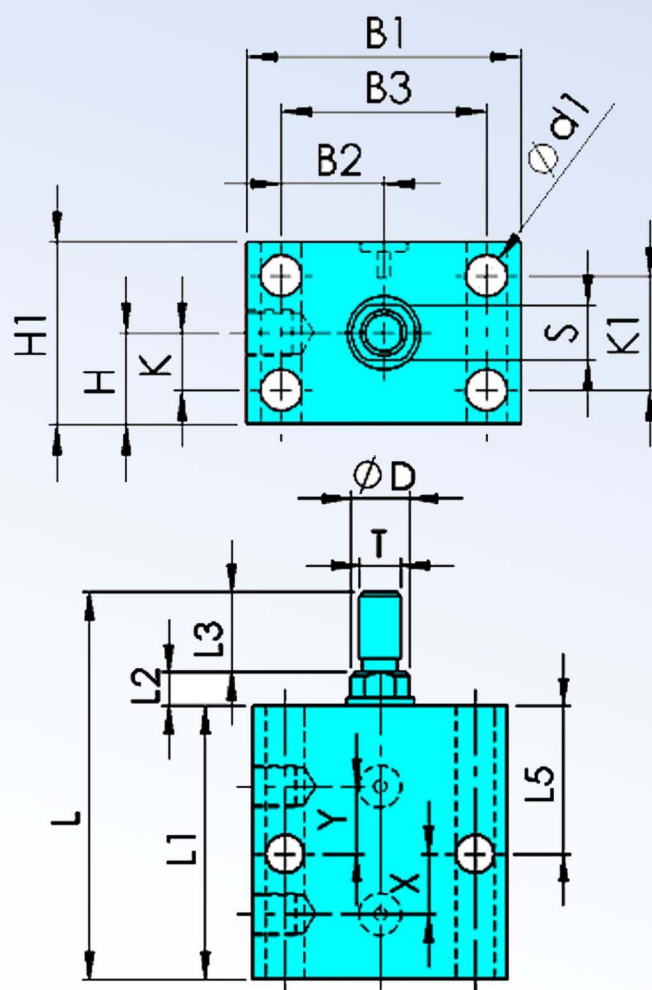
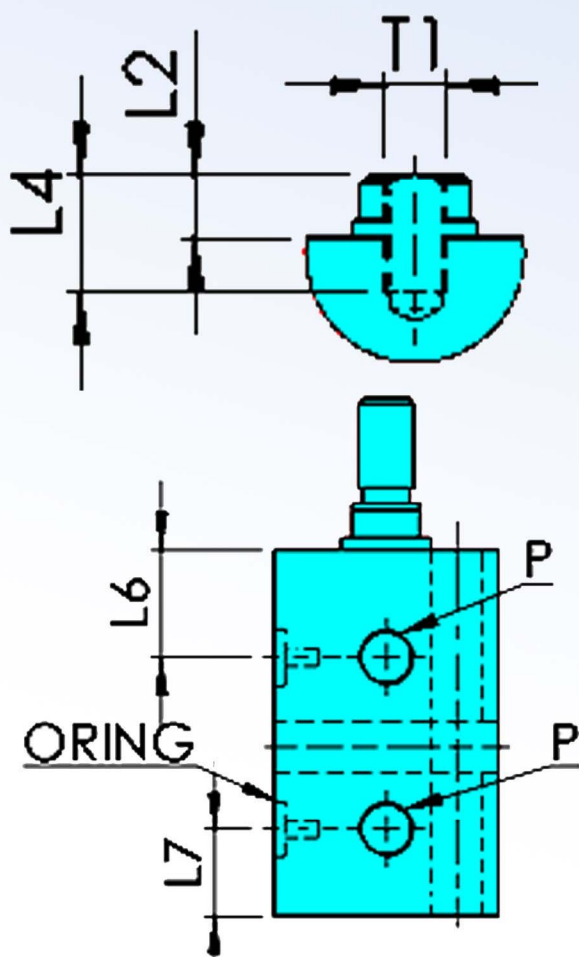


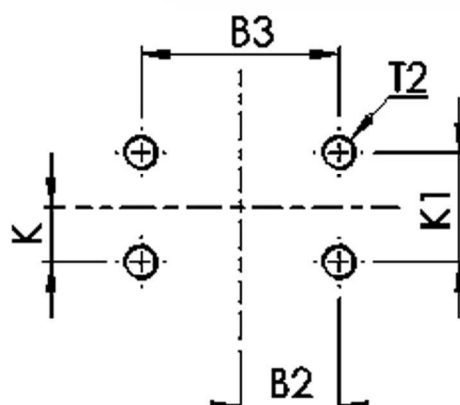
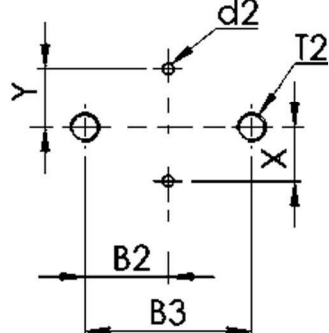


- ✱ Compact design with higher clamping force.
- ✱ Min /Max operating pressure 10/70 bar
- ✱ Cylinder are available with manifold mounting as optional.
- ✱ It can be used doing pushing & pulling
- ✱ It can be used with the stroke range 25,50,75

✱ Outline Dimension



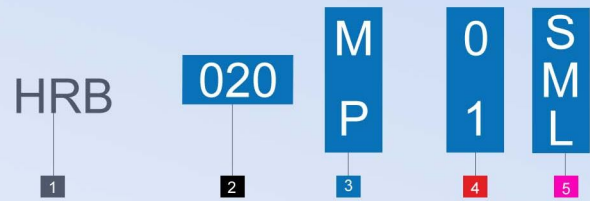
✱ Machining Dimension



Horizontal Mounting

Vertical Mounting

KNOW HOW TO ORDER



- 1 Rectangle Block shape
- 2 Bore Dia.
- 3 Piping Method (M=Manifold type, P=Piping type)
- 4 Shaft Thread Type (0=Female thread, 1=Male thread)
- 5 Stroke

Dimension Table

| MODEL          | HRB020    | HRB025    | HRB032     | HRB040     | HRB050     | HRB063      | HRB072      | HRB080      | HRB0100     |
|----------------|-----------|-----------|------------|------------|------------|-------------|-------------|-------------|-------------|
| PISTON DIA     | 20        | 25        | 32         | 40         | 50         | 63          | 72          | 80          | 100         |
| ROD DIA        | 12        | 16        | 20         | 25         | 32         | 40          | 45          | 50          | 60          |
| STROKE (S,M,L) | 16 25 50  | 16 25 50  | 25 50 75   | 25 50 75   | 25 50 75   | 25 50 75    | 25 50 75    | 25 50 75    | 25 50 75    |
| D1             | 9         | 9         | 11         | 11         | 13         | 13          | 17          | 22          | 22          |
| L1             | 66 75 100 | 66 75 100 | 80 105 130 | 80 105 130 | 95 120 145 | 100 125 150 | 100 125 150 | 105 130 155 | 105 130 155 |
| L2             | 8         | 8         | 12         | 12         | 14         | 15          | 15          | 15          | 15          |
| L3             | 16        | 18        | 22         | 28         | 36         | 36          | 36          | 40          | 40          |
| L4             | 16        | 19        | 21         | 25         | 25         | 28          | 28          | 40          | 42          |
| L5             | 35        | 35        | 40         | 40         | 50         | 50          | 50          | 60          | 60          |
| L6             | 19        | 19        | 22.5       | 22.5       | 30.5       | 31.5        | 30          | 37          | 37          |
| L7             | 16.5      | 16.5      | 17         | 17         | 17         | 20          | 20          | 23          | 23          |
| B1             | 60        | 65        | 75         | 85         | 100        | 125         | 145         | 140         | 160         |
| B2             | 22.5      | 25        | 27.5       | 31.5       | 38         | 50          | 55          | 55          | 65          |
| B3             | 45        | 50        | 55         | 63         | 76         | 100         | 110         | 110         | 130         |
| H              | 20        | 22.5      | 27.5       | 31.5       | 38         | 44          | 54          | 60          | 70          |
| H1             | 40        | 45        | 55         | 63         | 76         | 88          | 108         | 120         | 40          |
| K              | 12.5      | 15        | 17.5       | 1.5        | 22.5       | 30          | 30          | 40          | 50          |
| K1             | 25        | 30        | 35         | 43         | 45         | 60          | 60          | 80          | 100         |
| P              | 1/8"      | 1/8"      | 1/8"       | 1/4"       | 1/4"       | 1/4"        | 3/8"        | 1/2"        | 1/2"        |
| S              | 10        | 14        | 17         | 23         | 26         | 36          | 41          | 45          | 55          |
| T              | M10X1.5P  | M14X1.5P  | M16X1.5P   | M20X1.5P   | M24X1.5P   | M30X1.5P    | M36X1.5P    | M40X1.5P    | M45X1.5P    |
| T1             | M6        | M10       | M12        | M16        | M20        | M24         | M30X1.5P    | M36X1.5P    | M40X1.5P    |

Specification Table

| MODEL                      | HRB020       | HRB025        | HRB032         | HRB040         | HRB050          | HRB063           | HRB072            | HRB080            | HRB0100           |
|----------------------------|--------------|---------------|----------------|----------------|-----------------|------------------|-------------------|-------------------|-------------------|
| PUSHING FORCE<br>70 bar KN | 2.2          | 3.43          | 5.63           | 8.79           | 13.74           | 21.08            | 28.5              | 35.19             | 54.98             |
| PULLING FORCE<br>70 bar KN | 1.41         | 2.08          | 3.43           | 5.63           | 8.12            | 12.68            | 17.37             | 21.44             | 35.19             |
| STROKE (S,M,L)             | 16 25 50     | 16 25 50      | 25 50 75       | 25 50 75       | 25 50 75        | 25 50 75         | 25 50 75          | 25 50 75          | 25 50 75          |
| Temperature °C             | 0-70         |               |                |                |                 |                  |                   |                   |                   |
| Weight (KG)                | 1.1 1.2 1.4  | 1.3 1.5 1.5   | 2.1 2.8 3.4    | 2.8 3.6 4.4    | 4.7 5.9 7.1     | 7.3 9.6 11.4     | 10.2 12.7 14.5    | 10.7 13.0 14.5    | 14.4 17.4 19.0    |
| Cyl volume push            | 5.5 7.9 15.7 | 4.7 7.3 14.5  | 12.2 24.5 36.7 | 19.1 38.2 57.2 | 29.0 58.0 86.9  | 45.5 93.0 139.5  | 62.0 124.0 186.0  | 76.6 153.1 229.7  | 125.7 251.3 377.0 |
| Cyl volume pull            | 3.7 5.1 10.0 | 7.9 12.3 24.5 | 20.1 40.2 60.3 | 31.4 62.8 94.2 | 49.1 98.2 147.3 | 77.9 155.9 233.8 | 101.8 203.6 305.4 | 125.7 251.3 377.0 | 196.3 392.7 589.0 |

Machining dim. Table for mounting

| MODEL | HRB020         | HRB025         | HRB032   | HRB040   | HRB050   | HRB063   | HRB072   | HRB080   | HRB0100  |
|-------|----------------|----------------|----------|----------|----------|----------|----------|----------|----------|
| B2    | 22.5           | 25             | 27.5     | 31.5     | 38       | 50       | 55       | 55       | 65       |
| B3    | 45             | 50             | 55       | 63       | 76       | 100      | 110      | 110      | 130      |
| K     | 12.5           | 15             | 17.5     | 21.5     | 22.5     | 30       | 30       | 40       | 50       |
| K1    | 25             | 30             | 35       | 43       | 45       | 60       | 60       | 80       | 100      |
| T2    | M8             | M8             | M10      | M10      | M12      | M12      | M16      | M20      | M20      |
| d2    | 3              | 3              | 3        | 3        | 3        | 3        | 3        | 3        | 3        |
| X     | 14.5 23.5 48.5 | 14.5 23.5 48.5 | 23 48 73 | 23 48 73 | 28 53 78 | 30 55 80 | 30 55 80 | 22 47 72 | 22 47 72 |
| Y     | 16             | 16             | 17.5     | 17.5     | 19.5     | 18.5     | 20       | 23       | 23       |