

# PFEIFER INDUSTRIES, LLC.

2180 Corporate Lane, Suite 104 ~ Naperville, IL 60563-1639 USA

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## 8mm - RPP / R8M

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
8 teeth				
9 teeth				
10 teeth				
11 teeth				
12 teeth				
13 teeth				
14 teeth				
15 teeth				
16 teeth				
17 teeth				
18 teeth				
19 teeth				
20 teeth				
21 teeth				
22 teeth	2.206"	2.152"	56.02mm	54.65mm
23 teeth	2.306"	2.252"	58.57mm	57.20mm
24 teeth	2.406"	2.352"	61.12mm	59.74mm
25 teeth	2.506"	2.452"	63.66mm	62.29mm
26 teeth	2.607"	2.553"	66.21mm	64.84mm
27 teeth	2.707"	2.653"	68.75mm	67.38mm
* 28 teeth	2.807"	2.759"	71.30mm	70.08mm
* 29 teeth	2.907"	2.859"	73.85mm	72.62mm
* 30 teeth	3.008"	2.958"	76.39mm	75.13mm
* 31 teeth	3.108"	3.057"	78.94mm	77.65mm
* 32 teeth	3.208"	3.156"	81.49mm	80.16mm
* 33 teeth	3.308"	3.255"	84.03mm	82.68mm
34 teeth	3.409"	3.355"	86.58mm	85.21mm
35 teeth	3.509"	3.455"	89.13mm	87.76mm
36 teeth	3.609"	3.555"	91.67mm	90.30mm
37 teeth	3.709"	3.655"	94.22mm	92.85mm
38 teeth	3.810"	3.756"	96.77mm	95.39mm
39 teeth	3.910"	3.856"	99.31mm	97.94mm
40 teeth	4.010"	3.956"	101.86mm	100.49mm
41 teeth	4.110"	4.056"	104.41mm	103.03mm
42 teeth	4.211"	4.157"	106.95mm	105.58mm
43 teeth	4.311"	4.257"	109.50mm	108.13mm
44 teeth	4.411"	4.357"	112.05mm	110.67mm
45 teeth	4.511"	4.457"	114.59mm	113.22mm
46 teeth	4.612"	4.558"	117.14mm	115.77mm
47 teeth	4.712"	4.658"	119.68mm	118.31mm

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
48 teeth	4.812"	4.758"	122.23mm	120.86mm
49 teeth	4.912"	4.858"	124.78mm	123.41mm
50 teeth	5.013"	4.959"	127.32mm	125.95mm
51 teeth	5.113"	5.059"	129.87mm	128.50mm
52 teeth	5.213"	5.159"	132.42mm	131.05mm
53 teeth	5.314"	5.260"	134.96mm	133.59mm
54 teeth	5.414"	5.360"	137.51mm	136.14mm
55 teeth	5.514"	5.460"	140.06mm	138.68mm
56 teeth	5.614"	5.560"	142.60mm	141.23mm
57 teeth	5.715"	5.661"	145.15mm	143.78mm
58 teeth	5.815"	5.761"	147.70mm	146.32mm
59 teeth	5.915"	5.861"	150.24mm	148.87mm
60 teeth	6.015"	5.961"	152.79mm	151.42mm
61 teeth	6.116"	6.062"	155.34mm	153.96mm
62 teeth	6.216"	6.162"	157.88mm	156.51mm
63 teeth	6.316"	6.262"	160.43mm	159.06mm
64 teeth	6.416"	6.362"	162.97mm	161.60mm
65 teeth	6.517"	6.463"	165.52mm	164.15mm
66 teeth	6.617"	6.563"	168.07mm	166.70mm
67 teeth	6.717"	6.663"	170.61mm	169.24mm
68 teeth	6.817"	6.763"	173.16mm	171.79mm
69 teeth	6.918"	6.864"	175.71mm	174.34mm
70 teeth	7.018"	6.964"	178.25mm	176.88mm
71 teeth	7.118"	7.064"	180.80mm	179.43mm
72 teeth	7.218"	7.164"	183.35mm	181.97mm
73 teeth	7.319"	7.265"	185.89mm	184.52mm
74 teeth	7.419"	7.365"	188.44mm	187.07mm
75 teeth	7.519"	7.465"	190.99mm	189.61mm
76 teeth	7.619"	7.565"	193.53mm	192.16mm
77 teeth	7.720"	7.666"	196.08mm	194.71mm
78 teeth	7.820"	7.766"	198.63mm	197.25mm
79 teeth	7.920"	7.866"	201.17mm	199.80mm
80 teeth	8.020"	7.966"	203.72mm	202.35mm
81 teeth	8.121"	8.067"	206.26mm	204.89mm
82 teeth	8.221"	8.167"	208.81mm	207.44mm
83 teeth	8.321"	8.267"	211.36mm	209.99mm
84 teeth	8.421"	8.367"	213.90mm	212.53mm
85 teeth	8.522"	8.468"	216.45mm	215.08mm
86 teeth	8.622"	8.568"	219.00mm	217.63mm
87 teeth	8.722"	8.668"	221.54mm	220.17mm

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Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
88 teeth	8.822"	8.768"	224.09mm	222.72mm
89 teeth	8.923"	8.869"	226.64mm	225.27mm
90 teeth	9.023"	8.969"	229.18mm	227.81mm
91 teeth	9.123"	9.069"	231.73mm	230.36mm
92 teeth	9.223"	9.169"	234.28mm	232.90mm
93 teeth	9.324"	9.270"	236.82mm	235.45mm
94 teeth	9.424"	9.370"	239.37mm	238.00mm
95 teeth	9.524"	9.470"	241.92mm	240.54mm
96 teeth	9.624"	9.570"	244.46mm	243.09mm
97 teeth	9.725"	9.671"	247.01mm	245.64mm
98 teeth	9.825"	9.771"	249.55mm	248.18mm
99 teeth	9.925"	9.871"	252.10mm	250.73mm
100 teeth	10.026"	9.972"	254.65mm	253.28mm
101 teeth	10.126"	10.072"	257.19mm	255.82mm
102 teeth	10.226"	10.172"	259.74mm	258.37mm
103 teeth	10.326"	10.272"	262.29mm	260.92mm
104 teeth	10.427"	10.373"	264.83mm	263.46mm
105 teeth	10.527"	10.473"	267.38mm	266.01mm
106 teeth	10.627"	10.573"	269.93mm	268.56mm
107 teeth	10.727"	10.673"	272.47mm	271.10mm
108 teeth	10.828"	10.774"	275.02mm	273.65mm
109 teeth	10.928"	10.874"	277.57mm	276.19mm
110 teeth	11.028"	10.974"	280.11mm	278.74mm
111 teeth	11.128"	11.074"	282.66mm	281.29mm
112 teeth	11.229"	11.175"	285.21mm	283.83mm
113 teeth	11.329"	11.275"	287.75mm	286.38mm
114 teeth	11.429"	11.375"	290.30mm	288.93mm
115 teeth	11.529"	11.475"	292.85mm	291.47mm
116 teeth	11.630"	11.576"	295.39mm	294.02mm
117 teeth	11.730"	11.676"	297.94mm	296.57mm
118 teeth	11.830"	11.776"	300.48mm	299.11mm
119 teeth	11.930"	11.876"	303.03mm	301.66mm
120 teeth	12.031"	11.977"	305.58mm	304.21mm
121 teeth	12.131"	12.077"	308.12mm	306.75mm
122 teeth	12.231"	12.177"	310.67mm	309.30mm
123 teeth	12.331"	12.277"	313.22mm	311.85mm
124 teeth	12.432"	12.378"	315.76mm	314.39mm
125 teeth	12.532"	12.478"	318.31mm	316.94mm
126 teeth	12.632"	12.578"	320.86mm	319.48mm
127 teeth	12.732"	12.678"	323.40mm	322.03mm

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
128 teeth	12.833"	12.779"	325.95mm	324.58mm
129 teeth	12.933"	12.879"	328.50mm	327.12mm
130 teeth	13.033"	12.979"	331.04mm	329.67mm
131 teeth	13.133"	13.079"	333.59mm	332.22mm
132 teeth	13.234"	13.180"	336.14mm	334.76mm
133 teeth	13.334"	13.280"	338.68mm	337.31mm
134 teeth	13.434"	13.380"	341.23mm	339.86mm
135 teeth	13.534"	13.480"	343.77mm	342.40mm
136 teeth	13.635"	13.581"	346.32mm	344.95mm
137 teeth	13.735"	13.681"	348.87mm	347.50mm
138 teeth	13.835"	13.781"	351.41mm	350.04mm
139 teeth	13.935"	13.881"	353.96mm	352.59mm
140 teeth	14.036"	13.982"	356.51mm	355.14mm
141 teeth	14.136"	14.082"	359.05mm	357.68mm
142 teeth	14.236"	14.182"	361.60mm	360.23mm
143 teeth	14.336"	14.282"	364.15mm	362.77mm
144 teeth	14.437"	14.383"	366.69mm	365.32mm
145 teeth	14.537"	14.483"	369.24mm	367.87mm
146 teeth	14.637"	14.583"	371.79mm	370.41mm
147 teeth	14.737"	14.683"	374.33mm	372.96mm
148 teeth	14.838"	14.784"	376.88mm	375.51mm
149 teeth	14.938"	14.884"	379.43mm	378.05mm
150 teeth	15.038"	14.984"	381.97mm	380.60mm
151 teeth	15.139"	15.085"	384.52mm	383.15mm
152 teeth	15.239"	15.185"	387.06mm	385.69mm
153 teeth	15.339"	15.285"	389.61mm	388.24mm
154 teeth	15.439"	15.385"	392.16mm	390.79mm
155 teeth	15.540"	15.486"	394.70mm	393.33mm
156 teeth	15.640"	15.586"	397.25mm	395.88mm
157 teeth	15.740"	15.686"	399.80mm	398.43mm
158 teeth	15.840"	15.786"	402.34mm	400.97mm
159 teeth	15.941"	15.887"	404.89mm	403.52mm
160 teeth	16.041"	15.987"	407.44mm	406.07mm
161 teeth	16.141"	16.087"	409.98mm	408.61mm
162 teeth	16.241"	16.187"	412.53mm	411.16mm
163 teeth	16.342"	16.288"	415.08mm	413.70mm
164 teeth	16.442"	16.388"	417.62mm	416.25mm
165 teeth	16.542"	16.488"	420.17mm	418.80mm
166 teeth	16.642"	16.588"	422.72mm	421.34mm
167 teeth	16.743"	16.689"	425.26mm	423.89mm

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Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
168 teeth	16.843"	16.789"	427.81mm	426.44mm
169 teeth	16.943"	16.889"	430.35mm	428.98mm
170 teeth	17.043"	16.989"	432.90mm	431.53mm
171 teeth	17.144"	17.090"	435.45mm	434.08mm
172 teeth	17.244"	17.190"	437.99mm	436.62mm
173 teeth	17.344"	17.290"	440.54mm	439.17mm
174 teeth	17.444"	17.390"	443.09mm	441.72mm
175 teeth	17.545"	17.491"	445.63mm	444.26mm
176 teeth	17.645"	17.591"	448.18mm	446.81mm
177 teeth	17.745"	17.691"	450.73mm	449.36mm
178 teeth	17.845"	17.791"	453.27mm	451.90mm
179 teeth	17.946"	17.892"	455.82mm	454.45mm
180 teeth	18.046"	17.992"	458.37mm	456.99mm
181 teeth	18.146"	18.092"	460.91mm	459.54mm
182 teeth	18.246"	18.192"	463.46mm	462.09mm
183 teeth	18.347"	18.293"	466.01mm	464.63mm
184 teeth	18.447"	18.393"	468.55mm	467.18mm
185 teeth	18.547"	18.493"	471.10mm	469.73mm
186 teeth	18.647"	18.593"	473.65mm	472.27mm
187 teeth	18.748"	18.694"	476.19mm	474.82mm
188 teeth	18.848"	18.794"	478.74mm	477.37mm
189 teeth	18.948"	18.894"	481.28mm	479.91mm
190 teeth	19.048"	18.994"	483.83mm	482.46mm
191 teeth	19.149"	19.095"	486.38mm	485.01mm
192 teeth	19.249"	19.195"	488.92mm	487.55mm
193 teeth				
194 teeth				
195 teeth				
196 teeth				
197 teeth				
198 teeth				
199 teeth				
200 teeth				
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203 teeth				
204 teeth				
205 teeth				
206 teeth				
207 teeth				

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
208 teeth				
209 teeth				
210 teeth				
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