

SPROCKETS

Z	d _e	d _p	SINGLE			DOUBLE		
			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

Z	d _e	d _p	S			D			T		
			D ₁	D ₂	D ₃						
30	96.00	91.12									
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

Z	d _e	d _p	SINGLE			DOUBLE			TRIPLE		
			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						
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

Z	d _e	d _p	S			D			T		
			D ₁	D ₂	D ₃						
30	128.06	121.50									
32	136.13	129.57									
38	160.35	153.79									
40	168.43	161.87									
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									

Pitch 3/8" x 3/16"

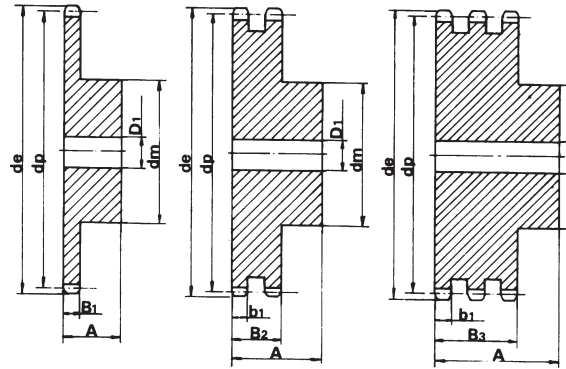
for roller chains in compliance with
DIN 8188-ISO/R 606 - ANSI B 29.1

SPROCKET

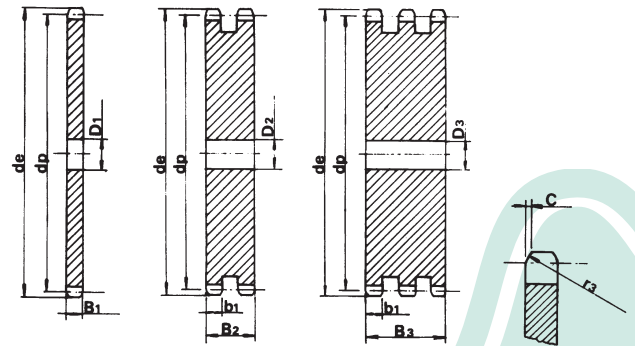
TOOTH RADIUS r ₃	10
RADIUS WIDTH C	1.2
SPROCKET TOOTH WIDTH B ₁	4.4
SPROCKET TOOTH WIDTH b ₁	4.3
SPROCKET TOOTH WIDTH B ₂	14.4

CHAIN

PITCH	9.525
INNER WIDTH	4.77
ROLLER - ø	5.08



MATERIAL: C 45 UNI 7845 SPROCKETS



Pitch 1/2" x 5/16"

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

CORONA

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

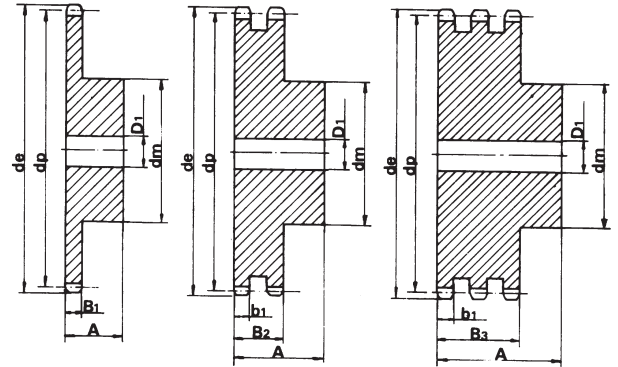
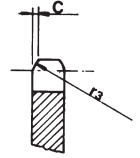
PITCH	12.7
INNER WIDTH	7.94
ROLLER - ø	7.94

MATERIAL C 45 UNI 7845 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	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	81.37	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	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	187.20	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 r ₃	17
RADIUS WIDTH C	2
SPROCKET TOOTH WIDTH B ₁	9
SPROCKET TOOTH WIDTH b ₁	8.8
SPROCKET TOOTH WIDTH B ₂	26.9
SPROCKET TOOTH WIDTH B ₃	45

CHAIN

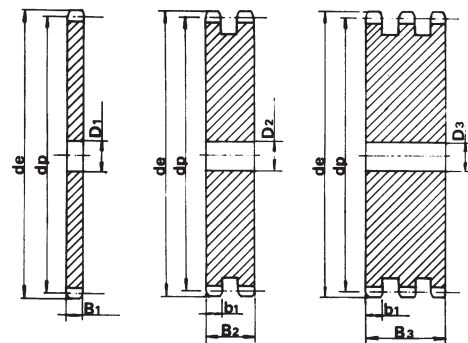
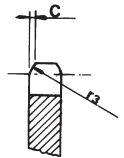
PITCH	15.875
INNER WIDTH	9.52
ROLLER - Ø	10.16

MATERIAL: C 45 UNI 7845

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	47.0	41.48	10			44	230.0	222.53	20		
9	52.6	46.42	10			45	235.0	227.58	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	257.87	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	123.4	116.58	12			59	305.7	298.27	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	328.58	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	384.16	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	454.88	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 r ₃	17
RADIUS WIDTH C	2
PLATE TOOTH WIDTH B ₁	9
PLATE TOOTH WIDTH b ₁	8.8
PLATE TOOTH WIDTH B ₂	26.9
PLATE TOOTH WIDTH B ₃	45

CHAIN

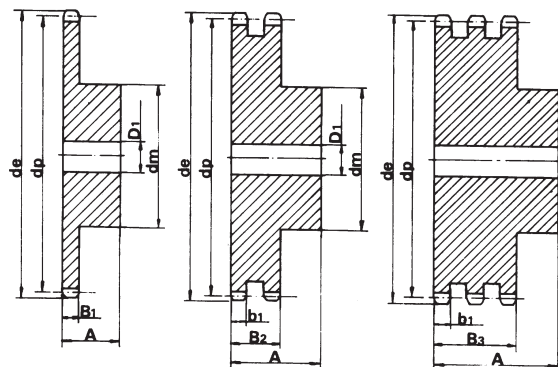
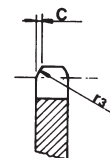
PITCH	15.875
INNER WIDTH	9.52
ROLLER - Ø	10.16

S P R O C K E T S

ASA 60

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 - \emptyset	11.91

MATERIAL: C 45 UNI 7845

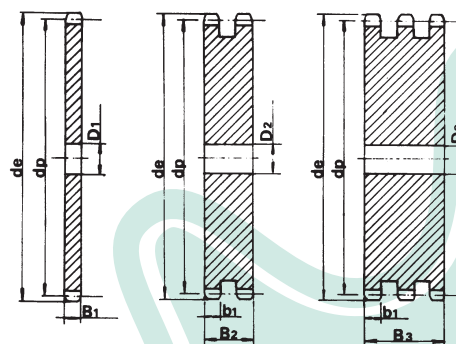
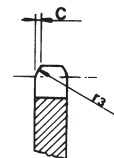
Z	d_e	d_p	SINGLE			DOUBLE			TRIPLE		
			d_m	D_1	A	d_m	D_1	A	d_m	D_1	A
10	71.54	61.64	42	12	30	42	12	45			
11	77.51	67.61	45	12	30	47	16	50			
12	83.49	73.61	45	12	30	53	16	50	53	20	70
13	89.49	79.59	60	14	35	59	16	50	59	20	70
14	95.50	85.61	60	14	35	65	16	50	65	20	70
15	101.52	91.63	60	14	35	71	16	50	71	20	70
16	107.54	97.65	75	16	35	77	20	50	77	20	70
17	113.56	103.67	75	16	35	83	20	50	83	20	70
18	119.59	109.71	75	16	35	89	20	50	89	20	70
19	125.63	115.75	80	16	35	95	20	50	95	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			

P L A T E W H E E L S

ASA 60

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 - \emptyset	11.91

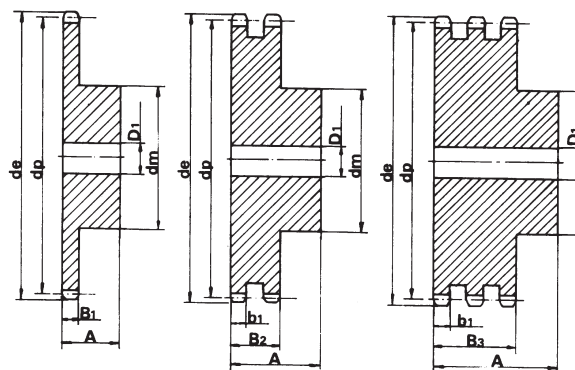
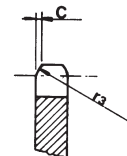
Z	d_e	d_p	S D T		
			D_1	D_2	D_3
30	192.14	182.25			20
32	204.24	194.35		20	
38	240.58	230.69	20	25	25
40	252.69	242.80	20	25	
45	282.98	273.09	25	25	25
48	301.16	291.27	25		
57	355.70	345.81	25	25	30
76	470.87	460.98	30	30	30
95	586.06	576.17		30	

S P R O C K E T S

ASA 80

Pitch 1" x 5/8"

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



SPROCKET

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

PITCH	25.4
INNER WIDTH	15.88
ROLLER - \emptyset	15.88

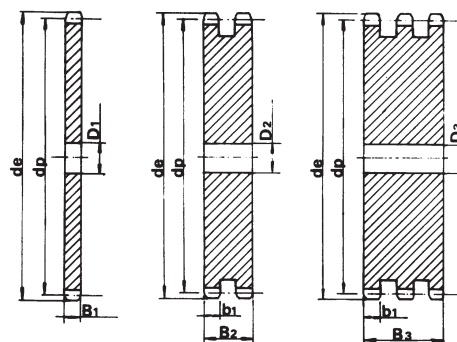
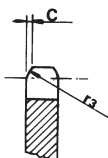
MATERIAL: C 45 UNI 7845

P L A T E W H E E L S

ASA 80

Pitch 1" x 5/8"

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



PLATEWHEEL

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

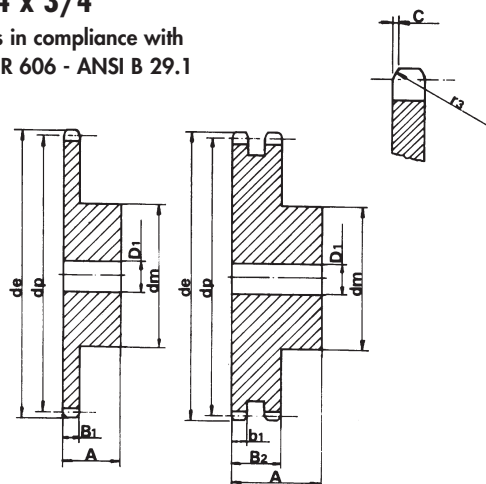
PITCH	25.4
INNER WIDTH	15.88
ROLLER - \emptyset	15.88

Z	d_e	d_p	S D T		
			D_1	D_2	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

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			
13	147.8	132.65	98	20	45	90	20	80
14	157.8	142.68	108	20	45	100	20	80
15	167.9	152.72	118	20	45	110	20	80
16	177.9	162.75	120	25	50	120	20	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

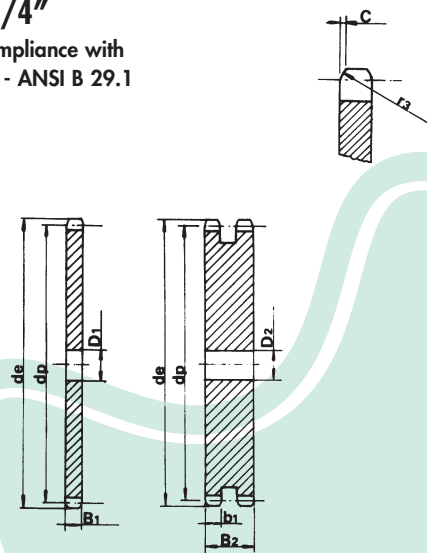
MATERIAL: C 45 UNI 7845

P L A T E W H E E L S

Z	d _e	d _p	S D T		
			D ₁	D ₂	D ₃
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	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	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	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	30	
39	409.7	394.59	25		
40	419.8	404.68	25		
45	470.3	455.17	30	30	
57	591.5	576.36	30	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

SPROCKETS

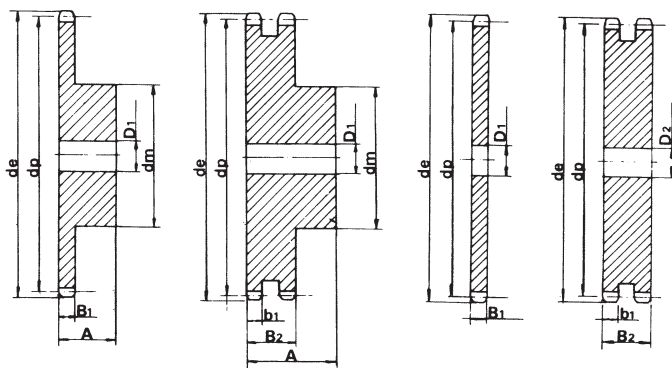
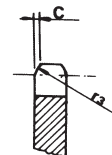
Z	d _e	d _p	SINGLE			DOUBLE		
			d _m	D ₁	A	d _m	D ₁	A
8	119.04	99.55	58	20	45			
9	130.88	111.4	70	20	45			
10	142.77	123.29	80	20	45			
11	154.71	135.21	90	25	50			
12	166.69	147.22	102	25	50	102	25	100
13	178.68	159.18	114	25	50	114	25	100
14	190.7	171.22	128	25	50	128	25	100
15	202.73	183.26	140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

PLATEWHEELS

Z	d _e	d _p	S	D	T
			D ₁	D ₂	
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

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

PITCH	38.1
INNER WIDTH	25.4
ROLLER - Ø	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.