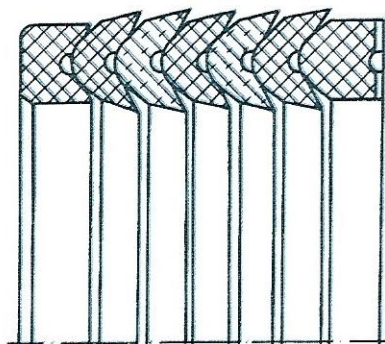


ROD SEALING SET TYPES 0395 and 0396

Rod sealing set is a multi-piece detachable set consisting of rubber rod seals, fabric reinforced rubber seals, an appropriate back-up ring and a header ring. Rubber seals provide for elasticity, and fabric reinforced seals form a

lubrication film, so that sealing sets are able to provide efficient sealing under widely varying pressures, to be applied under severe operating conditions and a long operating life.

Sealing sets types 0395 and 0396



They are used for sealing piston rods in hydraulic cylinders. They consist of two rubber seals (NBR, 85° ShA hardness), three fabric reinforced seals, one header ring and one back-up ring.

Sealing set 0396 consists of the same types of elements as 0395 does, but larger cross-section, which allows application under higher operating pressures.

Operating conditions of sealing sets 0395 and 0396

	0395	0396
Permissible pressure	20 MPa	32 MPa
Temperature range	-30 up to +100°C	
Medium	Hydraulic oil, type H, HL, HLP emulsion oil-water HSA emulsion water-oil HSB	
Linear velocity	0,5 m/sec	

ASSEMBLY

Sealing sets types 0395 and 0396 can be installed in adjustable (Fig. 6a) and non-adjustable (Fig. 6b) housings.

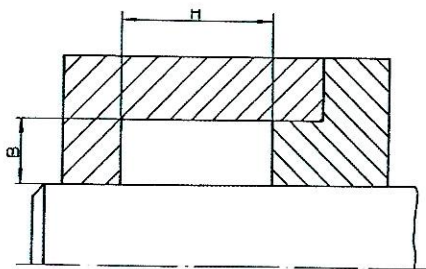


Fig. 6a

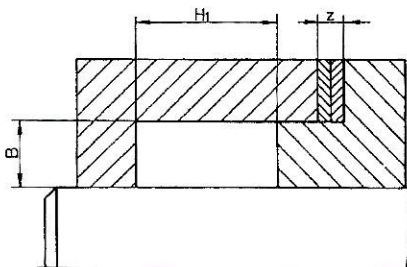


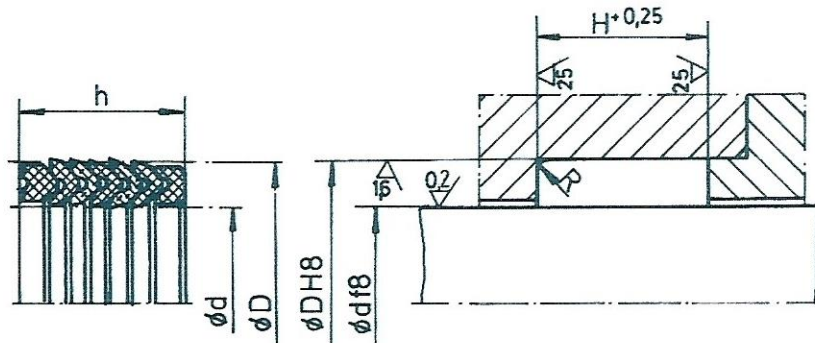
Fig. 6b

The housing is to be cleansed immediately prior to installation, and the sealing set lubricated with an appropriate grease, and then installed. The header ring is to be installed first, then seals of the set individually according to their sequence within the set. The back-up ring is to be installed last. It is necessary to check periodically if the seals are installed properly.

With adjustable housings, the following table defines the ratio between the housing height H_1 and clearance Z . The clearance Z is used for correction of H_1 , depending on actually measured height h of the set. The clearance can be compensated by inserting shims.

Profile B width	5	6	7,5	10	12,5	15
Z	2	2,5	2,5	3	4	5
H_1	H+1		H+1,2		H+1,4	

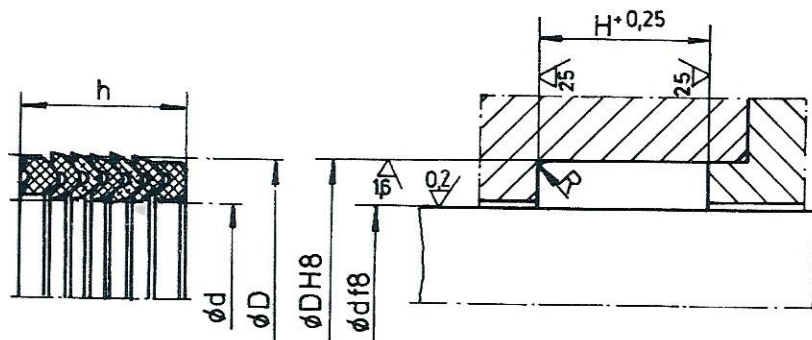
LIST OF DIMENSIONS AND INSTALLATION POINTS OF SEALING SET 0395



Nominal size	Ød	ØD	h	H	R _{max}
8	8	18	18,5	18,5	0,3
10	10	20	18,5	18,5	0,3
12	12	22	18,5	18,5	0,3
14	14	24	18,5	18,5	0,3
15	15	25	18,5	18,5	0,3
16	16	26	18,5	18,5	0,3
18	18	28	18,5	18,5	0,3
20	20	30	18,5	18,5	0,3
22	22	32	18,5	18,5	0,3
25	25	37	22,5	22,5	0,3
28	28	40	22,5	22,5	0,3
30	30	42	22,5	22,5	0,3
32	32	44	22,5	22,5	0,3
35	35	47	22,5	22,5	0,3
36	36	48	22,5	22,5	0,3
40	40	52	22,5	22,5	0,3
42	42	54	22,5	22,5	0,3
45	45	60	22,5	22,5	0,4
50	50	65	22,5	22,5	0,4
55	55	70	22,5	22,5	0,4
56	56	71	22,5	22,5	0,4
60	60	75	22,5	22,5	0,4
63	63	78	22,5	22,5	0,4
65	65	80	22,5	22,5	0,4
70	70	85	22,5	22,5	0,4
75	75	90	22,5	22,5	0,4
80	80	95	22,5	22,5	0,4
85	85	100	22,5	22,5	0,4
90	90	105	22,5	22,5	0,4
100	100	115	30	30	0,4
110	110	125	30	30	0,4
115	115	130	30	30	0,4
125	125	140	34	34	0,4
150	150	170	40	40	0,6
160	160	180	40	40	0,6
180	180	200	40	40	0,6
200	200	220	40	40	0,6

Order example: piston rod Ø100: U-packing 0395 100

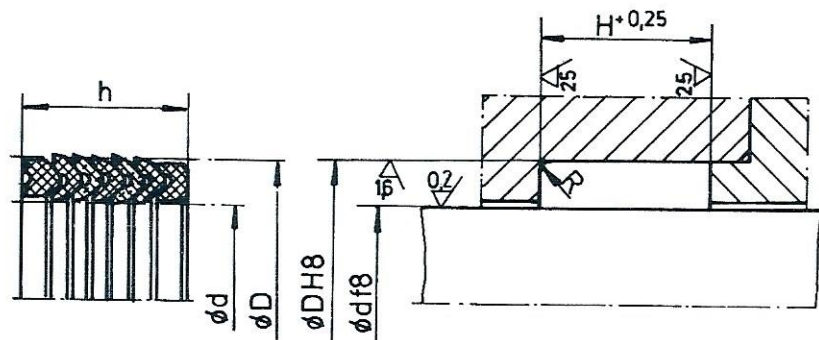
LIST OF DIMENSIONS AND INSTALLATION POINTS OF SEALING SET 0396



Nominal size	Ød	ØD	h	H	R _{max}
20	20	32	22,5	22,5	0,3
22	22	34	22,5	22,5	0,3
25	25	40	22,5	22,5	0,4
28	28	43	22,5	22,5	0,4
30	30	45	22,5	22,5	0,4
32	32	47	22,5	22,5	0,4
35	35	50	22,5	22,5	0,4
36	36	51	22,5	22,5	0,4
40	40	55	22,5	22,5	0,4
42	42	57	22,5	22,5	0,4
45	45	65	27,5	27,5	0,6
50	50	70	30	30	0,6
55	55	75	30	30	0,6
56	56	76	37	37	0,6
60	60	80	37	37	0,6
63	63	83	37	37	0,6
65	65	85	40	40	0,6
70	70	90	40	40	0,6
75	75	95	40	40	0,6
80	80	100	40	40	0,6
85	85	105	40	40	0,6
90	90	110	40	40	0,6
100	100	120	40	40	0,6
110	110	130	40	40	0,6
115	115	140	46	46	0,8
125	125	150	46	46	0,8
140	140	165	46	46	0,8
150	150	180	60	60	0,8
160	160	190	60	60	0,8
180	180	210	60	60	0,8
200	200	230	60	60	0,8

Ordering example: piston rod 0396 100

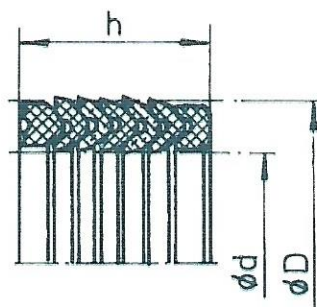
LIST OF DIMENSIONS AND INSTALLATION POINTS OF SEALING SET 0396



Nominal size	Ød	ØD	h	H	R _{max}
20	20	32	22,5	22,5	0,3
22	22	34	22,5	22,5	0,3
25	25	40	22,5	22,5	0,4
28	28	43	22,5	22,5	0,4
30	30	45	22,5	22,5	0,4
32	32	47	22,5	22,5	0,4
35	35	50	22,5	22,5	0,4
36	36	51	22,5	22,5	0,4
40	40	55	22,5	22,5	0,4
42	42	57	22,5	22,5	0,4
45	45	65	27,5	27,5	0,6
50	50	70	30	30	0,6
55	55	75	30	30	0,6
56	56	76	37	37	0,6
60	60	80	37	37	0,6
63	63	83	37	37	0,6
65	65	85	40	40	0,6
70	70	90	40	40	0,6
75	75	95	40	40	0,6
80	80	100	40	40	0,6
85	85	105	40	40	0,6
90	90	110	40	40	0,6
100	100	120	40	40	0,6
110	110	130	40	40	0,6
115	115	140	46	46	0,8
125	125	150	46	46	0,8
140	140	165	46	46	0,8
150	150	180	60	60	0,8
160	160	190	60	60	0,8
180	180	210	60	60	0,8
200	200	230	60	60	0,8

Ordering example: piston rod 0396 100

MEASURES OF NON-STANDARD SEALING SET 0396



Ød	ØD	h	PPT reference number
115	145	60	5861356
130	155	47,1	8206310
175	205	32,5	6812689
175	207	44,4	8206443
200	230	43,5	8206690
210	235	28,2	8205767
230	260	32,5	6812606
250	280	25,3	6816284
250	280	52,5	8201642
252	300	60	6812721
280	310	56,6	8206369
297	329	48	6812929
320	360	78	8354789
340	380	60	6812887
380	410	42,5	8206401
400	430	37,5	8205809
418	448	51,5	8205841
430	460	37,5	8354862
450	490	80	6813919
510	560	99,1	8206617
550	590	80	8350118
660	700	90,1	8206658
670	720	50	8350159
670	720	62,5	8350167
750	790	80	8354821
800	850	96,1	8206575
850	900	45	8354730
850	900	57,5	835748

Ordering example: Seal set 0396 800 × 850 × 96,1