TUBE FITTINGS



M02

M03

M04

M06

M08

M10

M12

M14

M16

M18

M20

M22

M25

2mm

3_{mm}

4mm

6mm

8mm

10mm

12mm

14mm

16mm

18mm

20mm

22mm 25mm

Tube O.D 1/16

02

03

04

05

06

80

10

12

14

16 1

1/8

3/16

1/4

5/16

3/8

1/2

5/8

3/4

7/8

Ordering Code Information

NBMC -02

(e.g. Bulkhead Male Connector, 1/8 O.D, 1/8"NPT, SS316)

NMC Male Connector NMC-M Male Connector NMC-M Male Bore Through Connect NBMC Bulkhead Male Connector NME Male Elbow NME-M Male Elbow 45° NMRT Male Run Tee NMBT Male Branch Tee NMBT Male Branch Tee NFC Female Connector NFE Female Elbow NFRT Female Branch Tee NFBT Female Branch Tee NU Union NRU Reducing Union NBU Bulkhead Union NUE Union Elbow NUT Union Tee NUC Union Cross NR Reducer NR-M Reducer NR-M Reducer NBR Bulkhead Reducer NMA Male Adapter NPA Female Adapter NPC Port Connector NMPC Reducing Port Connector NMWC Male Pipe Weld Connector NMWC Male Pipe Weld Connector NMWC Tube Socket Weld Connector	
NMC Male Connector NMC-M Male Connector NMCBT Male Bore Through Connector NBMC Bulkhead Male Connector NME Male Elbow NME-M Male Elbow NME-M Male Elbow 45° NMRT Male Run Tee NMBT Male Branch Tee NFC Female Connector NBFC Bulkhead Female Connector NFE Female Elbow NFRT Female Branch Tee NU Union NRU Reducing Union NBU Bulkhead Union NUE Union Elbow NUT Union Tee NUC Union Cross NR Reducer NR-M Reducer NR-M Reducer NR-M Reducer NMA Male Adapter NPC Port Connector NMC Reducing Port Connector NMC Reducing Port Connector NMC Male Pipe Weld Elbow NSWC Tube Socket Weld Connector	
NMCBT Male Bore Through Connector NBMC Bulkhead Male Connector NME Male Elbow NME-M Male Elbow NLME Male Elbow 45° NMRT Male Run Tee NMBT Male Branch Tee NFC Female Connector NBFC Bulkhead Female Connector NFE Female Elbow NFRT Female Branch Tee NU Union NRU Reducing Union NBU Bulkhead Union NUE Union Elbow NUT Union Tee NUC Union Cross NR Reducer NR-M Reducer NR-M Reducer NR-M Reducer NMA Male Adapter NFA Female Adapter NPC Port Connector NMC Male Pipe Weld Connector NMWC Male Pipe Weld Elbow NSWC Tube Socket Weld Connector	
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NBR Bulkhead Reducer NMA Male Adapter NFA Female Adapter NPC Port Connector NRPC Reducing Port Connector NMWC Male Pipe Weld Connector NMWE Male Pipe Weld Elbow NSWC Tube Socket Weld Connector	
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NPC Port Connector NRPC Reducing Port Connector NMWC Male Pipe Weld Connector NMWE Male Pipe Weld Elbow NSWC Tube Socket Weld Connector	
NRPC Reducing Port Connector NMWC Male Pipe Weld Connector NMWE Male Pipe Weld Elbow NSWC Tube Socket Weld Connector	
NMWC Male Pipe Weld Connector NMWE Male Pipe Weld Elbow NSWC Tube Socket Weld Connector	
NMWE Male Pipe Weld Elbow NSWC Tube Socket Weld Connector	r
NSWC Tube Socket Weld Connector	or
NOWE THE OF LAWFILE	ector
NSWE Tube Socket Weld Elbow	
NTP Tube Plug	
NTC Tube Cap	
NPN Nut	
NFF Front Ferrule	
NBF Back Ferrule	

Thread Standards Specification

PIPE THREAD	RELEVANT STANDARDS										
NPT	ASME B1.20.1, MIL-P-7105B										
ISO/BSP (Parallel)	ISO 228, BS 2779, JIS B 0202										
ISO/BSP (Tapered) ISO/BSP (Gauge)	ISO 7, BS 21, JIS B 0203										
(Based on DIN 16288-1987)	ISO 228, BS 2779										
Unified (SAE)	ASME B 1.1										

D 0	·	D 7					
P S	ize	PT	ype				
1	1/16	N	NPT	Threa	ds		
2	1/8	R	IS0	Tapere	d Threads		
3	3/16	G	G ISO Parallel Threads				
4	1/4	M	M Metric Threads				
5	5/16-24	S	SAE/MS Straight Threads				
6	3/8 or 3/8-24	T Tube Weld					
7	7/16-20	Р	Pipe	e Weld			
8	1/2 or M8 x 1						
9	9/16-18			Mat	terial		
10	5/8 or M10 x 1			SS	SS316		
12	3/4 or 3/4-16 or M12 x 1.5	O Please specify as re			as req	uired	
14	7/8-14 or M14 x 1.5						
16	1 or M16 x 1.5						

Function

1 1/16-12

M18 x 1.5 1 3/16-12

1 5/16-12 M22 x 1.5

1 5/8-12

M27 x 2

1 1/4 or M20 x 1.5

1 1/2 or M24 x 1.5

1 7/8-12 or M30 x 2

18

19 20

21

22

24

26 27

30 32 2

Compression nut threads are siliver plated which prevents galling.

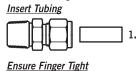
Back ferrule locks together the fitting and tube forms a primary seal which absorbes the pressure pulses & vibration.

Front ferrule forms a secondary seal which achives the connection tube and fitting and guarantee a bubble tight Zero Leak Sealing.

Rugged body construction, high precision machined surface finished and standardised tolerances provides maximum trouble free service life in severe working conditions.

NOTE. The above illustrated sealing action of a tube fitting which takes place when the assembly is fully tightened.

Assembly Instructions





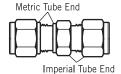


fitting until it comes up to the tube-stop. 2. Ensure that the nut is finger tight

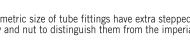
1. Insert the tubing in to the tube

- and tighten the nut 11/4 turns as shown in fig-4.
- **3.** For 1/8" and 3/16" fittings only $\frac{3}{4}$ turns as shown in fig-3.

Identification of Tube Fittings

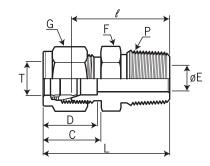


The metric size of tube fittings have extra stepped shoulder on the body and nut to distinguish them from the imperial size.



NMC Type – Male Connector (Imperial Range)





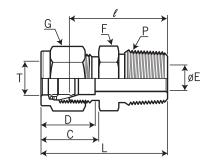
Imperial Range:

		Tube O.D.	P *	_	Width ac	ross flat				
Ordering Code	Material	Ţ	(NPT)	E	F	G	D	С	ℓ	L
		in	(INFI)	Min	in	in				
NMC-01-1N-SS	SS316	1/16	1/16	1.27	5/16	5/16	8.63	10.92	20.02	23.83
NMC-01-2N-SS	SS316	1/16	1/8	1.28	7/16	7/16	8.63	10.92	22.52	26.33
NMC-02-2N-SS	SS316	1/8	1/8	2.28	7/16	7/16	12.70	15.24	23.88	30.48
NMC-02-4N-SS	SS316	1/8	1/4	2.28	9/16	7/16	12.70	15.24	28.96	35.56
NMC-02-6N-SS	SS316	1/8	3/8	2.28	11/16	7/16	12.70	15.24	29.21	35.81
NMC-02-8N-SS	SS316	1/8	1/2	2.28	7/8	7/16	12.70	15.24	35.56	42.16
NMC-03-2N-SS	SS316	3/16	1/8	3.04	7/16	1/2	13.71	16.00	24.63	31.24
NMC-03-4N-SS	SS316	3/16	1/4	3.04	9/16	1/2	13.71	16.00	29.71	36.32
NMC-04-2N-SS	SS316	1/4	1/8	4.82	1/2	9/16	15.24	17.78	25.40	32.76
NMC-04-4N-SS	SS316	1/4	1/4	4.82	9/16	9/16	15.24	17.78	30.48	37.84
NMC-04-6N-SS	SS316	1/4	3/8	4.82	11/16	9/16	15.24	17.78	30.99	38.35
NMC-04-8N-SS	SS316	1/4	1/2	4.82	7/8	9/16	15.24	17.78	37.34	44.70
NMC-04-12N-SS	SS316	1/4	3/4	4.82	1-1/16	9/16	15.24	17.78	38.86	46.22
NMC-05-2N-SS	SS316	5/16	1/8	4.82	9/16	5/8	16.25	18.54	26.67	34.03
NMC-05-4N-SS	SS316	5/16	1/4	6.35	9/16	5/8	16.25	18.54	31.24	38.60
NMC-05-6N-SS	SS316	5/16	3/8	6.35	11/16	5/8	16.25	18.54	31.75	39.11
NMC-06-2N-SS	SS316	3/8	1/8	4.82	5/8	11/16	16.76	19.30	27.94	35.30
NMC-06-4N-SS	SS316	3/8	1/4	7.11	5/8	11/16	16.76	19.30	32.51	39.87
NMC-06-6N-SS	SS316	3/8	3/8	7.11	11/16	11/16	16.76	19.30	32.51	39.87
NMC-06-8N-SS	SS316	3/8	1/2	7.11	7/8	11/16	16.76	19.30	38.86	46.22
NMC-06-12N-SS	SS316	3/8	3/4	7.11	1-1/16	11/16	16.76	19.30	40.39	47.75
NMC-08-2N-SS	SS316	1/2	1/8	4.82	13/16	7/8	22.86	21.84	28.70	38.86
NMC-08-4N-SS	SS316	1/2	1/4	7.11	13/16	7/8	22.86	21.84	33.27	43.43
NMC-08-6N-SS	SS316	1/2	3/8	9.65	13/16	7/8	22.86	21.84	33.27	43.43
NMC-08-8N-SS	SS316	1/2	1/2	10.41	7/8	7/8	22.86	21.84	38.86	49.02
NMC-08-12N-SS	SS316	1/2	3/4	10.41	1-1/16	7/8	22.86	21.84	40.38	50.54
NMC-08-16N-SS	SS316	1/2	1	10.41	1-3/8	7/8	22.86	21.84	46.99	57.15
NMC-10-6N-SS	SS316	5/8	3/8	9.65	15/16	1	24.38	21.84	34.03	44.19
NMC-10-8N-SS	SS316	5/8	1/2	11.93	15/16	1	24.38	21.84	38.86	49.02
NMC-10-12N-SS	SS316	5/8	3/4	12.70	1-1/16	1	24.38	21.84	40.38	50.54
NMC-12-8N-SS	SS316	3/4	1/2	11.93	1-1/16	1-1/8	24.38	21.84	40.38	50.54
NMC-12-12N-SS	SS316	3/4	3/4	15.74	1-1/16	1-1/8	24.38	21.84	40.38	50.54
NMC-12-16N-SS	SS316	3/4	1	15.74	1-3/8	1-1/8	24.38	21.84	46.99	57.15
NMC-14-12N-SS	SS316	7/8	3/4	15.74	1-3/16	1-1/4	25.90	21.84	40.38	50.54
NMC-14-16N-SS	SS316	7/8	1	18.28	1-3/8	1-1/4	25,90	21.84	46.99	57.15
NMC-16-8N-SS	SS316	1	1/2	11.93	1-3/8	1-1/2	31.24	26.41	45.21	57.40
NMC-16-12N-SS	SS316	1	3/4	15.74	1-3/8	1-1/2	31.24	26.41	45.21	57.40
NMC-16-16N-SS	SS316	1	1	22.35	1-3/8	1-1/2	31.24	26.41	50.04	62.23

NMC-M Type – Male Connector (Metric Range)







Metric Range: ISO Tapered Thread

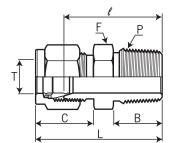
		Tube O.D.	P *	_	Width ac	ross flat				unit=mm
Ordering Code	Material	T	•	Е	F	G	D	С	l	L
		mm	R(PT)	Min	mm	mm				
NMC-M02-2R-SS	SS316	2	1/8	1.7	12	12	12.9	15.3	23.9	30.5
NMC-M03-2R-SS	SS316	3	1/8	2.4	12	12	12.9	15.3	23.1	29.7
NMC-M03-4R-SS	SS316	3	1/4	2.4	14	12	12.9	15.3	29.0	35.6
NMC-M04-2R-SS	SS316	4	1/8	2.4	12	12	13.7	16.1	24.6	31.2
NMC-M04-4R-SS	SS316	4	1/4	2.4	14	12	13.7	16.1	29.7	36.3
NMC-M06-2R-SS	SS316	6	1/8	4.8	14	14	15.3	17.7	25.4	32.8
NMC-M06-4R-SS	SS316	6	1/4	4.8	14	14	15.3	17.7	30.2	37.6
NMC-M06-6R-SS	SS316	6	3/8	4.8	17	14	15.3	17.7	31.0	38.4
NMC-M06-8R-SS	SS316	6	1/2	4.8	22	14	15.3	17.7	36.6	44.0
NMC-M08-2R-SS	SS316	8	1/8	4.8	15	16	16.2	18.6	26.7	34.2
NMC-M08-4R-SS	SS316	8	1/4	6.4	15	16	16.2	18.6	31.2	38.7
NMC-M08-6R-SS	SS316	8	3/8	6.4	17	16	16.2	18.6	31.7	39.2
NMC-M08-8R-SS	SS316	8	1/2	6.4	22	16	16.2	18.6	37.3	44.8
NMC-M10-2R-SS	SS316	10	1/8	4.8	18	19	17.2	19.5	28.7	36.3
NMC-M10-4R-SS	SS316	10	1/4	7.1	18	19	17.2	19.5	33.3	40.9
NMC-M10-6R-SS	SS316	10	3/8	7.9	18	19	17.2	19.5	33.3	40.9
NMC-M10-8R-SS	SS316	10	1/2	7.9	22	19	17.2	19.5	38.1	45.7
NMC-M12-4R-SS	SS316	12	1/4	7.1	22	22	22.8	22.0	33.3	43.4
NMC-M12-6R-SS	SS316	12	3/8	9.5	22	22	22.8	22.0	33.3	43.4
NMC-M12-8R-SS	SS316	12	1/2	9.5	22	22	22.8	22.0	38.1	48.2
NMC-M12-12R-SS	SS316	12	3/4	9.5	27	22	22.8	22.0	38.9	49.0
NMC-M15-8R-SS	SS316	15	1/2	11.9	24	25	24.4	22.0	38.9	49.0
NMC-M16-4R-SS	SS316	16	1/4	7.1	24	25	24.4	22.0	34.0	44.1
NMC-M16-6R-SS	SS316	16	3/8	9.5	24	25	24.4	22.0	34.0	44.1
NMC-M16-8R-SS	SS316	16	1/2	11.9	24	25	24.4	22.0	38.9	49.0
NMC-M16-12R-SS	SS316	16	3/4	12.7	27	25	24.4	22.0	38.9	49.0
NMC-M18-8R-SS	SS316	18	1/2	11.9	27	30	24.4	22.0	40.4	50.5
NMC-M18-12R-SS	SS316	18	3/4	15.1	27	30	24.4	22.0	40.4	50.5
NMC-M20-8R-SS	SS316	20	1/2	11.9	30	32	26.0	22.0	42.2	52.3
NMC-M20-12R-SS	SS316	20	3/4	15.9	30	32	26.0	22.0	42.2	52.3
NMC-M22-12R-SS	SS316	22	3/4	15.9	30	32	26.0	22.0	42.2	52.3
NMC-M22-16R-SS	SS316	22	1	18.3	35	32	26.0	22.0	47.8	57.9
NMC-M25-12R-SS	SS316	25	3/4	15.9	35	38	31.3	26.5	45.2	57.5
NMC-M25-16R-SS	SS316	25	1	21.8	35	38	31.3	26.5	50.0	62.3

NMCBT Type – Male Bore Through Connector (Imperial Range)



unit=inch



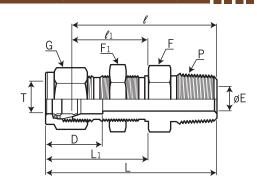


Imperial Range:

Ordering Code	Material	Tube O.D. T in	P * (NPT)	F HEX	L in	C in	ℓ in	B in
NMCBT-01-1N-SS	SS316	1/16	1/16	5/16	0.93	0.43	0.78	0.38
NMCBT-01-2N-SS	SS316	1/16	1/8	7/16	1.03	0.43	0.88	0.38
NMCBT-01-4N-SS	SS316	1/16	1/4	9/16	1.23	0.43	1.08	0.56
NMCBT-02-1N-SS	SS316	1/8	1/16	3/8	1.17	0.60	0.91	0.38
NMCBT-02-2N-SS	SS316	1/8	1/8	7/16	1.20	0.60	0.94	0.38
NMCBT-02-4N-SS	SS316	1/8	1/4	9/16	1.40	0.60	1.14	0.56
NMCBT-03-2N-SS	SS316	3/16	1/8	7/16	1.23	0.64	0.97	0.38
NMCBT-03-4N-SS	SS316	3/16	1/4	9/16	1.43	0.64	1.17	0.56
NMCBT-04-2N-SS	SS316	1/4	1/8	1/2	1.29	0.70	1.00	0.38
NMCBT-04-4N-SS	SS316	1/4	1/4	9/16	1.49	0.70	1.20	0.56
NMCBT-04-4N-SS	SS316	1/4	3/8	11/16	1.60	0.70	1.22	0.56
NMCBT-04-8N-SS	SS316	1/4	1/2	7/8	1.87	0.70	1.47	0.75
NMCBT-05-4N-SS	SS316	5/16	1/4	9/16	1.52	0.73	1.22	0.56
NMCBT-06-4N-SS	SS316	3/8	1/4	5/8	1.57	0.76	1.28	0.56
NMCBT-06-6N-SS	SS316	3/8	3/8	11/16	1.57	0.76	1.28	0.56
NMCBT-06-8N-SS	SS316	3/8	1/2	7/8	1.82	0.76	1.53	0.75
NMCBT-06-12N-SS	SS316	3/8	3/4	1-1/16	1.88	0.76	1.59	0.75
NMCBT-08-8N-SS	SS316	1/2	1/2	7/8	1.93	0.87	1.53	0.76
NMCBT-08-12N-SS	SS316	1/2	3/4	1-1/16	1.99	0.87	1.59	0.75
NMCBT-10-12N-SS	SS316	5/8	3/4	1-1/16	1.99	0.87	1.59	0.75
NMCBT-12-12N-SS	SS316	3/4	3/4	1-1/16	1.99	0.87	1.59	0.75
NMCBT-16-16N-SS	SS316	1	1	1-3/8	2.46	1.05	1.97	0.94

NBMC Type – Bulkhead Male Connector (Imperial/Metric Range)





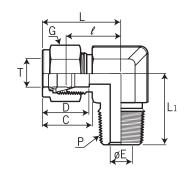
Imperial Range:

•	unit=mm																			
			Tube O.D.	D *	_	Widt	h acros	s flat						Panel	Panel					
	Ordering Code	Material	Т	'	Ε	F	F1	G	D	ℓ	ℓ_1	L	L ₁	Hole	Max.					
			in	in	in	in	in	in	(NPT)	Min	in	in	in						Drill Size	Thickness
	NBMC-02-2N-SS	SS316	1/8	1/8	2.28	1/2	1/2	7/16	12.70	39.88	24.63	46.48	31.24	8.33	12.70					
	NBMC-04-2N-SS	SS316	1/4	1/8	4.82	5/8	5/8	9/16	15.24	42.17	26.16	49.53	33.52	11.50	10.16					
	NBMC-04-4N-SS	SS316	1/4	1/4	4.82	5/8	5/8	9/16	15.24	45.98	26.16	53.34	33.52	11.50	10.16					
	NBMC-06-4N-SS	SS316	3/8	1/4	7.11	3/4	3/4	11/16	16.76	50.04	29.46	57.40	36.83	14.68	11.17					
	NBMC-08-6N-SS	SS316	1/2	3/8	9.39	15/16	15/16	7/8	22.86	53.08	31.75	63.24	41.91	19.44	12.70					
	NBMC-08-8N-SS	SS316	1/2	1/2	10.41	15/16	15/16	7/8	22.86	58.67	31.75	68.83	41.91	19.44	12.70					

Metric Range:	Metric Range: unit=														
Ordering Code	Ordering Code Material	Tube O.D.	P *	Е	Widt F	h acros	rcross flat	D	l	ℓ_1	L	L ₁	Panel Hole	Panel Max.	
		mm	(NPT)	Min	mm	mm	mm						Drill Size	Thickness	
NBMC-M06-2N-SS	SS316	6	1/8	2.28	14	17	14	17	41.90	26.0	51.0	35	11.60	12	
NBMC-M06-4N-SS	SS316	6	1/4	4.82	14	17	14	17	46.90	26.0	56.0	35	11.60	12	
NBMC-M10-4N-SS	SS316	10	1/4	7.11	17	19	19	18	52.10	29.5	60.5	38	16.40	10	
NBMC-M12-4N-SS	SS316	12	1/4	10.40	22	24	22	24	59.70	32.0	71.0	43	19,50	14	

NME Type – Male Elbow (Imperial Range)





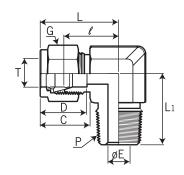
Imperial Range:

	:mi	

		Tube O.D.	P *	-	Width ac	ross flat					
Ordering Code	Material	Т	•	E	F	G	D	С	ℓ	L	L ₁
		in	(NPT)	Min	in	in					
NME-02-2N-SS	SS316	1/8	1/8	2.28	1/2	7/16	12.70	15.24	18.31	24.91	18.90
NME-02-4N-SS	SS316	1/8	1/4	2.28	1/2	7/16	12.70	15.24	18.31	24.91	23.36
NME-03-2N-SS	SS316	3/16	1/8	3.04	1/2	1/2	13.71	16.00	18.79	25.40	18.79
NME-03-4N-SS	SS316	3/16	1/4	3.04	1/2	1/2	13.71	16.00	18.79	25.40	23.36
NME-04-2N-SS	SS316	1/4	1/8	4.82	1/2	9/16	15.24	17.78	19.11	26.47	19.10
NME-04-4N-SS	SS316	1/4	1/4	4.82	1/2	9/16	15.24	17.78	19.82	27.18	23.87
NME-04-6N-SS	SS316	1/4	3/8	4.82	11/16	9/16	15.24	17.78	22.35	29.71	28.40
NME-04-8N-SS	SS316	1/4	1/2	4.82	13/16	9/16	15.24	17.78	24.61	31.97	35.10
NME-05-2N-SS	SS316	5/16	1/8	4.82	9/16	5/8	16.25	18.54	21.34	28.70	19.81
NME-05-4N-SS	SS316	5/16	1/4	6.35	9/16	5/8	16.25	18.54	22.41	29.77	24.50
NME-05-6N-SS	SS316	5/16	3/8	6.35	11/16	5/8	16.25	18.54	23.12	30.48	28.40
NME-06-2N-SS	SS316	3/8	1/8	4.82	5/8	11/16	16.76	19.30	23.12	30.48	20.60
NME-06-4N-SS	SS316	3/8	1/4	7.11	5/8	11/16	16.76	19.30	23.12	30.48	25.40
NME-06-6N-SS	SS316	3/8	3/8	7.11	11/16	11/16	16.76	19.30	23.88	31.24	28.44
NME-06-8N-SS	SS316	3/8	1/2	7,11	13/16	11/16	16.76	19.30	24.06	31.42	33.02
NME-06-12N-SS	SS316	3/8	3/4	7.11	1-1/16	11/16	16.76	19.30	29.72	37.08	36.83
NME-08-4N-SS	SS316	1/2	1/4	7.11	13/16	7/8	22.86	21.84	25.90	36.06	28.30
NME-08-6N-SS	SS316	1/2	3/8	9.65	13/16	7/8	22.86	21.84	25.90	36.06	28.30
NME-08-8N-SS	SS316	1/2	1/2	10.41	13/16	7/8	22.86	21.84	25.90	36.06	33.02
NME-08-12N-SS	SS316	1/2	3/4	10.41	1-1/16	7/8	22.86	21.84	29.71	39.87	36.83
NME-10-6N-SS	SS316	5/8	3/8	9.65	15/16	1	24.38	21.84	26.90	37.06	29.40
NME-10-8N-SS	SS316	5/8	1/2	11.93	15/16	1	24.38	21.84	26.90	37.06	34.00
NME-10-12N-SS	SS316	5/8	3/4	12.70	1-1/16	1	24.38	21.84	29.71	39.87	36,83
NME-12-8N-SS	SS316	3/4	1/2	11.93	1-1/16	1-1/8	24.38	21.84	29.71	39.87	37.00
NME-12-12N-SS	SS316	3/4	3/4	15.74	1-1/16	1-1/8	24.38	21.84	29.71	39.87	36.83
NME-14-12N-SS	SS316	7/8	3/4	15.74	1-1/4	1-1/4	25.90	21.84	34.54	44.70	41.65
NME-16-12N-SS	SS316	1	3/4	15.74	1-27/64	1-1/2	31.24	26.41	36.83	49.02	42.20
NME-16-16N-SS	SS316	1	1	22.35	1-27/64	1-1/2	31.24	26.41	36.83	49.02	46.70

NME-M Type – Male Elbow (Metric Range)

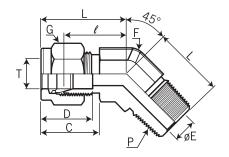




Metric Range: ISO Tapered Thread

metric Range. 100		Tube O.D.	P *	_	Width ac	ross flat					unit=mm
Ordering Code	Material	Т		Е	F	G	D	С	ℓ	L	Lı
		mm	R(PT)	Min	mm	mm					
NME-M03-2R-SS	SS316	3	1/8	2.4	12.7	12	12.9	15.3	17.0	23.6	17.8
NME-M03-4R-SS	SS316	3	1/4	2.4	12.7	12	12.9	15.3	18.0	24.6	23.4
NME-M04-2R-SS	SS316	4	1/8	2.4	12.7	12	13.7	16.1	18.8	25.4	18.8
NME-M04-4R-SS	SS316	4	1/4	2.4	12.7	12	13.7	16.1	18.8	25.4	23.4
NME-M06-2R-SS	SS316	6	1/8	4.8	12.7	14	15.3	17.7	19.6	27.0	18.8
NME-M06-4R-SS	SS316	6	1/4	4.8	12.7	14	15.3	17.7	19.6	27.0	23.4
NME-M06-6R-SS	SS316	6	3/8	4.8	17.5	14	15.3	17.7	22.4	29.8	26.2
NME-M06-8R-SS	SS316	6	1/2	4.8	20.6	14	15.3	17.7	24.4	31.8	33.0
NME-M08-2R-SS	SS316	8	1/8	4.8	14.3	16	16.2	18.6	21.3	28.8	19.8
NME-M08-4R-SS	SS316	8	1/4	6.4	14.3	16	16.2	18.6	21.3	28.8	24.4
NME-M08-6R-SS	SS316	8	3/8	6.4	17.5	16	16.2	18.6	23.1	30.6	28.5
NME-M08-8R-SS	SS316	8	1/2	6.4	20.6	16	16.2	18.6	25.1	32.6	33.0
NME-M10-2R-SS	SS316	10	1/8	4.8	17.5	19	17.2	19.5	23.9	31.5	23.6
NME-M10-4R-SS	SS316	10	1/4	7.1	17.5	19	17.2	19.5	23.9	31.5	28.2
NME-M10-6R-SS	SS316	10	3/8	7.9	17.5	19	17.2	19.5	23.9	31.5	28.2
NME-M10-8R-SS	SS316	10	1/2	7.9	20.6	19	17.2	19.5	25.9	33.5	33.0
NME-M12-2R-SS	SS316	12	1/8	4.8	20.6	22	22.8	22.0	25.9	36.0	23.6
NME-M12-4R-SS	SS316	12	1/4	7.1	20.6	22	22.8	22.0	25.9	36.0	28.2
NME-M12-6R-SS	SS316	12	3/8	9.5	20.6	22	22.8	22.0	25.9	36.0	28.2
NME-M12-8R-SS	SS316	12	1/2	9.5	20.6	22	22.8	22.0	29.7	36.0	33.0
NME-M12-12R-SS	SS316	12	3/4	9.5	27.0	22	22.8	22.0	27.9	39.8	36.8
NME-M16-6R-SS	SS316	16	3/8	9.5	25.4	25	24.4	22.0	27.9	38.0	30.2
NME-M16-8R-SS	SS316	16	1/2	11.9	25.4	25	24.4	22.0	29.7	38.0	35.1
NME-M16-12R-SS	SS316	16	3/4	12.7	27.0	25	24.4	22.0	29.7	39.8	36.8
NME-M18-8R-SS	SS316	18	1/2	11.9	27.0	30	24.4	22.0	29.7	39.8	36.8
NME-M18-12R-SS	SS316	18	3/4	15.1	27.0	30	24.4	22.0	34.5	39.8	36.8
NME-M20-8R-SS	SS316	20	1/2	11.9	31.8	32	26.0	22.0	34.5	44.6	41.7
NME-M20-12R-SS	SS316	20	3/4	15.9	31.8	32	26.0	22.0	34.5	44.6	41.7
NME-M22-12R-SS	SS316	22	3/4	15.9	31.8	32	26.0	22.0	34.5	44.6	41.7
NME-M22-16R-SS	SS316	22	1	18.3	36.0	32	26.0	22.0	34.5	44.6	46.5
NME-M25-12R-SS	SS316	25	3/4	15.9	36.0	38	31.3	26.5	36.8	49.1	41.7
NME-M25-16R-SS	SS316	25	1	21.8	36.0	38	31.3	26.5	36.8	49.1	46.5





Imperial Range:

unit=mm

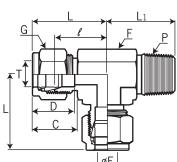
		Tube O.D.		_	Width ad	ross flat					
Ordering Code	Material	Т	P *	-	F	G	D	С	l	L	L ₁
		in	(NPT)	Min	in	in					
NLME-04-2N-SS	SS316	1/4	1/8	4.82	1/2	9/16	15.24	17.78	17.27	24.63	16.51
NLME-04-4N-SS	SS316	1/4	1/4	4.82	1/2	9/16	15.24	17.78	17.27	24.63	21.08
NLME-06-2N-SS	SS316	3/8	1/8	4,82	5/8	11/16	16.76	19,30	20,57	27.94	18.28
NLME-06-4N-SS	SS316	3/8	1/4	7.11	5/8	11/16	16.76	19.30	20.57	27.94	22.86
NLME-06-6N-SS	SS316	3/8	3/8	7.11	13/16	11/16	16.76	19.30	21.84	29.21	24.13
NLME-08-6N-SS	SS316	1/2	3/8	9.65	13/16	7/8	22.86	21.84	21.84	32.00	24.13

NMRT Type – Male Run Tee (Imperial / Metric Range)

Imperial Range:

unit=mm





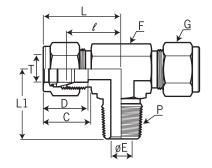
		Tube O.D.	D *	_	Width ac	ross flat					
Ordering Code	Material	T		_	F	G	D	С	ℓ	L	L ₁
		in	(NPI)	Min	in	in					
NMRT-02-2N-SS	SS316	1/8	1/8	2.28	1/2	7/16	12.70	15.24	18.31	24.91	18.90
NMRT-02-4N-SS	SS316	1/8	1/4	2.28	1/2	7/16	12.70	15.24	18.31	24.91	23.36
NMRT-03-2N-SS	SS316	3/16	1/8	3.04	1/2	1/2	13.71	16.00	17.77	24.38	17.78
NMRT-04-2N-SS	SS316	1/4	1/8	4.82	1/2	9/16	15.24	17.78	19.56	26.92	18.79
NMRT-04-4N-SS	SS316	1/4	1/4	4.82	1/2	9/16	15.24	17.78	19.72	27.08	23.37
NMRT-05-2N-SS	SS316	5/16	1/8	4.82	9/16	5/8	16.25	18.54	22.35	29.71	20.82
NMRT-06-4N-SS	SS316	3/8	1/4	7.11	5/8	1/16	16.76	19.30	23.12	30.48	25.40
NMRT-06-4N-SS	SS316	3/8	3/8	7.11	11/16	11/16	16.76	19.30	23.88	31.24	26.20
NMRT-08-6N-SS	SS316	1/2	3/8	9.65	13/16	7/8	22.86	21.84	25.90	36.06	28.19
NMRT-08-8N-SS	SS316	1/2	1/2	10.41	13/16	7/8	22.86	21.84	25.90	36.06	33.02
NMRT-10-8N-SS	SS316	5/8	1/2	11.93	15/16	1	24.86	21.84	27.46	38.10	35.05
NMRT-12-12N-SS	SS316	3/4	3/4	15.74	1-1/16	1-1/8	24.38	21.84	28.19	38.35	35.30
	NMRT-02-2N-SS NMRT-02-4N-SS NMRT-03-2N-SS NMRT-04-2N-SS NMRT-04-4N-SS NMRT-05-2N-SS NMRT-06-4N-SS NMRT-06-4N-SS NMRT-08-6N-SS NMRT-08-8N-SS	NMRT-02-2N-SS SS316 NMRT-02-4N-SS SS316 NMRT-03-2N-SS SS316 NMRT-04-2N-SS SS316 NMRT-04-4N-SS SS316 NMRT-05-2N-SS SS316 NMRT-06-4N-SS SS316 NMRT-06-4N-SS SS316 NMRT-08-6N-SS SS316 NMRT-08-8N-SS SS316 NMRT-08-8N-SS SS316	Ordering Code Material T in NMRT-02-2N-SS SS316 1/8 NMRT-02-4N-SS SS316 1/8 NMRT-03-2N-SS SS316 3/16 NMRT-04-2N-SS SS316 1/4 NMRT-04-4N-SS SS316 1/4 NMRT-05-2N-SS SS316 5/16 NMRT-06-4N-SS SS316 3/8 NMRT-06-4N-SS SS316 3/8 NMRT-08-6N-SS SS316 1/2 NMRT-08-8N-SS SS316 5/8	Ordering Code Material in T (NPT) NMRT-02-2N-SS SS316 1/8 1/8 NMRT-02-4N-SS SS316 1/8 1/4 NMRT-03-2N-SS SS316 3/16 1/8 NMRT-04-2N-SS SS316 1/4 1/8 NMRT-04-4N-SS SS316 1/4 1/4 NMRT-05-2N-SS SS316 5/16 1/8 NMRT-06-4N-SS SS316 3/8 1/4 NMRT-08-6N-SS SS316 1/2 3/8 NMRT-08-8N-SS SS316 1/2 1/2 NMRT-10-8N-SS SS316 5/8 1/2	Ordering Code Material T in (NPT) E Min NMRT-02-2N-SS SS316 1/8 1/8 2.28 NMRT-02-4N-SS SS316 1/8 1/4 2.28 NMRT-03-2N-SS SS316 3/16 1/8 3.04 NMRT-04-2N-SS SS316 1/4 1/8 4.82 NMRT-04-4N-SS SS316 1/4 1/4 4.82 NMRT-05-2N-SS SS316 5/16 1/8 4.82 NMRT-06-4N-SS SS316 3/8 1/4 7.11 NMRT-08-6N-SS SS316 1/2 3/8 9.65 NMRT-08-8N-SS SS316 1/2 1/2 10.41 NMRT-10-8N-SS SS316 5/8 1/2 11.93	Ordering Code Material in T in P * in E (NPT) F in NMRT-02-2N-SS SS316 1/8 1/8 2.28 1/2 NMRT-02-4N-SS SS316 1/8 1/4 2.28 1/2 NMRT-03-2N-SS SS316 3/16 1/8 3.04 1/2 NMRT-04-2N-SS SS316 1/4 1/8 4.82 1/2 NMRT-04-4N-SS SS316 1/4 1/4 4.82 1/2 NMRT-05-2N-SS SS316 3/8 1/4 7.11 5/8 NMRT-06-4N-SS SS316 3/8 3/8 7.11 11/16 NMRT-08-6N-SS SS316 1/2 3/8 9.65 13/16 NMRT-08-8N-SS SS316 1/2 1/2 10.41 13/16 NMRT-10-8N-SS SS316 5/8 1/2 11.93 15/16	Ordering Code Material T in (NPT) E Min F G in G in NMRT-02-2N-SS SS316 1/8 1/8 2.28 1/2 7/16 NMRT-02-4N-SS SS316 1/8 1/4 2.28 1/2 7/16 NMRT-03-2N-SS SS316 3/16 1/8 3.04 1/2 1/2 NMRT-04-2N-SS SS316 1/4 1/8 4.82 1/2 9/16 NMRT-04-4N-SS SS316 1/4 1/4 4.82 1/2 9/16 NMRT-05-2N-SS SS316 5/16 1/8 4.82 9/16 5/8 NMRT-06-4N-SS SS316 3/8 1/4 7.11 5/8 1/16 NMRT-08-6N-SS SS316 3/8 3/8 7.11 11/16 11/16 NMRT-08-8N-SS SS316 1/2 3/8 9.65 13/16 7/8 NMRT-10-8N-SS SS316 5/8 1/2 10.41 13/16 7/8	Ordering Code Material in T in (NPT) Min E in in in in in F in in G in in D NMRT-02-2N-SS SS316 1/8 1/8 2.28 1/2 7/16 12.70 NMRT-02-4N-SS SS316 1/8 1/4 2.28 1/2 7/16 12.70 NMRT-03-2N-SS SS316 3/16 1/8 3.04 1/2 1/2 13.71 NMRT-04-2N-SS SS316 1/4 1/8 4.82 1/2 9/16 15.24 NMRT-04-4N-SS SS316 1/4 1/4 4.82 1/2 9/16 15.24 NMRT-05-2N-SS SS316 5/16 1/8 4.82 9/16 5/8 16.25 NMRT-06-4N-SS SS316 3/8 1/4 7.11 5/8 1/16 16.76 NMRT-08-6N-SS SS316 1/2 3/8 9.65 13/16 7/8 22.86 NMRT-08-8N-SS SS316 1/2 1/2 10.41 13/16 7/8 22.	Ordering Code Material in T in F in G in D in C NMRT-02-2N-SS SS316 1/8 1/8 2.28 1/2 7/16 12.70 15.24 NMRT-02-4N-SS SS316 1/8 1/4 2.28 1/2 7/16 12.70 15.24 NMRT-03-2N-SS SS316 3/16 1/8 3.04 1/2 1/2 13.71 16.00 NMRT-04-2N-SS SS316 1/4 1/8 4.82 1/2 9/16 15.24 17.78 NMRT-04-4N-SS SS316 1/4 1/4 4.82 1/2 9/16 15.24 17.78 NMRT-05-2N-SS SS316 5/16 1/8 4.82 9/16 5/8 16.25 18.54 NMRT-06-4N-SS SS316 3/8 1/4 7.11 5/8 1/16 16.76 19.30 NMRT-08-6N-SS SS316 3/8 3/8 7.11 11/16 11/16 16.76 19.30 NMRT-08-8N-SS	Ordering Code Material in T in (NPT) in E in F in in in in G in in in D in C C NMRT-02-2N-SS SS316 1/8 1/8 2.28 1/2 7/16 12.70 15.24 18.31 NMRT-02-4N-SS SS316 1/8 1/4 2.28 1/2 7/16 12.70 15.24 18.31 NMRT-03-2N-SS SS316 3/16 1/8 3.04 1/2 1/2 13.71 16.00 17.77 NMRT-04-2N-SS SS316 1/4 1/8 4.82 1/2 9/16 15.24 17.78 19.56 NMRT-04-4N-SS SS316 1/4 1/4 4.82 1/2 9/16 15.24 17.78 19.72 NMRT-05-2N-SS SS316 5/16 1/8 4.82 9/16 5/8 16.25 18.54 22.35 NMRT-06-4N-SS SS316 3/8 1/4 7.11 5/8 1/16 16.76 19.30 23.12 NMRT-08-6N-	Ordering Code Material in T in (NPT) in E (NPT) in F in G in D in C L NMRT-02-2N-SS SS316 1/8 1/8 2.28 1/2 7/16 12.70 15.24 18.31 24.91 NMRT-02-4N-SS SS316 1/8 1/4 2.28 1/2 7/16 12.70 15.24 18.31 24.91 NMRT-03-2N-SS SS316 3/16 1/8 3.04 1/2 1/2 13.71 16.00 17.77 24.38 NMRT-04-2N-SS SS316 1/4 1/8 4.82 1/2 9/16 15.24 17.78 19.56 26.92 NMRT-04-4N-SS SS316 1/4 1/4 4.82 1/2 9/16 15.24 17.78 19.72 27.08 NMRT-05-2N-SS SS316 5/16 1/8 4.82 9/16 5/8 16.25 18.54 22.35 29.71 NMRT-06-4N-SS SS316 3/8 1/4 7.11 5/8

un	it=	mm	ì

Wettie Kange.										u	nit=mm
		Tube O.D.	Р*	_	Width ad	ross flat					
Ordering Code	Material	Т	•	Ε	F	G	D	С	ℓ	L	L ₁
		mm	(NPT)	Min	mm	mm					
NMRT-M03-2N-SS	SS316	3	1/8	2.4	12.7	12	12.9	15.3	17.0	23.6	17.6
NMRT-M03-4N-SS	SS316	3	1/4	2.4	12.7	12	12.9	15.3	18.0	24.6	23.4
NMRT-M04-2N-SS	SS316	4	1/8	2.4	12.7	12	13.7	16.1	18.8	25.4	18.8
NMRT-M06-2N-SS	SS316	6	1/8	4.8	12.7	14	15.3	17.7	19.6	27.0	18.8
NMRT-M06-4N-SS	SS316	6	1/4	4.8	14.2	14	15.3	17.7	19.6	27.0	23.4
NMRT-M08-2N-SS	SS316	8	1/8	4.8	14.3	16	16.2	18.6	21.3	28.8	19.8
NMRT-M08-4N-SS	SS316	8	1/4	6.4	17.5	16	16.2	18.6	21.3	28.8	24.4
NMRT-M10-4N-SS	SS316	10	1/4	7.1	17.5	19	17.2	19.5	23.9	31.5	28.2
NMRT-M10-6N-SS	SS316	10	3/8	7.9	20.6	19	17.2	19.5	23.9	31.5	28.2
NMRT-M12-4N-SS	SS316	12	1/4	7.1	20.6	22	22.8	22.0	25.9	36.0	28.2
NMRT-M12-6N-SS	SS316	12	3/8	9.5	20.6	22	22.8	22.0	25.9	36.0	28.2
NMRT-M12-8N-SS	SS316	12	1/2	9.5	20.6	22	22.8	22.0	25.9	36.0	33.0
NMRT-M16-6N-SS	SS316	16	3/8	9.5	25.4	25	24.4	22.0	27.9	38.0	30.2
NMRT-M16-8N-SS	SS316	16	1/2	11.9	25.4	25	24.4	22.0	27.9	38.0	35.1
NMRT-M20-12N-SS	SS316	20	3/4	15.9	31.8	32	26.0	22.0	34.5	44.6	41.7

NMBT Type – Male Branch Tee (Imperial / Metric Range)





Imperial Range:

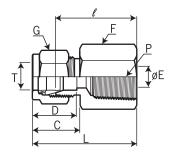
unit=mm

		Tube O.D.	P* E Widt		Width ac	cross flat					
Ordering Code	Material	Т		NPT) Min		G	D	С	ℓ	L	L ₁
		in	(NPI)	Min	in	in					
NMBT-02-2N-SS	SS316	1/8	1/8	2.28	1/2	7/16	12.70	15.24	18.31	24.91	18.90
NMBT-02-4N-SS	SS316	1/8	1/4	2.28	1/2	7/16	12.70	15.24	18.31	24.91	23,36
NMBT-03-2N-SS	SS316	3/16	1/8	3.04	1/2	1/2	13.71	16.00	17.77	24.38	17.78
NMBT-04-2N-SS	SS316	1/4	1/8	4.82	1/2	9/16	15.24	17.78	19.56	26.92	18.79
NMBT-04-4N-SS	SS316	1/4	1/4	4.82	1/2	9/16	15.24	17.78	19.72	27.08	23.37
NMBT-05-2N-SS	SS316	5/16	1/8	4.82	9/16	5/8	16.25	18.54	22.35	29.71	20.82
NMBT-06-4N-SS	SS316	3/8	1/4	7.11	5/8	1/16	16.76	19.30	23.12	30.48	25.40
NMBT-06-6N-SS	SS316	3/8	3/8	7.11	11/16	11/16	16.76	19.30	23.88	31.24	26.20
NMBT-08-6N-SS	SS316	1/2	3/8	9.65	13/16	7/8	22.86	21.84	25.90	36.06	28.19
NMBT-08-8N-SS	SS316	1/2	1/2	10.41	13/16	7/8	22,86	21.84	25.90	36.06	33.02
NMBT-10-8N-SS	SS316	5/8	1/2	11.93	15/16	1	24.86	21.84	27.46	38.10	35.05
NMBT-12-12N-SS	SS316	3/4	3/4	15.74	1-1/16	1-1/8	24.38	21.84	28.19	38.35	35.30

Metric Range:

		Tube O.D.			Width ac	cross flat					unit=mm
Ordering Code	Material	T	P * E F Min mm			G	D	С	l	L	L ₁
		mm	(NPT)	Min	mm	mm					
NMBT-M03-2N-SS	SS316	3	1/8	2.4	12.7	12	12.9	15.3	17.0	23.6	17.8
NMBT-M03-4N-SS	SS316	3	1/4	2.4	12.7	12	12.9	15.3	18.0	24.6	23.4
NMBT-M04-2N-SS	SS316	4	1/8	2.4	12.7	12	13.7	16.1	18.8	25.4	18.8
NMBT-M06-2N-SS	SS316	6	1/8	4.8	12.7	14	15.3	17.7	19.6	27.0	18.8
NMBT-M06-4N-SS	SS316	6	1/4	4.8	14.2	14	15.3	17.7	19.6	27.0	23.4
NMBT-M08-2N-SS	SS316	8	1/8	4.8	14.3	16	16.2	18.6	21.3	28.8	19.8
NMBT-M08-4N-SS	SS316	8	1/4	6.4	17.5	16	16.2	18.6	21.3	28.8	24.4
NMBT-M10-4N-SS	SS316	10	1/4	7.1	17.5	19	17.2	19.5	23.9	31.5	28.2
NMBT-M10-6N-SS	SS316	10	3/8	7.9	20.6	19	17.2	19.5	23.9	31.5	28.2
NMBT-M12-4N-SS	SS316	12	1/4	7.1	20.6	22	22.8	22.0	25.9	36.0	28.2
NMBT-M12-6N-SS	SS316	12	3/8	9.5	20.6	22	22.8	22.0	25.9	36.0	28.2
NMBT-M12-8N-SS	SS316	12	1/2	9.5	20.6	22	22.8	22.0	25.9	36.0	33.0
NMBT-M16-6N-SS	SS316	16	3/8	9.5	25.4	25	24.4	22.0	27.9	38.0	30.2
NMBT-M16-8N-SS	SS316	16	1/2	11.9	25.4	25	24.4	22.0	27.9	38.0	35.1
NMBT-M20-12N-SS	SS316	20	3/4	15.9	31.8	32	26.0	22.0	34.5	44.6	41.7





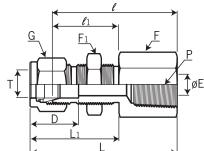
Imperial Rang	ge:									unit=mm
		Tube O.D.	Р*	Е	Width a	cross flat				
Ordering Code	Material	Ţ	(NPT)	Min	F	G	D	С	ℓ	L
		in			in	in				
NFC-02-2N-SS	SS316	1/8	1/8	2.28	9/16	7/16	12.70	15.24	22.10	28.70
NFC-02-4N-SS	SS316	1/8	1/4	2.28	3/4	7/16	12.70	15.24	26.92	33.52
NFC-03-2N-SS	SS316	3/16	1/8	3.04	9/16	1/2	13.71	16.00	23.10	29.71
NFC-04-2N-SS	SS316	1/4	1/8	4.82	9/16	9/16	15.24	17.78	23.88	31.24
NFC-04-4N-SS	SS316	1/4	1/4	4.82	3/4	9/16	15.24	17.78	28.45	35.81
NFC-04-6N-SS	SS316	1/4	3/8	4.82	7/8	9/16	15.24	17.78	30.23	37.59
NFC-04-8N-SS	SS316	1/4	1/2	4.82	1-1/16	9/16	15.24	17.78	35.05	42.41
NFC-05-2N-SS	SS316	5/16	1/8	6.35	9/16	5/8	16.25	17.78	24.64	32.00
NFC-05-4N-SS	SS316	5/16	1/4	6.35	3/4	5/8	16.25	18.54	29.47	36.83
NFC-06-2N-SS	SS316	3/8	1/8	7.11	5/8	11/16	16.76	18.54	25.40	32.76
NFC-06-4N-SS	SS316	3/8	1/4	7.11	3/4	11/16	16.76	19.30	30.23	37.59
NFC-06-6N-SS	SS316	3/8	3/8	7.11	7/8	11/16	16.76	19.30	31.75	39.11
NFC-06-8N-SS	SS316	3/8	1/2	7.11	1-1/16	11/16	16.76	19.30	36.58	43.94
NFC-06-12N-SS	SS316	3/8	3/4	7.11	1-5/16	11/16	22.86	19.30	40.39	47.75
NFC-08-4N-SS	SS316	1/2	1/4	10.41	1-3/16	7/8	22.86	19.30	30.22	40.38
NFC-08-6N-SS	SS316	1/2	3/8	10.41	7/8	7/8	22.86	21.84	31.75	41.91
NFC-08-8N-SS	SS316	1/2	1/2	10.41	1-1/16	7/8	22.86	21.84	36.57	46.73
NFC-08-12N-SS	SS316	1/2	3/4	10.41	1-5/16	7/8	24.38	21.84	38.10	48.26
NFC-10-6N-SS	SS316	5/8	3/8	12.70	15/16	1	24.38	21.84	31.75	41.91
NFC-10-8N-SS	SS316	5/8	1/2	12.70	1-1/16	1	24.38	21.84	36.57	46.73
NFC-12-8N-SS	SS316	3/4	1/2	15.74	1-1/16	1-1/8	24.38	21.84	36.57	46.73
NFC-12-12N-SS	SS316	3/4	3/4	15.74	1-5/16	1-1/8	24.38	21.84	38.10	48.26
NFC-14-12N-SS	SS316	7/8	3/4	18.28	1-5/16	1-1/4	25.90	21.84	39.62	49.78
NFC-16-12N-SS	SS316	1	3/4	22.35	1-3/8	1-1/2	31.24	26.41	41.05	53.24
NFC-16-16N-SS	SS316	1	1	22.35	1/5/8	1-1/2	31.24	26.41	50.04	62.23

Metric Range: 15	SO Tape	red Thre	ead							unit=mm
		Tube O.D.	P *	Е		cross flat	_	_		_
Ordering Code	Material	Т	R(PT)	Min	F	G	D	С	ℓ	L
NFC-M03-2R-SS	SS316	mm 3	1/8	2.4	mm 14	mm 12	12.9	15.3	22.1	28.7
	SS316	3	1/4	2.4	19	12	12.9	15.3	26.9	33.5
NFC-M03-4R-SS NFC-M04-2R-SS	SS316		1/4		19	12	13.7	16.1	23.1	29.7
NFC-M04-2R-SS	SS316	4 6	1/8	2.4 4.8	14	14	15.7	17.7	23.1	31,3
NFC-M06-4R-SS	SS316	6	1/4	4.8	19	14	15.3	17.7	28.4	35,8
NFC-M06-4R-SS	SS316	6	3/8	4.8	22	14	15.3	17.7	29.5	36.9
NFC-M06-8R-SS	SS316	6	1/2	4.8	27	14	15.3	17.7	35.1	42.5
NFC-M08-2R-SS	SS316	8	1/8	6.4	15	16	16.2	18.6	24.6	32.1
NFC-M08-4R-SS	SS316	8	1/4	6.4	19	16	16.2	18.6	29.5	37.0
NFC-M08-6R-SS	SS316	8	3/8	6.4	22	16	16.2	18,6	30,2	37,7
NFC-M08-8R-SS	SS316	8	1/2	6.4	27	16	16.2	19,5	35.8	43,3
NFC-M10-2R-SS	SS316	10	1/8	7.9	18	19	17.2	19.5	25.4	33.0
NFC-M10-4R-SS	SS316	10	1/4	7.9	19	19	17.2	19,5	30.2	37,8
NFC-M10-6R-SS	SS316	10	3/8	7.9	22	19	17.2	19,5	31.0	38.6
NFC-M10-8R-SS	SS316	10	1/2	7.9	27	19	17.2	22.0	36.6	44.2
NFC-M12-2R-SS	SS316	12	1/8	8.3	22	22	22.8	22.0	28.4	38.5
NFC-M12-4R-SS	SS316	12	1/4	9.5	22	22	22.8	22.0	30.2	40.3
NFC-M12-6R-SS	SS316	12	3/8	9.5	22	22	22,8	22.0	31.0	41.1
NFC-M12-8R-SS	SS316	12	1/2	9.5	27	22	22.8	22.0	36.6	46.7
NFC-M12-12R-SS	SS316	12	3/4	9.5	35	22	22.8	22.0	38.9	49.0
NFC-M15-8R-SS	SS316	15	1/2	11.9	27	25	24.4	22.0	36.6	46.7
NFC-M16-8R-SS	SS316	16	1/2	12.7	27	25	24.4	22.0	36.8	46.9
NFC-M20-8R-SS	SS316	20	1/2	15.9	30	32	26.0	22.0	37.8	47.9
NFC-M20-12R-SS	SS316	20	3/4	15.9	35	32	26.0	22.0	39.6	49.7
NFC-M22-12R-SS	SS316	22	3/4	18.3	35	32	26.0	22.0	39.6	49.7
NFC-M22-16R-SS	SS316	22	1	18.3	41	32	26.0	22.0	47.8	57.9
NFC-M25-12R-SS	SS316	25	3/4	21.8	35	38	31.3	26.5	41.1	53.4
NFC-M25-16R-SS	SS316	25	1	21.8	41	38	31.3	26.5	50.0	62.3



NBFC Type – Bulkhead Female Connector (Imperial/Metric Range) Imperial Range:





	,												uı	IIIL=IIIIII
		Tube	P *	* E W		n acros	s flat						Panel	Panel
Ordering Code	Mat'l	O.D. T	(NPT)	_	F	F1	G	D	ℓ	ℓ_1	L	L ₁	Hole Drill	Max. Thick.
		in			in	in	in						Size	
NBFC-02-2N-SS	SS316	1/8	1/8	2.28	9/16	1/2	7/16	12.70	38.10	24.63	44.70	31.24	8.33	12.70
NBFC-04-2N-SS	SS316	1/4	1/8	4.82	5/8	5/8	9/16	15.24	39.63	26.16	46.99	33.52	11.50	10.16
NBFC-04-4N-SS	SS316	1/4	1/4	4.82	3/4	5/8	9/16	15.24	44.45	26.16	51.81	33.52	11.50	10.16
NBFC-06-4N-SS	SS316	3/8	1/4	7.11	3/4	3/4	11/16	16.76	47.75	29.46	55.11	36.83	14.68	11.17
NBFC-08-6N-SS	SS316	1/2	3/8	10.41	15/16	15/16	7/8	22.86	51.56	31.75	61.72	41.91	19.44	12.70
NBFC-08-8N-SS	SS316	1/2	1/2	10.41	1-1/16	15/16	7/8	22.86	56.38	31.75	66.54	41.91	19.44	12.70
NBFC-12-12N-SS	SS316	3/4	3/4	15.74	1-1/4	1-3/16	1-1/8	24.38	65.35	38.80	75.51	47.21	25.79	16.76

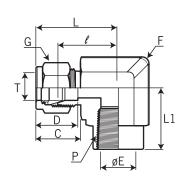
unit-mm

Metric Range: Width across flat Tube O.D. T Panel Panel P * Ε **Ordering Code** D ℓ_1 L Mat'l Hole Max. G (NPT) Min Drill Thick. mm mm mm mm Size NBFC-M06-2N-SS SS316 6 1/8 4.8 15.8 15.8 14 39.50 27.7 46.90 35.00 11.5 10.2 NBFC-M06-4N-SS SS316 6 1/4 4.8 19.0 16.0 14 15.3 44.40 26.2 51.80 33.60 11.5 10.2 NBFC-M08-4N-SS SS316 19.0 17.4 46.35 28.4 53.85 35.55 13.1 1/4 6.3 16 16.2 11.2 NBFC-M12-8N-SS 1/2 9.5 27.0 24.0 22 22.8 56.40 31.8 66.50 41.90 19.5 12.7

NFE Type - Female Elbow (Imperial/Metric Range)

Imperial Range:

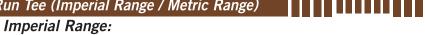




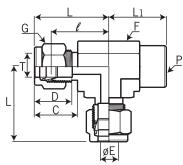
Imperial Ran	ige:									ur	nit=mm
		Tube O.D.	Р*	Е		ross flat					
Ordering Code	Mat'l	Ţ	•	_	F	G	D	С	l	L	L ₁
		in	(NPT)	Min	in	in					
NFE-02-2N-SS	SS316	1/8	1/8	2.28	1/2	7/16	12.70	15.24	18.03	24.63	19.05
NFE-02-4N-SS	SS316	1/8	1/4	2.28	11/16	7/16	12.70	15.24	21.22	27.82	22.35
NFE-03-2N-SS	SS316	3/16	1/8	3.04	1/2	1/2	13.71	16.00	18.79	25.40	19.05
NFE-04-2N-SS	SS316	1/4	1/8	4.82	1/2	9/16	15.24	17.78	19.56	26.92	19.05
NFE-04-4N-SS	SS316	1/4	1/4	4.82	11/16	9/16	15.24	17.78	22.35	29.71	22.35
NFE-04-6N-SS	SS316	1/4	3/8	4.82	13/16	9/19	15.24	17.78	24.39	31.75	22.35
NFE-04-8N-SS	SS316	1/4	1/2	4.82	1	9/16	15.24	17.78	27.18	34.54	28.44
NFE-05-2N-SS	SS316	5/16	1/8	6.35	9/16	5/8	16.25	18.54	21.34	28.70	19.05
NFE-05-4N-SS	SS316	5/16	1/4	6.35	11/16	5/8	16.25	18.54	23.12	30.48	22.35
NFE-06-2N-SS	SS316	3/8	1/8	7.11	5/8	11/16	16.76	19.30	23.12	30.48	19.05
NFE-06-4N-SS	SS316	3/8	1/4	7.11	11/16	11/16	16.76	19.30	23.88	31.24	22.35
NFE-06-6N-SS	SS316	3/8	3/8	7.11	13/16	11/16	16.76	19.30	25.91	33.27	22.35
NFE-06-8N-SS	SS316	3/8	1/2	7.11	1	11/16	16.76	19.30	28.70	36.06	28.44
NFE-08-4N-SS	SS316	1/2	1/4	10.41	13/16	7/8	22.86	21.84	25.90	36.06	22.35
NFE-08-6N-SS	SS316	1/2	3/8	10.41	13/16	7/8	22.86	21.84	25.92	36.06	22.35
NFE-08-8N-SS	SS316	1/2	1/2	10.41	1	7/8	22.86	21.84	28.70	38.86	28.44
NFE-10-6N-SS	SS316	5/8	3/8	12.70	15/16	1	24.38	21.84	27.94	38.10	20.35
NFE-10-8N-SS	SS316	5/8	1/2	12.70	1	1	24.38	21.84	29.71	39.87	28.44
NFE-12-8N-SS	SS316	3/4	1/2	15.74	1-1/16	1-1/8	24.38	21.84	29.71	39.87	28.44
NFE-12-12N-SS	SS316	3/4	3/4	15.74	1-1/4	1-1/8	24.38	21.84	34.54	44.70	37.75
NFE-14-12N-SS	SS316	7/8	3/4	18.28	1-1/4	1-1/4	25.90	21.84	34.54	44.70	31.75
NFE-16-12N-SS	SS316	1	3/4	22.35	1-27/64	1-1/2	31.24	26.41	36.83	49.02	31.75
NFE-16-16N-SS	SS316	1	1	22.35	1-11/16	1-1/2	31.24	26.41	38.10	50.29	38.10
14	100		T /	_				-	-	•	

Metric Range: ISO Tapered Thread														
		Tube O.D.	Р*	Е	Width ac	ross flat								
Ordering Code	Mat'l	Т	•	_	F	G	D	С	ℓ	L	L ₁			
		mm	R(PT)	Min	mm	mm								
NFE-M06-4R-SS	SS316	6	1/4	4.8	17.46	14	15.3	17.7	19.6	27.0	22.40			
NFE-M06-6R-SS	SS316	6	3/8	4.8	20.63	14	15.3	17.7	22.4	29.8	22.40			
NFE-M06-8R-SS	SS316	6	1/2	4.8	25.40	14	15.3	17.7	27.2	34.6	28.40			
NFE-M08-4R-SS	SS316	8	1/4	6.4	17.46	16	16.2	18.6	23.1	30.6	22.40			
NFE-M08-8R-SS	SS316	8	1/2	6.4	20.63	16	16.2	18.6	27.7	35.2	28.40			
NFE-M10-4R-SS	SS316	10	1/4	7.9	17.46	19	17.2	19.5	25.9	33.5	22.35			
NFE-M10-6R-SS	SS316	10	3/8	7.9	20.63	19	17.2	19.5	25.9	33.5	22.40			
NFE-M10-8R-SS	SS316	10	1/2	7.9	25.40	19	17.2	19.5	28.5	36.1	28.40			
NFE-M12-6R-SS	SS316	12	3/8	9.5	20.63	22	22.8	22.0	26.1	36.2	22.35			
NFE-M12-8R-SS	SS316	12	1/2	9.5	25.40	22	22.8	22.0	28.7	38.8	28.40			

NFRT Type - Female Run Tee (Imperial Range / Metric Range)







Imperial Rai	ige:									u	ınit=mm
		Tube O.D.	Р*	_	Width ac	ross flat					
Ordering Code	Material	Т	-	E	F	G	D	С	ℓ	L	L ₁
		in	(NPT)	Min	in	in					
NFRT-02-2N-SS	SS316	1/8	1/8	2.28	1/2	7/16	12.70	15.24	18.03	24.63	19.05
NFRT-04-2N-SS	SS316	1/4	1/8	4.82	1/2	9/16	15.24	17.78	19.56	26.92	19.05
NFRT-04-4N-SS	SS316	1/4	1/4	4.82	11/16	9/16	15.24	17.78	22.35	29.71	22.35
NFRT-06-4N-SS	SS316	3/8	1/4	7.11	11/16	11/16	16.76	19.30	23.88	31.24	22.35
NFRT-08-6N-SS	SS316	1/2	3/8	10.41	13/16	7/8	22.86	21.84	25.90	36.06	22.35
NFRT-08-8N-SS	SS316	1/2	1/2	10.41	1	7/8	22.86	21.84	29.71	39.87	28.44
NFRT-12-12N-S	SS316	3/4	3/4	15.74	1-1/4	1-1/8	24.38	21.84	34.54	44.70	31.75
				l .							

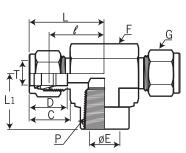
Metric	Range:	IS0	Tapered	Thread

		Tube O.D.	P *	_	Width ac	ross flat					
Ordering Code	Material	T		Ε	F	G	D	С	ℓ	L	L ₁
		mm	R(PT)	Min	mm	mm					
NFRT-M06-2R-SS	SS316	6	1/8	4.8	12.70	14	15.3	17.7	19.6	27.0	19.0
NFRT-M06-4R-SS	SS316	6	1/4	4.8	17.46	14	15.3	17.7	22.4	29.8	22.4
NFRT-M06-8R-SS	SS316	6	1/2	4.8	25.40	14	15.3	17.7	27.2	34.6	28.4
NFRT-M08-2R-SS	SS316	8	1/8	6.4	15.87	16	16.2	18.6	22.4	29.9	19.0
NFRT-M08-4R-SS	SS316	8	1/4	6.4	17.46	16	16.2	18.6	23.1	30.6	22.4
NFRT-M08-6R-SS	SS316	8	3/8	6.4	20.63	16	16.2	18.6	25.2	32.7	22.4
NFRT-M08-8R-SS	SS316	8	1/2	6.4	25.40	16	16.2	28.6	28.0	35.5	28.4
NFRT-M12-4R-SS	SS316	12	1/4	9.5	20.63	22	22.8	22.0	25.9	36.0	22.4
NFRT-M12-6R-SS	SS316	12	3/8	9.5	20.63	22	22.8	22.0	25.9	36.0	22.4
NFRT-M12-8R-SS	SS316	12	1/2	9.5	26.98	22	22.8	22.0	29.7	39.8	28.4
NFRT-M16-8R-SS	SS316	16	1/2	12.7	25.40	25	24.4	22.0	29.7	39.8	28.4

NFBT Type – Female Branch Tee (Imperial Range / Metric Range)



Imperial Range: unit=mm														
		Tube O.D.	Р*	Е	Width ac	ross flat								
Ordering Code	Material	T		_	F	G	D	С	ℓ	L	L ₁			
		in	(NPT)	Min	in	in								
NFBT-02-2N-SS	SS316	1/8	1/8	2.28	1/2	7/16	12.70	15.24	17.78	24.38	19.05			
NFBT-04-2N-SS	SS316	1/4	1/8	4.82	1/2	9/16	15.24	17.78	19.56	26.92	19.05			
NFBT-04-4N-SS	SS316	1/4	1/4	4.82	11/16	9/16	15.24	17.78	22.35	29.71	22.35			
NFBT-06-4N-SS	SS316	3/8	1/4	7.11	11/16	11/16	16.76	19.30	23.88	31.24	22.35			
NFBT-08-4N-SS	SS316	1/2	1/4	10.41	13/16	7/8	22.86	21.34	25.90	36.06	22.35			
NFBT-08-6N-SS	SS316	1/2	3/8	10.41	13/16	7/8	22.86	21.84	25.90	36.06	22.35			
NFBT-08-8N-SS	SS316	1/2	1/2	10.41	1	1	22.86	21.84	28.70	38.86	28.44			
NFBT-10-8N-SS	SS316	5/8	1/2	12.70	1	1-1/8	24.38	21.84	28.70	38.86	28.44			
NFBT-12-12N-SS	SS316	3/4	3/4	15.74	1-1/4	1-1/8	24.38	21.84	34.54	44.70	31.75			
NFBT-16-12N-SS	SS316	1	3/4	22.35	1-27/64	1-1/2	31.24	26.41	36.83	49.02	31.72			
NFBT-16-16N-SS	SS316	1	1	22,35	1-11/16	1-1/2	31.24	26.41	41.40	53.59	38.10			

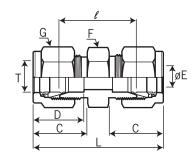


Metric Range:					u	nit=mm
	T. 0	_	Width across flat			

wellic hallge.	1				1					u	ınit=mm
		Tube O.D.	Р*	Е	Width ad	cross flat					
Ordering Code	Material	T		_	F	G	D	С	ℓ	L	L ₁
		mm	(NPT)	Min	mm	mm					
NFBT-M06-2N-SS	SS316	6	1/8	4.8	12.70	14	15.3	17.7	19.6	27.0	19.0
NFBT-M06-4N-SS	SS316	6	1/4	4.8	17.46	14	15.3	17.7	22.4	29.8	22.4
NFBT-M06-6N-SS	SS316	6	3/8	4.8	20.63	14	15.3	17.7	24.3	31.7	22.4
NFBT-M06-8N-SS	SS316	6	1/2	4.8	25.40	14	15.3	17.7	27.3	34.7	28.4
NFBT-M08-2N-SS	SS316	8	1/8	6.4	15.87	16	16.2	18.6	22.4	29.9	19.0
NFBT-M08-4N-SS	SS316	8	1/4	6.4	17.46	16	16.2	18.6	23.1	30.6	22.4
NFBT-M08-6N-SS	SS316	8	3/8	6.4	20.63	16	16.2	18.6	24.9	32.4	22.4
NFBT-M08-8N-SS	SS316	8	1/2	6.4	25.40	16	16.2	18.6	27.7	35.2	28.4
NFBT-M10-4N-SS	SS316	10	1/4	7.9	20.63	19	17.2	19.5	25.9	33.5	22.4
NFBT-M10-6N-SS	SS316	10	3/8	7.9	20.63	19	17.2	19.5	25.7	33.3	22.4
NFBT-M10-8N-SS	SS316	10	1/2	9.5	25.40	19	17.2	19.5	26.0	33.6	22.4
NFBT-M12-4N-SS	SS316	12	1/4	9.5	20.63	22	22.8	22.0	25.9	36.0	22.4
NFBT-M12-6N-SS	SS316	12	3/8	9.5	20.63	22	22.8	22.0	25.9	36.0	22.4
NFBT-M12-8N-SS	SS316	12	1/2	9.5	25.40	22	22.8	22.0	29.9	40.0	28.4
NFBT-M16-8N-SS	SS316	16	1/2	12.7	25.40	25	24.4	22.0	28.7	38.8	28.7

NU Type – Union (Imperial / Metric Range)





Imperial Range:

 ${\sf unit}{=}{\sf mm}$

Ordering Code Materia		Tube O.D.	E	Width ac	cross flat				
Ordering Code	Material	Т	_	F	G	D	С	l	L
		in	Min	in	in				
NU-01-SS	SS316	1/16	1.27	5/16	5/16	8.63	10.91	17.53	25.15
NU-02-SS	SS316	1/8	2.28	7/16	7/16	12.70	15.24	22.36	35.56
NU-03-SS	SS316	3/16	3.04	7/16	1/2	13.71	16.00	24.11	37.33
NU-04-SS	SS316	1/4	4.82	1/2	9/16	15.24	17.78	26.17	40.89
NU-05-SS	SS316	5/16	6.35	9/16	5/8	16.25	18.54	28.20	42.92
NU-06-SS	SS316	3/8	7.11	5/8	11/16	16.76	19.30	30,23	44.95
NU-08-SS	SS316	1/2	10.41	13/16	5/8	22,86	21.84	30.98	51.30
NU-10-SS	SS316	5/8	12.70	15/16	1	24.38	21.84	31.75	52.07
NU-12-SS	SS316	3/4	15.74	1-1/16	1-1/8	24.38	21.84	33.27	53.59
NU-14-SS	SS316	7/8	18.28	1-3/16	1-1/4	25.90	21.84	35.05	55.37
NU-16-SS	SS316	1	22.35	1-3/8	1-1/2	31.24	26.41	40.39	64.77
NU-20-SS	SS316	1-1/4	27.61	1-3/4	1-7/8	41.10	38.80	48.00	92.20

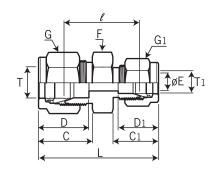
Metric Range:

Ordering Code Ma		Tube O.D.	-	Width ac	cross flat				
Ordering Code	Material	Т	E	F	G	D	С	ℓ	L
		mm	Min	mm	mm				
NU-M02-SS	SS316	2	1.7	12	12	12.9	15.3	22.4	35.6
NU-M03-SS	SS316	3	2.4	12	12	12.9	15.3	22.1	35.3
NU-M04-SS	SS316	4	2.4	12	12	13.7	16.1	24.1	37.3
NU-M06-SS	SS316	6	4.8	14	14	15.3	17.7	26.2	41.0
NU-M08-SS	SS316	8	6.4	15	16	16.2	18.6	28.2	43.2
NU-M10-SS	SS316	10	7.9	18	19	17.2	19.5	31.0	46.2
NU-M12-SS	SS316	12	9.5	22	22	22.8	22.0	31.0	51.2
NU-M15-SS	SS316	15	11.9	24	25	24.4	22.0	31.8	52.0
NU-M20-SS	SS316	20	15.9	30	32	26.0	22.0	34.8	55.0
NU-M22-SS	SS316	22	18.3	30	32	26.0	22.0	34.8	55.0
NU-M25-SS	SS316	25	21.8	35	38	31,3	26.5	40.4	65.0

NRU Type – Reducing Union (Imperial / Metric Range)







Imperial Range:

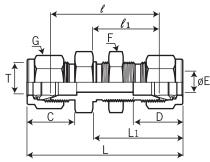
Imperial Range	:												unit=mm
		Tube	O. D.	_	Widt	th across	flat						
Ordering Code	Material	Т	T 1	E	F	G	G1	D	D ₁	С	C ₁	ℓ	L
		in	in	Min	Min	in	in						
NRU-02-01-SS	SS316	1/8	1/16	1.27	7/16	7/16	5/16	12.70	8.63	15.24	10.92	17.71	30.91
NRU-03-01-SS	SS316	3/16	1/8	2.28	7/16	1/2	7/16	13.71	12.70	16.00	15.24	23.35	36.57
NRU-04-02-SS	SS316	1/4	1/8	2.28	1/2	9/16	7/16	15.24	12.70	17.78	15.24	23.88	38.60
NRU-04-03-SS	SS316	1/4	3/16	3.04	1/2	9/16	1/2	15.24	13.71	17.78	16.00	25.40	39.37
NRU-05-02-SS	SS316	5/16	1/8	2.28	9/16	5/8	7/16	16.25	12.70	18.54	15.24	25.90	39.87
NRU-05-04-SS	SS316	5/16	1/4	4.82	9/16	11/16	9/16	16.25	15.24	18.54	17.78	27.43	42.16
NRU-06-02-SS	SS316	3/8	1/8	2,28	5/8	11/16	7/16	16.76	12.70	19.30	15.24	26.92	40.89
NRU-06-04-SS	SS316	3/8	1/4	4.82	5/8	11/16	9/16	16.76	15.24	19.30	17.78	28.44	43.18
NRU-06-05-SS	SS316	3/8	5/16	6.35	5/8	7/8	5/8	16.76	16.25	19.30	18.54	29.46	44.19
NRU-08-02-SS	SS316	1/2	1/8	2.28	13/16	7/8	7/16	22.86	12.70	21.84	15.24	28.44	45.21
NRU-08-04-SS	SS316	1/2	1/4	4.82	13/16	7/8	9/16	22.86	15.24	21.84	17.78	29.46	46.99
NRU-08-06-SS	SS316	1/2	3/8	7.11	13/16	1	11/16	22.86	16.76	17.78	19.30	30.98	48.51
NRU-10-06-SS	SS316	5/8	3/8	7.11	15/16	1	11/16	24.38	16.76	21.84	19.30	31.75	49.27
NRU-10-08-SS	SS316	5/8	1/2	10.41	15/16	1-1/8	7/8	24.38	22.86	21.84	21.84	31.75	52.07
NRU-12-04-SS	SS316	3/4	1/4	4.82	1-1/16	1-1/8	9/16	24.38	15.24	21.84	17.78	31.75	49.27
NRU-12-06-SS	SS316	3/4	3/8	7.11	1-1/16	1-1/8	11/16	24.38	16.76	21.84	19.30	33.27	50.80
NRU-12-08-SS	SS316	3/4	1/2	10.41	1-1/16	1-1/8	7/8	24.38	22.86	21.84	21.84	33.27	53.59
NRU-12-10-SS	SS316	3/4	5/8	12.70	1-1/16	1-1/8	1	24.38	24.38	21.84	21.84	33.27	53.59
NRU-16-08-SS	SS316	1	1/2	10.41	1-3/8	1-1/2	7/8	31.24	22.86	26.41	21.84	40.89	63.24
NRU-16-12-SS	SS316	1	3/4	15.74	1-3/8	1-1/2	1-1/8	31.24	24.38	26.41	21.84	40.38	62.73

Metric Karige:	Tube O. D. Width across flat													
		Tube	O. D.	_	Widt	th across	flat							
Ordering Code	Material	Т	T 1	E	F	G	G1	D	D 1	С	C ₁	ℓ	L	
		mm	mm	Min	mm	mm	mm							
NRU-M06-M03-SS	SS316	6	3	2.4	14	14	12	15.3	12.9	17.7	15.3	24.6	38.6	
NRU-M06-M04-SS	SS316	6	4	2.4	14	14	12	15.3	13.7	17.7	16.1	25.4	39.4	
NRU-M08-M06-SS	SS316	8	6	4.8	15	16	14	16.2	15.3	18.6	17.7	27.4	42.3	
NRU-M10-M06-SS	SS316	10	6	4.8	18	19	14	17.2	15.3	19.5	17.7	29.5	44.5	
NRU-M10-M08-SS	SS316	10	8	6.4	18	19	16	17.2	16.2	19.5	18.6	30.0	45.1	
NRU-M12-M06-SS	SS316	12	6	4.8	22	22	14	22.8	15.3	22.0	17.7	29.5	47.0	
NRU-M12-M08-SS	SS316	12	8	6.4	22	22	16	22.8	16.2	22.0	18.6	30.2	47.8	
NRU-M12-M10-SS	SS316	12	10	7.9	22	22	19	22.8	17.2	22.0	19.5	31.0	48.7	
NRU-M16-M12-SS	SS316	16	12	9.5	24	25	22	24.4	22.8	22.0	22.0	31.8	52.0	
NRU-M25-M18-SS	SS316	25	18	15.1	35	38	30	31.3	24.4	26.5	22.0	38.6	60.0	
NRU-M25-M20-SS	SS316	25	20	15.9	35	38	32	31.3	26.0	26.5	22.0	39.9	62.3	

NBU Type – Bulkhead Union (Imperial / Metric Range)







Imperial Range:

unit=mm

Oudevises Code Metaviel	Tube O.D.	_	Width ad	cross flat							Panel	Panel	
Ordering Code	Material	Т	E	F	G	D	С	ℓ	ℓ_1	L	L ₁	Hole	Max.
		in	Min	Min	in							Drill Size	Thickness
NBU-01-SS	SS316	1/16	1.27	5/16	5/16	8.63	10.92	23.88	13.46	31.50	17.27	5.16	3.05
NBU-02-SS	SS316	1/8	2.28	1/2	7/16	12.70	15.24	38.10	24.63	51.30	31.24	8.33	12.70
NBU-03-SS	SS316	3/16	3.04	9/16	1/2	13.71	16.00	40.37	25.40	53.59	32.00	9.92	12.70
NBU-04-SS	SS316	1/4	4.82	5/8	9/16	15.24	17.78	42.93	26.16	57.65	35.52	11.50	10.16
NBU-05-SS	SS316	5/16	6.35	11/16	5/18	16.25	18.54	45.98	28.44	60.70	35.81	13.09	11.17
NBU-06-SS	SS316	3/8	7.11	3/4	11/16	16.76	19.30	47.51	29.46	62.23	36.83	14.65	11.17
NBU-08-SS	SS316	1/2	10.41	15/16	7/8	22.86	21.84	50.80	31.75	71.12	41.91	19.44	12.70
NBU-10-SS	SS316	5/8	12.70	1-1/16	1	24.38	21.84	52.32	32.51	72.64	42.67	22,62	12.70
NBU-12-SS	SS316	3/4	15.74	1-3/16	1-1/8	24.38	21.84	58.67	37.33	78.99	47.49	25.79	16.76
NBU-14-SS	SS316	7/8	18.28	1-3/8	1-1/4	25.90	21.84	64.26	42.92	84.58	53.08	28.97	19.05
NBU-16-SS	SS316	1	22.35	1-5/8	1-1/2	31.24	26.41	71.37	45.21	95.75	57.40	33.73	19.05

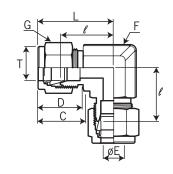
Metric Range:

	Tube O.D.	Е	Widt	h acros	s flat							Panel	Panel	
Ordering Code	Material	Т	_	F	F1	G	D	С	ℓ	ℓ_1	L	L ₁	Hole	Max.
		mm	Min	mm	mm	mm							Drill Size	Thickness
NBU-M03-SS	SS316	3	2.4	14	12.7	12	12.9	15.3	38.1	24.6	51.3	31.2	8.3	12.7
NBU-M04SS	SS316	4	2.4	14	14.3	12	13.7	15.3	40.4	25.4	53.6	32.0	9.9	12.7
NBU-M06-SS	SS316	6	4.8	16	15.9	14	15.3	16.1	42.9	26.2	57.7	33.6	11.5	10.2
NBU-M08-SS	SS316	8	6.4	16	17.5	16	16.2	17.7	46.0	28.6	61.0	36.1	13.1	11.2
NBU-M10-SS	SS316	10	7.9	22	22.0	19	17.2	18.6	48.5	29.4	63.7	37.0	16.2	11.2
NBU-M12-SS	SS316	12	9.5	24	23.8	22	22.8	19.5	50.8	31.8	71.0	41.9	19.5	12.7
NBU-M15-SS	SS316	15	11.9	27	27.0	25	24.4	22.0	52.3	32.5	72.5	42.6	22.8	12.7
NBU-M16-SS	SS316	16	12.7	27	27.0	25	24.4	22.0	52.3	32.5	72.5	42.6	22.8	12.7
NBU-M18-SS	SS316	18	15.1	30	30.0	30	24.4	22.0	58.7	37.7	78.9	47.4	26.0	16.8
NBU-M20-SS	SS316	20	15.9	35	35.0	32	26.0	22.0	64.3	42.9	84.5	53.0	29.0	17.0
NBU-M22-SS	SS316	22	18.3	35	35.0	32	26.0	22.0	64.3	42.9	84.5	53.0	29.0	19.1
NBU-M25-SS	SS316	25	21.8	41	41.3	38	31.3	26.5	71.4	45.2	95.9	57.5	33.7	19.1

[•] Metric Tubes Bulkhead Hexgon Application Only

NUE Type – Union Elbow (Imperial / Metric Range)





Imperial Range:

unit=mm

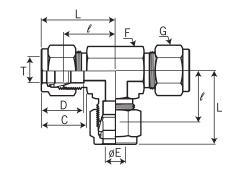
		Tube O.D.	F	Width a	cross flat				
Ordering Code	Material	T	E	F	G	D	С	ℓ	L
		in	Min	in	in				
NUE-01-SS	SS316	1/16	1.27	3/8	5/16	8.63	10.92	14.07	17.88
NUE-02-SS	SS316	1/8	2.28	3/8	7/16	12.70	15.24	15.75	22.35
NUE-03-SS	SS316	3/16	3.04	1/2	1/2	13.71	16.00	17.77	24.38
NUE-04-SS	SS316	1/4	4.82	1/2	9/16	15.24	17.78	19.56	26.92
NUE-05-SS	SS316	5/16	6.35	9/16	5/8	16.25	18.54	21.34	28.70
NUE-06-SS	SS316	3/8	7.11	5/8	11/16	16.76	19.30	23.12	30.48
NUE-08-SS	SS316	1/2	10.41	13/16	7/8	22.86	21.84	25.90	36.06
NUE-10-SS	SS316	5/8	12.70	15/16	1	24.38	21.84	28.64	38.80
NUE-12-SS	SS316	3/4	15.74	1-1/6	1-1/8	24.38	21.84	29.71	39.87
NUE-14-SS	SS316	7/8	18.28	1-1/4	1-1/4	25.90	21.84	34.54	44.70
NUE-16-SS	SS316	1	22.35	1-27/64	1-1/2	31.24	26.41	36.83	49.02

Metric Range:

Ordering Code		Tube O.D.	-	Width ac	ross flat				
Ordering Code	Material	Т	E	F	G	D	С	ℓ	L
		mm	Min	mm	mm				
NUE-M02-SS	SS316	2	1.7	9.5	12	12.9	15.3	15.7	22.3
NUE-M03-SS	SS316	3	2.4	9.5	12	12.9	15.3	15.7	22.3
NUE-M04-SS	SS316	4	2.4	12.7	12	13.7	16.4	18.8	25.4
NUE-M06-SS	SS316	6	4.8	12.7	14	15.3	17.7	19.6	27.0
NUE-M08-SS	SS316	8	6.4	14.3	16	16.2	18.6	21.3	28.8
NUE-M10-SS	SS316	10	7.9	17.5	19	17.2	19.5	23.9	31.5
NUE-M12-SS	SS316	12	9.5	20.6	22	22.8	22.0	25.9	36.0
NUE-M15-SS	SS316	15	11.9	25.4	25	24.4	22.0	28.7	38.8
NUE-M16-SS	SS316	16	12.7	25.4	25	24.4	22.0	28.7	38.8
NUE-M18-SS	SS316	18	15.1	27.0	30	24.4	22.0	29.7	39.8
NUE-M20-SS	SS316	20	15.9	31.8	32	26.0	22.0	32.5	42.6
NUE-M22-SS	SS316	22	18.3	31.8	32	26.0	22.0	32.5	42.6
NUE-M25-SS	SS316	25	21.8	36.0	38	31.3	26.5	36.8	49.1

NUT Type – Union Tee (Imperial / Metric Range)





Imperial Range:

unit=mm

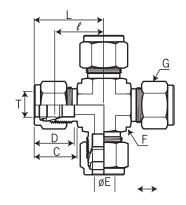
		Tube O. D.	Е	Width a	cross flat				
Ordering Code	Material	Т	_	F	G	D	С	l	L
		in	Min	in	in				
NUT-01-SS	SS316	1/16	1.27	3/8	5/16	8.63	10.92	14.07	17.88
NUT-02-SS	SS316	1/8	2.28	3/8	7/16	12.70	15.24	15.75	22.35
NUT-03-SS	SS316	3/16	3.04	1/2	1/2	13.71	16.00	17.77	24,38
NUT-04-SS	SS316	1/4	4.82	1/2	9/16	15.24	17.78	19.56	26.92
NUT-05-SS	SS316	5/16	6.35	9/16	5/8	16.25	18.54	21.34	28.70
NUT-06-SS	SS316	3/8	7.11	5/8	11/16	16.76	19.30	23.12	30.48
NUT-08-SS	SS316	1/2	10.41	13/16	7/8	22.86	21.84	25.90	36.06
NUT-10-SS	SS316	5/8	12.70	15/16	1	24.38	21.84	28.64	38.80
NUT-12-SS	SS316	3/4	15.74	1-1/6	1-1/8	24.38	21.84	29.71	39.87
NUT-14-SS	SS316	7/8	18.28	1-1/4	1-1/4	25.90	21.84	34.54	44.70
NUT-16-SS	SS316	1	22.35	1-27/64	1-1/2	31.24	26.41	36.83	49.02

Metric Range:

		Tube O. D.	Е	Width a	ross flat				
Ordering Code	Material	Т	_	F	G	D	С	ℓ	L
		mm	Min	mm	mm				
NUT-M02-SS	SS316	2	1.7	9.5	12	12.9	15.3	15.7	22.3
NUT-M03-SS	SS316	3	2.4	9.5	12	12.9	15.3	15.7	22.3
NUT-M04-SS	SS316	4	2.4	12.7	12	13.7	16.1	18.8	25.4
NUT-M06-SS	SS316	6	4.8	12.7	14	15.3	17.7	19.6	27.0
NUT-M08-SS	SS316	8	6.4	14.3	16	16.2	18.6	21.3	28.8
NUT-M10-SS	SS316	10	7.9	17.5	19	17.2	19.5	23.9	31.5
NUT-M12-SS	SS316	12	9.5	20.6	22	22.8	22.0	25.9	36.0
NUT-M15-SS	SS316	15	11.9	25.4	25	24.4	22.0	28.7	38.8
NUT-M16-SS	SS316	16	12.7	25.4	25	24.4	22.0	28.7	38.8
NUT-M18-SS	SS316	18	15.1	27.0	30	24.4	22.0	29.7	39.8
NUT-M20-SS	SS316	20	15.9	31.8	32	26.0	22.0	32.5	42.6
NUT-M22-SS	SS316	22	18.3	31.8	32	26.0	22.0	32.5	42.6
NUT-M25-SS	SS316	25	21.8	36.0	38	31.3	26.5	36.8	49.1

NUC Type – Union Cross (Imperial / Metric Range)





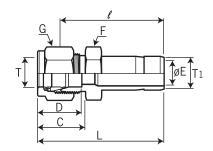
Imperial Range:

Imperial Range: unit=mm													
		Tube O.D.	Е	Width ac	ross flat								
Ordering Code	Material	Т	Min	F	G	D	С	ℓ	L				
		in	IVIIII	in	in								
NUC-01-SS	SS316	1/16	1.27	3/8	5/16	8.63	10.92	14.07	17.88				
NUC-02-SS	SS316	1/8	2.28	3/8	7/16	12.70	15.24	15.75	22.35				
NUC-03-SS	SS316	3/16	3.04	1/2	1/2	13.71	16.00	17.77	24.38				
NUC-04-SS	SS316	1/4	4.82	1/2	9/16	15.24	17.78	19.56	26.92				
NUC-05-SS	SS316	5/16	6.35	1/2	5/8	16.25	18.54	21.34	28.70				
NUC-06-SS	SS316	3/8	7.11	11/16	11/16	16.76	19,30	23.12	30.48				
NUC-08-SS	SS316	1/2	10.41	13/16	7/8	22.86	21.84	25.90	36.06				
NUC-10-SS	SS316	5/8	12.70	13/16	1	24.38	21.84	28.64	38.80				
NUC-12-SS	SS316	3/4	15.74	1	1-1/8	24.38	21.84	29.71	39.87				
NUC-14-SS	SS316	7/8	18.28	1-1/4	1-1/4	25.90	21.84	34.54	44.70				
NUC-16-SS	SS316	1	22.35	1-27/64	1-1/2	31.24	26.41	36.83	49.02				

Wetric Range:												
		Tube O.D.	Е	Width a	cross flat							
Ordering Code	Material	Т		F	G	D	С	ℓ	L			
		mm	Min	mm	mm							
NUC-M03-SS	SS316	3	2.4	9.5	12	12.9	15.3	15.7	22.3			
NUC-M06-SS	SS316	6	4.8	12.7	14	15.3	17.7	19.6	27.0			
NUC-M08-SS	SS316	8	6.4	14.3	16	16.2	18.6	21.3	28.8			
NUC-M10-SS	SS316	10	7.9	17.5	19	17.2	19.5	23.9	31.5			
NUC-M12-SS	SS316	12	9.5	20,6	22	22.8	22.0	25.9	36.0			
NUC-M16-SS	SS316	16	12.7	25.4	25	24.4	22.0	28.7	38.8			
NUC-M18-SS	SS316	18	15.1	27.0	30	24.4	22.0	29.7	39.8			
NUC-M20-SS	SS316	20	15.9	31.8	32	26.0	22.0	32.5	42.6			
NUC-M25-SS	SS316	25	21.8	36.0	38	31.3	26.5	36.8	49.1			

NR Type – Reducer (Imperial Range)





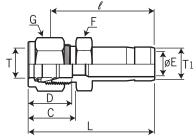
Imperial Range:

		Tube	O. D.	-	Width ac	ross flat				umt=mm
Ordering Code	Material	T	T1	E	F	G	D	С	ℓ	L
		in	in	Min	in	in				
NR-02-01-SS	SS316	1/8	1/16	0.76	7/16	7/16	12.70	15.24	22.35	28.95
NR-02-02-SS	SS316	1/8	1/8	2.03	7/16	7/16	12.70	15.24	26.92	33.52
NR-02-03-SS	SS316	1/8	3/16	2.28	7/16	7/16	12.70	15.24	27.69	34.29
NR-02-04-SS	SS316	1/8	1/4	2.28	7/16	7/16	12.70	15.24	29.46	36.06
NR-02-06-SS	SS316	1/8	3/8	2.28	7/16	7/16	12.70	15.24	30.99	37.59
NR-02-08-SS	SS316	1/8	1/2	2,28	9/16	7/16	12.70	15.24	37.59	44.19
NR-03-02-SS	SS316	3/16	1/8	2.03	7/16	1/2	13.71	16.00	28.18	34.79
NR-03-04-SS	SS316	3/16	1/4	3.04	7/16	1/2	13.71	16.00	30.47	37.08
NR-04-02-SS	SS316	1/4	1/8	2.03	1/2	9/16	15.24	17.78	29.47	36.83
NR-04-03-SS	SS316	1/4	3/16	3.04	1/2	9/16	15.24	17.78	30.23	37.59
NR-04-04-SS	SS316	1/4	1/4	4.82	1/2	9/16	15.24	17.78	31.75	39.11
NR-04-05-SS	SS316	1/4	5/16	4.82	1/2	9/16	15.24	17.78	32.51	39.87
NR-04-06-SS	SS316	1/4	3/8	4.82	1/2	9/16	15.24	17.78	33.28	40.64
NR-04-08-SS	SS316	1/4	1/2	4.82	9/16	9/16	15.24	17.78	38.86	46.22
NR-04-10-SS	SS316	1/4	5/8	4.82	11/16	9/16	15.24	17.78	40.64	48.00
NR-04-12-SS	SS316	1/4	3/4	4.82	13/16	9/16	15.24	17.78	40.39	47.75
NR-05-06-SS	SS316	5/16	3/8	6.35	9/16	5/8	16.25	18.54	34.55	41.91
NR-05-08-SS	SS316	5/16	1/2	6.35	9/16	5/8	16.25	18.54	40.13	47.49
NR-06-04-SS	SS316	3/8	1/4	4.82	5/8	11/16	16.76	19.30	34.04	41.40
NR-06-06-SS	SS316	3/8	3/8	7.11	5/8	11/16	16.76	19.30	35.82	43.18
NR-06-08-SS	SS316	3/8	1/2	7.11	5/8	11/16	16.76	19.30	41.15	48.51
NR-06-10-SS	SS316	3/8	5/8	7.11	11/16	11/16	16.76	19.30	42.93	50.29
NR-06-12-SS	SS316	3/8	3/4	7.11	13/16	11/16	16.76	19.30	42.93	50.29
NR-08-04-SS	SS316	1/2	1/4	4.82	13/16	7/8	22.86	21.84	34.79	44.95
NR-08-06-SS	SS316	1/2	3/8	7.11	13/16	7/8	22.86	21.84	36.57	46.73
NR-08-08-SS	SS316	1/2	1/2	9.90	13/16	7/8	22.86	21.84	42.16	52.32
NR-08-10-SS	SS316	1/2	5/8	10.41	13/16	7/8	22.86	21.84	43.68	53.84
NR-08-12-SS	SS316	1/2	3/4	10.41	13/16	7/8	22.86	21.84	43.68	53.84
NR-08-16-SS	SS316	1/2	1	10.41	1-1/16	7/8	22.86	21.84	50.03	60.19
NR-10-12-SS	SS316	5/8	3/4	12.70	15/16	1	24.38	21.84	44.45	54.61
NR-10-14-SS	SS316	5/8	7/8	12.70	15/16	1	24.38	21.84	45.97	56.13
NR-10-16-SS	SS316	5/8	1	12.70	1-1/16	1	24.38	21.84	50.80	60.96
NR-12-08-SS	SS316	3/4	1/2	9.90	1-1/16	1-1/8	24.38	21.84	44.45	54.61
NR-12-16-SS	SS316	3/4	1	15.74	1-1/16	1-1/8	24.38	21.84	52.32	62.48

NR-M Type – Reducer (Metric Range)





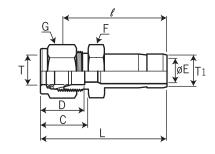


un	it=mm	

		Tub	e O.D.	_	Width a	cross flat				
Ordering Code	Material	Т	T ₁	E	F	G	D	С	ℓ	L
		mm	mm	Min	mm	mm				
NR-M03-M04-SS	SS316	3	4	2.4	12	12	12.9	15.3	28.4	35.0
NR-M03-M06-SS	SS316	3	6	2.4	12	12	12.9	15.3	29.5	36.1
NR-M03-M10-SS	SS316	3	10	2.4	12	12	12.9	15.3	31.8	38.4
NR-M04-M06-SS	SS316	4	6	2.4	12	12	13.7	16.1	30.5	37.1
NR-M06-M03-SS	SS316	6	3	1.8	14	14	15.3	17.7	29.5	36.9
NR-M06-M08-SS	SS316	6	8	4.8	14	14	15.3	17.7	32.5	39.9
NR-M06-M10-SS	SS316	6	10	4.8	14	14	15.3	17.7	33.3	40.7
NR-M06-M12-SS	SS316	6	12	4.8	14	14	15.3	17.7	38.9	46.3
NR-M08-M06-SS	SS316	8	6	4.6	15	16	16.2	18.6	32.8	40.3
NR-M08-M10-SS	SS316	8	10	6.4	15	16	16.2	18.6	34.5	42.0
NR-M08-M12-SS	SS316	8	12	6.4	15	16	16.2	18.6	40.1	47.6
NR-M10-M06-SS	SS316	10	6	4.6	18	19	17.2	19.5	34.8	42.4
NR-M10-M12-SS	SS316	10	12	7.9	18	19	17.2	19.5	42.2	49.8
NR-M10-M15-SS	SS316	10	15	7.9	18	19	17.2	19.5	43.7	51.3
NR-M10-M18-SS	SS316	10	18	7.9	19	19	17.2	19.5	43.7	51.3
NR-M12-M06-SS	SS316	12	6	4.6	22	22	22.8	22.0	34.8	44.9
NR-M12-M10-SS	SS316	12	10	7.7	22	22	22.8	22.0	36.6	46.7
NR-M12-M16-SS	SS316	12	16	9.5	22	22	22.8	22.0	43.7	53.8
NR-M12-M18-SS	SS316	12	18	9.5	22	22	22.8	22.0	43.7	53.8
NR-M12-M20-SS	SS316	12	20	9.5	22	22	22.8	22.0	46.0	56.1
NR-M12-M22-SS	SS316	12	22	9.5	24	22	22.8	22.0	46.0	56.1
NR-M12-M25-SS	SS316	12	25	9.5	27	22	22.8	22.0	52.3	62.4
NR-M16-M12-SS	SS316	16	12	9.1	24	25	24.4	22.0	42.9	53.0
NR-M18-M12-SS	SS316	18	12	9.1	27	30	24.4	22.0	44.5	54.6
NR-M18-M16-SS	SS316	18	16	12.7	27	30	24.4	22.0	46.0	56.1
NR-M18-M20-SS	SS316	18	20	15.1	27	30	24.4	22.0	47.5	57.6
NR-M18-M22-SS	SS316	18	22	15.1	27	30	24.4	22.0	47.5	57.6
NR-M18-M25-SS	SS316	18	25	15.1	27	30	24.4	22.0	52.3	62.4
NR-M20-M16-SS	SS316	20	16	12.7	30	32	24.4	22.0	47.8	57.9
NR-M20-M18-SS	SS316	20	18	13.9	30	32	26.0	22.0	47.8	57.9
NR-M20-M22-SS	SS316	20	22	15.8	30	32	26.0	22.0	49.3	59.4
NR-M20-M25-SS	SS316	20	25	15.8	30	32	26.0	22.0	54.1	64.2
NR-M22-M18-SS	SS316	22	18	13.9	30	32	26.0	22.0	47.8	57.9
NR-M22-M20-SS	SS316	22	20	15.1	30	32	26.0	22.0	49.3	59.4
NR-M22-M25-SS	SS316	22	25	18.3	30	32	26.0	22.0	54.1	64.2
NR-M25-M18-SS	SS316	25	18	13.9	35	38	31.3	26.5	50.8	63.1
NR-M25-M20-SS	SS316	25	20	15.1	35	38	31.3	26.5	52.3	64.6

NR-M Type – Reducer (Metric to Fractional Range)





Metric to Fractional Range:

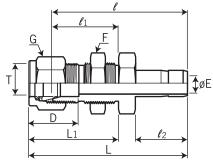
unit=mm

		Tube	O.D.	_	Width ac	ross flat				
Ordering Code	Material	Т	T 1	E	F	G	D	С	l.	L
		mm	in	Min	mm	mm				
NR-M03-02-SS	SS316	3	1/8	2.0	12	12	12.9	15.3	26.9	33.5
NR-M03-04-SS	SS316	3	1/4	2.4	12	12	12.9	15.3	29.5	36.1
NR-M06-04-SS	SS316	6	1/4	4.8	14	14	15.3	17.7	31.8	39.2
NR-M06-05-SS	SS316	6	5/16	4.8	14	14	15.3	17.7	32.5	39.9
NR-M06-06-SS	SS316	6	3/8	4.8	14	14	15.3	17.7	33.3	40.7
NR-M06-08-SS	SS316	6	1/2	4.8	14	14	15.3	17.7	38.9	46.3
NR-M08-06-SS	SS316	8	3/8	6.4	15	16	16.2	18.6	34.5	42.0
NR-M08-08-SS	SS316	8	1/2	6.4	15	16	16.2	18.6	40.1	47.6
NR-M10-06-SS	SS316	10	3/8	7.1	18	19	17.2	19.5	36.6	44.2
NR-M10-08-SS	SS316	10	1/2	7.9	18	19	17.2	19.5	42.2	49.8
NR-M12-08-SS	SS316	12	1/2	9.5	22	22	22.8	22.0	42.2	52.3
NR-M12-12-SS	SS316	12	3/4	9.5	22	22	22.8	22.0	43.7	53.8
NR-M18-12-SS	SS316	18	3/4	15.1	27	30	24.4	22.0	46.0	56.1
NR-M18-16-SS	SS316	18	1	15.1	27	30	24.4	22.0	52.3	62.4

NBR Type – Bulkhead Reducer (Imperial Range)



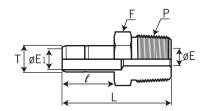




Imperial Range:

	Tube O.D.	E Width ac		ross flat							Panel	Panel	
Ordering Code	Material	Т	_	F	G	D	ℓ	ℓ_1	ℓ_2	L	L ₁	Hole	Max.
		in	Min	Min	in							Drill Size	Thickness
NBR-02-SS	SS316	1/8	2.03	1/2	7/16	12.70	42.93	24.63	13.46	49.53	31.24	8.33	12.70
NBR-04-SS	SS316	1/4	4.82	5/8	9/16	15.24	48.44	26.16	15.74	55.88	33.52	11.50	10.16
NBR-06-SS	SS316	3/8	7.11	3/4	11/16	16.76	53,85	29.46	17.52	61.21	36,83	14.68	11.17
NBR-08-SS	SS316	1/2	10.41	15/16	7/8	22.86	62.73	31.75	23.11	72.89	41.91	19.44	12.70





Imperial Range:

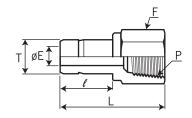
unit=mm

Ordering Code	Material	Tube O.D. T	P*	E	E1	Width across flat	ℓ	L
		in	(NPT)	min.		in		
NMA-02-2N-SS	SS316	1/8	1/8	4.57	1.77	7/16	13.45	29.50
NMA-02-4N-SS	SS316	1/8	1/4	7.11	1.77	9/16	13.45	34.80
NMA-03-2N-SS	SS316	3/16	1/8	4.57	3.04	7/16	14.20	30.22
NMA-03-4N-SS	SS316	3/16	1/4	7.11	3.04	9/16	14.20	35.56
NMA-04-2N-SS	SS316	1/4	1/8	4.57	4.57	7/16	15.75	31.80
NMA-04-4N-SS	SS316	1/4	1/4	7.11	4.57	9/16	15.75	37.08
NMA-04-6N-SS	SS316	1/4	3/8	10.41	4.57	11/16	15.75	37.84
NMA-04-8N-SS	SS316	1/4	1/2	12.70	4.57	7/8	16.80	43.43
NMA-05-2N-SS	SS316	5/16	1/8	4.57	6.35	7/16	16.80	32.76
NMA-05-4N-SS	SS316	5/16	1/4	7.11	6.35	9/16	17.50	38.10
NMA-06-2N-SS	SS316	3/8	1/8	4.57	7.11	7/16	17.50	33.50
NMA-06-4N-SS	SS316	3/8	1/4	7.11	7.11	9/16	17.50	38.90
NMA-06-6N-SS	SS316	3/8	3/8	10.41	7.11	11/16	17.50	39.60
NMA-06-8N-SS	SS316	3/8	1/2	12.70	7.11	7/8	23.20	45.20
NMA-08-4N-SS	SS316	1/2	1/4	7.11	9.90	9/16	23.20	44.50
NMA-08-6N-SS	SS316	1/2	3/8	10.41	9.90	11/16	23.20	45.20
NMA-08-8N-SS	SS316	1/2	1/2	12.70	9.90	7/8	24.70	50.50
NMA-10-6N-SS	SS316	5/8	3/8	10.41	12.70	11/16	24.70	47.40
NMA-10-8N-SS	SS316	5/8	1/2	12.70	12.70	7/8	24.70	52.30
NMA-10-12N-SS	SS316	5/8	3/4	18.28	12.70	1-1/16	24.70	52.30
NMA-12-8N-SS	SS316	3/4	1/2	12.70	14.98	7/8	24.70	52.30
NMA-12-12N-SS	SS316	3/4	3/4	18.28	14.98	1-1/16	24.70	52.30
NMA-12-16N-SS	SS316	3/4	1	22.35	14.98	1-3/8	24.70	57.91
NMA-14-12N-SS	SS316	7/8	3/4	18.28	17.27	1-1/16	26.70	54.30
NMA-16-12N-SS	SS316	1	3/4	18.28	20.06	1-1/16	31.70	58.70
NMA-16-16N-SS	SS316	1	1	22.35	20.06	1-3/8	31.70	66.00

Wellic Kalige:								unit=mm
Ordering Code	Material	Tube O.D. T mm	P* (NPT)	E min.	E 1	Width across flat F mm	l	L
NMA-M03-2N-SS	SS316	3	1/8	4.0	1.8	12	13.15	29.4
NMA-M06-2N-SS	SS316	6	1/8	4.6	4.6	12	15.75	32.8
NMA-M06-4N-SS	SS316	6	1/4	4.6	4.6	14	15.75	38.1
NMA-M08-4N-SS	SS316	8	1/4	6.3	6.3	14	16.50	39.1
NMA-M10-4N-SS	SS316	10	1/4	7.7	7.7	14	17.50	39.9
NMA-M10-6N-SS	SS316	10	3/8	7.7	7.7	17	17.50	40.6
NMA-M10-8N-SS	SS316	10	1/2	11.9	7.7	22	17.50	45.2
NMA-M12-4N-SS	SS316	12	1/4	7.1	9.1	14	23.50	46.5
NMA-M12-6N-SS	SS316	12	3/8	9.1	9.1	17	23.50	46.2
NMA-M12-8N-SS	SS316	12	1/2	11.9	9.1	22	23.50	51.8
NMA-M18-8N-SS	SS316	18	1/2	11.9	13.9	22	24.90	53.2
NMA-M18-12N-SS	SS316	18	3/4	15.9	13.9	27	24.90	53.2

NFA Type – Female Adapter (Imperial / Metric Range)





Imperial Range:

unit=mm

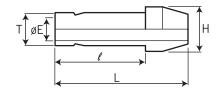
Ordering Code	Material	Tube O.D. T	P*	Е	Width across flat	ℓ	L
Ordering Code	Waterial	in	(NPT)	min.	in	6	_
NFA-02-2N-SS	SS316	1/8	1/8	1.77	9/16	13.45	31.50
NFA-02-4N-SS	SS316	1/8	1/4	1.77	3/4	13.45	35.30
NFA-03-2N-SS	SS316	3/16	1/8	3.04	9/16	14.20	32.00
NFA-03-4N-SS	SS316	3/16	1/4	3.04	3/4	14.20	35.81
NFA-04-2N-SS	SS316	1/4	1/8	4.57	9/16	15.75	33.02
NFA-04-4N-SS	SS316	1/4	1/4	4.57	3/4	15.75	37.10
NFA-04-6N-SS	SS316	1/4	3/8	4.57	7/8	15.75	39.37
NFA-04-8N-SS	SS316	1/4	1/2	4.57	1-1/16	15.75	42.50
NFA-05-2N-SS	SS316	5/16	1/8	6.35	9/16	16.80	34.29
NFA-05-4N-SS	SS316	5/16	1/4	6.35	3/4	16.80	37.59
NFA-06-2N-SS	SS316	3/8	1/8	7.11	9/16	17.50	34.29
NFA-06-4N-SS	SS316	3/8	1/4	7.11	3/4	17.50	38.10
NFA-06-6N-SS	SS316	3/8	3/8	7.11	7/8	17.50	40.38
NFA-06-8N-SS	SS316	3/8	1/2	7.11	1-1/16	17.50	46.73
NFA-08-4N-SS	SS316	1/2	1/4	9.90	3/4	23.20	43.43
NFA-08-6N-SS	SS316	1/2	3/8	9.90	7/8	23.20	45.46
NFA-08-8N-SS	SS316	1/2	1/2	9.90	1-1/16	23.20	51.80
NFA-10-6N-SS	SS316	5/8	3/8	12.70	7/8	24.70	48.26
NFA-10-8N-SS	SS316	5/8	1/2	12.70	1-1/16	24.70	53.84
NFA-10-12N-SS	SS316	5/8	3/4	12.70	1-1/4	24.70	55.37
NFA-12-8N-SS	SS316	3/4	1/2	14.98	1-1/16	24.70	52.83
NFA-12-12N-SS	SS316	3/4	3/4	14.98	1-1/4	24.70	54.86
NFA-12-16N-SS	SS316	3/4	1	14.98	1-5/8	24.70	58.42
NFA-14-12N-SS	SS316	7/8	3/4	17.27	1-1/4	26.70	57.15
NFA-16-12N-SS	SS316	1	3/4	20.06	1-1/4	31.70	60.70
NFA-16-16N-SS	SS316	1	1	20.06	1-5/8	31.70	64.26

Metric Range:

unit=m												
Ordering Code	Material	Tube O.D. T	P* (NPT)	E min.	Width across flat F	ℓ	L					
		mm	(141-17	111111.	mm							
NFA-M03-2N-SS	SS316	3	1/8	1.8	14	13.15	31.15					
NFA-M06-2N-SS	SS316	6	1/8	4.6	14	15.75	32.50					
NFA-M06-4N-SS	SS316	6	1/4	4.6	19	15.75	37.10					
NFA-M08-4N-SS	SS316	8	1/4	6.3	19	16.50	37.60					
NFA-M10-4N-SS	SS316	10	1/4	7.7	19	17.50	38.10					
NFA-M10-6N-SS	SS316	10	3/8	7.7	22	17.50	40.10					
NFA-M10-8N-SS	SS316	10	1/2	7.7	27	17.50	46.50					
NFA-M12-4N-SS	SS316	12	1/4	9.1	19	23.50	43.70					
NFA-M12-6N-SS	SS316	12	3/8	9.1	22	23.50	46.00					
NFA-M12-8N-SS	SS316	12	1/2	9.1	27	23.50	52.30					
NFA-M18-12N-SS	SS316	18	3/4	13.9	32	24.90	54.80					

NPC Type - Port Connector (Imperial / Metric Range)





Imperial Range:

unit=mm

Ordering Code	Material	Tube O.D. T in	E min	н	ℓ	L
NPC-02-SS	SS316	1/8	1.77	6.09	15.75	22.35
NPC-04-SS	SS316	1/4	4.57	9.39	18.79	24.63
NPC-05-SS	SS316	5/16	6.35	10.92	20.06	25.90
NPC-06-SS	SS316	3/8	7.11	12.70	20.32	26.16
NPC-08-SS	SS316	1/2	9.90	15.74	25.90	35.81
NPC-12-SS	SS316	3/4	14.98	22.09	27.68	37.33
NPC-16-SS	SS316	1	20.06	28.44	34.54	48.26

Metric Range:

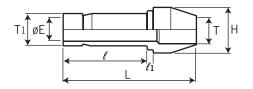
unit=mm

uiii(=ii												
Ordering Code	Material	Tube O.D. T mm	E min	н	l	L						
NPC-M03-SS	SS316	3	2.1	6.0	15.7	22.2						
NPC-M06-SS	SS316	6	4.4	9.0	18.7	24.6						
NPC-M08-SS	SS316	8	6.2	11.0	20.0	25.9						
NPC-M10-SS	SS316	10	8.2	13.1	20.2	26.1						
NPC-M12-SS	SS316	12	9.1	15.0	26.0	35.8						
NPC-M16-SS	SS316	16	12.7	19.0	27.6	37.4						

NRPC Type – Reducing Port Connector (Imperial / Metric Range)







Imperial Range:

unit=mm

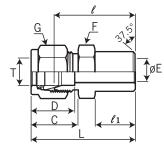
Ordering Code	Material	Tube O.D. T in	Reduced O.D. T ₁ in	E min	Н	ℓ	ℓ_1	L
NRPC-04-02-SS	SS316	1/4	1/8	2.28	9.39	13.45	3.30	22.60
NRPC-06-02-SS	SS316	3/8	1/8	2.28	12.70	13.45	3.81	23.11
NRPC-06-04-SS	SS316	3/8	1/4	4.82	12.70	15.75	3.30	24.89
NRPC-08-04-SS	SS316	1/2	1/4	4.82	15.74	15.75	3.81	29.21
NRPC-08-06-SS	SS316	1/2	3/8	7.11	15.74	17.50	3.30	30.48
NRPC-12-08-SS	SS316	3/4	1/2	9.90	22.09	23.20	3.81	36,57

Metire Range.	unit=											
Ordering Code	Material	Tube O.D. T mm	Reduced O.D. T1 mm	E min	н	l	ℓ_1	L				
NRPC-M06-M03-SS	SS316	6	3	2.2	9.0	13.5	3.2	22.6				
NRPC-M08-M06-SS	SS316	8	6	4.6	11.0	15.7	3.1	24.7				
NRPC-M10-M06-SS	SS316	10	6	4.6	13.1	15.7	3.4	25.0				
NRPC-M12-M06-SS	SS316	12	6	4.6	15.0	15.7	3.6	29.1				
NRPC-M12-M08-SS	SS316	12	8	6.4	15.0	16.8	3.4	29.8				
NRPC-M12-M10-SS	SS316	12	10	7.7	15.0	17.5	3.1	30.4				
NRPC-M16-M12-SS	SS316	16	12	9.1	19.0	23.1	3.4	36.2				

NMWC Type – Male Pipe Weld Connector (Imperial/Metric Range)







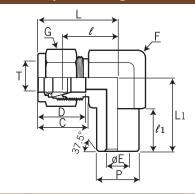
Imperial Range

Imperial Range: unit=mm												
		Tube O.D.	Male	Е	Width ad	ross flat						
Ordering Code	Material	Т	Pipe		F	G	D	С	ℓ	ℓ_1	L	
		in	Size P	Min	in	in						
NMWC-02-2P-SS	SS316	1/8	1/8	2.28	7/16	7/16	12.70	15.24	24.64	9,65	31.24	
NMWC-03-2P-SS	SS316	3/16	1/8	3.04	7/16	1/2	13.71	16.00	24.63	9.65	31.24	
NMWC-04-2P-SS	SS316	1/4	1/8	4.82	1/2	9/16	15.24	17.78	25.40	9.65	32.76	
NMWC-04-4P-SS	SS316	1/4	1/4	4.82	9/16	9/16	15.24	17.78	30.48	14.22	37.84	
NMWC-05-2P-SS	SS316	5/16	1/8	5.08	9/16	5/8	16.25	18.54	28.66	9.65	37.03	
NMWC-05-4P-SS	SS316	5/16	1/4	6.35	9/16	5/8	16.25	18.54	31.24	14.22	38.60	
NMWC-06-4P-SS	SS316	3/8	1/4	7.11	5/8	11/16	16.76	19.30	32.51	14.22	39.87	
NMWC-06-6P-SS	SS316	3/8	3/8	7,11	11/16	11/16	16.76	19.30	32.51	11.05	39.87	
NMWC-06-8P-SS	SS316	3/8	1/2	7.11	7/8	11/16	16.76	19.30	35.87	14.22	43.23	
NMWC-08-6P-SS	SS316	1/2	3/8	10.41	13/16	7/8	22.86	21.84	33.27	19.05	43.43	
NMWC-08-8P-SS	SS316	1/2	1/2	10.41	7/8	7/8	22.86	21.84	38.86	14.22	49.02	
NMWC-08-12P-SS	SS316	1/2	3/4	10.41	1-1/16	7/8	22.86	21.84	40.38	19.05	50.54	
NMWC-10-8P-SS	SS316	5/8	1/2	12.70	15/16	1	24.38	21.84	38.86	19.05	49.02	
NMWC-12-12P-SS	SS316	3/4	3/4	15.74	1-1/16	1-1/8	24.38	21.84	40.38	19.05	50.54	
NMWC-16-16P-SS	SS316	1	1	22.35	1-3/8	1-1/2	31.24	26.41	50.04	23.87	62.23	

Metric Range:												
		Tube O.D.	Male	Е	Width ac	cross flat						
Ordering Code	Material	Т	Pipe	_	F	G	D	С	ℓ	ℓ_1	L	
		mm	Size P	Min	mm	mm						
NMWC-M03-2P-SS	SS316	3	1/8	2.4	12	12	12.9	15.3	23.10	9.7	29.70	
NMWC-M04-2P-SS	SS316	4	1/8	2.4	12	12	13.7	16.1	24.10	9.7	30.70	
NMWC-M06-2P-SS	SS316	6	1/8	4.8	14	14	15.3	17.7	25.40	9.7	32.80	
NMWC-M06-4P-SS	SS316	6	1/4	4.8	14	14	15.3	17.7	30.20	14.2	37.60	
NMWC-M08-2P-SS	SS316	8	1/8	5.1	15	16	16.2	18.6	26.70	9.7	34.20	
NMWC-M08-4P-SS	SS316	8	1/4	6.4	15	16	16.2	18.6	31.20	14.2	38.70	
NMWC-M08-8P-SS	SS316	8	1/2	6.4	22	16	16.2	18.6	37.30	19.0	44.80	
NMWC-M10-4P-SS	SS316	10	1/4	7.1	18	19	17.2	19.5	33,30	14.2	40.90	
NMWC-M10-6P-SS	SS316	10	3/8	7.9	18	19	17.2	19.5	32.50	14.2	40.10	
NMWC-M10-8P-SS	SS316	10	1/2	7.9	22	19	17.2	19.5	38.10	19.0	45.70	
NMWC-M12-4P-SS	SS316	12	1/4	7.1	22	22	22.8	22.0	33.30	14.2	43.40	
NMWC-M12-6P-SS	SS316	12	3/8	9.5	22	22	22.8	22.0	33.30	14.2	43.40	
NMWC-M12-8P-SS	SS316	12	1/2	9.5	24	22	22.8	22.0	38.10	19.0	48.20	
NMWC-M15-8P-SS	SS316	15	1/2	11.9	24	25	24.4	22.0	38.90	19.0	49.00	
NMWC-M16-8P-SS	SS316	16	1/2	12.7	24	25	24.4	22.0	38.90	19.0	49.00	
NMWC-M18-8P-SS	SS316	18	1/2	13.5	27	30	24.4	22.0	39.95	19.0	50.05	

NMWE Type – Male Pipe Weld Elbow (Imperial Range)





Imperial Range:

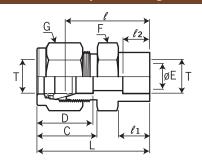
unit=mm

		Tube O.D.	Pipe	_	Width ac	ross flat						
Ordering Code	Material	Т	Weid	E	F	G	D	С	ℓ	ℓ_1	L	L ₁
		in	Size P	Min	in	in						
NMWE-02-2P-SS	SS316	1/8	1/8	4.82	1/2	9/16	12.70	15.24	20.32	9.65	26.92	18.79
NMWE-04-4P-SS	SS316	1/4	1/4	4.82	1/2	9/16	15.24	17.76	19.56	14.22	26.92	23.36
NMWE-06-4P-SS	SS316	3/8	1/4	7.11	5/8	11/16	16.75	19.30	23.13	14.22	30.48	25.40
NMWE-08-8P-SS	SS316	1/2	1/2	10.41	13/16	7/8	22.86	21.84	25.90	19.05	36.06	33.02
NMWE-12-12P-SS	SS316	3/4	3/4	15.74	1-1/16	1-1/8	24.38	21.84	29.71	19.05	39.87	36.83

NSWC Type - Tube Socket Weld Connector (Imperial Range)







Imperial Range:

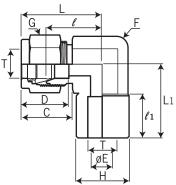
unit=mm

		Tube O.D.	_		Width ac	ross flat						
Ordering Code	Material	Т	E	Н	F	G	D	С	ℓ	ℓ_1	ℓ_2	L
		in	Min		in	in						
NSWC-02-2T-SS	SS316	1/8	2.28	7.87	7/16	7/16	12.70	15.24	22.55	8.63	6.35	28.95
NSWC-04-4T-SS	SS316	1/4	4.82	11.17	1/2	9/16	15.24	17.78	28.16	10.41	7.87	35.52
NSWC-06-6T-SS	SS316	3/8	7.11	15.74	5/8	11/16	16.76	19.30	30.23	11.93	9.65	37.59
NSWC-08-8T-SS	SS316	1/2	10.41	19.06	13/16	7/8	22.86	21.84	30.98	11.93	12.70	41.14
NSWC-12-12T-SS	SS316	3/4	15.74	26.67	1-1/16	1-1/8	24.38	21.84	33.27	11.93	14.22	43.43
NSWC-16-16T-SS	SS316	1	22.85	33.27	1-3/8	1-1/12	31.24	26.41	40.38	14.22	19.05	52.57

NSWE Type - Tube Socket Weld Elbow (Imperial Range)







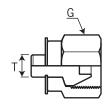
Imperial Range:

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	Т	Т	Т			Т	ī	Ī	Ī	

		Tube O.D. E Width across flat										
Ordering Code	Material	Т	_	Н	F	G	D	С	ℓ	ℓ_1	L	L ₁
		in	Min		in	in						
NSWE-04-4T-SS	SS316	1/4	4.82	12.70	1/2	9/16	15.24	17.78	19.56	7.87	26.92	19.55
NSWE-06-6T-SS	SS316	3/8	7.11	15.74	5/8	11/16	16.76	19.30	23.12	9.65	30.48	23.11
NSWE-08-8T-SS	SS316	1/2	10.41	20.57	13/16	7/8	22.86	21.84	25.90	12.70	36.06	25.90

NTP Type – Tube Plug (Imperial / Metric Range)





Imperial Range:

NTP-16-SS

nperial Kange: unit=											
		Tube O.D.	Width across flat								
Ordering Code	Material	Т	G								
		in	in								
NTP-02-SS	SS316	1/8	7/16								
NTP-03-SS	SS316	3/16	1/2								
NTP-04-SS	SS316	1/4	9/16								
NTP-05-SS	SS316	5/16	5/8								
NTP-06-SS	SS316	3/8	11/16								
NTP-08-SS	SS316	1/2	7/8								
NTP-10-SS	SS316	5/8	1								
NTP-12-SS	SS316	3/4	1-1/8								
NTP-14-SS	SS316	7/8	1-1/4								

Metric Range:

unit=mm

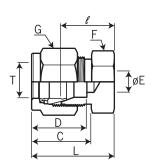
		Tube O.D.	Width across flat
Ordering Code	Material	Т	G
		mm	mm
NTP-M02-SS	SS316	2	12
NTP-M03-SS	SS316	3	12
NTP-M04-SS	SS316	4	12
NTP-M06-SS	SS316	6	14
NTP-M08-SS	SS316	8	16
NTP-M10-SS	SS316	10	19
NTP-M12-SS	SS316	12	22
NTP-M15-SS	SS316	15	25
NTP-M16-SS	SS316	16	25
NTP-M18-SS	SS316	18	30
NTP-M20-SS	SS316	20	32
NTP-M22-SS	SS316	22	32
NTP-M25-SS	SS316	25	38

NTC Type – Tube Cap (Imperial / Metric Range)

SS316







Imperial Range:

1-1/2

		Tube O.D.	Width ac	cross flat				
Ordering Code	Material	Т	F	G	D	С	ℓ	L
		in	in	in				
NTC-01-SS	SS316	1/16	5/16	5/16	8.63	10.92	11.20	14.18
NTC-02-SS	SS316	1/8	7/16	7/16	15.24	15.24	13.46	20.06
NTC-03-SS	SS316	3/16	7/16	1/2	13.71	16.00	14.73	21.33
NTC-04-SS	SS316	1/4	1/2	9/16	15.24	17.78	16.00	23.26
NTC-05-SS	SS316	5/16	9/16	5/8	16.25	18.54	17.01	24.38
NTC-06-SS	SS316	3/8	5/8	11/16	16.76	19.30	18.28	25.65
NTC-08-SS	SS316	1/2	13/16	7/8	22.86	21.84	19.05	29.21
NTC-10-SS	SS316	5/8	15/16	1	24.38	21.84	19.81	29.97
NTC-12-SS	SS316	3/4	1-1/16	1-1/8	24.38	21.84	21.33	31.49
NTC-14-SS	SS316	7/8	1-3/16	1-1/4	25.90	21.84	23.87	34.03
NTC-16-SS	SS316	1	1-3/8	1-1/2	31.24	26.41	26.16	38.35

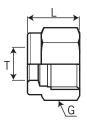
Metric Range:

unit=mr

metric Range.								unit=mm
		Tube O.D.	Width ac	ross flat				
Ordering Code	Material	Т	F	G	D	С	ℓ	L
		mm	mm	mm				
NTC-M02-SS	SS316	2	12	12	12.9	15.3	13.5	20.1
NTC-M03-SS	SS316	3	12	12	12.9	15.3	13.5	20.1
NTC-M04-SS	SS316	4	12	12	13.7	16.1	14.7	21.3
NTC-M06-SS	SS316	6	14	14	15.3	17.7	15.7	23.1
NTC-M08-SS	SS316	8	15	16	16.2	18.6	17.0	24.5
NTC-M10-SS	SS316	10	18	19	17.2	19.5	19.0	26.6
NTC-M12-SS	SS316	12	22	22	22.8	22.0	19.0	29.1
NTC-M15-SS	SS316	15	24	25	24.4	22.0	19.8	29.9
NTC-M16-SS	SS316	16	24	25	24.4	22.0	19.8	29.9
NTC-M18-SS	SS316	18	27	30	24.4	22.0	21.3	31.4
NTC-M20-SS	SS316	20	30	32	26.0	22.0	23.9	34.0
NTC-M22-SS	SS316	22	30	32	26.0	22.0	23.9	34.0
NTC-M25-SS	SS316	25	35	38	31.3	26.5	26.2	38.5

NPN Type - Nut (Imperial / Metric Range)





Imperial Range: unit=mm							
Ordering Code	Tube O.D. Mat'l T		Width across flat G	L			
			in				
NPN-01-SS	SS316	1/16	5/16	7.93			
NPN-02-SS	SS316	1/8	7/16	11.93			
NPN-03-SS	SS316	3/16	1/2	11.93			
NPN-04-SS	SS316	1/4	9/16	12.70			
NPN-05-SS	SS316	5/16	5/8	13.46			
NPN-06-SS	SS316	3/8	11/16	14.22			
NPN-08-SS	SS316	1/2	7/8	17.52			
NPN-10-SS	SS316	5/8	1	17.52			
NPN-12-SS	SS316	3/4	1-1/8	17.52			
NPN-14-SS	SS316	7/8	1-1/4	17.52			
NPN-16-SS	SS316	1	1-1/2	20.57			

Metric Range:

Metric Range: unit=mm						
Ordering Code	Mat'l	Tube O.D. T mm	Width across flat G mm	L		
NPN-M03-SS	SS316	3	12	11.9		
NPN-M04-SS	SS316	4	12	11.9		
NPN-M06-SS	SS316	6	14	12.7		
NPN-M08-SS	SS316	8	16	13.5		
NPN-M10-SS	SS316	10	19	15.1		
NPN-M12-SS	SS316	12	22	17.4		
NPN-M15-SS	SS316	15	25	17.4		
NPN-M16-SS	SS316	16	25	17.4		
NPN-M18-SS	SS316	18	30	17.4		
NPN-M20-SS	SS316	20	32	17.4		
NPN-M22-SS	SS316	22	32	17.4		
NPN-M25-SS	SS316	25	38	20.6		

NFF Type – Front Ferrule (Imperial / Metric Range)



ın	it:	=1	m	n

Ordering Code	Material	Tube O.D. T in
NFF-01-SS	SS316	1/16
NFF-02-SS	SS316	1/8
NFF-03-SS	SS316	3/16
NFF-04-SS	SS316	1/4
NFF-05-SS	SS316	5/16
NFF-06-SS	SS316	3/8
NFF-08-SS	SS316	1/2
NFF-10-SS	SS316	5/8
NFF-12-SS	SS316	3/4
NFF-14-SS	SS316	7/8

SS316

Metric Range:

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Metric Range: unit=mr				
Ordering Code	Material	Tube O.D. T mm		
NFF-M02-SS	SS316	2		
NFF-M03-SS	SS316	3		
NFF-M04-SS	SS316	4		
NFF-M06-SS	SS316	6		
NFF-M08-SS	SS316	8		
NFF-M10-SS	SS316	10		
NFF-M12-SS	SS316	12		
NFF-M15-SS	SS316	15		
NFF-M16-SS	SS316	16		
NFF-M18-SS	SS316	18		
NFF-M20-SS	SS316	20		
NFF-M22-SS	SS316	22		
NFF-M25-SS	SS316	25		

NBF Type - Back Ferrule (Imperial / Metric Range)

NFF-16-SS

Imperial Range:

unit=mm

Ordering Code	Material	Tube O.D. T in
NBF-01-SS	SS316	1/16
NBF-02-SS	SS316	1/8
NBF-03-SS	SS316	3/16
NBF-04-SS	SS316	1/4
NBF-05-SS	SS316	5/16
NBF-06-SS	SS316	3/8
NBF-08-SS	SS316	1/2
NBF-10-SS	SS316	5/8
NBF-12-SS	SS316	3/4
NBF-14-SS	SS316	7/8
NBF-16-SS	SS316	1

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Ordering Code	Material	Tube O.D. T mm
NBF-M02-SS	SS316	2
NBF-M03-SS	SS316	3
NBF-M04-SS	SS316	4
NBF-M06-SS	SS316	6
NBF-M08-SS	SS316	8
NBF-M10-SS	SS316	10
NBF-M12-SS	SS316	12
NBF-M15-SS	SS316	15
NBF-M16-SS	SS316	16
NBF-M18-SS	SS316	18
NBF-M20-SS	SS316	20
NBF-M22-SS	SS316	22
NBF-M25-SS	SS316	25







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