

Large Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <p><b>Model 26</b></p>	<ul style="list-style-type: none"> <li>High-performance seal</li> <li>Solid or split design</li> <li>Reverse bevel lip design prevents lip rollover</li> <li>Reinforced rubber O.D.</li> <li>Single and dual lip configurations available</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.008 @ 5,000 (0.20 @ 25.4)	To 7 psi (0.4 bar) (N/A if split)
 <p><b>Model 26R1</b></p>	<ul style="list-style-type: none"> <li>High-performance dual lip seal</li> <li>Reverse bevel lip design prevents lip rollover</li> <li>Dust lip prevents ingress of light contaminants</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.008 @ 5,000 (0.20 @ 25.4)	To 7 psi (0.4 bar) (N/A if split)
 <p><b>Model 59</b></p>	<ul style="list-style-type: none"> <li>Severe service assembled seal</li> <li>Heavy duty outer case</li> <li>Reverse bevel lip design prevents lip rollover</li> <li>Aggressive shaft-to-bore misalignment capability</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 70.000 (152.4 to 1778.0)	5,000 f/m (25.4 m/s)	Molded-in stainless steel finger	0.093 @ 2,500 (2.36 @ 12.7) 0.047 @ 5,000 (1.19 @ 25.4)	To 7 psi (0.4 bar)
 <p><b>Model 59G1</b></p>	<ul style="list-style-type: none"> <li>Severe service dual lip assembled seal</li> <li>GYLON® excluder lip for non-lubricated external conditions or corrosive external conditions</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 (12.7 m/s)	Molded-in stainless steel finger	0.010 @ 2,500 (0.25 @ 12.7)	To 7 psi (0.4 bar)
 <p><b>Model 64®</b></p>	<ul style="list-style-type: none"> <li>Severe service assembled seal</li> <li>Heavy duty metal outer case</li> <li>Unique carrier/garter spring combination</li> <li>Industry's highest shaft-to-bore misalignment capability</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 74.409 (203.2 to 1890.0)	7,000 f/m (35.6 m/s)	Combination of stainless steel garter & stainless steel finger	0.125 @ 5,000 (3.18 @ 25.4) 0.093 @ 7,000 (2.36 @ 35.6)	To 7 psi (0.4 bar)
 <p><b>Model 64G1</b></p>	<ul style="list-style-type: none"> <li>Severe service dual lip assembled seal</li> <li>GYLON® excluder lip for non-lubricated external conditions or corrosive external conditions</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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)	Combination of stainless steel garter & stainless steel finger	0.010 @ 3,500 (0.25 @ 17.9)	To 7 psi (0.4 bar)
 <p><b>Model 87</b></p>	<ul style="list-style-type: none"> <li>Severe service seal</li> <li>Metal reinforced rubber O.D.</li> <li>Reverse bevel lip design prevents lip rollover</li> <li>Aggressive shaft-to-bore misalignment capability</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 12.7) 0.050 @ 5,000 (1.27 @ 25.4)	To 7 psi (0.4 bar)
 <p><b>Model 88</b></p>	<ul style="list-style-type: none"> <li>Severe service seal</li> <li>Aggressive shaft-to-bore misalignment capability</li> <li>Metal reinforced rubber OD for positive bore retention</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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	0.050 @ 2,500 (1.27 @ 12.7) 0.025 @ 5000 (0.64 @ 25.4)	To 7 psi (0.4 bar)
 <p><b>Model 151</b></p>	<ul style="list-style-type: none"> <li>General service seal</li> <li>Solid or split design</li> <li>Reinforced rubber OD</li> <li>Coverplate required</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Hydrogenated Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 & up (25.4 & up)	2,000 f/m (10.2 m/s)	Carbon steel garter spring (NBR & HNBR) Stainless steel garter spring (FKM)	0.010 @ 2,000 (0.25 @ 10.2)	To 7 psi (0.4 bar) (N/A if split)

Large Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <p><b>Model 154</b></p> <ul style="list-style-type: none"> <li>General service seal</li> <li>Solid or split design</li> <li>Reinforced rubber OD</li> <li>Reverse bevel lip design prevents lip roll over</li> <li>Coverplate required</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Hydrogenated Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 & up (25.4 & up)	3,000 f/m (15.2 m/s)	Carbon steel garter spring (NBR & HNBR) Stainless steel garter spring (FKM)	0.010 @ 3,000 (0.25 @ 15.2)	To 7 psi (0.4 bar) (N/A if split)	
 <p><b>Model 154R1</b></p> <ul style="list-style-type: none"> <li>General service dual lip seal</li> <li>Solid or split design</li> <li>Reinforced rubber OD</li> <li>Reverse bevel lip design prevents lip roll over</li> <li>Dust lip prevents ingress of light contaminants</li> <li>Coverplate required</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Hydrogenated Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 & up (76.2 & up)	3,000 f/m (15.2 m/s)	Carbon steel garter spring (NBR & HNBR) Stainless steel garter spring (FKM)	0.010 @ 3,000 (0.25 @ 15.2)	To 7 psi (0.4 bar) (N/A if split)	
 <p><b>Model 154M</b></p> <ul style="list-style-type: none"> <li>General service seal</li> <li>Metal-reinforced rubber OD eliminates need for cover plate</li> <li>Excels in environments where corrosion is typically a problem</li> <li>Reverse bevel lip design prevents lip roll over</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Hydrogenated Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 & up (76.2 & up)	3,000 f/m (15.2 m/s)	Carbon steel garter spring (NBR & HNBR) Stainless steel garter spring (FKM)	0.020 @ 1,000 (0.51 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.005 @ 3,000 (0.13 @ 15.2)	To 7 psi (0.4 bar)	

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

Small Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <p><b>Model 53</b></p> <ul style="list-style-type: none"> <li>General purpose assembled seal</li> <li>Heavy-duty metal outer case</li> <li>Single and dual lip configurations available</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 60.000 (76.2 to 1524.0)	3,000 f/m (15.2 m/s)	Stainless steel finger	0.015 @ 1,000 (0.38 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.005 @ 3,000 (0.13 @ 15.2)	To 7 psi (0.4 bar)	
 <p><b>Model 53G1</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>GYLON® excluder lip for non-lubricated external conditions or corrosive external conditions</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 7.6)	To 7 psi (0.4 bar)	
 <p><b>Model 53R1</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Dual lips oppose for exclusion and retention</li> <li>Spring in one element only</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2)	To 7 psi (0.4 bar)	
 <p><b>Model 53R2</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Dual lips oppose for exclusion and retention</li> <li>Spring in both elements</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 2.5) 0.005 @ 1,000 (0.13 @ 5.1)	To 7 psi (0.4 bar)	
 <p><b>Model 53TB</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Lips set in tandem configuration</li> <li>Spring in back element</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 2.5) 0.005 @ 1,000 (0.13 @ 5.1)	To 7 psi (0.4 bar)	

Small Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <p><b>Model 53TF</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Lips set in tandem configuration</li> <li>Spring in one element</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	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 @ 2.5) 0.005 @ 1,000 (0.13 @ 5.1)	To 7 psi (0.4 bar)	
 <p><b>Model 53T2</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Lips set in tandem configuration</li> <li>Spring in both elements</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	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 @ 2.5) 0.005 @ 1,000 (0.13 @ 5.1)	To 7 psi (0.4 bar)	
 <p><b>Model 53F1</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Heavy-duty metal outer case</li> <li>Felt excuder</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	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 @ 5.1)	To 7 psi (0.4 bar)	
 <p><b>Model 63</b></p> <ul style="list-style-type: none"> <li>General purpose assembled seal</li> <li>Heavy-duty metal outer case</li> <li>Single and dual lip configurations available</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	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 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.005 @ 3,000 (0.13 @ 15.2)	To 7 psi (0.4 bar)	
 <p><b>Model 63G1</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>GYLON® excuder lip for non-lubricated external conditions or corrosive external conditions</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	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 @ 7.6)	To 7 psi (0.4 bar)	
 <p><b>Model 63R1</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Dual lips oppose for exclusion and retention</li> <li>Spring in one element only</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	0.250 to 3.000 (6.4 to 76.2)	2,000 f/m (10.2 m/s)	Stainless steel finger	0.015 @ 1,000 (0.38 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2)	To 7 psi (0.4 bar)	
 <p><b>Model 63R2</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Dual lips oppose for exclusion and retention</li> <li>Spring in both elements</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	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 @ 2.5) 0.005 @ 1,000 (0.13 @ 5.1)	To 7 psi (0.4 bar)	
 <p><b>Model 63TB</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Non-sprung front lip serves as a baffle</li> <li>Lips set in tandem configuration</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	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 @ 2.5) 0.005 @ 1,000 (0.13 @ 5.1)	To 7 psi (0.4 bar)	
 <p><b>Model 63TF</b></p> <ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Non-sprung back lip serves as a baffle</li> <li>Lips set in tandem configuration</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	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 @ 2.5) 0.005 @ 1,000 (0.13 @ 5.1)	To 7 psi (0.4 bar)	

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 <b>Model 63T2</b>	<ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Lips set in tandem configuration</li> <li>Spring in both elements</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 2.5) 0.005 @ 1,000 (0.13 @ 5.1)	To 7 psi (0.4 bar)
 <b>Model 63F1</b>	<ul style="list-style-type: none"> <li>General purpose dual lip seal</li> <li>Felt excuder</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 5.1)	To 7 psi (0.4 bar)

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

Small Seals Bonded Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <b>Model 3</b>	<ul style="list-style-type: none"> <li>General purpose bonded seal</li> <li>Metal outer case</li> <li>Dual lip design</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.005 @ 3,000 (0.13 @ 15.2)	To 7 psi (0.4 bar)
 <b>Model 71</b>	<ul style="list-style-type: none"> <li>General purpose bonded seal</li> <li>No spring</li> <li>Ideal for grease retention or contamination exclusion</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 @ 5.1)	To 7 psi (0.4 bar)
 <b>Model 76</b>	<ul style="list-style-type: none"> <li>General purpose bonded seal</li> <li>Metal outer case</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.005 @ 3,000 (0.13 @ 15.2)	To 7 psi (0.4 bar)
 <b>Model 91</b>	<ul style="list-style-type: none"> <li>General purpose bonded seal</li> <li>No spring</li> <li>Ideal for grease retention or contamination exclusion</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 @ 5.1)	To 7 psi (0.4 bar)
 <b>Model 92</b>	<ul style="list-style-type: none"> <li>General purpose bonded seal</li> <li>Metal reinforced rubber OD</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 (15.2 m/s)	Carbon steel garter	0.015 @ 1,000 (0.38 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.005 @ 3,000 (0.13 @ 15.2)	To 7 psi (0.4 bar)
 <b>Model 94</b>	<ul style="list-style-type: none"> <li>General purpose bonded seal</li> <li>Metal reinforced rubber OD</li> <li>Dual lip design</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.005 @ 3,000 (0.13 @ 15.2)	To 7 psi (0.4 bar)

Small Seals Bonded Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
<b>Model TA,TB,TM</b>	<ul style="list-style-type: none"> <li>Bonded seal</li> <li>Metal outer case</li> <li>Dual lip design</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.005 @ 3,000 (0.13 @ 15.2)	To 7 psi (0.4 bar)
<b>Model VA,VB,VM</b>	<ul style="list-style-type: none"> <li>Bonded seal</li> <li>Metal outer case</li> <li>No spring</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 @ 5.1)	To 7 psi (0.4 bar)
<b>Model SB,SM</b>	<ul style="list-style-type: none"> <li>Bonded seal</li> <li>Metal outer case</li> <li>Single spring loaded lip</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.005 @ 3,000 (0.13 @ 15.2)	To 7 psi (0.4 bar)
<b>Model VC</b>	<ul style="list-style-type: none"> <li>Bonded seal</li> <li>Metal reinforced rubber OD</li> <li>No spring</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 @ 5.1)	To 7 psi (0.4 bar)
<b>Model SC,SF</b>	<ul style="list-style-type: none"> <li>Bonded seal</li> <li>Metal outer case</li> <li>Single spring loaded lip</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 (15.2 m/s)	Carbon steel garter	0.015 @ 1,000 (0.38 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.005 @ 3,000 (0.13 @ 15.2)	To 7 psi (0.4 bar)
<b>Model TC</b>	<ul style="list-style-type: none"> <li>Bonded seal</li> <li>Metal reinforced rubber OD</li> <li>Dual lip design</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.005 @ 3,000 (0.13 @ 15.2)	To 7 psi (0.4 bar)

Split Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <b>Model 21</b>	<ul style="list-style-type: none"> <li>General purpose split seal</li> <li>Low-speed service</li> <li>Cover plate required</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 2.5) 0.005 @ 1,000 (0.13 @ 5.1)	N/A
 <b>Model 23</b>	<ul style="list-style-type: none"> <li>General service split seal</li> <li>Cover plate required</li> <li>Over 300,000 sizes readily available</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 5.1) 0.005 @ 2,000 (0.13 @ 10.2)	N/A
 <b>Model 24</b>	<ul style="list-style-type: none"> <li>Special purpose split seal for tapered housing grooves</li> <li>Low-speed service</li> <li>Tapered O.D.</li> <li>Cover plate required</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 2.5) 0.005 @ 1,000 (0.13 @ 5.1)	N/A

Split Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <p><b>Model 25</b></p> <ul style="list-style-type: none"> <li>• PTFE split seal</li> <li>• Low-speed service</li> <li>• Excellent chemical resistance</li> <li>• Cover plate required</li> </ul>	<ul style="list-style-type: none"> <li>• PTFE</li> </ul>	<ul style="list-style-type: none"> <li>-120°F (-85°C) to 400°F (204°C)</li> </ul>	<ul style="list-style-type: none"> <li>3.000 to 20.000 (76.2 to 508.0)</li> </ul>	<ul style="list-style-type: none"> <li>1,000 f/m (5.1 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>Carbon steel garter</li> </ul>	<ul style="list-style-type: none"> <li>0.010 @ 500 (0.25 @ 5.1)</li> <li>0.005 @ 1,000 (0.13 @ 5.1)</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	
 <p><b>Model 26</b></p> <ul style="list-style-type: none"> <li>• High-performance seal</li> <li>• Solid or split design</li> <li>• Reverse bevel lip design prevents lip rollover</li> <li>• Reinforced rubber O.D.</li> <li>• Single and dual lip configurations available</li> <li>• Cover plate recommended for bore diameters over 10"</li> </ul>	<ul style="list-style-type: none"> <li>• MILL-RIGHT® N</li> <li>• MILL-RIGHT® ES</li> <li>• MILL-RIGHT® V</li> </ul>	<ul style="list-style-type: none"> <li>-40°F (-40°C) to 200°F (93°C)</li> <li>-40°F (-40°C) to 300°F (150°C)</li> <li>-22°F (-30°C) to 400°F (204°C)</li> </ul>	<ul style="list-style-type: none"> <li>0.750 to 60.000 (19.0 to 1524.0)</li> </ul>	<ul style="list-style-type: none"> <li>5,000 f/m (25.4 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>Molded-in stainless steel finger</li> </ul>	<ul style="list-style-type: none"> <li>0.015 @ 1,000 (0.38 @ 5.1)</li> <li>0.010 @ 2,000 (0.25 @ 10.2)</li> <li>0.008 @ 5,000 (0.20 @ 25.4)</li> </ul>	<ul style="list-style-type: none"> <li>To 7 psi (0.4 bar) (N/A if split)</li> </ul>	
 <p><b>Model 26R1</b></p> <ul style="list-style-type: none"> <li>• High-performance dual lip seal</li> <li>• Reverse bevel lip design prevents lip rollover</li> <li>• Dust lip prevents ingress of light contaminants</li> <li>• Cover plate recommended for bore diameters over 10"</li> </ul>	<ul style="list-style-type: none"> <li>• MILL-RIGHT® N</li> <li>• MILL-RIGHT® ES</li> <li>• MILL-RIGHT® V</li> </ul>	<ul style="list-style-type: none"> <li>-40°F (-40°C) to 200°F (93°C)</li> <li>-40°F (-40°C) to 300°F (150°C)</li> <li>-22°F (-30°C) to 400°F (204°C)</li> </ul>	<ul style="list-style-type: none"> <li>0.750 to 60.000 (19.05 to 1524.0)</li> </ul>	<ul style="list-style-type: none"> <li>5,000 f/m (25.4 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>Molded-in stainless steel finger</li> </ul>	<ul style="list-style-type: none"> <li>0.015 @ 1,000 (0.38 @ 5.1)</li> <li>0.010 @ 2,000 (0.25 @ 10.2)</li> <li>0.008 @ 5,000 (0.20 @ 25.4)</li> </ul>	<ul style="list-style-type: none"> <li>To 7 psi (0.4 bar) (N/A if split)</li> </ul>	
 <p><b>Model 151</b></p> <ul style="list-style-type: none"> <li>• General service seal</li> <li>• Solid or split design</li> <li>• Reinforced rubber OD</li> <li>• Cover plate required</li> </ul>	<ul style="list-style-type: none"> <li>• Nitrile</li> <li>• Hydrogenated Nitrile</li> <li>• Fluoroelastomer</li> </ul>	<ul style="list-style-type: none"> <li>-40°F (-40°C) to 200°F (93°C)</li> <li>-40°F (-40°C) to 300°F (150°C)</li> <li>-22°F (-30°C) to 400°F (204°C)</li> </ul>	<ul style="list-style-type: none"> <li>1.000 &amp; up (25.4 &amp; up)</li> </ul>	<ul style="list-style-type: none"> <li>2,000 f/m (10.2 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>Carbon steel garter spring (NBR &amp; HNBR)</li> <li>Stainless steel garter spring (FKM)</li> </ul>	<ul style="list-style-type: none"> <li>0.010 @ 2,000 (0.25 @ 10.2)</li> </ul>	<ul style="list-style-type: none"> <li>To 7 psi (0.4 bar) (N/A if split)</li> </ul>	
 <p><b>Model 154</b></p> <ul style="list-style-type: none"> <li>• General service seal</li> <li>• Solid or split design</li> <li>• Reinforced rubber OD</li> <li>• Reverse bevel lip design prevents lip roll over</li> <li>• Cover plate required</li> </ul>	<ul style="list-style-type: none"> <li>• Nitrile</li> <li>• Hydrogenated Nitrile</li> <li>• Fluoroelastomer</li> </ul>	<ul style="list-style-type: none"> <li>-40°F (-40°C) to 200°F (93°C)</li> <li>-40°F (-40°C) to 300°F (150°C)</li> <li>-22°F (-30°C) to 400°F (204°C)</li> </ul>	<ul style="list-style-type: none"> <li>1.000 &amp; up (25.4 &amp; up)</li> </ul>	<ul style="list-style-type: none"> <li>3,000 f/m (15.2 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>Carbon steel garter spring (NBR &amp; HNBR)</li> <li>Stainless steel garter spring (FKM)</li> </ul>	<ul style="list-style-type: none"> <li>0.010 @ 3,000 (0.25 @ 15.2)</li> </ul>	<ul style="list-style-type: none"> <li>To 7 psi (0.4 bar) (N/A if split)</li> </ul>	
 <p><b>Model 154R1</b></p> <ul style="list-style-type: none"> <li>• General service dual lip seal</li> <li>• Solid or split design</li> <li>• Reinforced rubber OD</li> <li>• Reverse bevel lip design prevents lip roll over</li> <li>• Dust lip prevents ingress of light contaminants</li> <li>• Cover plate required</li> </ul>	<ul style="list-style-type: none"> <li>• Nitrile</li> <li>• Hydrogenated Nitrile</li> <li>• Fluoroelastomer</li> </ul>	<ul style="list-style-type: none"> <li>-40°F (-40°C) to 200°F (93°C)</li> <li>-40°F (-40°C) to 300°F (150°C)</li> <li>-22°F (-30°C) to 400°F (204°C)</li> </ul>	<ul style="list-style-type: none"> <li>3.000 &amp; up (76.2 &amp; up)</li> </ul>	<ul style="list-style-type: none"> <li>3,000 f/m (15.2 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>Carbon steel garter spring (NBR &amp; HNBR)</li> <li>Stainless steel garter spring (FKM)</li> </ul>	<ul style="list-style-type: none"> <li>0.010 @ 3,000 (0.25 @ 15.2)</li> </ul>	<ul style="list-style-type: none"> <li>To 7 psi (0.4 bar) (N/A if split)</li> </ul>	

Excluder Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <p><b>Model 143A1</b></p> <ul style="list-style-type: none"> <li>• Face-type excluder seal†</li> <li>• Split design</li> <li>• High-speed service</li> <li>• Stainless steel clamp</li> <li>• Designed for 2.000 ±0.500" (50.8 ±12.7 mm) assembled width</li> </ul>	<ul style="list-style-type: none"> <li>• Nitrile</li> <li>• Hydrogenated Nitrile</li> <li>• Fluoroelastomer</li> </ul>	<ul style="list-style-type: none"> <li>-40°F (-40°C) to 200°F (93°C)</li> <li>-40°F (-40°C) to 300°F (150°C)</li> <li>-22°F (-30°C) to 400°F (204°C)</li> </ul>	<ul style="list-style-type: none"> <li>17.000 to 80.000 (431.8 to 2032.0)</li> </ul>	<ul style="list-style-type: none"> <li>5,000 f/m (25.4 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	
 <p><b>Model 143A2</b></p> <ul style="list-style-type: none"> <li>• Face-type excluder seal†</li> <li>• Split design</li> <li>• High-speed service</li> <li>• Designed for 0.781 ±0.156" (19.8 ±3.9 mm) assembled width</li> </ul>	<ul style="list-style-type: none"> <li>• Nitrile</li> <li>• Hydrogenated Nitrile</li> <li>• Fluoroelastomer</li> </ul>	<ul style="list-style-type: none"> <li>-40°F (-40°C) to 200°F (93°C)</li> <li>-40°F (-40°C) to 300°F (150°C)</li> <li>-22°F (-30°C) to 400°F (204°C)</li> </ul>	<ul style="list-style-type: none"> <li>6.000 to 80.000 (152.4 to 2032.0)</li> </ul>	<ul style="list-style-type: none"> <li>5,000 f/m (25.4 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	

Excluder Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <b>Model 144W1</b>	<ul style="list-style-type: none"> <li>Contoured lip face-type excluder seal†</li> <li>Split design</li> <li>Excels in environments with heavy contamination and wash down</li> <li>Designed for 1.500 (38.1mm) assembled width</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> </ul>	-40°F (-40°C) to 200°F (93°C)	17.000 to 75.500 (431.8 to 1917.7)	2,500 f/m (12.7 m/s)	N/A	N/A	N/A
 <b>Model 144W2</b>	<ul style="list-style-type: none"> <li>Contoured lip face-type excluder seal†</li> <li>Split design</li> <li>Excels in environments with heavy contamination and wash down</li> <li>Designed for 1.250 (31.8mm) assembled width</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> </ul>	-40°F (-40°C) to 200°F (93°C)	17.000 to 80.000 (431.8 to 2032.0)	2,500 f/m (12.7 m/s)	N/A	N/A	N/A
 <b>Model 145A</b>	<ul style="list-style-type: none"> <li>Face-type excluder seal</li> <li>Flexible sealing lip provides continuous contact with perpendicular surfaces</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 (12.7 m/s)	N/A	N/A	N/A
 <b>Model 145A1</b>	<ul style="list-style-type: none"> <li>Face-type excluder seal</li> <li>Solid design</li> <li>High-speed service</li> <li>Designed for 2.000 ±0.500" (50.8 ±12.7 mm) assembled width</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Hydrogenated Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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
 <b>Model 145A2</b>	<ul style="list-style-type: none"> <li>Face-type excluder seal</li> <li>Solid design</li> <li>High-speed service</li> <li>Designed for 0.781 ±0.156" (19.8 ±3.9 mm) assembled width</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Hydrogenated Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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
 <b>Model 145L</b>	<ul style="list-style-type: none"> <li>Face-type excluder seal</li> <li>Flexible sealing lip provides continuous contact with perpendicular surfaces</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 475.0)	2,500 f/m (12.7 m/s)	N/A	N/A	N/A
 <b>Model 145S</b>	<ul style="list-style-type: none"> <li>Face-type excluder seal</li> <li>Flexible sealing lip provides continuous contact with perpendicular surfaces</li> </ul>	<ul style="list-style-type: none"> <li>Nitrile</li> <li>Fluoroelastomer</li> </ul>	-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 (12.7 m/s)	N/A	N/A	N/A

† Not recommended for rotating application (Seal should not rotate)

External Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <b>Model 26E</b>	<ul style="list-style-type: none"> <li>General purpose external seal</li> <li>Solid design</li> <li>Reverse bevel lip design prevents lip rollover</li> <li>Reinforced rubber ID</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 1524.0)	5,000 f/m (25.4 m/s)	Stainless steel finger	0.015 @ 1,000 (0.38 @ 5.1) 0.010 @ 2,000 (0.25 @ 10.2) 0.008 @ 5,000 (0.20 @ 25.4)	To 7 psi (0.4 bar)

External Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <p><b>Model 111</b></p> <ul style="list-style-type: none"> <li>Heavy-duty metal case</li> <li>Low speed service</li> <li>Assembled design</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	<p>3.000 to 50.000 (76.2 to 1270.0)</p>	<p>1,000 f/m (5.1 m/s)</p>	<p>Stainless steel finger</p>	<p>0.010 @ 500 (0.25 @ 2.5)</p> <p>0.005 @ 1,000 (0.13 @ 5.1)</p>	<p>To 7 psi (0.4 bar)</p>	
 <p><b>Model 113</b></p> <ul style="list-style-type: none"> <li>Heavy-duty metal case</li> <li>Assembled design</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	<p>3.000 to 50.000 (76.2 to 1270.0)</p>	<p>3,000 f/m (15.2 m/s)</p>	<p>Stainless steel finger</p>	<p>0.020 @ 1,000 (0.50 @ 5.1)</p> <p>0.010 @ 2,000 (0.25 @ 10.2)</p> <p>0.005 @ 3,000 (0.13 @ 15.2)</p>	<p>To 7 psi (0.4 bar)</p>	
 <p><b>Model 123</b></p> <ul style="list-style-type: none"> <li>Heavy-duty metal case</li> <li>Assembled design</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	<p>-40°F (-40°C) to 200°F (93°C)</p> <p>-40°F (-40°C) to 300°F (150°C)</p> <p>-22°F (-30°C) to 400°F (204°C)</p>	<p>1.156 to 50.000 (29.4 to 1270.0)</p>	<p>3,000 f/m (15.2 m/s)</p>	<p>Stainless steel finger</p>	<p>0.020 @ 1,000 (0.50 @ 5.1)</p> <p>0.010 @ 2,000 (0.25 @ 10.2)</p> <p>0.005 @ 3,000 (0.13 @ 15.2)</p>	<p>To 7 psi (0.4 bar)</p>	

Specialty Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
 <p><b>P/S®-I Single Lip</b></p> <ul style="list-style-type: none"> <li>Assembled seal for high pressure applications</li> <li>GYLON® element offers excellent chemical resistance</li> <li>Dry running up to 800 fpm (3.5 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>GYLON®</li> <li>FDA GYLON®</li> </ul>	<p>-40°F (-40°C) to 400°F (204°C)</p>	<p>0.438 to 20.000 (11.1 to 508.0) max seal O.D.</p>	<p>2,000 f/m (10.2 m/s)</p>	<p>N/A</p>	<p>0.005 @ 2000 (0.13 @ 10.2)</p>	<p>To 150 psi (10 bar)</p>	
 <p><b>P/S®-I Single Lip Reverse</b></p> <ul style="list-style-type: none"> <li>Assembled seal for high pressure applications</li> <li>GYLON® element offers excellent chemical resistance</li> <li>Dry running up to 800 fpm (3.5 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>GYLON®</li> <li>FDA GYLON®</li> </ul>	<p>-40°F (-40°C) to 400°F (204°C)</p>	<p>0.438 to 20.000 (11.1 to 508.0) max seal O.D.</p>	<p>2,000 f/m (10.2 m/s)</p>	<p>N/A</p>	<p>0.005 @ 2000 (0.13 @ 10.2)</p>	<p>To 150 psi (10 bar)</p>	
 <p><b>P/S®-I Dual Opposed</b></p> <ul style="list-style-type: none"> <li>Assembled seal for high pressure applications</li> <li>GYLON® element offers excellent chemical resistance</li> <li>Dry running up to 800 fpm (3.5 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>GYLON®</li> <li>FDA GYLON®</li> </ul>	<p>-40°F (-40°C) to 400°F (204°C)</p>	<p>0.438 to 20.000 (11.1 to 508.0) max seal O.D.</p>	<p>2,000 f/m (10.2 m/s)</p>	<p>N/A</p>	<p>0.005 @ 2000 (0.13 @ 10.2)</p>	<p>To 150 psi (10 bar)</p>	
 <p><b>P/S®-I Dual Tandem</b></p> <ul style="list-style-type: none"> <li>Assembled seal for high pressure applications</li> <li>GYLON® element offers excellent chemical resistance</li> <li>Dry running up to 800 fpm (3.5 m/s)</li> </ul>	<ul style="list-style-type: none"> <li>GYLON®</li> <li>FDA GYLON®</li> </ul>	<p>-40°F (-40°C) to 400°F (204°C)</p>	<p>0.438 to 20.000 (11.1 to 508.0) max seal O.D.</p>	<p>2,000 f/m (10.2 m/s)</p>	<p>N/A</p>	<p>0.005 @ 2000 (0.13 @ 10.2)</p>	<p>To 150 psi (10 bar)</p>	

# Oil Seals PRODUCT INFORMATION

Specialty Seals	Features	Materials	Temp	Shaft Diameter in. (mm)	Surface Speed	Spring Type	Misalign. in. @ f/m (mm@m/s)	Pressure
<b>Model 26HR</b> 	<ul style="list-style-type: none"> <li>Special purpose seal for high misalignment applications</li> <li>Low-speed service</li> <li>Increased misalignment capability over standard 26</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 20.000 (25.4 to 508.0)	1,000 f/m (5.1 m/s)	Molded-in carbon steel garter	Application dependent	To 7 psi (0.4 bar)
<b>Model 50</b> 	<ul style="list-style-type: none"> <li>Low-speed service</li> <li>Moderate pressure</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> </ul>	-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 carbon steel garter spring	0.010 @ 1,000 (0.25 @ 12.7)	To 35 psi (2.4 bar)
<b>Model 54</b> 	<ul style="list-style-type: none"> <li>Special purpose assembled seal</li> <li>Excluder seal</li> <li>Designed for spherical bearing surfaces - seal does not contact shaft</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> </ul>	-40°F (-40°C) to 200°F (93°C)	For spherical radii from 2.375 to 13.438 (60.3 to 341.3)	1,000 f/m (5.1 m/s)	Stainless steel finger	N/A	To 50 psi (3.4 bar)
<b>Model 57</b> 	<ul style="list-style-type: none"> <li>Metal reinforced rubber O.D.</li> <li>Reverse bevel lip design prevents lip rollover</li> <li>Available in single &amp; dual lip</li> <li>Ideal for slow-speed service applications (i.e. continuous casters)</li> </ul>	<ul style="list-style-type: none"> <li>MILL-RIGHT® N</li> <li>MILL-RIGHT® ES</li> <li>MILL-RIGHT® V</li> </ul>	-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 @ 2.5)	To 7 psi (0.4 bar)
<b>Model 58</b> 	<ul style="list-style-type: none"> <li>High-temp, assembled seal</li> <li>THERMO-CERAM™ sealing element</li> <li>Ideal for abrasive environments</li> <li>Grease lubricated apps only</li> </ul>	<ul style="list-style-type: none"> <li>THERMO-CERAM™</li> </ul>	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 @ 2.5)	Ambient
<b>Model 62</b> 	<ul style="list-style-type: none"> <li>Assembled seal</li> <li>Solid design</li> <li>Low-speed service</li> <li>Excellent chemical resistance</li> </ul>	<ul style="list-style-type: none"> <li>PTFE</li> </ul>	-120°F (-85°C) to 400°F (204°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 @ 10.2)	To 7 psi (0.4 bar)

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