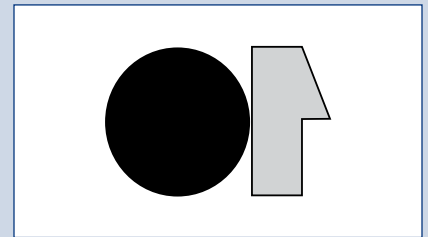


Buffer Rings buffer the pressure spikes of hydraulic systems. They act as a primary rod seal, and at the same time enable trapped fluid sealed by the secondary seal, which is down stream of the buffer, to be pumped back into the system. When a buffer ring is used in combination with a lip seal, the resulting sealing system provides long life with an exceptionally dry rod. Buffer seals are commonly used for rod seal application only.

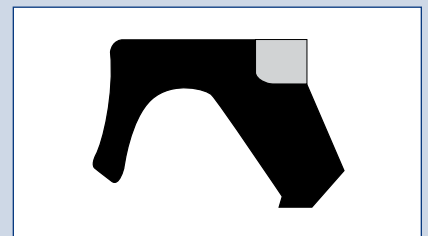
STYLE KR (STANDARD)

Molded in PTFE with a rubber energizer, this seal absorbs the shock of pressure spikes protecting the rod seal .



STYLE DYR (STANDARD)

DYR style buffer ring offers an asymmetric sealing lip profile, chamfered sealing edges, and pressure relieving capabilities to prevent inner pressure entrapment when employed in a tandem sealing system. This rod buffer seal is designed to absorb impact pressure fluctuations under high-load conditions thus increasing the life of the primary seal.

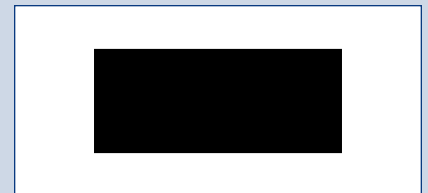


STYLE CAT. 1pc URETHANE

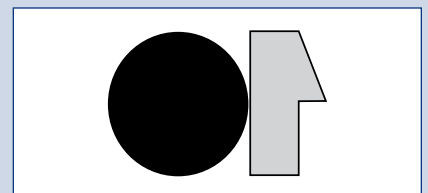
92 A URETHANE

STYLE CAT. 2pc PTFE/NYLON

Bronze Filled Ptfе Seal Rubber Energizer. Nylon



NOTE: Caterpillar® part numbers are used as a reference only. We do not imply that these parts are original equipment parts.



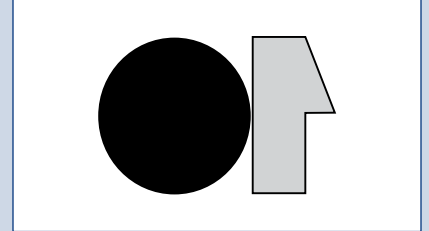
STYLE RBS

The RBS style rod buffer seals are a rectangular urethane buffer ring designed to absorb pressure fluctuations thereby protecting the primary rod seal. Some sizes include a radial and axial slot, which faces the pressure, to relieve back pressure between the primary and buffer seal. This simple design is commonly found on older construction equipment.



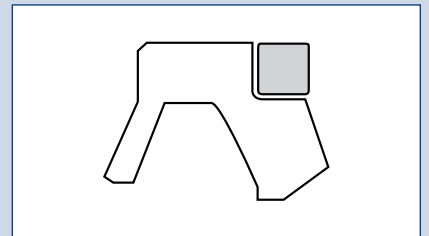
STYLE MKR (METRIC)

Filled PTFE Buffer. NITILE 70 Energizer



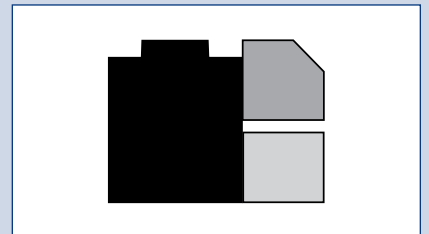
STYLE MYR (METRIC)

URETHANE BUFFER. NYLON ENERGIZER



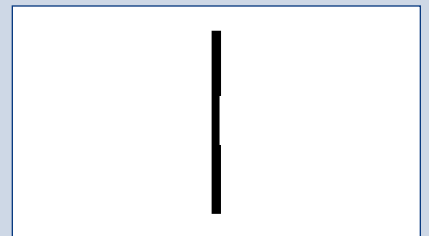
STYLE MNBR (METRIC)

NYLON/PTFE BUFFER. NITRILE 70 ENERGIZER



STYLE MRT CUSHION SEALS (METRIC)

FILLED NYLON OR REINFORCED PHENOLIC



STYLE KR (STANDARD)

DMR Part Number	B Nominal Rod Dia. Seal ID	A Groove Diameter	W Seal Width	G Groove Width	E - Maximum Diametrical Clearance		
					1000 PSI	3000 PSI	5000 PSI
KR-05001	1/2	0.798 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004
KR-10001	1	1.298 +0.004/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004
KR-10002	1	1.433 +0.004/-0	.155±.005	0.165 +0.008/-0	0.016	0.008	0.006
KR-11201	1-1/8	1.423 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004
KR-12501	1-1/4	1.548 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004
KR-12502	1-1/4	1.674 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006
KR-13702	1-3/8	1.799 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006
KR-15001	1-1/2	1.798 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004
KR-15002	1-1/2	1.924 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006
KR-15003	1-1/2	2.116 +0.004/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-17501	1-3/4	2.048 +0.003/-0	.122±.005	0.126 +0.010/-0	0.012	0.006	0.004
KR-17502	1-3/4	2.174 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006
KR-17503	1-3/4	2.366 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-18702	1-7/8	2.299 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006
KR-20002	2	2.424 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006
KR-20003	2	2.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-21202	2-1/8	2.549 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006
KR-22502	2-1/4	2.674 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006
KR-25002	2-1/2	2.924 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006
KR-25003	2-1/2	3.116 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-26203	2-5/8	3.241 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-27503	2-3/4	3.366 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-30002	3	3.424 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006
KR-30003	3	3.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-32503	3-1/4	3.866 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-35003	3-1/2	4.116 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-37503	3-3/4	4.366 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-40002	4	4.424 +0.004/-0	.155±.005	0.166 +0.010/-0	0.016	0.008	0.006
KR-40003	4	4.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-40004	4	4.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009
KR-45003	4-1/2	5.116 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008

STYLE KR (STANDARD)

DMR Part Number	B Nominal Rod Dia. Seal ID	A Groove Diameter	W Seal Width	G Groove Width	E - Maximum Diametrical Clearance		
					1000 PSI	3000 PSI	5000 PSI
KR-45004	4-1/2	5.330 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009
KR-47503	4-3/4	5.366 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-50003	5	5.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-50004	5	5.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009
KR-55004	5-1/2	6.330 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009
KR-57504	5-3/4	6.580 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009
KR-60003	6	6.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-60004	6	6.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009
KR-65003	6-1/2	7.116 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-67504	6-3/4	7.580 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009
KR-70003	7	7.616 +0.005/-0	.235±.005	0.247 +0.010/-0	0.020	0.010	0.008
KR-70004	7	7.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009
KR-82504	8-1/4	9.080 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009
KR-90004	9	9.830 +0.006/-0	.305±.005	0.320 +0.010/-0	0.024	0.012	0.009

STYLE DYR (STANDARD))

DMR Part Number	D Nominal Rod Dia. Seal ID	G Groove Diameter	W Seal Width	L Groove Width	Diametrical Clearance Gap		
					1000 PSI	3000 PSI	5000 PSI
DYR28-1.25-12	1-1/4	1.819 ±0.004	1/8	0.140 ±0.005	0.012	0.008	0.005
DYR28-1.50-12	1-1/2	2.067 ±0.004	1/8	0.140 ±0.005	0.012	0.008	0.005
DYR28-1.75-12	1-3/4	2.319 ±0.004	1/8	0.140 ±0.005	0.012	0.008	0.005
DYR28-2.00-12	2	2.567 ±0.004	1/8	0.140 ±0.005	0.012	0.008	0.005
DYR31-2.75-22BU	2-3/4	3.402 ±0.004	3/16	0.234 ±0.005	0.030	0.022	0.018
DYR31-3.00-22BU	3	3.649 ±0.004	3/16	0.234 ±0.005	0.030	0.022	0.018
DYR31-4.00-22BU	4	4.669 ±0.004	3/16	0.234 ±0.005	0.030	0.022	0.018
DYR32-1.75-20BU	1-3/4	2.395 ±0.005	0.22	0.220 ±0.005	0.030	0.022	0.018
DYR34-2.25-22BU	2-1/4	2.929 ±0.004	3/16	0.234 ±0.005	0.030	0.022	0.018
DYR34-2.50-22BU	2-1/2	3.177 ±0.004	3/16	0.234 ±0.005	0.030	0.022	0.018
DYR34-3.00-22BU	3	3.649 ±0.004	3/16	0.234 ±0.005	0.030	0.022	0.018
DYR34-3.50-22BU	3-1/2	4.169 ±0.004	3/16	0.234 ±0.005	0.030	0.022	0.018
DYR-25003	2-1/2	3.116 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-27503	2-3/4	3.366 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-30003	3	3.616 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-35003	3-1/2	4.116 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-40003	4	4.616 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-45003	4-1/2	5.116 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-47503	4-3/4	5.366 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-50003	5	5.616 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-55003	5-1/2	6.116 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-60003	6	6.616 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-65003	6-1/2	7.116 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-70003	7	7.616 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-75003	7-1/2	8.116 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018
DYR-80003	8	8.616 +0.005/-0	0.235	0.247 +0.010/-0	0.030	0.022	0.018

STYLE CAT. 1pc URETHANE

DMR Part Number	Rod Size
CTC-5P4673	7/8
CTC-6J9733	1-1/2
CTC-9J3497	1-1/4
CTC-6J9178	1-3/4
CTC-4T6778	1-7/8
CTC-6J6917	2
CTC-5J3620	2-1/2
CTC-5J3616	2-1/4
CTC-4T6127	2-1/8
CTC-6J6553	2-3/4
CTC-6J6916	2-3/8
CTC-1U4020	2-5/8
CTC-6J6915	3
CTC-6J6736	3-1/2
CTC-6J7167	3-1/4
CTC-8J6070	3-3/4
CTC-8J4627	4
CTC-7J8943	4-1/4
CTC-7J9257	4-3/4
CTC-3G5055	4-3/8
CTC-8J4509	5
CTC-6J8631	6-1/2
CTC-9J2495	7

STYLE CAT. 2pc PTFE/NYLON

DMR Part Number	Rod Size
CTC-8C9122	1-1/2
CTC-8C9123	1-3/4
CTC-8C9124	2
CTC-8C3839	2-1/2
CTC-8C9125	2-1/4
CTC-8C3841	2-3/4
CTC-8C9138	2-3/8
CTC-8C9126	3
CTC-8C9127	3-1/2
CTC-8C9121	3-1/4
CTC-8C9128	3-3/4
CTC-8C9129	4
CTC-8C9130	7

STYLE RBS

DMR Part Number	ID	OD	H.
RBS-1.2X1.6	1.250	1.620	0.118
RBS-1.50X2.00SL	1.500	2.000	0.118
RBS-1.75X2.25SL	1.750	2.250	0.118
RBS-2.00X2.50SL	2.000	2.500	0.118
RBS-2.25X2.87SL	2.250	2.870	0.190
RBS-2.50X3.12SL	2.500	3.120	0.190
RBS-3.00X3.62SL	3.000	3.620	0.190
RBS-4.0X4.4X.19	4.000	4.380	0.190
RBS-4.5X5.2X.17	4.500	5.220	0.170
RBS-6X6.7X.17	6.000	6.720	0.170
RBS-7.5X8.2X.17	7.500	8.220	0.170

STYLE MKR (METRIC)

DMR Part Number	ID	OD	H
MKR-6x11x2	6	11	2
MKR-8x13x2	8	13	2
MKR-8x15.5x3	8	15.5	3
MKR-12x17x3	12	17	3
MKR-12x19.5x3	12	19.5	3
MKR-14x21.5x3	14	21.5	3
MKR-15x22.5x3	15	22.5	3
MKR-16x23.5x3	16	23.5	3
MKR-18x23x2	18	23	2
MKR-18x25.5x3	18	25.5	3
MKR-20x27.5x3	20	27.5	3
MKR-20x31x4	20	31	4
MKR-22x29.5x3	22	29.5	3
MKR-22x33x4	22	33	4
MKR-25x32.5x3	25	32.5	3
MKR-25x35.7x4	25	35.7	4
MKR-28x35.5x3	28	35.5	3
MKR-28x39x4	28	39	4
MKR-30x37.5x3	30	37.5	3
MKR-30x40.7x3.9	30	40.7	3.9
MKR-32x39.5x3	32	39.5	3
MKR-32x43x4	32	43	4
MKR-35x42.5x3	35	42.5	3
MKR-35x46x4	35	46	4
MKR-35x48x3	35	48	3
MKR-36x43.5x3	36	43.5	3
MKR-36x47x4	36	47	4
MKR-40x51x4	40	51	4
MKR-40x52.6x4	40	52.6	4
MKR-40x55.5x5.9	40	55.5	5.9
MKR-45x56x4	45	56	4

DMR Part Number	ID	OD	H
MKR-45x57.6x4	45	57.6	4
MKR-45x60.5x5.9	45	60.5	5.9
MKR-50x60x4.5	50	60	4.5
MKR-50x61x4	50	61	4
MKR-50x62.6x4	50	62.6	4
MKR-50x65.5x5.9	50	65.5	5.9
MKR-55x70.5x5.9	55	70.5	5.9
MKR-56x68.6x4	56	68.6	4
MKR-56x71.5x5.9	56	71.5	5.9
MKR-60x71x4	60	71	4
MKR-60x75.5x5.9	60	75.5	5.9
MKR-63x78.5x5.9	63	78.5	5.9
MKR-65x80.5x5.9	65	80.5	5.9
MKR-70x81x4	70	81	4
MKR-70x85.5x5.9	70	85.5	5.9
MKR-75x90.5x5.9	75	90.5	5.9
MKR-80x95.5x5.9	80	95.5	5.9
MKR-85x100.5x5.9	85	100.5	5.9
MKR-90x105.5x5.9	90	105.5	5.9
MKR-95x110.5x5.9	95	110.5	5.9
MKR-100x115.5x5.9	100	115.5	5.9
MKR-105x120.5x5.9	105	120.5	5.9
MKR-110x125.5x5.9	110	125.5	5.9
MKR-115x130.5x5.9	115	130.5	5.9
MKR-120x135.5x5.9	120	135.5	5.9
MKR-125x140.5x5.9	125	140.5	5.9
MKR-130x145.5x5.9	130	145.5	5.9
MKR-150x165.5x5.9	150	165.5	5.9
MKR-160x175.5x5.9	160	175.5	5.9
MKR-170x185.5x5.9	170	185.5	5.9

STYLE MYR (METRIC)

DMR Part Number	ID	OD	H
MYR-40x55.5x5.9	40	55.5	5.9
MYR-45x60.5x5.9	45	60.5	5.9
MYR-50x65.5x5.9	50	65.5	5.9
MYR-55x70.5x5.9	55	70.5	5.9
MYR-56x71.5x5.9	56	71.5	5.9
MYR-60x75.5x5.9	60	75.5	5.9
MYR-63x78.5x5.9	63	78.5	5.9
MYR-65x80.5x5.9	65	80.5	5.9
MYR-70x85.5x5.9	70	85.5	5.9
MYR-75x90.5x5.9	75	90.5	5.9
MYR-80x95.5x5.9	80	95.5	5.9
MYR-85x100.5x5.9	85	100.5	5.9
MYR-90x105.5x5.9	90	105.5	5.9
MYR-95x110.5x5.9	95	110.5	5.9
MYR-100x115.5x5.9	100	115.5	5.9
MYR-105x120.5x5.9	105	120.5	5.9
MYR-110x125.5x5.9	110	125.5	5.9
MYR-115x130.5x5.9	115	130.5	5.9
MYR-120x135.5x5.9	120	135.5	5.9
MYR-130x145.5x5.9	130	145.5	5.9
MYR-140x155.5x5.9	140	155.5	5.9
MYR-150x165.5x5.9	150	165.5	5.9
MYR-160x175.5x5.9	160	175.5	5.9
MYR-170x185.5x5.9	170	185.5	5.9
MYR-180x195.5x5.9	180	195.5	5.9
MYR-190x205.5x5.9	190	205.5	5.9

STYLE MNBR (METRIC)

DMR Part Number	ID	OD	H
MNBR-55x70.5x5.9	55	70.5	5.9
MNBR-60x75.5x5.9	60	75.5	5.9
MNBR-65x80.5x5.9	65	80.5	5.9
MNBR-70x85.5x5.9	70	85.5	5.9
MNBR-75x90.5x5.9	75	90.5	5.9
MNBR-80x95.5x5.9	80	95.5	5.9
MNBR-85x100.5x5.9	85	100.5	5.9
MNBR-90x105.5x5.9	90	105.5	5.9
MNBR-95x110.5x5.9	95	110.5	5.9
MNBR-100x115.5x5.9	100	115.5	5.9
MNBR-105x120.5x5.9	105	120.5	5.9
MNBR-110x125.5x5.9	110	125.5	5.9
MNBR-115x130.5x5.9	115	130.5	5.9
MNBR-120x135.5x5.9	120	135.5	5.9
MNBR-125x140.5x5.9	125	140.5	5.9

STYLE MRT CUSHION SEALS (METRIC)

DMR Part Number	ID	OD	H	Material
MRT-30A	25.80	30.00	5	P
MRT-30B	24.80	30.00	5	P
MRT-38	33.00	38.00	6	P
MRT-38B	31.76	38.00	6	N
MRT-38C	31.80	38.00	6	P
MRT-40	33.65	38.85	6	N
MRT-46	41.00	46.00	6	N
MRT-65	60.00	65.00	6	N
MRT-65A	58.80	65.00	6	P
MRT-65B	61.05	64.00	6	N
MRT-70	65.00	70.00	6	N
MRT-70A	63.00	69.00	6	P
MRT-72A	64.80	70.80	6	P
MRT-75	70.00	75.00	6	N
MRT-75A	68.00	74.00	6	P
MRT-75C	68.80	75.00	6	P
MRT-80	75.00	80.00	6	N
MRT-80A	68.85	78.85	8	P
MRT-80C	73.80	80.00	6	P
MRT-85	80.00	85.00	6	N

DMR Part Number	ID	OD	H	Material
MRT-85A	74.00	84.00	8	P
MRT-85B	78.76	85.00	6	N
MRT-89	89.00	94.00	6	P
MRT-90	85.00	90.00	6	N
MRT-90A	79.00	89.00	8	P
MRT-90C	83.80	90.00	6	P
MRT-95	90.00	95.00	6	N
MRT-95A	83.70	93.70	8	P
MRT-95B	88.80	95.00	6	N
MRT-100	95.00	100.00	6	N
MRT-100A	88.85	98.85	8	P
MRT-105	105.00	110.00	6	P
MRT-105A	93.50	103.50	8	P
MRT-107	101.80	107.00	6	P
MRT-115	109.80	115.00	6	P
MRT-120	114.80	120.00	6	P
MRT-120A	108.50	118.50	8	P
MRT-128A	116.00	128.00	10	P
MRT-134A	122.00	134.00	10	P

N= Filled Nylon

P= Reinforced Phenolic