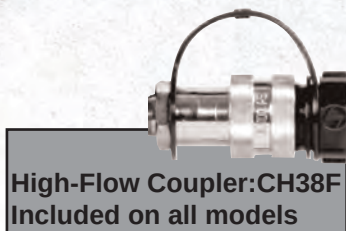


## SINGLE ACTING CYLINDERS

- 42 Models
- Rod wiper seals out dirt and contamination
- Collar fixture threads and thread protection cover
- Two base mounting holes on most models
- High strength steel construction from gun drilled solid bar
- One piece high grade alloy bearing for side load protection and long life
- Polyurethane cup seal provides for optimum performance
- Industrial hard chrome plated rod helps prevent rust and corrosion
- Solid steel cylinder body
- Heavy duty return spring provides quicker retraction
- Ideal for lifting and pressing
- Maximum working pressure: 10,000 psi / 700 bar
- H5506, H5513, and all 75 and 100 ton cylinders are equipped with carrying handles



\*H0203 comes with CRZ14F



## THE BVA ADVANTAGE

Heavy duty, heat treated, grooved saddle provides better surface traction during operation

Rod wiper seals out dirt and contamination

Industrial hard chrome plated rod prevents scratching and corrosion

One piece steel rod stopper for extra strength and prevents over travel

Polyurethane cup seal provides optimum performance

Rectangular return spring design results in even distribution of the load, eliminating spring breakage and creating quicker retraction

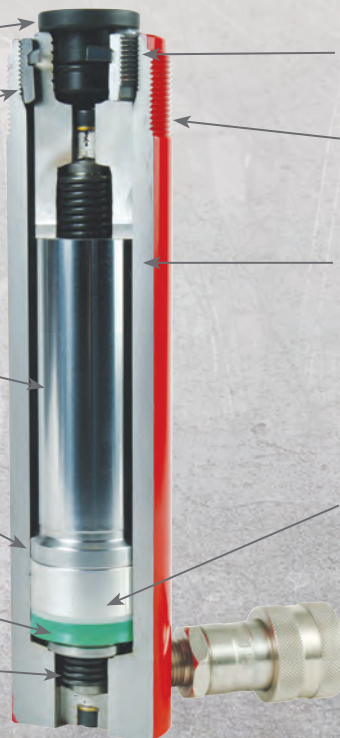
Steel stop ring for rod over travel protection

Collar fixture threads

Cylinders are burnish rolled for a smooth precision mirror finish, which reduces scoring and prolongs seal life

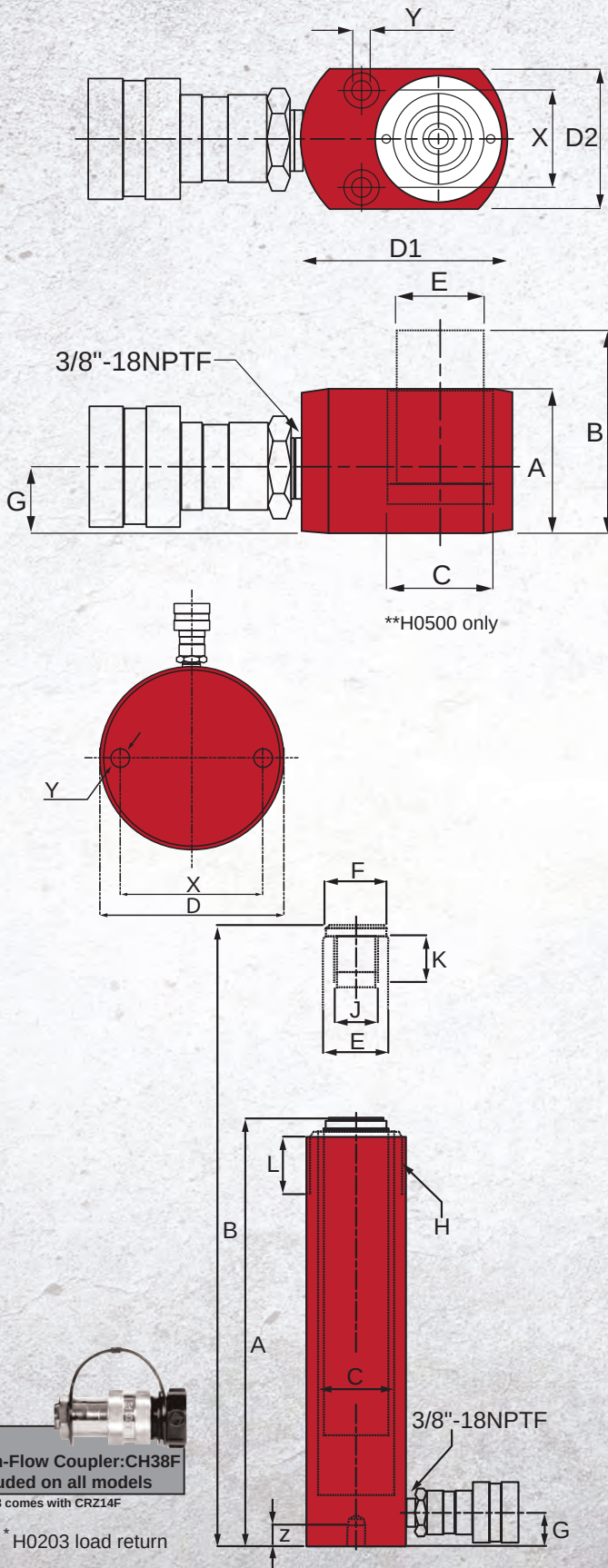
One piece high grade alloy bearing for side load protection and long life

High flow ball coupler provides more flow than conventional couplers



- **BVA Lifetime Warranty • Repair Parts Available**
- **All Cylinders Are Tested to Exceed Industrial Standards**

# SINGLE ACTING CYLINDERS



| 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) |
|--------------------------|-------------|--------------|--------------------------------------------|-------------------------------------|---------------------------------|--------------|
| 2                        | 3.07        | H0203*       | 0.76                                       | 5,263                               | 2.28                            | 2            |
| 5                        | 0.63        | H0500**      | 1.1                                        | 9,091                               | 0.69                            | 1.85         |
|                          | 1           | H0501        | 1.0                                        | 10,000                              | 1                               | 3.1          |
|                          | 3.07        | H0503        | 1.0                                        | 10,000                              | 3.07                            | 3.17         |
|                          | 5.08        | H0505        | 1.0                                        | 10,000                              | 5.08                            | 3.93         |
|                          | 7.09        | H0507        | 1.0                                        | 10,000                              | 7.09                            | 4.7          |
|                          | 9           | H0509        | 1.0                                        | 10,000                              | 9.03                            | 5.5          |
| 10                       | 0.98        | H1001        | 2.24                                       | 8,928                               | 2.19                            | 3.92         |
|                          | 2.01        | H1002        | 2.24                                       | 8,928                               | 4.5                             | 4.96         |
|                          | 4.02        | H1004        | 2.24                                       | 8,928                               | 9.0                             | 7.67         |
|                          | 5.94        | H1006        | 2.24                                       | 8,928                               | 13.3                            | 9.45         |
|                          | 7.95        | H1008        | 2.24                                       | 8,928                               | 17.81                           | 11.33        |
|                          | 9.96        | H1010        | 2.24                                       | 8,928                               | 22.31                           | 13.07        |
|                          | 11.97       | H1012        | 2.24                                       | 8,928                               | 26.81                           | 15.04        |
|                          | 14.02       | H1014        | 2.24                                       | 8,928                               | 31.4                            | 16.65        |
| 15                       | 0.98        | H1501        | 3.14                                       | 9,554                               | 3.07                            | 6.9          |
|                          | 2.01        | H1502        | 3.14                                       | 9,554                               | 6.31                            | 8.53         |
|                          | 3.98        | H1504        | 3.14                                       | 9,554                               | 12.49                           | 11.13        |
|                          | 5.98        | H1506        | 3.14                                       | 9,554                               | 18.77                           | 14.83        |
|                          | 7.99        | H1508        | 3.14                                       | 9,554                               | 25.08                           | 17.33        |
|                          | 10          | H1510        | 3.14                                       | 9,554                               | 31.4                            | 19.97        |
|                          | 12.01       | H1512        | 3.14                                       | 9,554                               | 37.71                           | 22.54        |
|                          | 14.02       | H1514        | 3.14                                       | 9,554                               | 44.02                           | 25.22        |
| 25                       | 1.02        | H2501        | 5.15                                       | 9,708                               | 5.25                            | 12.06        |
|                          | 2.01        | H2502        | 5.15                                       | 9,708                               | 10.35                           | 14           |
|                          | 4.02        | H2504        | 5.15                                       | 9,708                               | 20.7                            | 18.03        |
|                          | 6.1         | H2506        | 5.15                                       | 9,708                               | 31.41                           | 22.23        |
|                          | 8.11        | H2508        | 5.15                                       | 9,708                               | 41.77                           | 26.27        |
|                          | 10.12       | H2510        | 5.15                                       | 9,708                               | 52.12                           | 30.3         |
|                          | 12.2        | H2512        | 5.15                                       | 9,708                               | 62.83                           | 34.27        |
|                          | 14.25       | H2514        | 5.15                                       | 9,708                               | 73.39                           | 38.3         |
| 30                       | 8.27        | H3008        | 6.49                                       | 9,245                               | 53.67                           | 40.72        |
| 55                       | 2.01        | H5502        | 10.98                                      | 10,018                              | 21.97                           | 33           |
|                          | 4.06        | H5504        | 10.98                                      | 10,018                              | 44.57                           | 41           |
|                          | 6.26        | H5506 ±      | 10.98                                      | 10,018                              | 68.73                           | 57.5         |
|                          | 10.25       | H5510        | 10.98                                      | 10,018                              | 112.55                          | 67.4         |
|                          | 13.27       | H5513 ±      | 10.98                                      | 10,018                              | 145.7                           | 87           |
| 75                       | 6.14        | H7506 ±      | 16.1                                       | 9,316                               | 98.85                           | 74           |
|                          | 13.11       | H7513 ±      | 16.1                                       | 9,316                               | 211.07                          | 122          |
| 100                      | 2.01        | H10002A ±    | 20.58                                      | 9,718                               | 41.34                           | 66           |
|                          | 6.61        | H10006 ±     | 20.58                                      | 9,718                               | 136.03                          | 127          |
|                          | 10.24       | H10010 ±     | 20.58                                      | 9,718                               | 210.74                          | 153          |

| Model Number | Collapsed Height A (in) | Extended Height B (in) | Cylinder Bore C (in) | Outside Diameter D (in) | Rod Diameter E (in) | Saddle Diameter F (in) | Base to Inlet Port G (in) | Collar Thread H (in) | Collar Thread Length L (in) | Rod Internal Thread J (in) | Rod Thread Length K (in) | Base Mounting Hole |               |                     |
|--------------|-------------------------|------------------------|----------------------|-------------------------|---------------------|------------------------|---------------------------|----------------------|-----------------------------|----------------------------|--------------------------|--------------------|---------------|---------------------|
|              |                         |                        |                      |                         |                     |                        |                           |                      |                             |                            |                          | Bolt Circle X (in) | Thread Y (in) | Thread Depth Z (in) |
| H0203*       | 5.39                    | 8.46                   | 1                    | 1.31                    | 0.87                | 1                      | 0.46                      | 1¼"-16               | 0.54                        | -                          | -                        | -                  | -             | -                   |
| H0500**      | 1.63                    | 2.26                   | 1.18                 | L2.37xW1.59xH1.63       | 0.98                | -                      | 0.75                      | -                    | -                           | -                          | -                        | 1.1                | -             | -                   |
| H0501        | 4.58                    | 5.58                   | 1.13                 | 1.50                    | 1.0                 | 0.98                   | 0.79                      | 1½"-16               | 1.1                         | ¾"-16UNF                   | 0.63                     | 1.0                | ¼"-20UNC      | 0.55                |
| H0503        | 6.65                    | 9.72                   | 1.13                 | 1.50                    | 1.0                 | 0.98                   | 0.79                      | 1½"-16               | 1.1                         | ¾"-16UNF                   | 0.63                     | 1.0                | ¼"-20UNC      | 0.55                |
| H0505        | 8.7                     | 13.78                  | 1.13                 | 1.50                    | 1.0                 | 0.98                   | 0.79                      | 1½"-16               | 1.1                         | ¾"-16UNF                   | 0.63                     | 1.0                | ¼"-20UNC      | 0.55                |
| H0507        | 10.71                   | 17.8                   | 1.13                 | 1.50                    | 1.0                 | 0.98                   | 0.79                      | 1½"-16               | 1.1                         | ¾"-16UNF                   | 0.63                     | 1.0                | ¼"-20UNC      | 0.55                |
| H0509        | 12.75                   | 21.75                  | 1.12                 | 1.5                     | 1.0                 | 0.98                   | 0.79                      | 1½"-16               | 1.1                         | ¾"-16UNF                   | 0.63                     | 1.0                | ¼"-20UNC      | 0.55                |
| H1001        | 3.62                    | 4.6                    | 1.69                 | 2.26                    | 1.49                | -                      | 0.77                      | 2¼"-14               | 1.18                        | 10-24UNC                   | 0.24                     | 1.56               | 5/16"-18UNC   | 0.55                |
| H1002        | 4.84                    | 6.85                   | 1.69                 | 2.26                    | 1.49                | 1.38                   | 0.77                      | 2¼"-14               | 1.18                        | 1"-8UNC                    | 0.79                     | 1.56               | 5/16"-18UNC   | 0.55                |
| H1004        | 6.85                    | 10.87                  | 1.69                 | 2.26                    | 1.49                | 1.38                   | 0.77                      | 2¼"-14               | 1.18                        | 1"-8UNC                    | 0.79                     | 1.56               | 5/16"-18UNC   | 0.55                |
| H1006        | 9.84                    | 15.78                  | 1.69                 | 2.26                    | 1.49                | 1.38                   | 0.77                      | 2¼"-14               | 1.18                        | 1"-8UNC                    | 0.79                     | 1.56               | 5/16"-18UNC   | 0.55                |
| H1008        | 11.85                   | 19.8                   | 1.69                 | 2.26                    | 1.49                | 1.38                   | 0.77                      | 2¼"-14               | 1.18                        | 1"-8UNC                    | 0.79                     | 1.56               | 5/16"-18UNC   | 0.55                |
| H1010        | 13.86                   | 23.82                  | 1.69                 | 2.26                    | 1.49                | 1.38                   | 0.77                      | 2¼"-14               | 1.18                        | 1"-8UNC                    | 0.79                     | 1.56               | 5/16"-18UNC   | 0.55                |
| H1012        | 15.87                   | 27.84                  | 1.69                 | 2.26                    | 1.49                | 1.38                   | 0.77                      | 2¼"-14               | 1.18                        | 1"-8UNC                    | 0.79                     | 1.56               | 5/16"-18UNC   | 0.55                |
| H1014        | 17.72                   | 31.74                  | 1.69                 | 2.26                    | 1.49                | 1.38                   | 0.77                      | 2¼"-14               | 1.18                        | 1"-8UNC                    | 0.79                     | 1.56               | 5/16"-18UNC   | 0.55                |
| H1501        | 4.88                    | 5.86                   | 2.0                  | 2.75                    | 1.63                | 1.5                    | 0.77                      | 2¾"-16               | 1.18                        | 1"-8UNC                    | 0.98                     | 1.88               | ¾"-16UNC      | 0.51                |
| H1502        | 5.87                    | 7.88                   | 2.0                  | 2.75                    | 1.63                | 1.5                    | 0.77                      | 2¾"-16               | 1.18                        | 1"-8UNC                    | 0.98                     | 1.88               | ¾"-16UNC      | 0.51                |
| H1504        | 7.87                    | 11.85                  | 2.0                  | 2.75                    | 1.63                | 1.5                    | 0.77                      | 2¾"-16               | 1.18                        | 1"-8UNC                    | 0.98                     | 1.88               | ¾"-16UNC      | 0.51                |
| H1506        | 10.63                   | 16.61                  | 2.0                  | 2.75                    | 1.63                | 1.5                    | 0.98                      | 2¾"-16               | 1.18                        | 1"-8UNC                    | 0.98                     | 1.88               | ¾"-16UNC      | 0.51                |
| H1508        | 12.64                   | 20.63                  | 2.0                  | 2.75                    | 1.63                | 1.5                    | 0.98                      | 2¾"-16               | 1.18                        | 1"-8UNC                    | 0.98                     | 1.88               | ¾"-16UNC      | 0.51                |
| H1510        | 14.65                   | 24.65                  | 2.0                  | 2.75                    | 1.63                | 1.5                    | 0.98                      | 2¾"-16               | 1.18                        | 1"-8UNC                    | 0.98                     | 1.88               | ¾"-16UNC      | 0.51                |
| H1512        | 16.65                   | 28.66                  | 2.0                  | 2.75                    | 1.63                | 1.5                    | 0.98                      | 2¾"-16               | 1.18                        | 1"-8UNC                    | 0.98                     | 1.88               | ¾"-16UNC      | 0.51                |
| H1514        | 18.66                   | 32.68                  | 2.0                  | 2.75                    | 1.63                | 1.5                    | 0.98                      | 2¾"-16               | 1.18                        | 1"-8UNC                    | 0.98                     | 1.88               | ¾"-16UNC      | 0.51                |
| H2501        | 5.63                    | 6.65                   | 2.56                 | 3.35                    | 2.24                | 1.97                   | 0.98                      | 3-5/16"-12           | 1.93                        | 1½"-16                     | 1.18                     | 2.31               | ½"-13UNC      | 0.75                |
| H2502        | 6.61                    | 8.62                   | 2.56                 | 3.35                    | 2.24                | 1.97                   | 0.98                      | 3-5/16"-12           | 1.93                        | 1½"-16                     | 1.18                     | 2.31               | ½"-13UNC      | 0.75                |
| H2504        | 8.62                    | 12.64                  | 2.56                 | 3.35                    | 2.24                | 1.97                   | 0.98                      | 3-5/16"-12           | 1.93                        | 1½"-16                     | 1.18                     | 2.31               | ½"-13UNC      | 0.75                |
| H2506        | 10.71                   | 16.81                  | 2.56                 | 3.35                    | 2.24                | 1.97                   | 0.98                      | 3-5/16"-12           | 1.93                        | 1½"-16                     | 1.18                     | 2.31               | ½"-13UNC      | 0.75                |
| H2508        | 12.72                   | 20.83                  | 2.56                 | 3.35                    | 2.24                | 1.97                   | 0.98                      | 3-5/16"-12           | 1.93                        | 1½"-16                     | 1.18                     | 2.31               | ½"-13UNC      | 0.75                |
| H2510        | 14.72                   | 24.84                  | 2.56                 | 3.35                    | 2.24                | 1.97                   | 0.98                      | 3-5/16"-12           | 1.93                        | 1½"-16                     | 1.18                     | 2.31               | ½"-13UNC      | 0.75                |
| H2512        | 16.77                   | 28.97                  | 2.56                 | 3.35                    | 2.24                | 1.97                   | 0.98                      | 3-5/16"-12           | 1.93                        | 1½"-16                     | 1.18                     | 2.31               | ½"-13UNC      | 0.75                |
| H2514        | 18.74                   | 32.99                  | 2.56                 | 3.35                    | 2.24                | 1.97                   | 0.98                      | 3-5/16"-12           | 1.93                        | 1½"-16                     | 1.18                     | 2.31               | ½"-13UNC      | 0.75                |
| H3008        | 15.24                   | 23.51                  | 2.87                 | 4.0                     | 2.24                | 1.97                   | 1.97                      | 3-5/16"-12           | 1.93                        | 1½"-16                     | 1.18                     | 2.2                | -             | -                   |
| H5502        | 6.93                    | 8.94                   | 3.74                 | 5.0                     | 3.15                | 2.76                   | 1.22                      | 5"-12                | 2.17                        | -                          | -                        | 3.75               | ½"-13UNC      | 0.75                |
| H5504        | 8.94                    | 13                     | 3.74                 | 5.0                     | 3.15                | 2.76                   | 1.22                      | 5"-12                | 2.17                        | -                          | -                        | 3.75               | ½"-13UNC      | 0.75                |
| H5506        | 11.14                   | 17.4                   | 3.74                 | 5.0                     | 3.15                | 2.76                   | 1.22                      | 5"-12                | 2.17                        | -                          | -                        | 3.75               | ½"-13UNC      | 0.75                |
| H5510        | 15.16                   | 25.41                  | 3.74                 | 5.0                     | 3.15                | 2.76                   | 1.22                      | 5"-12                | 2.17                        | -                          | -                        | 3.75               | ½"-13UNC      | 0.75                |
| H5513        | 18.15                   | 31.42                  | 3.74                 | 5.0                     | 3.15                | 2.76                   | 1.22                      | 5"-12                | 2.17                        | -                          | -                        | 3.75               | ½"-13UNC      | 0.75                |
| H7506        | 11.22                   | 17.36                  | 4.53                 | 5.79                    | 3.74                | 2.76                   | 1.18                      | 5¾"-12               | 1.77                        | -                          | -                        | -                  | -             | -                   |
| H7513        | 19.37                   | 32.48                  | 4.53                 | 5.79                    | 3.74                | 2.76                   | 1.18                      | 5¾"-12               | 1.77                        | -                          | -                        | 3.94               | 21/32"-10UNC  | 0.85                |
| H10002A      | 8.62                    | 10.63                  | 5.12                 | 6.25                    | 4.13                | 2.76                   | 1.5                       | 6¼"-12               | 2.17                        | -                          | -                        | -                  | -             | -                   |
| H10006       | 14.06                   | 20.67                  | 5.12                 | 6.97                    | 4.13                | 2.76                   | 1.57                      | 6¾"-12               | 1.77                        | -                          | -                        | 5.5                | 3/4"-10UNC    | 1                   |
| H10010       | 17.68                   | 27.92                  | 5.12                 | 6.97                    | 4.13                | 2.76                   | 1.57                      | 6¾"-12               | 1.77                        | -                          | -                        | 5.5                | 3/4"-10UNC    | 1                   |