

Part 6 Air Line Fittings

[6.1 Couplers & Plugs](#)

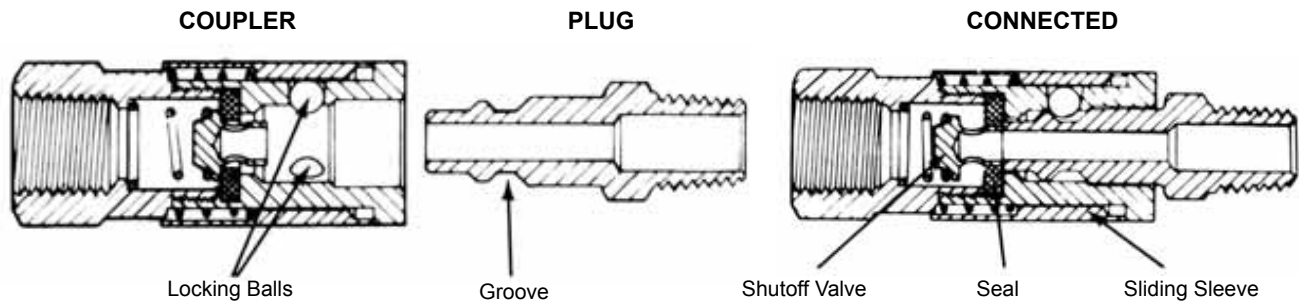
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6.1 COUPLERS & PLUGS

Couplers & Plugs



Quick disconnect couplers are the fastest, easiest and most reliable means of joining pneumatic and fluid transfer lines. All quick disconnect couplers work on the same principle:

- Hardened balls or pins engage a groove in the coupler plug to hold it securely against a soft seal while permitting the assembly to swivel, thereby preventing kinking or twisting of hoses.
- A sliding sleeve releases the locking balls when retracted, permitting the plug to be inserted or removed. The sleeve automatically returns to the locked position when released.
- An automatic shutoff valve in the coupler seals instantly upon uncoupling, eliminating the need for a separate shutoff.

Features and Benefits

LONG SERVICE LIFE

- Zinc plated to provide a noncorrosive finish.
- Heat treated to harden critical wear points.
- Molded Buna-n seals create a leak proof connection.

VARIETY OF SIZES AND STYLES

- Available in 1/4, 3/8, and 1/2 bodies with male and female pipe threads, or hose barb ends

EFFICIENT PERFORMANCE

- Tubular valve design provides high flow rates.
- Steel locking balls ensure connection holds tight under the most rugged applications.
- Spring loaded sliding outer sleeve allows quick connect/disconnect.

INTERCHANGEABILITY

- Fully interchangeable with couplers and plugs made by other manufacturers. (See the interchange chart on the following page.)



6.1 COUPLERS & PLUGS

Coupler Interchange

No.	ARO	Camel	Coilhose	Foster	Hansen	Milton	Parker	Schrader	Truflate
87000	TFCM22-000	61-524	162	TF3103	B21QS-25m	786	B12	SC1B	13-124
87002	TFCF44-000	61-563	120	5205	4520	1815	17	3512	13-712
87004	TFCM23-000	—	165	TF3303	B21QS-37m	789	B12E	SC1-03	—
87008	TFCF22	61-523	160	TF3003	B21QS-25F	785	B13	3504	13-134
87010	TFCF23-000	61-704	161	TF3203	B21QS-37F	788	B13E	SC2-23	13-138
87012	TFCH22-000	—	163	TF3603	B21QS-25H	786-4	B10-3B	—	13-164
87014	TFCH23-000	—	166	37033	1700	786-6	B10-5B	SC2-44	—
87016	MSCF22-000	61-573	150	3003	1000	715	B23	SC20B	13-234
87018	MSCF23-000	61-103	151	3203	1200	718	B23E	SC20-23	13-236
87020	MSCH22-000	61-575	153	—	—	717	B20-3B	SC20-42	13-264
87022	MSCH23-000	61-720	—	1513	1600P	717-6	B20-5B	SC20-44	13-266
87024	MSCM22-000	61-574	152	3103	1100	716	B22	SC21B	13-224
87026	MSCM23-000	61-101	155	3303	1300	719	B22E	SC21-03	13-226
87028	MSCM33-000	61-483	581	4304	430	1836	B24	SC25	13-526
87030	23102-002	—	583*	4104	410	1834	24C*	SC25-02	—
87032	MSCF33-000	61-482	580	4204	420	1835	B25	SC26	13-536
87034	MSCM32-000	—	582*	4004	400	1833*	25C*	SC26-22	—
87036	210-210	61-527	142	210-3103	210-212	776	B52	SC37B	13-324
87038	210	61-526	140	210-3003	20AS-25F	775	B53	SC38B	13-334
87040	TFCM33-000	61-554	591*	TF4304	—	1806	14*	SC5	13-604
87042	TFCF33-000	61-553	590*	TF4204	—	1805	15*	SC6	13-612
87044	TFCM32-000	61-478	593*	TF4104	—	1804	14C*	SC7	13-602
87046	TFCF22-000	61-476	592*	TF4004	—	1803	15C*	SC8	13-610
87048	TFCM44-000	61-564	122	5305	5300	1816	B36	SC9	13-704

*Steel body



6.1 COUPLERS & PLUGS

Industrial Interchange Series

Features

- Coupler bodies are brass.
- Plugs are case-hardened steel, plated to resist rust.

WARNING: Couplers and plugs are intended for use on compressed air lines only. All have a maximum rated working pressure of 300 psi.

1/4 SERIES – COUPLERS

Male Thread

No.	NPT Size	Qty
87024	1/4	1
87026	3/8	1



Female Thread

No.	NPT Size	Qty
87016	1/4	1
87018	3/8	1



Hose Barb

No.	NPT Size	Qty
87020	1/4	1
87022	3/8	1



1/4 SERIES – PLUGS

Male Thread

No.	NPT Size	Qty
87226	1/4	5
87228	3/8	5



Female Thread

No.	NPT Size	Qty
87222	1/4	5
87224	3/8	2



Hose Barb

No.	NPT Size	Qty
87230	1/4	2
87232	3/8	2



3/8 SERIES – COUPLERS

Male Thread

No.	NPT Size	Qty
87030	1/4	1
87028	3/8	1



Female Thread

No.	NPT Size	Qty
87034	1/4	1
87032	3/8	1



6.1 COUPLERS & PLUGS

Industrial Interchange Series

3/8 SERIES – PLUGS

Male Thread

No.	NPT Size	Qty
87236	1/4	2
87234	3/8	2



Female Thread

No.	NPT Size	Qty
87242	1/4	2
87240	3/8	2



Hose Barb

No.	NPT Size	Qty
87238	3/8	2



1/2 SERIES – COUPLERS

Male Thread

No.	NPT Size	Qty
87048*	1/2	1



Female Thread

No.	NPT Size	Qty
87002*	1/2	1



1/2 SERIES – PLUGS

Male Thread

No.	NPT Size	Qty
87214	1/2	2
87216	3/8	2



*These couplers will work with industrial interchange and automotive standard series.

The ARO Series

1/4 SERIES – COUPLERS

Male Thread

No.	NPT Size	Qty
87036	1/4	1



Female Thread

No.	NPT Size	Qty
87038	1/4	1



1/4 SERIES – PLUGS

Male Thread

No.	NPT Size	Qty
87246	1/4	5



Female Thread

No.	NPT Size	Qty
87248	1/4	5



6.1 COUPLERS & PLUGS

Automotive Standard Series

Features

- Coupler bodies are brass.
- Plugs are case-hardened steel, plated to resist rust.

WARNING: Couplers and plugs are intended for use on compressed air lines only. All have a maximum rated working pressure of 300 psi.

1/4 SERIES – COUPLERS

Male Thread

No.	NPT Size	Qty
87000	1/4	1
87004	3/8	1



Female Thread

No.	NPT Size	Qty
87008	1/4	1
87010	3/8	1



Hose Barb

No.	NPT Size	Qty
87012	1/4	1
87014	3/8	1



1/4 SERIES – PLUGS

Male Thread

No.	NPT Size	Qty
87200	1/4	1
87202	3/8	1



Female Thread

No.	NPT Size	Qty
87218	1/4	1
87220	3/8	1



Hose Barb

No.	NPT Size	Qty
87204	1/4	1
87206	3/8	1



6.1 COUPLERS & PLUGS

Automotive Standard Series

3/8 SERIES – COUPLERS

Male Thread

No.	NPT Size	Qty
87044	1/4	1
87040	3/8	1



Female Thread

No.	NPT Size	Qty
87046	1/4	1
87042	3/8	1



3/8 SERIES – PLUGS

Male Thread

No.	NPT Size	Qty
87254	1/4	1
87250	3/8	1



Female Thread

No.	NPT Size	Qty
87256	1/4	1
87252	3/8	1



1/2 SERIES – COUPLERS

Male Thread

No.	NPT Size	Qty
87048	1/2	1



Female Thread

No.	NPT Size	Qty
87002	1/2	1



*These couplers will work with industrial interchange and automotive standard series.

1/2 SERIES – PLUGS

Male Thread

No.	NPT Size	Qty
87258	1/2	1



Female Thread

No.	NPT Size	Qty
87208	1/2	1



6.1 COUPLERS & PLUGS

Universal Air Line Fittings

Features

- Fits Industrial, Automotive and ARO 1/4 series plugs.
- Brass construction for durability and long life.
- Durable four ball locking mechanism for secure connections.
- Unique design keeps locking ring cocked when uncoupled allowing for quick, easy coupling with plugs. Simply push the coupling onto the plug and the locking ring snaps into place for a secure connection.



No.	NPT	Type	Qty
87400	1/4	Female Thread	1
87402	1/4	Male Thread	1

3-Way Universal Composite Couplers

Features

- Accepts the 3 most popular 1/4" nipple styles:
 - A Style: ARO 210 style
 - M Style: Milton or Industrial style
 - T Style: Tru-Flate/Parker Automotive style
- Light and durable nylon construction
- Maximum working pressure: 210 PSI



No.	Description	Qty
87052	3-Way 1/4" NPT Composite Male Coupler	1
87050	3-Way 1/4" NPT Female Coupler	1



6.1 COUPLERS & PLUGS

Color-Coded Couplers and Plugs

Assortment Avail.

		95042		

Features

- Unique system allows for easy, color-to-color matching of couplers and plugs among the standard pneumatic interchanges.
- It also solves problem of potential crossing and contamination of different air lines.

No.	Description	Color	Qty
87471	ARO 1/4 Body 1/4 FNPT Sleeve Coupler	Green	1
87472	ARO 1/4 Body 1/4 MNPT Sleeve Coupler	Green	1
87473	ARO 1/4 Body 1/4 FNPT Plug	Green	1
87474	ARO 1/4 Body 1/4 MNPT Plug	Green	1
87475	Automotive 1/4 Body 1/4 FNPT Sleeve Coupler	Blue	1
87476	Automotive 1/4 Body 1/4 MNPT Sleeve Coupler	Blue	1
87477	Automotive 1/4 Body 1/4 FNPT Plug	Blue	1
87478	Automotive 1/4 Body 1/4 MNPT Plug	Blue	1
87479	Industrial 1/4 Body 1/4 FNPT Sleeve Coupler	Red	1
87480	Industrial 1/4 Body 1/4 MNPT Sleeve Coupler	Red	1
87481	Industrial 1/4 Body 1/4 FNPT Plug	Red	1
87482	Industrial 1/4 Body 1/4 MNPT Plug	Red	1



ARO (Green)
Couplers & Plugs



Automotive (Blue)
Couplers & Plugs



Industrial (Red)
Couplers & Plugs



6.2 HOSE

Flexzilla® Air Hose Assemblies

Flexzilla® is a revolutionary hose featuring a premium hybrid polymer material that redefines flexibility for tight radius bends in both cold and warm environments. Engineered polymer-blend material permits use in environments where general purpose PVC and rubber hoses may become too stiff. Flexzilla® hose characteristics offer zero memory allowing it to lay flat exactly where you drop it and won't work against you during operation or coiling after use. Flexzilla® offers extreme all-weather flexibility, even in sub-zero conditions and is currently used by oil companies located in Alaska!



Air Hose Assembly Features

- Superior all-weather flexibility.
- Excellent abrasion resistance.
- Reinforced bend restrictor.
- Flexzilla® Hi-VIS color makes hose more visible in the workplace.
- 1/4" MNPT fittings.

ZillaWhip™ Air Hose Assembly Features

- Easy to use and increased longevity of the main hose.
- Reduces user fatigue by eliminating weight of coupler/plug.
- 1/4" MNPT Ball Swivel (2' only) increases mobility in tight work spaces.
- Engineered hybrid polymer air hose.
- Superior flexibility even in freezing temperatures.
- 300 psi maximum working pressure at 70°F.
- Excellent abrasion resistance.
- Reinforced bend restrictor.
- Temperature range: -40° to 140°.



No.	Description	Qty
86822	Flexzilla 3/8" X 25' with 1/4" MNPT	1
86824	Flexzilla 3/8" X 50' with 1/4" MNPT	1
86826	Flexzilla 3/8" X 100' with 1/4" MNPT	1
86820	ZillaWhip 3/8" X 2' w/ 1/4" MNPT Ends and Bend Restrictors	1



6.2 HOSE

Heavy Duty Industrial Air & Water Hose & Hose Assemblies



Tube: Black EPDM
Cover: Red EPDM
Reinforcement: Spiral Synthetic Yarn
Temp. Range: -40°F to +212°F

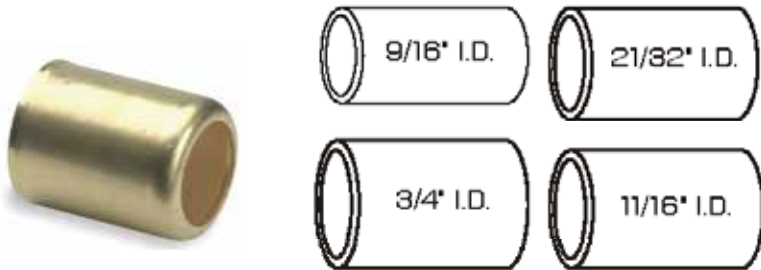
This is an economical and versatile general purpose hose. Excellent for air and water service it can also be used for agricultural spray, air tools and general service. It's EPDM tube and cover resists heat, sunlight, ozone, aging and weather. It is lightweight and flexible at temperatures from -40°F to +212°F. It is tough and highly resistant to oil and grease. Both hose and assemblies have a maximum working pressure at 70°F of 300 lbs and a maximum burst pressure of 1200 lbs.

Hose is available by the foot without fittings, or as an assembly in either 25 or 50 foot lengths with male fittings on each end. The assemblies also have vinyl guard bend restrictors and are 100% guaranteed for 2 full years against defects in material and workmanship.

No.	I.D.	O.D.	Color	Max. Working Pressure psi	Max. Burst Pressure psi	Unit Qty
86804	1/4	17/32	Red	300	1200	25'
86806	1/4	17/32	Red	300	1200	50'
86808	3/8	23/32	Red	300	1200	25'
86810	3/8	23/32	Red	300	1200	50'

Brass Ferrules

Use with standard hose barb fittings to make perfect connections to hose. Select ferrule I.D. dimension to closely match your hose O.D.



No.	Ferrule	Qty
86900	.560	1
86902	.600	1
86904	.656	1
86906	.690	1
86908	.725	1
86910	.750	1

Hose Ferrule Crimping Tool

Features

- Provides production capability for crimping ferrules on standard hose.
- Gives "big tool" crimping advantages at just a fraction of the cost.
- Comes with 5 dies to crimp 1/4-1 braid to 3/8 - 2 braid.
- Die I.D. Sizes: 0.63, 0.58, 0.53, 0.48, 0.68.
- Rugged Construction – high strength ductile iron casting.
- Self-contained – all dies in one place, ready for use.
- Portable – can be carried to the job or mounted on a workbench.
- One-hand operation – positive camming action allows for good leverage at end of lever stroke.



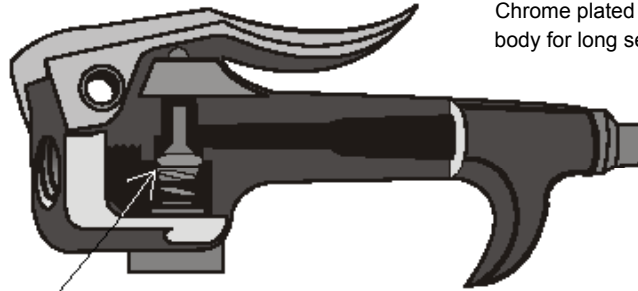
No.	Description	Qty
86628	Hose Crimper	1



6.3 AIR LINE ACCESSORIES

Compressed Air Line Blow Guns

All brass internal parts
for rust free operation



Chrome plated zinc cast
body for long service life

3 "O" Rings for
leakproof operation

Bottom mounted nut
allows for field repair

All are non-corrosive, leak resistant, lightweight and designed to fit comfortably in the user's hand. All models have 1/4 female NPT inlet thread and 1/8 NPT outlet thread.

Features

- Precision machined chrome plated castings.
- All brass internal parts.

WARNING: The blow guns featured here do not have a safety by-pass to prevent build up of tip pressure in the event of tip blockage. They may be used for general cleaning purposes only if the air supply (inlet pressure) has been reduced to 30 PSI or less.



Compressed Air Line Blow Guns

Standard Rugged Blow Gun

Features

- Fits comfortably in the user's hand.
- Standard Non-Safety Nickel Plated Brass.
- Temperature Range: -20°F-+175°F
- Pressure Rating: 150 PSI Inlet.
- Features a hang-up hook.

Rubber Tipped Blow Gun

Features

- Provides leak proof seal between gun and fluid line or other opening.
- Excellent for cleaning molds or delicate surfaces where a metal tip might scratch or otherwise harm critical areas.
- Features a hang up hook.
- Includes both safety nozzle and rubber nozzle.
- Rubber tip offers 12.9 SCFM @100 PSI.
- Safety tip offers 11.7 SCFM @ 100 PSI.
- Maximum working pressure of 150 PSI.



No.	Description	Qty
86606	Standard Rugged Blow Gun	1
86608	Rubber Tipped Blow Gun	1

*SCFM = standard cubic feet per minute.



6.3 AIR LINE ACCESSORIES

45° Angle Blow Gun

Features

- Rubber tip blow gun for use where leak-proof connection is required when blowing out fluid lines in automatic transmissions.
- A must where metal tips could mar delicate finish in molds or painted surfaces.
- Maximum working pressure: 150 PSI.
- SCFM: 11.4 at 100 PSI.
- Separate Rubber Tip (Not Included).



No.	Description	Qty
86616	Heavy Duty Angle Blow Gun	1

Rubber Tip

Features

- Will not scratch delicate surfaces.
- Fits No. 86608 and 86616 gun.



No.	Description	Qty
86610	Rubber Tip	1

In-Line Blow Gun

Features

- Allows quick access.
- Includes rubber safety tip.
- 1/4" NPT threads.



No.	Description	Qty
86630	In-Line Blow Gun	1

Typhoon Blow Guns

Features

- Variable flow trigger.
- 1/4 NPT: 34 CFM at 125 PSI; 2.1 lbs. of thrust.
- 3/8 NPT: 51 CFM at 125 PSI; 3.1 lbs. of thrust.
- Ideal for heavy duty clean-up and blowoff.
- Meets or exceeds OSHA standards.
- Lightweight and ergonomic.



1/4" NPT with High Flow Tip



3/8" NPT with Multi-Jet Tip

No.	Description	Qty
86632	Typhoon 1/4" NPT High Volume Blow Gun with High Flow Tip	1
86634	Typhoon 3/8" NPT High Volume Blow Gun with Multi-Jet and High Flow Tip	1
86636	12" Extension for Typhoon Blow Guns	1
86638	24" Extension for Typhoon Blow Guns	1
86640	36" Extension for Typhoon Blow Guns	1

Extensions



6.3 AIR LINE ACCESSORIES

Inflator Gauge Dual Head Chuck



Features

- Heavy, chrome plated castings with protective vinyl sleeve over dial tube.
- All brass internal parts.
- Plated steel is riveted to body—will not come off.
- Solid brass triangle dial with extra large markings can be read easily from any angle.
- Valve and dial units easily replaced in the field.
- Calibrated 10 - 160 PSI in 2 PSI increments.
- 15" hose with swivel dual-foot chuck.

No.	Description	Qty
86602	Inflator Gauge	1

Air Line Chuck

Features

- Ball foot chuck with clip.
- 1/4 NPT female.
- Live air line only.



No.	Description	Qty
86604	Air Line Chuck	1

Swivel Fitting

Features

- 1/4".
- 360° turning.
- Swivels



No.	Description	Qty
87404	Swivel Fitting	5

3 in 1 Manifolds

Features

- Strong, lightweight machined aluminum construction.
- Each manifold accepts 3 outlet hoses or couplers.
- Supply 3 air operated tools from a single supply hose.
- Mount to pipe at workbench or overhead.
- Mount 3 different style couplers on one manifold.



No.	Inlet Thread	Outlet Thread	Qty
86618	1/4 NPT	1/4 NPT	1
86620	3/8 NPT	1/4 NPT	1

Dual Head Angle Chuck

Features

- For inner dual wheels with tilted valves.
- Has 6" extension.
- 1/4" NPT female thread.
- Maximum air pressure: 150 PSI.
- Sealing type chuck is close and is for use on an airline.
- Not for use with an inflator gauge.



No.	Description	Qty
86600	Angle Chuck	1

