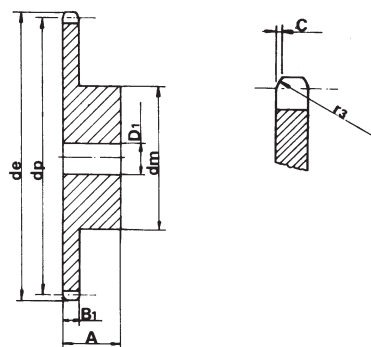


S P R O C K E T S

Z	d _e	d _p	SINGLE					
			d _m	D1	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

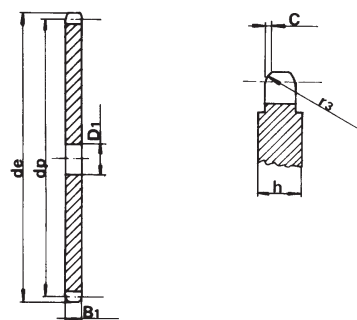
P L A T E W H E E L S

Z	d _e	d _p	S		Z	d _e	d _p	D1
			D1					
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	157.70	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 _p	SINGLE			DOUBLE			d _m	D ₁	A
			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 ₁	D ₂	D ₃
			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

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				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

Z	d _e	d _p	S			D ₁	D ₂	D ₃
			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				

Pitch 3/8" x 3/16"

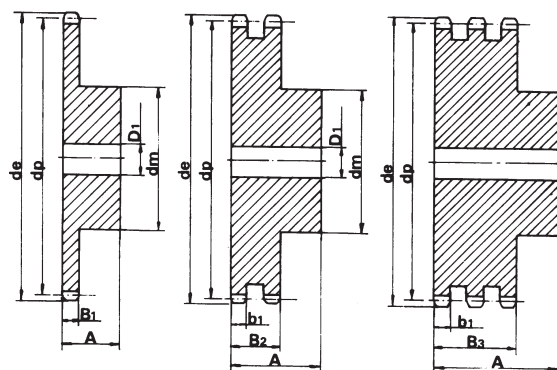
for roller chains in compliance with
DIN 8188-ISO/R 606 - ANSI B 29.1

SPROCKET

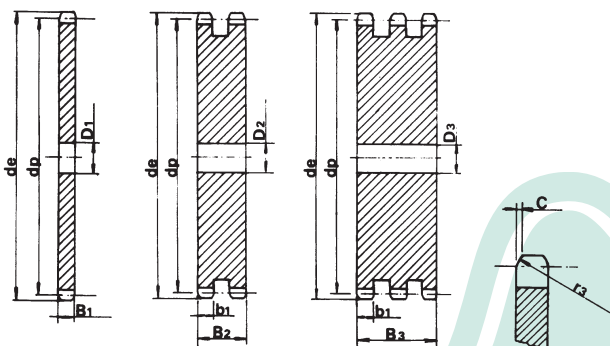
	mm
TOOTH RADIUS r ₃	10
RADIUS WIDTH C	1.2
SPROCKET TOOTH WIDTH B ₁	4.4
SPROCKET TOOTH WIDTH b ₁	4.3
SPROCKET TOOTH WIDTH B ₂	14.4

CHAIN

	mm
PITCH	9.525
INNER WIDTH	4.77
ROLLER - Ø	5.08



MATERIAL: C 45 UNI 7845 SPROCKETS



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

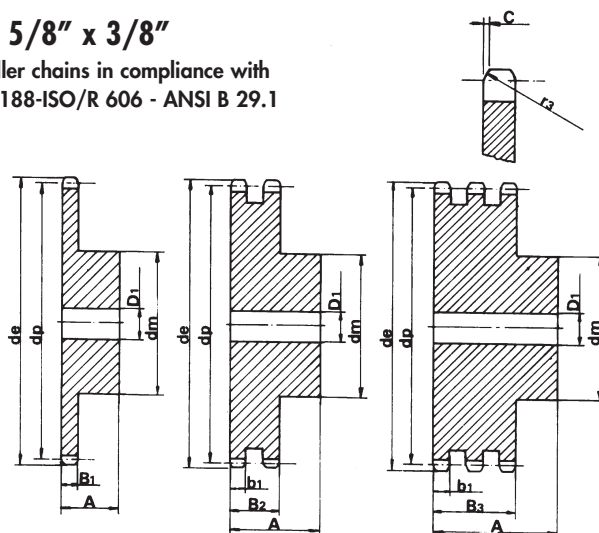
CATENA

	mm
PITCH	12.7
INNER WIDTH	7.94
ROLLER - Ø	7.94

MATERIAL C 45 UNI 7845 SPROCKETS

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

mm

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

mm

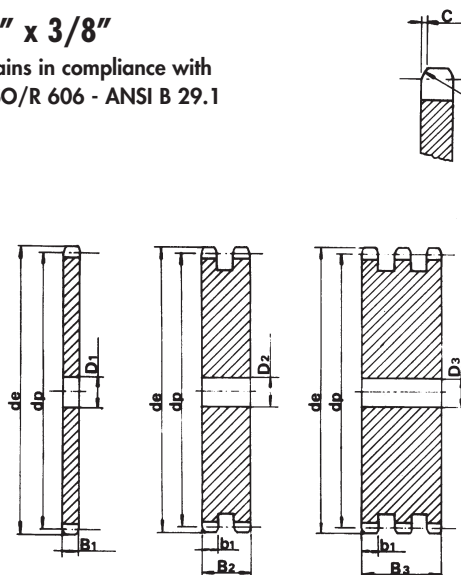
PITCH	15.875
INNER WIDTH	9.52
ROLLER - Ø	10.16

MATERIAL: C 45 UNI 7845

P L A T E W H 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	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	123.5	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

mm

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

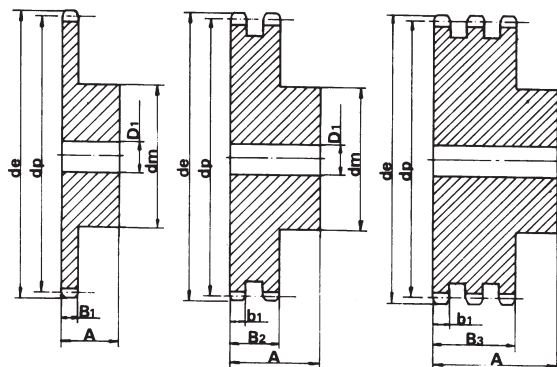
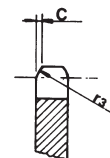
CHAIN

mm

PITCH	15.875
INNER WIDTH	9.52
ROLLER - Ø	10.16

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

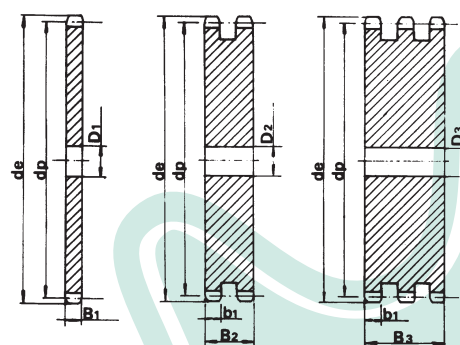
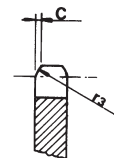
PITCH	19.05
INNER WIDTH	12.7
ROLLER - $\varnothing$	11.91

MATERIAL: C 45 UNI 7845

PLATEWHEELS

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

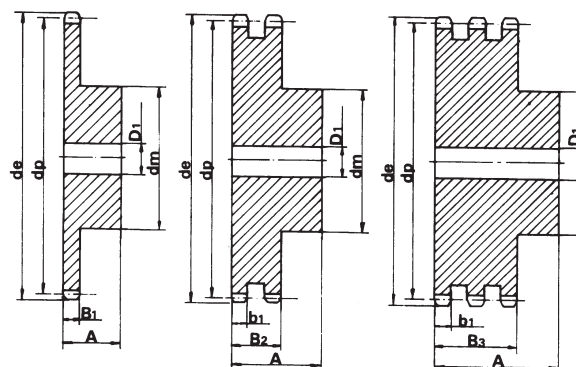
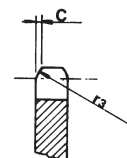
mm

PITCH	19.05
INNER WIDTH	12.7
ROLLER - $\varnothing$	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	

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

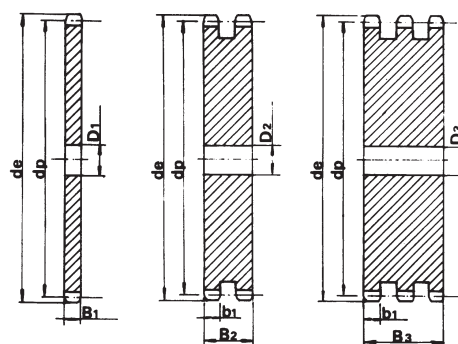
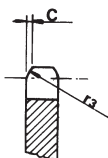
mm

PITCH	25.4
INNER WIDTH	15.88
ROLLER - $\varnothing$	15.88

MATERIAL: C 45 UNI 7845

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

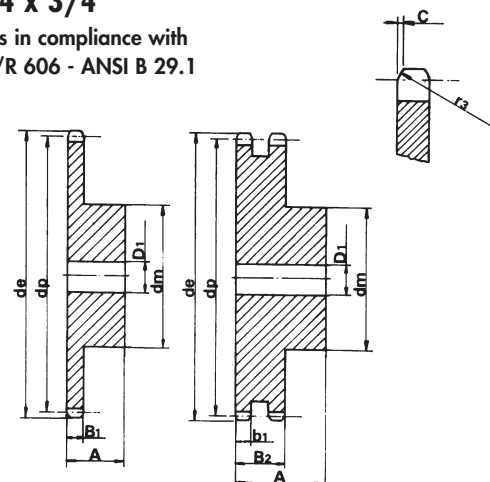
PITCH	25.4
INNER WIDTH	15.88
ROLLER - $\varnothing$	15.88

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	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

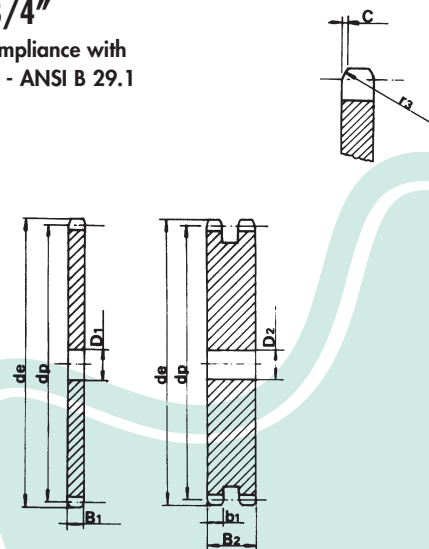
PLATEWHEELS

ASA 100

Z	d _e	d _p	S D 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

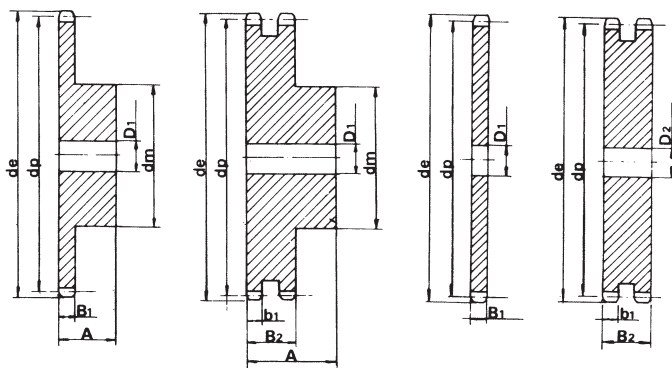
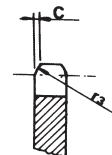
Z	d _e	d _p	SINGLE			DOUBLE		
			d _m	D ₁	A	d _m	D ₁	A
8	119.04	99.55	58	20	45			
9	130.88	111.4	70	20	45			
10	142.77	123.29	80	20	45			
11	154.71	135.21	90	25	50			
12	166.69	147.22	102	25	50	102	25	100
13	178.68	159.18	114	25	50	114	25	100
14	190.7	171.22	128	25	50	128	25	100
15	202.73	183.26	140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