

1876

ATTARST.
1800-tal
OKAT

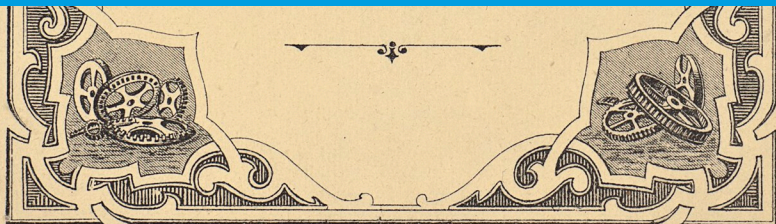


Ur KB:s samlingar

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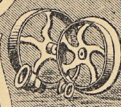
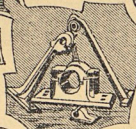


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1876

ATTARST.
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OKAT



FÖRTECKNING
Å

MODELLER

till

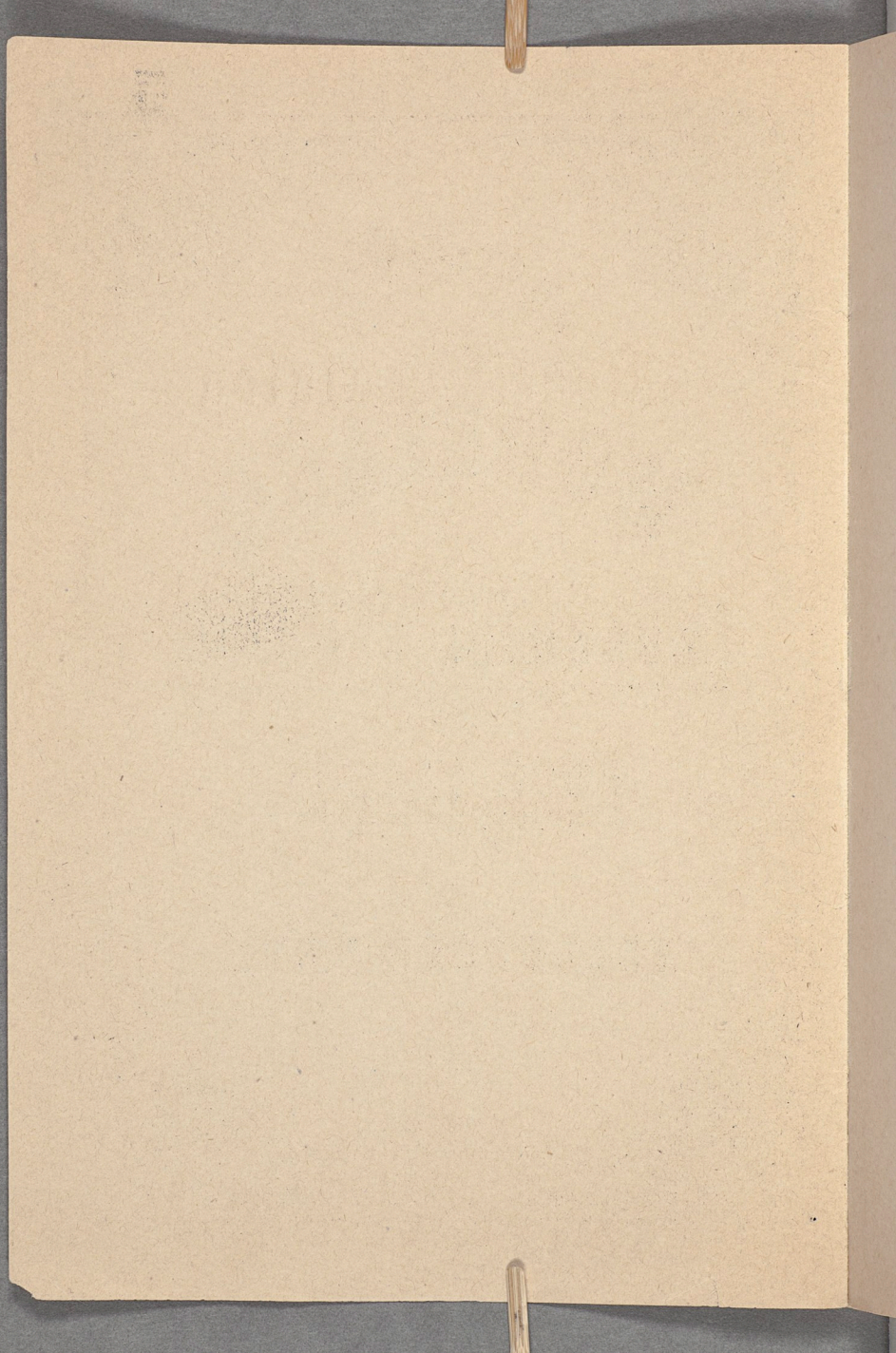
KUGGHJUL, REMHJUL

OCH LAGER

vid

HELLEFORS BRUK





Modell-Katalog

VID

HELLEFORS BRUK

I

SÖDERMANLAND.



NORRKÖPING,
Lithografiska Aktie-Bolaget.
1876.

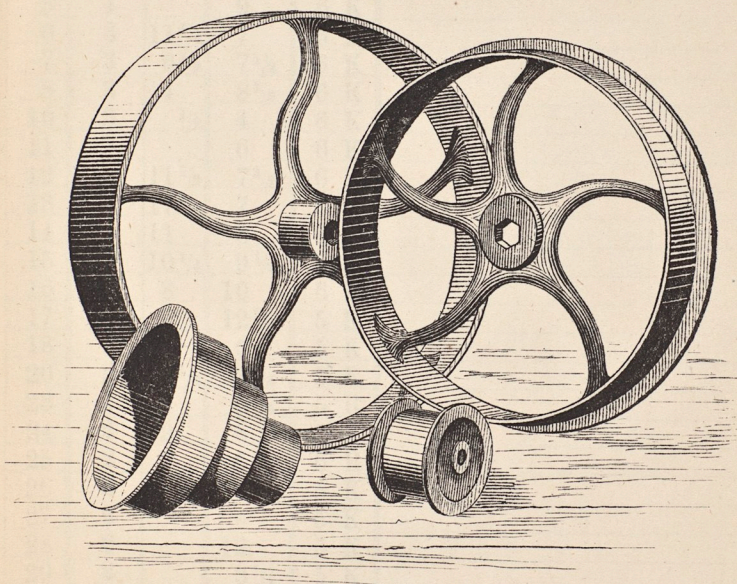
Nobel-Katalog



VERKÄUFLER
FABRIKANTEN

1871





Resultat

No	Gunnar Punkter	Prest Punkter	Juniör Punkter	Anmärkning	
	tot	tot	tot	antal	
1	5		12	OK	
2	3		8	OK	
3	4		9	OK	
4	3	11 ¹	7	OK	
5	3	8 ¹	7 ¹	OK	
6	3	4	8 ¹	OK	
7	3	1 ¹	4	OK	
8	3	3	6	OK	
9	3	3	6	OK	
10	3	3	6	OK	
11	3	3	6	OK	
12	3	3	6	OK	
13	3	3	6	OK	
14	3	3	6	OK	
15	3	3	6	OK	
16	3	3	6	OK	
17	3	3	6	OK	
18	3	3	6	OK	
19	3	3	6	OK	
20	3	3	6	OK	
21	3	3	6	OK	
22	3	3	6	OK	
23	3	3	6	OK	
24	3	3	6	OK	
25	3	3	6	OK	
26	3	3	6	OK	
27	3	3	6	OK	
28	3	3	6	OK	
29	3	3	6	OK	
30	3	3	6	OK	
31	3	3	6	OK	
32	3	3	6	OK	
33	3	3	6	OK	
34	3	3	6	OK	
35	3	3	6	OK	
36	3	3	6	OK	
37	3	3	6	OK	
38	3	3	6	OK	
39	3	3	6	OK	
40	3	3	6	OK	
41	3	3	6	OK	
42	3	3	6	OK	

Remhjul.

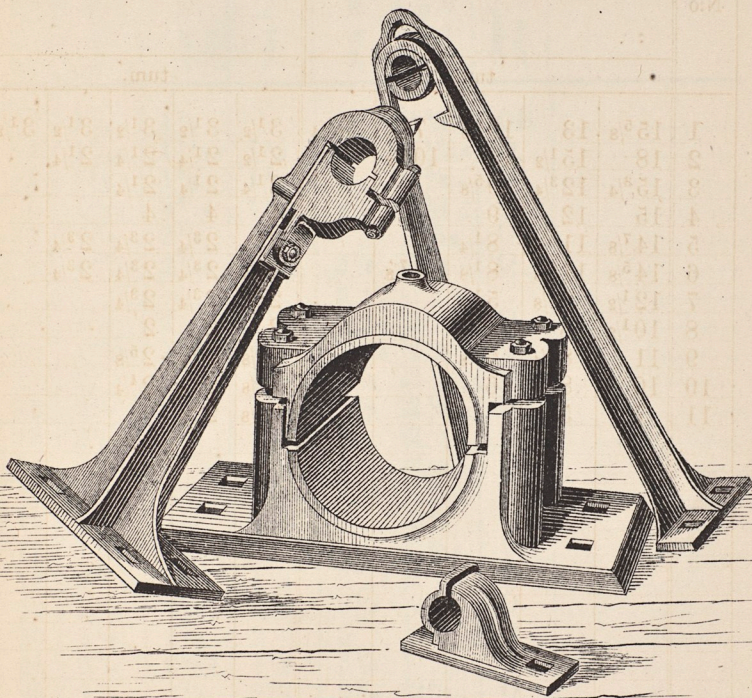
N:o	Ringens diameter		Ringens bredd	Armarnes	Anmärkningar.
	fot	tum	tum	antal	
1	5		12	6 K	
2	5		6	6 K	
5	4		9	6 K	
6	3	11 ¹ / ₄	7	6 K	
7	3	6 ¹ / ₂	7 ¹ / ₂	6 K	
8	3	4	8 ¹ / ₂	6 K	
10	3	¹ / ₂	4	6 K	
11	3		6	6 K	
12	2	11 ¹ / ₂	7 ¹ / ₂	6 K	
13	2	11 ¹ / ₄	7	6 K	
14	2	11	8	6 K	
15	2	10 ¹ / ₄	9 ¹ / ₂	5 K	
16	2	8	10	6 K	
17	2	7	12 ¹ / ₂	5 K	
18	2	6	6	5 K	
20	2	5 ¹ / ₄	3 ³ / ₄	5 K	
23	2	2	6 ³ / ₄	5 R	
24	2	2	6	5 K	
25	2	1	6	6 R	
26	2		5	5 K	
27	2		6	5 K	
28	2		12	5 K	
29	2		3 ¹ / ₄	5 K	
32	1	10	6 ¹ / ₂	5 K	
34	1	8	5	5 K	
35	1	8	6	5 K	
36	1	7 ¹ / ₂	6	4 R	
38	1	6	5	5 K	
39	1	6	3 ³ / ₄	5 K	
40	1	6	7	5 K	
42	1	5 ⁷ / ₈	3 ⁷ / ₈	5 K	

Remhjul.

N:o	Ringens diameter		Ringens bredd	Armarnas	Anmärkningar.
	fot	tum	tum	antal	
44	1	5 ¹ / ₂	3	5 K	
45	1	5	12 ¹ / ₂	4 K	
46	1	4 ¹ / ₄	8	5 K	
47	1	4 ³ / ₈	6 ¹ / ₄	5 K	
48	1	4	4	5 K	
49	1	4	5	5 K	
50	1	4	3 ¹ / ₄	5 K	
53	1	3 ¹ / ₈	4	5 K	
54	1	2 ⁷ / ₈	6	5 K	
55	1	2 ⁵ / ₈	6 ¹ / ₄	4 K	
56	1	2 ³ / ₈	4 ¹ / ₂	4 K	
57	1	2 ¹ / ₂	4	4 K	
61	1	1 ¹ / ₄	4 ⁷ / ₈	3 K	
62	1	1 ¹ / ₄	3	4 K	
63	1	1	3	5 K	
66	1	³ / ₄	3	5 K	
67	1		9	5 K	
68	1		6	5 K	
69	1		4 ¹ / ₄	5 K	
70	1		2 ¹ / ₂	5 K	
71		11 ³ / ₄	2 ³ / ₈	5 K	
72		11 ³ / ₄	3	H	
73		11 ¹ / ₂	5	5 R	
77		10	12	H	
78		10	6	H	
79		10 ¹ / ₈	3 ⁵ / ₈	H	
80		10	2	5 R	
81		10	2	5 R	
82		9 ³ / ₄	3 ¹ / ₂	H	
84		9	7 ¹ / ₂	H	
85		9	4 ¹ / ₂	H	

Remhjul.

N:o	Ringens diameter		Ringens bredd.	Armarnes antal	Anmärkningar.
	fot	tum	tum		
86		9	$3\frac{1}{8}$	4 K	
87		$8\frac{3}{4}$	$2\frac{3}{8}$	H	
88		8	4	4 K	
89		8	$7\frac{1}{4}$	H	
90		8	$3\frac{1}{2}$	H	
91		8	3	H	
92		$7\frac{3}{4}$	$1\frac{7}{8}$	H	
93		$7\frac{1}{4}$	2	H	
94		7	5	H	
95		$6\frac{3}{4}$	4	H	Kullrig.
96		6	3	H	
97		$5\frac{7}{8}$	$5\frac{7}{8}$	H	
98		$5\frac{7}{8}$	4	H	
99		$5\frac{7}{8}$	$2\frac{1}{4}$	H	
100		$5\frac{7}{8}$	$2\frac{1}{4}$	H	
101		$5\frac{1}{2}$	$2\frac{7}{8}$	H	
102		5	4	H	
103		5	$1\frac{1}{2}$	H	
104		5	$2\frac{1}{2}$	H	
105		$4\frac{3}{4}$	$2\frac{1}{4}$	H	
106		$4\frac{3}{4}$	$3\frac{3}{4}$	H	Kullrig.
107		4	3	H	Kullrig.
108		$3\frac{7}{8}$	$1\frac{7}{8}$	H	
109		$3\frac{5}{8}$	$1\frac{5}{8}$	H	
110		3	$1\frac{1}{2}$	H	
111		$2\frac{7}{8}$	$1\frac{7}{8}$	H	



No.	Temperature		Baromet. Press.		Wind	Direction	Force	Remarks
	Bar.	Therm.	Bar.	Therm.				
1	30.0	48.0	30.0	48.0				
2	30.0	48.0	30.0	48.0				
3	30.0	48.0	30.0	48.0				
4	30.0	48.0	30.0	48.0				
5	30.0	48.0	30.0	48.0				
6	30.0	48.0	30.0	48.0				
7	30.0	48.0	30.0	48.0				
8	30.0	48.0	30.0	48.0				
9	30.0	48.0	30.0	48.0				
10	30.0	48.0	30.0	48.0				
11	30.0	48.0	30.0	48.0				
12	30.0	48.0	30.0	48.0				
13	30.0	48.0	30.0	48.0				
14	30.0	48.0	30.0	48.0				
15	30.0	48.0	30.0	48.0				
16	30.0	48.0	30.0	48.0				
17	30.0	48.0	30.0	48.0				
18	30.0	48.0	30.0	48.0				
19	30.0	48.0	30.0	48.0				
20	30.0	48.0	30.0	48.0				
21	30.0	48.0	30.0	48.0				
22	30.0	48.0	30.0	48.0				
23	30.0	48.0	30.0	48.0				
24	30.0	48.0	30.0	48.0				
25	30.0	48.0	30.0	48.0				
26	30.0	48.0	30.0	48.0				
27	30.0	48.0	30.0	48.0				
28	30.0	48.0	30.0	48.0				
29	30.0	48.0	30.0	48.0				
30	30.0	48.0	30.0	48.0				
31	30.0	48.0	30.0	48.0				
32	30.0	48.0	30.0	48.0				
33	30.0	48.0	30.0	48.0				

No.

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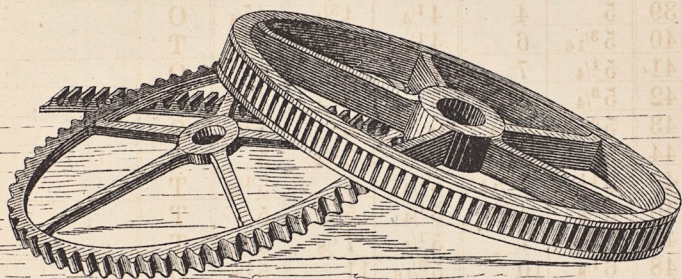
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Lager.

N:o	Tackjernslagret.		Metall-lagret.		Höjd till centrum, tum.	För talj- eller ojesmörjning.	Anmärkningar.
	Diam. tum.	Bredd tum.	Diam. tum.	Bredd tum.			
3	1 ¹ / ₄	1 ⁷ / ₈			1 ³ / ₈	OB	
4	1 ⁹ / ₁₆	1 ¹¹ / ₁₆	1 ¹ / ₄	2 ¹ / ₈	1 ¹³ / ₁₆	O	
5	1 ⁵ / ₈	1 ⁵ / ₈	1 ¹ / ₄	2	1 ⁵ / ₈	O	
6	1 ⁹ / ₁₆	3 ⁹ / ₁₆	1 ¹ / ₄	4 ¹ / ₈	1 ³ / ₄	O	
7	1 ³ / ₄	2 ¹ / ₄			2 ¹ / ₁₆	O	
8	1 ¹³ / ₁₆	2 ⁷ / ₁₆	1 ⁷ / ₁₆	2 ⁷ / ₈	1 ⁷ / ₈	O	
				3			
9	1 ⁷ / ₈	2	1 ¹ / ₂	2 ⁹ / ₁₆	2 ¹ / ₄	O	
10	1 ¹⁵ / ₁₆	1 ³ / ₄	1 ¹ / ₂	2 ³ / ₁₆	2 ¹ / ₂	O	
11	2	1 ³ / ₄	1 ⁵ / ₈	2 ¹ / ₈	2	O	
12	2 ¹ / ₈	2	1 ³ / ₄	2 ⁵ / ₈	2 ¹ / ₂	O	
13	2 ¹ / ₄	2 ¹ / ₂	1 ³ / ₄	3	2 ¹ / ₂	O	
14	2 ³ / ₁₆	1 ¹³ / ₁₆	1 ³ / ₄	2 ¹ / ₄	2 ¹ / ₂	O	
15	2 ¹ / ₈	2 ³ / ₄	1 ⁹ / ₁₆	3 ³ / ₈	1 ⁷ / ₈	O	
16	2 ¹ / ₄	2 ¹ / ₂	1 ³ / ₄	3	2 ³ / ₈	O	
17	1 ⁷ / ₈	4			2 ⁹ / ₁₆	OB	
18	2 ⁵ / ₁₆	2 ¹ / ₈	1 ⁷ / ₈	2 ⁹ / ₁₆	2 ¹ / ₂	O	
19	2 ¹ / ₄	2 ⁵ / ₈	1 ⁷ / ₈	3 ¹ / ₄	2 ¹ / ₂	O	
20	2 ¹ / ₂	2 ¹ / ₂	2	3	2 ⁵ / ₈	O	
21	2 ³ / ₈	2 ⁹ / ₁₆	1 ⁷ / ₈	3 ¹ / ₈		O	
22	2 ³ / ₄	2 ¹ / ₄	2 ¹ / ₈	2 ³ / ₄	2 ⁵ / ₈	O	
23	2 ⁷ / ₈	2 ¹ / ₂	2 ¹ / ₄	3 ¹ / ₄	2 ⁷ / ₈	OT	
25	3	3 ¹ / ₂	2 ⁵ / ₁₆	5	3 ¹ / ₈	T	
26	3 ¹ / ₈	2 ¹⁵ / ₁₆	2 ¹ / ₂	4	3	O	
27	3 ¹ / ₄	3 ¹ / ₂	2 ³ / ₄	4	3 ³ / ₈	T	
28	3 ¹ / ₄	4 ¹ / ₁₆	2 ³ / ₄	5 ³ / ₈	3 ¹ / ₈	O	
29	3 ¹ / ₂	2 ⁷ / ₈	2 ¹⁵ / ₁₆	3 ³ / ₄	3 ¹ / ₂	O	
30	3 ⁹ / ₁₆	4	3	4 ³ / ₄	3 ¹ / ₂	OT	
31	3 ³ / ₄	3 ¹ / ₂	3 ¹ / ₈	4 ¹ / ₂	3 ¹ / ₂	O	
32	3 ³ / ₄	8			3 ¹ / ₂	T	
33	4 ¹ / ₈	3 ⁷ / ₈	3 ³ / ₈	4 ³ / ₄	3 ⁷ / ₈	O	

Lager.

[illegible]



Cylindriska Kugghjul.

N:o	Kuggarnes				Diameter i delnings-cirkeln		Armarnes antal.	Anmärkningar
	Delning verktum.	Antal.	Höjd verktum.	Bredd verktum.	fot.	tum.		
1	0,392	33	$\frac{9}{32}$	$\frac{15}{16}$		$4\frac{1}{8}$	H	
2	0,392	42	$\frac{5}{16}$	$1\frac{3}{8}$		$5\frac{9}{32}$	H	
3	0,386	32	$\frac{5}{16}$	$\frac{7}{8}$		$3\frac{15}{16}$	H	
4	0,386	64	$\frac{5}{16}$	$\frac{7}{8}$		$7\frac{7}{8}$	H	
5	0,390	100	$\frac{9}{32}$	$1\frac{1}{8}$	1	$\frac{7}{16}$	5 R	
6	0,390	19	$\frac{9}{32}$	$1\frac{3}{16}$		$2\frac{3}{8}$	H	
7	0,385	28	$\frac{9}{32}$	$1\frac{3}{16}$		$3\frac{7}{16}$	H	
9	0,447	36	$\frac{3}{8}$	$1\frac{1}{4}$		$5\frac{1}{8}$	H	
12	0,53	26	$\frac{7}{16}$	$1\frac{1}{4}$		$4\frac{3}{8}$	H	
15	0,56	14	$\frac{7}{16}$	$\frac{7}{8}$		$2\frac{1}{2}$	H	
16	0,56	58	$\frac{7}{16}$	$\frac{7}{8}$		$10\frac{3}{8}$	5 R	
19	0,58	75	$\frac{3}{8}$	$1\frac{1}{4}$	1	$2\frac{1}{16}$	H	
20	0,58	20	$\frac{3}{8}$	$1\frac{5}{16}$		$3\frac{13}{16}$	H	
24	0,61	60	$\frac{3}{8}$	$1\frac{7}{8}$		$11\frac{11}{16}$	H	
25	0,61	20	$\frac{3}{8}$	$1\frac{7}{8}$		$3\frac{7}{8}$	H	
28	0,62	75	$\frac{7}{16}$	$1\frac{7}{16}$	1	$2\frac{3}{4}$	6 R	
29	0,62	16	$\frac{5}{16}$	$1\frac{9}{16}$		$3\frac{3}{16}$	H	
30	0,62	108	$\frac{7}{16}$	$1\frac{1}{4}$	1	$9\frac{5}{16}$	6 R	
31	0,62	45	$\frac{7}{16}$	$1\frac{5}{16}$		$8\frac{7}{8}$	7 R	
32	0,62	16	$\frac{3}{8}$	$1\frac{1}{4}$		$3\frac{3}{16}$	H	
34	0,62	56	$\frac{7}{16}$	$1\frac{1}{4}$		$11\frac{3}{32}$	H	
35	0,62	35	$\frac{7}{16}$	$1\frac{1}{4}$		$6\frac{15}{16}$	H	
36	0,62	54	$\frac{7}{16}$	$1\frac{1}{4}$		$10\frac{23}{32}$	H	
37	0,62	45	$\frac{7}{16}$	$1\frac{1}{4}$		$8\frac{15}{16}$	H	
38	0,62	41	$\frac{7}{16}$	$1\frac{1}{4}$		$8\frac{1}{8}$	H	
39	0,625	36	$\frac{7}{16}$	$1\frac{1}{4}$		$7\frac{3}{16}$	H	
40	0,625	27	$\frac{7}{16}$	$1\frac{1}{4}$		$5\frac{3}{8}$	H	
41	0,625	50	$\frac{7}{16}$	$1\frac{1}{4}$		10	H	
42	0,625	40	$\frac{7}{16}$	$1\frac{1}{4}$		8	H	
43	0,625	64	$\frac{7}{16}$	$1\frac{3}{8}$	1	$\frac{3}{4}$	H	
44	0,625	25	$\frac{7}{16}$	$1\frac{3}{8}$		5	H	

Cylindriska Kugghjul.

N:o	Kuggarnes				Diameter i delnings-cirkeln.		Armarnes antal.	Anmärkningar
	Delning vektum.	Antal.	Höjd vektum.	Bredd vektum.				
					fot.	tum.		
45	0,625	19	$\frac{7}{16}$	$1\frac{3}{8}$		$3\frac{13}{16}$	H	
46	0,625	18	$\frac{7}{16}$	$1\frac{3}{8}$		$3\frac{19}{32}$	H	
47	0,646	54	$\frac{7}{16}$	$1\frac{1}{16}$		$11\frac{1}{8}$	6 R	
50	0,638	15	$\frac{1}{2}$	$1\frac{3}{8}$		$3\frac{1}{16}$	H	
51	0,638	14	$\frac{15}{32}$	$1\frac{3}{8}$		$2\frac{7}{8}$	H	
56	0,714	68	$\frac{9}{16}$	$1\frac{9}{16}$	1	$3\frac{15}{32}$	H	
57	0,714	16	$\frac{9}{16}$	$1\frac{13}{16}$		$3\frac{11}{16}$	H	
58	0,718	62	$\frac{1}{2}$	$1\frac{3}{4}$	1	$2\frac{3}{16}$	6 R	
59	0,720	22	$\frac{1}{2}$	$1\frac{3}{4}$		$5\frac{1}{16}$	H	
60	0,720	22	$\frac{1}{2}$	$1\frac{3}{4}$		$5\frac{1}{16}$	H	
61	0,720	22	$\frac{1}{2}$	3		$5\frac{1}{16}$	H	
62	0,718	16	$\frac{7}{16}$	$1\frac{3}{4}$		$3\frac{11}{16}$	H	
63	0,74	16	$\frac{1}{2}$	$1\frac{7}{16}$		$3\frac{25}{32}$	H	
65	0,74	21	$\frac{1}{2}$	$1\frac{3}{8}$		5	H	
66	0,74	10	$\frac{1}{2}$	$1\frac{5}{8}$		$2\frac{13}{32}$	H	
67	0,75	34	$\frac{1}{2}$	$1\frac{3}{8}$		$8\frac{1}{8}$	4 R	
68	0,76	11	$\frac{1}{2}$	$1\frac{3}{8}$		$2\frac{11}{16}$	H	
87	0,83	24	$\frac{9}{16}$	$1\frac{3}{4}$		$6\frac{13}{32}$	H	
88	0,83	22	$\frac{9}{16}$	$1\frac{3}{4}$		$5\frac{27}{32}$	H	
89	0,83	17	$\frac{9}{16}$	$1\frac{3}{4}$		$4\frac{17}{32}$	H	
90	0,83	11	$\frac{5}{8}$	$1\frac{7}{16}$		$2\frac{15}{16}$	H	
95	0,87	31	$\frac{11}{16}$	$1\frac{13}{16}$		$8\frac{5}{8}$	H	
96	0,875	57	$\frac{9}{16}$	$1\frac{7}{8}$	1	$3\frac{7}{8}$	5 R	
97	0,875	25	$\frac{9}{16}$	$1\frac{7}{8}$		$6\frac{31}{32}$	H	
98	0,875	36	$\frac{9}{16}$	$1\frac{7}{8}$		$10\frac{1}{32}$	H	
99	0,875	16	$\frac{9}{16}$	$1\frac{7}{8}$		$4\frac{15}{32}$	H	
100	0,88	100	$\frac{5}{8}$	$1\frac{15}{16}$	2	$4\frac{1}{4}$	6 R	
101	0,88	16	$\frac{5}{8}$	$1\frac{7}{8}$		$4\frac{9}{16}$	H	
102	0,86	10	$\frac{9}{16}$	$2\frac{1}{8}$		$2\frac{3}{4}$	H	
103	0,89	36	$\frac{5}{8}$	$2\frac{1}{8}$		$10\frac{3}{16}$	H	
104	0,89	54	$\frac{5}{8}$	$2\frac{1}{8}$	1	$3\frac{5}{16}$	H	

Cylindriska Kugghjul.

N:o	Kuggarnes				Diameter i delnings-cirkeln.		Armarnes antal.	Anmärkningar
	Delning verk-tum.	Antal.	Höjd verk-tum.	Bredd verk-tum.	fot.	tum.		
105	0,89	18	$\frac{5}{8}$	$2\frac{1}{8}$		$5\frac{1}{8}$	H	
106	0,89	61	$\frac{5}{8}$	$2\frac{1}{4}$	1	$5\frac{3}{8}$	H	
107	0,89	47	$\frac{5}{8}$	$2\frac{1}{4}$	1	$1\frac{3}{8}$	H	
108	0,89	15	$\frac{5}{8}$	$2\frac{1}{4}$		$4\frac{1}{4}$	H	
109	0,90	54	$1\frac{11}{16}$	$1\frac{5}{8}$	1	$3\frac{1}{2}$	4 K	
110	0,90	12	$1\frac{11}{16}$	$1\frac{11}{16}$		$3\frac{11}{16}$	H	
111	0,88	15	$\frac{5}{8}$	$1\frac{1}{2}$		$4\frac{1}{4}$	H	
120	0,96	21	$\frac{5}{8}$	$2\frac{3}{16}$		$6\frac{7}{16}$	H	
121	0,99	17	$\frac{3}{4}$	$2\frac{1}{8}$		$5\frac{3}{8}$	H	
122	0,99	16	$1\frac{11}{16}$	$2\frac{5}{8}$		$5\frac{1}{16}$	H	
124	0,54	14	$\frac{5}{16}$	$\frac{7}{8}$		$2\frac{7}{16}$	H	
140	1,	63	$1\frac{11}{16}$	$1\frac{1}{2}$	1	$8\frac{1}{16}$	6 R	
141	1,	14	$1\frac{11}{16}$	$1\frac{5}{8}$		$4\frac{15}{32}$	H	
142	1,	13	$1\frac{11}{16}$	$1\frac{5}{8}$		$4\frac{5}{32}$	H	
143	1,	12	$1\frac{11}{16}$	$1\frac{5}{8}$		$3\frac{7}{8}$	H	
144	1,	11	$\frac{5}{8}$	$1\frac{5}{8}$		$3\frac{17}{32}$	H	
145	1,	9	$1\frac{11}{16}$	$1\frac{3}{4}$		$2\frac{15}{16}$	H	
146	1,	115	$\frac{5}{8}$	$1\frac{1}{2}$	3	$\frac{5}{8}$	6 K	
147	1,	16	$\frac{5}{8}$	$1\frac{3}{4}$		$5\frac{1}{8}$	H	
148	1,	26	$\frac{5}{8}$	$1\frac{13}{16}$		$8\frac{9}{32}$	H	
149	1,	14	$\frac{5}{8}$	$1\frac{13}{16}$		$4\frac{1}{2}$	H	
150	1,	25	$\frac{5}{8}$	2		8	5 R	
151	1,	17	$\frac{3}{4}$	$2\frac{1}{8}$		$5\frac{15}{32}$	H	
152	1,	15	$1\frac{11}{16}$	$1\frac{1}{2}$		$4\frac{27}{32}$	H	
153	1,	47	$1\frac{11}{16}$	2	1	$2\frac{31}{32}$	H	
154	1,01	46	$1\frac{11}{16}$	$2\frac{1}{2}$	1	$2\frac{3}{4}$	H	
157	1,015	12	$1\frac{11}{16}$	$2\frac{1}{4}$		$3\frac{29}{32}$	H	
158	1,02	24	$1\frac{11}{16}$	$2\frac{3}{4}$		$7\frac{13}{16}$	H	
159	1,03	31	$1\frac{11}{16}$	$1\frac{5}{8}$		$10\frac{3}{16}$	H	
160	1,038	31	$1\frac{11}{16}$	$1\frac{15}{16}$		$10\frac{1}{4}$	H	
161	1,034	13	$1\frac{11}{16}$	$2\frac{3}{8}$		$4\frac{5}{16}$	H	

Cylindriska Kugghjul.

N:o	Kuggarnes				Diameter i delnings-cirkeln		Armarnes antal.	Anmärkningar
	Delning verktum.	Antal.	Höjd verktum.	Bredd verktum.	fot.	tum.		
170	1,062	104	$\frac{3}{4}$	2	2	$11\frac{3}{16}$	6 R	
171	1,062	18	$\frac{3}{4}$	$2\frac{3}{16}$		$6\frac{3}{32}$	H	
172	1,062	21	$\frac{3}{4}$	$2\frac{3}{16}$		$7\frac{3}{32}$	H	
173	1,059	29	$\frac{3}{4}$	$2\frac{3}{16}$		$9\frac{25}{32}$	H	
174	1,057	41	$\frac{3}{4}$	$2\frac{3}{16}$	1	$11\frac{13}{16}$	4 R	
178	1,068	13	$1\frac{1}{16}$	$1\frac{7}{8}$		$4\frac{15}{32}$	H	
179	1,08	15	$\frac{5}{8}$	$2\frac{1}{4}$		$5\frac{3}{16}$	H	
180	1,09	15	$\frac{5}{8}$	$1\frac{15}{16}$		$5\frac{1}{4}$	H	
184	1,10	15	$1\frac{1}{16}$	2		$5\frac{1}{4}$	H	
187	1,117	23	$\frac{13}{16}$	$2\frac{1}{2}$		$8\frac{3}{16}$	H	
188	1,117	13	$\frac{13}{16}$	$2\frac{1}{2}$		$4\frac{21}{32}$	H	
189	1,118	12	$\frac{13}{16}$	$2\frac{1}{2}$		$4\frac{5}{16}$	H	
190	1,118	25	$\frac{3}{4}$	$2\frac{11}{16}$		$8\frac{29}{32}$	H	
191	1,123	58	$\frac{3}{4}$	$1\frac{1}{2}$	1	$8\frac{3}{4}$	5 R	
192	1,123	11	$\frac{3}{4}$	$2\frac{1}{2}$		4	H	
193	1,125	16	$2\frac{3}{32}$	$1\frac{15}{16}$		$5\frac{3}{4}$	H	
194	1,125	7	$\frac{9}{16}$	$1\frac{1}{2}$		$2\frac{19}{32}$	H	
196	1,17	116	$\frac{7}{8}$	$2\frac{9}{16}$	3	$7\frac{3}{8}$	6 R	
197	1,197	13	$\frac{13}{16}$	3		5	H	
198	1,197	39	$\frac{13}{16}$	3	1	$2\frac{7}{8}$	H	
200	1,25	100	$\frac{7}{8}$	$2\frac{1}{4}$	3	$3\frac{13}{16}$	6 R	
201	1,25	23	$\frac{13}{16}$	$2\frac{1}{2}$		$9\frac{5}{32}$	H	
202	1,25	20	$\frac{13}{16}$	$2\frac{1}{2}$		$7\frac{3}{32}$	H	
203	1,25	15	$\frac{13}{16}$	$2\frac{1}{2}$		6	H	
204	1,24	12	$\frac{7}{8}$	3		$4\frac{25}{32}$	H	
205	1,25	13	$\frac{7}{8}$	3		$5\frac{1}{4}$	H	
206	1,25	17	$\frac{13}{16}$	3		$6\frac{25}{32}$	H	
207	1,25	21	$\frac{13}{16}$	3		$8\frac{3}{8}$	H	
208	1,25	39	$\frac{7}{8}$	3	1	$3\frac{9}{16}$	H	
209	1,255	52	$\frac{7}{8}$	3	1	$8\frac{13}{16}$	4 R	
210	1,255	68	$\frac{7}{8}$	3	2	$3\frac{3}{16}$	4 R	

Cylindriska Kugghjul.

N:o	Kuggarnes				Diameter i delnings-cirkeln.		Armarne antal.	Anmärkningar
	Delning verkum.	Antal.	Höjd verkum.	Bredd verkum.	fot.	tum.		
211	1,25	31	$\frac{7}{8}$	2	1	$1\frac{1}{32}$	5 R	
212	1,25	14	$\frac{7}{8}$	2		$5\frac{19}{32}$	H	
228	1,3	20	$\frac{7}{8}$	$1\frac{3}{4}$		$8\frac{11}{32}$	H	
233	1,33	56	$\frac{7}{8}$	$2\frac{1}{8}$	1	$11\frac{13}{16}$	H	
234	1,33	11	$\frac{7}{8}$	$2\frac{1}{8}$		$4\frac{13}{16}$	H	
235	1,33	21	$\frac{7}{8}$	$2\frac{1}{8}$		$8\frac{15}{16}$	H	
236	1,36	15	$1\frac{3}{16}$	$2\frac{3}{4}$		$6\frac{9}{16}$	H	
240	1,375	16	$\frac{7}{8}$	$2\frac{5}{8}$		$7\frac{1}{16}$	H	
241	1,375	15	$\frac{7}{8}$	$2\frac{1}{2}$		$6\frac{5}{8}$	H	
242	1,401	114	1	$4\frac{13}{16}$	4	$2\frac{7}{8}$	6 R	
245	1,43	13	$1\frac{5}{16}$	$3\frac{1}{2}$		6	H	
246	1,248	106	$\frac{7}{8}$	$2\frac{3}{8}$	3	$6\frac{1}{8}$	6 R	
247	1,248	15	$\frac{7}{8}$	$2\frac{5}{8}$		$5\frac{31}{32}$	H	
248	1,185	48	$1\frac{3}{16}$	$3\frac{1}{2}$	1	$6\frac{1}{8}$	H	
249	1,481	12	1	$4\frac{1}{4}$		$5\frac{11}{16}$	H	
250	1,481	40	1	$3\frac{11}{16}$	1	$6\frac{7}{8}$	H	
260	1,507	75	$1\frac{1}{16}$	4	3		6 R	
261	1,507	11	$1\frac{1}{16}$	$4\frac{1}{4}$		$5\frac{3}{8}$	H	
263	1,5	13	1	$3\frac{7}{16}$		$6\frac{9}{32}$	H	
264	1,5	14	1	$3\frac{7}{16}$		$6\frac{3}{4}$	H	
265	1,5	15	1	$3\frac{7}{16}$		$7\frac{7}{32}$	H	
266	1,504	13	$1\frac{1}{16}$	$3\frac{13}{16}$		$6\frac{5}{16}$	H	
267	1,5	40	$\frac{7}{8}$	3	1	$7\frac{1}{8}$	6 R	
268	1,5	16	$\frac{7}{8}$	3		$7\frac{11}{16}$	H	
278	1,553	12	1	$3\frac{1}{2}$		6	H	
279	1,57	11	$\frac{7}{8}$	3		$5\frac{5}{8}$	H	
280	1,57	27	$\frac{7}{8}$	3	1	$1\frac{1}{2}$	H	
286	1,612	13	$1\frac{1}{16}$	$3\frac{3}{16}$		$6\frac{3}{4}$	H	
288	1,616	85	$1\frac{1}{16}$	$2\frac{7}{8}$	3	$7\frac{3}{4}$	6 R	
289	1,616	13	$1\frac{1}{16}$	$3\frac{3}{16}$		$6\frac{3}{4}$	H	
290	1,616	15	$1\frac{1}{16}$	$3\frac{3}{16}$		$7\frac{25}{32}$	H	

Cylindriska Kugghjul.

N:o	Kuggarnes				Diameter i delnings-cirkeln.		Armarne antal.	Anmärkningar
	Delning verktum.	Antal.	Höjd verktum.	Bredd verktum.	fot.	tum.		
291	1,61	18	1 ¹ / ₁₆	3 ¹ / ₂		9 ¹ / ₄	H	
292	1,6	23	1 ¹ / ₁₆	2 ⁷ / ₈		11 ³ / ₄	H	
293	1,619	24	1 ¹ / ₈	3	1	³ / ₈	H	
294	1,619	24	1 ¹ / ₁₆	2 ¹ / ₄	1	³ / ₈	4 R	
295	1,625	16	1 ¹ / ₁₆	2 ¹ / ₄		8 ⁵ / ₁₆	H	
296	1,625	30	1 ¹ / ₁₆	3	1	3 ⁹ / ₁₆	H	
300	1,638	92	1 ¹ / ₈	3 ¹ / ₂	4		6 R	
301	1,638	23	1 ¹ / ₈	3 ¹ / ₂	1		H	
302	1,692	96	1 ¹ / ₈	4 ³ / ₁₆	4	3 ³ / ₄	6 R	
303	1,692	96	1 ¹ / ₈	4 ³ / ₁₆	4	3 ³ / ₄	8 R	
304	1,697	77	1 ¹ / ₈	4 ³ / ₁₆	3	5 ⁵ / ₈	6 R	
305	1,696	76	1 ¹ / ₈	4 ³ / ₁₆	3	5 ¹ / ₁₆	6 R	
306	1,697	51	1 ¹ / ₈	4 ³ / ₁₆	2	3 ⁹ / ₁₆	6 R	
307	1,694	30	1 ¹ / ₈	4 ¹ / ₄	1	4 ³ / ₁₆	H	
308	1,694	24	1 ³ / ₁₆	4 ¹ / ₄	1	1	H	
309	1,694	19	1 ¹ / ₈	4 ¹ / ₈		10 ¹ / ₄	H	
310	1,687	14	1 ³ / ₁₆	4		7 ¹⁹ / ₃₂	H	
311	1,687	38	1 ¹ / ₈	3 ³ / ₈	1	8 ¹⁷ / ₃₂	4 R	
325	1,745	28	1 ¹ / ₄	4 ¹ / ₂	1	3 ⁹ / ₁₆	4 R	
326	1,759	57	1 ³ / ₁₆	4 ¹ / ₁₆	2	7 ¹⁵ / ₁₆	6 R	
327	1,748	34	1 ³ / ₁₆	4 ¹ / ₁₆	1	6 ¹⁵ / ₁₆	4 R	
328	1,926	22	1 ¹ / ₄	3 ⁷ / ₈	1	1 ¹ / ₂	4 R	
350	2,	81	1 ⁷ / ₁₆	5 ¹ / ₂	4	3 ¹⁹ / ₃₂	6 R	
351	2,	75	1 ⁷ / ₁₆	5 ¹ / ₂	3	11 ³ / ₄	6 R	
352	2,	56	1 ⁷ / ₁₆	5 ¹ / ₂	2	11 ¹¹ / ₁₆	6 R	
353	2,	20	1 ³ / ₈	4 ¹ / ₈	1	³ / ₄	H	
354	2,036	37	1 ⁵ / ₁₆	3 ¹ / ₂	2		6 R	
355	2,036	12	1 ⁵ / ₁₆	3 ¹ / ₂		7 ⁷ / ₈	H	
356	2,025	12	1 ³ / ₈	4		7 ¹³ / ₁₆	H	
357	2,037	25	1 ¹ / ₈	5	1	4 ¹ / ₄	H	
358	2,037	39	1 ¹ / ₈	5	2	1 ⁵ / ₁₆	4 R	

Cylindriska Kugghjul.

N:o	Kuggarnes				Diameter i delnings- cirkeln.		Armarnes antal.	Anmärkningar
	Delning vektum.	Antal.	Höjd vektum.	Bredd vektum.	fot.	tum.		
359	2,037	16	$1\frac{1}{8}$	5		$10\frac{7}{16}$	H	
360	2,074	42	$1\frac{3}{16}$	5	2	$3\frac{3}{4}$	4 R	
361	2,062	24	$1\frac{7}{16}$	6	1	$3\frac{3}{4}$	4 R	
362	2,062	25	$1\frac{7}{16}$	6	1	$4\frac{7}{16}$	4 R	
363	2,015	13	1	$5\frac{1}{16}$		$8\frac{7}{16}$	H	
364	2,078	12	$1\frac{3}{16}$	$5\frac{1}{4}$		8	H	
365	2,083	13	$1\frac{1}{4}$	5		$8\frac{3}{4}$	H	
366	2,137	14	$1\frac{1}{4}$	5		$9\frac{5}{8}$	H	
367	2,097	11	$1\frac{3}{8}$	$4\frac{7}{16}$		$7\frac{15}{32}$	H	
368	2,125	12	$1\frac{7}{16}$	$4\frac{1}{4}$		$8\frac{3}{16}$	H	
369	2,102	35	$1\frac{9}{16}$	$5\frac{15}{16}$	1	$11\frac{7}{16}$	4 R	
370	2,109	28	$1\frac{1}{2}$	6	1	$6\frac{13}{16}$	4 R	
372	2,111	33	$1\frac{1}{2}$	$4\frac{1}{2}$	1	$10\frac{3}{16}$	3 R	
373	2,158	136	$1\frac{5}{8}$	5	7	$9\frac{1}{2}$	8 R	
374	2,160	19	$1\frac{9}{16}$	5	1	$1\frac{3}{16}$	H	
375	2,165	28	$1\frac{7}{16}$	5	1	$7\frac{5}{16}$	4 R	
376	2,165	16	$1\frac{1}{2}$	5		$11\frac{1}{8}$	H	
377	2,21	12	$1\frac{1}{4}$	8		$8\frac{17}{32}$	H	
378	2,21	24	$1\frac{1}{4}$	8	1	$4\frac{15}{16}$	H	
379	2,227	40	$1\frac{1}{2}$	$4\frac{1}{4}$	2	$4\frac{3}{8}$	4 R	
380	2,227	14	$1\frac{1}{2}$	$4\frac{3}{8}$		10	H	
381	2,231	76	$1\frac{9}{16}$	$4\frac{9}{16}$	4	6	6 R	
388	2,244	32	$1\frac{1}{2}$	6	1	$10\frac{7}{8}$	4 R	
389	2,25	26	$1\frac{9}{16}$	7	1	$6\frac{5}{8}$	4 R	
390	2,25	25	$1\frac{7}{8}$	$7\frac{1}{4}$	1	$5\frac{15}{16}$	H	
391	2,252	94	$1\frac{1}{4}$	$2\frac{9}{16}$	5	$7\frac{7}{16}$	8 R	
392	2,259	15	$1\frac{1}{4}$	3		$10\frac{7}{8}$	H	
393	2,25	19	$1\frac{1}{2}$	6	1	$1\frac{11}{16}$	H	
394	2,29	16	$1\frac{7}{16}$	5		$11\frac{11}{16}$	H	
395	2,25	14	$1\frac{1}{16}$	12		$10\frac{1}{8}$	H	
396	2,26	21	$1\frac{1}{4}$	12	1	$3\frac{3}{16}$	H	

Cylindriska Kugghjul.

N:o	Kuggarnes				Diameter i delnings-cirkeln.		Armarnes antal.	Anmärkningar
	Delning verk-tum.	Antal.	Höjd verk-tum.	Bredd verk-tum.	fot.	tum.		
398	2,302	37	1 ¹ / ₂	5 ³ / ₈	2	3 ¹ / ₈	4 R	
399	2,349	36	1 ¹ / ₂	5 ³ / ₄	2	2 ¹⁵ / ₁₆	4 R	
400	2,349	21	1 ³ / ₈	6	1	3 ³ / ₄	4 R	
402	2,390	12	1 ³ / ₈	10		9 ¹ / ₄	H	
403	2,40	21	1 ⁹ / ₁₆	5 ¹ / ₂	1	4 ¹ / ₁₆	H	
404	2,411	105	1 ⁹ / ₁₆	5 ¹ / ₂	6	8 ⁵ / ₈	8 R	
405	2,43	31	1 ⁹ / ₁₆	6 ³ / ₄	2		5 R	
406	2,43	26	1 ⁹ / ₁₆	6 ³ / ₄	1	8 ¹ / ₈	4 R	
407	2,43	23	1 ⁹ / ₁₆	6 ³ / ₄	1	5 ¹³ / ₁₆	4 R	
408	2,296	20	1 ⁷ / ₁₆	6	1	2 ⁵ / ₈	H	
411	2,485	45	1 ⁷ / ₈	6	2	11 ⁵ / ₈	6 R	Modellen i 2 halfvor.
425	2,5	25	1 ⁹ / ₁₆	6 ³ / ₄	1	7 ¹⁵ / ₁₆	4 R	
426	2,5	26	1 ⁹ / ₁₆	6 ³ / ₄	1	8 ³ / ₄	4 R	
427	2,5	27	1 ⁹ / ₁₆	6 ³ / ₄	1	9 ¹ / ₂	4 R	
428	2,5	22	1 ⁹ / ₁₆	6 ³ / ₄	1	5 ⁹ / ₁₆	4 R	
429	2,5	20	1 ⁹ / ₁₆	6 ³ / ₄	1	4	4 R	
430	2,5	20	1 ⁷ / ₈	6 ¹ / ₂	1	4	4 R	
431	2,5	21	1 ⁷ / ₈	6	1	4 ³ / ₄	H	
432	2,5	114	1 ¹¹ / ₁₆	6	7	6 ³ / ₄	6 R	
433	2,5	45	1 ¹¹ / ₁₆	6 ¹ / ₂	2	11 ¹³ / ₁₆	5 R	
434	2,5	15	1 ¹ / ₂	6	1	1 ¹ / ₁₆	H	
435	2,5	10	1 ¹ / ₂	6		8 ¹ / ₈	H	
436	2,5	14	1 ¹ / ₂	10 ³ / ₄		11 ¹ / ₄	H	
437	2,502	48	1 ³ / ₄	5 ¹ / ₂	3	2 ¹ / ₄	8 R	
438	2,509	33	1 ⁷ / ₈	6	2	2 ³ / ₈	5 R	
439	2,513	42	1 ³ / ₄	6	2	9 ⁵ / ₈		En ring i 2:ne halfvor.
440	2,528	35	1 ¹ / ₂	6	2	4 ³ / ₁₆		En ring.
441	2,518	24	1 ⁹ / ₁₆	6	1	7 ¹ / ₄	4 R	
442	2,514	37	1 ³ / ₄	8 ³ / ₄	2	5 ⁵ / ₈	5 R	
456	2,58	28	1 ¹ / ₈	10	1	11	6 R	F. F.
457	2,658	31	1 ³ / ₄	5	2	2 ¹ / ₄	4 R	

Cylindriska Kuggjul.

N:o	Kuggarnes				Diameter i delnings- cirkeln.		Anmärknings antal.	Anmärkningar
	Delning verktum.	Antal.	Höjd verktum.	Bredd verktum.	fot.	tum.		
458	2,59	12	$1\frac{1}{8}$	10		10	H	F. F.
459	2,68	14	$1\frac{5}{8}$	12	1		H	F. F.
460	2,7	26	$1\frac{11}{16}$	7	1	$10\frac{3}{8}$	4 R	
461	2,7	42	$1\frac{11}{16}$	7	3	$1\frac{1}{8}$	6 R	
465	2,745	21	$1\frac{7}{8}$	$6\frac{1}{2}$	1	$6\frac{3}{8}$	4 R	
466	2,75	46	$1\frac{7}{8}$	$7\frac{3}{4}$	3	$4\frac{9}{32}$	6 R	F. F.
467	2,75	27	$1\frac{7}{8}$	$7\frac{3}{4}$	1	$11\frac{5}{8}$	H	F. F.
469	2,873	84	$2\frac{1}{16}$	$6\frac{7}{8}$	6	$4\frac{7}{8}$	6 R	
470	2,873	28	$2\frac{1}{16}$	7	2	$1\frac{5}{8}$	4 R	
471	2,934	21	$2\frac{1}{16}$	$7\frac{7}{8}$	1	$7\frac{5}{8}$		En ring.
472	2,94	16	$1\frac{3}{4}$	12	1	3	H	
473	2,98	17	$2\frac{1}{8}$	7	1	$4\frac{1}{4}$	H	Dubbeltrilla.
474	2,98	16	$1\frac{7}{8}$	$6\frac{5}{8}$	1	$3\frac{5}{16}$	4 R	
475	2,99	125	$2\frac{1}{16}$	7	9	$11\frac{1}{8}$	8 R	
476	2,99	21	$2\frac{1}{16}$	$7\frac{1}{2}$	1	8	H	
477	2,98	12	$1\frac{3}{4}$	$8\frac{1}{2}$		$11\frac{1}{2}$	H	
490	3,	84	$1\frac{13}{16}$	8	6	$8\frac{3}{8}$	6 R	
491	3,	22	$1\frac{13}{16}$	8	1	$9\frac{1}{16}$	H	
492	3,	19	$1\frac{13}{16}$	8	1	$6\frac{1}{4}$	4 R	
493	3,	23	$1\frac{3}{4}$	6	1	10	4 R	
494	3,	24	$1\frac{3}{4}$	8	1	11	6 R	
495	3,036	38	$1\frac{3}{4}$	9	3	$\frac{3}{4}$	6 R	
496	3,036	18	$1\frac{3}{4}$	9	1	$5\frac{7}{16}$	H	
497	3,034	28	$1\frac{3}{4}$	9	2	$3\frac{1}{16}$	H	
498	3,02	16	$1\frac{3}{4}$	$9\frac{1}{4}$	1	$3\frac{1}{2}$	H	
499	3,035	16	$1\frac{1}{2}$	9	1	$3\frac{9}{16}$	H	
503	3,297	80	2	9	7		6 R	
504	3,297	27	2	9	2	$4\frac{3}{8}$	6 R	
505	3,316	30	$2\frac{3}{16}$	$9\frac{7}{16}$	2	$7\frac{11}{16}$	6 R	
506	3,532	96	$2\frac{1}{4}$	10	9		8 R	
507	3,54	30	$2\frac{1}{4}$	10	2	$9\frac{15}{16}$	6 R	

Cylind

	Deining zeitraum.	Enggarne
1	1,287	
2	1,401	
3	1,401	
4	1,402	
5	1,41	
6	1,6	
7	1,607	
8	1,653	
9	1,686	
10	1,7	
11	1,7	
12	1,709	
13	2	
14	2,08	
15	2,11	
16	2,13	
17	2,1	
18	2,2	
19	2,3	
20	2,4	
21	2,5	
22	2,6	
23	2,7	
24	2,8	
25	2,9	
26	3,0	
27	3,1	
28	3,2	
29	3,3	
30	3,4	
31	3,5	
32	3,6	
33	3,7	
34	3,8	
35	3,9	
36	4,0	
37	4,1	
38	4,2	
39	4,3	
40	4,4	
41	4,5	
42	4,6	
43	4,7	
44	4,8	
45	4,9	
46	5,0	
47	5,1	
48	5,2	
49	5,3	
50	5,4	
51	5,5	
52	5,6	
53	5,7	
54	5,8	
55	5,9	
56	6,0	
57	6,1	
58	6,2	
59	6,3	
60	6,4	
61	6,5	
62	6,6	
63	6,7	
64	6,8	
65	6,9	
66	7,0	
67	7,1	
68	7,2	
69	7,3	
70	7,4	
71	7,5	
72	7,6	
73	7,7	
74	7,8	
75	7,9	
76	8,0	
77	8,1	
78	8,2	
79	8,3	
80	8,4	
81	8,5	
82	8,6	
83	8,7	
84	8,8	
85	8,9	
86	9,0	
87	9,1	
88	9,2	
89	9,3	
90	9,4	
91	9,5	
92	9,6	
93	9,7	
94	9,8	
95	9,9	
96	10,0	
97	10,1	
98	10,2	
99	10,3	
100	10,4	

Cylindriska Kugghjul för Träkuggar.

N:o	Kuggarnes		Diameter i delnings-cirkeln.	Ringens			Kugghjälens bredd.	Armarnes antal.	Anmärkn.
	Delning vektum.	Antal.		Diameter.		Bredd			
				fot	tum.				
1	1,287	105	3	7 ¹ / ₁₆	3	6	5 ³ / ₈	3 ¹ / ₂	5
2	1,401	100	3	8 ⁵ / ₈	3	7 ¹ / ₂	4 ³ / ₁₆	2 ⁷ / ₈	5
3	1,401	108	4	2 ¹ / ₁₆	3	11 ¹ / ₁₆	4 ¹ / ₄	2 ⁷ / ₈	5
4	1,402	117	4	4 ¹ / ₄	4	3 ¹ / ₈	4 ¹ / ₄	2 ⁷ / ₈	5
5	1,41	90	3	4 ⁷ / ₁₆	3	3 ⁵ / ₁₆	4 ³ / ₁₆	2 ⁷ / ₈	5
6	1,6	144	6	1 ³ / ₈	6	1 ¹ / ₈	4 ⁹ / ₁₆	2 ⁷ / ₈	
7	1,607	52	2	2 ⁵ / ₈	2	1 ³ / ₈	3 ⁷ / ₈	2 ⁵ / ₁₆	4
8	1,653	120	5	3 ³ / ₁₆	5	1 ⁷ / ₈	3 ¹ / ₂	2 ³ / ₁₆	8
9	1,686	64	2	10 ³ / ₈	2	9	4 ¹ / ₂	2 ¹¹ / ₁₆	4
10	1,7	70	3	1 ⁷ / ₈	3	1 ¹ / ₂	4 ⁵ / ₁₆	2 ³ / ₄	5
11	1,7	51	2	3 ⁵ / ₈	2	2 ¹ / ₄	5 ³ / ₈	3 ³ / ₈	4
12	1,703	50	2	3 ¹ / ₈	2	1 ³ / ₄	4 ⁵ / ₁₆	2 ¹¹ / ₁₆	5
13	2,	112	5	11 ⁵ / ₁₆	5	9 ¹¹ / ₁₆	5 ⁹ / ₁₆	4	8
14	2,087	132	7	3 ³ / ₄	7	2	6	3 ⁷ / ₈	8
15	2,113	45	2	6 ¹ / ₄	2	4 ¹ / ₂	4 ¹⁵ / ₁₆	3 ¹ / ₈	5
16	2,15	50	2	10 ¹ / ₄	2	8 ¹ / ₂	6 ¹ / ₁₆	4 ¹ / ₁₆	5
17	2,174	85	4	10 ⁷ / ₈	4	9 ¹ / ₈	6 ¹ / ₁₆	4	6
18	2,25	124	7	4 ⁷ / ₈	7	3	7 ³ / ₄	4 ¹³ / ₁₆	6
19	2,28	22	1	4	1	2 ¹ / ₄	6 ¹ / ₈	4 ⁵ / ₁₆	4
20	2,302	74	4	6 ¹ / ₄	4	4 ³ / ₈	7 ¹ / ₂	4 ⁵ / ₈	6
21	2,512	120	8		7	10	7	4	8
22	2,512	160	10	8	10	6	9 ¹ / ₈	5 ¹ / ₂	8
23	2,605	72	4	11 ³ / ₄	4	9 ⁵ / ₈	6 ¹ / ₂	4 ³ / ₄	8

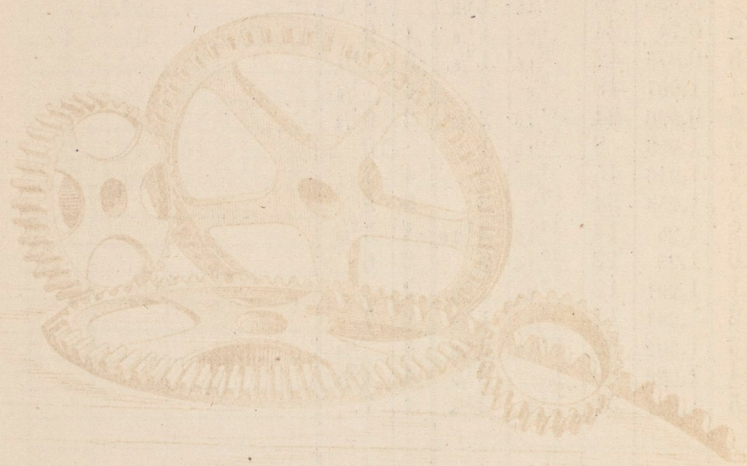
Kugglötar till Cylindriska Kugghjul.

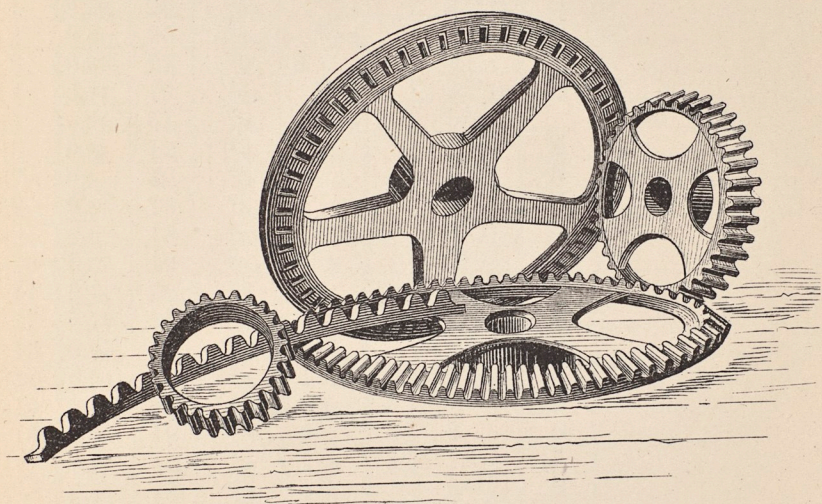
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Antal lösar till

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Koniska Kugeln.

No.	Leistung Belastung	Leistung Hohl	Leistung Dreh	Leistung Drehmoment		Anzahl Kugeln
				mm	kg	
1	0.22	20	1.10	1.10	1.10	10
2	0.4	20	1.10	1.10	1.10	10
3	0.53	20	1.10	1.10	1.10	10
4	0.77	19	1.10	1.10	1.10	10
5	0.88	19	1.10	1.10	1.10	10
6	0.88	19	1.10	1.10	1.10	10
7	0.88	19	1.10	1.10	1.10	10
8	0.88	19	1.10	1.10	1.10	10
9	0.88	19	1.10	1.10	1.10	10
10	0.88	19	1.10	1.10	1.10	10
11	0.88	19	1.10	1.10	1.10	10
12	0.88	19	1.10	1.10	1.10	10
13	0.88	19	1.10	1.10	1.10	10
14	0.88	19	1.10	1.10	1.10	10
15	0.88	19	1.10	1.10	1.10	10
16	0.88	19	1.10	1.10	1.10	10
17	0.88	19	1.10	1.10	1.10	10
18	0.88	19	1.10	1.10	1.10	10
19	0.88	19	1.10	1.10	1.10	10
20	0.88	19	1.10	1.10	1.10	10
21	0.88	19	1.10	1.10	1.10	10
22	0.88	19	1.10	1.10	1.10	10
23	0.88	19	1.10	1.10	1.10	10
24	0.88	19	1.10	1.10	1.10	10
25	0.88	19	1.10	1.10	1.10	10
26	0.88	19	1.10	1.10	1.10	10
27	0.88	19	1.10	1.10	1.10	10
28	0.88	19	1.10	1.10	1.10	10
29	0.88	19	1.10	1.10	1.10	10
30	0.88	19	1.10	1.10	1.10	10
31	0.88	19	1.10	1.10	1.10	10
32	0.88	19	1.10	1.10	1.10	10
33	0.88	19	1.10	1.10	1.10	10
34	0.88	19	1.10	1.10	1.10	10
35	0.88	19	1.10	1.10	1.10	10
36	0.88	19	1.10	1.10	1.10	10
37	0.88	19	1.10	1.10	1.10	10
38	0.88	19	1.10	1.10	1.10	10

No.	Leistung Belastung	Leistung Hohl	Leistung Dreh	Leistung Drehmoment		Anzahl Kugeln
				mm	kg	
39	0.88	19	1.10	1.10	1.10	10
40	0.88	19	1.10	1.10	1.10	10
41	0.88	19	1.10	1.10	1.10	10
42	0.88	19	1.10	1.10	1.10	10
43	0.88	19	1.10	1.10	1.10	10
44	0.88	19	1.10	1.10	1.10	10
45	0.88	19	1.10	1.10	1.10	10
46	0.88	19	1.10	1.10	1.10	10
47	0.88	19	1.10	1.10	1.10	10
48	0.88	19	1.10	1.10	1.10	10
49	0.88	19	1.10	1.10	1.10	10
50	0.88	19	1.10	1.10	1.10	10
51	0.88	19	1.10	1.10	1.10	10
52	0.88	19	1.10	1.10	1.10	10
53	0.88	19	1.10	1.10	1.10	10
54	0.88	19	1.10	1.10	1.10	10
55	0.88	19	1.10	1.10	1.10	10
56	0.88	19	1.10	1.10	1.10	10
57	0.88	19	1.10	1.10	1.10	10
58	0.88	19	1.10	1.10	1.10	10
59	0.88	19	1.10	1.10	1.10	10
60	0.88	19	1.10	1.10	1.10	10

Koniska Kugghjul.

N:o	Kuggarnes				Diameter i delnings- cirkeln		Armarnes antal.	Anmärkningar
	Delning verktum.	Antal.	Höjd verktum.	Bredd verktum.				
					fot.	tum.		
1	0,29	26	$\frac{3}{16}$	$\frac{13}{16}$		$2\frac{13}{32}$	H	45^0
2	0,4	26	$\frac{5}{16}$	$\frac{15}{16}$		$3\frac{5}{16}$	H	45^0
3	0,57	22	$\frac{3}{8}$	1		4	H	45^0
4	0,77	19	$\frac{7}{16}$	$\frac{15}{16}$		$4\frac{11}{16}$	H	45^0
5	0,35	51	$\frac{1}{4}$	$\frac{11}{16}$		$5\frac{3}{4}$		En ring.
6	0,35	12	$\frac{1}{4}$	$\frac{3}{4}$		$1\frac{7}{16}$	H	
7	0,5	40	$\frac{3}{8}$	1		$6\frac{7}{16}$	H	
8	0,5	15	$\frac{3}{8}$	1		$2\frac{7}{16}$	H	
9	0,67	18	$\frac{5}{16}$	$\frac{11}{16}$		$3\frac{7}{8}$	H	
10	0,67	10	$\frac{5}{16}$	$\frac{3}{4}$		$2\frac{3}{16}$	H	
11	0,74	50	$\frac{1}{2}$	2		$11\frac{7}{8}$	H	
12	0,74	10	$\frac{1}{2}$	2		$2\frac{7}{16}$	H	
13	0,90	28	$\frac{5}{8}$	$1\frac{1}{2}$		$8\frac{1}{16}$	H	
14	0,90	19	$\frac{5}{8}$	$1\frac{1}{2}$		$5\frac{7}{16}$	H	
15	0,99	38	$\frac{11}{16}$	$2\frac{1}{4}$	1		H	
16	0,99	19	$\frac{11}{16}$	$2\frac{1}{4}$		6	H	
17	0,99	42	$\frac{5}{8}$	$1\frac{1}{2}$	1	$1\frac{5}{16}$	5	
18	0,99	18	$\frac{5}{8}$	$1\frac{1}{2}$		$5\frac{11}{16}$	H	
19	0,89	21	$\frac{5}{8}$	$1\frac{3}{4}$		6	H	55^0 vinkel mot N:o 20
20	0,89	84	$\frac{5}{8}$	$1\frac{3}{4}$	2		6	45^0
21	0,63	30	$\frac{7}{16}$	$1\frac{1}{4}$		6	H	45^0
22	0,99	94	$\frac{3}{4}$	$2\frac{1}{4}$	2	$5\frac{5}{8}$	6	45^0
23	1,	28	$\frac{3}{4}$	$1\frac{5}{8}$		9	H	45^0
24	1,05	18	$\frac{5}{8}$	$1\frac{13}{16}$		$6\frac{1}{16}$	H	45^0
25	1,24	25	$\frac{13}{16}$	$1\frac{3}{8}$		$9\frac{7}{8}$	H	45^0
26	1,25	25	$\frac{7}{8}$	2		10	H	45^0
27	1,27	74	$\frac{7}{8}$	$2\frac{1}{2}$	2	6	6	45^0
35	1,25	84	$\frac{3}{4}$	2	2	$9\frac{7}{16}$	6	
36	1,25	19	$\frac{3}{4}$	2		$7\frac{9}{16}$	H	
37	1,34	42	$\frac{13}{16}$	$2\frac{1}{2}$	1	6	4	
38	1,34	14	$\frac{13}{16}$	$2\frac{1}{2}$		6	H	

Koniska Kugghjul.

N:o	Kuggarnes				Diameter i delnings-cirkeln.		Armarnes antal.	Anmärkningar
	Delning verktum.	Antal.	Höjd verktum.	Bredd verktum.				
					fot.	tum.		
39	1,5	21	1	2 ¹ / ₈		10	H	77° vinkel mellan axlarna.
40	1,52	62	1	3 ¹ / ₂	2	6 ³ / ₁₆		21" 8-kantigt hål.
41	1,52	75	1	3 ¹ / ₂	3	1 ¹ / ₈	6	
42	1,57	48	7 ⁷ / ₈	3	2		4	
43	1,57	16	7 ⁷ / ₈	3		8 ¹ / ₁₆	H	
44	1,66	64	1 ¹ / ₈	3 ¹ / ₂	2	10	6	
45	1,66	15	1 ¹ / ₈	3 ¹ / ₂		8	H	
46	1,84	40	1 ³ / ₁₆	3 ⁵ / ₈	1	11 ¹ / ₂	4	
47	1,84	29	1 ³ / ₁₆	3 ⁵ / ₈	1	5 ¹ / ₁₆	4	
48	1,96	108	1 ¹ / ₈	3 ¹³ / ₁₆	5	7 ¹ / ₂	6	
49	1,96	20	1 ¹ / ₈	3 ⁷ / ₈	1	1 ¹ / ₂	H	
61	1,02	55	Trä-	kuggar	1	6	5	45°
62	1,02	55	³ / ₄	3 ¹ / ₂	1	6	4	45°
63	1,52	36	1	3 ¹ / ₂	1	5 ¹ / ₂	H	45°
64	1,52	36	Trä-	kuggar	1	5 ¹ / ₂	4	45°
65	2,03	37	1 ³ / ₁₆	3 ¹ / ₂	2		4	45°
66	2,03	37	Trä-	kuggar	2		4	45°
67	2,28	40	1 ⁹ / ₁₆	6	2	5 ¹ / ₁₆	4	45°
68	2,28	40	Trä-	kuggar	2	5 ¹ / ₁₆	4	45°
75	1,62	25	1 ¹ / ₈	3 ¹ / ₄	1	1 ⁵ / ₁₆	4	
76	1,62	46	Trä-	kuggar	1	11 ³ / ₄	5	
77	1,79	105	1 ³ / ₁₆	3 ¹ / ₂	5		6	
78	1,79	18	1 ³ / ₁₆	3 ⁷ / ₈		10 ⁵ / ₁₆	H	
79	1,79	105	Trä-	kuggar	5		5	
80	1,80	25	1 ¹ / ₄	3 ⁹ / ₁₆	1	2 ³ / ₈	4	
81	1,80	45	Trä-	kuggar	2	1 ³ / ₄	5	
82	1,86	36	1 ³ / ₁₆	3	1	9 ³ / ₈	4	
83	1,86	40	Trä-	kuggar	1	11 ³ / ₄	4	
84	2,02	21	1 ¹ / ₂	4 ⁹ / ₁₆	1	1 ⁹ / ₁₆	4	
85	2,02	84	Trä-	kuggar	4	6	6	
86	2,	27	1 ⁷ / ₁₆	4 ¹ / ₄	1	5 ³ / ₁₆	4	

gghjul.

Koniska Kugghjul.

Diameter i delnings-cirkeln.		Armarne antal.	Anmärkningar								
tum.	fot.										
Diameter i delnings-cirkeln.											
N:o	Delning verkum.	Antal.	Höjd verkum.	Bredd verkum.	Kuggarnes		Diameter i delnings-cirkeln.		Armarne antal.	Anmärkningar	
Diameter i delnings-cirkeln.		Kuggarnes		Diameter i delnings-cirkeln.							
10	6 ³ / ₁₆	1	87	2,	66	Trä-	kuggar	3	6	6	
	1 ¹ / ₈	6	88	2,	41	1 ⁷ / ₁₆	4 ¹ / ₂	2	2 ¹ / ₈	4	
		4	89	2,	60	Trä-	kuggar	3	2 ³ / ₁₆	5	
	8 ¹ / ₁₆	H	90	2,04	18	1 ³ / ₈	5 ³ / ₈		11 ³ / ₄	H	
10	6		91	2,04	166	Trä-	kuggar	8	11 ⁷ / ₈	8	
8	H		92	2,04	19	1 ⁷ / ₁₆	5 ¹ / ₂	1	3 ³ / ₈	H	
11 ¹ / ₂	4		93	2,04	96	Trä-	kuggar	5	2 ¹ / ₂	6	
5 ¹ / ₁₆	4		94	2,05	18	1 ¹ / ₂	5 ⁷ / ₈		11 ¹³ / ₁₆	H	
7 ¹ / ₂	6		95	2,05	127	Trä-	kuggar	6	11	8	
1 ¹ / ₂	H		96	2,06	19	1 ⁷ / ₁₆	7	1	1 ¹ / ₂	H	
6	5		106	2,	74	1 ¹ / ₈	4 ³ / ₁₆	3	11 ¹ / ₄	8	
6	4		107	2,	22	1 ¹ / ₈	4 ³ / ₁₆	1	2	4	
5 ¹ / ₂	H		108	2,24	42	1 ¹ / ₄	4 ¹ / ₂	2	6	4	
5 ¹ / ₂	4		109	2,24	17	1 ¹ / ₄	4 ¹ / ₂	1	1 ¹ / ₄	H	
	4		110	2,27	45	1 ⁵ / ₈	5 ¹⁵ / ₁₆	2	8 ¹ / ₂	5	
	4		111	2,27	27	1 ⁵ / ₈	5 ¹⁵ / ₁₆	1	7 ⁹ / ₁₆	H	
	4		112	2,27	151	1 ¹ / ₂	6	9	1 ¹ / ₈	6	
5 ¹ / ₁₆	4		113	2,27	13	1 ⁷ / ₁₆	6 ⁵ / ₁₆		9 ⁹ / ₁₆	H	
5 ¹ / ₁₆	4		122	2,73	72	1 ⁹ / ₁₆	5 ¹ / ₂	5	2 ³ / ₄	6	
15 ¹ / ₁₆	4		123	2,73	24	1 ⁹ / ₁₆	5 ¹ / ₂	1	9		En ring.
11 ³ / ₄	5		124	2,74	102	2	7 ¹⁵ / ₁₆	7	5	7	
	6		125	2,74	40	2	7 ¹⁵ / ₁₆	2	11	6	
10 ⁵ / ₁₆	H		128	3,01	100	2	8	8		6	
	5		129	3,01	40	2	8	3	2 ⁷ / ₁₆	F	En ring.
2 ³ / ₈	4		130	3,26	81	2 ¹ / ₈	8	7		6	
1 ³ / ₄	5		131	3,26	40	2 ¹ / ₈	8	3	5 ¹ / ₂	F	En ring.
9 ³ / ₈	4		132	3,25	84	2 ¹ / ₁₆	7	7	3	6	
11 ³ / ₄	4		133	3,26	26	2 ¹ / ₁₆	7	2	3		En ring.
1 ⁹ / ₁₆	4		134	3,26	41	2 ¹ / ₁₆	7	3	6 ⁹ / ₁₆	8	79° vinkel mot 132
6	6		143	2,52	49	1 ¹¹ / ₁₆	7 ¹ / ₄	3	3 ³ / ₈	4	
5 ³ / ₁₆	4		144	2,52	52	Trä-	kuggar	3	5 ¹¹ / ₁₆	4	

Koniska Kugghjul.

	Dealing velocity.	
101	1.5	3
102	1.55	3
103	1.55	2
104	1.68	2
105	1.68	4
106	1.75	2
107	1.75	2
108	1.77	16
109	1.77	19
110	1.83	18
111	1.83	18
112	1.86	27
113	1.86	27
114	1.91	29
115	1.91	30
116	1.96	30
117	1.96	24
118	2.003	12
119	2.003	17
120	2.003	13
121	2.003	14
122	2.25	19
123	2.25	22
124	2.35	16
125	2.35	14
126	2.35	16
127	2.57	18
128	2.57	15
129	2.72	20
130	2.72	20
131	3.02	21
132	3.	19

Koniska Kugglötar samt Trillor.

N:o	Kuggarnes				Diameter i delnings-cirkeln		Antal löten till ett hjul.	Anmärkningar
	Delning verktum.	Antal.	Höjd verktum.	Bredd verktum.				
					fot.	tum.		
201	1,5	33	1	3 ⁷ / ₁₆	7	10 ¹ / ₂	6	
202	1,55	36	1	3 ⁷ / ₈	11	10 ¹ / ₂	8	
203	1,55	28	1	4	1	1 ⁷ / ₈		
204	1,68	22	1 ¹ / ₈	4	7	10 ⁹ / ₁₆	8	
205	1,68	44	1 ¹ / ₁₆	4	1	11 ¹ / ₂		
206	1,75	21	1 ³ / ₁₆	3 ¹ / ₄	7	9 ⁵ / ₈	8	
207	1,75	25	1 ³ / ₁₆	3 ¹ / ₄	1	1 ¹⁵ / ₁₆		
208	1,77	16	1 ¹ / ₄	3	6		8	
209	1,77	19	1 ¹ / ₄	3 ¹ / ₈		10 ¹¹ / ₁₆		
210	1,83	18	1 ⁵ / ₁₆	3 ¹ / ₈	7		8	
211	1,83	18	1 ⁵ / ₁₆	3 ¹ / ₄		10 ⁹ / ₁₆		
212	1,86	27	1 ⁵ / ₁₆	4 ¹ / ₂	16		12	
213	1,86	27	1 ⁵ / ₁₆	4 ¹ / ₂		16		
214	1,91	29	1 ⁵ / ₁₆	4 ⁵ / ₈	23	6	16	
215	1,91	30	1 ⁵ / ₁₆	4 ⁵ / ₈	1	6 ⁵ / ₁₆		
216	1,96	30	1 ⁵ / ₁₆	4 ¹ / ₂	25		16	
217	1,96	24	1 ⁵ / ₁₆	4 ¹ / ₂	1	3		
218	2,093	12	1 ⁷ / ₁₆	2 ³ / ₈	5	4	8	
219	2,093	17	1 ⁷ / ₁₆	2 ⁷ / ₈		11 ⁵ / ₈		
220	2,093	13	1 ⁷ / ₁₆	2 ³ / ₈	5	9 ¹¹ / ₃₂	8	
221	2,093	14	1 ⁷ / ₁₆	2 ³ / ₈	6	2 ¹¹ / ₁₆	8	
222	2,25	19	1 ⁵ / ₈	4	9	1	8	
223	2,25	22	1 ⁵ / ₈	4	1	3 ¹³ / ₁₆		
230	2,35	16	Trä-	kuggar	6		6	
231	2,35	14	1 ³ / ₈	5		10 ⁵ / ₈		77° vinkel mot 230
232	2,35	16	1 ³ / ₈	5	1	¹ / ₁₆		d:o d:o
233	2,57	18	Trä-	kuggar	9	10	8	
234	2,57	15	1 ¹¹ / ₁₆	6	1	⁵ / ₁₆		
235	2,72	20	Trä-	kuggar	23	1	16	
236	2,72	20	1 ⁵ / ₈	4 ⁷ / ₈	1	5 ³ / ₈		
237	3,02	21	Trä-	kuggar	20	3	12	
238	3,	19	2 ¹ / ₁₆	4 ¹ / ₂	1	6 ³ / ₁₆		

Skrufhjul.

[illegible]

Anmärkning

 $6\frac{1}{4}$ $4\frac{1}{2}$

1/2	
6	Dubbelzijdig.

6	4-gängig.
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 $6\frac{3}{4}$

Tecknens betydelse:

- H. Hel botten inom ringen.
 - K. Krokiga armar.
 - R. Räta armar.
 - F. Flens i ringen.
 - FF. Flensar i båda kanterna.
 - T. Öfverlagret för Talgsmörjning.
 - O. Dito för Oljesmörjning.
 - B. Tackjern för utfodring med Babbittsmetall.
 - U. Underlager för nålar till vattenhjul.
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