

SCHEDULE 40 MALLEABLE IRON PIPE FITTINGS

SCHEDULE 40 BLACK & GALVANIZED MALLEABLE IRON PIPE FITTINGS

Use for piping systems. For air, gas, oil, water, steam, boilers, trucks, solvents, hydraulics and odd jobs.

- Made in U.S.A.
- 150 lbs. continuous pressure rating.
- Chamfered threads for easier assembly.
- Meets schedule 40 specifications.

Federal Specifications:

Elbows, tees and reducers: WW-P-521
Caps, plugs and bushings: WW-P-471
Unions: WW-U-531

American Standard Specifications:

ANSI B16.3

Malleable Iron Pipe Fitting Assortment							
Part No. 501468							
391 pieces • 54 items							
Sizes 1/8 thru 1"							
80 bin compartment combination cabinet							
(2)	#12021	40 bins					
330100	330138	330163	330221				
330101	330139	330165	330223				
330102	330140	330172	330231				
330103	330141	330173	330233				
330104	330145	330174	330240				
330105	330146	330176	330242				
330109	330147	330179	330249				
330110	330148	330181	330251				
330111	330149	330212	330259				
330112	330150	330213	330260				
330113	330154	330214	330267				
330114	330156	330215	330268				
330136	330158	330216					
330137	330159	330217					
Assortment photo for illustration purposes only. Actual contents may vary.							
Numbers in assortment							

Malleable Iron Pipe Fitting Steel Tray Assortment							
Part No. 501467							
57 pieces • 24 items							
12017 steel tray							
330100	330119	330145	330157	330213			
330101	330127	330146	330158	330221			
330109	330128	330154	330174	330222			
330110	330136	330155	330209	330231			
330118	330137	330156	330212				
Numbers in assortment							

PIPE NIPPLES ON NEXT PAGE

GROUND JOINT UNIONS



PART NUMBER	PART NUMBER	SIZE
BLACK	GALVANIZED	(INCHES)
330187	330387	1/8
330188	330388	1/4
330189	330389	3/8
330190	330390	1/2
330191	330391	3/4
330192	330392	1
330193	330393	1-1/4
330194	330394	1-1/2
330195	330395	2

90° ELBOWS



PART NUMBER	PART NUMBER	SIZE
BLACK	GALVANIZED	(INCHES)
330100	330300	1/8
330101	330301	1/4
330102	330302	3/8
330103	330303	1/2
330104	330304	3/4
330105	330305	1
330106	330306	1-1/4
330107	330307	1-1/2
330108	330308	2

90° STREET ELBOWS



PART NUMBER	PART NUMBER	SIZE
BLACK	GALVANIZED	(INCHES)
330109	330309	1/8
330110	330310	1/4
330111	330311	3/8
330112	330312	1/2
330113	330313	3/4
330114	330314	1
330115	330315	1-1/4
330116	330316	1-1/2
330117	330317	2

SQUARE HEAD PLUGS



*Steel

PART NUMBER	PART NUMBER	SIZE
BLACK	GALVANIZED	(INCHES)
330212	330412	1/8*
330213	330413	1/4*
330214	330414	3/8*
330215	330415	1/2
330216	330416	3/4
330217	330417	1
330218	330418	1-1/4
330219	330419	1-1/2
330220	330420	2

CAPS



*Steel

PART NUMBER	PART NUMBER	SIZE
BLACK	GALVANIZED	(INCHES)
330196	330396	1/8*
330197	330397	1/4*
330198	330398	3/8*
330199	330399	1/2
330200	330400	3/4
330201	330401	1
330202	330402	1-1/4
330203	330403	1-1/2
330204	330404	2

STREET TEES



(Black)

REDUCERS



(Black)

ALLOY STEEL SOCKET HEAD PLUGS



(Black)

PART NUMBER	PART NUMBER	SIZE
BLACK	GALVANIZED	(INCHES)
330205	330385	1/8
330206	330386	1/4
330207	330387	3/8
330208	330388	1/2

HEX BUSHINGS



*Steel

PART NUMBER	PART NUMBER	SIZE
BLACK	GALVANIZED	(INCHES)
330154	330354	1/4 x 1/8*
330155	330355	3/8 x 1/8*
330156	330356	3/8 x 1/4*
330157	330357	1/2 x 1/8*
330158	330358	1/2 x 1/4*
330159	330359	1/2 x 3/8*
330160	330360	3/4 x 1/8
330161	330361	3/4 x 1/4
330162	330362	3/4 x 3/8
330163	330363	3/4 x 1/2
330164	330364	1 x 1/2
330165	330365	1 x 3/4
330166	330366	1-1/4 x 3/4
330167	330367	1-1/4 x 1
330168	330368	1-1/2 x 3/4
330169	330369	1-1/2 x 1
330170	330370	1-1/2 x 1-1/4
330171	330371	2 x 1-1/2

SCHEDULE 40 & 80 MALLEABLE IRON PIPE FITTINGS**SCHEDULE 40 BLACK & GALVANIZED MALLEABLE IRON PIPE FITTINGS****PIPE NIPPLES**

- Welded steel.
- Federal specifications WWP-404D
- ASTM spec A-53F.

PART NUMBER	SIZE M x F BLACK GALVANIZED (INCHES)
330221	330421 1/8 x Close
330222	330422 1/8 x 1-1/2
330223	330423 1/8 x 2
330224	330424 1/8 x 2-1/2
330225	330425 1/8 x 3
330226	330426 1/8 x 3-1/2
330227	330427 1/8 x 4
330228	330428 1/8 x 4-1/2
330229	330429 1/8 x 5
330230	330430 1/8 x 5-1/2
330231	330431 1/4 x Close
330232	330432 1/4 x 1-1/2
330233	330433 1/4 x 2
330234	330434 1/4 x 2-1/2

PART NUMBER	SIZE M x F BLACK GALVANIZED (INCHES)
330235	330435 1/4 x 3
330236	330436 1/4 x 3-1/2
330237	330437 1/4 x 4
330238	330438 1/4 x 5
330239	330439 1/4 x 6
330240	330440 3/8 x Close
330241	330441 3/8 x 1-1/2
330242	330442 3/8 x 2
330243	330443 3/8 x 2-1/2
330244	330444 3/8 x 3
330245	330445 3/8 x 3-1/2
330246	330446 3/8 x 4
330247	330447 3/8 x 5
330248	330448 3/8 x 6

**PART NUMBER
BLACK GALVANIZED
(INCHES)**

330249	330449 1/2 x Close
330250	330450 1/2 x 1-1/2
330251	330451 1/2 x 2
330252	330451 1/2 x 2-1/2
330253	330453 1/2 x 3
330254	330454 1/2 x 3-1/2
330255	330455 1/2 x 4
330256	330456 1/2 x 4-1/2
330257	330457 1/2 x 5
330258	330458 1/2 x 6
330259	330459 3/4 x Close
330260	330460 3/4 x 2
330261	330461 3/4 x 2-1/2
330262	330462 3/4 x 3
330263	330463 3/4 x 3-1/2
330264	330464 3/4 x 4
330265	330465 3/4 x 5
330266	330466 3/4 x 6
330267	330467 1 x Close
330268	330468 1 x 2

**PART NUMBER
BLACK GALVANIZED
(INCHES)**

330269	330469 1 x 3
330270	330470 1 x 4
330271	330471 1 x 5
330272	330472 1 x 6
330273	330473 1-1/4 x Close
330274	330474 1-1/4 x 3
330275	330475 1-1/4 x 4
330276	330476 1-1/4 x 5
330277	330477 1-1/4 x 6
330278	330478 1-1/2 x Close
330279	330479 1-1/2 x 3
330280	330480 1-1/2 x 4
330281	330481 1-1/2 x 5
330282	330482 1-1/2 x 6
330283	330483 2 x Close
330284	330484 2 x 3
330285	330485 2 x 4
330286	330486 2 x 5
330287	330487 2 x 6

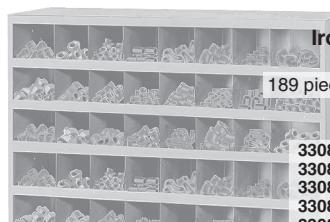
SCHEDULE 80 BLACK MALLEABLE IRON PIPE FITTINGS

Use for piping systems. For air, gas, oil, water, steam, boilers, trucks, solvents, hydraulics and odd jobs.

- Made in U.S.A.
- 300 lbs. continuous pressure rating.
- Chamfered threads for easier assembly.
- Meets schedule 80 specifications.

American Standard Specifications:

ANSI B16.3 and B16.39 unions



Schedule 80 Malleable Iron Pipe Fitting Assortment
Part No. 501727

189 pieces • 39 items • Sizes 1/4 thru 1"
40 bin cabinet #12021

330800	330830	330859	330913
330801	330831	330861	330922
330802	330832	330864	330924
330803	330833	330866	330933
330804	330834	330888	330935
330808	330838	330889	330944
330809	330839	330890	330946
330810	330840	330891	330955
330811	330841	330892	330956
330812	330842	330911	

Assortment photo for illustration purposes only.
Actual contents may vary.

Numbers in assortment



Malleable Iron Pipe Fitting Steel Tray Assortment
Part No. 501728

48 pieces • 18 items
12071 steel tray

330800	330830	330859	330888	330922
330801	330831	330861	330889	330924
330808	330838	330880	330911	
330809	330839	330881	330913	

Numbers in assortment

90° ELBOWS**PART NUMBER
SIZE
(INCHES)**

330800	1/4
330801	3/8
330802	1/2
330803	3/4
330804	1
330805	1-1/4
330806	1-1/2
330807	2

90° STREET ELBOWS**PART NUMBER
SIZE
(INCHES)**

330808	1/4
330809	3/8
330810	1/2
330811	3/4
330812	1
330813	1-1/4
330814	1-1/2
330815	2

45° ELBOWS**PART NUMBER
SIZE
(INCHES)**

330816	1/4
330817	3/8
330818	1/2
330819	3/4
330820	1
330821	1-1/4
330822	1-1/2
330823	2

45° STREET ELBOWS**PART NUMBER
SIZE
(INCHES)**

330824	1/2
330825	3/4
330826	1
330827	1-1/4
330828	1-1/2
330829	2

TEES**PART NUMBER
SIZE
(INCHES)**

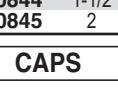
330838	1/4
330839	3/8
330840	1/2
330841	3/4
330842	1
330843	1-1/4
330844	1-1/2
330845	2

SQUARE HEAD PLUGS

Forged Steel

**PART NUMBER
SIZE
(INCHES)**

330888	1/4
330889	3/8
330890	1/2
330891	3/4
330892	1
330893	1-1/4
330894	1-1/2
330895	2

CAPS**PART NUMBER
SIZE
(INCHES)**

330872	1/4
330873	3/8
330874	1/2
330875	3/4
330876	1
330877	1-1/4
330878	1-1/2
330879	2

© Copyright 2021. All rights reserved.

No portion may be copied or reproduced in any manner.

SCHEDULE 80 & 304 STAINLESS STEEL PIPE FITTINGS

SCHEDULE 80 BLACK MALLEABLE IRON PIPE FITTINGS

HEX BUSHINGS		REDUCERS		PIPE NIPPLES	
Forged Steel					
PART NUMBER	SIZE (INCHES)	PART NUMBER	SIZE (INCHES)	PART NUMBER	SIZE (INCHES)
330846	1/2 x 1/4	330859	3/8 x 1/4	330942	1/2 x 5-1/2
330847	1/2 x 3/8	330860	1/2 x 1/4	330943	1/2 x 6
330848	3/4 x 1/4	330861	1/2 x 3/8	330919	1/4 x 5
330849	3/4 x 3/8	330862	3/4 x 1/4	330920	1/4 x 5-1/2
330850	3/4 x 1/2	330863	3/4 x 3/8	330921	1/4 x 6
330851	1 x 1/2	330864	3/4 x 1/2	330922	3/8 x Close
330852	1 x 3/4	330865	1 x 1/2	330923	3/8 x 1-1/2
330853	1-1/4 x 3/4	330866	1 x 3/4	330924	3/8 x 2
330854	1-1/4 x 1	330867	1-1/4 x 3/4	330925	3/8 x 2-1/2
330855	1-1/2 x 3/4	330868	1-1/4 x 1	330926	3/8 x 3
330856	1-1/2 x 1	330869	1-1/2 x 1-1/4	330927	3/8 x 3-1/2
330857	1-1/2 x 1-1/4	330870	2 x 1-1/4	330928	3/8 x 4
330858	2 x 1-1/2	330871	2 x 1-1/2	330929	3/8 x 4-1/2
				330930	3/8 x 5
				330931	3/8 x 5-1/2
				330932	3/8 x 6
				330933	1/2 x Close
				330934	1/2 x 1-1/2
				330935	1/2 x 2
				330936	1/2 x 2-1/2
				330937	1/2 x 3
				330938	1/2 x 3-1/2
				330939	1/2 x 4
				330940	1/2 x 4-1/2
				330941	1/2 x 5

304 STAINLESS STEEL PIPE FITTINGS

Use for piping systems. For air, gas, oil, water, steam, boilers, trucks, solvents, hydraulics and odd jobs.

- 150 lbs. continuous pressure rating.
- Chamfered threads for easier assembly.
- Screw Type.

American Standard Specifications:

ASTM-A351

304 Stainless Steel Pipe Fitting Assortment Part No. 501694					
169 pieces • 54 items • Sizes 1/8 thru 1"					
80 bin compartment combination cabinet (2) #12021 40 bins					
330500	330514	330549	330576	330631	
330501	330536	330550	330579	330633	
330502	330537	330554	330581	330640	
330503	330538	330556	330612	330642	
330504	330539	330558	330613	330649	
330505	330540	330559	330614	330651	
330509	330541	330563	330615	330659	
330510	330545	330565	330616	330660	
330511	330546	330572	330617	330667	
330512	330547	330573	330621	330668	
330513	330548	330574	330623		
Assortment photo for illustration purposes only. Actual contents may vary.					
Numbers in assortment					

304 Stainless Steel Pipe Fitting Steel Tray Assortment Part No. 501693					
54 pieces • 22 items 12017 steel tray					
330500	330519	330554	330572	330622	
330501	330536	330555	330574	330631	
330509	330537	330556	330612		
330510	330545	330558	330613		
330518	330546	330559	330621		
Numbers in assortment					

90° ELBOWS



90° STREET ELBOWS



45° ELBOWS



CAPS



TEES



COUPLINGS



PART NUMBER SIZE (INCHES)

330509	1/8
330510	1/4
330502	3/8
330503	1/2
330504	3/4
330505	1
330506	1-1/4
330507	1-1/2
330508	2

PART NUMBER SIZE (INCHES)

330596	1/8
330597	1/4
330598	3/8
330599	1/2
330600	3/4
330601	1
330602	1-1/4
330603	1-1/2
330604	2

PART NUMBER SIZE (INCHES)

330545	1/8
330546	1/4
330547	3/8
330548	1/2
330549	3/4
330550	1
330551	1-1/4
330552	1-1/2
330553	2

304 STAINLESS STEEL PIPE FITTINGS

304 STAINLESS STEEL PIPE FITTINGS

PIPE NIPPLES		HEX BUSHINGS		REDUCERS		SQUARE HEAD PLUGS	
	● 304 stainless steel. ● Material conforms to ASTM-A312-83.	● Threading conforms to USAS-B12.1-1968. ● 150 lbs. rated.					
PART NUMBER	SIZE (INCHES)	PART NUMBER	SIZE (INCHES)	PART NUMBER	SIZE (INCHES)	PART NUMBER	SIZE (INCHES)
330621	1/8 x Close	330642	3/8 x 2	330663	3/4 x 3-1/2	330554	1/4 x 1/8
330622	1/8 x 1-1/2	330643	3/8 x 2-1/2	330664	3/4 x 4	330555	3/8 x 1/8
330623	1/8 x 2	330644	3/8 x 3	330665	3/4 x 5	330556	3/8 x 1/4
330624	1/8 x 2-1/2	330645	3/8 x 3-1/2	330666	3/4 x 6	330558	1/2 x 1/4
330625	1/8 x 3	330646	3/8 x 4	330667	1 x Close	330559	1/2 x 3/8
330626	1/8 x 3-1/2	330647	3/8 x 5	330668	1 x 2	330560	3/4 x 1/8
330627	1/8 x 4	330648	3/8 x 6	330669	1 x 3	330561	3/4 x 1/4
330628	1/8 x 4-1/2	330649	1/2 x Close	330670	1 x 4	330562	3/4 x 3/8
330629	1/8 x 5	330650	1/2 x 1-1/2	330671	1 x 5	330563	3/4 x 1/2
330630	1/8 x 5-1/2	330651	1/2 x 2	330672	1 x 6	330564	1 x 1/2
330631	1/4 x Close	330652	1/2 x 2-1/2	330673	1-1/4 x Close	330565	1 x 3/4
330632	1/4 x 1-1/2	330653	1/2 x 3	330674	1-1/4 x 3	330566	1-1/4 x 3/4
330633	1/4 x 2	330654	1/2 x 3-1/2	330675	1-1/4 x 4	330567	1-1/4 x 1
330634	1/4 x 2-1/2	330655	1/2 x 4	330676	1-1/4 x 5	330568	1-1/2 x 3/4
330635	1/4 x 3	330656	1/2 x 4-1/2	330677	1-1/4 x 6	330569	1-1/2 x 1
330636	1/4 x 3-1/2	330657	1/2 x 5	330678	1-1/2 x Close	330570	1-1/2 x 1-1/4
330637	1/4 x 4	330658	1/2 x 6	330679	1-1/2 x 3	330571	2 x 1-1/2
330638	1/4 x 5	330659	3/4 x Close	330680	1-1/2 x 4		
330639	1/4 x 6	330660	3/4 x 2	330681	1-1/2 x 5		
330640	3/8 x Close	330661	3/4 x 2-1/2	330682	1-1/2 x 6		
330641	3/8 x 1-1/2	330662	3/4 x 3	330683	2 x Close		
				330684	2 x 3		
				330685	2 x 4		
				330686	2 x 5		
				330687	2 x 6		

GROUND JOINT UNIONS



SOCKET HEAD PLUG



PART NUMBER	SIZE (INCHES)
330587	1/8
330588	1/4
330589	3/8
330590	1/2
330591	3/4
330592	1
330593	1-1/4
330594	1-1/2
330595	2
330605	1/8
330606	1/4
330607	3/8
330608	1/2

COPPER SWEAT FITTINGS

COPPER SWEAT FITTINGS

NPT (National Pipe Thread)

- Manufactured from high quality copper.
- Meets ANSI B-16.22 specifications.
- Pressure ratings equal to copper tubing, chamfered edges.

FLUSH BUSHINGS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360375	1/4x1/8	5
4360380	3/8x1/8	5
4360385	3/8x1/4	5
4360395	1/2x1/4	5
4360400	1/2x3/8	5
4360405	3/4x3/8	5
4360410	3/4x1/2	2
4360415	1x3/8	2
4360420	1x1/2	2
4360425	1x3/4	2

REDUCER BUSHINGS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360411	3/4x1/2	5
4360426	1x3/4	2
4360441	1-1/4x1	2
4360460	1-1/2x1-1/4	2
4360466	2x3/4	1
4360471	2x1	1
4360476	2x1-1/4	1
4360478	2x1-1/2	1

CAPS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360548	1/8	10
4360550	1/4	10
4360555	3/8	10
4360560	1/2	25
4360565	3/4	10
4360570	1	5
4360575	1-1/4	5
4360580	1-1/2	2
4360585	2	1

FEMALE TEES



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4362160	1/2	2
4362165	3/4	1
4362170	1	1

MALE ADAPTERS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360140	1/8	2
4360145	1/4	2
4360150	3/8	5
4360155	1/2	5
4360160	3/4	5
4360165	1	2
4360170	1-1/4	1
4360175	1-1/2	1
4360180	2	1

90° FITTING ELBOWS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4361245	3/8	5
4361250	1/2	5
4361255	3/4	5
4361260	1	1
4361265	1-1/4	1
4361270	1-1/2	1
4361275	2	1

90° ELBOWS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4361040	1/4	5
4361045	3/8	5
4361050	1/2	10
4361055	3/4	5
4361060	1	2
4361065	1-1/4	1
4361070	1-1/2	1
4361075	2	1

MALE FITTING ADAPTERS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360335	3/8	2
4360340	1/2	2
4360345	3/4	2
4360350	1	1
4360355	1-1/4	1
4360360	1-1/2	1
4360365	2	1

45° FITTING ELBOWS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360990	3/8	2
4361000	1/2	5
4361005	3/4	5
4361010	1	1
4361015	1-1/4	1
4361020	1-1/2	1
4361025	2	1

45° ELBOWS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360935	1/4	2
4360940	3/8	2
4360945	1/2	5
4360950	3/4	5
4360955	1	1
4360960	1-1/4	1
4360965	1-1/2	1
4360970	2	1

FEMALE FITTING ADAPTERS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360295	3/8	2
4360300	1/2	2
4360305	3/4	2
4360310	1	1
4360315	1-1/4	1
4360320	1-1/2	1
4360325	2	1

UNIONS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4361675	1/8	2
4361680	1/4	2
4361685	3/8	5
4361690	1/2	10
4361760	1/2x1/2x3/8	2
4361761	1/2x1/2x3/4	2
4361695	3/4	5
4361780	3/4x1/2x1/2	5
4361785	3/4x1/2x3/4	5
4361788	3/4x3/4x3/8	5
4361790	3/4x3x4x1/2	5
4361790	1	1
4361795	1x1/2x1/2	1
4361800	1x1/2x3/4	1
4361802	1x1/2x1	1
4361810	1x3/4x1/2	1
4361820	1x3/4x1	1
4361830	1x1x1/2	1
4361835	1x1x3/4	1
4361705	1-1/4	1
4361895	1-1/4x1-1/4x3/4	1
4361900	1-1/4x1-1/4x1	1
4361710	1-1/2	1
4361715	2	1

STRAPS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4250160	3/8	25
4250165	1/2	25
4250173	3/4	25
4250175	1	25

PLUGS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4361585	3/8	1
4361590	1/2	1
4361595	3/4	1

VALVES

BALL VALVES - BRONZE

For water, oil or gaslines in mines, factories, apartment complexes, farms, hospitals, nursing homes, hotels, office buildings, prisons.

- 2-piece, bronze construction.
- Hard chrome plated ball - for smooth operation.
- Durafill seats (80%PTFE, 10% glass fiber, 10% carbon/graphite mix) provide positive seal & durability.
- Bottom loaded stem & packing nut threaded to body - provide extra margin of safety.
- 600 PSI water, oil & gas, 150 PSI steam.
- Vinyl coated handle - protects hand in high temperature application.
- Female pipe thread - NPTF.



PART NUMBER	NPTF (INCHES)
508370	1/4-18
508371	3/8-18
508372	1/2-14
508373	3/4-14
508374	1-11-1/2
508364	1-1/4-11-1/2
508365	1-1/2-11-1/2
508366	2-11-1/2
508367	2-1/2-8
508368	3-8
508369	4-8

BALL VALVES - BRASS

For use as fuel line shutoffs for gasoline and diesel powered over the highway, off highway, and construction equipment vehicles. Water and air service lines on capital equipment and plant design plumbing that require total shutoff capability.

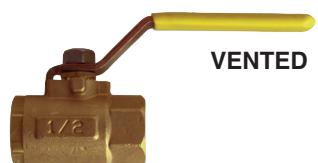
- Forged brass bodies.
- PTFE seats and seals, provide resistance to chemical corrosion.
- Blow-out proof stem.
- Chrome plated brass ball.
- Specially designed handle for increased turning leverage for ease of opening and closing.
- Female pipe thread NPT.
- 600 PSI water, oil & gas, 150 PSI steam.
- 400°F.
- Vacuum, 29 inches of mercury.
- Vented up to 250 P.S.I. for vented valves.
- Locking handles use a 5/16" diameter shackle padlock.

UNVENTED



PART NUMBER	WITHOUT LOCKING HANDLE	WITH LOCKING HANDLE	PIPE THREAD SIZE (NPTF) (INCHES)
508750	508763	1/4-18	
508751	508764	3/8-18	
508752	508765	1/2-14	
508753	508766	3/4-14	
508754	508767	1-11-1/2	
508755	508768	1-1/4-11-1/2	
508756	508769	1-1/2-11-1/2	
508757	508770	2-11-1/2	

VENTED



PART NUMBER	WITHOUT LOCKING HANDLE	WITH LOCKING HANDLE	PIPE THREAD SIZE (NPTF) (INCHES)
508758	508771	1/4-18	
508759	508772	3/8-18	
508760	508773	1/2-14	
508761	508774	3/4-14	
508762	508775	1-11-1/2	

FULL PORT BALL VALVES - BRASS

For use as shutoffs for highway, off highway, and construction equipment vehicles. Water and air service lines on capital equipment and plant design plumbing that require total shutoff capability.

- Forged brass.
- Full follow design assures maximum system efficiency.
- PTFE seats provides resistance to chemical corrosion.
- Two Viton o-rings at the stem provide maximum safety with no maintenance.
- Blow-out proof system.
- Chrome plated brass ball.
- Specifically designed handle enables increased turning leverage for ease of opening and closing.
- Female pipe thread (NPTF) ports.
- 600 PSI, saturated steam 150 PSI.
- 0°F - 350°F.
- Vacuum, 29 inches of mercury.

PART NUMBER	PIPE THREAD SIZE (NPTF)
508776	1/4-18
508777	3/8-18
508778	1/2-14
508779	3/4-14*
508780	1-11-5*
508781	1-1/4-11-5
508782	1-1/2-11-5
508783	2-11-5

*UL® listed

UL® BALL VALVES - BRASS

These are hand operated ball valves, intended for use as a gas line service valve suitable for flammable liquids (YRBX), LP gas (YSDT), and compressed gas (YQNZ).

- Forged brass construction.
- Handles stamped UL® and 250 P.S.I.G.

- 250 P.S.I.G. maximum working pressure.



PART NUMBER	PIPE THREAD SIZE (NPTF)
508784	1/4-18
508785	3/8-18
508786	1/2-14
508787	3/4-14
508788	1-11-5

MINI BALL VALVES - BRASS

For use on water and air service lines on capital equipment and plant design plumbing that requires total shutoff capability.

- Ideal for confined and hard-to-reach applications.
- Chrome plated extruded brass construction.
- Blow-out proof stem.
- Hard chrome plate ball.
- PTFE seats.
- Viton stem seals.
- Temperature range 0°F to 200°F.
- Working pressure 450 P.S.I. max. depending on temperature being used.
- Female pipe threads - NPTF.



GATE VALVES - BRONZE

- Heavy duty bronze construction.
- Stem and packing nut made from brass rod.
- Cast iron handles.
- Valves are air-tested in open and closed position under water to insure leakproof casting and tight closure.
- Female pipe threads.
- Used for cold water, oil & gas.
- 200 P.S.I. water, oil & gas, 125 P.S.I. steam.



PART NUMBER	NPTF SIZE (INCHES)
508354	3/8-18
508355	1/2-14
508362	3/4-14
508363	1-11-1/2

HOSE CLAMPS

PSS100218

STANDARD HOSE CLAMPS

All popular applications covered. Exceeds SAE J1508.

INTERLOCKED CONSTRUCTION

One-piece housing locks directly into band. Strengthens under tension for maximum torque application. No spot welds to rupture or corrode.

STAINLESS STEEL BAND

SAE 301 (18-8) series stainless steel band and housing for maximum corrosion protection.

WORM DRIVE

For tight, quick sealing.

SLOTTED HEX SCREW

SAE 1018 steel, case hardened, zinc plated, chromate dipped. Extra-long head for non-interference tightening. Use screwdriver, wrench, or nutdriver to tighten or loosen. 5/16 hex head.



Full 1/2 inch Wide Band

PSS100218

100% STAINLESS STEEL HOSE CLAMPS

All popular applications covered. Complete corrosion resistance.

STAINLESS STEEL BAND

SAE 301 (18-8) series stainless steel band and housing for maximum corrosion protection.

ROUNDED EDGES

Prevent cutting into hose.

WORM DRIVE

For tight, quick sealing. Extra-long head for non-interference tightening.

SLOTTED HEX SCREW

SAE 305 stainless steel. Use screwdriver, wrench, or nutdriver to tighten or loosen. 5/16 hex head.

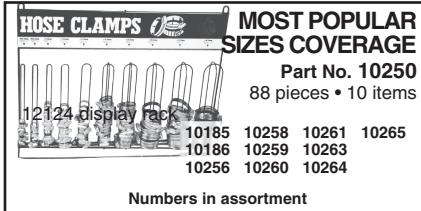
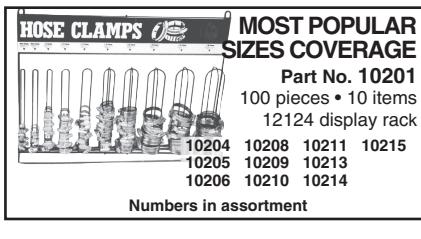


Full 1/2 inch Wide Band

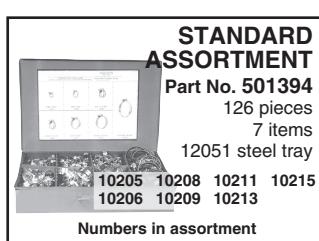
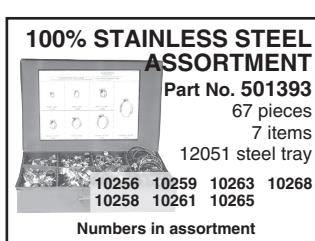
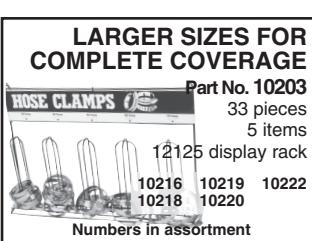
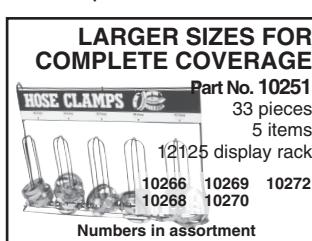
PART NUMBER	SAE SIZE	FITS HOSE ID FROM	TO	QTY
10205*	04	3/16	5/16	50
10206*	06	1/4	3/8	50
10204	06	5/16	3/8	50
10207	08	5/16	1/2	50
10208	10	3/8	5/8	50
10209	12	5/8	3/4	50
10210	16	3/4	1	50
10211	20	1	1-1/4	50
10212	24	1-1/4	1-1/2	50
10213	28	1-1/4	1-3/4	50
10214	32	1-1/2	2	50
10215	36	1-3/4	2-1/4	50
10216	40	2	2-1/2	24
10217	44	2-1/4	2-3/4	24
10218	48	2-1/2	3	24
10219	52	3	3-1/4	24
10220	56	3-1/4	3-1/2	24
10221	64	3-3/4	4	24
10222	72	4	4-1/2	24
10224	80	4-1/2	5	10
10225	88	5	5-1/2	10
10226	96	5-1/2	6	10
10223	104	6	6-1/2	10
10227	128	7	8	5
10228	152	8	9-1/2	5
10229	188	10-1/2	11-1/2	5

*Mini Clamp - 5/16" wide band

- ASSORTMENTS AVAILABLE -



PART NUMBER	SAE SIZE	FITS HOSE ID FROM	TO	QTY
10256	06	1/4	3/8	24
10257	08	5/16	1/2	12
10258	10	3/8	5/8	24
10259	12	5/8	3/4	24
10260	16	3/4	1	12
10261	20	1	1-1/4	24
10262	24	1-1/4	1-1/2	12
10263	28	1-1/4	1-3/4	24
10264	32	1-1/2	2	12
10265	36	1-3/4	2-1/4	12
10266	40	2	2-1/2	6
10267	44	2-1/4	2-3/4	6
10268	48	2-1/2	3	12
10269	52	3	3-1/4	6
10270	56	3-1/4	3-1/2	6
10271	64	3-3/4	4	12
10272	72	4	4-1/2	6
10273	80	4-1/2	5	6
10274	88	5	5-1/2	6
10275	96	5-1/2	6	6
10276	104	6	6-1/2	6
10277	116	6-1/2	7	6
10278	128	7	8	5
10279	152	8	9-1/2	5
10280	188	10-1/2	11-1/2	5



HOSE CLAMPS

100% STAINLESS STEEL MICRO CLAMPS

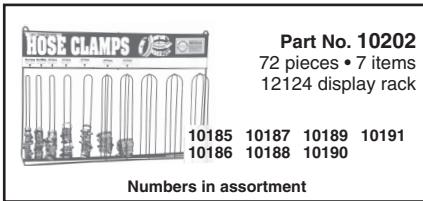
Narrow and compact for easy installation in tight locations.

- 5/16" band width.
- 410 stainless steel 1/4" hex head screw.
- 301 stainless steel housing and band.



PSS100218

PART NUMBER	SAE SIZE	FITS HOSE ID FROM	TO	QTY
10185	004	3/16	5/16	10
10186	006	1/4	3/8	10
10187	008	5/16	1/2	10
10188	010	3/8	5/8	10
10189	012	5/8	3/4	10
10190	016	3/4	1	10
10191	020	1	1-1/4	10



LINED HOSE CLAMPS

Specially constructed lined hose clamp for silicone and other soft hoses. Inner liner prevents damage to hose.

- Stainless steel band and liner - SAE 301 (18-8) series stainless steel band and housing for maximum corrosion protection. Rounded band edges prevent hose damage.
- Worm drive - For tight, quick sealing.
- Slotted hex screw - SAE 1018 steel, case hardened, zinc plated, chromate dipped, extra-long head for non-interference tightening.
- 9/16" band width - 12-1/2% wider than most clamps for more sealing area.

5/16 hex-slotted carbon screw
zinc plated chromate dipped



PSS100218

PART NUMBER	SAE SIZE	FITS HOSE ID FROM	TO	QTY
10285	08	5/16	1/2	12
10286	10	3/8	5/8	12
10287	12	5/8	3/4	12
10288	16	3/4	1	12
10289	20	1	1-1/4	12
10290	24	1-1/4	1-1/2	12
10291	28	1-1/4	1-3/4	12
10292	32	1-1/2	2	12
10293	36	1-3/4	2-1/4	12
10294	40	2	2-1/2	12
10295	44	2-1/4	2-3/4	12
10296	48	2-1/2	3	12

HI-TORQUE HEAVY DUTY LINER HOSE CLAMPS

Single-piece band is extended underneath the adjustment slots to protect silicone and other soft-surface materials.

- 5/8" band width.
- Highest strength worm-drive clamps made.
- 3 times stronger than other clamps.
- Eliminates double and triple clamping.
- 100% stainless steel - greater corrosion resistance.

PSS100218



PART NUMBER	EFFECTIVE DIAMETER RANGE MINIMUM INCHES MM	MAXIMUM INCHES MM	IND. NO.	QTY
102009	1 5	1-3/4 45	175	10
102010	1-1/4 32	2-1/8 54	200	10
102012	1-3/4 44	2-5/8 67	250	10
102014	2-1/4 57	3-1/8 79	300	10
102016	2-3/4 70	3-5/8 92	350	10
102017	3-1/4 83	4-1/8 105	400	2
102018	3-3/4 95	4-5/8 118	450	2
102019	4-1/4 108	5-1/8 130	500	2
102020	4-3/4 121	5-5/8 143	550	2
102021	5-1/4 133	6-1/8 156	600	2
102022	5-3/4 146	6-5/8 168	650	2
102023	6-1/4 159	7-1/8 181	700	2

CONSTANT TORQUE HOSE CLAMPS

Used to stop rupture problems or cold flow leaks on trucks, buses, heavy duty equipment, air intake and coolant connections.

- 5/8" wide 304 stainless steel lined band protects soft hose from damage.
- Carbon steel plated 3/8 hex head screw.
- Increases or decreases its diameter as system expands or contracts.
- Torques 50-125 inch lbs.



PSS100218

PART NUMBER	EFFECTIVE DIAMETER MIN-MAX	IND. NO.	QTY
10108	9/16 - 1-1/16	9410	10
10109	11/16 - 1-1/4	9412	10
10110	1 - 1-3/4	175	1
10111	1-1/4 - 2-1/8	200	1
10112	1-3/4 - 2-5/8	250	1
10113	2-1/4 - 3-1/8	300	1
10114	2-3/4 - 3-5/8	350	1
10115	3-1/4 - 4-1/8	400	1
10116	3-3/4 - 4-5/8	450	1
10117	4-1/4 - 5-1/8	500	1
10118	4-3/4 - 5-5/8	550	1
10119	5-1/4 - 6-1/8	600	1
10120	5-3/4 - 6-5/8	650	1
10121	6-1/4 - 7-1/8	700	1
10122	6-3/4 - 7-5/8	750	1
10123	7-1/4 - 8-1/8	800	1
10124	7-3/4 - 8-5/8	850	1

T-BOLT HOSE CLAMPS

Pumps, irrigation systems, coolant systems, dairy industry, sanitary systems, ducting, lab equipment.

- 3/4" wide 301 stainless steel band .025 thick.
- 1/4-28 T-Bolt and lock nut steel plated.
- Welded liner.



PSS100218

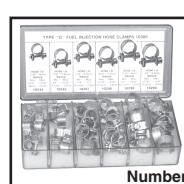
PART NUMBER	EFFECTIVE DIAMETER MIN-MAX	SAE SIZE	QTY
10125	2 - 2-5/16	36	2
10126	2-1/4 - 2-9/16	44	2
10127	2-1/2 - 2-13/16	52	2
10128	2-3/4 - 3-1/16	60	2
10129	3 - 3-5/16	68	2
10130	3-1/4 - 3-9/16	76	2
10131	3-1/2 - 3-13/16	84	2
10132	4 - 4-5/16	100	2
10133	4-1/2 - 4-13/16	116	2
10134	5 - 5-5/16	132	2
10135	5-1/2 - 5-13/16	148	2
10136	6 - 6-5/16	164	2
10137	6-1/2 - 6-13/16	180	2
10138	7 - 7-5/16	196	2
10139	7-1/2 - 7-13/16	212	2
10140	8 - 8-5/16	228	2
10141	8-1/2 - 8-13/16	244	2

TYPE "G" FUEL INJECTION

Use on rubber or plastic hose connections.



- Full 360° liner - unbroken inner band.
- Required for fuel injection hoses.
- Rounded edges, with hex slotted screw head.
- Zinc plated.



Part No. 10300
36 pieces • 6 items
12032 plastic tray

10244 10246 10298
10245 10297 10299

Numbers in assortment

HOSE CLAMPS

WAVESEAL360™ SELF-ADJUSTING HOSE CLAMPS

These clamps are comprised of two main parts, the clamp assembly and the wave profile SmartLiner®.

The wave profile SmartLiner is high quality, thin gauge stainless steel specifically tempered to expand & contract with temperature variations. The clamp rides on SmartLiner so pressure is more evenly distributed around the hose.

MATERIAL SPECIFICATIONS

Screw: 5/16" hex head, 410 Stainless
Housing: 300 Stainless
Band: 9/16", 300 Stainless
9/16" Spring Linger: 300 Stainless
Installation Torque: 70 in-lbs (8 Nm)



LOW PROFILE CLAMP

Compact design is ideal for use in engine compartment and other applications where space is limited.

ULTRA LIGHT WEIGHT

1/3 the weight of traditional constant torque hose clamps.

100% STAINLESS STEEL CONSTRUCTION

Excellent corrosion resistance clamp.

FOR USE ON

Radiator, heater, charge air (turbo) and cooling systems, heat exchangers, hydraulic systems and other fluid and air conducting.

PSS100218

SELF-ADJUSTING CLAMP

Wave Seal design keeps constant pressure during thermal cycling to prevent cold temperature leaks.

COST EFFECTIVE

Cost effective alternative to conventional T-bolt, spring style, Belleville and high torque hose clamps in many applications.

DUAL BEAD DESIGN

Concentrates sealing pressure to prevent leaks and will not damage softer hoses. Rolled edges won't cut into the hose. Outperforms T-bolt and spring clamps in leak testing and pull-off testing.

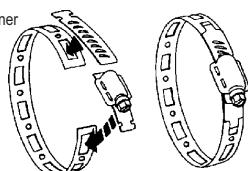
PART NUMBER	CLAMPING RANGE MIN - MAX	SAE SIZE MIN - MAX	BAND WIDTH	QTY
103600	28mm - 33mm	1-3/32 - 1-5/16	9/16	5
103601	29mm - 40mm	1-1/8 - 1-9/16	9/16	5
103602	36mm - 43mm	1-7/16 - 1-3/4	9/16	5
103603	38mm - 46mm	1-1/2 - 1-13/16	9/16	5
103604	43mm - 52mm	1-3/4 - 2-1/16	9/16	5
103605	48mm - 59mm	1-15/16 - 2-5/16	9/16	5
103606	50mm - 62mm	2 - 2-1/2	9/16	5
103607	53mm - 65mm	2-1/8 - 2-9/16	9/16	5
103608	58mm - 71mm	2-5/16 - 2-13/16	9/16	5
103609	63mm - 78mm	2-1/2 - 3-1/16	9/16	5
103610	67mm - 84mm	2-11/16 - 3-5/16	9/16	5

100% STAINLESS STEEL MAKE-A-CLAMP®

A unique, multi-purpose "fix-it-kit" for farms, maintenance & repair shops, off road vehicles, motor homes, trucks & buses, construction equipment, and marine.

- Reduces inventory-broadens coverage.
- Nothing else like it.
- Adjustable in diameter from 2 inches to many feet.
- Saves costly time-quickly makes exact size.

Slotted fastener engages with band.



Clamp is closed & tightened in conventional manner.



Each kit contains:

- Slotted fasteners.
- Screw housing assemblies.
- Band splices.
- Roll of perforated band.

MAK-A-CLAMP KITS & REFILLS PSS100218

PART NUMBER	KIT CONTAINS	PART NUMBER	REFILL CONTENTS
10240	Shop Kit - containing 50 ft. (15.2m) band, 10 adjustable fasteners* and 5 band splices.	10242	box of 10 adjustable fasteners*.
10241	Tool Box Kit - with 8.5 ft. (2.6m) band, 3 adjustable fasteners*, 1 band splice.	10243	box of 10 band splices.

Mak-A-Clamp® is a registered trademark.

* Each adjustable fastener includes 1 slotted fastener and 1 screw housing assembly.

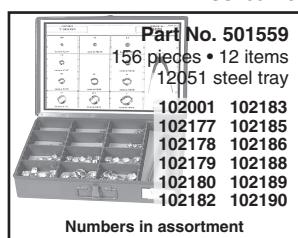
"2" EAR CLAMPS

A medium pressure clamp used on rubber hose, plastic tubing, coaxial and electrical cable, rope, etc.

PART NUMBER	NOMINAL SIZE	WIDTH (INCHES)	QTY
102175	5/32	.138	25
102176	11/64	.138	25
102177*	3/16	.197	25
102178*	1/4	.236	25
102179*	5/16	.276	25
102180*	3/8	.276	25
102182*	1/2	.276	25
102183*	9/16	.295	25
102184	19/32	.315	25
102185*	5/8	.315	25
102186*	3/4	.335	25
102187	13/16	.354	25
102188*	7/8	.354	10
102189*	15/16	.394	10
102190*	1	.394	10
102191	1-1/16	.394	10
102192	1-1/8	.394	10
102193	1-3/16	.394	10
102194	1-5/16	.394	10
102195	1-7/16	.394	10
102196	1-1/2	.394	10
102197	1-5/8	.394	10
102198	1-3/4	.394	10

* Contained in Assortment

Note: When ordering your 2-Ear Clamps select nominal clamp size nearest to, but always larger than, O.D. of material to be clamped after insert has been fitted.



Numbers in assortment

NORMA TORRO® (European Style)

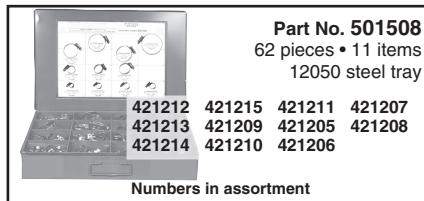
Used for fuel, vacuum, water, emission and heater hoses.

- Short housing saddle for a smooth underside ensuring high sealing efficiency.
- Stainless steel band & housing, Zinc & Yellow steel screw.
- Unique off set non-welded design of the housing provides resistance to over-tightening damage to the hose.
- Original equipment on both domestic and import vehicles.
- DIN 3017.

PSS100218

PART NUMBER	CLAMPING RANGE MIN - MAX	HEX SIZE	BAND WIDTH	QTY
421205	8mm - 12mm	5mm*	8mm (5/16)	12
421206	10mm - 16mm	5mm*	8mm (5/16)	12
421207	12mm - 18mm	5mm*	8mm (5/16)	12
421208	8mm - 16mm	6mm	9mm (11/32)	12
421209	12mm - 20mm	6mm	9mm (11/32)	12
421210	16mm - 25mm	6mm	9mm (11/32)	12
421211	20mm - 32mm	6mm	9mm (11/32)	6
421212	25mm - 40mm	6mm	9mm (11/32)	6
421213	30mm - 45mm	6mm	9mm (11/32)	6
421214	32mm - 50mm	6mm	9mm (11/32)	6
421215	40mm - 60mm	6mm	9mm (11/32)	6
421216	50mm - 70mm	6mm	9mm (11/32)	6
421217	60mm - 80mm	6mm	9mm (11/32)	6
421218	70mm - 90mm	6mm	9mm (11/32)	6

* Phillips Hex Drive



Flexible Nut Driver

For 6mm hex fits
European Style Hose Clamps
No.'s 421208 thru 421215

Part No. 213135

HOSE CLAMPS, HOSE FERRULES & TOOLS

SPRING ACTION

Use on rubber or plastic hose connections.

- Heat treated spring steel, phosphate and paint.
- Easy to use - just squeeze together to open, let go to close.



PSS100218

- No special tools needed - use ordinary wide nose pliers.

PART NUMBER	HOSE O.D.	COLOR	WIDTH	QTY
102150	3/8	Black	5/16	50
102151	7/16	Green	5/16	50
102152	1/2	Red	5/16	50
102153	9/16	Black	5/16	50
102154	5/8	Olive	5/16	50
102155	11/16	Red	5/16	50
102156	3/4	Black	3/8	50

STEPLESS® EAR CLAMPS

Used on thin wall hose or tubing, perfect for silicon, vinyl, polyurethane, nylon braided, synthetic hose, polyethylene pipe, fuel injection lines, water piping and thermo plastic material.

- 360° seal - prevents leaks - tongue & groove design.
- No gaps, steps, or non-bridged sections.
- Smooth inner band eliminates gaps, and pinching on soft hose and tubing.
- Reinforced dimple in ear creates spring like action for vibration resistance.
- Breathes without loosening during temperature changes.
- No retighten needed.
- One ear design - allows easy accessibility.
- Stainless steel construction provides corrosion resistance.
- Not reusable.
- Installed with pinches on B12-8 #102001 or # 102002.
- Low pressure applications up to 500 psi max.

PSS100218



Note: Select nominal clamp size nearest to, but always larger than, O.D. of material to be clamped.

Part No. 501700

115 pieces • 10 items
12051 steel tray



Numbers in assortment

Part No. 501701

116 pieces • 10 items
12051 steel tray
(Includes #102001 Pincer)

102160 102164 102168
102161 102165 102169
102162 102166
102163 102167
Numbers in assortment

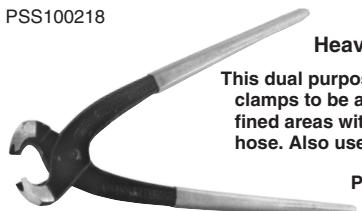
PINCERS

PSS100218

Heavy Duty Side Jaw Pincers

This dual purpose, side jaw design allows clamps to be applied or removed in confined areas with pincers held parallel to the hose. Also used like standard pincers.

Part No. 102002



Heavy Duty Straight Jaw Pincers

Part No. 102001



BRASS HOSE FERRULES

Economical and dependable brass ferrules
to make custom hose assemblies.



PART NUMBER	MILTON NUMBER	IND. NUMBER	HOSE OD (INCHES)	QTY
101652	1654-2	7324	1/2	10
101653	1654-3	7325	9/16	10
101654	1654-4	7326	19/32	10
101655	1654-5	7327	5/8	10
101656	1654-6	7328	21/32	10
101657	1654-7	7329	11/16	10
101658	1654-8	7330	23/32	10
101659	1654-9	7331	3/4	10

Note: Because rubber hose tolerances vary up to +/- 1/32" on the ID and OD, it is necessary to fit ferrules and fittings to each individual hose being assembled.

HOSE FERRULE CRIMPING TOOL

This tool makes professional quality hose assembly fast and easy.



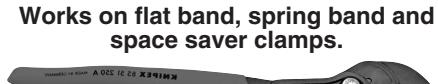
PSS100218

Part No. 101626

- Crimps ferrules on hose ranging from 1/4" single braid to 3/8" two braid hose.
- Made of high strength ductile iron casting has 5 hardened steel ribbed dies ready for instant use.
- Can be bench-mounted or used as a portable tool at the job site.

SPRING HOSE CLAMP PLIERS

Works on flat band, spring band and space saver clamps.



PSSB020316

Part No. 113659 (7-1/4" overall length)
1/8"-2" capacity / 15 adjustment positionsPart No. 113510 (10" overall length)
1-7/8"-2-3/4" capacity / 25 adjustment positions

REPLACES 3 SIZES OF OTHER HOSE CLAMP PLIERS

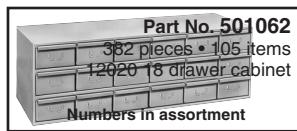
Application Areas: Air Intake, Cooling, Charged Air, Water Return Flow, Thermostat, Fuel & Heating

- Rotatable grip inserts for securely gripping clamp in all positions.
- Chrome vanadium steel, forged & oil hardened.
- Slim head design, narrow head width, works great in confined areas.

BRASS FITTING ASSORTMENTS

COMBINATION BRASS FITTINGS

- FREE Brass Identification Kit.
- Stock Organizer for parts location.
- Labels for quick identification.
- Tube Fittings Guide - contains valuable information about the tube fittings most frequently used.
- Brass Fitting Gauge.



STYLE FITTING	SIZES
	Compression 3/16 tube - 1/8 pipe through 3/8 tube - 1/4 pipe
	Inverted Flare 3/16 tube - 1/8 pipe through 3/8 tube - 1/4 pipe
	Pipe 1/8 pipe through 1/2 pipe
	SAE 45° Flare 1/4 tube - 1/8 pipe through 1/2 tube - 3/8 pipe
	Barbed Connector 5/16 tube - 5/16 hose

COMBINATION BRASS FITTINGS

Tube Sizes: 3/16" through 3/8"
Includes Inverted Flare, SAE 45° Flare, Compression, Pipe fittings and Drain cocks.

Part No. 508001

226 pieces • 84 items • 12017 steel tray

508101	508115	508128	508144	508159	508183	508200	508226
508102	508116	508129	508145	508160	508185	508201	508227
508103	508117	508132	508147	508171	508187	508202	508233
508104	508118	508133	508150	508172	508190	508203	508234
508106	508119	508134	508151	508173	508191	508215	508235
508107	508120	508135	508152	508174	508193	508216	508244
508108	508121	508138	508153	508176	508194	508217	508245
508110	508122	508139	508155	508177	508195	508219	
508112	508123	508140	508156	508178	508196	508221	
508113	508126	508141	508157	508179	508197	508223	
508114	508127	508143	508158	508182	508198	508225	

Numbers in assortment

AUTOMOTIVE BRASS FITTINGS

Sizes: 1/8" through 5/16"

Part No. 508017

108 pieces • 19 items • 12039 plastic tray

508120	508125	508128	508133	508138	508215	508245
508121	508126	508131	508134	508139	508216	
508122	508127	508132	508137	508140	508244	

Numbers in assortment

Sizes: 3/16" through 3/8"

Part No. 508002

118 pieces • 45 items • 12040 plastic tray

508101	508108	508120	508128	508138	508173	508217	508227
508102	508109	508121	508129	508139	508182	508219	508244
508103	508112	508122	508132	508140	508183	508221	508245
508104	508113	508123	508133	508141	508185	508223	
508106	508114	508126	508134	508171	508215	508225	
508107	508115	508127	508135	508172	508216	508226	

Numbers in assortment

SAE 45° FLARE FITTINGS

Sizes: 1/8" through 3/8"

Part No. 501034

98 pieces • 24 items • 12017 steel tray

508170	508173	508177	508182	508185	508191	508195	508200
508171	508175	508178	508183	508189	508192	508196	508201
508172	508176	508181	508184	508190	508193	508197	508202

Numbers in assortment

MECHANICS BRASS FITTINGS

The fastest moving fittings.



Sizes: 3/16" through 3/8"

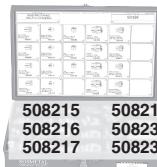
Part No. 508901

175 pieces • 19 items • 12040 plastic tray

508120	508125	508128	508133	508138	508244	508262
508121	508126	508131	508134	508139	508245	
508122	508127	508132	508137	508140	508261	

Numbers in assortment

BRASS PIPE FITTINGS



Sizes: 1/8" through 1/2"

Includes plugs, caps and couplings

Part No. 501699

78 pieces • 19 items • 12017 steel tray

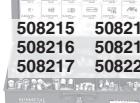
508215	508218	508235	508262	508910	508913	510182
508216	508233	508236	508263	508911	510180	
508217	508234	508261	508264	508912	510181	

Numbers in assortment



Part No. 501023

108 pieces • 24 items • 12017 steel tray



Sizes: 1/8" through 1/2"

Includes pipe plugs, reducing bushings, couplings, close & long nipples & 90° street elbows

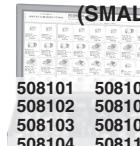
Part No. 501832

106 pieces • 24 items • 12017 steel tray

508219	508224	508227	508234	508237	508262	508924	508934
508221	508225	508228	508235	508238	508263	508925	510184
508223	508226	508233	508236	508261	508264	508933	510185

Numbers in assortment

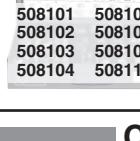
INVERTED FLARE FITTINGS



(SMALL & LARGE DIAMETER) Sizes: 1/8" through 1/2"

Part No. 501035

175 pieces • 32 items • 12062 steel tray



(SMALL DIAMETER) Sizes: 1/8" through 5/16"

Part No. 508008

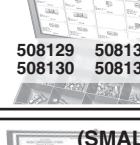
156 pieces • 22 items • 12017 steel tray



(LARGE DIAMETER) Sizes: 3/8" through 1/2"

Part No. 508009

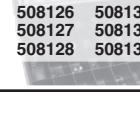
119 pieces • 15 items • 12050 steel tray



(SMALL & LARGE DIAMETER) Sizes: 1/8" through 1/2"

Part No. 501019

164 pieces • 32 items • 12062 steel tray



(SMALL DIAMETER) Sizes: 1/8" through 5/16"

Part No. 508019

164 pieces • 32 items • 12062 steel tray

BRASS FITTINGS

BRASS PIPE FITTINGS

Applications:

Low to Medium pressure; hazardous fuels, LP & natural gas, air and water. Instrumentation, hydraulic systems, refrigeration.

Advantages:

Dryseal threads. Large range of styles and sizes.

Disadvantages:

Not a good seal in severe vibration applications. Not as versatile as tubing. Pipe requires threading.

Pressure: To 1200 PSI.

Used with: Brass, iron, bronze pipe.

Assembly Notes:

1. Use sealing compound on threads for lubrication.
2. Tighten a minimum of 2-1/2 turns past hand tight.

Identifying characteristics:

Threaded areas on pipes are characteristically tapered.



SQUARE HEAD PLUG



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508215	3151X2	1/8	10
508216	3151X4	1/4	10
508217	3151X6	3/8	5
508218	3151X8	1/2	5

ADAPTER BUSHING



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD (MALE X FEMALE)	QTY
508380	3200X2	1/8 x 1/8	10
508381	3200X4X2	1/8 x 1/4	10
508382	3200X4	1/4 x 1/4	5
508383	3200X6X2	1/8 x 3/8	5
508384	3200X6X4	1/4 x 3/8	5
508385	3200X6	3/8 x 3/8	5
508387	3200X8X6	3/8 x 1/2	1
508388	3200X8	1/2 x 1/2	1
508389	3200X12X8	1/2 x 3/4	1

MALE BRANCH TEE



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508285	3600X2	1/8	5
508286	3600X4	1/4	5
508287	3600X6	3/8	5
508919	3600X8	1/2	1

CAP



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
510180	3129X2	1/8	5
510181	3129X4	1/4	5
510182	3129X6	3/8	5
510190	--	1/2	2

HEX HEAD PLUG



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508261	3152X2	1/8	10
508262	3152X4	1/4	10
508263	3152X6	3/8	5
508264	3152X8	1/2	5
510183	3152X12	3/4	2

REDUCING BUSHING



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD (MALE X FEMALE)	QTY
508219	3220X4X2	1/4 x 1/8	10
508220	3220X6X2	3/8 x 1/8	10
508221	3220X6X4	3/8 x 1/4	10
508222	3220X8X2	1/2 x 1/8	5
508223	3220X8X4	1/2 x 1/4	5
508224	3220X8X6	1/2 x 3/8	5
508199	3220X12X6	3/4 x 3/8	1
508214	3220X12X8	3/4 x 1/2	1

TEE



SOCKET HEAD PLUG



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508942	3700X2	1/8	5
508943	3700X4	1/4	5
508944	3700X6	3/8	1
508945	3700X8	1/2	1

REDUCING COUPLING



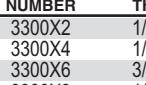
PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
510350	--	1/8	25
510351	--	1/4	10
510352	--	3/8	10
510353	--	1/2	10

REF. SAE NO. 130138



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508910	3300X4X2	1/4 x 1/8	5
508911	3300X6X2	3/8 x 1/8	5
508912	3300X6X4	3/8 x 1/4	5
508913	3300X8X6	1/2 x 3/8	5

REF. SAE NO. 130138



LONG NIPPLE



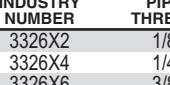
PART NUMBER	INDUSTRY NUMBER	PIPE THREAD (MALE X FEMALE)	QTY
508231	3327X2	1/8 x 1-1/2	10
508232	3327X4	1/4 x 1-1/2	10
508923	3327X6	3/8 x 1-1/2	5
508924	3328X2	1/8 x 2	5
508925	3328X4	1/4 x 2	5
508926	3328X6	3/8 x 2	5
508927	3328X8	1/2 x 2	5
510184	3329X2	1/8 x 2-1/2	5
510185	3329X4	1/4 x 2-1/2	5
508928	3330X2	1/8 x 3	5
508929	3330X4	1/4 x 3	5
508930	3330X6	3/8 x 3	1
508931	3330X8	1/2 x 3	1

HEX NIPPLE



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508229	3325X2	1/8 x 1/8	10
508916	3325X4X2	1/4 x 1/8	10
508230	3325X4	1/4 x 1/4	10
508917	3325X6X2	3/8 x 1/8	5
508918	3325X6X4	3/8 x 1/4	5
508920	3325X6	3/8 x 3/8	5
508921	3325X8	1/2 x 1/2	5

CLOSE NIPPLE



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508225	3326X2	1/8	10
508226	3326X4	1/4	10
508227	3326X6	3/8	5
508228	3326X8	1/2	5
508915	3326X12	3/4	5

90° STREET ELBOW



BRASS FITTINGS**BRASS PIPE FITTINGS****STREET TEE**

PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508947	3750X2	1/8	5
508948	3750X4	1/4	5
508949	3750X6	3/8	1
508950	3750X8	1/2	1

45° STREET ELBOW

PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508239	3350X2	1/8	5
508240	3350X4	1/4	5
508936	3350X6	3/8	1
508937	3350X8	1/2	1

ELBOW

PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508241	3500X2	1/8	5
508242	3500X4	1/4	5
508939	3500X6	3/8	1
508940	3500X8	1/2	1

CROSS

PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508952	3950X2	1/8	5
508953	3950X4	1/4	5
508954	3950X6	3/8	1
508955	3950X8	1/2	1

INVERTED FLARE TUBE FITTINGS**Applications:**

Where vibration is a factor; automotive brake, fuel, and oil lines. Also air, water, gases and hazardous chemicals.

Advantages:

Low cost and reusable. Seats and threads protected. Short nut for tight spaces. Excellent vibration resistance.

Disadvantages:

Tubing must be flared.

Pressure: To 2000 PSI, depending on size and tubing.

Used with: Tubing that can be flared; copper, brass, aluminum, steel, and Bundy tubing.

Assembly Notes:

1. Use 45° flaring tool on squarely cut tubing.
2. Wrench tighten 1/6th turn past solid feel.

Identifying characteristics:

External threads on nuts. Flared tubing.

**90° MALE ELBOW**

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508836	402X2	1/8	1/8	20
508112	402X3	3/16	1/8	20
508113	402X4	1/4	1/8	20
508837	402X4X4	1/4	1/4	20
508114	402X5	5/16	1/8	20
508838	402X5X4	5/16	1/4	20
508115	402X6	3/8	1/4	10
508839	402X6X6	3/8	3/8	10
510198	402X8X4	1/2	1/4	10
508840	402X8	1/2	3/8	10
508841	402X8X8	1/2	1/2	10

STANDARD NUT

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508830	100X2	1/8	20
508101	100X3	3/16	20
508102	100X4	1/4	20
508103	100X5	5/16	20
508104	100X6	3/8	10
508105	100X8	1/2	10

FEMALE CONNECTOR

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508843	252X3X2	3/16	1/8	20
508844	252X4X2	1/4	1/8	20
508845	252X5X2	5/16	1/8	20
508846	252X6X4	3/8	1/4	10
508847	252X8X6	1/2	3/8	10

MALE CONNECTOR

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508831	202X2	1/8	1/8	20
508106	202X3	3/16	1/8	20
508107	202X4	1/4	1/8	20
508832	202X4X4	1/4	1/4	20
508108	202X5	5/16	1/8	20
508109	202X5X4	5/16	1/4	20
508833	202X6X2	3/8	1/8	10
508110	202X6	3/8	1/4	10
508834	202X6X6	3/8	3/8	10
510202	202X8X4	1/2	1/4	5
508111	202X8	1/2	3/8	10
508835	202X8X8	1/2	1/2	10
510204	202X10	5/8	1/2	2
510205	202X12	3/4	3/4	2

STEEL NUT

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510191	105X2	1/8	5/16-28	10
508375	105X3	3/16	3/8-24	10*
508376	105X4	1/4	7/16-24	10*
508377	105X5	5/16	1/2-20	10*
510192	105X6	3/8	5/8-18	10
510194	105X8	1/2	3/4-18	5
510195	105X10	5/8	7/8-18	2

45° MALE ELBOW

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508116	352X3	3/16	1/8	20
508117	352X4	1/4	1/8	20
508118	352X5	5/16	1/8	20
508119	352X6	3/8	1/4	10
510196	352X8	1/2	3/8	5

BRASS FITTINGS

INVERTED FLARE TUBE FITTINGS

MALE BRANCH TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510370	602X3	3/16	1/8	2
510371	602X4	1/4	1/8	2
510372	602X5	5/16	1/8	2
510373	602X6	3/8	1/4	2
510374	602X8	1/2	3/8	1

STEEL PLUG



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	THREAD	QTY
508265	131X3	3/16	3/8-24	10
508266	131X4	1/4	7/16-24	10
508267	131X5	5/16	1/2-20	10
508268	131X6	3/8	5/8-18	10

90° FEMALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510359	452X3	3/16	1/8	2
510360	452X4	1/4	1/8	2
510361	452X5	5/16	1/8	2
510362	452X6	3/8	1/4	2

UNION TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510188	702X3	3/16	5
510189	702X4	1/4	5

UNION ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510355	502X4	1/4	2

LONG STEEL NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	THREAD	QTY
508378	7896X3	3/16	3/8-24	10*
508379	7896X4	1/4	7/16-24	10*

NOTE: Hydraulic brake fittings are located in section H15.

* Steel nut and Long steel nut sizes 3/16, 1/4, & 5/16 are available in packages of 10 each, as well as 25 each.

MALE FLARE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	HOSE/TUBE SIZE	THREAD	QTY
508269	05705B-1560	5/16 x 5/16	1/2-20	5

SAE 45° FLARE TUBE FITTINGS

Applications:

Air, water, oil, gas, and hazardous liquids. Refrigeration, power steering, hydraulic & pneumatic systems.

Advantages:

Low cost & reusable. Forged nut for refrigeration. Vibration resistant.

Disadvantages:

Tubing must be flared. Seat body threads are exposed.

Pressure:

 To 2000 PSI, depending on size and tubing.

Used with: Tubing that can be flared; copper, brass steel, aluminum, plastic and Bundy tubing.

Assembly Notes:

1. Use 45° flaring tool on squarely cut tubing.
2. Wrench tighten 1/6th turn past solid feel.

Identifying characteristics:

Flared tubing. Concave long nut. Internal threads on nut.



UNION



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510108	42X2	1/8	10
508175	42X3	3/16	10
508176	42X4	1/4	10
508177	42X5	5/16	10
508178	42X6	3/8	10
508179	42X8	1/2	5
508562	42X10	5/8	5
508563	42X12	3/4	2

SHORT NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508170	1110X3	3/16	10
508171	1110X4	1/4	10
508172	1110X5	5/16	10
508173	1110X6	3/8	5
510106	1110X7	7/16	5
508174	1110X8	1/2	5
508560	1110X10	5/8	5
508561	1110X12	3/4	2

MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508180	48X2	1/8	1/8	10
508181	48X3	3/16	1/8	10
508182	48X4	1/4	1/8	10
508960	48X4X4	1/4	1/4	5
508183	48X5	5/16	1/8	10
508184	48X5X4	5/16	1/4	10
508185	48X6	3/8	1/4	10
508186	48X6X2	3/8	1/8	10
508568	48X6X6	3/8	3/8	5
510120	48X6X8	3/8	1/2	5
510121	48X6X12	3/8	3/4	2
510123	48X8X4	1/2	1/4	5
508187	48X8	1/2	3/8	5
508188	48X8X8	1/2	1/2	5
510124	48X8X12	1/2	3/4	2
510125	48X10X6	5/8	3/8	5
508564	48X10	5/8	1/2	5
510126	48X10X12	5/8	3/4	2
508565	48X12	3/4	1/2	2

UNION ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508200	55X4	1/4	10
508201	55X5	5/16	10
508202	55X6	3/8	5
508203	55X8	1/2	5

LONG NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510100	41X3	3/16	10
510101	41X4	1/4	10
510102	41X5	5/16	10
510103	41X6	3/8	5
510104	41X8	1/2	5
510105	41X10	5/8	2

BRASS FITTINGS**SAE 45° FLARE TUBE FITTINGS****90° MALE ELBOW**

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510127	49X2	1/8	1/8	10
508189	49X3	3/16	1/8	10
508190	49X4	1/4	1/8	10
508191	49X5	5/16	1/8	10
508961	49X4X4	1/4	1/4	5
508192	49X5X4	5/16	1/4	5
508962	49X6X2	3/8	1/8	3
508193	49X6	3/8	1/4	5
508963	49X6X6	3/8	3/8	3
510128	49X6X8	3/8	1/2	3
510129	49X6X12	3/8	3/4	2
510131	49X8X4	1/2	1/4	5
508194	49X8	1/2	3/8	5
510132	49X8X8	1/2	1/2	3
510133	49X10X6	5/8	3/8	2
508566	49X10	5/8	1/2	2
508567	49X12	3/4	1/2	2

90° FEMALE ELBOW

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510134	50X4	1/4	1/8	5
510135	50X5	5/16	1/8	5
510136	50X6	3/8	1/4	5
510137	50X6X8	3/8	1/2	3
510138	50X8	1/2	3/8	3
510139	50X8X8	1/2	1/2	3
510140	50X8X12	1/2	3/4	2
510141	50X10	5/8	1/2	2
510142	50X10X12	5/8	3/4	2

UNION TEE

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510107	44X3	3/16	10
508195	44X4	1/4	10
508196	44X5	5/16	10
508197	44X6	3/8	5
508198	44X8	1/2	5

CAP**MALE BRANCH TEE**

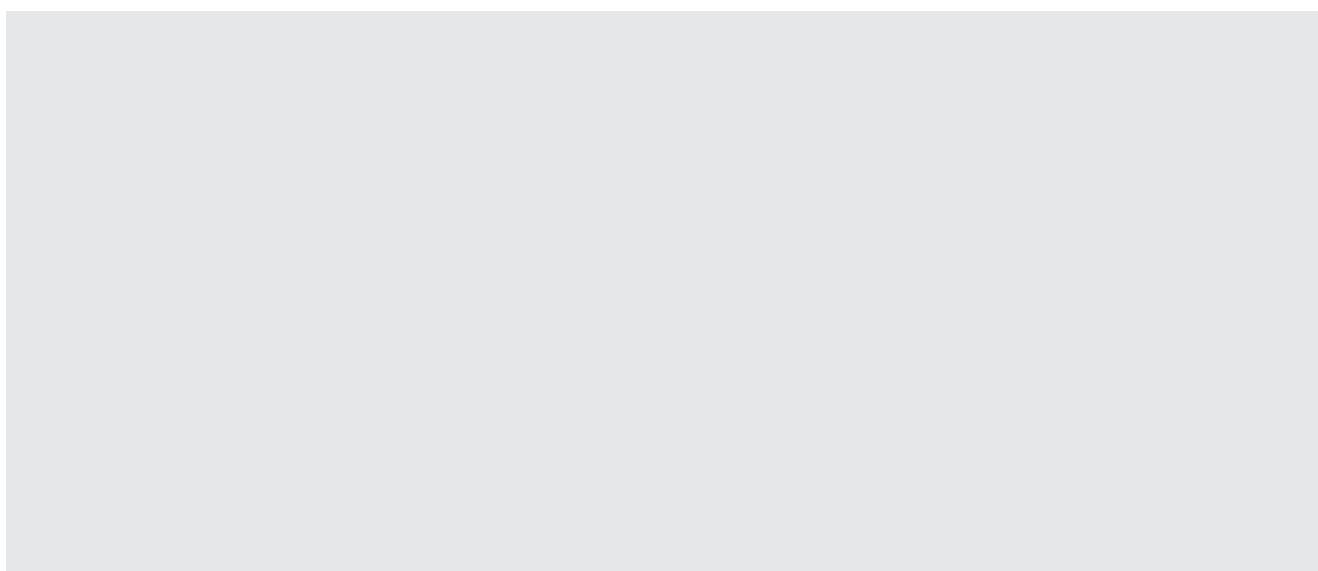
PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510109	45X3	3/16	1/8	10
508204	45X4	1/4	1/8	10
508205	45X5	5/16	1/8	10
508206	45X6	3/8	1/4	5
508207	45X8	1/2	3/8	5
510110	45X10	5/8	1/2	2

FEMALE CONNECTOR**PLUG**

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510610	39X2	1/8	5
510611	39X3	3/16	5
510612	39X4	1/4	5
510613	39X5	5/16	5
510614	39X6	3/8	5
510615	39X8	1/2	5
510616	39X10	5/8	2
510617	39X12	3/4	2

MALE RUN TEE

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510148	51X3	3/16	1/8	10
508208	51X4	1/4	1/8	10
508209	51X5	5/16	1/8	10
508210	51X6	3/8	1/4	5
508211	51X8	1/2	3/8	5



BRASS FITTINGS

STANDARD COMPRESSION TUBING FITTINGS

Applications:

Low/medium pressure, low vibration. Gas, oil, water, vacuum & air. Instrumentation, hydraulics, pneumatics.

Advantages:

Easy to assemble. No flaring. Built-in tubing support.

Disadvantages:

Susceptible to vibration failure. Sleeves not reusable.

Used with: Copper, brass, aluminum & plastic tubing.

Soft plastic tubing requires internal sleeve.

Assembly Notes:

1. Make sure tubing contacts shoulder within fitting body.
2. Hand tighten, then follow with wrench.

Identifying characteristics:

No flare on tubing. Uses brass sleeve for soft tubing.

Nut has internal threads.

**NUT**

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508131	61X2	1/8	20
508132	61X3	3/16	20
508133	61X4	1/4	20
508134	61X5	5/16	20
508135	61X6	3/8	10
508801	61X7	7/16	10
508136	61X8	1/2	10
508552	61X10	5/8	10
508553	61X12	3/4	5

SLEEVE

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508125	60X2	1/8	50
508126	60X3	3/16	50
508127	60X4	1/4	50
508128	60X5	5/16	50
508129	60X6	3/8	20
508800	60X7	7/16	20
508130	60X8	1/2	20
508550	60X10	5/8	20
508551	60X12	3/4	20

LONG NUT

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510150	1611X3	3/16	10
508802	1611X4	1/4	10
508803	1611X5	5/16	10
508804	1611X6	3/8	10
508805	1611X8	1/2	10
510151	1611X12	3/4	5

FEMALE CONNECTOR

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508168	68X2	1/8	1/8	10
508143	68X3	3/16	1/8	10
508144	68X4	1/4	1/8	10
508810	68X4X4	1/4	1/4	10
508145	68X5	5/16	1/8	10
508146	68X5X4	5/16	1/4	10
508147	68X6	3/8	1/4	5
508148	68X6X2	3/8	1/8	5
508811	68X6X6	3/8	3/8	5
510169	68X6X8	3/8	1/2	5
510170	68X7	7/16	1/4	5
508149	68X8	1/2	3/8	5
508812	68X8X8	1/2	1/2	5
508556	68X10	5/8	1/2	5
508557	68X12	3/4	1/2	2

UNION

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508137	62X2	1/8	10
508138	62X3	3/16	10
508139	62X4	1/4	10
508140	62X5	5/16	5
508141	62X6	3/8	5
510149	62X7	7/16	5
508142	62X8	1/2	5
508554	62X10	5/8	2
508555	62X12	3/4	2

MALE RUN TEE

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508212	71X3	3/16	1/8	10
508164	71X4	1/4	1/8	10
508165	71X5	5/16	1/8	5
508166	71X6	3/8	1/4	5
510179	71X8	1/2	3/8	5

UNION ELBOW

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510155	65X2	1/8	5
508124	65X3	3/16	5
508155	65X4	1/4	5
508156	65X5	5/16	5
508157	65X6	3/8	5
510156	65X7	7/16	5
508807	65X8	1/2	5
510157	65X10	5/8	2
510158	65X12	3/4	2

UNION TEE

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510152	64X2	1/8	5
508169	64X3	3/16	5
508158	64X4	1/4	5
508159	64X5	5/16	5
508160	64X6	3/8	5
508806	64X8	1/2	2
510153	64X10	5/8	2
510154	64X12	3/4	2

MALE BRANCH TEE

PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508213	72X3	3/16	1/8	10
508161	72X4	1/4	1/8	10
508162	72X5	5/16	1/8	5
508163	72X6	3/8	1/4	5
508819	72X8	1/2	3/8	5

FASTUBE INSTANT FITTINGS

A NEW CONCEPT IN BRASS COMPRESSION FITTINGS

A one piece, solid brass fitting.

For nylon, plastic, and soft metal tubing. Just push tubing into the fitting for an instant connection and 100% seal.

Save an average of 75% assembly time. Cuts downtime, labor and inventory.

No special tools. Eliminates nuts, ferrules and trimming tubes. Repairs can be made without disassembly.

Unique 360° swivel feature makes tubing alignment, without kinking, easy.

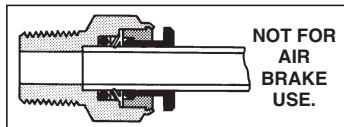
Permanent connection, yet reusable.

Once tubing is locked into place, it stays there until you make a deliberate effort to disconnect.

Full flow. No inserts or tube support mechanisms to cause restrictions.

Performance tested before packaging. You are assured of product performance.

Vibration resistant. The tube is sealed by O-ring, and mechanically held into place, making this fitting an excellent choice for wherever vibration is a factor.



FASTUBE INSTANT FITTINGS

Advantages:

No special tools. Tremendous time savings. Instant connection and disassembly. 360° swivel on elbows and tees. Tubing size marked on release button.

Pressure: To 300 PSI

Used with: Polyethylene, polypropylene, polyurethane, nylon, and all thermoplastic tubing.

Temperature: 0° to 200°F

Material: Nickel-plated forged brass body

Assembly Notes:

1. Be sure tubing is cut square and is free of burrs.
2. Insert tubing into fitting until it bottoms. A slight twisting motion will ease the insertion. Pull on tubing to verify it is properly retained in the fitting.
3. To disassemble, simply push the release button against the body and remove tubing.



— NOT FOR AIR BRAKE USE —

UNION



PART NUMBER	TUBE SIZE	QTY
508605	1/8	1
508665	5/32	1
508606	1/4	1
508666	5/16	1
508607	3/8	1
508608	1/2	1

UNION TEE



PART NUMBER	TUBE SIZE	QTY
508627	1/8	1
508673	5/32	1
508628	1/4	1
508674	5/16	1
508629	3/8	1
508630	1/2	1

MALE BRANCH TEE, SWIVEL



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
508650	1/8	1/8	1
508683	5/32	1/8	1
508651	1/4	1/8	1
508652	1/4	1/4	1
508684	5/16	1/8	1
508685	5/16	1/4	1
508686	3/8	1/4	1
508687	3/8	3/8	1
508653	1/2	3/8	1

BULKHEAD UNION



PART NUMBER	TUBE SIZE	QTY
508611	1/8	1
508667	5/32	1
508612	1/4	1
508668	5/16	1
508613	3/8	1
508614	1/2	1

90° MALE ELBOW, SWIVEL



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
508633	1/8	1/8	1
508675	5/32	1/8	1
508676	5/32	1/4	1
508634	1/4	1/8	1
508635	1/4	1/4	1
508677	5/16	1/8	1
508678	5/16	1/4	1
508636	3/8	1/8	1
508637	3/8	1/4	1
508638	3/8	3/8	1
508639	1/2	3/8	1

PLASTIC PLUG



PART NUMBER	TUBE SIZE	QTY
508656	1/8	1
508688	5/32	1
508657	1/4	1
508689	5/16	1
508658	3/8	1
508659	1/2	1

MALE CONNECTOR



PART NUMBER	TUBE SIZE	PIPE THREAD	ALLEN WRENCH	QTY
508617	1/8	1/8	3/16	1
508669	5/32	1/8	3/16	1
508670	5/32	1/4	3/16	1
508618	1/4	1/8	3/16	1
508619	1/4	1/4	3/16	1
508620	1/4	3/8	3/16	1
508671	5/16	1/8	3/16	1
508672	5/16	1/4	3/16	1
508621	3/8	1/8	3/16	1
508622	3/8	1/4	1/4	1
508623	3/8	3/8	1/4	1
508624	1/2	3/8	3/8	1
508625	1/2	1/2	3/8	1

MALE RUN TEE, SWIVEL



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
508643	1/8	1/8	1
508679	5/32	1/8	1
508644	1/4	1/8	1
508645	1/4	1/4	1
508680	5/16	1/8	1
508681	5/16	1/4	1
508646	3/8	1/4	1
508682	3/8	3/8	1
508647	1/2	3/8	1

FEMALE CONNECTOR



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
508690	1/8	1/8	1
508691	5/32	1/8	1
508692	5/32	1/4	1
508693	1/4	1/8	1
508694	1/4	1/4	1
508695	5/16	1/8	1
508696	5/16	1/4	1
508697	3/8	1/4	1
508698	3/8	3/8	1

FASTUBE INSTANT FITTINGS

FASTUBE INSTANT FITTINGS

TUBE END REDUCER



1

PART NUMBER	TUBE SIZE (1)	TUBE SIZE (2)	QTY
508705	1/8	5/32	1
508706	1/8	1/4	1
508707	5/32	1/4	1
508708	5/32	5/16	1
508709	5/32	3/8	1
508710	1/4	5/16	1
508711	1/4	3/8	1
508712	1/4	1/2	1
508713	5/16	3/8	1
508714	3/8	1/2	1



UNION ELBOW

PART NUMBER	TUBE SIZE	QTY
508715	1/8	1
508716	5/32	1
508717	1/4	1
508718	5/16	1
508719	3/8	1
508720	1/2	1

90° MALE ELBOW



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
508721	1/8	1/8	1
508722	5/32	1/8	1
508723	5/32	1/4	1
508724	1/4	1/8	1
508725	1/4	1/4	1
508726	5/16	1/8	1
508727	5/16	1/4	1
508728	3/8	1/4	1
508729	3/8	3/8	1
508730	3/8	1/2	1
508731	1/2	3/8	1

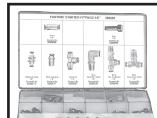
FASTUBE INSTANT FITTING ASSORTMENTS



Sizes: 1/8" and 1/4"
Part No. 508601
48 pieces • 24 items
12017 steel tray

508605	508617	508629	508646
508606	508618	508633	508650
508607	508619	508634	508652
508611	508620	508635	508656
508612	508627	508643	508657
508613	508628	508645	508658

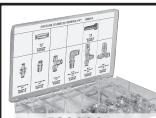
Numbers in assortment



Sizes: 1/8"
Part No. 508660
24 pieces • 8 items
12039 plastic tray

508605	508627	508650
508611	508633	508656
508617	508643	

Numbers in assortment



Sizes: 1/4"
Part No. 508661
24 pieces • 8 items
12039 plastic tray

508606	508628	508652
508612	508635	508657
508619	508645	

Numbers in assortment



Sizes: 3/8"
Part No. 508662
18 pieces • 6 items
12042 plastic tray

508607	508623	508638
508613	508629	508658

Numbers in assortment



Sizes: 1/2"
Part No. 508663
18 pieces • 6 items
12042 plastic tray

508608	508630	508653
508614	508639	508659

Numbers in assortment

BRASS FITTINGS**HOSE FITTINGS****MALE PIPE END**

PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	PIPE THREAD	QTY
508288	05703B-102	3/16	1/8	5
508289	05704B-102	1/4	1/8	5
508290	05704B-104	1/4	1/4	5
508291	05705B-102	5/16	1/8	5
508292	05705B-104	5/16	1/4	5
508967	05706B-102	3/8	1/8	5
508293	05706B-104	3/8	1/4	5
508294	05706B-106	3/8	3/8	5

HOSE - MALE ADAPTER

PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	PIPE THREAD	QTY
508580	--	3/16	1/8	5
508581	--	3/16	1/4	5
508253	--	1/4	1/8	5
508254	--	1/4	1/4	5
508255	--	1/4	3/8	5
508256	--	5/16	1/8	5
508257	--	5/16	1/4	5
508582	--	5/16	3/8	5
508258	--	3/8	1/8	5
508259	--	3/8	1/4	5
508260	--	3/8	3/8	5
508583	--	3/8	1/2	5
508584	--	1/2	1/4	5
508585	--	1/2	3/8	5
508586	--	1/2	1/2	5
508587	--	5/8	3/8	5
508588	--	5/8	1/2	5
508589	--	5/8	3/4	5
508590	--	3/4	1/2	5
508591	--	3/4	3/4	5

MALE PIPE 90° ELBOW

PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	PIPE THREAD	QTY
508295	05704B-C02	1/4	1/8	5
508296	05705B-C02	5/16	1/8	5
508297	05705B-C04	5/16	1/4	3
508968	05706B-C02	3/8	1/8	5
508298	05706B-C04	3/8	1/4	3
508905	05710B-C06	5/8	3/8	1

HOSE SPLICER

PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	PIPE THREAD	QTY
508575	--	3/16	--	5
508250	--	1/4	--	5
508251	--	5/16	--	5
508252	--	3/8	--	5
508576	--	1/2	--	5
508577	--	5/8	--	2
508578	--	3/4	--	2

REUSABLE SPlicer

PART NUMBER	HOSE I.D.	HOSE O.D.	PIPE THREAD	QTY
508735	1/4	1/2	--	2
508736	1/4	9/16	--	2
508737	3/8	11/16	--	2

REUSABLE MALE RIGID FITTING

PART NUMBER	HOSE I.D.	HOSE O.D.	PIPE THREAD	QTY
508738	1/4	1/2	1/4	2
508739	1/4	9/16	1/4	2
508740	3/8	11/16	1/4	2

INVERTED MALE CONNECTOR

PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	TUBE SIZE	QTY
508969	05705B-1598	5/16	1/4	5
508269	05705B-1560	5/16	5/16	5
508970	05705B-1561	5/16	3/8	5
508971	05706B-1568	3/8	5/16	5
508972	05706B-1570	3/8	3/8	5

INVERTED MALE ELBOW SWIVEL

PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	TUBE SIZE	QTY
508973	05704B-B64	1/4	1/4	3
508974	05704B-B65	1/4	5/16	3
508975	05705B-B65	5/16	5/16	3
508976	05706B-B65	3/8	5/16	3
508977	05706B-B66	3/8	3/8	3

SAE 45° FLARE CONNECTOR

PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	TUBE SIZE	QTY
508978	05706B-305	3/8	5/16	5

MALE STRAIGHT THREAD CONNECTOR

PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	THREAD SIZE	QTY
508979	05706B-1412	3/8	9/16-24	5
508980	05706B-1413	3/8	7/8-20	5
508981	05706B-1569	3/8	5/8-20	3

HOSE FITTING ASSORTMENTS

Low pressure air, fuel and oil applications for automotive, light trucks and small engines.

MALE PIPE HOSE ENDS			
Part No. 508004			
22 pieces • 11 items			
12038 plastic tray			
508288	508291	508294	508297
508289	508292	508295	508298
508290	508293	508296	
Numbers in assortment			

- Made from CA360 brass.
- Easy assembly - just push fitting into hose and clamp.

MASTER HOSE FITTINGS				
Part No. 501341				
60 pieces • 30 items				
12062 steel tray				
508250	508290	508296	508970	508976
508251	508291	508297	508971	508977
508252	508292	508298	508972	508978
508269	508293	508967	508973	508979
508288	508294	508968	508974	508980
508289	508295	508969	508975	508981
Numbers in assortment				

FASTUBE INSTANT AIR BRAKE FITTINGS

PSS090418 and PSS122718

FASTUBE INSTANT AIR BRAKE FITTINGS

- Working pressure to 250PSI.
- Applicable standard FMVSS-106.
- Working temperature -20F to +200F.
- Brass body with Buna-N O-Rings.
- Pre-applied Teflon-pipe sealant on all male pipe threads.
- DOT marked and approved (see below).
- Quick connect, simply push tubing in, no tools, or loose parts to handle in tight places.

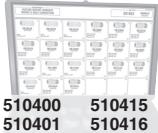
- Full flow design provides up to 60% more flow area than conventional fittings with internal tube supports.
- Brass construction elbows and tees are forged brass.
- Swivel elbows and tees for ease of orientation.
- Saves time - installs up to 80% faster than conventional fittings.

DOT Approved

*Complete Assortment Refills for Top "20" Assortment are available and are shipped in a corrugated tray (just add RF to Part No.)

				
Unions, Male Connectors, Elbows & Swivels				
Part No. 501556*				
38 pieces • 19 items				
12017 steel tray				
508605	510401	510417	510422	510434
508617	510402	510418	510429	510436
508721	510413	510420	510430	510437
510400	510414	510421	510433	

Numbers in assortment

	Unions & Male Connectors
	Part No. 501853
	21 pieces • 21 items
	12017 steel tray
510400	510415
510401	510416
510402	510417
510413	510418
510414	510419
510420	510472
510421	510473
510422	510474
510466	510625
510467	510630

Numbers in assortment

	Fastube Male Elbows 45° & 90°
	Part No. 501854
	24 pieces • 24 items
	12017 steel tray
510429	510434
510430	510435
510431	510436
510432	510437
510433	510458
510459	510478
510460	510487
510475	510483
510476	510640
510477	510641
510478	510641
510479	510476
510481	510485
510482	510486
510487	510487
510488	510488

Numbers in assortment

1. Air horns
2. Air operated mirrors
3. Wiper motors
4. Shutter stats
5. Air operated clutch fan

6. Fifth wheel
7. Operating gauges
8. Air operated seats
9. Air toggle switches
10. Heaters

Applications

11. Window opening & closing cylinders
12. Door locks
13. Cab tilt cylinders
14. Main frame air lines

15. Gear shift
16. Transmission
17. Suspension Systems

FEMALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510409	1866x4	1/4	1/8
510410	1866x4x4	1/4	1/4
510468	1866x6x2	3/8	1/8
510411	1866x6	3/8	1/4
510412	1866x6x6	3/8	3/8
510469	1866x8x4	1/2	1/4
510470	1866x8	1/2	3/8
510471	1866x8x8	1/2	1/2

MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510472	1868x2.5x1	5/32	1/16
510473	1868x2.5	5/32	1/8
510474	1868x3	3/16	1/8
510413	1868x4	1/4	1/8
510414	1868x4x4	1/4	1/4
510415	1868x4x6	1/4	3/8
510416	1868x6x2	3/8	1/8
510417	1868x6	3/8	1/4
510418	1868x6x6	3/8	3/8
510419	1868x6x8	3/8	1/2
510420	1868x8x4	1/2	1/4
510421	1868x8	1/2	3/8
510422	1868x8x8	1/2	1/2
510630	1868x10x6	5/8	3/8
510631	1868x10x8	5/8	1/2
510632	1868x12x8	3/4	1/2
510633	1868x12x12	3/4	3/4

MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510476	1869x2.5x1	5/32	1/16
510477	1869x2.5	5/32	1/8
510478	1869x3	3/16	1/8
510479	1869x4	1/4	1/8
510423	1869x4x4	1/4	1/4
510424	1869x4x6	1/4	3/8
510480	1869x6x2	3/8	1/8
510425	1869x6	3/8	1/4
510426	1869x6x6	3/8	3/8
510481	1869x6x8	3/8	1/2
510482	1869x8x4	1/2	1/4
510427	1869x8	1/2	3/8
510428	1869x8x8	1/2	1/2
510635	1869x10x6	5/8	3/8
510636	1869x10x8	5/8	1/2
510637	1869x12x8	3/4	1/2
510638	1869x12x12	3/4	3/4

SWIVEL MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510429	1869x4S	1/4	1/8
510430	1869x4x4S	1/4	1/4
510431	1869x4x6S	1/4	3/8
510432	1869x6x2S	3/8	1/8
510433	1869x6x6S	3/8	1/4
510434	1869x6x6S	3/8	3/8
510435	1869x6x8S	3/8	1/2
510475	1869x8x4S	1/2	1/4
510436	1869x8S	1/2	3/8
510437	1869x8x8S	1/2	1/2
510640	1869x10x6S	5/8	3/8
510641	1869x10x8S	5/8	1/2

FASTUBE INSTANT AIR BRAKE / BRASS FITTINGS

PSS090418 and PSS122718

FASTUBE INSTANT AIR BRAKE FITTINGS

UNION



PART NUMBER	INDUSTRY NUMBER	TUBE
510466	1862x2.5	5/32
510467	1862x3	3/16
510400	1862x4	1/4
510401	1862x6	3/8
510402	1862x8	1/2
510625	1862x10	5/8
510626	1862x12	3/4

UNION TEE



PART NUMBER	INDUSTRY NUMBER	TUBE
510403	1864x4	1/4
510404	1864x6	3/8
510405	1864x8	1/2
510628	1864x10	5/8

UNION ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE
510406	1865x4	1/4
510407	1865x6	3/8
510408	1865x8	1/2

FEMALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510438	1870x4	1/4	1/8
510439	1870x4x4	1/4	1/4
510488	1870x6x2	3/8	1/8
510440	1870x6	3/8	1/4
510441	1870x6x6	3/8	3/8
510489	1870x8x4	1/2	1/4
510490	1870x8	1/2	3/8
510491	1870x8x8	1/2	1/2

SWIVEL MALE BRANCH TEE



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510447	1872x4S	1/4	1/8
510448	1872x4x4S	1/4	1/4
510494	1872x6x2S	3/8	1/8
510449	1872x6S	3/8	1/4
510450	1872x6x6S	3/8	3/8
510498	1872x8x4S	1/2	1/4
510451	1872x8S	1/2	3/8
510495	1872x8x8S	1/2	1/2

SWIVEL 45° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510458	1880x4S	1/4	1/8
510459	1880x4x4S	1/4	1/4
510483	1880x6x2S	3/8	1/8
510460	1880x6S	3/8	1/4
510484	1880x6x6S	3/8	3/8
510485	1880x8x4S	1/2	1/4
510486	1880x8S	1/2	3/8
510487	1880x8x8S	1/2	1/2
510643	1880x10x8S	5/8	1/2

SWIVEL MALE RUN TEE



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510442	1871x4S	1/4	1/8
510443	1871x4x4S	1/4	1/4
510444	1871x6S	3/8	1/4
510445	1871x6x6S	3/8	3/8
510492	1871x8x4S	1/2	1/4
510446	1871x8S	1/2	3/8
510493	1871x8x8S	1/2	1/2

MALE BULKHEAD UNION



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510452	1874x4x4	1/4	1/2-20
510453	1874x6x6	3/8	5/8-18
510454	1874x8x8	1/2	3/4-16

FEMALE BULKHEAD UNION



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510461	N/A	1/4	1/8
510462	1873x4x4	1/4	1/4
510463	N/A	3/8	1/4
510496	1873x6x6	3/8	3/8
510497	N/A	1/2	3/8

AIR BRAKE FITTINGS FOR NYLON TUBING

Advantages:

Tubing needs no flaring or bending. No Special tools.

Pressure:

To 150 PSI

Used with: SAE J844 Nylon tubing Type 3A & 3B. Inserts required with Type 3B.

Assembly Notes:

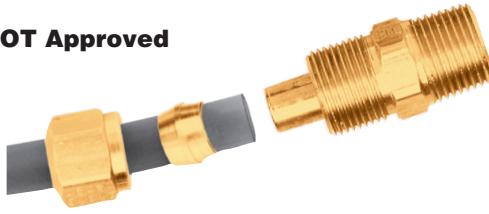
1. Be sure tubing is cut square.

2. Be certain battery acid won't drip on tubing.

Identifying characteristics:

DOT or AB designation stamped on nut. Short nut for use on nylon tubing only.

DOT Approved



SLEEVE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508426	1460x4	1/4	25
508427	1460x6	3/8	25
508428	1460x8	1/2	10
508429	1460x10	5/8	10
508430	1460x12	3/4	10

NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508436	1461x4	1/4	10
508437	1461x6	3/8	10
508438	1461x8	1/2	10
508439	1461x10	5/8	10
508440	1461x12	3/4	10

INSERT

Brass



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508431	1484x4	1/4	25
508432	1484x6	3/8	25
508433	1484x8	1/2	25
508434	1484x10	5/8	10
508435	1484x12	3/4	10

AIR BRAKE FITTINGS

AIR BRAKE FITTINGS FOR NYLON TUBING

UNION



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508441	1462x4	1/4	5
508442	1462x6	3/8	5
508443	1462x8	1/2	2
508444	1462x10	5/8	2
508445	1462x12	3/4	2

FEMALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	FEMALE PIPE THREAD	QTY
508471	1466x4	1/4	1/8	5
508472	1466x4x4	1/4	1/4	5
508473	1466x6x2	3/8	1/8	5
508474	1466x6	3/8	1/4	5
508475	1466x6x6	3/8	3/8	5
508476	1466x8	1/2	3/8	2
508477	1466x8x8	1/2	1/2	2
508478	1466x10x6	5/8	3/8	2
508479	1466x10	5/8	1/2	2
508480	1466x12	3/4	1/2	2

UNION TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508506	1464x4	1/4	2
509166	1464x6x6x4	3/8x3/8x1/4	1
508507	1464x6	3/8	2
508508	1464x8	1/2	2
509167	1464x8x8x6	1/2x1/2x3/8	1
508509	1464x10	5/8	2

MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
509160	1468x4x1	1/4	1/16	1
508446	1468x4	1/4	1/8	5
508447	1468x4x4	1/4	1/4	5
508448	1468x4x6	1/4	3/8	5
508449	1468x6x2	3/8	1/8	5
508450	1468x6	3/8	1/4	5
508451	1468x6x6	3/8	3/8	5
508452	1468x6x8	3/8	1/2	5
508453	1468x8x4	1/2	1/4	2
508454	1468x8	1/2	3/8	2
508455	1468x8x8	1/2	1/2	2
509161	1468x8x12	1/2	3/4	1
508456	1468x10x6	5/8	3/8	2
508457	1468x10	5/8	1/2	2
509169	1468x12	3/4	1/2	1
508458	1468x12x12	3/4	3/4	2

45° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
508481	1480x4	1/4	1/8	5
508482	1480x4x4	1/4	1/4	5
508483	1480x6x2	3/8	1/8	5
508484	1480x6	3/8	1/4	5
508485	1480x6x6	3/8	3/8	5
508486	1480x6x8	3/8	1/2	2
508487	1480x8	1/2	3/8	2
509170	1480x8x4	1/2	1/4	1
509168	1480x8x8	1/2	1/2	1
508488	1480x10	5/8	1/2	2

MALE RUN TEE



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
508510	1471x4	1/4	1/8	2
508511	1471x4x4	1/4	1/4	2
508512	1471x6	3/8	1/4	2
508513	1471x6x6	3/8	3/8	2
508514	1471x8	1/2	3/8	2
508515	1471x8x8	1/2	1/2	2
508516	1471x10	5/8	1/2	2

90° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
508459	1469x4	1/4	1/8	5
508460	1469x4x4	1/4	1/4	5
508461	1469x4x6	1/4	3/8	5
509162	1469x6x2	3/8	1/8	1
508462	1469x6	3/8	1/4	5
508463	1469x6x6	3/8	3/8	5
508464	1469x6x8	3/8	1/2	5
508465	1469x8x4	1/2	1/4	2
508466	1469x8	1/2	3/8	2
508467	1469x8x8	1/2	1/2	2
508468	1469x10x6	5/8	3/8	2
508469	1469x10	5/8	1/2	2
508470	1469x12	3/4	1/2	2

BULKHEAD UNION



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508497	1474x4	1/4	2
508498	1474x6	3/8	2
508499	1474x8	1/2	2



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508501	1465x4	1/4	5
508502	1465x6	3/8	5
508503	1465x8	1/2	2
508504	1465x10	5/8	2
508505	1465x12	3/4	2

INSERT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508570	--	1/4	25
508571	--	3/8	5
508572	--	1/2	5
508573	--	5/8	10
508574	--	3/4	10

Part No. 508006 76 pieces • 22 items 12017 steel tray				
508426	508433	508442	508450	508463
508427	508436	508443	508455	508466
508428	508437	508446	508459	
508431	508438	508447	508460	
508432	508441	508449	508462	
Numbers in assortment				

PTC COMPOSITE PUSH-IN AIR BRAKE FITTINGS

PSS032119

PTC COMPOSITE PUSH-IN AIR BRAKE FITTINGS

Advantages:

Meets performance requirements of D.O.T.
FMVSS 571.106, SAE J1131 and SAE J2494-3.

Applications: D.O.T. approved air brake fittings for servicing nylon brake and secondary air lines. Quick connecting push-in fittings for servicing works by fleets, repair shops and farm implements.



Temperature Range: -40° to +200°F.

Pressure: To 250 PSI

Used with: SAE J844 Type A & B nylon tubing.

Material: The composite body is strong, lightweight and impact resistant. The innovative collet design ensures positive grip on the tubing and the rigid stainless steel tube support stays in place for ease of proper assembly.

MALE ELBOW SWIVEL 90°



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
509500	1/4	1/8	1
509501	1/4	1/4	1
509502	1/4	3/8	1
509503	3/8	1/8	1
509504	3/8	1/4	1
509505	3/8	3/8	1
509506	3/8	1/2	1
509507	1/2	1/4	1
509508	1/2	3/8	1
509509	1/2	1/2	1
509510	5/8	3/8	1
509511	5/8	1/2	1
509512	3/4	1/2	1
509513	3/4	3/4	1

UNION TEE



PART NUMBER	TUBE SIZE	QTY
509529	1/4	1
509530	3/8	1
509531	1/2	1
509532	5/8	1

MALE BRANCH TEE SWIVEL



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
509548	1/4	1/8	1
509549	1/4	1/4	1
509550	1/4	3/8	1
509551	3/8	1/8	1
509552	3/8	1/4	1
509553	3/8	3/8	1
509554	1/2	1/4	1
509555	1/2x1/4	1/2	1
509556	1/2	3/8	1
509557	1/2	1/2	1
509558	5/8	1/2	1

FEMALE ELBOW SWIVEL 90°



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
509514	1/4	1/8	1
509515	1/4	1/4	1
509516	3/8	1/8	1
509517	3/8	1/4	1
509518	3/8	3/8	1
509519	1/2	3/8	1
509520	1/2	1/2	1

UNION ELBOW



PART NUMBER	TUBE SIZE	QTY
509533	3/8	1
509534	1/2	1

MALE ELBOW SWIVEL 45°



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
509559	1/4	1/8	1
509560	1/4	1/4	1
509561	1/4	3/8	1
509562	3/8	1/8	1
509563	3/8	1/4	1
509564	3/8	3/8	1
509565	3/8	1/2	1
509566	1/2	1/4	1
509567	1/2	3/8	1
509568	1/2	1/2	1
509569	5/8	3/8	1
509570	5/8	1/2	1
509571	3/4	1/2	1
509572	3/4	3/4	1

UNION Y



PART NUMBER	TUBE SIZE	QTY
509521	1/4	1
509522	3/8	1
509523	1/2	1

MALE RUN TEE SWIVEL



PART NUMBER	TUBE SIZE 1	TUBE SIZE 2	PIPE THREAD	QTY
509538	1/4	1/4	1/8	1
509539	1/4	1/4	1/4	1
509540	1/4	1/4	3/8	1
509541	3/8	3/8	1/4	1
509542	3/8	1/4	1/4	1
509543	3/8	3/8	3/8	1
509544	1/2	1/2	1/4	1
509545	1/2	1/2	3/8	1
509546	1/2	1/2	1/2	1
509547	5/8	5/8	1/2	1

UNION I



PART NUMBER	TUBE SIZE	QTY
509524	1/4	1
509525	3/8	1
509526	1/2	1
509527	5/8	1
509528	3/4	1

AIR BRAKE HOSE & FITTINGS / VALVES

REUSABLE AIR BRAKE HOSE FITTINGS - SLEEVE TYPE

**ASSEMBLY INSTRUCTIONS**

- Slide nut and sleeve onto hose, with bevel edge of sleeve facing insert fitting.
- Push hose into fitting until it bottoms.
- Tightens nut down completely.

ILLUSTRATION	PART NUMBER	INDUSTRY NUMBER	HOSE O.D.	HOSE I.D.	PIPE SIZE	QTY
Insert (Body Only)	508526	1391x6x6	3/4	3/8	3/8	2
	508527	1391x6x8	3/4	3/8	1/2	2
	508741	1391x8	7/8	1/2	3/8	2
	508742	1391x8x8	7/8	1/2	1/2	2
Nut	508528	33806-B	3/4	3/8	--	2
	508743	33808-B	7/8	1/2	--	2
Sleeve	508346	33806-A	3/4	3/8	--	2
	508744	33808-A	7/8	1/2	--	2
Spring Guard	508347	33806-C	3/4	3/8	--	2
	508348	33808-C	7/8	1/2	--	2
Male Connector	508340	33806B-Y24	3/4	3/8	1/4	2
	508341	33806B-Y26	3/4	3/8	3/8	2
	508342	33806B-Y28	3/4	3/8	1/2	2
	508745	33808B-Y26	7/8	1/2	3/8	2
Male Connector w/Spring Guard	508746	33808B-Y28	7/8	1/2	1/2	2
	508343	33806B-Y34	3/4	3/8	1/4	2
	508344	33806B-Y36	3/4	3/8	3/8	2
	508345	33806B-Y38	3/4	3/8	1/2	2
Hose Mender	508747	33808B-Y36	7/8	1/2	3/8	2
	508748	33808B-Y38	7/8	1/2	1/2	2
	508529	33806B-Y06	3/4	3/8	--	2
	508749	33808B-Y08	7/8	1/2	--	2

TYPE B AIR BRAKE HOSE

- For tractor to trailer air brake connections and air brake chambers.
- More flexible than rigid air brake tubing.
- Complies with SAE J-1402A and DOT FMVSS 106 specs.
- Pa. DOT approved.
- Specially formulated for all weather conditions.
- For use with the fittings shown above.
- Synthetic inner tube & cover multi fiber spiral reinforced.



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	HOSE O.D.	MAX. WORKING PRESSURE PSI	MAX. BURST PRESSURE PSI	MIN. BEND RADIUS	QTY
418148	H33806	3/8	3/4	225	900	3-1/2	50
418149	H33808	1/2	7/8	225	900	4	50

MANUAL FUEL TANK SELECTOR VALVES

- Quick, easy switch-over to auxiliary tanks.
- “Click mechanism” allows proper port selection without looking at the valve.
- Solid brass construction.



PART NUMBER	PIPE SIZE	VALVE STEM LENGTH	PORT
508350	1/4	7/8	4-way



PART NUMBER	PIPE SIZE	VALVE STEM LENGTH	PORT
508351	1/4	3-1/8	4-way



PART NUMBER	PIPE SIZE	VALVE STEM LENGTH	PORT
508352	1/4	7/8	3-way

O-RINGS**STANDARD CUT O-RINGS**

BUNA-N QTY	VITON QTY	ETHYLENE PROPYLENE QTY	IND. NO.	THICKNESS (INCHES)	I.D. (INCHES)	O.D. (INCHES)	BUNA-N QTY	VITON QTY	ETHYLENE PROPYLENE QTY	IND. NO.	THICKNESS (INCHES)	I.D. (INCHES)	O.D. (INCHES)
14003 25	15003 10	16003 10	003	1/16	1/16	3/16	14201 25	15201 10	16201 10	201	1/8	3/16	7/16
14004 25	15004 10	16004 10	004	1/16	5/64	13/64	14202 25	15202 10	16202 10	202	1/8	1/4	1/2
14005 25	15005 10	16005 10	005	1/16	3/32	7/32	14203 25	15203 10	16203 10	203	1/8	5/16	9/16
14006 50	15006 10	---	- 006	1/16	1/8	1/4	14204 25	15204 10	16204 10	204	1/8	3/8	5/8
14007 50	15007 10	---	- 007	1/16	5/32	9/32	14205 25	15205 10	16205 10	205	1/8	7/16	11/16
14008 50	15008 10	---	- 008	1/16	3/16	5/16	14206 25	15206 10	16206 10	206	1/8	1/2	3/4
14009 50	15009 10	---	- 009	1/16	7/32	11/32	14207 25	15207 10	16207 10	207	1/8	9/16	13/16
14010 50	15010 10	---	- 010	1/16	1/4	3/8	14208 25	15208 10	16208 10	208	1/8	5/8	7/8
14011 50	15011 10	---	- 011	1/16	5/16	7/16	14209 25	15209 10	16209 10	209	1/8	11/16	15/16
14012 50	15012 10	---	- 012	1/16	3/8	1/2	14210 50	15210 10	---	- 210	1/8	3/4	1
14013 50	15013 10	---	- 013	1/16	7/16	9/16	14211 50	15211 10	---	- 211	1/8	13/16	1-1/16
14014 25	15014 10	---	- 014	1/16	1/2	5/8	14212 50	15212 5	---	- 212	1/8	7/8	1-1/8
14015 50	15015 10	---	- 015	1/16	9/16	11/16	14213 50	15213 5	---	- 213	1/8	15/16	1-3/16
14016 25	15016 10	---	- 016	1/16	5/8	3/4	14214 24	15214 5	---	- 214	1/8	1	1-1/4
14017 50	15017 10	---	- 017	1/16	11/16	13/16	14215 24	15215 5	---	- 215	1/8	1-1/16	1-5/16
14018 25	15018 10	---	- 018	1/16	3/4	7/8	14216 24	15216 5	---	- 216	1/8	1-1/8	1-3/8
14019 25	15019 10	---	- 019	1/16	13/16	15/16	14217 25	15217 5	---	- 217	1/8	1-3/16	1-7/16
14020 25	15020 10	---	- 020	1/16	7/8	1	14218 24	15218 5	---	- 218	1/8	1-1/4	1-1/2
14021 25	15021 10	---	- 021	1/16	15/16	1-1/16	14219 24	15219 5	---	- 219	1/8	1-5/16	1-9/16
14022 25	15022 10	---	- 022	1/16	1	1-1/8	14220 24	15220 5	---	- 220	1/8	1-3/8	1-5/8
14023 25	15023 10	16023 10	023	1/16	1-1/16	3/16	14221 24	15221 5	---	- 221	1/8	1-7/16	1-11/16
14024 25	15024 10	16024 10	024	1/16	1-1/8	1-1/4	14222 12	15222 5	---	- 222	1/8	1-1/2	1-3/4
14025 25	15025 10	16025 10	025	1/16	1-3/16	1-5/16	14223 10	15223 5	---	- 223	1/8	1-5/8	1-7/8
14026 25	15026 10	16026 10	026	1/16	1-1/4	1-3/8	14224 12	15224 5	---	- 224	1/8	1-3/4	2
14027 25	15027 10	16027 10	027	1/16	1-5/16	1-7/16	14225 12	15225 5	---	- 225	1/8	1-7/8	2-1/8
14028 25	15028 10	16028 10	028	1/16	1-3/8	1-1/2	14226 12	15226 5	---	- 226	1/8	2	2-1/4
14029 25	15029 10	16029 10	029	1/16	1-1/2	1-5/8	14227 10	15227 5	---	- 227	1/8	2-1/8	2-3/8
14030 25	15030 10	16030 10	030	1/16	1-5/8	1-3/4	14228 12	15228 5	---	- 228	1/8	2-1/4	2-1/2
14031 25	15031 10	16031 10	031	1/16	1-3/4	1-7/8	14229 10	15229 5	---	- 229	1/8	2-3/8	2-5/8
14032 25	15032 10	16032 10	032	1/16	1-7/8	2	14230 10	15230 5	16230 5	230	1/8	2-1/2	2-3/4
14033 25	15033 10	16033 10	033	1/16	2	2-1/8	14231 10	15231 5	16231 5	231	1/8	2-5/8	2-7/8
14034 25	15034 10	16034 10	034	1/16	2-1/8	2-1/4	14232 10	15232 5	16232 5	232	1/8	2-3/4	3
14035 25	15035 10	16035 10	035	1/16	2-1/4	2-3/8	14233 10	15233 5	16233 5	233	1/8	2-7/8	3-1/8
14108 25	15108 10	---	- 108	3/32	1/4	7/16	14234 10	15234 5	16234 5	234	1/8	3	3-1/4
14109 25	15109 10	---	- 109	3/32	5/16	1/2	14235 10	15235 2	16235 5	235	1/8	3-1/8	3-3/8
14110 50	15110 10	---	- 110	3/32	3/8	9/16	14236 10	15236 2	16236 5	236	1/8	3-1/4	3-1/2
14111 50	15111 10	---	- 111	3/32	7/16	5/8	14237 10	15237 2	16237 5	237	1/8	3-3/8	3-5/8
14112 50	15112 10	---	- 112	3/32	1/2	11/16	14238 10	15238 2	16238 5	238	1/8	3-1/2	3-3/4
14113 50	15113 10	---	- 113	3/32	9/16	3/4	14239 10	15239 2	16239 5	239	1/8	3-5/8	3-7/8
14114 50	15114 10	---	- 114	3/32	5/8	13/16	14240 10	15240 2	16240 5	240	1/8	3-3/4	4
14115 50	15115 10	---	- 115	3/32	11/16	7/8	14241 10	15241 2	16241 5	241	1/8	3-7/8	4-1/8
14116 50	15116 10	---	- 116	3/32	3/4	15/16	14242 10	15242 2	16242 5	242	1/8	4	4-1/4
14117 25	15117 10	---	- 117	3/32	13/16	1	14243 10	15243 2	16243 5	243	1/8	4-1/8	4-3/8
14118 25	15118 10	---	- 118	3/32	7/8	1-1/16	14244 10	15244 2	16244 5	244	1/8	4-1/4	4-1/2
14119 25	15119 10	---	- 119	3/32	15/16	1-1/8	14245 10	15245 2	16245 5	245	1/8	4-3/8	4-5/8
14120 25	15120 10	---	- 120	3/32	1	1-3/16	14246 10	15246 2	16246 5	246	1/8	4-1/2	4-3/4
14121 25	15121 10	---	- 121	3/32	1-1/16	1-1/4	14247 10	15247 2	16247 5	247	1/8	4-5/8	4-7/8
14122 25	15122 10	---	- 122	3/32	1-1/8	1-5/16	14248 10	15248 2	16248 5	248	1/8	4-3/4	5
14123 25	15123 10	---	- 123	3/32	1-3/16	1-3/8	14249 10	15249 2	16249 5	249	1/8	4-7/8	5-1/8
14124 25	15124 10	---	- 124	3/32	1-1/4	1-7/16	14250 10	15250 2	16250 5	250	1/8	5	5-1/4
14125 25	15125 10	---	- 125	3/32	1-5/16	1-1/2	14251 10	15251 2	16251 2	251	1/8	5-1/8	5-3/8
14126 25	15126 10	---	- 126	3/32	1-3/8	1-9/16	14252 10	15252 2	16252 2	252	1/8	5-1/4	5-1/2
14127 25	15127 10	---	- 127	3/32	1-7/16	1-5/8	14253 10	15253 2	16253 2	253	1/8	5-3/8	5-5/8
14128 25	15128 10	---	- 128	3/32	1-1/2	1-11/16	14254 10	15254 2	16254 2	254	1/8	5-1/2	5-3/4
14129 25	15129 10	16129 10	129	3/32	1-9/16	1-3/4	14255 10	15255 2	16255 2	255	1/8	5-5/8	5-7/8
14130 25	15130 10	16130 10	130	3/32	1-5/8	1-13/16	14256 10	15256 2	16256 2	256	1/8	5-3/4	6
14131 25	15131 10	16131 10	131	3/32	1-11/16	1-7/8	14257 10	15257 2	16257 2	257	1/8	5-7/8	6-1/8
14132 25	15132 5	16132 10	132	3/32	1-3/4	1-15/16	14258 10	15258 2	16258 2	258	1/8	6	6-1/4
14133 25	15133 5	16133 10	133	3/32	1-13/16	2	14259 10	15259 2	16259 2	259	1/8	6-1/4	6-1/2
14134 25	15134 5	16134 10	134	3/32	1-7/8	2-1/16	14260 10	15260 2	16260 2	260	1/8	6-1/2	6-3/4
14135 25	15135 5	16135 10	135	3/32	1-15/16	2-1/8	14310 10	15310 5	16310 10	310	3/16	1/2	7/8
14136 25	15136 5	16136 10	136	3/32	2	2-3/16	14312 10	15312 5	16312 10	312	3/16	5/8	1
14137 25	15137 5	16137 10	137	3/32	2-1/16	2-1/4	14314 10	15314 5	16314 10	314	3/16	3/4	1-1/8
14138 25	15138 5	16138 10	138	3/32	2-1/8	2-5/16	14316 10	15316 5	16316 10	316	3/16	7/8	1-1/4
14139 25	15139 5	16139 10	139	3/32	2-3/16	2-3/8	14317 10	15317 5	16317 10	317	3/16	15/16	1-5/16
14140 25	15140 5	16140 10	140	3/32	2-1/4	2-7/16	14318 10	15318 5	16318 10	318	3/16	1	1-3/8
14141 25	15141 5	16141 10	141	3/32	2-5/16	2-1/2	14319 10	15319 5	16319 10	319	3/16	1-1/16	1-7/16
14142 25	15142 5	16142 10	142	3/32	2-3/8	2-9/16	14320 10	15320 5	16320 10	320	3/16	1-1/8	1-1/2
14143 25	15143 5	16143 10	143	3/32	2-7/16	2-5/8	14322 10	15322 2	16322 10	322	3/16	1-1/4	1-5/8
14144 25	15144 5	16144 10	144	3/32	2-1/2	2-11/16	14324 10	15324 2	16324 10	324	3/16	1-3/8	1-3/4
14145 25	15145 5	16145 10	145	3/32	2-9/16	2-3/4	14325 12	15325 2	---	325	3/16	1-1/2	1-7/8
14146 25	15146 5	16146 10	146	3/32	2-5/8	2-13/16	14326 12	15326 2	---	326	3/16	1-5/8	2
14147 25	15147 5	16147 10	147	3/32	2-11/16	2-7/8	14327 10	15327 2	---	327	3/16	1-3/4	2-1/8
14148 25	15148 5	16148											

O-RINGS

Contents of assortments are elevated for display purposes only.

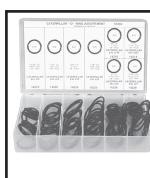
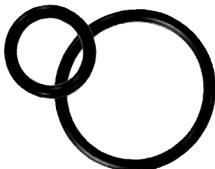
STANDARD CUT O-RINGS

BUNA-N QTY	VITON QTY	ETHYLENE PROPYLENE QTY	IND. NO.	THICKNESS (INCHES)	I.D. (INCHES)	O.D. (INCHES)
14332	10	15332	2	16332	.5332	3/16 2-3/8 2-3/4
14333	12	15333	2	16333	.5333	3/16 2-1/2 2-7/8
14334	10	15334	2	16334	.5334	3/16 2-5/8 3
14335	10	15335	2	16335	.5335	3/16 2-3/4 3-1/8
14337	10	15337	2	16337	.5337	3/16 .3 .3-3/8
14338	12	15338	2	16338	.5338	3/16 3-1/8 3-1/2
14339	10	15339	2	16339	.5339	3/16 3-1/4 3-5/8
14340	10	15340	2	16340	.5340	3/16 3-3/8 3-3/4
14341	10	15341	2	16341	.5341	3/16 3-1/2 3-7/8

BUNA-N QTY	VITON QTY	ETHYLENE PROPYLENE QTY	IND. NO.	THICKNESS (INCHES)	I.D. (INCHES)	O.D. (INCHES)
14342	10	15342	2	16342	.5342	3/16 3-5/8 4
14343	10	15343	2	16343	.5343	3/16 3-3/4 4-1/8
14344	10	15344	2	16344	.5344	3/16 3-7/8 4-1/4
14345	10	15345	2	16345	.5345	3/16 .4 4-3/8
14346	10	15346	2	16346	.5346	3/16 4-1/8 4-1/2
14347	10	15347	2	16347	.5347	3/16 4-1/4 4-5/8
14348	10	15348	2	16348	.5348	3/16 4-3/8 4-3/4
14349	10	15349	2	16349	.5349	3/16 4-1/2 4-7/8
14350	10	15350	2	16350	.5350	3/16 4-5/8 5

CATERPILLAR O-RING ASSORTMENTS

The right assortment for servicing Caterpillar heavy duty equipment.



Part No. 10304
80 pieces • 8 items
12049 plastic tray

14210 14222 14226
14214 14224 14228
14219 14225

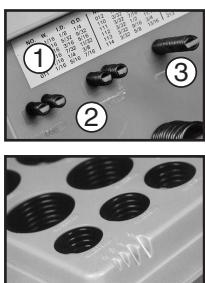
Numbers in assortment



Part No. 501463
145 pieces • 8 items
12061 steel tray

14210 14222 14226
14214 14224 14228
14219 14225

Numbers in assortment

O-RING ASSORTMENTS

Thickness gauge
built right into the
case itself, for quick
identification.



- ① Handy dimension chart by industry number.
- ② Industry number permanently imprinted in heavy duty plastic case.
- ③ O-Rings fit neatly on size post or in holes.

Industry Numbers in Assortments
14001, 15001 & 16001

006	009	012	112	115	211	214	217	220	325
007	010	110	113	116	212	215	218	221	326
008	011	111	114	210	213	216	219	222	327

Numbers in assortment

- THREE COMPOUNDS AVAILABLE -

**BUNA-N-70 DUROMETER
(NITRILE)**

Most Popular • General Purpose
Part No. 14001
382 pieces • 30 items

006 009 012 112 115 211 214 217 220 325
007 010 110 113 116 212 215 218 221 326
008 011 111 114 210 213 216 219 222 327

Numbers in assortment

**VITON-75 DUROMETER
(FLUOROCARBON)**

For Max Temperature & Chemical Resistance
Part No. 15001
382 pieces • 30 items

006 009 012 112 115 211 214 217 220 325
007 010 110 113 116 212 215 218 221 326
008 011 111 114 210 213 216 219 222 327

Numbers in assortment

**ETHYLENE PROPYLENE DUROMETER
(EPR, EPDM)**

For Non-Petroleum Based Fluids
Part No. 16001
382 pieces • 30 items

006 009 012 112 115 211 214 217 220 325
007 010 110 113 116 212 215 218 221 326
008 011 111 114 210 213 216 219 222 327

Numbers in assortment

BUNA-N O-RING ASSORTMENTS**Sizes: 1/8" I.D. through 11/16" I.D.**

Part No. 10301

120 pieces • 12 items

12027 plastic tray

14006 14009 14012 14015 211 214 217 220 325
14007 14010 14011 14013 212 215 218 221 326
14008 14011 14012 14014 213 216 219 222 327

Numbers in assortment

Sizes: 3/4" I.D. through 1-7/16" I.D.

Part No. 10302

96 pieces • 12 items

12029 plastic tray

14210 14213 14216 14219
14211 14214 14217 14220
14212 14215 14218 14221

Numbers in assortment

Sizes: 7mm I.D. x 30mm I.D.

Part No. 553435

72 pieces • 12 items

12030 plastic tray

553505 553516 553550 553564
553509 553546 553553 553567
553515 553549 553558 553572

Numbers in assortment

Small Diameter
Sizes: 1/8" I.D. through 1" I.D.

Part No. 501025

284 pieces • 22 items • 12017 steel tray

14006 14010 14015 14112 14116 14213
14007 14011 14017 14113 14210 14214
14008 14012 14110 14114 14211 14215
14009 14013 14111 14115 14212

Numbers in assortment

Large Diameter
Sizes: 1-1/16" I.D. through 3-1/8" I.D.

Part No. 501070

60 pieces • 15 items • 12050 steel tray

14215 14218 14221 14325 14331
14216 14219 14222 14326 14333
14217 14220 14224 14328 14338

Numbers in assortment

GREASE FITTINGS

AUTOMOTIVE GREASE FITTINGS

- Contains the most popular standard and metric grease fittings.

	Steel Part No. 415103 400 pieces • 18 items 12071 steel tray
10830 10834 10840 532094 532098 10831 10835 532091 532095 532099 10832 10836 532092 532096 10833 10838 532093 532097	Numbers in assortment

INDUSTRIAL GREASE FITTINGS

- Includes standard and giant button head styles.

	Steel Part No. 10809 294 pieces • 17 items 12017 steel tray
10830 10834 10838 10842 10857 10831 10835 10839 10847 10832 10836 10840 10848 10833 10837 10841 10856	Numbers in assortment

GREASE FITTING TOOL ASSORTMENTS

	Steel Part No. 10804 116 pieces • 12 items 12029 plastic tray
10830 10834 10840 10831 10835 10842 10832 10836 532091 10833 10838 532094	Numbers in assortment

	Steel w/Removing Tool Part No. 10805 117 pieces • 13 items 12029 plastic tray
10830 10834 10840 532091 10831 10835 10842 532094 10832 10836 10880 10833 10838	Numbers in assortment

SELF-TAPPING GREASE FITTINGS

	Steel Part No. 10951 35 pieces • 4 items 12024 plastic tray
10982 10983 10984 10985	Numbers in assortment

METRIC GREASE FITTINGS

	Steel Part No. 53206 48 pieces • 9 items 12030 plastic tray
532091 532094 532097 532092 532095 532098 532093 532096 532099	Numbers in assortment

GREASE FITTING and BRAKE BLEEDER SCREW CAPS

Prevent clogged grease fittings & brake bleeder screws

- Used on automotive, construction, farm, mining and industrial equipment.
- Red color is easy to see.
- Fits all grease fittings & brake bleeder screws.
- Constructed of high strength plastic.

CAP with Integral Retaining Ring
Keeps cap on fitting during service.

Part No.
10849 (100)



GREASE FITTING EASY-OUT TOOL

- Removes 5/16" and 3/8" hex.
- Retaps 1/4-28 std. thread
- Removes 1/4-28 std. thread.

Part No. 10880



GREASE FITTINGS

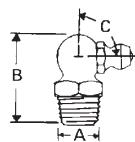
GREASE FITTINGS

For cars, trucks, machinery, industrial equipment.

FITTING
TYPE 1



FITTING
TYPE 2



FITTING
TYPE 3



HYDRAULIC

- Precision engineered to OEM specifications.
- Designed to give full-flow lubrication without restriction.

STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
10830	1	1/4-28 tapered	33/64	--
10975	1	1/4-28 tapered	11/16	--
10846	1	1/4-28 tapered	15/16	--
10831	1	1/4-28 tapered	1-1/8	--
10851	1	1/4-28 tapered	1-5/8	--
10832	2	1/4-28 tapered	13/16	45°
10833	2	1/4-28 tapered	29/32	45°
10834	2	1/4-28 tapered	3/4	90°
10976	1	1/4-28 UNF	1/2	--
10835	1	5/16-24 UNF	21/32	--
10837	1	3/8-24 UNF	21/32	--
10838	1	1/8 pipe	11/16	--
10977	1	1/8 pipe	1-1/4	--
10860	1	1/8 pipe	1-3/4	--
<hr/>				
STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
10987	1	1/8 pipe	2-5/8	--
10839	2	1/8 pipe	29/32	30°
10840	2	1/8 pipe	29/32	45°
10841	2	1/8 pipe	27/32	65°
10842	2	1/8 pipe	27/32	90°
10844	1	1/4 pipe	11/16	--
10836	1	3/16 drive	33/64	--
10981	1	1/4 drive	39/64	--
10858	1	5/16 drive	9/16	--
10859	1	3/8 drive	19/32	--
10982	1	1/8 self tapping	5/8	--
10983	1	1/4-28 self tapping	17/32	--
10984	2	1/4-28 self tapping	7/8	45°
10985	2	1/4-28 self tapping	47/64	90°

HYDRAULIC SELF-TAPPING

- Tapered drive threads reshape material in a untapped hole providing a leak proof seal.
- Installed by spinning or driven straight into untapped hole.

- Dyed yellow for identification.
- Maximum pressure 10,000 PSI

STAINLESS STEEL PART NUMBER	STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
---	10982	1	1/8 pipe	5/8	--
---	10983	1	1/4-28 tapered	17/32	--

STAINLESS STEEL PART NUMBER	STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
---	10984	2	1/4-28 tapered	7/8	45°
---	10985	2	1/4-28 tapered	47/64	90°

METRIC DIN 71412

STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
532091	1	6mm	13mm	--
532092	2	6mm	21mm	45°
532093	2	6mm	17mm	90°
532094	1	8mm	17mm	--
532095	2	8mm	21mm	45°
532096	2	8mm	17mm	90°
532097	1	10mm	18mm	--
532098	2	10mm	21mm	45°
532099	2	10mm	17mm	90°

STANDARD BUTTON HEAD

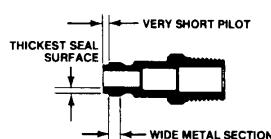
STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
10847	3	1/8 pipe	3/4	--
10848	3	1/4 pipe	53/64	--

AIR TOOLS / AIR-LINE COUPLERS & PLUGS

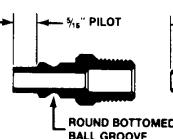
HOW TO IDENTIFY INTERCHANGE DESIGNS

Interchangeability of pneumatic couplings is determined by NIPPLE DESIGN. Learn to identify the basic nipple types & coupler and nipple interchange will become easy. There are (7) different designs currently used in the automotive market. (4) of these (7) cover 97% of all quick couplings used today. We provide complete interchange to the (4) primary designs. The three designs NOT covered are shown at the bottom of the page.

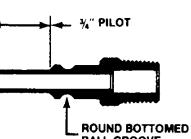
TRU-FLATE



ARO

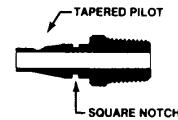


LINCOLN

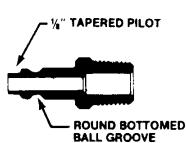


OTHER DESIGNS

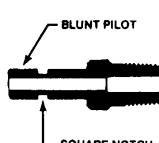
SCHRADER STANDARD



DIAMOND "U"



GRACO



HOW TO INTERCHANGE COUPLERS AND NIPPLES

1. The Design Selection

Like name designs, no matter which manufacturer, are interchangeable. NOTE: One DESIGN will NOT interchange with another design.

2. The Size Selection

There are three BODY SERIES sizes—Standard 1/4" and Heavy Duty 3/8" and 1/2". To interchange, the coupler and nipple must have the same body size.

3. Thread Size

To check size of pipe thread fittings, refer to catalog page B13-2.

HOW TO DETERMINE BODY SIZE/ COUPLER SIZE/BASIC SIZE

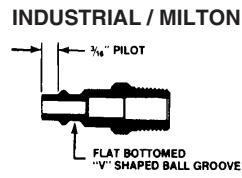
Coupler size is important, since too small a coupling can act as a restriction in the air line, reducing both the pressure and volume of air reaching the end of the hose. It is generally recommended that the body size of the coupler be matched to the I.D. of the hose being used. Thus 1/4" I.D. hose should be fitted with 1/4" I.D. couplings. Generally speaking, 3/16" I.D. hose should be fitted with 1/4" couplings, while 5/16" I.D. hose may be fitted with either 1/4" or 3/8" couplings, depending on the volume and pressure required at the end of the hose. 1/2" I.D. hose should be fitted with 1/2" couplings.

- Maximum Inlet Pressure: 300PSI
- Seals: Buna-N
- Maximum Temperature: 250°F

WARNING: COUPLERS IN THIS SECTION ARE FOR USE WITH SHOP AIR ONLY.

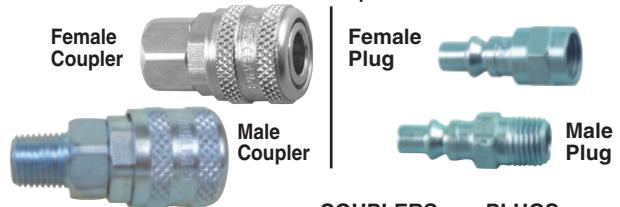
INDUSTRIAL / MILTON DESIGN

This design has been adopted by many coupler manufacturers, including Milton, Hansen, Aro, Lincoln, and Schrader. It will work with either "sleeve" type or "push" type couplers. No matter what the coupler looks like, if it mates with this nipple, it is an "Industrial / Milton Interchange" design. It can be identified by its 3/16" pilot and its flat-bottomed, "V"-shaped ball groove.



MILTON A-STYLE "210" STYLE SERIES

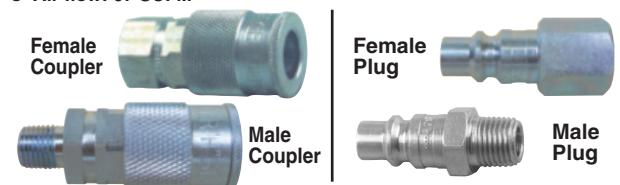
- Coupler is push type.
- Coupler bodies are steel plated to resist rust.
- Air flow: 34 SCFM
- Plugs are case hardened steel plated to resist rust.



COUPLERS		PLUGS	
CONNECTION	PART NUMBER	QTY	PART NUMBER
1/4 NPT Female	100775	5	100778
1/4 NPT Male	100776	1	100777

MILTON H-STYLE INDUSTRIAL INTERCHANGE SERIES

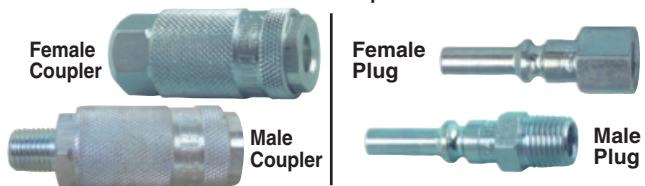
- Coupler bodies are steel plated to resist rust.
- Air flow: 67 SCFM
- Plugs are case hardened steel plated to resist rust.



COUPLERS		PLUGS	
CONNECTION	PART NUMBER	QTY	PART NUMBER
1/4 NPT Male	101834	1	101839
3/8 NPT Female	101835	1	101838
3/8 NPT Male	101836	1	101837

MILTON L-STYLE LINCOLN INTERCHANGE SERIES

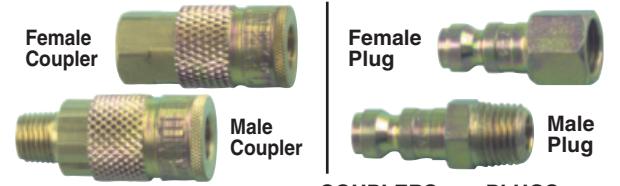
- Coupler is push type.
- Coupler bodies are steel plated to resist rust.
- Air flow: 32 SCFM
- Plugs are case hardened steel plated to resist rust.



COUPLERS		PLUGS	
CONNECTION	PART NUMBER	QTY	PART NUMBER
1/4 NPT Female	100790	5	100792
1/4 NPT Male	100794	1	100791

MILTON T-TRU-FLATE/PARKER INTERCHANGE SERIES

- Coupler bodies are brass.
- Air flow: 40 SCFM
- Plugs are case hardened steel plated to resist rust.



COUPLERS		PLUGS	
CONNECTION	PART NUMBER	QTY	PART NUMBER
1/4 NPT Female	100785	5	100784
1/4 NPT Male	100786	5	100783

AIR-LINE COUPLERS & PLUGS

MILTON G-STYLE INDUSTRIAL INTERCHANGE SERIES

- Coupler bodies are steel plated to resist rust.
- Air flow: 99 SCFM



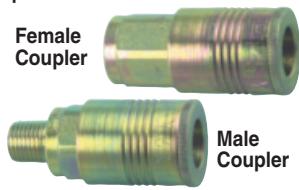
1/2"
**BASIC
SIZE**

CONNECTION	PART NUMBER	QTY	CONNECTION	PART NUMBER	QTY
3/8 NPT Female	101813	5	101860	10	
3/8 NPT Male	101814	5	101859	10	
1/2 NPT Female	101815	5	101858	10	
1/2 NPT Male	101816	5	101857	10	

COUPLERS PLUGS

MILTON P-STYLE TRU-FLATE/PARKER INTERCHANGE SERIES

- Coupler bodies are HD steel.
- Plugs are case hardened steel plated to resist rust.
- Bodies have 8 locking balls.
- Air flow: 68 SCFM



3/8"
**BASIC
SIZE**

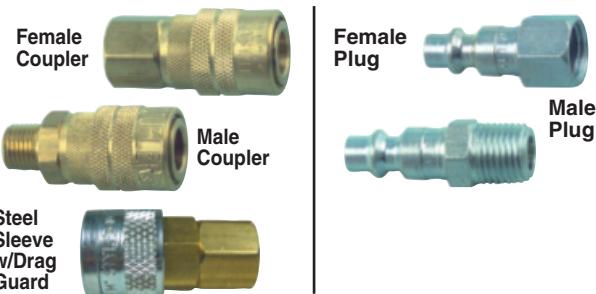
CONNECTION	PART NUMBER	QTY	CONNECTION	PART NUMBER	QTY
1/4 NPT Female	101803	5	101810	10	
1/4 NPT Male	101804	5	101809	10	
3/8 NPT Female	101805	5	101808	10	
3/8 NPT Male	101806	5	101807	10	

COUPLERS PLUGS

MILTON M-STYLE INDUSTRIAL INTERCHANGE SERIES

Milton M-style "kwik-change" couplers and plugs will interchange with all manufacturers who comply with the dimensional requirements of military specification MIL-C-4109.

- Coupler bodies are brass with brass sleeves.
- Plugs are case hardened steel plated to resist rust.
- Air flow: 40 SCFM



COUPLERS PLUGS

CONNECTION	PART NUMBER	QTY	CONNECTION	PART NUMBER	QTY
1/4 NPT Female	100715	5	100728	10	
1/4 NPT Male	100716	5	100727	10	

STEEL SLEEVE w/DRAG GUARD

CONNECTION	PART NUMBER	QTY
1/4 NPT Female	100755	5

INDUSTRIAL INTERCHANGE

FEATURES

Full opening tubular valve design permits maximum flow while protecting and supporting the seal. A built-in sleeve guard minimizes accidental disconnect.

APPLICATION

Industrial Interchange Quick Couplings are designed for air, water and other low pressure fluid systems and are used throughout industry. Most common is the connection of air tools to compressed air supplies. They are noted for their high flow capacity, reliability, compact size and rugged design.

INTERCHANGEABILITY

Quick Couplings are completely interchangeable with push-type couplings and with similar "Industrial interchange" couplings manufactured by Hansen, Foster, ARO, Brecco, Dyna-Quip, Hoffman, Lincoln and others that conform to MIL-C-4109 dimensional specifications.

FEMALE PIPE THREAD

COUPLERS



PART NO.	SIZE (IN.)	TYPE	FITS
108606	1/4	FPT	1/4" Hose
108670	3/8	FPT	1/4" Hose
108607	3/8	FPT	3/8" Hose
108608	1/2	FPT	1/2" Hose

MALE PIPE THREAD

COUPLERS



PART NO.	SIZE (IN.)	TYPE	FITS
108609	1/4	MPT	1/4" Hose
108671	3/8	MPT	1/4" Hose
108610	3/8	MPT	3/8" Hose
108611	1/2	MPT	1/2" Hose

FEMALE PIPE THREAD

NIPPLES



PART NO.	SIZE (IN.)	TYPE	FITS
108656	1/4	FPT	1/4" Couplers
108672	3/8	FPT	1/4" Couplers
108657	3/8	FPT	3/8" Couplers
108658	1/2	FPT	1/2" Couplers

MALE PIPE THREAD

NIPPLES



PART NO.	SIZE (IN.)	TYPE	FITS
108659	1/4	MPT	1/4" Couplers
108673	3/8	MPT	1/4" Couplers
108660	3/8	MPT	3/8" Couplers
108661	1/2	MPT	1/2" Couplers

STANDARD HOSE BARB

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108612	1/4	Couplers	1/4" Hose

STANDARD HOSE BARB

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108662	1/4	Nipple	1/4" Couplers

AIR-LINE COUPLERS

INDUSTRIAL INTERCHANGE BRASS PUSH LOCK

FEATURES

Push-type design allows one hand connection with the nipple, provided the coupler half is rigidly mounted. Featured are solid brass coupler bodies with full opening steel tubular valves that provide high air flow and 360° seal support.

APPLICATION

Push-Type Quick Couplings are designed for air, water and other low pressure fluid systems and are used throughout industry. Most common is the connection of air tools to the compressed air supplies. They are noted for their high flow capacity, reliability, compact size and rugged design.

INTERCHANGEABILITY

Completely interchangeable with industrial interchange couplings and with similar "Industrial Interchange" couplings manufactured by Hansen, Foster, Dyna-Quip and others that conform to MIL-C-4109 dimensional specifications.

TRU-FLATE

FEATURES

Couplings feature full-opening tubular valves for maximum flow while protecting and supporting the seal. A protective sleeve guard minimizes accidental disconnection.

APPLICATION

Tru-Flate Couplings are the original Tru-Flate design that is widely accepted in the automotive aftermarket. They feature a large diameter nipple bore and wider sealing area for longer valve seal life and improved flow rate. The most common application is the connection of air tools to compressed air supplies.

INTERCHANGEABILITY

Tru-Flate Couplers may be used only with Tru-Flate design nipples.

This design is easily recognized because it has the shortest nipple pilot in the industry; however, it has the widest metal section between the ball groove and the pilot. In addition, the sealing surface on the end of the nipple is wider than other "interchange" designs. This design provides better sealing characteristics and longer seal life.

ARO 210 INTERCHANGE

FEATURES

ARO Series couplings feature tubular valve in a coupler body that interchanges only with ARO 210 design couplers and nipples. Couplings are available only in 1/4" body size.

APPLICATIONS

ARO 210 Quick couplings are designed for air, water & other low pressure fluid systems.

This design is characteristic of the ARO 210 series, and requires a coupler of proper matching design. Although similar in appearance to the "Industrial / Milton Interchange" design, it can be easily distinguished because its pilot is 1/8" longer and its ball groove is nearly round.

FEMALE PIPE THREAD

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108613	1/4	FPT	1/4" Hose

MALE PIPE THREAD

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108614	1/4	MPT	1/4" Hose

FEMALE PIPE THREAD

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108656	1/4	FPT	1/4" Couplers

MALE PIPE THREAD

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108659	1/4	MPT	1/4" Couplers

FEMALE PIPE THREAD

COUPLERS



PART NO.	SIZE (IN.)	TYPE	FITS
108600	1/4	FPT	1/4" Hose
108601	3/8	FPT	3/8" Hose
108602	1/2	FPT	1/2" Hose

MALE PIPE THREAD

COUPLERS



PART NO.	SIZE (IN.)	TYPE	FITS
108603	1/4	MPT	1/4" Hose
108604	3/8	MPT	3/8" Hose
108605	1/2	MPT	1/2" Hose

FEMALE PIPE THREAD

NIPPLES



PART NO.	SIZE (IN.)	TYPE	FITS
108650	1/4	FPT	1/4" Couplers
108651	3/8	FPT	3/8" Couplers
108652	1/2	FPT	1/2" Couplers

MALE PIPE THREAD

NIPPLES



PART NO.	SIZE (IN.)	TYPE	FITS
108653	1/4	MPT	1/4" Couplers
108654	3/8	MPT	3/8" Couplers
108655	1/2	MPT	1/2" Couplers

FEMALE PIPE THREAD

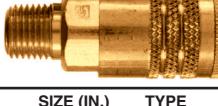
COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108615	1/4	FPT	1/4" Hose

MALE PIPE THREAD

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108616	1/4	MPT	1/4" Hose

FEMALE PIPE THREAD

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108665	1/4	FPT	1/4" Couplers

MALE PIPE THREAD

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108666	1/4	MPT	1/4" Couplers

AIR-LINE / HYDRAULIC QUICK COUPLERS

SAFETY COUPLERS

Allows 360° rotation of pneumatic tools.

1/4" BODY SIZE - FEMALE NPT

Put safety first by making dangerous hose whips a thing of the past, all with the push of a button.

Use for: Air tools, blow guns, or anywhere compressed air is used.

- Vents the air circuit & prevents injury.
- Prevents leakage, saves money on energy usage.
- May be used with existing plugs of the same profile type.
- Connect & disconnect with one hand.
- High impact composite material, will not scratch surfaces.
- Superior nitrile o-ring design.
- One push of a button, rapid & effortless use.
- Anti-static & lightweight.

Part No. 100697

Industrial Series

Same style as Milton 715

Replaces our

Part No.'s 100715 & 108606

BLUE button



Part No. 100699

ARO 210 Series

Same style as Milton 775

Replaces our

Part No.'s 100775 & 108615

YELLOW button



Part No. 100698

Tru-Flate Style

Same style as Milton 785

Replaces our

Part No.'s 100785 & 106000

RED button



Just one push of the button first releases air line pressure, then releases the fitting.

HYDRAULIC QUICK COUPLING DUST CAPS AND PLUGS

Used to protect hydraulic couplers and nipples.

- Keeps mating surface clean and free of contamination.
- Protects critical mating elements of the coupling halves when disconnected.
- Damaged nipples make coupling unusable.
- HD Rubber (Geolast) for durability and flexibility.
- No hydraulic quick coupling purchase is complete without a dust cap and plug.
- Dust plug: used on coupler (female side). Dust cap: used on nipple (male side).



Dust Cap



Dust Plug

BODY / HOSE SIZE	DUST PLUG PART NUMBER	DUST CAP PART NUMBER	QTY	QTY
1/4	108640	5	108645	5
3/8	108641	5	108646	5
1/2	108642	5	108647	5
3/4	108643	5	108648	5
1	108644	5	108649	5

BALL SWIVEL AIR HOSE CONNECTORS & FITTINGS

Used between tool and air supply hose.

- Eliminates kinking and twisting.
- Increase tool maneuverability - increased production capacity.
- Minimizes user fatigue - increases worker safety.
- Extend the life of hose - minimizes cost.
- Lightweight - connector portion is plated hardened steel, fitting is brass.
- No additional fittings needed.
- 360° rotation.
- Provides a 20 - 25% greater bend angle.
- Ball swivels provide a more natural range of motion.



SIZE	PART NUMBER	DESCRIPTION (COUPLER STYLE)
1/4 Body x 1/4 MPT	108630	Industrial Interchange Connector
1/4 Body x 1/4 MPT	108631	Tru-Flate Connector
1/4 Body x 1/4 MPT	108632	ARO Connector
1/4 FPT x 1/4 MPT	108633	Conversion Fitting
1/4 Barb x 1/4 MPT	108634	Barbed Fitting
5/16 Barb x 1/4 MPT	108635	Barbed Fitting
3/8 Barb x 1/4 MPT	108636	Barbed Fitting

HYDRAULIC QUICK COUPLINGS

Used to connect and disconnect fluid transfer lines primarily used with hydraulic fluid, chemicals, water, steam, and some gases.

- Double shut-off minimizes fluid loss.
- Coupler and nipple both have shut-off valves to ensure automatic opening and closing.
- Ideal for frequently connected and disconnected lines.
- Meets dimensional requirements for Series B in ISO 7241-1.
- Buna-N-seals w/Teflon back up rings.
- Hardened steel provides maximum resistance to damage from hydraulic and mechanical shock.
- Industrial interchange design.
- Used on construction equipment, machinery, snow plows, dump trucks, refuse hauling.
- Temperature range: -40° to +250°F.



Coupler



Nipple

COUPLERS		NIPPLES	
BODY/HOSE THREAD SIZE	PART NUMBER	PARKER NUMBER	PARKER NUMBER
1/4	1/4-18	108620	H2-62
3/8	3/8-18	108617	H3-62
1/2	1/2-14	108621	H4-62
3/4	3/4-14	108622	H6-62
1	1-11-1/2	108623	H8-62