

G&amp;J

**HALL**  
TOOLS**POWERBOR®****EXTRA LONG ANNULAR CUTTERS**

85MM AND 110MM CUT DEPTH

**POWERBOR® CUTTER AVAILABILITY - METRIC**

STANDARD M2 HSS			
POWERBOR M2 CUT DEPTH 85MM		POWERBOR M2 CUT DEPTH 110MM	
DIA. MM.	AVAILABILITY	DIA. MM.	AVAILABILITY
18	*	18	*
19	*	19	*
20	*	20	*
21	*	21	*
22	*	22	*
23	*	23	*
24	*	24	*
25	*	25	*
26	*	26	*
27	*	27	*
28	*	28	*
29	*	29	*
30	*	30	*
31	*	31	*
32	*	32	*
33	*	33	*
34	*	34	*
35	*	35	*
36	*	36	*
37	*	37	*
38	*	38	*
39	*	39	*
40	*	40	*
41	*	41	*
42	*	42	*
43	*	43	*
44	*	44	*
45	*	45	*
46	*	46	*
47	*	47	*
48	*	48	*
49	*	49	*
50	*	50	*
51	*	51	*
52	*	52	*
53	*	53	*
54	*	54	*
55	*	55	*
56	*	56	*
57	*	57	*
58	*	58	*
59	*	59	*
60	*	60	*
61	*	61	*
62	*	62	*
63	*	63	*
64	*	64	*
65	*	65	*

3/4" SHANK

STANDARD M2 HSS			
POWERBOR M2 CUT DEPTH 85MM		POWERBOR M2 CUT DEPTH 110MM	
DIA. MM.	AVAILABILITY	DIA. MM.	AVAILABILITY
66	*	66	*
67	*	67	*
68	*	68	*
69	*	69	*
70	*	70	*
71	*	71	*
72	*	72	*
73	*	73	*
74	*	74	*
75	*	75	*
76	*	76	*
77	*	77	*
78	*	78	*
79	*	79	*
80	*	80	*
81	*	81	*
82	*	82	*
83	*	83	*
84	*	84	*
85	*	85	*
86	*	86	*
87	*	87	*
88	*	88	*
89	*	89	*
90	*	90	*
91	*	91	*
92	*	92	*
93	*	93	*
94	*	94	*
95	*	95	*
96	*	96	*
97	*	97	*
98	*	98	*
99	*	99	*
100	*	100	*

1 1/4" SHANK

- SHORT PILOT PIN FOR 85 MM CUTTERS

- LONG PILOT PIN FOR 110 MM CUTTERS

**RECOMMENDED CUTTING SPEEDS FOR HSS POWERBOR® CUTTERS**

CUTTER DIAMETER	HIGH TENSILE STEEL	MILD STEEL
MM	RPM	RPM
18	159	424
20	143	382
22	130	347
24	119	318
26	110	294
28	102	273
30	95	255
32	90	239
34	84	225
36	80	212
38	75	201
40	72	191
42	68	182
44	65	174
46	62	166
48	60	159
50	57	153
52	55	147
54	53	141
56	51	136
58	49	132
60	48	127
62	46	123
64	45	119
66	43	116
68	42	112
70	41	109
72	40	106
74	39	103
76	38	101
78	37	98
80	36	95
82	35	93
84	34	91
86	33	89
88	33	87
90	32	85
92	31	83
94	30	81
96	30	80
98	29	78
100	29	76

**PERIPHERAL SPEED**

- MILD STEEL:  
24 m/min - 80 ft/min
- HIGH TENSILE STEEL:  
9 m/min - 30 ft/min

**Distributed by**

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