

CPN

DESCRIPTION

Polyurethane collar with symmetrical lips, rod and piston application.

MATERIAL

NBR 70 Shore
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

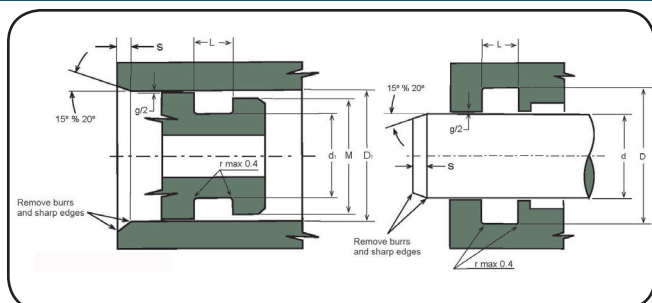
Dynamic surface Ra < 0.3 µm Rt < 2.5 µm
Static surface Ra < 1.6 µm Rt < 6.3 µm

ACCEPTANCE CHAMFER

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

•The "D" and "d" dimensions in black are those recommended by the CETOP standard.

ENERGISING SYMMETRICAL COLLAR

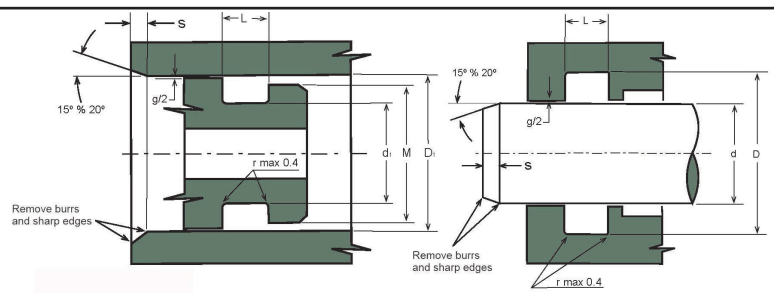


MAIN FEATURES

A natural evolution of the CP seal, the CPN seal, which can be used for both piston and rod applications, combines the advantage offered by the elasticity of nitrile rubber with the abrasion resistance of polyurethane. Its lip ensures a good reaction to pressure variation and an optimum reaction to all working conditions. The energising element inside the seal ensures a good closure capability of the lip at very low pressure. The material used to produce this gasket is a special polyurethane with an excellent anti-abrasion property which ensures a long operating life and high resistance to extrusion.

- ° Its lip profile is suitable for working on both rod and piston
- ° Cost-effective solution
- ° High operating life
- ° High extrusion resistance
- ° Excellent wear resistance
- ° Good resistance to temperature
- ° Easy installation and assembly

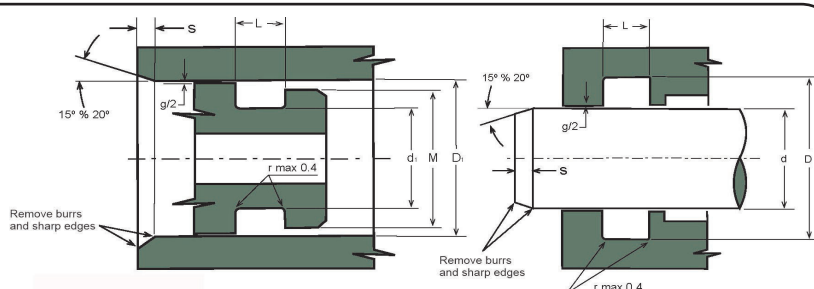
CPN



Type	ØInt	Øext.	Ht.	d 1f8 d f7	D 1H10 D H10	L ±0.25	M
CPN	5.00	17.00	9.00	5.00	17.00	10.00	11.00
CPN	8.00	18.00	9.00	8.00	18.00	10.00	11.00
CPN	10.00	18.00	5.00	10.00	18.00	6.00	12.00
CPN	10.00	20.00	8.00	10.00	20.00	9.00	12.00
CPN	10.00	22.00	8.00	10.00	22.00	9.00	13.00
CPN	12.00	22.00	5.00	12.00	22.00	6.00	15.00
CPN	12.00	22.00	7.00	12.00	22.00	8.00	15.00
CPN	12.00	22.00	8.00	12.00	22.00	9.00	15.00
CPN	12.00	24.00	8.00	12.00	24.00	9.00	15.00
CPN	14.00	24.00	8.00	14.00	24.00	9.00	16.00
CPN	14.00	27.00	7.00	14.00	27.00	8.00	16.00
CPN	15.00	25.00	8.00	15.00	25.00	9.00	18.00
CPN	15.00	25.00	10.00	15.00	25.00	11.00	18.00
CPN	16.00	26.00	5.00	16.00	26.00	6.00	19.00
CPN	16.00	26.00	8.00	16.00	26.00	9.00	19.00
CPN	16.00	28.00	6.00	16.00	28.00	7.00	19.00
CPN	17.00	27.00	6.50	17.00	27.00	7.60	19.00
CPN	18.00	28.00	8.00	18.00	28.00	9.00	21.00
CPN	18.00	30.00	8.00	18.00	30.00	9.00	21.00
CPN	20.00	29.00	5.00	20.00	29.00	5.50	22.00
CPN	20.00	30.00	8.00	20.00	30.00	9.00	23.00
CPN	20.00	30.00	10.00	20.00	30.00	11.00	23.00
CPN	20.00	32.00	7.50	20.00	32.00	8.50	23.00
CPN	20.00	40.00	10.00	20.00	40.00	11.00	24.00
CPN	22.00	40.00	10.00	22.00	40.00	11.00	25.00
CPN	22.00	32.00	10.00	22.00	32.00	11.00	25.00
CPN	22.00	35.00	10.00	22.00	35.00	11.00	25.00
CPN	22.00	40.00	10.00	22.00	40.00	11.00	25.00
CPN	25.00	33.00	5.00	25.00	33.00	5.50	27.00
CPN	25.00	35.00	8.00	25.00	35.00	9.00	28.00
CPN	25.00	35.00	10.00	25.00	35.00	11.00	28.00
CPN	25.00	38.00	8.00	25.00	38.00	9.00	28.00
CPN	25.00	38.00	10.00	25.00	38.00	11.00	28.00
CPN	25.00	40.00	10.00	25.00	40.00	11.00	28.00
CPN	28.00	38.00	7.00	28.00	38.00	8.00	31.00
CPN	28.00	38.00	8.00	28.00	38.00	9.00	31.00
CPN	28.00	38.00	10.00	28.00	38.00	11.00	31.00
CPN	28.00	40.00	10.00	28.00	40.00	11.00	31.00
CPN	30.00	40.00	5.00	30.00	40.00	5.50	33.00

Type	ØInt	Øext.	Ht.	d 1f8 d f7	D 1H10 D H10	L ±0.25	M
CPN	30.00	40.00	6.00	30.00	40.00	7.00	33.00
CPN	30.00	40.00	10.00	30.00	40.00	11.00	33.00
CPN	30.00	42.00	9.00	30.00	42.00	10.00	33.00
CPN	30.00	42.00	10.00	30.00	42.00	11.00	33.00
CPN	30.00	45.00	10.00	30.00	45.00	11.00	34.00
CPN	30.00	50.00	10.00	30.00	50.00	11.00	34.00
CPN	30.00	50.00	12.00	30.00	50.00	13.00	34.00
CPN	32.00	40.00	5.50	32.00	40.00	6.00	34.00
CPN	32.00	40.00	8.00	32.00	40.00	9.00	34.00
CPN	32.00	42.00	10.00	32.00	42.00	11.00	35.00
CPN	32.00	45.00	10.00	32.00	45.00	11.00	35.00
CPN	34.00	45.00	7.00	34.00	45.00	8.00	37.00
CPN	34.00	45.00	9.00	34.00	45.00	10.00	37.00
CPN	35.00	45.00	6.00	35.00	45.00	7.00	38.00
CPN	35.00	45.00	7.00	35.00	45.00	8.00	38.00
CPN	35.00	45.00	8.00	35.00	45.00	9.00	38.00
CPN	35.00	45.00	10.00	35.00	45.00	11.00	38.00
CPN	35.00	48.00	10.00	35.00	48.00	11.00	38.00
CPN	35.00	50.00	10.00	35.00	50.00	11.00	39.00
CPN	35.00	55.00	10.00	35.00	55.00	11.00	39.00
CPN	36.00	46.00	7.00	36.00	46.00	8.00	39.00
CPN	38.00	46.00	6.50	38.00	46.00	7.50	40.00
CPN	38.00	50.00	9.00	38.00	50.00	10.00	41.00
CPN	38.00	55.00	10.00	38.00	55.00	11.00	41.00
CPN	40.00	50.00	5.00	40.00	50.00	5.50	43.00
CPN	40.00	50.00	6.00	40.00	50.00	7.00	43.00
CPN	40.00	50.00	6.50	40.00	50.00	7.50	43.00
CPN	40.00	50.00	8.00	40.00	50.00	9.00	43.00
CPN	40.00	50.00	10.00	40.00	50.00	11.00	43.00
CPN	40.00	55.00	10.00	40.00	55.00	11.00	44.00
CPN	40.00	60.00	10.00	40.00	60.00	11.00	45.00
CPN	40.00	60.00	13.00	40.00	60.00	14.00	45.00
CPN	42.00	50.00	6.00	42.00	50.00	7.00	44.00
CPN	42.00	50.00	8.00	42.00	50.00	9.00	44.00
CPN	42.00	52.00	9.00	42.00	52.00	10.00	45.00
CPN	42.00	62.00	12.00	42.00	62.00	13.00	47.00
CPN	45.00	53.00	6.50	45.00	53.00	7.50	48.00
CPN	45.00	55.00	6.00	45.00	55.00	7.00	48.00
CPN	45.00	55.00	6.50	45.00	55.00	7.50	48.00

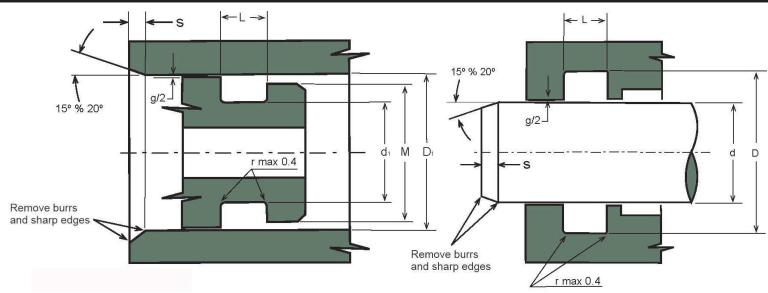
CPN



Type	ØInt	Øext.	Ht.	d 1f8 d f7	D 1H10 D H10	L ±0.25	M
CPN	45.00	55.00	10.00	45.00	55.00	11.00	48.00
CPN	45.00	56.00	7.00	45.00	56.00	8.00	48.00
CPN	45.00	60.00	10.00	45.00	60.00	11.00	49.00
CPN	45.00	63.00	10.00	45.00	63.00	11.00	49.00
CPN	45.00	65.00	10.00	45.00	65.00	11.00	50.00
CPN	45.00	65.00	12.00	45.00	65.00	13.00	50.00
CPN	48.00	58.00	10.00	48.00	58.00	11.00	51.00
CPN	50.00	60.00	6.00	50.00	60.00	7.00	53.00
CPN	50.00	60.00	10.00	50.00	60.00	11.00	53.00
CPN	50.00	60.00	11.00	50.00	60.00	12.00	53.00
CPN	50.00	62.00	9.00	50.00	62.00	10.00	53.00
CPN	50.00	63.00	6.00	50.00	63.00	7.00	54.00
CPN	50.00	65.00	10.00	50.00	65.00	11.00	54.00
CPN	50.00	70.00	10.00	50.00	70.00	11.00	55.00
CPN	50.00	70.00	12.00	50.00	70.00	13.00	55.00
CPN	53.00	63.00	6.50	53.00	63.00	7.50	56.00
CPN	55.00	65.00	6.00	55.00	65.00	7.00	58.00
CPN	55.00	65.00	10.00	55.00	65.00	11.00	58.00
CPN	55.00	65.00	12.00	55.00	65.00	13.00	58.00
CPN	55.00	70.00	12.00	55.00	70.00	13.00	59.00
CPN	55.00	75.00	12.00	55.00	75.00	13.00	60.00
CPN	56.00	66.00	5.00	56.00	66.00	5.50	59.00
CPN	60.00	70.00	5.00	60.00	70.00	5.50	63.00
CPN	60.00	70.00	6.00	60.00	70.00	7.00	63.00
CPN	60.00	70.00	8.00	60.00	70.00	9.00	63.00
CPN	60.00	70.00	10.00	60.00	70.00	11.00	63.00
CPN	60.00	70.00	12.00	60.00	70.00	13.00	63.00
CPN	60.00	75.00	10.00	60.00	75.00	11.00	64.00
CPN	60.00	75.00	12.00	60.00	75.00	13.00	64.00
CPN	60.00	80.00	10.00	60.00	80.00	11.00	65.00
CPN	60.00	80.00	12.00	60.00	80.00	13.00	65.00
CPN	63.00	73.00	6.00	63.00	73.00	7.00	66.00
CPN	63.00	75.00	10.00	63.00	75.00	11.00	66.00
CPN	65.00	75.00	6.00	65.00	75.00	7.00	68.00
CPN	65.00	75.00	12.00	65.00	75.00	13.00	68.00
CPN	65.00	80.00	10.00	65.00	80.00	11.00	69.00
CPN	65.00	80.00	12.00	65.00	80.00	13.00	69.00
CPN	65.00	85.00	12.00	65.00	85.00	13.00	70.00
CPN	67.00	77.00	10.00	67.00	77.00	11.00	70.00

Type	ØInt	Øext.	Ht.	d 1f8 d f7	D 1H10 D H10	L ± 0.25	M
CPN	70.00	80.00	5.00	70.00	80.00	6.00	73.00
CPN	70.00	80.00	6.00	70.00	80.00	7.00	73.00
CPN	70.00	80.00	8.00	70.00	80.00	9.00	73.00
CPN	70.00	80.00	10.00	70.00	80.00	11.00	73.00
CPN	70.00	80.00	12.00	70.00	80.00	13.00	73.00
CPN	70.00	85.00	11.00	70.00	85.00	12.00	74.00
CPN	70.00	85.00	12.00	70.00	85.00	13.00	74.00
CPN	70.00	90.00	12.00	70.00	90.00	13.00	75.00
CPN	75.00	85.00	6.00	75.00	85.00	7.00	78.00
CPN	75.00	85.00	12.00	75.00	85.00	13.00	78.00
CPN	75.00	90.00	7.50	75.00	90.00	8.50	79.00
CPN	75.00	90.00	10.00	75.00	90.00	11.00	79.00
CPN	75.00	90.00	12.00	75.00	90.00	13.00	79.00
CPN	75.00	95.00	12.00	75.00	95.00	13.00	80.00
CPN	80.00	90.00	5.00	80.00	90.00	6.00	83.00
CPN	80.00	90.00	6.00	80.00	90.00	7.00	83.00
CPN	80.00	90.00	8.00	80.00	90.00	9.00	83.00
CPN	80.00	90.00	10.00	80.00	90.00	11.00	83.00
CPN	80.00	90.00	12.00	80.00	90.00	13.00	83.00
CPN	80.00	95.00	12.00	80.00	95.00	13.00	84.00
CPN	80.00	100.00	9.50	80.00	100.00	10.50	85.00
CPN	80.00	100.00	12.00	80.00	100.00	13.00	85.00
CPN	85.00	95.00	8.50	85.00	95.00	9.50	88.00
CPN	85.00	95.00	12.00	85.00	95.00	13.00	88.00
CPN	85.00	100.00	9.00	85.00	100.00	10.00	89.00
CPN	85.00	100.00	12.00	85.00	100.00	13.00	89.00
CPN	85.00	105.00	12.00	85.00	105.00	13.00	90.00
CPN	90.00	100.00	8.00	90.00	100.00	9.00	93.00
CPN	90.00	100.00	12.00	90.00	100.00	13.00	93.00
CPN	90.00	105.00	12.00	90.00	105.00	13.00	94.00
CPN	90.00	110.00	12.00	90.00	110.00	13.00	95.00
CPN	95.00	110.00	12.00	95.00	110.00	13.00	99.00
CPN	95.00	115.00	12.00	95.00	115.00	13.00	100.00
CPN	100.00	115.00	12.00	100.00	115.00	13.00	104.00
CPN	100.00	120.00	12.00	100.00	120.00	13.00	105.00
CPN	100.00	125.00	12.00	100.00	125.00	13.00	105.00
CPN	100.00	125.00	15.00	100.00	125.00	16.00	105.00
CPN	105.00	120.00	15.00	105.00	120.00	16.00	109.00
CPN	105.00	125.00	12.00	105.00	125.00	13.00	110.00

CPN



Type	ØInt	Øext.	Ht.	d f8 d f7	D1 H10 D H10	L ±0.25	M
CPN	105.00	125.00	15.00	105.00	125.00	16.00	110.00
CPN	110.00	125.00	12.00	110.00	125.00	13.00	114.00
CPN	110.00	125.00	15.00	110.00	125.00	16.00	114.00
CPN	110.00	130.00	15.00	110.00	130.00	16.00	115.00
CPN	115.00	135.00	15.00	115.00	135.00	16.00	118.00
CPN	120.00	140.00	15.00	120.00	140.00	16.00	125.00
CPN	125.00	140.00	11.00	125.00	140.00	12.00	129.00
CPN	125.00	140.00	15.00	125.00	140.00	16.00	129.00
CPN	125.00	145.00	15.00	125.00	145.00	16.00	130.00
CPN	130.00	150.00	15.00	130.00	150.00	16.00	135.00
CPN	140.00	160.00	15.00	140.00	160.00	16.00	145.00
CPN	145.00	165.00	15.00	145.00	165.00	16.00	150.00
CPN	150.00	170.00	15.00	150.00	170.00	16.00	155.00
CPN	160.00	180.00	15.00	160.00	180.00	16.00	165.00
CPN	170.00	190.00	15.00	170.00	190.00	16.00	175.00
CPN	175.00	200.00	15.00	175.00	200.00	16.00	180.00
CPN	180.00	200.00	15.00	180.00	200.00	16.00	185.00
CPN	200.00	225.00	18.00	200.00	225.00	19.00	206.00
CPN	220.00	250.00	18.00	220.00	250.00	19.00	225.00
CPN	200.00	225.00	18.00	200.00	225.00	19.00	206.00
CPN	220.00	250.00	18.00	220.00	250.00	19.00	225.00