

## Mini Piping System

DADCO has developed a mini piping system to convert its Mini L (90.3) / LJ (90.7) Series Gas Springs and **Ultra Force®** U Series Gas Springs from self-contained to linked operation. This mini piping system has four components: DADCO's L (90.3), LJ (90.7) or U Series Nitrogen Gas Springs; exclusive **MINIFLEX®** hose; Mini-fittings; and the 90.407.11 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 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 Mini-Crimp.

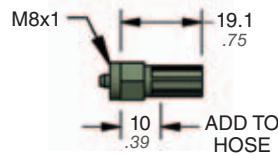
WORKING PRESSURE	BURST PRESSURE
500 bar 7250 psi	1890 bar 27405 psi



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

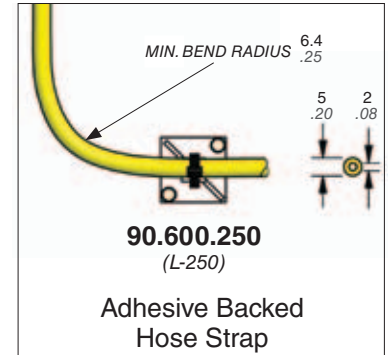
90.700.L943.L943.\_\_\_\_.I  
L (mm)

Hose Assembly



90.601.943  
(L-943)

Permanent Hose Adapter

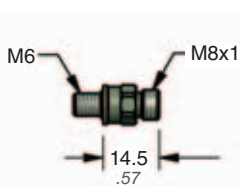


90.600.250  
(L-250)  
Adhesive Backed  
Hose Strap

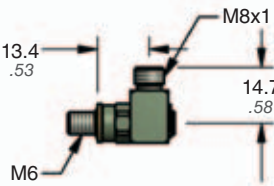
## Mini-fittings

DADCO provides numerous Mini-fittings to accommodate the specific needs of each customer. Refer to the Linked Systems Components Catalog for additional fitting options.

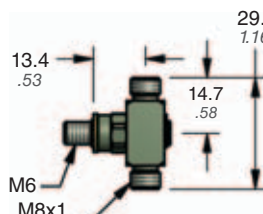
- Remember when linking to use as many direct runs as possible to reduce the number of fittings required.
- Bend hose where possible. DADCO **MINIFLEX®** hose has a bend radius of 6.4 mm (.25").
- When connecting the **MINIFLEX®** hose to fittings, first tighten by hand, then tighten with a wrench for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



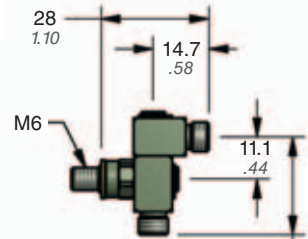
90.607.120  
(L-120)  
Straight Port  
Adapter



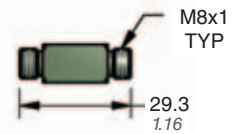
90.607.220  
(L-220)  
90° Port Adapter



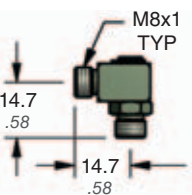
90.607.429  
(L-429)  
Branch Tee Port  
Adapter



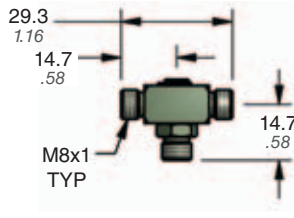
90.607.428  
(L-428)  
Run Tee Port  
Adapter



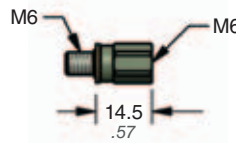
90.606.303  
(L-303)  
Union



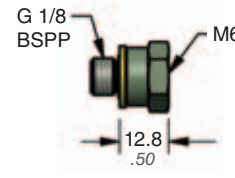
90.607.201  
(L-201)  
Elbow



90.607.401  
(L-401)  
Union Tee



90.607.035  
(L-35)  
Port Adapter  
Extension



90.607.065  
(L-65)  
Reducer  
G 1/8 → M6



90.605.109  
(L-109)  
Fitting Plug

## Piping Accessories



**Mini Control Panel**  
90.407.11G

Used to fill, drain and monitor the pressure of linked mini gas springs from outside of the die.



**Mini-Crimp**  
90.710.1

For use with hydraulic or pneumatic crimp machine. No Die Ring Required. For further details contact DADCO.