

Low Pressure CLASS 150# FITTINGS



Dimension Specifications

NPT Threads conform to ASME B1.20.1

BSPT Threads conform to ISO 7-1, DIN2999, BS21

Material Specifications:

ASTM A351 CF8M, SS316

Threaded End

NPT, BSPT



Class 150# Fittings

Chemical Composition

ASTM A351 CF8M, SS316 Chemical Composition in %								
	C	Mn	P	S	Si	Ni	Cr	Mo
Min.						9.0	18.0	2.00
Max.	0.080	1.500	0.040	0.040	1.500	12.0	21.0	3.00

Mechanical Properties of the Fittings at room temperature

SS316/SS316L	Tensile Strength R_m (N/mm ²)	Upper Yield Point R_{eH} (N/mm ²) min.	Elongation at rupture A_5 (%) min.	Hardness Test (HRB)
Min.	485	205	30	
Max.				80

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Ordering Information

FL	-	S	-	L90	-	N	-	150	-	02
I		II		III		IV		V		VI

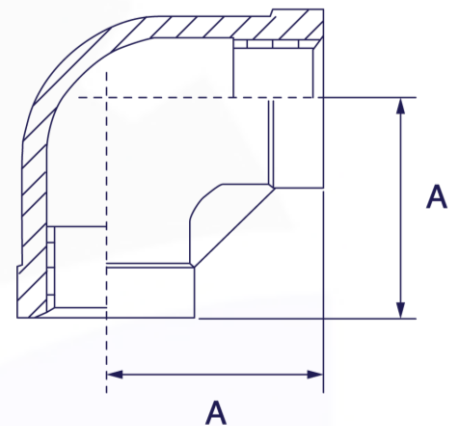
I	Type of Item		
FL	Low Pressure Fittings		
II	Material Grade		
S	SS316, CF8M		
III	Item		
BH	Hex Bush	CF	Full Coupling
L90	90D Elbow	CR	Reducing Coupling
L45	45D Elbow	CH	Half Coupling
T	Tee	LS90	90D Street Elbow
TR	Reducing Tee	LS45	45D Street Elbow
NH	Hex Nipple	PH	Hex Plug
NHR	Reducing Hex Nipple	UC	Union F/F Conical
CR	Round Cap		
IV	Connection Type		
R	BSPT		
N	NPT		
V	Pressure		
150	150 PSI		

For Inch OD & Inch NB Sizes

VI	Size						
Size	1/8"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
Code	02	04	05	06	08	10	12
Size	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Code	16	20	24	32	40	48	64

90D ELBOW (BSPT THREADED)

Size	Part No.	Impa Code	A	Weight (Kg)
1/8"	FL-S-L90-R-150-02	73 25 01	14.0	0.0202
1/4"	FL-S-L90-R-150-04	73 25 02	18.5	0.0320
3/8"	FL-S-L90-R-150-06	73 25 03	20.8	0.0476
1/2"	FL-S-L90-R-150-08	73 25 04	25.0	0.0730
3/4"	FL-S-L90-R-150-12	73 25 05	27.5	0.1104
1"	FL-S-L90-R-150-16	73 25 06	33.0	0.1876
1 1/4"	FL-S-L90-R-150-20	73 25 07	39.5	0.3068
1 1/2"	FL-S-L90-R-150-24	73 25 08	43.0	0.3928
2"	FL-S-L90-R-150-32	73 25 09	52.0	0.6268
2 1/2"	FL-S-L90-R-150-40	-	61.0	1.3330
3"	FL-S-L90-R-150-48	-	70.5	1.5600
4"	FL-S-L90-R-150-64	-	89.0	2.9000



90D ELBOW (NPT THREADED)

Size	Part No.	Impa Code	A	Weight (Kg)
1/8"	FL-S-L90-N-150-02	-	14.0	0.0202
1/4"	FL-S-L90-N-150-04	-	18.5	0.0320
3/8"	FL-S-L90-N-150-06	-	20.8	0.0476
1/2"	FL-S-L90-N-150-08	-	25.0	0.0730
3/4"	FL-S-L90-N-150-12	-	27.5	0.1104
1"	FL-S-L90-N-150-16	-	33.0	0.1876
1 1/4"	FL-S-L90-N-150-20	-	39.5	0.3068
1 1/2"	FL-S-L90-N-150-24	-	43.0	0.3928
2"	FL-S-L90-N-150-32	-	52.0	0.6268
2 1/2"	FL-S-L90-N-150-40	-	61.0	1.3330
3"	FL-S-L90-N-150-48	-	70.5	1.5600
4"	FL-S-L90-N-150-64	-	89.0	2.9000

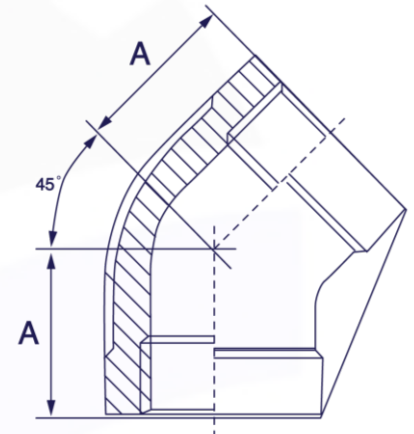
45D ELBOW (BSPT THREADED)

Size	Part No.	Impa Code	A	Weight (Kg)
1/8"	FL-S-L45-R-150-02	-	12.0	0.0360
1/4"	FL-S-L45-R-150-04	-	15.5	0.0500
3/8"	FL-S-L45-R-150-06	-	17.0	0.0870
1/2"	FL-S-L45-R-150-08	-	19.0	0.1180
3/4"	FL-S-L45-R-150-12	-	21.5	0.1470
1"	FL-S-L45-R-150-16	-	25.0	0.2460
1 1/4"	FL-S-L45-R-150-20	-	28.5	0.3470
1 1/2"	FL-S-L45-R-150-24	-	31.0	0.4160
2"	FL-S-L45-R-150-32	-	36.0	0.6730
2 1/2"	FL-S-L45-R-150-40	-	54.5	0.9180
3"	FL-S-L45-R-150-48	-	63.0	1.1540
4"	FL-S-L45-R-150-64	-	79.5	1.9930



45D ELBOW (NPT THREADED)

Size	Part No.	Impa Code	A	Weight (Kg)
1/8"	FL-S-L45-N-150-02	-	12.0	0.0360
1/4"	FL-S-L45-N-150-04	-	15.5	0.0500
3/8"	FL-S-L45-N-150-06	-	17.0	0.0870
1/2"	FL-S-L45-N-150-08	-	19.0	0.1180
3/4"	FL-S-L45-N-150-12	-	21.5	0.1470
1"	FL-S-L45-N-150-16	-	25.0	0.2460
1 1/4"	FL-S-L45-N-150-20	-	28.5	0.3470
1 1/2"	FL-S-L45-N-150-24	-	31.0	0.4160
2"	FL-S-L45-N-150-32	-	36.0	0.6730
2 1/2"	FL-S-L45-N-150-40	-	54.5	0.9180
3"	FL-S-L45-N-150-48	-	63.0	1.1540
4"	FL-S-L45-N-150-64	-	79.5	1.9930



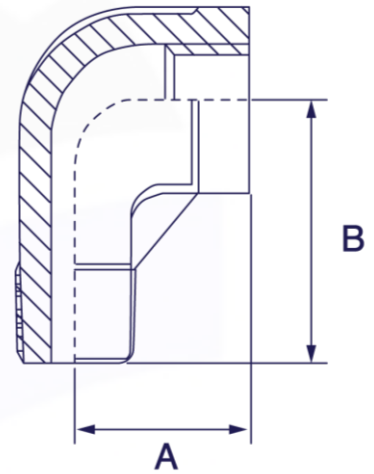
90D STREET ELBOW (BSPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-LS90-R-150-02	-	15.4	23.0	0.0260
1/4"	FL-S-LS90-R-150-04	-	17.6	27.0	0.0400
3/8"	FL-S-LS90-R-150-06	-	20.5	30.0	0.0730
1/2"	FL-S-LS90-R-150-08	-	20.5	30.0	0.0940
3/4"	FL-S-LS90-R-150-12	-	24.0	34.5	0.1670
1"	FL-S-LS90-R-150-16	-	30.0	39.5	0.2310
1 1/4"	FL-S-LS90-R-150-20	-	35.5	46.5	0.4290
1 1/2"	FL-S-LS90-R-150-24	-	38.5	49.5	0.4730
2"	FL-S-LS90-R-150-32	-	48.0	60.5	0.7600
2 1/2"	FL-S-LS90-R-150-40	-	62.5	87.0	1.2860
3"	FL-S-LS90-R-150-48	-	79.3	106.5	1.9250
4"	FL-S-LS90-R-150-64	-	100.5	126.3	3.1000



90D STREET ELBOW (NPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-LS90-N-150-02	-	15.4	23.0	0.0260
1/4"	FL-S-LS90-N-150-04	-	17.6	27.0	0.0400
3/8"	FL-S-LS90-N-150-06	-	20.5	30.0	0.0730
1/2"	FL-S-LS90-N-150-08	-	20.5	30.0	0.0940
3/4"	FL-S-LS90-N-150-12	-	24.0	34.5	0.1670
1"	FL-S-LS90-N-150-16	-	30.0	39.5	0.2310
1 1/4"	FL-S-LS90-N-150-20	-	35.5	46.5	0.4290
1 1/2"	FL-S-LS90-N-150-24	-	38.5	49.5	0.4730
2"	FL-S-LS90-N-150-32	-	48.0	60.5	0.7600
2 1/2"	FL-S-LS90-N-150-40	-	62.5	87.0	1.2860
3"	FL-S-LS90-N-150-48	-	79.3	106.5	1.9250
4"	FL-S-LS90-N-150-64	-	100.5	126.3	3.1000



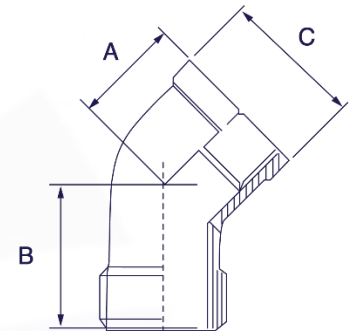
45D STREET ELBOW (BSPT THREADED)

Size	Part No.	Impa Code	A	B	C	Weight (Kg)
1/8"	FL-S-LS45-R-150-02	-	15.0	15.4	23.0	
1/4"	FL-S-LS45-R-150-04	-	17.0	17.6	27.0	
3/8"	FL-S-LS45-R-150-06	-	19.0	20.5	30.0	
1/2"	FL-S-LS45-R-150-08	-	21.0	20.5	30.0	
3/4"	FL-S-LS45-R-150-12	-	24.0	24.0	34.5	
1"	FL-S-LS45-R-150-16	-	29.0	30.0	39.5	
1 1/4"	FL-S-LS45-R-150-20	-	31.0	35.5	46.5	
1 1/2"	FL-S-LS45-R-150-24	-	35.0	38.5	49.5	
2"	FL-S-LS45-R-150-32	-	41.0	48.0	60.5	



45D STREET ELBOW (NPT THREADED)

Size	Part No.	Impa Code	A	B	C	Weight (Kg)
1/8"	FL-S-LS45-N-150-02	-	15.0	15.4	23.0	
1/4"	FL-S-LS45-N-150-04	-	17.0	17.6	27.0	
3/8"	FL-S-LS45-N-150-06	-	19.0	20.5	30.0	
1/2"	FL-S-LS45-N-150-08	-	21.0	20.5	30.0	
3/4"	FL-S-LS45-N-150-12	-	24.0	24.0	34.5	
1"	FL-S-LS45-N-150-16	-	29.0	30.0	39.5	
1 1/4"	FL-S-LS45-N-150-20	-	31.0	35.5	46.5	
1 1/2"	FL-S-LS45-N-150-24	-	35.0	38.5	49.5	
2"	FL-S-LS45-N-150-32	-	41.0	48.0	60.5	



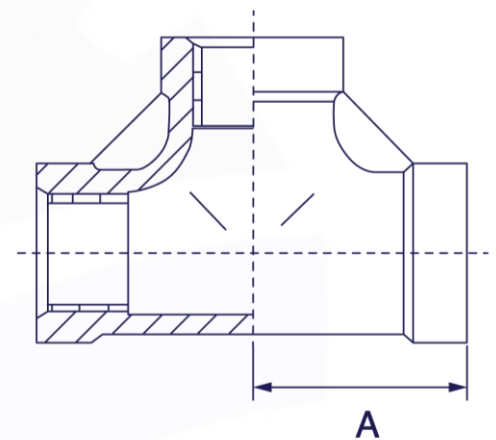
TEE (BSPT THREADED)

Size	Part No.	Impa Code	A	Weight (Kg)
1/8"	FL-S-T-R-150-02	73 25 21	14.0	0.0266
1/4"	FL-S-T-R-150-04	73 25 22	18.5	0.0447
3/8"	FL-S-T-R-150-06	73 25 23	20.8	0.0640
1/2"	FL-S-T-R-150-08	73 25 24	25.0	0.1029
3/4"	FL-S-T-R-150-12	73 25 25	27.5	0.1492
1"	FL-S-T-R-150-16	73 25 26	33.0	0.2545
1 1/4"	FL-S-T-R-150-20	73 25 27	39.5	0.4222
1 1/2"	FL-S-T-R-150-24	73 25 28	43.0	0.5346
2"	FL-S-T-R-150-32	73 25 29	52.0	0.8611
2 1/2"	FL-S-T-R-150-40	-	61.0	1.7416
3"	FL-S-T-R-150-48	-	70.5	2.0460
4"	FL-S-T-R-150-64	-	89.0	3.6429



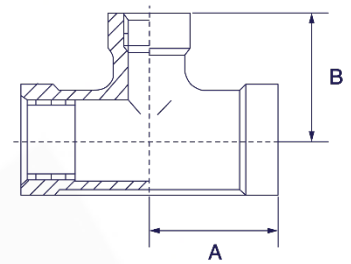
TEE (NPT THREADED)

Size	Part No.	Impa Code	A	Weight (Kg)
1/8"	FL-S-T-N-150-02	-	14.0	0.0266
1/4"	FL-S-T-N-150-04	-	18.5	0.0447
3/8"	FL-S-T-N-150-06	-	20.8	0.0640
1/2"	FL-S-T-N-150-08	-	25.0	0.1029
3/4"	FL-S-T-N-150-12	-	27.5	0.1492
1"	FL-S-T-N-150-16	-	33.0	0.2545
1 1/4"	FL-S-T-N-150-20	-	39.5	0.4222
1 1/2"	FL-S-T-N-150-24	-	43.0	0.5346
2"	FL-S-T-N-150-32	-	52.0	0.8611
2 1/2"	FL-S-T-N-150-40	-	61.0	1.7416
3"	FL-S-T-N-150-48	-	70.5	2.0460
4"	FL-S-T-N-150-64	-	89.0	3.6429



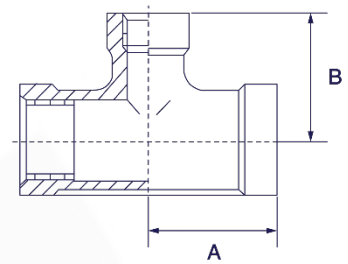
REDUCING TEE (BSPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/4" x 1/8"	FL-S-TR-R-150-04-02	-	17.2	15.3	-
3/8" x 1/8"	FL-S-TR-R-150-06-02	-	17.8	17.0	0.0630
3/8" x 1/4"	FL-S-TR-R-150-06-04	-	19.1	20.2	0.0630
1/2" x 1/4"	FL-S-TR-R-150-08-04	-	19.0	21.5	0.1380
1/2" x 3/8"	FL-S-TR-R-150-08-06	-	20.5	21.9	0.1380
3/4" x 3/8"	FL-S-TR-R-150-12-06	-	21.5	24.6	0.2018
3/4" x 1/2"	FL-S-TR-R-150-12-08	-	24.0	27.7	0.2018
1" x 3/8"	FL-S-TR-R-150-16-06	-	23.0	28.0	0.2929
1" x 1/2"	FL-S-TR-R-150-16-08	-	26.0	31.1	0.2929
1" x 3/4"	FL-S-TR-R-150-16-12	-	29.0	32.1	0.2929
1 1/4" x 1/2"	FL-S-TR-R-150-20-08	-	28.5	34.5	0.5520
1 1/4" x 3/4"	FL-S-TR-R-150-20-12	-	31.0	36.5	0.5520
1 1/4" x 1"	FL-S-TR-R-150-20-16	-	34.5	39.0	0.5520
1 1/2" x 1/2"	FL-S-TR-R-150-24-08	-	29.0	38.4	0.7450
1 1/2" x 3/4"	FL-S-TR-R-150-24-12	-	31.5	39.4	0.7450
1 1/2" x 1"	FL-S-TR-R-150-24-16	-	35.0	41.9	0.7450
1 1/2" x 1 1/4"	FL-S-TR-R-150-24-20	-	39.5	44.4	0.7450
2" x 1/2"	FL-S-TR-R-150-32-08	-	33.0	44.3	0.9850
2" x 3/4"	FL-S-TR-R-150-32-12	-	35.5	45.3	0.9850
2" x 1"	FL-S-TR-R-150-32-16	-	39.0	47.8	0.9850
2" x 1 1/4"	FL-S-TR-R-150-32-20	-	43.5	50.3	0.9850
2" x 1 1/2"	FL-S-TR-R-150-32-24	-	46.5	50.3	0.9850



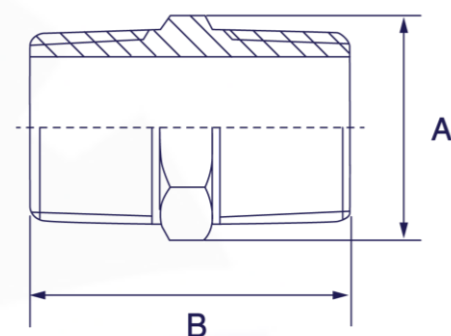
REDUCING TEE (NPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/4" x 1/8"	FL-S-TR-N-150-04-02	-	17.2	15.3	
3/8" x 1/8"	FL-S-TR-N-150-06-02	-	17.8	17.0	0.0630
3/8" x 1/4"	FL-S-TR-N-150-06-04	-	19.1	20.2	0.0630
1/2" x 1/4"	FL-S-TR-N-150-08-04	-	19.0	21.5	0.1380
1/2" x 3/8"	FL-S-TR-N-150-08-06	-	20.5	21.9	0.1380
3/4" x 3/8"	FL-S-TR-N-150-12-06	-	21.5	24.6	0.2018
3/4" x 1/2"	FL-S-TR-N-150-12-08	-	24.0	27.7	0.2018
1" x 3/8"	FL-S-TR-N-150-16-06	-	23.0	28.0	0.2929
1" x 1/2"	FL-S-TR-N-150-16-08	-	26.0	31.1	0.2929
1" x 3/4"	FL-S-TR-N-150-16-12	-	29.0	32.1	0.2929
1 1/4" x 1/2"	FL-S-TR-N-150-20-08	-	28.5	34.5	0.5520
1 1/4" x 3/4"	FL-S-TR-N-150-20-12	-	31.0	36.5	0.5520
1 1/4" x 1"	FL-S-TR-N-150-20-16	-	34.5	39.0	0.5520
1 1/2" x 1/2"	FL-S-TR-N-150-24-08	-	29.0	38.4	0.7450
1 1/2" x 3/4"	FL-S-TR-N-150-24-12	-	31.5	39.4	0.7450
1 1/2" x 1"	FL-S-TR-N-150-24-16	-	35.0	41.9	0.7450
1 1/2" x 1 1/4"	FL-S-TR-N-150-24-20	-	39.5	44.4	0.7450
2" x 1/2"	FL-S-TR-N-150-32-08	-	33.0	44.3	0.9850
2" x 3/4"	FL-S-TR-N-150-32-12	-	35.5	45.3	0.9850
2" x 1"	FL-S-TR-N-150-32-16	-	39.0	47.8	0.9850
2" x 1 1/4"	FL-S-TR-N-150-32-20	-	43.5	50.3	0.9850
2" x 1 1/2"	FL-S-TR-N-150-32-24	-	46.5	50.3	0.9850



HEX NIPPLE (BSPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-NH-R-150-02	73 25 46	12.0	29.5	0.0163
1/4"	FL-S-NH-R-150-04	73 25 47	14.0	26.0	0.0310
3/8"	FL-S-NH-R-150-06	73 25 48	18.0	28.0	0.0418
1/2"	FL-S-NH-R-150-08	73 25 49	22.0	33.5	0.0615
3/4"	FL-S-NH-R-150-12	73 25 50	28.0	38.0	0.0912
1"	FL-S-NH-R-150-16	73 25 51	35.0	41.5	0.1468
1 1/4"	FL-S-NH-R-150-20	73 25 52	44.0	47.5	0.2050
1 1/2"	FL-S-NH-R-150-24	73 25 53	50.0	47.5	0.2706
2"	FL-S-NH-R-150-32	73 25 54	62.0	55.0	0.4360
2 1/2"	FL-S-NH-R-150-40	-	78.0	67.0	0.8210
3"	FL-S-NH-R-150-48	-	91.0	75.0	1.0813
4"	FL-S-NH-R-150-64	-	116.0	81.0	1.5380

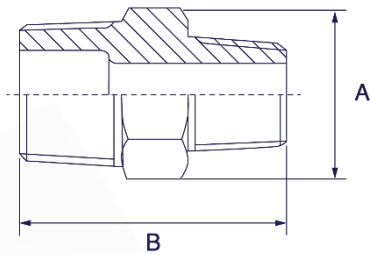


HEX NIPPLE (NPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-NH-N-150-02	-	12.0	29.5	0.0163
1/4"	FL-S-NH-N-150-04	-	14.0	26.0	0.0310
3/8"	FL-S-NH-N-150-06	-	18.0	28.0	0.0418
1/2"	FL-S-NH-N-150-08	-	22.0	33.5	0.0615
3/4"	FL-S-NH-N-150-12	-	28.0	38.0	0.0912
1"	FL-S-NH-N-150-16	-	35.0	41.5	0.1468
1 1/4"	FL-S-NH-N-150-20	-	44.0	47.5	0.2050
1 1/2"	FL-S-NH-N-150-24	-	50.0	47.5	0.2706
2"	FL-S-NH-N-150-32	-	62.0	55.0	0.4360
2 1/2"	FL-S-NH-N-150-40	-	78.0	67.0	0.8210
3"	FL-S-NH-N-150-48	-	91.0	75.0	1.0813
4"	FL-S-NH-N-150-64	-	116.0	81.0	1.5380

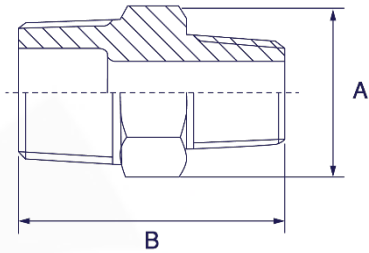
REDUCING HEX NIPPLE (BSPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/4" x 1/8"	FL-S-NR-R-150-04-02	-	14.5	22.5	0.0184
3/8" x 1/8"	FL-S-NR-R-150-06-02	-	18.0	24.0	0.0407
3/8" x 1/4"	FL-S-NR-R-150-06-04	-	18.0	26.5	0.0407
1/2" x 1/8"	FL-S-NR-R-150-08-02	-	21.4	27.5	0.0585
1/2" x 1/4"	FL-S-NR-R-150-08-04	-	21.4	30.0	0.0585
1/2" x 3/8"	FL-S-NR-R-150-08-06	-	21.4	30.5	0.0585
3/4" x 1/8"	FL-S-NR-R-150-12-02	-	27.0	29.0	0.0881
3/4" x 1/4"	FL-S-NR-R-150-12-04	-	27.0	31.5	0.0881
3/4" x 3/8"	FL-S-NR-R-150-12-06	-	27.0	32.0	0.0881
3/4" x 1/2"	FL-S-NR-R-150-12-08	-	27.0	35.5	0.0881
1" x 1/8"	FL-S-NR-R-150-16-02	-	34.0	32.0	0.1490
1" x 1/4"	FL-S-NR-R-150-16-04	-	34.0	34.5	0.1490
1" x 3/8"	FL-S-NR-R-150-16-06	-	34.0	35.0	0.1490
1" x 1/2"	FL-S-NR-R-150-16-08	-	34.0	38.5	0.1490
1" x 3/4"	FL-S-NR-R-150-16-12	-	34.0	39.5	0.1490
1 1/4" x 1/4"	FL-S-NR-R-150-20-04	-	42.7	37.5	0.2358
1 1/4" x 3/8"	FL-S-NR-R-150-20-06	-	42.7	38.0	0.2358
1 1/4" x 1/2"	FL-S-NR-R-150-20-08	-	42.7	41.5	0.2358
1 1/4" x 3/4"	FL-S-NR-R-150-20-12	-	42.7	42.5	0.2358
1 1/4" x 1"	FL-S-NR-R-150-20-16	-	42.7	45.0	0.2358
1 1/2" x 3/8"	FL-S-NR-R-150-24-06	-	48.6	38.0	0.3066
1 1/2" x 1/2"	FL-S-NR-R-150-24-08	-	48.6	41.5	0.3066
1 1/2" x 3/4"	FL-S-NR-R-150-24-12	-	48.6	42.5	0.3066
1 1/2" x 1"	FL-S-NR-R-150-24-16	-	48.6	45.0	0.3066
1 1/2" x 1 1/4"	FL-S-NR-R-150-24-20	-	48.6	47.5	0.3066
2" x 1/2"	FL-S-NR-R-150-32-08	-	60.5	45.5	0.4308
2" x 3/4"	FL-S-NR-R-150-32-12	-	60.5	46.5	0.4308
2" x 1"	FL-S-NR-R-150-32-16	-	60.5	49.0	0.4308
2" x 1 1/4"	FL-S-NR-R-150-32-20	-	60.5	51.5	0.4308
2" x 1 1/2"	FL-S-NR-R-150-32-24	-	60.5	51.5	0.4308
2 1/2" x 1"	FL-S-NR-R-150-40-16	-	78.0	52.0	0.7000
2 1/2" x 1 1/4"	FL-S-NR-R-150-40-20	-	78.0	54.5	0.7300
2 1/2" x 1 1/2"	FL-S-NR-R-150-40-24	-	78.0	54.5	0.7390
2 1/2" x 2"	FL-S-NR-R-150-40-32	-	78.0	59.0	0.9340
3" x 1 1/4"	FL-S-NR-R-150-48-20	-	91.0	58.0	1.0160
3" x 1 1/2"	FL-S-NR-R-150-48-24	-	91.0	58.0	1.0880
3" x 2"	FL-S-NR-R-150-48-32	-	91.0	62.5	1.0690
3" x 2 1/2"	FL-S-NR-R-150-48-40	-	91.0	62.5	1.3810
4" x 1 1/2"	FL-S-NR-R-150-64-24	-	116.0	64.5	1.7540
4" x 2"	FL-S-NR-R-150-64-32	-	116.0	69.0	1.7540
4" x 2 1/2"	FL-S-NR-R-150-64-40	-	116.0	71.0	1.7500
4" x 3"	FL-S-NR-R-150-64-48	-	116.0	74.0	2.2000



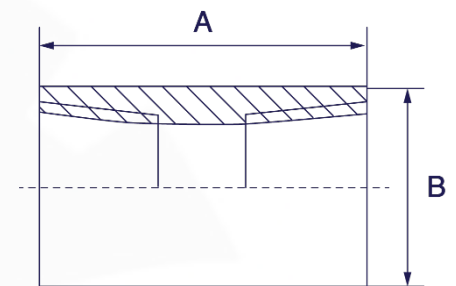
REDUCING HEX NIPPLE (NPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/4" x 1/8"	FL-S-NR-N-150-04-02	-	14.5	22.5	0.0184
3/8" x 1/8"	FL-S-NR-N-150-06-02	-	18.0	24.0	0.0407
3/8" x 1/4"	FL-S-NR-N-150-06-04	-	18.0	26.5	0.0407
1/2" x 1/8"	FL-S-NR-N-150-08-02	-	21.4	27.5	0.0585
1/2" x 1/4"	FL-S-NR-N-150-08-04	-	21.4	30.0	0.0585
1/2" x 3/8"	FL-S-NR-N-150-08-06	-	21.4	30.5	0.0585
3/4" x 1/8"	FL-S-NR-N-150-12-02	-	27.0	29.0	0.0881
3/4" x 1/4"	FL-S-NR-N-150-12-04	-	27.0	31.5	0.0881
3/4" x 3/8"	FL-S-NR-N-150-12-06	-	27.0	32.0	0.0881
3/4" x 1/2"	FL-S-NR-N-150-12-08	-	27.0	35.5	0.0881
1" x 1/8"	FL-S-NR-N-150-16-02	-	34.0	32.0	0.1490
1" x 1/4"	FL-S-NR-N-150-16-04	-	34.0	34.5	0.1490
1" x 3/8"	FL-S-NR-N-150-16-06	-	34.0	35.0	0.1490
1" x 1/2"	FL-S-NR-N-150-16-08	-	34.0	38.5	0.1490
1" x 3/4"	FL-S-NR-N-150-16-12	-	34.0	39.5	0.1490
1 1/4" x 1/4"	FL-S-NR-N-150-20-04	-	42.7	37.5	0.2358
1 1/4" x 3/8"	FL-S-NR-N-150-20-06	-	42.7	38.0	0.2358
1 1/4" x 1/2"	FL-S-NR-N-150-20-08	-	42.7	41.5	0.2358
1 1/4" x 3/4"	FL-S-NR-N-150-20-12	-	42.7	42.5	0.2358
1 1/4" x 1"	FL-S-NR-N-150-20-16	-	42.7	45.0	0.2358
1 1/2" x 3/8"	FL-S-NR-N-150-24-06	-	48.6	38.0	0.3066
1 1/2" x 1/2"	FL-S-NR-N-150-24-08	-	48.6	41.5	0.3066
1 1/2" x 3/4"	FL-S-NR-N-150-24-12	-	48.6	42.5	0.3066
1 1/2" x 1"	FL-S-NR-N-150-24-16	-	48.6	45.0	0.3066
1 1/2" x 1 1/4"	FL-S-NR-N-150-24-20	-	48.6	47.5	0.3066
2" x 1/2"	FL-S-NR-N-150-32-08	-	60.5	45.5	0.4308
2" x 3/4"	FL-S-NR-N-150-32-12	-	60.5	46.5	0.4308
2" x 1"	FL-S-NR-N-150-32-16	-	60.5	49.0	0.4308
2" x 1 1/4"	FL-S-NR-N-150-32-20	-	60.5	51.5	0.4308
2" x 1 1/2"	FL-S-NR-N-150-32-24	-	60.5	51.5	0.4308
2 1/2" x 1"	FL-S-NR-N-150-40-16	-	78.0	52.0	0.7000
2 1/2" x 1 1/4"	FL-S-NR-N-150-40-20	-	78.0	54.5	0.7300
2 1/2" x 1 1/2"	FL-S-NR-N-150-40-24	-	78.0	54.5	0.7390
2 1/2" x 2"	FL-S-NR-N-150-40-32	-	78.0	59.0	0.9340
3" x 1 1/4"	FL-S-NR-N-150-48-20	-	91.0	58.0	1.0160
3" x 1 1/2"	FL-S-NR-N-150-48-24	-	91.0	58.0	1.0880
3" x 2"	FL-S-NR-N-150-48-32	-	91.0	62.5	1.0690
3" x 2 1/2"	FL-S-NR-N-150-48-40	-	91.0	62.5	1.3810
4" x 1 1/2"	FL-S-NR-N-150-64-24	-	116.0	64.5	1.7540
4" x 2"	FL-S-NR-N-150-64-32	-	116.0	69.0	1.7540
4" x 2 1/2"	FL-S-NR-N-150-64-40	-	116.0	71.0	1.7500
4" x 3"	FL-S-NR-N-150-64-48	-	116.0	74.0	2.2000



FULL COUPLING (BSPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-CF-R-150-02	73 25 66	17.0	13.0	0.0160
1/4"	FL-S-CF-R-150-04	73 25 67	24.0	16.5	0.0350
3/8"	FL-S-CF-R-150-06	73 25 68	25.0	20.0	0.0460
1/2"	FL-S-CF-R-150-08	73 25 69	32.0	24.0	0.0790
3/4"	FL-S-CF-R-150-12	73 25 70	35.0	30.0	0.1040
1"	FL-S-CF-R-150-16	73 25 71	41.0	37.0	0.1810
1 1/4"	FL-S-CF-R-150-20	73 25 72	47.0	46.0	0.2700
1 1/2"	FL-S-CF-R-150-24	73 25 73	47.0	52.0	0.3080
2"	FL-S-CF-R-150-32	73 25 74	54.0	64.5	0.4660
2 1/2"	FL-S-CF-R-150-40	-	61.0	81.0	0.6530
3"	FL-S-CF-R-150-48	-	74.0	94.0	0.8320
4"	FL-S-CF-R-150-64	-	80.0	121.0	1.3390

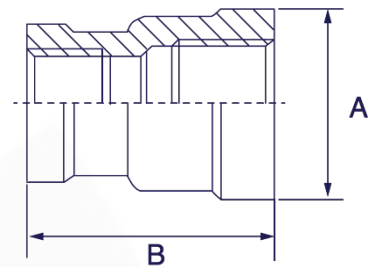


FULL COUPLING (NPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-CF-N-150-02	-	17.0	13.0	0.0160
1/4"	FL-S-CF-N-150-04	-	24.0	16.5	0.0350
3/8"	FL-S-CF-N-150-06	-	25.0	20.0	0.0460
1/2"	FL-S-CF-N-150-08	-	32.0	24.0	0.0790
3/4"	FL-S-CF-N-150-12	-	35.0	30.0	0.1040
1"	FL-S-CF-N-150-16	-	41.0	37.0	0.1810
1 1/4"	FL-S-CF-N-150-20	-	47.0	46.0	0.2700
1 1/2"	FL-S-CF-N-150-24	-	47.0	52.0	0.3080
2"	FL-S-CF-N-150-32	-	54.0	64.5	0.4660
2 1/2"	FL-S-CF-N-150-40	-	61.0	81.0	0.6530
3"	FL-S-CF-N-150-48	-	74.0	94.0	0.8320
4"	FL-S-CF-N-150-64	-	80.0	121.0	1.3390

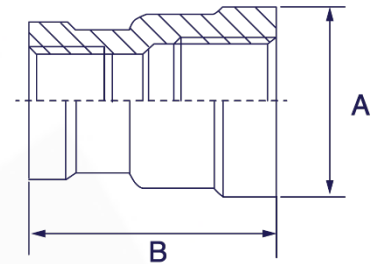
REDUCING COUPLING (BSPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/4" x 1/8"	FL-S-CR-R-150-04-02	-	18.0	22.8	0.0250
3/8" x 1/8"	FL-S-CR-R-150-06-02	-	22.0	24.3	0.0350
3/8" x 1/4"	FL-S-CR-R-150-06-04	-	22.0	27.5	0.0340
1/2" x 1/8"	FL-S-CR-R-150-08-02	-	26.0	21.0	0.0620
1/2" x 1/4"	FL-S-CR-R-150-08-04	-	26.0	25.0	0.0760
1/2" x 3/8"	FL-S-CR-R-150-08-06	-	26.0	28.0	0.0670
3/4" x 1/8"	FL-S-CR-R-150-12-02	-	32.0	22.0	0.0690
3/4" x 1/4"	FL-S-CR-R-150-12-04	-	32.0	24.0	0.1000
3/4" x 3/8"	FL-S-CR-R-150-12-06	-	32.0	24.5	0.0990
3/4" x 1/2"	FL-S-CR-R-150-12-08	-	32.0	32.5	0.1080
1" x 1/4"	FL-S-CR-R-150-16-04	-	39.0	26.5	0.1680
1" x 3/8"	FL-S-CR-R-150-16-06	-	39.0	27.0	0.1840
1" x 1/2"	FL-S-CR-R-150-16-08	-	39.0	29.5	0.1890
1" x 3/4"	FL-S-CR-R-150-16-12	-	39.0	36.4	0.1480
1 1/4" x 1/8"	FL-S-CR-R-150-20-02	-	48.0	26.5	0.2150
1 1/4" x 1/4"	FL-S-CR-R-150-20-04	-	48.0	29.0	0.2150
1 1/4" x 3/8"	FL-S-CR-R-150-20-06	-	48.0	29.5	0.2150
1 1/4" x 1/2"	FL-S-CR-R-150-20-08	-	48.0	32.0	0.2150
1 1/4" x 3/4"	FL-S-CR-R-150-20-12	-	48.0	33.0	0.2150
1 1/4" x 1"	FL-S-CR-R-150-20-16	-	48.0	42.0	0.2230
1 1/2" x 1/8"	FL-S-CR-R-150-24-02	-	54.0	26.5	0.2860
1 1/2" x 1/4"	FL-S-CR-R-150-24-04	-	54.0	29.0	0.2860
1 1/2" x 3/8"	FL-S-CR-R-150-24-06	-	54.0	30.0	0.2860
1 1/2" x 1/2"	FL-S-CR-R-150-24-08	-	54.0	32.0	0.2860
1 1/2" x 3/4"	FL-S-CR-R-150-24-12	-	54.0	33.0	0.2780
1 1/2" x 1"	FL-S-CR-R-150-24-16	-	54.0	34.5	0.2870
1 1/2" x 1 1/4"	FL-S-CR-R-150-24-20	-	54.0	44.3	0.3170
2" x 1/4"	FL-S-CR-R-150-32-04	-	66.0	32.5	0.3680
2" x 3/8"	FL-S-CR-R-150-32-06	-	66.0	33.0	0.3680
2" x 1/2"	FL-S-CR-R-150-32-08	-	66.0	35.5	0.3680
2" x 3/4"	FL-S-CR-R-150-32-12	-	66.0	36.5	0.3960
2" x 1"	FL-S-CR-R-150-32-16	-	66.0	38.0	0.4690
2" x 1 1/4"	FL-S-CR-R-150-32-20	-	66.0	40.0	0.4000
2" x 1 1/2"	FL-S-CR-R-150-32-24	-	66.0	47.8	0.4400
2 1/2" x 1"	FL-S-CR-R-150-40-16	-	80.2	42.0	0.5260
2 1/2" x 1 1/4"	FL-S-CR-R-150-40-20	-	81.2	44.0	0.6130
2 1/2" x 1 1/2"	FL-S-CR-R-150-40-24	-	81.2	45.0	0.5540
2 1/2" x 2"	FL-S-CR-R-150-40-32	-	81.2	47.0	0.8800
3" x 1 1/4"	FL-S-CR-R-150-48-20	-	98.0	47.0	0.7230
3" x 1 1/2"	FL-S-CR-R-150-48-24	-	98.0	48.0	0.6990
3" x 2"	FL-S-CR-R-150-48-32	-	98.0	50.0	0.7100
3" x 2 1/2"	FL-S-CR-R-150-48-40	-	98.0	51.0	1.3100
4" x 1 1/2"	FL-S-CR-R-150-64-24	-	124.0	54.0	1.2930
4" x 2"	FL-S-CR-R-150-64-32	-	124.0	56.0	1.2930
4" x 2 1/2"	FL-S-CR-R-150-64-40	-	124.0	57.0	1.2930
4" x 3"	FL-S-CR-R-150-64-48	-	124.0	60.0	0.9690



REDUCING COUPLING (NPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/4" x 1/8"	FL-S-CR-N-150-04-02	-	18.0	22.8	0.0250
3/8" x 1/8"	FL-S-CR-N-150-06-02	-	22.0	24.3	0.0350
3/8" x 1/4"	FL-S-CR-N-150-06-04	-	22.0	27.5	0.0340
1/2" x 1/8"	FL-S-CR-N-150-08-02	-	26.0	21.0	0.0620
1/2" x 1/4"	FL-S-CR-N-150-08-04	-	26.0	25.0	0.0760
1/2" x 3/8"	FL-S-CR-N-150-08-06	-	26.0	28.0	0.0670
3/4" x 1/8"	FL-S-CR-N-150-12-02	-	32.0	22.0	0.0690
3/4" x 1/4"	FL-S-CR-N-150-12-04	-	32.0	24.0	0.1000
3/4" x 3/8"	FL-S-CR-N-150-12-06	-	32.0	24.5	0.0990
3/4" x 1/2"	FL-S-CR-N-150-12-08	-	32.0	32.5	0.1080
1" x 1/4"	FL-S-CR-N-150-16-04	-	39.0	26.5	0.1680
1" x 3/8"	FL-S-CR-N-150-16-06	-	39.0	27.0	0.1840
1" x 1/2"	FL-S-CR-N-150-16-08	-	39.0	29.5	0.1890
1" x 3/4"	FL-S-CR-N-150-16-12	-	39.0	36.4	0.1480
1 1/4" x 1/8"	FL-S-CR-N-150-20-02	-	48.0	26.5	0.2150
1 1/4" x 1/4"	FL-S-CR-N-150-20-04	-	48.0	29.0	0.2150
1 1/4" x 3/8"	FL-S-CR-N-150-20-06	-	48.0	29.5	0.2150
1 1/4" x 1/2"	FL-S-CR-N-150-20-08	-	48.0	32.0	0.2150
1 1/4" x 3/4"	FL-S-CR-N-150-20-12	-	48.0	33.0	0.2150
1 1/4" x 1"	FL-S-CR-N-150-20-16	-	48.0	42.0	0.2230
1 1/2" x 1/8"	FL-S-CR-N-150-24-02	-	54.0	26.5	0.2860
1 1/2" x 1/4"	FL-S-CR-N-150-24-04	-	54.0	29.0	0.2860
1 1/2" x 3/8"	FL-S-CR-N-150-24-06	-	54.0	30.0	0.2860
1 1/2" x 1/2"	FL-S-CR-N-150-24-08	-	54.0	32.0	0.2860
1 1/2" x 3/4"	FL-S-CR-N-150-24-12	-	54.0	33.0	0.2780
1 1/2" x 1"	FL-S-CR-N-150-24-16	-	54.0	34.5	0.2870
1 1/2" x 1 1/4"	FL-S-CR-N-150-24-20	-	54.0	44.3	0.3170
2" x 1/4"	FL-S-CR-N-150-32-04	-	66.0	32.5	0.3680
2" x 3/8"	FL-S-CR-N-150-32-06	-	66.0	33.0	0.3680
2" x 1/2"	FL-S-CR-N-150-32-08	-	66.0	35.5	0.3680
2" x 3/4"	FL-S-CR-N-150-32-12	-	66.0	36.5	0.3960
2" x 1"	FL-S-CR-N-150-32-16	-	66.0	38.0	0.4690
2" x 1 1/4"	FL-S-CR-N-150-32-20	-	66.0	40.0	0.4000
2" x 1 1/2"	FL-S-CR-N-150-32-24	-	66.0	47.8	0.4400
2 1/2" x 1"	FL-S-CR-N-150-40-16	-	80.2	42.0	0.5260
2 1/2" x 1 1/4"	FL-S-CR-N-150-40-20	-	81.2	44.0	0.6130
2 1/2" x 1 1/2"	FL-S-CR-N-150-40-24	-	81.2	45.0	0.5540
2 1/2" x 2"	FL-S-CR-N-150-40-32	-	81.2	47.0	0.8800
3" x 1 1/4"	FL-S-CR-N-150-48-20	-	98.0	47.0	0.7230
3" x 1 1/2"	FL-S-CR-N-150-48-24	-	98.0	48.0	0.6990
3" x 2"	FL-S-CR-N-150-48-32	-	98.0	50.0	0.7100
3" x 2 1/2"	FL-S-CR-N-150-48-40	-	98.0	51.0	1.3100
4" x 1 1/2"	FL-S-CR-N-150-64-24	-	124.0	54.0	1.2930
4" x 2"	FL-S-CR-N-150-64-32	-	124.0	56.0	1.2930
4" x 2 1/2"	FL-S-CR-N-150-64-40	-	124.0	57.0	1.2930
4" x 3"	FL-S-CR-N-150-64-48	-	124.0	60.0	0.9690



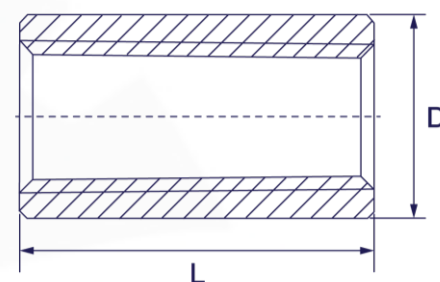
HALF COUPLING (BSPT THREADED)

Size	Part No.	Impa Code	L	D	Weight (Kg)
1/4"	FL-S-CH-G-150-04	-	13	16.5	0.015
3/8"	FL-S-CH-G-150-06	-	13	20.5	0.015
1/2"	FL-S-CH-G-150-08	-	17	24.5	0.015
3/4"	FL-S-CH-G-150-12	-	18	30.0	0.400
1"	FL-S-CH-G-150-16	-	22	37.5	0.070
1 1/4"	FL-S-CH-G-150-20	-	23	46.5	0.090
1 1/2"	FL-S-CH-G-150-24	-	23	53.0	0.110
2"	FL-S-CH-G-150-32	-	27	65.5	0.160



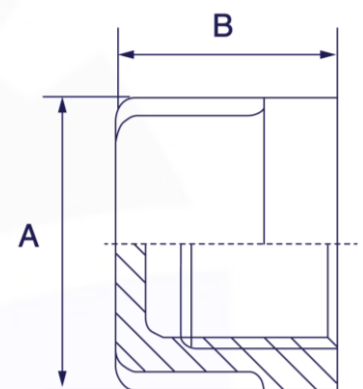
HALF COUPLING (NPT THREADED)

Size	Part No.	Impa Code	L	D	Weight (Kg)
1/4"	FL-S-CH-N-150-04	-	13	16.5	0.015
3/8"	FL-S-CH-N-150-06	-	13	20.5	0.015
1/2"	FL-S-CH-N-150-08	-	17	24.5	0.030
3/4"	FL-S-CH-N-150-12	-	18	30.0	0.040
1"	FL-S-CH-N-150-16	-	22	37.5	0.070
1 1/4"	FL-S-CH-N-150-20	-	23	46.5	0.090
1 1/2"	FL-S-CH-N-150-24	-	23	53.0	0.110
2"	FL-S-CH-N-150-32	-	27	65.5	0.160



ROUND CAP (BSPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-CR-R-150-02	73 25 36	12.5	11.8	0.0086
1/4"	FL-S-CR-R-150-04	73 25 37	16.0	15.0	0.0173
3/8"	FL-S-CR-R-150-06	73 25 38	19.5	15.4	0.0235
1/2"	FL-S-CR-R-150-08	73 25 39	24.0	17.1	0.0372
3/4"	FL-S-CR-R-150-12	73 25 40	29.5	18.5	0.0613
1"	FL-S-CR-R-150-16	73 25 41	36.5	21.0	0.0963
1 1/4"	FL-S-CR-R-150-20	73 25 42	45.5	23.7	0.1488
1 1/2"	FL-S-CR-R-150-24	73 25 43	52.0	23.7	0.1725
2"	FL-S-CR-R-150-32	73 25 44	64.0	27.5	0.3056
2 1/2"	FL-S-CR-R-150-40	-	81.0	31.7	0.3965
3"	FL-S-CR-R-150-48	-	94.5	35.1	0.6560
4"	FL-S-CR-R-150-64	-	120.5	41.6	1.0635

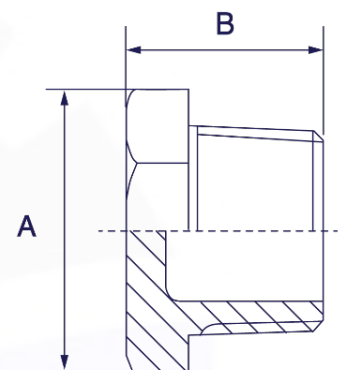


ROUND CAP (NPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-CR-N-150-02	-	12.5	11.8	0.0086
1/4"	FL-S-CR-N-150-04	-	16.0	15.0	0.0173
3/8"	FL-S-CR-N-150-06	-	19.5	15.4	0.0235
1/2"	FL-S-CR-N-150-08	-	24.0	17.1	0.0372
3/4"	FL-S-CR-N-150-12	-	29.5	18.5	0.0613
1"	FL-S-CR-N-150-16	-	36.5	21.0	0.0963
1 1/4"	FL-S-CR-N-150-20	-	45.5	23.7	0.1488
1 1/2"	FL-S-CR-N-150-24	-	52.0	23.7	0.1725
2"	FL-S-CR-N-150-32	-	64.0	27.5	0.3056
2 1/2"	FL-S-CR-N-150-40	-	81.0	31.7	0.3965
3"	FL-S-CR-N-150-48	-	94.5	35.1	0.6560
4"	FL-S-CR-N-150-64	-	120.5	41.6	1.0635

HEX PLUG (BSPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-PH-R-150-02	-	12.0	12.0	0.0140
1/4"	FL-S-PH-R-150-04	-	14.5	14.5	0.0263
3/8"	FL-S-PH-R-150-06	-	18.0	16.0	0.0295
1/2"	FL-S-PH-R-150-08	-	22.0	19.5	0.0445
3/4"	FL-S-PH-R-150-12	-	28.0	22.0	0.0703
1"	FL-S-PH-R-150-16	-	35.0	24.8	0.1080
1 1/4"	FL-S-PH-R-150-20	-	44.0	28.8	0.1972
1 1/2"	FL-S-PH-R-150-24	-	50.0	28.8	0.2310
2"	FL-S-PH-R-150-32	-	62.0	33.5	0.3481
2 1/2"	FL-S-PH-R-150-40	-	78.0	34.0	0.6056
3"	FL-S-PH-R-150-48	-	91.0	37.5	0.8307
4"	FL-S-PH-R-150-64	-	116.0	44.0	1.2414

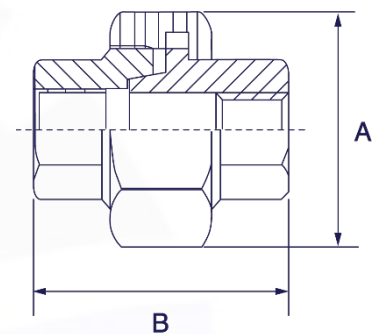


HEX PLUG (NPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-PH-N-150-02	-	12.0	12.0	0.0140
1/4"	FL-S-PH-N-150-04	-	14.5	14.5	0.0263
3/8"	FL-S-PH-N-150-06	-	18.0	16.0	0.0295
1/2"	FL-S-PH-N-150-08	-	22.0	19.5	0.0445
3/4"	FL-S-PH-N-150-12	-	28.0	22.0	0.0703
1"	FL-S-PH-N-150-16	-	35.0	24.8	0.1080
1 1/4"	FL-S-PH-N-150-20	-	44.0	28.8	0.1972
1 1/2"	FL-S-PH-N-150-24	-	50.0	28.8	0.2310
2"	FL-S-PH-N-150-32	-	62.0	33.5	0.3481
2 1/2"	FL-S-PH-N-150-40	-	78.0	34.0	0.6056
3"	FL-S-PH-N-150-48	-	91.0	37.5	0.8307
4"	FL-S-PH-N-150-64	-	116.0	44.0	1.2414

UNION F/F CONICAL (BSPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-UC-R-150-02	73 26 16	29.1	25.0	0.0540
1/4"	FL-S-UC-R-150-04	73 26 17	29.1	33.9	0.1000
3/8"	FL-S-UC-R-150-06	73 26 18	34.0	36.0	0.1300
1/2"	FL-S-UC-R-150-08	73 26 19	37.5	39.0	0.1700
3/4"	FL-S-UC-R-150-12	73 26 20	44.5	41.0	0.2600
1"	FL-S-UC-R-150-16	73 26 21	53.5	50.0	0.3500
1 1/4"	FL-S-UC-R-150-20	73 26 22	64.0	51.0	0.5400
1 1/2"	FL-S-UC-R-150-24	73 26 23	71.5	57.0	0.6200
2"	FL-S-UC-R-150-32	73 26 24	85.5	62.0	1.0100
2 1/2"	FL-S-UC-R-150-40	-	101.0	68.5	1.8790
3"	FL-S-UC-R-150-48	-	117.0	78.0	2.5910
4"	FL-S-UC-R-150-64	-	147.0	91.5	4.3400

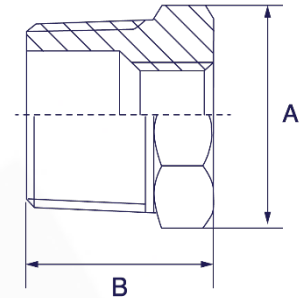


UNION F/F CONICAL (NPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/8"	FL-S-UC-N-150-02	-	29.1	25.0	0.0540
1/4"	FL-S-UC-N-150-04	-	29.1	33.9	0.1000
3/8"	FL-S-UC-N-150-06	-	34.0	36.0	0.1300
1/2"	FL-S-UC-N-150-08	-	37.5	39.0	0.1700
3/4"	FL-S-UC-N-150-12	-	44.5	41.0	0.2600
1"	FL-S-UC-N-150-16	-	53.5	50.0	0.3500
1 1/4"	FL-S-UC-N-150-20	-	64.0	51.0	0.5400
1 1/2"	FL-S-UC-N-150-24	-	71.5	57.0	0.6200
2"	FL-S-UC-N-150-32	-	85.5	62.0	1.0100
2 1/2"	FL-S-UC-N-150-40	-	101.0	68.5	1.8790
3"	FL-S-UC-N-150-48	-	117.0	78.0	2.5910
4"	FL-S-UC-N-150-64	-	147.0	91.5	4.3400

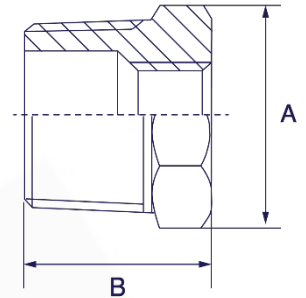
HEX BUSHING (BSPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/4" x 1/8"	FL-S-BH-R-150-04-02	73 25 81	14.5	14.5	0.0182
3/8" x 1/8"	FL-S-BH-R-150-06-02	-	18.0	16.0	0.0274
3/8" x 1/4"	FL-S-BH-R-150-06-04	73 25 82	18.0	16.0	0.0274
1/2" x 1/8"	FL-S-BH-R-150-08-02	-	21.4	19.5	0.0440
1/2" x 1/4"	FL-S-BH-R-150-08-04	-	21.4	19.5	0.0440
1/2" x 3/8"	FL-S-BH-R-150-08-06	73 25 83	21.4	19.5	0.0440
3/4" x 1/8"	FL-S-BH-R-150-12-02	-	27.0	21.0	0.0684
3/4" x 1/4"	FL-S-BH-R-150-12-04	-	27.0	21.0	0.0684
3/4" x 3/8"	FL-S-BH-R-150-12-06	-	27.0	21.0	0.0684
3/4" x 1/2"	FL-S-BH-R-150-12-08	73 25 84	27.0	21.0	0.0684
1" x 1/4"	FL-S-BH-R-150-16-04	-	33.9	24.0	0.1085
1" x 3/8"	FL-S-BH-R-150-16-06	-	33.9	24.0	0.1085
1" x 1/2"	FL-S-BH-R-150-16-08	-	33.9	24.0	0.1085
1" x 3/4"	FL-S-BH-R-150-16-12	73 25 85	33.9	24.0	0.1085
1 1/4" x 1/4"	FL-S-BH-R-150-20-04	-	42.7	27.0	0.1740
1 1/4" x 3/8"	FL-S-BH-R-150-20-06	-	42.7	27.0	0.1740
1 1/4" x 1/2"	FL-S-BH-R-150-20-08	-	42.7	27.0	0.1740
1 1/4" x 3/4"	FL-S-BH-R-150-20-12	-	42.7	27.0	0.1740
1 1/4" x 1"	FL-S-BH-R-150-20-16	73 25 86	42.7	27.0	0.1740
1 1/2" x 1/4"	FL-S-BH-R-150-24-04	-	48.6	27.0	0.2274
1 1/2" x 3/8"	FL-S-BH-R-150-24-06	-	48.6	27.0	0.2274
1 1/2" x 1/2"	FL-S-BH-R-150-24-08	-	48.6	27.0	0.2274
1 1/2" x 3/4"	FL-S-BH-R-150-24-12	-	48.6	27.0	0.2274
1 1/2" x 1"	FL-S-BH-R-150-24-16	-	48.6	27.0	0.2274
1 1/2" x 1 1/4"	FL-S-BH-R-150-24-20	73 25 87	48.6	27.0	0.2274
2" x 1/4"	FL-S-BH-R-150-32-04	-	60.5	31.0	0.3750
2" x 3/8"	FL-S-BH-R-150-32-06	-	60.5	31.0	0.3750
2" x 1/2"	FL-S-BH-R-150-32-08	-	60.5	31.0	0.3750
2" x 3/4"	FL-S-BH-R-150-32-12	-	60.5	31.0	0.3750
2" x 1"	FL-S-BH-R-150-32-16	-	60.5	31.0	0.3750
2" x 1 1/4"	FL-S-BH-R-150-32-20	-	60.5	31.0	0.3750
2" x 1 1/2"	FL-S-BH-R-150-32-24	73 25 88	60.5	31.0	0.3750



HEX BUSHING (NPT THREADED)

Size	Part No.	Impa Code	A	B	Weight (Kg)
1/4" x 1/8"	FL-S-BH-N-150-04-02	-	14.5	14.5	0.0182
3/8" x 1/8"	FL-S-BH-N-150-06-02	-	18.0	16.0	0.0274
3/8" x 1/4"	FL-S-BH-N-150-06-04	-	18.0	16.0	0.0274
1/2" x 1/8"	FL-S-BH-N-150-08-02	-	21.4	19.5	0.0440
1/2" x 1/4"	FL-S-BH-N-150-08-04	-	21.4	19.5	0.0440
1/2" x 3/8"	FL-S-BH-N-150-08-06	-	21.4	19.5	0.0440
3/4" x 1/8"	FL-S-BH-N-150-12-02	-	27.0	21.0	0.0684
3/4" x 1/4"	FL-S-BH-N-150-12-04	-	27.0	21.0	0.0684
3/4" x 3/8"	FL-S-BH-N-150-12-06	-	27.0	21.0	0.0684
3/4" x 1/2"	FL-S-BH-N-150-12-08	-	27.0	21.0	0.0684
1" x 1/4"	FL-S-BH-N-150-16-04	-	33.9	24.0	0.1085
1" x 3/8"	FL-S-BH-N-150-16-06	-	33.9	24.0	0.1085
1" x 1/2"	FL-S-BH-N-150-16-08	-	33.9	24.0	0.1085
1" x 3/4"	FL-S-BH-N-150-16-12	-	33.9	24.0	0.1085
1 1/4" x 1/4"	FL-S-BH-N-150-20-04	-	42.7	27.0	0.1740
1 1/4" x 3/8"	FL-S-BH-N-150-20-06	-	42.7	27.0	0.1740
1 1/4" x 1/2"	FL-S-BH-N-150-20-08	-	42.7	27.0	0.1740
1 1/4" x 3/4"	FL-S-BH-N-150-20-12	-	42.7	27.0	0.1740
1 1/4" x 1"	FL-S-BH-N-150-20-16	-	42.7	27.0	0.1740
1 1/2" x 1/4"	FL-S-BH-N-150-24-04	-	48.6	27.0	0.2274
1 1/2" x 3/8"	FL-S-BH-N-150-24-06	-	48.6	27.0	0.2274
1 1/2" x 1/2"	FL-S-BH-N-150-24-08	-	48.6	27.0	0.2274
1 1/2" x 3/4"	FL-S-BH-N-150-24-12	-	48.6	27.0	0.2274
1 1/2" x 1"	FL-S-BH-N-150-24-16	-	48.6	27.0	0.2274
1 1/2" x 1 1/4"	FL-S-BH-N-150-24-20	-	48.6	27.0	0.2274
2" x 1/4"	FL-S-BH-N-150-32-04	-	60.5	31.0	0.3750
2" x 3/8"	FL-S-BH-N-150-32-06	-	60.5	31.0	0.3750
2" x 1/2"	FL-S-BH-N-150-32-08	-	60.5	31.0	0.3750
2" x 3/4"	FL-S-BH-N-150-32-12	-	60.5	31.0	0.3750
2" x 1"	FL-S-BH-N-150-32-16	-	60.5	31.0	0.3750
2" x 1 1/4"	FL-S-BH-N-150-32-20	-	60.5	31.0	0.3750
2" x 1 1/2"	FL-S-BH-N-150-32-24	-	60.5	31.0	0.3750





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