

FRK 05

Description

Product group	Guide elements
Design	Piston guide ring
Profile no.	05
Model	45
Material	HG 00 0301

Operational application limits

Max. surface pressure (N/mm²): ≤350
 Temperature (°C): -50 to +130
 Running speed (m/s): ≤1

Media

Hydraulic oils acc. to DIN 51524
 Part 1 - 3, lubricating oils, mineral oil based lubricating greases, highly non-flammable hydraulic fluids HFA, HFB, HFC acc. to VDMA 24317

Function

FRK 05 guide elements made of hard fabric materials serve to guide pistons. They prevent metallic contact of the machine parts and absorb the transverse force that occurs. Hard fabric material guide rings are primarily used in mobile hydraulics and heavy hydraulics, as they are very well-suited for higher surface pressures. An increased sliding ability which results in an improvement of the stick-slip effect is achieved by inclusion of PTFE in the compound. Guide rings are easier to install than guide strips and are, therefore, recommended by us.

Installation

Turned hard fabric guide rings are slit and can be installed in closed installation grooves. There are three different cutting types: 45°, 90°, ST. 45° = for better press force distribution and to facilitate installation 90° = simple cut ST = for swivel movements The turned chamfers support the installation of the complete piston.

Remarks

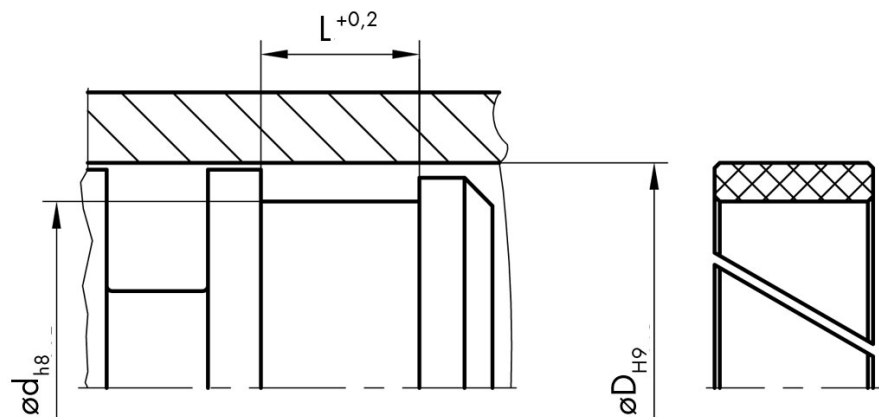
Standard guide rings are supplied with a 45° diagonal cut and in a compound of phenolic resin impregnated synthetic fibre fabric with PTFE inclusion. Guide rings made of hard fabric are chamfered on both sides so that they can be used in both piston and rod areas.

Order code

Please include our item numbers in your order. Should you require non-standard dimensions, materials or material combinations, please use the order code on page 12.

Any seal. Any time.

All the items in our standard programme (marked red) are standard stock items. For all other items, please check the availability at www.dichtomatik.de.



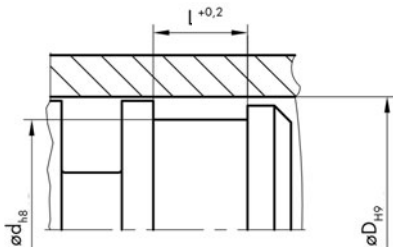
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Sizes

Item No.	Code	D	d	L	Item No.	Code	D	d	L
167965	FRK 05	18	13	5.6	168035	FRK 05	60	55	9.7
167966	FRK 05	18	14	9.7	168036	FRK 05	60	55	15
167967	FRK 05	20	15	5.6	168037	FRK 05	60	56	8
167968	FRK 05	20	16	9.7	168038	FRK 05	62	56	12.8
167969	FRK 05	20	15	9.7	168039	FRK 05	63	57	12.8
167970	FRK 05	22	17	5.6	168040	FRK 05	63	58	5.6
167989	FRK 05	22	18	9.7	168041	FRK 05	63	58	9.7
167990	FRK 05	25	20	5.6	168042	FRK 05	63	58	15
167991	FRK 05	25	20	9.7	168043	FRK 05	63	58	20
167992	FRK 05	25	21	9.7	168044	FRK 05	63	58	25
167993	FRK 05	28	23	5.6	168045	FRK 05	65	59	12.8
167994	FRK 05	28	24	9.7	166941	FRK 05	65	60	5.6
167995	FRK 05	30	25	5.6	168046	FRK 05	65	60	9.7
167996	FRK 05	30	25	9.7	168047	FRK 05	65	60	15
167997	FRK 05	30	26	9.7	168048	FRK 05	68	63	5.6
167998	FRK 05	32	27	5.6	168049	FRK 05	68	63	9.7
167999	FRK 05	32	27	9.7	168050	FRK 05	68	62	12.8
168000	FRK 05	32	28	5.6	168051	FRK 05	70	64	12.8
168001	FRK 05	32	28	9.7	168052	FRK 05	70	65	5.6
168002	FRK 05	35	30	5.6	165995	FRK 05	70	65	9.7
168003	FRK 05	35	30	9.7	168053	FRK 05	70	65	15
168004	FRK 05	35	31	9.7	168054	FRK 05	75	69	12.8
168005	FRK 05	36	32	9.7	168056	FRK 05	75	70	5.6
168006	FRK 05	38	33	9.7	168057	FRK 05	75	70	9.7
168007	FRK 05	38	34	9.7	167564	FRK 05	75	70	15
168008	FRK 05	40	35	5.6	168059	FRK 05	80	74	12.8
168009	FRK 05	40	35	9.7	168060	FRK 05	80	75	5.6
168010	FRK 05	40	35	12	168061	FRK 05	80	75	9.7
168011	FRK 05	40	35	15	167570	FRK 05	80	75	15
168012	FRK 05	40	36	9.7	168062	FRK 05	80	75	20
168013	FRK 05	42	37	5.6	168063	FRK 05	80	75	25
168014	FRK 05	42	37	9.7	168064	FRK 05	85	80	5.6
168015	FRK 05	42	38	9.7	168065	FRK 05	85	80	9.7
168016	FRK 05	45	40	5.6	168066	FRK 05	85	80	15
168017	FRK 05	45	40	9.7	168067	FRK 05	85	80	20
168018	FRK 05	45	40	15	168068	FRK 05	90	85	5.6
168019	FRK 05	48	43	5.6	168069	FRK 05	90	85	9.7
168020	FRK 05	48	43	9.7	168070	FRK 05	90	85	15
167577	FRK 05	50	45	5.6	168071	FRK 05	90	85	20
167563	FRK 05	50	45	9.7	168072	FRK 05	90	85	25
168021	FRK 05	50	45	12	168073	FRK 05	95	90	5.6
168022	FRK 05	50	45	15	168074	FRK 05	95	90	9.7
168023	FRK 05	50	45	25	168075	FRK 05	95	90	15
167571	FRK 05	50	46	10	168076	FRK 05	100	95	5.6
168024	FRK 05	52	46	12.8	165996	FRK 05	100	95	9.7
168025	FRK 05	52	47	5.6	165997	FRK 05	100	95	15
168026	FRK 05	55	49	12.8	168077	FRK 05	100	95	20
168027	FRK 05	55	50	5.6	168078	FRK 05	100	95	25
167562	FRK 05	55	50	9.7	168079	FRK 05	105	100	5.6
168029	FRK 05	55	50	15	168080	FRK 05	105	100	9.7
168030	FRK 05	56	50	9.7	167567	FRK 05	105	100	15
168031	FRK 05	58	52	9.7	168081	FRK 05	110	104	12.8
168032	FRK 05	58	52	12.8	167022	FRK 05	110	105	9.7
168033	FRK 05	60	54	12.8	167566	FRK 05	110	105	15
168034	FRK 05	60	55	5.6	168082	FRK 05	110	105	20

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Sizes



Item No.	Code	D	d	L	Item No.	Code	D	d	L
168083	FRK 05	110	105	25	168129	FRK 05	180	175	30
168084	FRK 05	115	109	12.8	168130	FRK 05	185	180	15
168085	FRK 05	115	110	12.8	168131	FRK 05	185	180	25
168086	FRK 05	115	110	15	168132	FRK 05	190	185	15
168087	FRK 05	115	110	20	168134	FRK 05	190	185	25
168088	FRK 05	120	114	12.8	168135	FRK 05	195	190	9.7
165998	FRK 05	120	115	9.7	168136	FRK 05	195	190	15
165999	FRK 05	120	115	15	168137	FRK 05	200	195	5.6
168089	FRK 05	120	115	20	168138	FRK 05	200	195	9.7
168090	FRK 05	120	115	25	168139	FRK 05	200	195	15
168091	FRK 05	125	119	12.8	168140	FRK 05	200	195	20
168092	FRK 05	125	120	5.6	168141	FRK 05	200	195	25
168093	FRK 05	125	120	9.7	168142	FRK 05	200	195	30
167565	FRK 05	125	120	15	168143	FRK 05	200	195	40
168094	FRK 05	125	120	20	168144	FRK 05	210	205	15
168095	FRK 05	125	120	25	168145	FRK 05	210	205	25
168096	FRK 05	130	124	12.8	168146	FRK 05	210	206	25
168097	FRK 05	130	125	5.6	168147	FRK 05	220	215	15
166002	FRK 05	130	125	9.7	168148	FRK 05	220	215	20
168098	FRK 05	130	125	15	168149	FRK 05	220	215	25
168099	FRK 05	130	125	20	168150	FRK 05	220	215	30
168100	FRK 05	130	125	25	168151	FRK 05	220	215	40
168101	FRK 05	135	130	15	168152	FRK 05	225	220	25
168102	FRK 05	135	130	25	168153	FRK 05	225	220	30
168103	FRK 05	135	130	45	168154	FRK 05	230	225	15
166000	FRK 05	140	135	9.7	168155	FRK 05	230	225	25
166001	FRK 05	140	135	15	168156	FRK 05	230	225	30
168104	FRK 05	140	135	20	168157	FRK 05	230	225	40
168105	FRK 05	140	135	25	168158	FRK 05	235	230	25
168106	FRK 05	140	135	30	168159	FRK 05	235	230	30
168107	FRK 05	145	140	15	168160	FRK 05	240	235	15
168108	FRK 05	150	145	9.7	168161	FRK 05	240	235	20
168109	FRK 05	150	145	15	168162	FRK 05	240	235	25
168110	FRK 05	150	145	20	168163	FRK 05	240	235	30
168111	FRK 05	150	145	25	168164	FRK 05	240	235	40
168112	FRK 05	155	150	25	168165	FRK 05	245	240	9.7
166003	FRK 05	160	155	9.7	168166	FRK 05	245	240	15
166004	FRK 05	160	155	15	168167	FRK 05	245	240	20
168113	FRK 05	160	155	20	168168	FRK 05	245	240	25
168114	FRK 05	160	155	25	168169	FRK 05	245	240	30
168115	FRK 05	160	155	35	168170	FRK 05	250	245	15
168116	FRK 05	160	155	40	168171	FRK 05	250	245	20
168117	FRK 05	165	160	9.7	168172	FRK 05	250	245	25
168118	FRK 05	165	160	15	168173	FRK 05	250	245	30
168119	FRK 05	165	160	25	168174	FRK 05	260	255	15
168120	FRK 05	165	160	30	168175	FRK 05	260	255	25
168121	FRK 05	170	165	15	168176	FRK 05	260	255	30
168122	FRK 05	170	165	25	168177	FRK 05	270	265	15
168123	FRK 05	170	165	30	168178	FRK 05	270	265	20
168124	FRK 05	175	170	15	168179	FRK 05	270	265	25
168125	FRK 05	175	170	25	168180	FRK 05	270	265	30
168126	FRK 05	175	170	30	168181	FRK 05	275	270	30
168127	FRK 05	180	175	9.7	168182	FRK 05	280	275	9.7
167568	FRK 05	180	175	15	168183	FRK 05	280	275	15
168128	FRK 05	180	175	25	168184	FRK 05	280	275	20

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Sizes

Item No.	Code	D	d	L	Item No.	Code	D	d	L
168185	FRK 05	280	275	25	168243	FRK 05	450	442	25
168186	FRK 05	280	275	30	168244	FRK 05	450	445	25
168187	FRK 05	285	280	30	168245	FRK 05	450	445	40
168188	FRK 05	290	285	9.7	168246	FRK 05	460	455	25
168189	FRK 05	290	285	15	168247	FRK 05	480	475	25
168190	FRK 05	290	285	25	168248	FRK 05	500	495	25
168191	FRK 05	300	295	9.7	168249	FRK 05	500	495	40
168192	FRK 05	300	295	15	168250	FRK 05	520	515	25
168193	FRK 05	300	295	20	168251	FRK 05	550	545	25
168194	FRK 05	300	295	25	168252	FRK 05	600	595	25
168195	FRK 05	300	295	30	168253	FRK 05	650	645	25
168196	FRK 05	300	295	40					
168197	FRK 05	305	300	25					
168198	FRK 05	310	305	9.7					
168199	FRK 05	315	310	25					
168200	FRK 05	320	315	9.7					
168204	FRK 05	320	315	15					
168205	FRK 05	320	315	25					
168206	FRK 05	320	315	30					
168207	FRK 05	320	315	40					
168208	FRK 05	325	320	9.7					
168209	FRK 05	330	325	9.7					
168210	FRK 05	330	325	25					
168211	FRK 05	330	325	40					
168212	FRK 05	335	330	9.7					
168213	FRK 05	340	335	25					
168215	FRK 05	345	340	30					
168214	FRK 05	350	340	25					
168216	FRK 05	350	345	9.7					
168217	FRK 05	350	345	15					
168218	FRK 05	350	345	20					
168219	FRK 05	350	345	25					
168220	FRK 05	350	345	50					
168221	FRK 05	360	355	9.7					
168222	FRK 05	360	355	15					
168223	FRK 05	360	355	20					
168224	FRK 05	360	355	25					
168225	FRK 05	360	355	30					
168226	FRK 05	370	365	25					
168227	FRK 05	370	365	30					
168228	FRK 05	380	375	15					
168229	FRK 05	380	375	25					
168230	FRK 05	380	375	30					
168231	FRK 05	390	385	15					
168232	FRK 05	400	392	40					
168233	FRK 05	400	395	15					
168234	FRK 05	400	395	25					
168235	FRK 05	400	395	30					
168236	FRK 05	400	395	40					
168237	FRK 05	410	405	15					
168238	FRK 05	410	405	25					
168239	FRK 05	415	410	25					
168240	FRK 05	420	415	25					
168241	FRK 05	430	425	25					
168242	FRK 05	440	435	40					