INDEX TABLE

FOR

11-INCH UNIVERSAL DIVIDING HEAD

MANUFACTURED BY

L-W CHUCK CO.

TOLEDO, OHIO, U.S.A.

No. 1 Cutter cuts Gear from 135 teeth to a rack.
" 2 " " " 55 " " 134 teeth.
" 3 " " " 35 " " 54 "
" 4 " " " 26 " " 34 "

No. 5 Cutter cuts Gear from 21 teeth to 25 teeth.
" 6 " " " 17 " " 20 "
" 7 " " " 14 " " 16 "
" 8 " " " 12 " " 13 "

Pitch of Cutter	1 1-2	1 3-4	2	2 1-4	2 1-2	2 3-4	3	3 1-2	4	5	6	7	8	9	10	11	12	14	16	18	20	22	24	30	32	36
Depth to be cut in Gear	1.438"	1.233"	1.078"	.959"	.863"	.784"	.719"	.616"	.539"	.431"	.360"	.308"	.270"	.240"	.216"	.196"	.180"	.154"	.135"	.120"	.108"	.098"	.090"	.072"	.067"	.060"
Tooth Thickness at Pitch Line	1.047	.898	.785	.698	.628	.571	.524	.449	.393	.314	.262	.224	.196	.175	.157	.143	.131	.112	.098	.087	.079	.071	.065	.052	.049	.044

NUMBER OF DIVISIONS	INDEX CIRCLE	No. OF TURNS OF INDEX
2	Any	20
3	39	13 13/39
	33	13 11/33
	18	13 6/18
4	Any	10
5	Any	8
6	39	6 26/39
	33	6 22/33
	18	6 12/18
7	49	5 35/49
	21	5 15/21
8	Any	5
9	27	4 12/27
	18	4 8/18
10	Any	4
11	33	3 21/33
12	39	3 13/39
	33	3 11/33
	18	3 6/18
13	39	3 3/39
14	49	2 42/49
	21	2 18/21
15	39	2 26/39
	33	2 22/33
	18	2 12/18
16	20	2 10/20
17	17	2 6/17
18	27	2 6/27
	18	2 4/18
19	19	2 2/19
20	Any	2
21	21	1 19/21
22	33	1 27/33
23	23	1 17/23
24	33	1 22/33
	18	1 12/18
25	20	1 12/20
26	39	1 21/39
27	27	1 13/27
28	49	1 21/49
	21	1 9/21
29	29	1 11/29
30	39	1 13/39
	33	1 11/33
	18	1 6/18
31	31	1 9/31
32	20	1 5/20
33	33	1 7/33
34	17	1 3/17
35	49	1 7/49
	21	1 3/21
36	27	1 3/27
	18	1 2/18
37	37	1 3/37
38	19	1 1/19
39	39	1 1/39
40	Any	1
41	41	1 1/41
42	21	20/21
43	43	40/43
44	33	30/33
45	27	24/27
	18	16/18
46	23	20/23
47	47	40/47
48	18	15/18
49	49	40/49
50	20	16/20
52	39	30/39
54	27	20/27
55	33	24/33
56	49	35/49
	21	15/21
58	29	20/29
60	39	26/39
	33	22/33
	18	12/18
62	31	20/31
64	16	10/16
65	39	24/39
66	33	20/33
68	17	10/17
70	49	28/49
	21	12/21
72	27	15/27
	18	10/18
74	37	20/37
75	15	8/15
76	19	10/19
78	39	20/39
80	20	10/20
82	41	20/41
84	21	10/21
85	17	8/17
86	43	20/43
88	33	15/33
90	27	12/27
	18	8/18
92	23	10/23
94	47	20/47
95	19	8/19
98	49	20/49
100	20	8/20
104	39	15/39
105	21	8/21
108	27	10/27
110	33	12/33
115	23	8/23
116	29	10/29
120	39	13/39
	33	11/33
	18	6/18
124	31	10/31
128	16	5/16
130	39	12/39
132	33	10/33
135	27	8/27
136	17	5/17
140	49	14/49
	21	6/21
144	18	5/18
145	29	8/29
148	37	10/37
150	15	4/15
152	19	5/19
155	31	8/31
156	39	10/39
160	20	5/20
164	41	10/41
165	33	8/33
168	21	5/21
170	17	4/17
172	43	10/43
180	27	6/27
	18	4/18
184	23	5/23
185	37	8/37
188	47	10/47
190	19	4/19
195	39	8/39
196	49	10/49
200	20	4/20
205	41	8/41
210	21	4/21
215	43	8/43
216	27	5/27
220	33	6/33
230	23	4/23
232	29	5/29
235	47	8/47
240	18	3/18
245	49	8/49
248	31	5/31
260	39	6/39
264	33	5/33
270	27	4/27
280	49	7/49
	21	3/21
290	29	4/29
296	37	5/37
300	15	2/15
310	31	4/31
312	39	5/39
320	16	2/16
328	41	5/41
330	33	4/33
340	17	2/17
344	43	5/43
360	27	3/27
	18	2/18
370	37	4/37
376	47	5/47
380	19	2/19

Two spaces between holes of the 18 circle equals one degree.
Or three spaces between holes of 27 circle equals one degree.