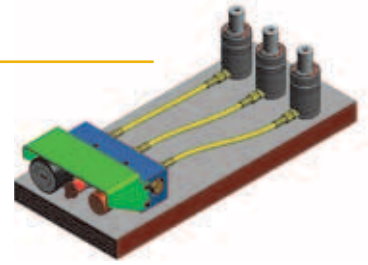


## Mini Piping System

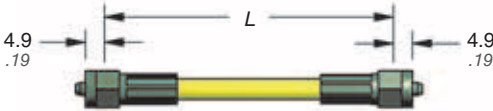
DADCO's exclusive mini piping system converts its Mini L / LJ Series Gas Springs and **Ultra Force®** U Series Gas Springs from self-contained to linked operation. This mini piping system has four main components: DADCO's L, LJ or U Series Nitrogen Gas Springs; exclusive **MINIFLEX®** hose; Mini-fittings; and the 90.407.PN Mini Control Panel. Together these components form the **MINILink®** System, an extremely compact piping system.



## DADCO MINIFLEX® Hose

90.700.\_\_\_\_\_(meters)

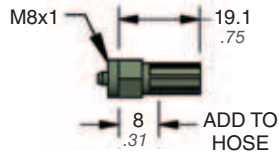
DADCO's **MINIFLEX®** hose is used to connect gas springs together in a linked system. DADCO offers complete hose assemblies from the factory that include two 90.601.943 Hose Adapters and a standard length of **MINIFLEX®** hose. Hose Assemblies can also be fabricated in the field with the use of DADCO's exclusive Mini-Crimp.



Minimum recommended distance between sealing faces (L) = 75 (2.95)

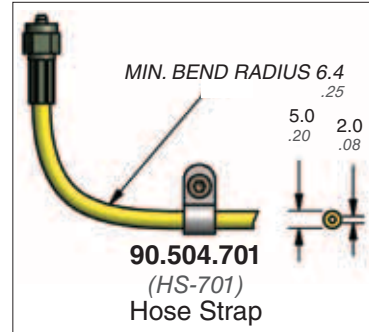
90.700.L943.L943.\_\_\_\_.I  
L (mm)

Hose Assembly



90.601.943 .SS  
(L-943)

Permanent Hose Adapter



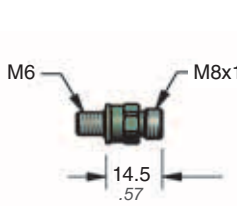
90.504.701  
(HS-701)  
Hose Strap

WORKING PRESSURE	BURST PRESSURE
500 bar 7,250 psi	1890 bar 27,405 psi

## Mini-fittings

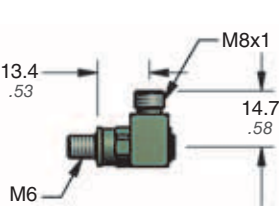
DADCO provides numerous Mini-fittings to accommodate the specific needs of each customer. Stainless steel options are offered for customers with extreme conditions. Refer to the Linked Systems Components Catalog for additional fitting options.

- Remember when linking to use as many direct runs as possible to reduce the number of fittings required.
- Bend hose where possible. DADCO **MINIFLEX®** hose has a bend radius of 6.4 mm (.25").
- When connecting the **MINIFLEX®** hose to fittings, first tighten by hand, then tighten with a wrench for 2 flats only.



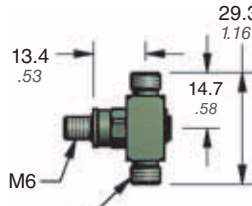
90.607.120 .SS  
(L-120)

Straight Port Adapter



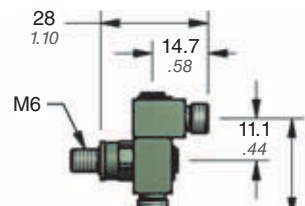
90.607.220 .SS  
(L-220)

90° Port Adapter



90.607.429 .SS  
(L-429)

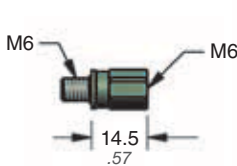
Branch Tee Port Adapter



90.607.428  
(L-428)

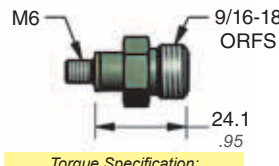
Run Tee Port Adapter

.SS = Stainless Steel Option Available



90.607.035  
(L-35)

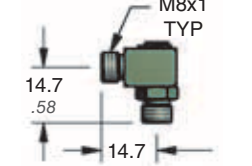
Port Adapter Extension



90.505.116  
(S-116)

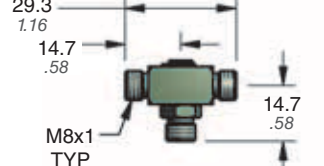
Reducer  
M6 → 9/16-18

Torque Specification:  
25 lb•in, 2.1 lb•ft, 3 N•m



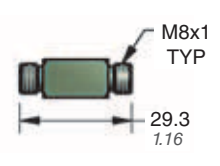
90.607.201  
(L-201)

Elbow



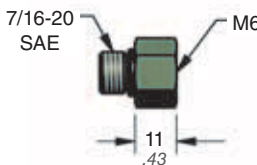
90.607.401  
(L-401)

Union Tee



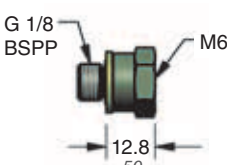
90.606.303  
(L-303)

Union



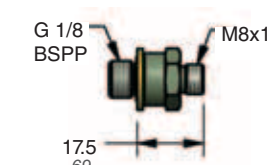
90.607.055  
(L-55)

Reducer  
7/16-20 → M6



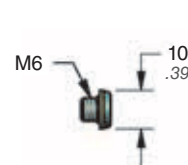
90.607.065  
(L-65)

Reducer  
G 1/8 → M6



90.607.115  
(L-115)

Reducer  
G 1/8 → M8x1



90.607.110  
(L-110)

Port Plug



90.605.109  
(L-109)

Fitting Plug

B00107G

### Additional MINILink® Port Adapters

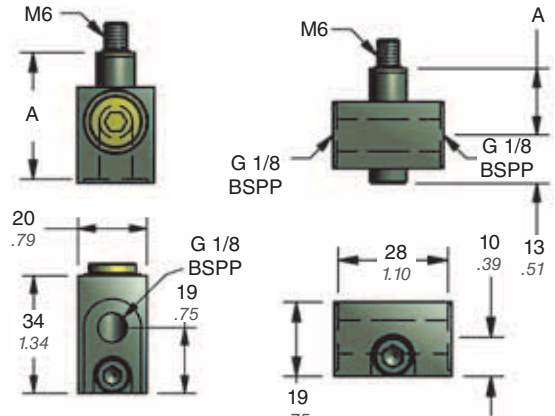
#### Micro Series (C.045 – C.250) and small Ultra Force® Series (U.0175 / U.0325 ) Port Adapters



**90.607.122**  
(L-122)  
Micro Service Fitting

**90.607.038**  
(L-38)  
Micro Port Adapter Extension

#### M6 → G 1/8 Port Adapters



**90.607.116**  
Straight

**90.607.439**  
Branch Tee

Part No.	A
116	33 1.30
126	46 1.81

Part No.	A
439	18 .71
449	31 1.22

### Piping Accessories

#### Hose Assembly Clamp

90.320.9 (Mini Hose Assembly Clamp)  
90.320.6 (Hose Assembly Clamp)

Use to secure hose while installing hose adapters. The 90.320.9 works with the MINIFLEX® hose while the 90.320.6 works with all DADCO hose types.



90.320.9

90.320.6

#### Hose Cutters

90.320.7 (Hose Cutter)

Use to cut hose to appropriate length. The 90.320.7 works with the MINIFLEX® hose and all other DADCO hose types.



#### Mini Convertible Control Panel

90.407.PN

Use to fill, drain and monitor the pressure of linked mini gas springs from outside of the die. This panel is available with a variety of fitting connections. Contact DADCO for more information.



#### Mini-Crimp

90.710.1

Use with a standard crimping machine to construct a MINIFLEX® hose assembly.



#### Portable Crimping Unit

90.720

Use with the Mini-Crimp to create permanent MINIFLEX® hose assemblies.

