

SimplAir SL

Compressed Air Piping



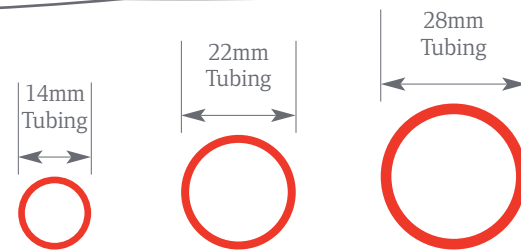
This sector provides products, services and solutions to enhance the efficiency and productivity of our commercial, industrial and process customers. Our Ingersoll Rand brand products include tools, pumps, material and fluid handling systems, microturbines, air compressors and air system components.

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SimplAir SL

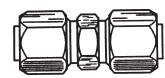
Compressed Air Piping



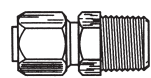
Simplair- Speedline (SL) has been designed to provide an efficient, low cost method of installing compressed air systems. Simplair SL is a unique round aluminum extrusion, anodized to prevent corrosion and manufactured in line with Simplair's advanced piping concept. Simplair SL offers flexibility with bendable tubing, reducing the number of fittings needed for any installation. This gives you the ability to use large sweeping bends to eliminate high-pressure losses experienced using conventional fitting methods. With Simplair SL, a successful installation can be achieved simply and quickly.



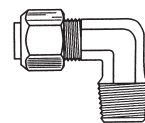
Pipe Bender Complete



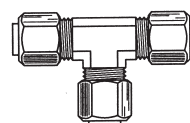
Union



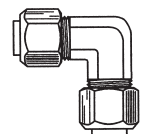
Stud, Male Straight



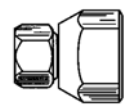
Elbow, 90° Male Street



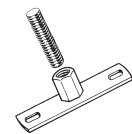
Tee Union



Elbow, 90° Union



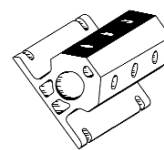
Female Stem Adapter With Preset Nut & Ferrule



Wall Mounting Back Plate



Hanging/Mounting Bracket



1" x 6 Way Outlet Manifold
Side Outlet Ports:-
2 x 0.25" Outlets
2 x 0.375" Outlets
2 x 0.5" Outlets
(Top and Bottom Ports 1")

Flow Rates Through Tubing

Working Pressure bar - psig	14mm (1/2") cfm - (M3/Min)	22mm (1") cfm - (M3/Min)	28mm (1-1/4") cfm - (M3/Min)
7 bar - 100psig	36 - (1.02)	70 - (1.99)	126 - (3.58)
8.5 bar - 125psig	42 - (1.19)	85 - (2.24)	148 - (4.21)
10 bar - 150psig	47 - (1.33)	101 - (2.87)	175 - (4.98)
14 bar - 203psig	62 - (1.75)	133 - (3.78)	231 - (6.57)
17 bar - 250psig	69 - (1.96)	162 - (4.61)	281 - (8.00)

Flows are based on a 1 psig pressure drop per 10 mtrs (30ft).

Speedline Technical Specifications

Description	Pipe Diameter	Standard Pipe Length	Weight	Maximum Working Pressure	Maximum Temperature	Minimum Temperature
SL 14	14mm (0.5")	5 mtrs (16'-6")	0.160kg/m (0.10/ft)	17bar (250psig)	130°C (266°F)	-30°C (-22°F)
SL 22	22mm (1")	5 mtrs (16'-6")	0.260kg/m (0.17/ft)	17bar (250psig)	130°C (266°F)	-30°C (-22°F)
SL 28	28mm (1.25")	5 mtrs (16'-6")	0.309kg/m (0.22/ft)	17bar (250psig)	130°C (266°F)	-30°C (-22°F)

For mechanical and physical properties please refer to manufacturers installation manual.

Speedline Technical Specifications

	Thread Size	14mm (0.5") Part No.	22mm (1") Part No.	28mm (1.25") Part No.
Tubing		92455377	54521059	54539127
Union	N/A	54563861	54589171	54589189
Elbow, 90° Union	N/A	54563952	54589270	54589288
Elbow, 90° Male Street	0.5" NPT	54563911		
	0.5" BSP	54563937		
	0.75" NPT		38004057	
	0.75" BSP		38004065	
	1" NPT		54589239	
	1" BSP		54589247	
	1.25" NPT			54589254
	1.25" BSP			54589262
Stud, Mail Straight	0.5" NPT	54563895		
	0.5" BSP	54563903		
	0.75" NPT		38004073	
	0.75" BSP		38004081	
	1" NPT		54589197	54615828
	1" BSP		54589247	38004107
	1.25" NPT			54589213
	1.25" BSP			54589221
Tee Union	N/A	54563960	54589296	54589304
End Cap	N/A	54600721	54599592	54599618
Female Stem Adapters	14mm x 0.25" NPT	38004115		
	14mm x 0.25" BSP	38004123		
	14mm x 0.375" NPT	38004131		
	14mm x 0.375" BSP	38004149		
	22mm x 0.25" NPT		38004156	
	22mm x 0.25" BSP		38004164	
	22mm x 0.375" NPT		38004172	
	22mm x 0.375" BSP		38004180	
	22mm x 0.5" NPT		38004198	
	22mm x 0.5" BSP		38004206	
	28mm x 0.25" NPT			38004214
	28mm x 0.25" BSP			38004222
	28mm x 0.375" NPT			38004230
	28mm x 0.375" BSP			38004248
	28mm x 0.5" NPT			38004255
	28mm x 0.5" BSP			38004263
1" x 6 Way Outlet Manifold		38004339**		
		38004347**		
Replacement Ferrules		38004297		
			38004313	
				38004321
Hanging/Mounting Brackets	10mm (0.375")	54593652	54593660	54593678
Wall Mounting Back Plates	10mm (0.375")	54593645	54593645	54593645
Pipe Bender Complete*			54599568	
Former		N/A***	54599527	54599543
Guide		N/A***	54599535	54599550

* Pipe Bender Kit complete with both 22mm and 28mm formers and guides

** All 6 outlets ports are supplied plugged - remove plug to use

*** NOTE: 14mm tubing can be bent with a 22mm (1") former and guide

Simplair SL is tested to ANSI B31.1