

Dividing Chart for plain indexing

worm ratio =	90 :1
One handle rotation =	4 deg.

-for any row where the "Number of Additional Holes" is zero only full rotations are used, therefore any plate will work.

Desired Number of Divisions	Division Angle	Dividing Plate Hole Circle	Number of Full Turns	Number of Additional Holes
(sides)	(deg)			
1	360	any	90	0
2	180	34	45	0
3	120	34	30	0
4	90	34	22	17
5	72	34	18	0
6	60	34	15	0
7	51.42857	56	12	48
8	45	44	11	11
9	40	34	10	0
10	36	34	9	0
11	32.72727	44	8	8
12	30	34	7	17
13	27.69231	52	6	48
14	25.71429	49	6	21
15	24	34	6	0
16	22.5	64	5	40
17	21.17647	51	5	15
18	20	34	5	0
19	18.94737	38	4	28
20	18	34	4	17
21	17.14286	49	4	14
22	16.36364	44	4	4
23	15.65217	46	3	42
24	15	44	3	33
25	14.4	50	3	30
26	13.84615	39	3	18
27	13.33333	54	3	18
28	12.85714	56	3	12
29	12.41379	58	3	6
30	12	34	3	0
31	11.6129	62	2	56
32	11.25	64	2	52
33	10.90909	44	2	32
34	10.58824	34	2	22
35	10.28571	56	2	32
36	10	34	2	17
37	9.72973	37	2	16
38	9.473684	38	2	14
39	9.230769	39	2	12
40	9	44	2	11
41	8.780488	41	2	8
42	8.571429	49	2	7
43	8.372093	43	2	4
44	8.181818	44	2	2
45	8	34	2	0

Desired Number of Divisions	Division Angle	Dividing Plate Hole Circle	Number of Full Turns	Number of Additional Holes
(sides)	(deg)			
46	7.826087	46	1	44
47	7.659574	47	1	43
48	7.5	64	1	56
49	7.346939	49	1	41
50	7.2	50	1	40
51	7.058824	34	1	26
52	6.923077	52	1	38
53	6.792453	53	1	37
54	6.666667	54	1	36
55	6.545455	44	1	28
56	6.428571	56	1	34
57	6.315789	38	1	22
58	6.206897	58	1	32
59	6.101695	59	1	31
60	6	34	1	17
61	5.901639	61	1	29
62	5.806452	62	1	28
63	5.714286	49	1	21
64	5.625	64	1	26
65	5.538462	39	1	15
66	5.454545	44	1	16
68	5.294118	34	1	11
69	5.217391	46	1	14
70	5.142857	49	1	14
72	5	64	1	16
74	4.864865	37	1	8
75	4.8	50	1	10
76	4.736842	38	1	7
78	4.615385	39	1	6
80	4.5	64	1	8
81	4.444444	54	1	6
82	4.390244	41	1	4
84	4.285714	56	1	4
85	4.235294	34	1	2
86	4.186047	43	1	2
87	4.137931	58	1	2
88	4.090909	44	1	1
90	4	34	1	0
92	3.913043	46	0	45
93	3.870968	62	0	60
94	3.829787	47	0	45
95	3.789474	38	0	36
96	3.75	64	0	60
98	3.673469	49	0	45
99	3.636364	44	0	40

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Desired Number of Divisions	Division Angle	Dividing Plate Hole Circle	Number of Full Turns	Number of Additional Holes
(sides)	(deg)			
100	3.6	50	0	45
102	3.529412	34	0	30
104	3.461538	52	0	45
105	3.428571	49	0	42
106	3.396226	53	0	45
108	3.333333	54	0	45
110	3.272727	44	0	36
111	3.243243	37	0	30
112	3.214286	56	0	45
114	3.157895	38	0	30
115	3.130435	46	0	36
116	3.103448	58	0	45
117	3.076923	39	0	30
118	3.050847	59	0	45
120	3	64	0	48
122	2.95082	61	0	45
123	2.926829	41	0	30
124	2.903226	62	0	45
125	2.88	50	0	36
126	2.857143	49	0	35
128	2.8125	64	0	45
129	2.790698	43	0	30
130	2.769231	39	0	27
132	2.727273	44	0	30
135	2.666667	39	0	26
136	2.647059	68	0	45
138	2.608696	46	0	30
140	2.571429	56	0	36
141	2.553191	47	0	30
144	2.5	64	0	40
145	2.482759	58	0	36
147	2.44898	49	0	30
150	2.4	50	0	30
153	2.352941	34	0	20
155	2.322581	62	0	36
156	2.307692	52	0	30
159	2.264151	53	0	30
160	2.25	64	0	36
162	2.222222	54	0	30
165	2.181818	44	0	24
168	2.142857	56	0	30
170	2.117647	34	0	18
171	2.105263	38	0	20
174	2.068966	58	0	30
177	2.033898	59	0	30

Desired Number of Divisions	Division Angle	Dividing Plate Hole Circle	Number of Full Turns	Number of Additional Holes
(sides)	(deg)			
180	2	64	0	32
185	1.945946	37	0	18
190	1.894737	38	0	18
192	1.875	64	0	30
195	1.846154	39	0	18
198	1.818182	44	0	20
200	1.8	100	0	45
204	1.764706	34	0	15
205	1.756098	41	0	18
210	1.714286	49	0	21
215	1.674419	43	0	18
220	1.636364	44	0	18
225	1.6	50	0	20
230	1.565217	46	0	18
235	1.531915	47	0	18
240	1.5	56	0	21
245	1.469388	49	0	18
250	1.44	50	0	18
255	1.411765	34	0	12
260	1.384615	52	0	18
265	1.358491	53	0	18
270	1.333333	39	0	13
280	1.285714	56	0	18
285	1.263158	38	0	12
288	1.25	64	0	20
290	1.241379	58	0	18
295	1.220339	59	0	18
300	1.2	50	0	15
305	1.180328	61	0	18
310	1.16129	62	0	18
315	1.142857	49	0	14
320	1.125	64	0	18
324	1.111111	54	0	15
330	1.090909	44	0	12
340	1.058824	34	0	9
345	1.043478	46	0	12
350	1.028571	35	0	9
360	1	44	0	11