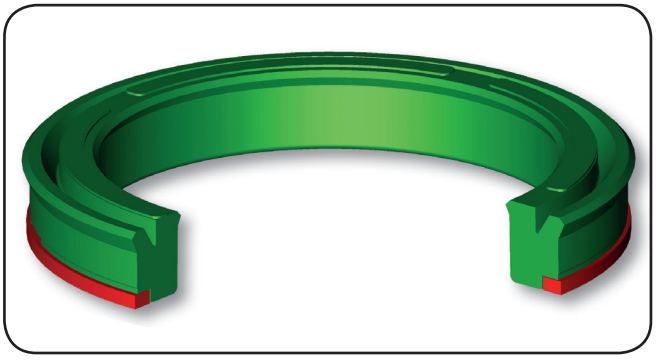


CPEA

DESCRIPTION

Polyurethane collar for single-acting piston, asymmetrical lip and anti-extrusion.

MATERIAL

Polyurethane. Hardness: 93º Sh A.
Acetal Resin Ring

OPERATING CONDITIONS

Speed: < 0.5 m/sec.
Pressure: <500 bars.
Temperature:- 40 to + 100ºC
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.

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

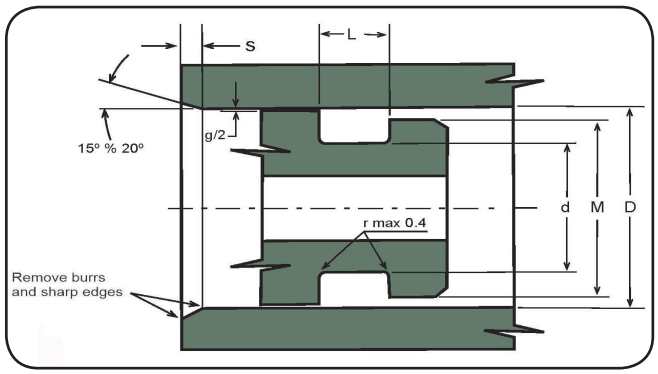
SURFACE ROUGHNESS

Dynamic surface Ra < 0.3 µm Rt < 2.5 µm
Static surface Ra < 1.6 µm Rt < 6.3 µm

ACCEPTANCE CHAMFER

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

ANTI-EXTRUSION RING COLLAR

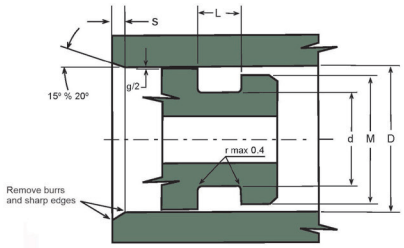


MAIN FEATURES

The CPEA piston seal is mainly used in high pressure applications, the anti-extrusion ring supports high coupling clearance and structural deformation with no risk of seal destruction. Its asymmetrical lip is designed to perform differently on static and dynamic surfaces: in static conditions it ensures a large contact surface, while in dynamic conditions the short, rigid lip concentrates the pressure against the dynamic surface. Mounted as an opposing seal for double-acting sealing systems.

º High extrusion resistance
º High resistance to structural deformation
º High operating life
º Excellent wear resistance
º Good resistance to temperature
º Easy to install

CPEA



Type	ØExt.	Øint	Ht.	D H10	d f8	L± 0.25	M
CPEA	40.00	25.00	9.00	40.00	25.00	9.50	35.00
CPEA	45.00	30.00	9.00	45.00	30.00	9.50	40.00
CPEA	50.00	35.00	9.00	50.00	35.00	9.50	45.00
CPEA	55.00	40.00	9.00	55.00	40.00	9.50	50.00
CPEA	60.00	40.00	14.00	60.00	40.00	14.50	54.00
CPEA	60.00	45.00	9.00	60.00	45.00	9.50	55.00
CPEA	63.00	48.00	9.00	63.00	48.00	9.50	58.00
CPEA	65.00	50.00	9.00	65.00	50.00	9.50	60.00
CPEA	70.00	50.00	12.00	70.00	50.00	12.50	64.00
CPEA	70.00	55.00	9.00	70.00	55.00	9.50	64.00
CPEA	75.00	55.00	12.00	75.00	55.00	12.50	69.00
CPEA	80.00	60.00	12.00	80.00	60.00	12.50	74.00
CPEA	80.00	65.00	9.00	80.00	65.00	9.50	75.00
CPEA	85.00	70.00	9.00	85.00	70.00	9.50	80.00
CPEA	90.00	70.00	12.00	90.00	70.00	12.50	84.00
CPEA	90.00	75.00	9.00	90.00	75.00	9.50	85.00
CPEA	100.00	80.00	12.00	100.00	80.00	12.50	94.00
CPEA	100.00	85.00	9.00	100.00	85.00	9.50	95.00
CPEA	100.00	85.00	14.00	100.00	85.00	14.50	95.00
CPEA	110.00	90.00	12.00	110.00	90.00	12.50	104.00
CPEA	110.00	95.00	9.00	110.00	95.00	9.50	105.00

Type	ØExt.	Øint	Ht.	D H10	d f8	L± 0.25	M
CPEA	115.00	95.00	12.00	115.00	95.00	12.50	109.00
CPEA	120.00	105.00	9.00	120.00	105.00	9.50	115.00
CPEA	125.00	100.00	15.00	125.00	100.00	15.50	117.00
CPEA	125.00	105.00	12.00	125.00	105.00	12.50	119.00
CPEA	130.00	110.00	12.00	130.00	110.00	12.50	124.00
CPEA	140.00	115.00	15.00	140.00	115.00	15.50	132.00
CPEA	140.00	120.00	12.00	140.00	120.00	12.50	134.00
CPEA	150.00	120.00	18.50	150.00	120.00	19.00	140.00
CPEA	150.00	130.00	12.00	150.00	130.00	12.50	144.00
CPEA	160.00	130.00	18.50	160.00	130.00	19.00	150.00
CPEA	160.00	140.00	12.00	160.00	140.00	12.50	154.00
CPEA	170.00	150.00	12.00	170.00	150.00	12.50	164.00
CPEA	180.00	150.00	18.50	180.00	150.00	19.00	170.00
CPEA	180.00	160.00	12.00	180.00	160.00	12.50	174.00
CPEA	190.00	170.00	12.00	190.00	170.00	12.50	184.00
CPEA	200.00	175.00	18.50	200.00	175.00	19.00	190.00
CPEA	200.00	175.00	15.00	200.00	175.00	15.50	192.00
CPEA	220.00	200.00	15.00	220.00	200.00	15.50	214.00
CPEA	250.00	220.00	18.50	250.00	220.00	19.00	240.00
CPEA	250.00	225.00	15.00	250.00	225.00	15.50	242.00