

Description

The 148 v-packing set is comprised of rubber v-rings reinforced with pre-shrunk fabric and with a large preload. A multiple-lip design provides a robust seal with zero leakage. The male adapter is energized, while the high-strength Aramid-reinforced female adapter acts as an anti-extrusion ring.

Product Benefits

- *Optimal sealing force*
- *Extremely durable*
- *Female adapter prevents extrusion*
- *Can be supplied split for ease of installation*

Material

In addition to the standard rubber and fabric- and Aramid-reinforced rubber compounds, the 148 v-packing set is available with additional Aramid reinforcement and extremely chemical resistant.

Material	Code
NBR/Fabric	N50
HNBR / Fabric	N39

Operating Parameters

Temperature	°C	°F
hydraulic oil	-30...+100	-22...+212
water oil emulsions (HFA)	+5...+60	+41...+140
water-glycol fluids (HFC)	-30...+60	-22...+140
water	+5...+100	+41...+212

Speed	0.5 m/s (1.6 ft/sec)
Pressure	630 bar (9000 psi)

Note: for other materials or fluids please contact our engineering department

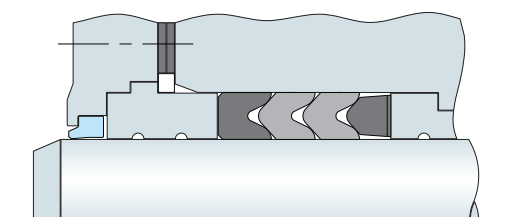
Applications

The 148 v-packing set is designed for extreme reciprocating applications, often in heavy-duty press equipment.

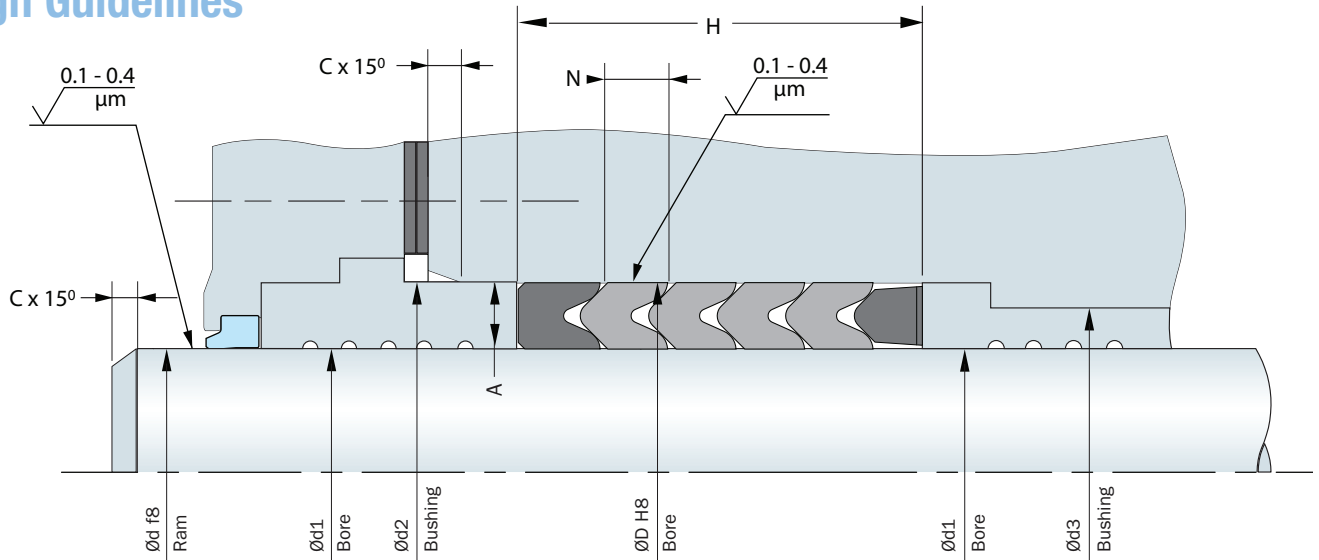
Typical applications include:

- Forging presses
- Extrusion presses

Installation Drawing



Design Guidelines



Metric Series

	d	B	1+2+1		1+3+1		1+4+1		+N
			H min	H max	H min	H max	H min	H max	
Series 1	<150 mm	12.50	65.00	85.00	85.00	105.00	105.00	125.00	+20.00
Series 2	100 - 400 mm	15.00	80.00	100.00	100.00	125.00	125.00	150.00	+25.00
Series 3	100 - 2200 mm	19.00	90.00	125.00	125.00	155.00	155.00	185.00	+30.00
Series 4	100 - 2200 mm	20.00	90.00	125.00	125.00	155.00	155.00	185.00	+30.00
Series 5	100 - 2200 mm	22.20	115.00	150.00	150.00	190.00	190.00	230.00	+40.00
Series 6	400 - 2700 mm	25.00	125.00	165.00	165.00	205.00	205.00	245.00	+40.00
Series 7	800 - 3000 mm	27.00	125.00	165.00	165.00	210.00	210.00	250.00	+43.00
Series 8	800 - 3000 mm	28.60	125.00	165.00	165.00	210.00	210.00	250.00	+43.00
Series 9	800 - 3000 mm	30.00	130.00	175.00	175.00	220.00	220.00	265.00	+45.00

Inch Series

	d	B	1+2+1		1+3+1		1+4+1		+N
			H min	H max	H min	H max	H min	H max	
Series 1	<5.906 inches	0.492	2.559	3.346	3.346	4.134	4.134	4.921	+0.787
Series 2	3.937 - 15.748 inches	0.591	3.150	3.937	3.937	4.921	4.921	5.906	+0.984
Series 3	3.937 - 86.614 inches	0.748	3.543	4.921	4.921	6.102	6.102	7.283	+1.181
Series 4	3.937 - 86.614 inches	0.787	3.543	4.921	4.921	6.102	6.102	7.283	+1.181
Series 5	3.937 - 86.614 inches	0.874	4.528	5.906	5.906	7.480	7.480	9.055	+1.575
Series 6	15.748 - 106.299 inches	0.984	4.921	6.496	6.496	8.071	8.071	9.646	+1.575
Series 7	31.496 - 118.110 inches	1.063	4.921	6.496	6.496	8.268	8.268	9.843	+1.693
Series 8	31.496 - 118.110 inches	1.126	4.921	6.496	6.496	8.268	8.268	9.843	+1.693
Series 9	31.496 - 118.110 inches	1.181	5.118	6.890	6.890	8.661	8.661	10.433	+1.772

Surface Finish

Surface roughness	Ra	Rt	RMS
Sliding surface	≤0.4 µm	≤3 µm	6-12 RMS
Surface of groove I.D.	≤1.8 µm	≤10 µm	64 RMS
Sides of groove	≤3 µm	≤16 µm	64 RMS