NB SCH10 (1-1/4")	BUTT WELD STUB END G316L A403/A815	0.22
FPWSE040NBS10G316L	G316L	10S	040NB SCH10 (1-1/2")	BUTT WELD STUB END G316L A403/A815	0.25
FPWSE050NBS10G316L	G316L	10S	050NB SCH10 (2")	BUTT WELD STUB END G316L A403/A815	0.43
FPWSE065NBS10G316L	G316L	10S	065NB SCH10 (2-1/2")	BUTT WELD STUB END G316L A403/A815	0.57
FPWSE080NBS10G316L	G316L	10S	080NB SCH10 (3")	BUTT WELD STUB END G316L A403/A815	0.73
FPWSE100NBS10G316L	G316L	10S	100NB SCH10 (4")	BUTT WELD STUB END G316L A403/A815	1.09
FPWSE150NBS40G316L	G316L	10S	150NB SCH40 (6")	BUTT WELD STUB END G316L A403/A815	3.57
FPWSE015NBS40G316L	G316L	40S	015NB SCH40 (1/2")	BUTT WELD STUB END G316L A403/A815	0.09
FPWSE025NBS40G316L	G316L	40S	025NB SCH40 (1")	BUTT WELD STUB END G316L A403/A815	0.17
FPWSE032NBS40G316L	G316L	40S	032NB SCH40 (1-1/4")	BUTT WELD STUB END G316L A403/A815	0.25
FPWSE040NBS40G316L	G316L	40S	040NB SCH40 (1-1/2")	BUTT WELD STUB END G316L A403/A815	0.31
FPWSE065NBS40G316L	G316L	40S	065NB SCH40 (2-1/2")	BUTT WELD STUB END G316L A403/A815	0.80
FPWSE080NBS40G316L	G316L	40S	080NB SCH40 (3")	BUTT WELD STUB END G316L A403/A815	1.13
FPWSE100NBS40G316L	G316L	40S	100NB SCH40 (4")	BUTT WELD STUB END G316L A403/A815	1.87

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

Butt Weld Fittings - Seamless

End Caps

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 SCH10 (1/2")	BUTT WELD END CAP G316L A403/A815	0.04
FPSEC020NBS10G316L	G316L	10S	020NB SCH10 (3/4")	BUTT WELD END CAP G316L A403/A815	0.05
FPSEC025NBS10G316L	G316L	10S	025NB SCH10 (1")	BUTT WELD END CAP G316L A403/A815	0.09
FPSEC032NBS10G316L	G316L	10S	032NB SCH10 (1-1/4")	BUTT WELD END CAP G316L A403/A815	0.13
FPSEC040NBS10G316L	G316L	10S	040NB SCH10 (1-1/2")	BUTT WELD END CAP G316L A403/A815	0.14
FPSEC050NBS10G316L	G316L	10S	050NB SCH10 (2")	BUTT WELD END CAP G316L A403/A815	0.17
FPSEC065NBS10G316L	G316L	10S	065NB SCH10 (2-1/2")	BUTT WELD END CAP G316L A403/A815	0.25
FPSEC080NBS10G316L	G316L	10S	080NB SCH10 (3")	BUTT WELD END CAP G316L A403/A815	0.40
FPSEC100NBS10G316L	G316L	10S	100NB SCH10 (4")	BUTT WELD END CAP G316L A403/A815	0.65
FPSEC150NBS10G316L	G316L	10S	150NB SCH10 (6")	BUTT WELD END CAP G316L A403/A815	1.36
FPSEC200NBS10G316L	G316L	10S	200NB SCH10 (8")	BUTT WELD END CAP G316L A403/A815	2.49
FPSEC250NBS10G316L	G316L	10S	250NB SCH10 (10")	BUTT WELD END CAP G316L A403/A815	4.90
FPSEC300NBS10G316L	G316L	10S	300NB SCH10 (12")	BUTT WELD END CAP G316L A403/A815	6.53
FPSEC400NBS10G316L	G316L	10S	400NB SCH10 (16")	BUTT WELD END CAP G316L A403/A815	14.51
FPSEC450NBS10G316L	G316L	10S	450NB SCH10 (18")	BUTT WELD END CAP G316L A403/A815	17.96
FPSEC500NBS10G316L	G316L	10S	500NB SCH10 (20")	BUTT WELD END CAP G316L A403/A815	27.22
FPSEC015NBS40G316L	G316L	40S	015NB SCH40 (1/2")	BUTT WELD END CAP G316L A403/A815	0.05
FPSEC020NBS40G316L	G316L	40S	020NB SCH40 (3/4")	BUTT WELD END CAP G316L A403/A815	0.06
FPSEC025NBS40G316L	G316L	40S	025NB SCH40 (1")	BUTT WELD END CAP G316L A403/A815	0.13
FPSEC032NBS40G316L	G316L	40S	032NB SCH40 (1-1/4")	BUTT WELD END CAP G316L A403/A815	0.17
FPSEC040NBS40G316L	G316L	40S	040NB SCH40 (1-1/2")	BUTT WELD END CAP G316L A403/A815	0.23
FPSEC050NBS40G316L	G316L	40S	050NB SCH40 (2")	BUTT WELD END CAP G316L A403/A815	0.27
FPSEC065NBS40G316L	G316L	40S	065NB SCH40 (2-1/2")	BUTT WELD END CAP G316L A403/A815	0.45
FPSEC080NBS40G316L	G316L	40S	080NB SCH40 (3")	BUTT WELD END CAP G316L A403/A815	0.71
FPSEC100NBS40G316L	G316L	40S	100NB SCH40 (4")	BUTT WELD END CAP G316L A403/A815	1.22
FPSEC125NBS40G316L	G316L	40S	125NB SCH40 (5")	BUTT WELD END CAP G316L A403/A815	1.91
FPSEC150NBS40G316L	G316L	40S	150NB SCH40 (6")	BUTT WELD END CAP G316L A403/A815	3.23
FPSEC200NBS40G316L	G316L	40S	200NB SCH40 (8")	BUTT WELD END CAP G316L A403/A815	5.67
FPSEC250NBS40G316L	G316L	40S	250NB SCH40 (10")	BUTT WELD END CAP G316L A403/A815	9.21
FPSEC300NBS40G316L	G316L	40S	300NB SCH40 (12")	BUTT WELD END CAP G316L A403/A815	13.06

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

Low Pressure 150LB BSP 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)


FPTEF

90° Elbow (F/F)


FPTES

90° Street Elbow (M/F)


FPTTE

Tee (F/F)


FPTHC

Hex Cap


FPTNU

Hex Back Nut


FPTHP

Hex Head Plug


FPTSP

Square Head Plug


FPTHS

Half Socket


FPTS

Socket


FPTRS

Reducing Socket


FPTBN

Barrel Nipple


FPTHN

Hex Nipple Equal


FPTRN

Hex Reducing Nipple


FPTWN

Weld Nipple


FTTRWN

Reducing Weld Nipple


FPTBU

Hex Reducing Bush


FPTUN

3-Piece Union


FPTHT

Hex Hose Tail

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

Low Pressure 150LB BSP Threaded Fittings

45° Elbow (F/F)

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)

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)
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

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

Low Pressure 150LB BSP Threaded Fittings

90° Street Elbow (M/F)

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

Grades: 316
Style: Female/Female

Threads: BSP 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

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

Low Pressure 150LB BSP Threaded Fittings

Hex Cap

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

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

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

Low Pressure 150LB BSP Threaded Fittings

Hex Head Plug

Grades: 316

Style: Male

Threads: BSP 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

Half Socket

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

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

Low Pressure 150LB BSP Threaded Fittings

Socket

Grades: 316
Style: Female/Female

Threads: BSP 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

Reducing Socket

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
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

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

Low Pressure 150LB BSP Threaded Fittings

Barrel Nipple

Grades: 316
Style: Male/Male

Threads: BSP 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

Hex Nipple Equal

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

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

Low Pressure 150LB BSP Threaded Fittings

Hex Reducing Nipple

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)
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

Weld Nipple

Grades: 316
Style: Male

Threads: BSP 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

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

Low Pressure 150LB BSP Threaded Fittings

Reducing Weld Nipple

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

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

Low Pressure 150LB BSP Threaded Fittings

Hex Reducing Bush

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
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

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

Low Pressure 150LB BSP Threaded Fittings

3-Piece Union

Grades: 316

Style: Female/Female

Threads: BSP 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

Hex Hose Tail

Grades: 316

Style: Male/Hose Tail

Threads: BSP Taper

Rating: 150LB

Unit of Supply: Each



FPTHHT

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FPTHHT008NBG316150BSP	G316	008NB (1/4")	BSP HOSE TAIL 150LB G316	0.03
FPTHHT010NBG316150BSP	G316	010NB (3/8")	BSP HOSE TAIL 150LB G316	0.05
FPTHHT015NBG316150BSP	G316	015NB (1/2")	BSP HOSE TAIL 150LB G316	0.08
FPTHHT020NBG316150BSP	G316	020NB (3/4")	BSP HOSE TAIL 150LB G316	0.13
FPTHHT025NBG316150BSP	G316	025NB (1")	BSP HOSE TAIL 150LB G316	0.21
FPTHHT032NBG316150BSP	G316	032NB (1-1/4")	BSP HOSE TAIL 150LB G316	0.26
FPTHHT040NBG316150BSP	G316	040NB (1-1/2")	BSP HOSE TAIL 150LB G316	0.35
FPTHHT050NBG316150BSP	G316	050NB (2")	BSP HOSE TAIL 150LB G316	0.58
FPTHHT065NBG316150BSP	G316	065NB (2-1/2")	BSP HOSE TAIL 150LB G316	0.77
FPTHHT080NBG316150BSP	G316	080NB (3")	BSP HOSE TAIL 150LB G316	0.89

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

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



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



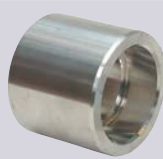
FPSE

Socket Weld 45° Elbow



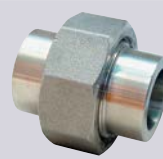
FPSTE

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
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
FPTEF025NB90DG316LF3000BSP	G316L	BSP	025NB (1")	BSP ELBOW 90DEG F/F 3000LB G316L	1.10
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

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

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

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

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)
FPTC0008NBG316L3000BSP	G316L	BSP	008NB (1/4")	BSP FULL COUPLING 3000LB G316L	0.05
FPTC0010NBG316L3000BSP	G316L	BSP	010NB (3/8")	BSP FULL COUPLING 3000LB G316L	0.06
FPTC0015NBG316L3000BSP	G316L	BSP	015NB (1/2")	BSP FULL COUPLING 3000LB G316L	0.14
FPTC0020NBG316L3000BSP	G316L	BSP	020NB (3/4")	BSP FULL COUPLING 3000LB G316L	0.20
FPTC0025NBG316L3000BSP	G316L	BSP	025NB (1")	BSP FULL COUPLING 3000LB G316L	0.40
FPTC0032NBG316L3000BSP	G316L	BSP	032NB (1-1/4")	BSP FULL COUPLING 3000LB G316L	0.80
FPTC0040NBG316L3000BSP	G316L	BSP	040NB (1-1/2")	BSP FULL COUPLING 3000LB G316L	1.02
FPTC0080NBG316L3000BSP	G316L	BSP	080NB (3")	BSP FULL COUPLING 3000LB G316L	1.90
FPTC0008NBG316L3000NPT	G316L	NPT	008NB (1/4")	NPT FULL COUPLING 3000LB G316L	0.05
FPTC0010NBG316L3000NPT	G316L	NPT	010NB (3/8")	NPT FULL COUPLING 3000LB G316L	0.06
FPTC0015NBG316L3000NPT	G316L	NPT	015NB (1/2")	NPT FULL COUPLING 3000LB G316L	0.14
FPTC0020NBG316L3000NPT	G316L	NPT	020NB (3/4")	NPT FULL COUPLING 3000LB G316L	0.20
FPTC0025NBG316L3000NPT	G316L	NPT	025NB (1")	NPT FULL COUPLING 3000LB G316L	0.40
FPTC0032NBG316L3000NPT	G316L	NPT	032NB (1-1/4")	NPT FULL COUPLING 3000LB G316L	0.70
FPTC0040NBG316L3000NPT	G316L	NPT	040NB (1-1/2")	NPT FULL COUPLING 3000LB G316L	1.03
FPTC0050NBG316L3000NPT	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

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

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: NPT Taper

Rating: 3000LB

Unit of Supply: Each


FPTBU

Product Code	Grade	Thread Style	Product Size (mm)	Description	Weight ea (kg)
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

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

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

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

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)
FPTT0015NBG316L3000BSP	G316L	BSP	015NB (1/2")	BSP THREDOLET 3000LB G316L	0.13
FPTT0020NBG316L3000BSP	G316L	BSP	020NB (3/4")	BSP THREDOLET 3000LB G316L	0.19
FPTT0025NBG316L3000BSP	G316L	BSP	025NB (1")	BSP THREDOLET 3000LB G316L	0.36
FPTT0040NBG316L3000BSP	G316L	BSP	040NB (1-1/2")	BSP THREDOLET 3000LB G316L	0.66
FPTT0050NBG316L3000BSP	G316L	BSP	050NB (2")	BSP THREDOLET 3000LB G316L	0.98
FPTT0015NBG316L3000NPT	G316L	NPT	015NB (1/2")	NPT THREDOLET 3000LB G316L	0.12
FPTT0020NBG316L3000NPT	G316L	NPT	020NB (3/4")	NPT THREDOLET 3000LB G316L	0.24
FPTT0025NBG316L3000NPT	G316L	NPT	025NB (1")	NPT THREDOLET 3000LB G316L	0.38
FPTT0032NBG316L3000NPT	G316L	NPT	032NB (1-1/4")	NPT THREDOLET 3000LB G316L	0.54
FPTT0040NBG316L3000NPT	G316L	NPT	040NB (1-1/2")	NPT THREDOLET 3000LB G316L	0.66
FPTT0050NBG316L3000NPT	G316L	NPT	050NB (2")	NPT THREDOLET 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)
FPW0015NBS40G316L	G316L	015NB SCH40 (1/2")	BUTTWELD WELDOLET G316L	0.10
FPW0020NBS40G316L	G316L	020NB SCH40 (3/4")	BUTTWELD WELDOLET G316L	0.20
FPW0025NBS40G316L	G316L	025NB SCH40 (1")	BUTTWELD WELDOLET G316L	0.25
FPW0032NBS40G316L	G316L	032NB SCH40 (1-1/4")	BUTTWELD WELDOLET G316L	0.40
FPW0040NBS40G316L	G316L	040NB SCH40 (1-1/2")	BUTTWELD WELDOLET G316L	0.46
FPW0050NBS40G316L	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)
FPS0015NBG316L3000	G316L	015NB (1/2")	SOCKET WELD OUTLET 3000LB G316L	0.13
FPS0020NBG316L3000	G316L	020NB (3/4")	SOCKET WELD OUTLET 3000LB G316L	0.24
FPS0025NBG316L3000	G316L	025NB (1")	SOCKET WELD OUTLET 3000LB G316L	0.37
FPS0040NBG316L3000	G316L	040NB (1-1/2")	SOCKET WELD OUTLET 3000LB G316L	0.65
FPS0050NBG316L3000	G316L	050NB (2")	SOCKET WELD OUTLET 3000LB G316L	1.02

Other grades, sizes and types available ex. 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

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

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

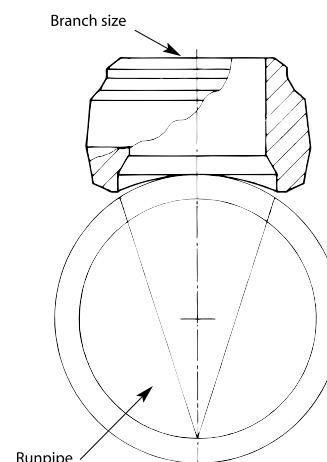
Rating: 3000LB

Unit of Supply: Each

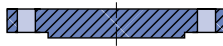
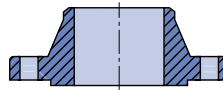
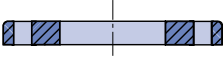
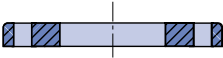

FPSUN

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

Note: Fittings supplied unground as per drawings. Pictures for illustration of result of final on site grinding adjustment to suit run pipe. Outlets generally stocked with run size 1/4" – 1" larger to allow for grinding to size.



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

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
AS 4087 / PN16 Flanges		FPFSO

ANSI Forged Flanges

ASTM / AS Standards

Standard Grades according ASTM A182 / 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

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



FPFSO

Product Code	Grade	Rating	Product Size (mm)	Description	Weight ea (kg)
FPFS0015NBG304L150	G304L	150	015NB (1/2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	0.39
FPFS0020NBG304L150	G304L	150	020NB (3/4")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	0.56
FPFS0025NBG304L150	G304L	150	025NB (1")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	0.78
FPFS0040NBG304L150	G304L	150	040NB (1-1/2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	1.32
FPFS0050NBG304L150	G304L	150	050NB (2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	2.06
FPFS0065NBG304L150	G304L	150	065NB (2-1/2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	3.28
FPFS0080NBG304L150	G304L	150	080NB (3")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	3.85
FPFS0100NBG304L150	G304L	150	100NB (4")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	5.30
FPFS0150NBG304L150	G304L	150	150NB (6")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	7.45
FPFS0200NBG304L150	G304L	150	200NB (8")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	12.10
FPFS0250NBG304L150	G304L	150	250NB (10")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	16.50
FPFS0300NBG304L150	G304L	150	300NB (12")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	26.20
FPFS0350NBG304L150	G304L	150	350NB (14")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	34.60
FPFS0400NBG304L150	G304L	150	400NB (16")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	44.80
FPFS0450NBG304L150	G304L	150	450NB (18")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	48.90
FPFS0500NBG304L150	G304L	150	500NB (20")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	64.00
FPFS0600NBG304L150	G304L	150	600NB (24")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	86.90
FPFS0015NBG316L150	G316L	150	015NB (1/2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	0.39
FPFS0020NBG316L150	G316L	150	020NB (3/4")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	0.56
FPFS0025NBG316L150	G316L	150	025NB (1")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	0.78
FPFS0032NBG316L150	G316L	150	032NB (1-1/4")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	1.03
FPFS0040NBG316L150	G316L	150	040NB (1-1/2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	1.32
FPFS0050NBG316L150	G316L	150	050NB (2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	2.06
FPFS0065NBG316L150	G316L	150	065NB (2-1/2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	3.28
FPFS0080NBG316L150	G316L	150	080NB (3")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	3.85
FPFS0100NBG316L150	G316L	150	100NB (4")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	5.30
FPFS0125NBG316L150	G316L	150	125NB (5")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	6.07
FPFS0150NBG316L150	G316L	150	150NB (6")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	7.45
FPFS0200NBG316L150	G316L	150	200NB (8")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	12.10
FPFS0250NBG316L150	G316L	150	250NB (10")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	16.50
FPFS0300NBG316L150	G316L	150	300NB (12")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	26.20
FPFS0350NBG316L150	G316L	150	350NB (14")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	36.00
FPFS0400NBG316L150	G316L	150	400NB (16")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	46.00
FPFS0450NBG316L150	G316L	150	450NB (18")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	48.90
FPFS0500NBG316L150	G316L	150	500NB (20")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	61.90
FPFS0600NBG316L150	G316L	150	600NB (24")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	86.90
FPFS0015NBG316L300	G316L	300	015NB (1/2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	0.64
FPFS0020NBG316L300	G316L	300	020NB (3/4")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	1.12
FPFS0025NBG316L300	G316L	300	025NB (1")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	1.36
FPFS0032NBG316L300	G316L	300	032NB (1-1/4")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	1.80
FPFS0040NBG316L300	G316L	300	040NB (1-1/2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	2.49
FPFS0050NBG316L300	G316L	300	050NB (2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	2.87
FPFS0065NBG316L300	G316L	300	065NB (2-1/2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	4.40
FPFS0080NBG316L300	G316L	300	080NB (3")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	5.85
FPFS0100NBG316L300	G316L	300	100NB (4")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	9.61
FPFS0150NBG316L300	G316L	300	150NB (6")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	15.60

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

ANSI Forged Flanges

ASTM / AS Standards

Raised Face Blind Flanges 150 / 300LB

Grades: 316L

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



FPFBL

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
FPFBL450NBG316L150	G316L	150	450NB (18")	RF BLIND PIPE FLANGE G316L ANSI150 B16.5 A182	93.70
FPFBL500NBG316L150	G316L	150	500NB (20")	RF BLIND PIPE FLANGE G316L ANSI150 B16.5 A182	122.00
FPFBL600NBG316L150	G316L	150	600NB (24")	RF BLIND PIPE FLANGE G316L ANSI150 B16.5 A182	188.00
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

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

ANSI Forged Flanges

ASTM / AS Standards

Weld Neck Flanges 150 / 300LB

Grades: 316L

Schedule: 10S, 40S

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



FPFWN

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
FPFWN250NBS10G316L150	G316L	150	10S	250NB SCH10 (10")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	24.00
FPFWN300NBS10G316L150	G316L	150	10S	300NB SCH10 (12")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	36.50
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
FPFWN250NBS40G316L150	G316L	150	40S	250NB SCH40 (10")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	24.00
FPFWN300NBS40G316L150	G316L	150	40S	300NB SCH40 (12")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	36.50
FPFWN350NBS40G316L150	G316L	150	40S	300NB SCH40 (12")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	48.40
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

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

ANSI Forged Flanges

ASTM / AS Standards

Socket Weld Flanges 150LB

Grades: 316L
Schedule: 40S

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



FPFSW

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

ASTM G304L and G316L, dual-marked and certified, hardness to NACE MR 0175 / ISO 15156, IC to A262/E, PMI tested, certificate to EN10204/3.

Flat Face Slip On Flanges Table D / E

Grades: 304L, 316L

Tables: D, E

Facing: Flat face, smooth finish

Unit of Supply: Each

Certification: Acc. to AS 2129 2000



FPFSO

Product Code	Grade	Table	Product Size (mm)	Description	Weight ea (kg)
FPFSO100NBG304LTD	G304L	D	100NB (4")	FPFSO PIPE FLANGE G304L TABLE D AS2129	2.50
FPFSO150NBG304LTDPN16	G304L	D	150NB (6")	FPFSO PIPE FLANGE G304L TABLE D AS2129	4.00
FPFSO200NBG304LTD	G304L	D	200NB (8")	FPFSO PIPE FLANGE G304L TABLE D AS2129	5.00
FPFSO250NBG304LTD	G304L	D	250NB (10")	FPFSO PIPE FLANGE G304L TABLE D AS2129	8.70
FPFSO300NBG304LTD	G304L	D	300NB (12")	FPFSO PIPE FLANGE G304L TABLE D AS2129	11.30
FPFSO350NBG304LTD	G304L	D	350NB (14")	FPFSO PIPE FLANGE G304L TABLE D AS2129	19.00
FPFSO400NBG304LTD	G304L	D	400NB (16")	FPFSO PIPE FLANGE G304L TABLE D AS2129	22.30
FPFSO450NBG304LTD	G304L	D	150NB (18")	FPFSO PIPE FLANGE G304L TABLE D AS2129	29.90
FPFSO500NBG304LTD	G304L	D	500NB (20")	FPFSO PIPE FLANGE G304L TABLE D AS2129	40.40
FPFSO600NBG304LTD	G304L	D	600NB (24")	FPFSO PIPE FLANGE G304L TABLE D AS2129	85.10
FPFSO100NBG316LTD	G316L	D	100NB (4")	FFSO PIPE FLANGE G316L TABLE D AS2129	2.50
FPFSO150NBG316LTD	G316L	D	150NB (6")	FFSO PIPE FLANGE G316L TABLE D AS2129	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
FPFSO600NBG316LTD	G316L	D	600NB (24")	FPFSO PIPE FLANGE G316L TABLE D AS2129	85.10
FPFSO015NBG304LTE	G304L	E	015NB (1/2")	FPFSO PIPE FLANGE G304L TABLE E AS2129	0.60
FPFSO020NBG304LTE	G304L	E	020NB (3/4")	FPFSO PIPE FLANGE G304L TABLE E AS2129	0.63
FPFSO025NBG304LTE	G304L	E	025NB (1")	FPFSO PIPE FLANGE G304L TABLE E AS2129	0.84
FPFSO032NBG304LTE	G304L	E	032NB (1 1/4")	FPFSO PIPE FLANGE G304L TABLE E AS2129	0.90
FPFSO040NBG304LTE	G304L	E	040NB (1 1/2")	FPFSO PIPE FLANGE G304L TABLE E AS2129	1.12
FPFSO050NBG304LTEPN16	G304L	E	050NB (2")	FPFSO PIPE FLANGE G304L TABLE E AS2129	1.30
FPFSO065NBG304LTE	G304L	E	065NB (2 1/2")	FPFSO PIPE FLANGE G304L TABLE E AS2129	1.53
FPFSO080NBG304LTEPN16	G304L	E	080NB (3")	FPFSO PIPE FLANGE G304L TABLE E AS2129	1.85
FPFSO100NBG304LTE	G304L	E	100NB (4")	FPFSO PIPE FLANGE G304L TABLE E AS2129	2.45
FPFSO125NBG304LTE	G304L	E	125NB (5")	FPFSO PIPE FLANGE G304L TABLE E AS2129	3.65
FPFSO150NBG304LTE	G304L	E	150NB (6")	FPFSO PIPE FLANGE G304L TABLE E AS2129	4.82
FPFSO200NBG304LTE	G304L	E	200NB (8")	FPFSO PIPE FLANGE G304L TABLE E AS2129	7.00
FPFSO250NBG304LTE	G304L	E	250NB (10")	FPFSO PIPE FLANGE G304L TABLE E AS2129	11.40
FPFSO300NBG304LTE	G304L	E	300NB (12")	FPFSO PIPE FLANGE G304L TABLE E AS2129	14.30
FPFSO350NBG304LTE	G304L	E	350NB (14")	FPFSO PIPE FLANGE G304L TABLE E AS2129	25.10
FPFSO400NBG304LTE	G304L	E	400NB (16")	FPFSO PIPE FLANGE G304L TABLE E AS2129	32.00
FPFSO450NBG304LTE	G304L	E	450NB (18")	FPFSO PIPE FLANGE G304L TABLE E AS2129	40.80

Raised face style, bossed and weldneck options available on request.

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

Table D / E Flanges

Acc. to AS 2129 2000

ASTM G304L and G316L, dual-marked and certified, hardness to NACE MR 0175 / ISO 15156, IC to A262/E, PMI tested, certificate to EN10204/3.

Flat Face Slip On Flanges Table D / E

Grades: 316L

Tables: D, E

Facing: Flat face, smooth finish

Unit of Supply: Each

Certification: Acc. to AS 2129 2000



FPFSO

Product Code	Grade	Table	Product Size (mm)	Description	Weight ea (kg)
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
FPFSO050NBG316LTE	G316L	E	050NB (2")	FFSO PIPE FLANGE G316L TABLE E AS2129	1.40
FPFSO065NBG316LTE	G316L	E	065NB (2-1/2")	FFSO PIPE FLANGE G316L TABLE E AS2129	1.60
FPFSO080NBG316LTE	G316L	E	080NB (3")	FFSO PIPE FLANGE G316L TABLE E AS2129	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
FPFSO500NBG316LTE	G316L	E	500NB (20")	FFSO PIPE FLANGE G316L TABLE E AS2129	53.00
FPFSO600NBG316LTE	G316L	E	600NB (24")	FFSO PIPE FLANGE G316L TABLE E AS2129	85.00

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

Table D / E Flanges

Acc. to AS 2129 2000

ASTM G304L and G316L, dual-marked and certified, hardness to NACE MR 0175 / ISO 15156,
 IC to A262/E, PMI tested, certificate to EN10204/3.

Flat Face Blind Flanges Table D / E

Grades: 316L

Tables: D, E

Facing: Flat face, smooth finish

Unit of Supply: Each

Certification: Acc. to AS 2129 2000



FPFBL

Product Code	Grade	Table	Product Size (mm)	Description	Weight ea (kg)
FPFBL100NBG316LTD	G316L	D	100NB (4")	FF BLIND FLANGE G316L TABLE D AS2129	3.40
FPFBL150NBG316LTD	G316L	D	150NB (6")	FF BLIND FLANGE G316L TABLE D AS2129	6.10
FPFBL200NBG316LTD	G316L	D	200NB (8")	FF BLIND FLANGE G316L TABLE D AS2129	8.90
FPFBL250NBG316LTD	G316L	D	250NB (10")	FF BLIND FLANGE G316L TABLE D AS2129	16.00
FPFBL300NBG316LTD	G316L	D	300NB (12")	FF BLIND FLANGE G316L TABLE D AS2129	23.90
FPFBL015NBG304LTE	G316L	E	015NB (1/2")	PPFSO PIPE FLANGE G316L TABLE E AS2129	0.62
FPFBL020NBG304LTE	G316L	E	020NB (3/4")	PPFSO PIPE FLANGE G316L TABLE E AS2129	0.69
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
FPFBL050NBG316LTE	G316L	E	050NB (2")	FF BLIND FLANGE G316L TABLE E AS2129	1.70
FPFBL065NBG316LTE	G316L	E	065NB (2-1/2")	FF BLIND FLANGE G316L TABLE E AS2129	2.10
FPFBL080NBG316LTE	G316L	E	080NB (3")	FF BLIND FLANGE G316L TABLE E AS2129	2.70
FPFBL100NBG316LTE	G316L	E	100NB (4")	FF BLIND FLANGE G316L TABLE E AS2129	3.60
FPFBL125NBG316LTE	G316L	E	125NB (5")	FF BLIND FLANGE G316L TABLE E AS2129	5.50
FPFBL150NBG316LTE	G316L	E	150NB (6")	FF BLIND FLANGE G316L TABLE E AS2129	8.30
FPFBL200NBG316LTE	G316L	E	200NB (8")	FF BLIND FLANGE G316L TABLE E AS2129	12.90
FPFBL250NBG316LTE	G316L	E	250NB (10")	FF BLIND FLANGE G316L TABLE E AS2129	21.90
FPFBL300NBG316LTE	G316L	E	300NB (12")	FF BLIND FLANGE G316L TABLE E AS2129	31.80
FPFBL350NBG316LTE	G316L	E	350NB (14")	FF BLIND FLANGE G316L TABLE E AS2129	47.60
FPFBL400NBG316LTE	G316L	E	400NB (16")	FF BLIND FLANGE G316L TABLE E AS2129	66.00
FPFBL450NBG304LTE	G316L	E	450NB (18")	PPFSO BLIND FLANGE G316L TABLE E AS2129	86.80
FPFBL500NBG304LTE	G316L	E	500NB (20")	PPFSO BLIND FLANGE G316L TABLE E AS2129	115.40
FPFBL600NBG304LTE	G316L	E	600NB (24")	PPFSO BLIND FLANGE G316L TABLE E AS2129	198.80

Raised face style, bossed and weldneck options available on request.

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

AS 4087 Flanges

Acc. to AS 4087:2001, ASTM A182 G316L, hardness to NACE MR0175,
 I/C to A262/E, PMI tested

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



PPFSO

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
PPFSO050NBG316LTEPN16	G316L	PN16	050NB (2")	FFSO PIPE FLANGE G316L PN16 AS4087 / TE AS2129	0.95
PPFSO065NBG316LTEPN16	G316L	PN16	065NB (2-1/2")	FFSO PIPE FLANGE G316L PN16 AS4087 / TE AS2129	1.11
PPFSO080NBG316LTEPN16	G316L	PN16	080NB (3")	FFSO PIPE FLANGE G316L PN16 AS4087 / TE AS2129	1.36
PPFSO100NBG316LPN16	G316L	PN16	100NB (4")	FFSO PIPE FLANGE G316L PN16 AS4087	2.15
PPFSO150NBG316LTPN16	G316L	PN16	150NB (6")	FFSO PIPE FLANGE G316L PN16 AS4087 / TD AS2129	3.20
PPFSO200NBG316LPN16	G316L	PN16	200NB (8")	FFSO PIPE FLANGE G316L PN16 AS4087	6.47
PPFSO250NBG316LPN16	G316L	PN16	250NB (10")	FFSO PIPE FLANGE G316L PN16 AS4087	8.94
PPFSO300NBG316LPN16	G316L	PN16	300NB (12")	FFSO PIPE FLANGE G316L PN16 AS4087	12.04
PPFSO350NBG316LPN16	G316L	PN16	350NB (14")	FFSO PIPE FLANGE G316L PN16 AS4087	24.00
PPFSO400NBG316LPN16	G316L	PN16	400NB (16")	FFSO PIPE FLANGE G316L PN16 AS4087	27.65

Note: Some sizes match AS 2129 TE/TD flanges

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

Flange Tables

1/2" - 15mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				Hole Size
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	
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			Bolt Data				Hole Size
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size		
							Metric	Inch	
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			Bolt Data				Hole Size
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size		
							Metric	Inch	
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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	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



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Welded Handrail Tube

Types: Satin

Grades: 304, 316, SAF 2205

Finish: 320 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
- 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 Satin 320G

Product Code	Grade	Finish	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSW009512G304P320+0600	G304	320G	9.50 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	1.50	0.25
HTSW012709G304P320+0600	G304	320G	12.70 x 0.9mm	SATIN TUBE 320GRIT G304 ASTM A554	1.59	0.27
HTSW012712G304P320+0600	G304	320G	12.70 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	2.04	0.34
HTSW012015G304P320+0600	G304	320G	12.70 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	2.64	4.40
HTSW012716G304P320+0600	G304	320G	12.70 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	2.64	0.44
HTSW015812G304P320+0600	G304	320G	15.88 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	2.64	0.44
HTSW015915G304P320+0600	G304	320G	15.88 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	3.42	0.57
HTSW015816G304P320+0600	G304	320G	15.88 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	3.42	0.57
HTSW019009G304P320+0600	G304	320G	19.05 x 0.9mm	SATIN TUBE 320GRIT G304 ASTM A554	2.70	0.45
HTSW019012G304P320+0600	G304	320G	19.05 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	3.18	0.53
HTSW019015G304P320+0600	G304	320G	19.05 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	3.42	7.00
HTSW019016G304P320+0600	G304	320G	19.05 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	4.20	0.70
HTSW022212G304P320+0600	G304	320G	22.22 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	3.78	0.63
HTSW022215G304P320+0600	G304	320G	22.22 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	4.92	0.82
HTSW022216G304P320+0600	G304	320G	22.22 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	4.92	0.82
HTSW025412G304P320+0600	G304	320G	25.40 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	4.32	0.72
HTSW025415G304P320+0600	G304	320G	25.40 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	5.70	0.95
HTSW025416G304P320+0600	G304	320G	25.40 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	5.70	0.95
HTSW028612G304P320+0600	G304	320G	28.60 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	4.98	0.83
HTSW031812G304P320+0600	G304	320G	31.80 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	5.46	0.91
HTSW031815G304P320+0600	G304	320G	31.80 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	7.26	1.20
HTSW031816G304P320+0600	G304	320G	31.80 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	7.20	1.20
HTSW038112G304P320+0600	G304	320G	38.10 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	6.60	1.10
HTSW038115G304P320+0600	G304	320G	38.10 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	8.70	1.50
HTSW038120G304P320+0600	G304	320G	38.10 x 2.0mm	SATIN TUBE 320GRIT G304 ASTM A554	10.50	1.75
HTSW044515G304P320+0600	G304	320G	44.45 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	10.26	1.71
HTSW050815G304P320+0600	G304	320G	50.80 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	11.76	1.96
HTSW050816G304P320+0600	G304	320G	50.80 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	11.76	1.96
HTSW050820G304P320+0600	G304	320G	50.80 x 2.0mm	SATIN TUBE 320GRIT G304 ASTM A554	14.59	2.43
HTSW063515G304P320+0600	G304	320G	63.50 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	14.82	2.47
HTSW063516G304P320+0600	G304	320G	63.50 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	14.82	2.47
HTSW076212G304P320+0600	G304	320G	76.20 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	13.68	2.28
HTSW076215G304P320+0600	G304	320G	76.20 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	17.82	2.97
HTSW076216G304P320+0600	G304	320G	76.20 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	17.82	2.97
HTSW076220G304P320+0600	G304	320G	76.20 x 2.0mm	SATIN TUBE 320GRIT G304 ASTM A554	11.76	1.96

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

Welded Handrail Tube

Types: Satin

Grades: 304, 316, SAF 2205

Finish: 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
HTSW088916G304P320ANN+0600	G304	320G	88.90 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	20.88	3.48
HTSW101615G304P320+0600	G304	320G	101.6 x 1.5mm	SATIN TUBE 320GRIT G304 ASTM A554	23.94	3.99
HTSW101616G304P320+0600	G304	320G	101.6 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	23.94	3.99
HTSW101620G304P320+0600	G304	320G	101.6 x 2.0mm	SATIN TUBE 320GRIT G304 ASTM A554	29.76	4.96
HTSW127016G304P320+0600	G304	320G	127.0 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	29.52	4.92
HTSW152416G304P320+0600	G304	320G	152.4 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	42.00	7.00
HTSW012716G316P320+0600	G316	320G	12.70 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	2.64	0.44
HTSW019016G316P320+0600	G316	320G	19.05 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	4.20	0.70
HTSW025412G316P320+0600	G316	320G	25.40 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	4.30	0.72
HTSW025416G316P320+0600	G316	320G	25.40 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	5.70	0.95
HTSW031816G316P320+0600	G316	320G	31.75 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	7.20	1.20
HTSW038116G316P320+0600	G316	320G	38.10 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	9.00	1.50
HTSW044516G316P320+0600	G316	320G	44.50 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	10.26	1.71
HTSW050816G316P320+0600	G316	320G	50.80 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	11.76	1.96
HTSW050820G316P320+0600	G316	320G	50.80 x 2.0mm	SATIN TUBE 320GRIT G316 ASTM A554	14.59	2.43
HTSW063516G316P320+0600	G316	320G	63.50 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	14.82	2.47
HTSW076212G316P320+0600	G316	320G	76.20 x 1.2mm	SATIN TUBE 320GRIT G316 ASTM A554	17.82	2.97
HTSW076216G316P320+0600	G316	320G	76.20 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	17.82	2.97
HTSW076220G316P320+0600	G316	320G	76.20 x 2.0mm	SATIN TUBE 320GRIT G316 ASTM A554	17.82	2.97
HTSW101616G316P320+0600	G316	320G	101.6 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	23.94	3.99
HTSW101620G316P320+0600	G316	320G	101.6 x 2.0mm	SATIN TUBE 320GRIT G316 ASTM A554	23.94	3.99
HTSW127016G316P320+0600	G316	320G	127.0 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	29.52	4.92
HTSW152416G316P320+0600	G316	320G	152.4 x 1.6mm	SATIN TUBE 320GRIT G316 ASTM A554	42.00	7.00

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

Food Grade Tube

Types: Imported

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 Australian food quality applications
Internal weld bead controlled

HTSW Imported

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSW025416G304+0600	G304	25.40 x 1.6mm	FOOD GRADE TUBE G304 AS1528.1	6.48	1.08
HTSW031816G304+0600	G304	31.80 x 1.6mm	FOOD GRADE TUBE G304 AS1528.1	7.35	1.23
HTSW038116G304+0600	G304	38.10 x 1.6mm	FOOD GRADE TUBE G304 AS1528.1	8.88	1.48
HTSW044516G304+0600	G304	44.45 x 1.6mm	FOOD GRADE TUBE G304 AS1528.1	10.20	1.70
HTSW050816G304+0600	G304	50.80 x 1.6mm	FOOD GRADE TUBE G304 AS1528.1	11.76	1.96
HTSW063516G304+0600	G304	63.50 x 1.6mm	FOOD GRADE TUBE G304 AS1528.1	14.82	2.47
HTSW076216G304+0600	G304	76.20 x 1.6mm	FOOD GRADE TUBE G304 AS1528.1	18.47	3.08
HTSW101616G304+0600	G304	101.6 x 1.6mm	FOOD GRADE TUBE G304 AS1528.1	24.76	4.13
HTSW127016G304+0600	G304	127.0 x 1.6mm	FOOD GRADE TUBE G304 AS1528.1	29.52	4.92
HTSW152416G304+0600	G304	152.4 x 1.6mm	FOOD GRADE TUBE G304 AS1528.1	42.00	7.00
HTSW025416G316+0600	G316L	25.40 x 1.6mm	FOOD GRADE TUBE G316L AS1528.1	6.48	1.08
HTSW031816G316+0600	G316L	31.80 x 1.6mm	FOOD GRADE TUBE G316L AS1528.1	7.35	1.23
HTSW038116G316+0600	G316L	38.10 x 1.6mm	FOOD GRADE TUBE G316L AS1528.1	8.88	1.48
HTSW044516G316+0600	G316L	44.45 x 1.6mm	FOOD GRADE TUBE G316L AS1528.1	10.20	1.70
HTSW050816G316+0600	G316L	50.80 x 1.6mm	FOOD GRADE TUBE G316L AS1528.1	11.76	1.96
HTSW063516G316+0600	G316L	63.50 x 1.6mm	FOOD GRADE TUBE G316L AS1528.1	14.82	2.47
HTSW076216G316+0600	G316L	76.20 x 1.6mm	FOOD GRADE TUBE G316L AS1528.1	18.47	3.08
HTSW101616G316+0600	G316L	101.6 x 1.6mm	FOOD GRADE TUBE G316L AS1528.1	24.76	4.13
HTSW127016G316+0600	G316L	127.0 x 1.6mm	FOOD GRADE TUBE G316L AS1528.1	29.52	4.92
HTSW152416G316+0600	G316L	152.4 x 1.6mm	FOOD GRADE TUBE G316L AS1528.1	42.00	7.00

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

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
HSS012712716G304+0600	G304	12.70 x 12.70 x 1.6mm	SHS G304 POLISHED 180GRIT ASTM A554	3.42	0.57
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
HSS02502516G304+0600	G304	25.40 x 25.40 x 1.6mm	SHS G304 POLISHED 180GRIT ASTM A554	7.20	1.20
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
HSS03203216G304+0600	G304	31.80 x 31.80 x 1.6mm	SHS G304 POLISHED 180GRIT ASTM A554	9.18	1.53
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
HSS03803816G304+0600	G304	38.10 x 38.10 x 1.6mm	SHS G304 POLISHED 180GRIT ASTM A554	11.22	1.87
HSS038038020G304+0600	G304	38.10 x 38.10 x 2.0mm	SHS G304 POLISHED 180GRIT ASTM A554	14.40	2.40
HSS03803830G304+0600	G304	38.10 x 38.10 x 3.0mm	SHS G304 POLISHED 180GRIT ASTM A554	20.36	3.39
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
HSS05105116G304+0600	G304	50.80 x 50.80 x 1.6mm	SHS G304 POLISHED 180GRIT ASTM A554	14.82	2.42
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
HSS150150050G304+0600	G304	150.0 x 150.0 x 5.0mm	SHS G304 POLISHED 180GRIT ASTM A554	134.40	22.40
HSS20020060G304+0600	G304	200.0 x 200.0 x 6mm	SHS G304 POLISHED 180GRIT ASTM A554	208.20	34.70

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

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
HSS012712716G316+0600	G316	12.70 x 12.70 x 1.6mm	SHS G316 POLISHED 180GRIT ASTM A554	3.42	0.57
HSS019019015G316+0600	G316	19.05 x 19.05 x 1.5mm	SHS G316 POLISHED 180GRIT ASTM A554	5.70	0.95
HSS01901916G316+0600	G316	19.05 x 19.05 x 1.6mm	SHS G316 POLISHED 180GRIT ASTM A554	5.34	0.89
HSS02502530G316+0600	G316	25.00 x 25.00 x 3.0mm	SHS G316 POLISHED 180GRIT ASTM A554	12.90	2.15
HSS025025015G316+0600	G316	25.40 x 25.40 x 1.5mm	SHS G316 POLISHED 180GRIT ASTM A554	7.20	1.20
HSS02502516G316+0600	G316	25.40 x 25.40 x 1.6mm	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
HSS03203216G316+0600	G316	31.80 x 31.80 x 1.6mm	SHS G316 POLISHED 180GRIT ASTM A554	9.18	1.53
HSS038038015G316+0600	G316	38.10 x 38.10 x 1.5mm	SHS G316 POLISHED 180GRIT ASTM A554	10.55	1.76
HSS03803816G316+0600	G316	38.10 x 38.10 x 1.6mm	SHS G316 POLISHED 180GRIT ASTM A554	11.22	1.87
HSS040040020G316+0600	G316	40.00 x 40.00 x 2.0mm	SHS G316 POLISHED 180GRIT ASTM A554	14.72	2.45
HSS04004030G316+0600	G316	40.00 x 40.00 x 3.0mm	SHS G316 POLISHED 180GRIT ASTM A554	21.42	3.57
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
HSS05105116G316+0600	G316	50.80 x 50.80 x 1.6mm	SHS G316 POLISHED 180GRIT ASTM A554	14.82	2.42
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
HSS080080020G316+0600	G316	80.00 x 80.00 x 2.0mm	SHS G316 POLISHED 180GRIT ASTM A554	29.93	4.99
HSS08008030G316+0600	G316	80.00 x 80.00 x 3.0mm	SHS G316 POLISHED 180GRIT ASTM A554	44.22	7.37
HSS08008050G316+0600	G316	80.00 x 80.00 x 5.0mm	SHS G316 POLISHED 180GRIT ASTM A554	72.78	12.13
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
HSS15015030G316+0600	G316	150.0 x 150.0 x 3.0mm	SHS G316 POLISHED 180GRIT ASTM A554	84.78	14.13
HSS15015050G316+0600	G316	150.0 x 150.0 x 5.0mm	SHS G316 POLISHED 180GRIT ASTM A554	139.80	23.30

Dimension tolerances acc. to ASTM A554-10

Largest outside dimension Across 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

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

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
HRS050025012G304+0600	G304	50.0 x 25.0 x 1.2mm	RHS G304 POLISHED 180GRIT ASTM A554	8.49	1.42
HRS050025015G304+0600	G304	50.0 x 25.0 x 1.5mm	RHS G304 POLISHED 180GRIT ASTM A554	10.55	1.76
HRS05002516G304+0600	G304	50.0 x 25.0 x 1.6mm	RHS G304 POLISHED 180GRIT ASTM A554	11.22	1.87
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
HRS051025015G304+0600	G304	50.8 x 25.4 x 1.5mm	RHS G304 POLISHED 180GRIT ASTM A554	10.56	1.76
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
HRS080060030G304+0600	G304	80.0 x 60.0 x 3.0mm	RHS G304 POLISHED 180GRIT ASTM A554	39.18	6.53
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
HRS120060040G304+0600	G304	120.0 x 60.0 x 4.0mm	RHS G304 POLISHED 180GRIT ASTM A554	66.30	11.05
HRS150050030G304+0600	G304	150.0 x 50.0 x 3.0mm	RHS G304 POLISHED 180GRIT ASTM A554	57.18	9.53
HRS15010003G304+0600	G304	150.0 x 100.0 x 3.0mm	RHS G304 POLISHED 180GRIT ASTM A554	71.00	11.83
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
HRS04002020G316+0600	G316	40.0 x 20.0 x 2.0mm	RHS G316 POLISHED 180GRIT ASTM A554	10.80	1.80
HRS050025015G316+0600	G316	50.0 x 25.0 x 1.5mm	RHS G316 POLISHED 180GRIT ASTM A554	10.55	1.76
HRS05002516G316+0600	G316	50.0 x 25.0 x 1.6mm	RHS G316 POLISHED 180GRIT ASTM A554	11.22	1.87
HRS050025030G316+0600	G316	50.0 x 25.0 x 3.0mm	RHS G316 POLISHED 180GRIT ASTM A554	20.74	3.46
HRS06004030G316+0600	G316	60.0 x 40.0 x 3.0mm	RHS G316 POLISHED 180GRIT ASTM A554	27.12	4.52
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
HRS10005050G316+0600	G316	100.0 x 50.0 x 5.0mm	RHS G316 POLISHED 180GRIT ASTM A554	68.16	11.36
HRS15010050G316+0600	G316	150.0 x 100.0 x 5.0mm	RHS G316 POLISHED 180GRIT ASTM A554	115.86	19.31
HRS20010050G316+0600	G316	200.0 x 100.0 x 5.0mm	RHS G316 POLISHED 180GRIT ASTM A554	140.4	23.4

Dimension tolerances acc. to ASTM A554-10

Largest outside dimension Across 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

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

Seamless 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



HTSS

Product Code	Finish	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSS0016051G316L+0600	Bright Annealed	1.59 x 0.51mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	0.084	0.01
HTSS0031071G316L+0600	Bright Annealed	3.18 x 0.71mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	0.264	0.04
HTSS0031089G316L+0600	Bright Annealed	3.18 x 0.89mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	0.306	0.05
HTSS0047089G316L+0600	Bright Annealed	4.76 x 0.89mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	0.516	0.09
HTSS006100G316L+0600	Bright Annealed	6.0 x 1mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	0.750	0.13
HTSS006150G316L+0600	Bright Annealed	6.0 x 1.5mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	1.010	0.17
HTSS0063089G316L+0600	Bright Annealed	6.35 x 0.89mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	0.732	0.10
HTSS0063124G316L+0600	Bright Annealed	6.35 x 1.24mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	0.948	0.16
HTSS0063165G316L+0600	Bright Annealed	6.35 x 1.65mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	1.164	0.19
HTSS0079089G316L+0600	Bright Annealed	7.94 x 0.89mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	0.942	0.16
HTSS008100G316L+0600	Bright Annealed	8.0 x 1mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	1.050	0.18
HTSS008150G316L+0600	Bright Annealed	8.0 x 1.5mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	1.460	0.24
HTSS0095089G316L+0600	Bright Annealed	9.53 x 0.89mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	1.152	0.19
HTSS0095124G316L+0600	Bright Annealed	9.53 x 1.24mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	1.542	0.26
HTSS0095165G316L+0600	Bright Annealed	9.53 x 1.65mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	1.950	0.33
HTSS010100G316L+0600	Bright Annealed	10.0 x 1mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	1.350	0.23
HTSS010150G316L+0600	Bright Annealed	10.0 x 1.5mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	1.920	0.32
HTSS012100G316L+0600	Bright Annealed	12.0 x 1mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	1.650	0.28
HTSS012150G316L+0600	Bright Annealed	12.0 x 1.5mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	2.364	0.39
HTSS012200G316L+0600	Bright Annealed	12.0 x 2mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	3.000	0.50
HTSS0127089G316L+0600	Bright Annealed	12.7 x 0.89mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	1.578	0.26
HTSS0127124G316L+0600	Bright Annealed	12.7 x 1.24mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	2.130	0.36
HTSS0127211G316L+0600	Bright Annealed	12.7 x 2.11mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	3.354	0.56
HTSS014200G316L+0600	Bright Annealed	14.0 x 2mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	3.600	0.60
HTSS015150G316L+0600	Bright Annealed	15.0 x 1.5mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	3.036	0.51
HTSS0158124G316L+0600	Bright Annealed	15.8 x 1.24mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	2.724	0.45
HTSS0158165G316L+0600	Bright Annealed	15.8 x 1.65mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	3.522	0.59
HTSS016150G316L+0600	Bright Annealed	16.0 x 1.5mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	3.264	0.54
HTSS016200G316L+0600	Bright Annealed	16.0 x 2mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	4.200	0.70
HTSS018150G316L+0600	Bright Annealed	18.0 x 1.5mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	3.714	0.62
HTSS0191124G316L+0600	Bright Annealed	19.05 x 1.24mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	3.312	0.55
HTSS0191165G316L+0600	Bright Annealed	19.05 x 1.65mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	4.308	0.72
HTSS0191211G316L+0600	Bright Annealed	19.050 x 2.11mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	5.364	0.89
HTSS020200G316L+0600	Bright Annealed	20.0 x 2mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	5.400	0.90
HTSS020250G316L+0600	Bright Annealed	20.0 x 2.5mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	6.564	1.09
HTSS022200G316L+0600	Bright Annealed	22.0 x 2mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	6.000	1.00
HTSS025200G316L+0600	Bright Annealed	25.0 x 2mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	6.882	1.15
HTSS025250G316L+0600	Bright Annealed	25.0 x 2.5mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	8.442	1.41
HTSS025300G316L+0600	Bright Annealed	25.0 x 3mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	9.900	1.65
HTSS0254124G316L+0600	Bright Annealed	25.4 x 1.24mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	4.494	0.75
HTSS0254165G316L+0600	Bright Annealed	25.4 x 1.65mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	5.880	0.98
HTSS0254211G316L+0600	Bright Annealed	25.4 x 2.11mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	7.374	1.23
HTSS0254320G316L+0600	Bright Annealed	25.4 x 3.2mm	Seamless Tube BA G316L A269/A213 Min Moly 2.5%	10.560	1.76

Seamless 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



HTSS

Product Code	Finish	Product Size (mm)	Description	Weight ea (kg)	kg/m
HTSS028200G316L+0600	BA or AP	28.0 x 2mm	Seamless Tube BA/AP G316L A269/A213 Min Moly 2.5%	7.800	1.30
HTSS030300G316L+0600	BA or AP	30.0 x 3m	Seamless Tube BA/AP G316L A269/A213 Min Moly 2.5%	12.150	2.03
HTSS0318160G316L+0600	BA or AP	31.75 x 1.6mm	Seamless Tube BA/AP G316L A269/A213 Min Moly 2.5%	7.200	1.20
HTSS0318320G316L+0600	BA or AP	31.75 x 3.2mm	Seamless Tube BA/AP G316L A269/A213 Min Moly 2.5%	13.620	2.27
HTSS035200G316L+0600	BA or AP	35.0 x 2mm	Seamless Tube BA/AP G316L A269/A213 Min Moly 2.5%	9.900	1.65
HTSS035300G316L+0600	BA or AP	35.0 x 3mm	Seamless Tube BA/AP G316L A269/A213 Min Moly 2.5%	14.060	2.40
HTSS0381320G316L+0600	BA or AP	38.1 x 3.2mm	Seamless Tube BA/AP G316L A269/A213 Min Moly 2.5%	16.620	2.77
HTSS038400G316L+0600	BA or AP	38.0 x 4mm	Seamless Tube BA/AP G316L A269/A213 Min Moly 2.5%	20.406	3.40
HTSS038500G316L+0600	BA or AP	38.0 x 5mm	Seamless Tube BA/AP G316L A269/A213 Min Moly 2.5%	24.756	4.13
HTSS042300G316L+0600	BA or AP	42.0 x 3mm	Seamless Tube BA/AP G316L A269/A213 Min Moly 2.5%	17.556	2.93
HTSS050500G316L+0600	BA or AP	50.0 x 5mm	Seamless Tube BA/AP G316L A269/A213 Min Moly 2.5%	33.762	5.63
HTSS0508320G316L+0600	BA or AP	50.8 x 3.2mm	Seamless Tube BA/AP G316L A269/A213	18.000	3.00

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.



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Elbows / Bends

Australian Standard (Uni)

90° Long Radius Elbows (Australian Standard)

Grades: 304, 316

Unit of Supply: Each

Finish: Polished

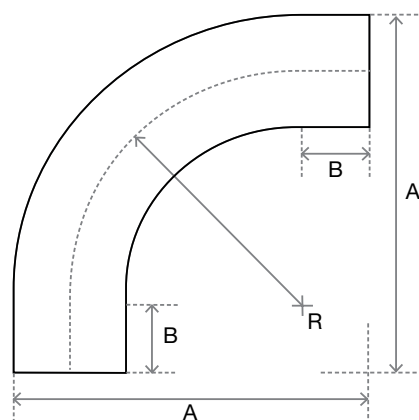
Certification: Acc. to AS 1528.3


FTWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
FTWE01591690LG304P	G304	15.88 x 1.6mm (5/8")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.05
FTWE01901690LG304P	G304	19.05 x 1.6mm (3/4")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.07
FTWE02541690LG304P	G304	25.40 x 1.6mm (1")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.11
FTWE03811690LG304P	G304	38.10 x 1.6mm (1-1/2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.27
FTWE05081690LG304P	G304	50.80 x 1.6mm (2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.44
FTWE06351690LG304P	G304	63.50 x 1.6mm (2-1/2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.59
FTWE07621690LG304P	G304	76.20 x 1.6mm (3")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	0.84
FTWE10161690LG304P	G304	101.6 x 1.6mm (4")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	1.12
FTWE12701690LG304P	G304	127.0 x 1.6mm (5")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	1.85
FTWE12702090LG304P	G304	127.0 x 2.0mm (5")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	1.85
FTWE15242090LG304P	G304	152.4 x 2.0mm (6")	ELBOW 90DEG LR AUSTRALIAN STANDARD G304 AS1528.3	3.20
FTWE01271690LG316P	G316	12.70 x 1.6mm (1/2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.04
FTWE01591690LG316P	G316	15.88 x 1.6mm (5/8")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.05
FTWE01901690LG316P	G316	19.05 x 1.6mm (3/4")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.07
FTWE02541690LG316P	G316	25.40 x 1.6mm (1")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.11
FTWE03811690LG316P	G316	38.10 x 1.6mm (1-1/2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.21
FTWE05081690LG316P	G316	50.80 x 1.6mm (2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.34
FTWE06351690LG316P	G316	63.50 x 1.6mm (2-1/2")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.48
FTWE07621690LG316P	G316	76.20 x 1.6mm (3")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	0.66
FTWE10161690LG316P	G316	101.6 x 1.6mm (4")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	1.12
FTWE12701690LG316P	G316	127.0 x 1.6mm (5")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	1.85
FTWE12702090LG316P	G316	127.0 x 2.0mm (5")	ELBOW 90DEG LR AUSTRALIAN STANDARD G316 AS1528.3	1.85
FTWE15242090LG316P	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 $\pm 0.5\%$ of OD, Square Target 0.2mm, Max 0.4mm, Dim A ± 1.5 mm, Dim B Nominal, Radius Nominal



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

Other grades and sizes available on request by arrangement or mill order

Elbows / Bends

90° Short Radius Elbows

Grades: 304, 316

Finish: Polished

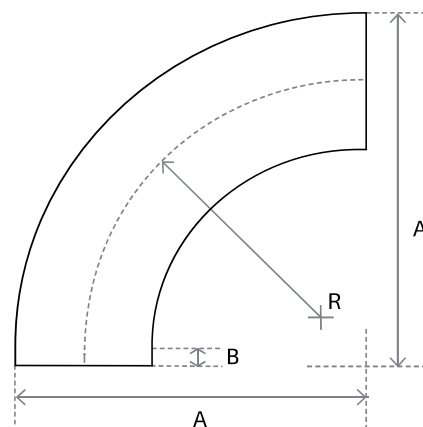
Unit of Supply: Each

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

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 $\pm 0.5\%$ 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 radial growth and springback. The 'A' dimension will always be correct.

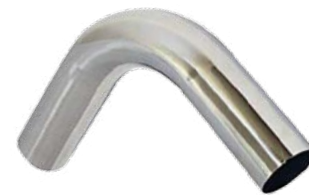
Other grades and sizes available on request by arrangement or mill order

Elbows / Bends

90° Long Leg Elbows

Grades: 304

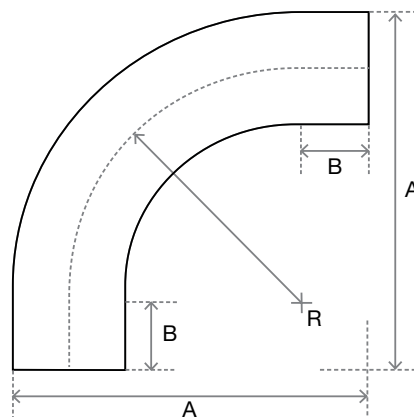
Finish: Polished

Unit of Supply: Each

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 $\pm 0.5\%$ 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 radial growth and springback. The 'A' dimension will always be correct.

Other grades and sizes available on request by arrangement or mill order

Elbows / Bends

45° Elbows

Grades: 316

Unit of Supply: Each

Finish: Polished

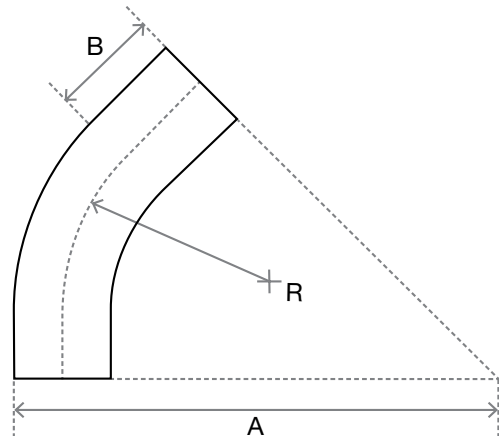
Certification: Acc. to AS 1528.3


FTWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
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

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 $\pm 0.5\%$ of OD, Square Target 0.2mm, Max 0.4mm, Dim A ± 1.5 mm, Dim B Nominal, Radius Nominal



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

Other grades and sizes available on request by arrangement or mill order

Elbows / Bends

45° Long Leg Elbows

Grades: 304

Finish: Polished

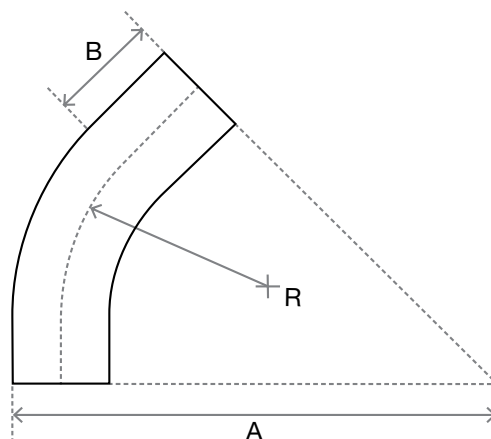
Unit of Supply: Each


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 $\pm 0.5\%$ of OD, Square Target 0.2mm, Max 0.4mm, Dim A ± 1.5 mm, Dim B Nominal, Radius Nominal



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

Other grades and sizes available on request by arrangement or mill order

Elbows / Bends

180° Elbows

Grades: 316

Unit of Supply: Each

Finish: Polished

Certification: Some sizes
 acc. to AS 1528.3

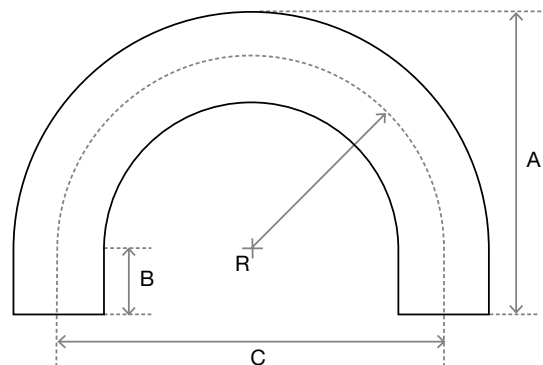
FTWE

Product Code	Grade	Product Size (mm)	Description	Weight ea (kg)
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 - 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 ± 1 mm, Dim B Nominal, Dim C Nominal – typically $2 \times R \times 1.03$. 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 radial growth and springback. The 'A' dimension will always be correct.

Other grades and sizes available on request by arrangement or mill order

Tees

Equal Tees

Grades: 304, 316

Unit of Supply: Each

Types: Equal, Swept, Long Leg

Finish: Polished

Certification: Some sizes
acc. to AS 1528.3



Equal

FTWTE

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FTWTE012716G316P	G316	EQUAL	12.70 x 1.6mm (1/2")	EQUAL TEE TUBE G316 AS1528.3	0.03
FTWTE015916G316P	G316	EQUAL	15.88 x 1.6mm (5/8")	EQUAL TEE TUBE G316 AS1528.3	0.05
FTWTE019016G316P	G316	EQUAL	19.05 x 1.6mm (3/4")	EQUAL TEE TUBE G316 AS1528.3	0.06
FTWTE025416G316P	G316	EQUAL	25.40 x 1.6mm (1")	EQUAL TEE TUBE G316 AS1528.3	0.09
FTWTE031816G316P	G316	EQUAL	31.80 x 1.6mm (1-1/4")	EQUAL TEE TUBE G316 AS1528.3	0.15
FTWTE038116G316P	G316	EQUAL	38.10 x 1.6mm (1-1/2")	EQUAL TEE TUBE G316 AS1528.3	0.22
FTWTE050816G316P	G316	EQUAL	50.80 x 1.6mm (2")	EQUAL TEE TUBE G316 AS1528.3	0.39
FTWTE063516G316P	G316	EQUAL	63.50 x 1.6mm (2-1/2")	EQUAL TEE TUBE G316 AS1528.3	0.69
FTWTE076216G316P	G316	EQUAL	76.20 x 1.6mm (3")	EQUAL TEE TUBE G316 AS1528.3	0.89
FTWTE101616G316P	G316	EQUAL	101.6 x 1.6mm (4")	EQUAL TEE TUBE G316 AS1528.3	1.62
FTWTE152420G316P	G316	EQUAL	152.4 x 2.0mm (6")	EQUAL TEE TUBE G316 AS1528.3	2.60

Other grades and sizes available on request by arrangement or mill order

Concentric and Eccentric Reducers

Concentric Reducers

Grades: 316

Type: Plain

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
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	1.00

Other grades and sizes available on request by arrangement or mill order

Concentric and Eccentric Reducers

Eccentric Reducers

Grades: 316

Type: Plain

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

Other grades and sizes available on request by arrangement or mill order

Tube Flanges

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)
FTFS002540DG316LTE	G316L	E	25.40mm OD (1")	FFSO TUBE FLANGE G316L TABLE E AS2129	0.85
FTFS003180DG316LTE	G316L	E	31.80mm OD (1-1/4")	FFSO TUBE FLANGE G316L TABLE E AS2129	0.95
FTFS003810DG316LTE	G316L	E	38.10mm OD (1-1/2")	FFSO TUBE FLANGE G316L TABLE E AS2129	1.20
FTFS005080DG316LTE	G316L	E	50.80mm OD (2")	FFSO TUBE FLANGE G316L TABLE E AS2129	1.35
FTFS006350DG316LTE	G316L	E	63.50mm OD (2-1/2")	FFSO TUBE FLANGE G316L TABLE E AS2129	1.60
FTFS007620DG316LTE	G316L	E	76.20mm OD (3")	FFSO TUBE FLANGE G316L TABLE E AS2129	2.00
FTFS010160DG316LTE	G316L	E	101.6mm OD (4")	FFSO TUBE FLANGE G316L TABLE E AS2129	2.65
FTFS01270DG316LTE	G316L	E	127.0mm OD (5")	FFSO TUBE FLANGE G316L TABLE E AS2129	3.95
FTFS015240DG316LTE	G316L	E	152.4mm OD (6")	FFSO TUBE FLANGE G316L TABLE E AS2129	5.00
FTFS020320DG316LTE	G316L	E	203.2mm OD (8")	FFSO TUBE FLANGE G316L TABLE E AS2129	7.10
FTFS02032IDG316LTE	G316L	E	203.2mm ID (8")	FFSO TUBE FLANGE G316L TABLE E AS2129	7.10
FTFS02540IDG316LTE	G316L	E	254.0mm ID (10")	FFSO TUBE FLANGE G316L TABLE E AS2129	11.40
FTFS03048IDG316LTE	G316L	E	304.8mm ID (12")	FFSO TUBE FLANGE G316L TABLE E AS2129	15.10
FTFS002540DG304LTE	G304L	E	25.40mm OD (1")	FFSO TUBE FLANGE G304L TABLE E AS2129	0.85
FTFS003810DG304LTE	G304L	E	38.10mm OD (1-1/2")	FFSO TUBE FLANGE G304L TABLE E AS2129	1.20
FTFS005080DG304LTE	G304L	E	50.80mm OD (2")	FFSO TUBE FLANGE G304L TABLE E AS2129	1.35
FTFS007620DG304LTE	G304L	E	76.20mm OD (3")	FFSO TUBE FLANGE G304L TABLE E AS2129	2.00
FTFS010160DG304LTE	G304L	E	101.6mm OD (4")	FFSO TUBE FLANGE G304L TABLE E AS2129	2.65
FTFS015240DG304LTE	G304L	E	152.4mm OD (6")	FFSO TUBE FLANGE G304L TABLE E AS2129	4.00
FTFS020320DG304LTE	G304L	E	203.2mm OD (8")	FFSO TUBE FLANGE G304L TABLE E AS2129	7.10
FTFS02032IDG304LTE	G304L	E	203.2mm ID (8")	FFSO TUBE FLANGE G304L TABLE E AS2129	7.10
FTFS010160DG316LTD	G316L	D	101.6mm OD (4")	FFSO TUBE FLANGE G316L TABLE D AS2129	2.65
FTFS015240DG316LTD	G316L	D	152.4mm OD (6")	FFSO TUBE FLANGE G316L TABLE D AS2129	4.00
FTFS020320DG316LTD	G316L	D	203.2mm OD (8")	FFSO TUBE FLANGE G316L TABLE D AS2129	5.00
FTFS02540IDG316LTD	G316L	D	254.0mm ID (10")	FFSO TUBE FLANGE G316L TABLE D AS2129	8.70
FTFS03048IDG316LTD	G316L	D	304.8mm ID (12")	FFSO TUBE FLANGE G316L TABLE D AS2129	11.30

Other grades and sizes available on request by arrangement or mill order

[illegible]A full-page sheet of graph paper featuring a uniform grid of thin, light gray lines on a white background. The grid consists of small squares covering the entire area.



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Round Bar

Grades: 304, 316, 2205, 2507, 253MA

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
G304				
BRS006G304H9+0400	G304	6mm	ROUND BAR G304 CD H9 ASTM A276/A479	0.23
BRS008G304H9+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
BRS020G304H9+0600	G304	20mm	ROUND BAR G304 CD H9 ASTM A276/A479	2.55
BRS024G304H9+0600	G304	24mm	ROUND BAR G304 CD H9 ASTM A276/A479	3.62
BRS025G304H9+0600	G304	25mm	ROUND BAR G304 CD H9 ASTM A276/A479	3.98
BRS030G304H10+0600	G304	30mm	ROUND BAR G304 ST H10 ASTM A276/A479	5.73
BRS035G304H9+0600	G304	35mm	ROUND BAR G304 ST H9 ASTM A276/A479	7.80
BRS040G304H10+0600	G304	40mm	ROUND BAR G304 ST H10 ASTM A276/A479	10.10
BRS040G304H9+0600	G304	40mm	ROUND BAR G304 ST H9 ASTM A276/A479	10.10
BRS040G304K12+0100	G304	40mm	ROUND BAR G304 PEELED K12 ASTM A276/A479	10.10
BRS050G304H10+0600	G304	50mm	ROUND BAR G304 CD H10 ASTM A276/A479	15.92
BRS080G304K12+0100	G304	80mm	ROUND BAR G304 PEELED K12 ASTM A276/A479	40.77
BRS095G304K12+0100	G304	95mm	ROUND BAR G304 PEELED K12 ASTM A276/A479	57.49
BRS110G304K12+0100	G304	110mm	ROUND BAR G304 PEELED K12 ASTM A276/A479	77.07
BRS115G304K12+0100	G304	115mm	ROUND BAR G304 PEELED K12 ASTM A276/A479	84.24
BRS120G304K12+0100	G304	120mm	ROUND BAR G304 PEELED K12 ASTM A276/A479	91.72
BRS127G304LK12+0100	G304L	127mm	ROUND BAR G304 PEELED K12 ASTM A276/A479	101.30
BRS140G304K12+0100	G304	140mm	ROUND BAR G304 PEELED K12 ASTM A276/A479	123.15
BRS170G304K12+0100	G304	170mm	ROUND BAR G304 PEELED K12 ASTM A276/A479	181.49
G316				
BRS006G316H9+0400	G316	6mm	ROUND BAR G316 CD H9 ASTM A276/A479	0.23
BRS008G316H9+0400	G316	8mm	ROUND BAR G316 CD H9 ASTM A276/A479	0.40
BRS010G316H9+0400	G316	10mm	ROUND BAR G316 CD H9 ASTM A276/A479	0.63
BRS012G316H9+0400	G316	12mm	ROUND BAR G316 CD H9 ASTM A276/A479	0.91
BRS016G316H9+0400	G316	16mm	ROUND BAR G316 CD H9 ASTM A276/A479	1.61
BRS020G316H9+0600	G316	20mm	ROUND BAR G316 CD H9 ASTM A276/A479	2.51
BRS024G316H9+0600	G316	24mm	ROUND BAR G316 CD H9 ASTM A276/A479	3.62
BRS025G316H9+0600	G316	25mm	ROUND BAR G316 CD H9 ASTM A276/A479	3.93
BRS030G316H10+0600	G316	30mm	ROUND BAR G316 ST H10 ASTM A276/A479	5.70
BRS035G316H9+0600	G316	35mm	ROUND BAR G316 ST H9 ASTM A276/A479	7.70
BRS040G316K12+0100	G316	40mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	10.10
BRS050G316K12+0100	G316	50mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	15.70
BRS055G316K12+0100	G316	55mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	19.00
BRS060G316K12+0100	G316	60mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	22.61
BRS065G316K12+0100	G316	65mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	26.54
BRS070G316K12+0100	G316	70mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	30.80
BRS075G316K12+0100	G316	75mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	35.40
BRS080G316K12+0100	G316	80mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	40.20
BRS085G316K12+0100	G316	85mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	45.40
BRS095G316K12+0100	G316	95mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	56.00

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 / + 3 mm.

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

Round Bar

Grades: 304, 316, 2205, 2507, 253MA

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
BRS100G316K12+0100	G316	100mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	62.00
BRS105G316K12+0100	G316	105mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	69.00
BRS110G316K12+0100	G316	110mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	75.00
BRS115G316K12+0100	G316	115mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	82.00
BRS120G316K12+0100	G316	120mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	90.00
BRS125G316K12+0100	G316	125mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	97.00
BRS127G316K12+0100	G316	127mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	100.00
BRS130G316K12+0100	G316	130mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	105.00
BRS135G316K12+0100	G316	135mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	113.00
BRS140G316K12+0100	G316	140mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	121.00
BRS145G316K12+0100	G316	145mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	130.00
BRS150G316K12+0100	G316	150mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	140.00
BRS155G316K12+0100	G316	155mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	149.00
BRS160G316K12+0100	G316	160mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	159.00
BRS165G316K12+0100	G316	165mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	169.00
BRS170G316K12+0100	G316	170mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	179.00
BRS175G316K12+0100	G316	175mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	190.00
BRS180G316K12+0100	G316	180mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	201.00
BRS185G316K12+0100	G316	185mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	212.00
BRS190G316K12+0100	G316	190mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	224.00
BRS200G316K12+0100	G316	200mm	ROUND BAR G316 PEELED K12 ASTM A276/A479	248.00

G2205

BRS016G2205H9+0600	SAF2205/31803	16mm	ROUND BAR G2205 CD H9 ASTM A276/A479	1.61
BRS020G2205K12+0100	SAF2205/31803	20mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	2.51
BRS025G2205K12+0100	SAF2205/31803	25mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	3.93
BRS030G2205K12+0100	SAF2205/31803	30mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	5.66
BRS035G2205K12+0100	SAF2205/31803	35mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	7.70
BRS040G2205K12+0100	SAF2205/31803	40mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	10.05
BRS044G2205CG+0600	SAF2205/31803	44mm	ROUND BAR G2205 CG H8 ASTM A276/A479	12.41
BRS045G2205K12+0100	SAF2205/31803	45mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	12.72
BRS050G2205K12+0100	SAF2205/31803	50mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	15.70
BRS060G2205K12+0100	SAF2205/31803	60mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	22.61
BRS065G2205K12+0100	SAF2205/31803	65mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	26.54
BRS070G2205K12+0100	SAF2205/31803	70mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	30.80
BRS075G2205K12+0100	SAF2205/31803	75mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	35.40
BRS080G2205K12+0100	SAF2205/31803	80mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	40.20
BRS085G2205K12+0100	SAF2205/31803	85mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	45.40
BRS090G2205K12+0100	SAF2205/31803	90mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	51.00
BRS100G2205K12+0100	SAF2205/31803	100mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	62.00
BRS105G2205K12+0100	SAF2205/31803	105mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	69.00
BRS110G2205K12+0100	SAF2205/31803	110mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	75.00
BRS115G2205K12+0100	SAF2205/31803	115mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	82.00
BRS120G2205K12+0100	SAF2205/31803	120mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	90.00
BRS125G2205K12+0100	SAF2205/31803	125mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	97.00
BRS130G2205K12+0100	SAF2205/31803	130mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	105.00
BRS135G2205K12+0100	SAF2205/31803	135mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	113.00
BRS140G2205K12+0100	SAF2205/31803	140mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	121.00

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

Round Bar

Grades: 304, 316, 2205, 2507, 253MA

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
BRS145G2205K12+0100	SAF2205/31803	145mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	130.00
BRS150G2205K12+0100	SAF2205/31803	150mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	140.00
BRS155G2205K12+0100	SAF2205/31803	155mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	149.00
BRS160G2205K12+0100	SAF2205/31803	160mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	159.00
BRS165G2205K12+0100	SAF2205/31803	165mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	169.00
BRS170G2205K12+0100	SAF2205/31803	170mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	179.00
BRS180G2205K12+0100	SAF2205/31803	180mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	201.00
BRS185G2205K12+0100	SAF2205/31803	185mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	212.00
BRS200G2205K12+0100	SAF2205/31803	200mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	248.00
BRS210G2205K12+0100	SAF2205/31803	210mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	273.00
BRS225G2205K12+0100	SAF2205/31803	225mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	314.00
BRS230G2205K12+0100	SAF2205/31803	230mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	328.00
BRS250G2205K12+0100	SAF2205/31803	250mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	387.00
BRS260G2205K12+0100	SAF2205/31803	260mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	419.00
BRS270G2205K12+0100	SAF2205/31803	270mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	450.00
BRS280G2205K12+0100	SAF2205/31803	280mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	485.00
BRS300G2205K12+0100	SAF2205/31803	300mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	557.00
BRS325G2205K12+0100	SAF2205/31803	325mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	654.00
BRS350G2205K12+0100	SAF2205/31803	350mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	758.00
BRS375G2205K12+0100	SAF2205/31803	375mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	870.00
BRS400G2205K12+0100	SAF2205/31803	400mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	990.00
BRS425G2205K12+0100	SAF2205/31803	425mm	ROUND BAR G2205 PEELED K12 ASTM A276/A479	1118.00

G2507

BRS020G2507K12+0100	SAF2507/32750	20mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	2.51
BRS025G2507K12+0100	SAF2507/32750	25mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	3.93
BRS030G2507K12+0100	SAF2507/32750	30mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	5.66
BRS035G2507K12+0100	SAF2507/32750	35mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	7.70
BRS040G2507K12+0100	SAF2507/32750	40mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	10.05
BRS050G2507K12+0100	SAF2507/32750	50mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	15.70
BRS065G2507K12+0100	SAF2507/32750	65mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	26.54
BRS070G2507K12+0100	SAF2507/32750	70mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	30.80
BRS080G2507K12+0100	SAF2507/32750	80mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	40.20
BRS085G2507K12+0100	SAF2507/32750	85mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	45.40
BRS090G2507K12+0100	SAF2507/32750	90mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	51.00
BRS100G2507K12+0100	SAF2507/32750	100mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	62.00
BRS110G2507K12+0100	SAF2507/32750	110mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	75.00
BRS115G2507K12+0100	SAF2507/32750	115mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	82.00
BRS130G2507K12+0100	SAF2507/32750	130mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	105.00
BRS140G2507K12+0100	SAF2507/32750	140mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	121.00
BRS145G2507K12+0100	SAF2507/32750	145mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	130.00
BRS150G2507K12+0100	SAF2507/32750	150mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	140.00
BRS160G2507K12+0100	SAF2507/32750	160mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	159.00
BRS170G2507K12+0100	SAF2507/32750	170mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	179.00
BRS180G2507K12+0100	SAF2507/32750	180mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	201.00
BRS200G2507K12+0100	SAF2507/32750	200mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	248.00
BRS205G2507K12+0100	SAF2507/32750	205mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	260.00
BRS210G2507K12+0100	SAF2507/32750	210mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	273.00
BRS230G2507K12+0100	SAF2507/32750	230mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	328.00

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

Round Bar

Grades: 304, 316, 2205, 2507, 253MA

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
BRS240G2507K12+0100	SAF2507/32750	240mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	355.00
BRS250G2507K12+0100	SAF2507/32750	250mm	ROUND BAR G2507 PEELED K12 ASTM A276/A479	387.00
BRS3048G2507K12+0100	SAF2507/32750	304.80mm (12")	ROUND BAR G2507 PEELED K12 ASTM A276/A479	575.00

G253 MA

BRS012G253MA+0400	G253MA	12mm	ROUND BAR G253MA ASTM A276/A479	0.91
BRS020G253MA+0100	G253MA	20mm	ROUND BAR G253MA ASTM A276/A479	2.51
BRS025G253MA+0100	G253MA	25mm	ROUND BAR G253MA ASTM A276/A479	3.93
BRS035G253MA+0100	G253MA	35mm	ROUND BAR G253MA ASTM A276/A479	7.70
BRS040G253MA+0100	G253MA	40mm	ROUND BAR G253MA ASTM A276/A479	10.10
BRS050G253MA+0100	G253MA	50mm	ROUND BAR G253MA ASTM A276/A479	15.70
BRS080G253MA+0100	G253MA	80mm	ROUND BAR G253MA ASTM A276/A479	40.20
BRS110G253MA+0100	G253MA	110mm	ROUND BAR G253MA ASTM A276/A479	76.00
BRS150G253MA+0100	G253MA	150mm	ROUND BAR G253MA ASTM A276/A479	141.30

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

Round Bar

Grades: 304, 316, 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
G304					
BRS0032G304H9+0400	G304	3.18mm	1/8"	ROUND BAR G304 CD H9 ASTM A276/A479	0.064
BRS0048G304H9+0400	G304	4.76mm	5/16"	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	0.25
BRS0079G304H9+0400	G304	7.95mm	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	0.57
BRS0127G304H9+0400	G304	12.70mm	1/2"	ROUND BAR G304 CD H9 ASTM A276/A479	1.02
BRS0143G304H9+0400	G304	14.28mm	9/16"	ROUND BAR G304 CD H9 ASTM A276/A479	1.29
BRS0159G304H9+0400	G304	15.88mm	5/8"	ROUND BAR G304 CD H9 ASTM A276/A479	1.59
BRS0191G304H9+0400	G304	19.05mm	3/4"	ROUND BAR G304 CD H9 ASTM A276/A479	2.28
BRS0222G304H9+0600	G304	22.20mm	7/8"	ROUND BAR G304 CD H9 ASTM A276/A479	3.10
BRS0254G304H9+0600	G304	25.40mm	1"	ROUND BAR G304 CD H9 ASTM A276/A479	4.06
BRS0285G304H9+0600	G304	28.58mm	1-1/8"	ROUND BAR G304 CD H9 ASTM A276/A479	5.13
BRS0318G304H10+0600	G304	31.75mm	1-1/4"	ROUND BAR G304 CD H9 ASTM A276/A479	6.33
BRS0349G304H10+0600	G304	34.93mm	1-3/8"	ROUND BAR G304 CD H9 ASTM A276/A479	7.67
BRS0381G304H10+0600	G304	38.10mm	1-1/2"	ROUND BAR G304 CD H9 ASTM A276/A479	9.12
BRS0381G304H9+0600	G304	38.10mm	1-1/2"	ROUND BAR G304 CD H9 ASTM A276/A479	9.12
BRS0445G304H10+0600	G304	44.45mm	1-3/4"	ROUND BAR G304 CD H10 ASTM A276/A479	12.41
BRS0508G304H10+0600	G304	50.80mm	2"	ROUND BAR G304 CD H10 ASTM A276/A479	16.21
BRS0572G304H10+0600	G304	57.15mm	2-1/4"	ROUND BAR G304 CD H10 ASTM A276/A479	20.51
BRS0635G304H10+0600	G304	63.50mm	2-1/2"	ROUND BAR G304 CD H10 ASTM A276/A479	25.33
BRS0762G304H10+0100	G304	76.20mm	3"	ROUND BAR G304 CD H10 ASTM A276/A479	36.50
BRS0889G304H10+0100	G304	88.90mm	3-1/2"	ROUND BAR G304 CD H10 ASTM A276/A479	49.00
BRS1016G304H10+0100	G304	101.60mm	4"	ROUND BAR G304 CD H10 ASTM A276/A479	64.00
BRS127G304LK12+0100	G304	127.00mm	5"	ROUND BAR G304 PEELED K12 ASTM A276/A479	100.00
BRS1524G304K12+0100	G304	152.40mm	6"	ROUND BAR G304 PEELED K12 ASTM A276/A479	144.00
BRS2032G304K12+0100	G304	203.20mm	8"	ROUND BAR G304 PEELED K12 ASTM A276/A479	256.00
BRS3048G304K12+0100	G304	304.80mm	12"	ROUND BAR G304 PEELED K12 ASTM A276/A479	575.00

G316

BRS0032G316H9+0400	G316	3.18mm	1/8"	ROUND BAR G316 CD H9 ASTM A276/A479	0.064
BRS0048G316H9+0400	G316	4.76mm	5/16"	ROUND BAR G316 CD H9 ASTM A276/A479	0.143
BRS0064G316H9+0400	G316	6.35mm	1/4"	ROUND BAR G316 CD H9 ASTM A276/A479	0.254
BRS0079G316H9+0400	G316	7.95mm	5/16"	ROUND BAR G316 CD H9 ASTM A276/A479	0.400
BRS0095G316H9+0400	G316	9.53mm	3/8"	ROUND BAR G316 CD H9 ASTM A276/A479	0.571
BRS0127G316H9+0400	G316	12.70mm	1/2"	ROUND BAR G316 CD H9 ASTM A276/A479	1.02
BRS0159G316H9+0400	G316	15.88mm	5/8"	ROUND BAR G316 CD H9 ASTM A276/A479	1.59
BRS0191G316H9+0400	G316	19.05mm	3/4"	ROUND BAR G316 CD H9 ASTM A276/A479	2.28
BRS0222G316H9+0600	G316	22.20mm	7/8"	ROUND BAR G316 CD H9 ASTM A276/A479	3.10
BRS0254G316H9+0600	G316	25.40mm	1"	ROUND BAR G316 CD H9 ASTM A276/A479	4.06
BRS0285G316H10+0600	G316	28.58mm	1-1/8"	ROUND BAR G316 CD H10 ASTM A276/A479	5.13
BRS0318G316H10+0600	G316	31.75mm	1-1/4"	ROUND BAR G316 CD H10 ASTM A276/A479	6.33
BRS0349G316H10+0600	G316	34.93mm	1-3/8"	ROUND BAR G316 CD H10 ASTM A276/A479	7.67
BRS0381G316H10+0600	G316	38.10mm	1-1/2"	ROUND BAR G316 CD H10 ASTM A276/A479	9.12
BRS0445G316H10+0600	G316	44.45mm	1-3/4"	ROUND BAR G316 CD H10 ASTM A276/A479	12.41
BRS0508G316H10+0600	G316	50.80mm	2"	ROUND BAR G316 CD H10 ASTM A276/A479	16.21

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

Round Bar



Grades: 304, 316, 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
BRS0572G316H10+0600	G316	57.15mm	2-1/4"	ROUND BAR G316 CD H10 ASTM A276/A479	20.51
BRS0635G316H10+0100	G316	63.50mm	2-1/2"	ROUND BAR G316 CD H10 ASTM A276/A479	25.33
BRS0762G316H10+0100	G316	76.20mm	3"	ROUND BAR G316 CD H10 ASTM A276/A479	36.50
BRS1016G316H10+0100	G316	101.60mm	4"	ROUND BAR G316 CD H10 ASTM A276/A479	64.00
BRS1524G316K12+0100	G316	152.40mm	6"	ROUND BAR G316 PEELED K12 ASTM A276/A479	144.00
BRS2032G316LK12+0100	G316	203.20mm	8"	ROUND BAR G316 PEELED K12 ASTM A276/A479	256.00

G316 - Centreless Ground (CG)

BRS0254G316CG+0600	G316	25.40mm	1"	ROUND BAR G316 CG H8 ASTM A276/A479	4.10
BRS0318G316CG+0600	G316	31.80mm	1-1/4"	ROUND BAR G316 CG H8 ASTM A276/A479	6.33
BRS0381G316CG+0600	G316	38.10mm	1-1/2"	ROUND BAR G316 CG H8 ASTM A276/A479	9.12
BRS0508G316CG+0600	G316	50.80mm	2"	ROUND BAR G316 CG H8 ASTM A276/A479	16.21
BRS0572G316CG+0600	G316	57.15mm	2-1/4"	ROUND BAR G316 CG H8 ASTM A276/A479	20.51
BRS0635G316CG+0600	G316	63.50mm	2-1/2"	ROUND BAR G316 CG H8 ASTM A276/A479	25.33
BRS0889G316CG+0600	G316	88.90mm	3-1/2"	ROUND BAR G316 CG H8 ASTM A276/A479	49.00

G2205 - Centreless Ground (CG)

BRS0127G2205H9+0400	SAF2205/31803	12.70mm	1/2"	ROUND BAR G2205 CD H9 ASTM A276/A479	1.02
BRS0191G2205CG+0600	SAF2205/31803	19.05mm	3/4"	ROUND BAR G2205 CG H8 ASTM A276/A479	2.28
BRS0254G2205CG+0600	SAF2205/31803	25.40mm	1"	ROUND BAR G2205 CG H8 ASTM A276/A479	4.06
BRS0318G2205CG+0600	SAF2205/31803	31.75mm	1-1/4"	ROUND BAR G2205 CG H8 ASTM A276/A479	6.33
BRS0508G2205CG+0600	SAF2205/31803	50.80mm	2"	ROUND BAR G2205 CG H8 ASTM A276/A479	16.21
BRS0572G2205CG+0600	SAF2205/31803	57.15mm	2-1/4"	ROUND BAR G2205 CG H8 ASTM A276/A479	20.51
BRS0635G2205CG+0600	SAF2205/31803	63.50mm	2-1/2"	ROUND BAR G2205 CG H8 ASTM A276/A479	25.33
BRS0699G2205CG+0600	SAF2205/31803	69.85mm	2-3/4"	ROUND BAR G2205 CG H8 ASTM A276/A479	30.64
BRS0762G2205CG+0600	SAF2205/31803	76.20mm	3"	ROUND BAR G2205 CG H8 ASTM A276/A479	36.50
BRS0889G2205CG+0600	SAF2205/31803	88.90mm	3-1/2"	ROUND BAR G2205 CG H8 ASTM A276/A479	49.00
BRS1016G2205CG+0600	SAF2205/31803	101.60mm	4"	ROUND BAR G2205 CG H8 ASTM A276/A479	64.00

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

Hollow Bar


Grades: 316L, 2205

Unit of Supply: Cut to Length

Certification: Acc. to

ASTM A511 / DIN 17458 TC1

HBS

Product Code	Grade	Product Size (mm)	Description	kg/m
G316L				
HBS118080G316L+0100	G316L	118 x 080mm	HOLLOW BAR G316L ASTM A511	49.58
HBS118090G316L+0100	G316L	118 x 090mm	HOLLOW BAR G316L ASTM A511	39.17
HBS125071G316L+0100	G316L	125 x 071mm	HOLLOW BAR G316L ASTM A511	68.75
HBS125080G316L+0100	G316L	125 x 080mm	HOLLOW BAR G316L ASTM A511	60.42
HBS125090G316L+0100	G316L	125 x 090mm	HOLLOW BAR G316L ASTM A511	50.00
HBS125100G316L+0100	G316L	125 x 100mm	HOLLOW BAR G316L ASTM A511	38.36
HBS132071G316L+0100	G316L	132 x 071mm	HOLLOW BAR G316L ASTM A511	80.22
HBS132090G316L+0100	G316L	132 x 090mm	HOLLOW BAR G316L ASTM A511	61.48
HBS140080G316L+0100	G316L	140 x 080mm	HOLLOW BAR G316L ASTM A511	85.78
HBS140100G316L+0100	G316L	140 x 100mm	HOLLOW BAR G316L ASTM A511	63.72
HBS140112G316L+0100	G316L	140 x 112mm	HOLLOW BAR G316L ASTM A511	48.13
HBS150080G316L+0100	G316L	150 x 080mm	HOLLOW BAR G316L ASTM A511	104.27
HBS150106G316L+0100	G316L	150 x 106mm	HOLLOW BAR G316L ASTM A511	74.64
HBS150125G316L+0100	G316L	150 x 125mm	HOLLOW BAR G316L ASTM A511	47.73
HBS160112G316L+0100	G316L	160 x 112mm	HOLLOW BAR G316L ASTM A511	86.39
HBS170118G316L+0100	G316L	170 x 118mm	HOLLOW BAR G316L ASTM A511	98.98
HBS170140G316L+0100	G316L	170 x 140mm	HOLLOW BAR G316L ASTM A511	64.21
HBS180100G316L+0100	G316L	180 x 100mm	HOLLOW BAR G316L ASTM A511	145.34
HBS180125G316L+0100	G316L	180 x 125mm	HOLLOW BAR G316L ASTM A511	110.86
HBS180150G316L+0100	G316L	180 x 150mm	HOLLOW BAR G316L ASTM A511	68.76
HBS190132G316L+0100	G316L	190 x 132mm	HOLLOW BAR G316L ASTM A511	123.45
HBS190160G316L+0100	G316L	190 x 160mm	HOLLOW BAR G316L ASTM A511	73.36
HBS200140G316L+0100	G316L	200 x 140mm	HOLLOW BAR G316L ASTM A511	134.99
HBS200160G316L+0100	G316L	200 x 160mm	HOLLOW BAR G316L ASTM A511	98.23
HBS212130G316L+0100	G316L	212 x 130mm	HOLLOW BAR G316L ASTM A511	182.00
HBS212170G316L+0100	G316L	212 x 170mm	HOLLOW BAR G316L ASTM A511	109.54
HBS224180G316L+0100	G316L	224 x 180mm	HOLLOW BAR G316L ASTM A511	121.46
HBS236150G316L+0100	G316L	236 x 150mm	HOLLOW BAR G316L ASTM A511	217.32
HBS236190G316L+0100	G316L	236 x 190mm	HOLLOW BAR G316L ASTM A511	133.99
HBS250200G316L+0100	G316L	250 x 200mm	HOLLOW BAR G316L ASTM A511	153.48
HBS275200G316L+0100	G316L	275 x 200mm	HOLLOW BAR G316L ASTM A511	227.69
HBS300200G316L+0100	G316L	300 x 200mm	HOLLOW BAR G316L ASTM A479	340.29
HBS340200G316L+0100	G316L	340 x 200mm	HOLLOW BAR G316L ASTM A479	506.80
HBS400300G316L+0100	G316L	400 x 300mm	HOLLOW BAR G316L ASTM A479	478.03

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.

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

Hollow Bar

Grades: 316L, 2205

Unit of Supply: Cut to Length

Certification: Acc. to

ASTM A511 / DIN 17458 TCI



HBS

Product Code	Grade	Product Size (mm)	Description	kg/m
SAF2205				
HBS063032G2205+0100	SAF2205/31803	063 x 032mm	HOLLOW BAR SANMAC2205	19.10
HBS071045G2205+0100	SAF2205/31803	071 x 045mm	HOLLOW BAR SANMAC2205	19.43
HBS100071G2205+0100	SAF2205/31803	100 x 071mm	HOLLOW BAR SANMAC2205	32.32
HBS106056G2205+0100	SAF2205/31803	106 x 056mm	HOLLOW BAR SANMAC2205	51.52
HBS106071G2205+0100	SAF2205/31803	106 x 071mm	HOLLOW BAR SANMAC2205	40.06
HBS125071G2205+0100	SAF2205/31803	125 x 071mm	HOLLOW BAR SANMAC2205	67.55
HBS125090G2205+0100	SAF2205/31803	125 x 090mm	HOLLOW BAR SANMAC2205	49.15
HBS132090G2205+0100	SAF2205/31803	132 x 090mm	HOLLOW BAR SANMAC2205	60.41
HBS150080G2205+0100	SAF2205/31803	150 x 080mm	HOLLOW BAR SANMAC2205	102.44
HBS160112G2205+0100	SAF2205/31803	160 x 112mm	HOLLOW BAR SANMAC2205	84.88
HBS180125G2205+0100	SAF2205/31803	180 x 125mm	HOLLOW BAR SANMAC2205	108.95
HBS200160G2205+0100	SAF2205/31803	200 x 160mm	HOLLOW BAR SANMAC2205	96.51
HBS212130G2205+0100	SAF2205/31803	212 x 130mm	HOLLOW BAR SANMAC2205	179.86

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.

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

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

Outside Dia mm	Inside Dia mm	Wall mm	kg/m	Description
95	67	14	29.9	Hollow Bar 95 x 67
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: 304, 316 (Cold Drawn)

Finish: H11

Unit of Supply:

3 - 4 m random lengths

Certification: Acc. to ASTM A276

BHS

Product Code	Grade	Product Size (mm)	(inch)	Description	kg/m
G304					
BHS1270G304+0400	G304	12.7mm	1/2"	HEX BAR G304L CD H11 ASTM A276	1.18
G316L					
BHS1270G316+0400	G316	12.7mm	1/2"	HEX BAR G316L CD H11 ASTM A276	1.18
BHS1587G316+0400	G316	15.87mm	5/8"	HEX BAR G316L CD H11 ASTM A276	1.84
BHS1905G316+0400	G316	19.05mm	3/4"	HEX BAR G316L CD H11 ASTM A276	2.65
BHS2220G316+0400	G316	22.2mm	7/8"	HEX BAR G316L CD H11 ASTM A276	3.61
BHS2337G316+0400	G316	23.37mm	59/64"	HEX BAR G316L CD H11 ASTM A276	3.99
BHS2540G316+0400	G316	25.4mm	1"	HEX BAR G316L CD H11 ASTM A276	4.71
BHS2857G316+0400	G316	28.57mm	1-1/8"	HEX BAR G316L CD H11 ASTM A276	5.96
BHS3048G316+0400	G316	30.48mm	1-13/16"	HEX BAR G316L CD H11 ASTM A276	6.78
BHS3175G316+0400	G316	31.75mm	1-1/4"	HEX BAR G316L CD H11 ASTM A276	7.36
BHS3492G316+0400	G316	34.92mm	1-3/8"	HEX BAR G316L CD H11 ASTM A276	8.91
BHS4242G316+0400	G316	42.42mm	1-43/64"	HEX BAR G316L CD H11 ASTM A276	13.13
BHS4445G316+0400	G316	44.45mm	1-3/4"	HEX BAR G316L CD H11 ASTM A276	14.42
BHS5080G316+0400	G316	50.8mm	2"	HEX BAR G316L CD H11 ASTM A276	18.83
BHS6350G316+0400	G316	63.5mm	2-1/2"	HEX BAR G316L CD H11 ASTM A276	29.43

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

Square Bar


Grades: 304, 316

Finish: Cold Drawn (CD), HRAP

Unit of Supply:

3 - 5 m random lengths

Certification: Acc. to ASTM A276

BSS

Product Code	Grade	Finish	Product Size (mm)	Description	kg/m
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G304 CD

BSS010G304C+0400	G304	CD	10mm	SQUARE BAR CD H11 G304 ASTM A276	0.82
BSS012G304C+0400	G304	CD	12mm	SQUARE BAR CD H11 G304 ASTM A276	1.19
BSS020G304C+0400	G304	CD	20mm	SQUARE BAR CD H11 G304 ASTM A276	3.30
BSS040G304C+0400	G304	CD	40mm	SQUARE BAR CD H11 G304 ASTM A276	13.19

G304 HRAP

BSS012G304H+0400	G304	HRAP	12mm	SQUARE BAR HRAP G304 ASTM A276	1.19
BSS018G304H+0400	G304	HRAP	31.75mm	SQUARE BAR HRAP G304 ASTM A276	8.31

G316 CD

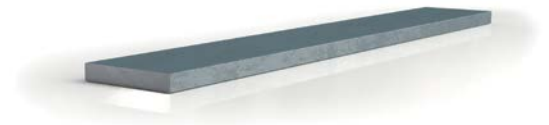
BSS006G316C+0400	G316	CD	6mm	SQUARE BAR CD H11 G316 ASTM A276	0.32
BSS010G316C+0400	G316	CD	10mm	SQUARE BAR CD H11 G316 ASTM A276	0.83
BSS016G316C+0400	G316	CD	16mm	SQUARE BAR CD H11 G316 ASTM A276	2.11
BSS0191G316C+0400	G316	CD	19.05mm	SQUARE BAR CD H11 G316 ASTM A276	2.99
BSS0254G316C+0400	G316	CD	25.4mm	SQUARE BAR CD H11 G316 ASTM A276	5.32
BSS025G316C+0400	G316	CD	25mm	SQUARE BAR CD H11 G316 ASTM A276	5.15
BSS0318G316C+0400	G316	CD	31.75mm	SQUARE BAR CD H11 G316 ASTM A276	8.31
BSS040G316C+0400	G316	CD	40mm	SQUARE BAR CD H11 G316 ASTM A276	13.19

G316 HRAP

BSS008G316H+0400	G316	HRAP	8mm	SQUARE BAR HRAP G316 ASTM A276	0.50
BSS010G316H+0400	G316	HRAP	10mm	SQUARE BAR HRAP G316 ASTM A276	0.83
BSS012G316H+0400	G316	HRAP	12mm	SQUARE BAR HRAP G316 ASTM A276	1.19
BSS016G316H+0400	G316	HRAP	16mm	SQUARE BAR HRAP G316 ASTM A276	2.11
BSS040G316H+0400	G316	HRAP	40mm	SQUARE BAR HRAP G316 ASTM A276	13.19
BSS050G316H+0400	G316	HRAP	50mm	SQUARE BAR HRAP G316 ASTM A276	20.60

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

Flat Bar



Grades: 304, 316
Finish: SRE, HRAP

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

BFS

Product Code	Grade	Finish	Product Size (mm)	Description	kg/m
G304 SRE					
BFS01003G304S+0400	G304	SRE	10 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	0.25
BFS01203G304S+0400	G304	SRE	12 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	0.30
BFS02003G304S+0400	G304	SRE	20 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	0.50
BFS02005G304S+0400	G304	SRE	20 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	0.82
BFS02006G304S+0400	G304	SRE	20 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	0.99
BFS02503G304S+0400	G304	SRE	25 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	0.62
BFS02505G304S+0400	G304	SRE	25 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	1.03
BFS02506G304S+0400	G304	SRE	25 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	1.24
BFS03003G304S+0400	G304	SRE	30 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	0.74
BFS03005G304S+0400	G304	SRE	30 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	1.24
BFS03006G304S+0400	G304	SRE	30 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	1.49
BFS04003G304S+0400	G304	SRE	40 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	0.99
BFS04005G304S+0400	G304	SRE	40 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	1.65
BFS04006G304S+0400	G304	SRE	40 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	1.98
BFS04010G304S+0400	G304	SRE	40 x 10mm	FLAT BAR SRE G304 ASTM A276/A484	3.30
BFS05003G304S+0400	G304	SRE	50 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	1.24
BFS05005G304S+0400	G304	SRE	50 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	2.06
BFS05006G304S+0400	G304	SRE	50 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	2.47
BFS05010G304S+0400	G304	SRE	50 x 0mm	FLAT BAR SRE G304 ASTM A276/A484	4.12
BFS06050G304S+0400	G304	SRE	65 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	2.68
BFS06056G304S+0400	G304	SRE	65 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	3.22
BFS0703G304S+0400	G304	SRE	75 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	1.86
BFS0705G304S+0400	G304	SRE	75 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	3.09
BFS0706G304S+0400	G304	SRE	75 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	3.71
BFS10003G304S+0400	G304	SRE	100 x 3mm	FLAT BAR SRE G304 ASTM A276/A484	2.47
BFS10005G304S+0400	G304	SRE	100 x 5mm	FLAT BAR SRE G304 ASTM A276/A484	4.15
BFS10006G304S+0400	G304	SRE	100 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	4.95
BFS15006G304S+0400	G304	SRE	150 x 6mm	FLAT BAR SRE G304 ASTM A276/A484	7.42
G316 SRE					
BFS01203G316S+0400	G316	SRE	12 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	0.30
BFS02003G316S+0400	G316	SRE	20 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	0.50
BFS02005G316S+0400	G316	SRE	20 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	0.82
BFS02006G316S+0400	G316	SRE	20 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	0.99
BFS02503G316S+0400	G316	SRE	25 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	0.62
BFS02505G316S+0400	G316	SRE	25 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	1.03
BFS02506G316S+0400	G316	SRE	25 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	1.24
BFS03003G316S+0400	G316	SRE	30 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	0.74
BFS03005G316S+0400	G316	SRE	30 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	1.24
BFS03006G316S+0400	G316	SRE	30 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	1.49
BFS04003G316S+0400	G316	SRE	40 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	0.99
BFS04005G316S+0400	G316	SRE	40 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	1.65
BFS04006G316S+0400	G316	SRE	40 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	1.98
BFS05003G316S+0400	G316	SRE	50 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	1.24
BFS05005G316S+0400	G316	SRE	50 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	2.06
BFS05006G316S+0400	G316	SRE	50 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	2.48
BFS06050G316S+0400	G316	SRE	65 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	2.68

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

Flat Bar

Grades: 304, 316
Finish: SRE, HRAP

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

BFS

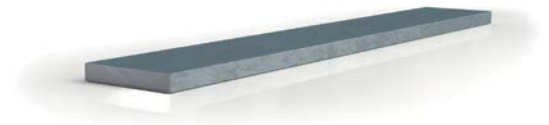
Product Code	Grade	Finish	Product Size (mm)	Description	kg/m
BFS07503G316S+0400	G316	SRE	75 x 3mm	FLAT BAR SRE G316 ASTM A276/A484	1.86
BFS07505G316S+0400	G316	SRE	75 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	3.09
BFS07506G316S+0400	G316	SRE	75 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	3.71
BFS10005G316S+0400	G316	SRE	100 x 5mm	FLAT BAR SRE G316 ASTM A276/A484	4.12
BFS10006G316S+0400	G316	SRE	100 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	4.95
BFS10008G316S+0400	G316	SRE	100 x 8mm	FLAT BAR SRE G316 ASTM A276/A484	6.60
BFS15006G316S+0400	G316	SRE	150 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	7.42
BFS20006G316S+0400	G316	SRE	200 x 6mm	FLAT BAR SRE G316 ASTM A276/A484	9.90

G304 HRAP

BFS02010G304H+0600	G304	HRAP	20 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	1.65
BFS02508G304H+0600	G304	HRAP	25 x 8mm	FLAT BAR HRAP G304 ASTM A276/A484	1.65
BFS02510G304H+0600	G304	HRAP	25 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	2.06
BFS02512G304H+0600	G304	HRAP	25 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	2.48
BFS03010G304H+0600	G304	HRAP	30 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	2.48
BFS03012G304H+0600	G304	HRAP	30 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	2.97
BFS04008G304H+0600	G304	HRAP	40 x 8mm	FLAT BAR HRAP G304 ASTM A276/A484	2.64
BFS04010G304H+0600	G304	HRAP	40 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	3.30
BFS04012G304H+0600	G304	HRAP	40 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	3.96
BFS04016G304H+0600	G304	HRAP	40 x 16mm	FLAT BAR HRAP G304 ASTM A276/A484	5.28
BFS04020G304H+0600	G304	HRAP	40 x 20mm	FLAT BAR HRAP G304 ASTM A276/A484	6.60
BFS05008G304H+0600	G304	HRAP	50 x 8mm	FLAT BAR HRAP G304 ASTM A276/A484	3.30
BFS05010G304H+0600	G304	HRAP	50 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	4.12
BFS05012G304H+0600	G304	HRAP	50 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	4.95
BFS05016G304H+0600	G304	HRAP	50 x 16mm	FLAT BAR HRAP G304 ASTM A276/A484	6.60
BFS05020G304H+0600	G304	HRAP	50 x 20mm	FLAT BAR HRAP G304 ASTM A276/A484	8.24
BFS05025G304H+0600	G304	HRAP	50 x 25mm	FLAT BAR HRAP G304 ASTM A276/A484	10.30
BFS06508G304H+0600	G304	HRAP	65 x 8mm	FLAT BAR HRAP G304 ASTM A276/A484	4.29
BFS06510G304H+0600	G304	HRAP	65 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	5.36
BFS06512G304H+0600	G304	HRAP	65 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	6.43
BFS07508G304H+0600	G304	HRAP	75 x 8mm	FLAT BAR HRAP G304 ASTM A276/A484	4.95
BFS07510G304H+0600	G304	HRAP	75 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	6.18
BFS07512G304H+0600	G304	HRAP	75 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	7.42
BFS07516G304H+0600	G304	HRAP	75 x 16mm	FLAT BAR HRAP G304 ASTM A276/A484	9.90
BFS07520G304H+0600	G304	HRAP	75 x 20mm	FLAT BAR HRAP G304 ASTM A276/A484	12.40
BFS10008G304H+0600	G304	HRAP	100 x 8mm	FLAT BAR HRAP G304 ASTM A276/A484	6.60
BFS10010G304H+0600	G304	HRAP	100 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	8.20
BFS10012G304H+0600	G304	HRAP	100 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	9.90
BFS10016G304H+0600	G304	HRAP	100 x 16mm	FLAT BAR HRAP G304 ASTM A276/A484	13.20
BFS10020G304H+0600	G304	HRAP	100 x 20mm	FLAT BAR HRAP G304 ASTM A276/A484	16.50
BFS10025G304H+0600	G304	HRAP	100 x 25mm	FLAT BAR HRAP G304 ASTM A276/A484	20.60
BFS15008G304H+0600	G304	HRAP	150 x 8mm	FLAT BAR HRAP G304 ASTM A276/A484	9.90
BFS15010G304H+0600	G304	HRAP	150 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	12.40
BFS15012G304H+0600	G304	HRAP	150 x 12mm	FLAT BAR HRAP G304 ASTM A276/A484	14.90
BFS20010G304H+0600	G304	HRAP	200 x 10mm	FLAT BAR HRAP G304 ASTM A276/A484	16.50

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

Flat Bar



Grades: 304, 316
Finish: SRE, HRAP

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

BFS

Product Code	Grade	Finish	Product Size (mm)	Description	kg/m
G316 HRAP					
BFS02010G316H+0600	G316	HRAP	20 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	1.65
BFS02508G316H+0400	G316	HRAP	25 x 8mm	FLAT BAR HRAP G316 ASTM A276/A484	1.65
BFS02510G316H+0600	G316	HRAP	25 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	2.06
BFS02512G316H+0600	G316	HRAP	25 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	2.48
BFS03006G316H+0600	G316	HRAP	30 x 6mm	FLAT BAR HRAP G316 ASTM A276/A484	1.49
BFS03008G316H+0600	G316	HRAP	30 x 8mm	FLAT BAR HRAP G316 ASTM A276/A484	1.98
BFS03010G316H+0600	G316	HRAP	30 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	2.48
BFS03012G316H+0600	G316	HRAP	30 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	2.97
BFS04008G316H+0600	G316	HRAP	40 x 8mm	FLAT BAR HRAP G316 ASTM A276/A484	2.64
BFS04010G316H+0600	G316	HRAP	40 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	3.30
BFS04012G316H+0600	G316	HRAP	40 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	3.96
BFS04016G316H+0600	G316	HRAP	40 x 16mm	FLAT BAR HRAP G316 ASTM A276/A484	5.28
BFS04020G316H+0600	G316	HRAP	40 x 20mm	FLAT BAR HRAP G316 ASTM A276/A484	6.60
BFS05008G316H+0600	G316	HRAP	50 x 8mm	FLAT BAR HRAP G316 ASTM A276/A484	3.30
BFS05010G316H+0600	G316	HRAP	50 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	4.12
BFS05012G316H+0600	G316	HRAP	50 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	4.95
BFS05016G316H+0600	G316	HRAP	50 x 16mm	FLAT BAR HRAP G316 ASTM A276/A484	6.60
BFS05020G316H+0600	G316	HRAP	50 x 20mm	FLAT BAR HRAP G316 ASTM A276/A484	8.24
BFS05025G316H+0600	G316	HRAP	50 x 25mm	FLAT BAR HRAP G316 ASTM A276/A484	10.30
BFS06508G316H+0600	G316	HRAP	65 x 8mm	FLAT BAR HRAP G316 ASTM A276/A484	4.29
BFS06510G316H+0600	G316	HRAP	65 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	5.36
BFS06512G316H+0600	G316	HRAP	65 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	6.43
BFS07508G316H+0600	G316	HRAP	75 x 8mm	FLAT BAR HRAP G316 ASTM A276/A484	4.95
BFS07510G316H+0600	G316	HRAP	75 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	6.18
BFS07512G316H+0600	G316	HRAP	75 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	7.42
BFS07516G316H+0600	G316	HRAP	75 x 16mm	FLAT BAR HRAP G316 ASTM A276/A484	9.90
BFS07525G316H+0600	G316	HRAP	75 x 25mm	FLAT BAR HRAP G316 ASTM A276/A484	15.45
BFS09010G316H+0600	G316	HRAP	90 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	7.42
BFS10008G316H+0600	G316	HRAP	100 x 8mm	FLAT BAR HRAP G316 ASTM A276/A484	6.60
BFS10010G316H+0600	G316	HRAP	100 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	8.24
BFS10012G316H+0600	G316	HRAP	100 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	9.89
BFS10016G316H+0600	G316	HRAP	100 x 16mm	FLAT BAR HRAP G316 ASTM A276/A484	13.19
BFS10020G316H+0600	G316	HRAP	100 x 20mm	FLAT BAR HRAP G316 ASTM A276/A484	16.48
BFS10025G316H+0600	G316	HRAP	100 x 25mm	FLAT BAR HRAP G316 ASTM A276/A484	20.60
BFS15008G316H+0600	G316	HRAP	150 x 8mm	FLAT BAR HRAP G316 ASTM A276/A484	9.90
BFS15010G316H+0600	G316	HRAP	150 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	12.40
BFS15012G316H+0600	G316	HRAP	150 x 12mm	FLAT BAR HRAP G316 ASTM A276/A484	14.90
BFS20010G316H+0600	G316	HRAP	200 x 10mm	FLAT BAR HRAP G316 ASTM A276/A484	16.50

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.

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

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 x 20 x 3mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	0.92
AES02502503G304H+0600	G304	25 x 25 x 3mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	1.16
AES02502505G304H+0600	G304	25 x 25 x 5mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	1.90
AES02502506G304H+0600	G304	25 x 25 x 6mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	2.23
AES03003003G304H+0600	G304	30 x 30 x 3mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	1.41
AES03003005G304H+0600	G304	30 x 30 x 5mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	2.33
AES04004003G304H+0600	G304	40 x 40 x 3mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	1.91
AES04004005G304H+0600	G304	40 x 40 x 5mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	3.17
AES04004006G304H+0600	G304	40 x 40 x 6mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	3.75
AES05005003G304H+0600	G304	50 x 50 x 3mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	2.40
AES05005005G304H+0600	G304	50 x 50 x 5mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	3.92
AES05005006G304H+0600	G304	50 x 50 x 6mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	4.65
AES06506505G304H+0600	G304	65 x 65 x 5mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	5.10
AES06506506G304H+0600	G304	65 x 65 x 6mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	6.14
AES06506508G304H+0600	G304	65 x 65 x 8mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	8.25
AES07507506G304H+0600	G304	75 x 75 x 6mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	7.30
AES07507508G304H+0600	G304	75 x 75 x 8mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	9.60
AES07507510G304H+0600	G304	75 x 75 x 10mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	11.83
AES10010006G304H+0600	G304	100 x 100 x 6mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	9.60
AES10010008G304H+0600	G304	100 x 100 x 8mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	12.66
AES10010010G304H+0600	G304	100 x 100 x 10mm	EQUAL ANGLE HRAP G304 ASTM A276/A484	15.65
G316				
AES02002003G316H+0600	G316	20 x 20 x 3mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	0.92
AES02502503G316H+0600	G316	25 x 25 x 3mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	1.16
AES02502505G316H+0600	G316	25 x 25 x 5mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	1.90
AES02502506G316H+0600	G316	25 x 25 x 6mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	2.23
AES03003003G316H+0600	G316	30 x 30 x 3mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	1.41
AES03003005G316H+0600	G316	30 x 30 x 5mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	2.33
AES04004003G316H+0600	G316	40 x 40 x 3mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	1.91
AES04004005G316H+0600	G316	40 x 40 x 5mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	3.17
AES04004006G316H+0600	G316	40 x 40 x 6mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	3.75
AES05005003G316H+0600	G316	50 x 50 x 3mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	2.40
AES05005005G316H+0600	G316	50 x 50 x 5mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	3.92
AES05005006G316H+0600	G316	50 x 50 x 6mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	4.65
AES05005008G316H+0600	G316	50 x 50 x 8mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	6.22
AES05005010G316H+0600	G316	50 x 50 x 10mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	7.60
AES06506505G316H+0600	G316	65 x 65 x 5mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	5.10
AES06506506G316H+0600	G316	65 x 65 x 6mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	6.14
AES07507506G316H+0600	G316	75 x 75 x 6mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	7.30
AES07507508G316H+0600	G316	75 x 75 x 8mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	9.60
AES07507510G316H+0600	G316	75 x 75 x 10mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	11.83
AES10010006G316H+0600	G316	100 x 100 x 6mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	9.60
AES10010008G316H+0600	G316	100 x 100 x 8mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	12.97
AES10010010G316H+0600	G316	100 x 100 x 10mm	EQUAL ANGLE HRAP G316 ASTM A276/A484	16.05

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

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

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	kg/m
AUS07505006G304H+0600	G304	75 x 50 x 6mm	UNEQUAL ANGLE HRAP G304 ASTM A276/A484	6.03
AUS07505006G316H+0600	G316	75 x 50 x 6mm	UNEQUAL ANGLE HRAP G316 ASTM A276/A484	6.03
AUS10005006G316H+0600	G316	100 x 50 x 6mm	UNEQUAL ANGLE HRAP G316 ASTM A276/A484	7.30
AUS10007509G316H+0600	G316	100 x 75 x 9mm	UNEQUAL ANGLE HRAP G316 ASTM A276/A484	12.62

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	kg/m
CHS0800405G304+0600	G304	80 x 45 x 5mm	CHANNEL HRAP G304 ASTM A276/A484	6.15
CHS1000506G304+0600	G304	100 x 50 x 6mm	CHANNEL HRAP G304 ASTM A276/A484	9.24
CHS1300656G304+0600	G304	130 x 65 x 6mm	CHANNEL HRAP G304 ASTM A276/A484	12.20
CHS1500756G304+0600	G304	150 x 75 x 6mm	CHANNEL HRAP G304 ASTM A276/A484	14.17
CHS20010010G304+0600	G304	200 x 100 x 10mm	CHANNEL HRAP G304 ASTM A276/A484	31.20
CHS0800405G316+0600	G316	80 x 40 x 5mm	CHANNEL HRAP G316 ASTM A276/A484	6.15
CHS1000505G316+0600	G316	100 x 50 x 5mm	CHANNEL HRAP G316 ASTM A276/A484	7.36
CHS1000506G316+0600	G316	100 x 50 x 6mm	CHANNEL HRAP G316 ASTM A276/A484	9.24
CHS1300656G316+0600	G316	130 x 65 x 6mm	CHANNEL HRAP G316 ASTM A276/A484	12.20
CHS1500756G316+0600	G316	150 x 75 x 6mm	CHANNEL HRAP G316 ASTM A276/A484	14.17
CHS20010010G316+0600	G316	200 x 100 x 10mm	CHANNEL HRAP G316 ASTM A276/A484	31.20

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

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

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!



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MIG Wire

For gas metal arc welding manufactured to AWS A5.9

Grades: 307, 308LSI, 309LSI, 316LSI, 253MA, 2101, 2209LSI, SAF2507

Unit of Supply: Each



WWSM

Product Code	Product Size (mm)	Description	Weight ea (kg)
G307			
WWSM100G30715KG	1.0mm	MIG WIRE G307MN - 18.8.MN	15.00
WWSM120G30715KG	1.2mm	MIG WIRE G307MN - 18.8.MN	15.00
G308L			
WWSM088G308L15KG	0.88mm	MIG WIRE G308LSI - 19.9.LSI	15.00
WWSM120G308L15KG	1.2mm	MIG WIRE G308LSI - 19.9.LSI	15.00
G309L			
WWSM089G309LSI15KG	0.889mm	MIG WIRE G309LSI - 24.13.LSI	15.00
WWSM120G309LSI15KG	1.2mm	MIG WIRE G309LSI - 24.13.LSI	15.00
G316L			
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
G2101			
WWSM100GLDX15KG	1.0mm	MIG WIRE G2101 - 23.37.L	15.00
G2209L			
WWSM089G220915KG	0.89mm	MIG WIRE G2209LSI - 22.8.3.LSI	15.00
WWSM100G220915KG	1.0mm	MIG WIRE G2209LSI - 22.8.3.LSI	15.00
WWSM120G220915KG	1.2mm	MIG WIRE G2209LSI - 22.8.3.LSI	15.00
G2507			
WWSM100G250715KG	1.0mm	MIG WIRE G2507 - 25.10.4.L	15.00
WWSM120G250715KG	1.2mm	MIG WIRE G2507 - 25.10.4.L	15.00
G253MA			
WWSM089G253MA15KG	0.889mm	MIG WIRE G253MA - 22.12.HT	15.00
WWSM120G253MA15KG	1.2mm	MIG WIRE G253MA - 22.12.HT	15.00

A demand for better productivity and lower production costs drives a trend within the welding industry towards the increased use of mechanised welding methods. This calls for automatic welding wire of higher quality, especially concerning feeding and welding properties. However, the development must not lead to impaired weld deposit, corrosion resistance or strength.

Achieving this delicate balance has been the challenge for global experts in steel melting, wire production and R&D. By mastering the micro metallurgy and the wire drawing techniques collated through production, a material with excellent and consistent properties from delivery to delivery – a prerequisite for improved productivity. All properties are thoroughly tested in thorough welding laboratories.



Other grades and sizes available on request

TIG Wire

For gas tungsten arc welding AWS A5.9

Grades: 308LSI, 309LSI, 312, 316LSI, 2209L, 2507, 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			
WWST120G309LSI+5KG	1.2mm	TIG WIRE G309LSI - 24.13.LSI	5.00
WWST160G309LSI+5KG	1.6mm	TIG WIRE G309LSI - 24.13.LSI	5.00
WWST240G309LSI+5KG	2.4mm	TIG WIRE G309LSI - 24.13.LSI	5.00
G312			
WWST240G312+5KG	2.4mm	TIG WIRE G312 - 29.9	5.00
G316L			
WWST089G316LSI+5KG	0.889mm	TIG WIRE G316LSI - 19.12.3.LSI	5.00
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			
WWST120G2209L+5KG	1.2mm	TIG WIRE G2209L - 22.8.3.L	5.00
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
G2507			
WWST160G2507+5KG	1.6mm	TIG WIRE G2507 - 25.10.4.L	5.00
WWST200G2507+5KG	2.0mm	TIG WIRE G2507 - 25.10.4.L	5.00
WWST240G2507+5KG	2.4mm	TIG WIRE G2507 - 25.10.4.L	5.00
WWST320G2507+5KG	3.2mm	TIG WIRE G2507 - 25.10.4.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, E312, E316L, 253MA/309HT, SAF2205, SAF2507

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
WWSE400G308L+5.4KG	4.0mm x 5.4KG PKT	ELECTRODES 308L - 19.9.LR	5.40
G309L			
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
G312			
WWSE250G312+1.6KG	2.5mm x 1.6KG PKT	ELECTRODES 312 - 29.9.R	1.60
G316L			
WWSE325G316L+4.3KG	3.25mm x 4.3KG PKT	ELECTRODES 316L - 19.12.3.LR	4.30
WWSE320G316L+4KG	3.2mm x 4.0KG PKT	ELECTRODES 316L - 19.12.3.LR	4.00
G253MA/309HT			
WWSE250G253MA+3.5KG	2.5mm x 3.5KG PKT	ELECTRODES 253MA/309HT - 22.12.HTR	3.50
WWSE320G253MA+4KG	3.2mm x 4.0KG PKT	ELECTRODES 253MA/309HT - 22.12.HTR	4.00
WWSE400G253MA+4KG	4.0mm x 4.0KG PKT	ELECTRODES 253MA/309HT - 22.12.HTR	4.00
G2205			
WWSE250G2205+1.7KG	2.5mm x 1.7KG PKT	ELECTRODES SAF2205 - 22.9.3.LR	1.70
WWSE320G2205+4.3KG	3.2mm x 4.3KG PKT	ELECTRODES SAF2205 - 22.9.3.LR	4.30
WWSE400G2205+4.3KG	4.0mm x 4.3KG PKT	ELECTRODES SAF2205 - 22.9.3.LR	4.30
G2507			
WWSE325G2507+4KG	3.25mm x 4KG PKT	ELECTRODES SAF2507 - 25.10.4.LR	4.00

Manual metal arc welding with covered electrodes (MMA) is an all-round welding method. Although it is comparatively slow, it is an important complement to modern welding processes. MMA is for instance often the best suited method for assembly and repair work and it is the only welding process that can be used outdoors without special weld protective measures.

Vulcan Stainless have available a range of covered electrodes, which are adapted to the parent metals. The easy-to-weld electrodes ensure that the required weld-metal properties are met. In tandem our large programme of rutile and basic electrodes covers most standard and special stainless steels and nickel alloys.



Other grades and sizes available on request

Submerged Arc Welding Wire

AWS A5.9 – subject to mill lead time

Grades: 308L, 316L, 2209L, 2507

Unit of Supply: Each



WWSS

Product Code	Product Size (mm)	Description	Weight ea (kg)
G308L			
WWSS240G308L28KG	2.0mm - 28.0KG	SUB ARC WIRE G308L - 19.9.L	28.00
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			
WWSS200G220928KG	2.0mm - 28.0KG	SUB ARC WIRE G2209 - 22.8.3.L	28.00
WWSS240G220928KG	2.4mm - 28.0KG	SUB ARC WIRE G2209 - 22.8.3.L	28.00
WWSS320G220928KG	3.2mm - 28.0KG	SUB ARC WIRE G2209 - 22.8.3.L	28.00
G2507			
WWSS240G250728KG	2.4mm - 28.0KG	SUB ARC WIRE G2507 - 25.10.4.L	28.00

Flux Cored Wire

For gas covered, flux cored arc welding

AWS A5.22 ASME SFA 5.22

Grades: 309LVT, 316LVT, 2209LT

Unit of Supply: Each

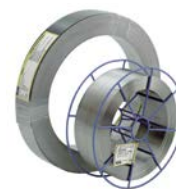


WWSF

Product Code	Product Size (mm)	Description	Weight ea (kg)
G308LVT			
WWSF120G308LVT+15KG	1.2mm x 15.0KG SPOOL	FLUX CORE WIRE 308LVT - 24.13.LT	15.00
G309LT			
WWSF120G309LVT+15KG	1.2mm x 15.0KG SPOOL	FLUX CORE WIRE 309LT - 24.13.LT	15.00
G316LVT			
WWSF120G316LVT+15KG	1.2mm x 15.0KG SPOOL	FLUX CORE WIRE 316LVT - 19.12.3.LVT	15.00
G2209LT			
WWSF120G2209LT+15KG	1.2mm x 15.0KG SPOOL	FLUX CORE WIRE 2209LT - 22.9.3.LT	15.00

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.

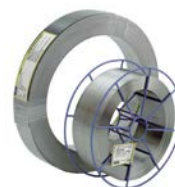
	Carbon	Chrome	ASTM	ASTM	ASTM	ASTM	Sandvik	Sandvik
	Steel	Moly	301/302	316/316L	321	310	253MA	2RK65
			304/304L	316Ti	347	310S	(309 HT)*	
Carbon Steel	E4113							
Chrome Moly	E4818	E8018						
ASTM 301/302	309L	309L	308LSi					
ASTM 304/304L	309LSi	309LSi	308LSi					
ASTM 316/316L	309LSi	309LSi	316LSi	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			
Sandvik 253 MA	309LSi	309LSi	253MA	253MA	253MA	253MA	253MA	
(309 HT)*	309LSi	309LSi	347	309LSi	347	310	309LSi	
Sandvik 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
Sandvik SAF 2304	SAF 2205	SAF 2205	SAF 2205	SAF 2205	SAF 2205	SAF 2205	SAF 2205	SAF 2205
Sandvik SAF 2205	309LSi	309LSi	309LSi	309LSi	309LSi	309LSi	309LSi	SAF 2205
Sandvik Sanicro 28	San 72	San 72	San 72	San 72	San 72	San 72	San 72	San 28
Sandvik 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
Sandvik 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 (continued)



	LDX 2101	Sandvik SAF 2304 SAF 2205	Sandvik Sanicro 28	Sandvik Sanicro 60	Ni-Cr-Fe Alloys	ASTM 444	Sandvik 5CR12	9% Nickel
Carbon Steel								
Chrome Moly								
ASTM 301/302								
ASTM 304/304L								
ASTM 316/316L								
ASTM 316Ti								
ASTM 321/347								
ASTM 310/310S								
Sandvik 253 MA								
Sandvik 2RK65								
LDX 2101	23.7.L	23.7.L						
Sandvik SAF 2304		SAF 2205						
Sandvik SAF 2205								
Sandvik Sanicro 28		San 28	San 28					
Sandvik Sanicro 60	San 60	San 60	San 60	San 60	San 60			
Ni-Cr-Fe Alloys		San 72	San 72		San 72			
			San 28					
ASTM 444		309LSi SAF 2205	San 28		San 72	309LSi 316LSi		
Sandvik 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
	321/347	1.4541/1.4550
	316L	1.4435
	"316Ti"/318	1.4571/-
	S30815	1.4835
	S35315	1.4854
	LDX2101	1.4162
	S31803	1.4462
	S32304	1.4362
	S32750	1.4410
	S32906	-
	N08028	1.4563
	N08904	1.4539
	S31254	1.4547
	Alloy 600 ^c	-
18/8	321/347	1.4541/1.4550
	304L	1.4435
	1.4306	"316Ti"/318
	3R12	1.4571/-
	S30815	1.4835
	S35315	1.4854
	S31803	1.4462
	S32304	1.4362
	S32750	1.4410
	S32906	-
	N08028	1.4563
	N08904	1.4539
	S31254	1.4547
	Alloy 600 ^c	-
	Alloy 600 ^c	-
18/8/Ti or Nb	316L	1.4435
	321/347	"316Ti"/318
	1.4541/1.4550	1.4571/-
	6R35/8R40	S30815
	S35315	1.4835
	S31803	1.4462
	S32304	1.4362
	S32750	1.4410
	S32906	-
	N08028	1.4563
	N08904	1.4539
	S31254	1.4547
	Alloy 600 ^c	-
	Alloy 600 ^c	-
	Alloy 600 ^c	-
18/12/Mo	"316Ti"/318	1.4571/-
	316L	S30815
	1.4435	S35315
	3R60	S31803
	S32304	1.4462
	S32750	1.4362
	S32906	1.4410
	N08028	-
	N08904	1.4563
	S31254	1.4539
	Alloy 600 ^c	1.4547
	Alloy 600 ^c	-
	Alloy 600 ^c	-
	Alloy 600 ^c	-
	Alloy 600 ^c	-

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
	S35315	1.4854
	"316Ti"/318	S31803
	1.4571/-	S32304
	5R75	S32750
	S32906	-
	N08028	1.4563
	N08904	1.4539
	S31254	1.4547
	S32750	1.4410
	S32906	-
	N08028	1.4563
	N08904	1.4539
	S31254	1.4547
	Alloy 600 ^c	-
Duplex	S32750	1.4410
	S32906	-
	N08028	1.4563
	N08904	1.4539
	S31254	1.4547
	Alloy 600 ^c	-
	S32750	1.4410
	S32906	-
	N08028	1.4563
	N08904	1.4539
	S31254	1.4547
	Alloy 600 ^c	-
	S32750	1.4410
	S32906	-
	N08028	1.4563
Superduplex	N08028	1.4563
	N08904	1.4539
	S31254	1.4547
	Alloy 600 ^c	-
	S32750	1.4410
	S32906	-
	N08028	1.4563
	N08904	1.4539
	S31254	1.4547
	Alloy 600 ^c	-
	S32750	1.4410
	S32906	-
	N08028	1.4563
	N08904	1.4539
	S31254	1.4547
20/25/5	N08028	1.4563
	N08904	1.4539
	S31254	1.4547
	Alloy 600 ^c	-
	2RK65	-
	N08028	1.4563
	S31254	1.4539
	Alloy 600 ^c	-
	254 SMO	-
	27/31/4	Alloy 600 ^c
	N08028	-
	1.4563	-
	Sanicro 28	-
	Alloy 600 ^c	-
	Alloy 600 ^c	-
	Alloy 600 ^c	-

- 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)% O₂

f Higher fluidity of the molten pool than with Ar. Better short-arc welding properties than with Ar + (1-3)% CO₂ 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.





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Vulcan Product Divisions



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Plate



Stainless



Coil



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