

Hydraulic cylinders with safety lock nut model YELA

Single-acting, gravity return
capacity max. 30 - 1100t

Hydraulic cylinders with safety lock nut are recommended when loads have to remain in the lifted position over a period of time. The safety lock nut ensures a positive load hold in any position, and work can be carried out beneath the lifted load. Hydraulic pressure can be released so that cylinders work like mechanical supports. Pumps can be separated from cylinders.

Lifting and moving of large machinery, steel construction, bridges or similar loads, supporting of buildings and foundations.

For all heavy-duty jacking applications where a special safety factor is appropriate like lifting and lowering bridges, supporting buildings and foundations, jacking up heavy machines, steel sections, ship modules or similar loads.

Features

- Operating pressure max. 700 bar.
- Single-acting, gravity return.
- Generous guiding bands ensure a robust piston guiding.
- Hard chromium-plated piston with trapezoidal thread.
- Overflow hole ensures a definite piston end stop.
- Interchangeable hardened saddle.
- Oil port thread 3/8 NPT.
- Incl. female coupler half model CFY-1.
- All cylinders have lifting rings.



INFO

Further piston strokes are quoted on request.

Technical data model YELA

| Cylinder size t | Model | EAN-No. 4025092* 4053981** | Capacity max. kN | Stroke mm | Effective plunger area cm ² | Oil volume max. cm ³ | Closed height mm | Cylinder outside diameter mm | Weight kg |
|--------------------|--------------|----------------------------------|------------------------|--------------|--|---------------------------------------|------------------------|---------------------------------------|--------------|
| 30 | YELA-30/50 | 151894 | 300 | 50 | 44 | 221 | 169 | 100 | 10.5 |
| 30 | YELA-30/100 | 151900 | 300 | 100 | 44 | 442 | 219 | 100 | 13.5 |
| 30 | YELA-30/150 | 151917 | 300 | 150 | 44 | 663 | 269 | 100 | 17.5 |
| 50 | YELA-50/50 | **817118 | 497 | 50 | 71 | 355 | 155 | 125 | 15 |
| 50 | YELA-50/100 | **950266 | 497 | 100 | 71 | 710 | 205 | 125 | 20 |
| 50 | YELA-50/150 | **817088 | 497 | 150 | 71 | 1063 | 260 | 125 | 25 |
| 100 | YELA-93/50 | **817125 | 931 | 50 | 133 | 663 | 180 | 170 | 31 |
| 100 | YELA-93/100 | **817095 | 931 | 100 | 133 | 1327 | 230 | 170 | 40 |
| 100 | YELA-93/150 | **589220 | 931 | 150 | 133 | 1989 | 285 | 170 | 50 |
| 140 | YELA-140/50 | **945026 | 1400 | 50 | 201 | 1005 | 201 | 200 | 49 |
| 140 | YELA-140/100 | – | 1400 | 100 | 201 | 2010 | 251 | 200 | 61 |
| 140 | YELA-140/150 | **589022 | 1400 | 150 | 201 | 3015 | 311 | 200 | 76 |
| 220 | YELA-220/50 | – | 2200 | 50 | 314 | 1570 | 208 | 250 | 79 |
| 220 | YELA-220/100 | – | 2200 | 100 | 314 | 3140 | 258 | 250 | 98 |
| 220 | YELA-220/150 | **817101 | 2200 | 150 | 314 | 4710 | 318 | 250 | 121 |