K68
Rod Guide Ring



K68 rod guide rings are guiding elements designed for hydraulic cylinder rod applications. They are manufactured from glass fiber-reinforced thermoplastic material to provide enhanced load-carrying capacity.

Advantages
- High abrasion resistance
- Large dimension range
- Economical solution

Application
- Construction machinery
- Cranes
- Injection moulding machines
- Agricultural machinery
- Light and medium duty cylinders

Operating Conditions

MEDIA TYPE	Mineral oils (DIN 51524)	HFA ve HFB	HFC
TEMPERATURE (°C):	-40/+110 °C	+5/+60 °C	-30/+60 °C
DYNAMIC CONTACT PRESSURE (N/mm²)	≤40 N/mm²		
STATIC CONTACT PRESSURE (N/mm²)	≤100 N/mm²		
SPEED (m/s):	≤1.0 m/s		

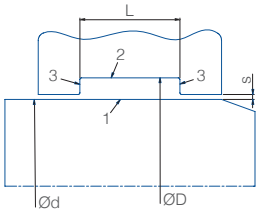
NOTE: The above values (speed, pressure, temperature) are maximum values, all cannot be used at the same time.

Material Information

Thermoplastic-PM9902	Standard produced material code

Note: In the special application conditions (temperature, media, etc.) Can be produced from different materials. You can refer to Table 2.7 for details or you can contact our sales department.

Surface Roughness



	1 (rod)	2 (groove base)	3 (groove flanks)
Ra	*** µm	≤2.5 µm	≤3.2 µm
Rmax	*** µm	≤10 µm	≤16 µm

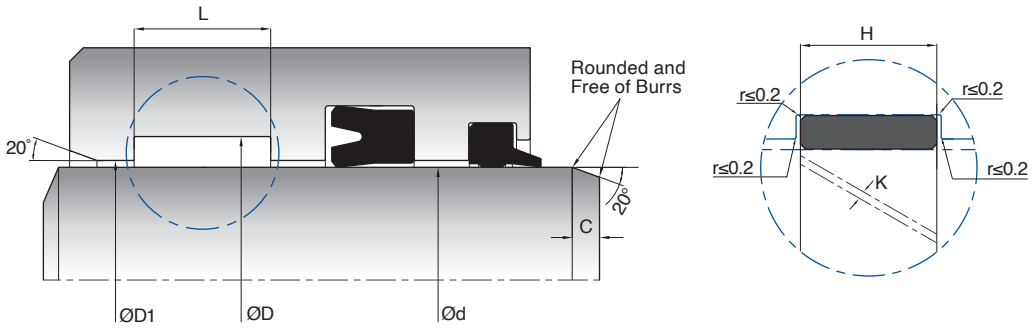
Ra, Rmax values shown as *** µm should be in accordance with the used main sealing element.

Installation Information

It is recommended to use open grooves for guide rings with an inner diameter of less than 30 mm. Before installation to the rod, make sure that the bearing is seated correctly in its groove. Sealing elements should be oiled with system oil prior to the install

NOTE: When designing cylinders, it is recommended that K68 bearings be placed in contact with the fluid, in a way that does not cause dry running. Load bearing capability decreases at increasing temperatures. In order to prevent hydrodynamic pressure, there is a «K» gap on the product.

K68 Rod Guide Ring



KASTAŞ NO	d (f8)	D (H8)	D1 (H9)	L (+0.2/-0)	H	KASTAŞ CODE
K68-008	8	11	8.4	3.3	3.1	10022438
K68-015	15	20	15.5	5.7	5.5	10022441
K68-016	16	20	16.4	9.6	9.4	10022442
K68-016/1	16	19	16.4	6	5.8	10022443
K68-018	18	22	18.4	9.6	9.4	10022448
K68-020	20	24	20.4	9.6	9.4	10022451
K68-020/1	20	26	20.6	4	3.8	10022453
K68-020/2	20	26	20.6	9.7	9.5	10022454
K68-020/3	20	25	20.5	5.6	5.4	10022455
K68-020/6	20	23	20.4	5.6	5.4	10022458
K68-022	22	26	22.4	9.6	9.4	10022460
K68-022/1	22	25	22.4	4.2	4	10022461
K68-025	25	31	25.6	9.6	9.4	10022466
K68-025/1	25	29	25.4	9.6	9.4	10022467
K68-025/2	25	30	25.5	5.6	5.4	10022469
K68-025/3	25	31	25.6	9.9	9.7	10022470
K68-025/4	25	29	25.4	6.4	6.2	10022471
K68-026	26	32	26.6	10	9.8	10022477
K68-027	27	32	27.5	5.6	5.4	10022478
K68-028	28	32	28.4	9.7	9.5	10022480
K68-028/3	28	33	28.5	5.7	5.5	10022483
K68-028/4	28	34	28.6	9.7	9.5	10022484
K68-028/5	28	33	28.5	9.7	9.5	10022485
K68-028/6	28	32	28.4	6.4	6.2	10022486
K68-028/7	28	32	28.4	10.2	10	10022487
K68-030	30	35	30.5	15.2	15	10022489
K68-030/1	30	34	30.4	9.7	9.5	10022490
K68-030/2	30	36	30.6	9.5	9.3	10022491
K68-030/3	30	35	30.5	9.7	9.5	10022493
K68-030/5	30	35	30.5	5.6	5.4	10022496
K68-032	32	36	32.4	9.7	9.5	10022501
K68-032/1	32	38	32.6	9.6	9.4	10022502
K68-032/3	32	37	32.5	5.6	5.4	10022504
K68-032/5	32	36	32.4	6.4	6.2	10022506
K68-035	35	40	35.5	15.2	15	10022509
K68-035/1	35	39	35.4	9.7	9.5	10022510
K68-035/2	35	40	35.5	9.9	9.7	10022512
K68-035/3	35	41	35.6	9.6	9.4	10022513
K68-035/4	35	40	35.5	5.6	5.4	10022514
K68-035/5	35	40	35.5	6.3	6.1	10022515
K68-035/6	35	40	35.5	9.7	9.5	10022516
K68-035/7	35	41	35.6	20	19.8	10022518
K68-035/8	35	39	35.4	6.5	6.3	10022519
K68-036	36	40	36.4	9.7	9.5	10022521

KASTAŞ NO	d (f8)	D (H8)	D1 (H9)	L (+0.2/-0)	H	KASTAŞ CODE
K68-036/1	36	42	36.6	9.8	9.6	10022522
K68-036/2	36	41	36.5	9.7	9.5	10022523
K68-036/3	36	41	36.5	5.6	5.4	10022524
K68-036/7	36	40	36.4	15.2	15	10022528
K68-038	38	42	38.4	9.6	9.4	10022530
K68-038/2	38	42	38.4	4.2	4	10022533
K68-040	40	45	40.5	15.2	15	10022536
K68-040/1	40	44	40.4	9.7	9.5	10022537
K68-040/2	40	46	40.6	9.8	9.6	10022541
K68-040/3	40	45	40.5	9.7	9.5	10022542
K68-040/4	40	45	40.5	20.2	20	10022543
K68-040/6	40	45	40.5	5.6	5.4	10022545
K68-040/7	40	46	40.6	13	12.8	10022546
K68-040/8	40	44	40.4	6.5	6.3	10022547
K68-040/9	40	45	40.5	9.8	9.6	10022548
K68-040/10	40	46	40.6	9.7	9.5	10022538
K68-040/11	40	45	40.5	9.9	9.7	10022539
K68-040/12	40	45	40.5	8.2	8	10022540
K68-044.45	44.45	50.8	45.05	19.25	19.05	10022551
K68-045	45	50	45.5	15.2	15	10022553
K68-045/1	45	51	45.6	9.7	9.5	10022554
K68-045/2	45	50	45.5	9.7	9.5	10022556
K68-045/3	45	51	45.6	12.7	12.5	10022557
K68-045/4	45	49	45.4	20	19.8	10022559
K68-045/5	45	50	45.5	5.6	5.4	10022560
K68-045/6	45	50	45.5	9.9	9.7	10022561
K68-045/10	45	50	45.5	8.2	8	10022555
K68-046	46	50	46.4	15.2	15	10022565
K68-048	48	54	48.6	9.8	9.6	10022568
K68-048/1	48	53	48.5	9.6	9.4	10022569
K68-050	50	55	50.5	15.2	15	10022571
K68-050/1	50	56	50.6	9.7	9.5	10022575
K68-050/2	50	56	50.6	12.7	12.5	10022579
K68-050/3	50	55	50.5	8.2	8	10022580
K68-050/4	50	55	50.5	20.2	20	10022581
K68-050/5	50	55	50.5	9.7	9.5	10022582
K68-050/6	50	55	50.5	5.6	5.4	10022583
K68-050/8	50	55	50.5	9.9	9.7	10022584
K68-050/12	50	56	50.6	8.2	8	10022578
K68-050.8	50.8	57.15	51.4	19.25	19.05	10022572
K68-050.8/1	50.8	53.98	51.2	25.6	25.4	10022573
K68-050.8/2	50.8	57.15	51.4	12.8	12.6	10022574
K68-055	55	60	55.5	15.2	15	10022587
K68-055/1	55	61	55.6	9.7	9.5	10022588
K68-055/2	55	60	55.5	8.2	8	10022589
K68-055/3	55	60	55.5	20.2	20	10022590
K68-055/4	55	61	55.6	12.7	12.5	10022591
K68-055/5	55	60	55.5	9.7	9.5	10022592
K68-055/6	55	60	55.5	5.6	5.4	10022593
K68-055/7	55	60	55.5	5.8	5.6	10022594
K68-055/8	55	60	55.5	9.9	9.7	10022595
K68-056	56	62	56.6	12.7	12.5	10022596
K68-056/1	56	60	56.4	9.8	9.6	10022597
K68-056/2	56	61	56.5	9.7	9.5	10022598
K68-056/4	56	62	56.6	20.2	20	10022600
K68-056/6	56	61	56.5	9.9	9.7	10022601

KASTAŞ NO	d (f8)	D (H8)	D1 (H9)	L (+0.2/-0)	H	KASTAŞ CODE
K68-058	58	63	58.5	9.7	9.5	10022604
K68-058/1	58	63	58.5	5.6	5.4	10022605
K68-058/2	58	63	58.5	10	9.8	10022606
K68-058/3	58	63	58.5	15.2	15	10022607
K68-060	60	65	60.5	15.2	15	10022610
K68-060/1	60	66	60.6	12.7	12.5	10022611
K68-060/2	60	65	60.5	9.7	9.5	10022619
K68-060/3	60	65	60.5	20.2	20	10022620
K68-060/4	60	65	60.5	8.2	8	10022622
K68-060/6	60	65	60.5	5.5	5.3	10022624
K68-060/8	60	64	60.4	10.2	10	10022626
K68-060/10	60	65	60.5	9.5	9.3	10022612
K68-060/11	60	65	60.5	9.9	9.7	10022613
K68-060/12	60	65	60.5	24.7	24.5	10022614
K68-060/15	60	66	60.6	20.2	20	10022617
K68-060/16	60	66	60.6	8.2	8	10022618
K68-063	63	69	63.6	12.7	12.5	10022629
K68-063/1	63	68	63.5	9.7	9.5	10022631
K68-063/2	63	67	63.4	6.5	6.3	10022632
K68-063/4	63	69	63.6	30.2	30	10022633
K68-063/5	63	68	63.5	30.2	30	10022634
K68-063.5	63.4	66.68	63.8	25.2	25	10022630
K68-065	65	70	65.5	15.2	15	10022636
K68-065/1	65	71	65.6	12.7	12.5	10022638
K68-065/2	65	70	65.5	5.6	5.4	10022639
K68-065/3	65	70	65.5	7	6.8	10022640
K68-065/4	65	70	65.5	9.9	9.7	10022641
K68-065/5	65	70	65.5	9.7	9.5	10022642
K68-066	66	70	66.4	10	9.8	10022643
K68-067	67	72	67.5	5.6	5.4	10022644
K68-069.85	69.85	76.2	70.45	19.25	19.05	10022645
K68-070	70	75	70.5	15.2	15	10022646
K68-070/1	70	76	70.6	12.7	12.5	10022647
K68-070/2	70	75	70.5	5.6	5.4	10022653
K68-070/3	70	76	70.6	25.2	25	10022654
K68-070/4	70	76	70.6	10.2	10	10022655
K68-070/5	70	75	70.5	9.7	9.5	10022656
K68-070/7	70	75	70.5	30.2	30	10022658
K68-070/8	70	75	70.5	9.9	9.7	10022659
K68-070/12	70	75	70.5	20.2	20	10022650
K68-075	75	80	75.5	15.2	15	10022667
K68-075/1	75	81	75.6	12.7	12.5	10022668
K68-075/2	75	80	75.5	8.2	8	10022669
K68-075/3	75	80	75.5	9.7	9.5	10022670
K68-075/4	75	80	75.5	5.6	5.4	10022671
K68-075/8	75	80	75.5	9.9	9.7	10022675
K68-080	80	85	80.5	15.2	15	10022679
K68-080/1	80	86	80.6	12.7	12.5	10022680
K68-080/2	80	84	80.4	9.5	9.3	10022684
K68-080/3	80	85	80.5	9.7	9.5	10022685
K68-080/4	80	86	80.6	25	24.8	10022686
K68-080/5	80	85	80.5	20	19.8	10022687
K68-080/6	80	84	80.4	8.3	8.1	10022688
K68-080/7	80	86	80.6	30.2	30	10022689
K68-080/8	80	85	80.5	9.9	9.7	10022690
K68-080/9	80	85	80.5	5.6	5.4	10022691

KASTAŞ NO	d (f8)	D (H8)	D1 (H9)	L (+0.2/-0)	H	KASTAŞ CODE
K68-085	85	90	85.5	15.2	15	10022694
K68-085/1	85	91	85.6	12.7	12.5	10022695
K68-085/2	85	90	85.5	5.7	5.5	10022696
K68-085/3	85	90	85.5	9.9	9.7	10022697
K68-085/4	85	90	85.5	9.7	9.5	10022698
K68-090	90	95	90.5	15.2	15	10022702
K68-090/1	90	96	90.6	12.7	12.5	10022704
K68-090/2	90	95	90.5	9.7	9.5	10022705
K68-090/3	90	95	90.5	5.8	5.6	10022706
K68-090/4	90	94	90.4	15.2	15	10022707
K68-090/7	90	96	90.6	30.2	30	10022710
K68-090/8	90	95	90.5	9.9	9.7	10022711
K68-094	94	100	94.6	13	12.8	10022715
K68-095	95	100	95.5	15.2	15	10022717
K68-095/1	95	101	95.6	12.7	12.5	10022718
K68-095/2	95	100	95.5	9.7	9.5	10022719
K68-095/3	95	100	95.5	5.6	5.4	10022720
K68-100	100	105	100.5	15.2	15	10022723
K68-100/1	100	106	100.6	12.7	12.5	10022724
K68-100/2	100	104	100.4	15.2	15	10022725
K68-100/3	100	105	100.5	9.9	9.7	10022726
K68-100/5	100	105	100.5	15	14.8	10022728
K68-100/6	100	105	100.5	9.7	9.5	10022729
K68-104	104	110	104.6	10.2	10	10022731
K68-105	105	110	105.5	15.2	15	10022734
K68-105/1	105	110	105.5	8.2	8	10022736
K68-105/2	105	110	105.5	9.7	9.5	10022737
K68-105/5	105	110	105.5	9.9	9.7	10022740
K68-110	110	116	110.6	12.7	12.5	10022742
K68-110/1	110	115	110.5	9.7	9.5	10022743
K68-110/2	110	115	110.5	20.2	20	10022744
K68-110/3	110	116	110.6	7.7	7.5	10022745
K68-110/5	110	116	110.6	25.6	25.4	10022747
K68-115	115	120	115.5	15.2	15	10022750
K68-115/1	115	121	115.6	12.7	12.5	10022751
K68-115/2	115	120	115.5	9.7	9.5	10022752
K68-120	120	125	120.5	15.2	15	10022756
K68-120/1	120	126	120.6	12.7	12.5	10022757
K68-120/2	120	125	120.5	9.7	9.5	10022758
K68-120/3	120	125	120.5	9.9	9.7	10022759
K68-125	125	131	125.6	12.7	12.5	10022760
K68-125/1	125	130	125.5	15.2	15	10022761
K68-125/3	125	130	125.5	9.9	9.7	10022763
K68-130	130	135	130.5	15.2	15	10022766
K68-130/1	130	136	130.6	12.7	12.5	10022767
K68-135	135	140	135.5	9.7	9.5	10022771
K68-135/1	135	140	135.5	15.2	15	10022772
K68-140	140	145	140.5	15.2	15	10022773
K68-140/1	140	146	140.6	12.7	12.5	10022774
K68-140/2	140	145	140.5	9.9	9.7	10022775
K68-146	146	150	146.4	10.2	10	10022778
K68-150	150	155	150.5	15.2	15	10022779
K68-150/1	150	156	150.6	12.7	12.5	10022780
K68-150/2	150	154	150.4	15.2	15	10022781
K68-150/5	150	155	150.5	25	24.8	10022784
K68-150/6	150	156	150.6	19.2	19	10022785

KASTAŞ NO	d (f8)	D (H8)	D1 (H9)	L (+0.2/-0)	H	KASTAŞ CODE
K68-155	155	160	155.5	15.2	15	10022787
K68-155/1	155	160	155.5	9.7	9.5	10022788
K68-160	160	165	160.5	15.2	15	10022789
K68-160/1	160	166	160.6	12.7	12.5	10022790
K68-160/2	160	166	160.6	19.1	18.9	10022791
K68-170	170	175	170.5	15.2	15	10022792
K68-175	175	180	175.5	9.7	9.5	10022793
K68-180	180	185	180.5	15.2	15	10022794
K68-180/1	180	186	180.6	19.2	19	10022795
K68-190	190	195	190.5	15.2	15	10022797
K68-195	195	200	195.5	15.2	15	10022798
K68-200	200	206	200.6	19.2	19	10022800
K68-200/1	200	205	200.5	15.2	15	10022801
K68-210	210	216	210.6	19.2	19	10022802
K68-220/1	220	225	220.5	25	24.8	10022806
K68-220	220	226	220.6	19.2	19	10022805
K68-300	300	306	300.6	19.2	19	10022807