

# PFEIFER INDUSTRIES, LLC.

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

Phone (630) 596-9000 Fax (630) 596-9002

Email: [info@pfeiferindustries.com](mailto:info@pfeiferindustries.com) Website: [www.pfeiferindustries.com](http://www.pfeiferindustries.com)

## 1/5" (0.200") - XL

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	0.637"	0.617"	16.17mm	15.66mm
11 teeth	0.700"	0.680"	17.79mm	17.28mm
12 teeth	0.764"	0.744"	19.40mm	18.90mm
13 teeth	0.828"	0.808"	21.02mm	20.51mm
14 teeth	0.891"	0.871"	22.64mm	22.13mm
15 teeth	0.955"	0.935"	24.26mm	23.75mm
16 teeth	1.019"	0.999"	25.87mm	25.36mm
17 teeth	1.082"	1.062"	27.49mm	26.98mm
18 teeth	1.146"	1.126"	29.11mm	28.60mm
19 teeth	1.210"	1.190"	30.72mm	30.22mm
20 teeth	1.273"	1.253"	32.34mm	31.83mm
21 teeth	1.337"	1.317"	33.96mm	33.45mm
22 teeth	1.401"	1.381"	35.57mm	35.07mm
23 teeth	1.464"	1.444"	37.19mm	36.68mm
24 teeth	1.528"	1.508"	38.81mm	38.30mm
25 teeth	1.592"	1.572"	40.43mm	39.92mm
26 teeth	1.655"	1.635"	42.04mm	41.53mm
27 teeth	1.719"	1.699"	43.66mm	43.15mm
28 teeth	1.783"	1.763"	45.28mm	44.77mm
29 teeth	1.846"	1.826"	46.89mm	46.39mm
30 teeth	1.910"	1.890"	48.51mm	48.00mm
31 teeth	1.974"	1.954"	50.13mm	49.62mm
32 teeth	2.037"	2.017"	51.74mm	51.24mm
33 teeth	2.101"	2.081"	53.36mm	52.85mm
34 teeth	2.165"	2.145"	54.98mm	54.47mm
35 teeth	2.228"	2.208"	56.60mm	56.09mm
36 teeth	2.292"	2.272"	58.21mm	57.70mm
37 teeth	2.355"	2.335"	59.83mm	59.32mm
38 teeth	2.419"	2.399"	61.45mm	60.94mm
39 teeth	2.483"	2.463"	63.06mm	62.56mm
40 teeth	2.546"	2.526"	64.68mm	64.17mm
41 teeth	2.610"	2.590"	66.30mm	65.79mm
42 teeth	2.674"	2.654"	67.91mm	67.41mm
43 teeth	2.737"	2.717"	69.53mm	69.02mm
44 teeth	2.801"	2.781"	71.15mm	70.64mm
45 teeth	2.865"	2.845"	72.77mm	72.26mm
46 teeth	2.928"	2.908"	74.38mm	73.87mm
47 teeth	2.992"	2.972"	76.00mm	75.49mm

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
48 teeth	3.056"	3.036"	77.62mm	77.11mm
49 teeth	3.119"	3.099"	79.23mm	78.73mm
50 teeth	3.183"	3.163"	80.85mm	80.34mm
51 teeth	3.247"	3.227"	82.47mm	81.96mm
52 teeth	3.310"	3.290"	84.08mm	83.58mm
53 teeth	3.374"	3.354"	85.70mm	85.19mm
54 teeth	3.438"	3.418"	87.32mm	86.81mm
55 teeth	3.501"	3.481"	88.94mm	88.43mm
56 teeth	3.565"	3.545"	90.55mm	90.04mm
57 teeth	3.629"	3.609"	92.17mm	91.66mm
58 teeth	3.692"	3.672"	93.79mm	93.28mm
59 teeth	3.756"	3.736"	95.40mm	94.90mm
60 teeth	3.820"	3.800"	97.02mm	96.51mm
61 teeth	3.883"	3.863"	98.64mm	98.13mm
62 teeth	3.947"	3.927"	100.25mm	99.75mm
63 teeth	4.011"	3.991"	101.87mm	101.36mm
64 teeth	4.074"	4.054"	103.49mm	102.98mm
65 teeth	4.138"	4.118"	105.11mm	104.60mm
66 teeth	4.202"	4.182"	106.72mm	106.21mm
67 teeth	4.265"	4.245"	108.34mm	107.83mm
68 teeth	4.329"	4.309"	109.96mm	109.45mm
69 teeth	4.393"	4.373"	111.57mm	111.07mm
70 teeth	4.456"	4.436"	113.19mm	112.68mm
71 teeth	4.520"	4.500"	114.81mm	114.30mm
72 teeth	4.584"	4.564"	116.43mm	115.92mm
73 teeth	4.647"	4.627"	118.04mm	117.53mm
74 teeth	4.711"	4.691"	119.66mm	119.15mm
75 teeth	4.775"	4.755"	121.28mm	120.77mm
76 teeth	4.838"	4.818"	122.89mm	122.39mm
77 teeth	4.902"	4.882"	124.51mm	124.00mm
78 teeth	4.966"	4.946"	126.13mm	125.62mm
79 teeth	5.029"	5.009"	127.74mm	127.24mm
80 teeth	5.093"	5.073"	129.36mm	128.85mm
81 teeth	5.157"	5.137"	130.98mm	130.47mm
82 teeth	5.220"	5.200"	132.60mm	132.09mm
83 teeth	5.284"	5.264"	134.21mm	133.70mm
84 teeth	5.348"	5.328"	135.83mm	135.32mm
85 teeth	5.411"	5.391"	137.45mm	136.94mm
86 teeth	5.475"	5.455"	139.06mm	138.56mm
87 teeth	5.539"	5.519"	140.68mm	140.17mm

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## 1/5" (0.200") - XL

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
88 teeth	5.602"	5.582"	142.30mm	141.79mm
89 teeth	5.666"	5.646"	143.91mm	143.41mm
90 teeth	5.730"	5.710"	145.53mm	145.02mm
91 teeth	5.793"	5.773"	147.15mm	146.64mm
92 teeth	5.857"	5.837"	148.77mm	148.26mm
93 teeth	5.921"	5.901"	150.38mm	149.87mm
94 teeth	5.984"	5.964"	152.00mm	151.49mm
95 teeth	6.048"	6.028"	153.62mm	153.11mm
96 teeth	6.112"	6.092"	155.23mm	154.73mm
97 teeth	6.175"	6.155"	156.85mm	156.34mm
98 teeth	6.239"	6.219"	158.47mm	157.96mm
99 teeth	6.303"	6.283"	160.08mm	159.58mm
100 teeth	6.366"	6.346"	161.70mm	161.19mm
101 teeth	6.430"	6.410"	163.32mm	162.81mm
102 teeth	6.494"	6.474"	164.94mm	164.43mm
103 teeth	6.557"	6.537"	166.55mm	166.04mm
104 teeth	6.621"	6.601"	168.17mm	167.66mm
105 teeth	6.685"	6.665"	169.79mm	169.28mm
106 teeth	6.748"	6.728"	171.40mm	170.90mm
107 teeth	6.812"	6.792"	173.02mm	172.51mm
108 teeth	6.875"	6.855"	174.64mm	174.13mm
109 teeth	6.939"	6.919"	176.25mm	175.75mm
110 teeth	7.003"	6.983"	177.87mm	177.36mm
111 teeth	7.066"	7.046"	179.49mm	178.98mm
112 teeth	7.130"	7.110"	181.11mm	180.60mm
113 teeth	7.194"	7.174"	182.72mm	182.21mm
114 teeth	7.257"	7.237"	184.34mm	183.83mm
115 teeth	7.321"	7.301"	185.96mm	185.45mm
116 teeth	7.385"	7.365"	187.57mm	187.07mm
117 teeth	7.448"	7.428"	189.19mm	188.68mm
118 teeth	7.512"	7.492"	190.81mm	190.30mm
119 teeth	7.576"	7.556"	192.42mm	191.92mm
120 teeth	7.639"	7.619"	194.04mm	193.53mm
121 teeth	7.703"	7.683"	195.66mm	195.15mm
122 teeth	7.767"	7.747"	197.28mm	196.77mm
123 teeth	7.830"	7.810"	198.89mm	198.38mm
124 teeth	7.894"	7.874"	200.51mm	200.00mm
125 teeth	7.958"	7.938"	202.13mm	201.62mm
126 teeth	8.021"	8.001"	203.74mm	203.24mm
127 teeth	8.085"	8.065"	205.36mm	204.85mm

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
128 teeth	8.149"	8.129"	206.98mm	206.47mm
129 teeth	8.212"	8.192"	208.59mm	208.09mm
130 teeth	8.276"	8.256"	210.21mm	209.70mm
131 teeth	8.340"	8.320"	211.83mm	211.32mm
132 teeth	8.403"	8.383"	213.45mm	212.94mm
133 teeth	8.467"	8.447"	215.06mm	214.55mm
134 teeth	8.531"	8.511"	216.68mm	216.17mm
135 teeth	8.594"	8.574"	218.30mm	217.79mm
136 teeth	8.658"	8.638"	219.91mm	219.41mm
137 teeth	8.722"	8.702"	221.53mm	221.02mm
138 teeth	8.785"	8.765"	223.15mm	222.64mm
139 teeth	8.849"	8.829"	224.77mm	224.26mm
140 teeth	8.913"	8.893"	226.38mm	225.87mm
141 teeth	8.976"	8.956"	228.00mm	227.49mm
142 teeth	9.040"	9.020"	229.62mm	229.11mm
143 teeth	9.104"	9.084"	231.23mm	230.73mm
144 teeth	9.167"	9.147"	232.85mm	232.34mm
145 teeth	9.231"	9.211"	234.47mm	233.96mm
146 teeth	9.295"	9.275"	236.08mm	235.58mm
147 teeth	9.358"	9.338"	237.70mm	237.19mm
148 teeth	9.422"	9.402"	239.32mm	238.81mm
149 teeth	9.486"	9.466"	240.94mm	240.43mm
150 teeth	9.549"	9.529"	242.55mm	242.04mm
151 teeth	9.613"	9.593"	244.17mm	243.66mm
152 teeth	9.677"	9.657"	245.79mm	245.28mm
153 teeth	9.740"	9.720"	247.40mm	246.90mm
154 teeth	9.804"	9.784"	249.02mm	248.51mm
155 teeth	9.868"	9.848"	250.64mm	250.13mm
156 teeth	9.931"	9.911"	252.25mm	251.75mm
157 teeth	9.995"	9.975"	253.87mm	253.36mm
158 teeth	10.059"	10.039"	255.49mm	254.98mm
159 teeth	10.122"	10.102"	257.11mm	256.60mm
160 teeth	10.186"	10.166"	258.72mm	258.21mm
161 teeth	10.250"	10.230"	260.34mm	259.83mm
162 teeth	10.313"	10.293"	261.96mm	261.45mm
163 teeth	10.377"	10.357"	263.57mm	263.07mm
164 teeth	10.441"	10.421"	265.19mm	264.68mm
165 teeth	10.504"	10.484"	266.81mm	266.30mm
166 teeth	10.568"	10.548"	268.42mm	267.92mm
167 teeth	10.632"	10.612"	270.04mm	269.53mm

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## 1/5" (0.200") - XL

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
168 teeth	10.695"	10.675"	271.66mm	271.15mm
169 teeth	10.759"	10.739"	273.28mm	272.77mm
170 teeth	10.823"	10.803"	274.89mm	274.38mm
171 teeth	10.886"	10.866"	276.51mm	276.00mm
172 teeth	10.950"	10.930"	278.13mm	277.62mm
173 teeth	11.014"	10.994"	279.74mm	279.24mm
174 teeth	11.077"	11.057"	281.36mm	280.85mm
175 teeth	11.141"	11.121"	282.98mm	282.47mm
176 teeth	11.205"	11.185"	284.59mm	284.09mm
177 teeth	11.268"	11.248"	286.21mm	285.70mm
178 teeth	11.332"	11.312"	287.83mm	287.32mm
179 teeth	11.395"	11.375"	289.45mm	288.94mm
180 teeth	11.459"	11.439"	291.06mm	290.55mm
181 teeth	11.523"	11.503"	292.68mm	292.17mm
182 teeth	11.586"	11.566"	294.30mm	293.79mm
183 teeth	11.650"	11.630"	295.91mm	295.41mm
184 teeth	11.714"	11.694"	297.53mm	297.02mm
185 teeth	11.777"	11.757"	299.15mm	298.64mm
186 teeth	11.841"	11.821"	300.76mm	300.26mm
187 teeth	11.905"	11.885"	302.38mm	301.87mm
188 teeth	11.968"	11.948"	304.00mm	303.49mm
189 teeth	12.032"	12.012"	305.62mm	305.11mm
190 teeth	12.096"	12.076"	307.23mm	306.72mm
191 teeth	12.159"	12.139"	308.85mm	308.34mm
192 teeth	12.223"	12.203"	310.47mm	309.96mm
193 teeth	12.287"	12.267"	312.08mm	311.58mm
194 teeth	12.350"	12.330"	313.70mm	313.19mm
195 teeth	12.414"	12.394"	315.32mm	314.81mm
196 teeth	12.478"	12.458"	316.93mm	316.43mm
197 teeth	12.541"	12.521"	318.55mm	318.04mm
198 teeth	12.605"	12.585"	320.17mm	319.66mm
199 teeth	12.669"	12.649"	321.79mm	321.28mm
200 teeth	12.732"	12.712"	323.40mm	322.89mm
201 teeth	12.796"	12.776"	325.02mm	324.51mm
202 teeth	12.860"	12.840"	326.64mm	326.13mm
203 teeth	12.923"	12.903"	328.25mm	327.75mm
204 teeth	12.987"	12.967"	329.87mm	329.36mm
205 teeth	13.051"	13.031"	331.49mm	330.98mm
206 teeth	13.114"	13.094"	333.11mm	332.60mm
207 teeth	13.178"	13.158"	334.72mm	334.21mm

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
208 teeth	13.242"	13.222"	336.34mm	335.83mm
209 teeth	13.305"	13.285"	337.96mm	337.45mm
210 teeth				
211 teeth				
212 teeth				
213 teeth				
214 teeth				
215 teeth				
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