

Chevron set type DVSZ

Type DVSZ is a three piece single acting sealing set which consists of one reinforced cotton fabric backup ring , one elastomeric nitrile rubber middle ring , and one thermoplastic header ring.



Characteristics

Type: DVSZ

Principle of operation: Single acting

Max. operating pressure: 400 bar

Maximum speed: 0.5 m/s

Application

- Used especially in hard working conditions such as iron and steel industry , mining equipment , marine hydraulics , scrap cutters and special cylinders where the actual conditions are difficult to predict.

Technical Information

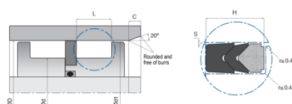
- Functions even with poor surfaces
- Easy installation
- Adjustable seal housing height due to the reason of being used in open grooves.

Operating Principle

- Suitable for open piston housing. When strongly squeezed , the flexibility of the sealing set may be substantially reduced. This could cause by excessive friction force , high wear and vibrated operating under low pressures. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation all individual parts of the seal must be oiled with system oil.

Options

- For special applications that require high temperatures , our seal set is being manufactured with reinforced cotton fabric with FKM and special mixture of PTFE backup ring. Additional middle rings can be used depending on the application.



OPERATING CONDITIONS			
MEDIA	Mineral oils (DIN 51524)	HFA and HFB	HFC
TEMPERATURE	from -30°C till +105°C	from +5°C till +60°C	from -30°C till +60°C
PRESSURE	max. 400 Bar	max. 400 Bar	max. 400 Bar
SPEED	max. 0.5 m/s	max. 0.5 m/s	max. 0.5 m/s
Note: The above data are maximum values and cannot be used at the same time.			

SURFACE ROUGHNESS	Ra	Rmax
Sliding Surface	max. 0.4 µm	3.2 µm
Groove Base	max. 1.6 µm	6.3 µm
Groove Flanks	max. 3.2 µm	16 µm
Note: It is recommended to have 50% to 90% of the working surface material contact area value		

Bore diameter	Groove diameter	Groove width	Seal height	Material seal	Temperature range	Article
mm	mm	mm	mm		°C	
20	10	9.3	8.9	NBR/fabric	-30 / 100	14193716
22	12	9.3	8.9	NBR/fabric	-30 / 100	14193717
25	15	9.3	8.9	NBR/fabric	-30 / 100	14193718
28	18	9.3	8.9	NBR/fabric	-30 / 100	14193719
30	20	9.3	8.9	NBR/fabric	-30 / 100	14193720
32	20	10.9	10.4	NBR/fabric	-30 / 100	14193721

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

Bore diameter	Groove diameter	Groove width	Seal height	Material seal	Temperature range	Article
mm	mm	mm	mm		°C	
35	23	10.9	10.4	NBR/fabric	-30 / 100	10019533
36	24	10.9	10.4	NBR/fabric	-30 / 100	10019534
40	25	11.5	11	NBR/fabric	-30 / 100	10019535
42	27	11.5	11	NBR/fabric	-30 / 100	14193722
45	30	11.5	11	NBR/fabric	-30 / 100	14193723
50	35	11.5	11	NBR/fabric	-30 / 100	10019537
55	40	11.5	11	NBR/fabric	-30 / 100	10019538
56	41	11.5	11	NBR/fabric	-30 / 100	14193724
60	45	11.5	11	NBR/fabric	-30 / 100	14193725
63	48	13	12.5	NBR/fabric	-30 / 100	12225698
70	50	15.2	14.6	NBR/fabric	-30 / 100	14193726
80	60	15.2	14.6	NBR/fabric	-30 / 100	12961527
90	70	21.2	20.6	NBR/fabric	-30 / 100	14193727
100	80	21.2	20.6	NBR/fabric	-30 / 100	10019545
110	90	21.2	20.6	NBR/fabric	-30 / 100	10019546
115	95	21.2	20.6	NBR/fabric	-30 / 100	14193728
125	100	25.8	25	NBR/fabric	-30 / 100	10019547
140	115	25.8	25	NBR/fabric	-30 / 100	14199452
150	120	29	28	NBR/fabric	-30 / 100	14193729
160	130	29	28	NBR/fabric	-30 / 100	10019550
180	150	31.5	30.5	NBR/fabric	-30 / 100	13027129
200	170	33.5	32.5	NBR/fabric	-30 / 100	13202703
250	220	33.5	32.5	NBR/fabric	-30 / 100	10019555
275	245	33.5	32.5	NBR/fabric	-30 / 100	14193730
280	250	33.5	32.5	NBR/fabric	-30 / 100	14193731
300	270	33.5	32.5	NBR/fabric	-30 / 100	12490031

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.