

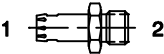
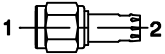
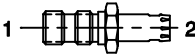
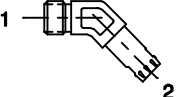
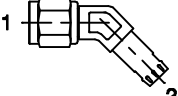
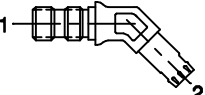
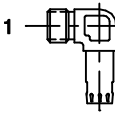
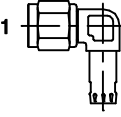
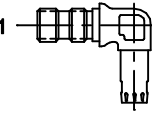
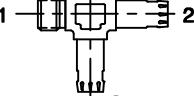
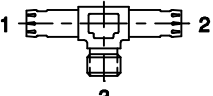
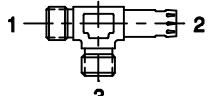
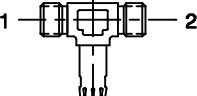
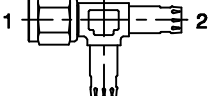
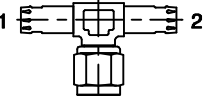
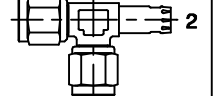
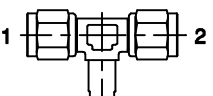
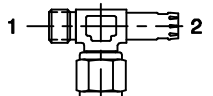
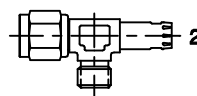
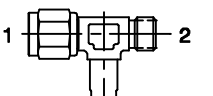
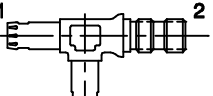
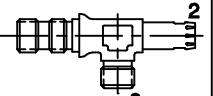
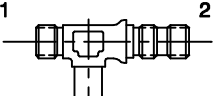
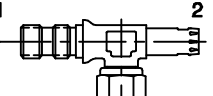
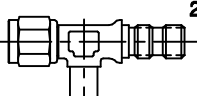
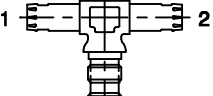
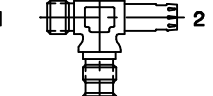
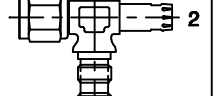
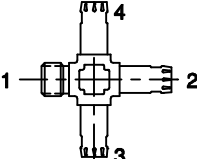
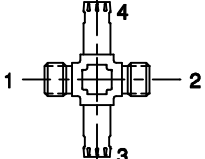


Adapters for 3000 psi rated Ext-Swage to 24 deg. Flareless Fittings

Fitting Shape	Port Sequence for Airdrome Part No. only (See Example of Part No.)				Airdrome Standard	Aerospace Standard
	1	2	3	4		
Coupling Nut					AP10006	
Sleeve	F	S			AP10106	
Straight	S	M			AP10110 *AP10121	AS5013
	F	S			AP10123 * AP10151	AS5267
	B	S			AP10105	
45 deg. Elbow	M	S			AP10356	
	F	S			AP10353	
	B	S			AP10335	
90 deg. Elbow	M	S			AP10329	
	F	S			AP10327	
	B	S			AP10331	
Tee	M	S	S		AP10559	
	S	S	M		AP10552	
	M	S	M		AP10580	
	M	M	S		AP10625	
	F	S	S		AP10567	
	S	S	F		AP10566	
	F	S	F		AP10582	
	F	F	S		AP10626	
	M	S	F		AP10568	
	F	S	M		AP10595	
	F	M	S		AP10562	
	S	B	S		AP10554	
	B	S	M		AP10628	
	M	B	S		AP10629	
	B	S	F		AP10631	
	F	B	S		AP10632	
S	S	B		AP10553		
M	S	B		AP10627		
F	S	B		AP10630		
Cross	M	S	S	S	AP10778	
	M	M	S	S	AP10781	

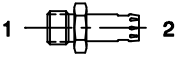
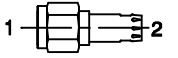
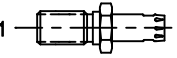
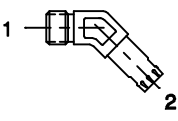
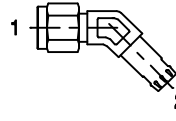
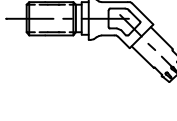
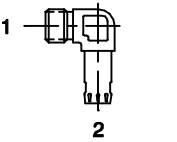
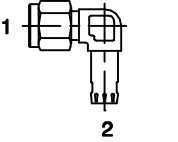
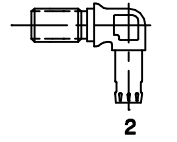
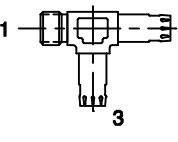
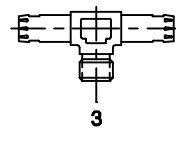
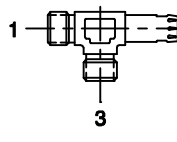
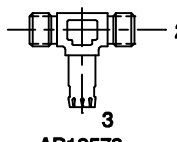
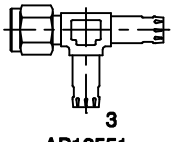
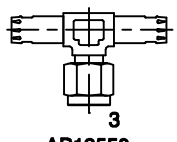
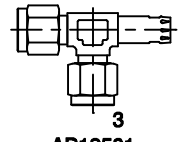
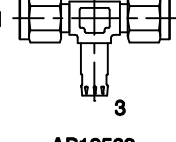
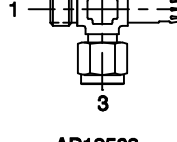
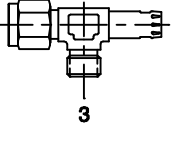
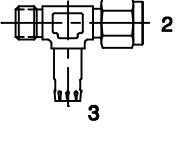
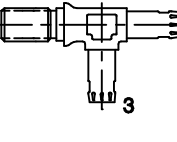
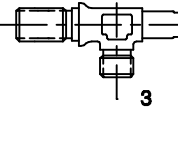
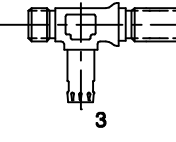
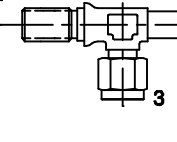
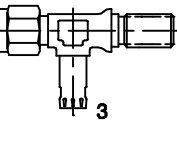
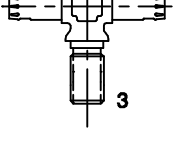
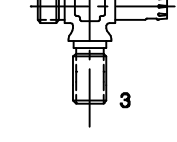
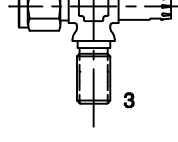
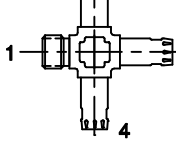
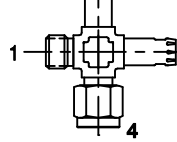
- Notes: 1. F = Female 24 deg. Flareless port,
M = Male 24 deg. Flareless port,
B = Bulkhead 24 deg. Flareless male port,
S = Ext-Swage port.
2. * = A different part number assigned for reducers.

					
AP10006	AP10106	AP10110/AP10121	AP10123/AP10151	AP10105	AP10356
					
AP10353	AP10335	AP10329	AP10327	AP10331	AP10559
					
AP10552	AP10580	AP10625	AP10567	AP10566	AP10582
					
AP10626	AP10568	AP10595	AP10562	AP10554	AP10628
					
AP10629	AP10631	AP10632	AP10553	AP10627	AP10630
					
AP10778	AP10781				

Adapters for 3000 psi rated Ext-Swage to 37 deg. Flared Fittings

Fitting Shape	Port Sequence for Airdrome Part No. only (See Example of Part No.)				Airdrome Standard	Aerospace Standard
	1	2	3	4		
Coupling Nut Sleeve					AP10006	
	F	S			AP10107	AS5012
Straight	M	S			AP10108	
	F	S			AP10174	AS5266
	B	S			AP10109	
45 deg. Elbow	M	S			AP10373	
	F	S			AP10352	
	B	S			AP10374	
90 deg. Elbow	M	S			AP10371	
	F	S			AP10325	
	B	S			AP10351	
Tee	M	S	S		AP10614	
	S	S	M		AP10550	
	M	S	M		AP10588	
	M	M	S		AP10615	
	F	S	S		AP10593	
	S	S	F		AP10590	
	F	S	F		AP10616	
	F	F	S		AP10617	
	M	S	F		AP10618	
	F	S	M		AP10589	
	M	F	S		AP10587	
	B	S	S		AP10594	
	B	S	M		AP10620	
	M	B	S		AP10621	
	B	S	F		AP10623	
F	B	S		AP10624		
S	S	B		AP10591		
M	S	B		AP10619		
F	S	B		AP10622		
Cross	M	S	S	S	AP10801	
	F	S	S	S	AP10802	
	B	S	S	S	AP10803	

Note: 1. F = Female 37 deg. Flared port,
M = Male 37 deg. Flared port,
B = Bulkhead 37 deg. Flared male port,
S = Ext-Swage port.

 <p>AP12103</p>	 <p>AP12102</p>	 <p>AP12104</p>	 <p>AP12335</p>	 <p>AP12329</p>	 <p>AP12334</p>
 <p>AP12336</p>	 <p>AP12327</p>	 <p>AP12328</p>	 <p>AP12559</p>	 <p>AP12552</p>	 <p>AP12560</p>
 <p>AP12573</p>	 <p>AP12551</p>	 <p>AP12550</p>	 <p>AP12561</p>	 <p>AP12562</p>	 <p>AP12563</p>
 <p>AP12564</p>	 <p>AP12565</p>	 <p>AP12554</p>	 <p>AP12566</p>	 <p>AP12567</p>	 <p>AP12568</p>
 <p>AP12569</p>	 <p>AP12570</p>	 <p>AP12571</p>	 <p>AP12572</p>	 <p>AP12776</p>	 <p>AP12777</p>

Adapters for 3000 psi rated Ext-Swage to Beam Seal Fittings

Fitting Shape	Port Sequence for Airdrome Part No. only (See Example of Part No.)				Airdrome Standard	Aerospace Standard
	1	2	3	4		
Straight	M	S			AP12103	AS4215
	F	S			AP12102	AS4234
	B	S			AP12104	AS4217
45 deg. Elbow	M	S			AP12335	AS4218
	F	S			AP12329	
	B	S			AP12334	AS4219
90 deg. Elbow	M	S			AP12336	AS4225
	F	S			AP12327	
	B	S			AP12328	AS4226
Tee	M	S	S		AP12559	
	S	S	M		AP12552	
	M	S	M		AP12560	
	M	M	S		AP12573	
	F	S	S		AP12551	
	S	S	F		AP12550	
	F	S	F		AP12561	
	F	F	S		AP12562	
	M	S	F		AP12563	
	F	S	M		AP12564	
	M	F	S		AP12565	
	B	S	S		AP12554	
	B	S	M		AP12566	
	M	B	S		AP12567	
	B	S	F		AP12568	
	F	B	S		AP12569	
	S	S	B		AP12570	
M	S	B		AP12571		
F	S	B		AP12572		
Cross	M	S	S	S	AP12776	
	M	S	S	F	AP12777	

Note: 1. F = Female Beam Seal port, M = Male Beam Seal port,
 B = Bulkhead Beam Seal male port,
 S = 3000 psi rated Ext-Swage port.

FITTING MATERIAL SELECTION

The 4000 psi rated Adapters and Permanent Ext-Swage fittings are offered in the following materials for use with various tubing materials, fluid and operating temperature:

MATERIAL AND CODING

Titanium	Code T	Indicates commercially pure Titanium per AMS4921.
Aluminum Alloy	Code D	Indicates 6061-T6 per QQ-A-225/8 except overaged to 23,000 and 33,000 psi yield strength.

COMPATIBILITY OF FITTING AND TUBING MATERIALS (Recommended tube wall per MIL-F-85421.) (Fitting Code) (Tubing material)

T	Titanium Alloy 3AL-2.5V per AMS4944 or similar.
D	Aluminum Alloy 6061-T6 per MIL-T-7081 or similar.

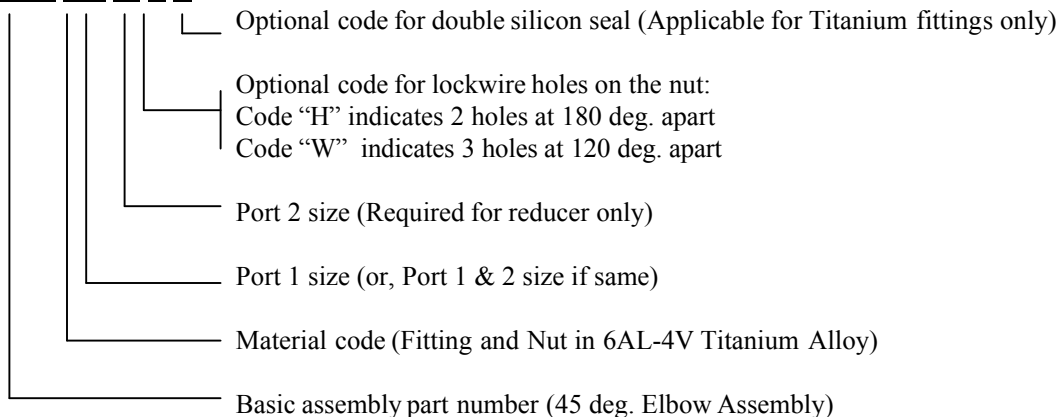
SIZE AND MATERIAL VERSUS OPERATING PRESSURE

Fitting/tubing operating pressures vary according to size and material. The following shows standard size range and corresponding operating pressures:

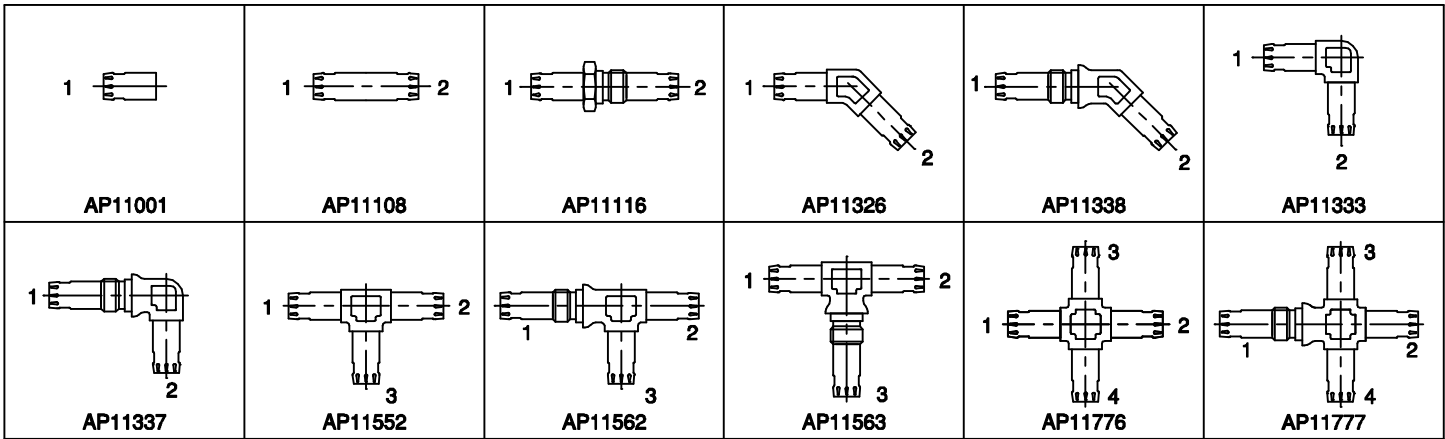
FITTING SIZE	TUBE O.D.	OPERATING PRESSURE (psi) PER FITTING MATERIAL	
		Titanium	Alum Alloy
04	1/4	4000	1000
06	3/8	4000	1000
08	1/2	4000	1000
10	5/8	4000	1000
12	3/4	4000	1000
16	1	4000	1000
20	1-1/4	4000	1000
24	1-1/2	2000	1000

EXAMPLE OF PART NUMBER FOR ORDERING FITTINGS

AP11336 T12 08 H Y



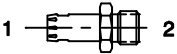
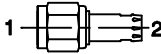
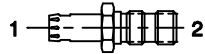
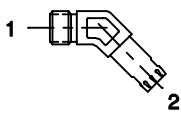
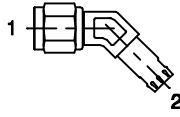
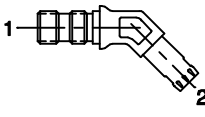
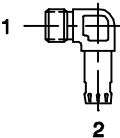
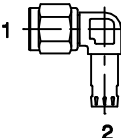
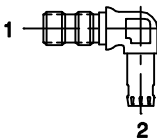
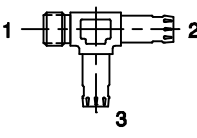
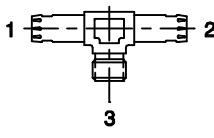
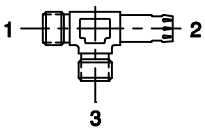
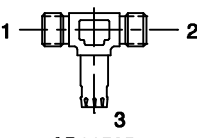
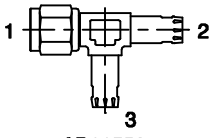
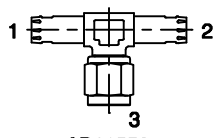
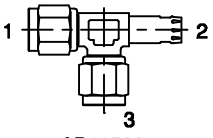
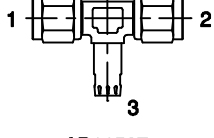
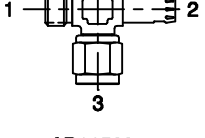
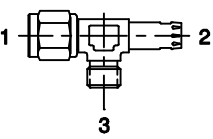
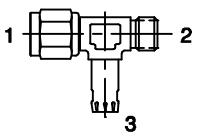
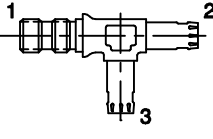
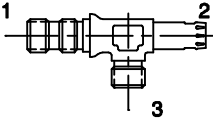
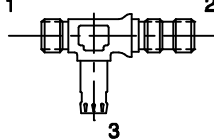
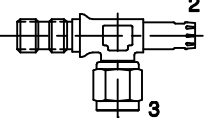
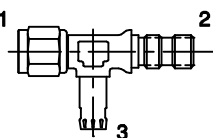
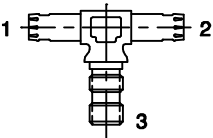
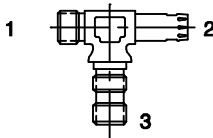
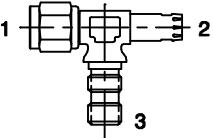
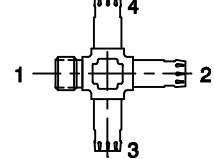
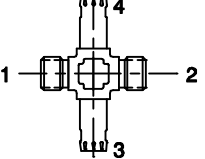
Note: Contact Airdrome Precision Components for special fitting configuration, material and/or size not listed in this catalog.



4000 psi rated Ext-Swage Fittings

Fitting Shape	Port Sequence for Airdrome Part No. only (See Example of Part No.)				Airdrome Standard
	1	2	3	4	
Cap	S				AP 11001
Straight	S	S			AP 11108
	S	B			AP 11116
45 deg. Elbow	S	S			AP 11326
	B	S			AP 11338
90 deg. Elbow	S	S			AP 11333
	B	S			AP 11337
Tee	S	S	S		AP 11552
	B	S	S		AP 11562
	S	S	B		AP 11563
Cross	S	S	S	S	AP 11776
	B	S	S	S	AP 11777

Note: 1. S = Ext-Swage port, B = Bulkhead Ext-Swage port.

 <p>1 2</p> <p>AP11106</p>	 <p>1 2</p> <p>AP11105</p>	 <p>1 2</p> <p>AP11107/AP11110</p>	 <p>1 2</p> <p>AP11339</p>	 <p>1 2</p> <p>AP11336</p>	 <p>1 2</p> <p>AP11332</p>
 <p>1 2</p> <p>AP11334</p>	 <p>1 2</p> <p>AP11331</p>	 <p>1 2</p> <p>AP11335</p>	 <p>1 2 3</p> <p>AP11558</p>	 <p>1 2 3</p> <p>AP11555</p>	 <p>1 2 3</p> <p>AP11564</p>
 <p>1 2 3</p> <p>AP11565</p>	 <p>1 2 3</p> <p>AP11556</p>	 <p>1 2 3</p> <p>AP11553</p>	 <p>1 2 3</p> <p>AP11566</p>	 <p>1 2 3</p> <p>AP11567</p>	 <p>1 2 3</p> <p>AP11568</p>
 <p>1 2 3</p> <p>AP11569</p>	 <p>1 2 3</p> <p>AP11560</p>	 <p>1 2 3</p> <p>AP11557</p>	 <p>1 2 3</p> <p>AP11561</p>	 <p>1 2 3</p> <p>AP11570</p>	 <p>1 2 3</p> <p>AP11571</p>
 <p>1 2 3</p> <p>AP11572</p>	 <p>1 2 3</p> <p>AP11554</p>	 <p>1 2 3</p> <p>AP11573</p>	 <p>1 2 3</p> <p>AP11574</p>	 <p>1 2 3 4</p> <p>AP11778</p>	 <p>1 2 3 4</p> <p>AP11779</p>

**Adapters for 4000 psi rated Ext-Swage
to 24 deg. Flareless Fittings**

Fitting Shape	Port Sequence for Airdrome Part No. (See Example of Part No.)				Airdrome Standard
	1	2	3	4	
Staright	S	M			AP11106
	F	S			AP11105
	S	B			AP11107 *AP11110
45 deg. Elbow	M	S			AP11339
	F	S			AP11336
	B	S			AP11332
90 deg. Elbow	M	S			AP11334
	F	S			AP11331
	B	S			AP11335
Tee	M	S	S		AP11558
	S	S	M		AP11555
	M	S	M		AP11564
	M	M	S		AP11565
	M	S	S		AP11556
	S	S	M		AP11553
	F	S	F		AP11566
	F	F	S		AP11567
	M	S	F		AP11568
	F	S	M		AP11569
	F	M	S		AP11560
	B	S	S		AP11557
	B	S	M		AP11561
	M	B	S		AP11570
	B	S	F		AP11571
	F	B	S		AP11572
S	S	B		AP11554	
M	S	B		AP11573	
F	S	B		AP11574	
Cross	M	S	S	S	AP11778
	M	M	S	S	AP11779

- Notes: 1. F = Female 24 deg. Flareless port,
M = Male 24 deg. Flareless port,
B = Bulkhead 24 deg. Flareless male port,
S = 4000 psi rated Ext-Swage port.
2. * = A different part number assigned for reducers.