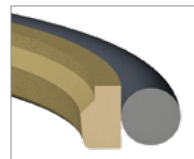
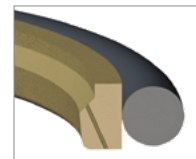


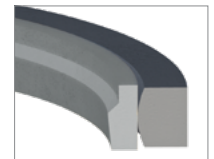
Seal Materials	Temp. Range
15% Glass, 5% Moly Reinforced PTFE	-200°C to 260°C
40% Bronze Reinforced PTFE	-200°C to 260°C
Loader Materials	
Nitrile	-40°C to 120°C
Viton™/Fluorocarbon	-26°C to 204°C
Urethane	-54°C to 105°C



MR



MR w/ Pressure Relief Port (PR)

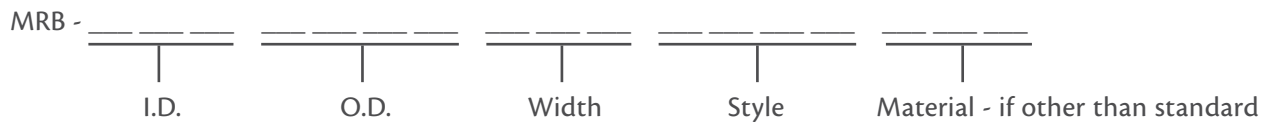


S

## Product Description

Buffer seals are commonly used in combination with another rod seal, typically a U-cup style seal. In rod applications, buffer seals absorb pressure fluctuations when working under high-load conditions; this increases the lifespan of the rod seal.

## Part Numbers:

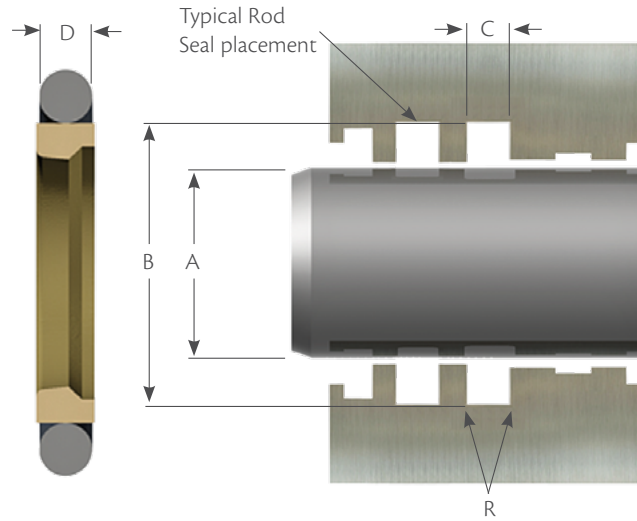
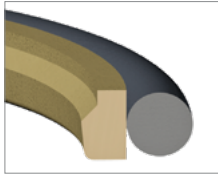


**Example:** MRB 20 307 42 MR - Metric MR Style Buffer Seal, Bronze Filled PTFE, Nitrile Loader, 20.00 mm I.D., 30.70 mm O.D., 4.20 mm Width

# Buffer Seals

METRIC SEALS

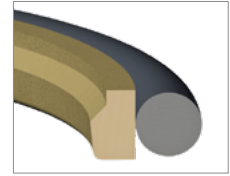
## MR Style



The standard materials for MR style buffer seals is a bronze filled PTFE ring with a nitrile loader.

Part Number	A Shaft Diameter	B Groove Diameter	C Groove Width	D Seal Height	Profile	R Gland Radius
MRB 1014922 MR	10.00	14.90	2.20	2.00	2.45	0.30
MRB 1017332 MR	10.00	17.30	3.20	3.00	3.65	0.50
MRB 1216922 MR	12.00	16.90	2.20	2.00	2.45	0.30
MRB 1219332 MR	12.00	19.30	3.20	3.00	3.65	0.50
MRB 1418922 MR	14.00	18.90	2.20	2.00	2.45	0.30
MRB 1421332 MR	14.00	21.30	3.20	3.00	3.65	0.50
MRB 1519922 MR	15.00	19.90	2.20	2.00	2.45	0.30
MRB 1522332 MR	15.00	22.30	3.20	3.00	3.65	0.50
MRB 1620922 MR	16.00	20.90	2.20	2.00	2.45	0.30
MRB 1623332 MR	16.00	23.30	3.20	3.00	3.65	0.50
MRB 1822922 MR	18.00	22.90	2.20	2.00	2.45	0.30
MRB 1825332 MR	18.00	25.30	3.20	3.00	3.65	0.50
MRB 2027332 MR	20.00	27.30	3.20	3.00	3.65	0.50
MRB 2030742 MR	20.00	30.70	4.20	4.00	5.35	0.80
MRB 2229332 MR	22.00	29.30	3.20	3.00	3.65	0.50
MRB 2232742 MR	22.00	32.70	4.20	4.00	5.35	0.80
MRB 2532332 MR	25.00	32.30	3.20	3.00	3.65	0.50
MRB 2535742 MR	25.00	35.70	4.20	4.00	5.35	0.80
MRB 2835332 MR	28.00	35.30	3.20	3.00	3.65	0.50
MRB 2838742 MR	28.00	38.70	4.20	4.00	5.35	0.80
MRB 3037332 MR	30.00	37.30	3.20	3.00	3.65	0.50
MRB 3040742 MR	30.00	40.70	4.20	4.00	5.35	0.80
MRB 3239332 MR	32.00	39.30	3.20	3.00	3.65	0.50
MRB 3242742 MR	32.00	42.70	4.20	4.00	5.35	0.80
MRB 3542332 MR	35.00	42.30	3.20	3.00	3.65	0.50
MRB 3545742 MR	35.00	45.70	4.20	4.00	5.35	0.80
MRB 3643332 MR	36.00	43.30	3.20	3.00	3.65	0.50
MRB 3646742 MR	36.00	46.70	4.20	4.00	5.35	0.80
MRB 4050742 MR	40.00	50.70	4.20	4.00	5.35	0.80
MRB 4055163 MR	40.00	55.10	6.30	5.90	7.55	1.20

MR Style



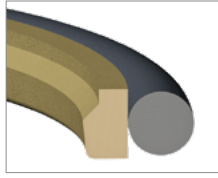
Buffer Seals

Part Number	A Shaft Diameter	B Groove Diameter	C Groove Width	D Seal Height	Profile	R Gland Radius
MRB 4252742 MR	42.00	52.70	4.20	4.00	5.35	0.80
MRB 4257163 MR	42.00	57.10	6.30	5.90	7.55	1.20
MRB 4555742 MR	45.00	55.70	4.20	4.00	5.35	0.80
MRB 4560163 MR	45.00	60.10	6.30	5.90	7.55	1.20
MRB 5060742 MR	50.00	60.70	4.20	4.00	5.35	0.80
MRB 5065163 MR	50.00	65.10	6.30	5.90	7.55	1.20
MRB 5565742 MR	55.00	65.70	4.20	4.00	5.35	0.80
MRB 5666742 MR	56.00	66.70	4.20	4.00	5.35	0.80
MRB 5671163 MR	56.00	71.10	6.30	5.90	7.55	1.20
MRB 6070742 MR	60.00	70.70	4.20	4.00	5.35	0.80
MRB 6075163 MR	60.00	75.10	6.30	5.90	7.55	1.20
MRB 6378163 MR	63.00	78.10	6.30	5.90	7.55	1.20
MRB 6580163 MR	65.00	80.10	6.30	5.90	7.55	1.20
MRB 7085163 MR	70.00	85.10	6.30	5.90	7.55	1.20
MRB 7590163 MR	75.00	90.10	6.30	5.90	7.55	1.20
MRB 8095163 MR	80.00	95.10	6.30	5.90	7.55	1.20
MRB 85100163 MR	85.00	100.10	6.30	5.90	7.55	1.20
MRB 90105163 MR	90.00	105.10	6.30	5.90	7.55	1.20
MRB 95110163 MR	95.00	110.10	6.30	5.90	7.55	1.20
MRB 100115163 MR	100.00	115.10	6.30	5.90	7.55	1.20
MRB 105120163 MR	105.00	120.10	6.30	5.90	7.55	1.20
MRB 110125163 MR	110.00	125.10	6.30	5.90	7.55	1.20
MRB 115130163 MR	115.00	130.10	6.30	5.90	7.55	1.20
MRB 120135163 MR	120.00	135.10	6.30	5.90	7.55	1.20
MRB 125140163 MR	125.00	140.10	6.30	5.90	7.55	1.20
MRB 130145163 MR	130.00	145.10	6.30	5.90	7.55	1.20
MRB 140155163 MR	140.00	155.10	6.30	5.90	7.55	1.20
MRB 150165163 MR	150.00	165.10	6.30	5.90	7.55	1.20
MRB 160175163 MR	160.00	175.10	6.30	5.90	7.55	1.20
MRB 170185163 MR	170.00	185.10	6.30	5.90	7.55	1.20
MRB 180195163 MR	180.00	195.10	6.30	5.90	7.55	1.20
MRB 190205163 MR	190.00	205.10	6.30	5.90	7.55	1.20
MRB 200220581 MR	200.00	220.50	8.10	7.60	10.25	2.00
MRB 210230581 MR	210.00	230.50	8.10	7.60	10.25	2.00
MRB 220240581 MR	220.00	240.50	8.10	7.60	10.25	2.00
MRB 230250581 MR	230.00	250.50	8.10	7.60	10.25	2.00
MRB 240260581 MR	240.00	260.50	8.10	7.60	10.25	2.00
MRB 250270581 MR	250.00	270.50	8.10	7.60	10.25	2.00

# Buffer Seals

METRIC SEALS

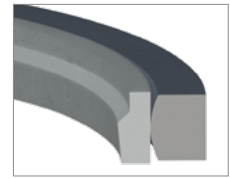
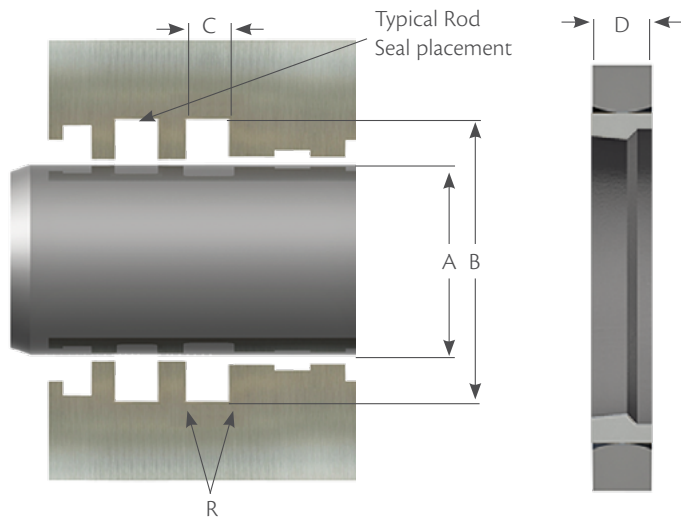
## MR Style



Part Number	A Shaft Diameter	B Groove Diameter	C Groove Width	D Height	Profile	R Gland Radius
MRB 26028481 MR	260.00	284.00	8.10	7.60	12.00	2.00
MRB 27029481 MR	270.00	294.00	8.10	7.60	12.00	2.00
MRB 29031481 MR	290.00	314.00	8.10	7.60	12.00	2.00
MRB 30032481 MR	300.00	324.00	8.10	7.60	12.00	2.00
MRB 32034481 MR	320.00	344.00	8.10	7.60	12.00	2.00
MRB 33035481 MR	330.00	354.00	8.10	7.60	12.00	2.00
MRB 36038481 MR	360.00	384.00	8.10	7.60	12.00	2.00
MRB 40042481 MR	400.00	424.00	8.10	7.60	12.00	2.00
MRB 41043481 MR	410.00	434.00	8.10	7.60	12.00	2.00
MRB 42044481 MR	420.00	444.00	8.10	7.60	12.00	2.00
MRB 43045481 MR	430.00	454.00	8.10	7.60	12.00	2.00
MRB 44046481 MR	440.00	464.00	8.10	7.60	12.00	2.00
MRB 46048481 MR	460.00	484.00	8.10	7.60	12.00	2.00
MRB 48050481 MR	480.00	504.00	8.10	7.60	12.00	2.00
MRB 50052481 MR	500.00	524.00	8.10	7.60	12.00	2.00
MRB 55057481 MR	550.00	574.00	8.10	7.60	12.00	2.00
MRB 56058481 MR	560.00	584.00	8.10	7.60	12.00	2.00
MRB 58060481 MR	580.00	604.00	8.10	7.60	12.00	2.00
MRB 60062481 MR	600.00	624.00	8.10	7.60	12.00	2.00
MRB 63065481 MR	630.00	654.00	8.10	7.60	12.00	2.00
MRB 64066481 MR	640.00	664.00	8.10	7.60	12.00	2.00
MRB 650677395 MR	650.00	677.30	9.50	8.70	13.65	2.00
MRB 670697395 MR	670.00	697.30	9.50	8.70	13.65	2.00
MRB 730757395 MR	730.00	757.30	9.50	8.70	13.65	2.00
MRB 750777395 MR	750.00	777.30	9.50	8.70	13.65	2.00
MRB 800827395 MR	800.00	827.30	9.50	8.70	13.65	2.00
MRB 850877395 MR	850.00	877.30	9.50	8.70	13.65	2.00
MRB 860887395 MR	860.00	887.30	9.50	8.70	13.65	2.00
MRB 890917395 MR	890.00	917.30	9.50	8.70	13.65	2.00

# Buffer Seals

S Style



The standard materials for S style buffer seals includes a molybdenum disulfide (MoS<sub>2</sub>) ring with a nitrile loader.

Buffer Seals

Part Number	A Shaft Diameter	B Groove Diameter	C Groove Width	D Height	Profile	R Gland Radius
MRB 035455 S	35.00	45.00	5.00	4.70	5.00	0.40
MRB 0405575 S	40.00	55.00	7.50	7.00	7.50	0.40
MRB 0506575 S	50.00	65.00	7.50	7.00	7.50	0.30
MRB 0607575 S	60.00	75.00	7.50	7.00	7.50	0.30
MRB 0708510 S	70.00	85.00	10.00	7.50	7.50	0.30
MRB 08010010 S	80.00	100.00	10.00	9.40	10.00	0.40
MRB 10012010 S	100.00	120.00	10.00	9.40	10.00	0.40
MRB 14016010 S	140.00	160.00	10.00	9.40	10.00	0.40
MRB 15017010 S	150.00	170.00	10.00	9.40	10.00	0.40
MRB 16018010 S	160.00	180.00	10.00	9.40	10.00	0.40
MRB 17519510 S	175.00	195.00	10.00	9.40	10.00	0.40
MRB 18020010 S	180.00	200.00	10.00	9.40	10.00	0.40
MRB 20022010 S	200.00	220.00	10.00	9.40	10.00	0.40
MRB 220245125 S	220.00	245.00	12.50	11.70	12.50	0.40
MRB 240265125 S	240.00	265.00	12.50	11.70	12.50	0.40
MRB 280305125 S	280.00	305.00	12.50	11.70	12.50	0.40
MRB 300325125 S	300.00	325.00	12.50	11.70	12.50	0.40
MRB 32035015 S	320.00	350.00	15.00	14.00	15.00	0.80
MRB 33036015 S	330.00	360.00	15.00	14.00	15.00	0.80
MRB 36039015 S	360.00	390.00	15.00	14.00	15.00	0.80
MRB 38041015 S	380.00	410.00	15.00	14.00	15.00	0.80
MRB 40043015 S	400.00	430.00	15.00	14.00	15.00	0.80
MRB 44047015 S	440.00	470.00	15.00	14.00	15.00	0.80
MRB 46049015 S	460.00	490.00	15.00	14.00	15.00	0.80
MRB 540575175 S	540.00	575.00	17.50	16.40	17.50	0.80
MRB 650685175 S	650.00	685.00	17.50	16.40	17.50	1.20
MRB 80084020 S	800.00	840.00	20.00	18.70	20.00	1.20
MRB 82086020 S	820.00	860.00	20.00	18.70	20.00	1.20
MRB 85089020 S	850.00	890.00	20.00	18.70	20.00	1.20