

Tube Testers



Tube Testers Table of Contents

Page	Tube Testers	Aluminum Siphons	Boilers-Firetube	Boilers-Watertube	Chillers & Heat Exchangers	Feedwater Heaters	Fin Fan Coolers	Natural Gas Lines	Oil & Gas Lines	Process Transfer Lines	Sugar Mill Vacuum Pans	Surface Condensers
2	Models 5373 & 5373A Air Injected Tube Tester			●	●	●						●
5	Model 5556 Vacuum Tube Tester			●		●						
6	Models 5285 & 5523 High Pressure Test Plugs	●	●							●		
9	Model 5376 Vacuum Joint Tester			●	●	●						●

●-Recommended

○-Suitable

Models 5373 & 5373A Air Injected Tube Testers

Tube Size

- 0.500" to 2.500"
(12.7 to 63.5mm) OD

Elliott's Air Injected Tube Testers use supplied air pressure up to 125 PSI (8.5 bar) to quickly and easily test for leaks in tubes. Insert the seals into the corresponding tube ends and press the air valve, automatically locking the seals into the tubes. A drop of air pressure indicates a tube leak. The Air Injected Tube Testers save time. An operator is able to test up to ten tubes per minute.



Features & Benefits:

- Reliable - most commonly used method.
- Fast acting - lower labor cost.
- Seals sized to tube ID - positive seal.

Specifications:

- Air Requirements:
 - Minimum 40 PSI (2.7 bar)
 - Maximum 125 PSI (8.5 bar)

How To Order:

1. Specify tube size(s) to be tested. *See table on opposite page.*
2. Choose the appropriate tube tester:
 - 0.500" to 1.250" (12.7 to 31.7mm) tube OD Model 5373 Air Injected Tube Tester Package.
 - 1.375" to 2.500" (34.9 to 63.5mm) tube OD Model 5373A Air Injected Tube Tester Package.
3. Choose spares & accessories.

Both the 5373 and the 5373A Air Injected Tube Tester Packages include:

- Injection Gun
- Plugging Gun
- Regulator Assembly
- (3) Support Tube Sets
- Tool Box

To accommodate all tube sizes 0.500" to 1.250" OD (12.7 to 31.75mm) order Tube Tester Kit 5373-6-20. This kit includes the 5373 tube tester and two each of the seals covering that tube range. To accommodate all tube sizes 1.375" to 2.500" OD (34.9 to 63.5mm) order Tube Tester Kit 5373A22-40. This kit includes the 5373A tube tester and two each of the seals covering that tube range.

Spares & Accessories:

- Seal & Washer Sets - Recommended quantity of 1 set per 150 tubes to be tested. *See table on opposite page for part numbers.*
- Compression & Support Tubes: Ideal for making testing easier on channel head and water box applications.
- Support Tube Extensions: Ideal for making testing easier on channel head and water box applications.

Models 5373 & 5373A Air Injected Tube Testers

5373 Seal Sets		
Tube OD	BWG	Part #
1/2" (12.7mm)	8-9	
	10-11	
	12-13	5373-250
	14-15	5373-300
	16-17	5373-340
	18-19	5373-370
	20-24	5373-400
5/8" (15.9mm)	8-9	5373-270
	10-11	5373-340
	12-13	5373-370
	14-15	5373-440
	16-17	5373-470
	18-19	5373-500
3/4" (19.1mm)	8-9	5373-400
	10-11	5373-440
	12-13	5373-500
	14-15	5373-530
	16-17	5373-590
	18-19	5373-620
7/8" (22.2mm)	8-9	5373-530
	10-11	5373-590
	12-13	5373-620
	14-15	5373-690
	16-17	5373-720
	18-19	5373-750
1" (25.4mm)	8-9	5373-650
	10-11	5373-690
	12-13	5373-750
	14-15	5373-800
	16-17	5373-840
	18-19	5373-870
20-24	5373-900	
<i>Recommended quantity of 1 set for 150 tubes</i>		

5373 Seal Sets		
Tube OD	BWG	Part #
1-1/8" (28.6mm)	8-9	5373-780
	10-11	5373-840
	12-13	5373-870
	14-15	5373-940
	16-17	5373-970
	18-19	5373-1000
	20-24	5373-1030
1-1/4" (31.8mm)	8-9	5373-900
	10-11	5373-940
	12-13	5373-1000
	14-15	5373-1070
	16-17	5373-1090
	18-19	5373-1120
20-24	5373-1150	
5373A Seal Sets		
1-3/8" (34.9mm)	8-9	5373-1050
	10-11	5373-1090
	12-13	5373-1120
	14-15	5373-1190
	16-17	5373-1230
	18-19	5373-1250
	20-24	5373-1280
1-1/2" (38.1mm)	8-9	5373-1150
	10-11	5373-1190
	12-13	5373-1250
	14-15	5373-1310
	16-17	5373-1340
	18-19	5373-1370
	20-24	5373-1400
1-5/8" (41.3mm)	8-9	5373-1280
	10-11	5373-1340
	12-13	5373-1370
	14-15	5373-1440
	16-17	5373-1470
	18-19	5373-1500
	20-24	5373-1530
<i>Recommended quantity of 1 set for 150 tubes</i>		

5373A Seal Sets		
Tube OD	BWG	Part #
1-3/4" (44.5mm)	8-9	5373-1400
	10-11	5373-1470
	12-13	5373-1500
	14-15	5373-1550
	16-17	5373-1590
	18-19	5373-1620
	20-24	5373-1650
2" (50.8mm)	8-9	5373-1650
	10-11	5373-1700
	12-13	5373-1750
	14-15	5373-1800
	16-17	5373-1840
	18-19	5373-1870
2-1/4" (34.9mm)	20-24	5373-1900
	8-9	5373-1900
	10-11	5373-1950
	12-13	5373-2000
	14-15	5373-2050
	16-17	5373-2090
2-1/2" (63.5mm)	18-19	5373-2120
	20-24	5373-2150
	8-9	5373-2150
	10-11	5373-2200
	12-13	5373-2250
	14-15	5373-2290
	16-17	5373-2340
18-19	5373-2370	
20-24	5373-2400	
<i>Recommended quantity of 1 set for 150 tubes</i>		

Note: Seal sets contain two seals and four washers. Seal sets 5373-250 through 5373-440 contain four seals and four washers. Standard seal material is neoprene. Viton® seals are also available. Contact Customer Service for details.

Viton® is a registered trademark of Du pont Dow Elastomers.

Models 5373 & 5373A Air Injected Tube Testers

Spares & Accessories

Replacement Support Tube Sets & Optional Extensions					
Tube ID Range	4" (Std.) (101.6mm) Part #	12" (305mm) Part #	24" (610mm) Part #	36" (914mm) Part #	48" (1,219mm) Part #
0.280"-0.480" (7.1-12.3mm)	5373ST1	5373ST1-12	5373ST1-24	5373ST1-36	5373ST1-48
0.490"-0.830" (12.4-21.2mm)	5373ST2	5373ST2-12	5373ST2-24	5373ST2-36	5373ST2-48
0.840"-1.230" (21.3-31.2mm)	5373ST3	5373ST3-12	5373ST3-24	5373ST3-36	5373ST3-48
1.240"-1.630" (31.5-41.4mm)	5373ST4	5373ST4-12	5373ST4-24	5373ST4-36	5373ST4-48
1.640"-2.030" (41.6-51.6mm)	5373ST5	5373ST5-12	5373ST5-24	5373ST5-36	5373ST5-48
2.040"-2.530" (51.8-64.3mm)	5373ST6	5373ST6-12	5373ST6-24	5373ST6-36	5373ST6-48

Model 5556 Vacuum Tube Tester

Tube Size

- 0.280" to 1.450"
(7.1 to 36.8mm) ID

The Elliott 5556 Vacuum Tube Tester allows tubes with debris inside the tube to be tested efficiently. The tester utilizes a filter system to prevent debris from harming the tool. Filters are easily cleaned or replaced as necessary.

Operating the Vacuum Tube Tester is simple. With the supply air connected, press the control valve button. An integral vacuum generator quickly and efficiently evacuates the tube. Any loss of vacuum indicated on the tester's gauge indicates a tube leak. The tapered seal design allows the operator to test a large range of tube IDs without changing to different seals, washers, or support rods.

Features & Benefits:

- Quick method to check leaky tubes - less labor cost.
- Easy to operate - no special skills required.
- Less seal sets required - lower investment in stock.

How To Order:

1. Specify tube size(s) to be tested. *See table on the right.*
2. Order the 5556 Vacuum Tube Tester.
3. Choose spares & accessories.

The 5556 Vacuum Tube Tester Package includes:

- Vacuum Testing Gun
- (2) Seal and Washer Sets
- T-Handle Plugging Tool
- Tool Box

Spares & Accessories:

- Seal & Washer Sets - Recommended quantity of 1 set per 150 tubes to be tested. *See table on the right for part numbers.*
- Support Tube Extensions: Available for water box and channel head applications in lengths of 12", 24", 36", and 48". *See table on the right for part numbers.*
- 5556FE Filter Element: Quantity required depends on cleanliness of tube.



Specifications:

- Air Requirements:
 - Minimum 40 PSI (2.7 bar)
 - Maximum 130 PSI (8.9 bar)

Tube ID Range	Seal & Washer Set Part #
0.280"-0.690" (7.1-17.5mm)	5556S1
0.640"-1.450" (16.2-36.8mm)	5556S2
<i>Recommended quantity of 1 set for 150 tubes</i>	

Note: Standard seal material is neoprene. Viton® seals are also available. Contact Customer Service for details.

Support Tube Extensions				
Tube ID Range	12" (305mm) Part #	24" (610mm) Part #	36" (914mm) Part #	48" (1,219mm) Part #
0.280"-0.690" (7.1-17.5mm)	5556ST1-12	5556ST1-24	5556ST1-36	5556ST1-48
0.640"-1.450" (16.2-36.8mm)	5556ST2-12	5556ST2-24	5556ST2-36	5556ST2-48

Viton® is a registered trademark of Du pont Dow Elastomers.

Models 5285 & 5523 High Pressure Test Plugs

Tube Size

- 0.470" to 41.530"
(11.9 to 1054.9mm) ID

The High Pressure Test Plugs are ported to allow hydro testing of open end tubes and pipes at high pressure. The long wearing seals provide easy plug installation and removal.

The unique design provides uniform Gripper expansion assuring 100% contact between the Gripper and the pipe or tube wall. This results in lower installation torque requirements and will minimize tube wall damage.

All metal bearing surfaces are case hardened for increased abrasion resistance. Cadmium plating on all metal components provides increased corrosion protection. The brass washer and Fel-pro C5A lubricant protect threads and facilitate plug installation and removal. The oversized washer prevents the plug from falling into the pipe or tube.

Features & Benefits:

- Engineered design- eliminates welding.
- Replaceable seals- easy to maintain.
- Quick installation- reduces labor cost.

How To Order:

1. Specify tube size(s) to be tested. *See tables on pages 7-8.*
2. Choose the appropriate test plug:
0.470" to 0.929" (11.9 to 23.6mm) tube ID 5285 High Pressure Test Plug.
0.930" to 41.530" (23.6 to 1,054.9mm) tube ID 5523 High Pressure Test Plug.
3. Determine quantity needed.
4. Choose spares & accessories.

Spares & Accessories:

- Replacement Seals: Contact Customer Service for details.
- Gripper Sets: Contact Customer Service for details.



Specifications:

- Refer to tables on pages 7-8 for maximum test pressure requirements for the size specified.

Models 5285 & 5523 High Pressure Test Plugs

Tube ID Range		HP Test Plug Part #	Max. Test Pressure (PSI)	Thread Size N.P.T.
Inch	mm			
0.470-0.499	11.9-12.7	5285-470	6500	1/8M
0.500-0.529	12.7-13.4	5285-500	6500	1/8M
0.530-0.559	13.5-14.2	5285-530	6500	1/8M
0.560-0.599	14.2-15.2	5285-560	6500	1/8M
0.600-0.619	15.2-15.7	5285-600	6500	1/8M
0.620-0.649	15.8-16.5	5285-620	6500	1/8M
0.650-0.679	16.5-17.3	5285-650	6500	1/8M
0.680-0.719	17.3-18.3	5285-680	6500	1/8M
0.720-0.749	18.3-19.0	5285-720	6500	1/8M
0.750-0.779	19.1-19.8	5285-750	6500	1/8M
0.780-0.809	19.8-20.6	5285-780	6500	1/8M
0.810-0.829	20.6-21.1	5285-810	6500	1/8M
0.830-0.869	21.1-22.1	5285-830	6500	1/8M
0.870-0.899	22.1-22.8	5285-870	6500	1/8M
0.900-0.929	22.9-23.6	5285-900	6500	1/8M
0.930-1.000	23.6-25.4	5523-1P80	8600	1/8M
1.010-1.090	25.7-27.7	5523-1P40	6200	1/8M
1.070-1.200	27.2-30.5	5523-15PXXS	13900	1/8M
1.130-1.240	28.7-31.5	5523-125P160	9600	1/4M
1.250-1.330	31.8-33.8	5523-125P80	7200	1/4M
1.310-1.430	33.3-36.3	5523-15P160	9400	1/4M
1.410-1.490	35.8-37.9	5523-125P10	3900	3/8M
1.470-1.610	37.3-40.7	5523-2PXXS	12000	3/8M
1.580-1.660	40.1-42.2	5523-15P40	4600	3/8M
1.660-1.770	42.2-45.0	5523-2P160	9200	3/8M
1.740-1.910	44.2-48.5	5523-25PXXS	12600	3/8M
1.910-1.990	48.5-50.6	5523-2P80	5600	3/8M
1.980-2.060	50.3-52.3	5523-198T	*	3/8M
2.040-2.120	51.8-53.9	5523-2P40	3900	3/8M
2.100-2.220	53.3-56.3	5523-25P160	8200	3/8M
2.220-2.300	56.4-58.4	5523-2P5	1600	3/8M
2.270-2.450	57.7-62.2	5523-3PXXS	11100	3/8M
2.440-2.540	62.2-64.5	5523-25P40	4200	1/2M
2.530-2.630	64.3-66.8	5523-253T	*	1/2M
2.600-2.740	66.0-69.6	5523-3P160	7800	1/2M
2.680-2.780	68.1-70.6	5523-25P5	1600	1/2M
2.700-2.890	68.6-73.4	5523-35PXXS	10200	1/2M
2.870-2.980	72.9-75.7	5523-3P80	5200	1/2M
2.960-3.070	75.2-78.0	5523-296T	*	1/2M
3.040-3.140	77.2-79.8	5523-3P40	3700	1/2M
3.120-3.320	79.3-84.3	5523-4PXXS	9500	1/2M

Tube ID Range		HP Test Plug Part #	Max. Test Pressure (PSI)	Thread Size N.P.T.
Inch	mm			
3.230-3.340	82.0-84.8	5523-3P10	2000	1/2M
3.330-3.440	84.6-87.4	5523-35P80	4800	1/2M
3.410-3.570	86.6-90.7	5523-4P160	7400	1/2M
3.520-3.630	89.4-92.2	5523-35P40	3300	1/2M
3.600-3.740	91.4-95.0	5523-4P120	6000	1/2M
3.730-3.840	94.7-97.5	5523-35P10	1700	1/2M
3.800-3.910	96.5-99.3	5523-4P80	4500	1/2M
3.900-4.010	99.1-101.9	5523-390T	*	1/2M
4.000-4.110	101.6-104.4	5523-4P40	3100	1/2M
4.030-4.250	102.4-108.0	5523-5PXXS	8500	1/2M
4.230-4.340	107.4-110.2	5523-4P10	1500	1/2M
4.280-4.470	108.7-113.5	5523-4P5	1100	3/4M
4.420-4.580	112.3-116.3	5523-442T	*	3/4M
4.530-4.690	115.1-119.1	5523-5P120	5500	3/4M
4.660-4.820	118.4-122.4	5523-466T	*	3/4M
4.780-4.910	121.4-124.7	5523-5P80	4000	3/4M
4.870-5.110	123.7-129.8	5523-6PXXS	8200	3/4M
5.020-5.140	127.5-130.6	5523-5P40	2700	3/4M
5.140-5.260	130.6-133.6	5523-514T	*	3/4M
5.160-5.370	131.1-136.4	5523-6P160	6700	3/4M
5.270-5.390	133.9-136.9	5523-5P10	1400	3/4M
5.320-5.440	135.1-138.2	5523-5P5	1100	3/4M
5.340-5.510	135.6-140.0	5523-534T	*	3/4M
5.470-5.640	138.9-143.3	5523-6P120	5100	3/4M
5.620-5.760	142.7-146.3	5523-562T	*	3/4M
5.730-5.870	145.5-149.1	5523-6P80	3900	3/4M
5.880-6.030	149.4-153.2	5523-588T	*	3/4M
6.040-6.170	153.4-156.7	5523-6P40	2500	3/4M
6.180-6.320	157.0-160.5	5523-618T	*	3/4M
6.330-6.470	160.8-164.3	5523-6P10	1200	3/4M
6.380-6.520	162.1-165.6	5523-6P5	940	3/4M
6.530-6.670	165.9-169.4	5523-653T	*	3/4M
6.680-6.820	169.7-173.2	5523-668T	*	3/4M
6.780-7.040	172.2-178.8	5523-8P160	6400	3/4F
6.850-7.090	174.0-180.1	5523-8PXXS	6200	3/4F
6.970-7.200	177.0-182.9	5523-8P140	5700	3/4F
7.160-7.370	181.9-187.2	5523-8P120	5100	3/4F
7.300-7.480	185.4-190.0	5523-730T	*	3/4F
7.410-7.590	188.2-192.8	5523-8P100	4100	3/4F
7.600-7.750	193.0-196.9	5523-8P80	3400	3/4F
7.690-7.840	195.3-199.1	5523-769T	*	3/4F

*Note: * Sizes that do not have a test pressure listed differ from standard pipe sizes. These plug sizes are normally used to test tubing. For use of these sizes in tubing with a minimum yield strength of 35ksi, the maximum test pressure is estimated by the test pressure listed for the equivalent or next larger pipe O.D. with the equivalent or next thinner wall thickness. The test pressure for higher and lower strength tubes will differ proportionally. The maximum test pressure for higher strength tubes must never exceed the highest test pressure listed for the equivalent or next larger pipe size. NEVER use a test pressure greater than the weakest component in the system can safely handle.*

Models 5285 & 5523 High Pressure Test Plugs

Tube ID Range		HP Test Plug Part #	Max. Test Pressure (PSI)	Thread Size N.P.T.
Inch	mm			
7.780-7.930	197.6-201.4	5523-8P60	2800	3/4F
7.870-8.020	199.9-203.7	5523-787T	*	3/4F
7.950-8.100	201.9-205.7	5523-8P40	220	3/4F
8.040-8.190	204.2-208.0	5523-8P30	1900	3/4F
8.100-8.250	205.7-209.6	5523-8P20	1700	3/4F
8.200-8.350	208.3-212.1	5523-820T	*	3/4F
8.300-8.450	210.8-214.6	5523-8P10	980	3/4F
8.380-8.530	212.9-216.7	5523-8P5	720	3/4F
8.470-8.880	215.1-225.5	5523-10P160	6457	3/4M
8.720-9.090	221.5-230.9	5523-10PXXS	5684	3/4M
8.470-8.880	215.1-225.6	5523-10P160	6457	3/4M
8.720-9.090	221.5-230.9	5523-10PXXS	5684	3/4M
9.530-9.800	242.1-248.9	5523-10P80	3264	3/4M
9.990-10.21	253.8-259.3	5523-10P40	1966	3/4M
9.720-10.25	242.1-248.9	5523-10PXS	2725	3/4M
10.09-10.55	256.3-268.0	5523-12P160	6340	3/4M
10.72-11.09	272.3-281.7	5523-12PXXS	4732	3/4M
11.34-11.64	288.0-295.7	5523-12P80	3184	3/4M
11.72-11.97	297.7-304.0	5523-12PXS	2282	3/4M
11.91-12.13	302.5-308.1	5523-12P40	1840	3/4M
11.97-12.19	304.0-309.6	5523-12PSTD	1695	3/4M
12.97-13.22	329.4-335.8	5523-12PXS	2071	3/4M
13.22-13.44	335.8-341.4	5523-14PSTD	1540	3/4M
14.97-15.22	380.2-386.6	5523-16PXXS	1805	3/4M

Tube ID Range		HP Test Plug Part #	Max. Test Pressure (PSI)	Thread Size N.P.T.
Inch	mm			
15.22-15.44	386.6-392.2	5523-16PSTD	1343	3/4M
16.97-17.22	431.0-437.4	5523-18PXS	1599	2M
17.22-17.44	437.4-443.0	5523-18PSTD	1191	2M
18.97-19.25	481.8-489.0	5523-20PXS	1435	2M
19.22-19.47	488.2-494.5	5523-20PSTD	1070	2M
20.97-21.25	532.6-539.8	5523-22PXS	1302	2M
21.22-21.47	539.0-545.3	5523-22PSTD	971	2M
22.97-23.25	583.4-590.6	5523-24PXS	1191	2M
23.22-23.47	589.8-596.1	5523-24PSTD	889	2M
24.97-25.25	634.2-641.4	5523-26PXS	1098	2M
25.22-25.47	640.6-646.9	5523-26PSTD	819	2M
26.97-27.28	685.0-692.9	5523-28PXS	1018	2M
27.22-27.50	691.4-698.5	5523-28PSTD	760	2M
28.97-29.28	735.8-743.7	5523-30PXS	949	2M
29.22-29.50	742.2-749.3	5523-30PSTD	709	2M
30.97-31.28	431.0-437.4	5523-34PXS	889	2M
31.22-31.50	793.09-800.1	5523-32PSTD	664	2M
32.97-33.28	837.4-845.3	5523-32PXS	836	2M
33.22-33.50	843.8-850.9	5523-34PSTD	624	2M
34.97-35.31	888.2-896.87	5523-36PXS	789	2M
35.22-35.53	894.6-902.5	5523-36PSTD	589	2M
40.97-41.31	1040.6-1049.3	5523-42PSX	675	2M
41.22-41.53	1047.0-1054.9	5523-42PSTD	504	2M

Note: * Sizes that do not have a test pressure listed differ from standard pipe sizes. These plug sizes are normally used to test tubing. For use of these sizes in tubing with a minimum yield strength of 35ksi, the maximum test pressure is estimated by the test pressure listed for the equivalent or next larger pipe O.D. with the equivalent or next thinner wall thickness. The test pressure for higher and lower strength tubes will differ proportionally. The maximum test pressure for higher strength tubes must never exceed the highest test pressure listed for the equivalent or next larger pipe size. NEVER use a test pressure greater than the weakest component in the system can safely handle.

Model 5376 Vacuum Joint Tester

Tube Size

- 0.500" to 2.500"
(12.7 to 63.5mm) OD

The Elliott 5376 Vacuum Joint Tester is quick and easy to use, allowing operators to test up to 10 tube joints per minute! Just insert the seal into the tube and press the air control valve to expand the seal inside the tube. Press the control valve to divert the air through a venturi, creating a vacuum around the tube joint area. Any reduction in vacuum shown on the tool's gauge indicates a faulty tube joint.

Features & Benefits:

- Reliable - most commonly used method.
- Seals sized to tube ID - more positive seal.

How To Order:

1. Specify tube size(s) to be tested. *See tables on pages 10-11.*
2. Order the 5376 Vacuum Joint Tester.
3. Choose spares & accessories.

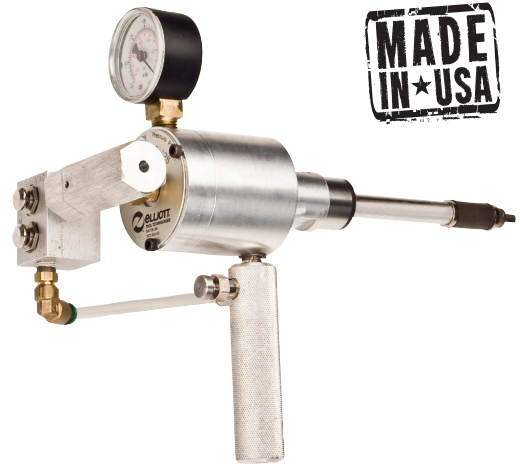
The 5376 Vacuum Joint Tester Package includes:

- Cylinder with Manifold and Manifold Seal
- Vacuum Attachment
- Tool Box

To accommodate tube sizes 0.500" to 1.250" (12.7 to 31.7mm) order tube joint tester kit 5376-6-20. This kit includes the testing gun, one each of the manifolds, manifold seals, and seals covering that tube range.

Spares & Accessories:

- Seal & Washer Sets - Recommended quantity of 1 set per 150 tubes to be tested. A set contains 2 seals and 4 washers. *See tables on pages 10-11.*
- Manifold Seal
- Manifold
- Manifold Extension Set: Ideal when a water box or channel head is present. *See tables on pages 10-11.*



Specifications:

- Air Requirements:
 - Minimum 40 PSI (2.7 bar)
 - Maximum 125 PSI (8.5 bar)

Model 5376 Vacuum Joint Tester

5376 Vacuum Joint Tester					
Tube OD	BWG	Joint Tester Part #	Manifold Part #	Manifold Seal Part #	Seal Part #
1/2" (12.7mm)	12-13	5376-8	5377-8	5378-8	5373-250
	14-15				5373-300
	16-17				5373-340
	18-19				5373-370
	20-24				5373-400
5/8" (15.9mm)	8-9	5376SP10	5377SP10	5378-10	5373-270
	10-11				5373-340
	12-13				5373-370
	14-15	5376-10	5377-10		5373-440
	16-17				5373-470
	18-19				5373-500
20-24		5373-530			
3/4" (19.1mm)	8-9	5376-12	5377-12	5378-12	5373-400
	10-11				5373-440
	12-13				5373-500
	14-15				5373-530
	16-17				5373-590
	18-19				5373-620
20-24	5373-650				
7/8" (22.2mm)	8-9	5376-14	5377-14	5378-14	5373-530
	10-11				5373-590
	12-13				5373-620
	14-15				5373-690
	16-17				5373-720
	18-19				5373-750
	20-24				5373-780
<i>Recommended quantity of 1 seal set for 150 tubes</i>					

5376 Vacuum Joint Tester					
Tube OD	BWG	Joint Tester Part #	Manifold Part #	Manifold Seal Part #	Seal Part #
1" (25.4mm)	8-9	5376-16	5377-16	5378-16	5373-650
	10-11				5373-690
	12-13				5373-750
	14-15				5373-800
	16-17				5373-840A
	18-19				5373-870A
20-24	5373-900A				
1-1/8" (28.6mm)	8-9	5376-18	5377-18	5378-18	5373-780A
	10-11				5373-840
	12-13				5373-870
	14-15				5373-940
	16-17				5373-970
	18-19				5373-1000
20-24	5373-1030				
1-1/4" (31.8mm)	8-9	5376-20	5377-20	5378-20	5373-900
	10-11				5373-940
	12-13				5373-1000
	14-15				5373-1070
	16-17				5373-1090
	18-19				5373-1120
20-24	5373-1150				
<i>Recommended quantity of 1 seal set for 150 tubes</i>					

Sizes continued on following page

Note: Standard seal material is neoprene. Viton® seals are also available. Contact Customer Service for details.

Manifold Extension Sets	
Length	Manifold Extension Part #
1 ft.	5377E1
2 ft.	5377E2
3 ft.	5377E3
4 ft.	5377E4
<i>Note: Ideal when a water box or channel head is present.</i>	

Viton® is a registered trademark of Du pont Dow Elastomers

Model 5376 Vacuum Joint Tester

5376 Vacuum Joint Tester					
Tube OD	BWG	Joint Tester Part #	Manifold Part #	Manifold Seal Part #	Seal Part #
1-3/8" (34.9mm)	8-9	5376-22	5377-22	5378-22	5373-1030
	10-11				5373-1090
	12-13				5373-1120
	14-15				5373-1190
	16-17				5373-1230
	18-19				5373-1250
	20-24				5373-1280
1-1/2" (38.1mm)	8-9	5376-24	5377-24	5378-24	5373-1150
	10-11				5373-1190
	12-13				5373-1250
	14-15				5373-1310
	16-17				5373-1340
	18-19				5373-1370
	20-24				5373-1400
1-5/8" (34.9mm)	8-9	5376-26	5377-26	5378-26	5373-1280
	10-11				5373-1340
	12-13				5373-1370
	14-15				5373-1440
	16-17				5373-1470
	18-19				5373-1500
	20-24				5373-1530
1-3/4" (44.4mm)	8-9	5376-28	5377-28	5378-28	5373-1400
	10-11				5373-1440
	12-13				5373-1500
	14-15				5373-1550
	16-17				5373-1590
	18-19				5373-1620
	20-24				5373-1650
<i>Recommended quantity of 1 seal set for 150 tubes</i>					

5376 Vacuum Joint Tester					
Tube OD	BWG	Joint Tester Part #	Manifold Part #	Manifold Seal Part #	Seal Part #
2" (50.8mm)	8-9	5376-32	5377-32	5378-32	5373-1650
	10-11				5373-1700
	12-13				5373-1750
	14-15				5373-1800
	16-17				5373-1840
	18-19				5373-1870
	20-24				5373-1900
2-1/4" (57.1mm)	8-9	5376-36	5377-36	5378-36	5373-1900
	10-11				5373-1950
	12-13				5373-2000
	14-15				5373-2050
	16-17				5373-2090
	18-19				5373-2120
	20-24				5373-2150
2-1/2" (63.5mm)	8-9	5376-40	5377-40	5378-40	5373-2150
	10-11				5373-2200
	12-13				5373-2250
	14-15				5373-2290
	16-17				5373-2340
	18-19				5373-2370
	20-24				5373-2400
<i>Recommended quantity of 1 seal set for 150 tubes</i>					

Note: Standard seal material is neoprene. Viton® seals are also available. Contact Customer Service for details.

Manifold Extension Sets	
Length	Manifold Extension Part #
1 ft.	5377E1
2 ft.	5377E2
3 ft.	5377E3
4 ft.	5377E4
<i>Note: Ideal when a water box or channel head is present.</i>	

Viton® is a registered trademark of Du Pont Dow Elastomers

Conversion Tables

Chart to Determine Inside Diameter of Tubes*

B.W.G.	Wall Thickness	Outside Diameter Tubes																				
		1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"	4 1/4"	4 1/2"
		6.35	9.52	12.70	15.87	19.05	22.22	25.40	31.75	38.10	44.45	50.80	57.15	63.50	69.85	76.20	82.55	88.90	95.25	101.60	107.95	114.30
00	inch	0.380					0.115	0.240	0.490	0.740	0.990	1.240	1.490	1.740	1.990	2.240	2.490	2.740	2.990	3.240	3.490	3.740
	mm	9.65					2.92	6.10	12.45	18.80	25.15	31.50	37.85	44.20	50.55	56.90	63.25	69.60	75.95	82.30	88.65	95.00
0	inch	0.340				0.070	0.195	0.320	0.570	0.820	1.070	1.320	1.570	1.820	2.070	2.320	2.570	2.820	3.070	3.320	3.570	3.820
	mm	8.64				1.78	4.95	8.13	14.48	20.83	27.18	33.53	39.88	46.23	52.58	58.93	65.28	71.63	77.98	84.33	90.68	97.03
1	inch	0.300			0.025	0.150	0.275	0.400	0.650	0.900	1.150	1.400	1.650	1.900	2.150	2.400	2.650	2.900	3.150	3.400	3.650	3.900
	mm	7.62			0.64	3.81	6.99	10.16	16.51	22.86	29.21	35.56	41.91	48.26	54.61	60.96	67.31	73.66	80.01	86.36	92.71	99.06
2	inch	0.284				0.057	0.182	0.307	0.432	0.682	0.932	1.182	1.432	1.682	1.932	2.182	2.432	2.682	2.932	3.182	3.432	3.682
	mm	7.21				1.45	4.62	7.80	10.97	17.32	23.67	30.02	36.37	42.72	49.07	55.42	61.77	68.12	74.47	80.82	87.17	93.52
3	inch	0.259				0.107	0.232	0.357	0.482	0.732	0.982	1.232	1.482	1.732	1.982	2.232	2.482	2.732	2.982	3.232	3.482	3.732
	mm	6.58				2.72	5.89	9.07	12.24	18.59	24.94	31.29	37.64	43.99	50.34	56.69	63.04	69.39	75.74	82.09	88.44	94.79
4	inch	0.238			0.024	0.149	0.274	0.399	0.524	0.774	1.024	1.274	1.524	1.774	2.024	2.274	2.524	2.774	3.024	3.274	3.524	3.774
	mm	6.05			0.61	3.78	6.96	10.13	13.31	19.66	26.01	32.36	38.71	45.06	51.41	57.76	64.11	70.46	76.81	83.16	89.51	95.86
5	inch	0.220				0.060	0.185	0.310	0.435	0.560	0.810	1.060	1.310	1.560	1.810	2.060	2.310	2.560	2.810	3.060	3.310	3.560
	mm	5.59				1.52	4.70	7.87	11.05	14.22	20.57	26.92	33.27	39.62	45.97	52.32	58.67	65.02	71.37	77.72	84.07	90.42
6	inch	0.203				0.094	0.219	0.344	0.469	0.594	0.844	1.094	1.344	1.594	1.844	2.094	2.344	2.594	2.844	3.094	3.344	3.594
	mm	5.16				2.39	5.56	8.74	11.91	15.09	21.44	27.79	34.14	40.49	46.84	53.19	59.54	65.89	72.24	78.59	84.94	91.29
7	inch	0.180				0.140	0.265	0.390	0.515	0.640	0.890	1.140	1.390	1.640	1.890	2.140	2.390	2.640	2.890	3.140	3.390	3.640
	mm	4.57				3.56	6.73	9.91	13.08	16.26	22.61	28.96	35.31	41.66	48.01	54.36	60.71	67.06	73.41	79.76	86.11	92.46
8	inch	0.165		0.045	0.170	0.295	0.420	0.545	0.670	0.920	1.170	1.420	1.670	1.920	2.170	2.420	2.670	2.920	3.170	3.420	3.670	3.920
	mm	4.19		1.14	4.32	7.49	10.67	13.84	17.02	23.37	29.72	36.07	42.42	48.77	55.12	61.47	67.82	74.17	80.52	86.87	93.22	99.57
9	inch	0.148			0.079	0.204	0.329	0.454	0.579	0.704	0.954	1.204	1.454	1.704	1.954	2.204	2.454	2.704	2.954	3.204	3.454	3.704
	mm	3.76			2.01	5.18	8.36	11.53	14.71	17.88	24.23	30.58	36.93	43.28	49.63	55.98	62.33	68.68	75.03	81.38	87.73	94.08
10	inch	0.134			0.107	0.232	0.357	0.482	0.607	0.732	0.982	1.232	1.482	1.732	1.982	2.232	2.482	2.732	2.982	3.232	3.482	3.732
	mm	3.40			2.72	5.89	9.07	12.24	15.42	18.59	24.94	31.29	37.64	43.99	50.34	56.69	63.04	69.39	75.74	82.09	88.44	94.79
11	inch	0.120			0.135	0.260	0.385	0.510	0.635	0.760	1.010	1.260	1.510	1.760	2.010	2.260	2.510	2.760	3.010	3.260	3.510	3.760
	mm	3.05			3.43	6.60	9.78	12.95	16.13	19.30	25.65	32.00	38.35	44.70	51.05	57.40	63.75	70.10	76.45	82.80	89.15	95.50
12	inch	0.109	0.032	0.157	0.282	0.407	0.532	0.657	0.782	1.032	1.282	1.532	1.782	2.032	2.282	2.532	2.782	3.032	3.282	3.532	3.782	4.032
	mm	2.77	0.81	3.99	7.16	10.34	13.51	16.69	19.86	26.21	32.56	38.91	45.26	51.61	57.96	64.31	70.66	77.01	83.36	89.71	96.06	102.41
13	inch	0.095	0.060	0.185	0.310	0.435	0.560	0.685	0.810	1.060	1.310	1.560	1.810	2.060	2.310	2.560	2.810	3.060	3.310	3.560	3.810	4.060
	mm	2.41	1.52	4.70	7.87	11.05	14.22	17.40	20.57	26.92	33.27	39.62	45.97	52.32	58.67	65.02	71.37	77.72	84.07	90.42	96.77	103.12
14	inch	0.083	0.084	0.209	0.334	0.459	0.584	0.709	0.834	1.084	1.334	1.584	1.834	2.084	2.334	2.584	2.834	3.084	3.334	3.584	3.834	4.084
	mm	2.11	2.13	5.31	8.48	11.66	14.83	18.01	21.18	27.53	33.88	40.23	46.58	52.93	59.28	65.63	71.98	78.33	84.68	91.03	97.38	103.73
15	inch	0.072	0.106	0.231	0.356	0.481	0.606	0.731	0.856	1.106	1.356	1.606	1.856	2.106	2.356	2.606	2.856	3.106	3.356	3.606	3.856	4.106
	mm	1.83	2.69	5.87	9.04	12.22	15.39	18.57	21.74	28.09	34.44	40.79	47.14	53.49	59.84	66.19	72.54	78.89	85.24	91.59	97.94	104.29
16	inch	0.065	0.120	0.245	0.370	0.495	0.620	0.745	0.870	1.120	1.370	1.620	1.870	2.120	2.370	2.620	2.870	3.120	3.370	3.620	3.870	4.120
	mm	1.65	3.05	6.22	9.40	12.57	15.75	18.92	22.10	28.45	34.80	41.15	47.50	53.85	60.20	66.55	72.90	79.25	85.60	91.95	98.30	104.65
17	inch	0.058	0.134	0.259	0.384	0.509	0.634	0.759	0.884	1.134	1.384	1.634	1.884	2.134	2.384	2.634	2.884	3.134	3.384	3.634	3.884	4.134
	mm	1.47	3.40	6.58	9.75	12.93	16.10	19.28	22.45	28.80	35.15	41.50	47.85	54.20	60.55	66.90	73.25	79.60	85.95	92.30	98.65	105.00
18	inch	0.049	0.152	0.277	0.402	0.527	0.652	0.777	0.902	1.152	1.402	1.652	1.902	2.152	2.402	2.652	2.902	3.152	3.402	3.652	3.902	4.152
	mm	1.24	3.86	7.04	10.21	13.39	16.56	19.74	22.91	29.26	35.61	41.96	48.31	54.66	61.01	67.36	73.71	80.06	86.41	92.76	99.11	105.46
19	inch	0.042	0.166	0.291	0.416	0.541	0.666	0.791	0.916	1.166	1.416	1.666	1.916									
	mm	1.07	4.22	7.39	10.57	13.74	16.92	20.09	23.27	29.62	35.97	42.32	48.67									
20	inch	0.035	0.180	0.305	0.430	0.555	0.680	0.805	0.930	1.180	1.430	1.680	1.930									
	mm	0.89	4.57	7.75	10.92	14.10	17.27	20.45	23.62	29.97	36.32	42.67	49.02									
21	inch	0.032	0.186	0.311	0.436	0.561	0.686	0.811	0.936	1.186	1.436	1.686	1.936									
	mm	0.81	4.72	7.90	11.07	14.25	17.42	20.60	23.77	30.12	36.47	42.82	49.17									
22	inch	0.028	0.194	0.319	0.444	0.569	0.694	0.819	0.944	1.194	1.444	1.694	1.944									
	mm	0.71	4.93	8.10	11.28	14.45	17.63	20.80	23.98	30.33	36.68	43.03	49.38									
23	inch	0.025	0.200	0.325	0.450	0.575	0.700	0.825	0.950	1.200	1.450	1.700	1.950									
	mm	0.64	5.08	8.26	11.43	14.61	17.78	20.96	24.13	30.48	36.83	43.18	49.53									
24	inch	0.022	0.206	0.331	0.456	0.581	0.706	0.831	0.956	1.206	1.456	1.706	1.956									
	mm	0.56	5.23	8.41	11.58	14.76	17.93															



Contact Us

Elliott Tool offers a complete line of precision tube tools to meet your needs. Contact us or your local support.

Elliott Tool Technologies, Ltd.
1760 Tuttle Avenue
Dayton, Ohio 45403-3428
Phone: +1 937 253 6133 • +1 800 332 0447
Fax: +1 937 253 9189
www.elliott-tool.com

Printed in the USA
©10/2011 Elliott Tool Technologies, Ltd.
TTC3E

Locally Supported By:

www.elliott-tool.com/support