

Model Shown:  
**RLS100**



▶ RLS200 used in this lifting application.



▶ **Features**

**IDEAL LOW CLEARANCE OR TIGHT CONSTRAINT APPLICATIONS REQUIRING HIGH FORCES.**

- Low height starting at 41,3 to 101,6 mm.
- Cylinder body, piston and gland nut are “Power-Tech” treated for corrosion and abrasion resistance.
- Standard domed piston rod (5-30 tons) or swivel cap (50-150 tons) minimize effects of off-center loading.
- Unique heavy-duty spring provides fast piston return on all cylinders, except RLS50.
- Coupler is angled upward for extra clearance, except RLS50.
- Complies with ANSI / ASME B30.1 safety standards.

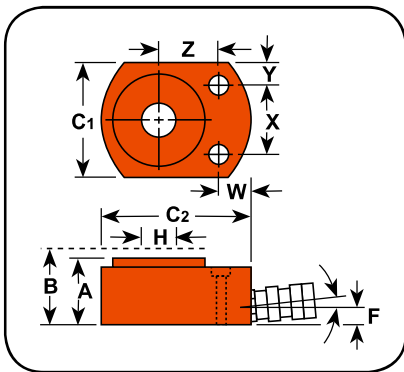


**RLS1000S (with swivel load cap)**



RLS Series ending with an “S” suffix denotes models equipped with a swivel load cap.

▶ **Technical Dimensions**



**Mounting holes for “RLS” cylinders**

| Order Number | C' Bore | Depth | "Thru Hole " |
|--------------|---------|-------|--------------|
|              | (mm)    | (mm)  | (mm)         |
| RLS50        | 8,6     | 6,4   | 5,6          |
| RLS100       | 10,7    | 8,7   | 7,1          |
| RLS200       | 15,5    | 10,4  | 10,4         |
| RLS300       | 15,5    | 11,2  | 10,4         |
| RLS500S      | 17,8    | 12,7  | 11,9         |
| RLS750S      | 20,3    | 14,2  | 13,5         |
| RLS1000S     | 20,3    | 14,2  | 13,5         |
| RLS1500S     | 20,3    | 14,2  | 13,5         |

▶ **Ordering Information**

| Cyl. Cap. | Stroke | Order No. | Oil Cap.           | A                 | B                | C1           | C2           | F    | H    | W    | X     | Y    | Z    | Bore Dia. | Cylinder Effective Area | Metric Tons at 700 | Prod. Wt. |
|-----------|--------|-----------|--------------------|-------------------|------------------|--------------|--------------|------|------|------|-------|------|------|-----------|-------------------------|--------------------|-----------|
|           |        |           |                    | Retract-ed Height | Extend-ed Height | Outside Dia. | Base to Port |      |      |      |       |      |      |           |                         |                    |           |
| (ton)     | (mm)   |           | (cm <sup>3</sup> ) | (mm)              | (mm)             | (mm)         | (mm)         | (mm) | (mm) | (mm) | (mm)  | (mm) | (mm) | (mm)      | (cm <sup>2</sup> )      | (bar)              | (kg)      |
| 5         | 14,3   | RLS50     | 10                 | 41,3              | 55,6             | 41,3         | 65,1         | 19,1 | 15,9 | 19,1 | 28,6  | 6,4  | 25,4 | 28,6      | 6,4                     | 4,5                | 1,0       |
| 10        | 11,1   | RLS100    | 17                 | 44,5              | 55,6             | 55,6         | 82,6         | 15,9 | 19,1 | 17,5 | 36,5  | 9,5  | 33,3 | 42,9      | 14,4                    | 10,1               | 1,5       |
| 20        | 11,1   | RLS200    | 33                 | 50,8              | 61,9             | 76,2         | 101,6        | 16,7 | 28,6 | 18,3 | 49,2  | 13,5 | 39,7 | 60,3      | 28,6                    | 20,1               | 2,5       |
| 30        | 12,7   | RLS300    | 53                 | 58,7              | 71,4             | 95,3         | 114,3        | 18,3 | 34,9 | 20,6 | 52,4  | 21,4 | 44,5 | 73,0      | 41,9                    | 29,5               | 3,9       |
| 50        | 15,9   | RLS500S   | 99                 | 66,7              | 82,6             | 114,3        | 139,7        | 21,4 | 44,5 | 23,8 | 66,7  | 23,8 | 54,0 | 88,9      | 62,1                    | 43,6               | 6,3       |
| 75        | 15,9   | RLS750S   | 163                | 79,4              | 95,3             | 140,5        | 165,1        | 25,4 | 54,0 | 23,8 | 76,2  | 32,1 | 65,9 | 114,3     | 102,6                   | 72,2               | 10,6      |
| 100       | 15,9   | RLS1000S  | 202                | 85,7              | 101,6            | 152,4        | 177,8        | 25,4 | 63,5 | 20,6 | 76,2  | 38,1 | 71,  | 127,0     | 126,6                   | 89,1               | 13,6      |
| 150       | 14,3   | RLS1500S  | 282                | 101,6             | 115,9            | 190,5        | 215,9        | 33,3 | 76,5 | 33,3 | 117,5 | 36,5 | 79,4 | 158,8     | 197,9                   | 139,2              | 23,6      |