

# PFEIFER INDUSTRIES, LLC.

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

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## 5mm - STD / S5M

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	0.877"	0.839"	22.28mm	21.32mm
15 teeth	0.940"	0.902"	23.87mm	22.91mm
16 teeth	1.003"	0.965"	25.46mm	24.50mm
17 teeth	1.065"	1.027"	27.06mm	26.09mm
18 teeth	1.128"	1.090"	28.65mm	27.68mm
19 teeth	1.191"	1.153"	30.24mm	29.27mm
20 teeth	1.253"	1.215"	31.83mm	30.87mm
21 teeth	1.316"	1.278"	33.42mm	32.46mm
22 teeth	1.379"	1.341"	35.01mm	34.05mm
23 teeth	1.441"	1.403"	36.61mm	35.64mm
24 teeth	1.504"	1.466"	38.20mm	37.23mm
25 teeth	1.566"	1.528"	39.79mm	38.82mm
26 teeth	1.629"	1.591"	41.38mm	40.42mm
27 teeth	1.692"	1.654"	42.97mm	42.01mm
28 teeth	1.754"	1.716"	44.56mm	43.60mm
29 teeth	1.817"	1.779"	46.15mm	45.19mm
30 teeth	1.880"	1.842"	47.75mm	46.78mm
31 teeth	1.942"	1.904"	49.34mm	48.37mm
32 teeth	2.005"	1.967"	50.93mm	49.96mm
33 teeth	2.068"	2.030"	52.52mm	51.56mm
34 teeth	2.130"	2.092"	54.11mm	53.15mm
35 teeth	2.193"	2.155"	55.70mm	54.74mm
36 teeth	2.256"	2.218"	57.30mm	56.33mm
37 teeth	2.318"	2.280"	58.89mm	57.92mm
38 teeth	2.381"	2.343"	60.48mm	59.51mm
39 teeth	2.444"	2.406"	62.07mm	61.11mm
40 teeth	2.506"	2.468"	63.66mm	62.70mm
41 teeth	2.569"	2.531"	65.25mm	64.29mm
42 teeth	2.632"	2.594"	66.85mm	65.88mm
43 teeth	2.694"	2.656"	68.44mm	67.47mm
44 teeth	2.757"	2.719"	70.03mm	69.06mm
45 teeth	2.820"	2.782"	71.62mm	70.65mm
46 teeth	2.882"	2.844"	73.21mm	72.25mm
47 teeth	2.945"	2.907"	74.80mm	73.84mm

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
48 teeth	3.008"	2.970"	76.39mm	75.43mm
49 teeth	3.070"	3.032"	77.99mm	77.02mm
50 teeth	3.133"	3.095"	79.58mm	78.61mm
51 teeth	3.196"	3.158"	81.17mm	80.20mm
52 teeth	3.258"	3.220"	82.76mm	81.80mm
53 teeth	3.321"	3.283"	84.35mm	83.39mm
54 teeth	3.384"	3.346"	85.94mm	84.98mm
55 teeth	3.446"	3.408"	87.54mm	86.57mm
56 teeth	3.509"	3.471"	89.13mm	88.16mm
57 teeth	3.572"	3.534"	90.72mm	89.75mm
58 teeth	3.634"	3.596"	92.31mm	91.34mm
59 teeth	3.697"	3.659"	93.90mm	92.94mm
60 teeth	3.760"	3.722"	95.49mm	94.53mm
61 teeth	3.822"	3.784"	97.08mm	96.12mm
62 teeth	3.885"	3.847"	98.68mm	97.71mm
63 teeth	3.948"	3.910"	100.27mm	99.30mm
64 teeth	4.010"	3.972"	101.86mm	100.89mm
65 teeth	4.073"	4.035"	103.45mm	102.49mm
66 teeth	4.136"	4.098"	105.04mm	104.08mm
67 teeth	4.198"	4.160"	106.63mm	105.67mm
68 teeth	4.261"	4.223"	108.23mm	107.26mm
69 teeth	4.323"	4.285"	109.82mm	108.85mm
70 teeth	4.386"	4.348"	111.41mm	110.44mm
71 teeth	4.449"	4.411"	113.00mm	112.03mm
72 teeth	4.511"	4.473"	114.59mm	113.63mm
73 teeth	4.574"	4.536"	116.18mm	115.22mm
74 teeth	4.637"	4.599"	117.77mm	116.81mm
75 teeth	4.699"	4.661"	119.37mm	118.40mm
76 teeth	4.762"	4.724"	120.96mm	119.99mm
77 teeth	4.825"	4.787"	122.55mm	121.58mm
78 teeth	4.887"	4.849"	124.14mm	123.18mm
79 teeth	4.950"	4.912"	125.73mm	124.77mm
80 teeth	5.013"	4.975"	127.32mm	126.36mm
81 teeth	5.075"	5.037"	128.92mm	127.95mm
82 teeth	5.138"	5.100"	130.51mm	129.54mm
83 teeth	5.201"	5.163"	132.10mm	131.13mm
84 teeth	5.263"	5.225"	133.69mm	132.72mm
85 teeth	5.326"	5.288"	135.28mm	134.32mm
86 teeth	5.389"	5.351"	136.87mm	135.91mm
87 teeth	5.451"	5.413"	138.46mm	137.50mm

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## 5mm - STD / S5M

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
88 teeth	5.514"	5.476"	140.06mm	139.09mm
89 teeth	5.577"	5.539"	141.65mm	140.68mm
90 teeth	5.639"	5.601"	143.24mm	142.27mm
91 teeth	5.702"	5.664"	144.83mm	143.87mm
92 teeth	5.765"	5.727"	146.42mm	145.46mm
93 teeth	5.827"	5.789"	148.01mm	147.05mm
94 teeth	5.890"	5.852"	149.61mm	148.64mm
95 teeth	5.953"	5.915"	151.20mm	150.23mm
96 teeth	6.015"	5.977"	152.79mm	151.82mm
97 teeth	6.078"	6.040"	154.38mm	153.42mm
98 teeth	6.141"	6.103"	155.97mm	155.01mm
99 teeth	6.203"	6.165"	157.56mm	156.60mm
100 teeth	6.266"	6.228"	159.15mm	158.19mm
101 teeth	6.329"	6.291"	160.75mm	159.78mm
102 teeth	6.391"	6.353"	162.34mm	161.37mm
103 teeth	6.454"	6.416"	163.93mm	162.96mm
104 teeth	6.517"	6.479"	165.52mm	164.56mm
105 teeth	6.579"	6.541"	167.11mm	166.15mm
106 teeth	6.642"	6.604"	168.70mm	167.74mm
107 teeth	6.705"	6.667"	170.30mm	169.33mm
108 teeth	6.767"	6.729"	171.89mm	170.92mm
109 teeth	6.830"	6.792"	173.48mm	172.51mm
110 teeth	6.893"	6.855"	175.07mm	174.11mm
111 teeth	6.955"	6.917"	176.66mm	175.70mm
112 teeth	7.018"	6.980"	178.25mm	177.29mm
113 teeth	7.081"	7.043"	179.85mm	178.88mm
114 teeth	7.143"	7.105"	181.44mm	180.47mm
115 teeth	7.206"	7.168"	183.03mm	182.06mm
116 teeth	7.268"	7.230"	184.62mm	183.65mm
117 teeth	7.331"	7.293"	186.21mm	185.25mm
118 teeth	7.394"	7.356"	187.80mm	186.84mm
119 teeth	7.456"	7.418"	189.39mm	188.43mm
120 teeth	7.519"	7.481"	190.99mm	190.02mm
121 teeth	7.582"	7.544"	192.58mm	191.61mm
122 teeth	7.644"	7.606"	194.17mm	193.20mm
123 teeth	7.707"	7.669"	195.76mm	194.80mm
124 teeth	7.770"	7.732"	197.35mm	196.39mm
125 teeth	7.832"	7.794"	198.94mm	197.98mm
126 teeth	7.895"	7.857"	200.54mm	199.57mm
127 teeth	7.958"	7.920"	202.13mm	201.16mm

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
128 teeth	8.020"	7.982"	203.72mm	202.75mm
129 teeth	8.083"	8.045"	205.31mm	204.34mm
130 teeth	8.146"	8.108"	206.90mm	205.94mm
131 teeth	8.208"	8.170"	208.49mm	207.53mm
132 teeth	8.271"	8.233"	210.08mm	209.12mm
133 teeth	8.334"	8.296"	211.68mm	210.71mm
134 teeth	8.396"	8.358"	213.27mm	212.30mm
135 teeth	8.459"	8.421"	214.86mm	213.89mm
136 teeth	8.522"	8.484"	216.45mm	215.49mm
137 teeth	8.584"	8.546"	218.04mm	217.08mm
138 teeth	8.647"	8.609"	219.63mm	218.67mm
139 teeth	8.710"	8.672"	221.23mm	220.26mm
140 teeth	8.772"	8.734"	222.82mm	221.85mm
141 teeth	8.835"	8.797"	224.41mm	223.44mm
142 teeth	8.898"	8.860"	226.00mm	225.03mm
143 teeth	8.960"	8.922"	227.59mm	226.63mm
144 teeth	9.023"	8.985"	229.18mm	228.22mm
145 teeth	9.086"	9.048"	230.77mm	229.81mm
146 teeth	9.148"	9.110"	232.37mm	231.40mm
147 teeth	9.211"	9.173"	233.96mm	232.99mm
148 teeth	9.274"	9.236"	235.55mm	234.58mm
149 teeth	9.336"	9.298"	237.14mm	236.18mm
150 teeth	9.399"	9.361"	238.73mm	237.77mm
151 teeth	9.462"	9.424"	240.32mm	239.36mm
152 teeth	9.524"	9.486"	241.92mm	240.95mm
153 teeth	9.587"	9.549"	243.51mm	242.54mm
154 teeth	9.650"	9.612"	245.10mm	244.13mm
155 teeth	9.712"	9.674"	246.69mm	245.72mm
156 teeth	9.775"	9.737"	248.28mm	247.32mm
157 teeth	9.838"	9.800"	249.87mm	248.91mm
158 teeth	9.900"	9.862"	251.46mm	250.50mm
159 teeth	9.963"	9.925"	253.06mm	252.09mm
160 teeth	10.026"	9.988"	254.65mm	253.68mm
161 teeth	10.088"	10.050"	256.24mm	255.27mm
162 teeth	10.151"	10.113"	257.83mm	256.87mm
163 teeth	10.213"	10.175"	259.42mm	258.46mm
164 teeth	10.276"	10.238"	261.01mm	260.05mm
165 teeth	10.339"	10.301"	262.61mm	261.64mm
166 teeth	10.401"	10.363"	264.20mm	263.23mm
167 teeth	10.464"	10.426"	265.79mm	264.82mm

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## 5mm - STD / S5M

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
168 teeth	10.527"	10.489"	267.38mm	266.42mm
169 teeth	10.589"	10.551"	268.97mm	268.01mm
170 teeth	10.652"	10.614"	270.56mm	269.60mm
171 teeth	10.715"	10.677"	272.15mm	271.19mm
172 teeth	10.777"	10.739"	273.75mm	272.78mm
173 teeth	10.840"	10.802"	275.34mm	274.37mm
174 teeth	10.903"	10.865"	276.93mm	275.96mm
175 teeth	10.965"	10.927"	278.52mm	277.56mm
176 teeth	11.028"	10.990"	280.11mm	279.15mm
177 teeth	11.091"	11.053"	281.70mm	280.74mm
178 teeth	11.153"	11.115"	283.30mm	282.33mm
179 teeth	11.216"	11.178"	284.89mm	283.92mm
180 teeth	11.279"	11.241"	286.48mm	285.51mm
181 teeth	11.341"	11.303"	288.07mm	287.11mm
182 teeth	11.404"	11.366"	289.66mm	288.70mm
183 teeth	11.467"	11.429"	291.25mm	290.29mm
184 teeth	11.529"	11.491"	292.85mm	291.88mm
185 teeth	11.592"	11.554"	294.44mm	293.47mm
186 teeth	11.655"	11.617"	296.03mm	295.06mm
187 teeth	11.717"	11.679"	297.62mm	296.65mm
188 teeth	11.780"	11.742"	299.21mm	298.25mm
189 teeth	11.843"	11.805"	300.80mm	299.84mm
190 teeth	11.905"	11.867"	302.39mm	301.43mm
191 teeth	11.968"	11.930"	303.99mm	303.02mm
192 teeth	12.031"	11.993"	305.58mm	304.61mm
193 teeth	12.093"	12.055"	307.17mm	306.20mm
194 teeth	12.156"	12.118"	308.76mm	307.80mm
195 teeth	12.219"	12.181"	310.35mm	309.39mm
196 teeth	12.281"	12.243"	311.94mm	310.98mm
197 teeth	12.344"	12.306"	313.54mm	312.57mm
198 teeth	12.407"	12.369"	315.13mm	314.16mm
199 teeth	12.469"	12.431"	316.72mm	315.75mm
200 teeth	12.532"	12.494"	318.31mm	317.34mm
201 teeth	12.595"	12.557"	319.90mm	318.94mm
202 teeth	12.657"	12.619"	321.49mm	320.53mm
203 teeth	12.720"	12.682"	323.08mm	322.12mm
204 teeth	12.783"	12.745"	324.68mm	323.71mm
205 teeth	12.845"	12.807"	326.27mm	325.30mm
206 teeth	12.908"	12.870"	327.86mm	326.89mm
207 teeth	12.970"	12.932"	329.45mm	328.49mm

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
208 teeth	13.033"	12.995"	331.04mm	330.08mm
209 teeth	13.096"	13.058"	332.63mm	331.67mm
210 teeth	13.158"	13.120"	334.23mm	333.26mm
211 teeth	13.221"	13.183"	335.82mm	334.85mm
212 teeth	13.284"	13.246"	337.41mm	336.44mm
213 teeth	13.346"	13.308"	339.00mm	338.03mm
214 teeth	13.409"	13.371"	340.59mm	339.63mm
215 teeth	13.472"	13.434"	342.18mm	341.22mm
216 teeth	13.534"	13.496"	343.77mm	342.81mm
217 teeth	13.597"	13.559"	345.37mm	344.40mm
218 teeth	13.660"	13.622"	346.96mm	345.99mm
219 teeth	13.722"	13.684"	348.55mm	347.58mm
220 teeth	13.785"	13.747"	350.14mm	349.18mm
221 teeth	13.848"	13.810"	351.73mm	350.77mm
222 teeth	13.910"	13.872"	353.32mm	352.36mm
223 teeth	13.973"	13.935"	354.92mm	353.95mm
224 teeth	14.036"	13.998"	356.51mm	355.54mm
225 teeth	14.098"	14.060"	358.10mm	357.13mm
226 teeth	14.161"	14.123"	359.69mm	358.72mm
227 teeth	14.224"	14.186"	361.28mm	360.32mm
228 teeth	14.286"	14.248"	362.87mm	361.91mm
229 teeth	14.349"	14.311"	364.46mm	363.50mm
230 teeth	14.412"	14.374"	366.06mm	365.09mm
231 teeth	14.474"	14.436"	367.65mm	366.68mm
232 teeth	14.537"	14.499"	369.24mm	368.27mm
233 teeth	14.600"	14.562"	370.83mm	369.87mm
234 teeth	14.662"	14.624"	372.42mm	371.46mm
235 teeth	14.725"	14.687"	374.01mm	373.05mm
236 teeth	14.788"	14.750"	375.61mm	374.64mm
237 teeth	14.850"	14.812"	377.20mm	376.23mm
238 teeth	14.913"	14.875"	378.79mm	377.82mm
239 teeth	14.976"	14.938"	380.38mm	379.42mm
240 teeth	15.038"	15.000"	381.97mm	381.01mm
241 teeth	15.101"	15.063"	383.56mm	382.60mm
242 teeth	15.164"	15.126"	385.15mm	384.19mm
243 teeth	15.226"	15.188"	386.75mm	385.78mm
244 teeth	15.289"	15.251"	388.34mm	387.37mm
245 teeth	15.352"	15.314"	389.93mm	388.96mm
246 teeth	15.414"	15.376"	391.52mm	390.56mm
247 teeth	15.477"	15.439"	393.11mm	392.15mm