

PFC-6 Synthetic Fiber Phenolic Wear Rings

The function of hydraulic wear rings is to guide the piston and piston rod of a hydraulic cylinder, absorbing transverse forces. At the same time, it prevents metal-to-metal contact, optimizing the performance of the sealing system.

PFC-6 Material Structure: Phenolic resin + synthetic fiber

PFC-6 high-strength composite material is based upon new type of phenolic resin, reinforced with specialty synthetic fiber and processed under certain temperature and pressure, it can adapt all types of service conditions.




PFC-6 Material Advantages:

good mechanical strength and flexibility
superior wear resistance and low friction

PFC-6 Material Technical Parameters:

Part Number	PFC-6	Test Method
Color	Light yellow to brown	/
Density	1.2-1.4g/cm ³ 0.043-0.051lb/in ³	DIN 53476
Tensile Strength	40MPa 5800PSI	ISO 527
Ultimate Compressive Strength	320MPa 46400PSI	ISO 604
Impact Strength	215 J/m	/
Rockwell Hardness	80HRM	ASTM D-229
Coefficient of friction	0.20-0.40(Dry) 0.09-0.12(Oil)	ASTM D 1894
Temperature	-40° to 130° C -40° to 266° F	

Wear Cut Styles:

Style	Advantages
 <p>Angle Cut</p>	<p>Angle cut rings improve bearing stress at the gap. These rings tend to suit reciprocating movement.</p>
 <p>Butt Cut</p>	<p>Straight Cut, also known as Butt Cut rings are the easiest style to install in many applications. Straight cut rings are best suited for rotary movement.</p>
 <p>Step Cut</p>	<p>Step cut rings also improve bearing stress at the gap. However, they offer better resistance to contaminants and spike loads. This type of design offers the best level of performance.</p>

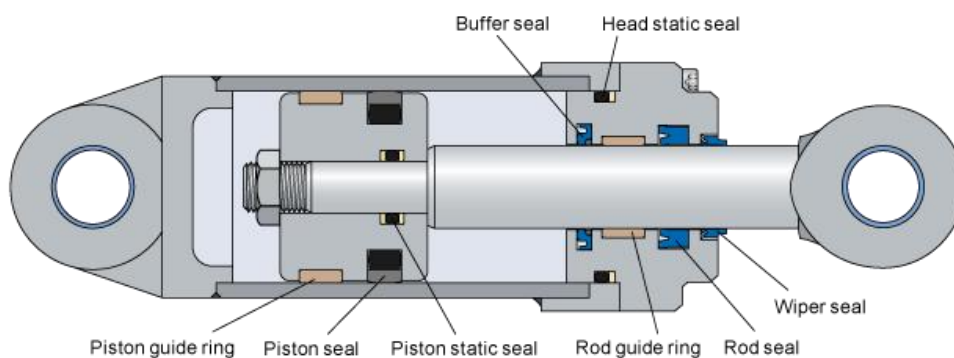
Typical application:

High Pressure Oil Cylinder Guide Rings

Engineering Machinery Guide Rings, Bushings, Shaft Sleeves

Mining and Coal Machinery Equipment Support Rings

Hydraulic Machinery, Forging Machinery Tool Guide Bushings



Standard Size Sheet, additional sizes are available upon request.

Part Number	I.D.(mm)	O.D.(mm)	Width(mm)
PFC-6	20	25	5.6
PFC-6	20	25	6.3
PFC-6	20	25	9.7
PFC-6	25	30	5.6
PFC-6	25	30	9.7
PFC-6	27	32	5.6
PFC-6	27	32	6.3
PFC-6	27	32	9.7
PFC-6	28	32	6
PFC-6	28	32	8
PFC-6	28	32	9.5
PFC-6	30	33	5.6
PFC-6	30	34	8
PFC-6	30	34	9.7
PFC-6	30	35	5.6
PFC-6	30	35	9.7
PFC-6	35	38	6
PFC-6	35	38	9.7
PFC-6	35	39	8
PFC-6	35	39	5.6
PFC-6	35	39	9.6
PFC-6	36	39	5.6
PFC-6	36	41	5.6
PFC-6	36	41	9.7
PFC-6	38	43	5.6
PFC-6	38	43	9.7
PFC-6	38	43	20
PFC-6	40	44	9.2
PFC-6	40	45	5.6
PFC-6	40	45	9.7
PFC-6	40	46	9.6

Part Number	I.D.(mm)	O.D.(mm)	Width(mm)
PFC-6	41	45	9.6
PFC-6	41	45	20
PFC-6	44	50	9.7
PFC-6	45	50	5.6
PFC-6	45	50	9.7
PFC-6	45	50	10
PFC-6	45	50	15
PFC-6	45	51	22.5
PFC-6	46	51	9.7
PFC-6	46	51	15
PFC-6	50	55	5.6
PFC-6	50	55	9.7
PFC-6	50	55	15
PFC-6	50	55	20
PFC-6	50	56	12.7
PFC-6	51	56	5.6
PFC-6	51	56	9.7
PFC-6	54	60	9.7
PFC-6	54	60	12.5
PFC-6	54	60	24.6
PFC-6	55	60	5.6
PFC-6	55	60	9.7
PFC-6	55	60	15
PFC-6	56	60	8
PFC-6	56	60	10
PFC-6	56	61	9.7
PFC-6	56	61	15
PFC-6	56	62	25
PFC-6	57	63	12.5
PFC-6	58	63	9.7
PFC-6	58	63	15

Part Number	I.D.(mm)	O.D.(mm)	Width(mm)
PFC-6	60	65	5.6
PFC-6	60	65	9.7
PFC-6	60	65	19.3
PFC-6	63	68	9.7
PFC-6	63	68	15
PFC-6	63	68	25
PFC-6	63	69	31.5
PFC-6	64	70	10
PFC-6	64	70	12.7
PFC-6	65	70	6.3
PFC-6	65	70	9.7
PFC-6	65	70	15
PFC-6	65	70	20
PFC-6	70	75	5.6
PFC-6	70	75	9.7
PFC-6	70	75	15
PFC-6	70	75	25
PFC-6	70	76	19.5
PFC-6	74	80	12.7
PFC-6	74	80	20
PFC-6	75	80	5.6
PFC-6	75	80	9.7
PFC-6	75	80	15
PFC-6	75	80	20
PFC-6	80	85	9.7
PFC-6	80	85	15
PFC-6	80	85	20
PFC-6	80	85	25
PFC-6	80	86	12.5
PFC-6	80	86	35
PFC-6	80	86	40

Part Number	I.D.(mm)	O.D.(mm)	Width(mm)
PFC-6	82	90	6
PFC-6	82	90	15
PFC-6	84	90	15
PFC-6	84	90	25
PFC-6	85	90	5
PFC-6	85	90	9.7
PFC-6	85	90	15
PFC-6	85	91	12.5
PFC-6	85	91	15
PFC-6	85	91	20
PFC-6	90	95	6
PFC-6	90	95	9.7
PFC-6	90	95	15
PFC-6	90	95	25
PFC-6	91	100	12.5
PFC-6	91	100	14.3
PFC-6	94	100	12.7
PFC-6	94	100	15
PFC-6	95	100	5.6
PFC-6	95	100	9.7
PFC-6	95	100	15
PFC-6	100	105	9.7
PFC-6	100	105	15
PFC-6	102	110	15
PFC-6	104	110	12.5
PFC-6	104	110	25
PFC-6	105	110	7.9
PFC-6	105	110	9.7
PFC-6	105	110	15
PFC-6	115	110	9.7
PFC-6	115	110	15

Part Number	I.D.(mm)	O.D.(mm)	Width(mm)
PFC-6	115	110	25
PFC-6	114	120	15
PFC-6	114	120	20
PFC-6	114	120	30
PFC-6	115	120	5.6
PFC-6	115	120	7.9
PFC-6	115	120	9.7
PFC-6	115	120	14.8
PFC-6	115	120	15
PFC-6	115	120	20
PFC-6	115	120	25
PFC-6	119	125	15
PFC-6	119	125	20
PFC-6	120	125	7.9
PFC-6	120	125	9.7
PFC-6	120	125	14.8
PFC-6	120	125	15
PFC-6	120	125	20
PFC-6	120	125	25
PFC-6	121	125	19.8
PFC-6	123	130	30
PFC-6	124	130	6
PFC-6	124	130	15
PFC-6	125	130	7.9
PFC-6	125	130	9.7
PFC-6	125	130	15
PFC-6	125	130	20
PFC-6	125	130	25
PFC-6	125	131	30
PFC-6	128	135	15
PFC-6	128	135	25

Part Number	I.D.(mm)	O.D.(mm)	Width(mm)
PFC-6	130	135	7.9
PFC-6	130	135	9.7
PFC-6	130	135	15
PFC-6	130	135	20
PFC-6	133	140	9.7
PFC-6	133	140	14.8
PFC-6	133	140	35
PFC-6	134	140	12.5
PFC-6	134	140	25
PFC-6	135	140	7.9
PFC-6	135	140	9.5
PFC-6	135	140	15
PFC-6	138	145	14.8
PFC-6	140	145	7.9
PFC-6	140	145	9.7
PFC-6	140	145	15
PFC-6	140	145	20
PFC-6	140	148	40
PFC-6	145	150	9.7
PFC-6	145	150	15
PFC-6	145	150	20
PFC-6	145	150	25
PFC-6	150	155	7.9
PFC-6	150	155	15
PFC-6	150	155	20
PFC-6	150	155	25
PFC-6	153	160	20
PFC-6	153	160	40
PFC-6	154	160	19.5
PFC-6	155	160	7.9
PFC-6	155	160	9.7

Part Number	I.D.(mm)	O.D.(mm)	Width(mm)
PFC-6	155	160	15
PFC-6	155	160	20
PFC-6	155	160	25
PFC-6	160	165	9.7
PFC-6	160	165	15
PFC-6	160	165	20
PFC-6	160	165	25
PFC-6	165	170	9.5
PFC-6	165	170	15
PFC-6	170	175	9.7
PFC-6	170	175	15
PFC-6	174	180	19.2
PFC-6	175	180	9.7
PFC-6	175	180	15
PFC-6	175	180	20
PFC-6	175	180	25
PFC-6	180	185	9.7
PFC-6	180	185	15
PFC-6	180	185	20
PFC-6	180	185	25
PFC-6	185	190	14.8
PFC-6	185	190	15
PFC-6	190	195	15
PFC-6	192	200	22.5
PFC-6	194	200	12
PFC-6	194	200	19.2
PFC-6	194	200	20
PFC-6	194	200	35
PFC-6	194	200	50
PFC-6	195	200	9.7
PFC-6	195	200	15

Part Number	I.D.(mm)	O.D.(mm)	Width(mm)
PFC-6	195	200	20
PFC-6	195	200	25
PFC-6	200	205	15
PFC-6	200	205	20
PFC-6	200	205	25
PFC-6	204	209	10
PFC-6	204	209	15
PFC-6	205	210	15
PFC-6	205	210	25
PFC-6	210	215	9.7
PFC-6	210	215	15
PFC-6	225	230	15
PFC-6	225	230	20
PFC-6	240	245	15
PFC-6	240	245	20
PFC-6	240	245	25
PFC-6	242	250	25
PFC-6	245	250	15
PFC-6	245	250	20
PFC-6	245	250	25
PFC-6	270	275	15
PFC-6	280	285	15
PFC-6	280	285	20
PFC-6	292	300	40
PFC-6	292	300	60
PFC-6	295	300	20
PFC-6	295	300	25
PFC-6	300	305	15
PFC-6	300	305	20
PFC-6	300	305	25
PFC-6	314	320	15

Part Number	I.D.(mm)	O.D.(mm)	Width(mm)
PFC-6	314	320	20
PFC-6	315	320	15
PFC-6	315	320	20
PFC-6	315	320	25
PFC-6	320	325	15
PFC-6	320	325	25
PFC-6	340	345	15
PFC-6	340	345	25
PFC-6	360	365	20
PFC-6	360	365	25
PFC-6	372	380	20
PFC-6	372	380	25
PFC-6	375	380	15
PFC-6	385	390	15
PFC-6	395	400	15
PFC-6	395	400	25
PFC-6	400	405	25
PFC-6	415	420	25
PFC-6	495	500	25