



New South Wales

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Sprockets

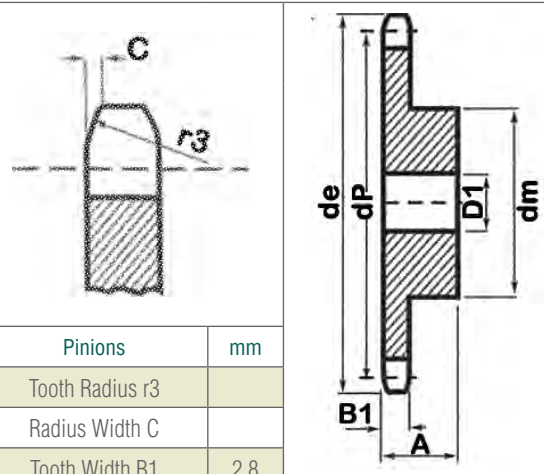
British Standard Sprockets

SAMT stocks a range of British high quality steel sprockets. Complete with induction hardened teeth, thus improving the sprockets resistance to wear and increasing the sprockets working life.

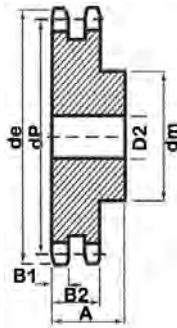
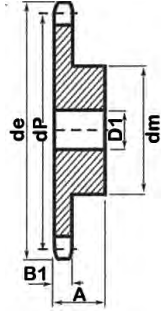
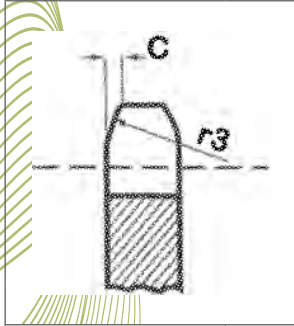
All SAMT sprockets are engineered in accordance with the stringent ISO 9000 standards.

05B Sprocket		Teeth	de	dp	Simplex		
					dm	D1	A
		9	25.09	23.99	15	6	12
		10	28.4	25.89	17	6	12
		11	31	28.39	18	7	13
		12	33.7	30.91	20	7	13
		13	36.7	33.42	23	7	13
		14	39.2	35.95	25	7	13
		15	41.7	48.48	28	7	13
		16	44.2	41.01	30	8	14
		17	46.7	43.53	30	8	14
		18	49.2	46.07	30	8	14
		19	51.7	48.61	30	8	14
		20	54.2	51.14	30	8	14
		21	57.2	53.67	35	8	14
		22	59.2	56.21	35	8	14
		23	62.2	58.75	35	8	14
		24	64.7	61.29	35	8	14
		25	67.2	63.83	35	8	14
		26	69.7	66.37	40	10	16
		27	72.3	68.91	40	10	16
		28	74.7	71.45	40	10	16
		30	80.2	76.53	40	10	16
		38	100.2	96.88	40	12	16
		57	149.3	145.2	80	14	20

Pinions		mm
Tooth Radius r3		
Radius Width C		
Tooth Width B1	2.8	
Tooth Width b1		
Chain		mm
Pitch	8	
Inside	3	
Roller ø	5	



06B-1-2 Sprocket



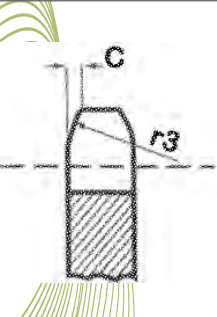
Pinions		mm
Tooth Radius r3		
Radius Width C		
Tooth Width B1		5.3
Tooth Width b1		
Tooth Width B2		15.4
Chain		mm
Pitch		9.53
Inside		5.72
Roller ø		6.35

Teeth	de	dp	Simplex				Duplex			
			dm	D1	A	App. Kg	dm	D2	A	App. Kg
8	28.6	24.89	15	8	20	0.03				
9	31.5	27.85	18	8	20	0.04	18	8	25	
10	34.5	30.82	20	8	20	0.06	20	8	25	0.11
11	37.5	33.8	22	8	25	0.09	22	10	30	0.13
12	40.5	36.8	25	8	25	0.10	25	10	30	0.16
13	43.5	39.8	28	8	25	0.11	28	10	30	0.20
14	46.5	42.8	31	8	25	0.12	31	10	30	0.25
15	49.5	45.81	34	8	25	0.14	34	10	30	0.29
16	52.5	48.82	37	10	28	0.18	37	12	30	0.34
17	55.5	51.83	40	10	28	0.20	40	12	30	0.39
18	58.6	54.85	43	10	28	0.23	43	12	30	0.45
19	61.6	57.87	45	10	28	0.25	46	12	30	0.52
20	64.6	60.89	46	10	28	0.31	49	12	30	0.59
21	67.6	63.91	48	12	28	0.36	52	16	30	0.68
22	70.6	66.93	50	12	28	0.37	55	16	30	0.75
23	73.7	69.95	52	12	28	0.39	58	16	30	0.80
24	76.7	72.97	54	12	28	0.40	61	16	30	0.84
25	79.7	76	57	12	28	0.41	64	16	30	0.89
26	82.7	79.02	60	12	28	0.42	67	16	30	0.91
27	85.7	82.04	60	12	28	0.44	70	16	30	1.00
28	88.8	85.07	60	12	28	0.45	73	16	30	1.07
29	91.8	88.09	60	12	28	0.47	76	16	30	1.14
30	94.8	91.12	60	12	28	0.48	79	16	30	1.22
31	97.9	94.15	65	14	30	0.51				
32	100.9	97.17	65	14	30	0.56				
33	103.9	100.2	65	14	30	0.62				
34	106.9	103.2	65	14	30	0.66				
35	110	106.3	65	14	30	0.68				
36	113	109.3	70	16	30	0.71				
37	116	112.3	70	16	30	0.74				
38	119	115.3	70	16	30	0.77	90	16	30	1.72
39	122.1	118.4	70	16	30	0.79				
40	125.1	121.4	70	16	30	0.81				
45	140.2	136.5	75	16	30	0.91	90	19	35	2.35
57	176.6	172.9	75	19	30	1.27	90	19	35	3.47
76	234.2	230.5	75	19	30	1.91	90	19	38	5.67
95	291.8	288.1	75	19	30	2.61	95	25	38	8.64
114	349.4	345.7	75	19	30	3.63	95	25	38	11.12

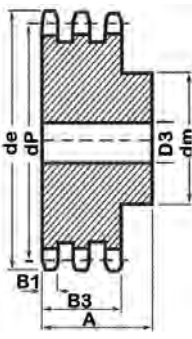
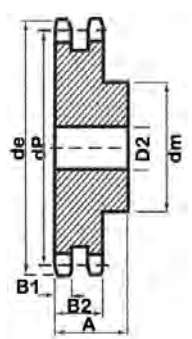
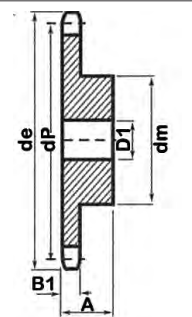
British Standard Sprockets

08B-1-2-3 Sprocket		Teeth	de	dp	Simplex				Duplex				Triplex				
					dm	D1	A	App. Kg	dm	D2	A	App. Kg	dm	D3	A	App. Kg	
		8	38	33.18	20	10	25	0.13									
		9	42	37.13	24	10	25	0.14	24	10	32	0.18					
		10	45.9	41.1	26	10	25	0.15	28	10	32	0.22					
		11	49.9	45.07	29	10	25	0.17	32	12	35	0.24					
		12	53.9	49.07	33	10	28	0.24	35	12	35	0.26					
		13	57.9	53.06	37	10	28	0.25	38	12	35	0.28	38	16	50	0.59	
		14	61.9	57.07	41	10	28	0.31	42	12	35	0.34	42	16	50	0.72	
		15	65.9	61.09	45	10	28	0.33	46	12	35	0.36	46	16	50	0.81	
		16	69.9	65.1	50	12	28	0.37	50	16	38	0.40	50	16	50	0.90	
		17	74	69.11	52	12	28	0.51	54	16	38	0.44	54	16	50	1.04	
		18	78	73.14	56	12	28	0.54	58	16	38	0.49	58	16	50	1.22	
		19	82	77.16	60	12	28	0.65	62	16	38	0.57	62	16	50	1.41	
		20	86	81.19	64	12	28	0.76	66	16	38	0.65	66	16	50	1.58	
		21	90.1	85.22	68	14	28	0.82	70	16	40	0.72	70	16	55	1.81	
		22	94.1	89.24	70	14	28	0.88	70	16	40	0.80	70	16	55	2.03	
		23	98.1	93.27	70	14	28	1.05	70	16	40	0.83	70	16	55	2.27	
		24	102.1	97.29	70	14	28	1.07	75	16	40	0.94	75	16	55	2.44	
		25	106.2	101.3	70	14	28	1.13	80	16	40	0.98	80	16	55	2.54	
		26	110.2	105.4	70	16	30	1.15	85	16	40	1.04	85	20	55	OA	
		27	114.2	109.4	70	16	30	1.19	85	16	40	1.08	85	20	55	2.85	
		28	118.3	113.4	70	16	30	1.30	90	16	40	1.10	90	20	55	3.16	
		29	121		80	11	30	OA	OA	OA	OA	OA	95	20	55	OA	
		30	126.3	121.5	80	16	30	1.36	100	16	40	1.16	95	20	55	3.48	
		31	130.4	125.5	90	16	30	1.41									
		32	134.4	129.6	90	16	30	1.46	100	20	40	1.24					
		33	138.4	133.6	90	16	30	1.51									
		34	142.5	137.6	90	16	30	1.56	100	20	40	1.33					
		35	146.5	141.7	90	16	30	1.61									
		36	150.6	145.7	90	16	35	1.69	100	20	40	2.05					
		37	154.6	149.8	90	16	35	1.74									
		38	158.6	153.8	90	16	35	1.78	100	20	40	2.17	120	25	55	6.49	
		39	162.7	157.8	90	16	35	1.83									
		40	166.7	161.9	90	16	35	1.88	100	20	40	2.28					
		41	171						OA	OA	OA						
		42	176.5	170	90	19	35	1.97	110	20	45	2.32					
		43	179						OA	OA	OA						
		44	185						OA	OA	OA						
		45	188.6	182.1	90	19	35	2.11	110	20	45	2.49					
		46	193						OA	OA	OA						
		48	200.7	194.2	100	19	35	2.76	110	20	45	2.65					
		50	208.8	202.3	OA	OA	OA	2.90	OA	OA	OA						
		55	229	222.5	OA	OA	OA	3.15									
		57	233.1	230.5	100	19	35	3.28	110	25	45	3.88	120	25	60	12.62	
		60	249.2	242.7	100	19	35	3.45									
		76	313.9	307.3	100	19	35	5.73	120	30	45	6.60	130	30	65	22.23	
		95	390.7	384.1	100	25	35	8.90	120	30	45	9.89					
		114	467.4	460.9	100	25	35	11.17	120	30	45	12.88					

10B-1-2-3 Sprocket



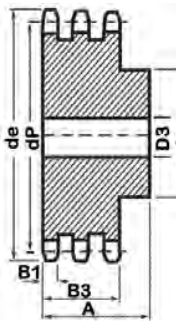
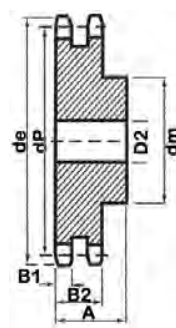
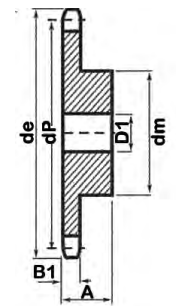
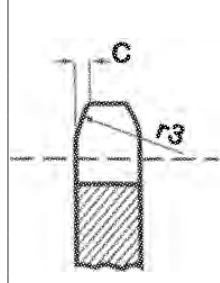
Pinions	mm
Tooth Radius r3	
Radius Width C	
Tooth Width B1	9.1
Tooth Width b1	
Tooth Width B2	25.5
Tooth Width B3	
Chain	mm
Pitch	5.88
Inside	9.65
Roller ø	10.2



Teeth	de	dp	Simplex				Duplex			
			dm	D1	A	App. Kg	dm	D2	A	App. Kg
8	48.4	41.48	25	10	25	0.09				
9	53.3	46.42	30	10	25	0.14	30	12	40	0.31
10	58.3	51.37	35	10	25	0.23	35	12	40	0.39
11	63.2	56.35	37	12	30	0.27	39	16	40	0.44
12	68.2	61.34	42	12	30	0.32	44	16	40	0.57
13	73.2	66.32	47	12	30	0.36	49	16	40	0.71
14	78.2	71.34	52	12	30	0.45	54	16	40	0.84
15	83.2	76.36	57	12	30	0.59	59	16	40	1.01
16	88.3	81.37	60	12	30	0.68	64	16	45	1.19
17	93.3	86.39	60	12	30	0.82	69	16	45	1.38
18	98.3	91.42	70	14	30	0.91	74	16	45	1.62
19	103.3	96.45	70	14	30	1.04	79	16	45	1.77
20	108.4	101.5	75	14	30	1.13	84	16	45	1.93
21	113.4	106.5	75	16	30	1.18	85	20	45	2.22
22	118.4	111.6	80	16	30	1.27	90	20	45	2.53
23	123.5	116.6	80	16	30	1.45	95	20	45	2.77
24	128.5	121.6	80	16	30	1.50	100	20	45	2.95
25	133.6	126.7	80	16	30	1.59	105	20	45	3.15
26	138.6	131.7	85	20	35	1.63	110	20	45	3.42
27	143.6	136.8	85	20	35	1.68	110	20	45	3.98
28	148.7	141.8	90	20	35	1.72	115	20	45	4.2
29	153.7	146.8	90	20	35	1.91	115	20	45	4.43
30	158.8	151.9	90	20	35	2.04	120	20	45	4.66
31	163.8	156.9	95	20	35	2.13				
32	168.9	162	95	20	35	2.27				
33	173.9	167	95	20	35	2.33				
34	178.9	172.1	95	20	35	2.36				
35	184	177.1	95	20	35	2.48				
36	189	182.2	100	20	35	2.56				
37	194.1	187.2	100	20	35	2.68				
38	199.1	192.2	100	20	35	2.72	120	20	45	7.67
39	204.2	197.3	100	20	35	2.86				
40	209.2	202.3	100	20	35	2.95	120	20	45	7.92
42	220.8	212.4	OA	OA	OA	3.01				
45	236	227.6	OA	OA	OA	3.73	OA	OA	OA	9.21
48	251.1	242.7	OA	OA	OA	4.18				
50	261.2	252.8	OA	OA	OA	4.40				
55	286.5	278.1	OA	OA	OA	4.96				
57	296.6	288.2	OA	OA	OA	5.27	OA	OA	OA	15.07
60	311.7	303.3	OA	OA	OA	5.9				
76	392.5	384.2	OA	OA	OA	11.03	OA	OA	OA	26.31
95	488.5	480.1	OA	OA	OA	14.57	OA	OA	OA	32.69
114	584.5	576.1	OA	OA	OA	20.61	OA	OA	OA	49.3

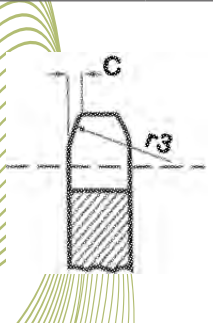
British Standard Sprockets

12B-1-2-3 Sprocket			Teeth	de	dp	Simplex			Duplex				Triplex					
						dm	D1	A	App. Kg	dm	D2	A	App. Kg	dm	D3	A	App. Kg	
			8	58	49.78	31	12	30										
			9	63.9	55.7	37	12	30		37	16	45	0.75					
			10	69.8	61.64	42	12	30		42	16	45	0.90					
			11	75.8	67.61	46	16	35	0.53	47	16	50	1.00					
			12	81.8	73.6	52	16	35	0.67	53	16	50	1.23					
			13	87.8	79.59	58	16	35	0.75	59	16	50	1.41	59	20	70	1.77	
			14	93.8	85.61	64	16	35	0.91	65	20	50	1.68					
			15	99.8	91.63	70	16	35	1.14	71	20	50	1.95	71	20	70	2.45	
			16	105.8	97.65	75	16	35	1.27	77	20	50	2.27					
			17	111.9	103.7	80	16	35	1.46	83	20	50	2.63	83	20	70	3.49	
			18	117.9	109.7	80	16	35	1.69	89	20	50	3.18					
			19	123.9	115.8	80	16	35	1.78	95	20	50	3.50	95	20	70	4.54	
			20	130	121.8	80	16	35	2.10	100	20	50	3.72					
			21	136	127.8	90	20	40	2.27	100	20	50	4.31	100	25	70	5.67	
			22	142	133.9	90	20	40	2.38	100	20	50	4.77					
			23	148.1	139.9	90	20	40	2.49	110	20	50	4.99	110	25	70	6.62	
			24	154.1	145.9	90	20	40	2.62	110	20	50	5.45					
			25	160.2	152	90	20	40	2.78	120	20	50	5.67	120	25	70	7.71	
			26	166.2	158	95	20	40	2.89	120	20	50	6.13					
			27	172.3	164.1	95	20	40	3.05	120	20	50	6.49	120	25	70	8.99	
			28	178.3	170.1	95	20	40	3.12	120	20	50	6.81					
			29	184.4	176.2	95	20	40	3.30	120	20	50	7.13					
			30	190.4	182.3	95	20	40	3.44	120	20	50	7.49	120	25	70	10.53	
			31	196.5	188.3	95	20	40	3.50									
			32	202.5	194.4	95	20	40	3.75									
			33	208.6	200.4	95	20	40	3.82									
			34	214.6	206.5	95	20	40	3.99									
			35	220.7	212.5	95	20	40	4.10	120	20	50	10.18					
			36	226.8	218.6	100	25	40	4.35	120	25	50	12.31					
			37	232.8	224.6	100	25	40	4.64									
			38	238.9	230.1	100	25	40	4.92	120	25	50	12.99	130	25	70	20.57	
			39	244.9	236.8	100	25	40	5.15									
			40	251	242.8	100	25	40	5.22									
			41	258		100	25	40	OA									
			42	265	254.9	OA	OA	OA	5.78									
			43	272		100	25	40	OA									
			44	276		100	25	40	OA									
			45	283.2	273.1	OA	OA	OA	6.34	OA	OA	OA	15.38					
			48	301.4	291.3	OA	OA	OA	7.18									
			50	313.5	303.4	OA	OA	OA	8.01									
			55	343.8	333.7	OA	OA	OA	9.90									
			57*	355.9	345.8	OA	OA	OA	10.10	OA	OA	OA	25.34	OA	OA	OA	33.73	
			60	374.1	364	OA	OA	OA	11.44									
			76*	471.1	461	OA	OA	OA	17.26	OA	OA	OA	25.63	OA	OA	OA	37.19	
			95	586.2	576.2	OA	OA	OA	23.83	OA	OA	OA	39.24					
			114	OA		OA	OA	OA	OA									

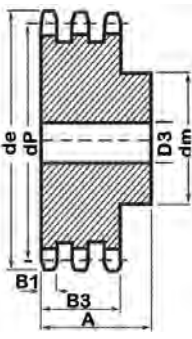
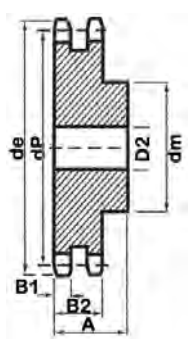
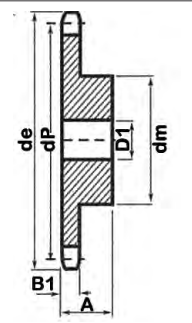


Pinions	mm
Tooth Radius r3	
Radius Width C	
Tooth Width B1	11.1
Tooth Width b1	
Tooth Width B2	30.3
Tooth Width B3	49.8
Chain	mm
Pitch	19.05
Inside	11.68
Roller ø	12.07

16B-1-2-3 Sprocket



Pinions	mm
Tooth Radius r3	
Radius Width C	
Tooth Width B1	16.2
Tooth Width b1	
Tooth Width B2	47.7
Tooth Width B3	79.6
Chain	mm
Pitch	25.4
Inside	17
Roller ø	15.88



Teeth	de	dp	Simplex				Duplex				Triplex					
			dm	D1	A	App. Kg	dm	D2	A	App. Kg	dm	D3	A	App. Kg		
8	77.9	66.37	42	16	35	0.95										
9	85.8	74.27	50	16	35	1.20	50	20	65							
10	93.8	82.19	55	16	35	1.35	56	20	65							
11	101.7	90.14	61	16	40	1.45	64	20	70	1.82						
12	109.7	98.14	69	16	40	1.82	72	20	70	2.36						
13	117.7	106.1	78	16	40	1.94	80	20	70	1.95	80	25	100	4.13		
14	125.7	114.2	84	16	40	2.09	88	20	70	3.5						
15	133.7	122.2	92	16	40	2.59	96	20	70	4.18	96	25	100	5.54		
16	141.8	130.2	100	20	45	3.00	104	25	70	5.22						
17	149.8	138.2	100	20	45	3.18	112	25	70	5.99	112	25	100	8.07		
18	157.8	146.3	100	20	45	3.77	120	25	70	6.81						
19	165.9	154.4	100	20	45	3.86	128	25	70	7.71	128	25	100	10.89		
20	173.9	162.4	100	20	45	4.09	130	25	70	8.26						
21	182	170.4	110	20	50	4.54	130	25	70	8.85	130	25	100	13.61		
22	190.1	178.5	110	20	50	5.00	130	25	70	9.53						
23	198.1	186.5	110	20	50	5.08	130	25	70	10.43	130	25	100	14.97		
24	206.2	194.6	110	20	50	5.54	130	25	70	11.44						
25	214.2	202.7	110	20	50	5.76	130	25	70	12.47	130	25	100	17.70		
26	222.3	210.7	120	20	50	7.03	130	25	70	13.62						
27	230.4	218.8	120	20	50	7.53	130	25	70	14.75	130	30	100	21.57		
28	238.4	226.9	120	20	50	7.58	130	25	70	15.89						
29	246.5	234.9	120	20	50	7.94	130	25	70	17.02						
30	254.6	243	120	20	50	8.26	130	25	70	18.16	130	30	100	26.33		
31	262.6	251.1	120	25	50	8.62										
32	270.7	259.1	120	25	50	8.98										
33	278.8	267.2	120	25	50	9.33										
34	286.9	275.3	120	25	50	9.69										
35	294.9	283.4	120	25	50	10.05										
36	303	291.4	120	25	50	10.41										
37	311.1	299.5	120	25	50	10.78										
38	319.2	307.6	120	25	50	11.12	140	25	70	29.60	140	30	100	41.45		
39	327.2	315.7	120	25	50	11.48										
40	335.3	323.4	120	25	50	11.83										
45	377.9	364.1	OA	OA	OA	13.62	OA	OA	OA	34.35	OA	OA	OA	45.00		
57*	474.9	461.1	OA	OA	OA	22.16	OA	OA	OA	38.18	OA	OA	OA	51.35		
76*	628.4	614.7	OA	OA	OA	39.24	OA	OA	OA	68.11	OA	OA	OA	77.11		
95	782	768.2	OA	OA	OA	57.12										
114	935.6	921.8	OA	OA	OA	75.00										

British Standard Sprockets

20B-1-2 Sprocket			Teeth	de	dp	Simplex				Duplex			
						dm	D1	A	App. Kg	dm	D2	A	App. Kg
			9	106.5	92.84	63	20	40	1.45				
			10	117	102.7	70	20	40	1.86				
			11	127	112.7	77	20	45	2.40	80	25	80	3.67
			12	137	122.7	88	20	45	2.95	90	25	80	0A
			13	147.5	132.7	98	20	45	3.00	100	25	80	5.53
			14	157.6	142.7	108	20	45	3.40	110	25	80	6.62
			15	167.6	152.7	118	20	45	4.31	120	25	80	7.76
			16	177.7	162.8	120	25	50	4.63	120	30	80	0A
			17	187.8	172.8	120	25	50	4.99	120	30	80	10.44
			18	197.8	182.9	120	25	50	5.44	120	30	80	0A
			19	207.9	192.9	120	25	50	5.9	120	30	80	12.92
			20	217.9	203	120	25	50	6.35	120	30	80	0A
			21	228	213	140	30	55	7.03	140	30	80	16.55
			22	238.1	223.1	140	30	55	7.71	140	30	80	0A
			23	248.2	233.2	140	30	55	8.16	140	30	80	19.05
			24	258.3	243.2	140	30	55	8.62	140	30	80	0A
			25	268.4	253.3	140	30	55	9.07	140	30	80	21.77
			26	278.4	263.4	150	30	55	9.53	150	30	80	0A
			27	288.5	273.5	150	30	55	10.43	150	30	80	24.97
			28	299	283.6	0A	0A	0A	11.34	150	30	80	0A
			30	319	303.8	0A	0A	0A	12.02	150	30	80	0A

24B-1-2 Sprocket			Teeth	de	dp	Simplex				Duplex			
						dm	D1	A	App. Kg	dm	D2	A	App. Kg
			9	125	111.4	70	25	95	2.02				
			10	137	123.3	80	25	95	2.61				
			11	149	135.2	90	25	100	3.77	90	25	100	6.50
			12	161	147.2	102	25	100	4.77	102	25	0A	0A
			13	137	159.2	114	25	100	5.91	114	25	100	9.92
			14	185	171.2	128	25	100	6.68	128	25	100	11.98
			15	197	183.3	132	25	100	7.49	132	25	100	14.13
			16	209	195.3	136	30	100	9.08	136	30	100	16.35
			17	221	207.3	136	30	100	9.76	136	30	100	17.85
			18	233	219.4	160	30	100	10.49	160	30	100	20.35
			19	245.5	231.5	160	30	100	11.21	160	30	100	22.56
			20	257.5	243.6	160	30	100	12.26	160	30	100	24.78
			21	270.5	255.7	160	30	100	13.38	160	30	100	26.99
			22	282.5	267.7	160	30	100	13.67	160	30	100	29.74
			23	294.5	279.8	160	30	100	14.74	0A	0A	0A	0A
			24	307	292	0A	0A	0A	0A	0A	0A	0A	0A
			25	319	304	160	30	100	16.38	0A	0A	0A	0A
			26	331	317	0A	0A	0A	0A	0A	0A	0A	0A
			27	343	328	0A	0A	0A	0A	0A	0A	0A	0A
			28	355	340	0A	0A	0A	0A	0A	0A	0A	0A
			29	367	352	0A	0A	0A	0A	0A	0A	0A	0A
			30	379	365	0A	0A	0A	0A	0A	0A	0A	0A

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