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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.

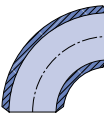
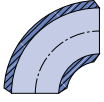
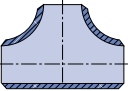
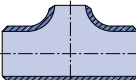
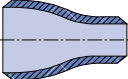
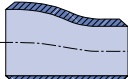
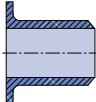
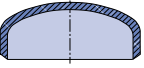
Special Grades according to ASTM A815 in grades SAF2205 / UNS S31803, SAF2507 / UNS S32750, ANSI B16.9, annealed and quenched, bevelled ends to ANSI B16.25, hardness to NACE MR0175 / ISO 15156, IC to ASTM A262E (G48A for SAF 2507) and PMI tested. With certificate to EN 10204/3.1.

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)


FPTF

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



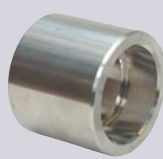
FPSE

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

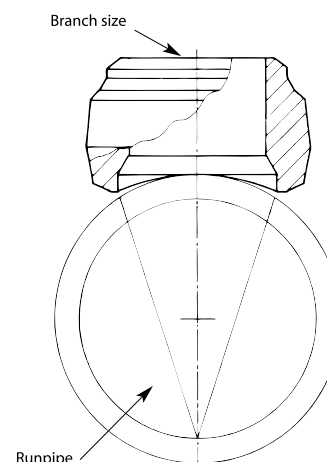
Rating: 3000LB

Unit of Supply: Each

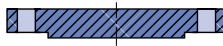
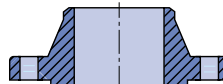
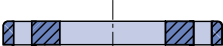
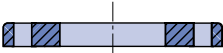

FPSUN

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
PPFSO150NBG316LTDPN16	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

