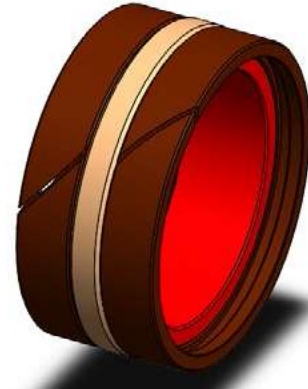


## Design

The AB Seals compact slide ring seal acts as a seal and bearing element for piston with double acting hydraulic cylinders. The CP seal consists of 4 parts, an elastic internal ring of Polyurethane, a slide ring of abrasion proof P.T.F.E. bronze compound as the actual sealing ring and two bearing rings of Polyamide compound. The onset of pressure compresses the elastic internal ring axially so that the slide ring is pressed more securely against the cylinder wall and the sealing effect is increased.



For information about other material options available, please contact your local AB Seals office.

### OPERATING RANGE

| Technical details | Metric                  | Inch          |
|-------------------|-------------------------|---------------|
| Maximum speed     | 1 m/sec                 | 3.28 FT/SEC   |
| Temperature Range | -30 to +100             | -22 F + 212 F |
| Maximum Pressure  | 360 bar                 | 5220 P.S.I    |
| Operating Fluid   | Standard hydraulic oils |               |

### MATERIAL

- Elastic internal ring- PUA/PUB
- Slide ring - PTB4/PTB6
- Bearing- PGF30

### APPLICATION

- Mobile hydraulics
- Machine tools
- Standard cylinder

### Maximum Extrusions Gap

Allowable Extrusion Gap is  
0.2 to 0.3 mm

### Surface Roughness

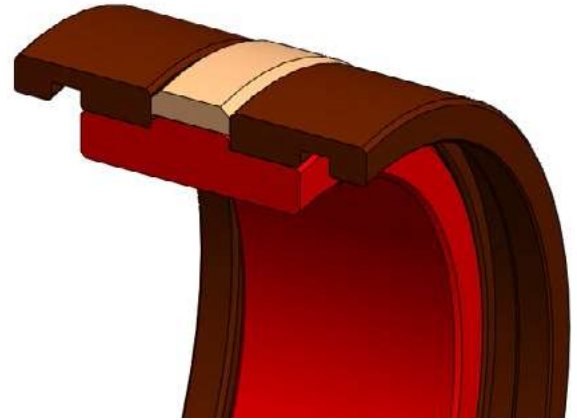
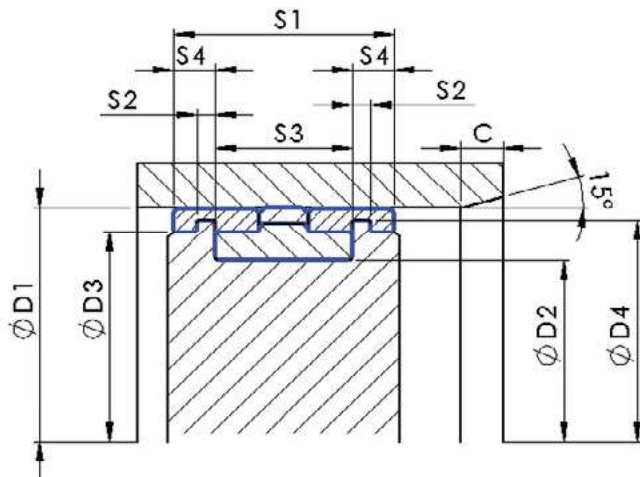
| Technical details | Ra (um) | Rt (um) |
|-------------------|---------|---------|
| Sliding Surface   | 0.3     | 1.5     |
| Base Groove       | 0.8     | 6.3     |
| Side Groove       | 3.2     | 15      |

### Chamfers & Radii

Chamfer 7 - 12 mm  
Radii 0.4 - 0.8 mm

### Ordering Code:

- Example For Temperature -30 to 100 And Tube Bore 50mm - CP503432
- For information about other material options available, please contact your local AB Seals office.
- For Requirement of other sizes contact us.



| ØD1 | ØD2 | S1 | ØD3 | ØD4 | S2  | S3   | S4   | c  | PART NO.   |
|-----|-----|----|-----|-----|-----|------|------|----|------------|
| 40  | 26  | 30 | 32  | 36  | 3.5 | 15.5 | 7.25 | 7  | CP402630   |
| 50  | 34  | 32 | 42  | 46  | 3   | 20.5 | 5.8  | 7  | CP503432   |
| 60  | 44  | 32 | 52  | 56  | 3   | 20.5 | 5.8  | 7  | CP604432   |
| 63  | 47  | 32 | 55  | 59  | 3   | 20.5 | 5.8  | 7  | CP634732   |
| 65  | 49  | 32 | 57  | 61  | 3   | 30.5 | 5.8  | 7  | CP654932   |
| 70  | 54  | 32 | 62  | 66  | 3   | 20.5 | 5.8  | 7  | CP705432   |
| 80  | 62  | 36 | 72  | 76  | 3   | 22.5 | 6.8  | 7  | CP806236   |
| 90  | 72  | 36 | 82  | 86  | 3   | 22.5 | 6.8  | 7  | CP907236   |
| 100 | 82  | 36 | 92  | 96  | 3   | 22.5 | 6.8  | 7  | CP1008236  |
| 110 | 92  | 36 | 102 | 106 | 3   | 22.5 | 6.8  | 10 | CP1109236  |
| 120 | 102 | 36 | 112 | 116 | 3   | 22.5 | 6.8  | 10 | CP12010236 |
| 125 | 103 | 43 | 115 | 121 | 4   | 26.5 | 8.3  | 10 | CP12510343 |
| 130 | 108 | 43 | 120 | 126 | 4   | 26.5 | 8.3  | 10 | CP13010843 |
| 140 | 118 | 43 | 130 | 136 | 4   | 26.5 | 8.3  | 10 | CP14011843 |
| 150 | 128 | 43 | 140 | 146 | 4   | 26.5 | 8.3  | 10 | CP15012843 |
| 160 | 138 | 43 | 150 | 156 | 4   | 26.5 | 8.3  | 10 | CP16013843 |
| 170 | 148 | 48 | 160 | 166 | 6   | 26.5 | 10.8 | 10 | CP17014848 |
| 180 | 158 | 48 | 170 | 176 | 6   | 26.5 | 10.8 | 10 | CP18015848 |
| 200 | 175 | 48 | 190 | 196 | 4.5 | 31.5 | 8.3  | 10 | CP20017548 |
| 220 | 195 | 58 | 210 | 216 | 8   | 31.5 | 13.3 | 12 | CP22019558 |
| 250 | 225 | 74 | 240 | 246 | 15  | 31.5 | 21.3 | 12 | CP25022574 |
| 260 | 235 | 74 | 250 | 256 | 15  | 31.5 | 21.3 | 12 | CP26023574 |
| 280 | 255 | 74 | 270 | 276 | 15  | 31.5 | 21.3 | 12 | CP28025574 |
| 300 | 275 | 74 | 290 | 296 | 15  | 31.5 | 21.8 | 12 | CP30027574 |
| 350 | 320 | 80 | 336 | 344 | 8.5 | 36.5 | 21.8 | 12 | CP35032080 |