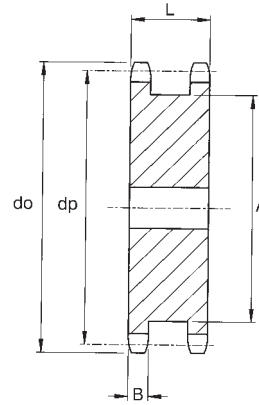


# Double Simplex Sprockets for $\frac{3}{8}$ " to 1" Pitch Standard Roller Chains



## Simplex Sprocket

Chain No.	Tooth Width B
06B-1	5.3
08B-1	7.2
10B-1	9.2
ANSI 50	9.2
12B-1	11.2
16B-1	16.2

Cat. No.	No. of Teeth	Pitch Circle Ø dp	Outside Ø do	Stock Bore d H8	Max Bore † d	Hub Diameter A	Length L	Approx. Weight kg
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### For $\frac{3}{8}$ " Pitch Chains to ISO 606 - 06B-1

DS06B1-14	14	42.80	46.3	10	20	31	23.5	0.17
DS06B1-15	15	45.81	49.3	10	23	34	23.5	0.20
DS06B1-16	16	48.82	52.3	10	25	37	23.5	0.23
DS06B1-17	17	51.83	55.3	10	27	40	23.5	0.27
DS06B1-18	18	54.85	58.3	10	29	43	23.5	0.31
DS06B1-19	19	57.87	61.3	10	31	46	23.5	0.35
DS06B1-20	20	60.89	64.3	10	33	48	23.5	0.39
DS06B1-21	21	63.91	68.0	10	35	52	23.5	0.45
DS06B1-23	23	69.95	73.5	10	38	58	23.5	0.55
DS06B1-25	25	76.00	80.0	10	43	64	23.5	0.67

### For $\frac{1}{2}$ " Pitch Chains to ISO 606 - 08B-1

DS08B1-12	12	49.07	53.0	12	24	35	31	0.29
DS08B1-13	13	53.06	57.4	12	26	38	31	0.35
DS08B1-14	14	57.07	61.8	12	27	41	31	0.43
DS08B1-15	15	61.09	65.5	12	30	45	31	0.49
DS08B1-16	16	65.10	69.5	12	34	49	31	0.58
DS08B1-17	17	69.11	73.6	12	36	53	31	0.66
DS08B1-18	18	73.14	77.8	12	38	58	31	0.75
DS08B1-19	19	77.16	81.7	12	41	62	31	0.85
DS08B1-20	20	81.19	85.8	12	44	66	31	0.96
DS08B1-21	21	85.22	89.7	18	46	70	31	1.04
DS08B1-23	23	93.27	98.2	18	51	78	31	1.28
DS08B1-25	25	101.33	105.8	18	56	86	31	1.55

### For $\frac{5}{8}$ " Pitch Chains to ISO 606 - 10A-1 (ANSI 50)\* and 10B-1

DS10B1-12	12	61.34	68.0	19	30	45	36.5	0.55
DS10B1-13	13	66.32	73.0	19	34	50	36.5	0.66
DS10B1-14	14	71.34	78.0	19	36	55	36.5	0.80
DS10B1-15	15	76.36	83.0	19	40	60	36.5	0.94
DS10B1-16	16	81.37	88.0	19	43	65	36.5	1.11
DS10B1-17	17	86.38	93.0	19	46	70	36.5	1.25
DS10B1-18	18	91.42	98.3	19	50	75	36.5	1.43
DS10B1-19	19	96.45	103.3	19	54	80	36.5	1.62
DS10B1-20	20	101.49	108.4	19	58	85	36.5	1.81
DS10B1-21	21	106.52	113.4	19	60	90	36.5	2.02
DS10B1-23	23	116.58	123.4	19	65	100	36.5	2.47
DS10B1-25	25	126.66	134.0	19	72	110	36.5	2.97

### For $\frac{3}{4}$ " Pitch Chains to ISO 606 - 12B-1

DS12B1-12	12	73.61	81.5	24	35	53	45	1.05
DS12B1-13	13	79.59	87.5	24	39	59	45	1.24
DS12B1-14	14	85.61	93.6	24	43	65	45	1.46
DS12B1-15	15	91.63	99.8	24	47	71	45	1.63
DS12B1-16	16	97.65	105.5	24	51	77	45	1.94
DS12B1-17	17	103.67	111.5	24	56	83	45	2.18
DS12B1-18	18	109.71	118.0	24	59	89	45	2.50
DS12B1-19	19	115.75	124.2	24	63	95	45	2.83
DS12B1-20	20	121.78	129.7	24	66	101	45	3.17
DS12B1-21	21	127.82	136.0	24	70	107	45	3.54
DS12B1-23	23	139.90	149.0	24	78	119	45	4.33
DS12B1-25	25	152.00	160.0	24	85	131	45	5.20

### For 1" Pitch Chains to ISO 606 - 16B-1

DS16B1-12	12	98.14	109.0	25	47	72	63.5	2.50
DS16B1-13	13	106.12	117.0	25	54	81	63.5	3.13
DS16B1-14	14	114.15	125.0	25	58	88	63.5	3.75
DS16B1-15	15	122.17	133.0	25	64	97	63.5	4.36
DS16B1-16	16	130.20	141.0	25	69	104	63.5	5.00
DS16B1-17	17	138.22	149.0	25	75	113	63.5	5.78
DS16B1-18	18	146.28	157.0	25	80	121	63.5	6.56
DS16B1-19	19	154.33	165.2	25	86	129	63.5	7.40
DS16B1-20	20	162.38	173.2	25	90	137	63.5	8.29
DS16B1-21	21	170.43	181.2	25	96	145	63.5	9.21
DS16B1-23	23	186.53	197.5	25	108	161	63.5	11.18
DS16B1-25	25	202.66	213.5	25	116	177	63.5	13.38

†Maximum bore sizes listed allow for B.S. Standard Key. For Plain Bore, sizes can be increased approximately 20%.

Note: Stock sprockets can be supplied finished bored, keyed and/or setscrewed to customers requirements.

Above range of Double Simplex Sprockets are stock items. Other sizes can be manufactured to order on short lead time.

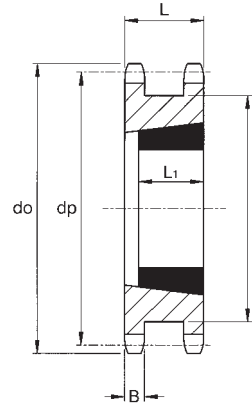
\*When sprockets used for ANSI 50 chain, chains must be mounted with connecting links facing away from sprocket.

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# Double Simplex Taper Bore Sprockets for $3/8''$ to $1''$ Pitch Roller Chains



## Simplex Sprocket

Chain No.	Tooth Width B	Sprocket Width L
06B-1	5.3	23.5
08B-1	7.2	31.0
10B-1	9.2	36.5
ANSI 50	9.2	36.5
12B-1	11.2	45.0
16B-1	16.2	63.5

Cat. No.	No. Teeth	Pitch Circle Ø dp	Outside Ø do	Taper Bore Bush		Hub Diameter A	Length L <sub>1</sub>	Approx. Weight kg
				Bush No.	Max. Bore			

### For $3/8''$ Pitch Chains to ISO 606 - 06B-1

DS06B1-18TB	18	54.85	58.3	1008	25	43	22.2	0.19
DS06B1-19TB	19	57.87	61.3	1008	25	46	22.2	0.23
DS06B1-20TB	20	60.89	64.3	1108	28	48	22.2	0.25
DS06B1-21TB	21	63.91	68.0	1108	28	52	22.2	0.31
DS06B1-23TB	23	69.95	73.5	1108	28	58	22.2	0.41
DS06B1-25TB	25	76.00	80.0	1108	28	64	22.2	0.53

### For $1/2''$ Pitch Chains to ISO 606 - 08B-1

DS08B1-15TB	15	61.09	65.5	1008	25	45	22.2	0.36
DS08B1-16TB	16	65.10	69.5	1108	28	49	22.2	0.43
DS08B1-17TB	17	69.11	73.6	1108	28	53	22.2	0.39
DS08B1-18TB	18	73.14	77.8	1210	32	58	25.4	0.48
DS08B1-19TB	19	77.16	81.7	1210	32	62	25.4	0.58
DS08B1-20TB	20	81.19	85.8	1210	32	66	25.4	0.65
DS08B1-21TB	21	85.22	89.7	1610	42	70	25.4	0.63
DS08B1-23TB	23	93.27	98.2	1610	42	78	25.4	0.87
DS08B1-25TB	25	101.33	105.8	2012	51	86	31.8	0.87

### For $3/4''$ Pitch Chains to ISO 606 - 10A-1 (ANSI 50)\* and 10B-1

DS10B1-12TB	12	61.34	68.0	1108	28	45	22.2	0.42
DS10B1-13TB	13	66.32	73.0	1108	28	50	22.2	0.53
DS10B1-14TB	14	71.34	78.0	1108	28	55	22.2	0.67
DS10B1-15TB	15	76.36	83.0	1210	32	60	25.4	0.64
DS10B1-16TB	16	81.37	88.0	1210	32	65	25.4	0.81
DS10B1-17TB	17	86.38	93.0	1610	42	70	25.4	0.80
DS10B1-18TB	18	91.42	98.3	1610	42	75	25.4	0.98
DS10B1-19TB	19	96.45	103.3	1610	42	80	25.4	1.17
DS10B1-20TB	20	101.49	108.4	1610	42	85	25.4	1.36
DS10B1-21TB	21	106.52	113.4	2012	51	90	31.8	1.24
DS10B1-23TB	23	116.58	123.4	2012	51	100	31.8	1.69
DS10B1-25TB	25	126.66	134.0	2012	51	110	31.8	2.20

### For $1''$ Pitch Chains to ISO 606 - 12B-1

DS12B1-13TB	13	79.59	87.5	1210	32	59	25.4	0.94
DS12B1-14TB	14	85.61	93.6	1210	32	65	25.4	1.16
DS12B1-15TB	15	91.63	99.8	1610	42	71	25.4	1.18
DS12B1-16TB	16	97.65	105.5	1610	42	77	25.4	1.49
DS12B1-17TB	17	103.67	111.5	1610	42	83	25.4	1.73
DS12B1-18TB	18	109.71	118.0	2012	51	89	31.8	1.62
DS12B1-19TB	19	115.75	124.2	2012	51	95	31.8	1.95
DS12B1-20TB	20	121.78	129.7	2517	65	101	44.5	1.70
DS12B1-21TB	21	127.82	136.0	2517	65	107	44.5	2.05
DS12B1-23TB	23	139.90	149.0	2517	65	119	44.5	2.85
DS12B1-25TB	25	152.00	160.0	2517	65	131	44.5	3.75

### For $1''$ Pitch Chains to ISO 606 - 16B-1

DS16B1-12TB	12	98.14	109.0	1615	42	72	38.1	1.90
DS16B1-13TB	13	106.12	117.0	1615	42	81	38.1	2.50
DS16B1-14TB	14	114.15	125.0	2012	51	88	31.8	2.50
DS16B1-15TB	15	122.17	133.0	2012	51	97	31.8	3.10
DS16B1-16TB	16	130.20	141.0	2012	51	104	31.8	3.75
DS16B1-17TB	17	138.22	149.0	2517	65	113	44.5	3.90
DS16B1-18TB	18	146.28	157.0	2517	65	121	44.5	4.70
DS16B1-19TB	19	154.33	165.2	2517	65	129	44.5	5.50
DS16B1-20TB	20	162.38	173.2	3020	76	137	50.8	5.15
DS16B1-21TB	21	170.43	181.2	3020	76	145	50.8	6.05
DS16B1-23TB	23	186.53	197.5	3525	90	161	63.5	7.20
DS16B1-25TB	25	202.66	213.5	3525	90	177	63.5	9.40

All dimensions in mm. Details Taper Bore Bushes refer to pp 38/39.

\*When sprockets used for ANSI 50 chain, chains must be mounted with connecting links facing away from sprocket.

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