

Clamp cylinders are single acting pneumatic cylinders with built-in oleo-pneumatic intensifiers. They can be used to solve most clamping, tightening etc problems.

- Single acting cylinders with built-in hydro-pneumatic intensifier
- Compact size with large clamping forces up to 2700 daN (depending on air pressure)
- Operated using a compressed air supply, no special installation required
- Easy adjustment through a fully threaded body
- Simple and rapid installation



### Operating information

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Working pressure:             | Max 9bar                                   |
| except VBH603 and VBH606 :    | Max 7bar                                   |
| Permissible fluid:            | Filtered (40μ) with or without lubrication |
| Standard working temperature: | +5°C to +50°C                              |

### Hydraulic clamps

| Order code | Max.stroke (mm) | Ø external (mm) | Force at 6bar (daN) |
|------------|-----------------|-----------------|---------------------|
| VB363C     | 3               | 36              | 240                 |
| VB366C     | 6               | 36              | 240                 |
| VB369C     | 9               | 36              | 240                 |
| VB483C     | 3               | 48              | 530                 |
| VB486C     | 6               | 48              | 530                 |
| VB489C     | 9               | 48              | 530                 |
| VB4812C    | 12              | 48              | 530                 |
| VBH483C    | 3               | 48              | 1060                |
| VB606C     | 6               | 60              | 1140                |
| VB609C     | 9               | 60              | 1140                |
| VB6012C    | 12              | 60              | 1140                |
| VBH603C    | 3               | 60              | 1800                |
| VBH606C    | 6               | 60              | 1800                |

### Maintenance

|              |        |        |         |        |         |
|--------------|--------|--------|---------|--------|---------|
| Seal kit for | VB Ø36 | VB Ø48 | VBH Ø48 | VB Ø60 | VBH Ø60 |
| Order code   | JJVB36 | JJVB48 | JJVBH48 | JJVB60 | JJVBH60 |

Oil container for all types of hydraulic clamp cylinders (250ml capacity) :  
Order code BH680VB

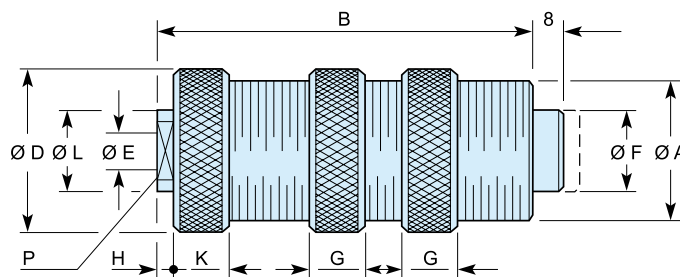
### Hydraulic clamp mountings

| Mounting for VB | Mounting block | Rounded end | V groove end |
|-----------------|----------------|-------------|--------------|
| Ø36             | FVA36-1        | BVA36-16    | BVA36-17     |
| Ø48             | FVA48-1        | BVA48-16    | BVA48-17     |
| Ø60             | FVA60-1        | BVA60-16    | BVA60-17     |



Mounting block    Rounded clamp piston end    V groove clamp piston end

### Dimensions (mm)



| Model No | ØA        | B     | ØD | ØE   | ØF | G  | H | K  | ØL | P  |
|----------|-----------|-------|----|------|----|----|---|----|----|----|
| VB363C   | M36 x 1,5 | 98,0  | 42 | G1/8 | 22 | 12 | 4 | 13 | 22 | 17 |
| VB366C   | M36 x 1,5 | 127,5 | 42 | G1/8 | 22 | 12 | 4 | 13 | 22 | 17 |
| VB369C   | M36 x 1,5 | 185,0 | 42 | G1/8 | 22 | 12 | 4 | 13 | 22 | 17 |
| VB483C   | M48 x 1,5 | 111,0 | 56 | G1/8 | 32 | 12 | 4 | 13 | 22 | 17 |
| VBH483C  | M48 x 1,5 | 148,0 | 56 | G1/8 | 32 | 12 | 4 | 13 | 22 | 17 |
| VB486C   | M48 x 1,5 | 148,0 | 56 | G1/8 | 32 | 12 | 4 | 13 | 22 | 17 |
| VB489C   | M48 x 1,5 | 188,0 | 56 | G1/8 | 32 | 12 | 4 | 13 | 22 | 17 |
| VB4812C  | M48 x 1,5 | 234,0 | 56 | G1/8 | 32 | 12 | 4 | 13 | 22 | 17 |
| VBH603C  | M60 x 2   | 175,0 | 70 | G1/4 | 40 | 14 | 5 | 17 | 25 | 22 |
| VB606C   | M60 x 2   | 175,0 | 70 | G1/4 | 40 | 14 | 5 | 17 | 25 | 22 |
| VBH606C  | M60 x 2   | 290,0 | 70 | G1/4 | 40 | 14 | 5 | 17 | 25 | 22 |
| VB609C   | M60 x 2   | 249,0 | 70 | G1/4 | 40 | 14 | 5 | 17 | 25 | 22 |
| VB6012C  | M60 x 2   | 314,0 | 70 | G1/4 | 40 | 14 | 5 | 17 | 25 | 22 |