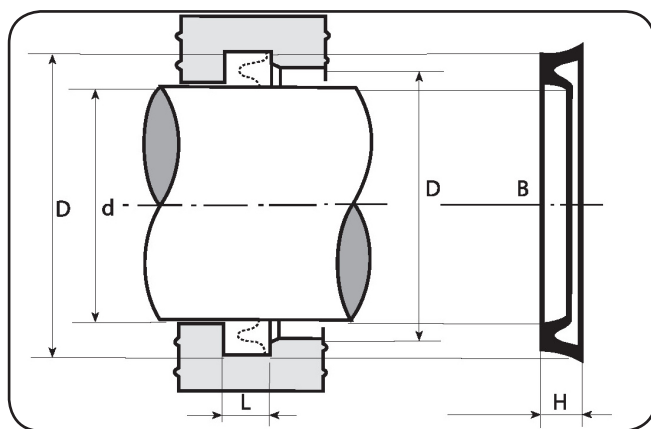




COLLAR WITH ASYMMETRICAL LIPS



MAIN FEATURES

The CNV seal is designed for pneumatic actuation systems where low friction is required, as well as for low pressure hydraulic applications.

It should be noted that the nominal size of the collar differs from its actual size and that a dimensional check can only be carried out once the collar has been fitted in its housing. Optimum sealing is achieved, even in the absence of pressure, thanks to the short lips with receded sealing edges. The pressure of the medium contributes to increasing the pinching force of the lips, deforming the collar.

- ° Cost-effective solution
- ° Excellent wear resistance
- ° Good resistance to temperature
- ° Easy installation and assembly

CNV

DESCRIPTION

Nitrile collar with asymmetrical lips.

MATERIAL

Topology: NBR Nitrile rubber.

Designation: RUBSEAL 90

Hardness: 80° Sh A

OPERATING CONDITIONS

Speed: < 0.5 m/sec. Pressure: < 100 Bar.

Temperature: - 30 to + 100°C

EXTRUSION GAP "S"

The clearance between the rod and the housing in the heel area must not exceed the values indicated in the following table.

Maximum EXTRUSION GAP
DEPENDENT ON pressure:

° 50 bar.	0.30 mm
° 100 bar.	0.25 mm

SURFACE ROUGHNESS

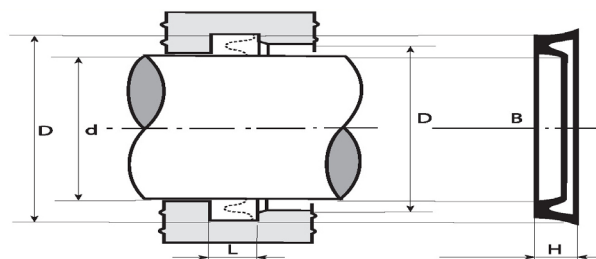
Dynamic surface $R_a < 0.3 \mu\text{m}$ $R_t < 2.5 \mu\text{m}$

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

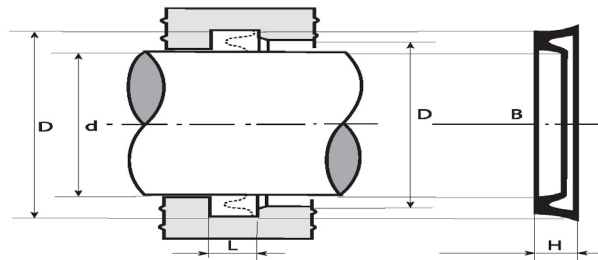
- Check tolerances and cavity finish
- Avoid edges and threads
- Lubricate the seals before mounting

$\varnothing d$	d	D
<180	f ₈	H ₁₁

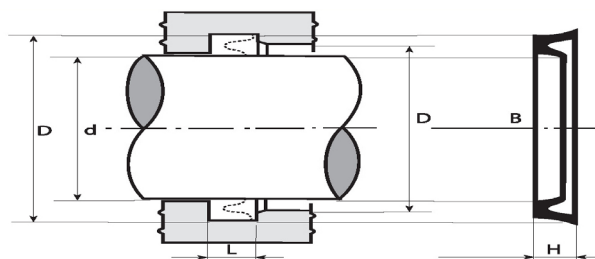
•The "D" and "d" dimensions in black are those recommended by the CETOP standard.

CNV

TYPE	ØExt.	Øint.	Ht.	Reference	D H11	d f8	H	T	L+ 0.2
CNV	8.75	3.17	3.96	DI012	8.75	3.17	3.96	5.50	6.00
CNV	11.11	4.76	3.96	DI018	11.11	4.76	3.96	5.50	8.00
CNV	12.00	6.00	4.00	DIM612	12.00	6.00	4.00	5.50	9.00
CNV	12.70	6.35	3.96	DI025	12.70	6.35	3.96	5.50	9.50
CNV	14.28	7.93	3.96	DI031	14.28	7.93	3.96	5.50	11.00
CNV	14.00	8.00	4.00	DIM814	14.00	8.00	4.00	5.50	11.00
CNV	16.00	8.00	5.50	DIM816	16.00	8.00	5.50	7.00	12.00
CNV	16.50	9.52	3.96	DI037	16.50	9.52	3.96	5.50	13.00
CNV	18.00	10.00	5.50	DIM1018	18.00	10.00	5.50	7.00	14.00
CNV	19.05	11.11	3.96	DI043	19.05	11.11	3.96	5.50	15.00
CNV	20.00	12.00	5.50	DIM1220	20.00	12.00	5.50	7.00	16.00
CNV	21.00	12.70	5.10	DI050	21.00	12.70	5.10	7.00	16.50
CNV	22.00	14.00	5.50	DIM1422	22.00	14.00	5.50	7.00	18.00
CNV	20.63	14.28	4.76	DI056	20.63	14.28	4.76	6.00	17.50
CNV	22.22	15.87	4.76	DI062	22.22	15.87	4.76	6.00	19.00
CNV	24.00	16.00	5.50	DIM1624	24.00	16.00	5.50	7.00	20.00
CNV	23.81	17.46	4.60	DI068	23.81	17.46	4.60	6.00	20.50
CNV	25.00	18.00	4.50	DIM1825	25.00	18.00	4.50	6.00	21.50
CNV	26.00	18.00	5.50	DIM18	26.00	18.00	5.50	6.00	22.00
CNV	25.40	19.08	4.76	DI075	25.40	19.08	4.76	6.00	22.00
CNV	28.00	20.00	5.50	DIM2028	28.00	20.00	5.50	7.00	24.00
CNV	28.58	20.63	4.76	DI081	28.58	20.63	4.76	6.00	24.50
CNV	30.00	22.00	5.50	DIM22	30.00	22.00	5.50	6.00	26.00
CNV	31.75	22.22	4.76	DI087	31.75	22.22	4.76	6.00	27.00
CNV	36.51	23.81	6.35	DI093	36.51	23.81	6.35	8.00	30.00
CNV	35.00	25.00	7.00	DIM2535	35.00	25.00	7.00	8.50	30.00
CNV	38.10	25.40	6.35	DI100	38.10	25.40	6.35	8.00	31.50
CNV	36.51	26.99	6.35	DI106	36.51	26.99	6.35	8.00	31.50
CNV	36.00	28.00	5.50	DIM2836	36.00	28.00	5.50	7.00	32.00
CNV	38.00	28.00	7.00	DIM28	38.00	28.00	7.00	7.50	33.00
CNV	41.28	28.58	7.93	DI112	41.28	28.58	7.93	9.50	34.50
CNV	38.10	30.16	6.35	DI118	38.10	30.16	6.35	8.00	34.00
CNV	44.45	31.75	6.35	DI125	44.45	31.75	6.35	8.00	38.00
CNV	42.00	32.00	7.00	DIM32-42	42.00	32.00	7.00	8.50	37.00
CNV	40.63	33.34	4.60	DI131	40.63	33.34	4.60	6.00	37.00
CNV	50.80	34.93	7.93	DI137	50.80	34.93	7.93	9.50	42.50
CNV	46.00	36.00	7.00	DIM36	46.00	36.00	7.00	7.50	41.00
CNV	50.80	36.51	7.93	DI143	50.80	36.51	7.93	9.50	43.00
CNV	50.80	38.10	9.52	DI150	50.80	38.10	9.52	11.00	44.50
CNV	55.96	39.69	9.52	DI156	55.96	39.69	9.52	11.00	47.50

CNV

TYPE	ØExt.	Øint.	Ht.	Reference	D H11	d f8	H	T	L+ 0.2
CNV	50.00	40.00	7.00	DIM40-50	50.00	40.00	7.00	8.50	45.00
CNV	50.80	41.28	5.55	DI162	50.80	41.28	5.55	7.00	46.00
CNV	53.98	42.86	9.52	DI168	53.98	42.86	9.52	11.00	48.50
CNV	57.15	44.45	7.93	DI175	57.15	44.45	7.93	9.50	50.50
CNV	55.00	45.00	7.00	DIM45	55.00	45.00	7.00	7.50	50.00
CNV	60.33	46.04	9.52	DI181	60.33	46.04	9.52	11.00	53.00
CNV	63.50	47.63	9.52	DI187	63.50	47.63	9.52	11.00	55.50
CNV	66.68	49.21	9.52	DI193	66.68	49.21	9.52	11.00	57.50
CNV	60.00	50.00	7.00	DIM50	60.00	50.00	7.00	7.50	55.00
CNV	73.03	50.80	11.11	DI200	73.03	50.80	11.11	12.50	61.50
CNV	69.85	53.98	9.52	DI212	69.85	53.98	9.52	11.00	61.50
CNV	68.00	56.00	7.00	DIM56	68.00	56.00	7.00	7.50	62.00
CNV	68.00	56.00	8.50	DIM56-68	68.00	56.00	8.50	10.00	62.00
CNV	69.85	57.15	7.93	DI225	69.85	57.15	7.93	9.50	63.50
CNV	72.00	60.00	8.50	DIM60-72	72.00	60.00	8.50	10.00	66.00
CNV	76.20	60.33	7.93	DI237	76.20	60.33	7.93	9.50	68.00
CNV	75.00	63.00	8.50	DIM63-75	75.00	63.00	8.50	10.00	69.00
CNV	76.20	63.50	7.93	DI250	76.20	63.50	7.93	9.50	69.50
CNV	77.00	65.00	8.50	DIM65-77	77.00	65.00	8.50	10.00	71.00
CNV	79.38	66.68	9.52	DI262	79.38	66.68	9.52	11.00	73.00
CNV	90.90	69.85	9.52	DI275	90.90	69.85	9.52	11.00	80.00
CNV	82.00	70.00	8.50	DIM70	82.00	70.00	8.50	9.50	76.00
CNV	82.55	73.03	9.52	DI287	82.55	73.03	9.52	11.00	77.50
CNV	88.90	76.20	9.52	DI300	88.90	76.20	9.52	11.00	82.50
CNV	98.43	79.38	9.52	DI312	98.43	79.38	9.52	11.00	88.50
CNV	92.00	80.00	8.50	DIM80-92	92.00	80.00	8.50	10.00	86.00
CNV	95.25	82.55	7.93	DI325	95.25	82.55	7.93	9.50	88.50
CNV	98.43	85.73	9.52	DI337	98.43	85.73	9.52	11.00	92.00
CNV	101.60	88.90	9.52	DI350	101.60	88.90	9.52	11.00	95.00
CNV	102.00	90.00	8.50	DIM90	102.00	90.00	8.50	9.50	96.00
CNV	106.40	92.08	7.93	DI362	106.40	92.08	7.93	9.50	99.00
CNV	111.10	95.25	9.52	DI375	111.10	95.25	9.52	11.00	103.00
CNV	107.95	98.43	9.52	DI387	107.95	98.43	9.52	11.00	103.00
CNV	112.00	100.00	8.50	DIM00-112	8.50	112.00	10.00	106.00	
CNV	115.00	100.00	10.00	DIM00-115	10.00	115.00	11.50	107.50	
CNV	111.10	101.60	5.75	DI400	111.10	101.60	5.75	7.00	106.00
CNV	127.00	107.95	9.52	DI425	127.00	107.95	9.52	11.00	117.50
CNV	130.00	110.00	14.00	DIM110-130	130.00	110.00	14.00	15.50	120.00
CNV	146.05	114.30	12.70	DI450	146.05	114.30	12.70	14.00	130.00
CNV	136.50	120.65	7.14	DI475	136.50	120.65	7.14	8.50	128.50

CNV

TYPE	ØExt.	Øint.	Ht.	Reference	D H11	d f8	H	T	L+ 0.2
CNV	145.00	125.00	14.00	DIM125-145	145.00	125.00	14.00	15.50	135.00
CNV	146.05	127.00	12.70	DI500	146.05	127.00	12.70	14.00	136.50
CNV	152.40	133.35	12.70	DI525	152.40	133.35	12.70	14.00	142.50
CNV	157.52	139.70	7.14	DI550	157.52	139.70	7.14	8.50	148.50
CNV	160.00	140.00	14.00	DIM140-160	160.00	140.00	14.00	15.50	150.00
CNV	165.10	146.05	12.70	DI575	165.10	146.05	12.70	14.00	155.50
CNV	171.45	152.40	9.52	DI600	171.45	152.40	9.52	11.00	161.50
CNV	177.80	158.80	12.70	DI625	177.80	158.80	12.70	14.00	168.00
CNV	180.00	160.00	14.00	DIM160-180	180.00	160.00	14.00	17.00	170.00
CNV	184.15	165.10	12.70	DI650	184.15	165.10	12.70	14.00	174.50
CNV	190.50	171.45	12.70	DI675	190.50	171.45	12.70	14.00	180.50
CNV	190.50	177.80	7.14	DI700	190.50	177.80	7.14	8.50	184.00
CNV	200.00	180.00	14.00	DIM180-200	200.00	180.00	14.00	17.00	190.00
CNV	203.20	184.15	9.52	DI725	203.20	184.15	9.52	11.00	193.50
CNV	209.55	190.50	12.70	DI750	209.55	190.50	12.70	14.00	200.00
CNV	215.90	196.90	12.70	DI775	215.90	196.90	12.70	14.00	206.00
CNV	222.30	203.20	12.70	DI800	222.30	203.20	12.70	14.00	212.50
CNV	228.60	209.55	12.70	DI825	228.60	209.55	12.70	14.00	219.00
CNV	235.00	215.90	12.70	DI850	235.00	215.90	12.70	14.00	225.50
CNV	241.30	222.30	9.52	DI875	241.30	222.30	9.52	11.00	231.50
CNV	247.70	228.60	12.70	DI900	247.70	228.60	12.70	14.00	238.00