

## SFC SERIES

### Single-Acting Low Flat Cylinders



Capacity: 10-150 tons

Stroke: 0.44-0.63 inch

Max. Pressure: 10,000 psi

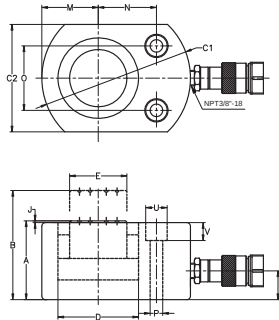
#### Pump Selection

Selection appropriate pumps for offer optimum combination. For details, please refer to the section "hydraulic pumps".



#### Features

- Flat design used in confined spaces.
- Single-acting, spring return.
- No saddle required with grooved plunger end.
- Two plunger threads on grooved plunger end for particular needs.
- Special painted surface to increase corrosion resistance.
- Easy carrying with handles on some models (Capacity over 75tons).
- All models include quick coupling and dust cap.



#### Mounting Hole Dimensions

| Model Number | Bolt Circle | Hole Dia. | Counter Bore Dia. | Counter Bore Depth |
|--------------|-------------|-----------|-------------------|--------------------|
|              | O           | P         | U                 | V                  |
|              | (inch)      |           | (inch)            |                    |
| SFC10-11     | 1.45        | 0.28      | 0.42              | 0.3                |
| SFC20-12     | 1.95        | 0.4       | 0.6               | 0.4                |
| SFC30-13     | 2.05        | 0.4       | 0.63              | 0.44               |
| SFC50-16     | 2.62        | 0.43      | 0.75              | 0.5                |
| SFC75-16     | 3           | 0.53      | 0.8               | 0.56               |
| SFC100-16    | 3           | 0.53      | 0.8               | 0.56               |
| SFC150-16    | 4.62        | 0.53      | 0.8               | 0.56               |

| Cylinder Capacity | Stroke | Model Number | Oil Capacity | Collapsed Height | Cylinder effective Area | Extend Height | Outside Dia.   | Cylinder Bore Dia. | Plunger Dia. | Base to Advance Port | Saddle Protrusion from Plunger | Plunger to Base | Plunger to Mounting Hole | Weight |
|-------------------|--------|--------------|--------------|------------------|-------------------------|---------------|----------------|--------------------|--------------|----------------------|--------------------------------|-----------------|--------------------------|--------|
|                   |        |              |              | A                | in 2                    | B             |                |                    |              |                      |                                |                 |                          |        |
| (ton)             | (inch) |              | (inch³)      | (inch)           | (inch)                  | (inch)        | C1 x C2 (inch) | D (inch)           | E (inch)     | F (inch)             | J (inch)                       | M (inch)        | N (inch)                 | (lbs)  |
| 10 (10.1)         | 0.44   | SFC10-11     | 1.1          | 1.73             | 2.33                    | 2.17          | 3.27 x 2.36    | 1.77               | 1.38         | 0.9                  | 0.04                           | 1.25            | 1.34                     | 3      |
| 20 (20.1)         | 0.44   | SFC20-12     | 2.3          | 2.05             | 4.8                     | 2.52          | 4.02 x 3.15    | 2.48               | 1.97         | 0.9                  | 0.04                           | 1.6             | 1.54                     | 5      |
| 30 (29.5)         | 0.5    | SFC30-13     | 3.6          | 2.28             | 6.98                    | 2.8           | 4.61 x 3.82    | 3                  | 2.36         | 0.9                  | 0.04                           | 1.9             | 1.85                     | 9      |
| 50 (54.9)         | 0.63   | SFC50-16     | 7.6          | 2.64             | 12.09                   | 3.27          | 5.91 x 4.92    | 3.95               | 3.15         | 0.9                  | 0.04                           | 2.48            | 2.36                     | 16     |
| 75 (71.8)         | 0.63   | SFC75-16     | 11.4         | 3.1              | 17.98                   | 3.78          | 6.97 x 5.98    | 4.8                | 3.95         | 0.83                 | 0.04                           | 3               | 2.87                     | 28     |
| 100 (88.7)        | 0.63   | SFC100-16    | 15           | 3.43             | 23.72                   | 4.06          | 7.99 x 7.05    | 5.5                | 4.4          | 0.9                  | 0.04                           | 3.52            | 3.31                     | 34     |
| 150 (138.6)       | 0.63   | SFC150-16    | 22.6         | 3.86             | 35.96                   | 4.5           | 9.29 x 8.35    | 6.7                | 5.7          | 0.98                 | 0.08                           | 4.17            | 3.62                     | 63     |