

Complete piston type T-2

Characteristics

Type: T-2

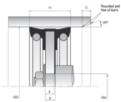
Principle of operation: Double acting

Max. operating pressure: 60 bar

Maximum speed: 0.5 m/s

Application

- Construction machinery , fork-lift trucks , injection moulding machines , agricultural machinery , cranes and standard cylinders.



Technical Information

- Superior sealing performance
- Economic sealing and guiding solution
- Simple groove design , one-piece piston possible
- Long service life
- Simple snap installation

Operating Principle

- Easily assembled into one-piece piston because the back-up rings and guide rings are been produced in split forms. It is very important that the assembly tools must be of soft material and have no sharp edges. Before installation the sealing element must be oiled with system oil.

Options

- For special applications that require high temperatures , piston seal is manufactured in FKM and PTFE material.

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	max. 4.0 µm
Groove Base	max. 1.6 µm	max. 6.3 µm
Groove Flanks	max. 3.2 µm	max. 16 µm
Note: It is recommended to have 50% to 90% of the working surface material contact area value.		

Bore diameter mm	Groove diameter mm	Seal height mm	Material seal	Temperature range °C	Article
25	8	22	NBR	-30 / 105	14408539
26	8	22	NBR	-30 / 105	14408540
30	8	22	NBR	-30 / 105	14408541
32	8	25	NBR	-30 / 105	14408542
35	8	18	NBR	-30 / 105	14408543
35	8	26	NBR	-30 / 105	12961725
38	8	25	NBR	-30 / 105	14408544
40	10	25	NBR	-30 / 105	14408547
40	10	25	NBR	-30 / 105	14408545
40	14	23	NBR	-30 / 105	14408546
45	10	25	NBR	-30 / 105	14408548
46	10	25	NBR	-30 / 105	14408549
50	10	25	NBR	-30 / 105	14408550

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 mm	Groove diameter mm	Seal height mm	Material seal	Temperature range °C	Article
50	16	23	NBR	-30 / 105	14408551
55	10	25	NBR	-30 / 105	13654156
60	12	26	NBR	-30 / 105	14408552
60	12	27	NBR	-30 / 105	12959620
60	21	26	NBR	-30 / 105	14408553
62	41	30	NBR	-30 / 105	14408554
63	12	25	NBR	-30 / 105	14408555
65	12	25	NBR	-30 / 105	14408556
70	12	30	NBR	-30 / 105	14408557
75	12	30	NBR	-30 / 105	14408558
80	12	30	NBR	-30 / 105	13000097
85	12	35	NBR	-30 / 105	14408560
85	12	35	NBR	-30 / 105	14408559
90	12	35	NBR	-30 / 105	14156806
95	12	35	NBR	-30 / 105	14408561
100	12	35	NBR	-30 / 105	14408562
110	12	40	NBR	-30 / 105	14408563
115	20	30	NBR	-30 / 105	14408564
120	20	40	NBR	-30 / 105	14408565
125	20	40	NBR	-30 / 105	14408566
125	30	40	NBR	-30 / 105	14408567
125	30	50	NBR	-30 / 105	14408568
130	20	40	NBR	-30 / 105	14408569
140	20	40	NBR	-30 / 105	14408570
145	20	45	NBR	-30 / 105	14408571
145	41	45	NBR	-30 / 105	14408572
150	20	40	NBR	-30 / 105	12155808
160	20	40	NBR	-30 / 105	14408573
175	20	40	NBR	-30 / 105	14408574
180	20	40	NBR	-30 / 105	14408575
200	20	40	NBR	-30 / 105	14408576
200	20.2	40	NBR	-30 / 105	14408577
230	30	40	NBR	-30 / 105	14408578
250	30	40	NBR	-30 / 105	12961724
300	60	40	NBR	-30 / 105	14408579

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.