

SS 316L

Full Metal Series

Brass



pneumatic Fittings











PHOENIX connector line includes metric one touch fittings, fittings manifolds, speed controllers.








It provides stainless steel fittings and brass fittings options. Pneumatic fittings are available in wide variety of sizes, body styles and thread types.

- Accepts FEP, PFA, Nylon & PU Tubes
- Fluid : Air, Water
- Operating pressure range : -100kpa-1Mpa
- Release collar allows easy removal of tubing without causing damage to the tube.

ONE TOUCH PUSH IN FITTINGS -
MATERIAL : BRASS WITH CHROME PLATED
THREAD : BSPT
SLEEVE COLOUR : WHITE



→ HSN 741220											
Item Code	Size	PC	PL	PT	PCF	NSE	PWT	PST	PH	PLF	PLL
OD-TH	OD x Thread (mm) x (inch)	Male Conn.	Male Elbow	Male Tee	Female Conn.	Flow Control Elbow	Male 'Y'	Male Run Tee	Benjo Elbow	Female Elbow	Extended Elbow
04-M5	4xM5	31	40	61	—	127	76	—	—	—	—
04-M6	4xM6	47	50	76	—	195	—	—	—	—	—
04-M8	4xM8	47	—	—	—	—	—	—	—	—	—
04-01	4x1/8"	28	37	50	39	127	53	53	105	74	91
04-02	4x1/4"	39	44	62	69	163	66	55	176	—	—
06-M5	6xM5	31	40	58	—	127	78	—	—	—	—
06-M6	6xM6	48	50	78	—	195	—	—	—	—	—
06-M8	6xM8	48	—	—	—	—	—	—	—	—	—
06-01	6x1/8"	28	37	47	34	121	51	51	92	65	86
06-02	6x1/4"	33	41	55	59	144	59	59	123	77	96
06-03	6x3/8"	56	58	77	74	258	87	87	164	—	—
06-04	6x1/2"	103	96	109	137	334	124	124	—	—	—
08-M5	8xM5	48	62	—	—	—	—	—	—	—	—
08-M6	8xM6	69	70	—	—	—	—	—	—	—	—
08-01	8x1/8"	30	41	51	49	121	55	55	92	65	92
08-02	8x1/4"	30	43	53	60	144	58	58	123	83	92
08-03	8x3/8"	56	58	79	78	266	90	90	166	91	145
08-04	8x1/2"	94	89	115	120	340	131	131	290	168	—
10-01	10x1/8"	51	72	106	84	176	—	—	—	—	—
10-02	10x1/4"	55	72	92	78	174	99	99	146	136	159
10-03	10x3/8"	58	72	92	78	266	114	114	171	144	161
10-04	10x1/2"	95	99	126	111	356	155	155	293	176	—
12-01	12x1/8"	81	99	136	121	—	—	—	—	—	—
12-02	12x1/4"	81	99	126	113	231	135	135	171	165	211
12-03	12x3/8"	82	99	126	113	282	156	156	180	194	219
12-04	12x1/2"	100	99	126	145	369	156	156	333	194	—
14-02	14x1/4"	180	260	327	—	—	—	—	—	—	—
14-03	14x3/8"	180	260	327	354	—	—	—	—	—	—
14-04	14x1/2"	180	260	327	354	—	—	—	—	—	—
16-02	16x1/4"	180	260	327	—	—	—	—	—	—	—
16-03	16x3/8"	180	260	327	354	—	—	—	—	—	—
16-04	16x1/2"	180	260	327	354	—	—	—	—	—	—

Union Fittings → HSN 391740								
Item Code	Tube	PUC	PUL	PUT	PY	PZA	PMM	PP
OD	OD(mm)	Straight Union	Union Elbow	Union Tee	Union 'Y'	Union Cross	Union Bulkhead	Blanking Plug
04	4	21	23	32	32	47	76	13
06	6	21	23	32	32	41	81	13
08	8	24	26	34	34	48	95	13
10	10	33	35	50	54	90	175	18
12	12	43	46	60	65	110	228	20
14	14	132	162	195	240	—	—	—
16	16	132	162	195	240	—	—	—

Reducing Fittings → HSN 391740		
Item Code	PG	PGJ
OD	Reducing Union	Plug in Reducer
06-04	26	70
08-04	34	70
08-06	28	90
10-06	52	95
12-06	69	—
10-08	44	95
12-08	61	105
12-10	48	110
14-10	260	—
14-12	255	—
16-10	260	—
16-12	260	—
16-14	255	—

→ HSN 391740
Triple Branch Reducing





Item Code	PK	Item Code	Size	PKG
OD		D1xD2		
04	72	06-04	6-4	180
06	72	08-04	8-4	200
08	79	08-06	8-6	200
10	143	10-06	10-6	230
12	175			
14	—			
16	—			

Reducing Fittings		
Item Code	PTG	PN
D1-D1-D2	Reducing Tee	Reducing 'Y'
04-04-06	65	65
04-04-08	76	65
06-06-04	65	—
06-06-08	65	65
06-06-10	101	101
08-08-04	76	—
08-08-06	65	—
08-08-10	93	93
08-08-12	131	131
10-10-06	101	—
10-10-08	93	—
10-10-12	106	106
12-12-10	106	—
12-12-06	125	—
12-12-08	131	—

→ HSN 741220


Item Code	PKB	Item Code	Size	PKD
OD-TH		D1xD2 x Th		
04-01	183	06-04-01	6x4x1/8"	266
06-01	183	06-04-02	6x4x1/4"	268
06-02	196	08-06-01	8x6x1/8"	266
06-03	209	08-06-02	8x6x1/4"	268
08-01	201	08-06-03	8x6x3/8"	304
08-02	201	10-08-03	10x8x3/8"	304
08-03	236			


→ **HSN 848180**

Controller					
Item Code	Tube	NSF	HVFF	Item Code	HVFF
OD	OD(mm)	In Line Controller	In Line Hand Valve	OD	In Line Hand Valve
04	4	182	341	12-10	450
06	6	190	316		
08	8	211	401		
10	10	316	536		
12	12	487	609		
14	14	—	—		
16	16	—	—		

Item Code	Size	HVSS
	Th x Th	Male Hand Valve
01-01	1/8" x 1/8"	245
01-02	1/8" x 1/4"	270
02-02	1/4" x 1/4"	305
02-03	1/4" x 3/8"	350
03-03	3/8" x 3/8"	350
03-04	3/8" x 1/2"	435
04-04	1/2" x 1/2"	435

CHECK VALVE with one touch fitting

	Item Code	Size	PCVC
	OD x Th		
	04-M5	04xM5	341
04-01	04x1/8"	341	
06-01	06x1/8"	341	
06-02	06x1/4"	341	
08-01	08x1/8"	383	
08-02	08x1/4"	383	

	Item Code	Tube	PCVU
	OD		
	04	04	405
06	06	425	
08	08	455	

→ **HSN 741220**

High Speed Rotary Fittings

	Item Code	Size	NRL
	Tube OD x Thread		
	04-M5	04xM5	1080
04-01	04x1/8"	1080	
04-02	04x1/2"	1080	
06-M5	06xM5	1080	
06-01	06x1/8"	1080	
06-02	06x1/4"	1080	
06-03	06x3/8"	1460	
06-04	06x1/2"	1800	
08-01	08x1/8"	1200	
08-02	08x1/4"	1200	
08-03	08x3/8"	1460	
08-04	08x1/2"	1800	
10-01	10x1/8"	1560	
10-02	10x1/4"	1560	
10-03	10x3/8"	1660	
10-04	10x1/2"	1920	
12-01	12x1/8"	1800	
12-02	12x1/2"	1800	
12-03	12x3/8"	1800	
12-04	12x1/2"	1980	



Product details

Stainless steel clip spring
Good resilience, plug resistance, anti - trip

High strength casing
PBT resin shell, high hardness, wear - resistant and durable

Double bearing device
Double bearings are used in the revolving position, which is suitable for fast moving swing parts and high speed rotating parts

Precision thread
Standard thread, high precision machining, with grey sealant, airtight seal



PHOENIX RAPID ‘R’ Series screw fittings can be used with PU tubes, PTFE tube, PE tubes and is very convenient to use on different components. A locking nut is provided and can be tightened both manually and with a spanner. The special shape of the guiding cone ensures that the tube can not be accidentally cut. They are good for high temperature and high pressure.

→ **HSN 741220**



Item Code	Size	RPC	RPL
OD-TH	OD x Thread (mm) x (inch)	Male Conn.	Male Elbow
04-M5	2.5*4xM5	73	—
04-01	2.5*4x1/8"	43	—
06-02	4*6x1/4"	64	187
06-03	4*6x3/8"	81	—
08-01	6*8x1/8"	64	—
08-02	6*8x1/4"	81	—
08-03	6*8x3/8"	90	—



Item Code	Tube	RPUT
OD	ID*OD(mm)	Union Tee
04	2.5*4	167
08	6*8	217

PHOENIX Miniature ‘C’ series can be used for Optimum piping in less space with 20% reduction of the outside diameter Thread seal is standard.

Mini one touch type pipe connection tool for air pressure piping in limited spaces.

Various uses according to the user`s environment.

→ **HSN 741220**



Item Code	Size	POC-C	PL-C
OD-TH	OD x Thread (mm) x (inch)	Male Conn. Round Body	Male Elbow
03-M3	03xM3	78	78
03-M5	03xM5	78	78
04-M3	04xM3	62	68
04-M5	4xM5	62	68
04-M6	4xM6	62	78
04-01	4x1/8"	62	78
06-M5	6xM5	62	68
06-M6	6xM6	62	68
06-01	6x1/8"	78	68

→ **HSN 391740**



Item Code	Tube	PUC-C	PUL-C	PUT-C
OD	OD(mm)	Straight Union	Union Elbow	Union Tee
03	3	90	99	99
04	4	77	77	91
06	6	77	77	91

PHOENIX M Series one-touch fitting uses electroless nickel plated brass components as standard specification. Its maximum operating temperature is 150° C. The M Series fittings can be used with fluid, and in environments having a large temperature change. Configuration variations have been improved to 8 models. Applicable tube sizes are Ø4 to Ø12 and M5" to 1/2".

The body and push collect is both made of brass, nickel plated. Seals is NBR.

Fluid Type: compressed air.

Working Pressure: -0.8 ~ 15 bar.

Application Tube: PU, PE, PA tubes.

Working Temperature: -10°C ~ 60°C.

Material - Brass Chrome Plated
Sleeve - Brass Chrome Plated



→ **HSN 741220**



Item Code	Size	MPC	MPL	MPT	MNSE
OD-TH	OD x Thread (mm) x (inch)	Male Conn.	Male Swivel Elbow	Male Swivel Tee	Flow Control Elbow
04-M5	4xM5	100	170	317	665
04-01	4x1/8"	92	158	297	665
06-M5	6xM5	110	170	317	665
06-01	6x1/8"	86	146	278	624
06-02	6x1/4"	102	149	290	624
06-03	6x3/8"	145	187	—	—
06-04	6x1/2"	200	243	—	—
08-01	8x1/8"	111	188	348	624
08-02	8x1/4"	111	194	354	624
08-03	8x3/8"	145	237	428	831
08-04	8x1/2"	200	281	—	—
10-02	10x1/4"	203	274	555	749
10-03	10x3/8"	203	296	570	—
10-04	10x1/2"	232	320	624	—
12-02	12x1/4"	286	387	724	945
12-03	12x3/8"	286	387	724	1181
12-04	12x1/2"	319	411	854	—

→ **HSN 741220**



Item Code	Tube	MPUC	MPUL	MPUT	MPY
OD	OD(mm)	Straight Union	Union Elbow	Union Tee	Union Y
04	4	156	197	275	307
06	6	171	223	326	350
08	8	198	278	390	418
10	10	305	529	568	606
12	12	380	734	822	822

PHOENIX ‘S’ Series is a one-touch fitting made of all stainless steel 316L grade, except seal parts. The series is suitable for use with steam and is grease-free. Applicable tubing includes FEP, PFA, nylon, soft nylon, polyurethane and polyolefin. The ‘S’ series is available in metric sizes.

FEATURES :

1. Fast connection.
2. High temperature up to 180 degree.
3. Small, compact design.
4. Good resistance to chemical corrosive environment.
5. Food safety.
6. Allow full flow through the hose/tubing I.D. with no smaller orifice required as in barb fittings.



MATERIAL CONSTRUCTION :

Metal Body : **SS316**
 Push Button : **SS316**
 Claws : **SS301**
 Seals : **FKM**

SPECIFICATIONS :

Operating Pressure : 0~10 bar
Operating Temperature : -40 ~ 200°C
Application : Air, Vacuum, Steam, Beverage, Oil

→ **HSN 732690**

G- Thread



Item Code	Size	SSPC	SSPL
OD-TH	OD x Thread (mm) x (inch)	Male Connector	Male Elbow
04-M5	4xM5	480	950
04-01	4x1/8"	480	950
06-01	6x1/8"	480	950
06-02	6x1/4"	480	950
08-01	8x1/8"	505	990
08-02	8x1/4"	505	990
08-03	8x3/8"	555	1050
08-04	8x1/2"	650	1080
10-02	10x1/4"	575	1150
10-03	10x3/8"	575	1150
10-04	10 1/2"	650	1200
12-02	12x1/4"	600	1225
12-03	12x3/8"	600	1200
12-04	12x1/2"	650	1325

Union Fittings



Item Code	Tube	SSPUC	SSPUT
OD	ID*OD(mm)	Straight Union	Union Tee
04	4	575	990
06	6	600	990
08	8	630	1100
10	10	660	1250
12	12	700	1450

*Note - Spare elbow bolts also available

PHOENIX

→ HSN 848790



Item Code	Size	ALPC	ALPCF	ALPL	ALPT
IDOD-TH	ID*OD x Thread (mm) x (inch)	Male Conn.	Female Conn.	Male Elbow	Male Tee
254-M5	2.5*4xM5	48	53	87	145
254-01	2.5*4x1/8"	39	44	90	130
254-02	2.5*4x1/4"	51	51	114	162
46-M5	4*6xM5	60	53	89	155
46-01	4*6x1/8"	44	45	96	143
46-02	4*6x1/4"	51	51	114	162
46-03	4*6x3/8"	70	70	222	270
46-04	4*6x1/2"	99	104	330	381
68-01	6*8x1/8"	46	47	99	150
68-02	6*8x1/4"	53	53	117	165
68-03	6*8x3/8"	73	72	222	270
68-04	6*8x1/2"	103	107	330	400
810-01	8*10x1/8"	72	84	133	190
810-02	8*10x1/4"	62	70	126	192
810-03	8*10x3/8"	86	75	248	314
810-04	8*10x1/2"	118	117	340	418
812-02	8*12x1/4"	76	87	158	243
812-03	8*12x3/8"	107	95	310	383
812-04	8*12x1/2"	148	147	418	525
912-02	9*12x1/4"	66	72	131	202
912-03	9*12x3/8"	89	79	248	320
912-04	9*12x1/2"	123	122	348	437
1216-02	12*16x1/4"	170	170	172	—
1216-03	12*16x3/8"	176	—	425	560
1216-04	12*16x1/2"	180	180	452	595
PU13-03	x3/8"	153	168	353	465
PU13-04	x1/2"	156	150	377	495



Item Code	Tube	ALPUC	ALPUL	ALPUT	ALPZA	ALPMM	ALCAP
IDOD	ID*OD(mm)	Straight Union	Union Elbow	Union Tee	Union Cross	Union Bulkhead	Cap
254	2.5*4	75	97	150	192	88	16
46	4*6	77	112	173	244	99	20
68	6*8	83	117	180	240	108	21
810	8*10	99	137	235	330	145	32
812	8*12	140	188	293	—	182	—
912	9*12	130	156	243	345	155	36
1216	12*16	365	472	482	—	555	60
PU13		210	410	669	905	460	—

→ **HSN 848790**



Item Code	Tube	ALPG
OD	ID*OD(mm)	Reducing Union
25446	2.5*4 x 4*6	85
4668	4*6 x 6*8	88
68810	6*8 x 8*10	99
810912	8*10 x 9*12	125

Item Code	Tube	ALPTG
OD	D1*D2 (mm)	Reducing Tee
668	4*6x6*8	190

Item Code	ALSOC	ALW
Th	Socket	Washer
M5	—	4
1/8"	38	4
1/4"	52	4
3/8"	79	5
1/2"	107	5

PHOENIX

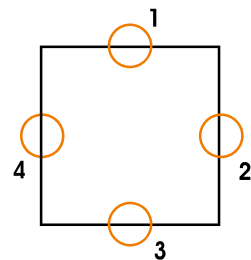
Manifold

MANIFOLD BLOCK

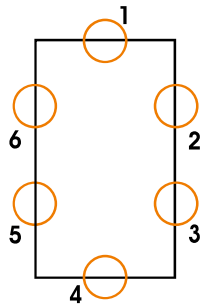


MB Type

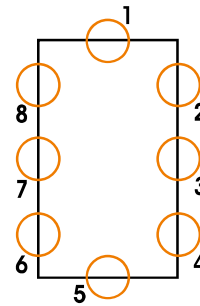
4 way Block



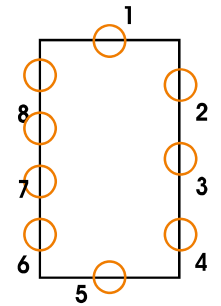
6 way Block



8 way Block



12 way Block



Item Code	1/4"	Price
		Per Nos
MB 144	4 way	175
MB 146	6 way	280
MB 148	8 way	405
MB 1412	12 way	605

Item Code	1/2"	Price
		Per Nos
MB 124	4 way	415
MB 126	6 way	620
MB 128	8 way	830

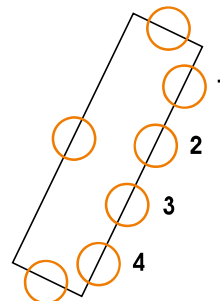
MANIFOLD LT Series



LT-3 Type



Used for Multiple Air or Water Lines



For Example - 4 way

Item Code	Size	Price
		Per Nos
LT3-2 Way	1/4"	155
LT3-3 Way	1/4"	235
LT3-4 Way	1/4"	310
LT3-6 Way	1/4"	465