

**Z CONSTRUCTION:** Fuel and oil-resistant seamless synthetic rubber tube, single steel wire braid – Skive Type

**Z APPLICATIONS & TEMPERATURE RANGE:** Hydraulic fluids, grease, air, lubricating oils, fuel oils, gasoline and other gases and fluids within a temperature range of -40 F to + 200 F

**Z PRESSURE RANGE:** Pressures from 1000 to 2750 PSI

**NOTE:** For Ammonia, L.P., and other gases, it is absolutely necessary to specify cover to be treated by perforation to prevent blistering

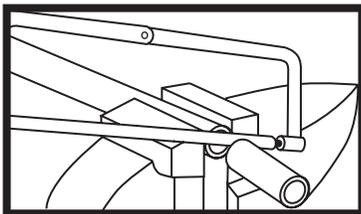
**CONFORMS:** To J.I.C. and meets S.A.E. 100R1A specifications

**Z SERIES 100R1A HOSE FITTINGS**

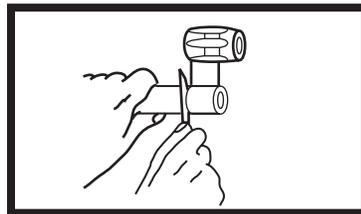
The 100R1A hose fittings for use with Type Z hose are shown on the following pages 13f through 14f. Each fitting series is given with details on dimensions and specifications. These fittings are machined of steel and are zinc plated (RoHS compliant) or special order with black phosphate and conform to J.I.C. and S.A.E. standards.

| PART NO. | I.D. TUBE SIZE | HOSE I.D. | HOSE O.D. | WORKING PRESSURE | BURST PRESSURE | MIN BEND RADUIS | WEIGHT FOOT |
|----------|----------------|-----------|-----------|------------------|----------------|-----------------|-------------|
| 4Z       | 1/4            | 1/4       | 5/8       | 2,750            | 11,000         | 4"              | .263        |
| 6Z       | 3/8            | 3/8       | 25/32     | 2,250            | 9,000          | 5"              | .348        |
| 8Z       | 1/2            | 1/2       | 29/32     | 2,000            | 8,000          | 7"              | .434        |
| 12Z      | 3/4            | 3/4       | 1 3/16    | 1,250            | 5,000          | 9 1/2"          | .583        |
| 16Z      | 1              | 1         | 1 1/2     | 1,000            | 4,000          | 11"             | .923        |

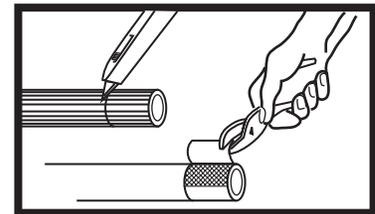
**HOW TO ASSEMBLE LENZ SINGLE WIRE BRAID TYPE Z HOSE AND FITTINGS**



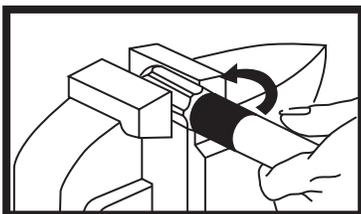
1. Cut hose square to desired length using fine tooth hack saw or cut-off saw.



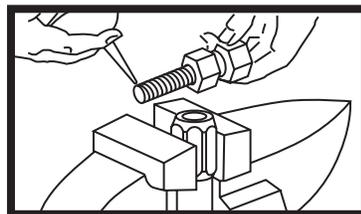
2. Determine the length of hose to be reduced to socket diameter and score with sharp knife.



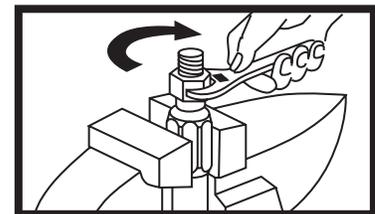
3. After slitting the rubber cover, twist off with pliers. If any particles of rubber remain, remove with wire brush.



4. Place socket in vise and screw hose in counter clockwise, using body weight against hose to start threading. Tighten until hose bottoms.



5. Oil inside of hose and nipple threads



6. Screw nipple into socket, using wrench on hex of nipple. After assembled, blow air pressure to remove any hose particles and inspect.

**NOTE:** Some fitting sockets have annular grooves in this case push down on hose while turning the hose into socket, using an alternating motion of a quarter turn in each direction until the hose seals.