

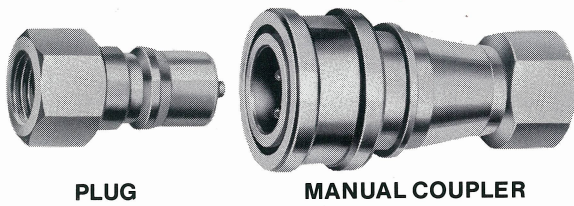
# LENZ

## SERIES LHK

Specify **LENZ**  
QUICK  
DISCONNECTS

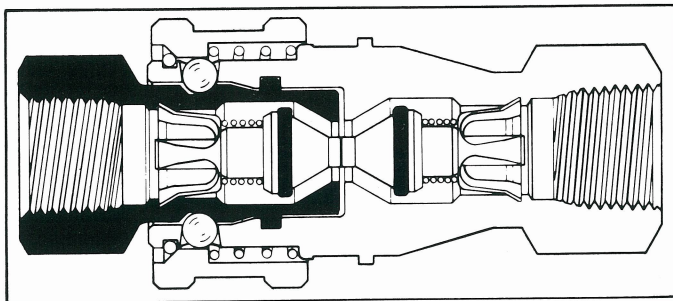
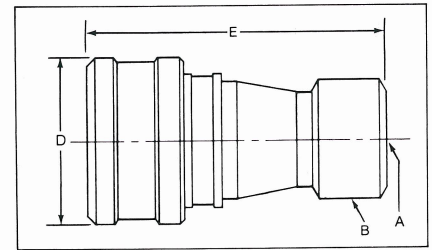
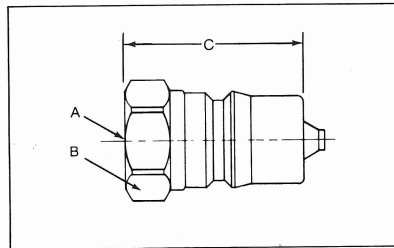
**PLUG  
AND  
MANUAL  
COUPLER**

# Two Way Shut-Off Quick-Couplers



PLUG

MANUAL COUPLER



LENZ Series LHK quick-couplers have fast-acting poppet valves in both the plug and coupler to effectively prevent fluid loss on disconnect.

Industry terminology for the LHK series is "hydraulic couplings." However, they also find wide application on vacuum systems, steam, liquid, gases and other installations where fluid loss during connection or disconnection is undesirable.

This superior quality line of quick-couplers is precision machined from solid bar stock for maximum wall strength. They are hardened at all points of extra stress and wear.

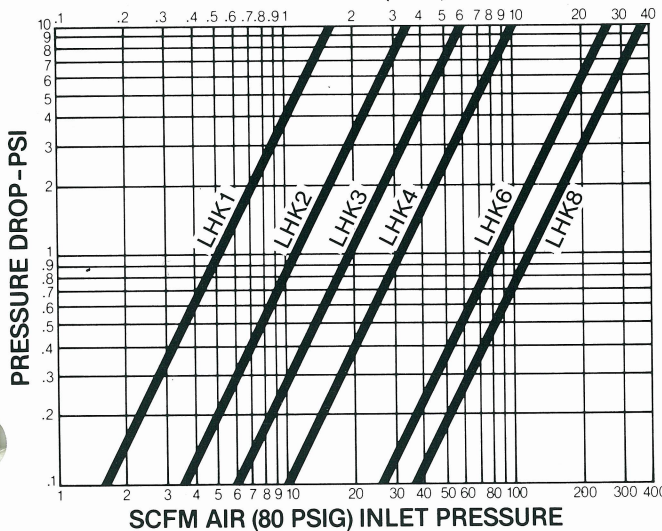
All interior LHK components are corrosion resistant; manufactured of carefully selected materials to assure long, trouble-free, service life. Standard seals are Buna-N. Other materials are readily available to meet requirements of specific fluids and applications.

LENZ'S ball-locking mechanism is engineered for even load distribution; assures positive alignment, and allows hose-protecting swivel action. A sleeve-locking option prevents accidental uncoupling in use.

Series LHK quick-disconnects bring the user a unique combination of advantages including; high flow rate, low pressure drop, choice of body material, inter-changeability with all leading industrial couplers, long service-free performance.

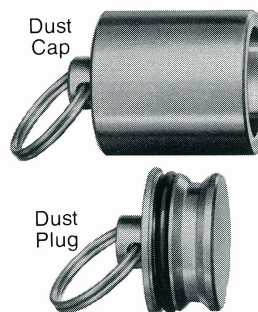
| LENZ PLUG | LENZ MANUAL COUPLER | A FEMALE PIPE THREAD | B ACROSS FLATS | C PLUG LENGTH | D SLEEVE DIA. | E COUPLER LENGTH | COUPLED POSITION OVERALL | WORKING PRESSURE | BURSTING PRESSURE |
|-----------|---------------------|----------------------|----------------|---------------|---------------|------------------|--------------------------|------------------|-------------------|
| LK1-11    | LH1-11              | 1/8"                 | 9/16 ( .560)   | 1.17          | .99           | 1.91             | 2.35                     | 4,000            | 18,000            |
| LK2-16    | LH2-16              | 1/4"                 | 3/4 ( .750)    | 1.40          | 1.18          | 2.27             | 2.84                     | 4,000            | 20,000            |
| LK3-21    | LH3-21              | 3/8"                 | 7/8 ( .875)    | 1.41          | 2.50          | 3.05             | 2.35                     | 4,000            | 18,000            |
| LK4-26    | LH4-26              | 1/2"                 | 1/8 (1.125)    | 1.84          | 1.85          | 2.93             | 3.71                     | 4,000            | 17,000            |
| LK6-31    | LH6-31              | 3/4"                 | 1 5/16 (1.310) | 2.16          | 2.21          | 3.56             | 4.33                     | 2,000            | 10,000            |
| LK8-36    | LH8-36              | 1"                   | 1 5/8 (1.625)  | 2.58          | 2.62          | 4.18             | 6.20                     | 2,000            | 6,000             |

MATERIALS OF CONSTRUCTION: Zinc plated steel, stainless steel springs, chrome steel locking balls  
GPM WATER (68°F)



## DUST CAPS AND PLUGS

LENZ dust caps and plugs prevent contamination of disconnected fluid systems. They prevent the introduction of dirt, grit, and other contaminants into the system through the Series LHK component.



| SIZE  | DUST CAP | DUST PLUG |
|-------|----------|-----------|
| LHK 1 | LK1D     | LH1D      |
| LHK 2 | LK2D     | LH2D      |
| LHK 3 | LK3D     | LH3D      |
| LHK 4 | LK4D     | LH4D      |
| LHK 6 | LK6D     | LH6D      |
| LHK 8 | LK8D     | LH8D      |

\* The above ratings were established by carefully controlled laboratory tests including static burst tests and multiple-cycle impulse tests. Uncontrollable field conditions such as rapid cycling rates, high amplitude shocks, etc. can affect the unit's service-life negatively even though pressures are within the coupler's rated range.