








Large Seals	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
Model 26 	<ul style="list-style-type: none"> General purpose seal Solid or split design Reverse bevel lip design prevents lip rollover Reinforced rubber O.D. Single and dual lip configurations available 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	0.750 to 60.000 (19.0 to 1524.0)	5,000 f/m (25.4 m/s)	Molded-in stainless steel finger	0.015 @ 1,000 (0.38 @ 5.10) 0.010 @ 2,000 (0.25 @ 10.20) 0.008 @ 5,000 (0.20 @ 25.40)	To 7 psi (0.4 bar) (N/A if split)
Model 26R1 	<ul style="list-style-type: none"> General purpose dual lip seal Reverse bevel lip design prevents lip rollover 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	0.750 to 60.000 (19.05 to 1524.0)	5,000 f/m (25.4 m/s)	Molded-in stainless steel finger	0.015 @ 1,000 (0.38 @ 5.10) 0.010 @ 2,000 (0.25 @ 10.20) 0.008 @ 5,000 (0.20 @ 25.40)	To 7 psi (0.4 bar) (N/A if split)
Model 59 	<ul style="list-style-type: none"> Severe service assembled seal Heavy duty outer case Reverse bevel lip design prevents lip rollover Aggressive shaft-to-bore misalignment capability 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	6.000 to 90.000 (152.4 to 2286.0)	5,000 f/m (25.4 m/s)	Molded-in stainless steel finger	0.090 (2.28)	To 7 psi (0.4 bar)
Model 59G1 	<ul style="list-style-type: none"> Severe service dual lip assembled seal GYLON® excluder lip for non-lubricated external conditions or corrosive external conditions 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	6.000 to 40.000 (152.4 to 1016.0)	2,500 f/m (12.8 m/s)	Molded-in stainless steel finger	0.010 (0.25)	To 7 psi (0.4 bar)
Model 64® 	<ul style="list-style-type: none"> Severe service assembled seal Heavy duty metal outer case Unique carrier/garter spring combination Industry's highest shaft-to-bore misalignment capability 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	8.000 to 90.000 (203.2 to 2286.0)	7,000 f/m (35.6 m/s)	Combination of stainless steel garter & stainless steel finger	0.125 @ 5,000 (3.18 @ 25.40) 0.093 @ 7,000 (2.36 @ 35.60)	To 7 psi (0.4 bar)
Model 64G1 	<ul style="list-style-type: none"> Severe service dual lip assembled seal GYLON® excluder lip for non-lubricated external conditions or corrosive external conditions 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	8.000 to 55.000 (203.20 to 1397.0)	3,500 f/m (17.9 m/s)	Carrier/garter combination	0.010 (0.25)	To 7 psi (0.4 bar)
Model 87 	<ul style="list-style-type: none"> Severe service seal Metal reinforced rubber O.D. Reverse bevel lip design prevents lip rollover Aggressive shaft-to-bore misalignment capability 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	6.000 to 48.000 (152.4 to 1219.2)	5,000 f/m (25.4 m/s)	Molded-in carbon steel garter	0.100 @ 2,500 (2.54 @ 12.70) 0.050 @ 5,000 (1.27 @ 25.40)	To 7 psi (0.4 bar)
Model 88 	<ul style="list-style-type: none"> Severe service seal Aggressive shaft-to-bore misalignment capability Metal reinforced rubber OD for positive bore retention 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	6.000 to 48.000 (152.4 to 1219.2)	5,000 f/m (15.2 m/s)	Molded-in carbon steel garter	0.050 @ 2,500 (1.27 @ 12.70) 0.025 @ 5000 (0.64 @ 25.40)	To 7 psi (0.4 bar)









Most designs available without spring.
 Most designs available in silicone and other materials.

Oil Seals PRODUCT INFORMATION

Small Seals	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
Model 53 	<ul style="list-style-type: none"> General purpose assembled seal Heavy-duty metal outer case Single and dual lip configurations available 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 90.000 (76.2 to 2286.0)	3,000 f/m (15.2 m/s)	Stainless steel finger	0.015 @ 1,000 (0.38 @ 5.10) 0.010 @ 2,000 (0.25 @ 10.20) 0.005 @ 3,000 (0.13 @ 15.20)	To 7 psi (0.4 bar)
Model 53G1 	<ul style="list-style-type: none"> General purpose dual lip seal GYLON® excluder lip for non-lubricated external conditions or corrosive external conditions 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 40.000 (76.2 to 1016.0)	1,500 f/m (7.6 m/s)	Stainless steel finger	0.010 @ 1,500 (0.25 @ 7.60)	To 7 psi (0.4 bar)
Model 53R1 	<ul style="list-style-type: none"> General purpose dual lip seal Dual lips oppose for exclusion and retention Spring in one element only 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 15.000 (76.2 to 381.0)	2,000 f/m (10.2 m/s)	Stainless steel finger	0.015 @ 1,000 (0.38 @ 5.10) 0.10 @ 2,000 (0.25 @ 10.20)	To 7 psi (0.4 bar)
Model 53R2 	<ul style="list-style-type: none"> General purpose dual lip seal Dual lips oppose for exclusion and retention Spring in both elements 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 15.000 (76.2 to 381.0)	1,000 f/m (5.1 m/s)	Stainless steel finger	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	To 7 psi (0.4 bar)
Model 53TB 	<ul style="list-style-type: none"> General purpose dual lip seal Lips set in tandem configuration Spring in both elements Carbon steel clamp 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 15.000 (76.2 to 381.0)	1,000 f/m (5.1 m/s)	Stainless steel finger	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	To 7 psi (0.4 bar)
Model 53TF 	<ul style="list-style-type: none"> General purpose dual lip seal Lips set in tandem configuration Spring in front element Carbon steel clamp 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 15.000 (76.2 to 381.0)	1,000 f/m (5.1 m/s)	Stainless steel finger	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	To 7 psi (0.4 bar)
Model 53T2 	<ul style="list-style-type: none"> General purpose dual lip seal Lips set in tandem configuration Spring in both elements Carbon steel clamp 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 15.000 (76.2 to 381.0)	1,000 f/m (5.1 m/s)	Stainless steel finger	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	To 7 psi (0.4 bar)
Model 53F1 	<ul style="list-style-type: none"> General purpose dual lip seal Heavy-duty metal outer case Felt excluder 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 15.000 (76.2 to 381.0)	1,000 f/m (5.1 m/s)	Stainless steel finger	0.010 @ 1,000 (0.25 @ 5.10)	To 7 psi (0.4 bar)
Model 63 	<ul style="list-style-type: none"> General purpose assembled seal Heavy-duty metal outer case Stainless steel finger spring Single and dual lip configurations available 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	0.250 to 3.000 (6.4 to 76.2)	3,000 f/m (15.2 m/s)	Stainless steel finger	0.015 @ 1,000 (0.38 @ 5.10) 0.010 @ 2,000 (0.25 @ 10.20) 0.005 @ 3,000 (0.13 @ 15.20)	To 7 psi (0.4 bar)

Most designs available without spring.
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Small Seals	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
Model 63G1 	<ul style="list-style-type: none"> General purpose dual lip seal GYLON® excluder lip for non-lubricated external conditions or corrosive external conditions 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	0.250 to 3.000 (6.4 to 76.2)	1,500 f/m (7.6 m/s)	Stainless steel finger	0.010 (1,500) (0.25 @ 7.60)	To 7 psi (0.4 bar)
Model 63R1 	<ul style="list-style-type: none"> General purpose dual lip seal Dual lips oppose for exclusion and retention Spring in one element only 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	0.250 to 3.000 (6.4 to 76.2)	1,000 f/m (10.2 m/s)	Stainless steel finger	0.015 @ 1,000 (0.38 @ 5.10) 0.10 @ 2,000 (0.25 @ 10.20)	To 7 psi (0.4 bar)
Model 63R2 	<ul style="list-style-type: none"> General purpose dual lip seal Dual lips oppose for exclusion and retention Spring in both elements 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	0.250 to 3.000 (6.4 to 76.2)	1,000 f/m (5.1 m/s)	Stainless steel finger	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	To 7 psi (0.4 bar)
Model 63TB 	<ul style="list-style-type: none"> General purpose dual lip seal Non-sprung front lip serves as a baffle Lips set in tandem configuration 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	0.250 to 3.000 (6.4 to 76.2)	1,000 f/m (5.1 m/s)	Stainless steel finger	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	To 7 psi (0.4 bar)
Model 63TF 	<ul style="list-style-type: none"> General purpose dual lip seal Non-sprung back lip serves as a baffle Lips set in tandem configuration 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	0.250 to 3.000 (6.4 to 76.2)	1,000 f/m (5.1 m/s)	Stainless steel finger	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	To 7 psi (0.4 bar)
Model 63T2 	<ul style="list-style-type: none"> General purpose dual lip seal Lips set in tandem configuration Spring in both elements Carbon steel clamp 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	0.250 to 3.000 (6.4 to 76.2)	1,000 f/m (5.1 m/s)	Stainless steel finger	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	To 7 psi (0.4 bar)
Model 63F1 	<ul style="list-style-type: none"> General purpose dual lip seal Felt excluder 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	<ul style="list-style-type: none"> -40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C) 	0.250 to 3.000 (6.4 to 76.2)	1,000 f/m (5.1 m/s)	Stainless steel finger	0.010 @ 1,000 (0.25 @ 5.10)	To 7 psi (0.4 bar)

Small Seals Bonded Seals	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
Model 71 	<ul style="list-style-type: none"> General purpose bonded seal No spring Ideal for grease retention or contamination exclusion 	<ul style="list-style-type: none"> Nitrile Fluoroelastomer 	-40°F (-40°C) to 200°F (93°C) -22°F (-30°C) to 400°F (204°C)	0.250 to 7.250 (6.3 to 184.1)	1,000 f/m (5.1 m/s)	N/A	0.005 @ 1000 (0.13 @ 5.10)	To 7 psi (0.4 bar)
Model 76 	<ul style="list-style-type: none"> Special purpose bonded seal Metal outer case Garter spring construction 	<ul style="list-style-type: none"> Nitrile Fluoroelastomer 	-40°F (-40°C) to 200°F (93°C) -22°F (-30°C) to 400°F (204°C)	0.250 to 8.000 (6.3 to 203.2)	3,000 f/m (15.2 m/s)	Carbon steel garter	0.015 @ 1,000 (0.38 @ 5.10) 0.010 @ 2,000 (0.25 @ 10.20) 0.005 @ 3,000 (0.13 @ 15.20)	To 7 psi (0.4 bar)
Model 91 	<ul style="list-style-type: none"> General purpose bonded seal No spring Ideal for grease retention or contamination exclusion 	<ul style="list-style-type: none"> Nitrile Fluoroelastomer 	-40°F (-40°C) to 200°F (93°C) -22°F (-30°C) to 400°F (204°C)	0.281 to 5.000 (7.1 to 127.0)	1,000 f/m (5.1 m/s)	N/A	0.005 @ 1,000 (0.13 @ 5.10)	To 7 psi (0.4 bar)
Model 92 	<ul style="list-style-type: none"> General purpose bonded seal Metal reinforced rubber OD Garter spring construction 	<ul style="list-style-type: none"> Nitrile Fluoroelastomer 	-40°F (-40°C) to 200°F (93°C) -22°F (-30°C) to 400°F (204°C)	0.250 to 12.500 (6.4 to 317.5)	3,000 f/m (5.1 m/s)	Carbon steel garter	0.015 @ 1,000 (0.38 @ 5.10) 0.010 @ 2,000 (0.25 @ 10.20) 0.005 @ 3,000 (0.13 @ 15.20)	To 7 psi (0.4 bar)
Model 94 	<ul style="list-style-type: none"> General purpose bonded seal Metal reinforced rubber OD Dual lip design Garter spring construction 	<ul style="list-style-type: none"> Nitrile Fluoroelastomer 	-40°F (-40°C) to 200°F (93°C) -22°F (-30°C) to 400°F (204°C)	0.438 to 7.375 (11.1 to 187.3)	3,000 f/m (15.2 m/s)	Carbon steel garter	0.015 @ 1,000 (0.38 @ 5.10) 0.010 @ 2,000 (0.25 @ 10.20) 0.005 @ 3,000 (0.13 @ 15.20)	To 7 psi (0.4 bar)
Split Seals	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
Model 21 	<ul style="list-style-type: none"> General purpose split seal Low-speed service Cover plate required 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 42.000 (76.2 to 1066.8)	1,000 f/m (5.1 m/s)	Molded-in stainless steel finger	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	N/A
Model 23 	<ul style="list-style-type: none"> General service split seal Cover plate required Over 300,000 sizes readily available 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 (76.2) and up	2,000 f/m (10.2 m/s)	Molded-in stainless steel finger	0.010 @ 1,000 (0.25 @ 5.10) 0.005 @ 2,000 (0.13 @ 10.20)	N/A
Model 24 	<ul style="list-style-type: none"> Special purpose split seal for tapered housing grooves Low-speed service Tapered O.D. 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 21.500 (76.2 to 546.1)	1,000 f/m (5.1 m/s)	Molded-in stainless steel finger	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	N/A
Model 25 	<ul style="list-style-type: none"> PTFE split seal Low-speed service Excellent chemical resistance Cover plate required 	<ul style="list-style-type: none"> PTFE 	-120°F (-85°C) to 400°F (205°C)	3.000 to 20.000 (76.2 to 508.0)	1,000 f/m (5.1 m/s)	Carbon steel garter	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	N/A







Split Seals	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
Model 26 	<ul style="list-style-type: none"> General purpose seal Solid or split design Reverse bevel lip design prevents lip rollover Reinforced rubber O.D. Single and dual lip configurations available 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	0.750 to 60.000 (19.0 to 1524.0)	5,000 f/m (25.4 m/s)	Molded-in stainless steel finger	0.015 @ 1,000 (0.38 @ 5.10) 0.010 @ 2,000 (0.25 @ 10.20) 0.008 @ 5,000 (0.20 @ 25.40)	To 7 psi (0.4 bar) (N/A if split)
Model 26R1 	<ul style="list-style-type: none"> General purpose dual lip seal Reverse bevel lip design prevents lip rollover 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	0.750 to 60.000 (19.05 to 1524.0)	5,000 f/m (25.4 m/s)	Molded-in stainless steel finger	0.015 @ 1,000 (0.38 @ 5.10) 0.010 @ 2,000 (0.25 @ 10.20) 0.008 @ 5,000 (0.20 @ 25.40)	To 7 psi (0.4 bar) (N/A if split)
Excluder Seals	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
Model 143 	<ul style="list-style-type: none"> Face-type excluder seal† Split design High-speed service Stainless steel clamp 	<ul style="list-style-type: none"> Nitrile MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	6.000 to 80.000 (152.4 to 2032.0)	5,000 f/m (25.4 m/s)	N/A	N/A	N/A
Model 145A 	<ul style="list-style-type: none"> Face-type excluder seal Flexible sealing lip provides continuous contact with perpendicular surfaces 	<ul style="list-style-type: none"> Nitrile Fluoroelastomer 	-40°F (-40°C) to 200°F (93°C) -22°F (-30°C) to 400°F (204°C)	0.110 to 8.272 (2.8 to 210.1)	2,500 f/m (12.8 m/s)	N/A	N/A	N/A
Model 145A1 	<ul style="list-style-type: none"> Face-type excluder seal Solid design High-speed service Designed for 2.000 ±0.500" (50.8 ±12.7 mm) assembled width 	<ul style="list-style-type: none"> Nitrile MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	17.000 to 80.000 (431.8 to 2032.0)	5,000 f/m (25.4 m/s)	Stainless steel garter	N/A	N/A
Model 145A2 	<ul style="list-style-type: none"> Face-type excluder seal Solid design High-speed service Designed for 0.781 ±0.156" (19.8 ±3.9 mm) assembled width 	<ul style="list-style-type: none"> Nitrile MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	7.000 to 80.000 (177.8 to 2032.0)	5,000 f/m (25.4 m/s)	Stainless steel garter	N/A	N/A
Model 145L 	<ul style="list-style-type: none"> Face-type excluder seal Flexible sealing lip provides continuous contact with perpendicular surfaces 	<ul style="list-style-type: none"> Nitrile Fluoroelastomer 	-40°F (-40°C) to 200°F (93°C) -22°F (-30°C) to 400°F (204°C)	5.320 to 18.700 (135.1 to 474.9)	2,500 f/m (12.8 m/s)	N/A	N/A	N/A
Model 145S 	<ul style="list-style-type: none"> Face-type excluder seal Flexible sealing lip provides continuous contact with perpendicular surfaces 	<ul style="list-style-type: none"> Nitrile Fluoroelastomer 	-40°F (-40°C) to 200°F (93°C) -22°F (-30°C) to 400°F (204°C)	0.181 to 8.272 (4.6 to 210.1)	2,500 f/m (12.8 m/s)	N/A	N/A	N/A

Most designs available without spring.
 Most designs available in silicone and other materials.
 † Not recommended for rotating application (Seal should not rotate)

External Seals	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
Model 26E 	<ul style="list-style-type: none"> • General purpose external seal • Solid design • Reverse bevel lip design prevents lip rollover • Reinforced rubber OD 	<ul style="list-style-type: none"> • MILL-RIGHT® N • MILL-RIGHT® ES • MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	1.000 to 60.000 (25.4 to 1524)	5,000 f/m (25.4 m/s)	Stainless steel finger	0.015 @ 1,000 (0.38 @ 5.10) 0.010 @ 2,000 (0.25 @ 10.20) 0.008 @ 5,000 (0.20 @ 25.40)	To 7 psi (0.4 bar)
Model 111 	<ul style="list-style-type: none"> • Heavy-duty metal outer case • Low speed service • Assembled design 	<ul style="list-style-type: none"> • MILL-RIGHT® N • MILL-RIGHT® ES • MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 50.000 (76.2 to 1270)*	1,000 f/m (5.1 m/s)	Stainless steel finger	0.010 @ 500 (0.25 @ 2.50) 0.005 @ 1,000 (0.13 @ 5.10)	To 7 psi (0.4 bar)
Model 113 	<ul style="list-style-type: none"> • Heavy-duty metal outer case • Assembled design 	<ul style="list-style-type: none"> • MILL-RIGHT® N • MILL-RIGHT® ES • MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	3.000 to 50.000 (76.2 to 1270)*	3,000 f/m (15.2 m/s)	Stainless steel finger	0.020 @ 1,000 (0.50 @ 5.10) 0.10 @ 2,000 (0.25 @ 10.20) 0.005 @ 3,000 (0.13 @ 15.20)	To 7 psi (0.4 bar)
Model 123 	<ul style="list-style-type: none"> • Heavy-duty metal outer case • Assembled design 	<ul style="list-style-type: none"> • MILL-RIGHT® N • MILL-RIGHT® ES • MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	1.156 to 50.000 (29.4 to 1270)	3,000 f/m (15.2 m/s)	Stainless steel finger	0.020 @ 1,000 (0.50 @ 5.10) 0.10 @ 2,000 (0.25 @ 10.20) 0.005 @ 3,000 (0.13 @ 15.20)	To 7 psi (0.4 bar)
Specialty Seals	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
P/S®-I Single Lip 	<ul style="list-style-type: none"> • General purpose assembled seal for high pressure applications • GYLON® element offers excellent chemical resistance • Dry running up to 700 fpm (3.5 m/s) 	<ul style="list-style-type: none"> • GYLON® • FDA GYLON® 	-40°F (-40°C) to 400°F (204°C)	0.438 to 20.000 (11.1 to 508.0) max seal O.D.	2,000 f/m (10.2 m/s)	N/A	0.005 @ 2000 (0.13 @ 10.20)	150 psi (10 bar)
P/S®-I Single Lip Reverse 	<ul style="list-style-type: none"> • General purpose assembled seal for high pressure applications • GYLON® element offers excellent chemical resistance • Dry running up to 700 fpm (3.5 m/s) 	<ul style="list-style-type: none"> • GYLON® • FDA GYLON® 	-40°F (-40°C) to 400°F (204°C)	0.438 to 20.000 (11.1 to 508.0) max seal O.D.	2,000 f/m (10.2 m/s)	N/A	0.005 @ 2000 (0.13 @ 10.20)	150 psi (10 bar)
P/S®-I Dual Opposed 	<ul style="list-style-type: none"> • General purpose assembled seal for high pressure applications • GYLON® element offers excellent chemical resistance • Dry running up to 700 fpm (3.5 m/s) 	<ul style="list-style-type: none"> • GYLON® • FDA GYLON® 	-40°F (-40°C) to 400°F (204°C)	0.438 to 20.000 (11.1 to 508.0) max seal O.D.	2,000 f/m (10.2 m/s)	N/A	0.005 @ 2000 (0.13 @ 10.20)	150 psi (10 bar)
P/S®-I Dual Tandem 	<ul style="list-style-type: none"> • General purpose assembled seal for high pressure applications • GYLON® element offers excellent chemical resistance • Dry running up to 700 fpm (3.5 m/s) 	<ul style="list-style-type: none"> • GYLON® • FDA GYLON® 	-40°F (-40°C) to 400°F (204°C)	0.438 to 20.000 (11.1 to 508.0) max seal O.D.	2,000 f/m (10.2 m/s)	N/A	0.005 @ 2000 (0.13 @ 10.20)	150 psi (10 bar)

* Most designs available without spring.

* Most designs available in silicone and other materials.

Specialty Seals	Features	Materials	Temperature	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
Model 26HR 	<ul style="list-style-type: none"> General purpose seal for high misalignment applications Low-speed service Increased misalignment capability over standard 26 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	1.000 to 5.000 (25.4 to 127.0)	1,000 f/m (5.1 m/s)	Molded-in carbon steel garter	Application dependent	To 7 psi (0.4 bar)
Model 50 	<ul style="list-style-type: none"> General purpose seal Low-speed service Moderate pressure 	<ul style="list-style-type: none"> MILL-RIGHT® N 	-40°F (-40°C) to 200°F (93°C)	5.000 to 12.000 (127.0 to 304.8)	1,000 f/m (5.1 m/s)	Molded-in garter spring	0.010 (0.25)	To 35 psi (2.4 bar)
Model 54 	<ul style="list-style-type: none"> Special purpose assembled seal Excluder seal Designed for spherical bearing applications 	<ul style="list-style-type: none"> MILL-RIGHT® N 	-40°F (-40°C) to 200°F (93°C)	For spherical radii from 2.375 to 8.000 (60.33 to 203.2)	1,000 f/m (5.1 m/s)	Stainless steel finger	N/A	To 50 psi (3.4 bar)
Model 57 	<ul style="list-style-type: none"> General purpose seal Metal reinforced rubber O.D. Reverse bevel lip design prevents lip rollover Available in single & dual lip Ideal for slow-speed service applications (continuous casters) 	<ul style="list-style-type: none"> MILL-RIGHT® N MILL-RIGHT® ES MILL-RIGHT® V 	-40°F (-40°C) to 200°F (93°C) -40°F (-40°C) to 300°F (150°C) -22°F (-30°C) to 400°F (204°C)	2.000 to 12.000 (50.8 to 304.8)	500 f/m (2.5 m/s)	Molded-in stainless steel finger	0.015 @ 500 (0.38 @ 2.50)	To 7 psi (0.4 bar)
Model 58 	<ul style="list-style-type: none"> High-temp, general purpose assembled seal Stainless steel outer case THERMO-CERAM™ sealing element Ideal for abrasive environments Grease lubricated apps only 	<ul style="list-style-type: none"> THERMO-CERAM™ 	To 1600°F (871°C)	2.000 to 12.000 (50.8 to 304.8)	500 f/m (2.5 m/s)	N/A	0.015 @ 500 (0.38 @ 2.50)	Ambient
Model 62 	<ul style="list-style-type: none"> Assembled seal Solid design Low-speed service Excellent chemical resistance 	<ul style="list-style-type: none"> PTFE 	-120°F (-85°C) to 400°F (205°C)	0.437 to 20.000 (11.1 to 508.0) in max seal O.D.	2,000 f/m (10.2 m/s)	Carbon steel garter	0.005 @ 2,000 (0.13 @ 10.20)	To 7 psi (0.4 bar)

* Most designs available without spring.

* Most designs available in silicone and other materials.