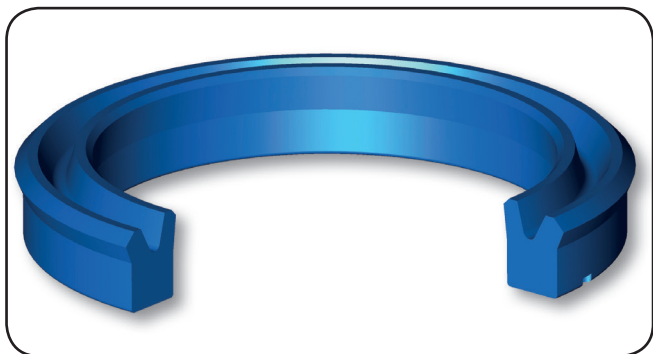
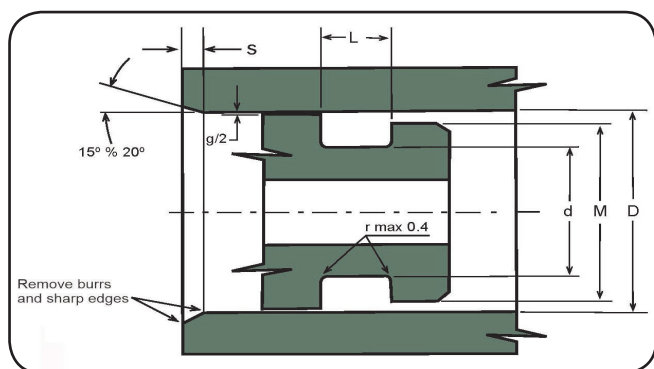




COLLAR WITH ASYMMETRICAL LIP



MAIN FEATURES

The CPE piston seal ensures a good reaction to pressure variation and a perfect closure at low pressures. The asymmetrical lip is designed to perform differently on static and dynamic surfaces. The static lip is more flexible to pressure variation and guarantees a wide contact surface. The dynamic lip, being shorter and stiffer, provides optimal contact with the dynamic surface. In double-acting assemblies, its lip is easily unloaded when the operation pressure varies, thanks to its specific design.

- ° High operating life
- ° High extrusion resistance
- ° Excellent wear resistance
- ° Good resistance to temperature
- ° Easy installation and assembly

CPE

DESCRIPTION

Polyurethane collar for single-acting piston with asymmetrical lip.

MATERIAL

Polyurethane. Hardness: 93° Sh A.

OPERATING CONDITIONS

Speed: < 0.5 m/sec.

Pressure: 40 Mpa.

Temperature: - 40 to + 100°C

Fluid: Hydraulic oil

(mineral based)

(For other fluids, contact a technician)

EXTRUSION GAP "G"

The maximum coupling clearance on the side opposite to the pressure direction.

- ° 50 bar. 1.20 mm
- ° 100 bar. 0.80 mm
- ° 200 bar. 0.40 mm
- ° 300 bar. 0.25 mm
- ° 400 bar. 0.17 mm

SURFACE ROUGHNESS

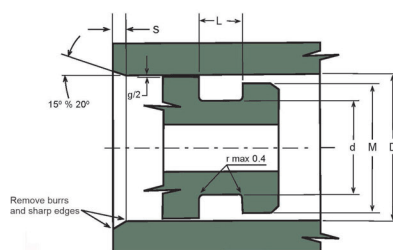
Dynamic surface $R_a < 0.3 \mu\text{m}$ $R_t < 2.5 \mu\text{m}$

Static surface $R_a < 1.6 \mu\text{m}$ $R_t < 6.3 \mu\text{m}$

ACCEPTANCE CHAMFER

D	S minimum
° Less than 100	5 mm
° From 100 to 200	7 mm
° more than 200	10 mm

CPE



Type	ØExt.	Øint	Ht.	D H10	d f8	L± 0.25	M
CPE	20.00	10.00	7.50	20.00	10.00	8.50	14.00
CPE	20.00	12.00	5.30	20.00	12.00	5.80	15.00
CPE	22.00	12.00	8.00	22.00	12.00	9.00	16.00
CPE	25.00	13.00	7.00	25.00	13.00	8.00	17.00
CPE	30.00	15.00	10.00	30.00	15.00	11.00	20.00
CPE	30.00	20.00	8.00	30.00	20.00	9.00	24.00
CPE	30.00	22.00	6.00	30.00	22.00	7.00	25.00
CPE	31.70	19.00	19.70	31.75	19.00	8.00	24.00
CPE	32.00	17.00	10.00	32.00	17.00	11.00	22.00
CPE	32.00	22.00	10.00	32.00	22.00	11.00	26.00
CPE	35.00	20.00	10.00	35.00	20.00	11.00	25.00
CPE	35.00	22.50	6.00	35.00	22.50	7.00	27.00
CPE	35.00	25.00	8.00	35.00	25.00	9.00	29.00
CPE	38.00	31.00	4.70	38.00	31.00	5.20	34.00
CPE	40.00	25.00	10.00	40.00	25.00	11.00	30.00
CPE	40.00	30.00	6.50	40.00	30.00	7.50	34.00
CPE	42.00	32.00	10.00	42.00	32.00	11.00	36.00
CPE	45.00	30.00	10.00	45.00	30.00	11.00	35.00
CPE	46.00	39.40	4.00	46.00	39.40	4.50	42.00
CPE	50.00	35.00	10.00	50.00	35.00	11.00	40.00
CPE	50.00	40.00	5.00	50.00	40.00	5.50	44.00
CPE	50.00	40.00	10.00	50.00	40.00	11.00	44.00
CPE	50.00	42.00	5.50	50.00	42.00	6.00	45.00
CPE	50.00	42.00	8.00	50.00	42.00	9.00	45.00
CPE	55.00	40.00	10.00	55.00	40.00	11.00	45.00
CPE	60.00	40.00	12.00	60.00	40.00	13.00	45.00
CPE	60.00	40.00	13.50	60.00	40.00	14.50	45.00
CPE	60.00	45.00	10.00	60.00	45.00	11.00	50.00
CPE	60.00	50.00	7.00	60.00	50.00	8.00	54.00

Type	ØExt.	Øint	Ht.	D H10	d f8	L± 0.25	M
CPE	70.00	60.00	7.00	70.00	60.00	8.00	64.00
CPE	70.00	60.00	8.00	70.00	60.00	9.00	64.00
CPE	70.00	60.00	12.00	70.00	60.00	13.00	64.00
CPE	75.00	65.00	5.00	75.00	65.00	5.50	69.00
CPE	75.00	65.00	7.00	75.00	65.00	8.00	69.00
CPE	75.00	65.00	10.00	75.00	65.00	11.00	69.00
CPE	75.00	65.00	12.00	75.00	65.00	13.00	69.00
CPE	80.00	60.00	12.00	80.00	60.00	13.00	65.00
CPE	80.00	60.00	13.50	80.00	60.00	14.50	65.00
CPE	80.00	65.00	12.00	80.00	65.00	13.00	70.00
CPE	80.00	70.00	7.00	80.00	70.00	8.00	74.00
CPE	85.00	65.00	13.50	85.00	65.00	14.50	70.00
CPE	90.00	70.00	12.00	90.00	70.00	13.00	75.00
CPE	90.00	70.00	13.50	90.00	70.00	14.50	75.00
CPE	90.00	75.00	10.00	90.00	75.00	11.00	80.00
CPE	90.00	75.00	12.00	90.00	75.00	13.00	80.00
CPE	90.00	80.00	5.00	90.00	80.00	5.50	84.00
CPE	95.00	85.00	7.00	95.00	85.00	8.00	89.00
CPE	95.00	85.00	8.50	95.00	85.00	9.50	89.00
CPE	95.00	87.00	4.00	95.00	87.00	4.50	91.00
CPE	100.00	80.00	12.00	100.00	80.00	13.00	85.00
CPE	100.00	85.00	12.00	100.00	85.00	13.00	90.00
CPE	100.00	90.00	8.00	100.00	90.00	9.00	94.00
CPE	105.00	85.00	12.00	105.00	85.00	13.00	90.00
CPE	110.00	100.00	7.00	110.00	100.00	8.00	104.00
CPE	120.00	100.00	12.00	120.00	100.00	13.00	105.00
CPE	125.00	105.00	12.00	125.00	105.00	13.00	110.00
CPE	180.00	160.00	13.50	180.00	160.00	14.50	165.00