

# Composite Push-In Fittings

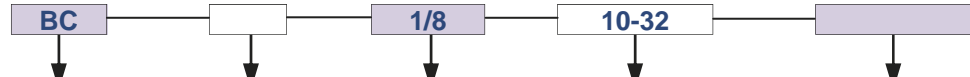


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## STC Fittings Numbering System

Ordering Part No. =  
(eg. BC 1/8 10-32)









Fitting Name	Model	Material/Type	Tube OD	Thread Size /Stem/Tube	Options
AIR INLINE FLOW CONTROL	AS			THREAD SIZE:	
AIR FLOW CONTROL (panel mount)	ASC			N= NPT	
BRANCH TEE	BT			R=BSPT (British Standard Taper Thread)	
BRASS MUFFLER	BSL			G=BSPP (British Standard Parallel Thread)	
BRASS SPEED CONTROL MUFFLER	BESL			U=Universal thread (fits NPT, R & G )	
BULKHEAD CONNECTOR	BC			10-32	
BULKHEAD UNION	BU			N1/8	
CHECK VALVE	KV			N1/4	
COMPACT MALE CONNECTOR	CC			N3/8	
CONTROL VALVE (meter-in)	CI			N1/2	
CONTROL VALVE (meter-out)	CV				
CROSS UNION	CU				
ELBOW REDUCER	ER		(inch)		
ELBOW UNION	EU		1/8		
EXTENDED ELBOW	EE		5/32		
FEMALE CONNECTOR	FC		3/16	M5	
FEMALE ELBOW	FE		1/4	M6	
FLOW CONTROL VALVE (inline)	FV		5/16	R1/8	
MALE ANGLE	MA		3/8	R1/4	
MALE CONNECTOR	MC		1/2	R3/8	
MALE ELBOW	ME	Blank = Composite		R1/2	
MALE MANIFOLD	MM			G1/8	
MANIFOLD UNION	MU	M = Miniature Composite Fittings		G1/4	
PLUG	PG			G3/8	
PLUG-IN ELBOW	PE		(mm)		
QUICK EXHAUST VALVE	QE		4	U1/8	
REDUCED BRANCH	RB		6	U1/4	
REDUCED ELBOW	RE		8	U3/8	
REDUCED UNION	RU		10	U1/2	
RUN TEE	RT		12		
STACK ELBOW	SE		16		
SHUTTLE VALVE	ST			STEM SIZE:	
STEM COUPLING	SC			1/8-1/2"	
STEM REDUCER	SR			4-12 mm	
STRAIGHT UNION	SU				
TEE UNION	TU				
TEE UNION REDUCER	TU				
TUBE ADAPTOR	TA				
TUBE REDUCER	TR				
UNION VALVE	UV				
UNIVERSAL ELBOW	UE				
Y CONNECTOR	YC				
Y REDUCER	YR				
Y UNION	YU				







**Release Button Color**  
Blank = Purple/Metal Color  
K = Black

# Composite Push-In Air Fittings List Price



Composite Fittings													
Model		Male Connector with Internal Hex		Compact Male Connector with Internal Hex		Male Elbow		Branch Tee		Run Tee		Y Connector	
Tube OD	Pipe Size	MC		CC		ME		BT		RT		YC	
1/8	10-32UNF	MC 1/8 10-32	\$1.23	CC 1/8 10-32	\$1.23	ME 1/8 10-32	\$1.77	BT 1/8 10-32	\$2.74	RT 1/8 10-32	\$2.50	YC 1/8 10-32	\$2.50
1/8	NPT1/8	MC 1/8 N1/8	\$1.23	CC 1/8 N1/8	\$1.23	ME 1/8 N1/8	\$1.77	BT 1/8 N1/8	\$2.74	RT 1/8 N1/8	\$2.76	YC 1/8 N1/8	\$2.50
1/8	NPT1/4	MC 1/8 N1/4	\$1.23	CC 1/8 N1/4	\$1.23	ME 1/8 N1/4	\$1.77	BT 1/8 N1/4	\$2.74	RT 1/8 N1/4	\$2.76	YC 1/8 N1/4	\$2.50
5/32	10-32UNF	MC 5/32 10-32	\$1.23	CC 5/32 10-32	\$1.23	ME 5/32 10-32	\$1.77	BT 5/32 10-32	\$2.74	RT 5/32 10-32	\$2.50	YC 5/32 10-32	\$2.50
5/32	NPT1/8	MC 5/32 N1/8	\$1.23	CC 5/32 N1/8	\$1.23	ME 5/32 N1/8	\$1.77	BT 5/32 N1/8	\$2.74	RT 5/32 N1/8	\$2.50	YC 5/32 N1/8	\$2.50
5/32	NPT1/4	MC 5/32 N1/4	\$1.23	CC 5/32 N1/4	\$1.23	ME 5/32 N1/4	\$1.77	BT 5/32 N1/4	\$2.74	RT 5/32 N1/4	\$2.76	YC 5/32 N1/4	\$2.50
3/16	10-32UNF	MC 3/16 10-32	\$1.23	CC 3/16 10-32	\$1.23	ME 3/16 10-32	\$1.77	BT 3/16 10-32	\$2.74	RT 3/16 10-32	\$2.76	YC 3/16 10-32	\$2.76
3/16	NPT1/8	MC 3/16 N1/8	\$1.23	CC 3/16 N1/8	\$1.23	ME 3/16 N1/8	\$1.77	BT 3/16 N1/8	\$2.74	RT 3/16 N1/8	\$2.76	YC 3/16 N1/8	\$2.76
3/16	NPT1/4	MC 3/16 N1/4	\$1.23	CC 3/16 N1/4	\$1.23	ME 3/16 N1/4	\$1.77	BT 3/16 N1/4	\$2.74	RT 3/16 N1/4	\$2.76	YC 3/16 N1/4	\$2.76
3/16	NPT3/8	MC 3/16 N3/8	\$1.23	CC 3/16 N3/8	\$1.23	ME 3/16 N3/8	\$1.77	BT 3/16 N3/8	\$2.74	RT 3/16 N3/8	\$2.76	YC 3/16 N3/8	\$2.76
1/4	10-32UNF	MC 1/4 10-32	\$1.23	CC 1/4 10-32	\$1.23	ME 1/4 10-32	\$1.77	BT 1/4 10-32	\$2.74	RT 1/4 10-32	\$3.31	YC 1/4 10-32	\$2.76
1/4	NPT1/8	MC 1/4 N1/8	\$1.23	CC 1/4 N1/8	\$1.54	ME 1/4 N1/8	\$1.77	BT 1/4 N1/8	\$2.77	RT 1/4 N1/8	\$3.77	YC 1/4 N1/8	\$2.76
1/4	NPT1/4	MC 1/4 N1/4	\$1.23	CC 1/4 N1/4	\$1.23	ME 1/4 N1/4	\$1.77	BT 1/4 N1/4	\$2.99	RT 1/4 N1/4	\$3.77	YC 1/4 N1/4	\$2.98
1/4	NPT3/8	MC 1/4 N3/8	\$1.77	CC 1/4 N3/8	\$2.63	ME 1/4 N3/8	\$2.11	BT 1/4 N3/8	\$3.31	RT 1/4 N3/8	\$4.12	YC 1/4 N3/8	\$3.31
5/16	NPT1/8	MC 5/16 N1/8	\$1.23	CC 5/16 N1/8	\$1.23	ME 5/16 N1/8	\$1.96	BT 5/16 N1/8	\$3.11	RT 5/16 N1/8	\$3.44	YC 5/16 N1/8	\$3.11
5/16	NPT1/4	MC 5/16 N1/4	\$1.23	CC 5/16 N1/4	\$1.23	ME 5/16 N1/4	\$1.96	BT 5/16 N1/4	\$3.11	RT 5/16 N1/4	\$3.77	YC 5/16 N1/4	\$3.11
5/16	NPT3/8	MC 5/16 N3/8	\$1.77	CC 5/16 N3/8	\$1.77	ME 5/16 N3/8	\$2.24	BT 5/16 N3/8	\$3.44	RT 5/16 N3/8	\$4.12	YC 5/16 N3/8	\$3.44
3/8	NPT1/8	MC 3/8 N1/8	\$1.83	CC 3/8 N1/8	\$2.63	ME 3/8 N1/8	\$2.24	BT 3/8 N1/8	\$3.31	RT 3/8 N1/8	\$4.12	YC 3/8 N1/8	\$3.44
3/8	NPT1/4	MC 3/8 N1/4	\$1.83	CC 3/8 N1/4	\$1.83	ME 3/8 N1/4	\$2.24	BT 3/8 N1/4	\$3.44	RT 3/8 N1/4	\$4.12	YC 3/8 N1/4	\$3.44
3/8	NPT3/8	MC 3/8 N3/8	\$2.63	CC 3/8 N3/8	\$2.63	ME 3/8 N3/8	\$2.80	BT 3/8 N3/8	\$3.71	RT 3/8 N3/8	\$4.44	YC 3/8 N3/8	\$3.65
3/8	NPT1/2	MC 3/8 N1/2	\$2.63	CC 3/8 N1/2	\$2.63	ME 3/8 N1/2	\$4.07	BT 3/8 N1/2	\$4.81	RT 3/8 N1/2	\$4.80	YC 3/8 N1/2	\$4.44
1/2	NPT1/4	MC 1/2 N1/4	\$2.63	CC 1/2 N1/4	\$3.55	ME 1/2 N1/4	\$4.07	BT 1/2 N1/4	\$4.44	RT 1/2 N1/4	\$4.44	YC 1/2 N1/4	\$4.44
1/2	NPT3/8	MC 1/2 N3/8	\$2.63	CC 1/2 N3/8	\$3.62	ME 1/2 N3/8	\$4.07	BT 1/2 N3/8	\$4.44	RT 1/2 N3/8	\$4.81	YC 1/2 N3/8	\$4.44
1/2	NPT1/2	MC 1/2 N1/2	\$2.63	CC 1/2 N1/2	\$3.73	ME 1/2 N1/2	\$4.07	BT 1/2 N1/2	\$4.81	RT 1/2 N1/2	\$5.13	YC 1/2 N1/2	\$4.80
4 mm	M5X0.8	MC 4 M5	\$1.23		\$0.00	ME 4 M5	\$1.77	BT 4 M5	\$2.50	RT 4 M5	\$2.50	YC 4 M5	\$2.50
4 mm	M6X1	MC 4 M6	\$1.23		\$0.00	ME 4 M6	\$1.77	BT 4 M6	\$2.50	RT 4 M6	\$2.50	YC 4 M6	\$2.50
4 mm	R1/8	MC 4 R1/8	\$1.23		\$0.00	ME 4 R1/8	\$1.77	BT 4 R1/8	\$2.74	RT 4 R1/8	\$2.50	YC 4 R1/8	\$2.50
4 mm	R1/4	MC 4 R1/4	\$1.23		\$0.00	ME 4 R1/4	\$1.77	BT 4 R1/4	\$2.74	RT 4 R1/4	\$2.74	YC 4 R1/4	\$2.74
6 mm	M5X0.8	MC 6 M5	\$1.23		\$0.00	ME 6 M5	\$1.77	BT 6 M5	\$2.76	RT 6 M5	\$3.31	YC 6 M5	\$2.76
6 mm	M6X1	MC 6 M6	\$1.23		\$0.00	ME 6 M6	\$1.77	BT 6 M6	\$2.76	RT 6 M6	\$3.31	YC 6 M6	\$2.76
6 mm	R1/8	MC 6 R1/8	\$1.23		\$0.00	ME 6 R1/8	\$1.77	BT 6 R1/8	\$2.74	RT 6 R1/8	\$3.31	YC 6 R1/8	\$2.76
6 mm	R1/4	MC 6 R1/4	\$1.23		\$0.00	ME 6 R1/4	\$1.77	BT 6 R1/4	\$2.98	RT 6 R1/4	\$3.77	YC 6 R1/4	\$2.98
6 mm	R3/8	MC 6 R3/8	\$1.77		\$0.00	ME 6 R3/8	\$2.11	BT 6 R3/8	\$3.31	RT 6 R3/8	\$4.12	YC 6 R3/8	\$3.31
6 mm	R1/2	MC 6 R1/2	\$2.44		\$0.00	ME 6 R1/2	\$3.47	BT 6 R1/2	\$4.44	RT 6 R1/2	\$4.80	YC 6 R1/2	\$4.44
8 mm	R1/8	MC 8 R1/8	\$1.23		\$0.00	ME 8 R1/8	\$1.96	BT 8 R1/8	\$3.11	RT 8 R1/8	\$3.44	YC 8 R1/8	\$3.11
8 mm	R1/4	MC 8 R1/4	\$1.23		\$0.00	ME 8 R1/4	\$1.96	BT 8 R1/4	\$3.11	RT 8 R1/4	\$3.77	YC 8 R1/4	\$3.11
8 mm	R3/8	MC 8 R3/8	\$1.23		\$0.00	ME 8 R3/8	\$1.96	BT 8 R3/8	\$3.44	RT 8 R3/8	\$4.12	YC 8 R3/8	\$3.44
8 mm	R1/2	MC 8 R1/2	\$1.77		\$0.00	ME 8 R1/2	\$2.24	BT 8 R1/2	\$3.44	RT 8 R1/2	\$4.80	YC 8 R1/2	\$4.40
10 mm	R1/8	MC 10 R1/8	\$1.83		\$0.00	ME 10 R1/8	\$2.24	BT 10 R1/8	\$3.31	RT 10 R1/8	\$4.12	YC 10 R1/8	\$3.44
10 mm	R1/4	MC 10 R1/4	\$1.83		\$0.00	ME 10 R1/4	\$2.24	BT 10 R1/4	\$3.44	RT 10 R1/4	\$4.12	YC 10 R1/4	\$3.44
10 mm	R3/8	MC 10 R3/8	\$2.61		\$0.00	ME 10 R3/8	\$2.80	BT 10 R3/8	\$3.70	RT 10 R3/8	\$4.40	YC 10 R3/8	\$3.65
10 mm	R1/2	MC 10 R1/2	\$2.61		\$0.00	ME 10 R1/2	\$4.07	BT 10 R1/2	\$4.80	RT 10 R1/2	\$4.80	YC 10 R1/2	\$4.44
12 mm	R 1/8	MC 12 R1/8	\$1.79										
12 mm	R1/4	MC 12 R1/4	\$2.61		\$0.00	ME 12 R1/4	\$4.07	BT 12 R1/4	\$4.44	RT 12 R1/4	\$4.44	YC 12 R1/4	\$4.44
12 mm	R3/8	MC 12 R3/8	\$2.61		\$0.00	ME 12 R3/8	\$4.07	BT 12 R3/8	\$4.44	RT 12 R3/8	\$4.80	YC 12 R3/8	\$4.44
12 mm	R1/2	MC 12 R1/2	\$2.61		\$0.00	ME 12 R1/2	\$4.07	BT 12 R1/2	\$4.80	RT 12 R1/2	\$5.13	YC 12 R1/2	\$4.80







# Composite Push-In Air Fittings List Price





Composite Fittings															
Model		Universal Elbow	Extended Elbow	Female Connector	Female Elbow	Bulkhead Connector	Flow Control Valve meter-out	Flow Control Valve meter-in							
Tube OD	Pipe Size	UE	EE	FC	FE	BC	CV	CI							
1/8	10-32UNF	UE 1/8 10-32	\$2.76			FC 1/8 10-32	\$1.55	FE 1/8 10-32	\$2.21			CV 1/8 10-32	\$6.80	CI 1/8 10-32	
1/8	NPT1/8	UE 1/8 N1/8	\$2.76			FC 1/8 N1/8	\$1.55	FE 1/8 N1/8	\$2.21	BC 1/8 N1/8	\$2.92	CV 1/8 N1/8	\$6.80	CI 1/8 N1/8	\$7.91
5/32	10-32UNF	UE 5/32 10-32	\$2.76	EE 5/32 10-32	\$2.21	FC 5/32 10-32	\$1.55	FE 5/32 10-32	\$2.21		\$0.00	CV 5/32 10-32	\$6.80	CI 5/32 10-32	\$7.91
5/32	NPT1/8	UE 5/32 N1/8	\$2.76	EE 5/32 N1/8	\$2.21	FC 5/32 N1/8	\$1.55	FE 5/32 N1/8	\$2.21	BC 5/32 N1/8	\$2.93	CV 5/32 N1/8	\$6.80	CI 5/32 N1/8	
5/32	NPT1/4					FC 5/32 N1/4	\$1.55	FE 5/32 N1/4	\$2.21	BC 5/32 N1/4	\$2.93	CV 5/32 N1/4	\$6.80	CI 5/32 N1/4	
3/16	10-32UNF	UE 3/16 10-32	\$3.31					FE 3/16 10-32	\$2.21						
3/16	NPT1/8	UE 3/16 N1/8	\$3.31	EE 3/16 N1/8	\$2.21			FE 3/16 N1/8	\$2.21	BC 3/16 N1/8	\$2.92	CV 3/16 N1/8	\$6.80	CI 3/16 N1/8	
3/16	NPT1/4	UE 3/16 N1/4	\$3.31	EE 3/16 N1/4	\$2.21			FE 3/16 N1/4	\$2.21	BC 3/16 N1/4	\$2.92				
3/16	NPT3/8		\$0.00	EE 3/16 N3/8	\$2.79										
1/4	10-32UNF	UE 1/4 10-32	\$3.31					FE 1/4 10-32	\$2.21			CV 1/4 10-32	\$6.80	CI 1/4 10-32	\$7.91
1/4	NPT1/8	UE 1/4 N1/8	\$3.31	EE 1/4 N1/8	\$2.21	FC 1/4 N1/8	\$1.55	FE 1/4 N1/8	\$2.21	BC 1/4 N1/8	\$3.50	CV 1/4 N1/8	\$7.35	CI 1/4 N1/8	\$8.45
1/4	NPT1/4	UE 1/4 N1/4	\$3.77	EE 1/4 N1/4	\$2.21	FC 1/4 N1/4	\$1.76	FE 1/4 N1/4	\$2.21	BC 1/4 N1/4	\$3.99	CV 1/4 N1/4	\$7.35	CI 1/4 N1/4	\$8.45
1/4	NPT3/8		\$0.00	EE 1/4 N3/8	\$2.79		\$0.00	FE 1/4 N3/8	\$2.79			CV 1/4 N3/8	\$9.38		
5/16	NPT1/8	UE 5/16 N1/8	\$3.44	EE 5/16 N1/8	\$2.37	FC 5/16 N1/8	\$1.77	FE 5/16 N1/8	\$2.38	BC 5/16 N1/8	\$3.64	CV 5/16 N1/8	\$7.35	CI 5/16 N1/8	\$8.45
5/16	NPT1/4	UE 5/16 N1/4	\$3.44	EE 5/16 N1/4	\$2.37	FC 5/16 N1/4	\$1.77	FE 5/16 N1/4	\$2.38	BC 5/16 N1/4	\$3.99	CV 5/16 N1/4	\$7.35		
5/16	NPT3/8	UE 5/16 N3/8	\$4.12	EE 5/16 N3/8	\$2.61	FC 5/16 N3/8	\$2.10	FE 5/16 N3/8	\$2.61			CV 5/16 N3/8	\$9.38		
3/8	NPT1/8	UE 3/8 N1/8	\$4.12												
3/8	NPT1/4	UE 3/8 N1/4	\$4.12	EE 3/8 N1/4	\$3.29	FC 3/8 N1/4	\$2.36	FE 3/8 N1/4	\$3.29	BC 3/8 N1/4	\$3.99	CV 3/8 N1/4	\$8.02	CI 3/8 N1/4	\$9.12
3/8	NPT3/8	UE 3/8 N3/8	\$4.44	EE 3/8 N3/8	\$3.29	FC 3/8 N3/8	\$2.36	FE 3/8 N3/8	\$3.29	BC 3/8 N3/8	\$4.70	CV 3/8 N3/8	\$9.38	CI 3/8 N3/8	
3/8	NPT1/2			EE 3/8 N1/2	\$4.92	FC 3/8 N1/2	\$3.58	FE 3/8 N1/2	\$4.92			CV 3/8 N1/2	\$11.19	CI 3/8 N1/2	
1/2	NPT1/4	UE 1/2 N1/4	\$4.80	EE 1/2 N1/4	\$4.92	FC 1/2 N1/4	\$3.58								
1/2	NPT3/8	UE 1/2 N3/8	\$4.80	EE 1/2 N3/8	\$4.92	FC 1/2 N3/8	\$3.58			BC 1/2 N3/8	\$5.05	CV 1/2 N3/8	\$10.72	CI 1/2 N3/8	\$11.82
1/2	NPT1/2	UE 1/2 N1/2	\$5.12	EE 1/2 N1/2	\$4.92					BC 1/2 N1/2	\$5.41	CV 1/2 N1/2	\$11.19	CI 1/2 N1/2	\$12.30
4 mm	M5X0.8	UE 4 M5	\$2.76	EE 4 M5	\$2.21			FE 4 M5	\$2.21			CV 4 M5	\$6.80	CI 4 M5	
4 mm	M6X1	UE 4 M6	\$2.76	EE 4 M6	\$2.21			FE 4 M6	\$2.21			CV 4 M6	\$6.80	CI 4 M6	
4 mm	R1/8	UE 4 R1/8	\$2.76	EE 4 R1/8	\$2.21	FC 4 R1/8	\$1.55	FE 4 R1/8	\$2.21	BC 4 R1/8	\$2.92	CV 4 R1/8	\$6.80	CI 4 R1/8	
4 mm	R1/4	UE 4 R1/4	\$3.31	EE 4 R1/4	\$2.21	FC 4 R1/4	\$1.55	FE 4 R1/4	\$2.21	BC 4 R1/4	\$2.92	CV 4 R1/4	\$7.35	CI 4 R1/4	
6 mm	M5X0.8	UE 6 M5	\$3.31	EE 6 M5	\$2.21			FE 6 M5	\$2.21			CV 6 M5	\$6.80	CI 6 M5	
6 mm	M6X1	UE 6 M6	\$3.31	EE 6 M6	\$2.21			FE 6 M6	\$2.21			CV 6 M6	\$6.80	CI 6 M6	
6 mm	R1/8	UE 6 R1/8	\$3.31	EE 6 R1/8	\$2.21	FC 6 R1/8	\$1.55	FE 6 R1/8	\$2.21	BC 6 R1/8	\$3.50	CV 6 R1/8	\$7.35	CI 6 R1/8	\$8.45
6 mm	R1/4	UE 6 R1/4	\$3.77	EE 6 R1/4	\$2.21	FC 6 R1/4	\$1.75	FE 6 R1/4	\$2.21	BC 6 R1/4	\$3.99	CV 6 R1/4	\$7.35	CI 6 R1/4	
6 mm	R3/8	UE 6 R3/8	\$4.12	EE 6 R3/8	\$2.79	FC 6 R3/8	\$2.10	FE 6 R3/8	\$2.79	BC 6 R3/8	\$4.36	CV 6 R3/8	\$9.38	CI 6 R3/8	
6 mm	R1/2			EE 6 R1/2	\$4.36										
8 mm	R1/8	UE 8 R1/8	\$3.44	EE 8 R1/8	\$2.37	FC 8 R1/8	\$1.77	FE 8 R1/8	\$2.37	BC 8 R1/8	\$3.64	CV 8 R1/8	\$7.35	CI 8 R1/8	
8 mm	R1/4	UE 8 R1/4	\$3.44	EE 8 R1/4	\$2.37	FC 8 R1/4	\$1.77	FE 8 R1/4	\$2.37	BC 8 R1/4	\$3.99	CV 8 R1/4	\$7.35	CI 8 R1/4	
8 mm	R3/8	UE 8 R3/8	\$4.12	EE 8 R3/8	\$2.79	FC 8 R3/8	\$2.10	FE 8 R3/8	\$2.61	BC 8 R3/8	\$4.36	CV 8 R3/8	\$9.38	CI 8 R3/8	\$10.90
8 mm	R1/2	UE 8 R1/2	\$4.80	EE 8 R1/2	\$4.36	FC 8 R1/2	\$3.44			BC 8 R1/2	\$5.04	CV 8 R1/2	\$9.38	CI 8 R1/2	
10 mm	R1/8			EE 10 R1/8	\$3.29	FC 10 R1/8	\$2.36	FE 10 R1/8	\$3.29	BC 10 R1/8	\$3.99				
10 mm	R1/4	UE 10 R1/4	\$4.12	EE 10 R1/4	\$3.29	FC 10 R1/4	\$2.36	FE 10 R1/4	\$3.29	BC 10 R1/4	\$4.36	CV 10 R1/4	\$8.03	CI 10 R1/4	
10 mm	R3/8	UE 10 R3/8	\$4.44	EE 10 R3/8	\$3.29	FC 10 R3/8	\$2.36	FE 10 R3/8	\$3.29	BC 10 R3/8	\$4.70	CV 10 R3/8	\$9.38	CI 10 R3/8	
10 mm	R1/2	UE 10 R1/2	\$4.80	EE 10 R1/2	\$4.92	FC 10 R1/2	\$3.58	FE 10 R1/2	\$4.92	BC 10 R1/2	\$5.04	CV 10 R1/2	\$11.19	CI 10 R1/2	
12 mm	R1/4	UE 12 R1/4	\$4.80	EE 12 R1/4	\$4.92	FC 12 R1/4	\$3.58	FE 12 R1/4	\$4.92	BC 12 R1/4	\$4.70	CV 12 R1/4	\$10.72	CI 12 R1/4	
12 mm	R3/8	UE 12 R3/8	\$4.80	EE 12 R3/8	\$4.92	FC 12 R3/8	\$3.58	FE 12 R3/8	\$4.92	BC 12 R3/8	\$5.04	CV 12 R3/8	\$10.72	CI 12 R3/8	
12 mm	R1/2	UE 12 R1/2	\$5.13	EE 12 R1/2	\$4.92	FC 12 R1/2	\$3.58	FE 12 R1/2	\$4.92	BC 12 R1/2	\$5.41	CV 12 R1/2	\$11.19	CI 12 R1/2	

# Composite Push-In Air Fittings List Price



Model	Flow Valve		Bulkhead Union		Cross Union		Elbow Union		Straight Union		Tee Union		Y Union	
Tube OD	FV		BU		CU		EU		SU		TU		YU	
1/8	FV 1/8	\$7.89	BU 1/8	\$2.87	CU 1/8	\$3.39	EU 1/8	\$1.46	SU 1/8	\$1.46	TU 1/8	\$2.16	YU 1/8	\$2.16
5/32	FV 5/32	\$7.89	BU 5/32	\$2.87	CU 5/32	\$3.39	EU 5/32	\$1.46	SU 5/32	\$1.46	TU 5/32	\$2.16	YU 5/32	\$2.16
3/16	FV 3/16	\$7.89	BU 3/16	\$2.87	CU 3/16	\$3.39	EU 3/16	\$1.46	SU 3/16	\$1.46	TU 3/16	\$2.16	YU 3/16	\$2.16
1/4	FV 1/4	\$8.13	BU 1/4	\$2.87	CU 1/4	\$3.39	EU 1/4	\$1.53	SU 1/4	\$1.53	TU 1/4	\$2.16	YU 1/4	\$2.16
5/16	FV 5/16	\$8.13	BU 5/16	\$3.47	CU 5/16	\$3.39	EU 5/16	\$1.79	SU 5/16	\$1.75	TU 5/16	\$2.16	YU 5/16	\$2.16
3/8	FV 3/8	\$8.24	BU 3/8	\$4.20	CU 3/8	\$4.24	EU 3/8	\$2.03	SU 3/8	\$2.03	TU 3/8	\$2.69	YU 3/8	\$2.69
1/2	FV 1/2	\$10.67	BU 1/2	\$4.32	CU 1/2	\$5.25	EU 1/2	\$2.37	SU 1/2	\$2.36	TU 1/2	\$3.37	YU 1/2	\$3.37
4 mm	FV 04	\$8.13	BU 4	\$2.87	CU 4	\$3.39	EU 4	\$1.46	SU 4	\$1.46	TU 4	\$2.16	YU 4	\$2.16
6 mm	FV 06	\$8.13	BU 6	\$2.87	CU 6	\$3.39	EU 6	\$1.53	SU 6	\$1.53	TU 6	\$2.16	YU 6	\$2.16
8 mm	FV 08	\$8.24	BU 8	\$3.47	CU 8	\$4.24	EU 8	\$1.76	SU 8	\$1.75	TU 8	\$2.16	YU 8	\$2.16
10 mm	FV 10	\$11.89	BU 10	\$4.20	CU 10	\$5.01	EU 10	\$2.03	SU 10	\$2.03	TU 10	\$2.69	YU 10	\$2.69
12 mm	FV 12	\$13.22	BU 12	\$4.32	CU 12	\$5.25	EU 12	\$2.36	SU 12	\$2.36	TU 12	\$3.37	YU 12	\$3.37
Composite Fittings														
Model	Elbow Reducer (Tube-Stem)		Plug In Elbow		Male Manifold		Manifold Union		Reduced Branch		Reduced Union		Tee Union Reducer	
Tube OD	ER		PE		MM		MU		RB		RU		TU	
1/8	ER 1/8-5/32	\$2.82	PE 1/8	\$2.04	MM 1/4-5/32-N1/8	\$4.85	MU 5/32X1/8	\$4.37	RB 5/32-1/8	\$2.82	RU 5/32-1/8	\$1.75	TU 5/32-1/8	\$2.82
5/32	ER 5/32-1/4	\$2.82	PE 5/32	\$2.04	MM 5/16-5/32-N1/4	\$4.98	MU 1/4X5/32	\$4.37	RB 3/16-5/32	\$2.82	RU 3/16-5/32	\$1.75		
3/16					MM 5/16-1/4-N1/4	\$4.98	MU 5/16X5/32	\$4.37	RB 1/4-5/32	\$2.82	RU 1/4-5/32	\$1.75	TU 1/4-5/32	\$2.82
1/4	ER 1/4-5/16	\$2.82	PE 1/4	\$2.29		\$0.00	MU 5/16X1/4	\$4.37	RB 1/4-3/16	\$2.82	RU 1/4-3/16	\$2.03		
5/16	ER 5/16-3/8	\$2.82	PE 5/16	\$2.80		\$0.00	MU 3/8X1/4	\$6.07	RB 5/16-1/4	\$2.82	RU 5/16-1/4	\$2.03	TU 5/16-1/4	\$2.82
3/8	ER 3/8-1/2	\$4.03	PE 3/8	\$5.01		\$0.00		\$0.00	RB 3/8-1/4	\$3.37	RU 3/8-1/4	\$2.36	TU 3/8-1/4	\$3.37
1/2			PE 1/2	\$5.01					RB 3/8-5/16	\$3.37	RU 3/8-5/16	\$2.36	TU 3/8-5/16	\$3.37
4 mm					MM 06-04-R1/8	\$4.98	MU 6-4	\$4.37	RB 1/2-3/8	\$4.04	RU 1/2-3/8	\$2.69	TU 1/2-3/8	\$4.03
6 mm	ER 4-6	\$2.82	PE 4	\$2.29	MM 08-04-R1/4	\$4.98	MU 8-4	\$4.37	RB 6-4	\$2.82	RU 6-4	\$1.75	TU 6-4	\$2.82
8 mm	ER 6-8	\$2.82	PE 6	\$2.80	MM 08-06-R3/8	\$6.43	MU 8-6	\$4.98	RB 8-6	\$2.82	RU 8-6	\$2.03	TU 8-6	\$2.82
10 mm	ER 8-10	\$3.37	PE 8		MM 10-08-R3/8	\$6.79	MU 10-6	\$5.70	RB 10-8	\$3.37	RU 10-8	\$2.36	TU 10-8	\$3.37
12 mm	ER 10-12	\$4.03	PE 10				MU 10-8	\$5.70	RB 12-10	\$4.04	RU 12-10	\$2.69	TU 12-10	\$4.03
Composite Fittings														
Model	Plug		Stem Coupler		Stem Reducer		Tube Reducer (Tube-Stem)		Model		Stack Elbow		Male Angle	
Tube OD	PG		SC		SR		TR		Tube OD	Pipe Size	SE		MA	
1/8	PG 1/8	\$0.61	SC 1/8	\$0.72					5/32	10-32	SE 5/32 10-32	\$4.25	MA 5/32 10-32	\$1.95
5/32	PG 5/32	\$0.61	SC 5/32	\$0.72	SR 1/8-5/32	\$0.97	TR 1/8-5/32	\$1.85	5/32	NPT1/8	SE 5/32 N1/8	\$4.25	MA 5/32 N1/8	\$1.95
3/16									1/4	10-32	SE 1/4 10-32	\$3.77	MA 1/4 10-32	\$1.95
1/4	PG 1/4	\$0.61	SC 1/4	\$0.72	SR 5/32-1/4	\$0.97	TR 5/32-1/4	\$1.85	1/4	NPT1/8	SE 1/4 N1/8	\$3.77	MA 1/4 N1/8	\$1.95
5/16	PG 5/16	\$0.72	SC 5/16	\$0.97	SR 1/4-5/16	\$1.22	TR 1/4-5/16	\$2.18	1/4	NPT1/4	SE 1/4 N1/4	\$4.29	MA 1/4 N1/4	\$1.95
3/8	PG 3/8	\$0.72	SC 3/8	\$0.97	SR 1/4-3/8	\$1.22	TR 1/4-3/8	\$2.18	5/16	NPT1/4	SE 5/16 N1/4	\$3.92	MA 5/16 N1/4	\$1.79
1/2	PG 1/2	\$0.88	SC 1/2	\$0.97	SR 3/8-1/2	\$1.22	TR 3/8-1/2	\$2.95	5/16	NPT3/8	SE 5/16 N3/8	\$4.12	MA 5/16 N3/8	\$1.79
4 mm	PG 4	\$0.61	SC 4	\$0.72					3/8	NPT1/4	SE 3/8 N1/4	\$4.12	MA 3/8 N1/4	\$2.45
6 mm	PG 6	\$0.61	SC 6	\$0.72	SR 4-6	\$1.22	TR 4-6	\$1.85	3/8	NPT3/8	SE 3/8 N3/8	\$4.44	MA 3/8 N3/8	\$2.68
8 mm	PG 8	\$0.71	SC 8	\$0.97	SR 6-8	\$0.97	TR 6-8	\$2.18						
10 mm	PG10	\$0.72	SC10	\$0.97	SR 8-10	\$1.22	TR 8-10	\$2.18	1/2	NPT3/8	SE 1/2 N3/8	\$4.81	MA 1/2 N3/8	\$2.88
12 mm	PG 12	\$0.72	SC 12	\$0.97	SR 10-12	\$1.22	TR 10-12	\$2.95	1/2	NPT1/2	SE 1/2 N1/2	\$5.12	MA 1/2 N1/2	\$3.07

Miniature Composite Fittings													
Model		Male Connector		Compact Male Connector With Internal Hex		Male Elbow		Branch Tee		Run Tee		Female Connector	
Tube OD	Pipe Size	MCM		CCM		MEM		BTM		RTM		FCM	
1/8	10-32UNF	MCM 1/8 10-32	\$1.88	CCM 1/8 10-32	\$2.04	MEM 1/8 10-32	\$2.76	BTM 1/8 10-32	\$4.41	RTM 1/8 10-32	\$2.50	FCM 1/8 10-32	\$2.43
1/8	NPT1/8	MCM 1/8 N1/8	\$1.88	CCM 1/8 N1/8	\$2.04	MEM 1/8 N1/8	\$2.76	BTM 1/8 N1/8	\$4.41	RTM 1/8 N1/8	\$2.50	FCM 1/8 N1/8	\$2.43
5/32	10-32UNF	MCM 5/32 10-32	\$1.88	CCM 5/32 10-32	\$2.04	MEM 5/32 10-32	\$2.76	BTM 5/32 10-32	\$4.41	RTM 5/32 10-32	\$2.50	FCM5/32 10-32	\$2.43
5/32	NPT1/8	MCM 5/32 N1/8	\$1.88	CCM 5/32 N1/8	\$2.04	MEM 5/32 N1/8	\$2.76	BTM 5/32 N1/8	\$4.41	RTM 5/32 N1/8	\$2.50	FCM 5/32 N1/8	\$2.43
1/4	10-32UNF	MCM 1/4 10-32	\$1.88	CCM 1/4 10-32	\$2.04	MEM 1/4 10-32	\$2.76	BTM 1/4 10-32	\$4.41	RTM 1/4 10-32	\$3.31	FCM 1/4 10-32	\$2.43
1/4	NPT1/8	MCM 1/4 N1/8	\$1.88	CCM 1/4 N1/8	\$2.04	MEM 1/4 N1/8	\$2.76	BTM 1/4 N1/8	\$4.41	RTM 1/4 N1/8	\$3.31	FCM 1/4 N1/8	\$2.43

Miniature Composite Fittings									
Model		Cross Union		Elbow Union		Straight Union		Straight Union	
Tube OD		CUM		EUM		SUM		TUM	
1/8		CUM 1/8	\$4.41	EUM 1/8	\$2.54	SUM 1/8	\$2.54	TUM 1/8	\$3.53
5/32		CUM 5/32	\$4.41	EUM 5/32	\$2.54	SUM 5/32	\$2.54	TUM 5/32	\$3.53
1/4		CUM 1/4	\$4.41	EUM 1/4	\$2.54	SUM 1/4	\$2.54	TUM 1/4	\$3.53

# Composite Fittings Specifications



## A. Installation of Pipe Fittings:

1. Tighten fitting by hand, then turn it 2-3 turns with a wrench until it reaches the desire torque listed. If the fitting is not pre-coated with sealant, or is used and the sealant is not in good condition, apply Teflon sealant tape to the threads.

Recommendation of Torque for Tightening Fittings		
Fitting Thread Size	Torque, lb-ft	Torque, kgf/cm
10-32, M5 –M6	1.0 -1.5	14 –21
NPT1/8, R1/8	5 -6.5	70 -90
NPT1/4, R1/4	8.5 -10	120 -140
NPT3/8, R3/8	16 -17.5	220 -240
NPT1/2, R1/2	20 -21.5	280 -300

## B. Installation of Tubing into Fitting:

1. Slowly push a clean and perpendicularly cut tubing into the fitting until it comes to a dead stop.
2. Pull the tubing back gently until the Grip Ring or Collet of the fitting grips onto the tubing and has a good seal.
3. Use Polyethylene, Polypropylene, Polyurethane or Nylon Tubing designed for instant fittings.

## C. Removal of Tubing from Fitting:

1. Push in evenly on the two long oval sides of the Release Button.
2. Pull out the tube while depressing the Release Button.
3. To reuse the tubing, cut off the lodged portion of the previously used tubing in an even and perpendicular fashion.

## D. Recommended Tubing Material, Size and Hardness Requirements:

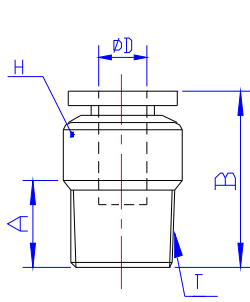
Tubing Material	Specified Size	Hardness (Durometer)
Polyurethane	+/- 0.006" (+/-0.15 mm)	Shore A 85 or higher
Polyethylene	+/- 0.004" (+/-0.1 mm)	Shore D 44—D75
Polypropylene	+/- 0.004" (+/-0.1 mm)	Shore D 44—D75
Nylon	+/- 0.004" (+/-0.1 mm)	Shore D 44—D75
Pre-grooved Metal Tubing	+/- 0.004" (+/-0.1 mm)	

## E. Specifications, Materials of Construction and Schematic of Typical Construction:

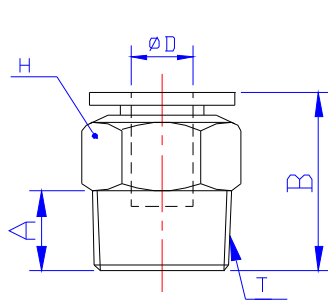
	Composite Fittings
Operating Pressure Range	0 - 180 PSI (0 - 1200 kpa)
Vacuum	0 - 29.5 in Hg (750 mm Hg)
Operating Temperature	32 - 140 °F (0 - 60 °C)
Recommended Tubing Material	Polyurethane, Nylon, Polyethylene, Polypropylene
Metal Body	Brass, Nickel Plated
Plastic Body	PBT (Polybutylene terephthalate)
Release Button	POM (Poly oxy methylene copolymer)
Grip Ring or Collet	300 series Stainless Steel
O-ring	NBR (Buna-N)
Thread Sealant	Teflon
Service	FOR AIR ONLY

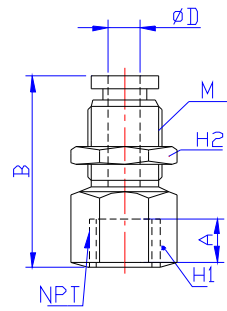
SCHEMATIC OF TYPICAL COMPOSITE FITTING CONSTRUCTION



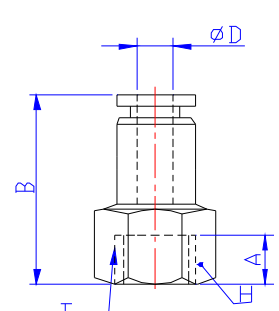
Compact Male Connector, CC



Male Connector, MC



Bulkhead Connector, BC



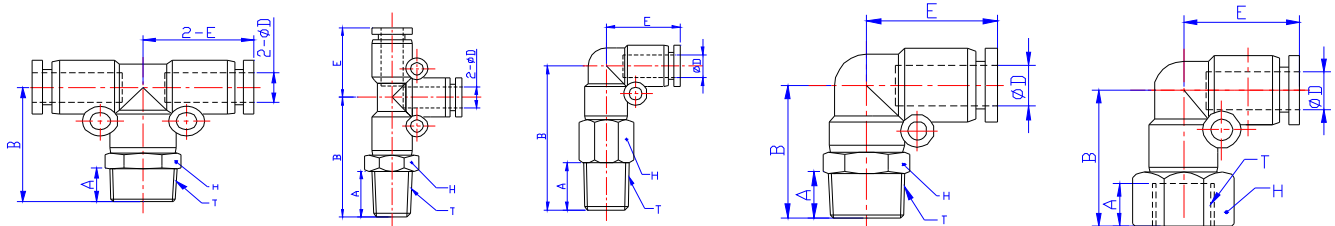
Female Connector, FC

ØD	T	Model	A	B	H	Model	A	B	H	Model	M	A	H1	H2	B	Model	A	B	H
5/32	10-32UNF	CC 5/32 10-32	3.8	20.3	Ø10.0	MC 5/32 10-32	3.8	20.3	11.1										
5/32	NPT1/8	CC 5/32 N1/8	7.5	19.8	Ø10.0	MC 5/32 N1/8	7.5	19.8	11.1	BC 5/32 N1/8	M12	7.5	14.3	14.3	23.8	FC 5/32 N1/8	7.5	23.8	14.3
5/32	NPT1/4	CC 5/32 N1/4				MC 5/32 N1/4	10.5	18.9	14.3							FC 5/32 N1/4	10.5	26.8	17.4
3/16	10-32UNF	CC 3/16 10-32				MC 3/16 10-32	3.8	20.9	11.1										
3/16	NPT1/8	CC 3/16 N1/8				MC 3/16 N1/8	7.5	20.6	11.1	BC 3/16 N1/8	M14	7.5	14.3	17.4	24.7	FC 3/16 N1/8	7.5	24.4	14.3
3/16	NPT1/4	CC 3/16 N1/4				MC 3/16 N1/4	10.5	23.7	14.3	BC 3/16 N1/4	M14	10.5	17.4	17.4	30.4	FC 3/16 N1/4	10.5	27.4	17.4
3/16	NPT3/8	CC 3/16 N3/8				MC 3/16 N3/8	11	21.2	17.4										
1/4	10-32UNF	CC 1/4 10-32	3.8	21.2	Ø12.0	MC 1/4 10-32	3.8	21.2	12.7										
1/4	NPT1/8	CC 1/4 N1/8	7.5	20.9	Ø12.0	MC 1/4 N1/8	7.5	20.9	12.7	BC 1/4 N1/8	M14	7.5	17.4	17.4	24.7	FC 1/4 N1/8	7.5	24.9	14.3
1/4	NPT1/4	CC 1/4 N1/4	10.5	23.7	Ø14.0	MC 1/4 N1/4	10.5	23.7	14.3	BC 1/4 N1/4	M14	10.5	17.4	17.4	30.4	FC 1/4 N1/4	10.5	27.9	17.4
1/4	NPT3/8	CC 1/4 N3/8				MC 1/4 N3/8	11	21.2	17.4										
5/16	NPT1/8	CC 5/16 N1/8	7.5	25.9	Ø14.0	MC 5/16 N1/8	7.5	25.9	14.3	BC 5/16 N1/8	M16	7.5	19	19	27.9	FC 5/16 N1/8	7.5	26.4	14.3
5/16	NPT1/4	CC 5/16 N1/4	10.5	25.9	Ø14.0	MC 5/16 N1/4	10.5	25.9	14.3	BC 5/16 N1/4	M16	10.5	19	19	35.9	FC 5/16 N1/4	10.5	29.4	17.4
5/16	NPT3/8	CC 5/16 N3/8	11	22.4	Ø17.0	MC 5/16 N3/8	11	22.4	17.4	BC 5/16 N3/8	M16	11	19	19	35.4	FC 5/16 N3/8	11	29.9	22.2
3/8	NPT1/8	CC 3/8 N1/8				MC 3/8 N1/8	7.5	28.2	17.4										
3/8	NPT1/4	CC 3/8 N1/4	10.5	30.5	Ø17.0	MC 3/8 N1/4	10.5	30.5	17.4	BC 3/8 N1/4	M20	10.5	22.2	22.2	31.9	FC 3/8 N1/4			
3/8	NPT3/8	CC 3/8 N3/8	11	27.5	Ø17.0	MC 3/8 N3/8	11	27.5	17.4	BC 3/8 N3/8	M20	11	22.2	22.2	34.7	FC 3/8 N3/8			
3/8	NPT1/2	CC 3/8 N1/2	14	25.8	Ø21.0	MC 3/8 N1/2	14	25.8	22.2										
1/2	NPT1/4	CC 1/2 N1/4	10.5	33.9	Ø21.0	MC 1/2 N1/4	10.5	33.9	22.2							FC 1/2 N1/4			
1/2	NPT3/8	CC 1/2 N3/8	11	30.4	Ø21.0	MC 1/2 N3/8	11	30.4	22.2	BC 1/2 N3/8	M22	11	25.4	25.4	35.4	FC 1/2 N3/8			
1/2	NPT1/2	CC 1/2 N1/2	14	33.4	Ø21.0	MC 1/2 N1/2	14	33.4	22.2	BC 1/2 N1/2	M22	14	25.4	25.4	41.4				

Tube OD	T	Model	B	H	Model	B	H	Model	H1	H2	B	Model	B	H
4	M5	CC 4 M5	22.8	10	MC 4 M5	22.8	10							
4	M6	CC 4 M6	24.3	10	MC 4 M6	24.3	10							
4	R1/8	CC 4 R1/8	20.9	10	MC 4 R1/8	20.9	10	BC 4 R1/8	14	14	27.5	FC 4 R1/8	27.5	12
4	R1/4	CC 4 R1/4	23.6	14	MC 4 R1/4	23.6	14	BC 4 R1/4	19	14	30.1	FC 4 R1/4	30.1	17
6	M5	CC 6 M5	24.1	12	MC 6 M5	24.1	12							
6	M6	CC 6 M6	25.8	12	MC 6 M6	25.8	12							
6	R1/8	CC 6 R1/8	22.3	12	MC 6 R1/8	22.3	12	BC 6 R1/8	17	17	28.8	FC 6 R1/8	28.8	14
6	R1/4	CC 6 R1/4	22.2	14	MC 6 R1/4	22.2	14	BC 6 R1/4	17	17	29.2	FC 6 R1/4	29.2	17
6	R3/8	CC 6 R3/8	24.1	17	MC 6 R3/8	24.1	17	BC 6 R3/8	19	17	31.2	FC 6 R3/8	31.2	19
6	R1/2	CC 6 R1/2	28.4	21	MC 6 R1/2	28.4	21							
8	R1/8	CC 8 R1/8	26.2	14	MC 8 R1/8	26.2	14	BC 8 R1/8	17	19	29.6	FC 8 R1/8	29.6	10
8	R1/4	CC 8 R1/4	25.7	14	MC 8 R1/4	25.7	14	BC 8 R1/4	17	19	30.5	FC 8 R1/4	30.5	17
8	R3/8	CC 8 R3/8	28.1	17	MC 8 R3/8	28.1	17	BC 8 R3/8	19	19	31.7	FC 8 R3/8	31.7	19
8	R1/2	CC 8 R1/2	28.0	21	MC 8 R1/2	28.0	21	BC 8 R1/2	24	19	36.8	FC 8 R1/2	36.8	24
10	R1/8	CC 10 R1/8	28.5	17	MC 10 R1/8	28.5	17	BC 10 R1/8	21	24	31.5	FC 10 R1/8	31.5	19
10	R1/4	CC 10 R1/4	30.0	17	MC 10 R1/4	30.0	17	BC 10 R1/4	21	24	32.7	FC 10 R1/4	32.7	19
10	R3/8	CC 10 R3/8	30.8	17	MC 10 R3/8	30.8	17	BC 10 R3/8	21	24	38.4	FC 10 R3/8	38.4	19
10	R1/2	CC 10 R1/2	29.6	21	MC 10 R1/2	29.6	21	BC 10 R1/2	24	24	38.4	FC 10 R1/2	38.4	24
12	R1/4	CC 12 R1/4	34.7	19	MC 12 R1/4	34.7	19	BC 12 R1/4	24	26	33.2	FC 12 R1/4	33.2	21
12	R3/8	CC 12 R3/8	30.5	19	MC 12 R3/8	30.5	19	BC 12 R3/8	24	26	37.0	FC 12 R3/8	37.0	21
12	R1/2	CC 12 R1/2	29.9	21	MC 12 R1/2	29.9	21	BC 12 R1/2	24	26	37.7	FC 12 R1/2	37.7	24

Units in mm

# Composite Push-In Air Fittings Dimensions



Branch Tee, BT

Run Tee, RT

Extended Elbow, EE

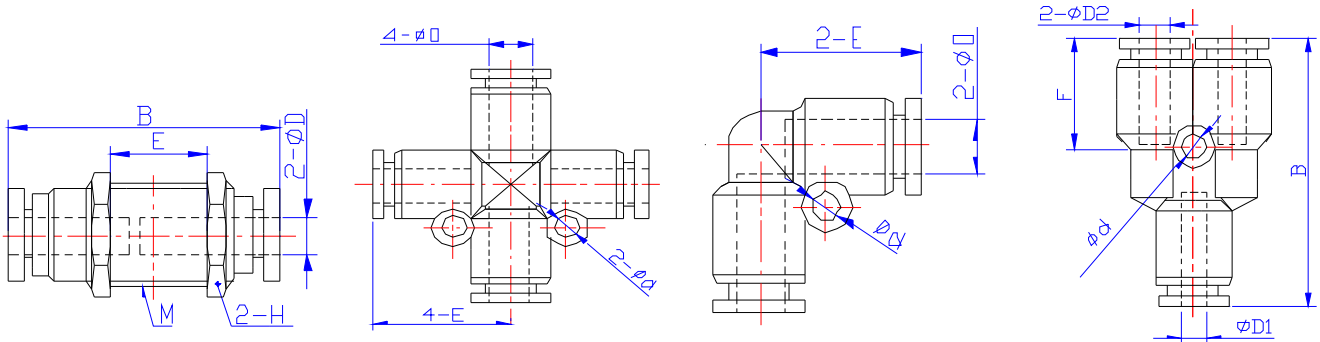
Male Elbow, ME

Female Elbow, FE

ΦD	T	A	H	Model	Model	B	E	Model	B	E	Model	B	E	Model	B	E	H
5/32	10-32UNF	3.8	11.1	BT 5/32 10-32	RT 5/32 10-32	23	18.5	EE5/32 10-32	33.5	17.5	ME 5/32 10-32	22	17.5	FE 5/32 10-32			
5/32	NPT1/8	7.5	11.1	BT 5/32 N1/8	RT 5/32 N1/8	25	18.5	EE 5/32 N1/8	36	17.5	ME 5/32 N1/8	24	17.5	FE 5/32 N1/8	23.5	17.5	14.3
5/32	NPT1/4	10.5	14.3	BT 5/32 N1/4	RT 5/32 N1/4	29	18.5				ME 5/32 N1/4	28	17.5	FE 5/32 N1/4			
3/16	10-32UNF	3.8	11.1	BT 3/16 10-32	RT 3/16 10-32	23	18.8				ME 3/16 10-32	22	17.8	FE 3/16 10-32			
3/16	NPT1/8	7.5	11.1	BT 3/16 N1/8	RT 3/16 N1/8	25.5	18.8	EE 3/16 N1/8	36	17.8	ME 3/16 N1/8	24.5	17.8	FE 3/16 N1/8	23.8	17.8	14.3
3/16	NPT1/4	10.5	14.3	BT 3/16 N1/4	RT 3/16 N1/4	29	18.8	EE 3/16 N1/4	39.5	17.8	ME 3/16 N1/4	28	17.8	FE 3/16 N1/4	26.5	17.8	17.4
3/16	NPT3/8	11	17.4	BT 3/16 N3/8	RT 3/16 N3/8	30	18.8	EE 3/16 N3/8	40.5	17.8	ME 3/16 N3/8	29	17.8				
1/4	10-32UNF	3.8	12.7	BT 1/4 10-32	RT 1/4 10-32	24.7	19.3				ME 1/4 10-32	24.4	19	FE 1/4 10-32			
1/4	NPT1/8	7.5	12.7	BT 1/4 N1/8	RT 1/4 N1/8	26	19.3	EE 1/4 N1/8	39.7	19	ME 1/4 N1/8	25.7	19	FE 1/4 N1/8	24.9	19	14.3
1/4	NPT1/4	10.5	14.3	BT 1/4 N1/4	RT 1/4 N1/4	29.5	19.3	EE 1/4 N1/4	43.2	19	ME 1/4 N1/4	29.2	19	FE 1/4 N1/4	27.9	19	17.4
1/4	NPT3/8	11	17.4	BT 1/4 N3/8	RT 1/4 N3/8	30.5	19.3	EE 1/4 N3/8	44.2	19	ME 1/4 N3/8	30.2	19	FE 1/4 N3/8			
5/16	NPT1/8	7.5	14.3	BT 5/16 N1/8	RT 5/16 N1/8	29.45	22.75	EE 5/16 N1/8	44.8	22.8	ME 5/16 N1/8	29.5	22.8	FE 5/16 N1/8	27.5	22.8	14.3
5/16	NPT1/4	10.5	14.3	BT 5/16 N1/4	RT 5/16 N1/4	32.45	22.75	EE 5/16 N1/4	47.8	22.8	ME 5/16 N1/4	32.5	22.8	FE 5/16 N1/4	31	22.8	17.4
5/16	NPT3/8	11	17.4	BT 5/16 N3/8	RT 5/16 N3/8	33.45	22.75	EE 5/16 N3/8	48.8	22.8	ME 5/16 N3/8	33.5	22.8	FE 5/16 N3/8	32	22.8	22.2
3/8	NPT1/8	7.5	17.4	BT 3/8 N1/8	RT 3/8 N1/8	35	27				ME 3/8 N1/8	34.3	26.3				
3/8	NPT1/4	10.5	17.4	BT 3/8 N1/4	RT 3/8 N1/4	38	27	EE 3/8 N1/4	56.3	26.3	ME 3/8 N1/4	37.3	26.3	FE 3/8 N1/4	35.3	26.3	17.4
3/8	NPT3/8	11	17.4	BT 3/8 N3/8	RT 3/8 N3/8	38.5	27	EE 3/8 N3/8	57.8	26.3	ME 3/8 N3/8	37.8	26.3	FE 3/8 N3/8	35.8	26.3	22.2
3/8	NPT1/2	14	22.2	BT 3/8 N1/2	RT 3/8 N1/2	42	27	EE 3/8 N1/2	61.3	26.3	ME 3/8 N1/2	41.3	26.3	FE 3/8 N1/2			
1/2	NPT1/4	10.5	22.2	BT 1/2 N1/4	RT 1/2 N1/4	39.5	29.6	EE 1/2 N1/4	62.5	29.6	ME 1/2 N1/4	39.5	29.6				
1/2	NPT3/8	11	22.2	BT 1/2 N3/8	RT 1/2 N3/8	40	29.6	EE 1/2 N3/8	63	29.6	ME 1/2 N3/8	40	29.6	FE 1/2-N3/8	37.5	29.6	22.2
1/2	NPT1/2	14	22.2	BT 1/2 N1/2	RT 1/2 N1/2	43	29.6	EE 1/2 N1/2	66	29.6	ME 1/2 N1/2	43	29.6	FE 1/2-N1/2	40.5	29.6	25.4

ΦD	Pipe Size	E	Model	Model	B	H	Model	B1	H	Model	B	H	Model	B2	H2
4	M5	18.1	BT 4 M5	RT 4 M5	23.0	10	EE 4 M5	36.1	10	ME 4 M5	23.0	10	FE 4 M5	20.9	10
4	M6	18.1	BT 4 M6	RT 4 M6	22.4	10	EE 4 M6	35.2	10	ME 4 M6	22.4	10	FE 4 M6	20.7	10
4	R1/8	18.1	BT 4 R1/8	RT 4 R1/8	26.1	10	EE 4 R1/8	36.8	10	ME 4 R1/8	26.1	10	FE 4 R1/8	22.3	12
4	R1/4	18.1	BT 4 R1/4	RT 4 R1/4	27.7	14	EE 4 R1/4	36.4	14	ME 4 R1/4	27.7	14	FE 4 R1/4	28.1	17
6	M5	21.1	BT 6 M5	RT 6 M5	25.8	12	EE 6 M5	39.0	12	ME 6 M5	25.8	12	FE 6 M5	23.0	12
6	M6	21.1	BT 6 M6	RT 6 M6	26.4	12	EE 6 M6	39.6	12	ME 6 M6	26.4	12	FE 6 M6	23.1	12
6	R1/8	21.1	BT 6 R1/8	RT 6 R1/8	28.1	12	EE 6 R1/8	38.8	12	ME 6 R1/8	28.1	12	FE 6 R1/8	26.0	14
6	R1/4	21.1	BT 6 R1/4	RT 6 R1/4	29.2	14	EE 6 R1/4	45.0	14	ME 6 R1/4	29.2	14	FE 6 R1/4	28.5	17
6	R3/8	21.1	BT 6 R3/8	RT 6 R3/8	31.7	17	EE 6 R3/8	44.9	17	ME 6 R3/8	31.7	17	FE 6 R3/8	33.4	19
6	R1/2	21.1	BT 6 R1/2	RT 6 R1/2	34.9	21	EE 6 R1/2	48.1	21	ME 6 R1/2	34.9	21			
8	R1/8	23.1	BT 8 R1/8	RT 8 R1/8	30.1	14	EE 8 R1/8	42.2	14	ME 8 R1/8	30.1	14			
8	R1/4	23.1	BT 8 R1/4	RT 8 R1/4	30.8	14	EE 8 R1/4	46.7	14	ME 8 R1/4	30.8	14	FE 8 R1/8	28.6	14
8	R3/8	23.1	BT 8 R3/8	RT 8 R3/8	33.6	17	EE 8 R3/8	46.5	17	ME 8 R3/8	33.6	17	FE 8 R1/4	30.0	17
8	R1/2	23.1	BT 8 R1/2	RT 8 R1/2	35.2	21	EE 8 R1/2	52.7	21	ME 8 R1/2	35.2	21	FE 10 R1/8	30.7	17
10	R1/8	27.9	BT 10 R1/8	RT 10 R1/8	32.6	17	EE 10 R1/8	53.1	17	ME 10 R1/8	32.6	17			
10	R1/4	27.9	BT 10 R1/4	RT 10 R1/4	35.1	17	EE 10 R1/4	56.3	17	ME 10 R1/4	35.1	17	FE 10 R1/4	31.1	17
10	R3/8	27.9	BT 10 R3/8	RT 10 R3/8	36.6	17	EE 10 R3/8	57.0	17	ME 10 R3/8	36.6	17	FE 10 R3/8	34.4	19
10	R1/2	27.9	BT 10 R1/2	RT 10 R1/2	38.6	21	EE 10 R1/2		21	ME 10 R1/2	38.6	21	FE 10 R1/2	37.8	24
12	R1/4	28.3	BT 12 R1/4	RT 12 R1/4	35.2	19	EE 12 R1/4	62.6	19	ME 12 R1/4	35.2	19	FE 12 R1/4	36.4	19
12	R3/8	28.3	BT 12 R3/8	RT 12 R3/8	37.5	19	EE 12 R3/8	62.9	19	ME 12 R3/8	37.5	19	FE 12 R3/8	39.0	19
12	R1/2	28.3	BT 12 R1/2	RT 12 R1/2	39.8	21	EE 12 R1/2		21	ME 12 R1/2	39.8	21	FE 12 R1/2	42.8	24

Units in mm



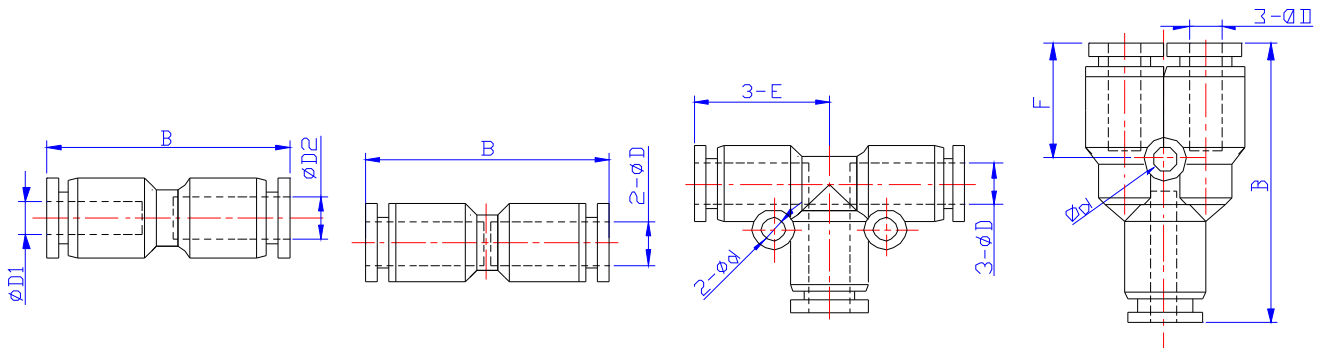
Bulkhead Union, BU

Cross Union, CU

Elbow Union, EU

Reduced Branch, RB

φD	Model	B	E	H	M	Model	Ød	E	Model	E	Ød	Model	ØD1	ØD2	Ød	B	F
5/32	BU 5/32	30.1	9.7	14.3	M12	CU 5/32	3.2	17.5	EU 5/32	17.5	3.2	RB 3/16-5/32	3/16	5/32	3.2	35.8	14.0
3/16	BU 3/16	31.8	7.5	17.4	M14	CU 3/16	3.2	17.8	EU 3/16	17.8	3.2	RB 1/4-5/32	1/4	5/32	3.2	36.8	14.5
1/4	BU 1/4	31.8	7.5	17.4	M14	CU 1/4	3.2	19.3	EU 1/4	19	3.2	RB 1/4-3/16	1/4	3/16	3.2	37.1	14.8
5/16	BU 5/16	35.3	6.8	19.0	M16	CU 5/16	3.2	22.75	EU 5/16	22.8	3.2	RB 5/16-1/4	5/16	1/4	3.2	39.9	17.7
3/8	BU 3/8	36.4	8.9	22.2	M20	CU 3/8	4.2	27	EU 3/8	26.3	4.2	RB 3/8-1/4					
1/2	BU 1/2	45.3	12.8	25.4	M22	CU 1/2	4.3	29.6	EU 1/2	29.6	4.3	RB 3/8-5/16	3/8	5/16	4.2	47.9	20.3
												RB 1/2-3/8	1/2	3/8	4.2	51.6	20.0
4	BU 4	35.2	13.4	14.0	12.0	CU 4	2.0	18.2	EU 4	18.2	3.0						
6	BU 6	35.4	14.3	17.0	14.0	CU 6	3.0	21.0	EU 6	21.0	3.0	RB 6-4		10.5	2.0	36.7	14.5
8	BU 8	41.1	16.2	19.0	16.0	CU 8	3.0	23.0	EU 8	23.0	3.0	RB 8-6		13.2	3.0	42.4	17.2
10	BU 10	44.7	16.6	24.0	20.0	CU 10	3.0	27.4	EU 10	27.4	3.0	RB 10-8		14.8	4.0	50.2	20.1
12	BU 12	45.3	16.6	26.0	22.0	CU 12	2.5	27.4	EU 12	27.4	3.0	RB 12-10		18.4	4.0	54.6	22.4



Reduced Union, RU

Straight Union, SU

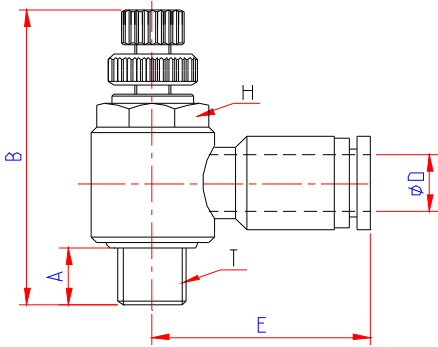
Tee Union, TU

Y Union, YU

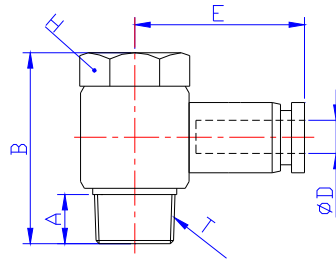
Part No.	ØD1	ØD2	B	Part No.	ØD	B	Part No.	ØD	Ød	E	Part No.	ØD	Ød	B	F
RU 3/16-5/32	3/16	5/32	33.3	SU 5/32	5/32	33	TU 5/32	5/32	3.2	18.5	YU 5/32	5/32	3.2	35.5	14.0
RU 1/4-5/32	1/4	5/32	34.9	SU 3/16	3/16	33.6	TU 3/16	3/16	3.2	18.8	YU 3/16	3/16	3.2	36.1	14.3
RU 1/4-3/16	1/4	3/16	35.2	SU 1/4	1/4	35.2	TU 1/4	1/4	3.2	19.3	YU 1/4	1/4	3.2	37.1	14.8
RU 5/16-1/4	5/16	1/4	38.6	SU 5/16	5/16	39.1	TU 5/16	5/16	3.2	22.75	YU 5/16	5/16	3.2	40.4	18.2
RU 3/8-1/4				SU 3/8	3/8	45.2	TU 3/8	3/8	4.2	27	YU 3/8	3/8	4.2	47.1	19.5
RU 3/8-5/16	3/8	5/16	47.3	SU 1/2	1/2	49.2	TU 1/2	1/2	4.3	29.6	YU 1/2	1/2	4.2	53.2	21.6
RU 1/2-3/8	1/2	3/8	48.9												
				SU 4		30.8	TU 4		3	18.2	YU 4		3	33.5	14.9
RU 6-4	4	6	33.9	SU 6		37.6	TU 6		3	21	YU 6		3	37	15.8
RU 8-6	6	8	38.7	SU 8		39.5	TU 8		3	23	YU 8		3	38.4	16
RU 10-8	8	10	42.5	SU 10		47.1	TU 10		3	27.4	YU 10		4	52.1	19.1
RU 12-10	10	12	47.4	SU 12		50.3	TU 12		3	27.4	YU 12		4	54.8	21.6

Units in mm

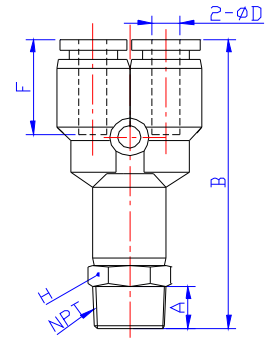
# Composite Push-In Air Fittings Dimensions



CV = Air Control Valve (meter-out)  
CI = Air Control Valve (meter-in)



Universal Elbow, UE

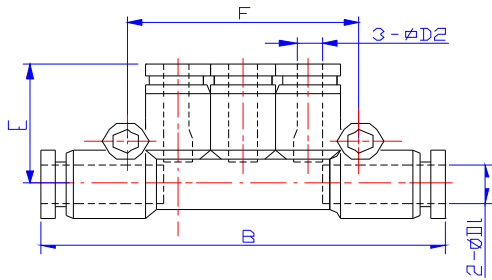


Y Connector, YC

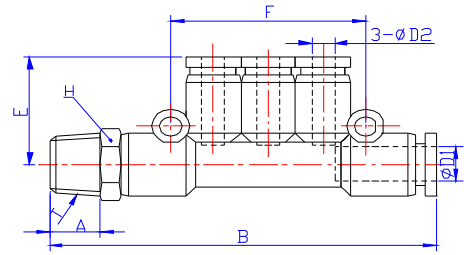
$\phi D$	T	A	H	Model (CV/CI)	B	E	Model	B	E	Part No.	A	B	F	H
5/32	10-32	3.8	8	CV 5/32 10-32	29.3	20	UE 5/32 10-32	17	20	YC 5/32 10-32	3.8	40	14	11.1
5/32	NPT1/8	7.5	11.1	CV 5/32 N1/8	40.1	22.6	UE 5/32 N1/8	23.5	22.3	YC 5/32 N1/8	7.5	42	14	11.1
5/32	NPT1/4									YC 5/32 N1/4	10.5	46	14	14.3
3/16	10-32	3.8	8				UE 3/16 10-32	17	20.3	YC 3/16 10-32	3.8	40.3	14.3	11.1
3/16	NPT1/8	7.5	11.1				UE 3/16 N1/8	23.5	22.6	YC 3/16 N1/8	7.5	42.8	14.3	11.1
3/16	NPT1/4	10.5	14.3				UE 3/16 N1/4	27.3	24.3	YC 3/16 N1/4	10.5	46.3	14.3	14.3
3/16	NPT3/8									YC 3/16 N3/8	11	47.3	14.3	17.4
1/4	10-32	3.8	8	CV 1/4 10-32	29.3	22				YC 1/4 10-32	3.8	42.5	14.8	12.7
1/4	NPT1/8	7.5	11.1	CV 1/4 N1/8	40.1	23.1	UE 1/4 N1/8	23.5	23.1	YC 1/4 N1/8	7.5	43.8	14.8	12.7
1/4	NPT1/4	10.5	14.3	CV 1/4 N1/4	47.2	25.1	UE 1/4 N1/4	27.3	25.1	YC 1/4 N1/4	10.5	47.3	14.8	14.3
1/4	NPT3/8	11	19	CV 1/4 N3/8	53.9	26.8				YC 1/4 N3/8	11	48.3	14.8	17.4
5/16	NPT1/8	7.5	11.1	CV 5/16 N1/8	40.1	25.6	UE 5/16 N1/8	23.5	25.6	YC 5/16 N1/8	7.5	47.1	18.2	14.3
5/16	NPT1/4	10.5	14.3	CV 5/16 N1/4	47.2	28.6	UE 5/16 N1/4	27.3	28.6	YC 5/16 N1/4	10.5	50.1	18.2	14.3
5/16	NPT3/8	11	19	CV 5/16 N3/8	53.9	29.6	UE 5/16 N3/8	32.4	29.6	YC 5/16 N3/8	11	51.1	18.2	17.4
3/8	NPT1/8									YC 3/8 N1/8	7.5	55.1	19.5	17.4
3/8	NPT1/4	10.5	14.3	CV 3/8 N1/4	47.2	31	UE 3/8 N1/4	27.3	31	YC 3/8 N1/4	10.5	58.1	19.5	17.4
3/8	NPT3/8	11	19	CV 3/8 N3/8	53.9	31.6	UE 3/8 N3/8	32.4	31.6	YC 3/8 N3/8	11	58.6	19.5	17.4
3/8	NPT1/2	14	25.4	CV 3/8 N1/2	58.4	34.6				YC 3/8 N1/2	14	62.1	19.5	22.2
1/2	NPT1/4									YC 1/2 N1/4	10.5	63.1	21.6	22.2
1/2	NPT3/8	11	19	CV 1/2 N3/8	53.9	35.6	UE 1/2 N3/8	32.4	35.6	YC 1/2 N3/8	11	63.6	21.6	22.2
1/2	NPT1/2	14	25.4	CV 1/2 N1/2	58.4	36.6	UE 1/2 N1/2	39.1	36.6	YC 1/2 N1/2	14	66.6	21.6	22.2

$\phi D$	T		H	Model (CV/CI)		E	Model			Model		B	F	H
4	M5		8	CV 4 M5		20.7	UE 4 M5			YC 4 M5		38.8	13.8	10
4	M6		8	CV 4 M6		20.6	UE 4 M6			YC 4 M6		38.5	13.9	10
4	R1/8		10	CV 4 R1/8		22.2	UE 4 R1/8			YC 4 R1/8		40.1	14.3	10
4	R1/4		14	CV 4 R1/4		27.3	UE 4 R1/4			YC 4 R1/4		42.5	13.9	14
6	M5		8	CV 6 M5		23.1	UE 6 M5			YC 6 M5		41.6	15.5	12
6	M6		8	CV 6 M6		23.8	UE 6 M6			YC 6 M6		42.8	15.3	12
6	R1/8		10	CV 6 R1/8		23.6	UE 6 R1/8			YC 6 R1/8		44.3	15.5	12
6	R1/4		14	CV 6 R1/4		25.5	UE 6 R1/4			YC 6 R1/4		44.8	15.3	14
6	R3/8		19	CV 6 R3/8		27.8	UE 6 R3/8			YC 6 R3/8		47.6	15.4	17
6	R1/2									YC 6 R1/2		50.6	15.1	21
8	R1/8		10	CV 8 R1/8		26.5	UE 8 R1/8			YC 8 R1/8		45.4	16.9	14
8	R1/4		14	CV 8 R1/4		27.8	UE 8 R1/4			YC 8 R1/4		46.4	16.9	14
8	R3/8		19	CV 8 R3/8		31.4	UE 8 R3/8			YC 8 R3/8		48.3	15.7	17
8	R1/2		24	CV 8 R1/2		30.3	UE 8 R1/2			YC 8 R1/2		50.5	17.1	21
10	R1/8									YC 10 R1/8		57.0	21.0	17
10	R1/4		14	CV 10 R1/4		34.0	UE 10 R1/4			YC 10 R1/4		59.3	21.2	17
10	R3/8		19	CV 10 R3/8		33.4	UE 10 R3/8			YC 10 R3/8		60.5	20.0	17
10	R1/2		24	CV 10 R1/2		35.2	UE 10 R1/2			YC 10 R1/2		62.9	21.4	21
12	R1/4		14	CV 12 R1/4		34.2	UE 12 R1/4			YC 12 R1/4		61.4	21.9	19
12	R3/8		19	CV 12 R3/8		34.2	UE 12 R3/8			YC 12 R3/8		63.4	21.8	19
12	R1/2		24	CV 12 R1/2		37.2	UE 12 R1/2			YC 12 R1/2		65.5	21.8	21

Units in mm

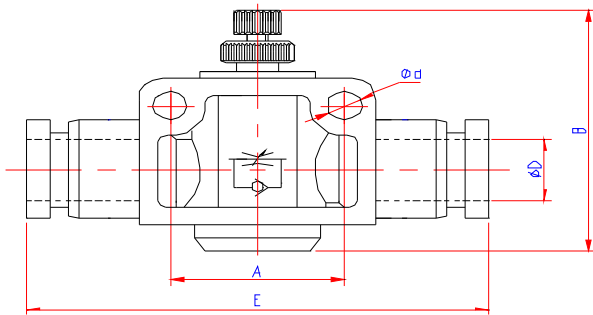


Manifold Union, MU



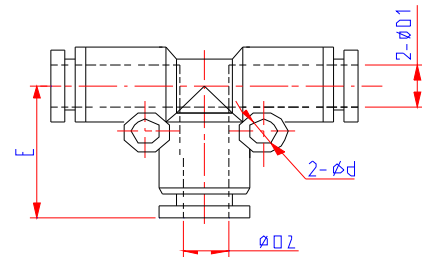
Male Manifold, MM

Part No.	ØD	B	E	F	Model	ØD1	ØD2	B	E	F	Part No.	ØD1	ØD2	T	A	B	E	F	H
MU 5/32	5/32	57	19	36	MU 3/16-5/32	3/16	5/32	57.6	19	36	MM 3/16-5/32-N1/8	3/16	5/32	NPT 1/8	7.5	64.3	19	36	11.1
MU 3/16	3/16	57.6	19.3	36	MU 1/4-5/32	1/4	5/32	57.6	19	36	MM 1/4-5/32-N1/8	1/4	5/32	NPT 1/8	7.5	64.3	19	36	12.7
MU 1/4	1/4	61.6	20.3	42	MU 5/16-5/32	5/16	5/32	62.6	20	42	MM 5/16-5/32-N1/4	5/16	5/32	NPT 1/4	10.5	72.3	20	42	14.3
MU 5/16	5/16	81.6	24.3	48	MU 5/16-3/16	5/16	3/16	62.6	20.3	42	MM 5/16-3/16-N1/4	5/16	3/16	NPT 1/4	10.5	72.3	20.3	42	14.3
					MU 5/16-1/4	5/16	1/4	62.6	20.3	42	MM 5/16-1/4-N1/4	5/16	1/4	NPT 1/4	10.5	72.3	20.3	42	14.3
					MU 3/8-1/4	3/8	1/4	80	23.8	48	MM 3/8-5/16-N3/8	3/8	5/16	NPT 3/8	11	91.5	24.3	48	17.4
					MU 3/8-5/16	3/8	5/16	80	24.3	48									
					MU-6-04	6.0	4.0	61.3		40.4	MM06-04-R1/8	6.0	4.0	R1/8		68.5		40.4	12
					MU-8-04	8.0	4.0	61.7		40.9	MM08-6-R1/4	8.0	6.0	R1/4		69.9		40.9	14
					MU-8-06	8.0	6.0	62.7		40.9	MM10-8-R3/8	10.0	8.0	R3/8		91.6		47.9	17
					MU-10-06	10.0	6.0	82.9		47.1									
					MU-10-08	10.0	8.0	83.0		47.9									



Air Flow Control Valve, FV

Part No.	ØD	Ød	A	B	E
FV 5/32	5/32	3.2	14	28.8	39.5
FV 3/16	3/16	3.2	14	28.8	40.1
FV 1/4	1/4	4.3	20	42.6	47.6
FV 5/16	5/16	4.3	22	44.3	52.6
FV 3/8	3/8	4.3	26	53.4	60.5
FV 1/2	1/2	4.3	32	55.6	74.2
FV-4	4	3.0			39.9
FV-6	6	4.0			49.6
FV-8	8	4.0			55.2
FV-10	10	4.0			64.9
FV-12	12	4.0			75.7

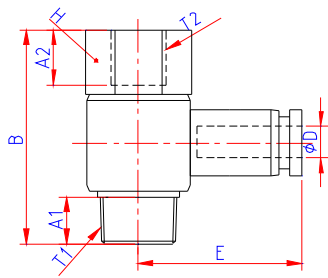


Tee Union Reducer, TU

TU				
Model	ΦD1	ΦD2	Φd	E
TU 1/4-5/32	1/4	5/32	3.2	19.0
TU 5/16-1/4	5/16	1/4	3.2	22.3
TU 3/8-5/16	3/8	5/16	3.2	27.8
TU 1/2-3/8	1/2	3/8	4.2	29.3

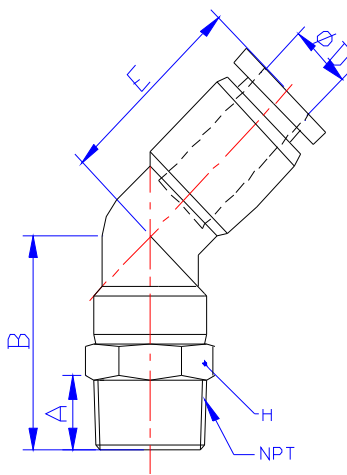
Units in mm

# Composite Push-In Air Fittings Dimensions



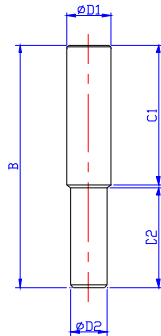
Stack Elbow, SE

SE								
ØD	T1	T2	Model	A1	A2	H	B	E
5/32	10-32UNF	10-32UNF	SE 5/32 10-32	3.8	5.5	11.1	19.5	20
	NPT1/8	NPT1/8	SE 5/32 N1/8	7.5	7.5	14.3	30	22.3
3/16	10-32UNF	10-32UNF	SE 3/16 10-32	3.8	5.5	11.1	19.5	20.3
	NPT1/8	NPT1/8	SE 3/16 N1/8	7.5	7.5	14.3	30	22.6
1/4	NPT1/4	NPT1/4	SE 3/16 N1/4	10.5	10.5	17.4	35.8	24.3
	NPT1/8	NPT1/8	SE 1/4 N1/8	7.5	7.5	14.3	30	23.1
5/16	NPT1/4	NPT1/4	SE 1/4 N1/4	10.5	10.5	17.4	35.8	25.1
	NPT1/8	NPT1/8	SE 5/16 N1/8	7.5	7.5	14.3	30	25.6
3/8	NPT3/8	NPT3/8	SE 5/16 N3/8	10.5	10.5	17.4	35.8	28.6
	NPT1/4	NPT1/4	SE 5/16 N1/4	11	11	22.2	40.9	29.6
1/2	NPT3/8	NPT3/8	SE 3/8 N1/4	10.5	10.5	17.4	35.8	31
	NPT3/8	NPT3/8	SE 3/8 N3/8	11	11	22.2	40.9	31.6
1/2	NPT3/8	NPT3/8	SE 1/2 N3/8	11	11	22.2	40.9	35.6
	NPT1/2	NPT1/2	SE 1/2 N1/2	14	14	25.4	49	36.6



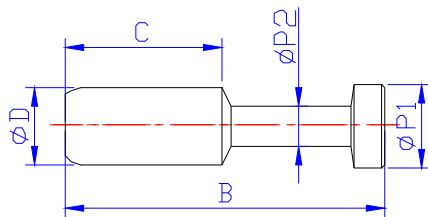
Male Angle, MA

MA						
ØD	NPT	Model	A	B	E	H
5/32	10-32UNF	MA 5/32 10-32	3.8	20.7	16.2	11.1
	NPT1/8	MA 5/32 N1/8	7.5	22.7		14.3
	NPT1/4	MA 5/32 N1/4	10.5	26.7		17.4
3/16	10-32UNF	MA 3/16 10-32	3.8	20.7	16.5	11.1
	NPT1/8	MA 3/16 N1/8	7.5	23.2		14.3
	NPT3/8	MA 3/16 N3/8	11	27.7		17.4
1/4	10-32UNF	MA 1/4 10-32	3.8	23.1	17.7	12.7
	NPT1/8	MA 1/4 N1/8	7.5	24.4		14.3
	NPT3/8	MA 1/4 N3/8	11	28.9		17.4
5/16	NPT1/8	MA 5/16 N1/8	7.5	27.6	20.9	14.3
	NPT1/4	MA 5/16 N1/4	10.5	30.6		17.4
	NPT3/8	MA 5/16 N3/8	11	31.6		17.4
3/8	NPT1/8	MA 3/8 N1/8	7.5	30.2	22.2	17.4
	NPT1/4	MA 3/8 N1/4	10.5	33.2		17.4
	NPT3/8	MA 3/8 N3/8	11	33.7		17.4
	NPT1/2	MA 3/8 N1/2	14	37.2		22.2
1/2	NPT1/4	MA 1/2 N1/4	10.5	36.2	26.3	22.2
	NPT3/8	MA 1/2 N3/8	11	36.7		22.2
	NPT1/2	MA 1/2 N1/2	14	39.7		22.2



Stem Reducer, SR

SR					
Model	ØD1	ØD2	C1	C2	B
SR 3/16-5/32	3/16	5/32	18	17	36
SR 1/4-5/32	1/4	5/32	18	17	36
SR 1/4-3/16	1/4	3/16	18	17	36
SR 5/16-1/4	3/16	1/4	20	18	39
SR 3/8-5/16	3/8	5/16	25	20	46
SR 1/2-3/8	1/2	3/8	27	26	54

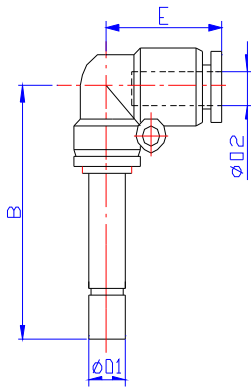


Plug, PG

PG					
Model	ØD	B	ØP1	ØP2	C
PG 5/32	5/32	28	5	3	15
PG 3/16	3/16	28	5	3	15
PG 1/4	1/4	33	7	3	17
PG 5/16	5/16	37	9	4	18
PG 3/8	3/8	42	11	5	20.5
PG 1/2	1/2	44	13	6	23

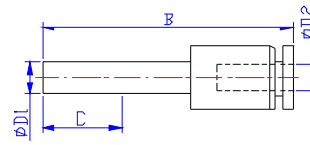
Units in mm

Units in mm

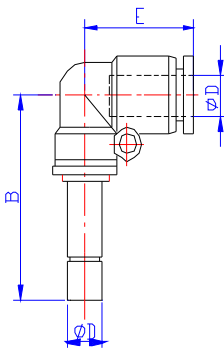


Elbow Reducer, ER

ER				
Model	ØD1	ØD2	B	E
ER 1/8-5/32	5/32	1/8	33	17.5
ER 5/32-1/4	1/4	5/32	35	17.5
ER 1/4-3/8	3/8	1/4	42.5	22.8
ER 1/4-5/16	5/16	1/4	39.2	19
ER 5/16-3/8	3/8	5/16	42.5	22.8
ER 3/8-1/2	1/2	3/8	52.8	26.3

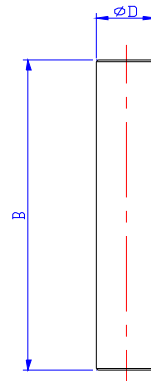


TR (Tube Reducer)				
Model	ØD1	ØD2	B	C
TR 5/32-1/4	1/4	5/32	39.5	16
TR 5/32-5/16	5/16	5/32	41.5	18.6
TR 1/4-5/16	5/16	1/4	41.8	18.6
TR 1/4-3/8	3/8	1/4	46.5	20
TR 5/16-3/8	3/8	5/16	46.5	20
TR 1/4-1/2	1/2	1/4	51.8	23.5
TR 5/16-1/2	1/2	5/16	52.3	23.5
TR 3/8-1/2	1/2	3/8	51.5	23.5



Plug-In Elbow, PE

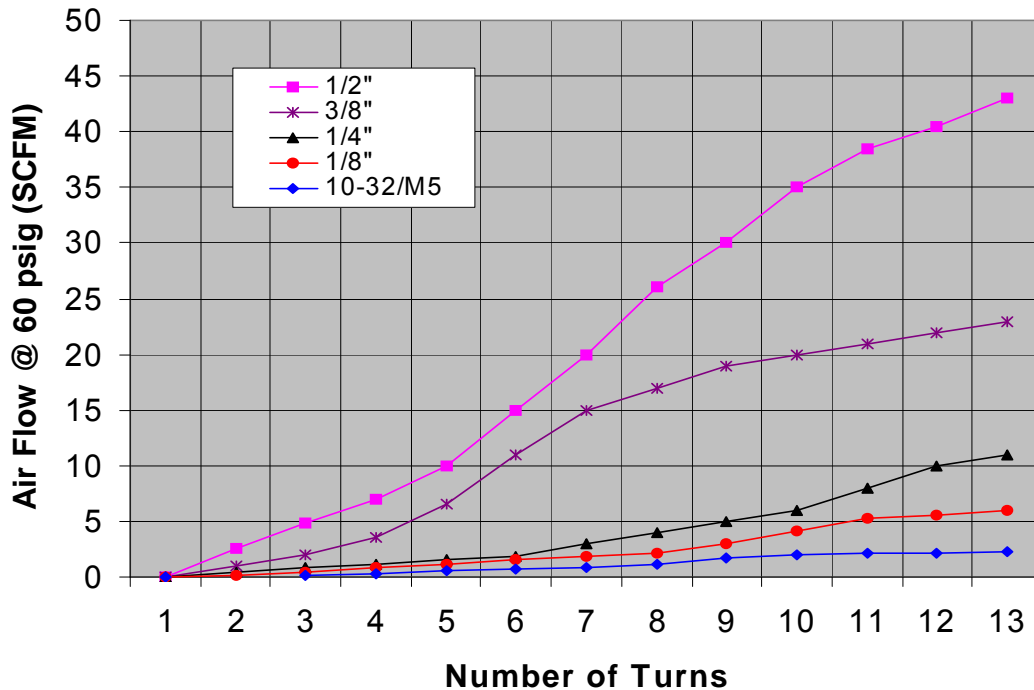
PE			
Model	ØD	B	E
PE 5/32	5/32	33	17.5
PE 3/16	3/16	33	17.8
PE 1/4	1/4	36.2	19
PE 5/16	5/16	42.5	22.8
PE 3/8	3/8	50.8	26.3
PE 1/2	1/2	54.5	29.6



Stem Coupling, SC

SC		
Model	ØD	B
SC 5/32	5/32	35
SC 3/16	3/16	35
SC 1/4	1/4	37
SC 5/16	5/16	41
SC 3/8	3/8	51
SC 1/2	1/2	54

## STC FLOW CONTROL VALVES AIR FLOW CHARACTERISTICS



**Special Features:**

- Complete rotation of the valve body around the bolt allows for optimum positioning of tubing
- Compact in size provide space saving installations
- Special adjustment needle design allows large adjustment ranges with high precision
- Adjustment needles and banjo bodies are retained, preventing accidental loss of needle or lock nut

# Stainless Steel & Nickel Plated Push-In Fittings and Compression Fittings



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## STC Stainless Steel & Nickel-Plated Brass Fittings Numbering System








Ordering Part No. = (eg. BCS 1/8 10-32)	BC	S	1/8	10-32	
Fitting Name	Model	Material/Type	Tube OD	Thread Size /Stem/Tube	Stainless Steel Fitting Options
BULKHEAD CONNECTOR	BC	<b>S</b> = 316 Stainless Steel <b>B</b> = Nickel Plated Brass	(inch) 1/8 5/32 3/16 1/4 5/16 3/8 1/2  (mm) 4 6 8 10 12	THREAD SIZE: N= NPT N1/8 N1/4 N3/8 N1/2  R=PT (British Standard Pipe Taper Thread) R1/8 R1/4 R3/8 R1/2  G=PP (British Standard Parallel Pipe Thread) G1/8 G1/4 G3/8 G1/2  U=Universal Threads (fits NPT, R & G) U1/8 U1/4 U3/8 U1/2  <b>Machine Thread</b> 10-32 M5 M6  <b>STEM SIZE:</b> 1/8-1/2" 4-12 mm	<b>Tube Gripping/Releasing Mechanism:</b>  <b>Blank</b> = Collet Style with Stainless Steel Release Button  <b>W</b> = Gripper Style with Stainless Steel Release Button
BRANCH TEE	BT				
BULKHEAD UNION	BU				
CROSS UNION	CU				
ELBOW UNION	EU				
FEMALE CONNECTOR	FC				
FEMALE ELBOW	FE				
MALE CONNECTOR	MC				
MALE ELBOW	ME				
PLUG	PG				
REDUCED UNION	RU				
RUN TEE	RT				
STEM COUPLING	SC				
STEM REDUCER	SR				
STRAIGHT UNION	SU				
TEE UNION	TU				
TUBE ADAPTOR	TA				
TUBE REDUCER	TR				

# 316 Stainless Steel Push-In Fittings



Stainless Steel Fittings	Bulkhead Union		Elbow Union		Reduced Union		Straight Union		Tube Reducer		Tee Union		Hex Bushing Union		Stem Coupler	
	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price
1/8"	BUS 1/8	\$13.90	EUS 1/8	\$16.67	RUS 5/32-1/8	\$13.90	SUS 1/8	\$10.48	TRS 1/8-5/32	\$10.48	TUS 1/8	\$20.45	HBS MN1/4-FN1/8	\$2.79	SCS 1/8	\$2.76
5/32"	BUS 5/32	\$13.90	EUS 5/32	\$16.66	RUS 1/4-5/32	\$16.37	SUS 5/32	\$10.48	TRS 5/32-1/4	\$10.48	TUS 5/32	\$20.45	HBS MN3/8-FN1/8	\$3.50	SCS 5/32	\$2.76
1/4"	BUS 1/4	\$16.37	EUS 1/4	\$19.14	RUS 5/16-1/4	\$20.96	SUS 1/4	\$10.48	TRS 1/4-3/8	\$10.48	TUS 1/4	\$23.51	HBS MN3/8-FFN1/4	\$4.19	SCS 1/4	\$2.76
5/16"	BUS 5/16	\$20.96	EUS 5/16	\$20.01	RUS 3/8-5/16	\$22.27	SUS 5/16	\$11.42	TRS 5/16-3/8	\$11.42	TUS 5/16	\$26.55	HBS MN1/2-FN1/4	\$4.19	SCS 5/16	\$3.09
3/8"	BUS 3/8	\$22.27	EUS 3/8	\$21.83	RUS 1/2-3/8	\$28.74	SUS 3/8	\$12.37	TRS 3/8-1/2	\$12.37	TUS 3/8	\$29.55	HBS MN1/2-FN3/8	\$4.19	SCS 3/8	\$3.31
1/2"	BUS 1/2	\$28.74	EUS 1/2	\$25.11			SUS 1/2	\$14.99			TUS 1/2	\$34.57			SCS 1/2	\$3.86
4 mm	BUS 4	\$13.90	EUS 4	\$16.66	RUS 6-4	\$19.65	SUS 4	\$9.39	TRS 4-6	\$9.39	TUS 4	\$20.45			SCS 4	\$2.76
6 mm	BUS 6	\$19.65	EUS 6	\$19.14	RUS 8-6	\$20.93	SUS 6	\$10.48	TRS 6-8	\$10.48	TUS 6	\$23.51			SCS 6	\$2.76
8 mm	BUS 8	\$20.96	EUS 8	\$20.01	RUS 10-8	\$22.27	SUS 8	\$11.42	TRS 8-10	\$11.42	TUS 8	\$26.55			SCS 8	\$2.76
10 mm	BUS 10	\$22.27	EUS 10	\$21.83	RUS 12-10	\$28.74	SUS 10	\$12.37	TRS 10-12	\$12.37	TUS 10	\$29.55			SCS 10	\$3.31
12 mm	BUS 12	\$28.74	EUS 12	\$25.11			SUS 12	\$14.99			TUS 12	\$34.57			SCS 12	\$3.86

Stainless Steel Fittings	Female Connector		Branch Tee (Swivel)		Female Connector		Male Connector		Male Elbow (Swivel)		Run Tee (Swivel)		Tube Adaptor	
	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price
1/8"	BCS 1/8 10-32	\$19.74	BTS 1/8 10-32	\$20.45	FCS 1/8 10-32	\$8.49	MCS 1/8 10-32	\$7.28	MES 1/8 10-32	\$14.49	RTS 1/8 10-32	\$20.45	TAS 1/8 10-32	\$5.07
1/8"	NPT1/8	\$19.74	BTS 1/8 N1/8	\$20.45	FCS 1/8 N1/8	\$8.49	MCS 1/8 N1/8	\$7.28	MES 1/8 N1/8	\$14.49	RTS 1/8 N1/8	\$20.45	TAS 1/8 N1/8	\$5.07
1/4"	NPT1/4	\$20.80	BTS 1/8 N1/4	\$21.48	FCS 1/8 N1/4	\$11.34	MCS 1/8 N1/4	\$7.28	MES 1/8 N1/4	\$16.57	RTS 1/8 N1/4	\$21.48		
5/32"	10-32	\$19.74	BTS 5/32 10-32	\$20.45	FCS 5/32 10-32	\$8.49	MCS 5/32 10-32	\$7.28	MES 5/32 10-32	\$14.48	RTS 5/32 10-32	\$20.45	TAS 5/32 10-32	\$5.07
5/32"	NPT1/8	\$19.74	BTS 5/32 N1/8	\$20.45	FCS 5/32 N1/8	\$8.49	MCS 5/32 N1/8	\$7.28	MES 5/32 N1/8	\$14.48	RTS 5/32 N1/8	\$20.45	TAS 5/32 N1/8	\$5.07
1/4"	NPT1/8	\$22.39	BTS 1/4 N1/8	\$20.45	FCS 1/4 N1/8	\$8.49	MCS 1/4 N1/8	\$7.28	MES 1/4 N1/8	\$15.42	RTS 1/4 N1/8	\$20.45	TAS 1/4 N1/8	\$5.07
1/4"	NPT1/4	\$22.39	BTS 1/4 N1/4	\$23.51	FCS 1/4 N1/4	\$8.49	MCS 1/4 N1/4	\$7.28	MES 1/4 N1/4	\$16.66	RTS 1/4 N1/4	\$23.51	TAS 1/4 N1/4	\$5.07
1/4"	NPT3/8	\$23.44	BTS 1/4 N3/8	\$26.82	FCS 1/4 N3/8	\$9.14	MCS 1/4 N3/8	\$7.93	MES 1/4 N3/8	\$17.33	RTS 1/4 N3/8	\$26.82	TAS 1/4 N3/8	\$5.07
5/16"	NPT1/8	\$23.44	BTS 5/16 N1/8	\$25.71	FCS 5/16 N1/8	\$11.99	MCS 5/16 N1/8	\$9.68	MES 5/16 N1/8	\$17.64	RTS 5/16 N1/8	\$25.71		
5/16"	NPT1/4	\$23.44	BTS 5/16 N1/4	\$25.71	FCS 5/16 N1/4	\$11.99	MCS 5/16 N1/4	\$9.68	MES 5/16 N1/4	\$18.20	RTS 5/16 N1/4	\$25.71	TAS 5/16 N1/4	\$7.48
5/16"	NPT3/8	\$23.44	BTS 5/16 N3/8	\$29.55	FCS 5/16 N3/8	\$11.99	MCS 5/16 N3/8	\$10.23	MES 5/16 N3/8	\$18.61	RTS 5/16 N3/8	\$29.55	TAS 3/8 N1/8	\$7.48
5/16"	NPT1/2	\$24.49	BTS 5/16 N1/2	\$30.60	FCS 5/16 N1/2	\$14.09	MCS 5/16 N1/2	\$11.06	MES 5/16 N1/2	\$22.45	RTS 5/16 N1/2	\$31.29		
3/8"	NPT1/4	\$26.10	BTS 3/8 N1/4	\$29.55	FCS 3/8 N1/4	\$14.55	MCS 3/8 N1/4	\$10.73	MES 3/8 N1/4	\$19.28	RTS 3/8 N1/4	\$24.81	TAS 3/8 N1/4	\$7.48
3/8"	NPT3/8	\$26.10	BTS 3/8 N3/8	\$25.53	FCS 3/8 N3/8	\$15.77	MCS 3/8 N3/8	\$9.83	MES 3/8 N3/8	\$20.01	RTS 3/8 N3/8	\$25.53	TAS 3/8 N3/8	\$7.65
3/8"	NPT1/2	\$26.10	BTS 3/8 N1/2	\$32.85	FCS 3/8 N1/2	\$16.32	MCS 3/8 N1/2	\$11.06	MES 3/8 N1/2	\$22.92	RTS 3/8 N1/2	\$32.85	TAS 3/8 N1/2	\$8.82
1/2"	NPT1/4	\$28.14	BTS 1/2 N1/4	\$31.26	FCS 1/2 N1/4	\$15.79	MCS 1/2 N1/4	\$11.87	MES 1/2 N1/4	\$24.60	RTS 1/2 N1/4	\$31.26	TAS 1/2 N1/4	\$9.66
1/2"	NPT3/8	\$29.19	BTS 1/2 N3/8	\$32.36	FCS 1/2 N3/8	\$16.32	MCS 1/2 N3/8	\$11.87	MES 1/2 N3/8	\$24.60	RTS 1/2 N3/8	\$32.36	TAS 1/2 N3/8	\$9.66
1/2"	NPT1/2	\$31.29	BTS 1/2 N1/2	\$33.53	FCS 1/2 N1/2	\$16.85	MCS 1/2 N1/2	\$15.65	MES 1/2 N1/2	\$28.01	RTS 1/2 N1/2	\$34.57	TAS 1/2 N1/2	\$13.44
4 mm	M5	\$19.74	BTS 4 M5	\$20.45	FCS 4 M5	\$8.49	MCS 4 M5	\$7.28	MES 4 M5	\$14.48	RTS 4 M5	\$20.45		
4 mm	R1/8	\$19.74	BTS 4 R1/8	\$20.45	FCS 4 N1/8	\$8.49	MCS 4 R1/8	\$7.28	MES 4 R1/8	\$14.48	RTS 4 R1/8	\$20.45		
4 mm	R1/4	\$19.74	BTS 4 R1/4	\$20.45	FCS 4 R1/4	\$8.49	MCS 4 R1/4	\$8.38	MES 4 R1/4	\$14.48	RTS 4 R1/4	\$20.45		
6mm	M5	\$22.39	BTS 6 M5	\$20.45	FCS 6 M5	\$8.49	MCS 6 M5	\$8.38	MES 6 M5	\$16.66	RTS 6 M5	\$20.45		
6mm	R1/8	\$22.39	BTS 6 R1/8	\$20.45	FCS 6 R1/8	\$8.49	MCS 6 R1/8	\$8.38	MES 6 R1/8	\$16.66	RTS 6 R1/8	\$20.45		
6mm	R1/4	\$22.39	BTS 6 R1/4	\$23.51	FCS 6 R1/4	\$8.49	MCS 6 R1/4	\$8.38	MES 6 R1/4	\$16.66	RTS 6 R1/4	\$23.51		
8 mm	R1/4	\$23.44	BTS 8 R1/4	\$25.71	FCS 8 N1/4	\$10.89	MCS 8 R1/4	\$9.68	MES 8 R1/4	\$18.50	RTS 8 R1/4	\$25.71		
8 mm	R3/8	\$23.44	BTS 8 R3/8	\$27.92	FCS 8 N3/8	\$10.89	MCS 8 R3/8	\$10.23	MES 8 R3/8	\$18.61	RTS 8 R3/8	\$27.92		
10mm	R1/4	\$26.10	BTS 10 R1/4	\$29.55	FCS 10 R1/4	\$11.99	MCS 10 R1/4	\$9.68	MES 10 R1/4	\$19.28	RTS 10 R1/4	\$29.55		
10mm	R3/8	\$26.10	BTS 10 R3/8	\$29.55	FCS 10 R3/8	\$13.09	MCS 10 R3/8	\$9.83	MES 10 R3/8	\$20.01	RTS 10 R3/8	\$29.55		
12mm	R3/8	\$29.19	BTS 12 R3/8	\$32.36	FCS 12 R3/8	\$13.98	MCS 12 R3/8	\$11.87	MES 12 R3/8	\$24.60	RTS 12 R3/8	\$32.36		
12mm	R1/2	\$29.19	BTS 12 R1/2	\$34.57	FCS 12 R1/2	\$14.65	MCS 12 R1/2	\$15.65	MES 12 R1/2	\$28.01	RTS 12 R1/2	\$34.57		

Stainless Steel Fittings															
	Name	Female Connector		Branch Tee (Swivel)		Female Connector		Male Connector		Male Elbow (Swivel)		Run Tee (Swivel)		Tube Adaptor	
Tube OD	U Thread	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price
5/32	U1/8"	BCS 5/32 U1/8		BTS 5/32 U1/8		FCS 5/32 U1/8		MCS 5/32 U1/8	\$10.43	MES 5/32 U1/8	\$17.63	RTS 5/32 U1/8		TAS 5/32 U1/8	
1/4"	U1/8"	BCS 1/4 U1/8		BTS 1/4 U1/8		FCS 1/4 U1/8		MCS 1/4 U1/8	\$10.43	MES 1/4 U1/8	\$18.57	RTS 1/4 U1/8		TAS 1/4 U1/8	
1/4"	U1/4"	BCS 1/4 U1/4		BTS 1/4 U1/4		FCS 1/4 U1/4		MCS 1/4 U1/4	\$10.43	MES 1/4 U1/4	\$19.81	RTS 1/4 U1/4		TAS 1/4 U1/4	
5/16	U1/4"	BCS 5/16 U1/4		BTS 5/16 U1/4		FCS 5/16 U1/4		MCS 5/16 U1/4	\$12.83	MES 5/16 U1/4	\$21.35	RTS 5/16 U1/4		TAS 5/16 U1/4	
3/8"	U1/4"	BCS 3/8 U1/4		BTS 3/8 U1/4		FCS 3/8 U1/4		MCS 3/8 U1/4	\$12.83	MES 3/8 U1/4	\$22.43	RTS 3/8 U1/4		TAS 3/8 U1/4	
3/8"	U3/8"	BCS 3/8 U3/8		BTS 3/8 U3/8		FCS 3/8 U3/8		MCS 3/8 U3/8	\$12.98	MES 3/8 U3/8	\$24.21	RTS 3/8 U3/8		TAS 3/8 U3/8	
6	U1/8"	BCS 6 U1/8		BTS 6 U1/8		FCS 6 U1/8		MCS 6 U1/8	\$11.53	MES 6 U1/8	\$19.81	RTS 6 U1/8			
6	U1/4"	BCS 6 U1/4		BTS 6 U1/4		FCS 6 U1/4		MCS 6 U1/4	\$11.53	MES 6 U1/4	\$19.81	RTS 6 U1/4			
8	U1/4"	BCS 8 U1/4		BTS 8 U1/4		FCS 8 U1/4		MCS 8 U1/4	\$12.83	MES 8 U1/4	\$21.65	RTS 8 U1/4			

## Nikel-Plated Brass Push-In Fittings List Price

Brass Fittings								
Model	Bulkhead Union		Elbow Union		Straight Union		Tee Union	
Tube OD	BUB		EUB		SUB		TUB	
1/8"	BUB 1/8	\$2.99	EUB 1/8	\$3.06	SUB 1/8	\$1.82	TUB 1/8	\$3.78
5/32"	BUB 5/32	\$2.55	EUB 5/32	\$3.06	SUB 5/32	\$1.82	TUB 5/32	\$3.78
1/4"	BUB 1/4	\$2.99	EUB 1/4	\$3.50	SUB 1/4	\$2.04	TUB 1/4	\$4.28
5/16"	BUB 5/16	\$3.06	EUB 5/16	\$3.50	SUB 5/16	\$2.04	TUB 5/16	\$5.02
3/8"	BUB 3/8	\$4.73	EUB 3/8	\$4.59	SUB 3/8	\$2.84	TUB 3/8	\$5.74
1/2"	BUB 1/2	\$5.24	EUB 1/2	\$4.95	SUB 1/2	\$3.50	TUB 1/2	\$6.69
4 mm	BUB 4	\$2.55	EUB 4	\$3.06	SUB 4	\$1.82	TUB 4	\$3.78
6 mm	BUB 6	\$2.99	EUB 6	\$3.50	SUB 6	\$2.04	TUB 6	\$4.28
8 mm	BUB 8	\$3.07	EUB 8	\$3.50	SUB 8	\$2.04	TUB 8	\$5.02

Brass Fittings										
Model	Branch Tee		Female Connector		Male Connector		Male Elbow (Swivel)		Y Connector (Swivel)	
Tube OD X Thread	BTB		FCB		MCB		MEB		YCB	
1/8" X 10-32	BTB 1/8 10-32	\$3.64	FCB 1/8 10-32	\$1.53	MCB 1/8 10-32	\$1.74	MEB 1/8 10-32	\$2.99	YCB 1/8 10-32	\$4.08
1/8" X 1/8" NPT	BTB 1/8 N1/8	\$3.64	FCB 1/8 N1/8	\$1.53	MCB 1/8 N1/8	\$1.48	MEB 1/8 N1/8	\$3.06	YCB 1/8 N1/8	\$4.08
5/32" X 10-32	BTB 5/32 10-32	\$3.64	FCB 5/32 10-32	\$1.53	MCB 5/32 10-32	\$1.53	MEB 5/32 10-32	\$2.99	YCB 5/32 10-32	\$4.08
5/32" X 1/8" NPT	BTB 5/32 N1/8	\$3.64	FCB 5/32 N1/8	\$1.53	MCB 5/32 N1/8	\$1.53	MEB 5/32 N1/8	\$3.06	YCB 5/32 N1/8	\$4.08
1/4" X 1/8" NPT	BTB 1/4 N1/8	\$4.22	FCB 1/4 N1/8	\$1.53	MCB 1/4 N1/8	\$1.53	MEB 1/4 N1/8	\$3.35	YCB 1/4 N1/8	\$4.73
1/4" X 1/4" NPT	BTB 1/4 N1/4	\$4.22	FCB 1/4 N1/4	\$1.74	MCB 1/4 N1/4	\$1.74	MEB 1/4 N1/4	\$3.64	YCB 1/4 N1/4	\$4.73
1/4" X 3/8" NPT	BTB 1/4 N3/8	\$4.22	FCB 1/4 N3/8	\$2.04	MCB 1/4 N3/8	\$2.04	MEB 1/4 N3/8	\$4.00	YCB 1/4 N3/8	\$4.95
5/16" X 1/4" NPT	BTB 5/16 N1/4	\$4.22	FCB 5/16 N1/4	\$2.04	MCB 5/16 N1/4	\$1.96	MEB 5/16 N1/4	\$4.53	YCB 5/16 N1/4	\$5.39
5/16" X 3/8" NPT	BTB 5/16 N3/8	\$5.46	FCB 5/16 N3/8	\$2.11	MCB 5/16 N3/8	\$2.11	MEB 5/16 N3/8	\$4.59	YCB 5/16 N3/8	\$0.00
3/8" X 1/4" NPT	BTB 3/8 N1/4	\$5.46	FCB 3/8 N1/4	\$2.11	MCB 3/8 N1/4	\$2.26	MEB 3/8 N1/4	\$4.95	YCB 3/8 N1/4	\$6.18
3/8" X 3/8" NPT	BTB 3/8 N3/8	\$5.46	FCB 3/8 N3/8	\$2.11	MCB 3/8 N3/8	\$2.40	MEB 3/8 N3/8	\$5.09	YCB 3/8 N3/8	\$6.26
3/8" X 1/2" NPT	BTB 3/8 N1/2	\$5.46	FCB 3/8 N1/2	\$3.18	MCB 3/8 N1/2	\$3.20	MEB 3/8 N1/2	\$5.68	YCB 3/8 N1/2	\$6.55
1/2" X 3/8" NPT	BTB 1/2 N3/8	\$5.51	FCB 1/2 N3/8	\$2.54	MCB 1/2 N3/8	\$2.55	MEB 1/2 N3/8	\$5.53	YCB 1/2 N3/8	\$0.00
1/2" X 1/2" NPT	BTB 1/2 N1/2	\$5.96	FCB 1/2 N1/2	\$2.79	MCB 1/2 N1/2	\$3.50	MEB 1/2 N1/2	\$5.96	YCB 1/2 N1/2	\$6.55
4 mm X M5	BTB 4 M5	\$3.64	FCB 4 M5	\$1.31	MCB 4 M5	\$1.31	MEB 4 M5	\$1.31	YCB 4 M5	\$4.08
4 X 1/8" NPT	BTB 4 N1/8	\$3.64	FCB 4 N1/8	\$1.31	MCB 4 N1/8	\$1.31	MEB 4 N1/8	\$3.06	YCB 4 N1/8	\$4.08
8 mm X 1/4" NPT	BTB 8 N1/4	\$4.22	FCB 8 N1/4	\$2.04	MCB 8 N1/4	\$2.26	MEB 8 N1/4	\$4.53	YCB 8 N1/4	
8 mm X 3/8" NPT	BTB 8 N3/8	\$4.22	FCB 8 N3/8	\$2.11	MCB 8 N3/8	\$2.11	MEB 8 N3/8	\$4.59	YCB 8 N3/8	

# Stainless Steel & Nickel-Plated Brass Push-In Fittings Specifications



## A. Installation of Pipe Fittings:

1. Tighten fitting by hand, then turn it 2-3 turns with a wrench until it reaches the desire torque listed. If the fitting is not pre-coated with sealant, or is used and the sealant is not in good condition, apply Teflon sealant tape to the threads.

Recommendation of Torque for Tightening Fittings		
Fitting Thread Size	Torque, lb-ft	Torque, kgf/cm
10-32, M5 -M6	1.0 -1.5	14 -21
NPT1/8, R1/8	5 -6.5	70 -90
NPT1/4, R1/4	8.5 -10	120 -140
NPT3/8, R3/8	16 -17.5	220 -240
NPT1/2, R1/2	20 -21.5	280 -300

## B. Installation of Tubing into Fitting:

1. Slowly push a clean and perpendicularly cut tubing into the fitting until it comes to a dead stop.
2. Pull the tubing back gently until the Grip Ring or Collet of the fitting grips onto the tubing and has a good seal.
3. Use Polyethylene, Polypropylene, Polyurethane or Nylon Tubing designed for instant fittings.
4. Hard metal tubing can be used for all metal Stainless Steel and all Brass fittings if the tubing is pre-grooved.

## C. Removal of Tubing from Fitting:

1. Push in evenly on the two long oval sides of the Release Button.
2. Pull out the tube while depressing the Release Button.
3. To reuse the tubing, cut off the lodged portion of the previously used tubing in an even and perpendicular fashion.

## D. Recommended Tubing Material, Size and Hardness Requirements:

Tubing Material	Specified Size	Hardness (Durometer)
Polyurethane	+/- 0.006" (+/-0.15 mm)	Shore A 85 or higher
Polyethylene	+/- 0.004" (+/-0.1 mm)	Shore D 44—D75
Polypropylene	+/- 0.004" (+/-0.1 mm)	Shore D 44—D75
Nylon	+/- 0.004" (+/-0.1 mm)	Shore D 44—D75
Pre-grooved Metal Tubing	+/- 0.004" (+/-0.1 mm)	

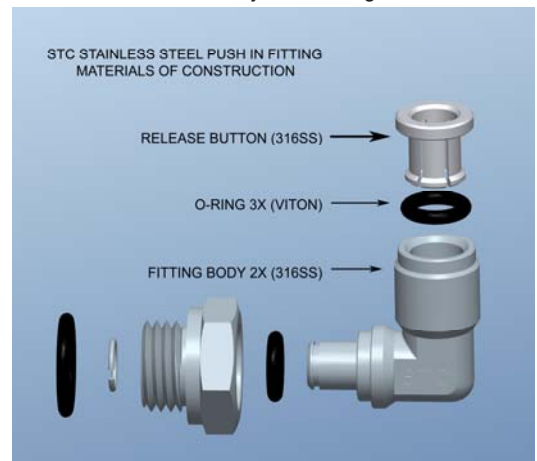
## E. Specifications, Materials of Construction and Schematic of Typical Construction:

	Stainless Steel Fittings	Nickel-Plated Brass Fittings
Operating Pressure	0 - 250 PSI (0 - 1650 kpa)	0 - 250 PSI (0 - 1650 kpa)
Vacuum	0 - 30" Hg (0 - 760 mm Hg)	0 - 30" Hg (0 - 760 mm Hg)
Operating Temperature	5 - 230 °F (-15 to 110 °C)	5 - 230 °F (-15 to 110 °C)
Recommended Tubing Material	Polyurethane, Nylon, Polyethylene, Polypropylene, and Hard metal tubing (tubing must be pre-grooved)	
Metal Body	T316 Stainless Steel	Nickel-Plated Brass
Plastic Body	None	None
Release Button	300 series Stainless Steel	Nickel-Plated Brass
Grip Ring or Collet	300 series Stainless Steel	300 series Stainless Steel
O-ring	VITON	NBR
Thread Sealant	None	Teflon
Service	Air, Liquid	Air, Liquid
Sterilization Temperature	Up to 280°F (138°C)	

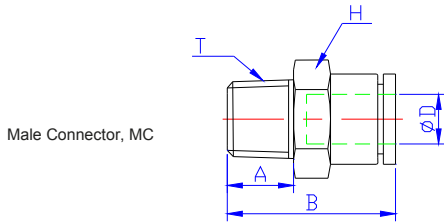
Gripper Style SS Fitting



Collet Style SS Fitting

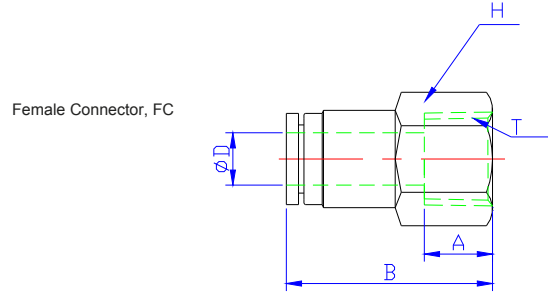


# Stainless Steel & Nickel-Plated Brass Push-In Fittings Dimensions



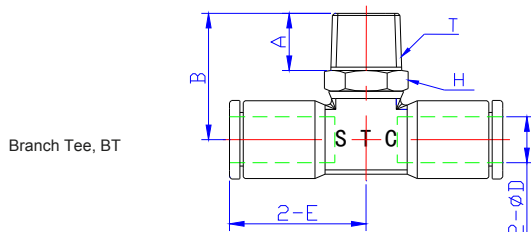
Male Connector, MC

Part No.	Part No.	ΦD	Pipe Size	A	B	H
MCB 1/8 10-32	MCS 1/8 10-32	1/8	10-32	5	20	S11
MCB 1/8 N1/8	MCS 1/8 N1/8	1/8	1/8 NPT	8	17	S11
MCB 1/8 N1/4	MCS 1/8 N1/4	1/8	1/4 NPT	11	21	S14
MCB 5/32 10-32	MCS 5/32 10-32	5/32	10-32	5	20	S10
MCB 5/32 N1/8	MCS 5/32 N1/8	5/32	1/8 NPT	8	17	S11
MCB 1/4 N1/8	MCS 1/4 N1/8	1/4	1/8 NPT	8	21	S12
MCB 1/4 N1/4	MCS 1/4 N1/4	1/4	1/4 NPT	11	21	S14
MCB 1/4 N3/8	MCS 1/4 N3/8	1/4	3/8 NPT	12.5	22.5	S17
MCB 1/4 10-32	MCS 1/4 10-32	1/4	10-32	5	23	S12
MCB 5/16 N1/4	MCS 5/16 N1/4	5/16	1/4 NPT	11	25.5	S14
MCB 5/16 N3/8	MCS 5/16 N3/8	5/16	3/8 NPT	12.5	24	S17
MCB 3/8 N1/8	MCS 3/8 N1/8	3/8	1/8 NPT	9	29	S17
MCB 3/8 N1/4	MCS 3/8 N1/4	3/8	1/4 NPT	11	27	S17
MCB 3/8 N3/8	MCS 3/8 N3/8	3/8	3/8 NPT	12.5	26	S17
MCB 3/8 N1/2	MCS 3/8 N1/2	3/8	1/2 NPT	15	28	S22
MCB 1/2 N1/4	MCS 1/2 N1/4	1/2	1/4 NPT	11	33	S19
MCB 1/2 N3/8	MCS 1/2 N3/8	1/2	3/8 NPT	12.5	29.8	S19
MCB 1/2 N1/2	MCS 1/2 N1/2	1/2	1/2 NPT	15	30.4	S22
MCB 4 M5	MCS 4 M5	4mm	M5	5	20	S10
MCB 4 N1/8	MCS 4 N1/8	4mm	1/8 NPT	8	17	S10
MCS 8 N1/4	MCS 8 N1/4	8mm	1/4 NPT	11	25.5	S14
MCS 8 N3/8	MCS 8 N3/8	8mm	3/8 NPT	12.5	24	S17

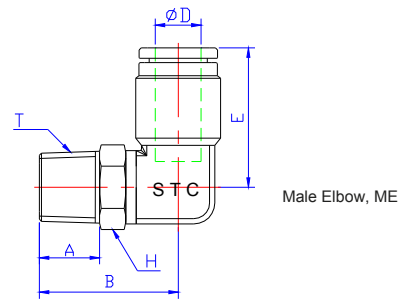


Female Connector, FC

Part No.	Part No.	ΦD	T, Thread	A	B	H
FCB 1/8 10-32	FCS 1/8 10-32	1/8	10-32	5.4	21	S12
FCB 1/8 N1/8	FCS 1/8 N1/8	1/8	1/8 NPT	9	22	S14
FCB 5/32 10-32	FCS 5/32 10-32	5/32	10-32	5.4	21	S12
FCB 5/32 N1/8	FCS 5/32 N1/8	5/32	1/8 NPT	9	22	S14
FCB 1/4 N1/8	FCS 1/4 N1/8	1/4	1/8 NPT	9	25.7	S14
FCB 1/4 N1/4	FCS 1/4 N1/4	1/4	1/4 NPT	12	28.7	S17
FCB 1/4 N3/8	FCS 1/4 N3/8	1/4	3/8 NPT	12.5	29.2	S19
FCB 5/16 N1/4	FCS 5/16 N1/4	5/16	1/4 NPT	12	31.5	S17
FCB 3/8 N1/4	FCS 3/8 N1/4	3/8	1/4 NPT	12	31	S17
FCB 3/8 N3/8	FCS 3/8 N3/8	3/8	3/8 NPT	12.5	33	S19
FCB 3/8 N1/2	FCS 3/8 N1/2	3/8	1/2 NPT	14.7	35.5	S24
FCB 1/2 N1/4	FCS 1/2 N1/4	1/2	1/4 NPT	12	33.2	S19
FCB 1/2 N3/8	FCS 1/2 N3/8	1/2	3/8 NPT	12.5	33.7	S19
FCB 1/2 N1/2	FCS 1/2 N1/2	1/2	1/2 NPT	15.8	37	S24
FCB 4 M5	FCS 4 M5	4	M5	5.4	21	S12
FCB 4 N1/8	FCS 4 N1/8	4	1/8 NPT	9	22	S14
FCB 8 N1/4	FCS 8 N1/4	8	1/4 NPT	12	31.5	S17
FCB 8 N3/8	FCS 8 N3/8	8	3/8 NPT	12.5	32.5	S19



Branch Tee, BT

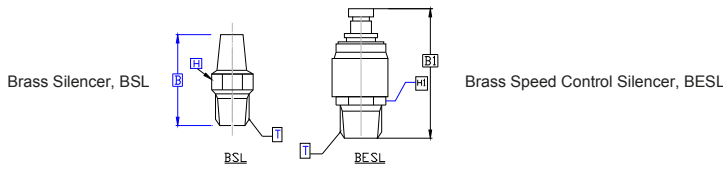


Male Elbow, ME

ΦD	T, Thread	H	Part No.	Part No.	A	B	E	Part No.	Part No.	A	B	E
1/8	10-32	S11	BTB 1/8 10-32	BTS 1/8 10-32	5.4	19.4	16.2	MEB 1/8 10-32	MES 1/8 10-32	5.4	19.4	16.2
1/8	1/8 NPT	S11	BTB 1/8 N1/8	BTS 1/8 N1/8	8.2	22.4	16.2	MEB 1/8 N1/8	MES 1/8 N1/8	8.1	18.8	16.2
5/32"	10-32	S11	BTB 5/32 10-32	BTS 5/32 10-32	5.4	19.4	16.2	MEB 5/32 10-32	MES 5/32 10-32	5.4	19.5	16.2
5/32"	1/8 NPT	S11	BTB 5/32 N1/8	BTS 5/32 N1/8	8.2	19.4	16.2	MEB 5/32 N1/8	MES 5/32 N1/8	8.1	19.1	16.2
1/4"	1/8 NPT	S11	BTB 1/4 N1/8	BTS 1/4 N1/8	8.2	21	20	MEB 1/4 N1/8	MES 1/4 N1/8	8.1	21	17.5
1/4"	1/4 NPT	S14	BTB 1/4 N1/4	BTS 1/4 N1/4	11.5	24.7	20	MEB 1/4 N1/4	MES 1/4 N1/4	11.5	25.3	17.5
1/4"	3/8 NPT	S17	BTB 1/4 N3/8	BTS 1/4 N3/8	12	25.2	20	MEB 1/4 N3/8	MES 1/4 N3/8	12	25.8	17.5
5/16"	1/4 NPT	S14	BTB 5/16 N1/4	BTS 5/16 N1/4	11.5	25.9	21.5	MEB 5/16 N1/4	MES 5/16 N1/4	11.5	26.6	22.5
5/16"	3/8 NPT	S17	BTB 5/16 N3/8	BTS 5/16 N3/8	12	26.4	21.5					
3/8"	1/4 NPT	S14	BTB 3/8 N1/4	BTS 3/8 N1/4	11.5	27.5	25.5	MEB 3/8 N1/4	MES 3/8 N1/4	11.5	26.5	25.8
3/8"	3/8 NPT	S17	BTB 3/8 N3/8	BTS 3/8 N3/8	12	28	25.5	MEB 3/8 N3/8	MES 3/8 N3/8	12	27	25.8
3/8"	1/2 NPT	S22	BTB 3/8 N1/2	BTS 3/8 N1/2	15	31	25.5	MEB 3/8 N1/2	MES 3/8 N1/2	15	30	25.8
1/2"	1/4 NPT	S14	BTB 1/2 N1/4	BTS 1/2 N1/4	15	28.8	27.5	MEB 1/2 N1/4	MES 1/2 N1/4	11.5	27.8	27.4
1/2"	3/8 NPT	S17	BTB 1/2 N3/8	BTS 1/2 N3/8	12	29.3	27.5	MEB 1/2 N3/8	MES 1/2 N3/8	12	28.3	27.4
1/2"	1/2 NPT	S22	BTB 1/2 N1/2	BTS 1/2 N1/2	15	32.3	27.5	MEB 1/2 N1/2	MES 1/2 N1/2	15	31.3	27.4
4	M5	S11	BTB 4 M5	BTS 4 M5	5.4	19.4	16.2	MEB 4 M5	MES 4 M5	5.4	19.35	16.2
4	1/8 NPT	S11	BTB 4 N1/8	BTS 4 N1/8	8.2			MEB 4 N1/8	MES 4 N1/8	8.2	11.8	16.2
8	1/4 NPT	S14	BTB 8 N1/4	BTS 8 N1/4	11.5	25.9	21.5	MEB 8 N1/4	MES 8 N1/4	11.5	26.6	22.5
8	3/8 NPT	S17	BTB 8 N3/8	BTS 8 N3/8	12	26.4	21.5	MEB 8 N3/8	MES 8 N3/8	12	27.1	22.5

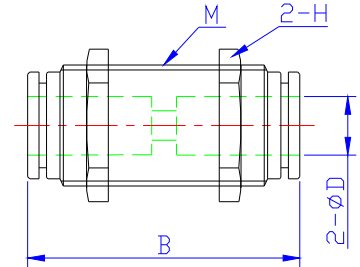
Units in mm

# Stainless Steel & Nickel-Plated Brass Push-In Fittings Dimensions

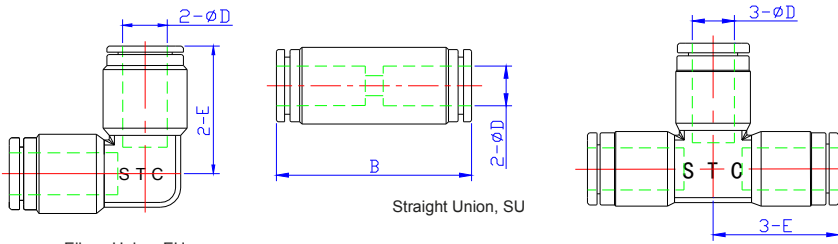


Part No.	Part No.	Port NPT	A	B	H	B1	H1
BSL-N1/8	BESL-N1/8	1/8	0.39	0.99	0.47	1.37	0.47
BSL-N1/4	BESL-N1/4	1/4	0.47	1.28	0.59	1.56	0.55
BSL-N3/8	BESL-N3/8	3/8	0.53	1.60	0.75	1.77	0.66
BSL-N1/2	BESL-N1/2	1/2	0.59	1.85	0.86	2.31	0.94

Bulkhead Union, BU



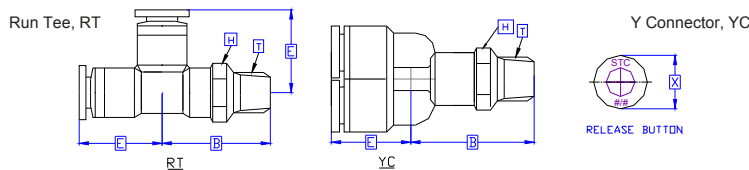
Part No.	Part No.	ΦD	B	M	H
BUB 1/8	BUS 1/8	1/8	30.7	M10X1	S12
BUB 5/32	BUS 5/32	5/32	30.7	M10X1	S12
BUB 1/4	BUS 1/4	1/4	35.5	M12X1	S17
BUB 5/16	BUS 5/16	5/16	37	M17X1	S19
BUB 3/8	BUS 3/8	3/8	39	M17X1	S19
BUB 1/2	BUS 1/2	1/2	44	M21X1	S23
BUB 4	BUS 4	4	30.7	M10X1	S12
BUB 6	BUS 6	6	35.5	M12X1	S17
BUB 8	BUS 8	8	37	M17X1	S19
BUB 10	BUS 10	10			
BUB 12	BUS 12	12			



Elbow Union, EU

Tee Union, TU

ΦD	Part No.	Part No.	E	Part No.	Part No.	B	Part No.	Part No.	E
1/8	EUB 1/8	EUS 1/8	16.2	SUB 1/8	SUS 1/8	35.5	TUB 1/8	TUS 1/8	16.25
5/32	EUB 5/32	EUS 5/32	16.2	SUB 5/32	SUS 5/32	35.5	TUB 5/32	TUS 5/32	16.25
1/4	EUB 1/4	EUS 1/4	17.5	SUB 1/4	SUS 1/4	35.5	TUB 1/4	TUS 1/4	20
5/16	EUB 5/16	EUS 5/16	22.5	SUB 5/16	SUS 5/16	37	TUB 5/16	TUS 5/16	22.6
3/8	EUB 3/8	EUS 3/8	25.8	SUB 3/8	SUS 3/8	44	TUB 3/8	TUS 3/8	25.5
1/2	EUB 1/2	EUS 1/2	27.4	SUB 1/2	SUS 1/2	42.4	TUB 1/2	TUS 1/2	27.5
4mm	EUB 4	EUS 4	16.2	SUB 4	SUS 4		TUB 4	TUS 4	16.25
6mm	EUB 6	EUS 6		SUB 6	SUS 6	35.5	TUB 6	TUS 6	
8mm	EUB 8	EUS 8	22.5	SUB 8	SUS 8	37	TUB 8	TUS 8	22.6
10mm	EUB 10	EUS 10		SUB 10	SUS 10		TUB 10	TUS 10	
12mm	EUB 12	EUS 12		SUB 12	SUS 12		TUB 12	TUS 12	



Run Tee, RT

Y Connector, YC

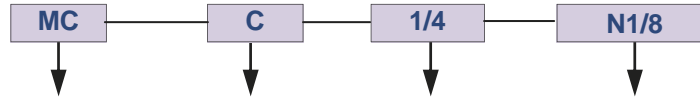
RELEASE BUTTON

Part No.	Part No.	Part No.	Part No.	Tube OD	T, Thread	A	B	H	E	X
RTB 5/32 10-32	RTS 5/32 10-32	YCB 5/32 10-32	YCS 5/32 10-32	5/32	10-32	0.24	0.99	0.31	0.81	0.39
RTB 5/32 N1/8	RTS 5/32 N1/8	YCB 5/32 N1/8	YCS 5/32 N1/8	5/32	1/8 NPT	0.39	0.86	0.47	0.81	0.39
RTB 1/4 N1/8	RTS 1/4 N1/8	YCB 1/4 N1/8	YCS 1/4 N1/8	1/4	1/8 NPT	0.37	0.85	0.47	0.97	0.47
RTB 1/4 N1/4	RTS 1/4 N1/4	YCB 1/4 N1/4	YCS 1/4 N1/4	1/4	1/4 NPT	0.51	1.02	0.55	0.97	0.47
RTB 1/4 N3/8	RTS 1/4 N3/8	YCB 1/4 N3/8	YCS 1/4 N3/8	1/4	3/8 NPT	0.53	1.14	0.67	0.97	0.47
RTB 5/16 N1/4	RTS 5/16 N1/4	YCB 5/16 N1/4	YCS 5/16 N1/4	5/16	1/4 NPT	0.50	1.09	0.55	1.18	0.67
RTB 5/16 N3/8	RTS 5/16 N3/8	YCB 5/16 N3/8	YCS 5/16 N3/8	5/16	3/8 NPT	0.53	1.09	0.67	1.18	0.67
RTB 3/8 N1/4	RTS 3/8 N1/4	YCB 3/8 N1/4	YCS 3/8 N1/4	3/8	1/4 NPT	0.50	1.09	0.55	1.18	0.67
RTB 3/8 N3/8	RTS 3/8 N3/8	YCB 3/8 N3/8	YCS 3/8 N3/8	3/8	3/8 NPT	0.53	1.09	0.67	1.18	0.67
RTB 3/8 N1/2	RTS 3/8 N1/2	YCB 3/8 N1/2	YCS 3/8 N1/2	3/8	1/2 NPT	0.60	1.18	0.87	1.18	0.67
RTB 1/2 N3/8	RTS 1/2 N3/8	YCB 1/2 N3/8	YCS 1/2 N3/8	1/2	3/8 NPT	0.53	1.17	0.67	1.28	0.75
RTB 1/2 N1/2	RTS 1/2 N1/2	YCB 1/2 N1/2	YCS 1/2 N1/2	1/2	1/2 NPT	0.60	1.26	0.86	1.28	0.75
RTB 4 M5	RTS 4 M5	YCB 4 M5	YCS 4 M5	4mm	M5	0.24	0.99	0.31	0.81	0.39
RTB 4 N1/8	RTS 4 N1/8	YCB 4 N1/8	YCS 4 N1/8	4mm	1/8 NPT	0.39	0.86	0.47	0.81	0.39
RTB 8 N1/4	RTS 8 N1/4	YCB 8 N1/4	YCS 8 N1/4	8mm	1/4 NPT	0.50	1.09	0.55	1.18	0.67
RTB 8 N3/8	RTS 8 N3/8	YCB 8 N3/8	YCS 8 N3/8	8mm	3/8 NPT	0.53	1.09	0.67	1.18	0.67

Units in mm

## STC-Lok™ Compression Fittings Numbering System

Ordering Part No. =  
(eg. MCC 1/4 N1/8)



Fitting Name	Model	Material/Type	Tube OD	Thread Size	Features
BACK FERRULE	BF	C = 316 Stainless Steel Double Ferrule Compression Fittings	(inch)	Pipe Thread Sizes:  N= NPT  N1/8 N1/4 N3/8 N1/2 N3/4 N1  R= BSPT  R1/8 R1/4 R3/8 R1/2 R3/4 R1  Machine Threads  10-32 M5 M6	316 Stainless Steel Compression Fittings with Double Ferrules, Compatible with Swagelok®, Parker A-Lok, Let-Lok, Yor-Lok
BRANCH TEE	BT		1/16		
BULKHEAD UNION	BU		1/8		
CAP	CP		3/16		
ELBOW UNION	EU		1/4		
FEMALE CONNECTOR	FC		5/16		
FRONT FERRULE	FF		3/8		
MALE CONNECTOR	MC		1/2		
MALE ELBOW	ME		5/8		
NUT	NT		3/4		
PLUG	PG		1		
REDUCED UNION	RU		(mm)		
RUN TEE	RT		4		
STRAIGHT UNION	SU		6		
TEE UNION	TU		8		
TUBE ADAPTOR	TA		10		
TUBE STEM REDUCER	TS	12			
		14			
		16			
		18			
		20			

### SPECIFICATIONS

Operating Temperature	-425 to 600 °F
Material of Construction	316 stainless Steel
Compatible with	Swagelok®, Parker A-Lok, Let-Lock, Yor-Lok
Service	air, water, steam, oil, gasoline, natural gas, most solvent and acids that are compatible with 316 stainless steel.

### PRESSURE

Tube Size (OD)	Maximum Pressure (PSI @72 °F)*
1/16"	10000
1/8"	8800
3/16"	5500
1/4"	4200
5/16"	3300
3/8"	2800
1/2"	2500
5/8"	2300
3/4"	2100
1"	1900







\* Maximum pressures are based on Type 304 and 316 annealed stainless steel welded tubing made to ASTM A213, A249, or A269 standards.

# STC Stainless Steel Compression Fittings List Price



Compression Fittings												
	Bulkhead Union		Straight Union		Elbow Union		Tee Union		Cross Union		Reducing Union	
Name	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price
1/8"	BUC 1/8	\$24.73	SUC 1/8	\$12.30	EUC 1/8	\$16.77	TUC 1/8	\$26.80	CUC 1/8	\$55.40	RUC 1/8X1/16	\$18.07
3/16"	BUC 3/16	\$25.45	SUC 3/16	\$11.48	EUC 3/16	\$24.32	TUC 3/16	\$27.53			RUC 3/16X1/16	\$21.61
1/4"	BUC 1/4	\$17.54	SUC 1/4	\$11.37	EUC 1/4	\$17.00	TUC 1/4	\$23.29	CUC 1/4	\$44.94	RUC 3/16X1/8	\$11.77
5/16"	BUC 5/16	\$23.72	SUC 5/16	\$13.84	EUC 5/16	\$21.25	TUC 5/16	\$28.98	CUC 5/16	\$50.49	RUC 1/4X1/16	\$16.22
3/8"	BUC 3/8	\$25.43	SUC 3/8	\$16.14	EUC 3/8	\$20.21	TUC 3/8	\$30.62	CUC 3/8	\$63.45	RUC 1/4X1/8	\$12.84
1/2"	BUC 1/2	\$36.66	SUC 1/2	\$24.48	EUC 1/2	\$33.42	TUC 1/2	\$44.74	CUC 1/2	\$65.86	RUC 1/4X3/16	\$14.81
5/8"	BUC 5/8	\$54.42	SUC 5/8	\$33.59	EUC 5/8	\$45.13	TUC 5/8	\$54.54	CUC 5/8	\$97.74	RUC 5/16X1/4	\$14.28
3/4"	BUC 3/4	\$60.98	SUC 3/4	\$40.83	EUC 3/4	\$59.38	TUC 3/4	\$69.89	CUC 3/4	\$129.95	RUC 3/8X1/16	\$24.57
1	BUC 1	\$121.03	SUC 1	\$71.05	EUC 1	\$121.03	TUC 1	\$154.74	CUC 1	\$231.95	RUC 3/8X1/8	\$21.90
											RUC 3/8X1/4	\$16.74
											RUC 3/8X5/16	\$20.06
											RUC 1/2X1/8	\$35.99
4 mm	BUC 4	25.45	SUC 4	\$11.48	EUC 4	24.32	TUC 4	27.53			RUC 1/2X1/4	\$26.80
6 mm	BUC 6	\$17.54	SUC 6	\$11.37	EUC 6	17.00	TUC 6	23.29	CUC 6	44.94	RUC 1/2X3/8	\$26.13
8 mm	BUC 8	\$23.72	SUC 8	\$13.84	EUC 8	21.25	TUC 8	28.98	CUC 8	50.49	RUC 5/8X3/8	\$40.33
10 mm	BUC 10	25.43	SUC 10	\$16.14	EUC 10	20.21	TUC 10	30.62	CUC 10	63.45	RUC 5/8X1/2	\$39.65
12 mm	BUC 12	36.66	SUC 12	\$24.48	EUC 12	33.421	TUC 12	44.74	CUC 12	65.86	RUC 3/4X3/8	\$55.05

Compression Fittings														
	CAP		Back Ferrule		Front Ferrule		Nut		Plug		Tube Stem Reducer		Tube X Male Pipe (Butt Weld)	
Tube OD	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price
1/8"	CPC 1/8	\$8.10	BFC 1/8	\$2.19	FFC 1/8	\$2.42	NTC 1/8	\$2.67	PGC 1/8	\$8.01	TRC 1/16X1/8	\$17.01	BWC 1/8X1/8	\$8.42
3/16"	CPC 3/16	\$7.99	BFC 3/16	\$2.22	FFC 3/16	\$2.44	NTC 3/16	\$2.40	PGC 3/16	\$8.27	TRC 1/8X1/16	\$17.01	BWC 3/16X1/8	\$10.13
1/4"	CPC 1/4	\$6.86	BFC 1/4	\$1.84	FFC 1/4	\$2.00	NTC 1/4	\$2.40	PGC 1/4	\$6.15	TRC 1/4X1/8	\$12.62	BWC 1/4X1/8	\$8.18
5/16"	CPC 5/16	\$7.31	BFC 5/16	\$2.23	FFC 5/16	\$2.44	NTC 5/16	\$2.57	PGC 5/16	\$7.14	TRC 1/4X3/8	\$10.14	BWC 1/4X1/4	\$8.58
3/8"	CPC 3/8	\$9.14	BFC 3/8	\$2.17	FFC 3/8	\$2.39	NTC 3/8	\$3.26	PGC 3/8	\$7.22	TRC 1/4X1/2	\$11.91	BWC 5/16X1/4	\$13.46
1/2"	CPC 1/2	\$13.71	BFC 1/2	\$3.21	FFC 1/2	\$3.43	NTC 1/2	\$5.34	PGC 1/2	\$10.28	TRC 5/16X1/4	\$14.19	BWC 3/8X3/8	\$13.74
5/8"	CPC 5/8	\$17.25	BFC 5/8	\$3.76	FFC 5/8	\$3.98	NTC 5/8	\$7.70	PGC 5/8	\$15.93	TRC 3/8X1/4	\$12.57	BWC 3/8X1/2	\$18.91
3/4"	CPC 3/4	\$23.17	BFC 3/4	\$4.71	FFC 3/4	\$5.31	NTC 3/4	\$9.19	PGC 3/4	\$17.15	TRC 3/8X1/2	\$12.57	BWC 1/2X1/2	\$18.57
1	CPC 1	\$43.17	BFC 1	\$8.12	FFC 1	\$11.05	NTC 1	\$17.49	PGC 1	\$33.38	TRC 1/2X3/4	\$17.81	BWC 1/2X3/4	\$27.63
4 mm	CPC 4	\$7.99	BFC 4	\$2.22	FFC 4	\$2.44	NTC 4	\$2.40	PGC 4	\$8.27			BWC 5/8X1/2	\$21.39
6 mm	CPC 6	\$6.86	BFC 6	\$1.84	FFC 6	\$2.00	NTC 6	\$2.40	PGC 6	\$6.15			BWC 3/4X3/4	\$31.24
8 mm	CPC 8	\$7.31	BFC 8	\$2.23	FFC 8	\$2.44	NTC 8	\$2.57	PGC 8	\$7.14			BWC 1X1	\$60.43
10 mm	CPC 10	\$9.14	BFC 10	\$2.17	FFC 10	\$2.39	NTC 10	\$3.26	PGC 10	\$7.22				
12 mm	CPC 12	\$13.71	BFC 12	\$3.21	FFC 12	\$3.43	NTC 12	\$5.34	PGC 12	\$10.28				

Compression Fittings													
	Name	Branch Tee		Female Connector		Female Branch Tee		Male Connector		Male Elbow		Run Tee	
Tube OD	Thread	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price	Part No.	Unit Price
1/8"	10-32UNF												
1/8"	NPT1/8"	BTC 1/8 N1/8	\$26.85	FCC 1/8 N1/8	\$11.95	FBC 1/8 N1/8	\$35.06	MCC 1/8 N1/8	\$9.04	MEC 1/8 N1/8	\$14.95	RTC 1/8 N1/8	\$27.22
1/8"	NPT1/4"	BTC 1/8 N1/4	\$30.40	FCC 1/8 N1/4	\$13.94	FBC 1/8 N1/4	\$34.56	MCC 1/8 N1/4	\$9.95	MEC 1/8 N1/4	\$14.31	RTC 1/8 N1/4	\$45.48
3/16"	10-32UNF												
3/16"	NPT1/8"	BTC 3/16 N1/8	\$30.17	FCC 3/16 N1/8	\$11.51			MCC 3/16 N1/8	\$9.18	MEC 3/16 N1/8	\$15.17	RTC 3/16 N1/8	\$28.10
3/16"	NPT1/4"									MEC 3/16 N1/4	\$16.77		
3/16"	NPT3/8"												
1/4"	10-32UNF												
1/4"	NPT1/8"	BTC 1/4 N1/8	\$25.36	FCC 1/4 N1/8	\$10.14	FBC 1/4 N1/8	\$32.19	MCC 1/4 N1/8	\$7.83	MEC 1/4 N1/8	\$12.92	RTC 1/4 N1/8	\$25.77
1/4"	NPT1/4"	BTC 1/4 N1/4	\$30.52	FCC 1/4 N1/4	\$12.42	FBC 1/4 N1/4	\$35.91	MCC 1/4 N1/4	\$8.12	MEC 1/4 N1/4	\$13.98	RTC 1/4 N1/4	\$30.52
1/4"	NPT3/8"			FCC 1/4 N3/8	\$15.89	FBC 1/4 N3/8	\$57.38	MCC 1/4 N3/8	\$9.98	MEC 1/4 N3/8	\$20.88	RTC 1/4 N3/8	\$39.47
5/16"	NPT1/8"			FCC 5/16 N1/8	\$12.97			MCC 5/16 N1/8	\$9.52	MEC 5/16 N1/8	\$15.17	RTC 5/16 N1/8	\$32.34
5/16"	NPT1/4"			FCC 5/16 N1/4	\$13.68			MCC 5/16 N1/4	\$11.51	MEC 5/16 N1/4	\$15.73	RTC 5/16 N1/4	\$33.63
5/16"	NPT3/8"												
3/8"	NPT1/8"			FCC 3/8 N1/8	\$13.53			MCC 3/8 N1/8	\$10.53	MEC 3/8 N1/8	\$18.70		
3/8"	NPT1/4"	BTC 3/8 N1/4	\$32.53	FCC 3/8 N1/4	\$12.73	FBC 3/8 N1/4	\$36.92	MCC 3/8 N1/4	\$9.88	MEC 3/8 N1/4	\$17.35	RTC 3/8 N1/4	\$32.41
3/8"	NPT3/8"	BTC 3/8 N3/8	\$36.63	FCC 3/8 N3/8	\$17.15	FBC3/8 N3/8	\$54.85	MCC 3/8 N3/8	\$11.75	MEC 3/8 N3/8	\$21.74	RTC 3/8 N3/8	\$37.54
3/8"	NPT1/2"			FCC 3/8 N1/2	\$22.72	FBC 3/8 N1/2	\$69.03	MCC 3/8 N1/2	\$13.49	MEC 3/8 N1/2	\$27.90	RTC 3/8 N1/2	\$57.99
1/2"	NPT1/4"			FCC 1/2 N1/4	\$17.94	FBC 1/2 N1/4	\$61.25	MCC 1/2 N1/4	\$15.15	MEC 1/2 N1/4	\$25.70		
1/2"	NPT3/8"	BTC 1/2 N3/8	\$48.65	FCC 1/2 N3/8	\$18.38	FBC 1/2 N3/8	\$51.49	MCC 1/2 N3/8	\$15.74	MEC 1/2 N3/8	\$25.70	RTC 1/2 N3/8	\$48.59
1/2"	NPT1/2"	BTC 1/2 N1/2	\$51.14	FCC 1/2 N1/2	\$24.68	FBC 1/2 N1/2	\$58.03	MCC 1/2 N1/2	\$16.84	MEC 1/2 N1/2	\$30.92	RTC 1/2 N1/2	\$51.14
1/2"	NPT3/4"			FCC 1/2 N3/4	\$30.74			MCC 1/2 N3/4	\$22.64	MEC 1/2 N3/4	\$45.24		
1/2"	NPT1"												
5/8"	NPT3/8"			FCC 5/8 N3/8	\$32.50			MCC 5/8 N3/8	\$21.41	MEC 5/8 N3/8	\$34.95		
5/8"	NPT1/2"	BTC 5/8 N1/2	\$63.38	FCC 5/8 N1/2	\$27.35	FBC 5/8 N1/2	\$76.17	MCC 5/8 N1/2	\$22.66	MEC 5/8 N1/2	\$36.79	RTC 5/8 N1/2	\$63.38
5/8"	NPT3/4"							MCC 5/8 N3/4	\$28.54	MEC 5/8 N3/4	\$46.81		
3/4"	NPT1/2"			FCC 3/4 N1/2	\$33.69			MCC 3/4 N1/2	\$29.67	MEC 3/4 N1/2	\$40.57		
3/4"	NPT3/4"	BTC 3/4 N3/4	\$76.49	FCC 3/4 N3/4	\$33.98	FBC 3/4 N3/4	\$99.37	MCC 3/4 N3/4	\$30.45	MEC 3/4 N3/4	\$44.15	RTC 3/4 N3/4	\$76.49
3/4"	NPT1"							MCC 3/4 N1	\$40.35				
1"	NPT1/2"												
1"	NPT3/4"			FCC 1 N3/4	\$69.20	FBC 1 N3/4	\$181.49	MCC 1 N3/4	\$50.69	MEC 1 N3/4	\$79.02		
1"	NPT1"			FCC 1 N1	\$82.51	FBC 1 N1	\$189.13	MCC 1 N1	\$47.06	MEC 1 N1	\$77.78		
4 mm	M5	BTC 4 M5		FCC 4 M5		FBC 4 M5		MCC 4 M5		MEC 4 M5		RTC 4 M5	
4mm	M6X1	BTC 4 M6		FCC 4 M6		FBC 4 M6		MCC 4 M6		MEC 4 M6		RTC 4 M6	
4 mm	R1/8	BTC 4 R1/8		FCC 4 R1/8		FBC 4 R1/8		MCC 4 R1/8		MEC 4 R1/8		RTC 4 R1/8	
4 mm	R1/4	BTC 4 R1/4		FCC 4 R1/4		FBC 4 R1/4		MCC 4 R1/4		MEC 4 R1/4		RTC 4 R1/4	
6mm	M5	BTC 6 M5		FCC 6 M5		FBC 6 M5		MCC 6 M5		MEC 6 M5		RTC 6 M5	
6mm	M6X1	BTC 6 M6		FCC 6 M6		FBC 6 M6		MCC 6 M6		MEC 6 M6		RTC 6 M6	
6mm	R1/8	BTC 6 R1/8		FCC 6 R1/8		FBC 6 R1/8		MCC 6 R1/8		MEC 6 R1/8		RTC 6 R1/8	
6mm	R1/4	BTC 6 R1/4		FCC 6 R1/4		FBC 6 R1/4		MCC 6 R1/4		MEC 6 R1/4		RTC 6 R1/4	
6mm	R3/8	BTC 6 R3/8		FCC 6 R3/8		FBC 6 R3/8		MCC 6 R3/8		MEC 6 R3/8		RTC 6 R3/8	
6mm	R1/2	BTC 6 R1/2		FCC 6 R1/2		FBC 6 R1/2		MCC 6 R1/2		MEC 6 R1/2		RTC 6 R1/2	
8mm	R1/8	BTC 8 R1/8		FCC 8 R1/8		FBC 8 R1/8		MCC 8 R1/8		MEC 8 R1/8		RTC 8 R1/8	
8 mm	R1/4	BTC 8 R1/4		FCC 8 R1/4		FBC 8 R1/4		MCC 8 R1/4		MEC 8 R1/4		RTC 8 R1/4	
8 mm	R3/8	BTC 8 R3/8		FCC 8 R3/8		FBC 8 R3/8		MCC 8 R3/8		MEC 8 R3/8		RTC 8 R3/8	
8mm	R1/2	BTC 8 R1/2		FCC 8 R1/2		FBC 8 R1/2		MCC 8 R1/2		MEC 8 R1/2		RTC 8 R1/2	
10mm	R1/8	BTC 10 R1/8		FCC 10 R1/8		FBC 10 R1/8		MCC 10 R1/8		MEC 10 R1/8		RTC 10 R1/8	
10mm	R1/4	BTC 10 R1/4		FCC 10 R1/4		FBC 10 R1/4		MCC 10 R1/4		MEC 10 R1/4		RTC 10 R1/4	
10mm	R3/8	BTC 10 R3/8		FCC 10 R3/8		FBC 10 R3/8		MCC 10 R3/8		MEC 10 R3/8		RTC 10 R3/8	
10mm	R1/2	BTC 10 R1/2		FCC 10 R1/2		FBC 10 R1/2		MCC 10 R1/2		MEC 10 R1/2		RTC 10 R1/2	
12mm	R1/4	BTC 12 R1/4		FCC 12 R1/4		FBC 12 R1/4		MCC 12 R1/4		MEC 12 R1/4		RTC 12 R1/4	
12mm	R3/8	BTC 12 R3/8		FCC 12 R3/8		FBC 12 R3/8		MCC 12 R3/8		MEC 12 R3/8		RTC 12 R3/8	
12mm	R1/2	BTC 12 R1/2		FCC 12 R1/2		FBC 12 R1/2		MCC 12 R1/2		MEC12 R1/2		RTC 12 R1/2	