

## PL-series, lower flange models pull cylinders



Minimal mounting height when space is at a premium

- Guided linear plunger movement
- Flexible design allows for manifold or threaded port connection
- Low profile mounting style allows body to be below mounting surface
- Internal plunger thread allows easy mounting of attachments
- Simple mounting preparation
- Easy to machine fixture hole: does not require tight tolerances
- Easy assembly: 3 or 4 mounting bolts
- Double oil connection: threaded port or manifold mount

| Cylinder Capacity |      | Stroke<br>mm | Model Number    | Cylinder Effective Area |      | Oil Capacity    |       |       |       |
|-------------------|------|--------------|-----------------|-------------------------|------|-----------------|-------|-------|-------|
| kN                |      |              |                 | cm <sup>2</sup>         |      | cm <sup>3</sup> |       |       |       |
| pull              | push |              | S/A             | D/A                     | pull | push            | pull  | push  |       |
| 2,6               | -    | 16,5         | <b>PLSS-22</b>  | •                       | -    | 0,77            | -     | 1,31  | -     |
| 5,6               | -    | 22,6         | <b>PLSS-52</b>  | •                       | -    | 1,81            | -     | 4,10  | -     |
| 13,3              | -    | 28,4         | <b>PLSS-121</b> | •                       | -    | 4,06            | -     | 11,47 | -     |
| 2,7               | 5,3  | 16,5         | <b>PLSD-22</b>  | -                       | •    | 0,77            | 1,55  | 1,31  | 2,62  |
| 6,3               | 13,3 | 22,6         | <b>PLSD-52</b>  | -                       | •    | 1,81            | 3,81  | 4,10  | 8,69  |
| 11,2              | 28,0 | 22,1         | <b>PLSD-92</b>  | -                       | •    | 3,16            | 8,06  | 6,88  | 17,7  |
| 14,3              | 27,4 | 28,4         | <b>PLSD-121</b> | -                       | •    | 4,06            | 7,94  | 11,47 | 22,94 |
| 43,5              | 81,9 | 30,0         | <b>PLSD-352</b> | -                       | •    | 12,39           | 23,74 | 37,20 | 71,28 |

Note: Pull forces for single-acting cylinders reduced to overcome spring force.