

# PFEIFER INDUSTRIES, LLC.

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

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

E-mail: info@pfeiferindustries.com Web site: www.pfeiferindustries.com

## 1/2" (0.500") - H

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	2.228"	2.174"	56.60mm	55.22mm
15 teeth	2.387"	2.333"	60.64mm	59.27mm
16 teeth	2.546"	2.492"	64.68mm	63.31mm
17 teeth	2.706"	2.652"	68.72mm	67.35mm
18 teeth	2.865"	2.811"	72.77mm	71.39mm
19 teeth	3.024"	2.970"	76.81mm	75.44mm
20 teeth	3.183"	3.129"	80.85mm	79.48mm
21 teeth	3.342"	3.288"	84.89mm	83.52mm
22 teeth	3.501"	3.447"	88.94mm	87.56mm
23 teeth	3.661"	3.607"	92.98mm	91.61mm
24 teeth	3.820"	3.766"	97.02mm	95.65mm
25 teeth	3.979"	3.925"	101.06mm	99.69mm
26 teeth	4.138"	4.084"	105.11mm	103.73mm
27 teeth	4.297"	4.243"	109.15mm	107.78mm
28 teeth	4.456"	4.402"	113.19mm	111.82mm
29 teeth	4.615"	4.561"	117.23mm	115.86mm
30 teeth	4.775"	4.721"	121.28mm	119.90mm
31 teeth	4.934"	4.880"	125.32mm	123.95mm
32 teeth	5.093"	5.039"	129.36mm	127.99mm
33 teeth	5.252"	5.198"	133.40mm	132.03mm
34 teeth	5.411"	5.357"	137.45mm	136.07mm
35 teeth	5.570"	5.516"	141.49mm	140.12mm
36 teeth	5.730"	5.676"	145.53mm	144.16mm
37 teeth	5.889"	5.835"	149.57mm	148.20mm
38 teeth	6.048"	5.994"	153.62mm	152.24mm
39 teeth	6.207"	6.153"	157.66mm	156.29mm
40 teeth	6.366"	6.312"	161.70mm	160.33mm
41 teeth	6.525"	6.471"	165.74mm	164.37mm
42 teeth	6.685"	6.631"	169.79mm	168.41mm
43 teeth	6.844"	6.790"	173.83mm	172.46mm
44 teeth	7.003"	6.949"	177.87mm	176.50mm
45 teeth	7.162"	7.108"	181.91mm	180.54mm
46 teeth	7.321"	7.267"	185.96mm	184.59mm
47 teeth	7.480"	7.426"	190.00mm	188.63mm

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
48 teeth	7.639"	7.585"	194.04mm	192.67mm
49 teeth	7.799"	7.745"	198.08mm	196.71mm
50 teeth	7.958"	7.904"	202.13mm	200.76mm
51 teeth	8.117"	8.063"	206.17mm	204.80mm
52 teeth	8.276"	8.222"	210.21mm	208.84mm
53 teeth	8.435"	8.381"	214.25mm	212.88mm
54 teeth	8.594"	8.540"	218.30mm	216.93mm
55 teeth	8.754"	8.700"	222.34mm	220.97mm
56 teeth	8.913"	8.859"	226.38mm	225.01mm
57 teeth	9.072"	9.018"	230.42mm	229.05mm
58 teeth	9.231"	9.177"	234.47mm	233.10mm
59 teeth	9.390"	9.336"	238.51mm	237.14mm
60 teeth	9.549"	9.495"	242.55mm	241.18mm
61 teeth	9.708"	9.654"	246.59mm	245.22mm
62 teeth	9.868"	9.814"	250.64mm	249.27mm
63 teeth	10.027"	9.973"	254.68mm	253.31mm
64 teeth	10.186"	10.132"	258.72mm	257.35mm
65 teeth	10.345"	10.291"	262.76mm	261.39mm
66 teeth	10.504"	10.450"	266.81mm	265.44mm
67 teeth	10.663"	10.609"	270.85mm	269.48mm
68 teeth	10.823"	10.769"	274.89mm	273.52mm
69 teeth	10.982"	10.928"	278.94mm	277.56mm
70 teeth	11.141"	11.087"	282.98mm	281.61mm
71 teeth	11.300"	11.246"	287.02mm	285.65mm
72 teeth	11.459"	11.405"	291.06mm	289.69mm
73 teeth	11.618"	11.564"	295.11mm	293.73mm
74 teeth	11.777"	11.723"	299.15mm	297.78mm
75 teeth	11.937"	11.883"	303.19mm	301.82mm
76 teeth	12.096"	12.042"	307.23mm	305.86mm
77 teeth	12.255"	12.201"	311.28mm	309.90mm
78 teeth	12.414"	12.360"	315.32mm	313.95mm
79 teeth	12.573"	12.519"	319.36mm	317.99mm
80 teeth	12.732"	12.678"	323.40mm	322.03mm
81 teeth	12.892"	12.838"	327.45mm	326.07mm
82 teeth	13.051"	12.997"	331.49mm	330.12mm
83 teeth	13.210"	13.156"	335.53mm	334.16mm
84 teeth	13.369"	13.315"	339.57mm	338.20mm
85 teeth	13.528"	13.474"	343.62mm	342.24mm
86 teeth	13.687"	13.633"	347.66mm	346.29mm
87 teeth	13.846"	13.792"	351.70mm	350.33mm

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## 1/2" (0.500") - H

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
88 teeth	14.006"	13.952"	355.74mm	354.37mm
89 teeth	14.165"	14.111"	359.79mm	358.41mm
90 teeth	14.324"	14.270"	363.83mm	362.46mm
91 teeth	14.483"	14.429"	367.87mm	366.50mm
92 teeth	14.642"	14.588"	371.91mm	370.54mm
93 teeth	14.801"	14.747"	375.96mm	374.58mm
94 teeth	14.961"	14.907"	380.00mm	378.63mm
95 teeth	15.120"	15.066"	384.04mm	382.67mm
96 teeth	15.279"	15.225"	388.08mm	386.71mm
97 teeth	15.438"	15.384"	392.13mm	390.75mm
98 teeth	15.597"	15.543"	396.17mm	394.80mm
99 teeth	15.756"	15.702"	400.21mm	398.84mm
100 teeth	15.915"	15.861"	404.25mm	402.88mm
101 teeth	16.075"	16.021"	408.30mm	406.92mm
102 teeth	16.234"	16.180"	412.34mm	410.97mm
103 teeth	16.393"	16.339"	416.38mm	415.01mm
104 teeth	16.552"	16.498"	420.42mm	419.05mm
105 teeth	16.711"	16.657"	424.47mm	423.09mm
106 teeth	16.870"	16.816"	428.51mm	427.14mm
107 teeth	17.030"	16.976"	432.55mm	431.18mm
108 teeth	17.189"	17.135"	436.59mm	435.22mm
109 teeth	17.348"	17.294"	440.64mm	439.26mm
110 teeth	17.507"	17.453"	444.68mm	443.31mm
111 teeth	17.666"	17.612"	448.72mm	447.35mm
112 teeth	17.825"	17.771"	452.76mm	451.39mm
113 teeth	17.985"	17.931"	456.81mm	455.44mm
114 teeth	18.144"	18.090"	460.85mm	459.48mm
115 teeth	18.303"	18.249"	464.89mm	463.52mm
116 teeth	18.462"	18.408"	468.93mm	467.56mm
117 teeth	18.621"	18.567"	472.98mm	471.61mm
118 teeth	18.780"	18.726"	477.02mm	475.65mm
119 teeth	18.939"	18.885"	481.06mm	479.69mm
120 teeth	19.099"	19.045"	485.10mm	483.73mm
121 teeth	19.258"	19.204"	489.15mm	487.78mm
122 teeth	19.417"	19.363"	493.19mm	491.82mm
123 teeth	19.576"	19.522"	497.23mm	495.86mm
124 teeth	19.735"	19.681"	501.27mm	499.90mm
125 teeth	19.894"	19.840"	505.32mm	503.95mm
126 teeth	20.054"	20.000"	509.36mm	507.99mm
127 teeth	20.213"	20.159"	513.40mm	512.03mm

Number of Teeth	Inches (in)		Metric (mm)	
	Pitch Diameter (PD)	Outside Diameter (O.D.)	Pitch Diameter (PD)	Outside Diameter (O.D.)
128 teeth	20.372"	20.318"	517.44mm	516.07mm
129 teeth	20.531"	20.477"	521.49mm	520.12mm
130 teeth	20.690"	20.636"	525.53mm	524.16mm
131 teeth	20.849"	20.795"	529.57mm	528.20mm
132 teeth	21.008"	20.954"	533.61mm	532.24mm
133 teeth	21.168"	21.114"	537.66mm	536.29mm
134 teeth	21.327"	21.273"	541.70mm	540.33mm
135 teeth	21.486"	21.432"	545.74mm	544.37mm
136 teeth	21.645"	21.591"	549.79mm	548.41mm
137 teeth	21.804"	21.750"	553.83mm	552.46mm
138 teeth	21.963"	21.909"	557.87mm	556.50mm
139 teeth	22.123"	22.069"	561.91mm	560.54mm
140 teeth	22.282"	22.228"	565.96mm	564.58mm
141 teeth	22.441"	22.387"	570.00mm	568.63mm
142 teeth	22.600"	22.546"	574.04mm	572.67mm
143 teeth	22.759"	22.705"	578.08mm	576.71mm
144 teeth	22.918"	22.864"	582.13mm	580.75mm
145 teeth	23.077"	23.023"	586.17mm	584.80mm
146 teeth	23.237"	23.183"	590.21mm	588.84mm
147 teeth	23.396"	23.342"	594.25mm	592.88mm
148 teeth	23.555"	23.501"	598.30mm	596.92mm
149 teeth	23.714"	23.660"	602.34mm	600.97mm
150 teeth	23.873"	23.819"	606.38mm	605.01mm
151 teeth	24.032"	23.978"	610.42mm	609.05mm
152 teeth	24.192"	24.138"	614.47mm	613.09mm
153 teeth	24.351"	24.297"	618.51mm	617.14mm
154 teeth	24.510"	24.456"	622.55mm	621.18mm
155 teeth	24.669"	24.615"	626.59mm	625.22mm
156 teeth	24.828"	24.774"	630.64mm	629.26mm
157 teeth				
158 teeth				
159 teeth				
160 teeth				
161 teeth				
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163 teeth				
164 teeth				
165 teeth				
166 teeth				
167 teeth				

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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				
169 teeth				
170 teeth				
171 teeth				
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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.)
208 teeth				
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