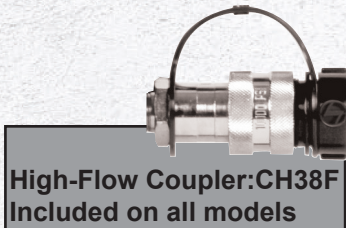


## LOW PROFILE CYLINDERS

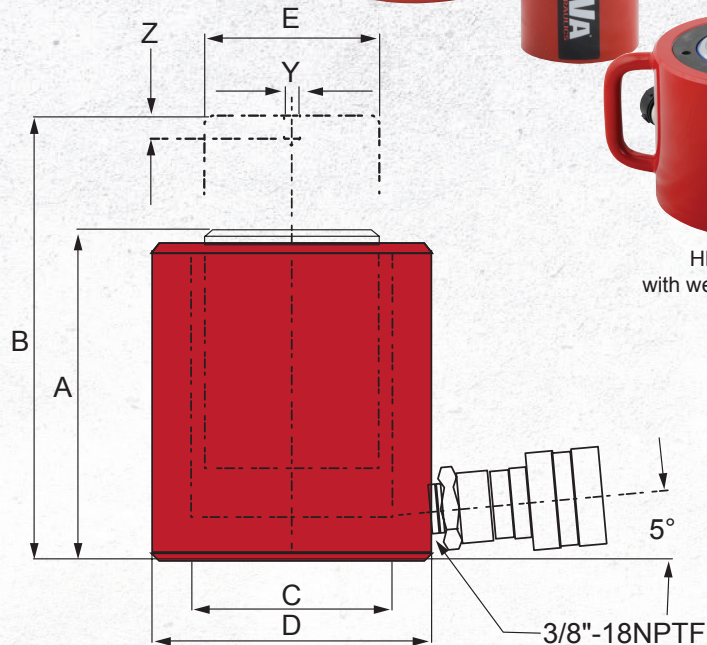
- Compact design for use in confined spaces
- Rod wiper helps seal out dirt and contamination
- Specially designed return spring provides quick retraction and extends the life of the spring
- Industrial hard chrome plated rod helps prevent scratching and corrosion
- Rod end is grooved to reduce load slippage
- Includes high flow coupler and dust cap
- HL1001, HL2002, and HL3002 coupler is tilted upward for added clearance
- Maximum working pressure: 10,000 psi / 700 bar



HL10002  
with welded handle

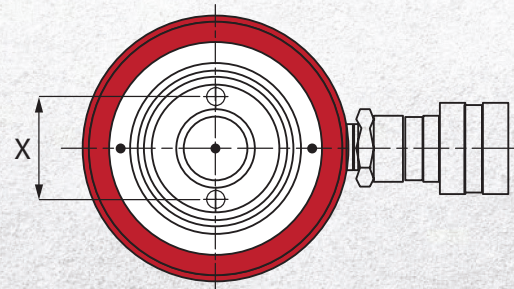


High-Flow Coupler:CH38F  
Included on all models



Low profile cylinders are great for confined spaces

| Cylinder Capacity (tons) | Stroke (in) | Model Number | Cylinder Effective Area (in <sup>2</sup> ) | Internal Pressure at Capacity (psi) | Oil Capacity (in <sup>3</sup> ) | Weight (lbs) |
|--------------------------|-------------|--------------|--------------------------------------------|-------------------------------------|---------------------------------|--------------|
| 10                       | 1.50        | HL1001       | 2.35                                       | 8,511                               | 3.53                            | 5.7          |
| 20                       | 1.75        | HL2002       | 4.37                                       | 9,153                               | 7.65                            | 11.0         |
| 30                       | 2.44        | HL3002       | 6.49                                       | 9,245                               | 15.84                           | 15.0         |
| 50                       | 2.36        | HL5002       | 9.87                                       | 10,132                              | 23.29                           | 21.8         |
| 100                      | 2.24        | HL10002      | 19.64                                      | 10,183                              | 44.07                           | 45.4         |



| Model Number | Collapsed Height A (in) | Extended Height B (in) | Cylinder Bore Diameter C (in) | Outside Diameter D (in) | Rod Diameter E (in) | Rod Mounting       |               |                     |
|--------------|-------------------------|------------------------|-------------------------------|-------------------------|---------------------|--------------------|---------------|---------------------|
|              |                         |                        |                               |                         |                     | Bolt Circle X (in) | Thread Y (mm) | Thread Depth Z (in) |
| HL1001       | 3.48                    | 4.98                   | 1.73                          | 2.75                    | 1.50                | 1.03               | M4            | 0.32                |
| HL2002       | 3.90                    | 5.65                   | 2.36                          | 3.63                    | 2.00                | 1.56               | M4            | 0.32                |
| HL3002       | 4.61                    | 7.05                   | 2.87                          | 4.00                    | 2.50                | 1.56               | M5            | 0.32                |
| HL5002       | 4.80                    | 7.17                   | 3.54                          | 4.88                    | 2.76                | 1.56               | M5            | 0.32                |
| HL10002      | 5.55                    | 7.80                   | 5.00                          | 6.50                    | 3.54                | 2.19               | M8            | 0.10                |