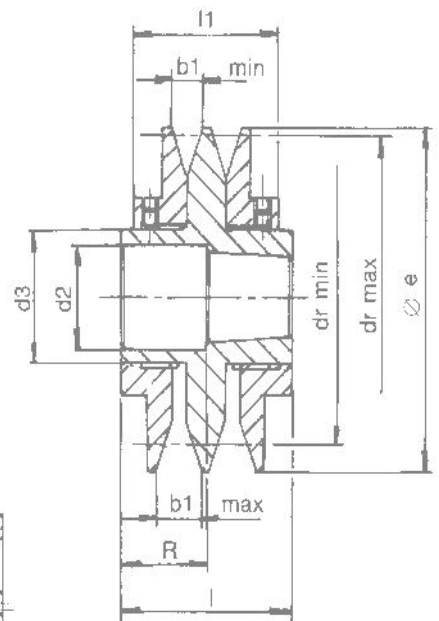
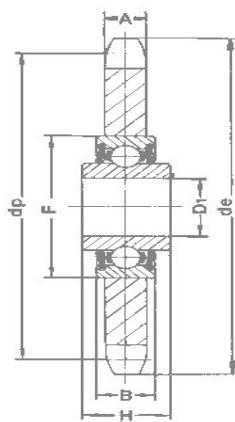
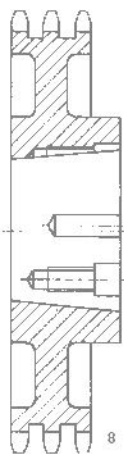
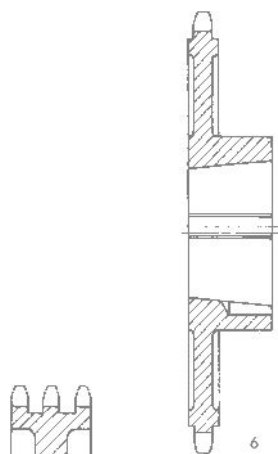
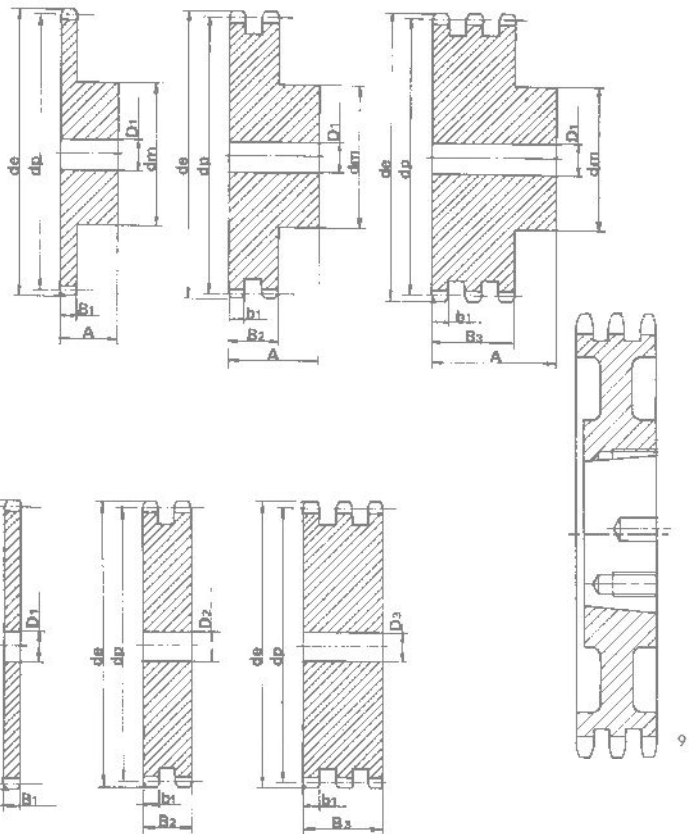
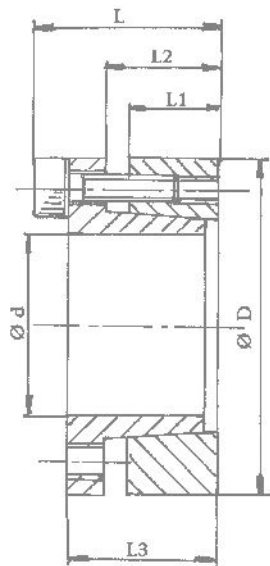


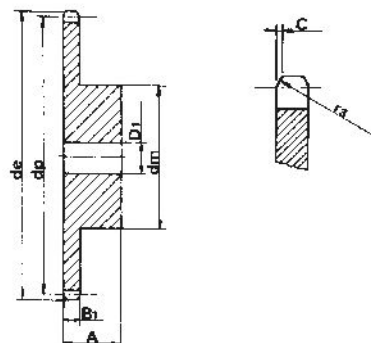
AS MODULATOR

S P R O C K E T S

SINGLE					
Z	d _e	d _p	d _m	D ₁	A
8	15.2	13.06	7	4	10
9	16.8	14.62	8	5	10
10	18.3	16.18	9	5	10
11	19.9	17.75	11	6	10
12	21.5	19.32	12	6	10
13	23.0	20.89	14	6	10
14	24.6	22.47	15	6	10
15	26.2	24.04	16	6	10
16	27.8	25.63	18	8	13
17	29.4	27.20	18	8	13
18	30.9	28.79	18	8	13
19	32.5	30.38	18	8	13
20	34.1	31.96	18	8	13
21	35.7	33.54	20	8	13
22	37.3	35.13	20	8	13
23	38.9	36.72	20	8	13
24	40.5	38.30	20	8	13
25	42.0	39.89	20	8	13
26	43.6	41.48	25	8	15
27	45.2	43.07	25	8	15
28	46.8	44.65	25	8	15
29	48.4	46.25	25	8	15
30	50.0	47.83	25	8	15
31	51.6	49.42	30	8	15
32	53.2	51.01	30	8	15
33	54.8	52.60	30	8	15
34	56.3	54.19	30	8	15
35	57.9	55.78	30	8	15
36	59.5	57.37	30	8	15
37	61.1	58.96	30	8	15
38	62.7	60.54	30	8	15
39	64.3	62.13	30	8	15
40	65.9	63.73	30	8	15

5 x 2.5 mm

for roller chains in compliance
with DIN 81 87 ISO/R 606



SPROCKET	mm
TOOTH RADIUS r_3	5
RADIUS WIDTH C	0.6
SPROCKET TOOTH WIDTH B_1 2.3	
CHAIN	mm
PITCH	5
INNER WIDTH	2.5
ROLLER - Ø	3.2

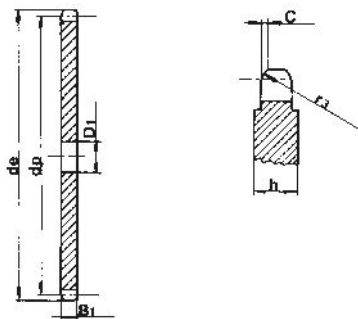
MATERIAL: C 45 UNI 7845

P L A T E W H E E L S

Z	d _e	d _p	S D ₁	Z	d _e	d _p	S D ₁
8	15.20	13.06	4	44	72.2	70.09	8
9	16.80	14.62	4	45	73.8	71.68	8
10	18.30	16.18	4	46	75.4	73.27	8
11	19.90	17.75	5	47	77.0	74.86	8
12	21.50	19.32	5	48	78.4	76.45	8
13	23.00	20.89	5	49	80.2	78.03	8
14	24.60	22.47	5	50	81.8	79.63	8
15	26.20	24.04	5	51	83.4	81.22	10
16	27.80	25.63	6	52	85.0	82.81	10
17	29.40	27.20	6	53	86.6	84.40	10
18	30.90	28.79	6	54	88.1	85.97	10
19	32.50	30.38	6	55	89.7	87.58	10
20	34.10	31.96	6	56	91.3	89.17	10
21	35.70	33.54	8	57	92.9	90.76	10
22	37.30	35.13	8	58	94.5	92.35	10
23	38.90	36.72	8	59	96.1	93.94	10
24	40.50	38.30	8	60	97.7	95.53	10
25	42.00	39.89	8	62	100.9	98.72	12
26	43.60	41.48	8	64	104.1	101.90	12
27	45.20	43.07	8	65	105.6	103.49	12
28	46.80	44.65	8	66	107.2	105.08	12
29	48.40	46.25	8	68	110.4	108.26	12
30	50.00	47.83	8	70	113.6	111.44	12
31	51.60	49.42	8	72	116.8	114.63	12
32	53.20	51.01	8	75	121.6	119.40	12
33	54.80	52.60	8	76	123.1	120.99	12
34	56.30	54.19	8	78	126.3	124.17	12
35	57.90	55.78	8	80	129.5	127.35	12
36	59.50	57.37	8	85	137.5	135.31	14
37	61.10	58.96	8	90	145.4	143.27	14
38	62.70	60.54	8	95	153.4	151.22	14
39	64.30	62.13	8	100	161.3	159.18	14
40	65.90	63.73	8	110	177.2	175.09	14
41	67.50	65.31	8	114	183.6	181.46	14
42	69.10	66.91	8	120	193.2	191.01	14
43	70.60	68.49	8	125	201.1	198.96	14

5 x 2.5 mm

for roller chains in compliance with DIN 81 87 ISO/R 606
The plate size is increased by h = 4mm starting from Z.51



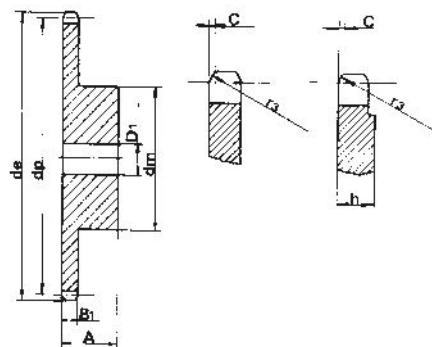
PLATEWHEEL	mm
TOOTH RADIUS r_3	5
RADIUS WIDTH C	0.6
PLATE TOOTH WIDTH B_1	2.3
CHAIN	mm
PITCH	5
INNER WIDTH	2.5
ROLLER - Ø	3.2

S P R O C K E T S

SINGLE					
Z	d _e	d _p	d _m	D ₁	A
8	18.0	15.67	9.8	5	10
9	19.9	17.54	11.5	5	10
10	21.7	19.42	13	6	10
11	23.6	21.30	14	6	10
12	25.4	23.18	16	6	10
13	27.3	25.05	18	8	10
14	29.2	26.96	20	8	10
15	31.0	28.86	20	8	10
16	33.0	30.76	20	8	13
17	35.0	32.65	20	8	13
18	36.9	34.55	20	8	13
19	38.8	36.44	20	8	13
20	40.7	38.34	20	8	13
21	42.6	40.25	25	8	13
22	44.5	42.16	25	8	13
23	46.4	44.06	25	8	13
24	48.3	45.96	25	8	13
25	50.2	47.87	25	8	13
26	52.1	49.76	30	8	15
27	54.0	51.67	30	8	15
28	55.9	53.58	30	8	15
29	57.8	55.50	30	8	15
30	59.8	57.42	30	8	15
31	61.7	59.31	30	8	15
32	63.6	61.21	30	8	15
33	65.5	63.11	30	8	15
34	67.4	65.02	30	8	15
35	69.3	66.93	30	8	15
36	71.2	68.84	30	8	15
37	73.1	70.75	30	8	15
38	75.0	72.66	30	8	15
39	76.9	74.57	30	8	15
40	78.9	76.47	30	8	15
45	88.5	86.01	40	10	16
50	98.0	95.55	50	12	20
57	111.4	108.93	50	12	20
76	147.6	145.19	60	12	20

6 x 2.8 mm

for roller chains in compliance with DIN 81 87 ISO/R 606
the plate is increased by h = 4mm for Z.57 and Z.76



SPROCKET mm
TOOTH RADIUS r_3 6
RADIUS WIDTH C 0.7
SPROCKET TOOTH WIDTH B_1 2.6

CHAIN mm
PITCH 6
INNER WIDTH 2.8
ROLLER - Ø 4

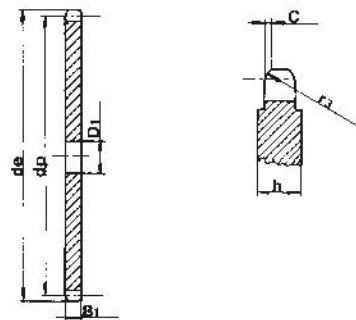
MATERIAL: C 45 UNI 7845

P L A T E W H E E L S

Z	d _e	d _p	S D ₁	Z	d _e	d _p	S D ₁
8	18.0	15.67	5	44	86.6	84.10	10
9	19.9	17.54	5	45	88.5	86.01	10
10	21.7	19.42	6	46	90.4	87.92	10
11	23.6	21.30	6	47	92.3	89.93	10
12	25.4	23.18	6	48	94.2	91.74	10
13	27.3	25.05	8	49	96.1	93.64	10
14	29.2	26.96	8	50	98.0	95.55	10
15	31.0	28.86	8	51	99.9	97.46	12
16	33.0	30.76	8	52	101.8	99.37	12
17	35.0	32.65	8	53	103.7	101.27	12
18	36.9	34.55	8	54	105.6	103.17	12
19	38.8	36.44	8	55	107.6	105.08	12
20	40.7	38.34	8	56	109.5	107.00	12
21	42.6	40.25	8	57	111.4	108.93	12
22	44.5	42.16	8	58	113.3	110.82	12
23	46.4	44.06	8	59	115.2	112.71	12
24	48.3	45.96	8	60	117.1	114.62	12
25	50.2	47.87	8	62	120.9	118.45	14
26	52.1	49.76	8	64	124.7	122.27	14
27	54.0	51.67	8	65	126.6	124.18	14
28	55.9	53.58	8	66	128.5	126.09	14
29	57.8	55.50	8	68	132.4	129.91	14
30	59.8	57.42	8	70	136.2	133.73	14
31	61.7	59.31	8	72	140.0	137.55	16
32	63.6	61.21	8	75	145.7	143.28	16
33	65.5	63.11	8	76	147.6	145.19	16
34	67.4	65.02	8	78	151.5	149.01	16
35	69.3	66.93	8	80	155.3	152.82	16
36	71.2	68.84	8	85	164.8	162.37	16
37	73.1	70.75	8	90	174.4	171.92	16
38	75.0	72.66	8	95	183.9	181.47	16
39	76.9	74.57	8	100	193.5	191.01	16
40	78.9	76.47	8	110	212.6	210.11	16
41	80.8	78.38	10	114	220.2	217.75	16
42	82.7	80.28	10	120	231.7	229.20	16
43	84.7	82.19	10	125	241.2	238.75	16

6 x 2.8 mm

for roller chains in compliance with DIN 8187 ISO/R 606
The plate size is increased by h = 4mm starting from Z.51



PLATEWHEEL mm
TOOTH RADIUS r_3 6
RADIUS WIDTH C 0.7
PLATE TOOTH WIDTH B_1 2.6

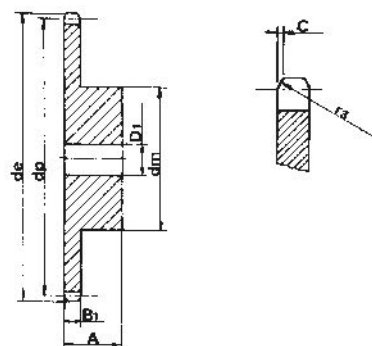
CHAIN mm
PITCH 6
INNER WIDTH 2.8
ROLLER - Ø 4

SPROCKETS

SINGLE					
Z	d _e	d _p	d _m	D ₁	A
8	19.4	16.58	10	6	12
9	21.4	18.56	11.5	6	12
10	23.3	20.55	13	6	12
11	25.3	22.54	15	8	13
12	27.3	24.53	17	8	13
13	29.3	26.53	17	8	13
14	31.3	28.53	17	8	13
15	33.3	30.53	20	8	13
16	35.3	32.55	22	8	14
17	37.3	34.55	22	8	14
18	39.4	36.56	25	8	14
19	41.4	38.58	25	8	14
20	43.4	40.58	25	8	14
21	45.4	42.60	30	8	14
22	47.4	44.62	30	8	14
23	49.4	46.63	30	8	14
24	51.4	48.64	30	8	14
25	53.5	50.66	30	8	14
26	55.5	52.67	30	8	16
27	57.5	54.69	30	8	16
28	59.5	56.71	30	8	16
29	61.5	58.73	30	8	16
30	63.6	60.75	30	8	16
31	65.6	62.76	30	8	16
32	67.6	64.78	30	8	16
33	69.6	66.80	30	8	16
34	71.6	68.82	30	8	16
35	73.6	70.84	30	8	16
36	75.6	72.85	30	8	16
37	77.7	74.87	30	8	16
38	79.7	76.89	30	8	16
39	81.7	78.91	30	8	16
40	83.7	80.93	30	8	16

1/4" x 1/8"

for roller chains in compliance with DIN 8188 ASA 25
ISO/R 606 - ANSI B 29.1



SPROCKET mm
TOOTH RADIUS r_3 6.4
RADIUS WIDTH C 0.7
SPROCKET TOOTH WIDTH B_1 2.9

CHAIN mm
PITCH 6.35
INNER WIDTH 3.18
ROLLER - Ø 3.3

MATERIAL: C 45 UNI 7845

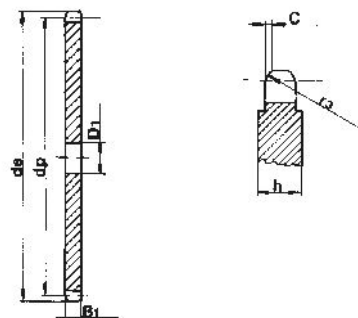
PLATE WHEELS

Z	d _e	d _p	S D ₁	Z	d _e	d _p	S D ₁
8	19.4	16.58	6	44	91.8	89.01	10
9	21.4	18.56	6	45	93.8	91.03	10
10	23.3	20.55	6	46	95.8	93.05	10
11	25.3	22.54	8	47	97.9	95.07	10
12	27.3	24.53	8	48	99.9	97.09	10
13	29.3	26.53	8	49	101.9	99.10	10
14	31.3	28.53	8	50	103.9	101.13	10
15	33.3	30.53	8	51	105.9	103.14	12
16	35.3	32.55	8	52	108.0	105.16	12
17	37.3	34.55	8	53	110.0	107.18	12
18	39.4	36.56	8	54	112.0	109.18	12
19	41.4	38.58	8	55	114.0	111.23	12
20	43.4	40.58	8	56	116.0	113.25	12
21	45.4	42.60	8	57	118.1	115.27	12
22	47.4	44.62	8	58	120.1	117.29	12
23	49.4	46.63	8	59	122.1	119.31	12
24	51.4	48.64	8	60	124.1	121.32	12
25	53.5	50.66	8	62	128.2	125.37	12
26	55.5	52.67	8	64	132.2	129.41	12
27	57.5	54.69	8	65	134.2	131.43	12
28	59.5	56.71	8	66	136.2	133.45	14
29	61.5	58.73	8	68	140.3	137.49	14
30	63.6	60.75	8	70	144.3	141.53	14
31	65.6	62.76	10	72	148.4	145.58	14
32	67.6	64.78	10	75	154.4	151.63	14
33	69.6	66.80	10	76	156.5	153.66	14
34	71.6	68.82	10	78	160.5	157.7	16
35	73.6	70.84	10	80	164.5	161.74	16
36	75.6	72.85	10	85	174.6	171.85	16
37	77.7	74.87	10	90	184.7	181.95	16
38	79.7	76.89	10	95	194.8	192.05	16
39	81.7	78.91	10	100	204.9	202.15	16
40	83.7	80.93	10	110	225.1	222.37	16
41	85.7	82.95	10	114	233.2	230.45	16
42	87.8	84.97	10	120	245.4	242.58	16
43	89.8	86.98	10	125	255.5	252.68	16

1/4" x 1/8"

for roller chains in compliance with DIN 8188 ASA
25 ISO/R 606 - ANSI B 29.1

The plate size is increased by h = 4mm starting
from Z.51



PLATEWHEEL mm
TOOTH RADIUS r_3 6.4
RADIUS WIDTH C 0.7
PLATE TOOTH WIDTH B_1 2.9

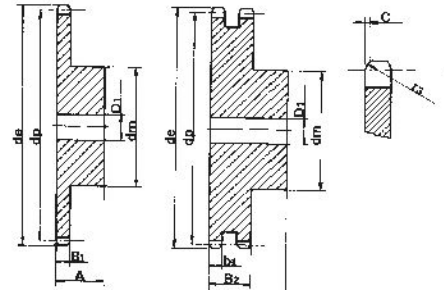
CHAIN mm
PITCH 6.35
INNER WIDTH 3.18
ROLLER - Ø 3.3

SPROCKETS

Z	d _e	d _b	d _m	SINGLE		DOUBLE		A
				D ₁	A	d _m	D ₁	A
8	24.0	20.90	13	6	12	12	8	18
9	26.6	23.39	15	6	12	15	8	18
10	29.2	25.89	17	8	12	17	8	18
11	31.7	28.39	18	8	13	19	10	18
12	34.2	30.91	20	8	13	21	10	18
13	36.7	33.42	23	8	13	24	10	18
14	39.2	35.95	25	8	13	26	10	18
15	41.7	38.48	28	8	13	29	10	18
16	44.3	41.01	30	8	14	32	10	20
17	46.8	43.53	30	8	14	34	10	20
18	49.3	46.07	30	8	14	37	10	20
19	51.9	48.61	30	8	14	39	10	20
20	54.4	51.14	30	8	14	40	10	20
21	57.0	53.68	35	8	14	40	10	20
22	59.5	56.21	35	8	14	40	10	20
23	62.0	58.75	35	8	14	40	10	20
24	64.6	61.29	35	8	14	40	10	20
25	67.5	63.83	35	8	14	40	10	20
28	69.5	66.37	40	10	16	50	12	22
27	72.2	68.91	40	10	16	50	12	22
28	74.8	71.45	40	10	16	50	12	22
29	77.3	73.99	40	10	16	50	12	22
30	79.8	76.53	40	10	16	50	12	22
31	82.4	79.08	40	10	16	60	12	22
32	84.9	81.61	40	10	16	60	12	22
33	87.5	84.16	40	10	16	60	12	22
34	90.0	86.70	40	10	16	60	12	22
35	92.5	89.25	40	10	16	60	12	22
36	95.0	91.79	40	10	16	60	12	22
37	97.6	94.33	40	10	16	60	12	22
38	100.2	96.88	40	10	16	60	12	22
39	102.7	99.42	40	10	16	60	12	22
40	105.3	101.97	40	10	16	60	12	22
45	118.0	114.69	60	12	20			
50	130.7	127.41	60	12	20			
57	148.6	145.22	80	14	20			
76	197.7	193.59	80	20	25			

8 x 3 mm

for roller chains in compliance with DIN 81 87
ISO/R 606 The plate size is increased by h =
4mm for Z.57 and Z.76



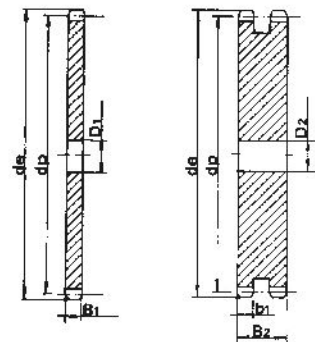
SPROCKET	mm
TOOTH RADIUS r ₃	8
RADIUS WIDTH C	1.0
SPROCKET TOOTH WIDTH B ₁	2.8
SPROCKET TOOTH WIDTH b ₁	2.7
SPROCKET TOOTH WIDTH B ₂	8.3
CHAIN	mm
PITCH	8
INNER WIDTH	3
ROLLER - Ø	5

PLATE WHEELS

Z	d _e	d _b	S D ₁	D D ₂	Z	d _e	d _b	S D ₁	D D ₂
8	24.0	20.90	6	6	44	115.5	112.14	12	14
9	26.6	23.39	6	6	45	118.0	114.69	12	14
10	29.2	25.89	8	8	46	120.6	117.23	12	14
11	31.7	28.39	8	8	47	123.1	119.77	12	14
12	34.2	30.91	8	8	48	125.6	122.32	12	14
13	36.7	33.42	8	8	49	128.2	124.86	12	14
14	39.2	35.95	8	8	50	130.7	127.41	12	14
15	41.7	38.48	8	8	51	133.3	129.95	14	16
16	44.3	41.01	8	10	52	135.8	132.49	14	16
17	46.8	43.53	8	10	53	138.4	135.04	14	16
18	49.3	46.07	8	10	54	140.9	137.59	14	16
19	51.9	48.61	8	10	55	143.5	140.13	14	16
20	54.4	51.14	8	10	56	146.0	142.68	14	16
21	57.0	53.68	8	10	57	148.6	145.22	14	16
22	59.5	56.21	8	10	58	151.0	147.77	14	16
23	62.0	58.75	8	10	59	153.6	150.31	14	16
24	64.6	61.29	8	10	60	156.2	152.85	14	16
25	67.5	63.83	8	10	62	162.0	157.95	16	20
26	69.5	66.37	10	12	64	167.1	163.04	16	20
27	72.2	68.91	10	12	65	169.6	165.58	16	20
28	74.8	71.45	10	12	66	172.2	168.13	16	20
29	77.3	73.99	10	12	68	177.3	173.22	16	20
30	79.8	76.53	10	12	70	182.4	178.31	16	20
31	82.4	79.08	10	12	72	187.5	183.41	20	20
32	84.9	81.61	10	12	75	195.1	191.04	20	20
33	87.5	84.16	10	12	76	197.7	193.59	20	20
34	90.0	86.70	10	12	78	202.8	198.68	20	20
35	92.5	89.25	10	12	80	207.9	203.77	20	20
36	95.0	91.79	10	12	85	220.6	216.50	20	20
37	97.6	94.33	10	12	90	233.4	229.23	20	20
38	100.2	96.88	10	12	95	246.1	241.96	20	20
39	102.7	99.42	10	12	100	258.9	254.68	20	20
40	105.3	101.97	10	12	110	284.3	280.15	20	20
41	107.8	104.51	12	14	114	294.5	290.33	20	20
42	110.4	107.05	12	14	120	310.0	305.61	20	20
43	112.9	109.60	12	14	125	322.5	318.34	20	20

8 x 3 mm

for roller chains in compliance with DIN
8187 ISO/R 606 The plate size is increased
by h = 4mm starting from Z.46

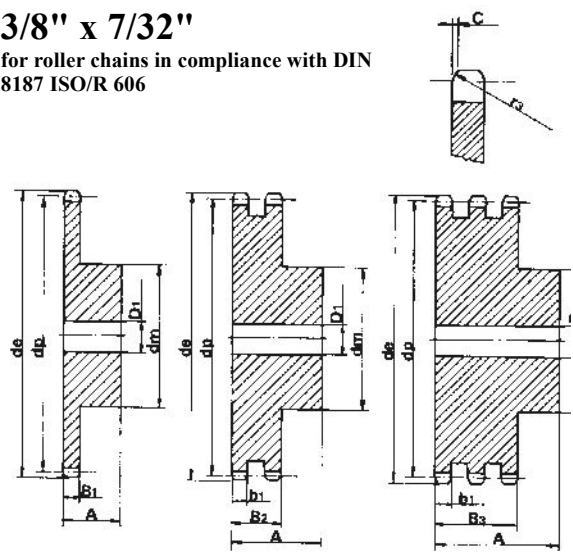


PLATEWHEEL	mm
TOOTH RAD IUS r ₃	8
RADIUS WIDTH C	1.0
PLATE TOOTH WIDTH B ₁	2.8
PLATE TOOTH WIDTH b ₁	2.7
PLATE TOOTH WIDTH B ₂	8.3
CHAIN	mm
PITCH	8
INNER WIDTH	3
ROLLER - Ø	5

SPROCKETS

Z	de	dp	SINGLE			DOUBLE			TRIPLE		
			dm	D1	A	dm	D1	A	dm	D1	A
8	28.0	24.89	15	6	22	15	6	22	15	6	32
9	31.0	27.85	18	8	22	18	8	22	18	8	32
10	34.0	30.82	20	8	22	20	8	22	20	10	32
11	37.0	33.80	22	8	25	22	10	25	22	10	35
12	40.0	36.80	25	8	25	25	10	25	25	10	35
13	43.0	39.79	28	10	25	28	10	25	28	10	35
14	46.3	42.80	31	10	25	31	10	25	31	12	35
15	49.3	45.81	34	10	25	34	10	25	34	12	35
16	52.3	48.82	37	10	28	37	12	30	37	12	35
17	55.3	51.83	40	10	28	40	12	30	40	12	35
18	58.3	54.85	43	10	28	43	12	30	43	12	35
19	61.3	57.87	45	10	28	46	12	30	46	12	35
20	64.3	60.89	46	10	28	49	12	30	49	12	35
21	68.0	63.91	48	12	28	52	12	30	52	14	40
22	71.0	66.93	50	12	28	55	12	30	55	14	40
23	73.5	69.95	52	12	28	58	12	30	58	14	40
24	77.0	72.97	54	12	28	61	12	30	61	14	40
25	80.0	76.00	57	12	28	64	12	30	64	14	40
26	83.0	79.02	60	12	28	67	12	30	67	14	40
27	86.0	82.05	60	12	28	70	12	30	70	14	40
28	89.0	85.07	60	12	28	73	12	30	73	14	40
29	92.0	88.09	60	12	28	76	12	30	76	14	40
30	94.7	91.12	60	12	30	79	12	30	79	14	40
31	98.3	94.15	65	14	30	80	16	30	80	16	40
32	101.3	97.17	65	14	30	80	16	30	80	16	40
33	104.3	100.20	65	14	30	80	16	30	80	16	40
34	107.3	103.23	65	14	30	80	16	30	85	16	40
35	110.4	106.26	65	14	30	80	16	30	85	16	40
36	113.4	109.29	70	16	30	90	16	30	90	16	40
37	116.4	112.32	70	16	30	90	16	30	90	16	40
38	119.5	115.35	70	16	30	90	16	30	90	16	40
39	122.5	118.37	70	16	30	90	16	30	90	16	40
40	125.5	121.40	70	16	30	90	16	30	90	16	40

3/8" x 7/32"
for roller chains in compliance with DIN 8187 ISO/R 606



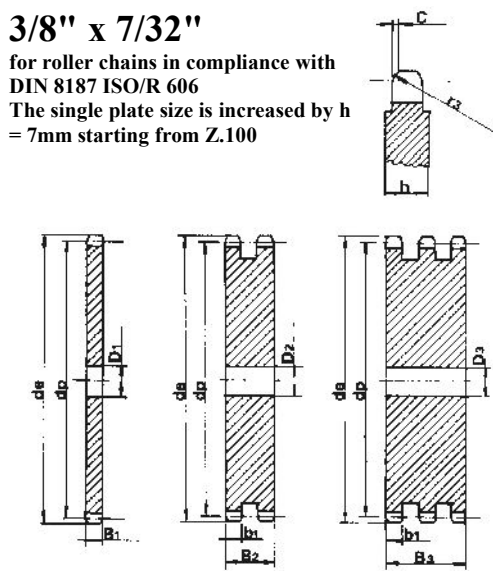
SPROCKET	mm
TOOTH RADIUS r ₃	10
RADIUS WIDTH C	1
SPROCKET TOOTH WIDTH B	5.3
SPROCKET TOOTH WIDTH b ₁	5.2
SPROCKET TOOTH WIDTH B ₂	15.4
SPROCKET TOOTH WIDTH B ₃	25.6
CHAIN	mm
PITCH	9.525
INNER WIDTH	5.72
ROLLER - Ø	6.35

MATERIAL: C 45 UNI 7845

PLATEWHEELS

Z	d _e	d _p	S	D ₁	D ₂	D ₃	Z	d _e	d _p	S	D ₁	D ₂	D ₃
8	28.0	24.89	6	6	6	44	137.6	133.52	16	16	16	16	16
9	31.0	27.85	7	8	8	45	140.7	136.55	16	16	16	16	16
10	34.0	30.82	7	8	10	46	143.7	139.58	16	16	16	16	16
11	37.0	33.80	8	10	10	47	146.7	142.61	16	16	16	16	16
12	40.0	36.80	8	10	10	48	149.7	145.64	16	16	16	16	16
13	43.0	39.79	8	10	10	49	152.7	148.66	16	16	16	16	16
14	46.3	42.80	8	10	12	50	155.7	151.69	16	16	16	16	16
15	49.3	45.81	8	10	12	51	158.7	154.72	16	16	16	16	20
16	52.3	48.82	10	12	12	52	161.8	157.75	16	16	16	16	20
17	55.3	51.83	10	12	12	53	164.8	160.78	16	16	16	16	20
18	58.3	54.85	10	12	12	54	167.8	163.82	16	16	16	16	20
19	61.3	57.87	10	12	12	55	170.8	166.85	16	16	16	16	20
20	64.3	60.89	10	12	12	56	173.8	169.88	16	16	16	16	20
21	68.0	63.91	10	12	14	57	176.9	172.91	16	16	16	16	20
22	71.0	66.93	10	12	14	58	179.9	175.93	16	16	16	16	20
23	73.5	69.95	10	12	14	59	183.0	178.96	16	16	16	16	20
24	77.0	72.97	10	12	14	60	186.0	181.99	16	16	16	16	20
25	80.0	76.02	10	12	14	62	192.1	188.06	20	20	20	20	20
26	83.0	79.02	10	12	14	64	198.2	194.12	20	20	20	20	20
27	86.0	82.02	10	12	14	65	201.6	197.15	20	20	20	20	20
28	89.0	85.07	10	12	14	66	204.6	200.18	20	20	20	20	25
29	92.0	88.09	10	12	14	68	210.7	206.24	20	20	20	20	25
30	94.7	91.12	10	12	14	70	216.7	212.3	20	20	20	20	25
31	98.3	94.15	12	14	16	72	222.8	218.37	20	20	20	20	25
32	101.3	97.17	12	14	16	75	231.9	227.46	20	20	20	20	25
33	104.3	100.20	12	14	16	76	234.9	230.49	20	20	20	20	25
34	107.3	103.23	12	14	16	78	241.0	236.55	20	20	20	20	25
35	110.4	106.26	12	14	16	80	247.1	242.61	20	20	20	20	25
36	113.4	109.29	12	14	16	85	262.2	257.77	20	20	20	20	25
37	116.4	112.32	12	14	16	90	277.4	272.93	20	20	20	20	25
38	119.5	115.35	12	14	16	95	292.5	288.08	20	20	20	20	25
39	122.5	118.37	12	14	16	100	307.7	303.25	20	20	20	20	25
40	125.5	121.40	12	14	16	110	338.0	333.55	20	20	20	20	25
41	128.5	124.43	16	16	16	114	349.5	345.68	20	20	20	20	25
42	131.6	127.46	16	16	16	120	368.3	363.86	20	20	20	20	25
43	134.6	130.49	16	16	16	125	383.5	379.02	20	20	20	20	25

3/8" x 7/32"
for roller chains in compliance with DIN 8187 ISO/R 606
The single plate size is increased by h = 7mm starting from Z.100



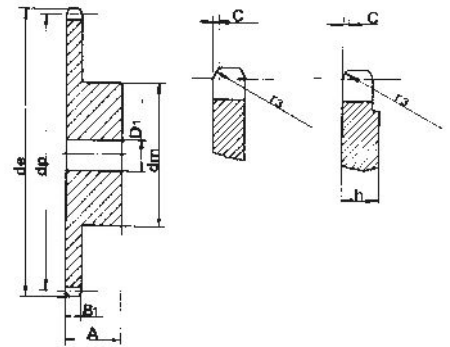
PLATEWHEEL	mm
TOOTH RADIUS r ₃	10
RADIUS WIDTH C	1
PLATE TOOTH WIDTH B ₁	5.3
PLATE TOOTH WIDTH b ₁	5.2
PLATE TOOTH WIDTH B ₂	15.4
PLATE TOOTH WIDTH B ₃	25.6
CHAIN	mm
PITCH	9.525
INNER WIDTH	5.72
ROLLER - Ø	6.35

SPROCKETS

SINGLE					
Z	d _e	d _p	d _m	D ₁	A
8	37.2	33.18	21	8	14
9	41.5	37.13	25	8	14
10	46.2	41.10	28	8	14
11	49.6	45.07	31	8	16
12	53.9	49.07	35	8	16
13	58.4	53.06	39	8	16
14	62.8	57.07	43	8	16
15	66.8	61.09	47	8	16
16	70.9	65.10	50	10	18
17	74.9	69.11	50	10	18
18	78.9	73.14	50	10	18
19	82.9	77.16	50	10	18
20	86.9	81.19	50	10	18
21	91.0	85.22	60	12	20
22	95.0	89.24	60	12	20
23	99.0	93.27	60	12	20
24	103.0	97.29	60	12	20
25	107.1	101.33	60	12	20
26	111.2	105.36	70	16	20
27	115.4	109.40	70	16	20
28	119.4	113.42	70	16	20
29	123.4	117.46	70	16	20
30	127.5	121.50	70	16	20
31	131.5	125.54	70	16	20
32	135.5	129.56	70	16	20
33	139.6	133.60	70	16	20
34	143.6	137.64	70	16	20
35	147.6	141.68	70	16	20
36	151.7	145.72	70	16	25
37	155.7	149.76	70	16	25
38	159.8	153.80	70	16	25
39	163.8	157.83	70	16	25
40	167.8	161.87	70	16	25

1/2"X1/8"

for roller chains in compliance with DIN 81 87
ISO/R 606 The plate size is increased by h = 5 mm
starting from Z.31



SPROCKET	mm
TOOTH RADIUS r ₃	13
RADIUS WIDTH C	1.0
SPROCKET TOOTH WIDTH B ₁	3

CHAIN	mm
PITCH	12.7
INNER WIDTH	3.3
ROLLER - Ø	7.75

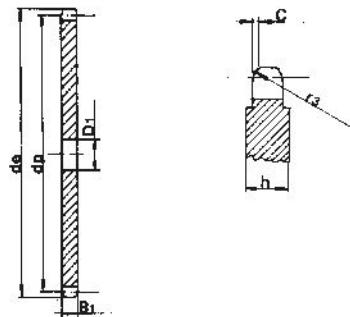
MATERIAL: C 45 UNI 7845

PLATE WITH E E L S

S			S		
Z	d _e	d _p	Z	d _e	d _p
8	37.2	33.18	43	179.5	173.99
9	41.5	37.13	44	183.5	178.03
10	46.2	41.10	45	187.5	182.07
11	49.6	45.07	46	191.6	186.10
12	53.9	49.07	47	195.6	190.14
13	58.4	53.06	48	199.7	194.18
14	62.8	57.07	49	203.7	198.22
15	66.8	61.09	50	207.8	202.26
16	70.9	65.10	51	211.8	206.30
17	74.9	69.11	52	215.9	210.34
18	78.9	73.14	53	219.9	214.37
19	82.9	77.16	54	224.0	218.43
20	86.9	81.19	55	228.0	222.46
21	91.0	85.22	56	232.1	226.50
22	95.0	89.24	57	236.1	230.54
23	99.0	93.27	58	240.2	234.58
24	103.0	97.29	59	244.2	238.62
25	107.1	101.33	60	248.2	242.66
26	111.2	105.36	62	256.7	250.75
27	115.4	109.40	64	264.8	258.82
28	119.4	113.42	65	268.8	262.86
29	123.4	117.46	66	272.9	268.90
30	127.5	121.50	68	280.9	274.99
31	131.5	125.54	70	289.0	283.07
32	135.5	129.56	72	297.1	291.16
33	139.6	133.60	76	313.3	307.33
34	143.6	137.64	78	321.4	315.40
35	147.6	141.68	80	329.4	323.48
36	151.7	145.72	85	349.7	343.70
37	155.7	149.76	90	369.9	363.90
38	159.8	153.80	95	390.1	384.10
39	163.8	157.83	100	410.3	404.31
40	167.8	161.87	110	450.7	444.74
41	171.4	165.91	114	466.9	460.90
42	175.4	169.95	120	491.2	485.16
			125	511.4	505.37

1/2"X 1/8"

for roller chains in compliance with DIN 81 87 ISO/R 606
The plate size is increased by h = 4mm starting from Z.30
The plate size is increased by h = 6mm starting from Z.90



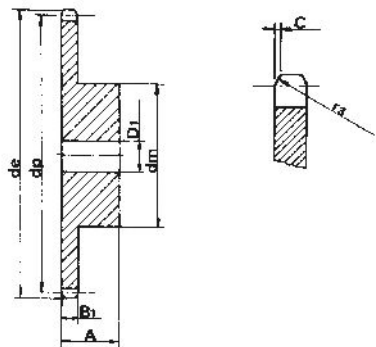
PLATEWHEEL	mm
TOOTH RADIUS r ₃	13
RADIUS WIDTH C	1.0
PLATE TOOTH WIDTH B ₁	3

CHAIN	mm
PITCH	12.7
INNER WIDTH	3.3
ROLLER - Ø	7.75

SPROCKETS

SINGLE					
Z	d _e	d _p	d _m	D ₁	A
8	38.5	33.18	21	8	14
9	41.5	37.13	25	8	14
10	46.2	41.10	28	8	14
11	49.6	45.07	31	8	16
12	53.9	49.07	35	8	16
13	58.4	53.06	39	8	16
14	62.8	57.07	43	8	16
15	66.8	61.09	47	8	16
16	70.9	65.10	50	10	18
17	74.9	69.11	50	10	18
18	78.9	73.14	50	10	18
19	82.9	77.16	50	10	18
20	88.9	81.19	50	10	18
21	91.0	85.22	60	12	20
22	95.0	89.24	60	12	20
23	99.0	93.27	60	12	20
24	103.0	97.29	60	12	20
25	107.1	101.33	60	12	20
26	111.2	105.36	70	16	20
27	115.4	109.40	70	16	20
28	119.4	113.42	70	16	20
29	123.4	117.46	70	16	20
30	127.5	121.50	70	16	20
31	131.5	125.54	70	16	20
32	135.5	129.56	70	16	20
33	139.6	133.60	70	16	20
34	143.6	137.64	70	16	20
35	147.6	141.68	70	16	20
36	151.7	145.72	70	16	25
37	155.7	149.76	70	16	25
38	159.8	153.80	70	16	25
39	163.8	157.83	70	16	25
40	167.8	161.87	70	16	25

1/2" x 3/16"
for roller chains in compliance with DIN 81 87 ISO/R 606



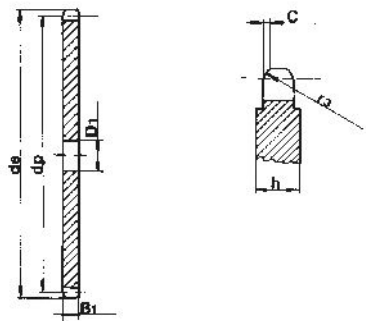
SPROCKET	mm -
TOOTH RADIUS r ₃	13
RADIUS WIDTH C	1.3
SPROCKET TOOTH WIDTH B ₁	4.5
CHAIN	mm -
PITCH	12.7
INNER WIDTH	4.88
ROLLER - Ø	7.75

MATERIAL: C 45 UNI 7845

PLATE WHEELS

Z	d _e	d _p	S D ₁	Z	d _e	d _p	S D ₁
8	38.5	33.18	8	43	179.5	173.99	16
9	41.5	37.13	8	44	183.5	178.03	16
10	46.2	41.10	8	45	187.5	182.07	16
11	49.6	45.07	8	46	191.6	186.10	20
12	53.9	49.07	8	47	195.6	190.14	20
13	58.4	53.06	8	48	199.7	194.18	20
14	62.8	57.07	8	49	203.7	198.22	20
15	66.8	61.09	8	50	207.8	202.26	20
16	70.9	65.10	10	51	211.8	206.30	20
17	74.9	69.11	10	52	215.9	210.34	20
18	78.9	73.14	10	53	219.9	214.37	20
19	82.9	77.16	10	54	224.0	218.43	20
20	86.9	81.19	10	55	228.0	222.46	20
21	91.0	85.22	10	56	232.1	226.50	20
22	95.0	89.24	10	57	236.1	230.54	20
23	99.0	93.27	10	58	240.2	234.58	20
24	103.0	97.29	10	59	244.2	238.62	20
25	107.1	101.33	10	60	248.2	242.66	20
26	111.2	105.36	12	62	256.7	250.75	20
27	115.4	109.40	12	64	264.8	258.82	20
28	119.4	113.42	12	65	268.8	262.86	20
29	123.4	117.46	12	66	272.9	266.90	25
30	127.5	121.50	12	68	280.9	274.99	25
31	131.5	125.54	12	70	289.0	283.07	25
32	135.5	129.56	12	72	297.1	291.16	25
33	139.6	133.60	12	76	313.3	307.33	25
34	143.6	137.64	12	78	321.4	315.40	25
35	147.6	141.68	12	80	329.4	323.48	25
36	151.7	145.72	16	85	349.7	343.70	25
37	155.7	149.76	16	90	369.9	363.90	25
38	159.8	153.80	16	95	390.1	384.10	25
39	163.8	157.83	16	100	410.3	404.31	25
40	167.8	161.87	16	110	450.7	444.74	25
41	171.4	165.91	16	114	466.9	460.90	25
42	175.4	169.95	16	120	491.2	485.16	25
				125	511.4	505.37	25

1/2" x 3/16"
for roller chains in compliance with DIN 8187 ISO/R 606
The plate size is increased by h = 6 mm starting from Z.90



PLATEWHEEL	mm
TOOTH RAD1US r ₃	13
RADIUS WIDTH C	1.3
PLATE TOOTH WIDTH B ₁	4.3 ^{±0,2}
CHAIN	mm
PITCH	12.7
INNER WIDTH	4.88
ROLLER - Ø	7.75

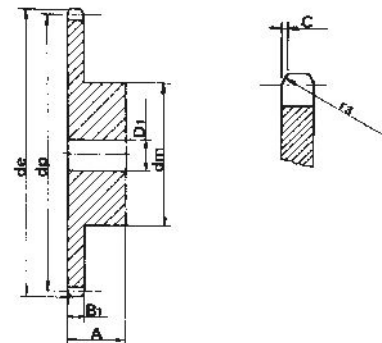
SPROCKETS

SINGLE					
Z	d _e	d _p	d _m	D ₁	A
8	38.5	33.18	20	10	25
9	41.5	37.13	24	10	25
10	46.2	41.10	26	10	25
11	49.6	45.07	29	10	25
12	53.9	49.07	33	10	28
13	58.4	53.06	37	10	28
14	62.8	57.07	41	10	28
15	66.8	61.09	45	10	28
16	70.9	65.10	50	12	28
17	74.9	69.11	52	12	28
18	78.9	73.14	56	12	28
19	82.9	77.16	60	12	28
20	86.9	81.19	64	12	28
21	91.0	85.22	68	14	28
22	95.0	89.24	70	14	28
23	99.0	93.27	70	14	28
24	103.0	97.29	70	14	28
25	107.1	101.33	70	14	28
26	111.2	105.36	70	16	30
27	115.4	109.40	70	16	30
28	119.4	113.42	70	16	30
29	123.4	117.46	80	16	30
30	127.5	121.50	80	16	30
31	131.5	125.54	90	16	30
32	135.5	129.56	90	16	30
33	139.6	133.60	90	16	30
34	143.6	137.64	90	16	30
35	147.6	141.68	90	16	30
36	151.7	145.72	90	16	35
37	155.7	149.76	90	16	35
38	159.8	153.80	90	16	35
39	163.8	157.83	90	16	35
40	167.8	161.87	90	16	35

Sprocket sizes subject to availability

1/2" x 1/4" - 7.75 roller size

for roller chains in compliance with DIN 8187ISO/R 606



SPROCKET	mm
TOOTH RADIUS r ₃	13
RADIUS WIDTH C	1.3
SPROCKET TOOTH WIDTH B ₁	5.9
CHAIN	mm
PITCH	12.7
INNER WIDTH	6.4
ROLLER - Ø	7.75

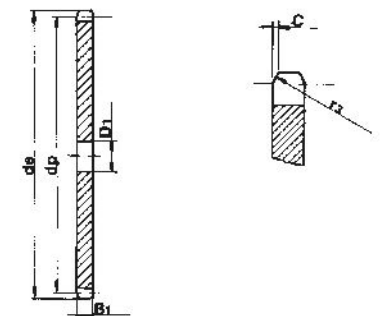
MATERIAL: C 45 UNI 7845

PLATEWHEELS

Z	d _e	d _p	S D ₁	Z	d _e	d _p	S D ₁
8	38.5	33.18	8	43	179.5	173.99	16
9	41.5	37.13	8	44	183.5	178.03	16
10	46.2	41.10	8	45	187.5	182.07	16
11	49.6	45.07	8	46	191.6	186.10	20
12	53.9	49.07	8	47	195.6	190.14	20
13	58.4	53.06	8	48	199.7	194.18	20
14	62.8	57.07	8	49	203.7	198.22	20
15	66.8	61.09	8	50	207.8	202.26	20
16	70.9	65.10	10	51	211.8	206.30	20
17	74.9	69.11	10	52	215.9	210.34	20
18	78.9	73.14	10	53	219.9	214.37	20
19	82.9	77.16	10	54	224.0	218.43	20
20	86.9	81.19	10	55	228.0	222.46	20
21	91.0	85.22	10	56	232.1	226.50	20
22	95.0	89.24	10	57	236.1	230.54	20
23	99.0	93.27	10	58	240.2	234.58	20
24	103.0	97.29	10	59	244.2	238.62	20
25	107.1	101.33	10	60	248.2	242.66	20
26	111.2	105.36	12	62	256.7	250.75	20
27	115.4	109.40	12	64	264.8	258.82	20
28	119.4	113.42	12	65	268.8	262.86	20
29	123.4	117.46	12	66	272.9	266.90	25
30	127.5	121.50	12	68	280.9	274.99	25
31	131.5	125.54	12	70	289.0	283.07	25
32	135.5	129.56	12	72	297.1	291.16	25
33	139.6	133.60	12	76	313.3	307.33	25
34	143.6	137.64	12	78	321.4	315.40	25
35	147.6	141.68	12	80	329.4	323.48	25
36	151.7	145.72	16	85	349.7	343.70	25
37	155.7	149.76	16	90	369.9	363.90	25
38	159.8	153.80	16	95	390.1	384.10	25
39	163.8	157.83	16	100	410.3	404.31	25
40	167.8	161.87	16	110	450.7	444.74	25
41	171.4	165.91	16	114	466.9	460.90	25
42	175.4	169.95	16	120	491.2	485.16	25
				125	511.4	505.37	25

1/2" x 1/4" - 7.75 roller size

for roller chains in compliance with DIN 81 87ISO/R 606

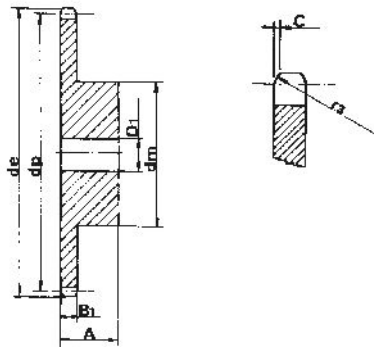


PLATEWHEEL	mm
TOOTH RADIUS r ₃	13
RADIUS WIDTH C	1.3
PLATE TOOTH WIDTH B ₁	5.9
CHAIN	mm
PITCH	12.7
INNER WIDTH	6.4
ROLLER - Ø	7.75

SPROCKETS

SINGLE					
Z	d _e	d _p	d _m	D ₁	A
8	37.2	33.18	20	10	25
9	41.0	37.13	24	10	25
10	45.2	41.10	26	10	25
11	48.7	45.07	29	10	25
12	53.0	49.07	33	10	28
13	57.4	53.06	37	10	28
14	61.8	57.07	41	10	28
15	65.5	61.09	45	10	28
16	69.5	65.10	50	12	28
17	73.6	69.11	52	12	28
18	77.8	73.14	56	12	28
19	81.7	77.16	60	12	28
20	85.8	81.19	64	12	28
21	89.7	85.22	68	14	28
22	93.8	89.24	70	14	28
23	98.2	93.27	70	14	28
24	101.8	97.29	70	14	28
25	105.8	101.33	70	14	28
26	110.0	105.36	70	16	30
27	114.0	109.40	70	16	30
28	118.0	113.42	70	16	30
29	122.0	117.46	80	16	30
30	126.1	121.50	80	16	30
31	130.2	125.54	90	16	30
32	134.3	129.56	90	16	30
33	138.4	133.60	90	16	30
34	142.6	137.64	90	16	30
35	146.7	141.68	90	16	30
36	151.0	145.72	90	16	35
37	154.6	149.76	90	16	35
38	158.6	153.80	90	16	35
39	162.7	157.83	90	16	35
40	166.8	161.87	90	16	35

1/2" x 1/4" - 8.51 roller size
for roller chains in compliance with DIN 8187 ISO/R 606



SPROCKET
TOOTH RADIUS r₃ 13
RADIUS WIDTH C 1.3
SPROCKET TOOTH WIDTH B₁ 5.9

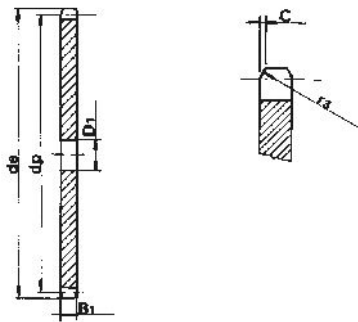
CHAIN
PITCH 12.7
INNER WIDTH 6.4
ROLLER - Ø 8.51

MATERIAL: C 45 UNI 7845

PLATEWHEELS

Z	d _e	d _p	S D ₁	Z	d _e	d _p	S D ₁
8	37.2	33.18	8	43	179.7	173.99	16
9	41.0	37.13	8	44	183.8	178.03	16
10	45.2	41.10	8	45	188.0	182.07	16
11	48.7	45.07	8	46	192.1	186.10	20
12	53.0	49.07	8	47	196.2	190.14	20
13	57.4	53.06	8	48	200.3	194.18	20
14	61.8	57.07	8	49	204.3	198.22	20
15	65.5	61.09	8	50	208.3	202.26	20
16	69.5	65.10	10	51	212.1	206.30	20
17	73.6	69.11	10	52	216.1	210.34	20
18	77.8	73.14	10	53	220.2	214.37	20
19	81.7	77.16	10	54	224.1	218.43	20
20	85.8	81.19	10	55	228.1	222.46	20
21	89.7	85.22	10	56	232.2	226.50	20
22	93.8	89.24	10	57	236.4	230.54	20
23	98.2	93.27	10	58	240.5	234.58	20
24	101.8	97.29	10	59	244.5	238.62	20
25	105.8	101.33	10	60	248.6	242.66	20
26	110.0	105.36	12	62	256.9	250.75	20
27	114.0	109.40	12	64	265.1	258.82	20
28	118.0	113.42	12	65	269.0	262.86	20
29	122.0	117.46	12	66	273.0	266.90	25
30	126.1	121.50	12	68	281.0	274.99	25
31	130.2	125.54	12	70	289.0	283.07	25
32	134.2	129.56	12	72	297.2	291.16	25
33	138.4	133.60	12	76	313.3	307.33	25
34	142.6	137.64	12	78	321.4	315.40	25
35	146.7	141.68	12	80	329.4	323.48	25
36	151.0	145.72	16	85	349.0	343.70	25
37	154.6	149.76	16	90	369.9	363.90	25
38	158.6	153.80	16	95	390.1	384.10	25
39	162.7	157.83	16	100	410.3	404.31	25
40	166.8	161.87	16	110	450.7	444.74	25
41	171.4	165.91	16	114	466.9	460.90	25
42	175.4	169.95	16	120	491.2	485.16	25
				125	511.3	505.37	25

1/2" x 1/4" - 8.51 roller size
for roller chains in compliance with DIN 81 87 ISO/R 606



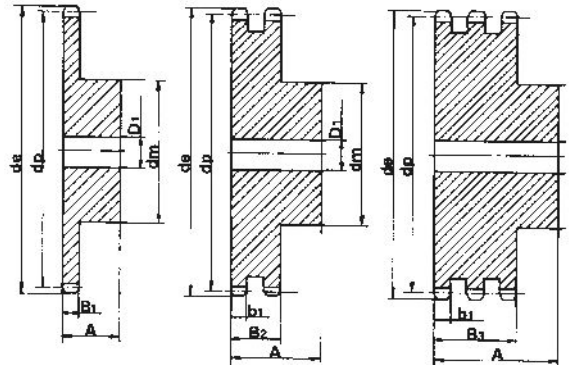
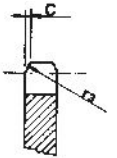
PLATEWHEEL
TOOTH RADIUS r₃ 13
RADIUS WIDTH C 1.3
PATE TOOTH WIDTH B₁ 5.9
CHAIN
PITCH 12.7
INNER WIDTH 6.4
ROLLER - Ø 8.51

SPROCKETS

Z	d _e	d _p	SINGLE			DOUBLE			TRIPLE		
			d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
8	37.2	33.18	20	10	25	20	10	32	20	10	46
9	41.0	37.13	24	10	25	24	10	32	24	12	46
10	45.2	41.10	26	10	25	28	10	32	28	12	46
11	48.7	45.07	29	10	25	32	12	35	32	14	50
12	53.0	49.07	33	10	28	35	12	35	35	14	50
13	57.4	53.06	37	10	28	38	12	35	38	14	50
14	61.8	57.07	41	10	28	42	12	35	42	14	50
15	65.5	61.09	45	10	28	46	12	35	46	14	50
16	69.5	65.10	50	12	28	50	14	35	50	16	50
17	73.6	69.11	52	12	28	54	14	35	54	16	50
18	77.8	73.14	56	12	28	58	14	35	58	16	50
19	81.7	77.16	60	12	28	62	14	35	62	16	50
20	85.8	81.19	64	12	28	66	14	35	66	16	50
21	89.7	85.22	68	12	28	70	16	40	70	20	55
22	93.8	89.24	70	12	28	70	16	40	70	20	55
23	98.2	93.27	70	14	28	70	16	40	70	20	55
24	101.8	97.29	70	14	28	75	16	40	75	20	55
25	105.8	101.33	70	14	28	80	16	40	80	20	55
26	110.0	105.36	70	16	30	85	20	40	85	20	55
27	114.0	109.40	70	16	30	85	20	40	85	20	55
28	118.0	113.42	70	16	30	90	20	40	90	20	55
29	122.0	117.46	80	16	30	95	20	40	95	20	55
30	126.1	121.50	80	16	30	100	20	40	100	20	55
31	130.2	125.54	90	16	30	100	20	40	110	20	55
32	134.3	129.56	90	16	30	100	20	40	110	20	55
33	138.4	133.60	90	16	30	100	20	40	110	20	55
34	142.6	137.64	90	16	30	100	20	40	110	20	55
35	146.7	141.68	90	16	30	100	20	40	110	20	55
36	151.0	145.72	90	16	35	110	20	40	120	25	55
37	154.6	149.76	90	16	35	110	20	40	120	25	55
38	158.6	153.80	90	16	35	110	20	40	120	25	55
39	162.7	157.83	90	16	35	110	20	40	120	25	55
40	166.8	161.87	90	16	35	110	20	40	120	25	55

1/2" x 5/16"

for roller chains in compliance with DIN 8187 ISO/R 606



SPROCKET	mm
TOOTH RADIUS r ₃	13
RADIUS WIDTH C	1.3
SPROCKET TOOTH WIDTH B ₁	7.2
SPROCKET TOOTH WIDTH b ₁	7
SPROCKET TOOTH WIDTH B ₂	21
SPROCKET TOOTH WIDTH B ₃	34.9

CHAIN	mm
PITCH	12.7
INNER WIDTH	7.75
ROLLER - Ø	8.51

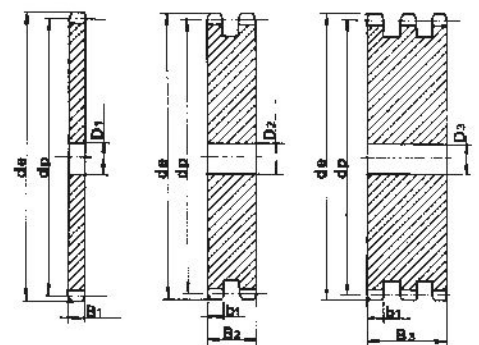
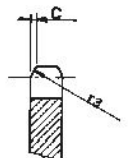
MATERIAL: C 45 UNI 7845

PLATE WHEELS

Z	d _e	d _p	S			Z	d _e	d _p	S		
			D ₁	D ₂	D ₃				D ₁	D ₂	D ₃
8	37.2	33.18	8	10	10	44	183.8	178.03	20	20	25
9	41.0	37.13	8	10	12	45	188.0	182.07	20	20	25
10	45.2	41.10	8	10	12	46	192.1	186.10	20	20	25
11	48.7	45.07	10	12	14	47	198.2	190.14	20	20	25
12	53.0	49.07	10	12	14	48	200.3	194.18	20	20	25
13	57.4	53.06	10	12	14	49	204.3	198.22	20	20	25
14	61.8	57.07	10	12	14	50	208.3	202.26	20	20	25
15	65.5	61.09	10	12	14	51	212.1	206.30	20	25	25
16	69.5	65.10	10	14	16	52	216.1	210.34	20	25	25
17	73.6	69.11	10	14	16	53	220.2	214.37	20	25	25
18	77.8	73.14	10	14	16	54	224.1	218.43	20	25	25
19	81.7	77.16	10	14	16	55	228.1	222.46	20	25	25
20	85.8	81.19	10	14	16	56	232.2	226.50	20	25	25
21	89.7	85.22	12	16	20	57	236.4	230.54	20	25	25
22	93.8	89.24	12	16	20	58	240.5	234.58	20	25	25
23	98.2	93.27	12	16	20	59	244.5	238.62	20	25	25
24	101.8	97.29	12	16	20	60	248.6	242.66	20	25	25
25	105.8	101.33	12	16	20	62	256.9	250.75	25	25	25
26	110.0	105.36	16	16	20	64	265.1	258.82	25	25	25
27	114.0	109.40	16	16	20	65	269.0	262.86	25	25	25
28	118.0	113.42	16	16	20	66	273.0	266.90	25	25	25
29	122.0	117.46	16	16	20	68	281.0	274.99	25	25	25
30	126.1	121.50	16	16	20	70	289.0	283.07	25	25	25
31	130.2	125.54	16	16	20	72	297.2	291.16	25	25	25
32	134.3	129.56	16	16	20	75	309.2	303.27	25	25	25
33	138.4	133.60	16	16	20	76	313.3	307.33	25	25	25
34	142.6	137.64	16	16	20	78	321.4	315.40	25	25	25
35	146.7	141.68	16	16	20	80	329.4	323.48	25	25	25
36	151.0	145.72	16	20	25	85	349.0	343.70	25	25	25
37	154.6	149.76	16	20	25	90	369.9	363.90	25	25	25
38	158.6	153.80	16	20	25	95	390.1	384.11	25	25	25
39	162.7	157.83	16	20	25	100	410.3	404.32	25	25	25
40	166.8	161.87	16	20	25	110	450.7	444.74	25	25	25
41	171.4	165.91	20	20	25	114	466.9	460.90	25	25	25
42	175.4	169.95	20	20	25	120	491.2	485.16	25	25	25
43	179.7	173.99	20	20	25	125	511.3	505.37	25	25	25

1/2" x 5/16"

for roller chains in compliance with DIN 8187 ISO/R 606



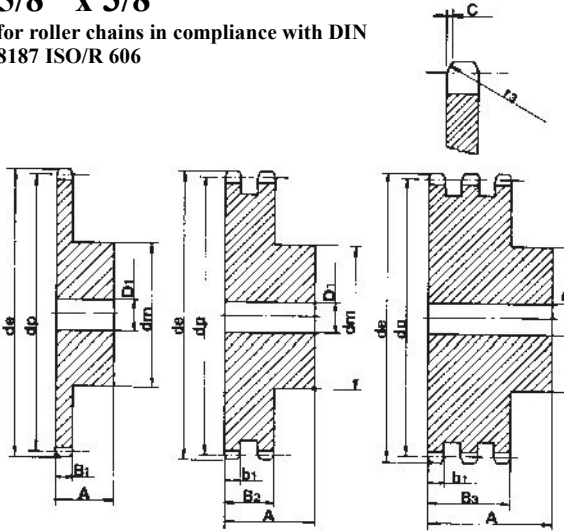
PLATEWHEEL	mm
TOOTH RADIUS r ₃	13
RADIUS WIDTH C	1.3
PLATE TOOTH WIDTH B ₁	7.2
PLATE TOOTH WIDTH b ₁	7
PLATE TOOTH WIDTH B ₂	21
PLATE TOOTH WIDTH B ₃	34.9

CHAIN	mm
PITCH	12.7
INNER WIDTH	7.75
ROLLER - Ø	8.51

SPROCKETS

Z	SINGLE					DOUBLE			TRIPLE		
	d _e	d _p	d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
8	47.0	41.48	25	10	25	25	12	40	25	12	55
9	52.6	46.42	30	10	25	30	12	40	30	12	55
10	57.5	51.37	35	10	25	35	12	40	35	16	55
11	63.0	56.34	37	12	30	39	14	40	39	16	55
12	68.0	61.34	42	12	30	44	14	40	44	16	55
13	73.0	66.32	47	12	30	49	14	40	49	16	55
14	78.0	71.34	52	12	30	54	14	40	54	16	55
15	83.0	76.36	57	12	30	59	14	40	59	16	55
16	88.0	81.37	60	12	30	64	16	45	64	16	60
17	93.0	86.39	60	12	30	69	16	45	69	16	60
18	98.3	91.42	70	14	30	74	16	45	74	16	60
19	103.3	96.45	70	14	30	79	16	45	79	16	60
20	108.4	101.49	75	14	30	84	16	45	84	16	60
21	113.4	106.52	75	16	30	85	16	45	85	20	60
22	118.0	111.55	80	16	30	90	16	45	90	20	60
23	123.4	116.58	80	16	30	95	16	45	95	20	60
24	128.3	121.62	80	16	30	100	16	45	100	20	60
25	134.0	126.66	80	16	30	105	16	45	105	20	60
26	139.0	131.70	85	20	35	110	20	45	110	20	60
27	144.0	136.75	85	20	35	110	20	45	110	20	60
28	148.7	141.78	90	20	35	115	20	45	115	20	60
29	153.8	146.83	90	20	35	115	20	45	115	20	60
30	158.8	151.87	90	20	35	120	20	45	120	20	60
31	163.9	156.92	95	20	35	120	20	45	120	20	60
32	168.9	161.95	95	20	35	120	20	45	120	20	60
33	174.5	167.00	95	20	35	120	20	45	120	20	60
34	179.0	172.05	95	20	35	120	20	45	120	20	60
35	184.1	177.10	95	20	35	120	20	45	120	20	60
36	189.1	182.15	100	20	35	120	20	45	120	25	60
37	194.2	187.20	100	20	35	120	20	45	120	25	60
38	199.2	192.24	100	20	35	120	20	45	120	25	60
39	204.2	197.29	100	20	35	120	20	45	120	25	60
40	209.3	202.34	100	20	35	120	20	45	120	25	60

5/8" x 3/8"
for roller chains in compliance with DIN
8187 ISO/R 606



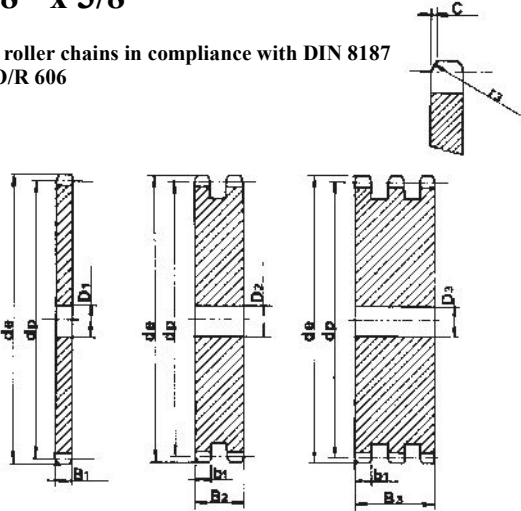
SPROCKET TOOTH RADIUS r₃ mm
RADIUS WIDTH C 16
SPROCKET TOOTH WIDTH B₁ 1.6
SPROCKET TOOTH WIDTH b₁ 9.1
SPROCKET TOOTH WIDTH B₂ 9
SPROCKET TOOTH WIDTH B₃ 25.5
CHAIN mm
PITCH 15.875
INNER WIDTH 9.65
ROLLER - Ø 10.16

MATERIAL: C 45 UNI 7845

PLATE WITH EEL S

	S			D			T				
Z	d _e	d _p	D ₁	D ₂	D ₃	Z	d _e	d _p	D ₁	D ₂	D ₃
8	47.0	41.48	10	12	12	44	230.0	222.53	20	20	25
9	52.6	46.42	10	12	12	45	235.0	227.58	20	20	25
10	57.5	51.37	10	12	16	46	240.1	232.63	20	25	25
11	63.0	56.34	10	14	16	47	245.1	237.68	20	25	25
12	68.0	61.34	10	14	16	48	250.2	242.73	20	25	25
13	73.0	66.32	10	14	16	49	255.2	247.78	20	25	25
14	78.0	71.34	10	14	16	50	260.3	252.82	20	25	25
15	83.0	76.36	10	14	16	51	265.3	257.87	20	25	25
16	88.0	81.37	12	16	16	52	270.4	262.92	20	25	25
17	93.0	86.38	12	16	16	53	275.4	267.97	20	25	25
18	98.3	91.42	12	16	16	54	280.5	273.03	20	25	25
19	103.3	96.45	12	16	16	55	285.5	278.08	20	25	25
20	108.4	101.49	12	16	16	56	290.6	283.13	25	25	25
21	113.4	106.52	12	16	20	57	296.0	288.18	25	25	25
22	118.0	111.55	12	16	20	58	300.7	293.23	25	25	25
23	123.5	116.58	12	16	20	59	305.7	298.27	25	25	25
24	128.3	121.62	12	16	20	60	310.8	303.32	25	25	25
25	134.0	126.66	12	16	20	62	321.4	313.43	25	25	30
26	139.0	131.70	16	16	20	64	331.5	323.53	25	25	30
27	144.0	136.75	16	16	20	65	336.5	328.58	25	25	30
28	148.7	141.78	16	16	20	66	341.6	333.63	25	25	30
29	153.8	146.83	16	16	20	68	351.7	343.74	25	25	30
30	158.8	151.87	16	16	20	70	361.8	353.84	25	25	30
31	163.9	156.92	16	20	20	72	371.9	363.95	25	25	30
32	168.9	161.95	16	20	20	5	387.1	379.09	25	25	30
33	174.5	167.00	16	20	20	6	392.1	384.16	25	25	30
34	179.0	172.05	16	20	20	78	402.2	394.25	25	25	30
35	184.1	177.10	16	20	20	80	412.3	404.35	25	30	30
36	189.1	182.15	20	20	25	85	437.6	429.62	30	30	30
37	194.2	187.20	20	20	25	90	462.8	454.88	30	30	30
38	199.2	192.24	20	20	25	95	488.5	480.14	30	30	30
39	204.2	197.29	20	20	25	100	513.4	505.39	30	30	30
40	209.3	202.34	20	20	25	110	563.9	555.92	30	30	30
41	214.8	207.39	20	20	25	115	584.1	576.13	30	30	30
42	219.9	212.44	20	20	25	120	614.4	606.45	30	30	30
43	224.9	217.49	20	20	25	125	639.7	631.51	30	30	30

5/8" x 3/8"
for roller chains in compliance with DIN 8187
ISO/R 606



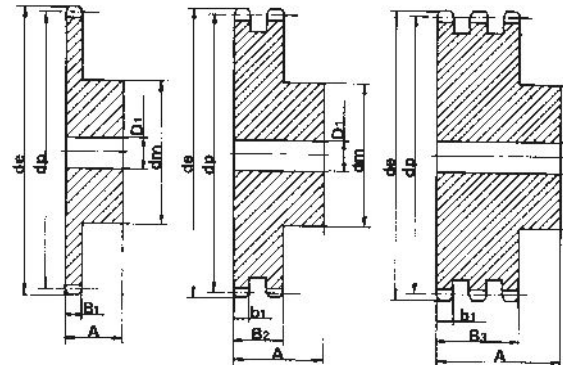
SPROCKET mm
TOOTH RADIUS r₃ 16
RADIUS WIDTH C 1.6
PLATE TOOTH WIDTH B₁ 9.1
PLATE TOOTH WIDTH b₁ 9
PLATE TOOTH WIDTH B₂ 25.5
PLATE TOOTH WIDTH B₃ 42.1
CHAIN mm
PITCH 15.875
INNER WIDTH 9.65
ROLLER - Ø 10.16

SPROCKETS

Z	d _e	d _p	SINGLE			DOUBLE			TRIPLE		
			d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
8	57.6	49.78	31	12	30	31	12	45	31	16	65
9	62.0	55.70	37	12	30	37	12	45	37	16	65
10	69.0	61.64	42	12	30	42	12	45	42	16	65
11	75.0	67.61	46	14	35	47	16	50	47	20	70
12	81.5	73.61	52	14	35	53	16	50	53	20	70
13	87.5	79.59	58	14	35	59	16	50	59	20	70
14	93.6	85.61	64	14	35	65	16	50	65	20	70
15	99.8	91.63	70	14	35	71	16	50	71	20	70
16	105.5	97.65	75	16	35	77	20	50	77	20	70
17	111.5	103.67	80	16	35	83	20	50	83	20	70
18	118.0	109.71	80	16	35	89	20	50	89	20	70
19	124.2	115.75	80	16	35	95	20	50	95	20	70
20	129.7	121.78	80	16	35	100	20	50	100	20	70
21	136.0	127.82	90	20	40	100	20	50	100	20	70
22	141.8	133.86	90	20	40	100	20	50	100	20	70
23	149.0	139.9	90	20	40	110	20	50	110	20	70
24	153.9	145.94	90	20	40	110	20	50	110	20	70
25	160.0	152.00	90	20	40	120	20	50	120	20	70
26	165.9	158.04	95	20	40	120	20	50	120	20	70
27	172.3	164.09	95	20	40	120	20	50	120	20	70
28	178.0	170.13	95	20	40	120	20	50	120	20	70
29	184.1	176.19	95	20	40	120	20	50	120	20	70
30	190.5	182.25	95	20	40	120	20	50	120	20	70
31	196.3	188.31	100	20	40	130	20	50	130	25	70
32	203.3	194.35	100	20	40	130	20	50	130	25	70
33	209.3	200.40	100	20	40	130	20	50	130	25	70
34	214.6	206.46	100	20	40	130	20	50	130	25	70
35	221.0	212.52	100	20	40	130	20	50	130	25	70
36	226.8	218.58	100	20	40	130	25	50	130	25	70
37	232.9	224.64	100	20	40	130	25	50	130	25	70
38	239.0	230.69	100	20	40	130	25	50	130	25	70
39	245.1	236.75	100	20	40	130	25	50	130	25	70
40	251.3	242.81	100	20	40	130	25	50	130	25	70

3/4" x 7/16"

for roller chains in compliance with DIN 8187 ISO/R 606



SPROCKET	mm
TOOTH RADIUS r ₃	19
RADIUS WIDTH C	2
SPROCKET TOOTH WIDTH B ₁	11.1
SPROCKET TOOTH WIDTH b ₁	10.8
SPROCKET TOOTH WIDTH B ₂	30.3
SPROCKET TOOTH WIDTH B ₃	49.8
CHAIN	mm
PITCH	19.05
INNER WIDTH	11.68
ROLLER - Ø	12.07

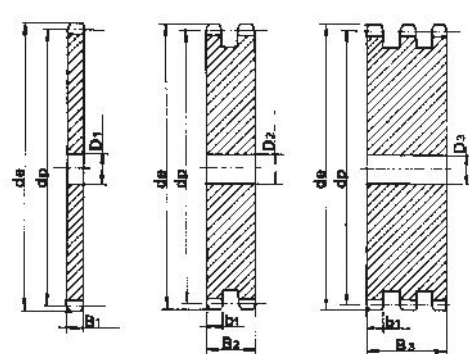
MATERIALE: C 45 UNI 7845

PLATEWHEELS

Z	d _e	d _p	S			D			T		
			D ₁	D ₂	D ₃	D ₁	D ₂	D ₃	D ₁	D ₂	D ₃
8	57.6	49.78	12	12	16	44	276.5	267.04	25	25	25
9	62.0	55.70	12	12	16	45	282.5	273.10	25	25	25
10	69.0	61.64	12	12	16	46	287.9	279.16	25	25	25
11	75.0	67.61	14	16	20	47	294.0	285.21	25	25	25
12	81.5	73.61	14	16	20	48	300.1	291.27	25	25	25
13	87.5	79.59	14	16	20	49	306.2	297.33	25	25	25
14	93.6	85.61	14	16	20	50	312.3	303.39	25	25	25
15	99.8	91.63	14	16	20	51	318.4	309.45	25	25	25
16	105.5	97.65	14	20	20	52	324.5	315.50	25	25	25
17	111.5	103.67	14	20	20	53	330.5	321.56	25	25	25
18	118.0	109.71	14	20	20	54	336.6	327.64	25	25	25
19	124.2	115.75	14	20	20	55	342.7	333.70	25	25	25
20	129.7	121.78	14	20	20	56	348.7	339.75	25	25	30
21	136.0	127.82	16	20	20	57	355.4	345.81	25	25	30
22	141.8	133.86	16	20	20	58	361.5	351.87	25	25	30
23	149.0	139.90	16	20	20	59	367.5	357.93	25	25	30
24	153.9	145.94	16	20	20	60	373.0	363.99	25	25	30
25	160.0	152.00	16	20	20	62	385.1	376.12	25	30	30
26	165.9	158.04	16	20	20	64	397.2	388.24	25	30	30
27	172.3	164.09	16	20	20	65	403.2	394.29	25	30	30
28	178.0	170.13	16	20	20	66	409.3	400.35	30	30	30
29	184.1	176.19	16	20	20	68	421.4	412.49	30	30	30
30	190.5	182.25	16	20	20	70	433.6	424.60	30	30	30
31	196.3	188.31	20	20	25	72	447.0	436.74	30	30	30
32	203.3	194.35	20	20	25	75	463.9	454.91	30	30	30
33	209.3	200.40	20	20	25	76	469.9	460.99	30	30	30
34	214.6	206.46	20	20	25	78	482.1	473.10	30	30	30
35	221.0	212.52	20	20	25	80	494.2	485.22	30	30	30
36	226.8	218.58	20	25	25	85	524.5	515.55	30	30	30
37	232.9	224.64	20	25	25	90	554.8	545.86	30	30	30
38	239.0	230.69	20	25	25	95	585.1	576.17	30	30	30
39	245.1	236.75	20	25	25	100	615.4	606.47	30	30	30
40	251.3	242.81	20	25	25	110	676.1	667.11	30	30	30
41	257.3	248.87	25	25	25	114	700.6	691.36	30	30	30
42	264.5	254.93	25	25	25	120	736.7	727.74	30	30	30
43	270.5	260.98	25	25	25	125	767.0	758.05	30	30	30

3/4" x 1/16"

for roller chains in compliance with DIN 8187 ISO/R 606

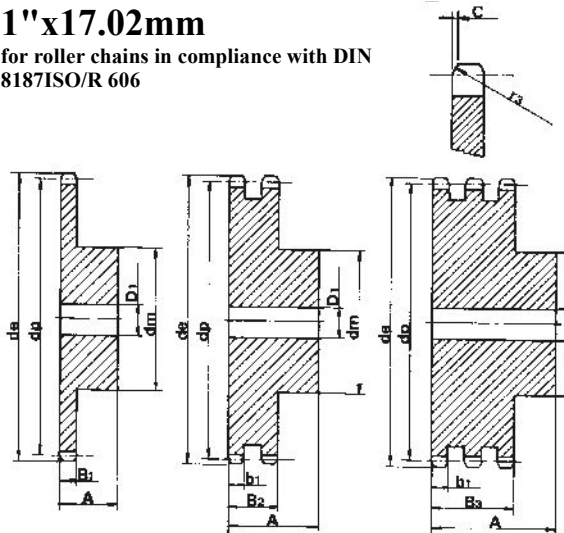


PLATEWHEEL	mm
TOOTH RADIUS r ₃	19
RADIUS WIDTH C	2
PLATE TOOTH WIDTH B ₁	11.1
PLATE TOOTH WIDTH b ₁	10.8
PLATE TOOTH WIDTH B ₂	30.3
PLATE TOOTH WIDTH B ₃	49.8
CHAIN	mm
PITCH	19.05
INNER WIDTH	11.68
ROLLER - Ø	12.07

SPROCKETS

Z	d _e	d _p	SINGLE			DOUBLE			TRIPLE		
			d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
8	77.0	66.37	42	16	35	42	16	65	42	20	95
9	85.0	74.27	50	16	35	50	16	65	50	20	95
10	93.0	82.19	55	16	35	56	16	65	56	20	95
11	99.5	90.14	61	16	40	64	20	70	64	25	100
12	109.0	98.14	69	16	40	72	20	70	72	25	100
13	117.0	106.12	78	16	40	80	20	70	80	25	100
14	125.0	114.15	84	16	40	88	20	70	88	25	100
15	133.0	122.17	92	16	40	96	20	70	96	25	100
16	141.0	130.20	100	20	45	104	20	70	104	30	100
17	149.0	138.22	100	20	45	112	20	70	112	30	100
18	157.0	146.28	100	20	45	120	20	70	120	30	100
19	165.2	154.33	100	20	45	128	20	70	128	30	100
20	173.2	162.38	100	20	45	130	20	70	130	30	100
21	181.2	170.43	110	20	50	130	25	70	*130	30	100
22	189.3	178.48	110	20	50	*130	25	70	*130	30	100
23	197.5	186.53	110	20	50	*130	25	70	*130	30	100
24	205.5	194.59	110	20	50	*130	25	70	*130	30	100
25	213.5	202.66	110	20	50	*130	25	70	*130	30	100
26	221.6	210.72	120	20	50	*130	25	70	*130	30	100
27	229.6	218.79	120	20	50	*130	25	70	*130	30	100
28	237.7	226.85	120	20	50	*130	25	70	*130	30	100
29	245.8	234.92	120	20	50	*130	25	70	*130	30	100
30	254.0	243.00	120	20	50	*130	25	70	*130	30	100
31	262.0	251.08	*120	25	50	*140	25	70	*140	30	100
32	270.0	259.13	*120	25	50	*140	25	70	*140	30	100
33	278.5	267.21	*120	25	50	*140	25	70	*140	30	100
34	287.0	275.28	*120	25	50	*140	25	70	*140	30	100
35	296.2	283.36	*120	25	50	*140	25	70	*140	30	100
36	304.6	291.44	*120	25	50	*140	25	70	*140	30	100
37	312.6	299.51	*120	25	50	*140	25	70	*140	30	100
38	320.7	307.59	*120	25	50	*140	25	70	*140	30	100
39	328.8	315.67	*120	25	50	*140	25	70	*140	30	100
40	336.9	323.75	*120	25	50	*140	25	70	*140	30	100

1"x17.02mm
for roller chains in compliance with DIN
8187ISO/R 606



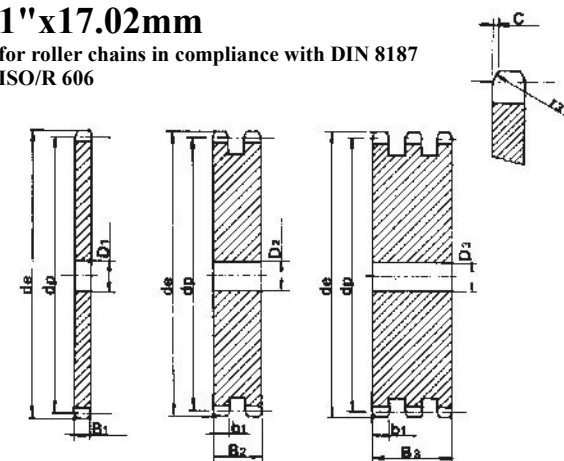
SPROCKET
TOOTH RADIUS r₃ mm
RADIUS WIDTH C 26
SPROCKET TOOTH WIDTH B₁ 2.5
SPROCKET TOOTH WIDTH b₁ 16.2
SPROCKET TOOTH WIDTH B₂ 15.8
SPROCKET TOOTH WIDTH B₃ 47.7
CHAIN 79.6
PITCH mm
INNER WIDTH 25.4
ROLLER - Ø 17.02
15.88

MATERIAL: C 45 UNI 7845
*MATERIAL: Fe - WITH WELDED HUB

PLATE WITH EEL S

Z	d _e	d _p	S			Z	d _e	d _p	S		
			D ₁	D ₂	D ₃				D ₁	D ₂	D ₃
8	77.0	66.37	14	16	20	44	369.1	356.06	25	25	30
9	85.0	74.27	14	16	20	45	377.1	364.13	25	25	30
10	93.0	82.19	15	16	20	46	385.2	372.21	25	30	30
11	99.5	90.14	15	20	25	47	393.2	380.29	25		
12	109.0	98.14	15	20	25	48	401.3	388.36	25	30	30
13	117.0	106.12	15	20	25	49	409.3	396.44	25		
14	125.0	114.15	15	20	25	50	417.4	404.52	25	30	30
15	133.0	122.17	15	20	25	51	425.5	412.60	30	30	40
16	141.0	130.20	19	20	30	52	433.6	420.67	30	30	40
17	149.0	138.22	19	20	30	53	441.7	428.75	30		
18	157.0	146.28	19	20	30	54	448.3	436.85	30		
19	165.2	154.33	19	20	30	55	457.9	444.93	30	30	40
20	173.0	162.38	19	20	30	56	466.0	453.01	30	30	
21	181.2	170.43	20	25	30	57	474.0	461.07	30	30	40
22	189.3	178.48	20	25	30	58	482.1	469.16	30		
23	197.5	186.53	20	25	30	59	490.2	477.24	30		
24	205.5	194.59	20	25	30	60	498.3	485.32	30	30	40
25	213.5	202.66	20	25	30	62	514.5	501.50	30	30	
26	221.6	210.72	20	25	30	64	530.7	517.65	30		
27	229.6	218.79	20	25	30	65	538.8	525.73	30	30	40
28	237.7	226.85	20	25	30	66	546.8	533.80	30		
29	245.8	234.92	20	25	30	68	562.9	549.98	30	30	40
30	254.0	243.00	20	25	30	70	579.2	566.14	30	30	40
31	262.0	251.08	25	25	30	72	595.4	582.32	30	30	40
32	270.0	259.13	25	25	30	75	619.7	606.55	30	30	40
33	278.5	267.21	25	25	30	76	627.0	614.65	30	30	40
34	287.0	275.28	25	25	30	78	643.3	630.80	30		
35	296.2	283.36	25	25	30	80	660.0	646.96	30	30	40
36	304.6	291.44	25	25	30	85	699.9	687.40	30	30	40
37	312.6	299.51	25	25	30	90	740.3	727.81	30	30	40
38	320.7	307.59	25	25	30	95	781.1	768.22	30	30	40
39	328.8	315.67	25	25	30	100	821.1	808.63	30	30	40
40	336.9	323.75	25	25	30	110	902.0	889.48	30	30	40
41	345.0	331.82	25			114	934.3	921.81	30	40	40
42	353.0	339.90	25	25	30	120	982.8	970.33	30	40	40
43	361.1	347.98	25	25		125	1023.2	1010.73	30	40	40

1"x17.02mm
for roller chains in compliance with DIN 8187
ISO/R 606



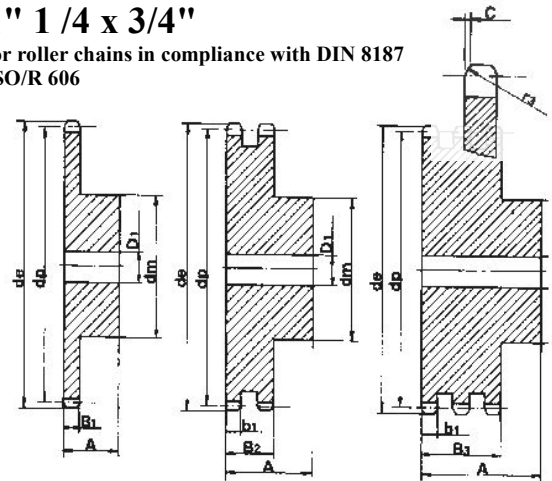
SPROCKET
TOOTH RADIUS r₃ mm
RADIUS WIDTH C 26
PLATE TOOTH WIDTH B₁ 2.5
PLATE TOOTH WIDTH b₁ 16.2
PLATE TOOTH WIDTH B₂ 15.8
PLATE TOOTH WIDTH B₃ 47.7
CHAIN 79.6
PITCH mm
INNER WIDTH 25.4
ROLLER - Ø 17.02
15.88

SPROCKETS

Z	d _e	d _p	SINGLE			DOUBLE			TRIPLE		
			d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
8	98.1	82.96	53	20	40	53	20	75	53	20	110
9	108.0	92.84	63	20	40	63	20	75	63	20	110
10	117.9	102.74	70	20	40	70	20	75	70	20	110
11	127.8	112.68	77	20	45	80	20	80	80	20	115
12	137.8	122.68	88	20	45	90	20	80	90	20	115
13	147.8	132.65	98	20	45	100	20	80	100	20	115
14	157.8	142.68	108	20	45	110	20	80	110	20	115
15	167.9	152.72	118	20	45	120	20	80	120	20	115
16	177.9	162.75	120	25	50	120	25	80	120	25	115
17	187.9	172.78	120	25	50	120	25	80	120	25	115
18	198.0	182.85	120	25	50	*120	25	80	*120	25	115
19	208.1	192.91	120	25	50	*120	25	80	*120	25	115
20	218.1	202.98	120	25	50	*120	25	80	*120	25	115
21	228.2	213.04	140	25	55	*140	25	80	*140	25	115
22	238.3	223.11	140	25	55	*140	25	80	*140	25	115
23	248.3	233.17	140	25	55	*140	25	80	*140	25	115
24	258.4	243.23	140	25	55	*140	25	80	*140	25	115
25	268.5	253.33	140	25	55	*140	25	80	*140	25	115
26	278.6	263.40	*150	25	55	*150	25	80	*150	25	115
27	288.6	273.49	*150	25	55	*150	25	80	*150	25	115
28	298.7	283.56	*150	25	55	*150	25	80	*150	25	115
29	308.8	293.65	*150	25	55	*150	25	80	*150	25	115
30	318.9	303.75	*150	25	55	*150	25	80	*150	25	115
31	329.0	313.85	*160	25	55	*150	25	80	*150	30	115
32	339.1	323.91	*160	25	55	*150	25	80	*150	30	115
33	349.2	334.01	*160	25	55	*150	25	80	*150	30	115
34	359.3	344.10	*160	25	55	*150	25	80	*150	30	115
35	369.4	354.20	*160	25	55	*150	25	80	*150	30	115
36	379.5	364.30	*160	25	55	*150	30	80	*150	30	115
37	389.5	374.39	*160	25	55	*150	30	80	*150	30	115
38	399.6	384.49	*160	25	55	*150	30	80	*150	30	115
39	409.7	394.59	*160	25	55	*150	30	80	*150	30	115
40	419.8	404.69	*160	25	55	*150	30	80	*150	30	115

1" 1/4 x 3/4"

for roller chains in compliance with DIN 8187
ISO/R 606



SPROCKET	mm
TOOTH RADIUS r ₃	32
RADIUS WIDTH C	3.5
SPROCKET TOOTH WIDTH B ₁	18.5
SPROCKET TOOTH WIDTH b ₁	18.2
SPROCKET TOOTH WIDTH B ₂	54.6
SPROCKET TOOTH WIDTH B ₃	91

CATENA	mm
PITCH	31.75
INNER WIDTH	19.56
ROLLER - Ø	19.05

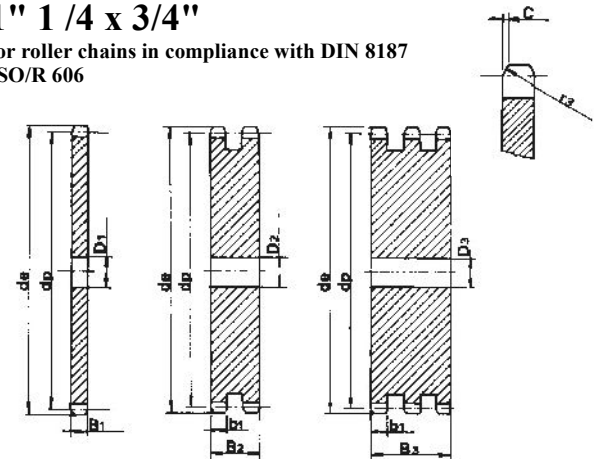
MATERIAL: C 45 UNI 7845
*MATERIAL Fe - WITH WELDED HUB

PLATEWHEEL H E E L S

Z	d _e	d _p	S	D ₁	T	D ₂	T	D ₃	Z	d _e	d _p	S	D ₁	T	D ₂	T	D ₃
8	98.1	82.96	16	20	20				43	450.1	434.97	30					
9	108.0	92.84	16	20	20				44	460.2	445.07	30					
10	117.9	102.74	16	20	20				45	470.3	455.17	30		30	40		
11	127.8	112.68	16	20	20				46	480.4	465.26	30		30	40		
12	137.8	122.68	20	20	20				47	490.5	475.36	30					
13	147.8	132.65	20	20	20				48	500.6	485.46	30		30	40		
14	157.8	142.68	20	20	20				49	510.7	495.55	30					
15	167.9	152.72	20	20	20				50	520.8	505.65	30		30	40		
16	177.9	162.75	25	25	25				51	530.9	515.75	30					
17	187.9	172.78	25	25	25				52	541	525.84	30		30	40		
18	198.0	182.85	25	25	25				53	551.1	535.94	30					
19	208.1	192.91	25	25	25				54	561.2	546.07	30					
20	218.1	202.98	25	25	25				55	571.3	556.16	30		30	40		
21	228.2	213.04	25	25	25				56	581.4	566.26	30					
22	238.3	223.11	25	25	25				57	591.5	576.36	30		30	40		
23	248.3	233.17	25	25	25				58	601.6	586.45	30					
24	258.4	243.23	25	25	25				59	611.7	596.55	30					
25	268.5	253.33	25	25	25				60	621.8	606.65	30		30	40		
26	278.6	263.40	25	25	25				62	642	626.87	30					
27	288.6	273.49	25	25	25				64	662.2	647.06	30					
28	298.7	283.56	25	25	25				65	672.3	657.16	30		30	40		
29	308.8	293.65	25	25	25				66	682.4	667.26	30					
30	318.9	303.75	25	25	25				68	702.6	687.48	30					
31	329.0	313.85	25	25	30				70	722.8	707.67	30		30	40		
32	339.1	323.91	25	25	30				72	743.1	727.90	30					
33	349.2	334.01	25	25	30				75	773.3	758.19	30					
34	359.3	344.10	25	25	30				76	783.5	768.32	30		30	40		
35	369.4	354.20	25	25	30				80	823.9	808.72	30		30	40		
36	379.5	364.30	25	30	30				85	874.4	859.25	30					
37	389.5	374.39	25	30	30				90	924.9	909.76	30					
38	399.6	384.49	25	30	30				95	975.4	960.28	30		30	40		
39	409.7	394.59	25	30	30				100	1026	1010.79	30					
40	419.8	404.68	25	30	30				114	1167.4	1152.26	30		40	40		
41	429.9	414.78	30														
42	440.0	424.88	30	30	40												

1" 1/4 x 3/4"

for roller chains in compliance with DIN 8187
ISO/R 606



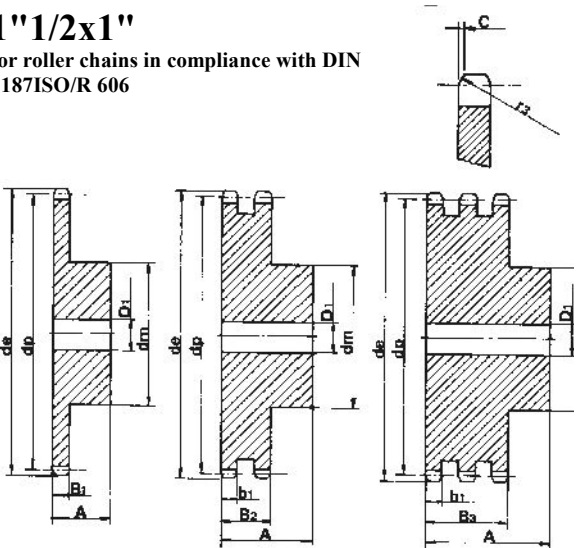
PLATEWHEEL	mm
TOOTH RADIUS r ₃	32
RADIUS WIDTH C	3.5
PLATE TOOTH WIDTH B ₁	18.5
PLATE TOOTH WIDTH b ₁	18.2
PLATE TOOTH WIDTH B ₂	54.6
PLATE TOOTH WIDTH B ₃	91

CHAIN	mm
PITCH	31.75
INNER WIDTH	19.56
ROLLER - Ø	19.05

SPROCKETS

			SINGLE			DOUBLE			TRIPLE		
Z	d _e	d _p	d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
8	115.0	99.55	58	20	45	58	25	95	58	25	140
9	126.4	111.40	70	20	45	70	25	95	70	25	140
10	138.0	123.29	80	20	45	80	25	95	80	25	140
11	150.0	135.21	90	25	50	90	25	100	90	25	150
12	162.0	147.22	102	25	50	102	25	100	102	25	150
13	174.2	159.18	114	25	50	114	25	100	114	25	150
14	186.2	171.22	128	25	50	128	25	100	128	25	150
15	198.2	183.26	140	25	50	140	25	100	140	25	150
16	210.3	195.30	*140	25	55	*140	25	100	*140	25	150
17	222.3	207.34	*140	25	55	*150	25	100	*150	25	150
18	234.3	219.42	*140	25	55	*160	25	100	*160	25	150
19	246.5	231.49	*140	25	55	*160	25	100	*160	25	150
20	258.6	243.57	*140	25	55	*160	25	100	*160	25	150
21	270.6	255.65	*150	25	60	*160	25	100	*160	30	150
22	282.7	267.73	*150	25	60	*160	25	100	*160	30	150
23	294.8	279.80	*150	25	60	*160	25	100	*160	30	150
24	306.8	291.88	*150	25	60	*160	25	100	*160	30	150
25	319.0	304.00	*150	25	60	*160	25	100	*160	30	150
26	331.0	316.08	*160	30	60	*160	30	100	*160	30	150
27	343.2	328.19	*160	30	60	*160	30	100	*160	30	150
28	355.2	340.27	*160	30	60	*160	30	100	*160	30	150
29	367.3	352.38	*160	30	60	*160	30	100	*160	30	150
30	379.5	364.50	*160	30	60	*160	30	100	*160	40	150
31	391.6	376.62	*160	30	60	*170	30	100			
32	403.7	388.69	*160	30	60	*170	30	100	*170	40	150
33	415.8	400.81	*160	30	60	*170	30	100	*170	40	150
34	427.8	412.93	*160	30	60	*170	30	100	*170	40	150
35	440.0	425.04	*160	30	60	*170	30	100	*170	40	150
36	452.0	437.16	*160	30	60	*170	30	100	*170	40	150
37	464.2	449.27	*160	30	60	*170	30	100			
38	476.2	461.39	*160	30	60	*170	30	100	*170	40	150
39	488.5	473.50	*160	30	60	*170	30	100			
40	500.6	485.62	*160	30	60	*170	30	100	*170	40	150

1"1/2x1"
for roller chains in compliance with DIN 8187ISO/R 606



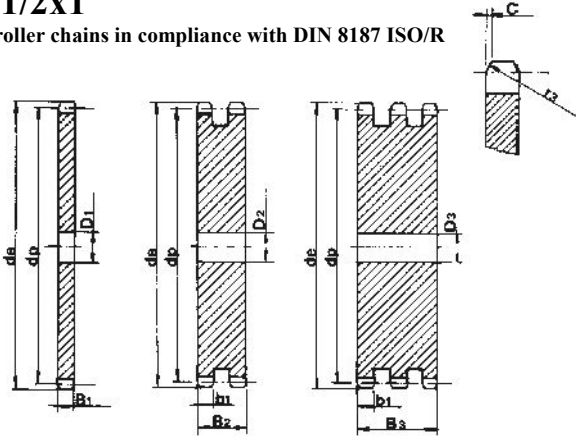
SPROCKET	mm
TOOTH RADIUS r ₃	38
RADIUS WIDTH C	4
SPROCKET WIDTH B ₁	24.1
SPROCKET TOOTH WIDTH b ₁	23.6
SPROCKET TOOTH WIDTH B ₂	72
SPROCKET TOOTH WIDTH B ₃	120.3
CHAIN	mm
PITCH	38,1
INNER WIDTH	25.4
ROLLER - Ø	25.4

MATERIAL: C 45 UNI 7845
*MATERIAL: FE - WITH WELDED HUB

PLATEWHEELS

Z	d _e	d _p	S	D ₁	T	D ₃	Z	d _e	d _p	S	D ₁	T	D ₃
8	115.0	99.55	20	25	25		43	536.8	521.97	30			
9	126.4	111.40	20	25	25		44	549.0	534.08	30			
10	138.0	123.29	20	25	25		45	561.2	546.20	30	40	40	
11	150.0	135.21	20	25	25		46	573.3	558.32	30	40	40	
12	162.0	147.22	20	25	25		47	585.4	570.43	30			
13	174.2	159.18	20	25	25		48	597.4	582.55	30	40	40	
14	186.2	171.22	20	25	25		49	609.5	594.66	30			
15	198.2	183.26	20	25	25		50	621.7	606.78	30	40	40	
16	210.3	195.30	25	25	25		51	633.8	618.89	30			
17	222.3	207.34	25	25	25		52	646.0	631.01	30			
18	234.3	219.42	25	25	25		53	658	643.13	30			
19	246.5	231.49	25	25	25		54	670.2	655.28	30			
20	258.6	243.57	25	25	25		55	682.3	667.40	30	40	40	
21	270.6	255.65	25	25	30		56	694.4	679.51	30			
22	282.7	267.73	25	25	30		57	706.5	691.63	30	40	40	
23	294.8	279.80	25	25	30		58	718.6	703.74	30			
24	306.8	291.88	25	25	30		59	730.7	715.86	30			
25	319.0	304.00	25	25	30		60	742.8	727.97	30	40	40	
26	331.0	316.08	30	30	30		62	767.2	752.24	40			
27	343.2	328.19	30	30	30		64	791.3	776.48	40			
28	355.2	340.27	30	30	30		65	803.4	788.59	40	40	40	
29	367.3	352.38	30	30	30		66	815.6	800.71	40			
30	379.5	364.50	30	30	40		68	839.8	824.98	40			
31	391.6	376.62	30	30			70	864.2	849.21	40			
32	403.7	388.69	30	30	40		72	888.4	873.48	40			
33	415.8	400.81	30	30	40		75	924.8	909.83	40			
34	427.8	412.93	30	30	40		76	936.9	921.98	40	40	40	
35	440.0	425.04	30	30	40		80	985.4	970.44	40			
36	452.0	437.16	30	30	40		85	1046.0	1031.10	40			
37	464.2	449.27	30	30			95	1167.3	1152.33	40			
38	476.2	461.39	30	30	40								
39	488.5	473.50	30	30									
40	500.6	485.62	30	30	40								
41	512.6	497.74	30										
42	524.7	509.85	30	40	40								

1"1/2x1"
for roller chains in compliance with DIN 8187 ISO/R 606

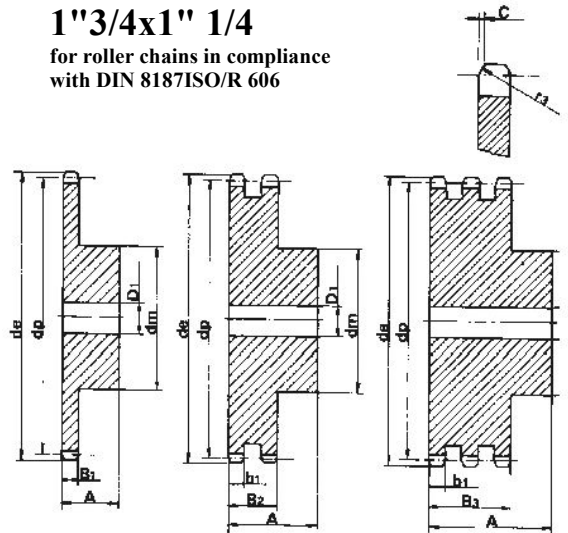


PLATEWHEEL	mm
TOOTH RADIUS r ₃	38
RADIUS WIDTH C	4
PLATE TOOTH WIDTH B ₁	24.1
PLATE TOOTH WIDTH b ₁	23.6
PLATE TOOTH WIDTH B ₂	72
PLATE TOOTH WIDTH B ₃	120.3
CHAIN	mm
PITCH	38.1
INNER WIDTH	25.4
ROLLER - Ø	25.4

SPROCKETS

Z	d _e	d _p	SINGLE			DOUBLE			TRIPLE		
			d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
8	132.0	116.15	74	25	70	74	25	120	74	30	180
9	148.4	129.96	88	25	70	88	25	120	88	30	180
10	162.3	143.85	100	25	70	100	25	120	100	30	180
11	176.3	157.77	112	25	70	112	25	120	112	30	180
12	189.5	171.74	125	25	70	125	25	120	125	30	180
13	204.2	185.75	*130	25	70	*130	25	120	*130	30	180
14	218.2	199.76	*130	25	70	*130	25	120	*130	30	180
15	232.3	213.79	*145	25	70	*145	25	120	*145	30	180
16	246.3	227.84	*160	30	75	*160	30	120	*160	30	180
17	260.0	241.91	*160	30	75	*160	30	120	*160	30	180
18	274.0	255.98	*160	30	75	*160	30	120	*160	30	180
19	289.0	270.06	*160	30	75	*180	30	120	*180	30	180
20	303.0	284.15	*160	30	75	*180	30	120	*180	30	180
21	317.0	298.24	*170	30	75	*180	30	120	*180	30	180
22	331.0	312.34	*170	30	75	*180	30	120	*180	30	180
23	345.0	326.44	*170	30	75	*180	30	120	*180	30	180
24	359.0	340.55	*170	30	75	*180	30	120	*180	30	180
25	373.0	354.66	*170	30	75	*180	30	120	*180	40	180
26	387.0	368.77	*170	30	75	*180	30	120	*180	40	180
27	401.4	382.88	*170	30	75	*180	30	120	*180	40	180
28	416.0	397.00	*170	30	75	*180	30	120	*180	40	180
29	430.0	411.12	*170	30	75	*180	30	120	*180	40	180
30	444.0	425.24	*170	30	75	*180	30	120	*180	40	180
31	458.0	439.37	*180	30	75						
32	472.0	453.49	*180	30	75						
33	486.0	467.62	*180	30	75						
34	500.0	481.75	*180	30	75						
35	514.0	495.88	*180	30	75	*200	30	120	*200	40	180
36	529.0	510.01	*180	30	75						
37	543.0	524.14	*180	30	75						
38	557.0	538.27	*180	30	75	*200	30	120	*200	40	180
39	571.0	552.40	*180	30	75						
40	585.0	566.54	*180	30	75	*200	30	120	*200	40	180

1"3/4x1" 1/4
for roller chains in compliance
with DIN 8187/ISO/R 606



SPROCKET mm
TOOTH RADIUS r₃ 44
RADIUS WIDTH C 5
SPROCKET TOOTH WIDTH B₁ 29.4
SPROCKET TOOTH WIDTH b₁ 28.8
SPROCKET TOOTH WIDTH B₂ 88.4
SPROCKET TOOTH WIDTH B₃ 148

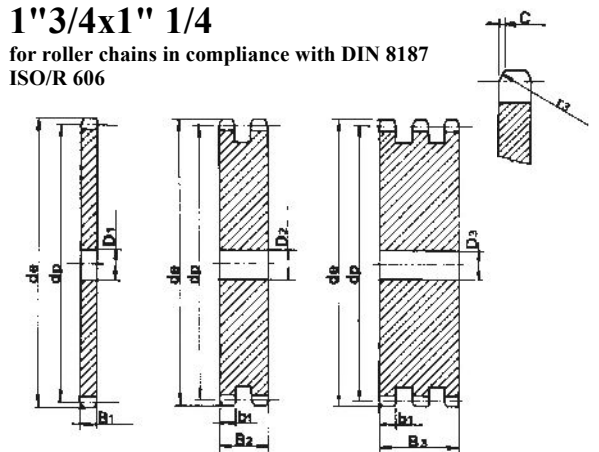
CHAIN mm
PITCH 44.45
INNER WIDTH 30.99
ROLLER - Ø 27.94

MATERIAL: C 45 UNI 7845
*MATERIAL: Fe - WITH WELDED HUB

PLATE WITH E E L S

Z	d _e	d _p	S	D	T	Z	d _e	d _p	S	D	T
			D ₁	D ₂	D ₃				D ₁	D ₂	D ₃
8	132.0	116.15	25	25	25	57	825.0	806.90	40	40	40
9	148.4	129.96	25	25	25	60	869.0	849.32	40	40	40
10	162.3	143.85	25	25	25	76	1095.0	1075.62	40	40	40
11	176.3	157.77	25	25	30						
12	189.5	171.74	25	25	30						
13	204.2	185.75	25	25	30						
14	218.2	199.76	25	25	30						
15	232.3	213.79	25	25	30						
16	246.3	227.84	30	30	30						
17	260.0	241.91	30	30	30						
18	274.0	255.98	30	30	30						
19	289.0	270.06	30	30	30						
20	303.0	284.15	30	30	30						
21	317.0	298.24	30	30	30						
22	331.0	312.34	30	30	30						
23	345.0	326.44	30	30	30						
24	359.0	340.55	30	30	30						
25	373.0	354.66	30	30	40						
26	387.0	368.77	30	30	40						
27	401.4	382.88	30	30	40						
28	416.0	397.00	30	30	40						
29	430.0	411.12	30	30							
30	444.0	425.24	30	30	40						
31	458.0	439.37	30								
32	472.0	453.49	30								
33	486.0	467.62	30								
34	500.0	481.75	30								
35	514.0	495.88	30	30	40						
36	529.0	510.01	30								
37	543.0	524.14	30								
38	557.0	538.27	30	30	40						
39	571.0	552.40	30								
40	585.0	566.54	30	30	40						
45	656.0	637.22	30	30	40						
50	726.0	707.91	30	30	40						

1"3/4x1" 1/4
for roller chains in compliance with DIN 8187
ISO/R 606



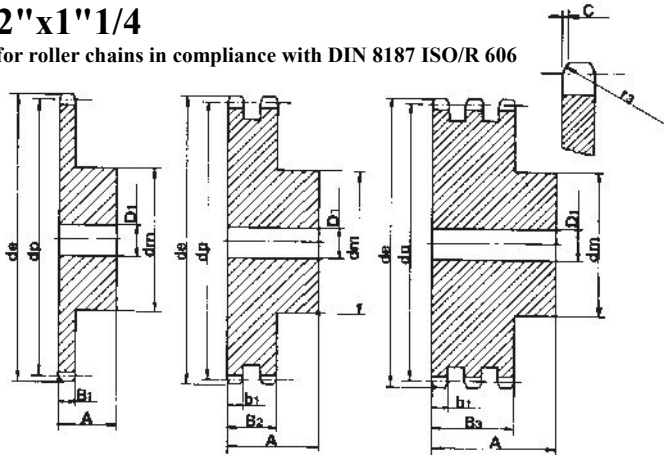
PLATEWHEEL mm
TOOTH RADIUS r₃ 44
RADIUS WIDTH C 5
PLATE TOOTH WIDTH B₁ 29.4
PLATE TOOTH WIDTH b₁ 28.3
PLATE TOOTH WIDTH B₂ 88.4
PLATE TOOTH WIDTH B₃ 148

CHAIN mm
PITCH 44.45
INNER WIDTH 30.99
ROLLER - Ø 27.94

SPROCKETS

Z	SINGLE						DOUBLE			TRIPLE			
	d _e	d _p	d _m	D ₁	A		d _m	D ₁	A	d _m	D ₁	A	
8	153.2	132.69	82	25	80		82	30	120		82	30	180
9	169.0	148.54	88	25	80		88	30	120		88	30	180
10	185.0	164.44	104	25	80		104	30	120		104	30	180
11	200.8	180.34	120	30	80		120	30	120		120	30	180
12	216.8	196.29	*133	30	80		*133	30	120		*133	30	180
13	232.8	212.29	*145	30	80		*145	30	120		*145	30	180
14	248.8	228.29	*160	30	80		*160	30	120		*160	30	180
15	264.8	244.30	*160	30	80		*160	30	120		*160	30	180
16	280.9	260.40	*160	30	90		*160	30	120		*160	30	180
17	296.9	276.40	*170	30	90		*180	30	120		*180	30	180
18	313.0	292.55	*170	30	90		*180	30	120		*180	30	180
19	329.1	308.66	*170	30	90		*200	30	120		*200	30	180
20	345.2	324.71	*180	30	90		*200	30	120		*200	30	180
21	361.3	340.82	*180	30	90		*200	30	120		*200	40	180
22	377.5	356.98	*180	30	90		*200	30	120		*200	40	180
23	393.6	373.08	*180	30	90		*200	30	120		*200	40	180
24	409.7	389.18	*180	30	90		*200	30	120		*200	40	180
25	425.8	405.33	*180	30	90		*200	30	120		*200	40	180
26	441.9	421.44	*180	30	90		*200	30	120		*200	40	180
27	458.1	437.59	*180	30	90		*200	30	120		*200	40	180
28	474.2	453.69	*180	30	90		*200	30	120		*200	40	180
29	490.4	469.90	*180	30	90								
30	506.5	486.00	*180	30	90		*200	30	120		*200	40	180
32	538.8	518.28	*180	30	90								
35	589.5	566.72	*180	30	90								
38	635.5	615.14	*180	30	90								
40	670.3	647.49	*180	30	90								

2"x1"1/4
for roller chains in compliance with DIN 8187 ISO/R 606



SPROCKET	mm
TOOTH RADIUS r ₃	51
RADIUS WIDTH C	5
SPROCKET TOOTH WIDTH B ₁	29.4
SPROCKET TOOTH WIDTH b ₁	28.8
SPROCKET TOOTH WIDTH B ₂	87.4
SPROCKET TOOTH WIDTH B ₃	146

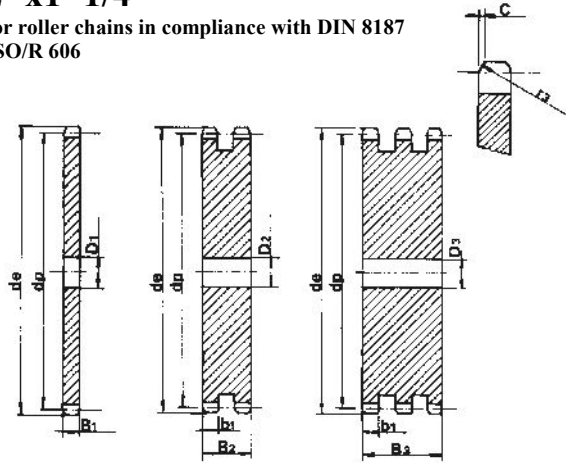
CHAIN	mm
PITCH	50.8
INNER WIDTH	30.99
ROLLER - Ø	29.21

MATERIAL: C 45 UNI 7845
MATERIAL: Fe - WITH WELDED HUB

PLATEWHEEL

Z	d _e	d _p	S D ₁ D ₂ T D ₃	Z	d _e	d _p	S D ₁ D ₂ T D ₃
8	153.2	132.69	25 25 25	76	1252.0	1229.28	40 40 40
9	169.0	148.54	25 25 25				
10	185.0	164.44	25 25 25				
11	200.8	180.34	30 30 30				
12	216.8	196.29	30 30 30				
13	232.8	212.29	30 30 30				
14	248.8	228.29	30 30 30				
15	264.8	244.30	30 30 30				
16	280.9	260.40	30 30 30				
17	296.9	276.40	30 30 30				
18	313.0	292.55	30 30 30				
19	329.1	308.66	30 30 30				
20	345.2	324.71	30 30 30				
21	361.3	340.82	30 30 40				
22	377.5	356.98	30 30 40				
23	393.6	373.08	30 30 40				
24	409.7	389.18	30 30 40				
25	425.8	405.33	30 30 40				
26	441.9	421.44	30 30 40				
27	458.1	437.59	30 30 40				
28	474.2	453.69	30 30 40				
29	490.4	469.90	30				
30	506.5	486.00	30 30 40				
32	538.8	518.26	30				
35	589.5	566.72	30 30 40				
38	635.5	615.14	30 30 40				
40	670.3	647.49	40 40 40				
45	751.0	728.26	40 40 40				
50	831.8	809.04	40 40 40				
57	945.0	922.17	40 40 40				
60	993.4	970.63	40 40 40				

2"x1"1/4
for roller chains in compliance with DIN 8187 ISO/R 606



PLATEWHEEL	mm
TOOTH RADIUS r ₃	51
RADIUS WIDTH C	5
PLATE TOOTH WIDTH B ₁	29.4
PLATE TOOTH WIDTH b ₁	28.8
PLATE TOOTH WIDTH B ₂	87.4
PLATE TOOTH WIDTH B ₃	146
CHAIN	mm

PITCH	50.8
INNER WIDTH	30.99
ROLLER - Ø	29.21

SPROCKETS			SINGLE			DOUBLE		
Z	d _e	d _p	d _m	D ₁	A	d _m	D ₁	A
10	35,70	30,82	20	8	22			
11	38,69	33,80	22	8	25			
12	41,68	36,80	25	8	25			
13	44,68	39,80	28	10	25	28	10	25
14	47,68	42,80	31	10	25	31	10	25
15	50,69	45,81	34	10	25	34	10	25
16	53,70	48,82	37	10	28	37	12	30
17	56,72	51,83	38	10	28	40	12	30
18	59,73	54,85	38	10	28	43	12	30
19	62,75	57,87	46	10	28	46	12	30
20	65,77	60,89	46	10	28	49	12	30
21	68,79	63,91	46	10	28	52	12	30
22	71,81	66,93	52	12	28	55	12	30
23	74,83	69,95	52	12	28	58	12	30
24	77,85	72,97	52	12	28	61	12	30
25	80,88	76,00	58	12	28	64	12	30
26	83,90	79,02	58	12	28	67	12	30
27	86,93	82,04	58	12	28	70	12	30
28	89,95	85,07	60	12	28	73	12	30
30	96,00	91,12	60	12	28			

PLATEWHEELS			S	D	T
Z	d _e	d _p	D ₁	D ₂	D ₃
30	96,00	91,12			12
32	102,06	97,17	12		
36	114,17	109,29	12		
38	120,22	115,34	12	14	
40	126,28	121,40	12		
45	141,43	136,55	16	16	
48	150,52	145,64	16		
57	177,79	172,91	16	16	
76	235,37	230,49	20	20	

SPROCKETS			SINGLE			DOUBLE			TRIPLE		
Z	d _e	d _p	d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
10	47,66	41,10	26	10	25						
11	51,64	45,08	29	10	25						
12	55,63	49,07	35	10	28				35	14	50
13	59,63	53,07	35	10	28	38	12	35	38	14	50
14	63,63	57,07	35	10	28	42	12	35	42	14	50
15	67,64	61,08	46	10	28	46	12	35	46	14	50
16	71,66	65,10	48	10	28	50	14	35	50	16	50
17	75,68	69,12	48	10	28	54	14	35	54	16	50
18	79,70	73,14	58	12	28	58	14	35	58	16	50
19	83,72	77,16	60	12	28	62	14	35	62	16	50
20	87,74	81,18	60	12	28	66	14	35	66	16	50
21	91,77	85,21	65	12	28	70	16	40	70	20	55
22	95,80	89,24	65	12	28	70	16	40	70	20	55
23	99,83	93,27	65	12	28	70	16	40	70	20	55
24	103,86	97,30	70	14	28	75	16	40	75	20	55
25	107,89	101,33	70	14	28	80	16	40	80	20	55
26	111,92	105,36	70	14	28	85	20	40	85	20	55
27	115,96	109,40	70	16	30	85	20	40	85	20	55
28	119,99	113,43	70	16	30	90	20	40	90	20	55
30	128,06	121,50	80	16	30	100	20	40			
32	136,13	129,57	80	16	30						
35	148,24	141,68	90	16	30						
36	152,28	145,72	90	16	30						
38	160,35	153,79	90	16	35						
40	168,43	161,87	90	16	35						

PLATEWHEELS			S	D	T
Z	d _e	d _p	D ₁	D ₂	D ₃
30	128,06	121,50			20
32	136,13	129,57		16	
38	160,35	153,79		20	25
40	168,43	161,87		20	
42	176,50	169,94	20		
45	188,62	182,06	20	20	25
48	200,74	194,18	20		
57	237,10	230,54	20	25	25
76	313,88	307,32	25	25	25
95	390,67	384,11		25	

ASA

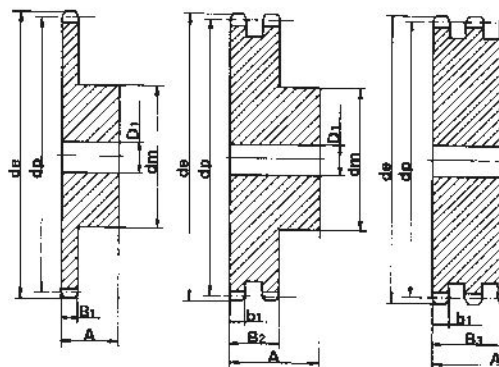
35

Pitch 3/8" x 3/16"

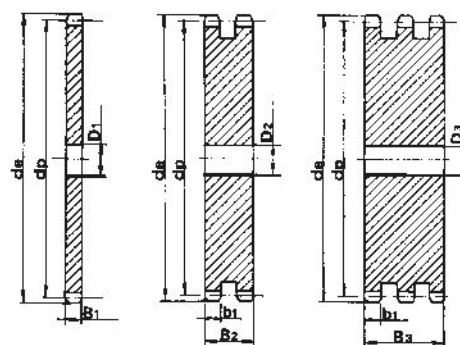
for roller chains in compliance with DIN 8188-ISO/R 606 - ANSI B 29.1

SPROCKET	mm
TOOTH RADIUS r ₃	10
RADIUS WIDTH C	1.2
SPROCKET TOOTH WIDTH B ₁	4.4
SPROCKET TOOTH WIDTH b ₁	4.3
SPROCKET TOOTH WIDTH B ₂	14.4

CHAIN	mm
PITCH	9.525
INNER WIDTH	4.77
ROLLER - Ø	5.08



MATERIAL: C 45 UNI 7845 SPROCKETS



ASA

40

Pitch 1/2" x 5/16"

for roller chains in compliance with DIN 8188-ISO/R 606 - ANSI B 29.1

CORONA	mm
TOOTH RADIUS r ₃	13.5
RADIUS WIDTH C	1.6
PLATE TOOTH WIDTH B ₁	7.4
PLATE TOOTH WIDTH b ₁	7.2
PLATE TOOTH WIDTH B ₂	21.6
PLATE TOOTH WIDTH B ₃	36

CATENA	mm
PITCH	12.7
INNER WIDTH	7.94
ROLLER - Ø	7.94

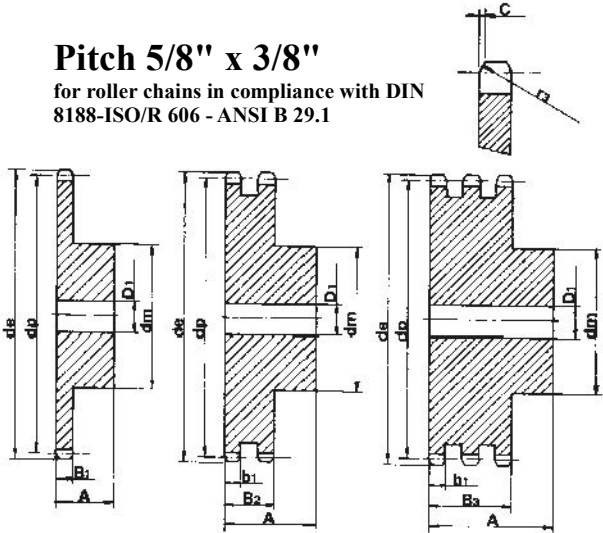
MATERIAL C 45 UNI 7845 SPROCKETS

SPROCKETS

ASA 50

Z	SINGLE					DOUBLE			TRIPLE		
	d _e	d _p	d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
8	47.0	41.48	25	10	25						
9	52.6	46.42	30	10	25						
10	57.5	51.37	35	10	25						
11	63.0	56.34	37	12	30						
12	68.0	61.34	42	12	30				44	16	55
13	73.0	66.32	47	12	30	49	14	40	49	16	55
14	78.0	71.34	52	12	30	54	14	40	54	16	55
15	83.0	76.36	57	12	30	59	14	40	59	16	55
16	88.0	81.3 7	60	12	30	64	16	45	64	16	60
17	93.0	86.39	60	12	30	69	16	45	69	16	60
18	98.3	91.42	70	14	30	74	16	45	74	16	60
19	103.3	96.45	70	14	30	79	16	45	79	16	60
20	108.4	101.49	75	14	30	84	16	45	84	16	60
21	113.4	106.52	75	16	30	85	16	45	85	20	60
22	118.0	111.55	80	16	30	90	16	45	90	20	60
23	123.4	116.58	80	16	30	95	16	45	95	20	60
24	128.3	121.62	80	16	30	100	16	45	100	20	60
25	134.0	126.66	80	16	30	105	16	45	105	20	60
26	139.0	131.70	85	20	35				110	20	60
27	144.0	136.75	85	20	35				110	20	60
28	148.7	141.78	90	20	35				115	20	60
29	153.8	146.83	90	20	35						
30	158.8	151.87	90	20	35						
31	163.9	156.92	95	20	35						
32	168.9	161.95	95	20	35						
33	174.5	167.00	95	20	35						
34	179.0	172.05	95	20	35						
35	184.1	177.10	95	20	35						
36	189.1	182.15	100	20	35						
37	194.2	1 87.20	100	20	35						
38	199.2	192.24	100	20	35						
39	204.2	197.29	100	20	35						
40	209.3	202.34	100	20	35						

Pitch 5/8" x 3/8"
for roller chains in compliance with DIN
8188-ISO/R 606 - ANSI B 29.1



- SPROCKET
- TOOTH RADIUS r₃
- RADIUS WIDTH C
- SPROCKET TOOTH WIDTH B₁
- SPROCKET TOOTH WIDTH b₁
- SPROCKET TOOTH WIDTH B₂
- SPROCKET TOOTH WIDTH B₃
- CHAIN
- PITCH
- INNER WIDTH
- ROLLER - Ø
- mm
- 17
- 2
- 9
- 8.8
- 26.9
- 45
- mm.
- 15.875
- 9.52
- 10.16

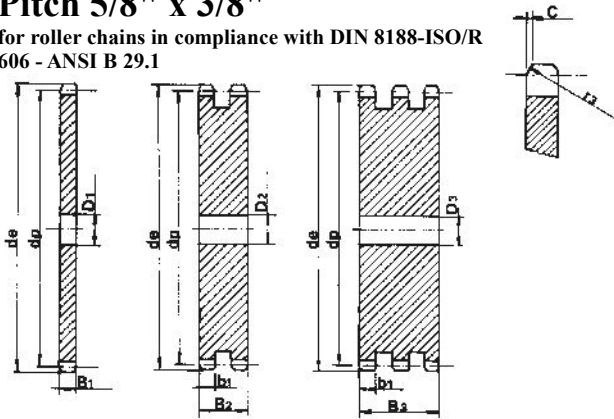
MATERIAL: C 45 UNI 7845

PLATEWHEELS

ASA 50

Z	S			D ₂	D ₃	Z	S			D ₂	D ₃
	d _e	d _p	D ₁				d _e	d _p	D ₁		
8	47.0	41.48	10			44	230.0	222.53	20		
9	52.6	46.42	10			45	235.0	227.5 8	20	20	25
10	57.5	51.37	10			46	240.1	232.63	20		
11	63.0	56.34	10			47	245.1	237.68	20		
12	68.0	61.34	10			48	250.2	242.73	20		
13	73.0	66.32	10			49	255.2	247.78	20		
14	78.0	71.34	10			50	260.3	252.82	20		
15	83.0	76.36	10			51	265.3	257.8 7	20		
16	88.0	81.37	12			52	270.4	262.92	20		
17	93.0	86.38	12			53	275.4	267.97	20		
18	98.3	91.42	12			54	280.5	273.03	20		
19	103.3	96.45	12			55	285.5	278.08	20		
20	108.4	101.49	12			56	290.6	283.13	25		
21	113.4	106.52	12			57	296.0	288.18	25	25	25
22	118.0	111.55	12			58	300.7	293.23	25		
23	123.5	116.58	12			59	305.7	298.2 7	25		
24	128.3	121.62	12			60	310.8	303.32	25		
25	134.0	126.66	12			62	321.4	313.43	25		
26	139.0	131.70	16			64	331.5	323.53	25		
27	144.0	136.75	16			65	336.5	328.5 8	25		
28	148.7	141.78	16			66	341.6	333.63	25		
29	153.8	146.83	16			68	351.7	343.74	25		
30	158.8	151.87	16	20	20	70	361.8	353.84	25		
31	163.9	156.92	16			72	371.9	363.95	25		
32	168.9	161.95	16			75	387.1	379.09	25		
33	174.5	167.00	16			76	392.1	3 84.16	25	25	30
34	179.0	172.05	16			78	402.2	394.25	25		
35	184.1	177.10	16			80	412.3	404.35	25		
36	189.1	182.15	20			85	437.6	429.62	30		
37	194.2	187.20	20			90	462.8	454.8 8	30		
38	199.2	192.24	20	20	25	25	95.0	480.14	30	30	
39	204.2	197.29	20			100	513.4	505.39	30		
40	209.3	202.34	20			110	563.9	555.92	30		
41	214.8	207.39	20			114	584.1	576.13	30		
42	219.9	212.44	20			120	614.4	606.45	30		
43	224.9	217.49	20			125	639.7	631.51	30		

Pitch 5/8" x 3/8"
for roller chains in compliance with DIN 8188-ISO/R
606 - ANSI B 29.1

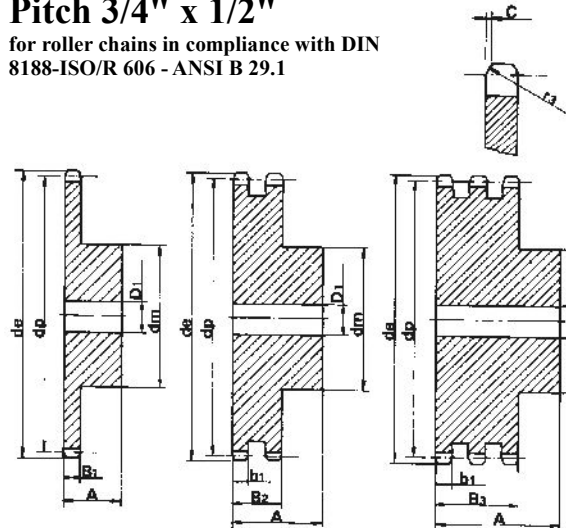


- PLATEWHEEL
- TOOTH RADIUS r₃
- RADIUS WIDTH C
- PLATE TOOTH WIDTH B₁
- PLATE TOOTH WIDTH b₁
- PLATE TOOTH WIDTH B₂
- PLATE TOOTH WIDTH B₃
- CHAIN
- PITCH
- INNER WIDTH
- ROLLER - Ø
- mm
- 17
- 2
- 9
- 8.8
- 26.9
- 45
- mm
- 15.875
- 9.52
- 10.16

Z	d _e	d _p	SINGLE			DOUBLE			TRIPLE		
			d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
10	71.54	61.64	42	12	30	42	12	45			
11	77.51	67.61	45	12	30	47	16	50	53	20	70
12	83.49	73.61	45	12	30	53	16	50	59	20	70
13	89.49	79.59	60	14	35	59	16	50	65	20	70
14	95.50	85.61	60	14	35	65	16	50	71	20	70
15	101.52	91.63	60	14	35	71	16	50	77	20	70
16	107.54	97.65	75	16	35	77	20	50	83	20	70
17	113.56	103.67	75	16	35	83	20	50	89	20	70
18	119.59	109.71	75	16	35	89	20	50	95	20	70
19	125.63	115.75	80	16	35	95	20	50	100	20	70
20	131.67	121.78	80	16	35	100	20	50	100	20	70
21	137.71	127.82	80	16	35	100	20	50	100	20	70
22	143.75	133.86	90	20	40	100	20	50	100	20	70
23	149.79	139.90	90	20	40	110	20	50	110	20	70
24	155.84	145.94	90	20	40	110	20	50	110	20	70
25	161.88	152.00	90	20	40	120	20	50	120	20	70
26	167.93	158.04	90	20	40	120	20	50			
27	173.98	164.09	90	20	40	120	20	50			
28	180.03	170.13	95	20	40	120	20	50			
30	192.14	182.25	95	20	40	120	20	50			

Pitch 3/4" x 1/2"

for roller chains in compliance with DIN 8188-ISO/R 606 - ANSI B 29.1



SPROCKET	mm
TOOTH RADIUS r ₃	20
RADIUS WIDTH C	2.4
SPROCKET TOOTH WIDTH B ₁	12.0
SPROCKET TOOTH WIDTH b ₁	11.8
SPROCKET TOOTH WIDTH B ₂	34.60
SPROCKET TOOTH WIDTH B ₃	57.4

CHAIN	mm
PITCH	19.05
INNER WIDTH	12.7
ROLLER - Ø	11.91

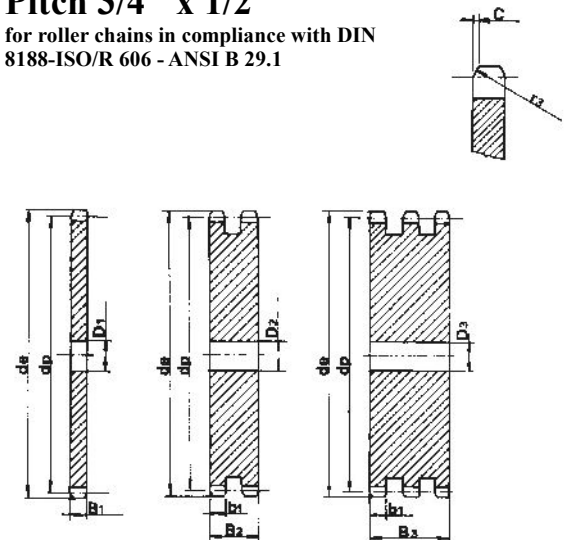
MATERIAL: C 45 UNI 7845

PLATEWHEELS

Z	d _e	d _p	S D ₁	D D ₂	T D ₃
30	192.14	182.25			20
32	204.24	194.35		20	
38	240.58	230.69	20	25	25
40	252.69	242.80	20	25	
45	282.98	273.09	25	25	25
48	301.16	291.27	25		
57	355.70	345.81	25	25	30
76	470.87	460.98	30	30	30
95	586.06	576.17		30	

Pitch 3/4" x 1/2"

for roller chains in compliance with DIN 8188-ISO/R 606 - ANSI B 29.1



PLATEWHEEL	mm
TOOTH RADIUS r ₃	20
RADIUS WIDTH C	2.4
PLATE TOOTH WIDTH B ₁	12.0
PLATE TOOTH WIDTH b ₁	11.8
PLATE TOOTH WIDTH B ₂	34.6
PLATE TOOTH WIDTH B ₃	57.4

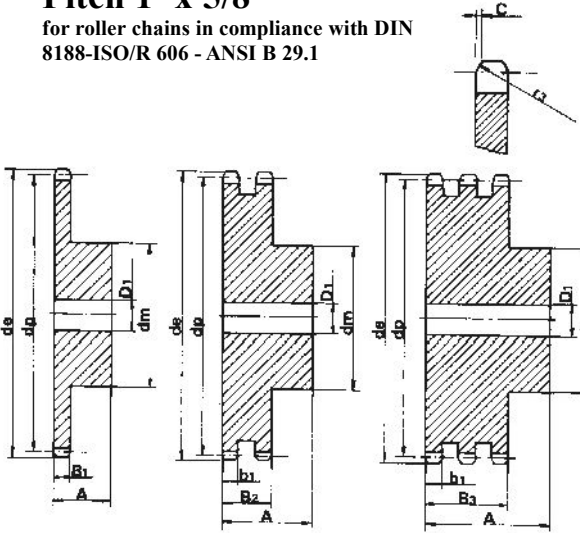
CHAIN	mm
PITCH	19.05
INNER WIDTH	12.7
ROLLER - Ø	11.91

SPROCKETS

ASA 80

Z	d _e	d _p	SINGLE			DOUBLE			TRIPLE		
			d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
8	79.49	66.37	42	16	35						
9	87.38	74.27	50	16	35						
10	95.32	82.19	55	16	35						
11	103.28	90.14	61	16	40						
12	111.26	98.14	69	16	40	72	20	70	72	25	100
13	119.26	106.12	78	16	40	78	20	70	78	25	100
14	127.27	114.15	84	16	40	86	20	70	86	25	100
15	135.29	122.17	92	16	40	94	20	70	94	25	100
16	143.32	130.20	100	20	45	102	20	70	102	30	100
17	151.35	138.22	100	20	45	110	20	70	110	30	100
18	159.39	146.28	100	20	45	118	20	70	118	30	100
19	167.44	154.33	100	20	45	126	20	70	126	30	100
20	175.49	162.38	100	20	45	130	20	70	130	30	100
21	183.54	170.43	110	20	50	130	25	70			
22	191.60	178.48	110	20	50						
23	199.66	186.53	110	20	50						
24	207.72	194.59	110	20	50						
25	215.78	202.66	110	20	50						
26	223.84	210.72	120	20	50						
27	231.91	218.79	120	20	50						
28	239.98	226.85	120	20	50						
29	248.05	234.92	120	20	50						
30	256.12	243.00	120	20	50						

Pitch 1" x 5/8"
for roller chains in compliance with DIN
8188-ISO/R 606 - ANSI B 29.1



SPROCKET	mm
TOOTH RADIUS r ₃	27
RADIUS WIDTH C	3.2
SPROCKET TOOTH WIDTH B ₁	15.0
SPROCKET TOOTH WIDTH b ₁	14.7
SPROCKET TOOTH WIDTH B ₂	44.0
SPROCKET TOOTH WIDTH B ₃	73.3

CHAIN	mm
PITCH	25.4
INNER WIDTH	15.88
ROLLER - Ø	15.88

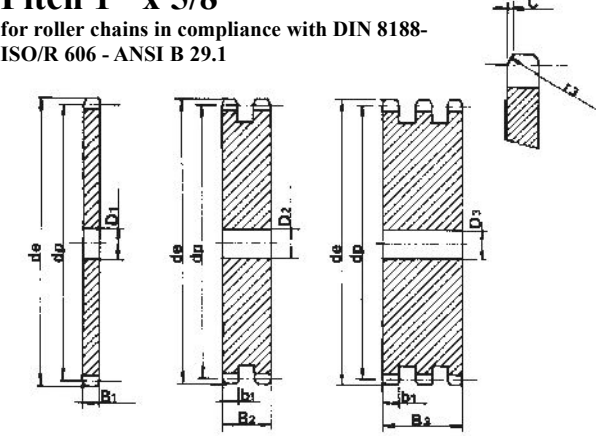
MATERIAL: C 45 UNI 7845

PLATEWHEELS

ASA 80

Z	d _e	d _p	S	D ₂	T
			D ₁		D ₃
10	95.32	82.19	15		
11	103.28	90.14	15		
12	111.26	98.14	15		
13	119.26	106.12	15		
14	127.27	114.15	15		
15	135.29	122.17	15		
16	143.32	130.20	19		
17	151.35	138.22	19		
18	159.39	146.28	19		
19	167.44	154.33	19		
20	175.49	162.38	19		
21	183.54	170.43	20		
22	191.60	178.48	20		
23	199.66	186.53	20		
24	207.72	194.59	20		
25	215.78	202.66	20	25	30
26	223.84	210.72	20		
27	231.91	218.79	20		
28	239.98	226.85	20		
30	256.12	243.00	20	25	30
32	272.26	259.13	25		
35	296.48	283.36	25		
38	320.70	307.59	25	25	30
45	377.24	364.12	25	25	30
50	417.64	404.52	25		
57	474.20	461.08	25	25	40
76	627.80	614.64	25	25	40

Pitch 1" x 5/8"
for roller chains in compliance with DIN 8188-
ISO/R 606 - ANSI B 29.1



PLATEWHEEL	mm
TOOTH RADIUS r ₃	27
RADIUS WIDTH C	3.2
PLATE TOOTH WIDTH B ₁	15.0
PLATE TOOTH WIDTH b ₁	14.7
PLATE TOOTH WIDTH B ₂	44.0
PLATE TOOTH WIDTH B ₃	73.3

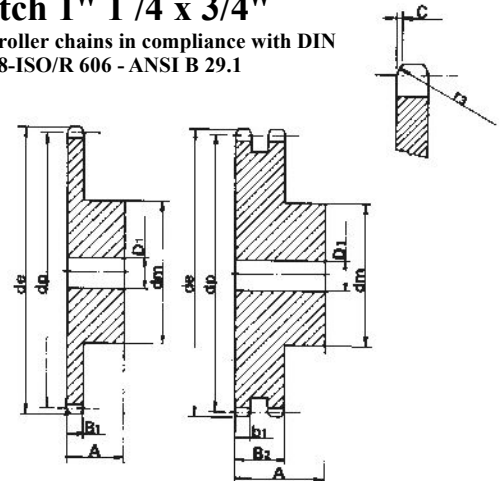
CHAIN	mm
PITCH	25.4
INNER WIDTH	15.88
ROLLER - Ø	15.88

SPROCKETS

ASA 100

Z	d _e	d _p	SINGLE			DOUBLE		
			d _m	D ₁	A	d _m	D ₁	A
8	98.1	82.96	53	20	40			
9	108.0	92.84	63	20	40			
10	117.9	102.74	70	20	40			
11	127.8	112.68	77	20	45			
12	137.8	122.68	88	20	45	90	20	80
13	147.8	132.65	98	20	45	100	20	80
14	157.8	142.68	108	20	45	110	20	80
15	167.9	152.72	118	20	45	120	20	80
16	177.9	162.75	120	25	50	120	25	80
17	187.9	172.78	120	25	50	120	25	80
18	198.0	182.85	120	25	50			
19	208.1	192.91	120	25	50			
20	218.1	202.98	120	25	50			
21	228.2	213.04	140	25	55			
22	238.3	223.11	140	25	55			
23	248.3	233.17	140	25	55			
24	258.4	243.23	140	25	55			
25	268.5	253.33	140	25	55			

Pitch 1" 1/4 x 3/4"
for roller chains in compliance with DIN 8188-ISO/R 606 - ANSI B 29.1



SPROCKET	mm
TOOTH RADIUS r ₃	33.5
RADIUS WIDTH C	4
SPROCKET TOOTH WIDTH B ₁	18.0
SPROCKET TOOTH WIDTH b ₁	17.7
SPROCKET TOOTH WIDTH B ₂	53.5
SPROCKET TOOTH WIDTH B ₃	89.2

CHAIN	mm
PITCH	31.75
INNER WIDTH	19.05
ROLLER - Ø	19.05

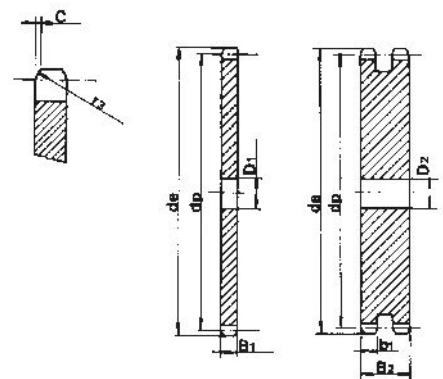
MATERIAL: C 45 UNI 7845

PLATEWHEELS

ASA 100

Z	d _e	d _p	S	D ₁	D ₂	T
8	98.1	82.96	16			
9	108.0	92.84	16			
10	117.9	102.74	16			
11	127.8	112.68	16			
12	137.8	122.68	20			
13	147.8	132.65	20			
14	157.8	142.68	20			
15	167.9	152.72	20			
16	177.9	162.75	25			
17	187.9	172.78	25			
18	198.0	182.85	25			
19	208.1	192.91	25			
20	218.1	202.98	25			
21	228.2	213.04	25			
22	238.3	223.11	25			
23	248.3	233.17	25			
24	258.4	243.23	25			
25	268.5	253.33	25			
26	278.6	263.40	25			
27	288.6	273.40	25			
28	298.7	283.56	25			
29	308.8	293.65	25			
30	318.9	303.75	25			
31	329.0	313.85	25			
32	339.1	323.91	25			
33	349.2	334.01	25			
34	359.3	344.10	25			
35	369.4	354.20	25			
36	379.5	364.30	25			
37	389.5	374.39	25			
38	399.6	384.49	25			
39	409.7	394.59	25			
40	419.8	404.68	25			
45	470.3	455.17	30			
57	591.5	576.36	30			

Pitch 1" 1/4 x 3/4"
for roller chains in compliance with DIN 8188-ISO/R 606 - ANSI B 29.1



PLATEWHEEL	mm
TOOTH RADIUS r ₃	33.5
RADIUS WIDTH C	4
PLATE TOOTH WIDTH B ₁	18.0
PLATE TOOTH WIDTH b ₁	17.7
PLATE TOOTH WIDTH B ₂	53.5
PLATE TOOTH WIDTH B ₃	89.2

CHAIN	mm
PITCH	31.75
INNER WIDTH	19.05
ROLLER Ø	19.05

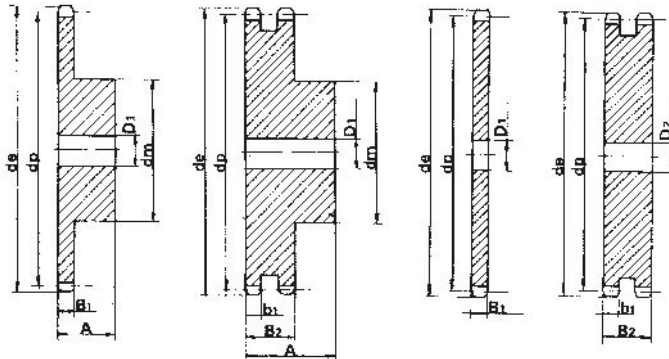
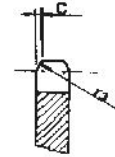
AS MODULATOR

SPROCKETS			SINGLE			DOUBLE		
Z	d _e	d _p	d _m	D ₁	A	d _m	D ₁	A
8	119.04	99.55	58	20	45			
9	130.88	111.4	70	20	45			
10	142.77	123.29	80	20	45			
11	154.71	135.21	90	25	50			
12	166.69	147.22	102	25	50	102	25	100
13	178.68	159.18	114	25	50	114	25	100
14	190.7	171.22	128	25	50	128	25	100
15	202.73	183.26	140	25	50	140	25	100

PLATEWHEELS			S	D	T	D ₂
Z	d _e	d _p		D ₁		
16	214.77	195.29		25		
17	226.83	207.35		25		25
18	238.89	219.41		25		25
20	263.03	243.55		25		25
22	287.2	267.72		25		
25	323.47	303.99		25		25
30	383.97	364.49		30		30
32	408.19	388.71		30		
38	480.85	461.37		30		30
45	565.67	546.19		30		40
57	711.1	691.62				40

Pitch 1" 1/2 x 1"

for roller chains in compliance with DIN 8188-ISO/R 606 - ANSI B 29.1



SPROCKET

mm

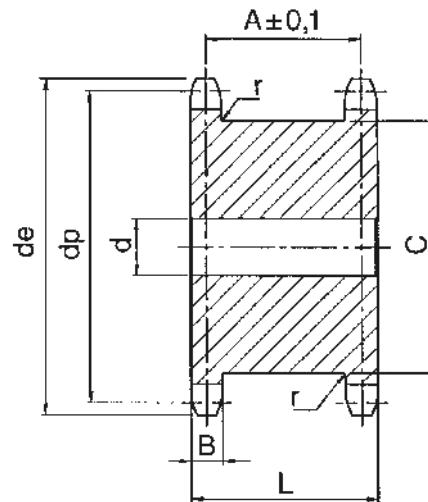
TOOTH RADIUS r ₃	40.5
RADIUS WIDTH C	4.8
SPROCKET TOOTH WIDTH B ₁	24.1
SPROCKET TOOTH WIDTH b ₁	23.6
SPROCKET TOOTH WIDTH B ₂	69.0
CHAIN	mm

PITCH	38.1
INNER WIDTH	25.4
ROLLER - 0	22.22

MATERIAL: C 45 SPROCKETS UNI 7845

All the deleted tooth profiles are available till sold out.

At the Customer's request, we are able to produce tooth profiles and pitches in accordance with ASA profiles not shown in this Catalogue on a final cost basis.

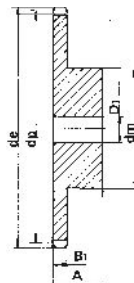


TYPE	Z	OUTSIDE De	PITCH Dp	Material / C45 UNI 7845		B h14	C max	L	r
				d	A				
3/8"x7/32" R. 6.35 06 B-1	13	43.45	39.80	10	20.3	5.3	28	25.5	0.4
	15	49.46	45.81	10	20.3	5.3	34	25.5	0.4
	17	55.49	51.84	12	20.3	5.3	40	25.5	0.4
	18	58.3	54.85	12	20.3	5.3	43	25.5	0.4
	19	61.52	57.87	12	20.3	5.3	46	25.5	0.4
	20	64.30	60.89	12	20.3	5.3	49	25.5	0.4
	21	67.56	63.91	15	20.3	5.3	52	25.5	0.4
	23	73.60	69.95	15	20.3	5.3	59	25.5	0.4
1/2"x5/16" R. 8.51 08 B-1	25	79.65	76.00	15	20.3	5.3	65	25.5	0.4
	13	57.56	53.07	12	24.8	7.2	37	32	0.6
	15	65.57	61.08	12	24.8	7.2	45	32	0.6
	17	73.61	69.12	12	24.8	7.2	53	32	0.6
	18	78.00	73.14	12	24.8	7.2	57	32	0.6
	19	81.65	77.16	12	24.8	7.2	62	32	0.6
	20	86.00	81.19	12	24.8	7.2	65	32	0.6
	21	89.70	85.21	15	24.8	7.2	70	32	0.6
5/8 "x3/8" R. 10.16 10 B-1	23	97.76	93.27	15	24.8	7.2	78	32	0.6
	25	105.82	101.33	15	24.8	7.2	86	32	0.6
	13	73.17	66.33	15	27.9	9.1	48	37	0.6
	15	83.19	76.35	15	27.9	9.1	58	37	0.6
	17	93.23	86.39	15	27.9	9.1	68	37	0.6
	18	98.30	91.42	15	27.9	9.1	72	37	0.6
	19	103.29	96.45	15	27.9	9.1	79	37	0.6
	20	108.40	101.49	19	27.9	9.1	82	37	0.6
3/4 "x7/16" R. 12.07 12 B-1	21	113.35	106.51	19	27.9	9.1	89	37	0.6
	23	123.43	116.59	19	27.9	9.1	99	37	0.6
	25	133.50	126.66	19	27.9	9.1	109	37	0.6
	13	87.13	76.90	20	33.9	11.1	59	45	0.6
	15	99.16	91.63	20	33.9	11.1	71	45	0.6
	17	111.20	103.67	20	33.9	11.1	83	45	0.6
	18	118	109.71	20	33.9	11.1	88	45	0.6
	19	123.27	115.74	20	33.9	11.1	95	45	0.6
1"x17.02 R. 15.88 16 B-1	20	129.70	121.78	20	33.9	11A	101	45	0.6
	21	135.35	127.82	20	33.9	11A	107	45	0.6
	23	147.43	139.90	20	33.9	11.1	119	45	0.6
	25	159.52	151.99	24	33.9	11.1	131	45	0.6
	13	117.26	106.14	24	47.8	16.2	78	64	0.8
	15	133.29	122.17	24	47.8	16.2	95	64	0.8
	17	149.35	138.23	24	47.8	16.2	111	64	0.8
	18	157.00	146.28	24	47.8	16.2	119	64	0.8
	19	165.44	154.32	24	47.8	16.2	127	64	0.8
	20	173.00	162.38	24	47.8	16.2	135	64	0.8
	21	181.54	170.42	24	47.8	16.2	143	64	0.8
	23	197.66	186.54	24	47.8	16.2	160	64	0.8
	25	213.78	202.66	24	47.8	16.2	176	64	0.8

SINGLE STAINLESS STEEL SPROCKETS

For roller chains in compliance with DIN 8187 - ISO/R 606

PITCH	Z	12	13	15	16	17	18	19	20	21	23	25	30
3/8"x7/32"	de	-	43.00	49.30	52.30	55.30	58.30	61.30	64.30	68.00	73.50	80.00	94.70
	4	-	39.79	45.81	48.82	51.83	54.85	57.87	60.89	63.91	69.65	76.00	91.12
	dm	-	28.00	34.00	37.00	40.00	43.00	45.00	46.00	48.00	52.00	57.00	60.00
	DI	-	10.00	10.00	10.00	10.00	10.00	10.00	10.00	12.00	12.00	12.00	12.00
	A	-	25.00	25.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	30.00
1/2"x5/16"	de	53.00	57.90	65.90	69.90	74.00	78.00	82.00	86.00	90.01	98.01	106.20	126.30
	4	49.07	53.06	61.09	65.10	69.11	73.14	77.16	81.19	85.22	93.27	101.33	121.50
	dm	33.00	37.00	45.00	50.00	52.00	56.00	60.00	64.00	68.00	70.00	70.00	80.00
	DI	10.00	10.00	10.00	12.00	12.00	12.00	12.00	12.00	14.00	14.00	14.00	16.00
	A	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	30.00
5/8"x3/8"	de	-	73.00	83.00	88.00	93.00	98.30	103.30	108.40	113.40	123.40	134.00	158.80
	4	-	66.32	76.36	81.37	86.39	91.42	96.45	101.49	106.52	116.58	126.66	151.87
	dm	-	47.00	57.00	60.00	60.00	70.00	70.00	75.00	80.00	80.00	80.00	90.00
	DI	-	12.00	12.00	12.00	12.00	12.00	14.00	14.00	16.00	16.00	16.00	20.00
	A	-	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	35.00
3/4"x7/16"	de	-	87.50	99.80	105.50	111.50	118.00	124.20	129.70	136.00	149.00	160.00	-
	4	-	79.59	91.63	97.65	103.67	109.71	115.75	121.78	127.82	139.90	152.00	-
	dm	-	58.00	70.00	75.00	80.00	80.00	80.00	80.00	90.00	90.00	90.00	-
	DI	-	16.00	16.00	16.00	16.00	16.00	16.00	16.00	20.00	20.00	20.00	-
	A	-	35.00	35.00	35.00	35.00	35.00	35.00	35.00	40.00	40.00	40.00	-
1"x17/32"	de	-	117.00	133.00	141.00	149.00	157.00	165.20	163.00	181.20	-	-	-
	dp	-	106.12	122.17	130.20	138.22	146.28	154.33	162.38	170.43	-	-	-
	dm	-	78.00	92.00	100.00	100.00	100.00	100.00	100.00	110.00	-	-	-
	DI	-	16.00	16.00	19.00	20.00	20.00	20.00	20.00	20.00	-	-	-
	A	-	40.00	40.00	40.00	45.00	45.00	45.00	45.00	50.00	-	-	-



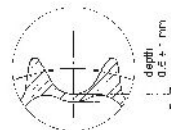
MATERIAL:
AISI 304 L
STAINLESS
STEEL

SINGLE SPROCKETS WITH INDUCTION

Induction hardened
teeth
HRC 45÷53

HARDENED TEETH

PITCH	Z	13	14	15	16	17	18	19	20	21	23	25	27	30
3/8"x7/32"	de	43.00	46.50	49.30	52.30	55.30	58.30	61.30	64.30	68.00	73.50	80.00	86.00	94.70
	dp	39.79	42.80	45.81	48.82	51.83	54.85	57.87	60.89	63.91	69.95	76.00	82.05	91.12
	dm	28.00	31.00	34.00	37.00	40.00	43.00	45.00	46.00	48.00	52.00	57.00	60.00	60.00
	DI	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	12.00	12.00	12.00	12.00	12.00
	A	25.00	25.00	25.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	30.00
1/2"x5/16"	de	57.40	61.80	65.90	69.90	74.00	78.00	82.00	86.00	90.10	98.10	106.20	114.00	126.30
	dp	53.60	57.07	61.09	65.10	69.11	73.14	77.16	81.19	85.22	93.27	101.33	109.40	121.50
	dm	37.00	41.00	45.00	50.00	52.00	56.00	60.00	64.00	68.00	70.00	70.00	70.00	80.00
	DI	10.00	10.00	10.00	12.00	12.00	12.00	12.00	12.00	14.00	14.00	14.00	16.00	16.00
	A	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	30.00	30.00
5/8"x3/8"	de	73.00	76.20	83.00	88.00	93.00	98.30	103.30	108.40	113.40	123.40	134.00	143.50	158.70
	dp	66.32	71.34	76.36	81.37	86.39	91.42	96.45	101.49	106.52	116.58	126.66	136.74	151.87
	dm	47.00	52.00	57.00	60.00	60.00	70.00	70.00	75.00	80.00	80.00	80.00	80.00	90.00
	DI	12.00	12.00	12.00	12.00	12.00	12.00	14.00	14.00	16.00	16.00	16.00	16.00	20.00
	A	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	35.00
3/4"x7/16"	de	87.50	93.80	99.80	105.50	111.50	118.00	124.20	129.70	136.00	149.00	160.00	171.60	189.80
	dp	79.59	85.61	91.63	97.65	103.67	109.71	115.75	121.78	127.82	139.90	152.00	164.09	182.25
	dm	58.00	64.00	70.00	75.00	80.00	80.00	80.00	80.00	90.00	90.00	90.00	90.00	95.00
	DI	14.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	20.00	20.00	20.00	20.00	20.00
	A	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	40.00	40.00	40.00	40.00	40.00
1"x17/32"	de	117.00	125.70	133.00	141.00	149.00	157.00	165.20	173.00	181.20	197.60	213.70	229.60	254.60
	dp	106.12	114.15	122.17	130.20	138.22	146.28	154.33	162.38	170.43	186.54	202.66	218.79	243.00
	dm	78.00	84.00	92.00	100.00	100.00	100.00	100.00	100.00	110.00	110.00	110.00	110.00	120.00
	DI	16.00	16.00	16.00	19.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
	A	40.00	40.00	40.00	45.00	45.00	45.00	45.00	45.00	50.00	50.00	50.00	50.00	50.00



MATERIAL:
C45 UNI7845

SINGLE SPROCKETS WITH INDUCTION HARDENED TEETH WITH BORE + KEYWAY + SETSCREW HOLES

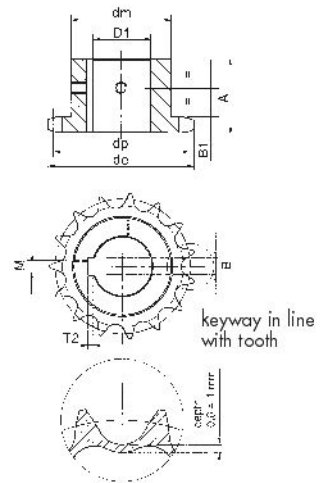
z	de	dp	dm	A	D1
13	43.5	39.80	28	25	12
					14
					15
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					24
14	46.5	42.80	31	25	12
					14
					15
					16
					18
					20
					22
					24
15	49.5	45.81	34	25	14
					15
					16
					18
					19
					20
					22
					24
16	52.3	48.82	37	28	14
					15
					16
					18
					19
					20
					22
					24
17	55.5	51.83	40	28	14
					15
					16
					18
					19
					20
					22
					24

Z	de	dp	dm	A	D1
18	58.3	54.85	43	28	14
					15
					16
					18
					19
					20
					22
					24
19	61.6	57.87	45	28	15
					16
					18
					19
					20
					22
					24
20	64.3	60.89	46	28	15
					16
					18
					19
					20
					22
					24
21	67.6	63.91	48	28	15
					16
					18
					19
					20
					22
					24

Z	de	dp	dm	A	D1
23	73.7	69.95	52	28	15
					16
					18
					19
					20
					22
					24
					25
24	76.7	72.97	54	28	18
					19
					20
					22
					24
					25
					28
					30
25	79.7	76.00	57	28	18
					20
					22
					24
					25
					28
					30
27	85.7	82.05	60	28	20
					22
					24
					25
					28
					30
30	94.8	91.12	60	30	20
					22
					24
					25
					28
					30

3/8" x 7/32" 06B-1

for roller chains in compliance with
DIN 8187 ISO/R 606



Induction hardened teeth HRC 45±53
 SPROCKET mm
 SPROCKET TOOTH WIDTH B₁ 5,3
 CHAIN mm
 PITCH 9.525
 INNER WIDTH 5.72
 ROLLER - Ø 6,35

MATERIAL: C 45 UNI 7845

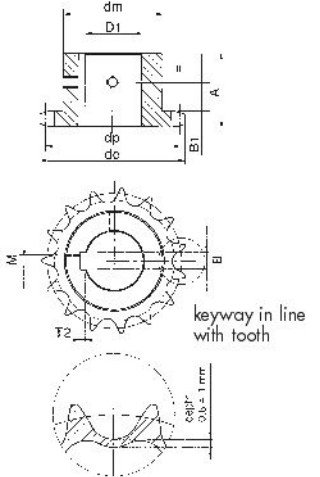
z	de	dp	dm	A	D1
12	53.9	49.07	33	28	12
					14
					15
					16
					18
					19
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					22
					24
13	57.9	53.06	37	28	12
					14
					15
					16
					18
					19
					20
					22
					24
14	61.6	57.07	41	28	14
					15
					16
					18
					19
					20
					22
					24
					25
15	65.9	61.09	45	28	14
					15
					16
					18
					19
					20
					22
					24
					25
16	69.5	65.1	50	28	15
					16
					18
					19
					20
					22
					24
					25
					28
					30

Z	de	dp	dm	A	D1
17	74	69.11	52	28	15
					16
					18
					19
					20
					22
					24
					25
					28
					30
18	77.8	73.14	56	28	16
					18
					19
					20
					22
					24
					25
					28
					30
19	82	77.16	60	28	19
					20
					22
					25
					28
					30
20	85.8	81.19	64	28	19
					20
					22
					24
					25
					28
					30
					32
					35
21	90.1	85.22	68	28	19
					20
					22
					24
					25
					28
					30
					32
					35

Z	de	dp	dm	A	D1
23	98.1	93.27	70	28	20
					22
					24
					25
					28
					30
					32
					35
					38
24	102.1	97.29	70	28	20
					22
					24
					25
					28
					30
					32
					35
					38
25	105.8	101.33	70	28	20
					22
					24
					25
					28
					30
					32
					35
					38
27	114	109.4	70	30	22
					25
					30
					32
					35
					38
30	126.3	121.5	80	30	25
					28
					30
					32
					35
					38

1/2" x 5/16" 08B-1

for roller chains in compliance with
DIN 81 87ISO/R 606



Induction hardened teeth HRC 45±53
 SPROCKET mm
 SPROCKET TOOTH WIDTH B₁ 7.2
 CHAIN mm
 PITCH 12.7
 INNER WIDTH 7.75
 ROLLER - Ø 8.51

MATERIAL: C 45 UNI 7845

SINGLE SPROCKETS WITH INDUCTION HARDENED TEETH WITH BORE + KEYWAY + SETSCREW HOLES

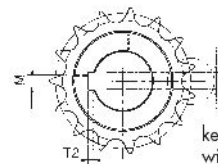
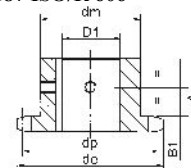
z	de	dp	dm	A	D1
13	73.2	66.32	47	30	16
					19
					20
					22
					24
					25
					28
					30
14	78.2	71.34	52	30	16
					19
					20
					22
					24
					25
					28
					30
15	83.2	76.36	57	30	19
					20
					22
					24
					25
					28
					30
					32
					35
16	88	81.37	60	30	20
					22
					24
					25
					28
					30
					32
					35
17	93.2	86.39	60	30	20
					22
					24
					25
					28
					30
					32
					35

z	de	dp	dm	A	D1
18	98.3	91.42	70	30	20
					22
					24
					25
					28
					30
					32
					35
					38
					40
19	103.3	96.45	70	30	20
					22
					24
					25
					28
					30
					32
					35
					38
					40
20	108.4	101.49	75	30	20
					22
					24
					25
					28
					30
					32
					35
					38
					40
21	113.4	106.52	75	30	20
					22
					24
					25
					28
					30
					32
					35
					38
					40

z	de	dp	dm	A	D1
23	123.4	116.58	80	30	20
					22
					24
					25
					28
					30
					32
					35
					38
					40
					42
24	128.5	121.62	80	30	20
					22
					24
					25
					28
					30
					32
					35
					38
					40
					42
25	133.5	126.66	80	30	22
					24
					25
					28
					30
					32
					35
					38
					40
					42

5/8" x 3/8" 10B-1

for roller chains in compliance with
DIN 8187 ISO/R 606



keyway in line
with tooth



Induction hardened teeth HRC 45-53

SPROCKET	mm
SPROCKET TOOTH WIDTH B ₁	9.1
CHAIN	mm
PITCH	15.875
INNER WIDTH	9.65
ROLLER - Ø	10.16

MATERIAL: C 45 UNI 7845

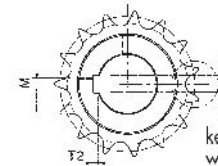
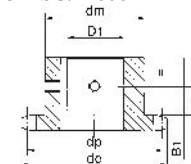
z	de	dp	dm	A	D1
12	81.8	73.6	52	35	20
					22
					24
					25
					28
					30
13	87.1	79.6	58	35	20
					22
					24
					25
					28
					30
					32
					35
14	93.8	85.41	64	35	20
					22
					24
					25
					28
					30
					32
					35
15	99.2	91.43	70	35	20
					22
					24
					25
					28
					30
					32
					35
					38
					40
16	105.5	97.65	75	35	20
					22
					25
					28
					30
					32
					35
					38
					40

z	de	dp	dm	A	D1
17	111.2	103.67	80	35	22
					25
					28
					30
					32
					35
					38
					40
18	118.0	109.71	80	35	22
					25
					28
					30
					32
					35
					38
					40
19	123.3	115.75	80	35	25
					28
					30
					32
					35
					38
					40
					42
					45
20	129.7	121.78	80	35	25
					28
					30
					32
					35
					38
					40
					42
					45

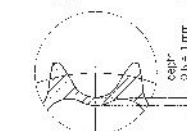
z	de	dp	dm	A	D1
21	135.4	127.82	90	40	28
					30
					32
					35
					38
					40
					42
					45
					48
					50
23	147.4	139.90	90	40	28
					30
					32
					35
					38
					40
					42
					45
					48
					50
24	154.1	145.94	90	40	28
					30
					32
					35
					38
					40
					42
					45
					48
					50
25	159.5	152.00	90	40	28
					30
					32
					35
					38
					40
					42
					45
					48
					50

3/4" x 7/16" 12B-1

for roller chains in compliance with
DIN 8187 ISO/R 606



keyway in line
with tooth



Induction hardened teeth HRC 45-53

SPROCKET	mm
SPROCKET TOOTH WIDTH B ₁	11.1
CHAIN	mm
PITCH	19.05
INNER WIDTH	11.68
ROLLER - Ø	12.07

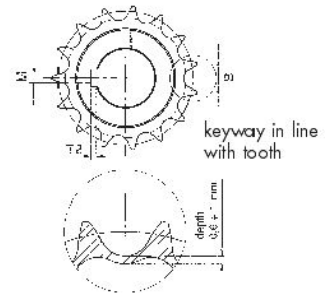
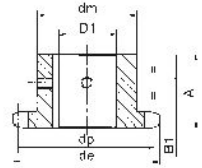
MATERIAL: C 45 UNI 7845

SINGLE SPROCKETS WITH INDUCTION HARDENED TEETH WITH BORE + KEYWAY + SETSCREW HOLES

z	de	dp	dm	A	D1	z	d	dp	dm	A	D1	z	de	dp	dm	A	D1
12	109.71	98.14	69	40	25	16	141.01	130.20	100	45	30	20	173.2	162.38	100	45	30
					28						32						32
					30						35						35
					32						38						38
					35						40						40
					38						42						42
					40						45						45
					48						48						48
					50						50						50
12	117.2	106.14	78	40	25	17	149.41	138.22	100	45	30	21	181.6	170.43	110	50	30
					28						32						32
					30						35						35
					32						38						38
					35						40						40
					38						42						42
					40						45						45
					42						48						48
					45						50						50
14	125.7	114.15	84	40	25	18	157.01	146.28	100	45	30	23	198.1	186.1	110	50	30
					28						32						32
					30						35						35
					32						38						38
					35						40						40
					38						42						42
					40						45						45
					42						48						48
					45						50						50
15	133,3	122.17	92	40	28	19	165.51	154.33	100	45	30	25	214.2	202.66	110	50	30
					30						32						32
					32						35						35
					35						38						38
					38						40						40
					40						42						42
					42						45						45
					45						48						48
					48						50						50

1" x 17.02 16B-1

for roller chains in compliance with
DIN 8187 ISO/R 606



Induction hardened teeth HRC 45÷53

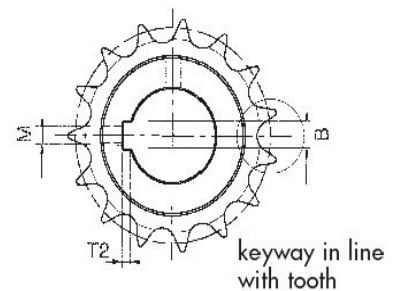
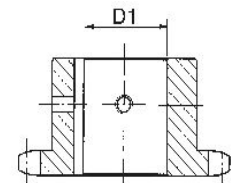
SPROCKET mm
SPROCKET TOOTH WIDTH B₁ 16,2

CHAIN mm
PITCH 25.4
INNER WIDTH 17.02
ROLLER - Ø 15.88

MATERIAL: C 45 UNI 7845

KEYWAY 10 DIN 6885 - JS9

D1 Bore	B Keyway Width	T2 Keyway Depth	M Screws
Ø 12 H7 ^{+0.018} ₋₀	4 H9 ^{+0.030} ₋₀	1.8 ^{+0.10} ₋₀	M4
Ø 14 H7 ^{+0.018} ₋₀	5 H9 ^{+0.030} ₋₀	2.3 ^{+0.10} ₋₀	M4
Ø 15 H7 ^{+0.018} ₋₀	5 H9 ^{+0.030} ₋₀	2.3 ^{+0.10} ₋₀	M4
Ø 16 H7 ^{+0.018} ₋₀	5 H9 ^{+0.030} ₋₀	2.3 ^{+0.10} ₋₀	M4
Ø 18 H7 ^{+0.018} ₋₀	6 H9 ^{+0.030} ₋₀	2.8 ^{+0.10} ₋₀	M5
Ø 19 H7 ^{+0.021} ₋₀	6 H9 ^{+0.030} ₋₀	2.8 ^{+0.10} ₋₀	M5
Ø 20 H7 ^{+0.021} ₋₀	6 H9 ^{+0.030} ₋₀	2.8 ^{+0.10} ₋₀	M5
Ø 22 H7 ^{+0.021} ₋₀	6 H9 ^{+0.030} ₋₀	2.8 ^{+0.10} ₋₀	M5
Ø 24 H7 ^{+0.021} ₋₀	8 H9 ^{+0.036} ₋₀	3.3 ^{+0.20} ₋₀	M6
Ø 25 H7 ^{+0.021} ₋₀	8 H9 ^{+0.036} ₋₀	3.3 ^{+0.20} ₋₀	M6
Ø 28 H7 ^{+0.021} ₋₀	8 H9 ^{+0.036} ₋₀	3.3 ^{+0.20} ₋₀	M6
Ø 30 H7 ^{+0.021} ₋₀	8 H9 ^{+0.036} ₋₀	3.3 ^{+0.20} ₋₀	M6
Ø 32 H7 ^{+0.025} ₋₀	10 H9 ^{+0.036} ₋₀	3.3 ^{+0.20} ₋₀	M8
Ø 35 H7 ^{+0.025} ₋₀	10 H9 ^{+0.036} ₋₀	3.3 ^{+0.20} ₋₀	M8
Ø 38 H7 ^{+0.025} ₋₀	10 H9 ^{+0.036} ₋₀	3.3 ^{+0.20} ₋₀	M8
Ø 40 H7 ^{+0.025} ₋₀	12 H9 ^{+0.043} ₋₀	3.3 ^{+0.20} ₋₀	M10
Ø 42 H7 ^{+0.025} ₋₀	12 H9 ^{+0.043} ₋₀	3.3 ^{+0.20} ₋₀	M10
Ø 45 H7 ^{+0.025} ₋₀	14 H9 ^{+0.043} ₋₀	3.8 ^{+0.20} ₋₀	M12
Ø 48 H7 ^{+0.025} ₋₀	14 H9 ^{+0.043} ₋₀	3.8 ^{+0.20} ₋₀	M12
Ø 50 H7 ^{+0.025} ₋₀	14 H9 ^{+0.043} ₋₀	3.8 ^{+0.20} ₋₀	M12



T a p e r - L o c k[®] S P R O C K E T S

PITCH

	SINGLE						DOUBLE					
	Pitch code	Z	bush	Type of Execution	Hub Dm	A	Pitch code	Z	bush	Type of Execution	Hub Dm	A
3/8" 9.52 mm	031-17*	17	1008	1	44.5	22	032-17	17	1008	2	42.5	22
	031-18	18	1008	1	43	22	032-18	18	1008	2	43	22
	031-19*	19	1008	1	46	22	032-19	19	1008	2	46	22
	031-20	20	1008	1	46	22	032-20	20	1008	2	48	22
	031-21*	21	1008	1	46	22	032-21	21	1008	2	49	22
	031-22	22	1108	1	50	22	032-22	22	1108	2	52	22
	031-23*	23	1210	1	62	25	032-23	23	1210	2	58	25
	031-24	24	1210	1	62	25	032-24	24	1210	2	61	25
	031-25*	25	1210	1	63	25	032-25	25	1210	2	64	25
	031-26	26	1210	1	60	25	032-26	26	1210	2	65	25
	031-27*	27	1210	1	60	25	032-27	27	1210	2	65	25
	031-28	28	1210	1	60	25	032-28	28	1210	2	65	25
	031-30*	30	1210	1	63	25	032-30	30	1210	2	65	25
	031-38	38	1210	1	73	25	032-38	38	1610	2	76	25
	031-45	45	1210	1	73	25	032-45	45	1610	2	89	25
	031-57*	57	1210	6	83	25	032-57	57	1610	7	89	25
	031-76*	76	1210	6	83	25	032-76*	76	1610	7	89	25
	031-95*	95	1210	6	83	25	032-95*	95	1610	7	89	25
1/2" 12.70 mm	031-114*	114	1215	6	83	38	032-114*	114	1615	7	89	38
	041-15*	15	1008	1	46	22	042-15	15	1008	2	46	22
	041-16	16	1108	1	50	22	042-16	16	1108	2	50	22
	041-17*	17	1210	1	59.5	25	042-17	17	1210	2	56	25
	041-18	18	1210	1	60	25	042-18	18	1210	2	58	25
	041-19*	19	1210	1	63	25	042-19	19	1210	2	64	25
	041-20	20	1610	1	71	25	042-20	20	1610	2	66	25
	041-21*	21	1610	1	71	25	042-21	21	1610	2	71	25
	041-22	22	1610	1	70	25	042-22	22	1610	2	76	25
	041-23*	23	1610	1	76	25	042-23	23	1610	2	79	25
	041-24	24	1610	1	70	25	042-24	24	2012	2	84	32
	041-25*	25	1610	1	76	25	042-25	25	2012	2	87	32
	041-26	26	1610	1	70	25	042-26	26	2012	2	85	32
	041-27*	27	1610	1	76	25	042-27	27	2012	2	87	32
	041-28	28	2012	1	90	32	042-28	28	2012	2	87	32
	041-30*	30	2012	1	90	32	042-30	30	2012	2	87	32
	041-38	38	2012	1	102	32	042-38	38	2012	2	102	32
	041-45	45	2012	1	102	32	042-45	45	2012	2	111	32
5/8" 15.87 mm	041-57*	57	2012	6	111	32	042-57*	57	2012	7	111	32
	041-76*	76	2012	6	111	32	042-76*	76	2012	7	111	32
	041-95*	95	2012	6	111	32	042-95*	95	2012	7	111	32
	041-114*	114	2517	6	124	45	042-114*	114	2517	7	124	45
	051-13*	13	1008	1	46	22	052-15	15	1210	3		25.5
	051-14	14	1108	1	52	22						
	051-15*	15	1210	1	63	25						
	051-16	16	1610	1	70	25						
	051-17*	17	1610	1	71	25						
	051-18	18	1610	1	75	25						
	051-19*	19	1610	1	76	25						
	051-20	20	1610	1	75	25						
	051-21*	21	1610	1	76	25						
	051-22	22	1610	1	76	25						
	051-23*	23	1610	1	76	25						
	051-24	24	2012	1	90	32					90	32
	051-25*	25	2012	1	90	32					90	32
	051-26	26	2012	1	85	32					90	32
	051-27*	27	2012	1	90	32					90	32
	051-28	28	2012	1	90	32					90	32
	051-30*	30	2012	1	90	32					90	32
	051-38	38	2012	1	102	32					108	45
	051-45	45	2012	6	111	32					110	45
	051-57*	57	2012	6	111	32						
	051-76*	76	2012	6	111	32						
	051-95*	95	2517	6	124	45						
	051-114*	114	2517	6	124	45						
3/4" 19.05 mm	061-13*	13	1210	1	63	25	062-15	15	1610	3		30.3
	061-14	14	1610	1	71	25						
	061-15*	15	1610	1	71	25						
	061-16	16	1610	1	75	25						
	061-17*	17	1610	1	76	25						
	061-18	18	2012	1	90	32					89	32
	061-19*	19	2012	1	90	32					95	32
	061-20	20	2012	1	90	32					108	45
	061-21*	21	2517	1	102	45					108	45
	061-22	22	2517	1	102	45					108	45
	061-23*	23	2517	1	108	45					108	45
	061-24	24	2517	1	108	45					108	45
	061-25*	25	2517	1	108	45					108	45
	061-26	26	2517	1	108	45					108	45
	061-27*	27	2517	1	108	45					108	45
	061-28	28	2517	1	108	45					108	45
	061-30*	30	2517	1	108	45					108	45
	061-38	38	2517	1	124	45					152	51
	061-45	45	2517	6	124	45					154	51
	061-57*	57	2517	6	124	45					159	51
	061-76*	76	2517	6	124	45					159	51
	061-95*	95	2517	6	124	45					159	51
	061-114*	114	2525	6	124	63	062-114*	114	3030	7	159	76

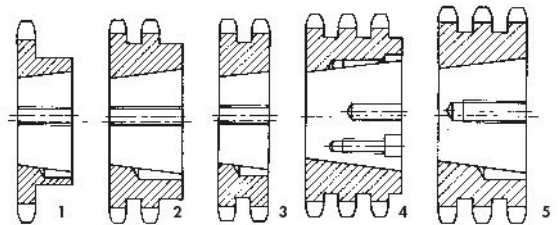
Taper - Lock® S P R O C K E T S

PITCH

PITCH	Pitch code	Z	SIMPLE bush	Type of Execution	Hub Dm	A
1" 25.40 mm	081-13	13	1610	1	78	25
	081-14	14	1610	1	78	25
	081-15*	15	1610	1	78	25
	081-16	16	2012	1	90	32
	081-17*	17	2012	1	90	32
	081-18	18	2517	1	108	45
	081-19*	19	2517	1	108	45
	081-20	20	2517	1	108	45
	081-21*	21	2517	1	108	45
	081-22	22	2517	1	108	45
	081-23*	23	2517	1	108	45
	081-24	24	2517	1	108	45
	081-25*	25	2517	1	108	45
	081-26	26	2517	1	108	45
	081-27*	27	2517	1	108	45
	081-28	28	2517	1	108	45
	081-30*	30	3020	1	159	51
	081-38	38	3020	6	159	51
	081-45	45	3020	6	159	51
	081-57*	57	3020	6	159	51
1" ¼ 31.75 mm	081-76*	76	3020	6	159	51
	081-95*	95	3020	6	159	51
	081-114*	114	3030	6	150	76
	101-15*	15	2517	1	108	45
	101-17*	17	2517	1	108	45
	101-19*	19	2517	1	108	45
	101-21*	21	2517	1	108	45
	101-23*	23	2517	1	108	45
	101-25*	25	2517	1	108	45
	101-30	30	3020	1	159	51
	101-38	38	3020	1	159	55

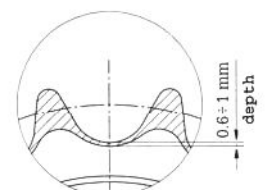
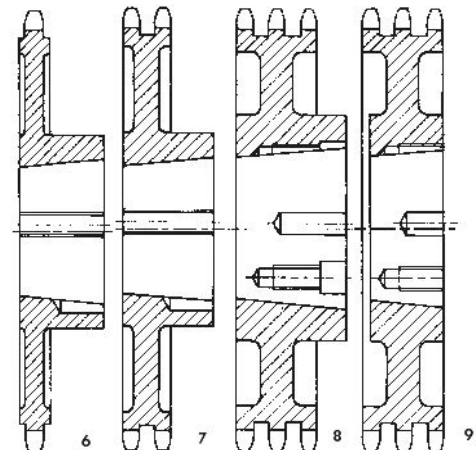
PITCH

PITCH	Pitch code	Z	DOUBLE bush	Type of Execution	Hub Dm	A
1" 25.40 mm	082-15	15	2012	3		47.7
	082-16	16	2517	3		47.7
	082-17	17	2517	3		47.7
	082-18	18	2517	3		47.7
	082-19	19	2517	3		47.7
	082-20	20	2517	3		47.7
	082-21	21	3020	2	143	51
	082-22	22	3020	2	150	51
	082-23	23	3020	2	159	51
	082-24	24	3020	2	166	51
	082-25	25	3020	2	175	51
	082-26	26	3020	2	175	51
	082-27	27	3020	2	175	51
	082-28	28	3020	2	175	51
	082-30	30	3020	2	175	51
	082-38*	38	3020	7	146	51
	082-45*	45	3020	7	146	51
	082-57*	57	3525	7	198	65
	082-76*	76	3525	7	198	65
	082-95*	95	3525	7	216	65
	082-114*	114	4040	7	216	102



PITCH

PITCH	Pitch code	Z	TRIPLE bush	Type of Execution	Hub Dm	A
¾" 19.05 mm	063-15	15	1615	5		49.8
	063-17	17	2012	5		49.8
	063-19	19	2012	5		49.8
	063-21	21	2517	5		49.8
	063-23	23	2517	5		49.8
	063-25	25	2517	5		49.8
	063-27	27	3020	5		51.0
	063-30	30	3020	5		51.0
	063-38	38	3020	5		51.0
	063-45	45	3020	5		51.0
	063-57*	57	3020	8	159	51.0
	063-76*	76	3020	8	159	51
	063-95*	95	3030	8	165	76.0
	063-114*	114	3030	8	165	76.0
1" 25.40 mm	083-17	17	2517	5		79.6
	083-19	19	3020	5		79.6
	083-21	21	3020	5		79.6
	083-23	23	3525	5		79.6
	083-25	25	3525	5		79.6
	083-27	27	3525	5		79.6
	083-30	30	3525	5		79.6
	083-38	38	3525	5		79.6
	083-45*	45	4030	9	216	79.6
	083-57*	57	4030	9	216	79.6
	083-76*	76	4030	9	216	79.6
	083-95*	95	4030	9	240	79.6
	083-114*	114	4545	8	240	115



Induction hardened teeth HRC 45÷53

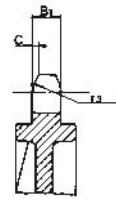
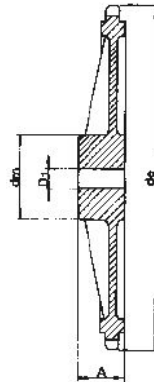
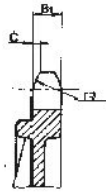
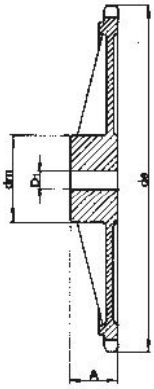
* Also AVAILABLE WITH HARDENED TEETH

MATERIAL: STEEL = C 45 UNI 7845

* CAST IRON = G 20 - UNI 5007

AS MODULATOR

CAST IRON SPROCKETS: G20 UNI 5007



3/8" x 7/32" for roller chains in compliance with DIN 8187 ISO/R 606

			SINGLE			DOUBLE			TRIPLE				
z	d _e	d _p	d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A	SPROCKET	mm
38	119.5	115.35	70	19	32	80	19	40	90	23	56	TOOTH RADIUS r ₃	10
45	140.7	136.55	70	19	32	80	19	40	90	23	56	RADIUS WIDTH C	1
57	176.9	172.91	70	19	32	80	19	40	90	23	56	SPROCKET TOOTH WIDTH B ₁	5.3
76	234.9	230.49	70	19	32	80	19	40	90	23	56	SPROCKET TOOTH WIDTH b ₁	5.2
												SpROCKET TOOTH WIDTH B ₂	15.4
												SPROCKET TOOTH WIDTH B ₃	25.6
*95	292.5	288.08	80	19	40	90	19	45	100	23	56		
*114	349.6	345.68	80	19	40	90	19	45	100	23	56	CHAIN	mm
*150	459.2	454.82	90	23	45	100	23	50	125	23	60	PITCH	9.525
												INNER WIDTH	5.72
												ROLLER - Ø	6.35

1/2" x 5/16" for roller chains in compliance with DIN 8187 ISO/R 606

			SINGLE			DOUBLE			TRIPLE				
z	d _e	d _p	d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A		mm
38	158.6	153.80	70	19	40	90	23	50	100	23	60	SPROCKET	
												TOOTH RADIUS r ₃	13
45	188	182.07	70	19	40	90	23	50	100	23	60	RADIUS WIDTH C	1.3
												SPROCKET TOOTH WIDTH B ₁	7.2
57	236.4	230.54	70	19	40	90	23	50	100	23	60	SPROCKET TOOTH WIDTH b ₁	7
												SPROCKET TOOTH WIDTH B ₂	21
76	313.3	307.33	80	23	40	100	23	56	100	23	60	SPROCKET TOOTH WIDTH B ₃	34.9
95	390.1	384.11	80	23	45	100	23	56	120	23	67	CHAIN	mm
												PITCH	12.7
114	466.9	460.90	90	23	45	100	23	63	120	23	67	INNER WIDTH	7.75
												ROLLER - Ø	8.51

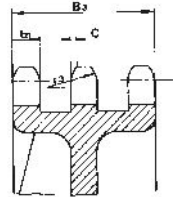
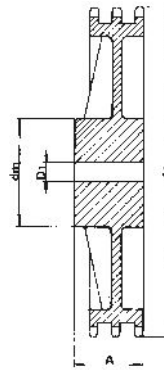
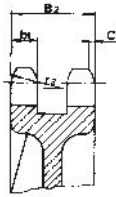
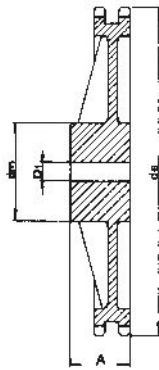
5/8" x 3/8" for roller chains in compliance with DIN 8187 ISO/R 606

			SINGLE			DOUBLE			TRIPLE					
z	d _e	d _p	d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A	SPROCKET	mm	
38	199.2	192.24	80	19	40	100	29	50	100	31	60	TOOTH RADIUS r ₃	16	
45	235	227.58	80	19	40	100	29	50	100	31	60	RADIUS WIDTH C	1.6	
57	296	288.18	90	23	45	100	29	56	100	31	63	SPROCKET TOOTH WIDTH B ₁	9.1	
76	392.1	384.16	90	23	50	100	29	63	110	34	67	SPROCKET TOOTH WIDTH b ₁	9	
95	488.5	480.14	100	23	56	110	29	63	125	34	70	SPROCKET TOOTH WIDTH B ₂	25.5	
*114	584.1	576.13	100	23	56	125	29	70	125	34	80	SPROCKET TOOTH WIDTH B ₃	42.1	
													CHAIN	mm
													PITCH	15.875
													INNER WIDTH	9.65
													ROLLER - Ø	10.16

3/4" x 7/16" for roller chains in compliance with DIN 8187 ISO/R 606

			SINGLE			DOUBLE			TRIPLE					
z	d _e	d _p	d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A	SPROCKET	mm	
38	239	230.69	100	23	56	110	29	63	140	31	70	TOOTH RADIUS r ₃	19	
45	282.5	273.1	100	23	56	110	29	63	140	31	70	RADIUS WIDTH C	2	
57	354	345.81	100	29	56	120	29	63	140	39	70	SPROCKET TOOTH WIDTH B ₁	11,1	
76	469.9	460.99	100	29	56	135	29	63	160	39	75	SPROCKET TOOTH WIDTH b ₁	10.8	
95	585.1	576.17	100	29	65	135	29	70	170	39	82	SPROCKET TOOTH WIDTH B ₂	30.3	
'114	700.6	691.36	100	29	65	135	44	70	170	49	82	SPROCKET TOOTH WIDTH B ₃	49.8	
													CHAIN	mm
													PITCH	19.05
													INNER WIDTH	11.68
													ROLLER - Ø	12.07

CAST IRON SPROCKETS: G20 UNI 5007



1" x 17.02 mm for roller chains in compliance with DIN 81 87 ISO/R 606

z	d _c	d _p	SINGLE			DOUBLE			TRIPLE		
			d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
30	254.0	243.00	110	29	65	125	39	75	145	39	90
38	320.0	307.59	110	29	65	140	39	75	160	44	100
45	377.0	364.13	125	29	70	148	39	75	160	44	100
57	474.0	461.08	125	34	70	160	39	90	165	44	100
76	627.0	614.65	140	34	80	175	39	95	200	44	110
95	781.0	768.22	140	39	80	175	44	95	200	49	110
114	933.0	921.81	150	39	80	175	44	95	200	49	115

SPROCKET	mm
TOOTH RADIUS r ₃	26
RADIUS WIDTH C	2.5
SPROCKET TOOTH WIDTH B ₁	16.2
SPROCKET TOOTH WIDTH B ₂	15.8
SPROCKET TOOTH WIDTH B ₃	47.7
CHAIN	mm
PITCH	25.4
INNER WIDTH	17.02
ROLLER - Ø	15.88

1" 1/4 x 3/4" for roller chains in compliance with DIN 8187 ISO/R 606

z	d _c	d _p	SINGLE			DOUBLE			TRIPLE		
			d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
30	318.9	303.75	115	34	70	130	39	80	170	55	110
38	399.6	384.49	125	34	70	140	44	90			
45	470.3	455.17	125	34	70	140	44	90			
57	591.5	576.36	135	39	80	160	49	100	180	62	125
76	783.5	768.32	140	49	90	180	55	100			

SPROCKET	mm
TOOTH RADIUS r ₃	32
RADIUS WIDTH C	3.5
SPROCKET TOOTH WIDTH B ₁	18.5
SPROCKET TOOTH WIDTH B ₂	18.2
SPROCKET TOOTH WIDTH B ₃	54.6
CHAIN	mm
PITCH	31.75
INNER WIDTH	19.56
ROLLER - Ø	19.05

1" 1/2 x 1" for roller chains in compliance with DIN 8187 ISO/R 606

z	d _c	d _p	SINGLE			DOUBLE			TRIPLE		
			d _m	D ₁	A	d _m	D ₁	A	d _m	D ₁	A
30	379.5	364.5	130	39	85	180	44	100	200	62	150
38	476.2	461.3	140	44	90						
45	581.2	546.2	140	44	90						
57	706.5	691.6	160	44	100	200	54	110	200	62	150
76	936.9	921.9	170	44	100	220	54	120	250	69	150

SPROCKET	mm
TOOTH RADIUS r ₃	38
RADIUS WIDTH C	4
SPROCKET TOOTH WIDTH B ₁	24.1
SPROCKET TOOTH WIDTH B ₂	23.6
SPROCKET TOOTH WIDTH B ₃	72
CHAIN	mm
PITCH	38.1
INNER WIDTH	25.4
ROLLER - Ø	25.4

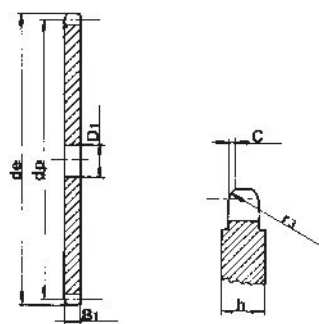
Cast iron sprockets in the ASA version are not manufactured
* = SINGLE SPROCKETS WITH DOUBLE REINFORCEMENT

P L A T E W H E E L S

Z	d _e	d _p	S D ₁
12	85.7	77.28	14
14	98.3	89.88	14
15	104.6	96.18	14
16	110.9	102.52	16
17	117.2	108.82	16
19	129.9	121.52	16
20	136.2	127.84	16
21	142.6	134.18	20
23	155.3	146.88	20
26	174.3	165.92	20
27	180.7	172.27	20
35	231.5	223.12	20
38	250.6	242.18	25
39	256.9	248.54	25
40	263.3	254.92	25

Platewheels 20 x 16 mm

for roller chains in compliance with DIN 8164



PLATEWHEEL	mm
TOOTH RADIUS r ₃	20
RADIUS WIDTH C	1,7
PLATE TOOTH WIDTH B ₁	14,5

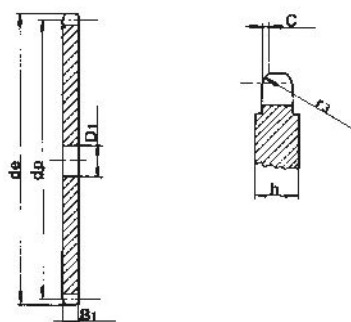
CHAIN	mm
PITCH	20
INNER WIDTH	16
ROLLER - Ø	12

P L A T E W H E E L S

Z	d _e	d _p	S D ₁
11	117.4	106.48	20
12	126.9	115.91	20
13	137.3	125.36	20
15	156.2	144.29	20
17	175.2	163.27	20
21	213.2	201.29	25
22	222.8	210.80	25
23	232.3	220.32	25
27	270.4	258.41	25
30	299.0	287.00	25
38	375.2	363.27	30

Platewheels 30 x 11.02 mm

for roller chains in compliance with DIN 8180



PLATEWHEEL	mm
TOOTH RADIUS r ₃	27
RADIUS WIDTH C	2.2
PLATE TOOTH WIDTH B ₁	15.8

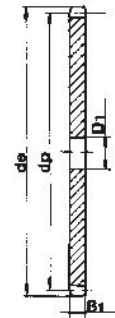
CHAIN	mm
PITCH	30
INNER WIDTH	17.02
ROLLER - Ø	15.88

PLATEWHEELS FOR CONVEYORS AND ELEVATORS

Z	ROLLER 25			ROLLER 28			ROLLER 31		
	d _c	d _p	D _i	d _c	d _p	D _i	d _c	d _p	D
6	115.0	100.00	20				116.2	100.00	20
7	132.7	115.24	20				133.8	115.24	20
8	148.1	130.60	25	150.2	130.60	25	152.3	130.60	25
9	163.7	146.20	25				167.9	146.20	25
10	179.3	161.85	25	181.4	161.85	25	183.5	161.85	25
11	195.0	177.50	25				199.2	177.50	25
12	211.0	193.20	25				212.0	193.20	25
13	226.4	208.95	30				230.6	208.95	30
14	242.2	224.70	30	244.3	224.70	30	246.4	224.70	30
15	257.9	240.45	30	260.0	240.45	30	262.1	240.45	30
16	273.8	256.30	30				278.0	256.30	30
17	289.5	272.05	30				293.7	272.05	30
18	305.4	287.95	30	307.5	287.95	30	309.6	287.95	30
19	321.3	303.80	30				325.5	303.80	30
20	337.1	319.60	30				341.3	319.60	30
21	352.9	335.45	30				357.1	335.45	30
22				370.9	351.35	30	373.0	351.35	30
23							388.9	367.20	30
24	400.0	383.05	30	402.6	383.05	30	404.7	383.05	30
25	416.4	398.95	30				419.7	398.95	30
26	432.3	414.80	30				436.5	414.80	30
27	448.2	430.70	30				452.4	430.70	30
28	464.0	446.55	30				468.2	446.55	30
30	495.8	478.35	30						
32							531.8	510.10	30
35							579.5	557.80	30
38	622.9	605.45	30				622.0	605.45	30

Platewheels P50

designed for conveyors and elevators



R25-28-31

CHAIN	mm
PITCH	50
INNER WIDTH	11.5
ROLLER	25
PLATE THICKNESS B ₁	10.5

CHAIN	mm
PITCH	50
INNER WIDTH	15
ROLLER	28
PLATE THICKNESS B ₁	13.8

CHAIN	mm
PITCH	50
INNER WIDTH	15
ROLLER	31
PLATE THICKNESS B ₁	13.8

Z	ROLLER 25			ROLLER 31		
	d _c	d _p	D _i	d _c	d _p	D _i
8	213.4	195.98	30	217.6	195.98	30
9	236.8	219.30	30	241.0	219.30	30
10	260.2	242.77	30	264.4	242.77	30
11	283.7	266.25	30	287.9	266.25	30
12	307.3	289.80	30	311.5	289.80	30
13	330.9	313.42	30	334.1	313.42	30
14				358.7	337.05	30
15	378.1	360.67	30	382.3	360.67	30
16	401.9	384.45	30	406.1	384.45	30
17				429.7	408.07	30
20	496.9	479.40	30			
21				524.8	503.17	30
25	615.9	598.42	30	620.1	598.42	30

Platewheels P75

designed for conveyors and elevators

R 25 - 31

CHAIN	mm
PITCH	75
INNER WIDTH	11.5
ROLLER	25
PLATE THICKNESS B ₁	10.5

CHAIN	mm
PITCH	75
INNER WIDTH	15
ROLLER	31
PLATE THICKNESS B ₁	13.8

Platewheels P100

Designed for conveyors and elevators

R 25 - 31 - 40

Z	ROLLER 25			ROLLER 31			ROLLER 40		
	d _c	d _p	D _i	d _c	d _p	D _i	d _c	d _p	D
8	278.7	261.31	30	282.9	261.31	30	283	261.31	30
9				314.1	292.40	30	314	292.40	30
10	341.2	323.61	30	345.4	323.61	30	345	323.61	30
11	372.5	354.95	30	376.7	354.95	30	378	354.95	30
12	403.9	386.40	30	408.1	386.40	30	409	386.40	30
13				439.6	417.90	30			
14				471.1	449.40	30	473	449.40	30
15				502.6	480.90	30			
16				534.3	512.60	30	536	512.60	30
17				565.8	544.10	30			
18				597.6	575.90	30			
19									
20							663	639.20	30

CHAIN	mm
PITCH	100
INNER WIDTH	11,5
ROLLER	25
PLATE THICKNESS B ₁	10,5

CHAIN	mm
PITCH	100
INNER WIDTH	15
ROLLER	31
PLATE THICKNESS B ₁	13,8

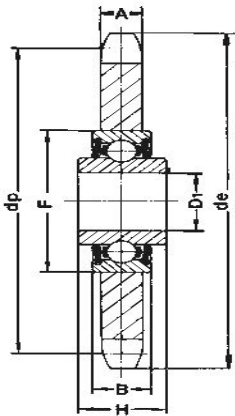
CHAIN	mm
PITCH	100
INNER WIDTH	22
ROLLER	40
PLATE THICKNESS B ₁	20

AS MODUATOR

IDLERSPROCKETS

Z	Passo	d _c	d _p	A	D ₁	F	B	H
23	8 x 3	62,15	58,75	2,8	16 ^{+0,26} _{-0,13}	40	12	18,3
21	3/8"x7/32"	68	63,9	5,3	16 ^{+0,26} _{-0,13}	40	12	18,3
22	3/8"x7/32"	71	66,93	5,3	16 ^{+0,26} _{-0,13}	40	12	18,3
18	1/2"x1/8"	78,9	73,14	3	16 ^{+0,26} _{-0,13}	40	12	18,3
15	1/2"x3/16"	66,8	61,09	4,5	16 ^{+0,26} _{-0,13}	40	12	18,3
16	1/2"x3/16"	70,9	65,1	4,5	16 ^{+0,26} _{-0,13}	40	12	18,3
18	1/2"x3/16"	78,9	73,13	4,5	16 ^{+0,26} _{-0,13}	40	12	18,3
14	1/2"x5/16"	61,8	57,07	7,2	16 ^{+0,26} _{-0,13}	40	12	18,3
16	1/2"x5/16"	69,5	65,1	7,2	16 ^{+0,26} _{-0,13}	40	12	18,3
18	1/2"x5/16"	77,8	73,14	7,2	16 ^{+0,26} _{-0,13}	40	12	18,3
14	5/8"x3/8"	78	71,34	9,1	16 ^{+0,26} _{-0,13}	40	12	18,3
15	5/8"x3/8"	83	76,36	9,1	16 ^{+0,26} _{-0,13}	40	12	18,3
17	5/8"x3/8"	93	86,39	9,1	16 ^{+0,26} _{-0,13}	40	12	18,3
13	3/4"x7/16"	87,5	79,59	11,1	16 ^{+0,26} _{-0,13}	40	12	18,3
15	3/4"x7/16"	99,8	91,63	11,1	16 ^{+0,26} _{-0,13}	40	12	18,3
12	1"x17.02	109	98,14	16,2	20 ⁺⁰ _{-0,1}	47	14	17,7
13	1"x1/4x3/4"	147,8	132,65	18,5	25 ⁺⁰ _{-0,1}	52	15	21

Idler Sprockets with I

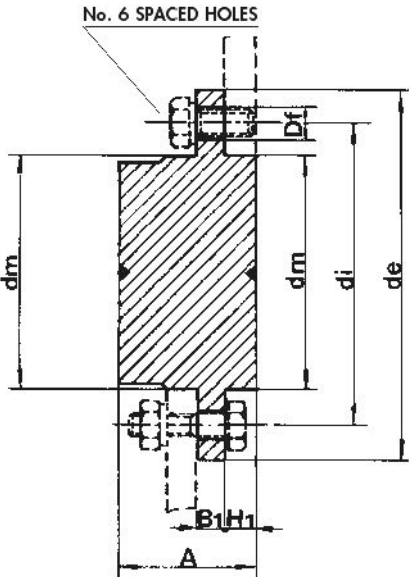


Our chain tensioning sprockets are supplied complete with bearing, ready for assembly in special tension or transmission points. The accurate machining and stable assembly on a dual protective shield ball bearing ensure greater resistance to loads and wear. The central elongated ring of the bearing facilitates assembly on special machines of every type.

DISASSEMBLING HUBS FOR PLATEWHEELS

One sided hub for chain wheel

Nr.	d _c	d _i	d _m ^{h9}	A	D _f	B ₁	H ₁
30	55	45	30	20.0	4.2	4	3.0
40	70	58	40	25.0	5.2	5	5.2
50	80	67	50	32.0	6.2	7	7.0
60	90	76	60	38.5	6.2	7	8.7
70	110	94	70	45.5	8.2	8	10.5
80	130	107	80	55.0	8.2	12	15.0
100	170	140	100	73.0	10.2	17	23.0
140	220	182	140	83.0	12.2	20	23.0
160	245	205	160	93.0	16.5	25	25.0

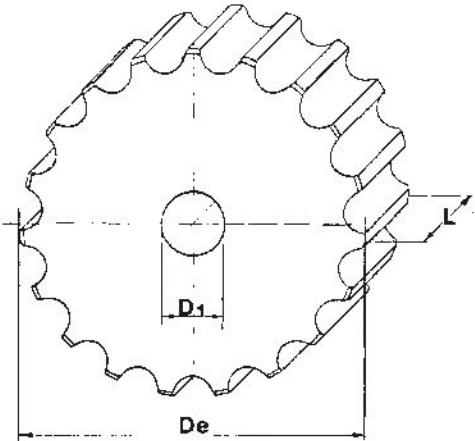


MATERIAL: FE 50

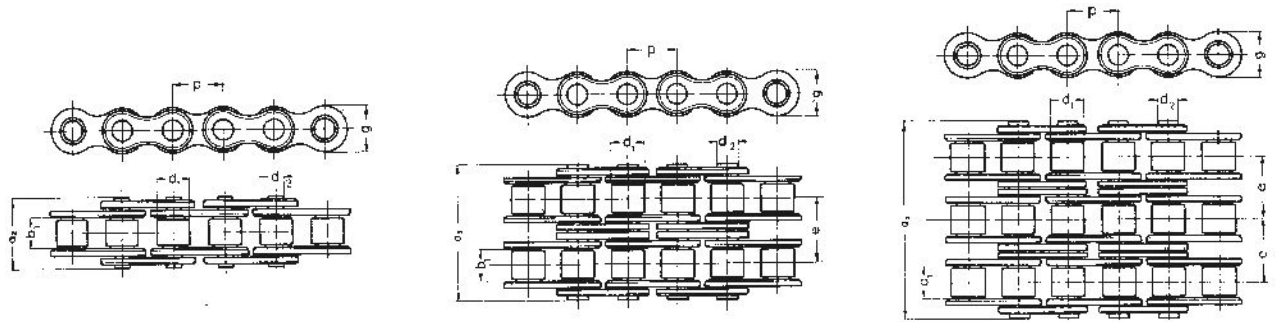
T A B L E T O P W H E E L S

Tabletop wheels
P.1" 1/2 in
compliance with
DIN 8153

Z	d _c	D ₁	L
13	78.98	15	43.5
15	93.67	15	43.5
17	105.47	20	43.5
19	117.34	20	43.5
21	129.26	20	43.5
23	141.22	20	43.5
25	153.21	20	43.5
27	165.20	20	43.5
29	177.24	20	43.5
31	189.28	20	43.5



T P M ® - R O L L E R C H A I N S



SINGLE

ISO N.	mm	P inch	b ₁ min. mm	d ₂ mm	d ₁ max. mm	a ₂ max. mm	g max. mm	f cm ²	kg/ m =	ult. tensile strength N. mm.
081-1	12.7	1/2"	3.3	3.59	7.75	10.2	9.90	0.20	0.28	7.200
083-1	12.7	1/2"	4.88	4.09	7.75	12.9	10.30	0.32	0.42	9.200
084-1	12.7	1/2"	4.88	4.09	7.75	14.8	11.15	0.35	0.59	11.000

Q R C ® - R O L L E R C H A I N S

CHAINS MANUFACTURED BY AN ISO 9002 CERTIFIED FACTORY
SINGLE

ISO N.	mm	P inch	b ₁ min. mm	d ₂ mm	d ₁ max. mm	a ₂ max. mm	g max. mm	f cm ²	kg/ m =	ult. tensile strength N. mm
04-1	6	-	2.80	1.85	4.00	7.4	5.00	0.07	0.12	2.800
05B-1	8	-	3.00	2.31	5.00	8.6	7.11	0.11	0.18	4.700
06B-1	9.525	3/8"	5.72	3.28	6.35	13.5	8.26	0.28	0.41	8.200
08B-1	12.7	1/2"	7.75	4.45	8.51	17.0	11.81	0.50	0.70	16.400
108-1	15.875	5/8"	9.65	5.08	10.16	19.6	14.73	0.67	0.95	20.500
12B-1	19.05	3/4"	11.68	5.72	12.07	22.7	16.13	0.89	1.25	26.500
16B-1	25.04	1"	17.02	8.28	15.88	36.1	21.08	2.10	2.70	52.500
20B-1	31.75	1 1/4"	19.56	10.19	19.05	43.2	26.42	2.95	3.60	85.500
24B-1	38.1	1 1/2"	25.40	14.63	25.40	53.4	33.40	5.54	6.70	153.900
28B-1	44.45	1 3/4"	30.99	15.9	27.94	65.1	37.08	7.40	8.30	180.000
32B-1	50.8	2"	30.99	17.81	29.21	67.4	42.29	8.11	10.50	230.000

DOUBLE

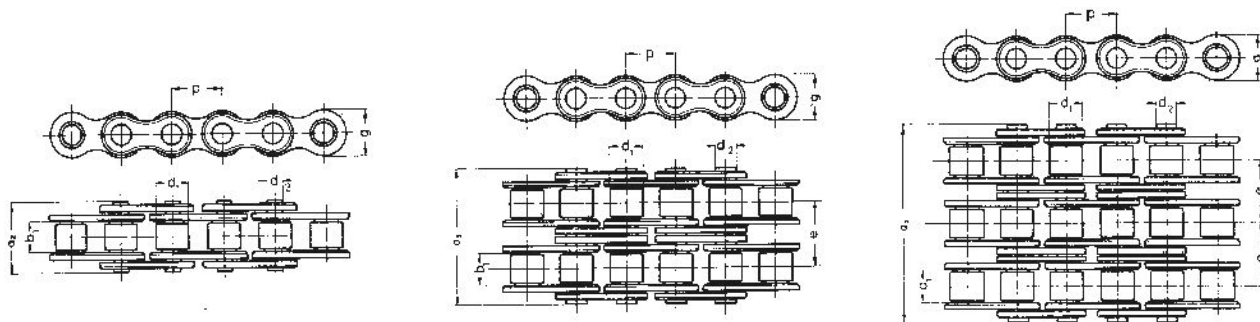
ISO N.	mm	P inch	b ₁ min. mm	d ₂ mm	d ₁ max. mm	a ₂ max. mm	g max. mm	e mm	f cm ²	kg/ m =	ult. tensile strength N. mm-
06B-2	9.525	3/8"	5.72	3.28	6.35	23.8	8.26	10.24	0.55	0.78	15.500
08B-2	12.7	1/2"	7.75	4.45	8.51	31.0	11.81	13.92	1.00	1.35	28.500
10B-2	15.875	5/8"	9.65	5.08	10.16	36.2	14.73	16.59	1.34	1.85	41.000
12B-2	19.05	3/4"	11.68	5.72	12.07	42.2	16.13	19.46	1.78	2.50	53.000
16B-2	25.4	1"	17.02	8.28	15.88	68.0	21.08	31.88	4.21	5.40	99.500
20B-2	31.75	1 1/4"	19.56	10.19	19.05	79.7	26.42	35.45	5.91	7.20	162.000
24B-2	38.1	1 1/2"	25.40	14.63	25.40	101.8	33.40	48.36	11.09	13.50	293.000
28B-2	44.45	1 3/4"	30.99	15.90	27.94	124.7	37.08	59.56	14.81	16.60	344.000
32B-2	50.8	2"	30.99	17.81	29.21	126.0	42.29	58.55	16.23	21.00	440.000

DOUBLE

ISO N.	mm	P inch	b ₁ min. mm	d ₂ mm	d ₁ max. mm	a ₂ max. mm	g max. mm	e mm	f cm ²	kg/ m =	ult. tensile strength N. mm-
06B-3	9.525	3/8"	5.72	3.28	6.35	34.0	8.26	10.24	0.83	1.2	22.800
08B-3	12.7	1/2"	7.75	4.45	8.51	44.9	11.81	13.92	1.50	2.0	41.000
10B-3	15.875	5/8"	9.65	5.08	10.16	52.8	14.73	16.59	2.02	2.8	61.500
12B-3	19.05	3/4"	11.68	5.72	12.07	61.7	16.13	19.46	2.68	3.8	80.000
16B-3	25.4	1"	17.02	8.28	15.88	99.9	21.08	31.88	6.32	8.0	149.000
20B-3	31.75	1 1/4"	19.56	10.19	19.05	116.1	26.42	36.45	8.86	11.0	244.000
24B-3	38.1	1 1/2"	25.40	14.63	25.40	150.2	33.40	48.36	16.64	21.0	438.000
28B-3	44.45	1 3/4"	30.99	15.90	27.94	184.3	37.08	59.56	22.21	25.0	516.000
32B-3	50.8	2"	30.99	17.81	29.21	184.5	42.29	58.55	24.34	32.0	671.000

Q R C A S A - R O L L E R C H A I N S

CHAINS MANUFACTURED BY AN ISO 9002 CERTIFIED FACTORY



SINGLE "ANSI" ASA

ANSI N.	P		b ₁	d ₂	d ₁	a ²	g	f	kg/m	ult. tensile
	mm	inch	min. mm	mm	max. mm	max. mm	max. mm	cm ²	=	strength N. mtn.
35-1	9.525	3/8"	4.77	3.58	5.08	13.2	9.05	0.27	0.31	7.350
40-1	12.7	1/2"	7.95	3.96	7.92	17.8	12.07	0.44	0.61	12.900
50-1	15.875	5/8"	9.53	5.08	10.16	21.8	15.09	0.70	1.01	20.200
60-1	19.05	3/4"	12.70	5.94	11.91	26.9	18.08	1.06	1.47	28.900
80-1	25.4	1"	15.88	7.92	15.88	33.5	24.13	1.79	2.57	51.300
100-1	31.75	1 1/4"	19.05	9.53	19.05	41.1	30.18	2.62	3.73	80.200
120-1	38.1	1 1/2"	25.40	11.10	22.23	50.8	36.20	3.94	5.50	115.000
140-1	44.45	1 3/4"	25.40	12.70	25.40	54.9	42.24	4.72	7.50	156.300
160-1	50.8	2"	31.75	14.27	28.58	65.5	48.26	6.50	9.70	205.500

DOUBLE "ANSI" ASA

ANSI N.	P		b ₁	d ₂	d ₁	a ²	g	e	f	kg/m	ult. tensile
	mm	inch	min. mm	mm	max. mm	max. mm	max. mm	mm	cm ²	=	strength N. mtn.
35-2	9.525	3/8"	4.77	3.58	5.08	21.6	9.05	10.13	0.54	0.67	14.700
40-2	12.7	1/2"	7.95	3.96	7.92	32.3	12.07	14.38	0.88	1.19	25.600
50-2	15.875	5/8"	9.53	5.08	10.16	39.9	15.09	18.11	1.40	1.92	40.400
60-2	19.05	3/4"	12.70	5.94	11.91	49.8	18.08	22.78	2.12	2.90	57.800
80-2	25.4	1"	15.88	7.92	15.88	62.7	24.13	29.29	3.58	5.01	102.700
100-2	31.75	1 1/4"	19.05	9.53	19.05	77.0	30.18	35.76	5.24	7.31	160.400
120-2	38.1	1 1/2"	25.40	11.10	22.23	96.3	36.20	45.44	7.88	10.94	230.000
140-2	44.45	1 3/4"	25.40	12.70	25.40	103.6	42.24	48.87	9.44	14.36	312.600
160-2	50.8	2"	31.75	14.27	28.58	124.2	48.26	58.55	13.00	19.10	411.000

TRIPLE "ANSI" ASA

ANSI N.	P		b ₁	d ₂	d ₁	a ²	g	e	f	kg/m	ult. tensile
	mm	inch	min. mm	mm	max. mm	max. mm	max. mm	mm	cm ²	=	strength N. mtn.
35-3	9.525	3/8"	4.77	3.58	5.08	31.8	9.05	10.13	0.81	1.01	22.050
40-3	12.7	1/2"	7.95	3.96	7.92	46.7	12.07	14.38	1.32	1.78	38.300
50-3	15.875	5/8"	9.53	5.08	10.16	57.9	15.09	18.11	2.10	2.89	60.600
60-3	19.05	3/4"	12.70	5.94	11.91	72.6	18.08	22.78	3.18	4.28	86.700
80-3	25.4	1"	15.88	7.92	15.88	91.7	24.13	29.29	5.37	7.47	154.100
100-3	31.75	1 1/4"	19.05	9.53	19.05	113.0	30.18	35.76	7.86	11.01	240.600
120-3	38.1	1 1/2"	25.40	11.10	22.23	141.7	36.20	45.44	11.82	16.50	345.000
140-3	44.45	1 3/4"	25.40	12.70	25.40	152.4	42.24	48.87	14.16	21.70	468.900
160-3	50.8	2"	31.75	14.27	28.58	182.9	48.26	58.55	19.50	28.30	616.400

AS MODULATOR

QRC® - EUROPEAN RANGE ROLLER CHAINS

CHAINS MANUFACTURED BY AN ISO 9002 CERTIFIED FACTORY



SINGLE - STAINLESS STEEL

ISO N.	mm	P inch	b ₁ min. mm	d ₂ mm	d ₁ max. mm	a ² max. mm	g max. mm	f cm ²	kg/m =	ult. tensile strength N. min.
05B-1	8	-	3.00	2.31	5.00	8.6	7.11	0.11	0.18	3.400
06B-1	9.525	3/8"	5.72	3.28	6.35	13.5	8.26	0.28	0.41	4.400
08B-1	12.7	1/2"	7.75	4.45	8.51	17.0	11.81	0.50	0.70	9.800
10B-1	15.875	5/8"	9.65	5.08	10.16	19.6	14.73	0.67	0.95	13.600
12B-1	19.05	3/4"	11.68	5.72	12.07	22.7	16.13	0.89	1.25	15.000
16B-1	25.4	1"	17.02	8.28	15.88	36.1	21.08	2.10	2.70	39,5

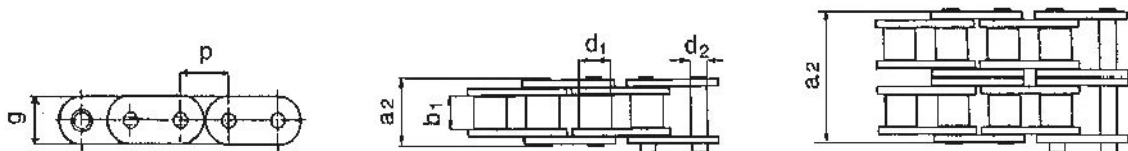
DOUBLE - STAINLESS STEEL

ISO N.	mm	P inch	b ₁ min. mm	d ₂ mm	d ₁ max. mm	a ² max. mm	g max. mm	e mm	f cm ²	kg/m =	ult. tensile strength N. min.
06B-2	9.525	3/8"	5.72	3.28	6.35	23.8	8.26	10.24	0.55	0.78	8.400
08B-2	12.7	1/2"	7.75	4.45	8.51	31.0	11.81	13.92	1.00	1.35	16.950
10B-2	15.875	5/8"	9.65	5.08	10.16	36.2	14.73	16.59	1.34	1.85	27.000
12B-2	19.05	3/4"	11.68	5.72	12.07	42.2	16.13	19.46	1.78	2.50	29.700
16B-2	25.4	1"	17.02	8.28	15,88	68.0	21.08	31.88	4.21	5.40	69

NICKEL - PLATED

ISO N.	mm	P inch	b ₁ mm. mm	d ₂ mm	d ₁ max. mm	a ² max. mm	g max. mm	f cm ²	kg/m =	ult. tensile strength N. min.
06B-1	9.525	3/8"	5.72	3.28	6.35	13.5	8.26	0.28	0.41	8.200
08B-1	12.7	1/2"	7.75	4.45	8.51	17.0	11.81	0.50	0.70	16.400
108-1	15.875	5/8"	9.65	5.08	10.16	19.6	14.73	0.67	0.95	20.500
12B-1	19.05	3/4"	11.68	5.72	12.07	22.7	16.13	0.89	1.25	26.500
16B-1	25.4	1"	17.02	8.28	15.88	36.1	21.08	2.10	2.70	52.500

STRAIGHT LINK PLATE CHAINS



STRAIGHT LINK PLATES

ISO N.	mm	P inch	b ₁ mm. mm	d ₂ mm	d ₁ max. mm	a ² max. mm	g max. mm	f cm ²	kg/m =	ult. tensile strength N. min.
08B-1	12.7	1/2"	7.75	4.45	8.51	17.0	11.81	0.50	0.80	17.000
108-1	15.875	5/8"	9.65	5.08	10.16	19.6	14.73	0.67	1.00	22.000
12B-1	19.05	3/4"	11.68	5.72	12.07	22.7	16.13	0.89	1.30	28.000
16B-1	25.4	1"	17.02	8-28	15.88	36.1	21.08	2.10	2.90	57.000
12B-2	19.05	3/4"	11.68	5.72	12.07	42.2	16.13	1.78	2.60	60.000

AS MODULATOR

H O L L O W P I N C H A I N S



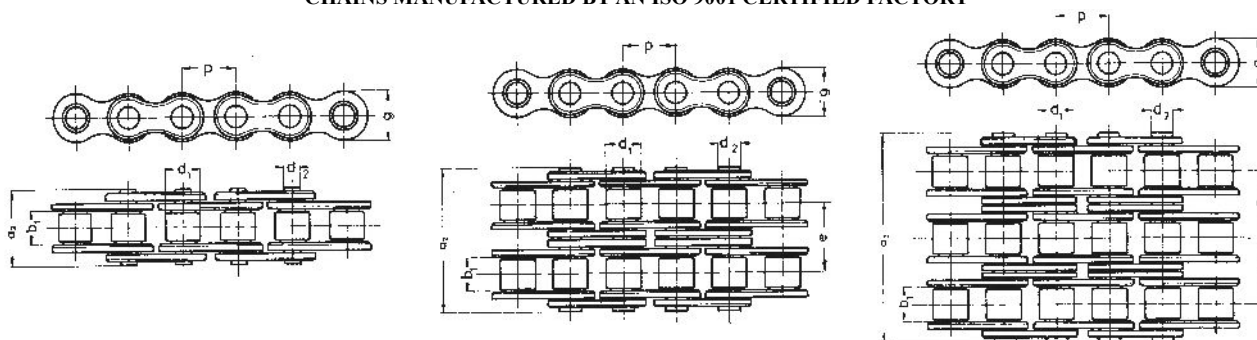
STRAIGHT LINK PLATES

REFERENCE No.	mm	P inch	b ₁ min. mm	d ₁ mm	a ² max. mm	F min. mm	g max. mm	f cm ²	kg/m =	ult. tensile strength N. mtn.
12B-44	12.7	1/2"	7.75	8.51	17.0	4.4	11.7	0.7	0.50	13.500
15B-51	15.875	5/8"	9.65	10.16	21.0	5.1	14.0	1.0	0,8	20.000

N.B. All the QRC® chains are subjected to 1 / 3 pre-tensioning compared with the minimum ultimate tensile strength to avoid elongation.

R C X ® - E U R O P E A N R O L L E R C H A I N S

CHAINS MANUFACTURED BY AN ISO 9001 CERTIFIED FACTORY



SINGLE

ISO N.	mm	P inch	b ₁ min. mm	d ₂ mm	d ₁ max. mm	a ² max. mm	g max. mm	f cm ²	kg/m =	ult. tensile strength N. min.
04-1	6	-	2.80	1.85	4.00	7.4	5.00	0.07	0.12	3.000
05B-1	8	-	3.00	2.31	5.00	8.6	7.11	0.11	0.18	5.000
06B-1	9.525	3/8"	5.72	3.28	6.35	13.5	8.26	0.28	0.41	9.000
08B-1	12.7	1/2"	7.75	4.45	8.51	17.0	11.81	0.50	0.70	18.000
10B-1	15.875	5/8"	9.65	5.08	10.16	19.6	14.73	0.67	0.95	23.500
12B-1	19.05	3/4"	11.68	5.72	12.07	22.7	16.13	0.89	1.25	29.400
16B-1	25.4	1"	17.02	8.28	15.88	36.1	21.08	2.10	2.70	66.700
20B-1	31.75	1" 1/4	19.56	10.19	19.05	43.2	26.42	2.95	3.60	96.000
24B-1	38.1	1" 1/2	25.40	14.63	25.40	53.4	33.40	5.54	6.70	160.000
32B-1	50.8	2"	30.99	17.81	29.21	67.4	42.29	8.11	10.50	257.800

DOUBLE

ISO N	mm	P inch	b ₁ min. mm	d ₂ mm	d ₁ max. mm	a ² max. mm	g max. mm	e mm	f cm ²	kg/m =	ult. tensile strength N. min.
05B-2	8	-	3.00	2.31	5.00	14.3	7.10	5.64	0.22	0.36	9.800
06B-2	9.525	3/8"	5.72	3.28	6.35	23.8	8.26	10.24	0.55	0.78	17.000
08B-2	12.7	1/2"	7.75	4.45	8.51	31.0	11.81	13.92	1.00	1.35	34.000
10B-2	15.875	5/8"	9.65	5.08	10.16	36.2	14.73	16.59	1.34	1.85	47.000
12B-2	19.05	3/4"	11.68	5.72	12.07	42.2	16.13	19.46	1.78	2.50	58.000
16B-2	25.4	1"	17.02	8.28	15.88	68.0	21.08	31.88	4.21	5.40	133.200
20B-2	31.75	1"1/4	19.56	10.19	19.05	79.7	26.42	35.45	5.91	7.20	192.000
24B-2	38.1	1"1/2	25.40	14.63	25.40	101.8	33.40	48.36	11.09	13.50	320.500

TRIPLE

ISO N.	Mm	P inch	b ₁ min. mm	d ₂ mm	d ₁ max. mm	a ² max. mm	g max. mm	e mm	f cm ²	kg/m =	Ult. tensile strength N. min.
06B-3	9.525	3/8"	5.72	3.28	6.35	34.0	8.26	10.24	0.83	1.2	26.400
08B-3	12.7	1/2"	7.75	4.45	8.51	44.9	11.81	13.92	1.50	2	49.000
10B-3	15.875	5/8"	9,65	5.08	10.16	52.8	14.73	16.59	2.02	2.8	70.000
12B-3	19.05	3/4"	11.68	5.72	12.07	61,7	16.13	19.46	2.68	3,8	88.000
16B-3	25.4	1 "	17.02	8.28	15.88	99.9	21.08	31.88	6.32	8.0	196.000

RCX® - STAINLESS STEEL EUROPEAN ROLLER CHAINS

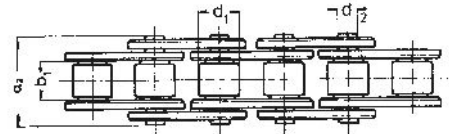
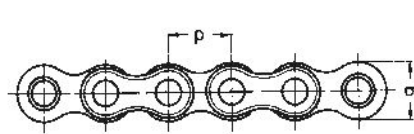
CHAINS MANUFACTURED BY AN ISO 9001 CERTIFIED FACTORY

ISO N.	P		SINGLE							
	mm	inch	b ₁	d ₂	d ₁	a ²	g	f	kg/m	ult. tensile strength N. mm.
			min. mm	mm	max. mm	max. mm	max. mm	cm ²	=	
06B-1	9.525	3/8"	5.72	3.28	6.35	13.5	8.26	0.28	0.41	5.800
08B-1	12.7	1/2"	7.75	4.45	8.51	17.0	11.81	0.50	0.70	10.700
10B-1	15.875	5/8"	9.65	5.08	10.16	19.6	14.73	0.67	0.95	14.700
12B-1	19.05	3/4"	11.68	5.72	12.07	22.7	16.13	0.89	1.25	18.600
16B-1	25.4	1"	17.02	8.28	15.88	36.1	21.08	2.10	2.70	45.000

ISO N.	P		DOUBLE								ult. tensile strengt N. mm.
	mm	inch	b ₁ min. mm	d ₂ mm	d ₁ max. mm	a ² max. mm	g max. mm	e mm	f cm ²	kg/m =	
06B-2	9.525	3/8"	5.72	3.28	6.35	23.8	8.26	10.24	0.55	0.78	11.500
08B-2	12.7	1/2"	7.75	4.45	8.51	31.0	11.81	13.92	1.00	1.35	21.200
10B-2	15.875	5/8"	9.65	5.08	10.16	36.2	14.73	16.59	1.34	1.85	29.300
12B-2	19.05	3/4"	11.68	5.72	12.07	42.2	16.13	19.46	1.78	2.50	37.000
16B-2	25.4	1"	17.02	8.28	15.88	68.0	21.08	31.88	4.21	5.40	79.800

RCX® - ANSI ROLLER CHAINS

CHAINS MANUFACTURED BY AN ISO 9001 CERTIFIED FACTORY



ANSI N.	P		SINGLE							
	mm	inch	b ₁	d ₂	d ₁	a ²	g	f	kg/m	ult. tensile strength N. min.
			min. mm	mm	max. mm	max. mm	max. mm	cm ²	=	
40-1	12.7	1/2"	7,95	3,96	7.92	17.8	12.07	0.44	0.61	16.600
50-1	15.875	5/8"	9.53	5.08	10.16	21.8	15.09	0.70	1.01	26.400
60-1	19.05	3/4"	12.7	5.94	11.91	26.9	18.08	1.06	1.47	37.200
80-1	25.4	1"	15.88	7.92	15.88	33.5	24.13	1.79	2.57	70.600
100-1	31.75	1"1/4	19.05	9.53	19.05	41.1	30.18	2.62	3.73	108.700
120-1	38.1	1"1/2	25.40	11.10	22.23	50.8	36.20	3.94	5.50	138.000

REINFORCED ANSI ROLLER CHAINS

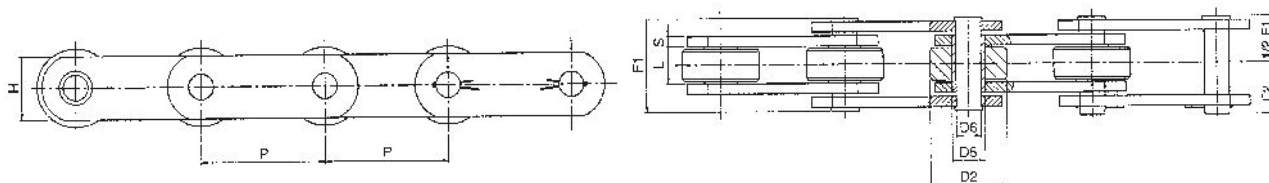
ANSI N.	P		SINGLE							
	mm	inch	b ₁ min. mm	d ₂ mm	d ₁ max. mm	a ² max. mm	g max. mm	f cm ²	kg/m	ult. tensile strength N. min.
60 H-1	19.05	3/4"	12.70	5.94	11.91	28.9	18.08	1.06	1.70	49.000
80 H-1	25.4	1"	15.88	7.92	15.88	36.5	24.13	1.79	2.90	84.800
100 H-1	31.75	1"1/4	19.05	9.53	19.05	42.9	30.18	2.62	4.40	122.600
120 H-1	38.1	1"1/2	25.40	11.11	22.22	54.1	36.19	4.00	6.20	160.500

N.B. All the RCX® chains are subjected to 1/3 pre-tensioning compared with the minimum ultimate tensile strength to avoid elongation.

AS MODUATOR

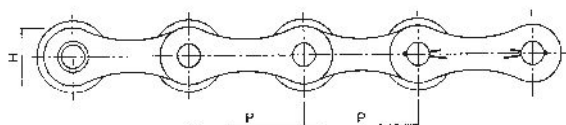
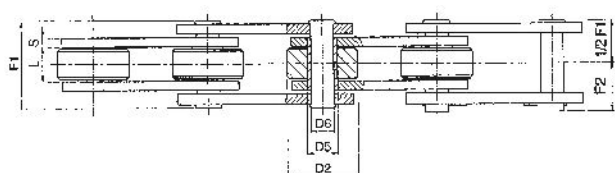
CRT® - CONVEYOR CHAINS

CHAINS MANUFACTURED BY AN ISO 9001 CERTIFIED FACTORY



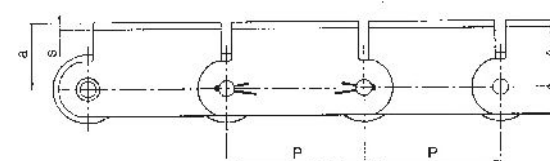
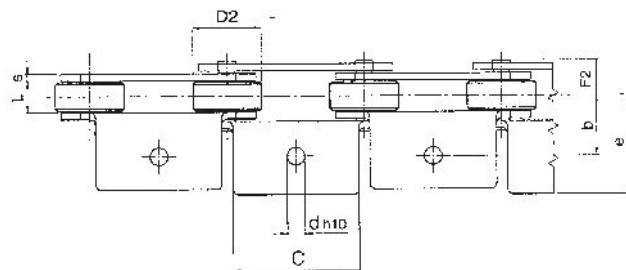
SOLID PINS TYPE

CHAIN	P mm	L mm	D2 mm	D5 mm	D6 mm	H mm	S mm	F1 mm	F2 mm	ult. tensile strength N. min.	chain weight Kg.m
1.1205	50	11.5	25	8.35	5.7	18	2.5	25.5	15.4	18.000	1.7
1.1206	50	11.5	25	11	8	20	3	28.8	16.5	22.000	1.9
1.1400	50	15	31	13.2	10	23	3	32.6	19.2	32.000	3
1.1500	50	15	31	13.2	10	25	4	36.6	20.7	40.000	3.9
1.1502	100	15	31	13.2	10	25	4	36.6	20.7	40.000	2.7
1.1703	100	22	40	17	12	35	4	44	25	75.000	4.9



SOLID PINS "B" TYPE

CHAIN	P mm	L mm	D2 mm	D5 mm	D6 mm	H mm	S mm	F1 mm	F2 mm	ult. tensile strength N. min.	chain weight Kg.m
1.1400 B	50	15	31	13.2	10	23	3	32.6	19.2	32.000	2.5



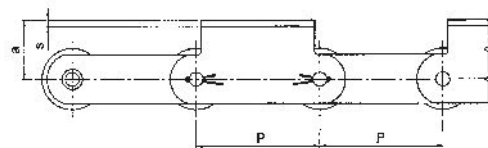
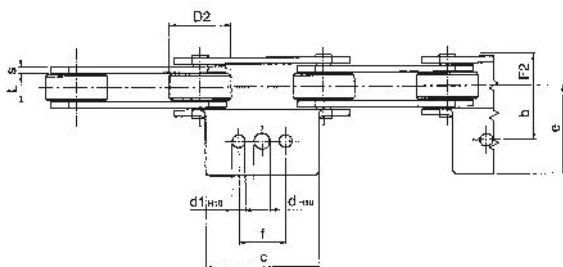
SOLID PINS

CHAIN	P mm	D2 mm	a mm	b mm	c mm	d mm	e mm	s mm	L mm	F2 mm	ult. tensile strength N. min.	chain weight Kg.
1.1205 Al- 01	50	25	24	22	46	6.5	36	2.5	11.5	12.75	18.000	0.035

AS MODUATOR

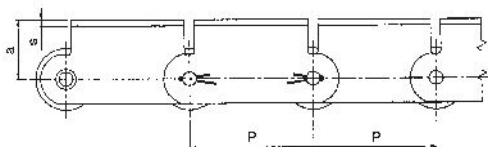
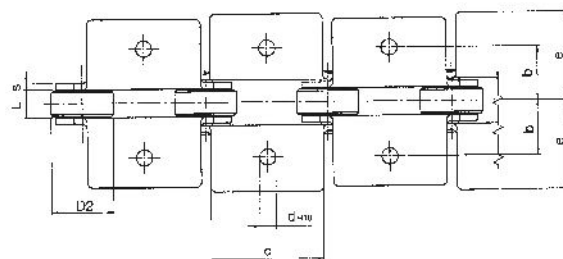
CRT® - CONVEYOR CHAINS

CHAINS MANUFACTURED BY AN ISO 9001 CERTIFIED FACTORY



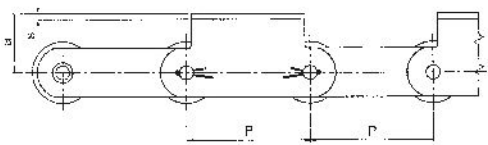
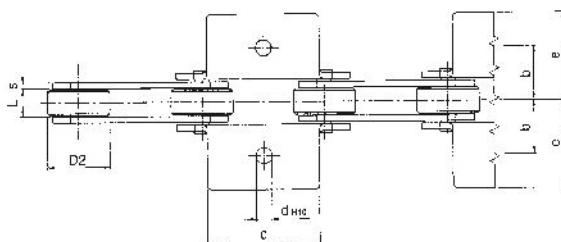
SOLID PINS TYPE WITH ATTACHMENTS

CHAIN	P mm	D2 mm	a mm	b mm	c mm	d mm	e mm	s mm	d1 mm	f mm	L mm	F2 mm	ult. tensile strength N. min.	chain weight Kg.
1.1205 AI -02	50	25	24	22	46	6.5	36	2.5			11.5	12.75	18.000	0.035
1.1400 AI -02	50	31	35	31	60	10.5	48.5	3	8.5	25	15	16.3	32.000	0.050
1.1500 AI -02	50	31	35	32	45	10.5	48	4	8.5	25	15	18.7	40.000	0.070



SOLID PINS TYPE WITH ATTACHMENTS

CHAIN	P mm	D2 mm	a mm	b mm	c mm	d mm	e mm	s mm	L mm	ult- tensile strength N. min.	chain weight Kg.
1.1205 K1-01	50	25	24	22	46	6.5	36	2.5	11.5	18.000	0.035

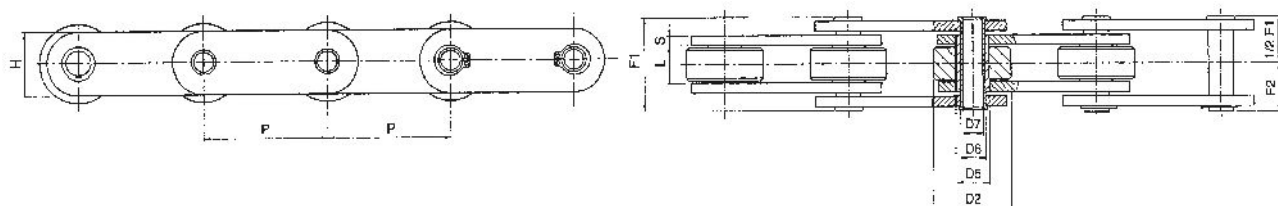


SOLID PINS TYPE WITH ATTACHMENTS

CHAIN	Pmm	D2mm	amm	bmm	cmm	mm	mm	mm	Lmm	ult. tensile strength N. min.	chain weight Kg.
1.1 205 K1-02	50	25	24	22	46	6.5	36	2.5	11.5	18.000	0.035

CRT® - CONVEYOR CHAINS

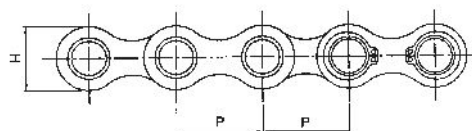
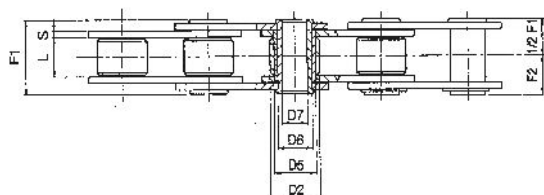
CHAINS MANUFACTURED BY AN ISO 9001 CERTIFIED FACTORY



HOLLOW PINS TYPE

CHAIN	P mm	L mm	D2 mm	D5 mm	D6 mm	D7 mm	H mm	S mm	F1 mm	F2 mm	ult. tensile strength N. mm.	chain weight Kg.m
1.2250	50	11.5	25	11	9	6.2	20	2.5	26	14.5	30.000	1.8
*1.2250 SS	50	11.5	25	11	9	6.2	20	2.5	26	14.5	20.000	1.8
1.2400	50	15	31	17	14	10.2	25	3	31	17.5	35.000	3.0
1.2500	50	15	31	17	14	10.2	25	4	35	19.5	40.000	3.6
1.2501	75	15	31	17	14	10.2	25	4	35	19.5	40.000	3.1
1.2502	100	15	31	17	14	10.2	25	4	35	19.5	40.000	2.6

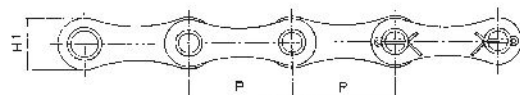
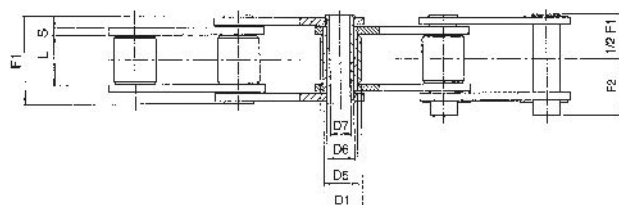
* Inox



HOLLOW PINS TYPE

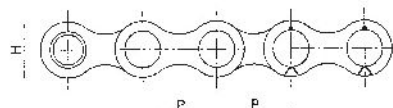
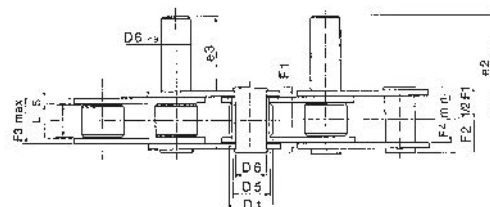
CHAIN	P mm	L mm	D2 mm	D5 mm	D6 mm	D7 mm	H mm	S mm	F1 mm	F2 mm	ult. tensile strength N. min.	chain weight Kg.m
*1.3520Z	35	16	20	17	14	10.2	26	2.5	30	16.7	25.000	2.2
1.3520R	35	16	20	17	14	10.2	26	2.5	30	16.7	37.000	2.2

* Galvanise



HOLLOW PINS TYPE - GALVANISED

CHAIN	P mm	L mm	D2 mm	D5 mm	D6 mm	D7 mm	H1 mm	S mm	F1 mm	F2 mm	ult. tensile strength N. min.	chain weight Kg.m
1.1260Z	41.75	20.5	17	13.8	11	8.3	21.4	3	36	22.7	27.000	1.5

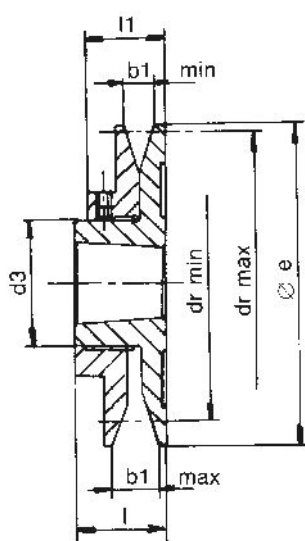


EXTENDED PINS - GALVANISED

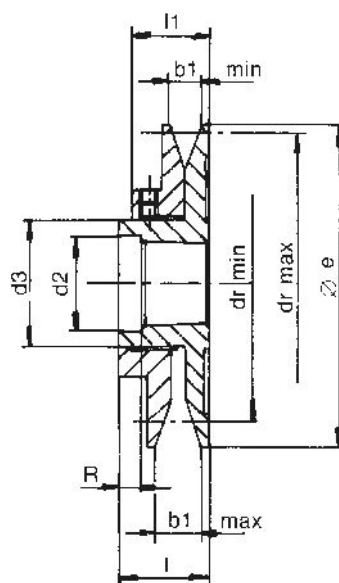
CHAIN	P mm	L mm	D2 mm	D5 mm	D6 mm	e2 mm	H mm	S mm	F1 mm	F2 mm	e3 mm	F3 max mm	F4 min mm	ult. tensile strength N. min.	chain weight Kg.m
1,3521Z	35	16	20	13	10	48.5	26	2.5	31	19	35	21	21.5	35.000	2.8

N.B. All the CRT' chains are subjected to 1/3 pre-tensioning compared with the minimum ultimate tensile strength to avoid elongation.

ADJUSTABLE PHOSPHATED TAPER-LOCK® PULLEYS FOR V-BELTS



EXECUTION 1



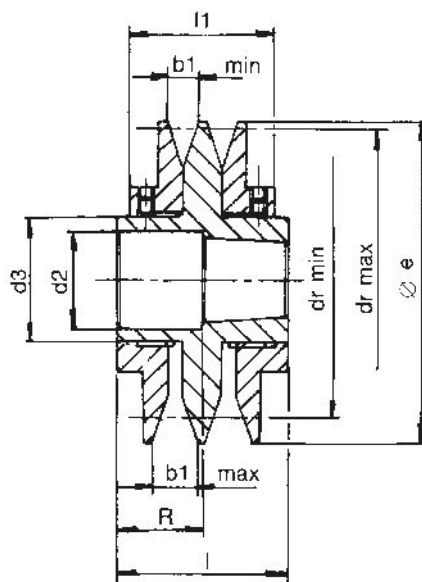
EXECUTION 2

MATERJAL: C40 STEEL - UNI 7845

PULLEY TYPE	Exec.	No. of Races	Bush	Øe	I	I ₁	b ₁		d _r		d ₂	d ₃	R	Cup dowels UNI 5929	Belt cross-section	Weight Kg.
PRB - 93	2	1	1108	93	36.5	29	min.	max.	min.	max.	39	50	13.5	No. 4	Z 10x6	0.86
									59	85				M6x6	A 13x8	
PRB - 108	1	1	1215	108	38	30.5	13	20.5	68	92	-	60	-	No. 4	Z 10x6	1.18
									70	100				M6x6	A 13x8	
									75	93					SPZ	
									76	102					SPA	
PRB - 120	1	1	1215	120	38	30.5	13	20.5	80	104	-	60	-	No. 4	Z 10x6	1.46
									82	112				M6x6	A 13x8	
									87	105					SPZ	
									88	114					SPA	
PRB - 138	1	1	1615	138	38	30.5	13	20.5	98	122	-	74	-	No. 4	Z 10x6	2.00
									100	130				M6x6	A 13x8	
									105	123					SPZ	
									106	132					SPA	
PRB- 160	2	1	1615	160	45	35.5	17	26.5	108	138	58	74	6.5	No. 4	A 13x8	3.04
									112	150				M8x8	B 17x11	
									114	140					SPA	
									117	153					SPB	
PRB - 180	2	1	2012	180	45	35.5	17	26.5	128	158	71	90	12.5	No. 4	A 13x8	3.80
									132	170				M8x8	B 17x11	
									134	160					SPA	
									137	173					SPB	
PRB - 200	2	1	2012	200	45	35.5	17	26.5	149	177	71	90	12.5	No. 4	A 13x8	4.75
									152	190				M8x8	B 17x11	
									155	179					SPA	
									159	193					SPB	

ADJUSTABLE PHOSPHATED TAPER-LOCK

PULLEYS FOR V-BELTS

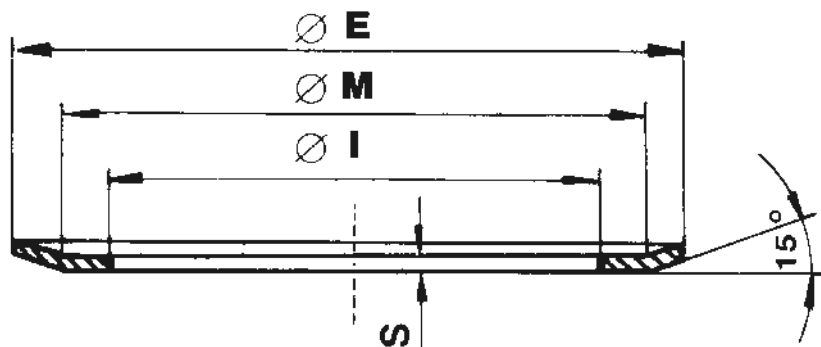


EXECUTION 3

MATERIAL: C 40 STEEL - UNI 7845

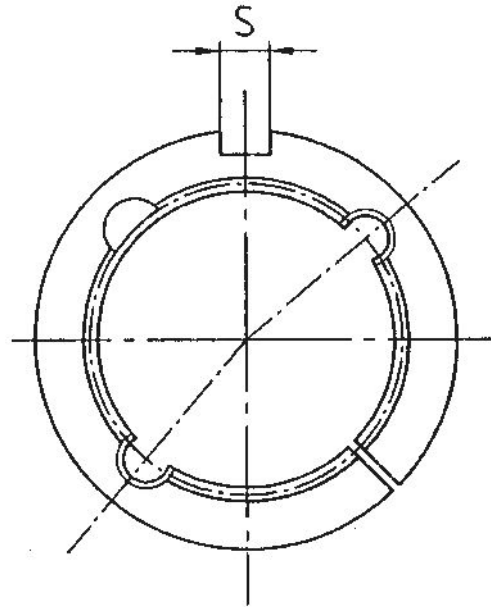
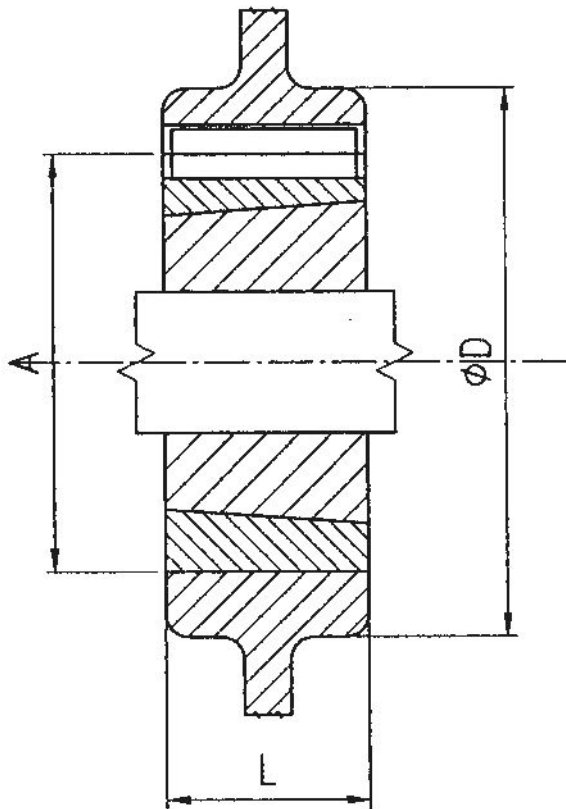
PULLEY TYPE	Exec.	No. of Races	Bush	Øe	I	I ₁	b ₁ min.	b ₁ max.	d _r min.	d _r max.	d ₂	d ₃	R	Cup dowels UNI 5929	Belt cross-section	Weight Kg.
PRB2 - 108	3	2	1215	108	73	58	13	20.5	68	92	48.5	60	34.5	No. 8	Z 10x6	2.14
									70	100				M6x6	A13x8	
									75	93					SPZ	
									76	102					SPA	
PRB2 - 120	3	2	1215	120	73	58	13	20.5	80	104	48.5	60	34.5	No. 8	Z 10x6	2.65
									82	112				M6x6	A13x8	
									87	105					SPZ	
									88	114					SPA	
PRB2 - 138	3	2	1615	138	73	58	13	20.5	98	122	58.5	74	34.5	No. 8	Z 10x6	3.60
									100	130				M6x6	A 13x8	
									105	123					SPZ	
									106	132					SPA	
PRB2 - 160	3	2	1615	160	87	68	17	26.5	108	138	58.5	74	48.5	No. 8	A 13x8	5.60
									112	150				M8x8	B 17x11	
									114	140					SPA	
									117	153					SPB	
PRB2 - 180	3	2	2012	180	87	68	17	26.5	128	158	71	90	54	No. 8	A 13x8	7.15
									132	170				M8x8	B 17x11	
									134	160					SPA	
									137	173					SPB	
PRB2 - 200	3	2	2012	200	87	68	17	26.5	149	177	71	90	54	No. 8	A 13x8	8.92
									152	190				M8x8	B 17x11	
									155	179					SPA	
									159	193					SPB	

FLANGE DIMENSIONS FOR PULLEYS



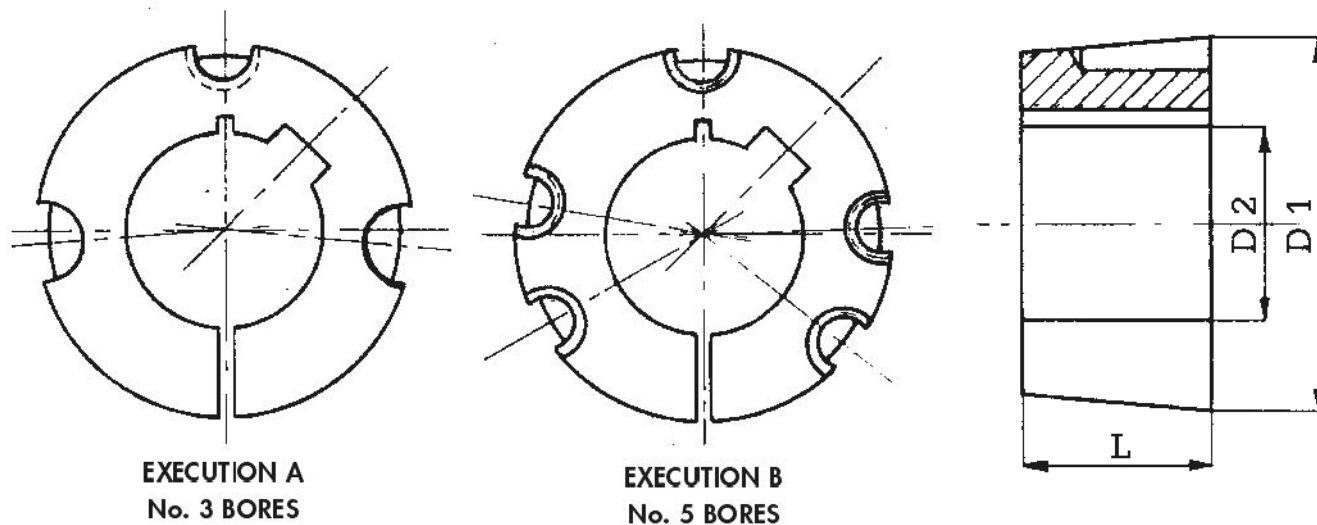
Flange No.	Thickness "S"=0.5mm			Flange No.	Thickness "S"=1mm			Flange No.	Thickness "S"=1.5mm			Flange No.	Thickness "S"=2.5mm		
	ØE	ØI	ØM		ØE	ØI	ØM		ØE	ØI	ØM		ØE	ØI	ØM
501	13	6	10	1	23	12.5	18	50	37	25	33	150			
502	15	8	12	2	25	15	21.5	51	39	28	34.5	151			
503	16	9.5	13	3	19.5	12	17.5	52	43	31	39	152			
504	17.5	11.6	14.5	4	28	17.8	24	53	60	47	57	153	128	107	124
505	20	12.2	16.5	5	32	20	26	54	48	37	42	154	138	112	131
506	25	14.5	21.5	6	32	23	27.5	55	51	38.5	45	155	140	107	125
507	26	17.8	24	7	35	23	30.5	56	54	43	48	156	146	107	133
508	28	20	25	8	36	25	31	57	57	46	51	157	155	107	139
509	32	23	27.5	9	38	26.5	34	58	60	48	54.2	158	160	120	148
510	36	25	31	10	41	30	36	59	64	47	57	159	170	120	153
511	38	26.5	34	11	48	37	43.5	60	66.5	53	60.2	160	154	122	142
512	22	14.5	19	12	44	32.5	40.5	61	70	53	64	161	184	135	168
513	42	30.5	38	13	42	30.5	38	62	75	57	68	162	188	150	176
514	44	32.5	40.5	14	23	14	20	63	79	60	72.5	163	198	150	180
515	51	40	47	15	39	28	34.5	64	82.5	64	76	164	205	160	189
516	17.5	10.5	14.5	16	51	40	47	65	86	68	81.5	165	212	162	200
517	23	14	20	17				66	91	73	86	166	160	130	150
518	25	15	21.5	18	54	43	50.5	67	94	76	88	167	227	176	210
519	39	28	34.5	19				68	97	79	92	168	168	135	162
520	48	37	43.5	20	57	47	51.5	69	66	52	61.5	169	240	192	224
				21	60	47	57	70	102	82.5	97	170	256	220	240
				22	61	49	56.5	71	106	86	100	171	160	136	150
				23	64	47	57	72	112	91	105.5	172	183	145	170
				24	66.5	52	63	73	83	68	76.5	173	267	220	240
				25	71	56	64	74	115	94	109	174	188	160	177
				26	70	53	66.5	75	120	99.5	112.5	175	211	173	198
				27	75	60	68.5	76	87	72	82.5	176			
				28				77	106	90	101	177	297	249	280
				29	83	68	78	78	128	107	121	178	290	230	260
				30				79	75	60	70.5	179			
				31	87	72	82.5	80	135	115	128.5	180	226	190	214
				32	91	76	85.5	81	142	120	137	181			
				33	93	80	89	82	82.5	67	76	182	256	225	247
				34				83	44	32.5	40.5	183			
				35	102	83	93.8	84				184	296	260	287
				36				85	150	130	145				
				37				86	158	138.5	153				
				38	106	90	101	87							
				39				88							
				40				89							
				41				90	168	148	161				
				42				91							
				43	119	103	113.5	92							
				44				93							
				45				94	180	154	174				
				46				95	184	162	177				
				47	131	115	125.5	96	192	165	181.5				
								97	192	173	187				
								98							
								99							
								100	200	180	193				

T A P E R B U S H E S A D A P T E R S



Adapter Type	Bush No.	L	A	Hub minimum Ø D		S
				Cast Iron	Steel	
A-CH 1008	1008	22	45	75	60	5 x 5
A-CH 1210	1210	25	60	105	85	6 x 6
A-CH 1610	1610	25	70	115	95	10 x 8
A-CH 1615	1615	38	70	115	95	10 x 8
A-CH 2517	2517	45	105	150	130	16 x 10
A-CH 3030	3030	76	130	190	160	20 x 12
A-CH 3535	3535	90	160	240	200	22 x 12
A-CH 4040	4040	102	185	290	240	24 x 12

" R C B " ® T A P E R B U S H E S

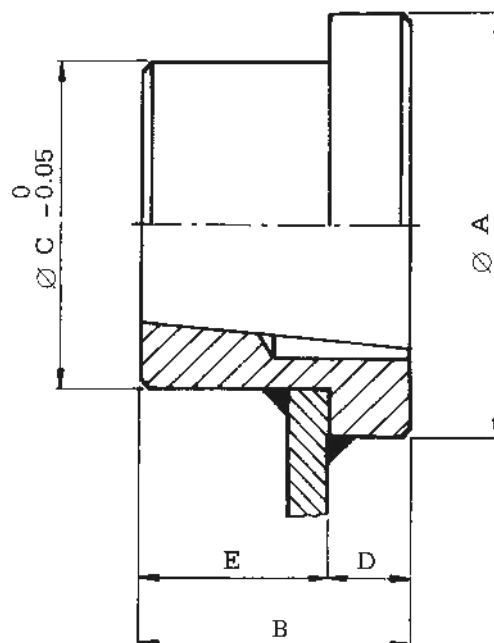


METRIC RANGE: BORES in mm. ISO G7 – Slots in compliance with DIN. 6885 - JS9							
Bush Type	EXEC.	L	D1	Only pilot bore D2 H8	D2 Bore	B.S.W. screws	Tightening torque in N/m
1008	A	22	35	8	10-2-14-16-18-19-20-22-24-25	1/4"x1/2"	5.6
1108	A	22	38	12	14-19-20-24-25	1/4"x1/2"	5.6
1210	A	25	47.5	12	14-16-18-19-20-24-25-28-30-32	3/8"x5/8"	19.6
1215	A	38	47.5	12	14-19-20-24-25-28	3/8"x5/8"	19.6
1610	A	25	57	12	14-16-19-20-24-25-28-30-32-35-38-40-42	3/8"x5/8"	19.6
1615	A	38	57	12	19-20-22-24-25-28-30-32-35-38-40	3/8"x5/8"	19.6
2012	A	32	70	16	19-20-24-25-28-30-32-35-38-40-42-45-48-50	7/16"x7/8"	30.4
2517	A	45	85.5	15	19-20-24-25-28-30-32-35-38-40-42-45-48-50-55-60-65	1/2"x1"	48
3020	A	51	108	20	28-30-32-35-38-40-42-45-48-50-55-60-65-70-75	5/8"x1"1/4	90
3030	A	76	108	30	38-42-45-48-50-55-60	5/8"x1"1/2	90
3525	B	65	127	30	38-40-42-45-48-50-55-60-65-70-75-80	1/2"x1"1/2	113
3535	B	89	127	30	40-42-45-48-50-55-60-65-70-75-80-85-90	1/2"x1"1/2	113
4030	B	76	146	30	40-42-45-48-50-55-60-65-70-75-80-90	5/8"x1"1/2	169
4040	B	102	146	35	50-55-60-65-70-75-80-85-90-95	5/8"x1"3/4	169
4535	B	89	162	30	65-70-75-80-85-90-95-100-110-120	3/4"x2"	192
4545	B	115	162	35	65-70-75-80-85-90-95-100-110	3/4"x2"	192
5040	B	102	177,6	50	70-75-80-85-90-100-110-120-125	7/8"x2"1/4	272
5050	B	127	177,6	50	70-75-80-85-90-95-100-110-115-120-125	7/8"x2"1/4	272

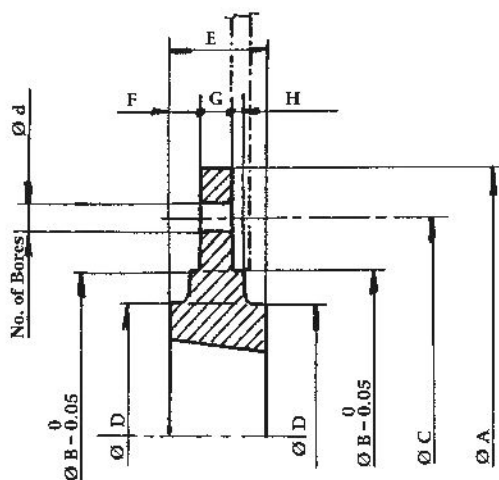
WELDABLE HUBS FOR TAPER-LOCK® BUSH

MATERIAL: Fe 50

TYPE	BUSH	ØA	B	ØC	D	E
MS. T. L. 1210	1210	70	25	65	9	16
MS. T. L. 1610	1610	80	25	75	9	16
MS. T. L. 2012	2012	95	32	90	12	20
MS. T. L. 2517	2517	115	45	110	19	26
MS. T. L. 3020	3020	145	51	140	19	32
MS. T. L. 3030	3030	145	76	140	19	57
MS. T. L. 3525	3525	190	65	180	25	40
MS. T. L. 3535	3535	190	89	180	25	64
MS. T. L. 4040	4040	200	102	190	32	70
MS. T. L. 4545	4545	220	115	205	38	77
MS. T. L. 5050	5050	240	127	220	38	89



TAPER HUBS



TYPE	BUSH	ØA	ØB	CAST IRON		E	F	G	H	No. of bores	Ød
				ØC	ØD						
MSM T.L. Ø120	1210	120	80	100	70	25	9	7.5	2.5	6	7.5
MSM T.L. Ø130	1610	130	90	110	80	25	9	7.5	2.5	6	7.5
MSM T.L. Ø145	2012	145	115	125	95	32	12	9.5	2.5	6	9.5
MSM T.L. Ø185	2517	185	130	155	115	45	19	12.5	2.5	6	11.5
MSM T.L. Ø220	3020	220	165	190	145	51	19	12.5	2.5	6	13.5

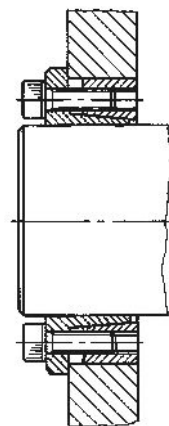
TYPE	BUSH	ØA	ØB	CAST IRON — (*) STEEL		E	F	G	H	No. of bores	Ød
				ØC	ØD						
MSM T.L. Ø180	1210	180	90	135	75	25	9-25	6.5	2.5	6	7.5
MSM T.L. Ø200	1615	200	110	150	85	38	15.3	7.5	2.5	6	7.5
MSM T.L. Ø270	2012	270	140	190	110	32	11.8	8.5	2.5	6	9.5
MSM T.L. Ø340	25 17	340	170	240	125	45	17.8	9.5	2.5	8	11.5
MSM T.L. Ø430	3020	430	220	300	160	51	18.8	13.5	2.5	8	13.5
(*)MSM T.L. Ø485	3020	485	250	340	160	51	18.8	13.5	2.5	8	13.5

AS MODULATOR

SELF-CENTRING RCK 15 TYPE



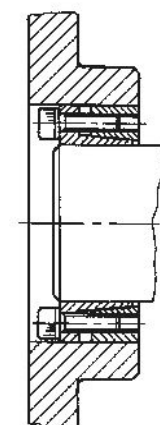
Suitable for assemblies where axial and radial positioning accuracy is required with medium-high torque values. The main feature is the possibility of varying the internal bores while maintaining the external dimensions constant at only three diameters.



SELF-CENTRING RCK 13 TYPE



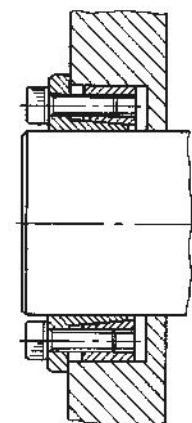
Suitable for assemblies where good concentricity is required in small spaces with medium-high torque values. Can substitute RCK 40 in some cases.



SELF-CENTRING RCK 16 TYPE



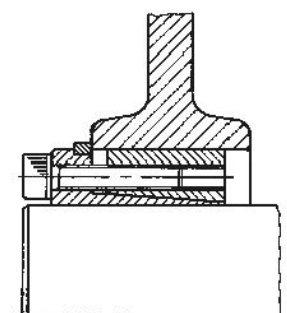
Suitable for assemblies where concentricity and positioning accuracy is required. Operates with medium-high torque values.



SELF-CENTRING RCK 70/71 TYPE (RCK 70 WITH SPACES)



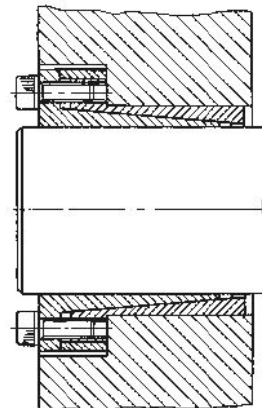
The RCK 70 version is suitable for assemblies where concentricity and orthogonal positioning of the parts is required.
The RCK 71 version has the same features as RCK 70 with the addition of a spacer ring to completely avoid possible axial displacements.
These components operate with medium-high torque values.



SELF-CENTRING RCK 80 TYPE



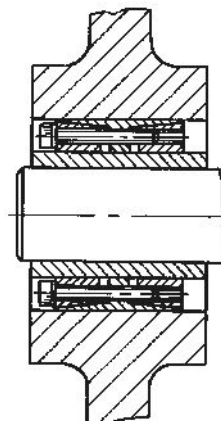
Suitable for assemblies on hubs with thin walls guarantees both axial and radial positioning precision with medium transmission torque values.



SELF-CENTRING RCK 11 TYPE



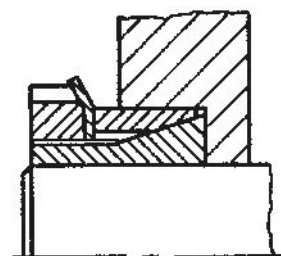
Suitable for assemblies where special, even heavy-duty conditions are required, achieving maximum friction clam-ping results. Incorporates the best features of all the models presented. Operates with very high torque values.



SELF-CENTRING RCK 55 TYPE



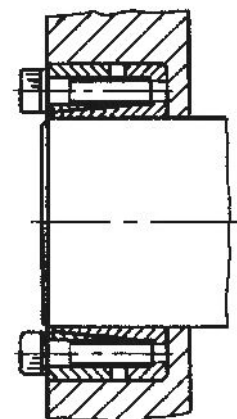
Suitable for assemblies where limited overall dimensions and times are required. Operates with medium-low torque values.



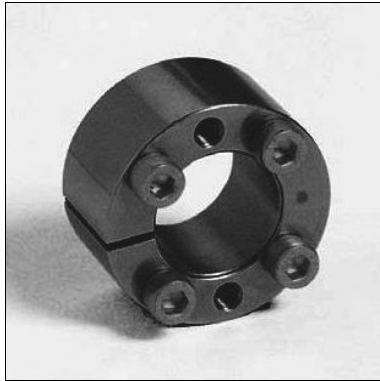
SELF-CENTRING RCK 60 TYPE



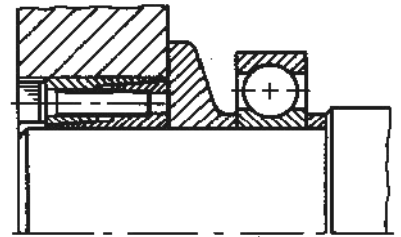
Suitable for assemblies where a medium-high twisting moment is required. Operates in the opposite mode to RCK 13.



SELF-CENTRING RCK 61 TYPE



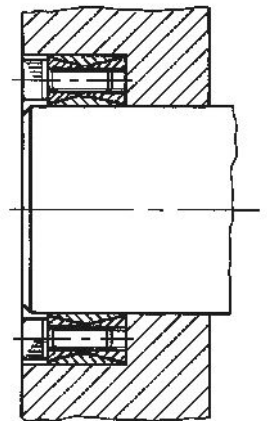
Enables adjacent components to be clamped to the hub thanks to an axial force achieved during the clamping phase.
Operates with medium torque values.



RCK 40 TYPE



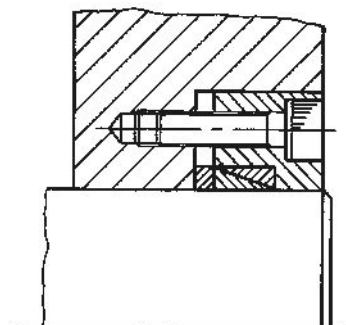
Suitable for general applications, is not self-centring and therefore requires a centring band to ensure perfect con-centricity.
Operates with medium-high torque values.



RCK 50 TYPE



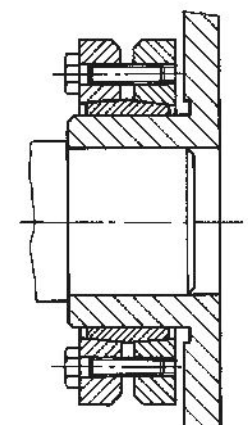
Comprising two tapered rings, must always be mounted with a tightening flange.
Operates with low torque values; not self-centring.



RCK 19 TYPE



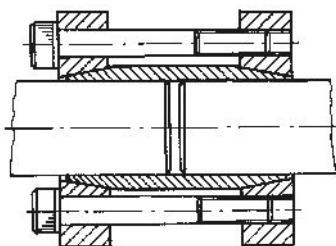
Suitable for hollow shafts, operates by compressing the hollow shafts on the solid shaft enabling transmission of medium-high twisting moments to be achieved.



RCK 95 TYPE



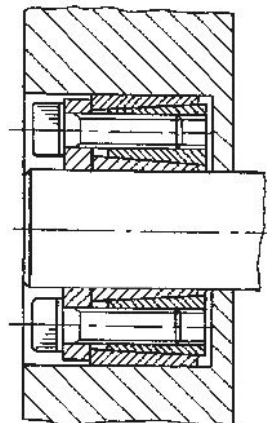
Enables rigid connection between two aligned shafts. Transmits medium-high twisting moments with the advantage of enabling rapid assembly and disassembly.



RCK 45 TYPE



Suitable for applications where medium-low twisting moments are required, with easy rapid assembly and disassembly. Not self-centring.

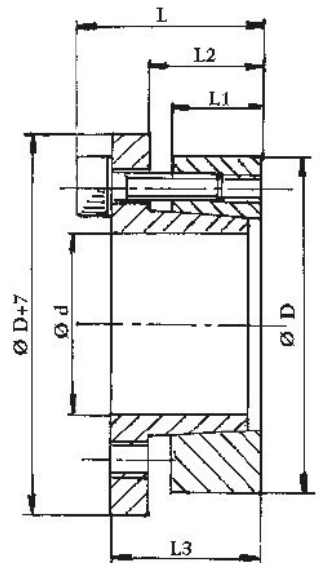


SELF - CENTRING RCK 15 TYPE CLAMPING ELEMENTS

N.B. The recommended machining tolerances
for the pressure surfaces are as follows:
h8 for Shaft
H8 for Hub

ORDERING EXAMPLE:

The following will be ordered with a shaft
having Ød 40 with a torque value less than or
equal to 1.030 Nm: RCK 15 – 40x65.



RCK 15

DIMENSIONS						PRESSURES			Clamping Screws DIN 912 MAT. 12.9			Extraction Thread	
Ød	ØD	L1	L2	L3	L	Torque Mt Nm	Shaft N/mm ²	Hub N/mm ²	No.	Type	Torque Nm	Type	No.
14	55	17	22	31	39	290	458	118	4	M8x25	41	M8	2
16	55	17	22	31	39	320	400	118	4	M8x25	41	M8	2
18	55	17	22	31	39	360	356	118	4	M8x25	41	M8	2
19	55	17	22	31	39	380	337	118	4	M8x25	41	M8	2
20	55	17	22	31	39	400	320	118	4	M8x25	41	M8	2
22	55	17	22	31	39	440	290	118	4	M8x25	41	M8	2
24	55	17	22	31	39	480	265	118	4	M8x25	41	M8	2
25	55	17	22	31	39	500	255	118	4	M8x25	41	M8	2
28	55	17	22	31	39	560	228	118	4	M8x25	41	M8	2
30	55	17	22	31	39	600	213	118	4	M8x25	41	M8	2
24	65	17	22	31	39	620	332	122	5	M8x25	41	M8	3
25	65	17	22	31	39	640	320	122	5	M8x25	41	M8	3
28	65	17	22	31	39	720	285	122	5	M8x25	41	M8	3
30	65	17	22	31	39	770	267	122	5	M8x25	41	M8	3
32	65	17	22	31	39	820	250	122	5	M8x25	41	M8	3
33	65	17	22	31	39	850	235	122	5	M8x25	41	M8	3
35	65	17	22	31	39	900	228	122	5	M8x25	41	M8	3
38	65	17	22	31	39	980	210	122	5	M8x25	41	M8	3
40	65	17	22	31	39	1030	200	122	5	M8x25	41	M8	3
30	80	20	25	33	41	1080	315	120	7	M8x25	41	M8	3
32	80	20	25	33	41	1150	298	120	7	M8x25	41	M8	3
33	80	20	25	33	41	1200	282	120	7	M8x25	41	M8	3
35	80	20	25	33	41	1260	272	120	7	M8x25	41	M8	3
38	80	20	25	33	41	1370	250	120	7	M8x25	41	M8	3
40	80	20	25	33	41	1440	238	120	7	M8x25	41	M8	3
42	80	20	25	33	41	1510	226	120	7	M8x25	41	M8	3
45	80	20	25	33	41	1620	212	120	7	M8x25	41	M8	3
48	80	20	25	33	41	1730	198	120	7	M8x25	41	M8	3
50	80	20	25	33	41	1800	190	120	7	M8x25	41	M8	3
40	80	20	25	33	41	2150	340	169	10	M8x25	41	M8	4
45	80	20	25	33	41	2420	302	169	10	M8x25	41	M8	4
50	80	20	25	33	41	2700	272	169	10	M8x25	41	M8	4

SELF - CENTRING RCK 13 TYPE CLAMPING ELEMENTS

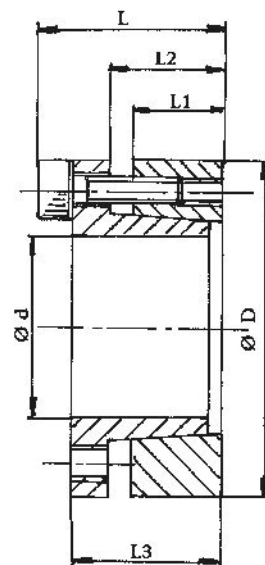
N.B. The recommended machining tolerances
for the pressure surfaces are as follows:

h8 for Shaft

H8 for Hub

ORDERING EXAMPLE:

The following will be ordered with a shaft
having Ød 30 with a torque value less than or
equal to 660 Nm: RCK 13 – 30x55.



RCK 13

Ød	ØD	DIMENSIONS				Torque Mt Nm	PRESSURES		Clamping Screws DIN 912 MAT. 12.9			Extraction Thread	
		L1	L2	L3	L		shaft N/mm ²	Hub N/mm ²	No.	Type	Torque Nm	Type	No.
18	47	17	22	28	34	310	314	120	5	M6x20	14	M6	3
19	47	17	22	28	34	330	300	120	5	M6x20	14	M6	3
20	47	17	22	28	34	380	295	125	5	M6x20	14	M6	3
22	47	17	22	28	34	410	270	125	5	M6x20	14	M6	3
24	50	17	22	28	34	440	243	120	6	M6x20	14	M6	3
25	50	17	22	28	34	560	285	140	6	M6x20	14	M6	3
28	55	17	22	28	34	630	255	130	6	M6x20	14	M6	3
30	55	17	22	28	34	660	235	130	6	M6x20	14	M6	3
32	60	17	22	28	34	960	295	155	8	M6x20	14	M6	4
35	60	17	22	28	34	1050	270	155	8	M6x20	14	M6	4
38	65	17	22	28	34	1140	250	145	8	M6x20	14	M6	4
40	65	17	22	28	34	1200	235	145	8	M6x20	14	M6	4
45	75	20	25	33	41	2180	290	170	7	M8x25	35	M8	3
50	80	20	25	33	41	2430	260	160	7	M8x25	35	M8	3
55	85	20	25	33	41	3070	270	175	8	M8x25	35	M8	4
60	90	20	25	33	41	3350	245	165	8	M8x25	35	M8	4
65	95	20	25	33	41	4080	255	175	9	M8x25	35	M8	3
70	110	24	30	40	50	6280	280	180	8	M10x30	70	M10	4
75	115	24	30	40	50	6680	260	170	8	M10x30	70	M10	4
80	120	24	30	40	50	7130	250	160	8	M10x30	70	M10	4
85	125	24	30	40	50	8480	260	180	9	M10x30	70	M10	3
90	130	24	30	40	50	9080	250	170	9	M10x30	70	M10	3
95	135	24	30	40	50	10580	260	180	10	M10x30	70	M10	4
100	145	26	32	44	56	13380	270	190	8	M12x35	125	M12	4
110	155	26	32	44	56	14580	240	180	8	M12x35	125	M12	4
120	165	26	32	44	56	17880	250	180	9	M12x35	125	M12	4
130	180	34	40	52	64	29980	240	170	12	M12x35	125	M12	6
140	190	34	40	54	68	26980	210	150	9	M14x40	190	M14	4
150	200	34	40	54	68	32980	230	170	10	M14x40	190	M14	5
160	210	34	40	54	68	37980	230	170	11	M14x40	190	M14	4
170	225	44	50	64	78	44980	180	130	12	M14x40	190	M14	6
180	235	44	50	64	78	46980	170	130	12	M14x40	190	M14	6

SELF - CENTRING RCK 16 TYPE CLAMPING ELEMENTS

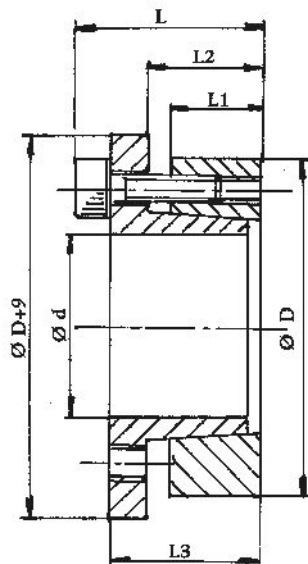
N.B. The recommended machining tolerances
for the pressure surfaces are as follows:

h8 for Shaft

H8 for Hub

ORDERING EXAMPLE:

The following will be ordered with a shaft
having Ød 75 with a torque value less than or
equal to 5.000 Nm: RCK 16 - 75x115.



RCK 16														
DIMENSIONS						PRESSURES			Clamping Screws DIN 912 MAT. 12.9			Extraction Thread		No.
Ød	ØD	L1	L2	L3	L	Torque Mt Nm	Shaft N/mm²	Hub N/mm²	No.	Type	Torque Nm	Type	No.	
18	47	17	22	28	34	260	240	93	5	M6x20	17	M6	3	
19	47	17	22	28	34	270	230	93	5	M6x20	17	M6	3	
20	47	17	22	28	34	280	220	95	5	M6x20	17	M6	3	
22	47	17	22	28	34	300	200	95	5	M6x20	17	M6	3	
24	50	17	22	28	34	400	215	107	6	M6x20	17	M6	3	
25	50	17	22	28	34	420	210	105	6	M6x20	17	M6	3	
28	55	17	22	28	34	470	190	96	6	M6x20	17	M6	3	
30	55	17	22	28	34	500	180	95	6	M6x20	17	M6	3	
32	60	17	22	28	34	720	220	115	8	M6x20	17	M6	4	
35	60	17	22	28	34	790	200	115	8	M6x20	17	M6	4	
38	65	17	22	28	34	850	185	105	8	M6x20	17	M6	4	
40	65	17	22	28	34	900	175	105	8	M6x20	17	M6	4	
45	75	20	25	33	41	1620	215	125	7	M8x25	41	M8	3	
50	80	20	25	33	41	1820	195	120	7	M8x25	41	M8	3	
55	85	20	25	33	41	2300	200	130	8	M8x25	41	M8	4	
60	90	20	25	33	41	2500	185	125	8	M8x25	41	M8	4	
65	95	20	25	33	41	3050	190	130	9	M8x25	41	M8	3	
70	110	24	30	40	50	4660	210	135	8	M10x30	83	M10	4	
75	115	24	30	40	50	5000	195	125	8	M10x30	83	M10	4	
80	120	24	30	40	50	5300	185	125	8	M10x30	83	M10	4	
85	125	24	30	40	50	6350	195	135	9	M10x30	83	M10	3	
90	130	24	30	40	50	6760	185	130	9	M10x30	83	M10	3	
95	135	24	30	40	50	7900	195	135	10	M10x30	83	M10	4	
100	145	26	32	44	56	9700	200	140	8	M12x35	145	M12	4	
110	155	26	32	44	56	10600	180	130	8	M12x35	145	M12	4	
120	165	26	32	44	56	13000	185	135	9	M12x35	145	M12	4	
130	180	34	40	52	64	18900	175	125	12	M12x35	145	M12	6	
140	190	34	40	54	68	20600	165	120	9	M14x40	230	M14	4	
150	200	34	40	54	68	25100	175	130	10	M14x40	230	M14	5	
160	210	34	40	54	68	29100	180	135	11	M14x40	230	M14	4	
170	225	44	50	64	78	34100	140	105	12	M14x40	230	M14	6	
180	235	44	50	64	78	36100	135	105	12	M14x40	230	M14	6	

SELF - CENTRING RCK 70 TYPE CLAMPING ELEMENTS

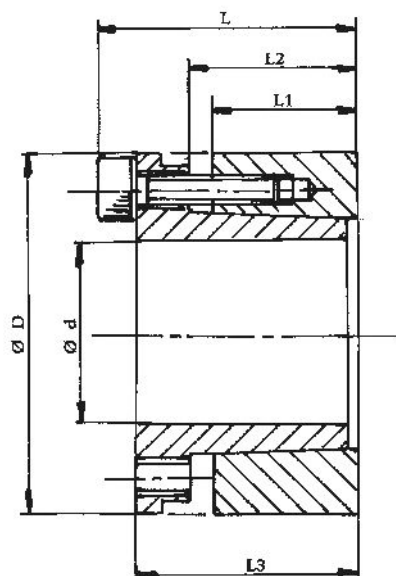
N.B. The recommended machining tolerances for the pressure surfaces are as follows:

h8 for Shaft

H8 for Flub

ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 48 with a torque value less than or equal to 2.510 Nm: RCK 70 – 48x80.



RCK 70

Ød	ØD	DIMENSIONS				Torque Mt Nm	PRESSURES		Clamping Screws DIN 912 MAT. 12.9			Extraction Thread	
		L1	L2	L3	L		Shaft N/mm ²	Hub N/mm ²	No.	Type	Torque Nm	Type	No.
19	47	26	31	39	45	350	228	98	4	M6x25	17	M6	2
20	47	26	31	39	45	390	231	100	4	M6x25	17	M6	2
22	47	26	31	39	45	440	220	95	4	M6x25	17	M6	2
24	50	26	31	39	45	519	215	102	6	M6x25	17	M6	3
25	50	26	31	39	45	590	230	105	6	M6x25	17	M6	3
28	55	26	31	39	45	700	220	110	6	M6x25	17	M6	3
30	55	26	31	39	45	760	200	120	6	M6x25	17	M6	3
32	60	26	31	39	45	930	230	114	8	M6x25	17	M6	4
35	60	26	31	39	45	1030	200	119	8	M6x25	17	M6	4
38	65	26	31	39	45	1240	210	124	8	M6x25	17	M6	4
40	65	26	31	39	45	1350	200	125	8	M6x25	17	M6	4
42	75	30	36	47	55	2170	236	140	6	M8x30	41	M8	3
45	75	30	36	47	55	2350	236	140	6	M8x30	41	M8	3
48	80	30	36	47	55	2510	218	135	6	M8x30	41	M8	3
50	80	30	36	47	55	2580	218	135	6	M8x30	41	M8	3
55	85	30	36	47	55	3200	223	145	8	M8x30	41	M8	4
60	90	30	36	47	55	3380	198	157	8	M8x30	41	M8	4
65	95	30	36	47	55	4160	213	140	8	M8x30	41	M8	4
70	110	40	46	57	67	6840	225	143	8	M10x35	83	M10	4
75	115	40	46	62	72	7500	210	138	8	M10x35	83	M10	4
80	120	40	46	62	72	8100	200	130	B	M10x35	83	M10	4
85	125	40	46	62	72	9700	210	145	10	M10x35	83	M10	4
90	130	40	46	62	72	10300	200	138	10	M10x35	83	M10	4
95	135	40	46	62	72	12100	210	148	10	M10x35	83	M10	4
100	145	46	52	77	89	15700	216	148	8	M12x45	145	M12	4
110	155	46	52	77	89	17200	196	139	8	M12x45	145	M12	4
120	165	46	52	77	89	22500	216	156	10	M12x45	145	M12	4
130	180	46	52	77	89	24000	196	140	12	M12x45	145	M12	4
140	190	51	59	84	90	30800	196	145	8	M14x45	230	M14	4
150	200	51	59	84	90	37150	205	153	10	M14x45	230	M14	5
160	210	51	59	84	90	40500	205	155	10	M14x45	230	M14	5
170	225	51	59	84	90	40900	163	123	12	M14x45	230	M14	6
180	235	51	59	84	90	41300	160	120	12	M14x45	230	M14	6

SELF - CENTRING RCK 71 TYPE CLAMPING ELEMENTS

(RCK 70 with spacer)

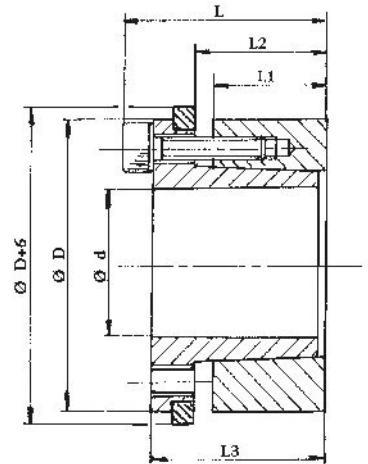
N.B. The recommended machining tolerances for the pressure surfaces are as follows:

h8 for Shaft

H8 for Hub

ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 30 with a torque value less than or equal to 650 Nm: RCK 71 – 30x55.



RCK 71

Ød	ØD	DIMENSIONS				Torque Mt Nm	PRESSURES		Clamping Screws DIN 912 MAT. 12.9			Extraction Thread	
		L1	L2	L3	L		Shaft N/mm ²	Hub N/mm ²	No.	Type	Torque Nm	Type	No.
19	47	26	31	39	45	300	228	98	4	M6x25	17	M6	2
20	47	26	31	39	45	320	231	98	4	M6x25	17	M6	2
22	47	26	31	39	45	370	211	99	4	M6x25	17	M6	2
24	50	26	31	39	45	430	220	110	6	M6x25	17	M6	3
25	50	26	31	39	45	480	226	113	6	M6x25	17	M6	3
28	55	26	31	39	45	590	207	108	6	M6x25	17	M6	3
30	55	26	31	39	45	650	226	121	6	M6x25	17	M6	3
32	60	26	31	39	45	800	201	117	8	M6x25	17	M6	4
35	60	26	31	39	45	860	206	121	8	M6x25	17	M6	4
38	65	26	31	39	45	1030	201	124	8	M6x25	17	M6	4
40	65	26	31	39	45	1130	239	146	8	M6x25	17	M6	4
42	75	30	36	47	55	1930	221	138	6	M8x30	41	M8	3
45	75	30	36	47	55	1950	221	138	6	M8x30	41	M8	3
48	80	30	36	47	55	2180	226	145	6	M8x30	41	M8	3
50	80	30	36	47	55	2210	226	146	6	M8x30	41	M8	3
55	85	30	36	47	55	2730	226	146	8	M8x30	41	M8	4
60	90	30	36	47	55	2910	201	134	8	M8x30	41	M8	4
65	95	30	36	47	55	3570	211	145	8	M8x30	41	M8	4
70	110	40	46	57	67	5830	226	145	8	M10x35	83	M10	4
75	115	40	46	62	72	6330	221	151	8	M10x35	83	M10	4
80	120	40	46	62	72	6840	202	142	8	M10x35	83	M10	4
85	125	40	46	62	72	8160	221	161	10	M10x35	83	M10	4
90	130	40	46	62	72	8670	201	146	10	M10x35	83	M10	4
95	135	40	46	62	72	10200	191	141	10	M10x35	83	M10	4
100	145	46	52	77	89	13600	201	151	8	M12x45	145	M12	4
110	155	46	52	77	89	14870	201	182	8	M12x45	145	M12	4
120	165	46	52	77	89	19460	221	162	10	M12x45	145	M12	4
130	180	46	52	77	89	20820	202	146	12	M12x45	145	M12	4
140	190	51	59	84	90	25410	192	141	8	M14x45	230	M14	4
150	200	51	59	84	90	30720	202	152	10	M14x45	230	M14	5
160	210	51	59	84	90	33150	202	152	10	M14x45	230	M14	5
170	225	51	59	84	90	34000	161	121	12	M14x45	230	M14	6
180	235	51	59	84	90	34250	157	122	12	M14x45	230	M14	6

SELF - CENTRING RCK 80 TYPE CLAMPING ELEMENTS

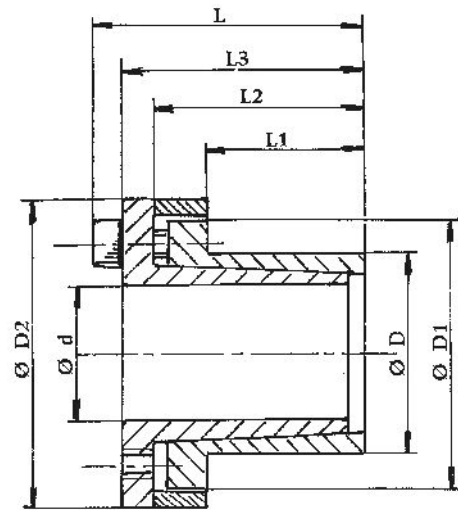
N.B. The recommended machining tolerances
for the pressure surfaces are as follows:

h8 for Shaft

H8 for Hub

ORDERING EXAMPLE:

The following will be ordered with a shaft
having Ød 95 with a torque value less than or
equal to 11000 Nm: RCK 80 – 95x120.



RCK 80

DIMENSIONS								Torque Mt Nm	PRESSURES		Clamping Screws DIN 912 MAT. 12.9			Extraction Thread	
Ød	ØD	ØD1	ØD2	L1	L2	L3	L		Shaft N/mm ²	Hub N/mm ²	No.	Type	Torque Nm	Type	No.
6	14	23	25	10	18.5	22.5	25.5	12	190	80	3	M3 x 10	2.2	M3	2
8	15	24	27	12	21.5	25.5	29.5	29	205	110	3	M4 x 12	5	M4	2
9	16	25	28	14	23.5	27.5	31.5	31	150	85	3	M4 x 12	5	M4	2
10	16	25	28	14	23.5	27.5	31.5	35	140	85	3	M4 x 12	5	M4	2
11	18	28	32	14	23.5	27.5	31.5	52	170	105	4	M4 x 12	5	M4	2
12	18	28	32	14	23.5	27.5	31.5	58	150	100	4	M4 x 12	5	M4	2
14	23	35	39	14	23.5	27.5	31.5	69	140	80	4	M4 x 12	5	M4	2
15	24	40	45	16	29.5	36.5	42.5	170	158	98	4	M6 x 18	17	M6	2
16	24	40	45	16	29.5	36.5	42.5	180	148	98	4	M6 x 18	17	M6	2
17	26	42	47	19	32.5	39.5	45.5	200	180	125	4	M6 x 18	17	M6	2
18	26	42	47	19	32.5	39.5	45.5	200	180	125	4	M6 x 18	17	M6	2
19	27	43	49	19	32.5	39.5	45.5	210	170	120	4	M6 x 18	17	M6	2
20	28	44	50	19	32.5	39.5	45.5	220	160	115	4	M6 x 18	17	M6	2
22	32	48	54	26	39.5	46.5	52.5	250	115	80	4	M6 x 18	17	M6	2
24	34	50	56	26	39.5	46.5	52.5	395	146	102	6	M6 x 18	17	M6	3
25	34	50	56	26	39.5	46.5	52.5	410	140	102	6	M6 x 18	17	M6	3
28	39	55	61	25.5	39.5	46.5	52.5	465	135	98	6	M6 x 18	17	M6	3
30	41	57	62	25.5	39.5	46.5	52.5	510	127	90	6	M6 x 18	17	M6	3
32	43	59	65	25.5	39.5	46.5	52.5	705	146	108	8	M6 x 18	17	M6	4
35	47	62	69	31.5	45.5	52.5	58.5	790	105	80	8	M6 x 18	17	M6	4
38	50	66	72	31.5	45.5	52.5	58.5	860	100	76	8	M6 x 18	17	M6	4
40	53	69	75	31.5	45.5	52.5	58.5	900	96	72	8	M6 x 18	17	M6	4
42	55	71	78	31.5	45.5	52.5	58.5	940	90	70	8	M6 x 18	17	M6	4
45	59	80	86	45	62.5	71	79	1840	110	85	8	M8 x 22	41	M8	4
48	62	81	87	45	62.5	71	79	2000	105	80	8	M8 x 22	41	M8	4
50	65	86	92	45	62.5	71	79	2100	100	75	8	M8 x 22	41	M8	4
55	71	92	98	55	72.5	81	89	2580	85	65	9	M8 x 22	41	M8	3
60	77	98	104	55	72.5	81	89	2800	75	60	9	M8 x 22	41	MB	3
65	84	105	111	55	72.5	81	89	3050	70	55	9	M8 x 22	41	M8	3
70	90	113	119	65	86.5	96.5	106.5	5250	90	70	9	M10 x 25	83	M10	3
75	95	119	126	65	86.5	96.5	106.5	5600	80	65	9	M10 x 25	83	M10	3
80	100	125	131	65	86.5	96.5	106.5	8000	100	80	12	M10 x 25	83	M10	4
85*	106	131	137	65	86.5	96.5	106.5	8500	95	75	12	M10 x 25	83	M10	4
90	112	137	144	65	86.5	96.5	106.5	9000	90	75	12	M10 x 25	83	M10	4
95*	120	142	149	65	86.5	96.5	106.5	11000	100	80	14	M10 x 25	83	M10	4
100	125	147	154	65	86.5	96.5	106.5	15000	120	95	18	M10 x 25	83	M10	4
110	140	172	180	90	114	128	140	16000	80	65	12	M12 x 35	154	M12	4
120	155	187	198	90	114	128	140	17500	70	55	12	M12 x 35	145	M12	4

* = manufactured on request

SELF - CENTRING RCK 11 TYPE CLAMPING ELEMENTS

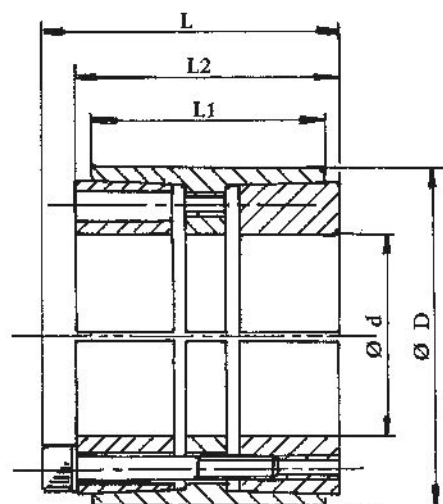
N.B. The recommended machining tolerances for the pressure surfaces are as follows:

h8 for Shaft

H8 for Hub

ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 45 with a torque value less than or equal to 3.200 Nm: RCK 11 – 45x75.



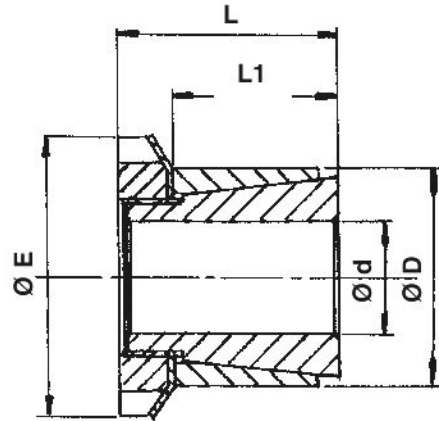
DIMENSIONS					PRESSURES			Clamping Screws DIN 912 MAT. 12.9			Extraction Thread	
Ød	ØD	L1	L2	L	Torque Mt Nm	shaft N/mm ²	Hub N/mm ²	No.	Type	Torque Nm	Type	No.
25	55	32	40	46	840	295	134	6	M6x35	17	M6	3
28	55	32	40	46	940	264	134	6	M6x35	17	M6	3
30	55	32	40	46	1000	246	134	6	M6x35	17	M6	3
35	60	44	54	60	1360	174	101	7	M6x45	17	M6	3
38	75	44	54	62	2740	296	150	7	M8x50	41	M8	3
40	75	44	54	62	2880	281	150	7	M8x50	41	M8	3
42	75	44	54	62	3030	268	150	7	M8x50	41	M8	3
45	75	44	54	62	3240	250	150	7	M8x50	41	M8	3
48	80	44	54	62	3950	207	124	8	M8x50	41	M8	3
50	80	56	64	72	4150	200	98	8	M8x50	41	M8	3
55	85	56	64	72	5150	205	104	9	M8x50	41	M8	3
60	90	56	64	72	6200	202	106	10	M8x50	41	M8	4
65	95	56	64	72	6750	187	100	10	M8x50	41	M8	4
70	110	70	78	88	11500	223	114	10	M10x60	83	M10	4
75	115	70	78	88	12300	223	114	10	M10x60	83	M10	4
80	120	70	78	88	14500	215	115	11	M10x60	83	M10	4
85	125	70	78	88	15400	215	115	12	M10x60	83	M10	5
90	130	70	78	88	17800	208	115	12	M10x60	83	M10	5
95	135	70	78	88	18700	208	115	12	M10x60	83	M10	5
100	145	90	100	112	26300	200	107	11	M12x80	145	M12	4
110	155	90	100	112	31800	198	110	12	M12x80	145	M12	5
120	165	90	100	112	40400	212	120	14	M12x80	145	M12	5
130	180	104	116	130	51500	192	112	12	M14x90	230	M14	5
140	190	104	116	130	64700	208	124	14	M14x90	230	M14	7
150	200	104	116	130	74200	208	127	15	M14x90	230	M14	6
160	210	104	116	130	84500	208	128	16	M14x90	230	M14	7
170	225	134	148	164	108200	182	113	14	M16x110	355	M16	6
180	235	134	148	164	123250	184	115	15	M16x110	355	M16	7
190	250	134	148	164	133800	186	116	16	M16x110	355	M16	7
200	260	134	148	164	146000	177	112	16	M16x110	355	M16	7
220	285	134	148	164	181000	188	115	18	M16x110	355	M16	8
240	305	134	148	164	218000	184	119	20	M16x110	355	M16	9
260	325	134	148	164	250000	178	117	21	M16x110	355	M16	10
280	355	165	177	197	360000	185	117	18	M20x130	690	M20	8
300	375	165	177	197	428000	192	123	20	M20x130	690	M20	9

SELF - CENTRING RCK 55 TYPE CLAMPING ELEMENTS

N.B. The recommended machining tolerances
for the pressure surfaces are as follows:
h8 for Shaft
H8 for Hub

ORDERING EXAMPLE:

The following will be ordered with a shaft
having Ød 30 with a torque value less than or
equal to 270 Nm: RCK 55 – 30x40.



DIMENSIONS					RCK 55 PRESSURES			Ring nut		Extraction	
Ød	ØD	OE	L1	L	Torque Mt Nm	Shaft N/mm ²	Hub N/mm ²	Type	Thread	Tightening Torque Nm	Thread Type
14	25	32	23	31	65	80	45	KM4	M20x1	95	MB4
15	25	32	23	31	70	80	45	KM4	M20x1	95	MB5
18	30	38	24	33	100	75	45	KM5	M25x1.5	160	MB5
19	30	38	24	33	105	75	45	KM5	M25x1.5	160	MB5
20	30	38	24	33	112	70	45	KM5	M25x1.5	160	MB5
24	35	45	29	38	178	65	45	KM6	M30x1.5	220	MB6
25	35	45	29	38	185	60	45	KM6	M30x1.5	220	MB6
28	40	52	34	44	250	55	40	KM7	M35x1.5	340	MB7
30	40	52	34	44	270	50	40	KM7	M35x1.5	340	MB7
35	45	58	34	45	390	55	45	KM8	M40x1.5	480	MB8
40	50	65	35	46	520	55	45	KM9	M45x1.5	680	MB9
45	55	70	35	47	680	60	50	KM10	M50x1.5	870	MB10
50	60	75	36	48	880	60	50	KM11	M55x2	970	MB11
55	65	80	36	48	1030	60	50	KM12	M60x2	970	MB12
60	70	85	36	50	1360	65	55	KM13	M65x2	1300	MB13

SELF - CENTRING RCK 60 TYPE CLAMPING ELEMENTS

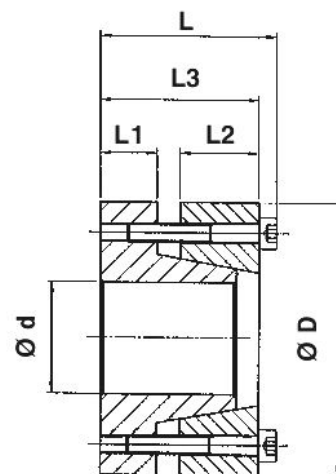
N.B. The recommended machining tolerances for the pressure surfaces are as follows:

h8 for Shaft

H8 for Hub

ORDERING EXAMPLE:

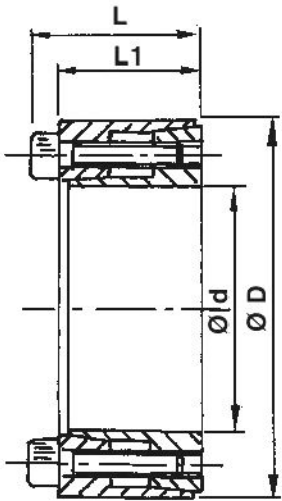
The following will be ordered with a shaft having Ød 30 with a torque value less than or equal to 480 Nm: RCK 60 – 30x55.



RCK 60														
DIMENSIONS						PRESSURES				Clamping Screws DIN 912 MAT. 12.9			Extraction Thread	
Ød	ØD	L1	L2	L3	L	Torque Mt Nm	Axial force N	Shaft N/mm ²	Hub N/mm ²	No.	Type	Torque Nm	Type	No.
20	47	10	14	28	34	245	29400	210	93	5	M6x25	17	M6	3
22	47	10	14	28	34	265	30000	196	93	5	M6x25	17	M6	3
24	50	10	14	28	34	370	32300	215	108	6	M6x25	17	M6	3
25	50	10	14	28	34	390	33300	210	108	6	M6x25	17	M6	3
30	55	10	14	28	34	480	41200	186	98	6	M6x25	17	M6	3
35	60	10	14	28	34	735	44100	186	108	8	M6x25	17	M6	4
38	65	10	14	28	34	790	46100	206	103	8	M6x25	17	M6	4
40	65	10	14	28	34	830	47000	186	103	8	M6x25	17	M6	4
42	75	12	18	35	43	1450	66000	225	132	7	M8x30	41	M8	4
45	75	12	18	35	43	1560	70000	220	132	7	M8x30	41	M8	4
50	80	12	18	35	43	1650	72000	206	127	7	M8x30	41	M8	4
55	85	12	18	35	43	2250	80000	210	132	8	M8x30	41	M8	4
60	90	12	18	35	43	2450	83000	186	122	8	M8x30	41	M8	4
65	95	12	18	35	43	2890	90000	200	132	9	M8x30	41	M8	3
70	110	16	24	46	56	4700	130000	220	140	8	M10x40	83	M10	4

S E L F - C E N T R I N G R C K 6 1
T Y P E C L A M P I N G E L E M E N T S

N.B. The recommended machining tolerances for the pressure surfaces are as follows:
h8 for Shaft
H8 for Hub
ORDERING EXAMPLE:
The following will be ordered with a shaft having Ød 15 with a torque value less than or equal to 4.0 Nm: RCK 61 - 1 5x28.



RCK 61											
DIMENSIONS				PRESSURES			Clamping Screws DIN 912 MAT. 12.9			Extraction Thread	
Ød	ØD	L1	L	Torque Mt Nm	Shaft N/mm²	Hub N/mm²	No.	Type	Torque Nm	Type	No.
10	20	13	15.5	15	110	55	4	M2.5x12	1.2	M2.5	2
12	22	13	15.5	20	90	50	4	M2.5x12	1.2	M2.5	2
14	26	17	20	35	105	55	4	M3x16	2.1	M3	2
15	28	17	20	40	100	50	4	M3x16	2.1	M3	2
16	32	17	21	70	130	65	4	M4x16	4.9	M4	2
18	35	21	25	80	115	60	4	M4x20	4.9	M4	2
19	35	21	25	85	110	60	4	M4x20	4.9	M4	2
20	38	21	26	220	220	115	6	M5x20	9.7	M5	3
22	40	21	26	240	200	110	6	M5x20	9.7	M5	3
24	47	26	32	380	220	110	6	M6x25	16.2	M6	3
25	47	26	32	390	210	110	6	M6x25	16.2	M6	3

RCK40 TYPE CLAMPING ELEMENTS

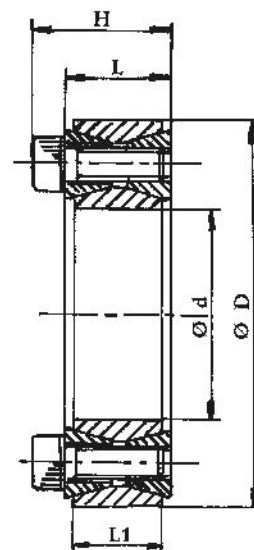
N.B. The recommended machining tolerances for the pressure surfaces are as follows:

h 9 for Shaft

H 9 for Flub

ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 75 with a torque value less than or equal to 4.900 Nm: RCK 40 - 75x115.



RCK 40												
DIMENSIONS					Torque Mt Nm	PRESSURES		Clamping Screws DIN 912 MAT. 12.9			Extraction Thread	
Ød	ØD	L1	L	H		Shaft N/mm²	Hub N/mm²	No.	Type	Torque Nm	Type	No.
19	47	17	20	28	255	220	90	8	M6x18	14	MB	2
20	47	17	20	28	270	210	90	8	M6x18	14	M8	2
22	47	17	20	28	300	195	90	8	M6x18	14	MB	2
24	50	17	20	28	360	195	95	9	M6x18	14	M8	3
25	50	17	20	28	380	190	95	9	M6x18	14	MB	3
28	55	17	20	28	500	187	96	10	M6x18	14	M8	4
30	55	17	20	28	530	176	96	10	M6x18	14	M8	4
32	60	17	20	28	630	192	105	12	M6x18	14	M8	4
35	60	17	20	28	700	180	105	12	M6x18	14	M8	4
38	65	17	20	28	860	183	107	14	M6x18	14	M8	4
40	65	17	20	28	910	180	110	14	M6x18	14	M8	4
42	75	20	24	34	1500	226	125	12	M8X22	35	M10	4
45	75	20	24	34	1610	210	125	12	M8X22	35	M10	4
48	80	20	24	34	1700	196	115	12	M8X22	35	M10	4
50	80	20	24	34	1770	190	115	12	M8X22	35	M10	4
55	85	20	24	34	2270	200	130	14	M8X22	35	M10	4
60	90	20	24	34	2470	180	120	14	M8X22	35	M10	4
65	95	20	24	34	3040	190	130	16	M8X22	35	M12	4
70	110	24	28	40	4600	210	130	14	M10x25	70	M12	4
75	115	24	28	40	4900	195	125	14	M10x25	70	M12	4
80	120	24	28	40	5200	180	120	14	M10x25	70	M12	4
85	125	24	28	40	6300	195	130	16	M10x25	70	M12	4
90	130	24	28	40	6600	180	125	16	M10x25	70	M12	4
95	135	24	28	40	7900	195	135	18	M10x25	70	M12	4
100	145	26	33	47	9600	195	135	14	M12x30	125	M14	4
110	155	26	33	47	10500	180	125	14	M12x30	125	M14	4
120	165	26	33	47	13100	185	135	16	M12x30	125	M14	4
130	180	34	38	52	17600	165	115	20	M12x35	125	M14	4
140	190	34	38	52	20900	165	125	22	M12x35	125	M14	4
150	200	34	38	52	24200	170	125	24	M12x35	125	M14	4
160	210	34	38	52	28000	170	130	26	M12x35	125	M14	4
170	225	38	44	60	32800	160	120	22	M14x40	190	M16	4
180	235	38	44	60	37800	165	125	24	M14x40	190	M16	4
190	250	46	52	68	46500	150	115	28	M14x45	190	M16	4
200	260	46	52	68	52500	150	115	30	M14x45	190	M16	5
220	285	50	56	74	68000	150	115	26	M16x50	295	M18	3

RCK50 TYPE CLAMPING ELEMENTS

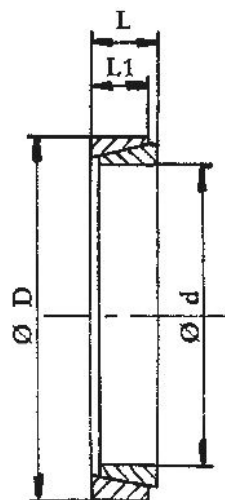
N.B. The recommended machining tolerances for the pressure surfaces are as follows:

Up to Ød 38 mm: h9 for Shaft - H7 for Hub

Greater than Ød 40 mm: h8 for Shaft - H8 for Hub

ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 24 with a torque value less than or equal to 73 Nm: RCK 50 – 24x28.



RCK 50

DIMENSIONS				PRESSURES			
Ød	ØD	L1	L	Necessary force Kg	Torque Mt Nm	Shaft N/mm²	Hub N/mm²
*6	9	3.7	4.5	380	2.4	115	75
*7	10	3.7	4.5	390	3	105	70
*8	11	3.7	4.5	530	4.7	120	90
9	12	3.7	4.5	1560	7.9	140	105
10	13	3.7	4.5	1560	9.5	135	105
12	15	3.7	4.5	1560	11.4	115	90
13	16	3.7	4.5	1560	13.1	110	90
14	18	5.3	6.3	2540	22.3	115	90
15	19	5.3	6.3	2540	24.3	110	85
16	20	5.3	6.3	2540	27.3	105	85
17	21	5.3	6.3	2540	29.8	105	85
18	22	5.3	6.3	2540	32.4	100	80
19	24	5.3	6.3	3600	49	140	110
20	25	5.3	6.3	3600	53	135	105
22	26	5.3	6.3	3600	66	135	115
24	28	5.3	6.3	3600	73	130	110
25	30	5.3	6.3	3600	72	115	95
28	32	5.3	6.3	3600	86	115	100
30	35	5.3	6.3	3600	91	100	85
32	36	5.3	6.3	4500	131	130	115
35	40	6	7	5400	171	125	110
36	42	6	7	5400	169	115	100
38	44	6	7	5400	181	110	95
40	45	6.6	8	6600	231	115	105
42	48	6.6	8	6600	235	110	95
45	52	8.6	10	9900	353	105	95
48	55	8.6	10	13200	572	155	135
50	57	8.6	10	13200	602	150	130
55	62	8.6	10	13200	670	140	125
56	64	10.4	12	15720	790	130	115
60	68	10.4	12	15720	860	125	110
63	71	10.4	12	15720	910	120	105
65	73	10.4	12	15720	950	115	100
70	79	12.2	14	20960	1380	125	110
75	84	12.2	14	20960	1450	115	100
80	91	15	17	29000	2200	125	105

*Slitting

RCK19 STANDARD TYPE CLAMPING ELEMENTS

N.B. The recommended machining tolerances for the pressure surfaces are as follows:

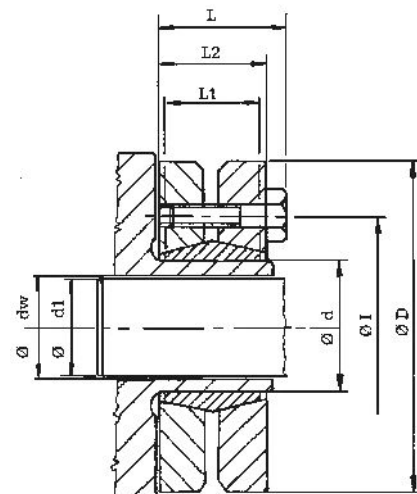
Diameter Ød h 8

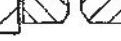
IMPORTANT:

The internal cones are lubricated using products based on Molybdenum Bi sulphide.

ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 36 with a torque value less than or equal to 440 Nm: RCK 19 – 36x72.



RCK 19												
DIMENSIONS								PRESSURES		Clamping Screws DIN 912 MAT. 12.9		
Ød	ØD	Ø dw	L1	L2	L	ØI	Δ dw (dw-d1)	Torque Mt Nm	Shaft N /mm²	No.	Type	Torque Nm
24	50	19	14	19.5	23	36	0.017	170	286	6	M5x18	4
		20						210			DIN 912 Mat. 12.9	
		21						250				
30	60	24	16	21.5	25	44	0.017	300	233	7	M5x18	4
		25						340			DIN 912 Mat. 12.9	
		26						380				
36	72	28	18	23.5	27.5	52	0.032	440	307	5	M6x20	12
		30						570				
		31						630				
44	80	32	20	25.5	29.5	61	0.032	620	317	7	M6x20	12
		35						780				
		36						860				
50	90	38	22	27.5	31.5	70	0.032	940	289	8	M6x25	12
		40						1160				
		42						1380				
55	100	42	23	30.5	34.5	75	0.032	1160	252	8	M6x25	12
		45						1520				
		48						1880				
62	110	48	23	30.5	34.5	86	0.048	1850	279	10	M6x25	12
		50						2200				
		52						2400				
68	115	50	23	30.5	34.5	86	0.048	2000	255	10	M6x25	12
		55						2500				
		60						3150				
75	138	55	25	32.5	37.8	100	0.048	2500	273	7	M8x30	30
		60						3200				
		65						3950				
80	145	60	25	32.5	37.8	100	0.048	3200	256	7	M8x30	30
		65						3900				
		70						4600				
90	155	65	30	39	44.3	114	0.048	4750	271	10	M8x35	30
		70						6000				
		75						7250				
100	170	70	34	44	49.3	124	0.048	6900	258	12	M8x35	30
		75						7500				
		80						9000				
110	185	75	39	50	56.4	136	0.048	7200	244	9	M10x40	59
		80						9000				
		85						10800				
125	215	85	42	54	60.4	160	0.069	11000	266	12	M10x40	59
		90						13000				
		95						15000				
140	230	95	46	60.5	68	175	0.069	15100	264	10	M12x45	100
		100						17600				
		105						20100				
155	265	105	50	64.5	72	192	0.069	22000	263	12	M12x50	100
		110						25000				
		115						28000				
165	290	115	56	71	81	210	0.069	31000	277	8	M16x55	250
		120						35000				
		125						39000				
175	300	125	56	71	81	220	0.079	36000	261	8	M16x55	250
		130						41000				
		135						45000				
185	330	135	71	86	96	236	0.090	52000	237	10	M16x70	250
		140						57000				
		145						62000				

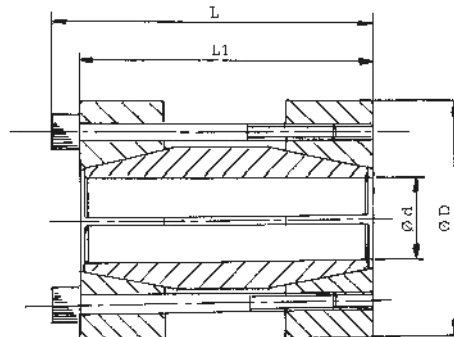
RCK95 RIGID JOINT TYPE CLAMPING ELEMENTS

N.B. The recommended machining tolerances for the pressure surfaces are as follows:

Shaft h 8

ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 40 with a torque value less than or equal to 900 Nm: RCK 95 - 40x75.



* = manufactured on request

RCK 95								
DIMENSIONS				PRESSURES		Clamping Screws DIN 912 MAT. 1 2.9		
Ød	ØD	L1	L	Torque Mt Nm	Shaft N/mm ²	No.	Type	Torque Nm
17	50	50	56	200	110	4	M6x40	17
18	50	50	56	220	110	4	M6x40	17
19	50	50	56	230	110	4	M6x40	17
20	50	50	56	240	105	4	M6x40	17
24	55	60	66	290	120	4	M6x50	17
25	55	60	66	450	110	6	M6x50	17
28	60	60	66	510	110	6	M6x50	17
30	60	60	66	550	105	6	M6x50	17
32	63	60	66	580	90	6	M6x50	17
35	75	75	83	790	105	4	M8x60	41
38	75	75	83	850	100	4	M8x60	41
40	75	75	83	900	95	4	M8x60	41
42	78	75	83	950	90	4	M8x60	41
45	85	85	93	1520	110	6	M8x70	41
48	90	85	93	1620	100	6	M8x70	41
50	90	85	93	1690	95	6	M8x70	41
55	94	85	93	2470	110	8	M8x70	41
60	100	85	93	2710	95	8	M8x70	41
65	105	85	93	2930	90	8	M8x70	41
70	115	100	110	3770	90	6	M10x80	83
*75	125	100	110	4030	80	6	M10x80	83
*80	125	100	110	4300	70	6	M10x80	83

RCK45 TYPE CLAMPING ELEMENTS

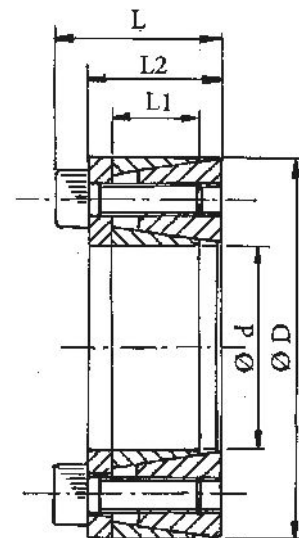
N.B. The recommended machining tolerances for the pressure surfaces are as follows:

h 8 for Shaft

H 8 for Hub

ORDERING EXAMPLE:

The following will be ordered with a shaft having Ød 55 with a torque value less than or equal to 2.000 Nm: RCK 45 – 55x83.



RCK 45												
DIMENSIONS					PRESSURES			Clamping Screws DIN 912 MAT. 12.9			Extraction Thread	
Ød	ØD	L1	L2	L	Torque Mt Nm	Shaft N/mm ²	Hub N/mm ²	No.	Type	Torque Nm	Type	No.
18	40	12	18.5	24.5	190	260	120	6	M6X15	16	M8	2
19	41	12	18.5	24.5	210	260	120	6	M6X15	16	M8	2
20	42	12	18.5	24.5	240	250	120	6	M6X15	16	M8	2
24	46	12	18.5	24.5	290	250	120	6	M6X15	16	M8	2
25	47	12	18.5	24.5	330	230	120	8	M6X15	16	M8	2
28	50	12	18.5	24.5	370	220	120	8	M6X15	16	M8	2
30	52	12	18.5	24.5	430	210	120	8	M6X15	16	M8	2
35	57	15	22	28	610	170	100	12	M6X15	16	M8	3
38	60	15	22	28	680	170	100	12	M6X15	16	M8	3
40	62	15	22	28	780	170	100	12	M6X15	16	M8	3
42	70	18	28	36	1480	190	110	12	M8X22	41	M10	3
45	73	18	28	36	1500	210	130	12	M8X22	41	M10	3
48	76	18	28	36	1550	210	130	12	M8X22	41	M10	3
50	78	18	28	36	1650	190	120	12	M8X22	41	M10	3
55	83	18	28	36	2000	190	120	16	M8X22	41	M10	4
60	88	18	28	36	2350	190	120	16	M8X22	41	M10	4
70	105	22	35	45	3900	180	120	12	M10X25	70	M12	3
80	115	22	35	45	4800	170	120	16	M10X25	70	M12	4

C L A M P I N G E L E M E N T S

Checking minimum hub diameter D_m

The minimum external hub diameter (D_m) must be checked after the type of clamping element with the required features has been selected, since the hub must withstand the stresses produced by the high pressures developed by the clamping element.

The check is merely static and only refers to the stresses generated by the clamping element:

$$D_m \geq D \times \sqrt{\frac{R_{s\ 0.2} + (P_m \times C)}{R_{s\ 0.2} - (P_m \times C)}}$$

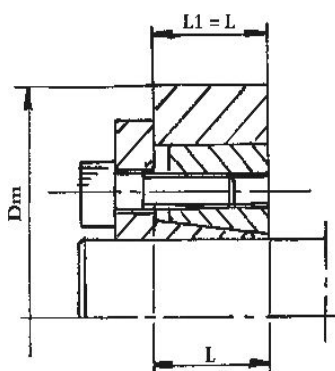
Dove: D_m = external hub diameter (mm)

D = external diameter of clamping element (mm)

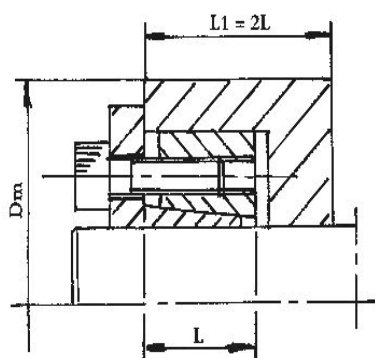
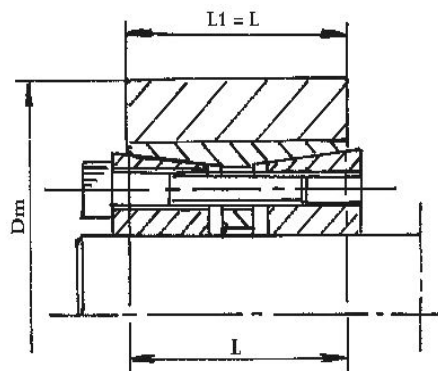
$R_{s\ 0.2}$ = yield strength for a permanent elongation of 0.2% (N/mm²)

P_m = specific pressure exerted on the hub by the clamping element (N/mm²)

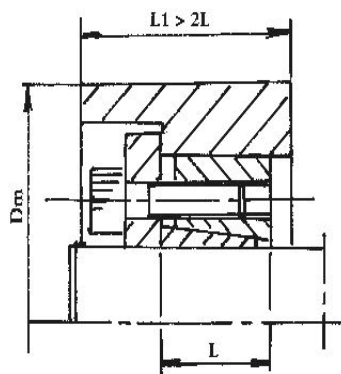
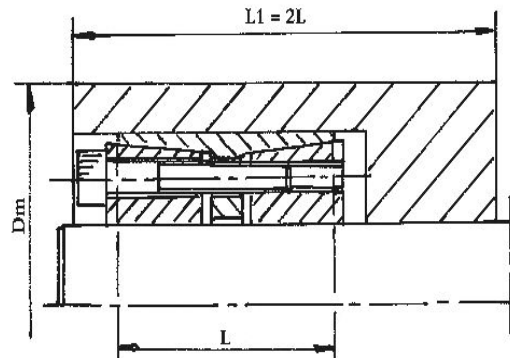
C = Utilisation coefficient depending on the hub profile (refer to the figures below).



$C = 1$



$C = 0.8$



$C = 0.6$

