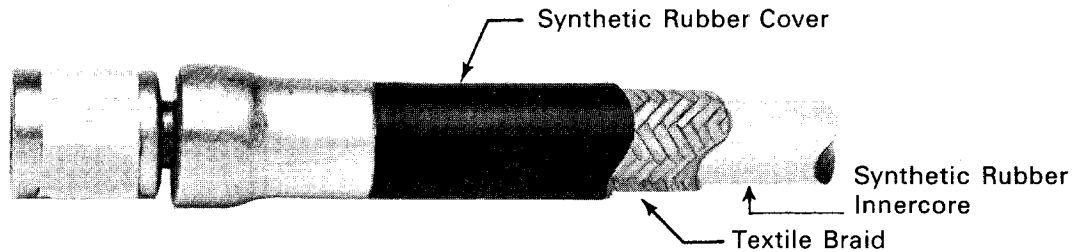




PREECE INC.
ENGINEERING
BULLETIN

RUBBER HOSE
 ASSEMBLIES LOW
 PRESSURE
 Bulletin PEB-33



APPLICATIONS AND ENGINEERING INFORMATION	<p>WORKING PRESSURE: Normal operating pressure 250 psi maximum.</p> <p>TEMPERATURE RANGE: -65°F to +160°F (-54°C to +71°C)</p> <p>APPLICATIONS: Air or vacuum instruments.</p>																																																																													
CONSTRUCTION	<p>INNERCORE: Extruded synthetic rubber</p> <p>REINFORCEMENT: Textile braid</p> <p>OUTER COVER: Synthetic Rubber</p> <p>FITTINGS: Permanently attached. CRES 304 or customer specified material. Tamper proof fittings are normally supplied to eliminate possibility of accidental loosening of fittings. Reusable fittings are available.</p>																																																																													
SPECIFICATIONS	<p>HOSE: Mil-H-5593</p>																																																																													
SPECIAL DESIGNS	<p>Preece Inc. has designed and fabricated special hose assemblies, preformed hose assemblies and specially configured end fittings for the aerospace and marine industries. For special requirements please contact the plant.</p>																																																																													
DIMENSIONS AND PRESSURE RATINGS	<table border="1"> <thead> <tr> <th rowspan="2">HOSE PART NUMBER</th> <th colspan="2">I.D. NOMINAL</th> <th colspan="2">O.D. NOMINAL</th> <th colspan="2">BEND RADIUS</th> <th colspan="2">WORKING PRESSURE</th> <th colspan="2">BURST PRESSURE</th> <th colspan="2">WEIGHT</th> </tr> <tr> <th>inches</th> <th>mm</th> <th>inches</th> <th>mm</th> <th>inches</th> <th>mm</th> <th>psi</th> <th>bar</th> <th>psi</th> <th>bar</th> <th>lbs/ft</th> <th>kg/m</th> </tr> </thead> <tbody> <tr> <td>601-04</td> <td>.250</td> <td>6.4</td> <td>.47</td> <td>11.9</td> <td>4.0</td> <td>101.6</td> <td>200</td> <td>14</td> <td>1,000</td> <td>69</td> <td>.072</td> <td>.107</td> </tr> <tr> <td>601-06</td> <td>.375</td> <td>9.5</td> <td>.59</td> <td>15.0</td> <td>4.0</td> <td>101.6</td> <td>150</td> <td>10</td> <td>600</td> <td>41</td> <td>.096</td> <td>.143</td> </tr> <tr> <td>601-08</td> <td>.500</td> <td>12.7</td> <td>.75</td> <td>19.1</td> <td>6.0</td> <td>152.4</td> <td>150</td> <td>10</td> <td>600</td> <td>41</td> <td>.144</td> <td>.214</td> </tr> <tr> <td>601-10</td> <td>.625</td> <td>15.9</td> <td>.88</td> <td>22.4</td> <td>6.0</td> <td>152.4</td> <td>150</td> <td>10</td> <td>600</td> <td>41</td> <td>.168</td> <td>.250</td> </tr> </tbody> </table>	HOSE PART NUMBER	I.D. NOMINAL		O.D. NOMINAL		BEND RADIUS		WORKING PRESSURE		BURST PRESSURE		WEIGHT		inches	mm	inches	mm	inches	mm	psi	bar	psi	bar	lbs/ft	kg/m	601-04	.250	6.4	.47	11.9	4.0	101.6	200	14	1,000	69	.072	.107	601-06	.375	9.5	.59	15.0	4.0	101.6	150	10	600	41	.096	.143	601-08	.500	12.7	.75	19.1	6.0	152.4	150	10	600	41	.144	.214	601-10	.625	15.9	.88	22.4	6.0	152.4	150	10	600	41	.168	.250
HOSE PART NUMBER	I.D. NOMINAL		O.D. NOMINAL		BEND RADIUS		WORKING PRESSURE		BURST PRESSURE		WEIGHT																																																																			
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601-06	.375	9.5	.59	15.0	4.0	101.6	150	10	600	41	.096	.143																																																																		
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601-10	.625	15.9	.88	22.4	6.0	152.4	150	10	600	41	.168	.250																																																																		

HOSE ASSEMBLY NUMBERING SYSTEM

Example 1

STRAIGHT TO STRAIGHT FITTING

ASSEMBLIES WITH STRAIGHT FITTINGS EACH END USE DASH SIZE DESIGNATION.

601000 8C 0145

BASIC ASSEMBLY NO. _____ ASSEMBLY LENGTH 14 5/8" LAST DIGIT IN 1/8 INCH INCREMENTS

SIZE (1/2" OD Tube Size) _____ FITTING MATERIAL DESIGNATION

Example 2

STRAIGHT TO 90° ELBOW FITTING

ASSEMBLIES WITH ELBOW FITTING ONE END AND STRAIGHT FITTING ONE END USE DASH SIZE DESIGNATION.

601007 4D 0134

BASIC ASSEMBLY NO. _____ ASSEMBLY LENGTH 13 1/2" LAST DIGIT IN 1/8 INCH INCREMENTS

SIZE (1/4" OD Tube Size) _____ FITTING MATERIAL DESIGNATION

Example 3

90° ELBOW TO 90° ELBOW FITTING

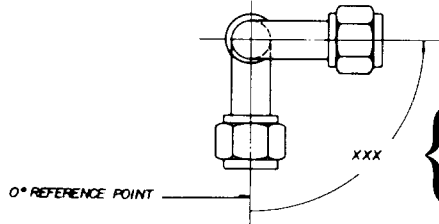
ASSEMBLIES WITH ELBOWS EACH END USE LETTER CODE FOR SIZE DESIGNATION

601003 F 0173 C 090

BASIC ASSEMBLY NO. _____ ANGULAR ROTATION IN DEGREES (MEASURED COUNTER CLOCKWISE)

SIZE (1/4" Tube Size) _____ FITTING MATERIAL DESIGNATION

_____ ASSEMBLY LENGTH 17 3/8" LAST DIGIT IN 1/8 INCH INCREMENTS



ANGULAR ROTATION IN DEGREES MEASURED COUNTERCLOCKWISE WHEN USING ELBOW CONFIGURATIONS ON BOTH ENDS

TUBE SIZE (O.D.)	1/4"	3/8"	1/2"	3/4"
DASH SIZE	-4	-6	-8	-10
LETTER CODE	F	H	J	K

FITTING MATERIAL DESIGNATION

C = Stainless (CRES 304)
 A = Stainless (CRES 316)
 D = Aluminum
 M = Monel QQ-N-281
 P = Copper Nickel

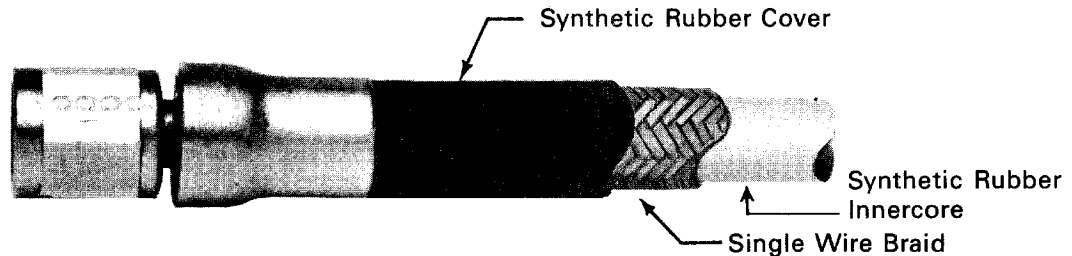
BASIC HOSE ASSEMBLY PART NO.	DESCRIPTION		FITTING A	FITTING B	ASSEMBLY LENGTH	BASIC HOSE ASSEMBLY PART NO.	DESCRIPTION		FITTING A	FITTING B	ASSEMBLY LENGTH
	FITTING A	FITTING B					FITTING A	FITTING B			
601000	STRAIGHT SWIVEL, AN CONNECTION	STRAIGHT SWIVEL, AN CONNECTION			---	601006	STRAIGHT SWIVEL, FLARELESS CONNECTION	STRAIGHT SWIVEL, FLARELESS CONNECTION			---
601001	STRAIGHT SWIVEL, AN CONNECTION	90° SWIVEL, AN CONNECTION			---	601007	STRAIGHT SWIVEL, FLARELESS CONNECTION	90° SWIVEL, FLARELESS CONNECTION			---
601002	STRAIGHT SWIVEL, AN CONNECTION	45° SWIVEL, AN CONNECTION			---	601008	STRAIGHT SWIVEL, FLARELESS CONNECTION	45° SWIVEL, FLARELESS CONNECTION			---
601003	90° SWIVEL, AN CONNECTION	90° SWIVEL, AN CONNECTION			---	601009	90° SWIVEL, FLARELESS CONNECTION	90° SWIVEL, FLARELESS CONNECTION			---
601004	45° SWIVEL, AN CONNECTION	45° SWIVEL, AN CONNECTION			---	601010	45° SWIVEL, FLARELESS CONNECTION	45° SWIVEL, FLARELESS CONNECTION			---
601005	90° SWIVEL, AN CONNECTION	45° SWIVEL, AN CONNECTION			---	601011	90° SWIVEL, FLARELESS CONNECTION	45° SWIVEL, FLARELESS CONNECTION			---



PREECE INC.
ENGINEERING
BULLETIN

RUBBER HOSE
ASSEMBLIES MEDIUM
PRESSURE

Bulletin PEB-34



APPLICATIONS AND ENGINEERING INFORMATION	<p>WORKING PRESSURE: Normal operating pressure 3000 psi maximum.</p> <p>TEMPERATURE RANGE: -65°F to +250°F (-54°C to +121°C)</p> <p>APPLICATIONS: Hydraulic, lubrication, pneumatic and fuel.</p>																																																																																																																				
CONSTRUCTION	<p>INNERCORE: Extruded synthetic rubber</p> <p>REINFORCEMENT: Single wire braid of carbon steel</p> <p>OUTER COVER: Synthetic Rubber</p> <p>FITTINGS: Permanently attached. CRES 304 or customer specified material. Tamper proof fittings are normally supplied to eliminate possibility of accidental loosening of fittings. Reusable fittings are available.</p>																																																																																																																				
SPECIFICATIONS	<p>HOSE: Mil-H-8794</p>																																																																																																																				
SPECIAL DESIGNS	<p>Preece Inc. has designed and fabricated special hose assemblies, preformed hose assemblies and specially configured end fittings for the aerospace and marine industries. For special requirements please contact the plant.</p>																																																																																																																				
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HOSE ASSEMBLY NUMBERING SYSTEM

Example 1

STRAIGHT TO STRAIGHT FITTING

ASSEMBLIES WITH STRAIGHT FITTINGS EACH END USE DASH SIZE DESIGNATION.

602000 8C 0145

BASIC ASSEMBLY NO. _____ ASSEMBLY LENGTH 14½" LAST DIGIT IN ½ INCH INCREMENTS
 SIZE (½" OD Tube Size) _____ FITTING MATERIAL DESIGNATION

Example 2

STRAIGHT TO 90° ELBOW FITTING

ASSEMBLIES WITH ELBOW FITTING ONE END AND STRAIGHT FITTING ONE END USE DASH SIZE DESIGNATION.

602007 4D 0134

BASIC ASSEMBLY NO. _____ ASSEMBLY LENGTH 13½" LAST DIGIT IN ½ INCH INCREMENTS
 SIZE (¼" OD Tube Size) _____ FITTING MATERIAL DESIGNATION

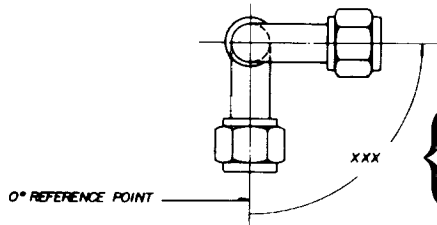
Example 3

90° ELBOW TO 90° ELBOW FITTING

ASSEMBLIES WITH ELBOWS EACH END USE LETTER CODE FOR SIZE DESIGNATION

602003 F 0173 C 090

BASIC ASSEMBLY NO. _____ ANGULAR ROTATION IN DEGREES (MEASURED COUNTER CLOCKWISE)
 SIZE (¼" Tube Size) _____ FITTING MATERIAL DESIGNATION
 _____ ASSEMBLY LENGTH 17¾" LAST DIGIT IN ½ INCH INCREMENTS



ANGULAR ROTATION IN DEGREES MEASURED COUNTERCLOCKWISE WHEN USING ELBOW CONFIGURATIONS ON BOTH ENDS

TUBE SIZE (O.D.)	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
DASH SIZE	-4	-5	-6	-8	-10	-12	-16
LETTER CODE	F	G	H	J	K	L	M

FITTING MATERIAL DESIGNATION
C = Stainless (CRES 304)
A = Stainless (CRES 316)
D = Aluminum
M = Monel QQ-N-281
P = Copper Nickel

BASIC HOSE ASSEMBLY PART NO.	DESCRIPTION		FITTING A	FITTING B	ASSEMBLY LENGTH	BASIC HOSE ASSEMBLY PART NO.	DESCRIPTION		FITTING A	FITTING B	ASSEMBLY LENGTH
	FITTING A	FITTING B					FITTING A	FITTING B			
602000	STRAIGHT SWIVEL, AN CONNECTION	STRAIGHT SWIVEL, AN CONNECTION				602006	STRAIGHT SWIVEL, FLARELESS CONNECTION	STRAIGHT SWIVEL, FLARELESS CONNECTION			
602001	STRAIGHT SWIVEL, AN CONNECTION	90° SWIVEL, AN CONNECTION				602007	STRAIGHT SWIVEL, FLARELESS CONNECTION	90° SWIVEL, FLARELESS CONNECTION			
602002	STRAIGHT SWIVEL, AN CONNECTION	45° SWIVEL, AN CONNECTION				602008	STRAIGHT SWIVEL, FLARELESS CONNECTION	45° SWIVEL, FLARELESS CONNECTION			
602003	90° SWIVEL, AN CONNECTION	90° SWIVEL, AN CONNECTION				602009	90° SWIVEL, FLARELESS CONNECTION	90° SWIVEL, FLARELESS CONNECTION			
602004	45° SWIVEL, AN CONNECTION	45° SWIVEL, AN CONNECTION				602010	45° SWIVEL, FLARELESS CONNECTION	45° SWIVEL, FLARELESS CONNECTION			
602005	90° SWIVEL, AN CONNECTION	45° SWIVEL, AN CONNECTION				602011	90° SWIVEL, FLARELESS CONNECTION	45° SWIVEL, FLARELESS CONNECTION			