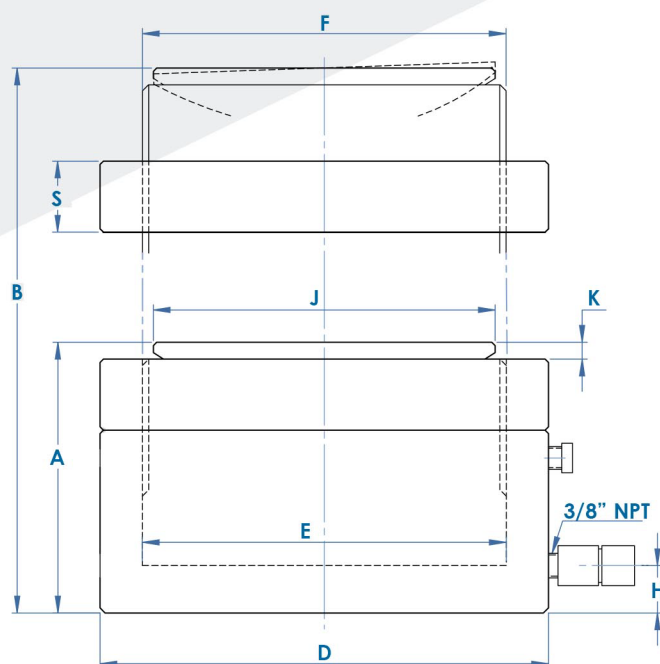


EXTRA-FLAT WITH  
LOCKING NUT

# TOS

## SERIES

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## EXTRA-FLAT CYLINDER WITH LOCKING NUT

LOAD RETURN, SINGLE-ACTING

### TOS

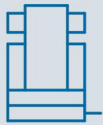
- Extra-flat cylinders for jobs in very tight spaces.
- Safety nut to mechanically restrain the load.



**EPS5A | EPS5AE** electric pumps are recommended for **supplying** power to TOS cylinders, see page 53. Up to 150 Tn, we recommend manual pumps from the **BS** series, see page 50.



LOW-HEIGHT CYLINDERS WITH LOCKING NUT



## SINGLE-ACTING LOAD RETURN



**Stroke**  
Up to 50 mm



**Thrust**  
50 to 500 Tn

EXTRA-FLAT WITH  
LOCKING NUT

# TOS SERIES



**Safety First:** Best practices recommend not to go beyond **80%** of the rated capacity, nor beyond **80%** of the stroke length.

**Low-height cylinders with locking nut – T0**  
» Page 30.

**Extra-Flat Cylinders – S** » Page 20.

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- All parts nitrated to prevent rust and increase wear resistance.
- Furnished with a removable and grooved tilt saddle
- High-flow female quick plug coupling with dust cover as standard in all models.
- Flush or overflow hole working as a limit switch.
- Longer strokes on demand.

| Rated Force | REF.            | Stroke | Maximum Force | Usable Cross-Section | Size (mm) |     |     |     |            |     |    |    |    | Oil Capacity    | Weight |
|-------------|-----------------|--------|---------------|----------------------|-----------|-----|-----|-----|------------|-----|----|----|----|-----------------|--------|
|             |                 |        |               |                      | A         | B   | D   | E   | F          | J   | H  | K  | S  |                 |        |
| tn          |                 | mm.    | kN            | cm <sup>2</sup>      |           |     |     |     |            |     |    |    |    | cm <sup>3</sup> | Kg.    |
| 49,6        | <b>TOS05050</b> | 50     | 486,6         | 70,9                 | 125       | 175 | 123 | 95  | TR 95 x 4  | 88  | 22 | 6  | 23 | 355             | 11,2   |
| 92,9        | <b>TOS10045</b> | 45     | 911,2         | 132,7                | 138       | 183 | 165 | 130 | TR 130 x 6 | 117 | 22 | 8  | 31 | 597             | 22,2   |
| 149,7       | <b>TOS15045</b> | 45     | 1467,8        | 213,8                | 152       | 197 | 205 | 165 | TR 165 x 6 | 148 | 25 | 8  | 38 | 962             | 37,8   |
| 254,1       | <b>TOS25045</b> | 45     | 2492,2        | 363,1                | 160       | 205 | 265 | 215 | TR 215 x 6 | 202 | 28 | 10 | 42 | 1.634           | 71,5   |
| 343,6       | <b>TOS35045</b> | 45     | 3369,7        | 490,9                | 175       | 220 | 305 | 250 | TR 250 x 6 | 232 | 32 | 10 | 50 | 2.209           | 96,0   |
| 511,4       | <b>TOS50045</b> | 45     | 5015,4        | 730,6                | 192       | 237 | 375 | 305 | TR 305 x 6 | 292 | 40 | 12 | 60 | 3.288           | 160,0  |