

## ➤ Ultra-Flat Cylinders with Stop Ring

- Up to 4% side load of maximum capacity;
- Stop-ring for maximum stroke limitation;
- Extremely low collapsed height;
- Nitrocarburized surface treatment for harsh conditions;
- Coupler included.



| Model   | Capacity (ton) | Stroke (mm) | Oil capacity (cm³) | Cylinder Effective Area (cm²) | Collapsed Height (mm) | Extended Height (mm) | Outside Diameter (mm) | Weight (kg) |
|---------|----------------|-------------|--------------------|-------------------------------|-----------------------|----------------------|-----------------------|-------------|
| CULP10  | 10             | 6           | 8.3                | 13.9                          | 27.5                  | 33.5                 | 72                    | 1           |
| CULP20  | 20             | 6           | 17                 | 28.3                          | 32                    | 38                   | 90                    | 1.7         |
| CULP30  | 30             | 6           | 26.5               | 44.2                          | 35                    | 41                   | 105                   | 2.5         |
| CULP50  | 50             | 6           | 47.1               | 78.5                          | 44.5                  | 50.5                 | 140                   | 5.4         |
| CULP100 | 100            | 6           | 92.5               | 153.9                         | 65                    | 71                   | 195                   | 11.5        |

## ➤ High Tonnage Ultra Flat Hydraulic Cylinder

- Up to 4% side load of maximum capacity;
- Extremely low collapsed height;
- Integrated tilting function up to 4 degrees to evenly distribute the load;
- Nitrocarburized surface treatment for harsh conditions;
- "Red Line" for visual maximum stroke limitation Up to 4% side load of maximum capacity;
- Coupler included.



| Model    | Capacity (ton) | Stroke (mm) | Oil capacity (cm³) | Closed Height (mm) | Outside Diameter (mm) | Inner Diameter (mm) | Weight (kg) |
|----------|----------------|-------------|--------------------|--------------------|-----------------------|---------------------|-------------|
| CUSP10   | 10             | 6.7         | 9.3                | 35.5               | 72                    | 42                  | 1.2         |
| CUSP20   | 20             | 7.0         | 19.8               | 40.5               | 90                    | 60                  | 1.9         |
| CUSP30   | 30             | 7.3         | 32.1               | 42.5               | 105                   | 75                  | 2.7         |
| CUSP50   | 50             | 13.3        | 104                | 57.0               | 130                   | 100                 | 5.6         |
| CUSP75   | 75             | 14.0        | 158                | 60.5               | 150                   | 120                 | 8.0         |
| CUSP100  | 100            | 14.7        | 226                | 63.5               | 170                   | 140                 | 10.8        |
| CUSP150  | 150            | 14.3        | 324                | 65.0               | 200                   | 170                 | 15.3        |
| CUSP200  | 200            | 14.9        | 446                | 69.0               | 229                   | 195                 | 21.5        |
| CUSP250  | 250            | 15.5        | 569                | 72.5               | 252                   | 215                 | 27.3        |
| CUSP300  | 300            | 14.1        | 637                | 72.5               | 282                   | 240                 | 34.4        |
| CUSP400  | 400            | 14.6        | 837                | 77.5               | 316                   | 270                 | 46.2        |
| CUSP500  | 500            | 15.2        | 1111               | 82.5               | 356                   | 305                 | 62.7        |
| CUSP600  | 600            | 15.6        | 1334               | 87.5               | 386                   | 330                 | 78.4        |
| CUSP750  | 750            | 16.3        | 1757               | 93.5               | 432                   | 370                 | 105.2       |
| CUSP1000 | 1000           | 17.4        | 2531               | 103.0              | 502                   | 430                 | 157         |