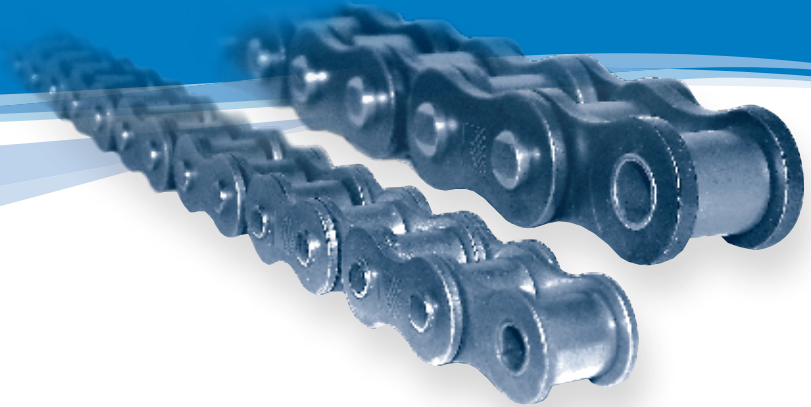




Features

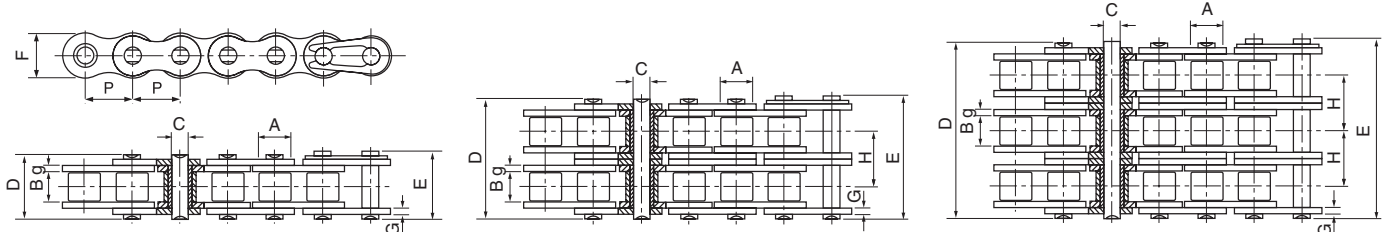
- Working temperatures -30°C to $+160^{\circ}\text{C}$
- Steel grades:
 - Plates S50C
 - Rollers S18C
 - Bushes SCM420

Roller Chain

British Standard Roller Chain

BS228, ISO R606, DIN 8187

Series B Roller Chain



ISO Chain number	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Transverse pitch	Minimum tensile strength	Average tensile strength	Mass per metre
	P	A	B	C	D	E	F	g/G	H	kN	kN	kg/m
SIMPLEX												
04B-1	6.000	4.00	2.80	1.85	6.80	7.80	5.00	0.60		3.00	3.20	0.11
05B-1	8.000	5.00	3.00	2.31	8.20	8.90	7.10	0.80		5.00	5.90	0.20
*06B-1	9.525	6.35	5.72	3.28	13.15	14.10	8.20	1.30		9.00	10.40	0.41
08B-1	12.700	8.51	7.75	4.45	16.70	18.20	11.80	1.60		18.00	19.40	0.69
10B-1	15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.70		22.40	27.50	0.93
12B-1	19.050	12.07	11.68	5.72	22.50	24.20	16.00	1.85		29.00	32.20	1.15
16B-1	25.400	15.88	17.02	8.28	36.10	37.40	21.00	4.15/3.1		60.00	72.80	2.71
20B-1	31.750	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5		95.00	106.70	3.70
24B-1	38.100	25.40	25.40	14.63	53.40	57.80	33.20	6.0/4.8		160.00	178.00	7.10
28B-1	44.450	27.94	30.99	15.90	65.10	69.50	36.70	7.5/6.0		200.00	222.00	8.50
32B-1	50.800	29.21	30.99	17.81	66.00	71.00	42.00	7.0/6.0		250.00	277.50	10.25
40B-1	63.500	39.37	38.10	22.89	82.20	89.20	52.96	8.5/8.0		355.00	394.00	16.35
48B-1	76.200	48.26	45.72	29.24	99.10	107.00	63.80	12/10		560.00	621.60	25.00
DUPLEX												
05B-2	8.000	5.00	3.00	2.31	13.90	14.50	7.10	0.80	5.64	7.80	10.20	0.33
*06B-2	9.525	6.35	5.72	3.28	23.40	24.40	8.20	1.30	10.24	16.90	18.70	0.77
08B-2	12.700	8.51	7.75	4.45	31.20	32.20	11.80	1.60	13.92	32.00	38.70	1.34
10B-2	15.875	10.16	9.65	5.08	36.10	37.50	14.70	1.70	16.59	44.50	56.20	1.84
12B-2	19.050	12.07	11.68	5.72	42.00	43.60	16.00	1.85	19.46	57.80	66.10	2.31
16B-2	25.400	15.88	17.02	8.28	68.00	69.30	21.00	4.15/3.1	31.88	106.00	133.00	5.42
20B-2	31.750	19.05	19.56	10.19	77.80	81.50	26.40	4.5/3.5	36.45	170.00	211.20	7.20
24B-2	38.100	25.40	25.40	14.63	101.70	106.20	33.20	6.0/4.8	48.36	280.00	319.20	13.40
28B-2	44.450	27.94	30.99	15.90	124.60	129.10	36.70	7.5/6.0	59.56	360.00	406.80	16.60
32B-2	50.800	29.21	30.99	17.81	124.60	129.60	42.00	7.0/6.0	58.55	450.00	508.50	21.00
40B-2	63.500	39.37	38.10	22.89	154.50	161.50	52.96	8.5/8.0	72.29	630.00	711.90	32.00
48B-2	76.200	48.26	45.72	29.24	190.40	198.20	63.80	12/10	91.21	1000.00	1130.00	50.00
TRIPLEX												
05B-3	8.000	5.00	3.00	2.31	19.50	20.20	7.10	0.80	5.64	11.10	13.80	0.48
*06B-3	9.525	6.35	5.72	3.28	33.50	34.60	8.20	1.30	10.24	24.90	30.10	1.16
08B-3	12.700	8.51	7.75	4.45	45.10	46.10	11.80	1.60	13.92	47.50	57.80	2.03
10B-3	15.875	10.16	9.65	5.08	52.70	54.10	14.70	1.70	16.59	66.70	84.50	2.77
12B-3	19.050	12.07	11.68	5.72	61.50	63.10	16.00	1.85	19.46	86.70	101.80	3.46
16B-3	25.400	15.88	17.02	8.28	99.80	101.20	21.00	4.15/3.1	31.88	160.00	203.70	8.13
20B-3	31.750	19.05	19.56	10.19	114.20	117.90	26.40	4.5/3.5	36.45	250.00	290.00	10.82
24B-3	38.100	25.40	25.40	14.63	150.10	154.60	33.20	6.0/4.8	48.36	425.00	493.00	20.10
28B-3	44.450	27.94	30.99	15.90	184.20	188.70	36.70	7.5/6.0	59.56	530.00	609.50	24.92
32B-3	50.800	29.21	30.99	17.81	183.20	188.20	42.00	7.0/6.0	58.55	670.00	770.50	31.56
40B-3	63.500	39.37	38.10	22.89	226.80	233.80	52.96	8.5/8.0	72.29	950.00	1092.50	48.10
48B-3	76.200	48.26	45.72	29.24	281.60	289.40	63.80	12/10	91.21	1500.00	1710.00	75.00

* Straight Side Plate Chain

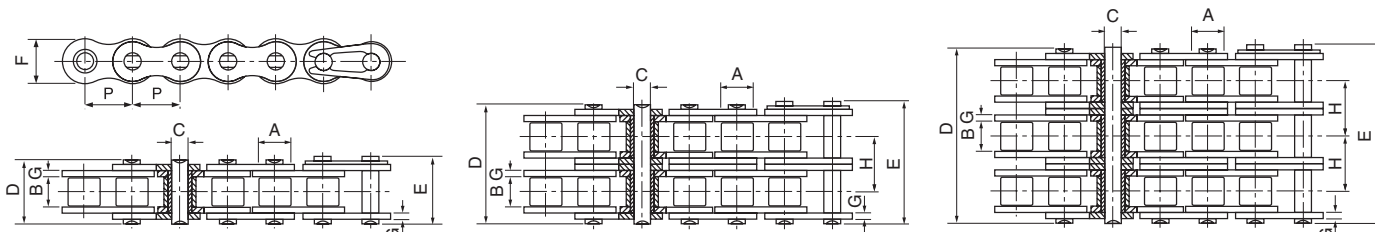
Standard boxed lengths are 5 metres
Special lengths available

Roller Chain

ANSI Standard Roller Chain

ANSI B29.1, ISO R606, DIN 8188

Series A Roller Chain



ANSI Chain number	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Transverse pitch	Minimum tensile strength	Average tensile strength	Mass per metre
	P	A	B	C	D	E	F	G	H	kN	kN	kg/m
SIMPLEX												
*15	4.763	2.48	2.38	1.62	6.10	6.90	4.30	0.60		1.8	2.0	0.08
*25-1	6.350	3.30	3.18	2.31	7.90	8.40	6.00	0.80		3.5	4.6	0.15
*35-1	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.30		7.9	10.8	0.33
41-1	12.700	7.77	6.25	3.58	13.75	15.00	9.91	1.30		6.7	12.6	0.41
40-1	12.700	7.95	7.85	3.96	16.60	17.80	12.00	1.50		14.1	17.5	0.62
50-1	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.03		22.2	29.4	1.02
60-1	19.050	11.91	12.57	5.94	25.90	27.70	18.00	2.42		31.8	41.5	1.50
80-1	25.400	15.88	15.75	7.92	32.70	35.00	24.00	3.25		56.7	69.4	2.60
100-1	31.750	19.05	18.90	9.53	40.40	44.70	30.00	4.00		88.5	109.2	3.91
120-1	38.100	22.23	25.22	11.10	50.30	54.30	35.70	4.80		127.0	156.3	5.62
140-1	44.450	25.40	25.22	12.70	54.40	59.00	41.00	5.60		172.4	212.0	7.50
160-1	50.800	28.58	31.55	14.27	64.80	69.60	47.80	6.40		226.8	278.9	10.10
180-1	57.150	35.71	35.48	17.46	72.80	78.60	53.60	7.20		280.2	341.8	13.45
200-1	63.500	39.68	37.85	19.85	80.30	87.20	60.00	8.00		353.8	431.6	16.15
240-1	76.200	47.63	47.35	23.81	95.50	103.00	72.39	9.50		510.3	622.5	23.20
DUPLEX												
*25-2	6.350	3.30	3.18	2.31	14.50	15.00	6.00	0.80	6.40	7.0	8.6	0.28
*35-2	9.525	5.08	4.77	3.58	22.50	23.30	9.00	1.30	10.13	15.8	19.7	0.63
41-2	12.700	7.77	6.25	3.58	25.70	26.90	9.91	1.30	11.95	13.3	16.9	0.81
40-2	12.700	7.95	7.85	3.96	31.00	32.20	12.00	1.50	14.38	28.2	35.9	1.12
50-2	15.875	10.16	9.40	5.08	38.90	40.40	15.09	2.03	18.11	44.4	58.1	2.00
60-2	19.050	11.91	12.57	5.94	48.80	50.50	18.00	2.42	22.78	63.6	82.1	2.92
80-2	25.400	15.88	15.75	7.92	62.70	64.30	24.00	3.25	29.29	113.4	141.8	5.15
100-2	31.750	19.05	18.90	9.53	76.40	80.50	30.00	4.00	35.76	177.0	219.4	7.80
120-2	38.100	22.23	25.22	11.10	95.80	99.70	35.70	4.80	45.44	254.0	314.9	11.70
140-2	44.450	25.40	25.22	12.70	103.30	107.90	41.00	5.60	48.87	344.8	427.5	15.14
160-2	50.800	28.58	31.55	14.27	123.30	128.10	47.80	6.40	58.55	453.6	562.4	20.14
180-2	57.150	35.71	35.48	17.46	138.60	144.40	53.60	7.20	65.84	560.5	695.0	29.22
200-2	63.500	39.68	37.85	19.85	151.90	158.80	60.00	8.00	71.55	707.6	877.4	32.24
240-2	76.200	47.63	47.35	23.81	183.40	190.80	72.39	9.50	87.83	1020.6	1255.3	45.23
TRIPLEX												
*25-3	6.350	3.30	3.18	2.31	21.00	21.50	6.00	0.80	6.40	10.5	12.6	0.44
*35-3	9.525	5.08	4.77	3.58	32.70	33.50	9.00	1.30	10.13	23.7	28.6	1.05
40-3	12.700	7.95	7.85	3.96	45.40	46.60	12.00	1.50	14.38	42.3	50.0	1.90
50-3	15.875	10.16	9.40	5.08	57.00	58.50	15.09	2.03	18.11	66.6	77.8	3.09
60-3	19.050	11.91	12.57	5.94	71.50	73.30	18.00	2.42	22.78	95.4	111.1	4.54
80-3	25.400	15.88	15.75	7.92	91.70	93.60	24.00	3.25	29.29	170.1	198.4	7.89
100-3	31.750	19.05	18.90	9.53	112.20	116.30	30.00	4.00	35.76	265.5	309.6	11.77
120-3	38.100	22.23	25.22	11.10	141.40	145.20	35.70	4.80	45.44	381.0	437.2	17.53
140-3	44.450	25.40	25.22	12.70	152.20	156.80	41.00	5.60	48.87	517.2	593.3	22.20
160-3	50.800	28.58	31.55	14.27	181.80	186.60	47.80	6.40	58.55	680.4	780.6	30.02
180-3	57.150	35.71	35.48	17.46	204.40	210.20	53.60	7.20	65.84	840.7	983.6	38.22
200-3	63.500	39.68	37.85	19.85	223.50	230.40	60.00	8.00	71.55	1061.4	1217.8	49.03
240-3	76.200	47.63	47.35	23.81	271.30	278.60	72.39	9.50	87.83	1530.9	1756.5	71.60

* Bush chain: A in the table indicates the external diameter of the bush

Standard boxed lengths are 5 metres. Special lengths available.

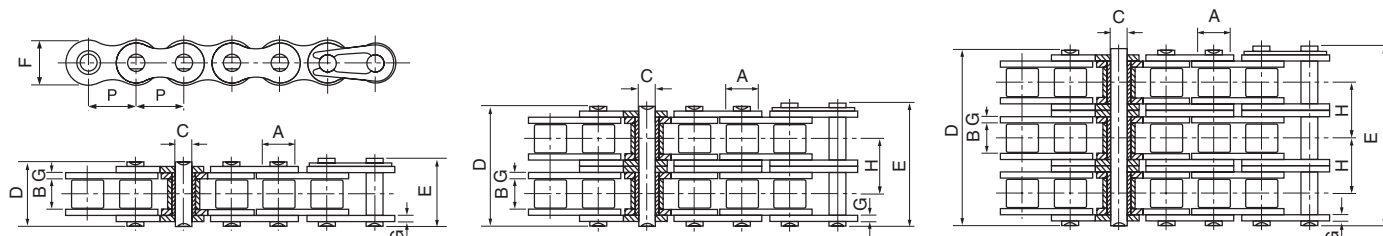
Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused. All dimensions in millimetres unless otherwise stated.

Roller Chain

ANSI Heavy Duty Roller Chain

ANSI B29.1, ISO R606, DIN 8188

ANSI Heavy Duty Roller Chain



ANSI Chain number	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Transverse pitch	Minimum tensile strength	Average tensile strength	Mass per metre
	P	A	B	C	D	E	F	G	H	kN	kN	kg/m
SIMPLEX												
40H-1	12.700	7.95	7.85	3.96	18.80	19.90	12.00	2.03		14.10	19.10	0.82
50H-1	15.875	10.16	9.40	5.08	22.10	23.40	15.09	2.42		22.20	30.20	1.25
60H-1	19.050	11.91	12.57	5.94	29.20	31.00	18.00	3.25		31.80	42.70	1.87
80H-1	25.400	15.88	15.75	7.92	36.20	37.70	24.00	4.00		56.70	71.40	3.10
100H-1	31.750	19.05	18.90	9.53	43.60	46.90	30.00	4.80		88.50	112.40	4.52
120H-1	38.100	22.23	25.22	11.10	53.50	57.50	35.70	5.60		127.00	160.90	6.60
140H-1	44.450	25.40	25.22	12.70	57.60	62.20	41.00	6.40		172.40	217.30	8.30
160H-1	50.800	28.58	31.55	14.27	68.20	73.00	47.80	7.20		226.80	285.80	10.30
200H-1	63.500	39.68	37.85	19.85	86.60	93.50	60.00	9.50		353.80	444.50	19.16
DUPLEX												
60H-2	19.050	11.91	12.57	5.94	55.30	57.10	18.00	3.25	26.11	63.60	84.50	3.71
80H-2	25.400	15.88	15.75	7.92	68.80	70.30	24.00	4.00	32.59	113.40	145.30	6.15
100H-2	31.750	19.05	18.90	9.53	82.70	86.00	30.00	4.80	39.09	177.00	225.90	9.03
120H-2	38.100	22.23	25.22	11.10	102.40	106.40	35.70	5.60	48.87	254.00	322.70	13.13
140H-2	44.450	25.40	25.22	12.70	109.80	114.40	41.00	6.40	52.20	344.80	437.70	16.60
160H-2	50.800	28.58	31.55	14.27	130.10	134.90	47.80	7.20	61.90	453.60	571.60	20.20
200H-2	63.500	39.68	37.85	19.85	164.90	171.80	60.00	9.50	78.31	707.60	894.90	38.11
TRIPLEX												
60H-3	19.050	11.91	12.57	5.94	81.40	83.20	18.00	3.25	26.11	95.40	113.90	5.54
80H-3	25.400	15.88	15.75	7.92	101.40	102.90	24.00	4.00	32.59	170.10	203.50	9.42
100H-3	31.750	19.05	18.90	9.53	121.80	125.10	30.00	4.80	39.09	265.50	314.80	12.96
120H-3	38.100	22.23	25.22	11.10	151.20	155.20	35.70	5.60	48.87	381.00	444.70	19.64
140H-3	44.450	25.40	25.22	12.70	162.00	166.60	41.00	6.40	52.20	517.20	598.40	24.90
160H-3	50.800	28.58	31.55	14.27	192.00	196.80	47.80	7.20	61.90	680.40	787.30	30.10
200H-3	63.500	39.68	37.85	19.85	243.20	250.10	60.00	9.50	78.31	1061.40	1228.20	57.06

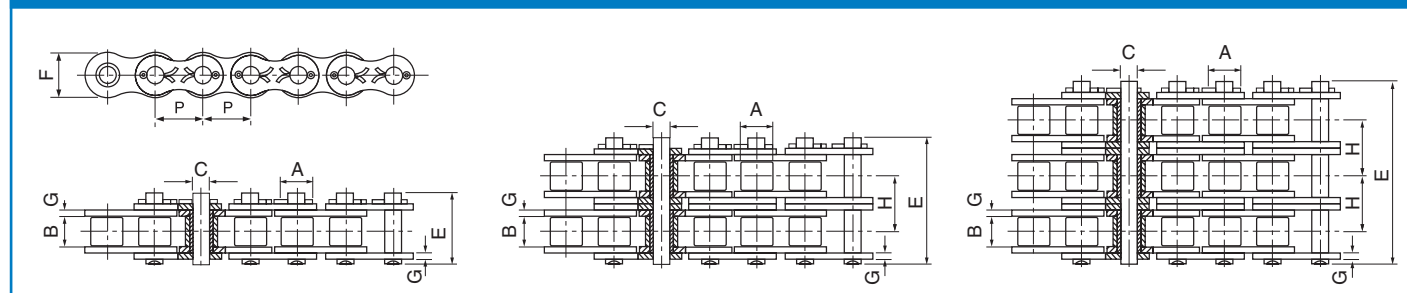
Standard boxed lengths are 5 metres
Special lengths available.

Roller Chain

ANSI Cottered Series Roller Chain

ANSI B29.1, ISO R606, DIN 8188

ANSI Cottered A Series Roller Chain



ANSI Chain number	Pitch P	Roller diameter A	Width between inner plates B	Pin diameter C	Pin length E	Inner plate height F	Plate thickness G	Transverse pitch H	Minimum tensile strength kN	Average tensile strength kN	Mass per metre kg/m
SIMPLEX											
50-1	15.875	10.16	9.40	5.08	23.00	15.09	2.03		22.20	29.40	1.02
60-1	19.050	11.91	12.57	5.94	28.30	18.00	2.42		31.80	41.50	1.50
80-1	25.400	15.88	15.75	7.92	36.50	24.00	3.25		56.70	69.40	2.60
100-1	31.750	19.05	18.90	9.53	44.70	30.00	4.00		88.50	109.20	3.91
120-1	38.100	22.23	25.22	11.10	54.30	35.70	4.80		127.00	156.30	5.62
140-1	44.450	25.40	25.22	12.70	59.00	41.00	5.60		172.40	212.00	7.50
160-1	50.800	28.58	31.55	14.27	69.60	47.80	6.40		226.80	278.90	10.10
180-1	57.150	35.71	35.48	17.46	78.60	53.60	7.20		280.20	341.80	13.45
200-1	63.500	39.68	37.85	19.85	87.20	60.00	8.00		353.80	431.60	16.15
240-1	76.200	47.63	47.35	23.81	103.00	72.39	9.50		510.30	622.50	23.20
DUPLEX											
50-2	15.875	10.16	9.40	5.08	41.20	15.09	2.03	18.11	44.40	58.10	2.00
60-2	19.050	11.91	12.57	5.94	51.10	18.00	2.42	22.78	63.60	82.10	2.92
80-2	25.400	15.88	15.75	7.92	65.80	24.00	3.25	29.29	113.40	141.80	5.15
100-2	31.750	19.05	18.90	9.53	80.50	30.00	4.00	35.76	177.00	219.40	7.80
120-2	38.100	22.23	25.22	11.10	99.70	35.70	4.80	45.44	254.00	314.90	11.70
140-2	44.450	25.40	25.22	12.70	107.90	41.00	5.60	48.87	344.80	427.50	15.14
160-2	50.800	28.58	31.55	14.27	128.10	47.80	6.40	58.55	453.60	562.40	20.14
180-2	57.150	35.71	35.48	17.46	144.40	53.60	7.20	65.84	560.50	695.00	29.22
200-2	63.500	39.68	37.85	19.85	158.80	60.00	8.00	71.55	707.60	877.40	32.24
240-2	76.200	47.63	47.35	23.81	190.80	72.39	9.50	87.83	1020.60	1255.30	45.23
TRIPLEX											
50-3	15.875	10.16	9.40	5.08	59.30	15.09	2.03	18.11	66.60	77.80	3.09
60-3	19.050	11.91	12.57	5.94	73.90	18.00	2.42	22.78	95.40	111.10	4.54
80-3	25.400	15.88	15.75	7.92	93.60	24.00	3.25	29.29	170.10	198.40	7.89
100-3	31.750	19.05	18.90	9.53	116.30	30.00	4.00	35.76	265.50	309.60	11.77
120-3	38.100	22.23	25.22	11.10	145.20	35.70	4.80	45.44	381.00	437.20	17.53
140-3	44.450	25.40	25.22	12.70	156.80	41.00	5.60	48.87	517.20	593.30	22.20
160-3	50.800	28.58	31.55	14.27	186.60	47.80	6.40	58.55	680.40	780.60	30.02
180-3	57.150	35.71	35.48	17.46	210.20	53.60	7.20	65.84	840.70	983.60	38.22
200-3	63.500	39.68	37.85	19.85	230.40	60.00	8.00	71.55	1061.40	1217.80	49.03
240-3	76.200	47.63	47.35	23.81	278.60	72.39	9.50	87.83	1530.90	1756.50	71.60

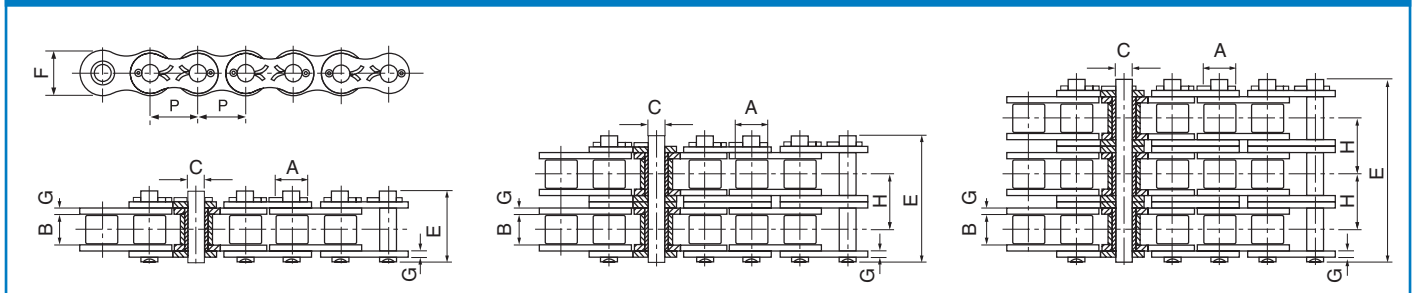
Standard boxed lengths are 5 metres
Special lengths available.

Roller Chain

ANSI Cottered Heavy Duty Roller Chain

ANSI B29.1, ISO R606, DIN 8188

ANSI Cottered Heavy Duty Roller Chain



ANSI Chain number	Pitch P	Roller diameter A	Width between inner plates B	Pin diameter C	Pin length E	Inner plate height F	Plate thickness G	Transverse pitch H	Minimum tensile strength kN	Average tensile strength kN	Mass per metre kg/m
SIMPLEX											
50H-1	15.875	10.16	9.40	5.08	24.40	15.09	2.42		22.20	30.20	1.25
60H-1	19.050	11.91	12.57	5.94	31.60	18.00	3.25		31.80	42.70	1.87
80H-1	25.400	15.88	15.75	7.92	39.40	24.00	4.00		56.70	71.40	3.10
100H-1	31.750	19.05	18.90	9.53	46.90	30.00	4.80		88.50	112.40	4.52
120H-1	38.100	22.23	25.22	11.10	57.50	35.70	5.60		127.00	160.90	6.60
140H-1	44.450	25.40	25.22	12.70	62.20	41.00	6.40		172.40	217.30	8.30
160H-1	50.800	28.58	31.55	14.27	73.00	47.80	7.20		226.80	285.80	10.30
200H-1	63.500	39.68	37.85	19.85	93.50	60.00	9.50		353.80	444.50	19.16
DUPLEX											
60H-2	19.050	11.91	12.57	5.94	57.70	18.00	3.25	26.11	63.60	84.50	3.71
80H-2	25.400	15.88	15.75	7.92	72.00	24.00	4.00	32.59	113.40	145.30	6.15
100H-2	31.750	19.05	18.90	9.53	86.00	30.00	4.80	39.09	177.00	225.90	9.03
120H-2	38.100	22.23	25.22	11.10	106.40	35.70	5.60	48.87	254.00	322.70	13.13
140H-2	44.450	25.40	25.22	12.70	114.40	41.00	6.40	52.20	344.80	437.70	16.60
160H-2	50.800	28.58	31.55	14.27	134.90	47.80	7.20	61.90	453.60	571.60	20.20
200H-2	63.500	39.68	37.85	19.85	171.80	60.00	9.50	78.31	707.60	894.90	31.11
TRIPLEX											
60H-3	19.050	11.91	12.57	5.94	83.80	18.00	3.25	26.11	95.40	113.90	5.54
80H-3	25.400	15.88	15.75	7.92	104.60	24.00	4.00	32.59	170.10	203.50	9.42
100H-3	31.750	19.05	18.90	9.53	125.10	30.00	4.80	39.09	265.50	314.80	12.96
120H-3	38.100	22.23	25.22	11.10	155.20	35.70	5.60	48.87	381.00	444.70	19.64
140H-3	44.450	25.40	25.22	12.70	166.60	41.00	6.40	52.20	517.20	598.40	24.90
160H-3	50.800	28.58	31.55	14.27	196.80	47.80	7.20	61.90	680.40	787.30	30.10
200H-3	63.500	39.68	37.85	19.85	250.10	60.00	9.50	78.31	1061.40	1228.20	57.06

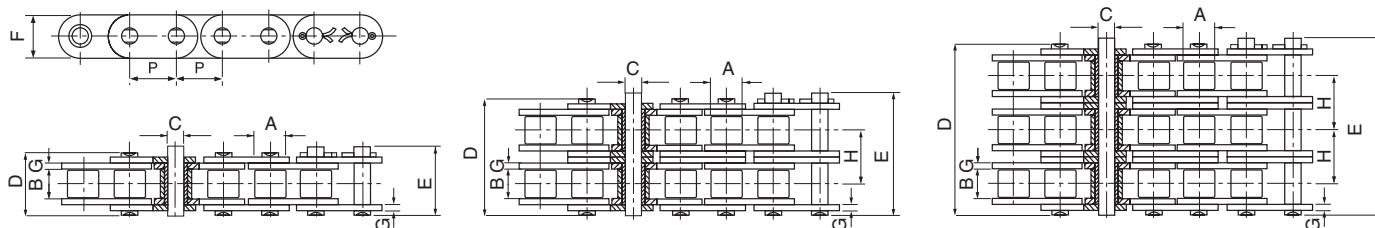
Standard boxed lengths are 5 metres
Special lengths available.

Roller Chain

ANSI Straight Side Plate Roller Chain

ANSI B29.1, ISO R606, DIN 8188

ANSI Straight Side Plate Roller Chain



ANSI Chain number	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Transverse pitch	Minimum tensile strength	Average tensile strength	Mass per metre
	P	A	B	C	D	E	F	G	H	kN	kN	kg/m
SIMPLEX												
C40-1	12.700	7.95	7.85	3.96	16.60	18.80	12.00	1.50		14.10	17.50	0.73
C50-1	15.875	10.16	9.40	5.08	20.70	23.30	15.09	2.03		22.20	29.40	1.23
C60-1	19.050	11.91	12.57	5.94	25.90	28.30	18.0/18.2	2.42		31.80	41.50	1.81/1.83
C80-1	25.400	15.88	15.75	7.92	32.70	36.50	24.00	3.25		56.70	69.40	3.09
C100-1	31.750	19.05	18.90	9.53	40.40	44.70	30.00	4.00		88.50	109.20	4.56
C120-1	38.100	22.23	25.22	11.10	50.30	54.30	35.70	4.80		127.00	156.30	6.86
C140-1	44.450	25.40	25.22	12.70	54.40	59.00	41.00	5.60		172.40	212.00	8.49
C160-1	50.800	28.58	31.55	14.27	64.80	69.60	47.80	6.40		226.80	278.90	11.50
DUPLEX												
C40-2	12.700	7.95	7.85	3.96	31.00	33.20	12.00	1.50	14.38	28.20	35.90	1.43
C50-2	15.875	10.16	9.40	5.08	38.90	41.40	15.09	2.03	18.11	44.40	58.10	2.42
C60-2	19.050	11.91	12.57	5.94	48.80	51.10	18.0/18.2	2.42	22.78	63.60	82.10	3.58/3.62
C80-2	25.400	15.88	15.75	7.92	62.70	65.80	24.00	3.25	29.29	113.40	141.80	6.12
C100-2	31.750	19.05	18.90	9.53	76.40	80.50	30.00	4.00	35.76	177.00	219.40	9.08
C120-2	38.100	22.23	25.22	11.10	95.80	99.70	35.70	4.80	45.44	254.00	314.90	13.60
C140-2	44.450	25.40	25.22	12.70	103.30	107.90	41.00	5.60	48.87	344.80	427.50	16.86
C160-2	50.800	28.58	31.55	14.27	123.30	128.10	47.80	6.40	58.55	453.60	562.40	22.90
TRIPLEX												
C40-3	12.700	7.95	7.85	3.96	45.40	47.60	12.00	1.50	14.38	42.30	50.00	2.14
C50-3	15.875	10.16	9.40	5.08	57.00	59.50	15.09	2.03	18.11	66.60	77.80	3.62
C60-3	19.050	11.91	12.57	5.94	71.50	73.90	18.0/18.2	2.42	22.78	95.40	111.10	5.36/5.41
C80-3	25.400	15.88	15.75	7.92	91.70	95.10	24.00	3.25	29.29	170.10	198.40	9.10
C100-3	31.750	19.05	18.90	9.53	112.20	116.30	30.00	4.00	35.76	265.50	309.60	13.60
C120-3	38.100	22.23	25.22	11.10	141.40	145.20	35.70	4.80	45.44	381.00	437.20	20.43
C140-3	44.450	25.40	25.22	12.70	152.20	156.80	41.00	5.60	48.87	517.20	593.30	25.23
C160-3	50.800	28.58	31.55	14.27	181.80	186.60	47.80	6.40	58.55	680.40	780.60	34.19

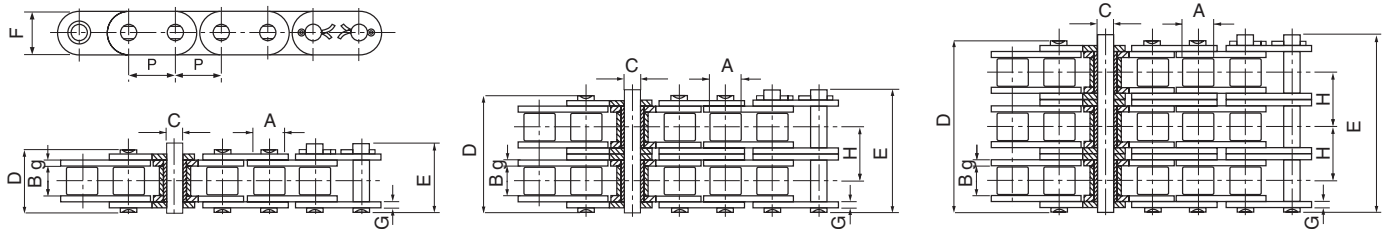
Standard boxed lengths are 5 metres
Special lengths available.

Roller Chain

BS Straight Side Plate Roller Chain

ANSI B29.1, ISO R606, DIN 8187

BS Straight Side Plate Roller Chain

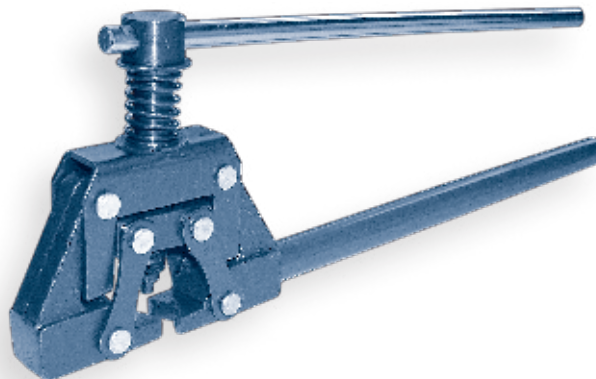


ISO Chain number	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Transverse pitch	Minimum tensile strength	Average tensile strength	Mass per metre
	P	A	B	C	D	E	F	g/G	H	kN	kN	kg/m
SIMPLEX												
08B-1 GL	12.700	8.51	7.75	4.45	16.70	18.20	11.80	1.60		18.00	19.50	0.80
10B-1 GL	15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.70		22.40	27.90	1.06
12B-1 GL	19.050	12.07	11.68	5.72	22.50	25.20	16.00	1.85		29.00	32.20	1.32
16B-1 GL	25.400	15.88	17.02	8.28	36.10	39.10	21.0/24.0	4.15/3.1		60.00	72.80	3.08/3.49
20B-1 GL	31.750	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5		95.00	106.70	4.16
24B-1 GL	38.100	25.40	25.40	14.63	53.40	57.80	33.20	6.0/4.8		160.00	178.00	7.47
28B-1 GL	44.450	27.94	30.99	15.90	65.10	69.50	36.70	7.5/6.0		200.00	222.00	9.90
32B-1 GL	50.800	29.21	30.99	17.81	66.00	71.00	42.00	7.0/6.0		250.00	277.50	10.45
DUPLEX												
08B-2 GL	12.700	8.51	7.75	4.45	31.20	32.20	11.80	1.60	13.92	32.00	38.70	1.45
10B-2 GL	15.875	10.16	9.65	5.08	36.10	37.50	14.70	1.70	16.59	44.50	57.80	2.00
12B-2 GL	19.050	12.07	11.68	5.72	42.00	44.70	16.00	1.85	19.46	57.80	66.10	2.62
16B-2 GL	25.400	15.88	17.02	8.28	68.00	71.00	21.0/24.0	4.15/3.1	31.88	106.00	133.00	6.10/6.92
20B-2 GL	31.750	19.05	19.56	10.19	77.80	81.50	26.40	4.5/3.5	36.45	170.00	211.20	8.23
24B-2 GL	38.100	25.40	25.40	14.63	101.70	106.20	33.20	6.0/4.8	48.36	280.00	319.20	14.77
28B-2 GL	44.450	27.94	30.99	15.90	124.60	129.10	36.70	7.5/6.0	59.56	360.00	406.80	19.82
32B-2 GL	50.800	29.21	30.99	17.81	124.60	129.60	42.00	7.0/6.0	58.55	450.00	508.50	20.94
TRIPLEX												
08B-3 GL	12.700	8.51	7.75	4.45	45.10	46.10	11.80	1.60	13.92	47.50	57.80	2.10
10B-3 GL	15.875	10.16	9.65	5.08	52.70	54.10	14.70	1.70	16.59	66.70	84.50	2.87
12B-3 GL	19.050	12.07	11.68	5.72	61.50	64.20	16.00	1.85	19.46	86.70	101.80	3.89
16B-3 GL	25.400	15.88	17.02	8.28	99.80	102.90	21.0/24.0	4.15/3.1	31.88	160.00	203.70	9.12/10.34
20B-3 GL	31.750	19.05	19.56	10.19	114.20	117.90	26.40	4.5/3.5	36.45	250.00	290.00	11.34
24B-3 GL	38.100	25.40	25.40	14.63	150.10	154.60	33.20	6.0/4.8	48.36	425.00	493.00	22.10
28B-3 GL	44.450	27.94	30.99	15.90	184.20	188.70	36.70	7.5/6.0	59.56	530.00	609.50	29.64
32B-3 GL	50.800	29.21	30.99	17.81	183.20	188.20	42.00	7.0/6.0	58.55	670.00	770.50	31.27

Standard boxed lengths are 5 metres
Special lengths available.

Chain Breaker

Model	Range	
	From inch	To inch
101	3/8"	3/4"
102	3/4"	1.1/4"



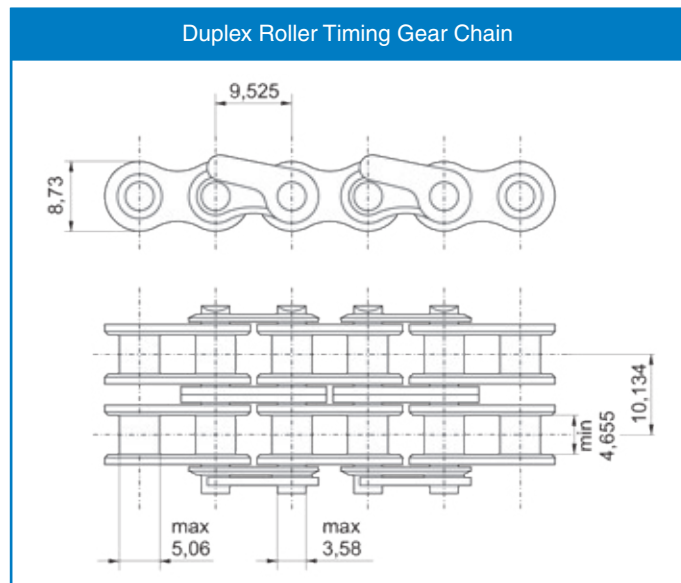
Roller Chain

Duplex Roller Timing Gear Chain (TC1)

Chain (type 3/8" x 3/16") with 54 links, joined, tightened and prerun. Tear strength: 15000 N.

Use:

The chain is used in the control of the engine 1500 cc for FSO1500, Fiat 125 motor cars.

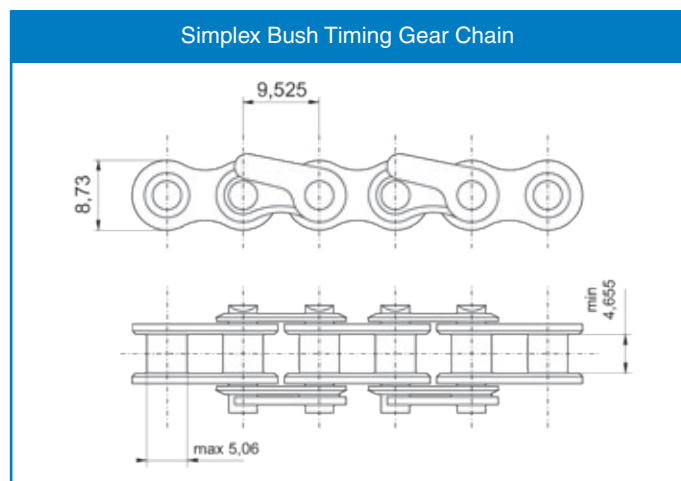


Simplex Bush Timing Gear Chain (TC2)

Chain (type 3/8" x 3/16") with 50 links, joined, tightened and prerun. Tear strength: 7500 N.

Use:

The chain is used in the control of the engine 650 cc (type M800AA.06.0) for Fiat 126 motor cars.

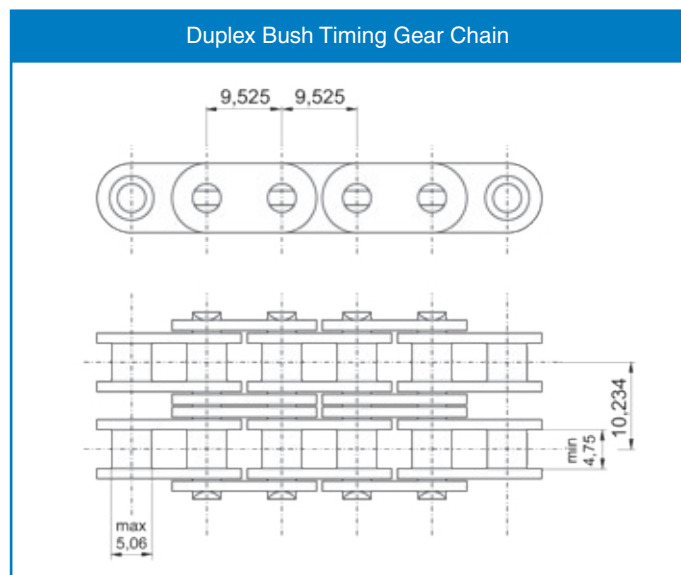


Duplex Bush Timing Gear Chain (TC3 & TC7)

Chain (type 3/8" x 3/16") with 116 links (TC3) or 114 links (TC7), joined, tightened and prerun. Tear strength: 16000 N.

Use:

The chain is used in the control of the engine for Lada motor cars.



Maintenance:

The chains should be maintained with working-maintenance oil, which need not be removed before assembling. When dirty, the chain should be cleaned in an organic solvent, like oil, petrol.

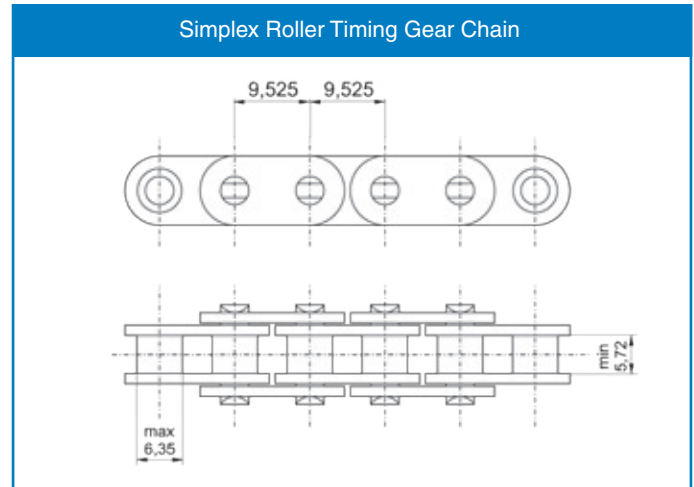
Roller Chain

Simplex Roller Timing Gear Chain (TC4)

Chain (type 3/8" x 7/32") with 50 links, joined, tightened and prerun.
Tear strength: 9100 N.

Use:

The chain is used in the control of the engine 700 cc (type M024AA.07.0, M024BA.07.B) for Fiat Cinquecento motor cars.

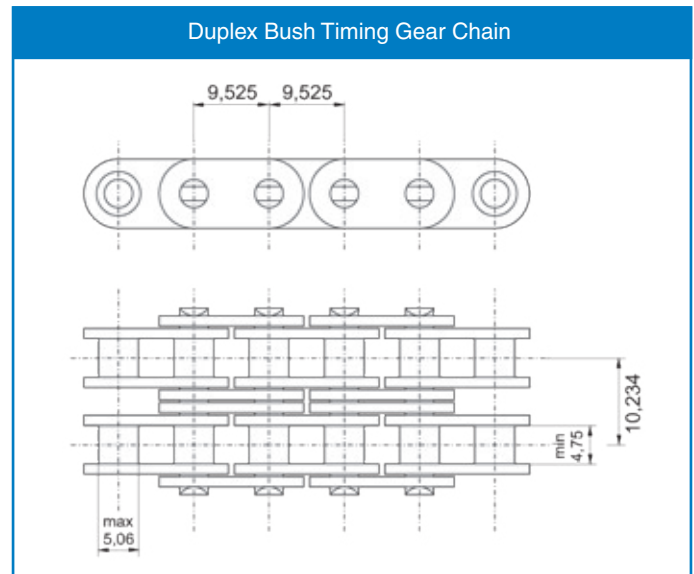


Duplex Bush Timing Gear Chain (TC5)

Chain (type 3/8" x 3/16") with 48 links, joined, tightened and prerun.
Tear strength: 16000 N.

Use:

The chain is used in the control of the engine 1300 cc for Skoda (105,120, Favorit, Felicia) motor cars.

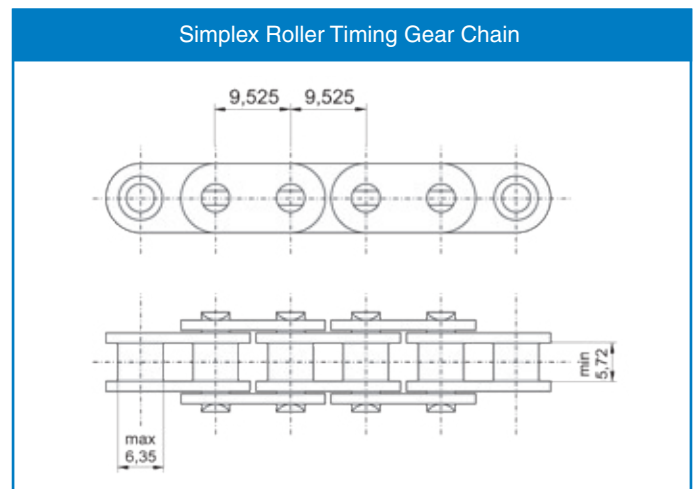


Simplex Roller Timing Gear Chain (TC6)

Chain (type 3/8" x 7/32") with 58 links, joined, tightened and prerun.
Tear strength: 9100 N.

Use:

The chain is used in the control of the engine 1300 cc for Dacia motor cars.



Maintenance:

The chains should be maintained with working-maintenance oil, which need not be removed before assembling. When dirty, the chain should be cleaned in an organic solvent, like oil, petrol.

Roller Chain

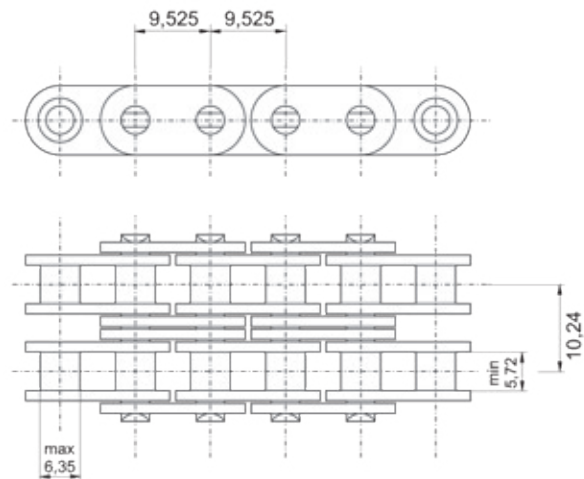
Duplex Roller Timing Gear Chain (TC8)

Chain (type 3/8" x 7/32") with 44 links, joined, tightened and prerun.
Tear strength: 15000 N.

Use:

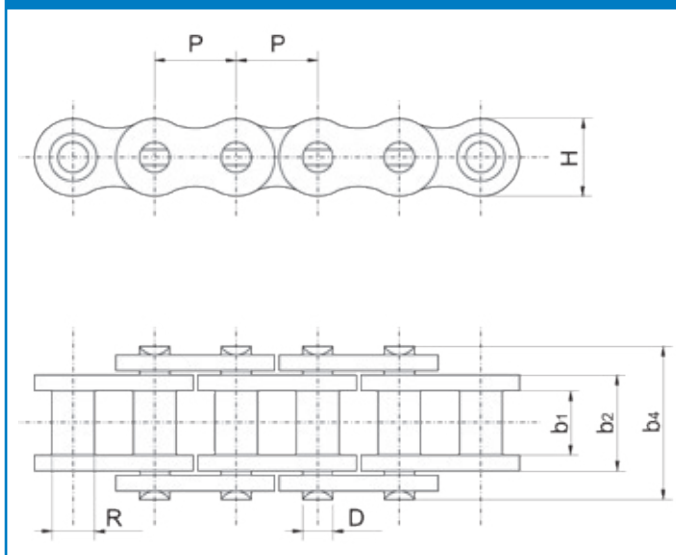
The chain is used in the control of the engine 900cc
(type M618AA.08.T, M020AA.09.0)
for Fiat (Cinquecento, Seicento) motor cars.

Duplex Roller Timing Gear Chain



Bush Chain (LS1)

Bush Chain



Maintenance:

The chains should be maintained with working-maintenance oil, which need not be removed before assembling. When dirty, the chain should be cleaned in an organic solvent, like oil, petrol.

Chain Number ISO/DIN	Pitch	Working dimensions	Bush dia. / Ø	Pin dia. / Ø	Pin length	Overall dimensions		Tensile strength
	P	b1 max	R max	D max	b4 max	b2 max	H max	
LS1	mm	mm	mm	mm	mm	mm	mm	N
	9,525	7,50	5,00	3,53	16,50	11,20	9,00	11000
LS1	inch	inch	inch	inch	inch	inch	inch	lbf
	0,375	0,295	0,197	0,139	0,650	0,441	0,354	2472

Roller Chain

Bicycle Chains 1/2"x1/8" (ISO/DIN 081)

Strength of the chains: min. 8200 N

Finish BC1 Standard: - black

Finish BC1 Super: nickelized - black

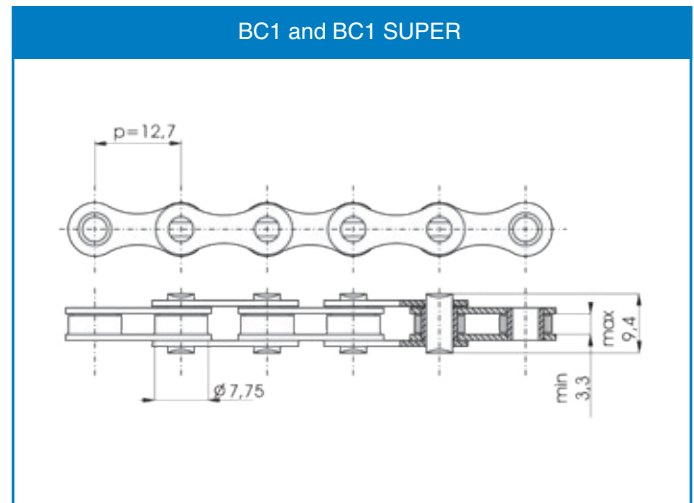
The chains meet the standard requirements:

PN-77/M-84168, DIN 8187, ISO 606.

The chains are joined with PS or SNAP-ON-link.

Use:

The chains are used for drive transmission in traditional, tourist, children and city bicycles equipped with low slow running hub with brake, multispeed hub or free run.



Bicycle Chains 1/2"x3/32" (ISO/DIN 082)

Strength of the chains: min. 10000 N

Finish BC3 Standard: - black

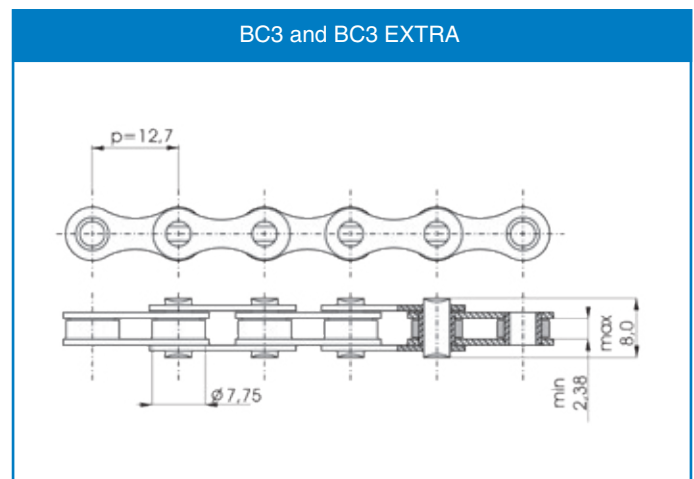
Finish BC3 Extra: nickelized - black

The chains meet the standard requirements: PN-77/M-84168, DIN 8187, ISO 606.

New generation chains with increased fluidity.

Use:

The chains are used for drive transmission in racing, tourist, youth and city bicycles with 18 speed mechanism.



Bicycle Chains 1/2"x1/8" (ISO/DIN 081)

Strength of the chains: min. 8200 N

Finish BC600 Standard: - black

Finish BC600 Super: nickelized - black

The chains meet the standard requirements: PN-77/M-84168, DIN 8187, ISO 606. The chains are joined with PS or SNAP-ON-link.

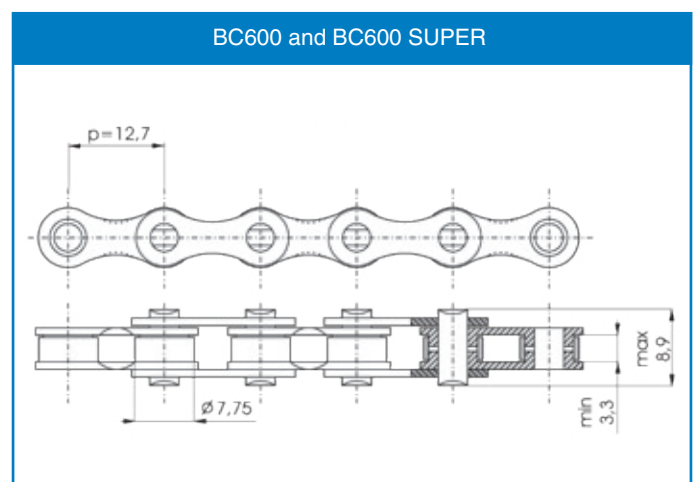
New generation chains with increased fluidity.

Use:

The chains are used for drive transmission in traditional, tourist, children and city bicycles equipped with low slow running hub with brake, multispeed hub or free run.

Maintenance:

The chains should be maintained with working-maintenance oil which need not be removed before assembling. When dirty, the chain should be cleaned in an organic solvent, like oil, petrol.



Roller Chain

Bicycle Chains 1/2"x3/32" (ISO/DIN 082)

Strength of the chains: min. 10000 N

Finish BC900 Standard: - black

Finish BC900 Super: nickelized - black

Finish BC900 Extra: nickelized - nickelized

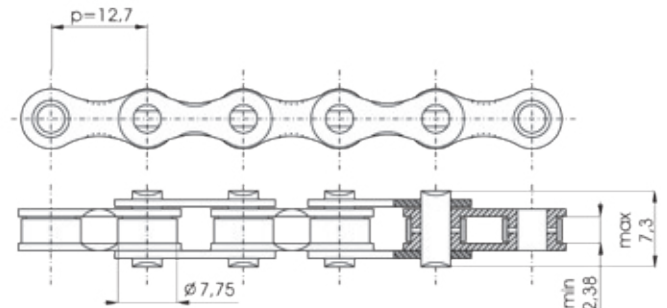
The chains meet the standard requirements: PN-77/M-84168, DIN 8187, ISO 606. The chains are joined with SNAP-ON-link.

New generation chains with increased fluidity.

Use:

The chains are used for drive transmission in racing, tourist, youth and city bicycles with 21 speed mechanism.

BC900, BC900 SUPER and BC900 EXTRA



Bicycle Chains - Super Slim

Finish BC2000 Standard: - black

Finish BC2000 Super: nickelized - black

Finish BC2000 Extra Nickelized: - nickelized

New generation chains with increased fluidity.

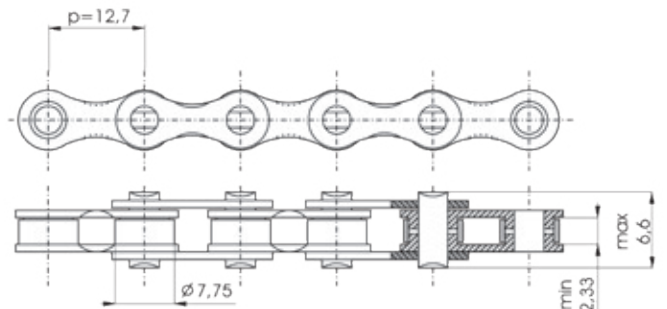
Use:

The chains are used for drive transmission in racing, tourist, youth and city bicycles with 27 speed mechanism.

Maintenance:

The chains should be maintained with working-maintenance oil which need not be removed before assembling. When dirty, the chain should be cleaned in an organic solvent, like oil, petrol.

BC2000, BC2000 SUPER and BC2000 EXTRA



Connecting Links for Roller Chains

Conventional assembly:

Install cover plate and attach spring clip into the pin grooves.

Fast assembly:

Bend the chain from one side, put the plate on the grooved bolts and release the chain.

1/2"x1/8" CL

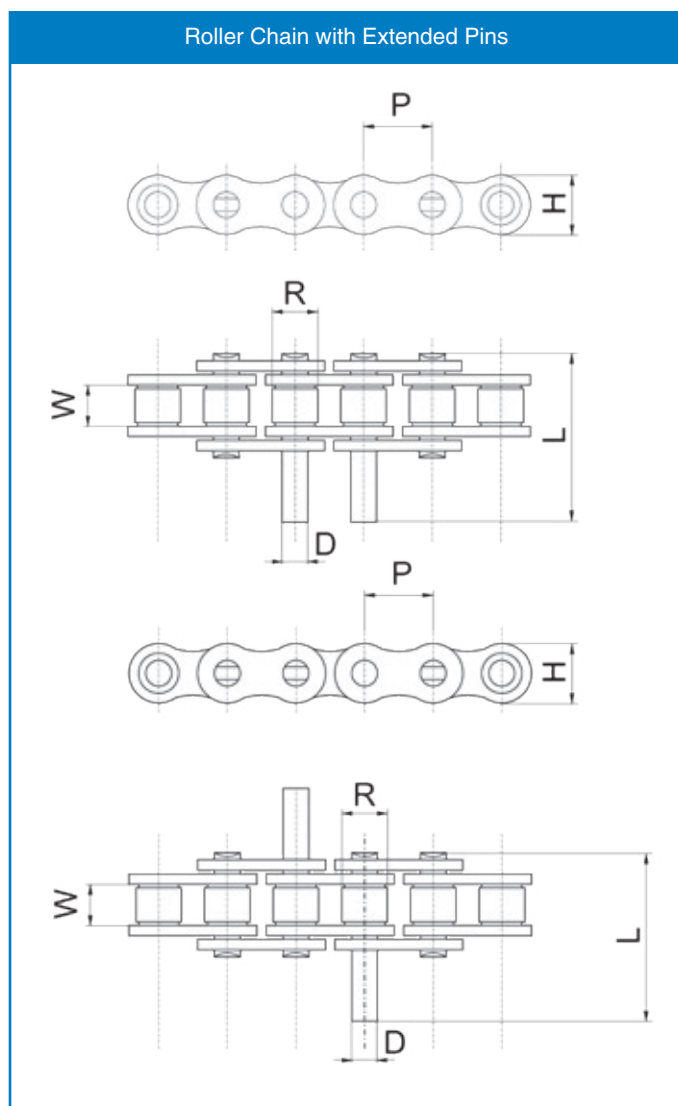


Type 1: 1/2"x1/8" SNAP-ON and Type 2 1/2"x3/32" SNAP-ON



Roller Chain

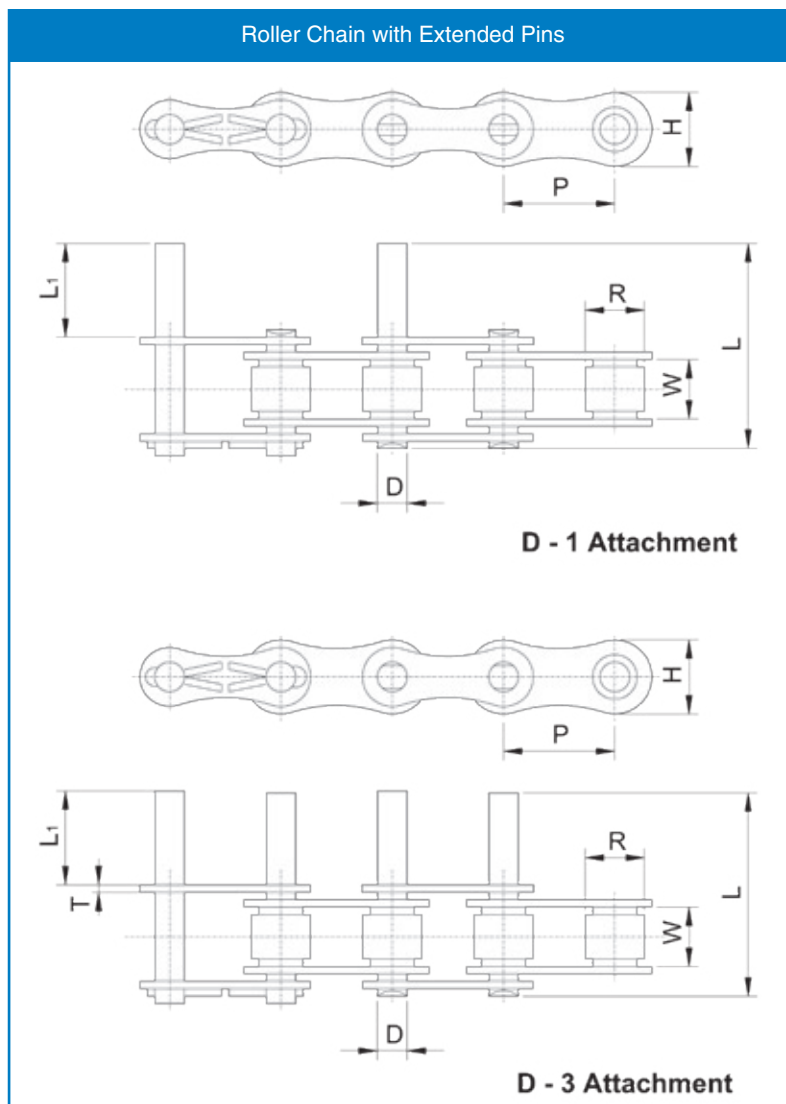
Roller Chain with Extended Pins



Model	Dimensions P x W inch	Pitch P	Working dimensions W min	Roller dia. / Ø R max	Pin length D max	Height of plate links H max	Tensile strength kN
06 B/L	3/8" x 7/32"	9.525	5.72	6.35	3.28	8.25	9.10
08 B/L	1/2" x 5/16"	12.700	7.75	8.51	4.45	10.80	18.2
10 B/L	5/8" x 3/8"	15.875	9.65	10.16	5.08	13.00	22.7
10 B/L	5/8" x 3/8"	15.875	9.65	10.16	5.08	14.20	22.7
12 B/L	3/4" x 7/16"	19.050	11.68	12.07	5.72	16.13	29.5
16 B/L	1" x 17.02mm	25.400	17.02	15.88	8.28	21.00	58.0
20 B/L	1.1/4" x 3/4"	31.750	19.56	19.05	10.19	26.20	95.0
24 B/L	1.1/2" x 1"	38.100	25.40	25.40	14.63	33.20	170
28 B/L	1.3/4" x 1.1/4"	44.450	30.99	27.94	15.90	37.00	200
32 B/L	2" x 1.1/4"	50.800	30.99	29.21	17.81	41.00	260

Roller Chain

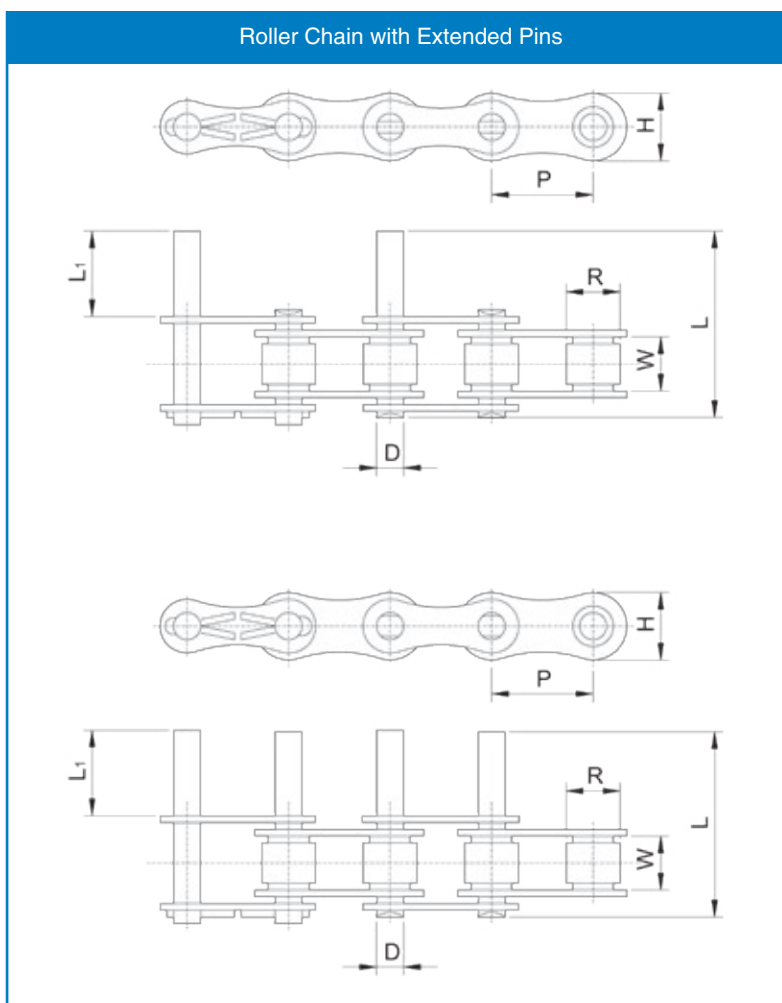
Roller Chain with Extended Pins



Model	Pitch	Working dimensions W min	Roller dia. / Ø R max	Pin dia. / Ø D max	Height of plate links H max	T	L	L1	Average tensile strength
	inch	inch	inch	inch	inch	inch	inch	inch	lbf
	mm	mm	mm	mm	mm	mm	mm	mm	N
35D-1/D-3	0,375	0,188	0,200	0,141	0,354	0,050	0,805	0,375	2330
	9.525	4.78	5.06	3.58	9.00	1.30	20.50	9.50	10370
41D-1/D-3	0,500	0,250	0,306	0,141	0,386	0,050	0,874	0,375	2330
	12.700	6.35	7.77	3.58	9.90	1.25	22.20	9.50	10370
40D-1/D-3	0,500	0,312	0,312	0,156	0,472	0,060	0,986	0,375	4120
	12,700	7.92	7.92	3.96	12.00	1.50	25.00	9.50	18330
50D-1/D-3	0,625	0,375	0,400	0,200	0,591	0,080	1,233	0,469	6790
	15,875	9.52	10,16	5.08	15.00	2.00	31.30	11.90	30210

Roller Chain

Roller Chain with Extended Pins

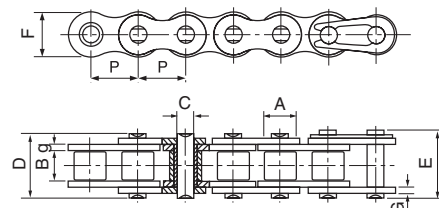


Model	Pitch	Working dimensions W min	Roller dia. / Ø R max	Pin dia. / Ø D max	Height of plate links H max	L	L1	Average tensile strength
	inch	inch	inch	inch	inch	inch	inch	lbf
	mm	mm	mm	mm	mm	mm	mm	N
60/D	0,750	0,500	0,469	0,234	0,713	1,524	0,563	7150
	19.05	12.70	11.91	5.94	18.10	38.70	14.30	31800
80/D	1,000	0,622	0,625	0,312	0,945	1,976	0,752	12750
	25.40	15.80	15.88	7.92	24.00	50.20	19.10	56700
100/D	1,250	0,748	0,750	0,375	1,181	2,426	0,937	19900
	31.75	19.00	19.05	9.52	30.00	61.60	23.80	88500
120/D	1,500	1,000	0,875	0,437	1,421	3,004	1,126	28560
	38.10	25.40	22.23	11.10	36.10	76.30	28.60	127000
140/D	1,750	1,000	1,000	0,500	1,661	3,323	1,311	38770
	44.45	25.40	25.40	12.70	42.20	84.40	33.30	172400
160/D	2,000	1,250	1,125	0,562	1,890	3,908	1,500	51000
	50.80	31.75	28.58	14.27	48.00	99.30	38.10	226800

Roller Chain

Special Transmission Roller Chain

Special Transmission Roller Chain



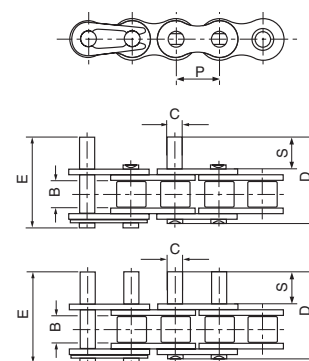
ISO Chain number	Pitch	Roller diameter A	Width between inner plates B	Pin diameter C	Pin length		Inner plate height F	Plate thickness g/G	Minimum tensile strength	Average tensile strength	Mass per metre
	P				D	E			kN	kN	
04BH	6.00	4.00	2.80	1.85	8.40	9.40	5.00	0.90	5.00	5.30	0.14
081	12.70	7.75	3.30	3.66	9.30	12.30	9.90	1.00	8.00	9.40	0.28
084	12.70	7.75	4.88	4.09	14.60	17.60	11.50	1.80	15.60	15.70	0.51
415	12.70	7.77	4.76	3.60	11.00	12.40	9.70	1.00	6.86	7.60	0.32
415H	12.70	7.77	4.76	3.96	13.10	14.50	12.00	1.50	14.40	16.10	0.55
415B/083	12.70	7.75	4.88	4.09	12.90	14.40	10.30	1.30	12.00	14.20	0.44
415BF1	12.70	7.75	4.88	4.09	11.50	13.00	10.30	1.00	9.00	10.60	0.38
423	12.70	8.51	6.40	4.45	15.60	17.10	12.40	1.70	19.60	21.90	0.71
478	12.70	7.80	4.80	4.00	11.60	13.65	10.46	1.25	9.80	12.80	0.39
08BF	12.70	8.51	5.55	4.45	14.60	16.10	11.80	1.60	17.80	19.20	0.66
12BH	19.05	12.07	11.68	5.94	25.20	26.80	16.00	2.42	40.00	44.40	1.45
12BHF1	19.05	12.07	11.68	6.10	25.00	27.20	16.50	2.50	44.00	48.80	1.46
16BF1	25.40	15.88	12.20	8.28	31.40	32.70	21.00	4.15/3.1	60.00	71.40	2.60
16BF2	25.40	15.88	17.02	8.28	38.60	39.80	21.00	4.15	60.00	71.40	3.08
16BF5	25.40	15.88	12.70	8.28	30.80	32.10	20.00	3.5/3.0	50.00	57.50	2.37
16BH	25.40	15.88	17.02	8.90	35.70	38.90	24.10	4.0/3.1	80.00	94.20	3.11
24BH	38.10	25.40	25.40	14.63	58.60	63.40	36.20	7.5/6.0	225.00	250.30	9.00

Standard boxed lengths are 5 metres
Special lengths available.

Extended Pin Chain

ISO Chain No.	ANSI Chain No.	P	B	ØC	S	D	E
	35	9.525	4.77	3.58	9.50	20.80	21.60
	40	12.700	7.85	3.96	9.50	25.10	26.20
	50	15.875	9.40	5.08	11.90	31.30	33.10
	60	19.050	12.57	5.94	14.30	38.60	40.60
	80	25.400	15.75	7.92	19.10	50.30	53.30
	100	31.750	18.90	9.53	23.80	61.80	66.10
	120	38.100	25.22	11.10	28.60	76.40	80.40
	140	44.450	25.22	12.70	33.30	84.80	89.40
	160	50.800	31.55	14.27	38.10	99.60	104.40
08B		12.700	7.75	4.45	9.50	25.10	26.60
10B		15.875	9.65	5.08	11.90	30.10	31.50
12B		19.050	11.68	5.72	14.30	35.40	37.10
16B		25.400	17.02	8.28	19.10	53.00	54.30

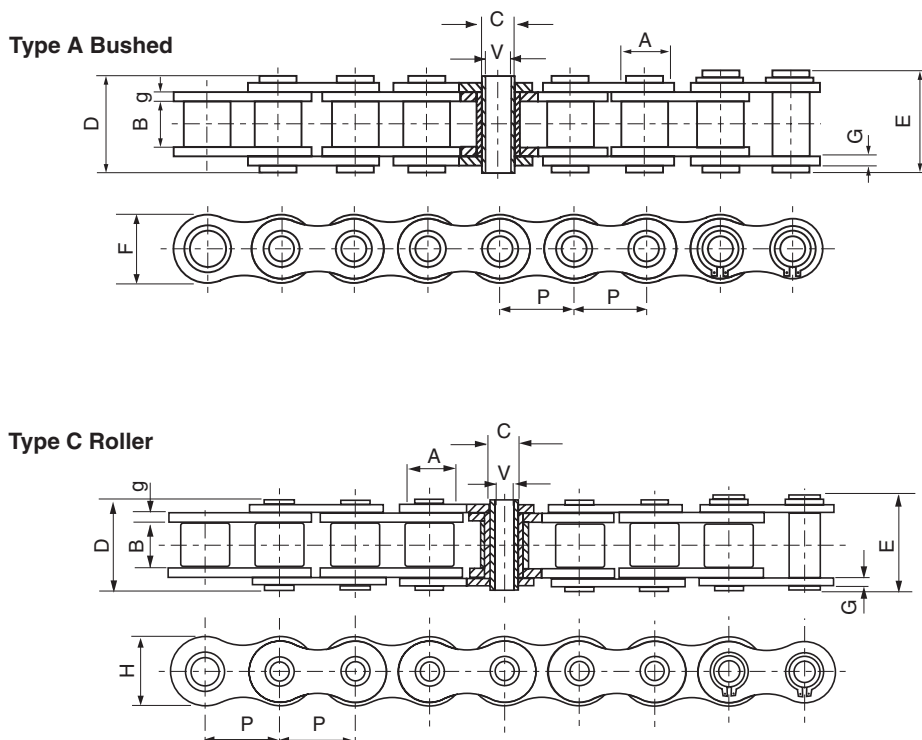
D-1 & D-3 Pins



Roller Chain

Hollow Pin Chain

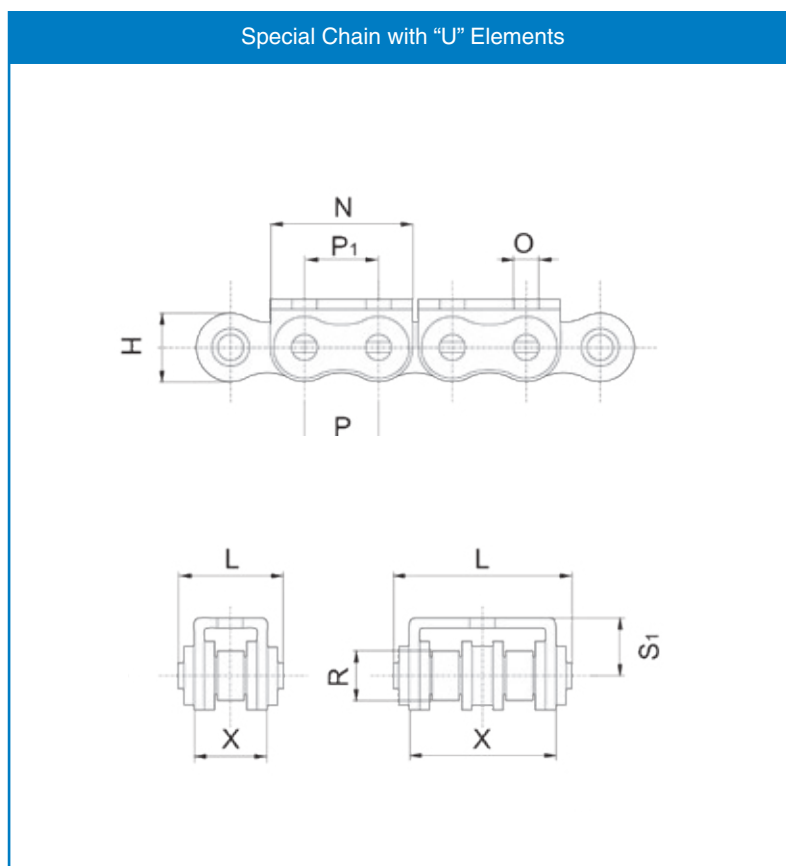
Hollow Pin Chain



Chain number	Pitch	Roller diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thickness	Minimum tensile strength	Average tensile strength	Mass per metre	Type form
	P	A	B	C	V	D	E	F	g/G	kN	kN	kg/m	
08BHP	12.700	8.51	7.75	6.55	4.50	16.4	17.6	11.80	1.6/1.3	11.10	12.1	0.56	A
10BHP	15.875	10.16	9.65	5.94	4.04	19.3	20.6	14.70	1.70	17.00	20.8	0.86	C
12BHP	19.050	12.07	11.68	6.50	4.00	21.6	22.8	15.90	1.85	23.60	25.9	1.09	C
40HP	12.700	7.95	7.85	5.63	4.00	16.5	17.6	12.00	1.50	11.00	12.2	0.54	A
50HP	15.875	10.16	9.40	7.03	5.13	20.7	21.9	15.09	2.03	20.00	22.6	0.91	A
60HP	19.050	11.91	12.70	8.31	6.00	25.8	26.8	18.00	2.42	24.00	26.9	1.29	A
60HPF1	19.050	11.91	12.70	8.31	5.01	25.5	26.8	18.00	2.42	28.00	30.9	1.37	A
60HB	19.050	11.91	12.70	7.00	5.01	25.5	26.6	18.00	2.42	20.00	22.4	1.35	C
80HP	25.400	15.88	15.75	11.40	8.05	32.5	33.8	24.00	3.25	50.00	58.3	2.26	A

Roller Chain

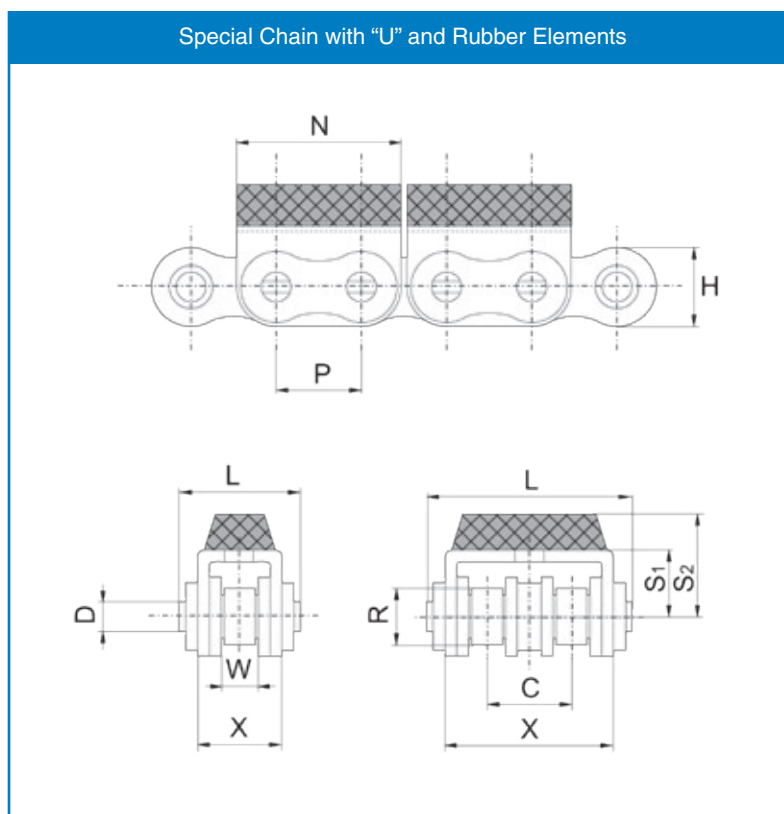
Special Chain with “U” Elements



Model	Dimensions P x W inch	Pitch P	Working dimensions W min	Roller dia. / Ø R max	Pin dia. / Ø D max	Height of plate links H max	Pin length L max	O	P ₁	X	N	S ₁	Tensile strength kN
08 B/U1	1/2" x 5/16"	12.700	7.75	8.51	4.45	10.8	19.6	-	-	14.7	24.0	8.8	14.6
08 B/U2	1/2" x 5/16"	12.700	7.75	8.51	4.45	10.8	19.6	5	-	14.7	24.0	8.8	14.6
08 B/U3	1/2" x 5/16"	12.700	7.75	8.51	4.45	10.8	19.6	5	12.7	14.7	24.0	8.8	14.6
10 B/U1	5/8" x 3/8"	15.875	9.65	10.16	5.08	13.0	22.3	-	-	16.7	30.0	11.3	18.2
10 B/U2	5/8" x 3/8"	15.875	9.65	10.16	5.08	13.0	22.3	5	-	16.7	30.0	11.3	18.2
10 B/U3	5/8" x 3/8"	15.875	9.65	10.16	5.08	13.0	22.3	5	15.8	16.7	30.0	11.3	18.2
08B-2/U1	1/2" x 5/16"	12.700	7.75	8.51	4.45	10.8	34.0	-	-	28.3	24.2	8.3	28.6
08B-2/U2	1/2" x 5/16"	12.700	7.75	8.51	4.45	10.8	34.0	4	12.7	28.3	24.2	8.3	28.6
10B-2/U1	5/8" x 3/8"	15.875	9.65	10.16	5.08	13.0	39.0	5	15.8	33.3	30.0	11.3	36.3

Roller Chain

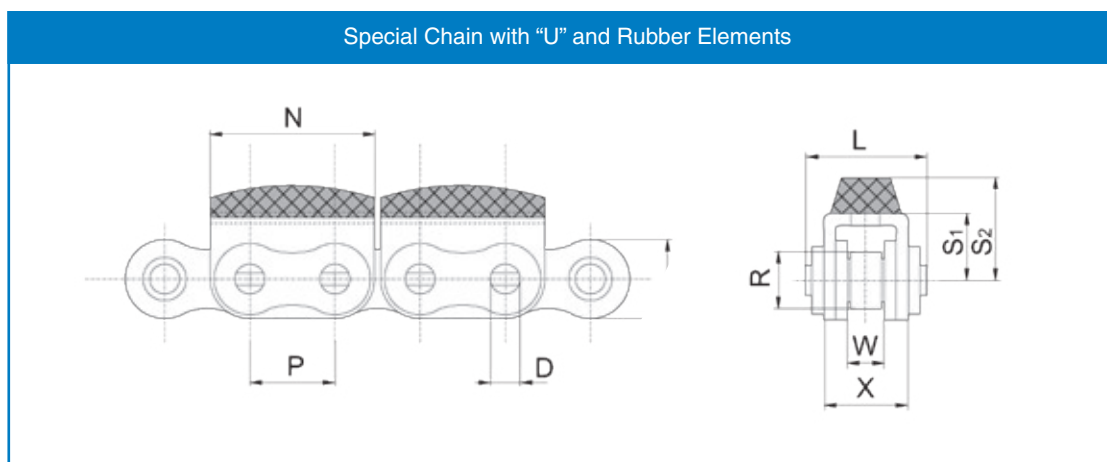
Special Chain with “U” and Rubber Elements



Model	Dimensions P x W inch	Pitch P	Working dimensions W min	Roller dia. / Ø R max	Pin dia. / Ø D max	Height of plate links H max	Pin length L max	C	S ₂	X	N	S ₁	Tensile strength kN
08 B/UG1	1/2" x 5/16"	12.700	7.75	8.51	4.45	10.80	19.60	-	13.0	14.7	24.0	8.8	14.6
10 B/UG1	5/8" x 3/8"	15.875	9.65	10.16	5.08	13.00	22.30	-	15.5	16.7	30.0	11.3	18.2
12 B/UG1	3/4" x 7/16"	19.050	11.68	12.07	5.72	16.13	26.50	-	21.0	19.4	37.0	13.0	23.6
16 B/UG1	1" x 17.02mm	25.400	17.02	15.88	8.28	21.00	40.10	-	21.4	29.05	49.0	15.4	58.0
08 B-2/UG1	1/2" x 5/16"	12.700	7.75	8.51	4.45	10.80	34.00	13.92	12.5	28.3	24.2	8.3	28.6
10 B-2/UG1	5/8" x 3/8"	15.875	9.65	10.16	5.08	13.00	39.00	16.59	15.5	33.3	30.0	11.3	36.3

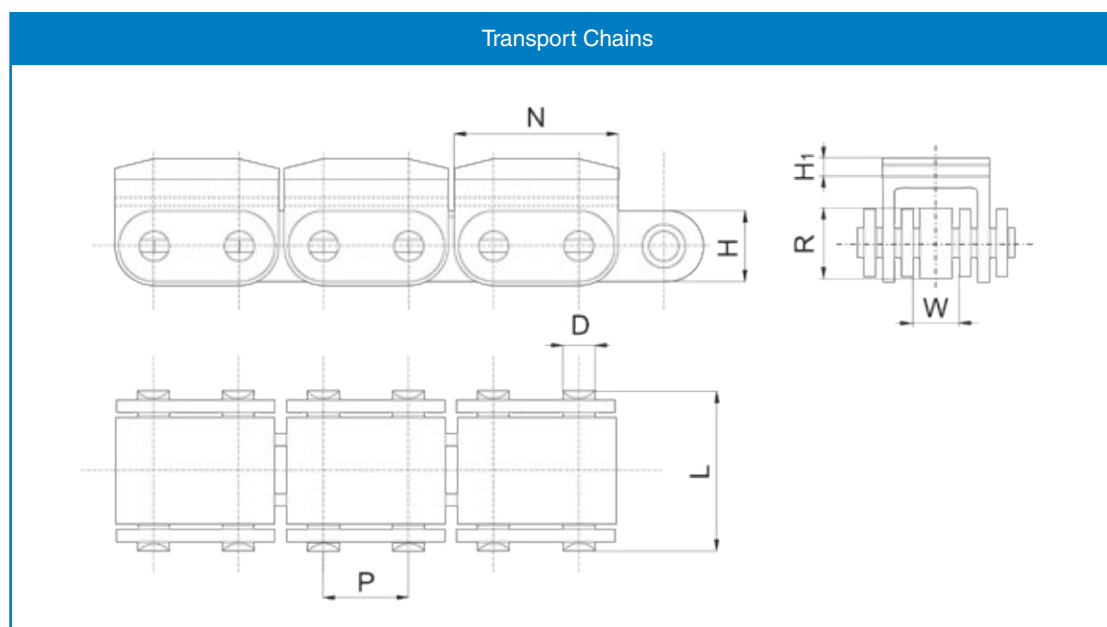
Roller Chain

Special Chain with “U” and Rubber Elements



Model	Dimensions P x W inch	Pitch P	Working dimensions W min	Roller dia. / Ø R max	Pin dia. / Ø D max	Height of plate links H max	Pin length L max	S ₂	X	N	S ₁	Tensile strength KN
08 B/UGR	1/2" x 5/16"	12.7	7.75	8.51	4.45	10.80	19.60	13.0	14.7	24.0	8.8	14.6

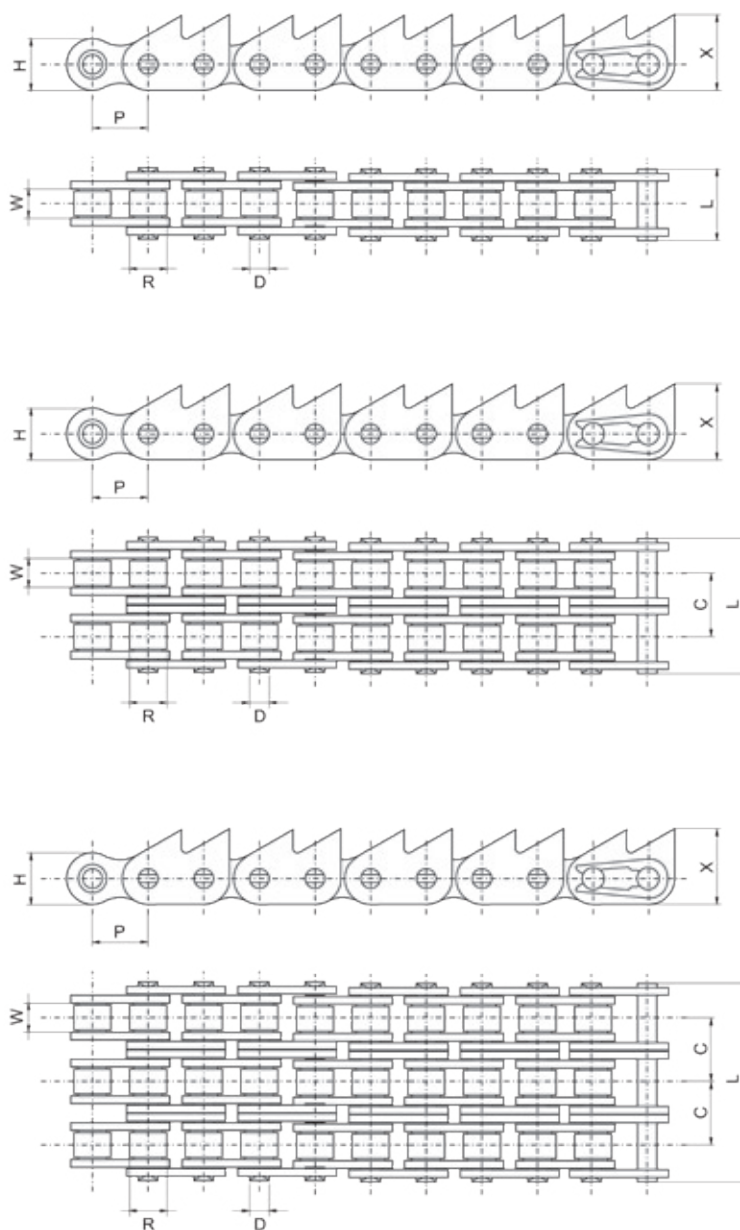
Transport Chains



Model	Pitch P		Working dimensions W min	Roller dia. / Ø R max	Pin dia. / Ø D max	Height of plate links H max	Pin length L max	N	H ₁	Tensile strength kN
	mm	inch								
16B-1/UGS	25.4	1"	17.02	15.88	8.28	21.0	40.1	49.0	6.0	58

Roller Chain

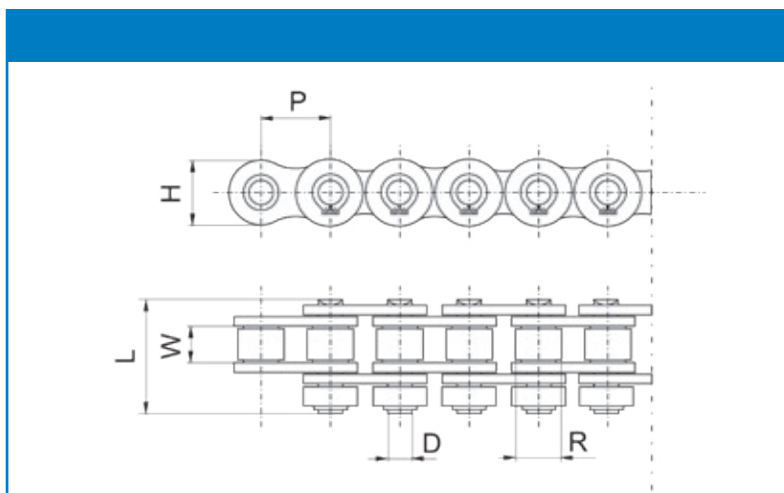
Special Chain



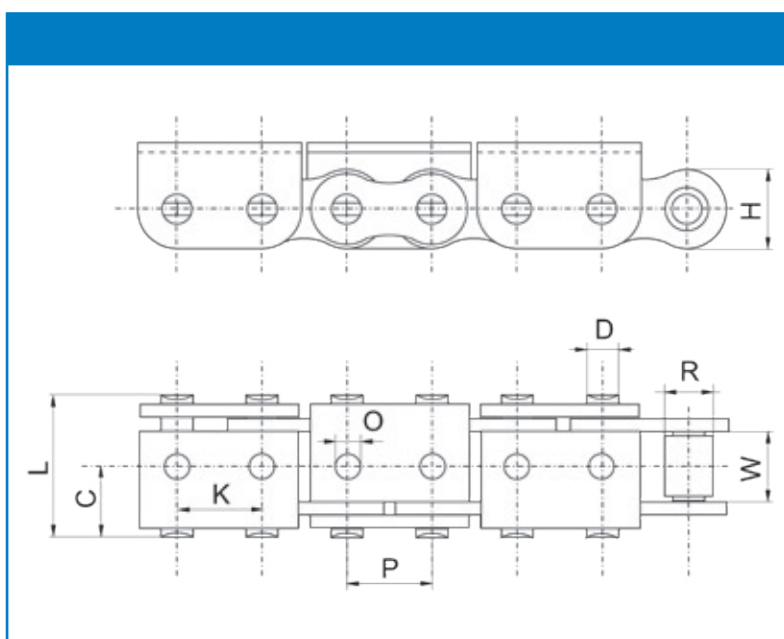
Model	Pitch P		Working dimensions W min	Roller dia. / Ø R1 max	Pin dia. / Ø D max	Pin length L max	Height of plate links H max	Axis spacing C	Tooth height X	Tensile strength kN
	mm	inch								
16B-1Z	25.4	1"	17.02	15.88	8.28	36.1	21.0	-	28	58
16B-2Z	25.4	1"	17.02	15.88	8.28	68.0	21.0	31.88	28	110
16B-3Z	25.4	1"	17.02	15.88	8.28	99.9	21.0	31.88	28	165

Roller Chain

Special Chain



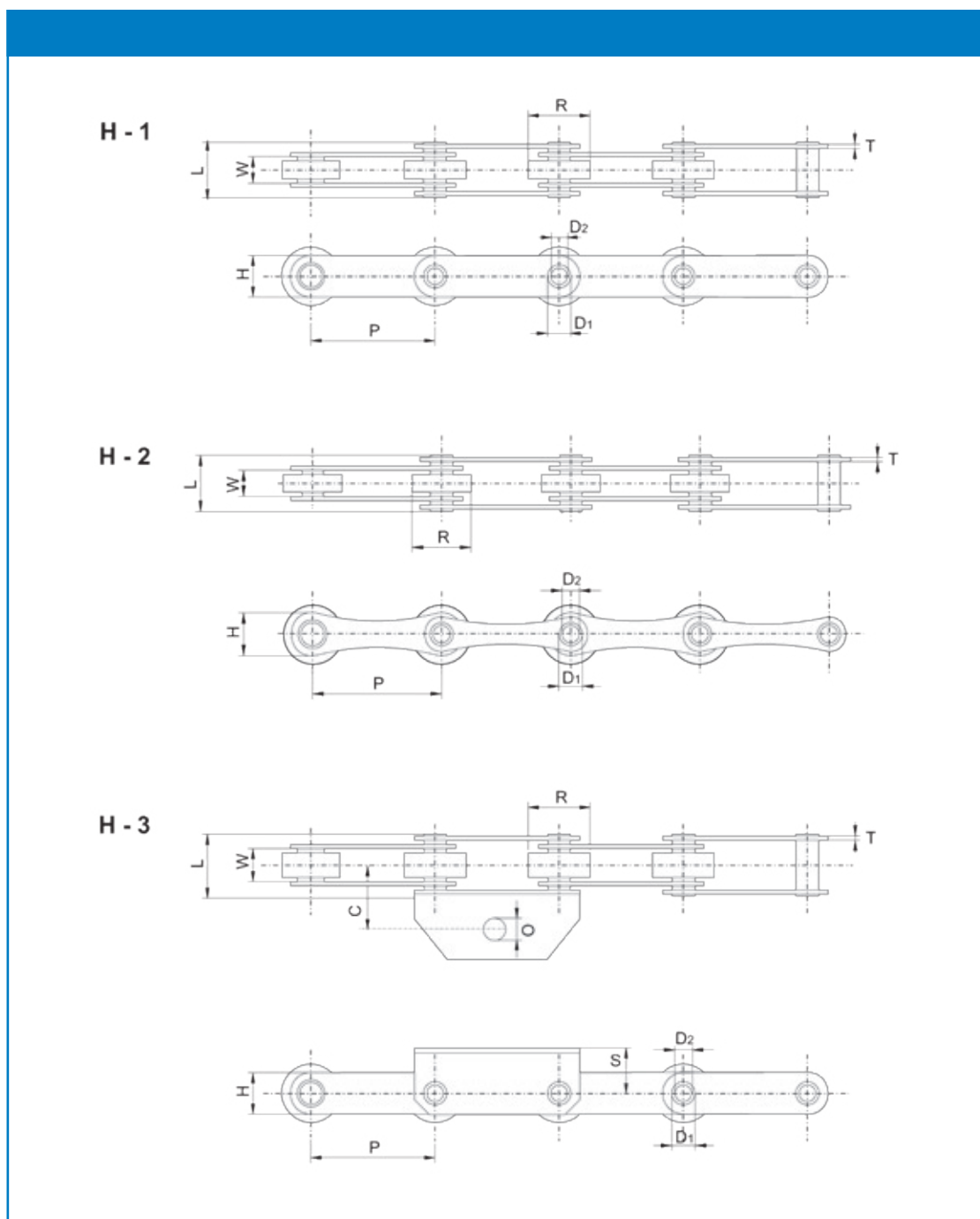
Model	Pitch P		Working dimensions W min	Roller dia. / Ø		Pin dia. / Ø		Axis spacing C	Tensile strength kN
	mm	inch		R1 max	R2 max	D max	L max		
10B-1/R	15.875	5/8"	9.65	10.16	5.08	25.4	14.2	15.1	22.7



Model	Pitch P		Working dimensions W min	Roller dia. / Ø		Pin dia. / Ø	Pin length L max	Height of plate links		Tensile strength kN
	mm	inch		R1 max	D max			H max	O	
16B-1/P	25.4	1"	17.02	15.88	8.28	36.1	36.1	21.0	6.5	58

Roller Chain

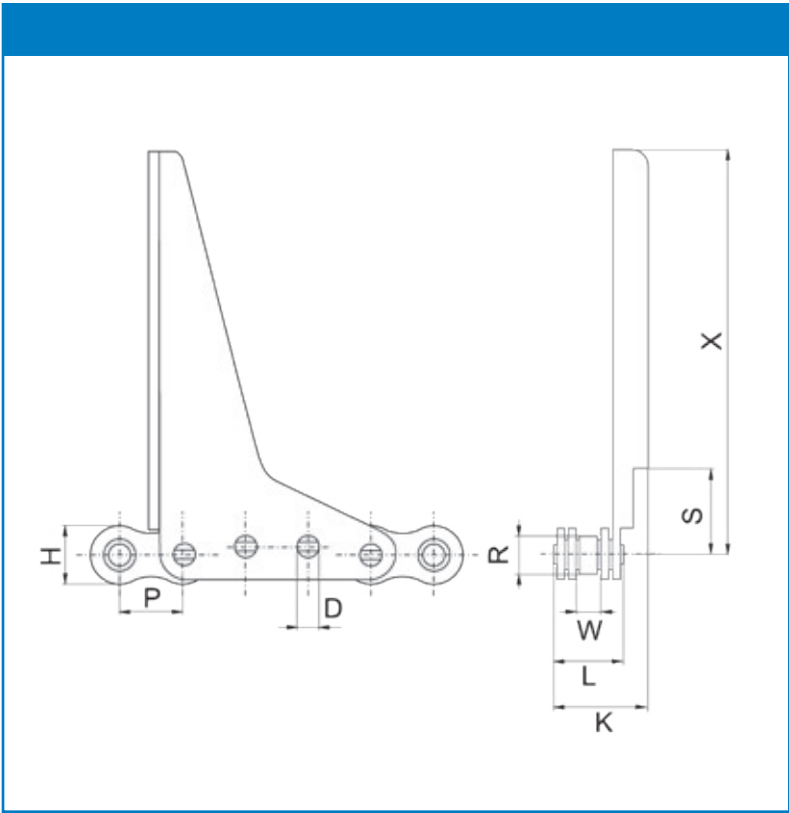
Special Chain



Model	Working dimensions	Pitch	Pin dia. / Ø		Roller dia. / Ø	Pin length	Height of plate links					Tensile strength	Mass
	W min	P	D1	D2	R max	L max	H max	S	T	C	O	kN	kg/m
H1	15	50.0	13.20	10.20	32	32	25	-	2.8	-	-	30	2.5
H2	10	50.8	11.50	8.30	30	26	21	-	3.0	-	-	30	2.3
H3	15	50.0	13.20	10.20	31	32	25	24	2.8	22	8.4	30	4.5

Roller Chain

Special Chain with Driver

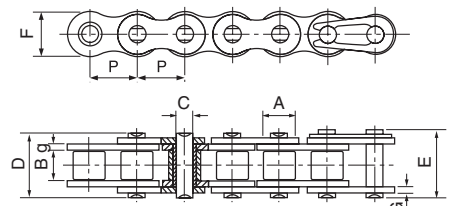


Model	Dimensions P x W inch	Pitch P	Working dimensions W min	Roller dia. / Ø R max	Pin dia. / Ø D max	Width of plate links H max	L	K max	X	S	Tensile strength kN
08 X3/Z1	1/2" x 3/16"	12.700	4.88	7.75	4.09	9.90	13.0	16.0	85.0	17.5	82.6

Roller Chain

Stainless Steel Transmission Roller Chain (Grade 304)

Stainless Steel Transmission Roller Chain



ISO Chain number	ANSI Chain number	Pitch P	Roller diameter A	Width between inner plates B	Pin diameter C	Pin length D E		Inner plate height F	Plate thickness g/G	Minimum tensile strength kN	Average tensile strength kN	Mass per metre kg/m
	*35SS	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.30	5.50	6.60	0.33
	40SS	12.700	7.95	7.85	3.96	16.60	17.80	12.00	1.50	9.60	10.80	0.63
	50SS	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.03	15.20	17.20	1.03
	60SS	19.050	11.91	12.57	5.94	25.90	27.70	18.00	2.42	21.70	26.40	1.51
	80SS	25.400	15.88	15.75	7.92	32.70	35.00	24.00	3.25	38.90	46.60	2.62
	100SS	31.750	19.05	18.90	9.53	40.40	44.70	30.00	4.00	60.00	70.20	3.94
04BSS		6.000	4.00	2.80	1.85	6.80	7.80	5.00	0.60	2.00	2.40	0.11
05BSS		8.000	5.00	3.00	2.31	8.20	8.90	7.10	0.80	3.50	4.10	0.20
#06BSS		9.525	6.35	5.72	3.28	13.15	14.10	8.20	1.30	6.20	6.80	0.41
08BSS		12.700	8.51	7.75	4.45	16.70	18.20	11.80	1.60	12.00	14.30	0.70
10BSS		15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.70	14.50	17.20	0.94
12BSS		19.050	12.07	11.68	5.72	22.50	24.20	16.00	1.85	18.50	20.90	1.16
16BSS		25.400	15.88	17.02	8.28	36.10	37.40	21.00	4.15/3.1	40.00	47.60	2.73
20BSS		31.750	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5	59.00	69.60	3.73

* Bush chain: **A** in the table indicates the external diameter of the bush

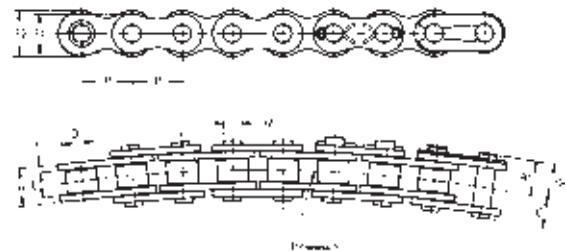
Straight side plate chain

Standard boxed lengths are 5 metres

Special lengths available.

Side Bow Chain

Side Bow Chain

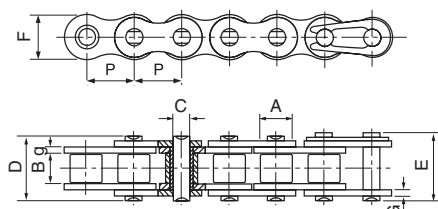


Chain number	Pitch x Width P E		D1	C	B1	B2	D2	T	H	F1	F2	R	Average tensile strength kgf	Mass per metre kg/m
	inch	mm												
35SB	3/8" x 3/16"	9.525 x 4.78	5.08	6.00	7.30	7.95	3.59	1.28	7.46	7.80	9.04	254	860	0.33
40SB	1/2" x 5/16"	12.70 x 7.92	7.92	8.46	9.94	11.24	3.98	1.49	11.17	10.41	12.06	356	1480	0.61
50SB	5/8" x 3/8"	15.875 x 9.52	10.16	10.68	12.08	13.13	5.09	2.01	13.84	13.01	15.08	406	2460	1.00
60SB	3/4" x 1/2"	19.05 x 12.70	11.91	13.28	14.68	16.23	5.96	2.38	17.75	15.64	18.09	508	3450	1.43
80SB	1" x 5/8"	25.4 x 15.88	15.78	17.18	18.57	19.92	7.94	3.18	22.60	20.82	24.13	600	5800	2.53

Roller Chain

Nickle Plated Transmission Roller Chain

Nickle Plated Transmission Roller Chain



ISO Chain number	ANSI Chain number	Pitch P	Roller diameter A	Width between inner plates B	Pin diameter C	Pin length D E		Inner plate height F	Plate thickness g/G	Minimum tensile strength kN	Average tensile strength kN	Mass per metre kg/m
	*25NP	6.350	3.30	3.18	2.31	7.90	8.40	6.00	0.80	3.50	4.60	0.15
	*35NP	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.30	7.90	10.80	0.33
	41NP	12.700	7.77	6.25	3.58	13.75	15.00	9.91	1.30	6.67	12.60	0.41
	40NP	12.700	7.95	7.85	3.96	16.60	17.80	12.00	1.50	14.10	17.50	0.62
	50NP	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.03	22.20	29.40	1.02
	60NP	19.050	11.91	12.57	5.94	25.90	27.70	18.00	2.42	31.80	41.50	1.50
	80NP	25.400	15.88	15.75	7.92	32.70	35.00	24.00	3.25	56.70	69.40	2.60
	100NP	31.750	19.05	18.90	9.53	40.40	44.70	30.00	4.00	88.50	109.20	3.91
04BNP		6.000	4.00	2.80	1.85	6.80	7.80	5.00	0.60	3.00	3.20	0.11
05BNP		8.000	5.00	3.00	2.31	8.20	8.90	7.10	0.80	5.00	5.90	0.20
#06BNP		9.525	6.35	5.72	3.28	13.15	14.10	8.20	1.30	9.00	10.40	0.41
08BNP		12.700	8.51	7.75	4.45	16.70	18.20	11.80	1.60	18.00	19.40	0.69
10BNP		15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.70	22.40	27.50	0.93
12BNP		19.050	12.07	11.68	5.72	22.50	24.20	16.00	1.85	29.00	32.20	1.15
16BNP		25.400	15.88	17.02	8.28	36.10	37.40	21.00	4.15/3.1	60.00	72.80	2.71
20BNP		31.750	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5	95.00	106.70	3.70

Zinc Plated Transmission Roller Chain

ISO Chain number	ANSI Chain number	Pitch P	Roller diameter A	Width between inner plates B	Pin diameter C	Pin length D E		Inner plate height F	Plate thickness g/G	Minimum tensile strength kN	Average tensile strength kN	Mass per metre kg/m
	*25ZP	6.350	3.30	3.18	2.31	7.90	8.40	6.00	0.80	3.50	4.60	0.14
	*35ZP	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.30	7.90	10.80	0.33
	41ZP	12.700	7.77	6.25	3.58	13.75	15.00	9.91	1.30	6.67	12.60	0.41
	40ZP	12.700	7.95	7.85	3.96	16.60	17.80	12.00	1.50	14.10	17.50	0.62
	50ZP	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.03	22.20	29.40	1.02
	60ZP	19.050	11.91	12.57	5.94	25.90	27.70	18.00	2.42	31.80	41.50	1.50
	80ZP	25.400	15.88	15.75	7.92	32.70	35.00	24.00	3.25	56.70	69.40	2.60
	100ZP	31.750	19.05	18.90	9.53	40.40	44.70	30.00	4.00	88.50	109.20	3.91
04BZP		6.000	4.00	2.80	1.85	6.80	7.80	5.00	0.60	3.00	3.20	0.11
05BZP		8.000	5.00	3.00	2.31	8.20	8.90	7.10	0.80	5.00	5.90	0.20
#06BZP		9.525	6.35	5.72	3.28	13.15	14.10	8.20	1.30	9.00	10.40	0.41
08BZP		12.700	8.51	7.75	4.45	16.70	18.20	11.80	1.60	18.00	19.40	0.69
10BZP		15.875	10.16	9.65	5.08	19.50	20.90	14.70	1.70	22.40	27.50	0.93
12BZP		19.050	12.07	11.68	5.72	22.50	24.20	16.00	1.85	29.00	32.20	1.15
16BZP		25.400	15.88	17.02	8.28	36.10	37.40	21.00	4.15/3.1	60.00	72.80	2.71
20BZP		31.750	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5	95.00	106.70	3.70

* Bush chain: **A** in the table indicates the external diameter of the bush

Straight side plate chain

Standard boxed lengths are 5 metres

Special lengths available.

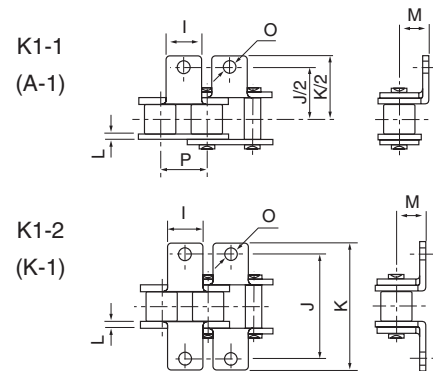
Roller Chain Attachments

K1-1 & K1-2 Attachments (A-1 & K-1)

ISO Chain number	ANSI Chain number	P	I	J	K	L	M	ØO
	40	12.700	9.50	25.40	35.20	1.50	7.90	3.40
	50	15.875	12.70	31.75	46.20	2.03	10.30	5.50
	60	19.050	15.90	38.10	55.60	2.42	11.90	5.50
	80	25.400	19.10	50.80	64.80	3.25	15.90	6.80
	100	31.750	25.40	63.50	87.30	4.00	19.80	9.20
	120	38.100	28.60	76.20	108.50	4.80	23.00	9.80
	140	44.450	34.90	88.90	123.00	5.60	28.60	11.40
	160	50.800	38.10	101.60	142.80	6.40	31.80	13.10
*06B		9.525	8.00	19.04	27.00	1.30	6.50	3.50
08B		12.700	9.50	25.40	36.40	1.60	8.90	4.50
10B		15.875	14.30	31.75	44.60	1.70	10.31	5.30
12B		19.050	16.00	38.10	52.40	1.85	13.46	6.40
16B		25.400	19.10	50.80	72.60	3.10	15.88	6.40

* Straight side plates

K1-1 & K1-2 Attachments

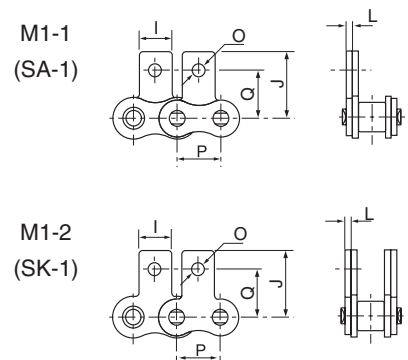


M1-1 & M1-2 Attachments (SA1 & SK-1)

ISO Chain number	ANSI Chain number	P	I	Q	J	L	ØO
	40	12.700	9.50	12.70	19.05	1.50	3.40
	50	15.875	12.70	15.90	25.25	2.03	5.50
	60	19.050	15.90	18.30	29.33	2.42	5.50
	80	25.400	19.10	24.60	34.70	3.25	6.80
	100	31.750	25.40	31.80	43.30	4.00	9.20
	120	38.100	28.60	36.50	51.60	4.80	9.80
	140	44.450	34.90	44.50	62.00	5.60	11.40
	160	50.800	38.10	50.80	69.85	6.40	13.10
*06B		9.525	8.00	9.52	13.50	1.30	3.50
08B		12.700	9.50	13.35	18.90	1.60	4.30
10B		15.875	14.30	16.50	22.95	1.70	5.30
12B		19.050	16.00	21.45	28.60	1.85	6.40
16B		25.400	19.10	23.15	34.00	3.10	6.40

* Straight side plates

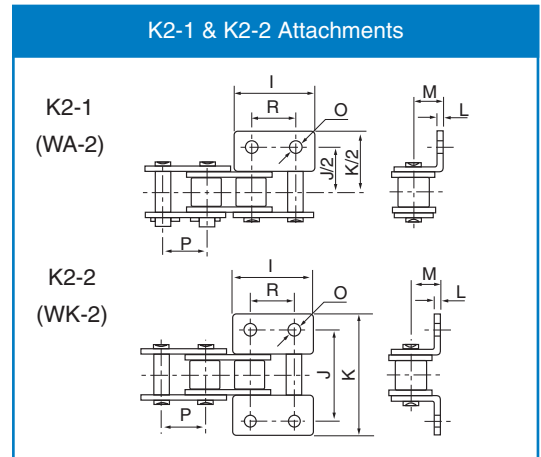
M1-1 & M1-2 Attachments



Roller Chain Attachments

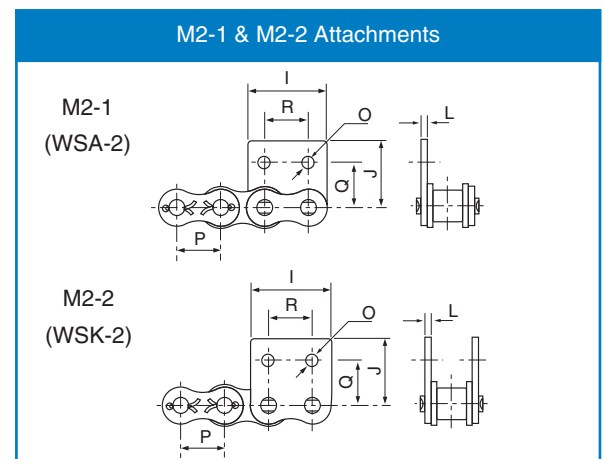
K2-1 & K2-2 Attachments (WA-2 & WK-2)

ISO Chain number	ANSI Chain number	P	I	R	J	K	L	M	ØO
	40	12.700	23.00	12.70	25.40	35.60	1.50	7.90	3.40
	50	15.875	28.80	15.88	31.80	46.80	2.03	10.30	5.50
	60	19.050	34.65	19.05	38.10	56.40	2.42	11.90	5.50
	80	25.400	45.90	25.40	50.80	73.20	3.25	15.90	6.80
	100	31.750	57.65	31.75	63.50	89.80	4.00	19.80	9.20
08B		12.700	24.00	12.70	25.40	36.40	1.60	8.90	4.30
10B		15.875	29.58	15.88	31.80	44.60	1.70	10.31	5.30
12B		19.050	34.05	19.05	38.10	52.40	1.85	13.46	6.40
16B		25.400	46.40	25.40	50.80	72.60	3.10	15.88	6.40



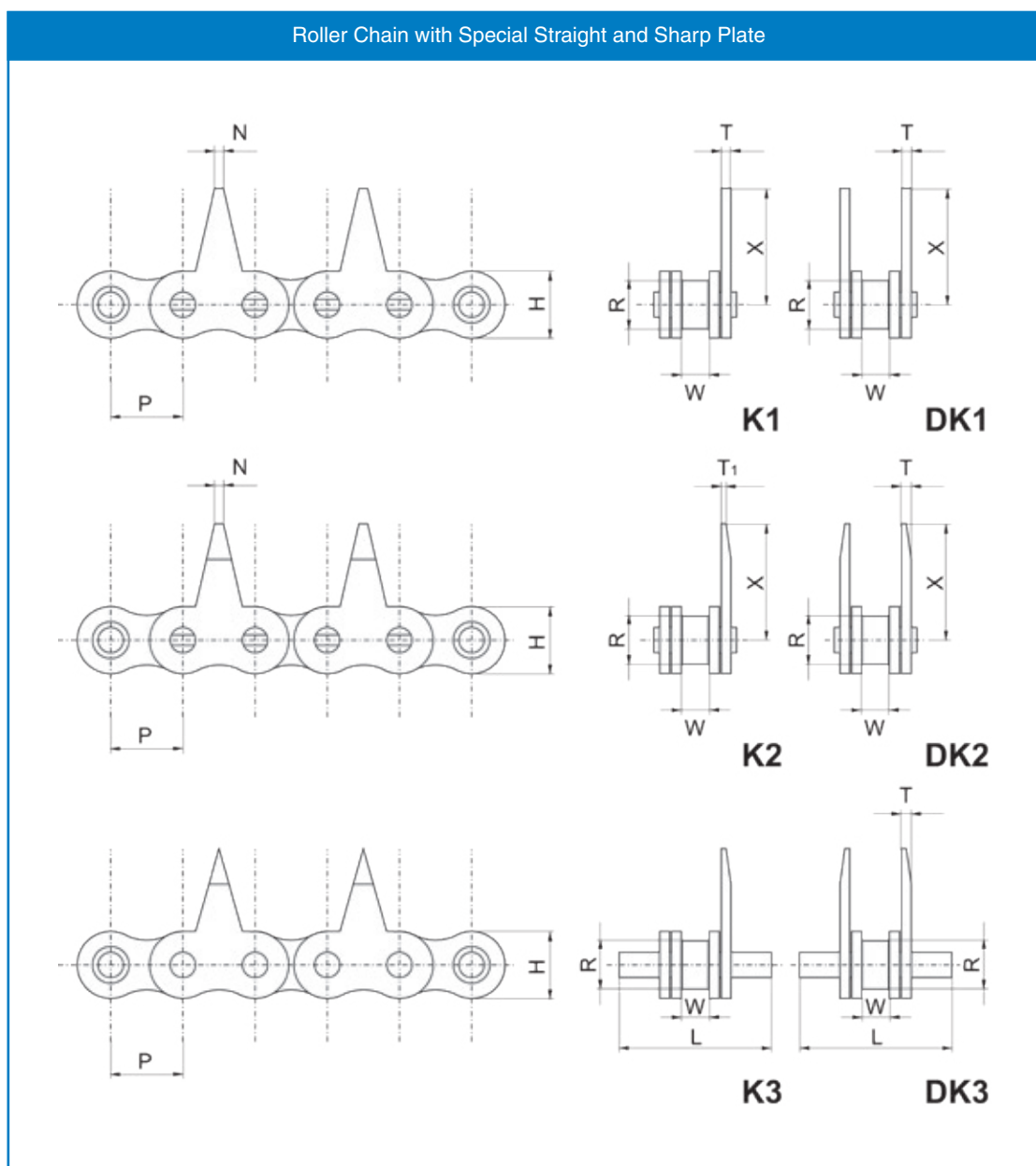
M2-1 & M2-2 Attachments (WSA-2 & WSK-2)

ISO Chain number	ANSI Chain number	P	I	R	Q	J	L	ØO
	40	12.700	23.00	12.70	12.70	17.40	1.50	3.40
	50	15.875	28.80	15.88	15.90	23.05	2.03	5.50
	60	19.050	34.65	19.05	18.30	26.86	2.42	5.50
	80	25.400	45.90	25.40	24.60	35.45	3.25	6.80
	100	31.750	57.65	31.75	31.80	44.00	4.00	9.20
08B		12.700	23.30	12.70	13.35	18.90	1.60	4.30
10B		15.875	29.58	15.88	16.50	22.95	1.70	5.30
12B		19.050	34.05	19.05	21.45	28.60	1.85	6.40
16B		25.400	46.40	25.40	23.15	34.00	3.10	6.40



Roller Chain Attachments

Roller Chain with Special Straight and Sharp Plate

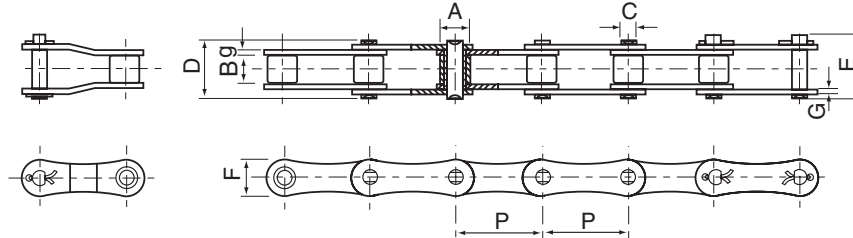


Model	Dimensions P x W inch	Pitch P	Working dimensions W min	Roller dia. / Ø R max	Pin dia. / Ø D max	Height of plate links H max	T	L	T1	X	N	Tensile strength kN
08 B/K1	1/2" x 5/16"	12.70	7.75	8.51	4.45	10.8	1.3	16.4	-	14.5	1.2	18.2
08 B/K2	1/2" x 5/16"	12.70	7.75	8.51	4.45	10.8	1.3	16.4	0.3	14.5	1.2	18.2
12 B/K3	3/4" x 7/16"	19.05	11.68	12.07	5.71	16.13	1.3	29.35	-	-	-	29.5

Double Pitch Chain

Double Pitch Transmission Chain

Double Pitch Transmission Chain

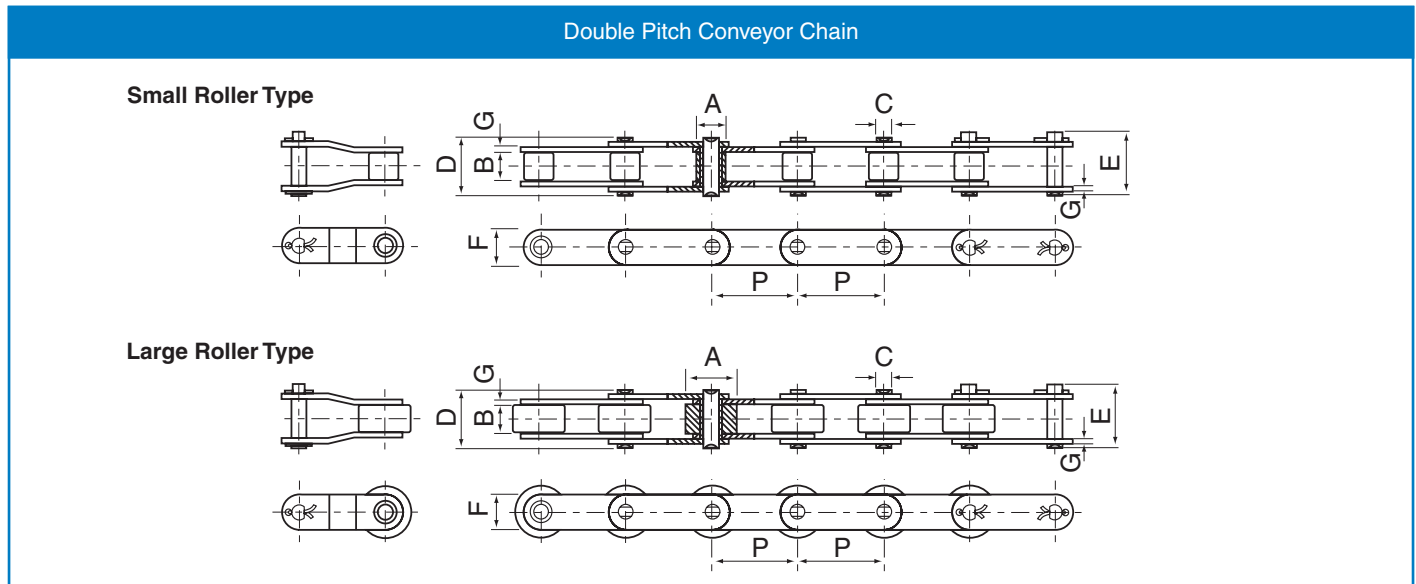


ISO Chain number	ANSI Chain number	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Minimum tensile strength	Average tensile strength	Mass per metre
		P	A	B	C	D	E	F	g/G	kN	kN	kg/m
	A2040	25.40	7.95	7.85	3.96	16.60	17.80	12.00	1.50	14.10	16.70	0.42
208B		25.40	8.51	7.75	4.45	16.70	18.20	11.80	1.60	18.00	19.40	0.45
	A2050	31.75	10.16	9.40	5.08	20.70	22.20	15.00	2.03	22.20	28.10	0.73
210B		31.75	10.16	9.65	5.08	19.50	20.90	14.70	1.70	22.40	27.50	0.65
	A2060	38.10	11.91	12.57	5.94	25.90	27.70	18.00	2.42	31.80	36.80	1.02
212B		38.10	12.07	11.68	5.72	22.50	25.20	16.00	1.85	29.00	32.20	0.76
	A2080	50.80	15.88	15.75	7.92	32.70	36.50	24.00	3.25	56.70	65.70	1.70
216AH		50.80	15.88	15.75	7.92	36.20	39.40	24.00	4.00	56.70	70.00	2.17
216B		50.80	15.88	17.02	8.28	36.10	39.10	21.00	4.15/3.1	60.00	72.80	1.75
	A2100	63.50	19.05	18.90	9.53	40.40	44.70	30.00	4.00	88.50	102.60	2.55
220B		63.50	19.05	19.56	10.19	41.30	45.00	26.40	4.5/3.5	95.00	106.70	2.62
	A2120	76.20	22.23	25.22	11.10	50.30	54.30	35.70	4.80	127.00	147.30	4.06
224B		76.20	25.40	25.40	14.63	53.40	57.80	33.20	6.0/4.8	160.00	178.00	4.70
228B		88.90	27.94	30.99	15.90	65.10	69.50	36.70	7.5/6.0	200.00	222.00	6.23
232B		101.60	29.21	30.99	17.81	66.00	71.00	42.00	7.0/6.0	250.00	277.50	6.72

Standard boxed lengths are 5 metres
Special lengths available.

Double Pitch Chain

Double Pitch Conveyor Chain



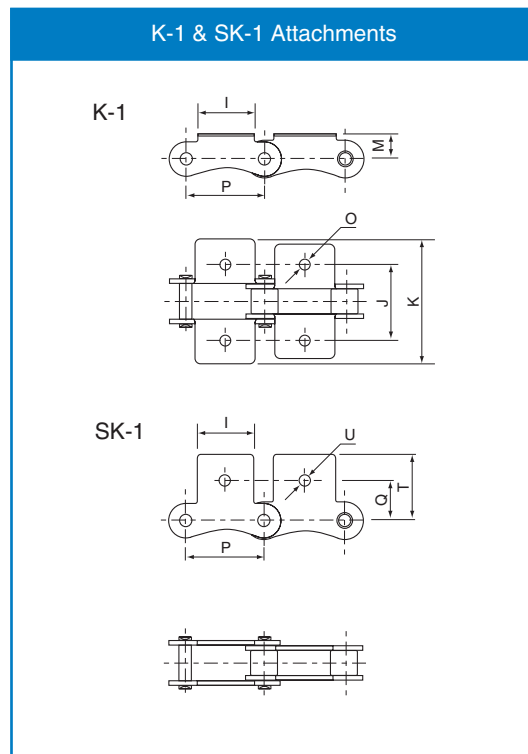
ISO Chain number	ANSI Chain number	Pitch P	Roller diameter A	Width between inner plates B	Pin diameter C	Pin length		Inner plate height F	Plate thickness G	Minimum tensile strength kN	Average tensile strength kN	Mass per metre kg/m
						D	E					
	C2040	25.40	7.95	7.85	3.96	16.60	17.80	12.00	1.50	14.10	16.70	0.50
	C2042		15.88									0.84
	C2040H	25.40	7.95	7.85	3.96	18.80	19.90	12.00	2.03	14.10	17.20	0.65
C208B		25.40	8.51	7.75	4.45	16.70	18.20	11.80	1.60	18.00	19.40	0.55
C208BL			15.88									0.89
	C2050	31.75	10.16	9.40	5.08	20.70	22.20	15.00	2.03	22.20	28.10	0.78
	C2052		19.05									1.27
	C2060	38.10	11.91	12.57	5.94	25.90	27.70	18.00	2.42	31.80	36.80	1.12
	C2062		22.23									1.61
	C2060H	38.10	11.91	12.57	5.94	29.20	31.60	18.00	3.25	31.80	41.60	1.44
	C2062H		22.23									2.07
	C2080	50.80	15.88	15.75	7.92	32.70	36.50	24.00	3.25	56.70	65.70	2.08
	C2082		28.58									3.12
	C2080H	50.80	15.88	15.75	7.92	36.20	39.40	24.40	4.00	56.70	70.00	2.54
	C2082H		28.58									3.58
	C2100	63.50	19.05	18.90	9.53	40.40	44.70	30.00	4.00	88.50	102.60	3.01
	C2102		39.67									4.83
	C2100H	63.50	19.05	18.90	9.53	43.60	46.90	30.00	4.80	88.50	112.40	3.56
	C2102H		39.67									5.38
	C2120	76.20	22.23	25.22	11.10	50.30	54.30	35.70	4.80	127.00	147.30	4.66
	C2122		44.45									7.66
	C2120H	76.20	22.23	25.22	11.10	53.50	57.50	35.70	5.60	127.00	160.90	5.26
	C2122H		44.45									8.26
	C2160	101.60	28.58	31.75	14.27	64.80	69.60	47.80	6.40	226.80	278.90	8.23
	C2162		57.15									11.95
	C2160H	101.60	28.58	31.75	14.27	68.20	73.00	47.80	7.20	226.80	285.80	9.06
	C2162H		57.15									12.77

Standard boxed lengths are 5 metres
Special lengths available.

Double Pitch Attachments

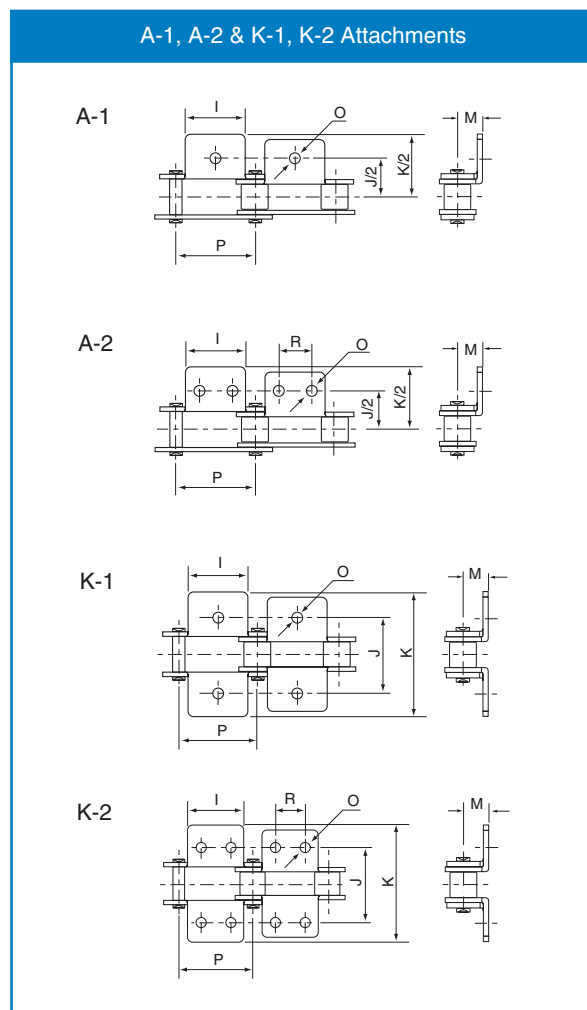
K-1 & SK-1 Attachments

ANSI Chain number	P	I	J	K	M	ØO	Q	T	ØU
A2040	25.40	19.1	25.4	39.6	9.1	3.4	11.1	20.5	5.5
A2050	31.75	23.8	31.8	49.0	11.1	5.5	14.3	25.0	6.6
A2060	38.10	28.6	42.9	67.8	14.7	5.5	17.5	32.9	9.2
A2080	50.80	38.1	55.6	87.8	19.1	6.8	22.2	43.5	11.0
A2100	63.50	47.6	66.6	107.5	23.4	9.2	28.6	50.4	13.0
A2120	76.20	57.2	79.3	127.5	27.8	11.0			



A-1, A-2 & K-1, K-2 Attachments

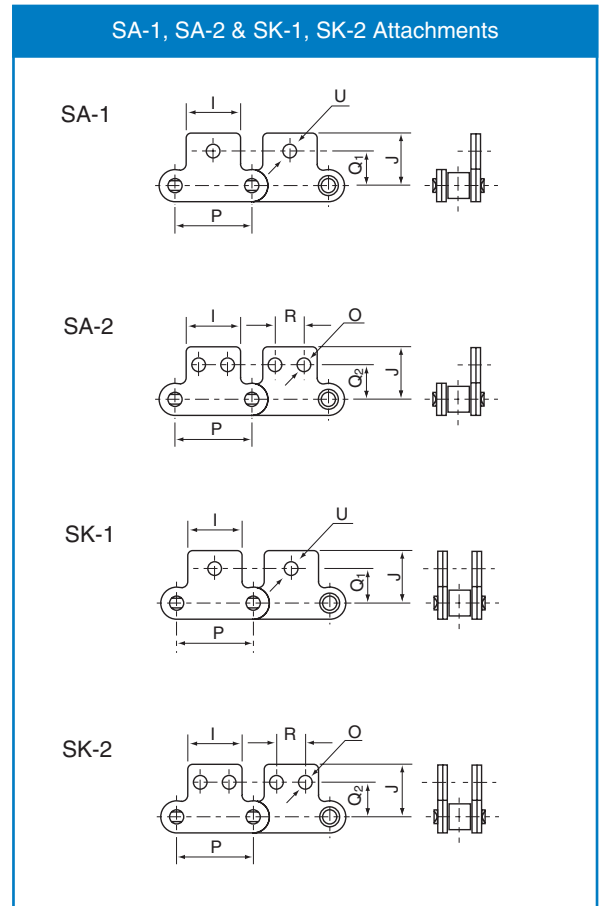
ISO Chain number	ANSI Chain number	P	I	R	J	K	M	ØO
	C2040	25.40	19.10	9.50	25.40	39.60	9.10	3.40
	C2042							
C208B		25.40	23.20	12.70	25.40	39.60	9.10	4.50
C208BL								
	C2050	31.75	23.80	11.90	31.80	49.00	11.10	5.50
	C2052							
	C2060	38.10	28.60	14.30	42.90	67.80	14.70	5.50
	C2062							
	C2060H	38.10	28.60	14.30	42.90	67.80	14.70	5.50
	C2062H							
	C2080	50.80	38.10	19.10	55.60	87.80	19.10	6.80
	C2082							
	C2080H	50.80	38.10	19.10	55.60	87.80	19.10	6.80
	C2082H							
	C2100	63.50	47.60	23.80	66.60	107.50	23.40	9.20
	C2102							
	C2100H	63.50	47.60	23.80	66.60	107.50	23.40	9.20
	C2102H							
	C2120	76.20	57.20	28.60	79.30	121.40	27.80	11.00
	C2122							
	C2120H	76.20	57.20	28.60	79.30	121.40	27.80	11.00
	C2122H							
	C2160	101.60	76.20	38.10	104.70	151.60	36.50	13.10
	C2162							
	C2160H	101.60	76.20	38.10	104.70	151.60	36.50	13.10
	C2162H							



Double Pitch Attachments

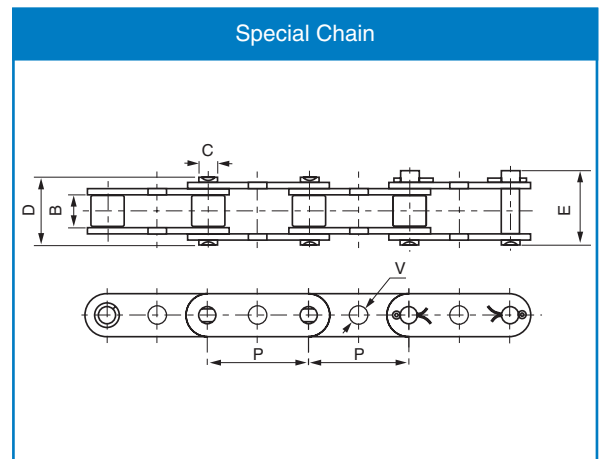
SA-1, SA-2 & SK-1, SK-2 Attachments

ISO Chain number	ANSI Chain number	P	I	R	Q ₁	Q ₂	J	ØO	ØU
	C2040 C2042	25.40	19.10	9.50	11.10	13.50	20.50	3.40	5.50
C208B C208BL		25.40	23.20	12.70	11.10	13.50	20.50	4.50	5.50
	C2050 C2052	31.75	23.80	11.90	14.30	15.90	25.00	5.50	6.60
	C2060 C2062	38.10	28.60	14.30	17.50	19.10	32.90	5.50	9.20
	C2060H C2062H	38.10	28.60	14.30	17.50	19.10	32.90	5.50	9.20
	C2080 C2082	50.80	38.10	19.10	22.20	25.40	43.50	6.60	11.00
	C2080H C2082H	50.80	38.10	19.10	22.20	25.40	43.50	6.60	11.00
	C2100 C2102	63.50	47.60	23.80	28.60	31.80	50.40	8.40	13.00
	C2100H C2102H	63.50	47.60	23.80	28.60	31.80	50.40	8.40	13.00



Special Chain (Attachment Holes in Side Plate)

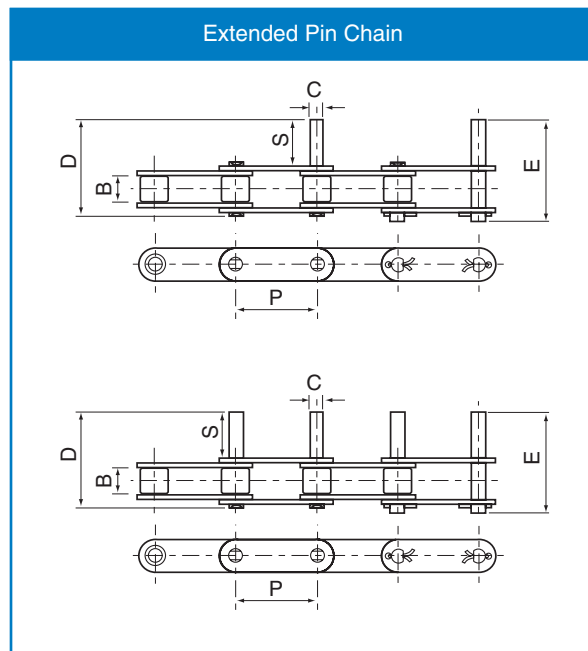
ANSI Chain number	P	B	ØC	ØV	D	E
C2040 C2042	25.40	7.85	3.96	4.10	16.60	18.80
C2050 C2052	31.75	9.40	5.08	5.10	20.70	23.30
C2060 C2062	38.10	12.57	5.94	6.10	25.90	28.30
C2060H C2062H	38.10	12.57	5.94	6.10	29.20	31.60
C2080 C2082	50.80	15.75	7.92	8.10	32.70	36.50
C2080H C2082H	50.80	15.75	7.92	8.10	36.20	39.40
C2100 C2102	63.50	18.90	9.53	10.10	40.40	44.70
C2100H C2102H	63.50	18.90	9.53	10.10	43.60	46.90



Double Pitch Chain

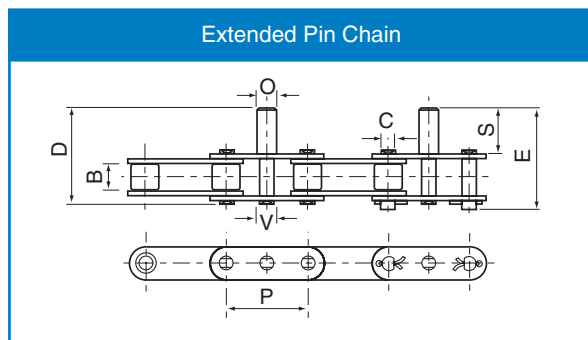
Extended Pin Chain

ANSI Chain number	P	B	C	ØC	S	D	E
C2040 C2042	25.40	7.85	3.96	9.50	25.10	26.20	
C2050 C2052	31.75	9.40	5.08	11.90	31.30	33.10	
C2060 C2062	38.10	12.57	5.94	14.30	38.60	40.60	
C2060H C2062H	38.10	12.57	5.94	14.30	42.00	43.80	
C2080 C2082	50.80	15.75	7.92	19.10	50.30	53.30	
C2080H C2082H	50.80	15.75	7.92	19.10	53.50	55.00	
C2100 C2102	63.50	18.90	9.53	23.80	61.80	66.10	
C2100H C2102H	63.50	18.90	9.53	23.80	65.00	68.30	
C2120H C2122H	76.20	25.22	11.10	28.60	79.60	83.60	
C2160H C2162H	101.60	31.75	14.27	38.10	103.00	107.80	

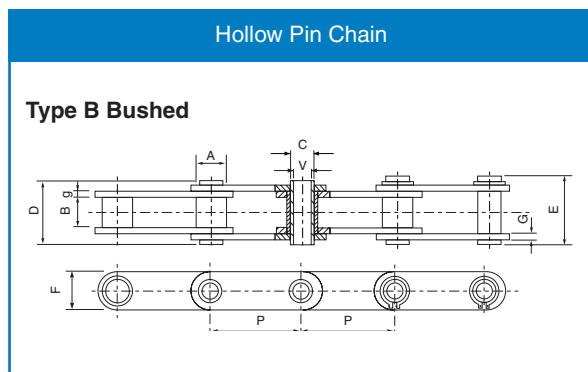


Extended Pin Chain

Chain number	P	B	C	ØV	ØO	S	D
C2060H	38.10	12.57	5.94	5.94	8.00	25.00	53.00
C2060H	38.10	12.57	5.94	8.08	10.00	35.00	63.00
C2060H	38.10	12.57	5.94	5.94	12.70	41.20	69.20
C2060H	38.10	12.57	5.94	5.94	14.28	41.20	69.20



Hollow Pin Chain



Chain number	Pitch	Roller diameter	Width between inner plates	Pin diameter		Pin length		Inner plate height	Plate thickness	Minimum tensile strength	Average tensile strength	Mass per metre	Type form
	P			C	V	D	E						
C2040HP	25.400	7.95	7.85	5.63	4.00	16.5	17.6	12.00	1.50	11.00	12.6	0.46	B
C2050HP	31.750	10.16	9.40	7.22	5.12	20.5	21.8	15.00	2.03	20.40	22.8	0.76	B
02060HP	38.100	11.91	12.70	8.31	6.00	25.8	26.8	17.00	2.42	24.00	27.1	1.02	B
C2080HP	50.800	15.88	15.75	11.40	8.05	32.5	33.8	24.00	3.25	50.00	55.2	1.81	B

Leaf Chain

LH / BL Series Leaf Chain

ANSI B29.8, ISO 4347, DIN 8152

LH / BL Leaf Chain

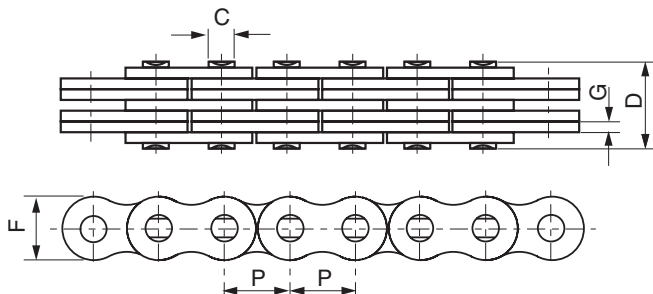
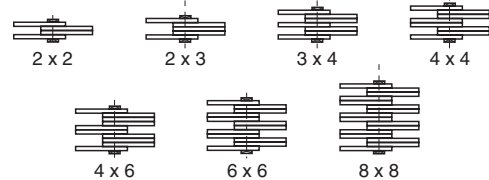


Plate Lacing

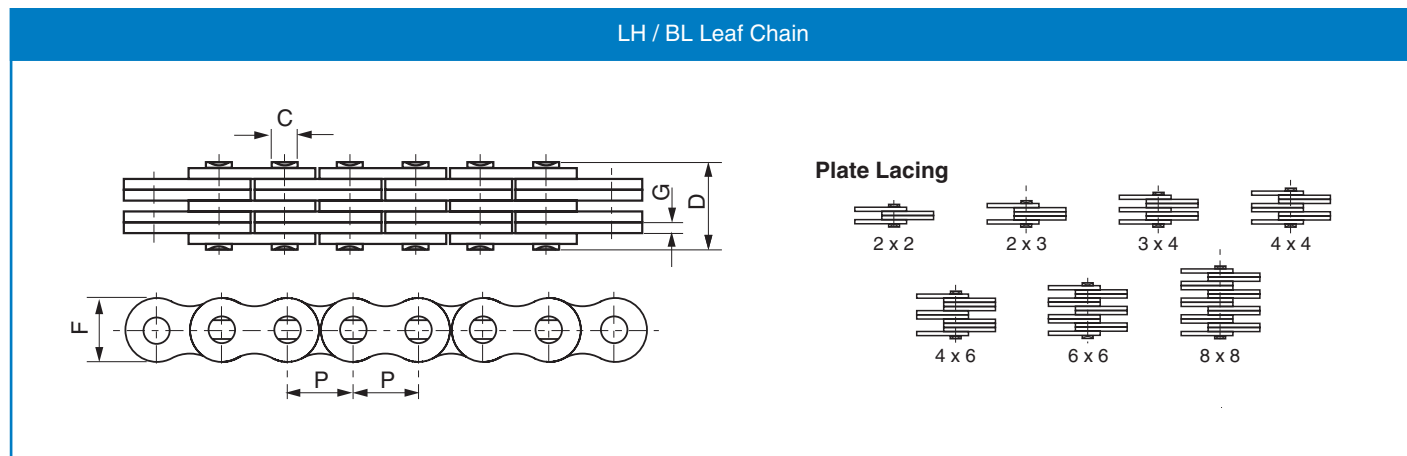


ISO Chain number	ANSI Chain number	Pitch P	Chain lacing	Plate height F	Plate thick- ness G	Pin diameter C	Pin length D	Minimum tensile strength kN	Average tensile strength kN	Mass per metre kg/m
LH0822	BL422	12.700	2x2	12.07	2.08	5.09	11.05	22.20	27.60	0.64
LH0823	BL423		2x3				13.16	22.20	27.60	0.80
LH0834	BL434		3x4				17.40	33.40	41.40	1.12
LH0844	BL444		4x4				19.51	44.50	56.00	1.28
LH0846	BL446		4x6				23.75	44.50	56.00	1.60
LH0866	BL466		6x6				27.99	66.70	81.70	1.92
LH0888	BL488		8x8				36.45	89.00	109.40	2.56
LH1022	BL522	15.875	2x2	15.09	2.44	5.96	12.90	33.40	43.10	0.88
LH1023	BL523		2x3				15.37	33.40	43.10	1.10
LH1034	BL534		3x4				20.32	48.90	65.60	1.50
LH1044	BL544		4x4				22.78	66.70	84.50	1.80
LH1046	BL546		4x6				27.74	66.70	84.50	2.20
LH1066	BL566		6x6				32.69	100.10	125.10	2.65
LH1088	BL588		8x8				42.57	133.40	169.50	3.50
LH1222	BL622	19.050	2x2	18.11	3.30	7.94	17.37	48.90	63.60	1.45
LH1223	BL623		2x3				20.73	48.90	63.60	1.80
LH1234	BL634		3x4				27.43	75.60	102.80	2.50
LH1244	BL644		4x4				30.78	97.90	120.90	2.90
LH1246	BL646		4x6				37.49	97.90	120.90	3.60
LH1266	BL666		6x6				44.20	146.80	190.80	4.30
LH1288	BL688		8x8				57.61	195.70	238.80	5.80
LH1622	BL822	25.400	2x2	24.13	4.09	9.54	21.34	84.50	108.20	2.20
LH1623	BL823		2x3				25.48	84.50	108.20	2.70
LH1634	BL834		3x4				33.76	129.00	170.00	3.80
LH1644	BL844		4x4				37.90	169.00	214.60	4.30
LH1646	BL846		4x6				46.18	169.00	214.60	5.40
LH1666	BL866		6x6				54.46	253.60	324.50	6.50
LH1688	BL888		8x8				71.02	338.10	432.70	8.60

Leaf Chain

LH / BL Series Leaf Chain (cont)

ANSI B29.8, ISO 4347, DIN 8152



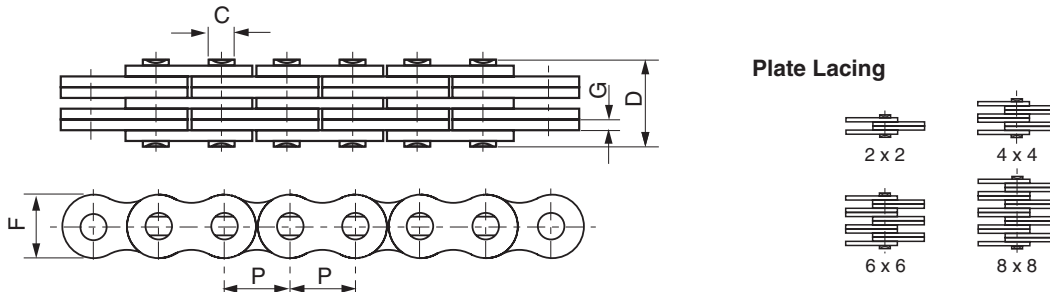
ISO	ANSI	Pitch	Chain lacing	Plate height	Plate thick-ness	Pin diameter	Pin length	Minimum tensile strength	Average tensile strength	Mass per metre
Chain number	Chain number	P		F	G	C	D	kN	kN	kg/m
LH2022	BL1022	31.750	2x2	30.18	4.90	11.11	25.37	115.60	150.80	3.40
LH2023	BL1023		2x3				30.33	115.60	150.80	4.30
LH2034	BL1034		3x4				40.23	182.40	231.60	6.00
LH2044	BL1044		4x4				45.19	231.30	291.40	6.90
LH2046	BL1046		4x6				55.09	231.30	291.40	8.60
LH2066	BL1066		6x6				65.00	347.00	430.30	10.30
LH2088	BL1088		8x8				84.81	462.60	555.10	13.80
LH2422	BL1222	38.100	2x2	36.20	5.77	12.71	29.62	151.20	192.00	4.60
LH2423	BL1223		2x3				35.43	151.20	192.00	5.80
LH2434	BL1234		3x4				47.07	244.60	315.90	8.10
LH2444	BL1244		4x4				52.88	302.50	381.10	9.30
LH2446	BL1246		4x6				64.52	302.50	381.10	11.60
LH2466	BL1266		6x6				76.15	453.70	543.60	13.90
LH2488	BL1288		8x8				99.42	605.00	726.00	18.60
LH2822	BL1422	44.450	2x2	42.24	6.55	14.29	33.55	191.30	225.70	6.10
LH2823	BL1423		2x3				40.16	191.30	225.70	7.60
LH2834	BL1434		3x4				53.37	315.80	372.60	10.60
LH2844	BL1444		4x4				59.97	382.60	451.20	12.20
LH2846	BL1446		4x6				73.18	382.60	451.20	15.20
LH2866	BL1466		6x6				86.39	578.30	682.40	18.20
LH2888	BL1488		8x8				112.80	765.10	902.80	24.30
LH3222	BL1622	50.800	2x2	48.26	7.52	17.46	39.01	289.10	341.10	8.00
LH3223	BL1623		2x3				46.58	289.10	341.10	10.00
LH3234	BL1634		3x4				61.72	440.40	519.60	14.00
LH3244	BL1644		4x4				69.29	578.30	680.40	16.00
LH3246	BL1646		4x6				84.43	578.30	680.40	20.00
LH3266	BL1666		6x6				99.57	857.40	1000.70	24.00
LH3288	BL1688		8x8				129.84	1156.50	1364.60	32.00
LH4022	BL2022	63.500	2x2	60.33	9.91	23.81	51.74	433.70	511.70	15.80
LH4023	BL2023		2x3				61.70	433.70	511.70	19.80
LH4034	BL2034		3x4				81.61	649.40	766.20	27.70
LH4044	BL2044		4x4				91.57	867.40	1023.50	31.60
LH4046	BL2046		4x6				111.48	867.40	1023.50	39.50
LH4066	BL2066		6x6				131.39	1301.10	1535.20	47.40
LH4088	BL2088		8x8				171.22	1734.80	2046.50	63.20

Leaf Chain

LL/EL Series Leaf Chain

ANSI B29.8-1958, ISO 4347

LL/EL Leaf Chain



ISO Chain number	ANSI Chain number	Pitch P	Chain lacing	Plate height F	Plate thick- G	Pin diameter C	Pin length strength D	Minimum tensile strength kN	Average tensile metre kN	Mass per metre kg/m
LL0822	EL0422	12.700	2x2	10.60	1.30	4.45	7.60	17.80	20.40	0.35
LL0844	EL0444		4x4				13.00	31.10	35.70	0.69
LL0866	EL0466		6x6				18.20	44.50	50.90	1.00
LL0888	EL0488		8x8				23.50	62.20	71.20	1.33
LL1022	EL0522	15.875	2x2	13.70	1.60	5.08	9.20	22.30	25.50	0.54
LL1044	EL0544		4x4				15.80	44.50	51.00	1.06
LL1066	EL0566		6x6				22.10	66.70	76.30	1.57
LL1088	EL0588		8x8				28.80	89.00	101.90	2.10
LL1222	EL0622	19.050	2x2	16.00	1.85	5.72	10.40	28.90	33.20	0.73
LL1244	EL0644		4x4				17.90	57.80	66.40	1.44
LL1266	EL0666		6x6				25.40	86.70	99.70	2.15
LL1288	EL0688		8x8				32.90	115.60	132.90	2.84
LL1622	EL0822	25.400	2x2	21.00	3.10	8.28	17.20	58.00	66.70	1.52
LL1644	EL0844		4x4				29.60	144.00	164.60	2.90
LL1666	EL0866		6x6				42.40	200.00	230.00	4.30
LL1688	EL0888		8x8				55.40	288.00	331.20	5.71
LL2022	EL1022	31.750	2x2	26.40	3.70	10.19	20.10	95.00	109.20	2.33
LL2044	EL1044		4x4				33.80	190.00	218.50	4.40
LL2066	EL1066		6x6				50.10	285.00	324.60	6.79
LL2088	EL1088		8x8				65.40	380.00	435.10	8.75
LL2422	EL1222	38.100	2x2	33.40	5.00	14.63	28.40	170.00	195.50	4.47
LL2444	EL1244		4x4				46.30	340.00	380.80	8.22
LL2466	EL1266		6x6				66.40	510.00	571.20	12.22
LL2488	EL1288		8x8				86.60	680.00	775.20	16.30
LL2822	EL1422	44.450	2x2	37.08	6.00	15.90	32.20	200.00	224.00	5.10
LL2844	EL1444		4x4				56.40	400.00	448.00	9.90
LL2866	EL1466		6x6				80.60	600.00	672.00	14.60
LL2888	EL1488		8x8				105.20	800.00	896.00	19.40
LL3222	EL1622	50.800	2x2	42.00	6.00	17.81	33.20	260.00	291.20	5.80
LL3244	EL1644		4x4				57.40	520.00	582.40	11.40
LL3266	EL1666		6x6				81.60	780.00	873.60	16.90
LL3288	EL1688		8x8				105.00	1050.00	1176.00	24.00
LL4022	EL2022	63.500	2x2	52.76	8.25	22.89	44.70	360.00	403.20	10.30
LL4044	EL2044		4x4				77.90	780.00	873.60	20.00
LL4066	EL2066		6x6				111.10	1080.00	1209.60	29.50
LL4088	EL2088		8x8				145.50	1560.00	1747.20	39.10
LL4822	EL2422	76.200	2x2	63.88	10.30	29.24	56.10	560.00	627.20	18.50
LL4844	EL2444		4x4				97.40	1120.00	1554.40	35.70
LL4866	EL2466		6x6				138.90	1168.00	1308.10	53.00
LL4888	EL2488		8x8				182.40	2240.00	2508.80	70.40

Leaf Chain

AL Series Leaf Chain

AL Leaf Chain

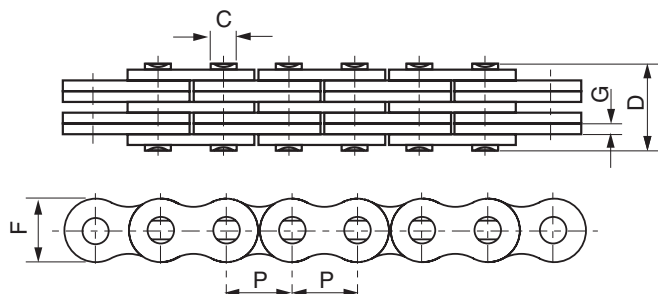
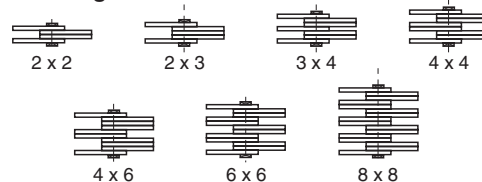


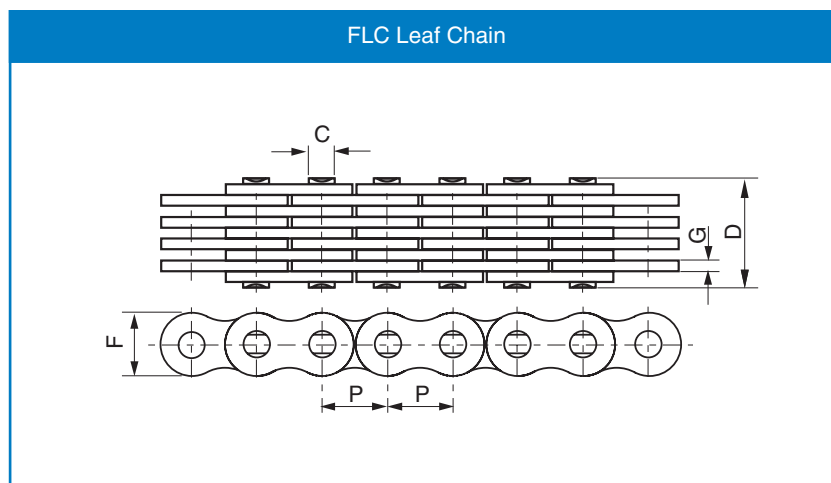
Plate Lacing



ANSI Chain number	Pitch P	Chain lacing	Plate height F	Plate thick- ness G	Pin diameter C	Pin length D	Minimum tensile strength kN	Average tensile strength kN	Mass per metre kg/m
AL322	9.525	2x2	7.70	1.30	3.58	6.80	9.00	10.20	0.23
AL422		2x2				7.90	14.10	16.90	0.39
AL444	12.700	4x4	10.40	1.50	3.96	14.40	28.20	35.20	0.74
AL466		6x6				20.50	42.30	52.70	1.10
AL522		2x2				10.30	22.00	27.50	0.61
AL534	15.875	3x4	12.80	2.03	5.08	17.00	33.00	46.00	1.10
AL544		4x4				18.90	44.00	55.00	1.19
AL566		6x6				26.90	66.00	82.50	1.79
AL622		2x2				12.40	37.00	44.40	0.86
AL644	19.050	4x4	15.60	2.42	5.94	22.70	64.00	78.80	1.69
AL666		6x6				32.40	101.00	118.60	2.52
AL822		2x2				16.00	56.70	68.60	1.54
AL844	25.400	4x4	20.50	3.25	7.92	29.40	113.40	135.60	3.00
AL866		6x6				42.50	170.00	202.30	4.46
AL1022		2x2				19.60	88.50	107.10	2.37
AL1044	31.750	4x4	25.60	4.00	9.53	35.90	177.00	203.60	4.68
AL1066		6x6				52.30	265.00	315.30	7.00
AL1222		2x2				24.30	127.00	151.10	3.65
AL1244	38.100	4x4	30.50	4.80	11.10	43.80	254.00	299.70	7.05
AL1266		6x6				63.00	381.00	426.30	10.44
AL1444	44.450	4x4	36.40	5.60	12.64	51.30	372.70	413.60	10.34
AL1466		6x6				74.56	559.00	620.40	15.16
AL1644	50.800	4x4	41.60	6.40	14.21	58.06	471.00	522.80	12.98
AL1666		6x6				84.46	706.00	783.60	19.41

Leaf Chain

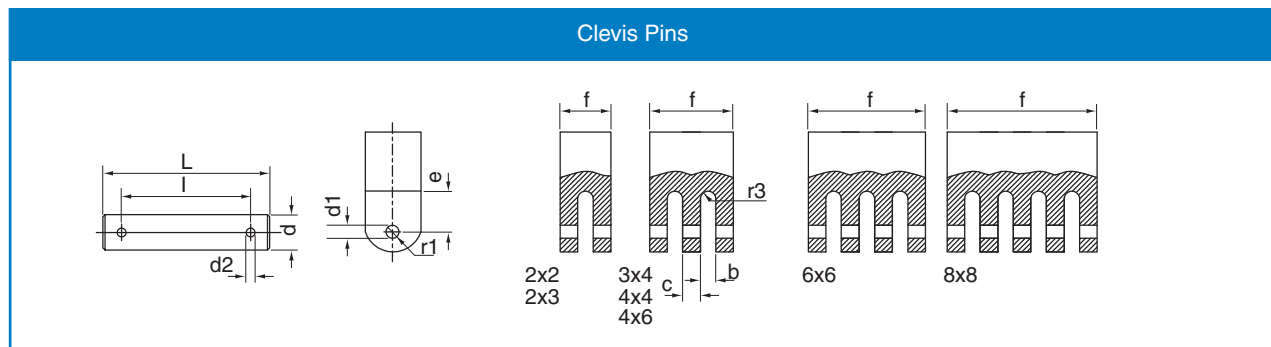
FLC Series Leaf Chain



Chain number	Pitch	Chain lacing	Plate height	Plate thickness	Pin diameter	Pin length	Minimum tensile strength	Average tensile strength	Mass per metre
	P		F	G	C	D	kN	kN	kg/m
FL644	19.05	4x4	4.70	0.60	1.85	6.60	6.50	7.80	0.13
FL666	19.05	6x6	4.70	0.60	1.85	9.30	9.75	11.80	0.20
FL688	19.05	8x8	4.70	0.60	1.85	12.00	13.00	15.60	0.25
FL844	25.40	4x4	6.90	0.73	2.31	7.90	10.00	12.10	0.25
FL944	9.525	4x4	8.70	1.04	3.28	10.40	21.00	24.70	0.43
FL966	9.525	6x6	8.70	1.00	3.28	14.90	31.00	36.80	0.65
F1222	38.10	2x2	8.20	1.00	3.58	7.00	11.43	13.60	0.19
F1223	38.10	2x3	10.20	2.03	4.45	12.80	20.00	23.80	0.61
F1244	38.10	4x4	10.20	1.70	4.45	16.70	44.00	52.30	0.83

Leaf Chain

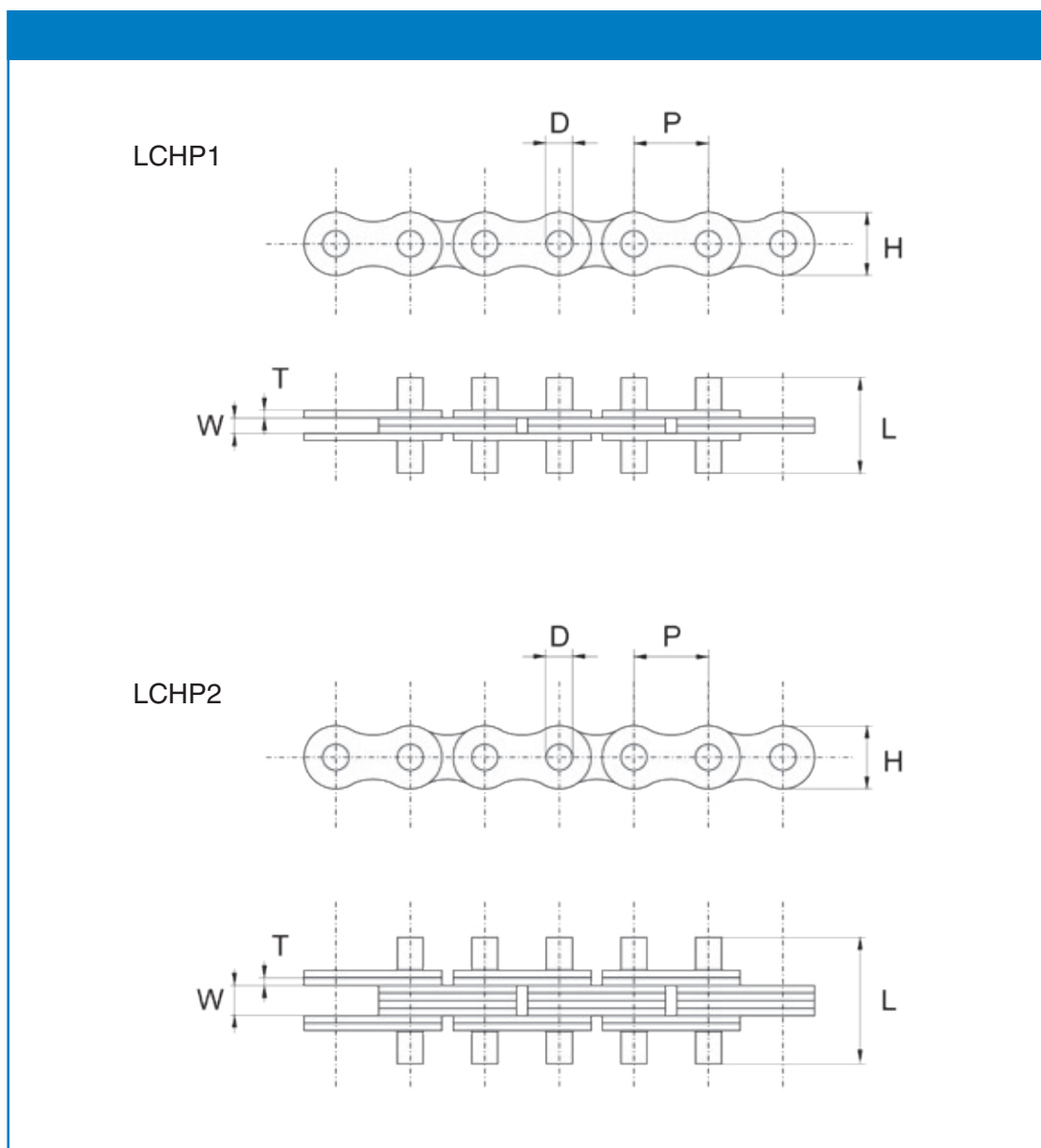
Clevis Pins



Type	l min.	L max	d max	d2	f max	b min	c max	d1	e min	f1 max	f2 max
BL422/AL522	10.8	17.0			10.7	4.2	-				2
BL423	12.7	18.9			12.6	6.4	-				3
BL434	17.0	23.2	5.80	1.6	16.9	4.2	2.0	5.15	9.0	6.5	2
BL444/AL544	19.0	25.2			18.9	4.2	4.0				2
BL446	23.0	29.2			22.9	6.4	4.0				3
BL466/AL566	27.0	33.3			26.9	4.2	4.0				2
BL488/AL588	35.5	41.8			35.4	4.2	4.0				2
BL522	12.8	19.4			12.7	5.0	-				2
BL523	15.0	21.6			14.9	7.5	-				3
BL534	20.0	26.6			19.9	5.0	2.4				2
BL544/AL644	22.5	29.1	5.95	2.0	22.4	5.0	4.8	6.00	11.0	8.0	2
BL546	27.0	33.7			26.9	7.5	4.8				3
BL566/AL666	32.0	38.7			31.9	5.0	4.8				2
BL588/AL688	42.5	49.3			42.4	5.0	4.8				2
BL623	20.0	30.7			19.9	10.3	-				5
BL634	27.0	37.7			26.9	6.8	3.2				3
BL644/AL844	30.0	40.7	7.93	3.2	29.9	6.8	6.4	8.00	14.0	9.5	3
BL646	37.0	47.7			36.9	10.3	6.4				5
BL666/AL866	43.0	53.7			42.9	6.8	6.4				3
BL688	56.5	67.2			56.4	6.8	6.4				3
BL823	25.0	35.7			24.9	12.8	-				6
BL834	33.0	43.7			32.9	8.5	4.0				4
BL844/AL1044	37.0	47.7	9.52	3.2	36.9	8.5	8.0	9.60	18.0	12.5	4
BL846	46.0	56.7			45.9	12.8	8.0				6
BL866/AL1066	53.0	63.7			52.9	8.5	8.0				4
BL888/AL1088	69.5	80.3			69.4	8.5	8.0				4
BL1023	30.0	42.4			29.8	15.1	-				7
BL1034	39.2	51.6			39.0	10.0	4.7				5
BL1044/AL1244	44.2	56.6	11.09	4.0	44.0	10.0	9.4	11.20	22.0	15.0	5
BL1046	54.2	66.6			54.0	15.1	9.4				7
BL1066/AL1266	63.2	75.6			63.0	10.0	9.4				5
BL1088/AL1288	79.9	92.4			79.7	10.0	9.4				5
BL1223	34.5	46.9			34.3	17.7	-				8
BL1234	46.2	58.6			46.0	11.8	5.5				5
BL1244/AL1444	50.0	64.4	12.70	4.0	49.0	11.8	11.0	12.80	26.0	19.0	5
BL1246	63.5	76.0			63.3	17.7	11.0				8
BL1266/AL1466	75.3	87.8			75.1	11.8	11.0				5
BL1288/AL1488	98.6	111.1			98.4	11.8	11.0				5
BL1423	38.7	51.1			38.5	20.1	-				10
BL1434	52.2	64.6			52.0	13.4	6.3				6
BL1444	58.6	71.1	14.27	4.0	58.4	13.4	12.6	14.35	31.0	22.0	10
BL1446	71.7	84.2			71.5	20.1	12.6				10
BL1466	85.1	97.7			84.9	13.4	12.6				10
BL1623	43.1	60.6			42.8	22.5	-				10
BL1634	58.0	75.5			57.7	15.0	7.1				7
BL1644	65.7	82.9	17.46	5.0	65.4	15.0	14.2	17.50	34.0	25.0	7
BL1646	79.9	97.4			79.6	22.5	14.2				10
BL1666	94.6	112.2			94.3	15.0	14.2				7
BL1688	124.0	141.6			123.7	15.0	14.2				7

Leaf Chain

Special Chain with Hollow Pin



Model	Pitch P	Working dimensions W min	Thickness plate T	Pin dia. / Ø D max	Pin length L max	Width of plate links H max	Tensile strength kN	Mass kg/m
LCHP1	19.050	3.75	1.80	5.52	18.7	1.3	29.5	1.48
LCHP2	15.875	6.20	1.45	5.08	29.0	1.3	44.5	0.96

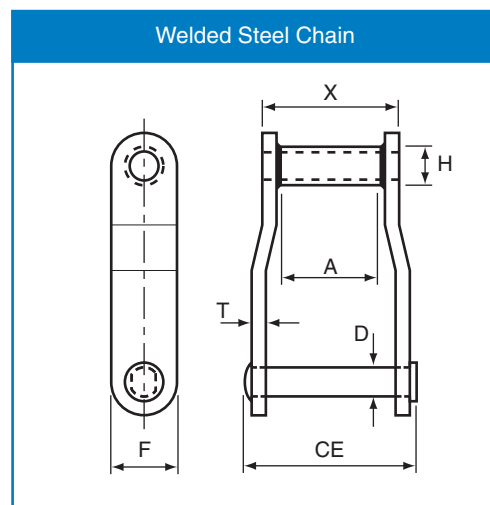
Timber Chain

Welded Steel Chain (Offset Side Bar)

Chain Number	Pitch		Average Ultimate Strength lbf	Max. Working Load lbf	Approx. Links Per Foot	Average Mass lb/ft	Dimensions						
	mm	Inches					CE	X	D	T	F	H	A
WR78	66.26	2.609	24000	3000	4.6	4.0	76.20	50.80	12.70	6.35	28.58	22.23	28.58
WH78	66.26	2.609	36000	3500	4.6	4.0	76.20	50.80	12.70	6.35	28.58	22.23	28.58
WR82	66.26	2.609	26000	3800	4.6	4.0	76.20	50.80	12.70	6.35	28.58	22.23	28.58
WH82	66.26	2.609	40000	4500	4.6	4.0	76.20	50.80	12.70	6.35	28.58	22.23	28.58
WR124	101.60	4.000	46000	6300	3.0	8.3	107.95	69.85	19.05	9.53	38.10	31.75	38.10
WH124	101.60	4.000	60000	7350	3.0	8.3	107.95	69.85	19.05	9.53	38.10	31.75	38.10
WR111	120.90	4.760	46000	7550	2.5	9.5	123.83	85.00	19.05	9.53	44.45	31.75	50.80
WH111	120.90	4.760	60000	8850	2.5	9.5	123.83	85.00	19.05	9.53	44.45	31.75	50.80
WR106	152.40	6.000	46000	6750	2.0	7.0	107.95	69.85	19.05	9.53	38.10	31.75	41.28
WH106	152.40	6.000	69000	7200	2.0	7.0	107.95	69.85	19.05	9.53	38.10	31.75	41.28
WR110	152.40	6.000	46000	6750	2.0	7.2	117.48	76.20	19.05	9.53	38.10	31.75	47.63
WH110	152.40	6.000	69000	7900	2.0	7.2	117.48	76.20	19.05	9.53	38.10	31.75	47.63
WR132	153.67	6.050	84000	13100	2.0	14.2	158.75	111.00	25.40	12.70	50.80	41.28	73.03
WH132	153.67	6.050	110000	15000	2.0	14.2	158.75	111.00	25.40	12.70	50.80	41.28	73.03
WR150	153.67	6.050	84000	13100	2.0	16.8	158.75	111.00	25.40	12.70	63.50	41.28	73.03
WH150	153.67	6.050	110000	15300	2.0	16.8	158.75	111.00	25.40	12.70	63.50	41.28	73.03

WR - Welded steel chain c/w heat treated rivets

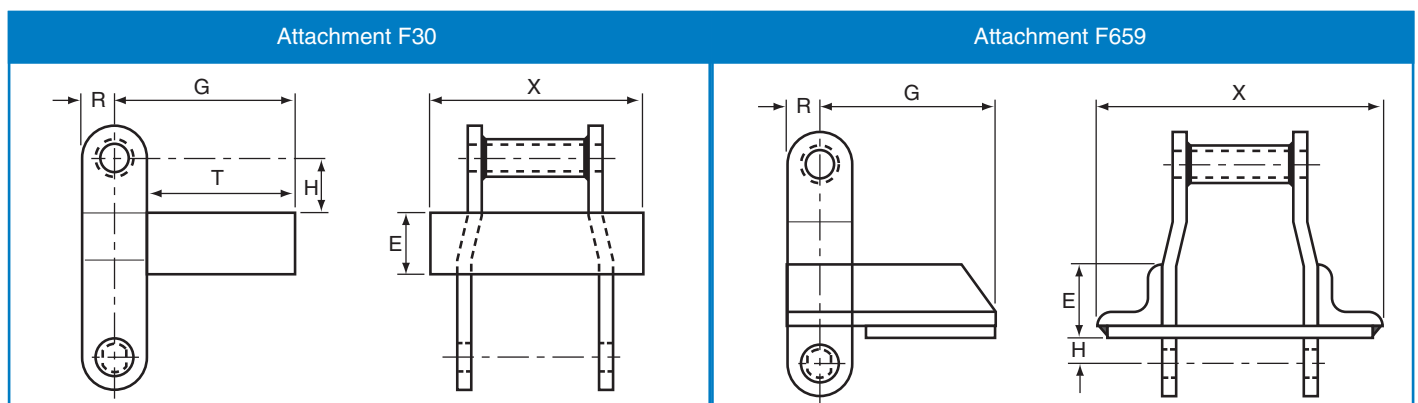
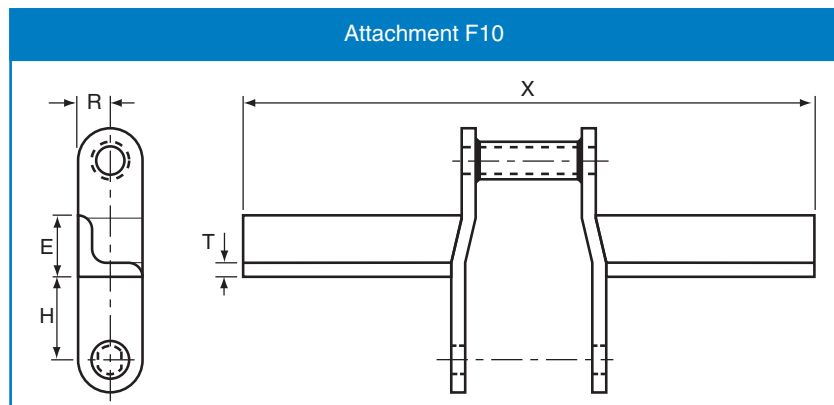
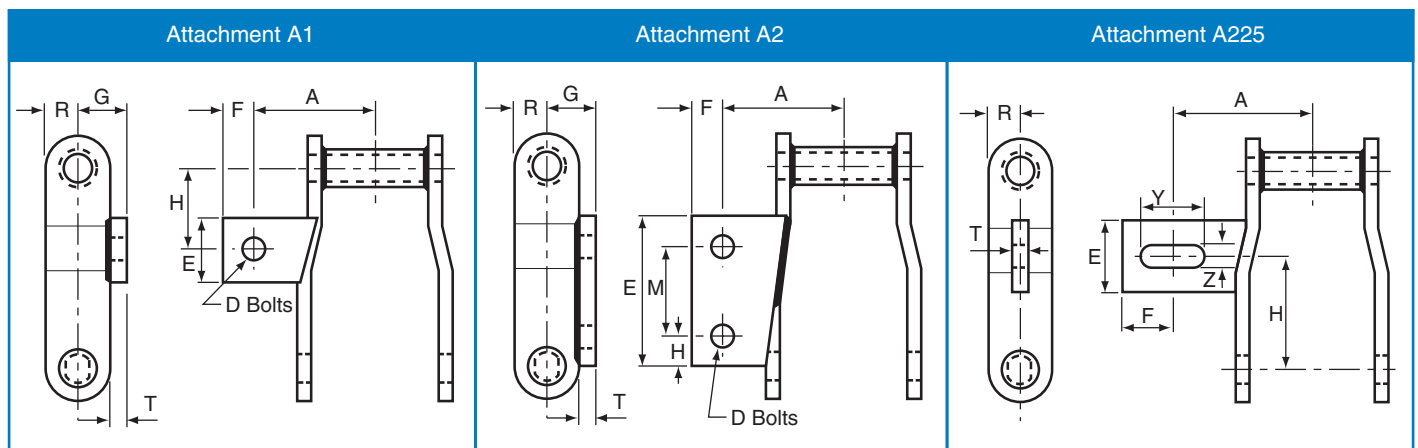
WH - Welded steel chain - fully heat treated



Timber Chain

Welded Steel Chain Attachments (Offset Side Bar)

Attachment Number	Chain Number	Mass lb/ft	Dimensions												
			A	D	E	F	G	H	K	M	R	T	X	Y	Z
A1	WR/WH78	4.97	50.80	9.58	31.75	12.70	20.57	31.75	-	-	14.27	6.35	-	-	-
A1	WR/WH82	6.50	54.10	9.58	44.45	15.88	23.88	38.10	-	-	15.88	6.35	-	-	-
A1	WR/WH124	8.40	66.68	15.88	50.80	15.88	28.70	45.97	-	-	19.05	9.53	-	-	-
A2	WR/WH78	4.50	50.80	9.58	54.10	12.70	19.81	10.41	-	28.70	14.27	6.35	-	-	-
A2	WR/WH82	6.00	54.10	9.53	57.15	15.80	23.88	12.70	-	31.75	15.88	7.92	-	-	-
A2	WR/WH124	10.00	66.68	9.58	76.20	22.23	28.70	22.23	-	49.28	19.05	9.53	-	-	-
A2	WR/WH132	17.00	95.25	12.70	101.60	19.05	38.10	41.28	-	69.85	25.40	12.70	-	-	-
A225	WR/WH124	8.90	101.60	-	50.80	49.28	-	50.80	-	-	19.05	12.70	-	57.15	22.23
F10	WR/WH82	4.80	-	-	31.75	-	-	23.80	-	-	15.88	6.35	260.35	-	-
F30	WR/WH78	9.90	-	-	25.40	-	68.33	20.57	-	-	14.27	54.10	76.20	-	-
F659	WR/WH124	13.10	-	-	44.45	-	120.65	12.70	-	-	19.05	-	167.39	-	-



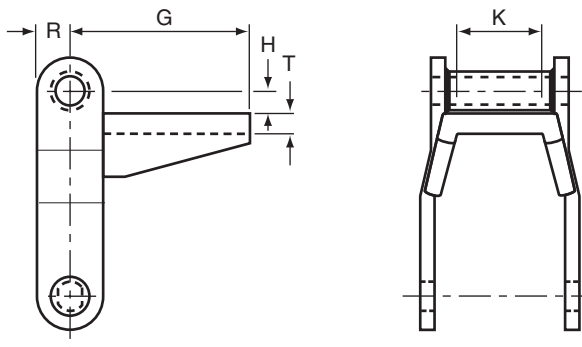
All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused.

Timber Chain

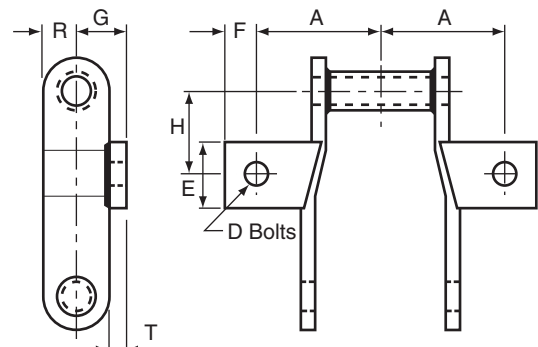
Welded Steel Chain Attachments (Offset Side Bar)

Attachment Number	Chain Number	Mass lb/ft	Dimensions												
			A	D	E	F	G	H	K	M	R	T	X	Y	Z
H2	WR/WH78	4.75	-	-	-	-	90.42	7.87	25.40	-	14.22	6.35	-	-	-
H2	WR/WH82	9.00	-	-	-	-	91.95	15.75	28.70	-	15.75	4.83	-	-	-
K1	WR/WH78	4.97	50.80	9.65	31.75	12.70	20.57	31.75	-	-	14.22	6.35	-	-	-
K1	WR/WH82	6.50	54.10	9.65	44.45	15.75	23.88	38.10	-	-	15.75	6.35	-	-	-
K1	WR/WH124	11.70	66.55	15.75	50.80	15.75	28.70	45.97	-	-	19.05	9.65	-	-	-
K2	WR/WH78	5.00	50.80	9.65	54.10	12.70	19.81	10.41	-	28.70	14.22	6.35	-	-	-
K2	WR/WH82	8.00	54.10	9.65	57.15	15.75	23.88	12.70	-	31.75	15.75	7.87	-	-	-
K2	WR/WH124	12.00	66.55	9.65	76.20	22.35	28.70	22.35	-	49.28	19.05	9.65	-	-	-
K2	WR/WH132	19.00	95.25	12.70	101.60	19.05	38.10	41.15	-	69.85	25.40	12.70	-	-	-
RR	WR/WH78	4.70	-	-	-	-	38.10	19.05	-	-	14.22	6.35	-	-	-
RR	WR/WH82	7.00	-	-	-	-	44.45	20.57	-	-	15.75	6.35	-	-	-
RR	WR/WH124	10.00	-	-	-	-	47.75	38.10	-	-	19.05	9.65	-	-	-

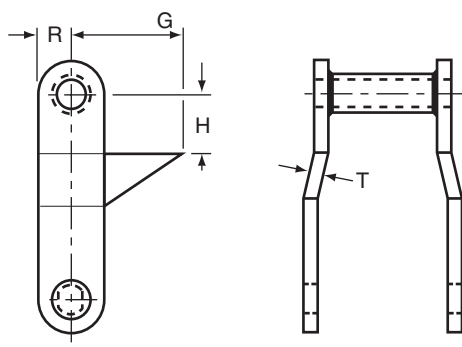
Attachment H2



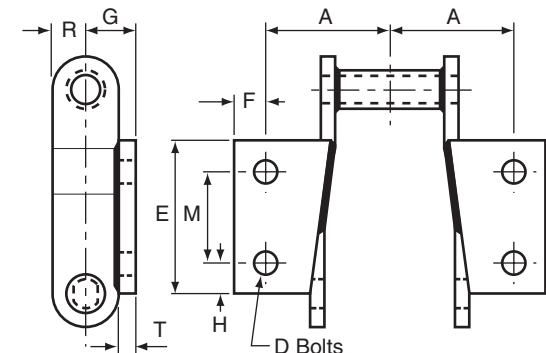
Attachment K1



Attachment RR



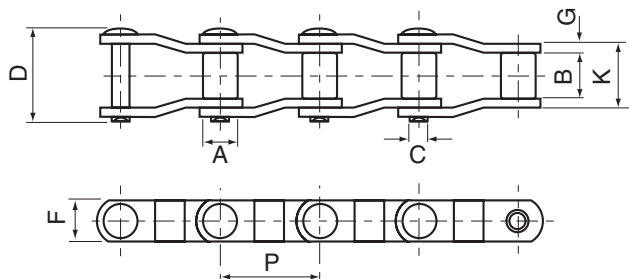
Attachment K2



Timber Chain

Offset Sidebar Roller Chain

Offset Sidebar Roller Chain



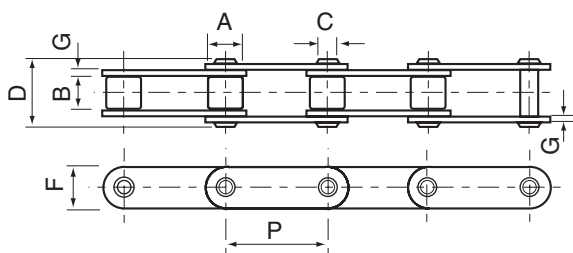
Material Spec.

	Sidebar	Pin	Bushing	Roller
S0-578	CH	CH	CC	CC
M0-88	C	CH	CC	CC
LXS-882	CH	AH	AC	CH
M0H-578	CH	CH	CC	CH

Chain Number	Pitch		Average Ultimate Strength lbf	Max. Working Load lbf	Approx. Links Per Foot	Average Mass lb/ft	Dimensions						
	inch	mm					A	B	C	D	F	G	K
S0-578	2.609	66.269	19,000	2,200	4.6	2.7	22.23	26.99	9.53	52.78	25.40	3.97	36.51
M0-88	2.609	66.269	20,000	2,400	4.6	3.8	22.23	26.99	11.11	59.53	28.58	6.35	41.28
LXS-882	2.609	66.269	29,000	2,800	4.6	3.9	22.23	28.58	11.11	59.53	28.58	6.35	42.86
M0H-578	2.609	66.269	19,000	2,200	4.6	2.7	22.23	26.99	9.53	52.78	25.40	5.56	36.12

Straight Sidebar Roller Chain

Straight Sidebar Roller Chain



Material Spec.

	Sidebar	Pin	Bushing	Roller
MS-88	C	CH	CC	CC
81-X	CH	AC	AC	CH
81-XH	CH	AC	AC	CH
81-XHS	CH	AC	AC	CH
SS-188	CH	AC	CC	CC

Chain Number	Pitch		Average Ultimate Strength lbf	Max. Working Load lbf	Approx. Links Per Foot	Average Mass lb/ft	Dimensions							Side Plate Thickness (G)	
	inch	mm					A	B	C	D	F	K		Chain	Conn
MS-88	2.609	66.269	26,000	2,500	4.6	3.8	22.23	26.99	11.11	59.53	28.58	41.28	6.35	6.35	
81-X	2.609	66.269	22,000	2,200	4.6	2.6	23.02	26.99	11.11	47.23	28.58	34.93	3.97	3.97	
81-XH	2.609	66.269	41,800	5,000	4.6	3.9	23.02	26.99	11.11	59.18	31.75	42.86	7.94	5.56	
81-XHS	2.609	66.269	41,800	5,000	4.6	4.2	23.02	26.99	11.11	63.50	32.94	42.86	7.94	7.94	
SS-188	2.609	66.269	26,000	2,500	4.6	3.8	22.23	26.99	11.11	59.53	28.58	41.28	6.35	6.35	

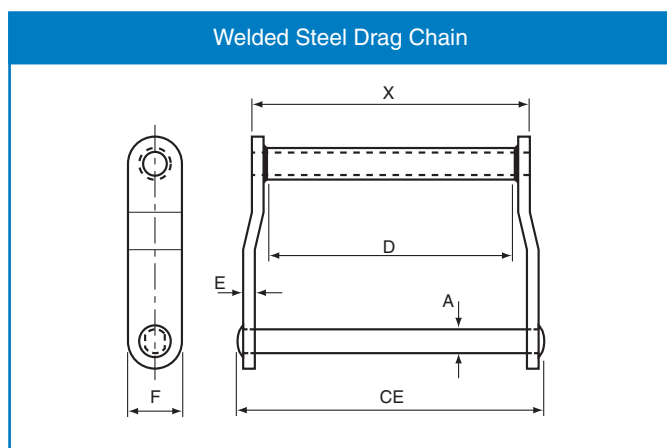
Material Designation

C: Carbon Steel
 CC: Carbon Steel Case Hardened
 AC: Alloy Steel Case Hardened
 CH: Carbon Steel Heat Treated
 AH: Alloy Steel Heat Treated

Timber Chain

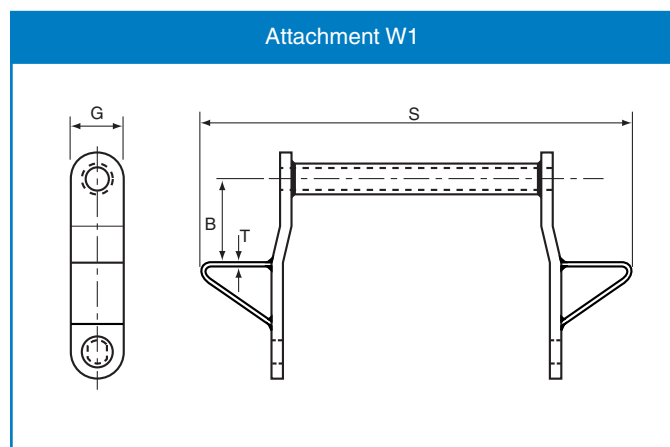
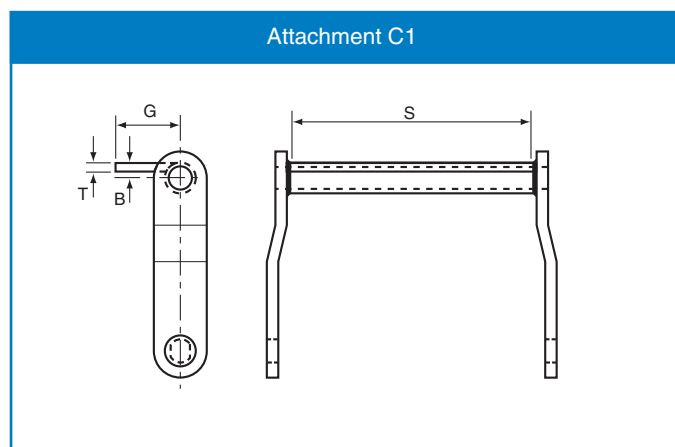
Welded Steel Drag Chain

Chain Number	Pitch		Average Ultimate Strength lbf	Max. Working Load lbf	Approx. Links Per Foot	Average Mass lb/ft	Dimensions					
	mm	Inches					CE	X	A	E	D	F
WD104	152.4	6	51000	8500	20	8.7	174.75	136.65	19.05	9.65	104.65	38.1
WD110	152.4	6	51000	8500	20	12.0	301.75	263.65	19.05	9.65	228.60	38.1
WD120	152.4	6	80000	12300	20	19.4	304.80	257.05	22.35	12.70	215.90	50.8
WD122	203.2	8	80000	12300	15	16.0	304.80	257.05	22.35	12.70	215.90	50.8
WD480	203.2	8	80000	12300	15	18.1	371.35	323.75	22.35	12.70	279.40	50.8



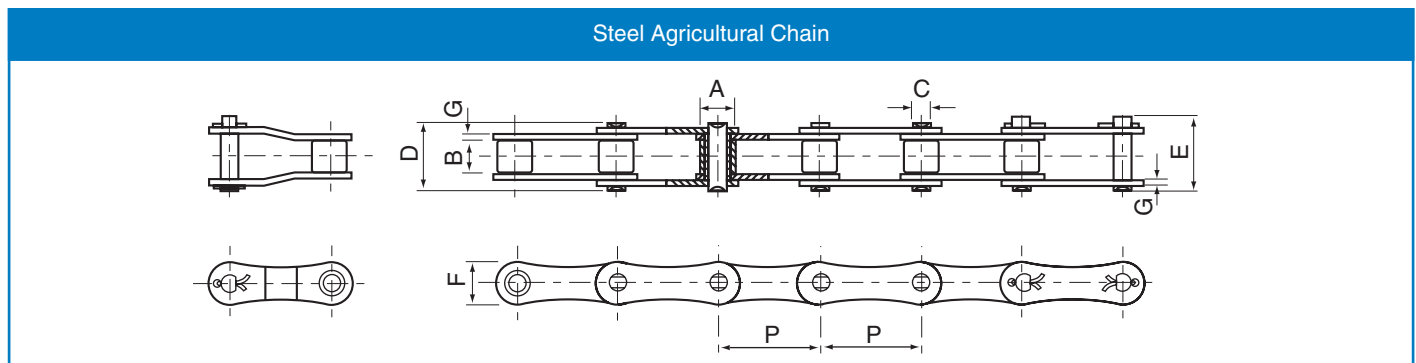
Drag Chain Attachments

Attachment Number	Chain Ref	Dimensions			
		S	B	G	T
C1	WD104	104.65	9.53	57.15	9.53
W1	WD104	304.80	47.63	-	9.53
W1	WD120	431.80	44.45	-	12.70



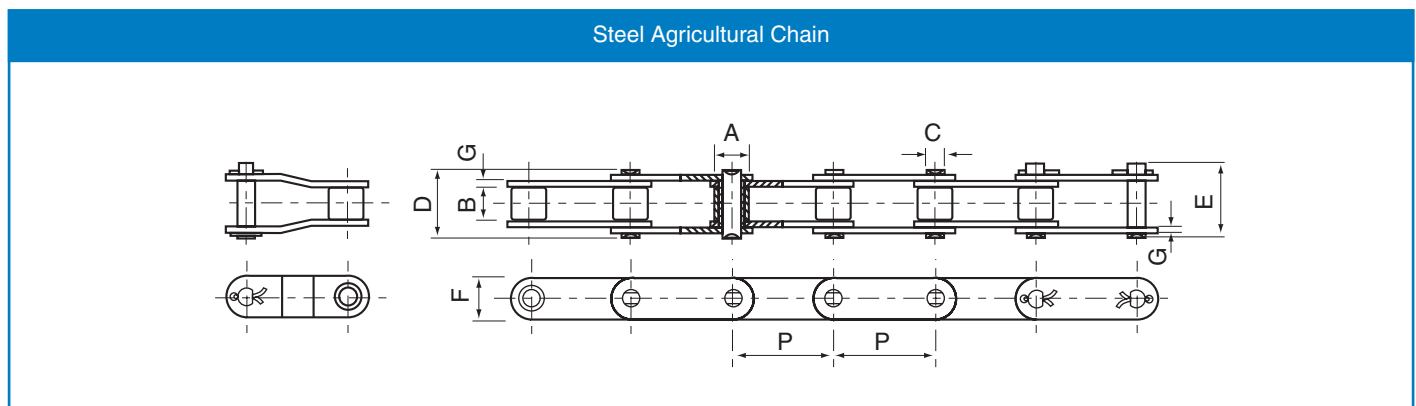
Agricultural Chain

Steel Agricultural Chain



Chain number	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Minimum tensile strength	Average tensile strength	Mass per metre
	P	A	B	C	D	E	F	G	kN	kN	kg/m
S32	29.210	11.43	15.88	4.45	26.70	28.80	13.20	1.80	8.00	21.60	0.86
S42	34.930	14.27	19.05	7.00	34.30	37.00	19.80	2.80	27.00	50.80	1.60
S45	41.400	15.24	22.23	5.72	37.70	40.40	17.30	2.80	18.00	36.10	1.66
S52	38.100	15.24	22.23	5.72	37.70	40.40	17.30	2.80	18.00	36.10	1.68
S55	41.400	17.78	22.23	5.72	37.70	40.40	17.30	2.80	18.00	36.10	1.80
S55X	41.300	15.88	20.00	8.28	38.00	40.70	20.00	3.00	50.00	-	-
S55R	41.400	17.78	22.23	8.90	41.00	44.00	22.40	3.50	45.00	73.10	2.49
S62	41.910	19.05	25.40	5.72	40.30	43.00	17.30	2.50	27.00	36.10	1.87
S77	58.340	18.26	22.23	8.90	43.20	46.40	26.20	4.00	45.00	73.10	2.65
S88	66.270	22.86	28.58	8.90	49.80	53.00	26.20	4.00	45.00	73.10	3.25

Steel Agricultural Chain



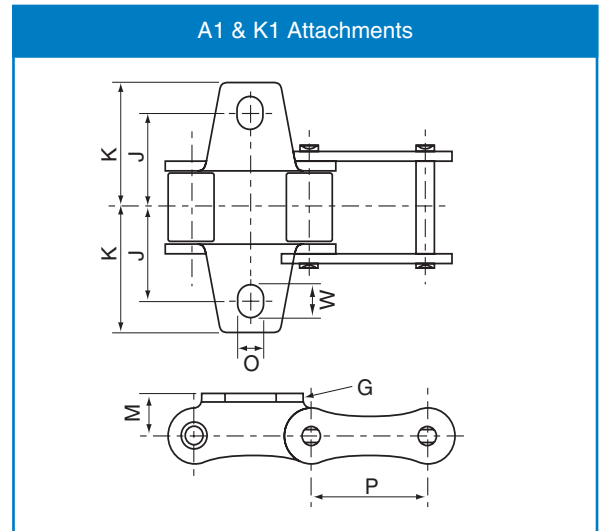
Chain number	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Inner plate height	Plate thickness	Minimum tensile strength	Average tensile strength	Mass per metre
	P	A	B	C	D	E	F	G	kN	kN	kg/m
38.4	38.400	15.88	19.05	6.92	33.80	37.00	17.30	2.50	25.00	33.00	1.65
38.4-V	38.400	15.88	18.00	6.92	33.80	37.00	17.30	3.00	31.50	40.00	1.74
38.4-VB	38.400	15.88	19.05	8.27	36.20	39.40	20.50	3.00	45.00	50.00	2.12
CA550	41.400	16.87	19.81	7.19	35.00	38.00	19.30	2.80	39.10	51.20	1.94
CA555	41.400	16.87	12.70	7.19	29.70	33.10	19.30	3.10	39.10	56.00	1.83
CA557	41.400	17.78	20.24	8.00	37.40	40.60	23.10	3.10	55.61	74.30	2.20
CA620	42.010	17.91	24.51	7.19	41.80	45.20	20.20	3.25	39.10	55.10	2.35
CA650	50.800	25.00	27.80	9.53	40.40	44.70	25.00	4.00	80.00	95.50	3.49
CA2060H	38.100	11.91	12.70	5.94	29.74	31.72	17.45	3.25	31.28	40.50	1.50
CA2063H	38.100	11.89	12.70	5.94	29.40	34.20	19.30	3.25	31.28	40.50	1.65

All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused.

Agricultural Chain Attachments

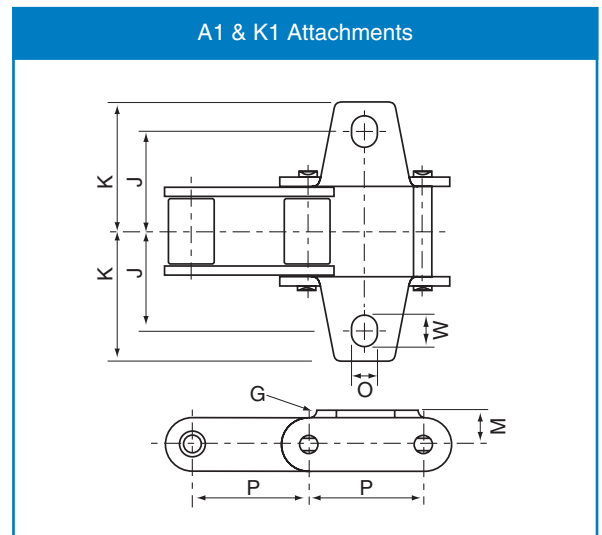
S Series A1 & K1 Attachments

Chain number	P	G	J	K	M	ØO	W
S32	29.21	1.80	21.50	30.50	8.60	5.30	6.90
S42	34.93	2.80	27.00	37.45	14.00	8.30	11.50
S45	41.40	2.80	27.00	37.50	11.40	8.50	11.70
S52	38.10	2.80	29.40	39.00	11.40	8.30	9.90
S55	41.40	2.80	27.00	37.50	11.40	8.50	11.70
S62	41.91	2.50	33.40	47.70	11.40	6.50	13.00
S77	58.34	4.00	38.10	50.80	20.80	8.40	11.70
S88	66.27	4.00	48.50	59.70	20.80	8.40	10.00



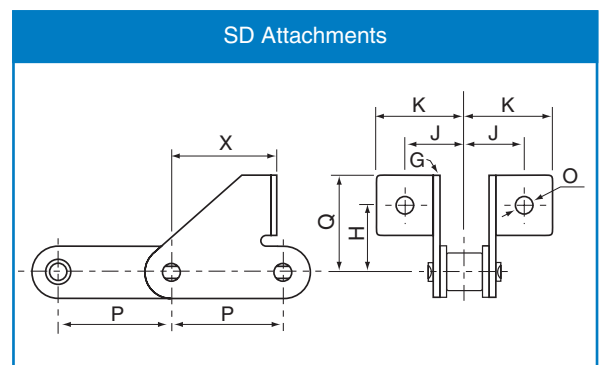
38.4 & CA Series A1 & K1 Attachments

Chain number	P	G	J	K	M	ØO	W
38.4	38.40	2.50	29.00	41.50	15.40	9.00	
38.4-V	38.40	3.00	28.75	41.00	15.40	9.00	
38.4-VB	38.40	3.00	29.00	43.50	14.00	10.50	
CA550	41.40	2.80	26.25	38.10	12.70	8.30	10.00
CA557	41.40	3.10	25.40	36.00	15.90	8.70	



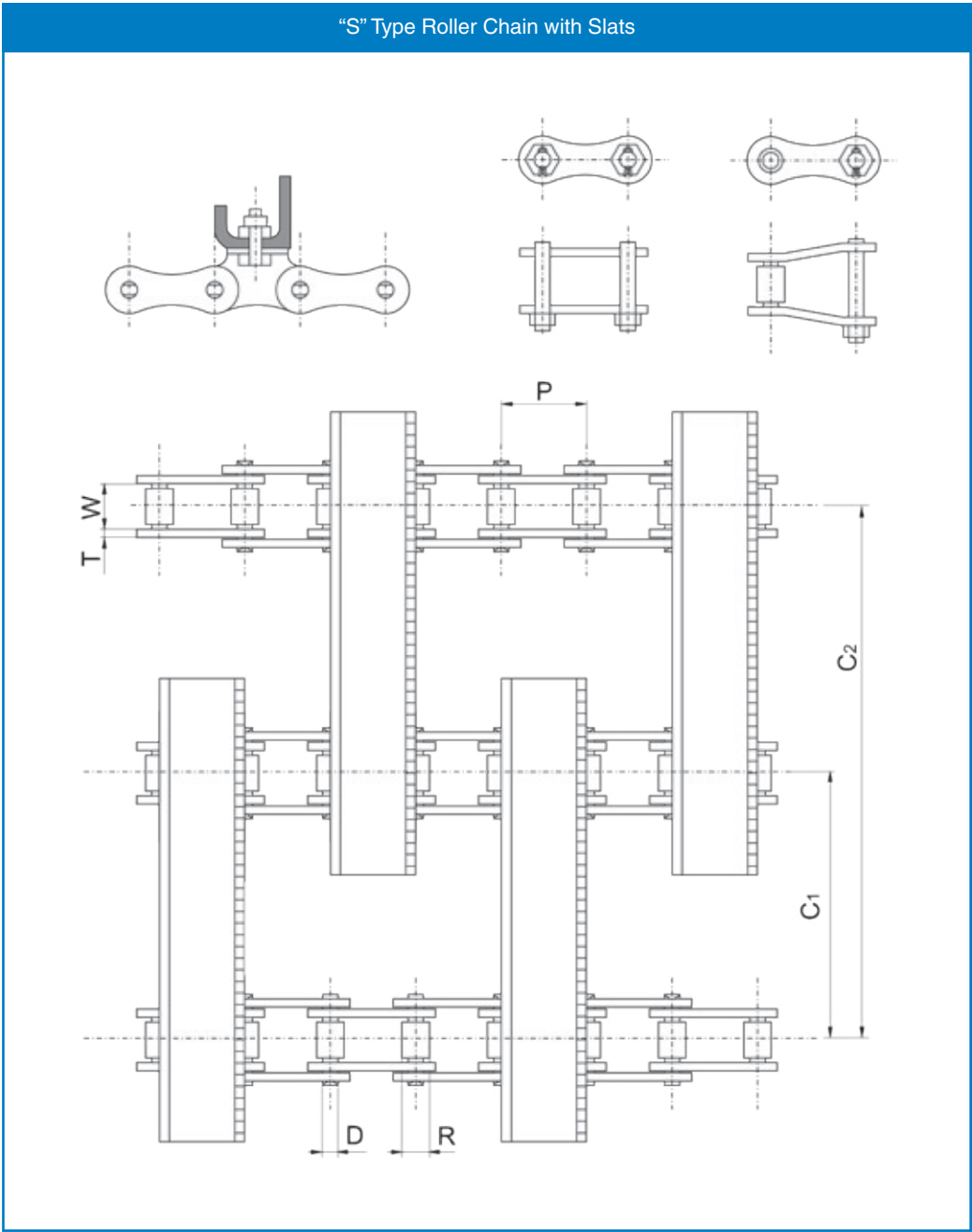
S, 38.4 & CA Series SD Attachments

Chain number	P	G	Q	J	K	H	X	ØO
S45	41.40	2.80	26.00	29.00	44.25	16.00	24.00	6.40
S55	41.40	2.80	26.00	29.00	44.25	16.00	24.00	6.40
38.4	38.40	2.50	37.00	26.00	35.50	24.00	38.40	8.40
38.4-VB	38.40	3.00	34.00	26.00	35.50	25.00	32.40	6.50
CA550	41.40	2.80	42.90	23.80	34.10	31.00	36.90	8.70



Agricultural Chain Attachments

“S” Type Roller Chain with Slats

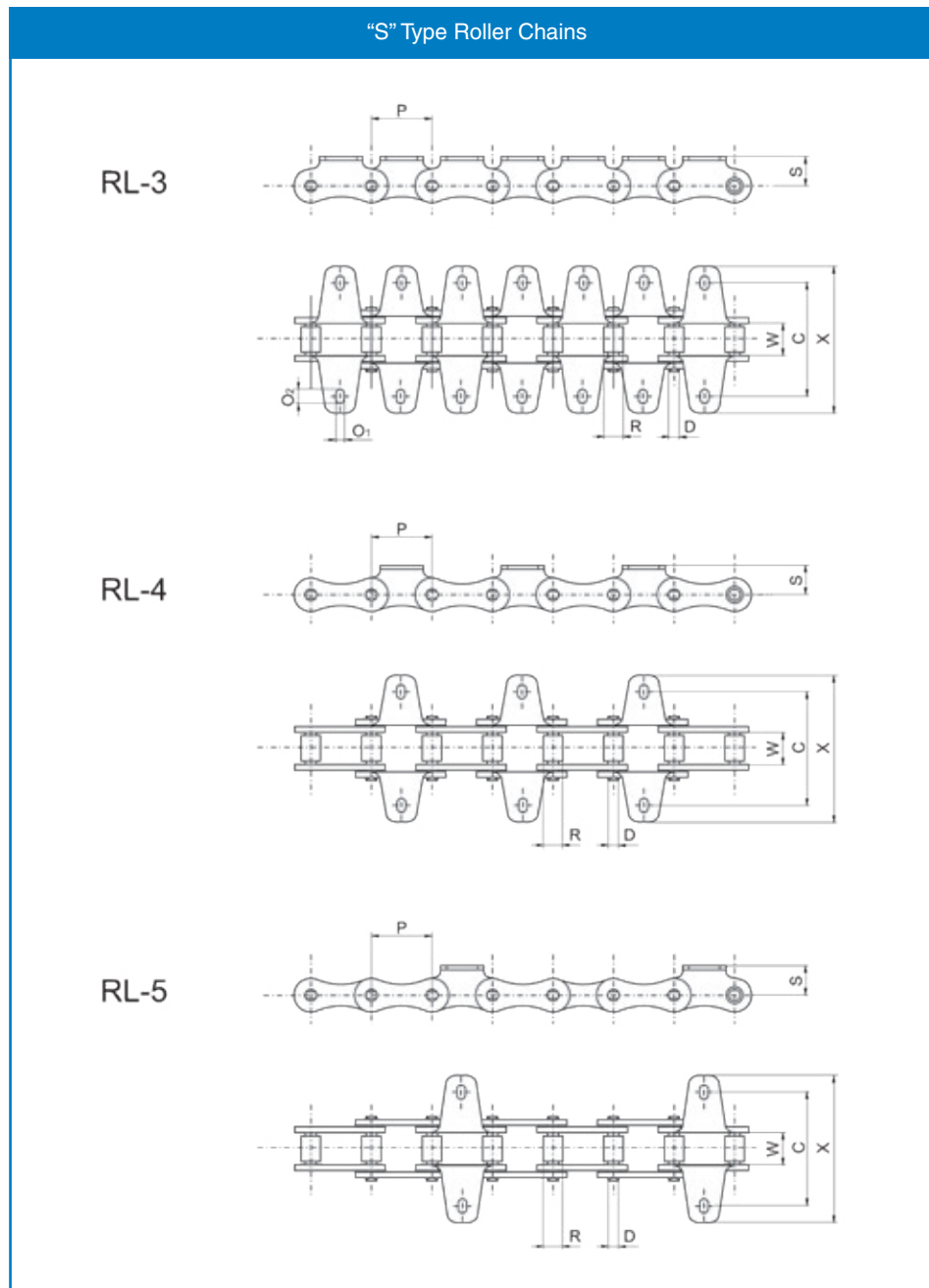


Model	Pitch		Width	Roller dia. / Ø	Pin dia. / Ø	Plate thickness				Mass
	mm	inch					C1	C2	T	
S55X/TM	41.3	1.5/8"	20	15.88	8.28	20	500	1000	3	24

All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused.

Agricultural Chain Attachments

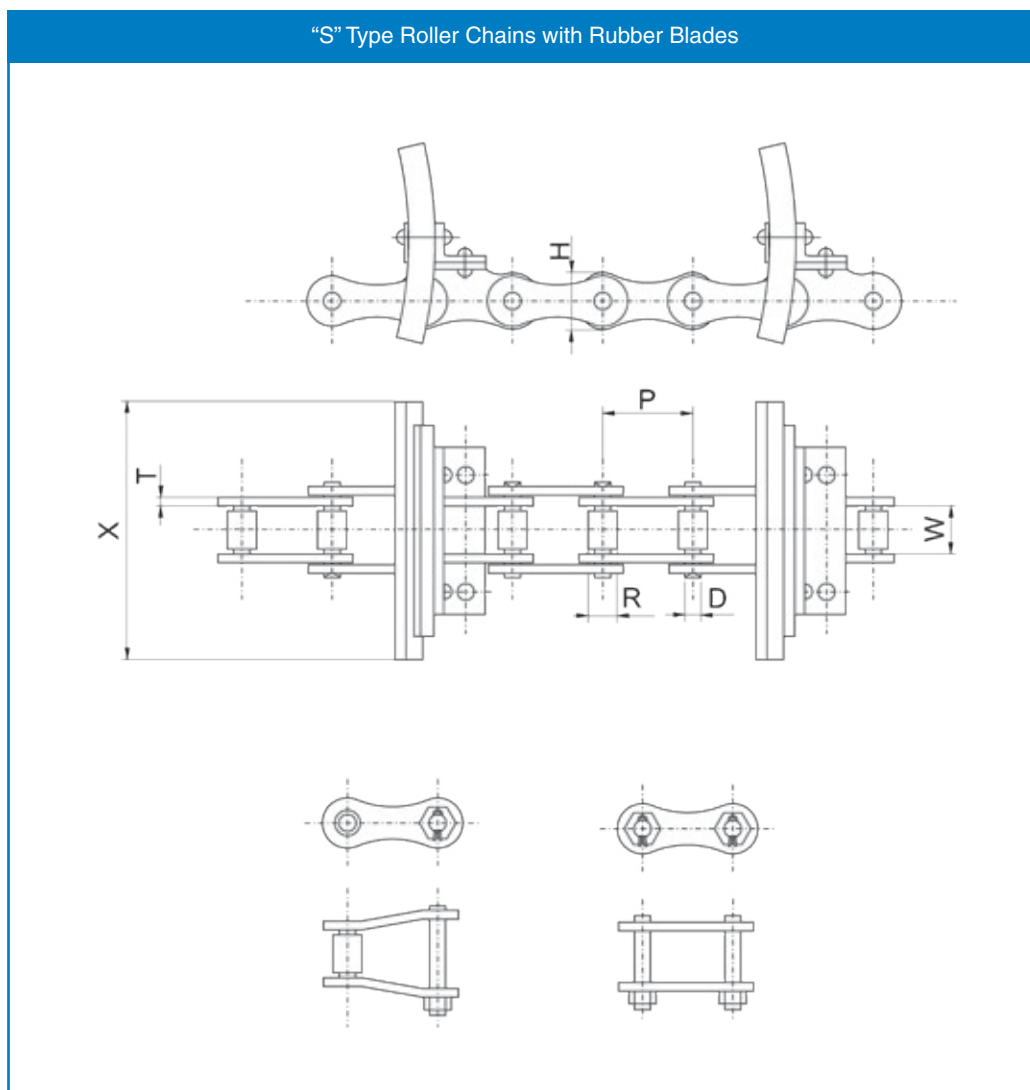
“S” Type Roller Chains



Model	Pitch		Width W min	Roller dia. / Ø R	Pin dia. / Ø D	Plate thickness H	C	X	S	T	O1	O2	Tensile strength kN
	mm	inch											
S55X/RL-3	41.3	1.5/8"	20	15.88	8.28	20	52.0	79.4	17	3	8.3	10	50
S55X/RL-4	41.3	1.5/8"	20	15.88	8.28	20	52.0	79.4	17	3	8.3	10	50
S55X/RL-5	41.3	1.5/8"	20	15.88	8.28	20	52.0	79.4	17	3	8.3	10	50

Agricultural Chain Attachments

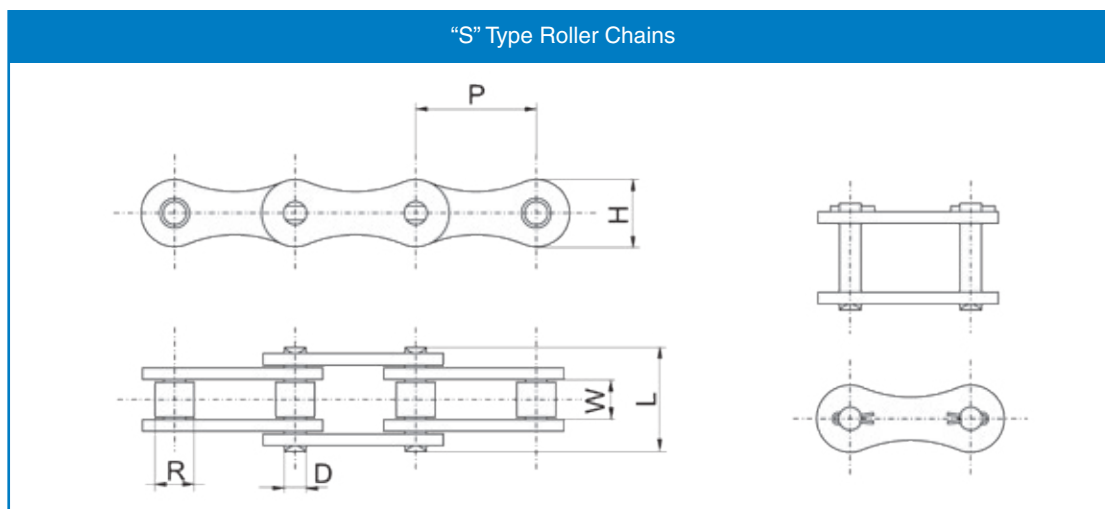
“S” Type Roller Chains with Rubber Blades



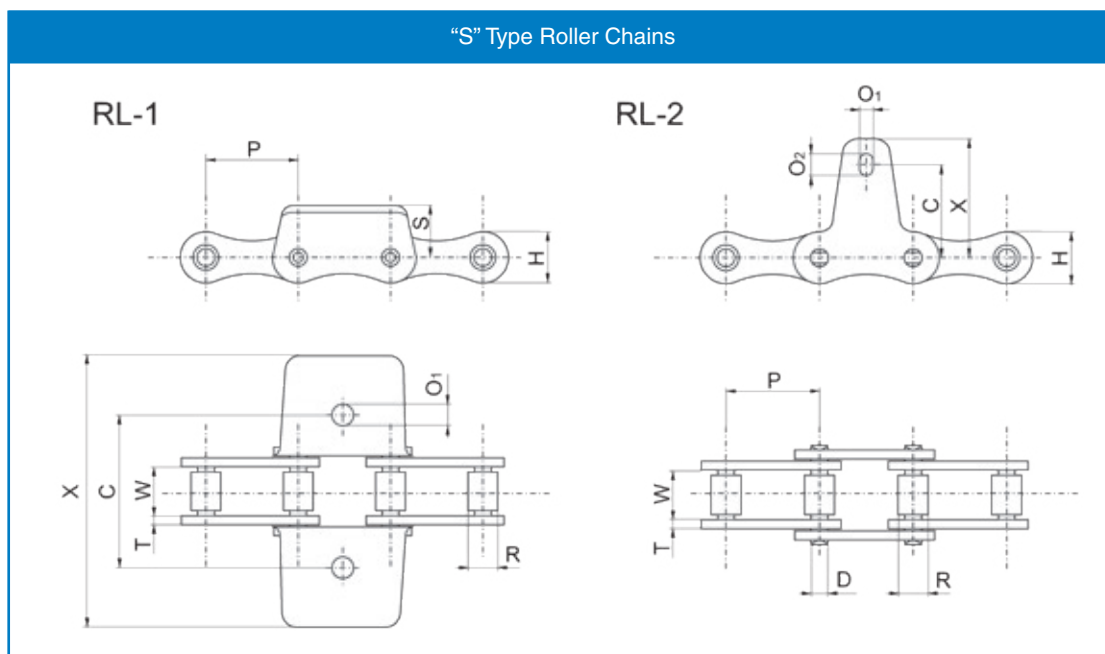
Model	Pitch		Width W min	Roller dia. / Ø		Pin dia. / Ø		Plate thickness		Tensile strength kN	Mass kg/m
	inch	mm		R	D	H	X	C	T		
S55X/TM -1	1.5/8"	41.3	20	15.88	8.28	20	110	52	3	50	3.80
S55X/TM -2	1.5/8"	41.3	20	15.88	8.28	20	136	52	3	50	3.93
S55X/TM -3	1.5/8"	41.3	20	15.88	8.28	20	166	52	3	50	5.30

Agricultural Chain Attachments

“S” Type Roller Chains



Model	Pitch P		Width W min	Roller dia. / Ø R	Pin dia. / Ø D	Plate thickness H	Pin length L max	Tensile strength kN
	mm	inch						
S55X/TM-1	41.3	1.5/8"	20.0	15.88	8.28	20.0	38.0	50

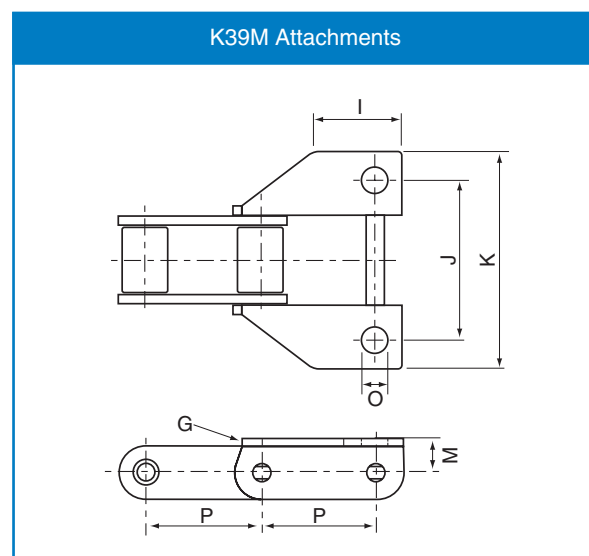


Model	Pitch		Width W min	Roller dia. / Ø R	Pin dia. / Ø D	Plate thickness H	C	X	S	T	O1	O2	Tensile strength kN
	mm	inch											
08 B/K1	41.3	1.5/8"	20	15.88	8.28	20	52.0	90.0	17	3	8.3	-	50
12 B/K3	41.3	1.5/8"	20	15.88	8.28	20	23.7	34.4	-	3	8.3	10	50

Agricultural Chain Attachments

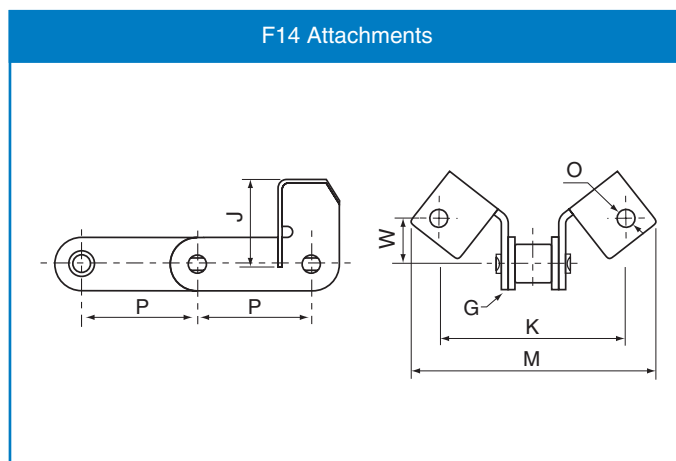
CA Series K39M Attachments

Chain number	P	G	I	J	K	M	ØO
CA550	41.40	2.8	30.0	50.80	72.00	12.70	9.50
CA557	41.40	3.1	38.1	53.94	76.20	14.60	9.90



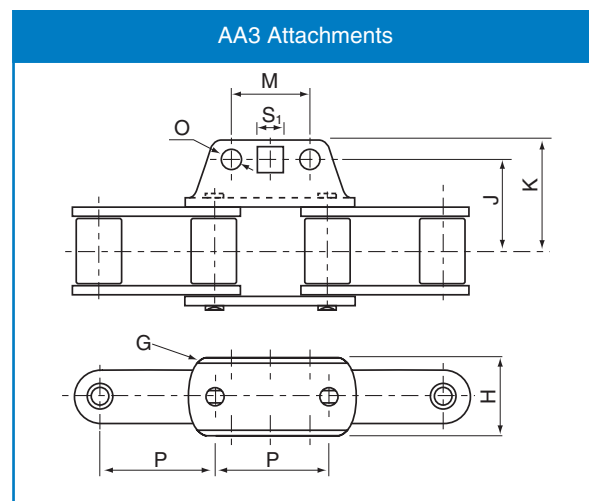
CA Series F14 Attachments

Chain number	P	G	J	K	M	ØO	W
CA550	41.40	2.8	31.75	79.40	101.60	8.33	15.90
CA557	41.40	3.1	31.75	79.40	101.60	8.33	15.90



CA Series AA3 Attachments

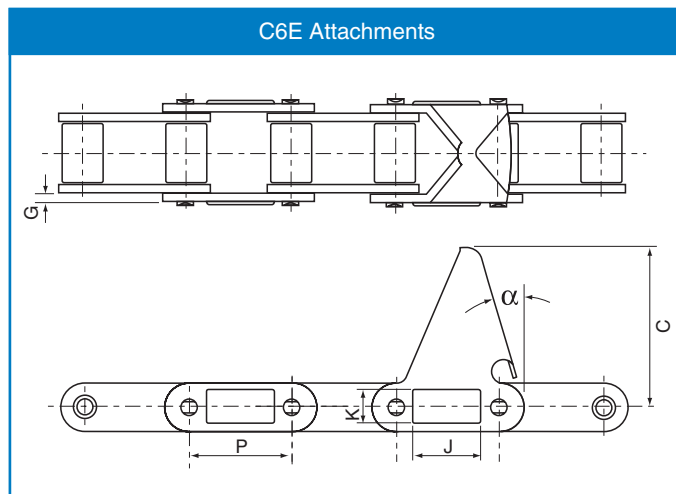
Chain number	P	G	J	K	M	H	ØO	S ₁
CA557	41.40	3.10	31.90	43.29	30.20	31.06	8.20	9.73



Agricultural Chain Attachments

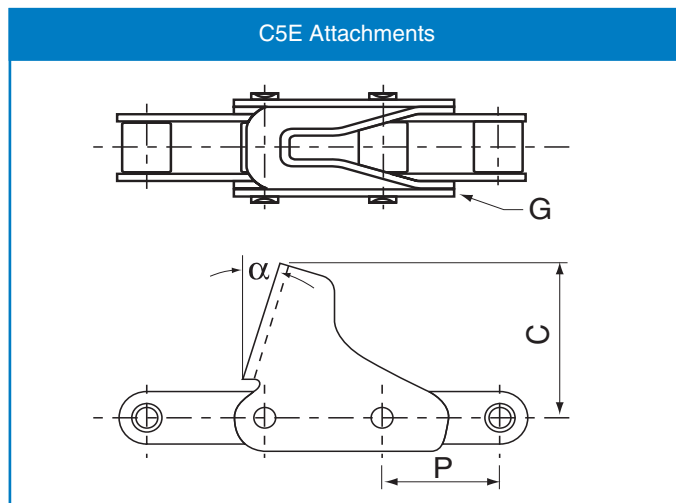
CA Series C6E Attachments

Chain number	P	G	C	J	K	α °
CA550	41.40	2.80	55.60	23.60	13.50	20.0
CA555	41.40	3.10	63.50	23.60	13.50	15.0
C2060H	38.10	3.25	63.50	-	-	22.5



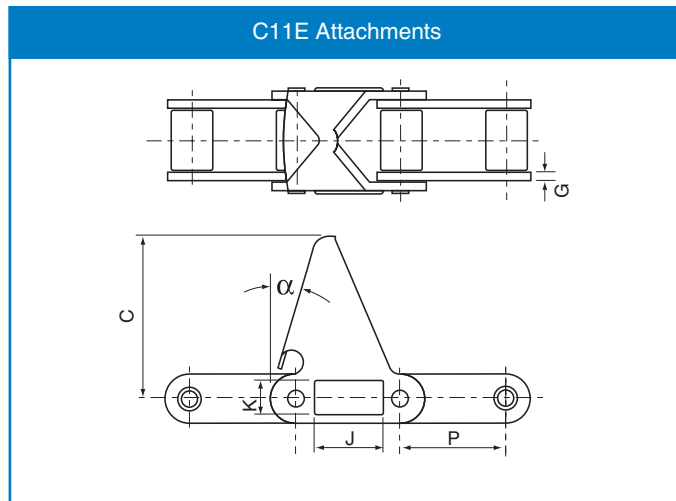
CA Series C5E Attachments

Chain number	P	G	C	α °
CA550	41.40	2.8	59.00	15
CA555	41.40	3.1	57.15	15



CA Series C11E Attachments

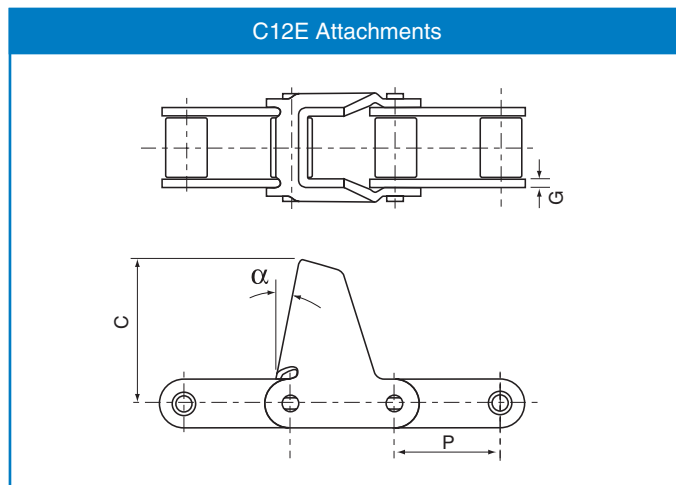
Chain number	P	G	C	J	K	α °
CA550	41.40	2.80	59.00	23.60	13.50	15



Agricultural Chain Attachments

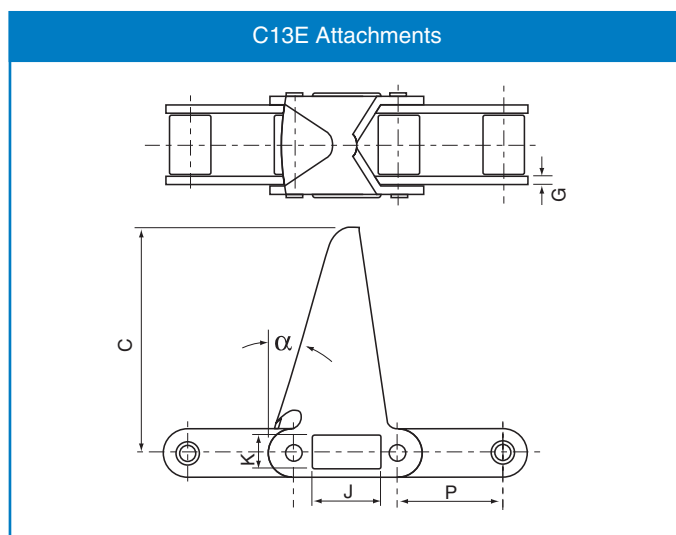
CA Series C12E Attachments

Chain number	P	G	C	α °
CA550	41.40	2.8	59.00	9



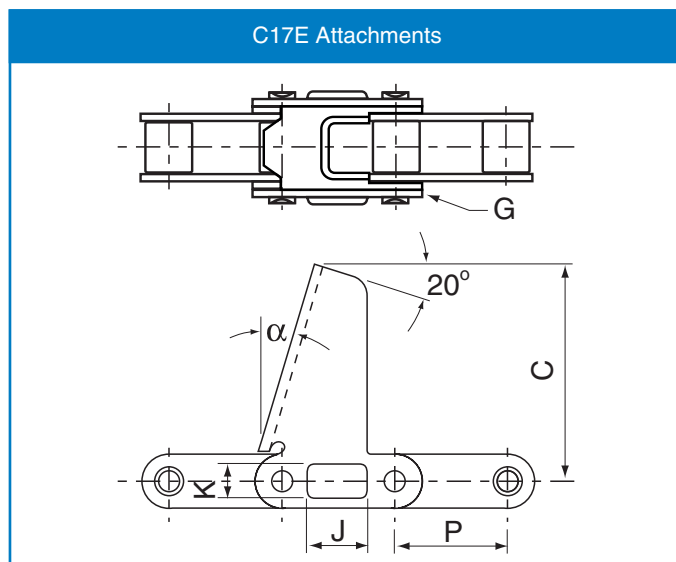
CA Series C13E Attachments

Chain number	P	G	C	J	K	α °
CA550	41.40	2.80	92.10	23.60	13.50	15



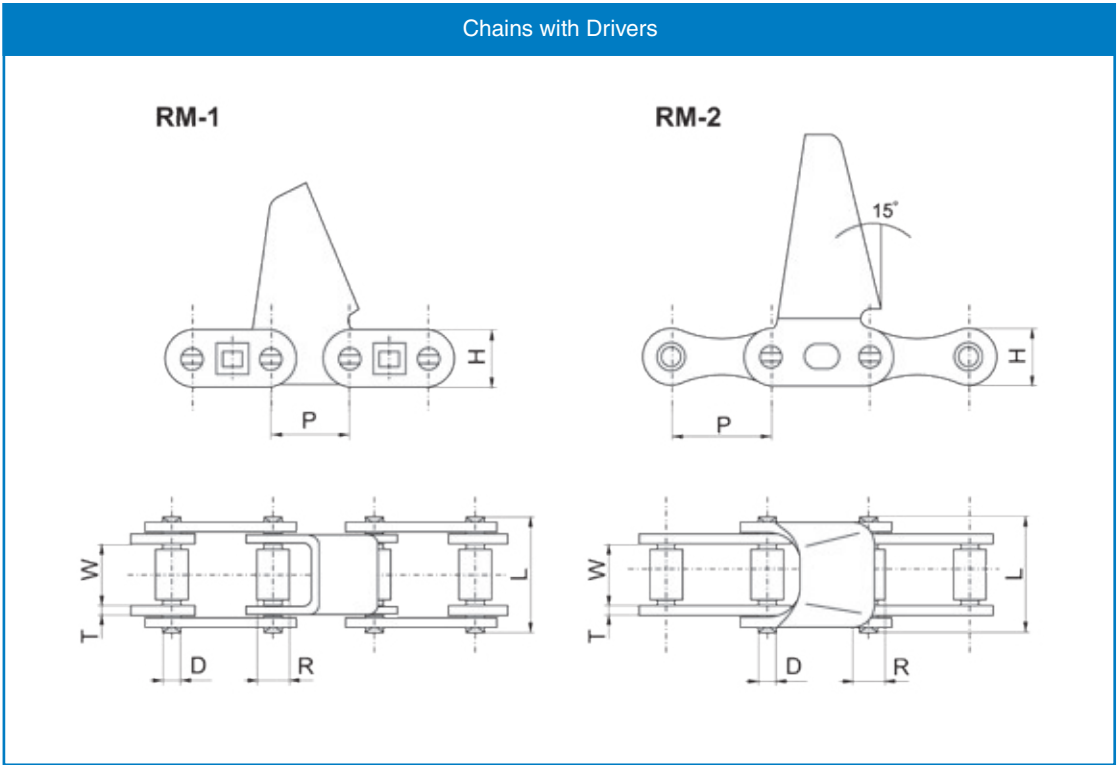
CA Series C17E Attachments

Chain number	P	G	C	J	K	α °
CA550	41.40	2.80	76.20	23.60	13.50	15



Agricultural Chain Attachments

Chains with RM Attachments



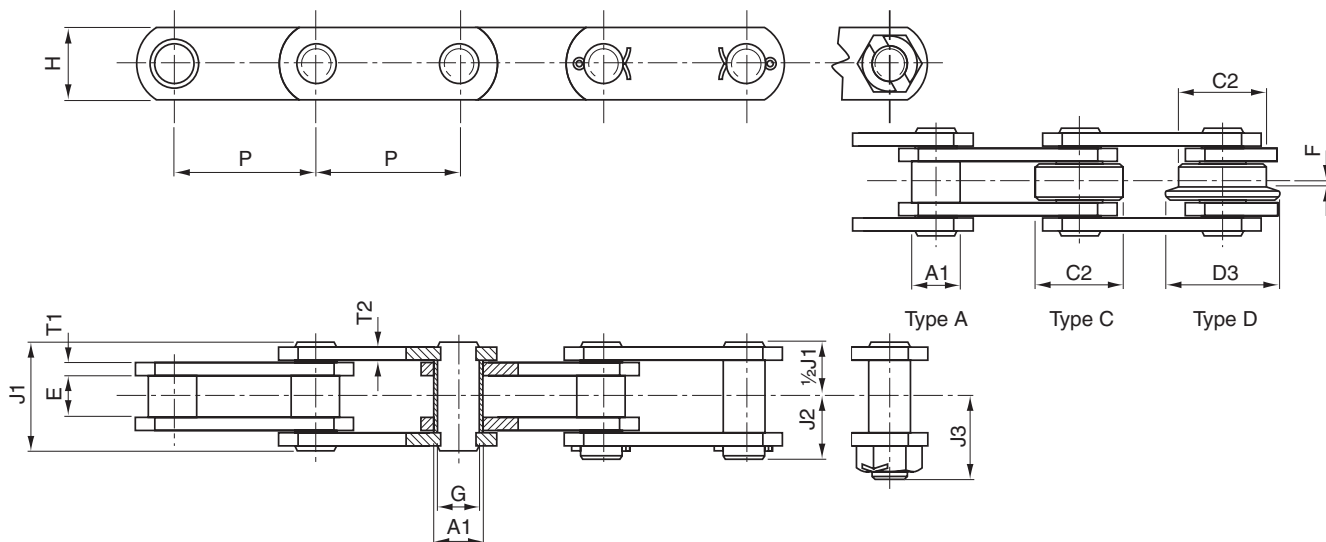
Model	Pitch	Working dimensions	Roller dia. / Ø	Pin dia. / Ø	Width of plate links	Pin length	Thickness of plate	Tensile strength
	P	W min	R max	D max	H max	L max	T	kN
RM1	30.0	20	15.88	8.28	20.7	35.8	3	40
RM2	14.3	20	15.88	8.28	20.0	38.0	3	50

Conveyor Chain

Z Series

BS Conveyor Chain (BS 4116 Part 4)

Solid Pin



Solid Pin

Chain Number	Minimum Breaking Load, lbf	Pitch Inches	Pitch mm	E	C2	D3	F	A1	G	H	T1	T2	J1	J2	J3	Breaking load kN	Mass (Type C) kg/m
Z40	7 500	2.0	50.8	15	31.75	40	2.5	17	14	25	4	4	37	22	28.5	40	4.0
Z40	"	2.5	63.5	"	"	"	"	"	"	"	"	"	"	"	"	"	3.5
Z40	"	3.0	76.2	"	"	"	"	"	"	"	"	"	"	"	"	"	3.2
Z40	"	3.5	88.9	"	"	"	"	"	"	"	"	"	"	"	"	"	3.0
Z40	"	4.0	101.6	"	"	"	"	"	"	"	"	"	"	"	"	"	2.8
Z40	"	5.0	127.0	"	"	"	"	"	"	"	"	"	"	"	"	"	2.6
Z40	"	6.0	152.4	"	"	"	"	"	"	"	"	"	"	"	"	"	2.4
Z100	15 000	3.0	76.2	19	47.5	60	3.5	23	19	40	5	4	45	28	37	100	7.7
Z100	"	3.5	88.9	"	"	"	"	"	"	"	"	"	"	"	"	"	7.0
Z100	"	4.0	101.6	"	"	"	"	"	"	"	"	"	"	"	"	"	6.5
Z100	"	5.0	127.0	"	"	"	"	"	"	"	"	"	"	"	"	"	5.8
Z100	"	6.0	152.4	"	"	"	"	"	"	"	"	"	"	"	"	"	5.3
Z100	"	7.0	177.8	"	"	"	"	"	"	"	"	"	"	"	"	"	5.0
Z100	"	8.0	203.2	"	"	"	"	"	"	"	"	"	"	"	"	"	4.7
Z160	30 000	4.0	101.6	26	66.7	82	3.5	33	26.9	50	7	5	58	34.5	51	156	14.3
Z160	"	5.0	127.0	"	"	"	"	"	"	"	"	"	"	"	"	"	12.5
Z160	"	6.0	152.4	"	"	"	"	"	"	"	"	"	"	"	"	"	11.3
Z160	"	7.0	177.8	"	"	"	"	"	"	"	"	"	"	"	"	"	10.5
Z160	"	8.0	203.2	"	"	"	"	"	"	"	"	"	"	"	"	"	9.8
Z160	"	9.0	228.6	"	"	"	"	"	"	"	"	"	"	"	"	"	9.3
Z160	"	10.0	254.0	"	"	"	"	"	"	"	"	"	"	"	"	"	9.0
Z300	45 000	6.0	152.4	38	88.9	114	8.5	38	28	60	10	8	83	47	70	300	24.3
Z300	"	7.0	177.8	"	"	"	"	"	"	"	"	"	"	"	"	"	22.0
Z300	"	8.0	203.2	"	"	"	"	"	"	"	"	"	"	"	"	"	21.0
Z300	"	10.0	254.0	"	"	"	"	"	"	"	"	"	"	"	"	"	18.0
Z300	"	12.0	304.8	"	"	"	"	"	"	"	"	"	"	"	"	"	16.5
Z300/60	60 000	6.0	152.4	38	88.9	114	8.5	38	32	60	10	8	84	52	71	300	24.0
Z300/60	"	7.0	177.8	"	"	"	"	"	"	"	"	"	"	"	"	"	21.8
Z300/60	"	8.0	203.2	"	"	"	"	"	"	"	"	"	"	"	"	"	20.0
Z300/60	"	10.0	254.0	"	"	"	"	"	"	"	"	"	"	"	"	"	17.7
Z300/60	"	12.0	304.8	"	"	"	"	"	"	"	"	"	"	"	"	"	16.0

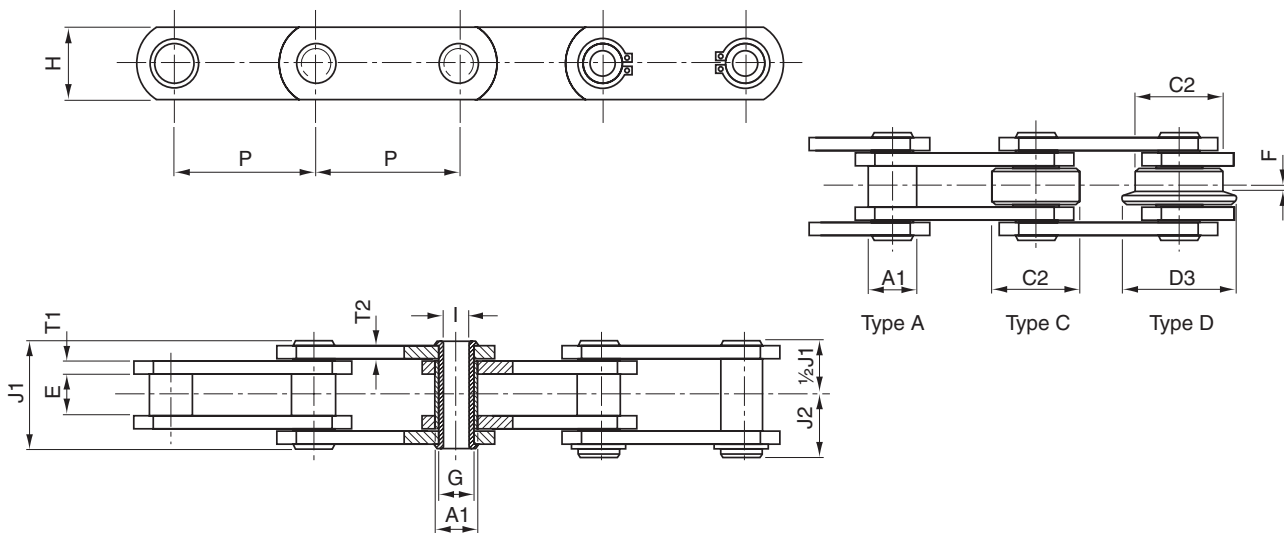
Up-rated breaking load chain has heat treated side plates.

Conveyor Chain

ZC Series

BS Conveyor Chain (BS 4116 Part 4)

Hollow Pin



Hollow Pin

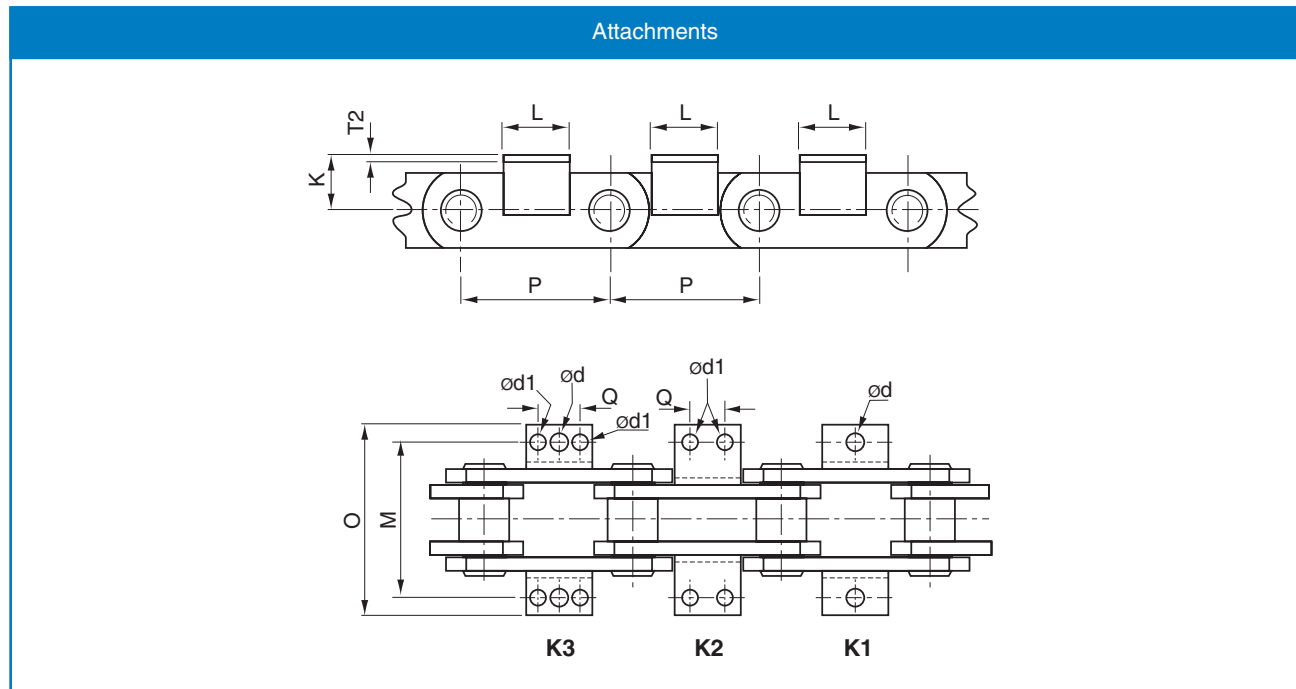
Chain Number	Minimum Breaking Load, lbf	Pitch Inches	Pitch mm	E	C2	D3	F	A1	G	I	H	T1	T2	J1	J2	Breaking load kN	Mass (Type C) kg/m
ZC21	4 500	1.5	38.1	12.7	25.4	/	/	11	9	6.5	18	2.5	2.5	26	14.5	21	2.2
ZC21	"	2.0	50.8	"	"	"	"	"	"	"	"	"	"	"	"	"	1.7
ZC21	"	2.5	63.5	"	"	"	"	"	"	"	"	"	"	"	"	"	1.6
ZC21	"	3.0	76.2	"	"	"	"	"	"	"	"	"	"	"	"	"	1.4
ZC40	6 000	2.0	50.8	15	31.75	40	2.5	17	14	10.2	25	4	4	36.4	19.5	40	3.6
ZC40	"	2.5	63.5	"	"	"	"	"	"	"	"	"	"	"	"	"	3.2
ZC40	"	3.0	76.2	"	"	"	"	"	"	"	"	"	"	"	"	"	3.0
ZC40	"	3.5	88.9	"	"	"	"	"	"	"	"	"	"	"	"	"	2.8
ZC40	"	4.0	101.6	"	"	"	"	"	"	"	"	"	"	"	"	"	2.6
ZC40	"	5.0	127.0	"	"	"	"	"	"	"	"	"	"	"	"	"	2.4
ZC40	"	6.0	152.4	"	"	"	"	"	"	"	"	"	"	"	"	"	2.3
ZC60	12 000	3.0	76.2	19	47.5	60	3.5	23	19	13.2	40	5	4	45	23.5	60	7.0
ZC60	"	3.5	88.9	"	"	"	"	"	"	"	"	"	"	"	"	"	6.4
ZC60	"	4.0	101.6	"	"	"	"	"	"	"	"	"	"	"	"	"	6.0
ZC60	"	5.0	127.0	"	"	"	"	"	"	"	"	"	"	"	"	"	5.3
ZC60	"	6.0	152.4	"	"	"	"	"	"	"	"	"	"	"	"	"	4.9
ZC60	"	7.0	177.8	"	"	"	"	"	"	"	"	"	"	"	"	"	4.6
ZC60	"	8.0	203.2	"	"	"	"	"	"	"	"	"	"	"	"	"	4.4
ZC150	24 000	4.0	101.6	26	66.7	82	4	33	26.9	20.2	50	7	5	58	31.5	150	12.8
ZC150	"	5.0	127.0	"	"	"	"	"	"	"	"	"	"	"	"	"	11.3
ZC150	"	6.0	152.4	"	"	"	"	"	"	"	"	"	"	"	"	"	11.0
ZC150	"	7.0	177.8	"	"	"	"	"	"	"	"	"	"	"	"	"	9.5
ZC150	"	8.0	203.2	"	"	"	"	"	"	"	"	"	"	"	"	"	9.0
ZC150	"	9.0	228.6	"	"	"	"	"	"	"	"	"	"	"	"	"	8.6
ZC150	"	10.0	254.0	"	"	"	"	"	"	"	"	"	"	"	"	"	8.2
ZC300	36 000	6.0	152.4	38	88.9	114	8.5	38	32	22.5	60	10	8	83	43.5	300	22.3
ZC300	"	7.0	177.8	"	"	"	"	"	"	"	"	"	"	"	"	"	20.2
ZC300	"	8.0	203.2	"	"	"	"	"	"	"	"	"	"	"	"	"	18.8
ZC300	"	10.0	254.0	"	"	"	"	"	"	"	"	"	"	"	"	"	16.4
ZC300	"	12.0	304.8	"	"	"	"	"	"	"	"	"	"	"	"	"	15.2

Up-rated breaking load chain has heat treated side plates.

Conveyor Chain Attachments

Z/ZC Series Attachments

BS Conveyor Chain (BS 4116 Part 4)



Conveyor Attachments

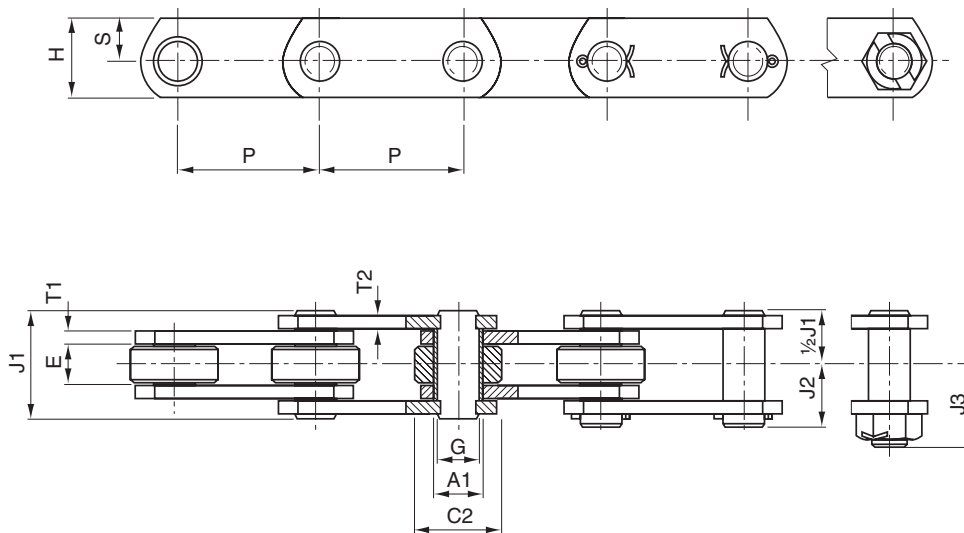
Chain Number	Minimum Breaking Load lbf	Pitch Inches	Pitch mm	Attachment Type	K	M	L	d	d1	O	Q	Average Mass (Each) kg
ZC40 / Z40	6 000 / 7 500	2.0	50.8	K1	19	76.2	45.0	10.7	/	129	/	0.10
ZC40 / Z40	"	2.5	63.5	K1, K2	"	"	43.0	"	9.3	112	22.2	0.10
ZC40 / Z40	"	3.0	76.2	K3	"	"	"	"	"	136	"	0.10
ZC40 / Z40	"	3.5	88.9	K1, K2, K3	"	"	50.0	"	"	112	31.8	0.10
ZC40 / Z40	"	4.0	101.6	K3	"	"	64.0	"	"	110	"	0.10
ZC40 / Z40	"	5.0	127.0	K3	"	"	85.0	"	"	112	57.2	0.20
ZC40 / Z40	"	6.0	152.4	K3	"	"	88.0	"	"	"	"	0.20
ZC100 / Z100	12 000 / 15 000	3.0	76.2	K1	32	89.0	30.0	14.0	/	130	/	0.12
ZC100 / Z100	"	3.5	88.9	K1	"	"	"	"	/	"	/	0.12
ZC100 / Z100	"	4.0	101.6	K3	"	"	64.0	"	10.5	"	31.8	0.10
ZC100 / Z100	"	5.0	127.0	K1, K2	"	"	84.0	"	"	"	57.2	0.30
ZC100 / Z100	"	6.0	152.4	K3	"	"	114.5	"	"	"	"	0.32
ZC100 / Z100	"	7.0	177.8	K1, K2	"	"	110.0	"	"	"	80.0	0.40
ZC100 / Z100	"	8.0	203.2	K1, K2	"	"	"	"	"	"	"	0.40
ZC160 / Z160	24 000 / 30 000	4.0	101.6	K1	38	108.0	35.0	15.5	/	154	/	0.19
ZC160 / Z160	"	5.0	127.0	K1, K2	"	"	56.0	"	12.3	"	31.7	0.30
ZC160 / Z160	"	6.0	152.4	K1, K2	"	"	84.0	"	"	"	57.2	0.38
ZC160 / Z160	"	7.0	177.8	K1, K2	"	"	"	"	"	"	"	0.38
ZC160 / Z160	"	8.0	203.2	K1, K2	"	"	130.0	"	"	"	100.0	0.60
ZC160 / Z160	"	9.0	228.6	K1, K2	"	"	150.0	"	"	"	"	0.69
ZC160 / Z160	"	10.0	254.0	K1, K2	"	"	170.0	"	"	"	135.0	0.75
ZC300 / Z300	36 000 / 45 000	6.0	152.4	K1	51	146.0	70.0	17.0	/	200	38.1	0.50
ZC300 / Z300	"	7.0	177.8	K1	"	"	"	"	/	"	"	0.50
ZC300 / Z300	"	8.0	203.2	K1, K2	"	"	100.0	"	14.0	"	76.2	0.70
ZC300 / Z300	"	10.0	254.0	K1, K2	"	"	152.4	"	"	"	90.0	0.90
ZC300 / Z300	"	12.0	304.8	K1, K2	"	"	225.0	"	"	"	190.0	1.60
Z300 / 60	60 000	6.0	152.4	K1	51	146.0	70.0	17.0	/	200	38.1	0.50
Z300 / 60	"	7.0	177.8	K1	"	"	"	"	/	"	"	0.50
Z300 / 60	"	8.0	203.2	K1, K2	"	"	100.0	"	14.0	"	76.2	0.70
Z300 / 60	"	10.0	254.0	K1, K2	"	"	152.4	"	"	"	90.0	0.90
Z300 / 60	"	12.0	304.8	K1, K2	"	"	225.0	"	"	"	190.0	1.60

Conveyor Chain

ZE Series

BS Conveyor Chain (BS 4116 Part 4)

Deep Link



Deep Link

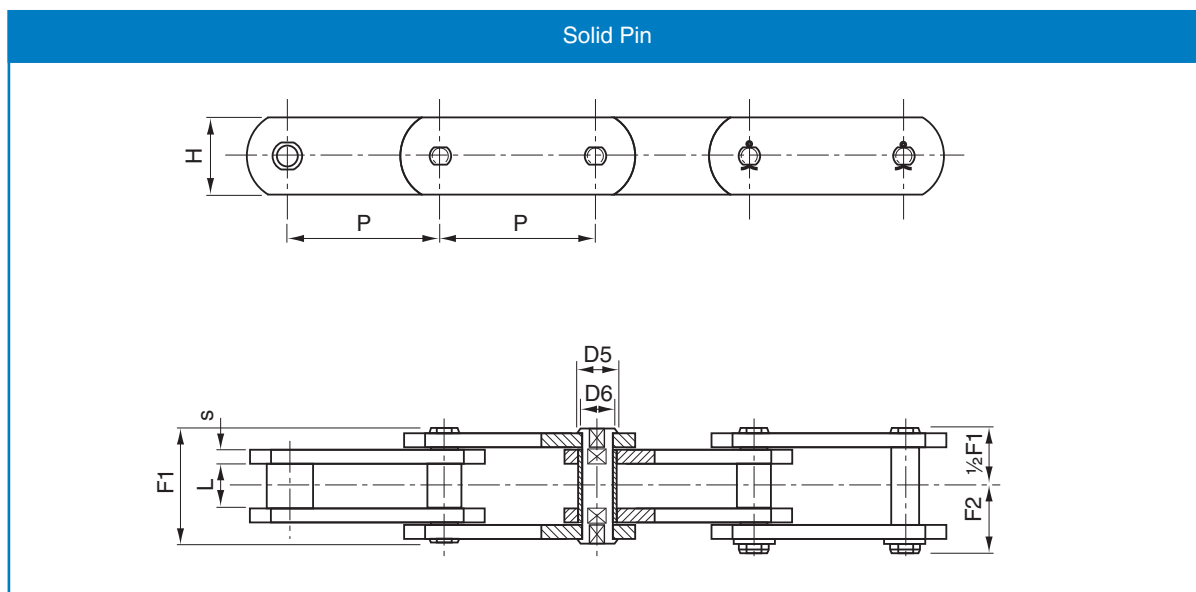
Chain Number	Minimum Breaking Load, lbf	Pitch Inches	Pitch mm	E	C2	A1	G	H	S	T1	T2	J1	J2	J3	Breaking load kN	Mass (Type C) kg/m
ZE40	7 500	2.0	50.8	15	31.75	17	14	40	27	4	4	37	22	28.5	40	5.0
ZE40	"	2.5	63.5	"	"	"	"	"	"	"	"	"	"	"	"	4.6
ZE40	"	3.0	76.2	"	"	"	"	"	"	"	"	"	"	"	"	4.2
ZE40	"	3.5	88.9	"	"	"	"	"	"	"	"	"	"	"	"	4.0
ZE40	"	4.0	101.6	"	"	"	"	"	"	"	"	"	"	"	"	3.8
ZE40	"	5.0	127.0	"	"	"	"	"	"	"	"	"	"	"	"	3.5
ZE40	"	6.0	152.4	"	"	"	"	"	"	"	"	"	"	"	"	3.3
ZE100	15 000	3.0	76.2	19	47.5	23	19	50	30	5	4	45	28	37	100	8.9
ZE100	"	3.5	88.9	"	"	"	"	"	"	"	"	"	"	"	"	8.4
ZE100	"	4.0	101.6	"	"	"	"	"	"	"	"	"	"	"	"	7.6
ZE100	"	5.0	127.0	"	"	"	"	"	"	"	"	"	"	"	"	6.8
ZE100	"	6.0	152.4	"	"	"	"	"	"	"	"	"	"	"	"	6.3
ZE100	"	7.0	177.8	"	"	"	"	"	"	"	"	"	"	"	"	5.9
ZE100	"	8.0	203.2	"	"	"	"	"	"	"	"	"	"	"	"	7.7
ZE160	30 000	4.0	101.6	26	66.7	33	26.9	70	45	7	5	58	34.5	51	160	17.5
ZE160	"	5.0	127.0	"	"	"	"	"	"	"	"	"	"	"	"	15.4
ZE160	"	6.0	152.4	"	"	"	"	"	"	"	"	"	"	"	"	13.8
ZE160	"	7.0	177.8	"	"	"	"	"	"	"	"	"	"	"	"	12.8
ZE160	"	8.0	203.2	"	"	"	"	"	"	"	"	"	"	"	"	12.0
ZE160	"	9.0	228.6	"	"	"	"	"	"	"	"	"	"	"	"	11.3
ZE160	"	10.0	254.0	"	"	"	"	"	"	"	"	"	"	"	"	10.5
ZE300	45 000	6.0	152.4	38	88.9	38	28	90	60	10	8	83	47	70	300	32.0
ZE300	"	7.0	177.8	"	"	"	"	"	"	"	"	"	"	"	"	29.5
ZE300	"	8.0	203.2	"	"	"	"	"	"	"	"	"	"	"	"	27.0
ZE300	"	10.0	254.0	"	"	"	"	"	"	"	"	"	"	"	"	24.5
ZE300	"	12.0	304.8	"	"	"	"	"	"	"	"	"	"	"	"	23.0
ZE300/60	60 000	6.0	152.4	38	88.9	38	32	90	60	10	8	84	52	71	300	32.0
ZE300/60	"	7.0	177.8	"	"	"	"	"	"	"	"	"	"	"	"	29.5
ZE300/60	"	8.0	203.2	"	"	"	"	"	"	"	"	"	"	"	"	27.0
ZE300/60	"	10.0	254.0	"	"	"	"	"	"	"	"	"	"	"	"	24.5
ZE300/60	"	12.0	304.8	"	"	"	"	"	"	"	"	"	"	"	"	23.0

Up-rated breaking load chain has heat treated side plates.

Conveyor Chain

M Series

Metric Conveyor Chain (DIN 8167)



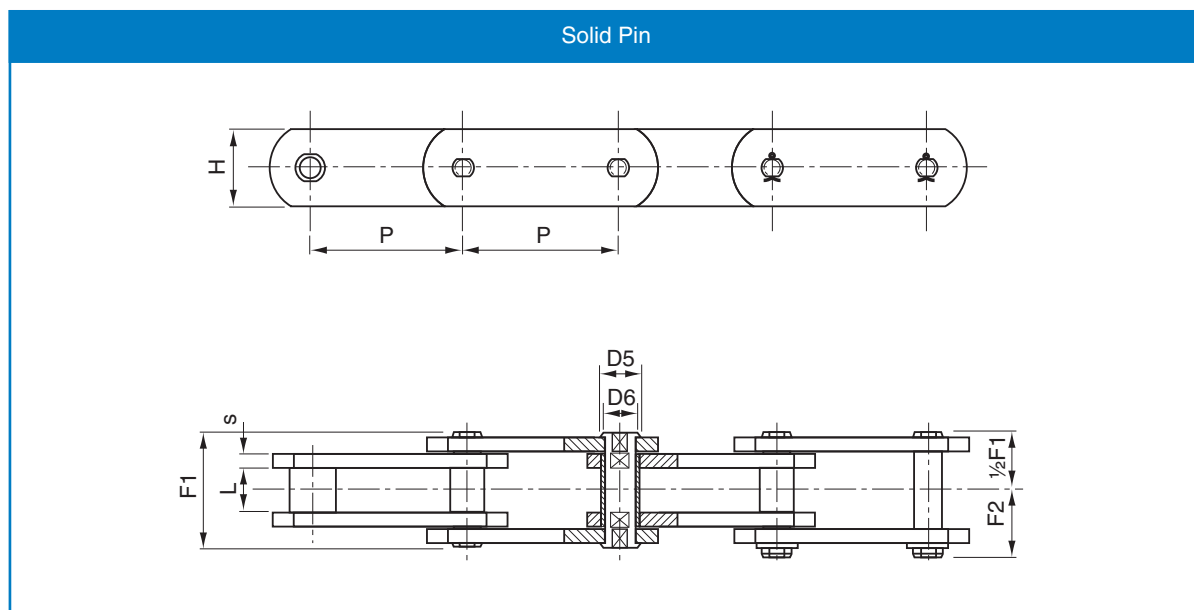
Solid Pin

Chain Number	P	L	D1	D2	D4	G	D5	D6	H	S	F1	F2	Breaking load kN
M 20	40	16	12.5	25	32	3.5	9	6	18	2.5	33.0	19.0	20
“	50	“	“	“	“	“	“	“	“	“	“	“	“
“	63	“	“	“	“	“	“	“	“	“	“	“	“
“	80	“	“	“	“	“	“	“	“	“	“	“	“
M28	50	18	15.0	30	36	4.0	10	7	20	3	36.0	20.5	28
“	63	“	“	“	“	“	“	“	“	“	“	“	“
“	80	“	“	“	“	“	“	“	“	“	“	“	“
“	100	“	“	“	“	“	“	“	“	“	“	“	“
M 40	63	20	18.0	36	45	4.5	11	8	25	4	40.5	24.0	40
“	80	“	“	“	“	“	“	“	“	“	“	“	“
“	100	“	“	“	“	“	“	“	“	“	“	“	“
“	125	“	“	“	“	“	“	“	“	“	“	“	“
M 56	63	24	21.0	42	50	7.0	15	10	30	4	45.0	26.0	56
“	80	“	“	“	“	“	“	“	“	“	“	“	“
“	100	“	“	“	“	“	“	“	“	“	“	“	“
“	125	“	“	“	“	“	“	“	“	“	“	“	“
“	160	“	“	“	“	“	“	“	“	“	“	“	“
M 80	80	28	25.0	50	60	7.0	18	12	35	5	54.5	30.5	80
“	100	“	“	“	“	“	“	“	“	“	“	“	“
“	125	“	“	“	“	“	“	“	“	“	“	“	“
“	160	“	“	“	“	“	“	“	“	“	“	“	“
“	200	“	“	“	“	“	“	“	“	“	“	“	“

Conveyor Chain

M Series

Metric Conveyor Chain (DIN 8167)



Solid Pin

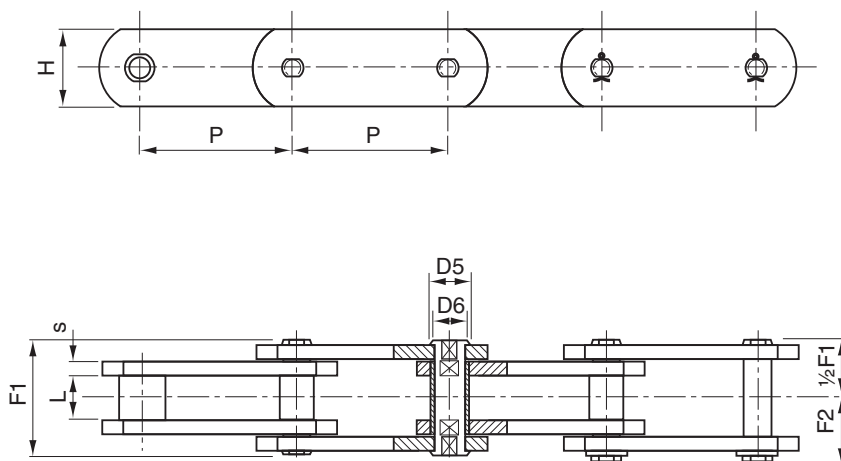
Chain Number	P	L	D1	D2	D4	G	D5	D6	H	S	F1	F2	Breaking load kN
M 112	80	32	30	60	75	7.5	21	15	40	6	63	36.0	112
"	100	"	"	"	"	"	"	"	"	"	"	"	"
"	125	"	"	"	"	"	"	"	"	"	"	"	"
"	160	"	"	"	"	"	"	"	"	"	"	"	"
"	200	"	"	"	"	"	"	"	"	"	"	"	"
M 160	100	37	36	70	90	8.5	25	18	50	7	72	41.5	160
"	125	"	"	"	"	"	"	"	"	"	"	"	"
"	160	"	"	"	"	"	"	"	"	"	"	"	"
"	200	"	"	"	"	"	"	"	"	"	"	"	"
"	250	"	"	"	"	"	"	"	"	"	"	"	"
M 224	125	43	42	85	105	10.0	30	21	60	8	84	47.0	224
"	160	"	"	"	"	"	"	"	"	"	"	"	"
"	200	"	"	"	"	"	"	"	"	"	"	"	"
"	250	"	"	"	"	"	"	"	"	"	"	"	"
"	315	"	"	"	"	"	"	"	"	"	"	"	"
M 315	160	48	50	100	124	10.5	36	25	70	10	97	55.0	315
"	200	"	"	"	"	"	"	"	"	"	"	"	"
"	250	"	"	"	"	"	"	"	"	"	"	"	"
"	315	"	"	"	"	"	"	"	"	"	"	"	"
"	400	"	"	"	"	"	"	"	"	"	"	"	"

Conveyor Chain

M Series

Metric Conveyor Chain (DIN 8167)

M Series Solid Pin



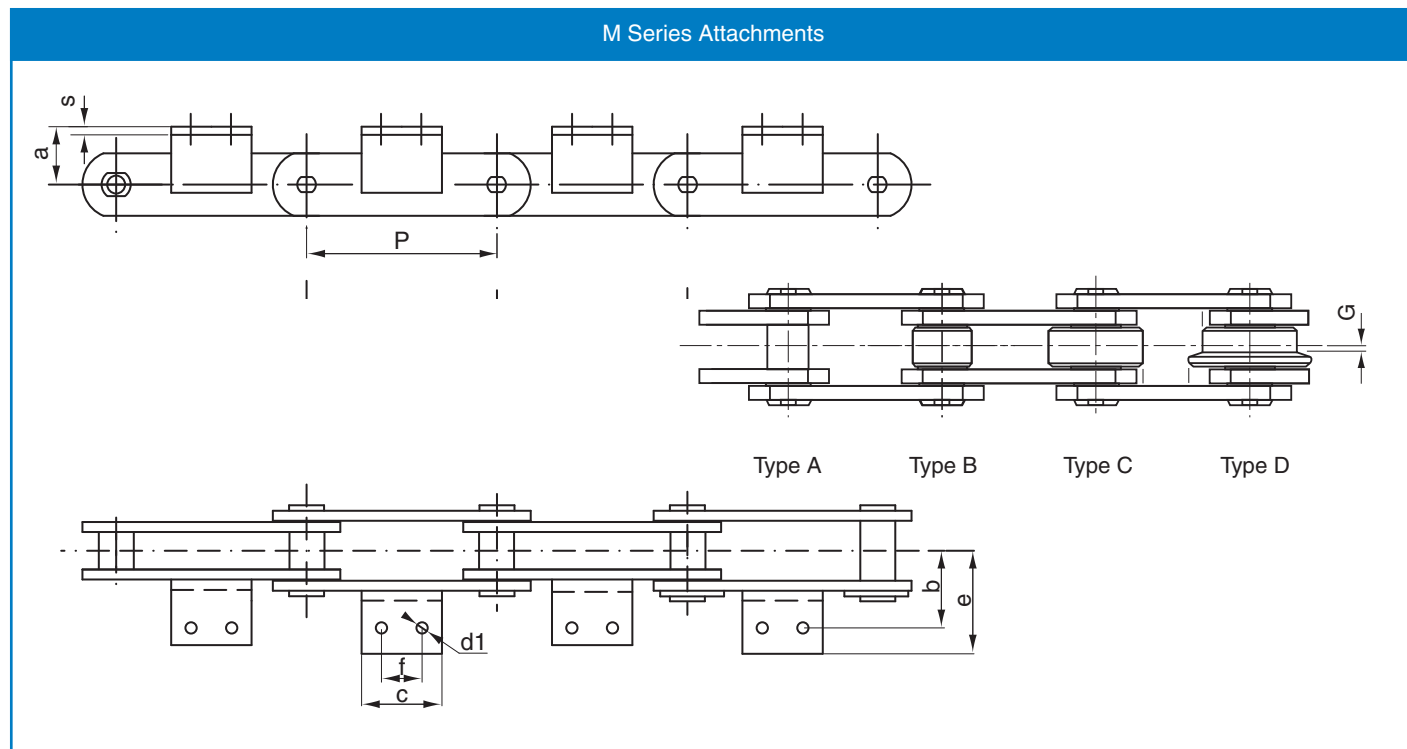
Solid Pin

Chain number	P	L	D1	D2	D4	G	D5	D6	H	S	F1	F2	Breaking load kN
M 450	200	56	60	120	149	11.5	42	30	80	12	114	67.0	450
"	250	"	"	"	"	"	"	"	"	"	"	"	"
"	315	"	"	"	"	"	"	"	"	"	"	"	"
"	400	"	"	"	"	"	"	"	"	"	"	"	"
M 630	250	67	70	140	170	15.0	50	36	100	14	137	87.5	630
"	315	"	"	"	"	"	"	"	"	"	"	"	"
"	400	"	"	"	"	"	"	"	"	"	"	"	"
"	500	"	"	"	"	"	"	"	"	"	"	"	"
M 900	250	78	85	170	210	17.0	60	44	120	16	153	95.0	900
"	315	"	"	"	"	"	"	"	"	"	"	"	"
"	400	"	"	"	"	"	"	"	"	"	"	"	"
"	500	"	"	"	"	"	"	"	"	"	"	"	"
"	600	"	"	"	"	"	"	"	"	"	"	"	"

Conveyor Chain Attachments

M Series Attachments

Metric Conveyor Chain (DIN 8167)



Chain Number	P	a	b	c	d1	e	f	Angle	Chain Mass kg/metre				Attachment mass kg
									Type A	B	C	D	
M 20	40	16	27	14	6.6	40	*	#	1.10	1.3	2.4	2.5	0.02
"	50	"	"	14	"	"	*	#	1.01	1.3	2.0	2.1	0.02
"	63	"	"	35	"	"	20	25x3	0.99	1.2	1.8	1.9	0.04
"	80	"	"	50	"	"	35	"	0.90	1.1	1.6	1.6	0.06
M28	50	20	32	20	9	47	*	20x3	1.60	1.9	3.3	3.4	0.02
"	63	"	"	20	"	"	*	30x3	1.50	1.7	2.8	2.9	0.02
"	80	"	"	45	"	"	25	"	1.40	1.6	2.5	2.6	0.05
"	100	"	"	60	"	"	40	"	1.30	1.5	2.1	2.2	0.08
M 40	63	25	35	31	9	50	*	# 30x4	2.25	2.6	4.4	4.6	0.04
"	80	"	"	45	"	"	20	# "	2.00	2.3	3.7	3.9	0.07
"	100	"	"	60	"	"	40	# "	1.90	2.1	3.2	3.4	0.10
"	125	"	"	85	"	"	65	"	1.80	2.0	2.9	3.0	0.15
M 56	63	30	44	22	11	61	*	40x4	3.40	3.9	6.8	7.2	0.05
"	80	"	"	30	"	"	*	"	3.00	3.4	5.7	6.0	0.07
"	100	"	"	50	"	"	25	"	2.80	3.1	5.0	5.2	0.12
"	125	"	"	75	"	"	50	"	2.60	2.9	4.4	4.5	0.18
"	160	"	"	110	"	"	85	"	2.54	2.7	3.9	4.1	0.27
M 80	80	35	48	30	11	65	*	# 40x4	4.70	5.4	9.2	9.4	0.07
"	100	"	"	50	"	"	25	# "	4.30	4.8	7.9	8.0	0.12
"	125	"	"	75	"	"	50	# "	4.00	4.4	6.9	7.0	0.18
"	160	"	"	110	"	"	85	# "	3.70	4.0	6.0	6.1	0.27
"	200	"	"	150	"	"	125	# "	3.50	3.8	5.3	5.4	0.36

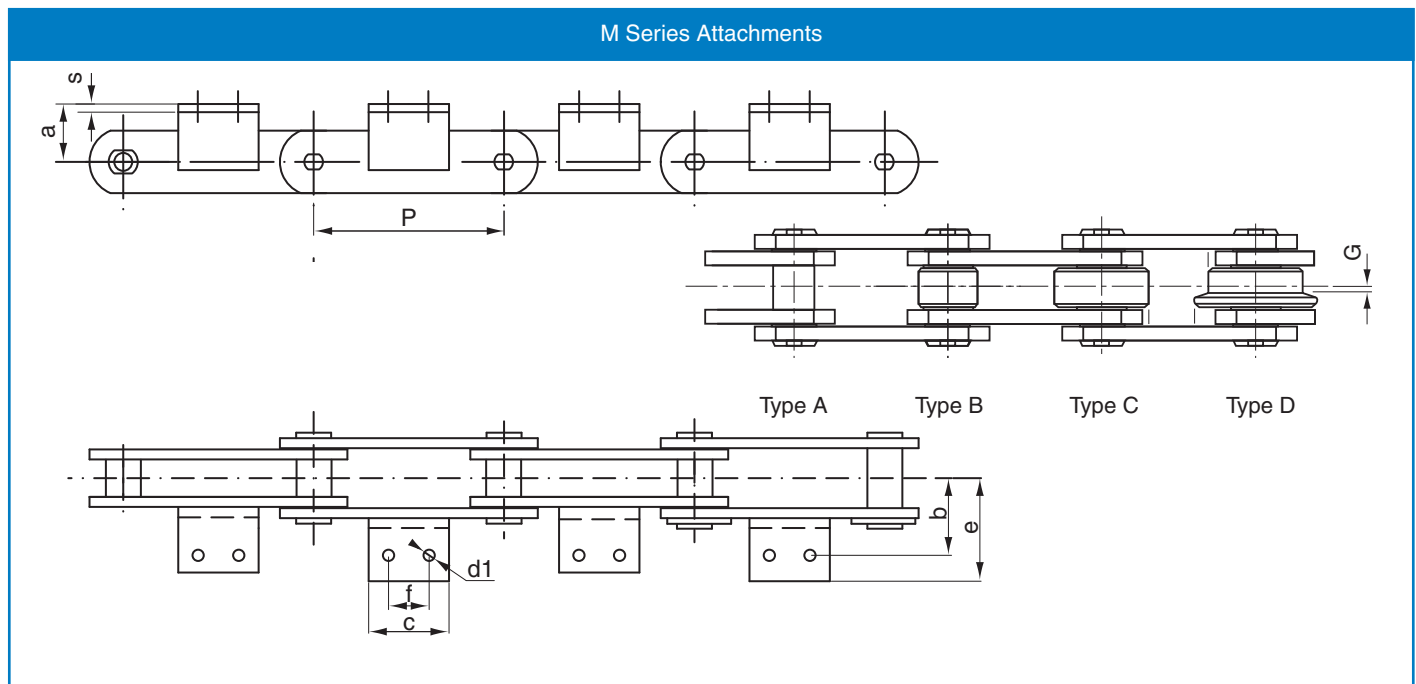
* Attachment With One Hole

Integral Attachment

Conveyor Chain Attachments

M Series Attachments

Metric Conveyor Chain (DIN 8167)



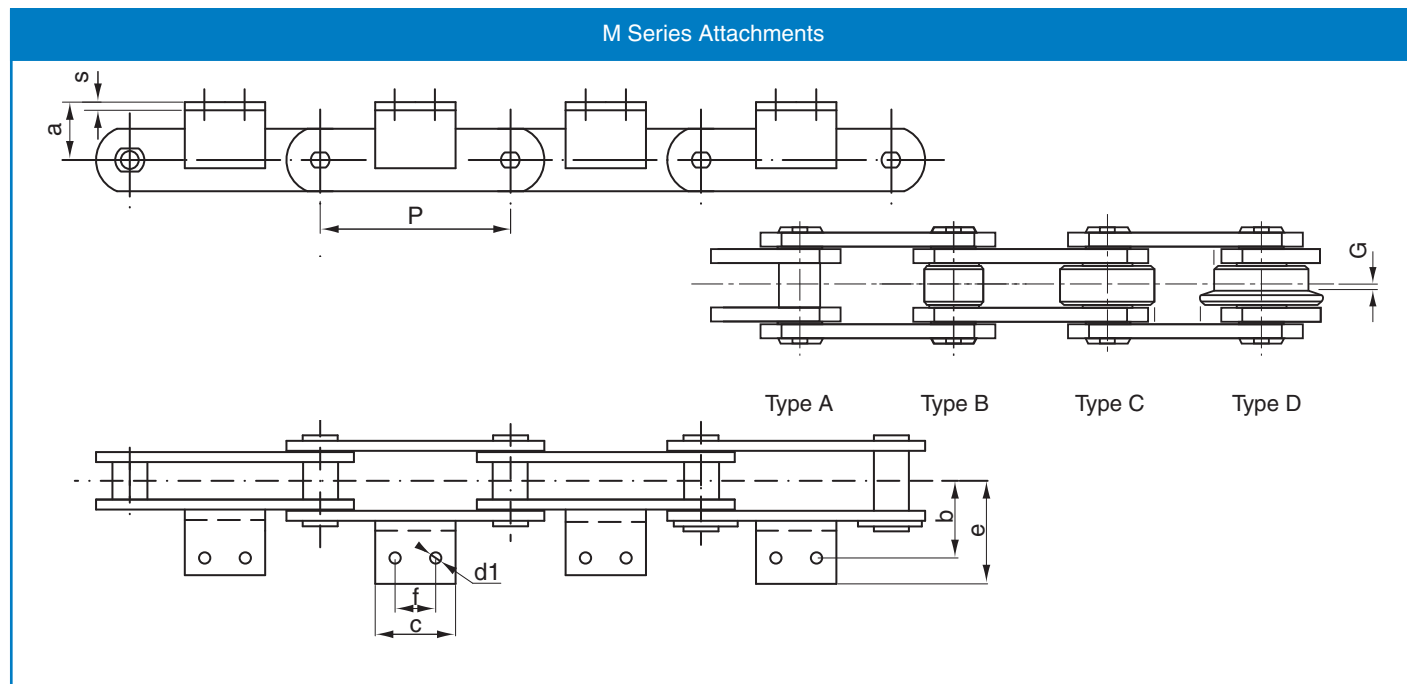
Chain Number	P	a	b	c	d1	e	f	Angle	Chain mass kg/metre				Attachment mass kg
									Type A	B	C	D	
M 112	80	40	55	28	14	80	*	50x6	6.8	8.0	14.0	14.7	0.13
"	100	"	"	40	"	"	*	"	6.2	7.2	12.0	12.5	0.18
"	125	"	"	65	"	"	35	"	5.7	6.5	10.4	10.8	0.30
"	160	"	"	95	"	"	65	"	5.3	5.9	9.0	9.3	0.44
"	200	"	"	130	"	"	100	"	5.0	5.5	7.9	8.2	0.59
M 160	100	45	62	30	14	85	*	50x6	9.7	11.2	18.9	20.2	0.13
"	125	"	"	50	"	"	25	"	8.9	10.0	16.3	18.1	0.23
"	160	"	"	80	"	"	50	"	8.2	9.1	14.0	15.4	0.37
"	200	"	"	115	"	"	85	"	7.6	8.4	12.2	13.4	0.53
"	250	"	"	175	"	"	145	"	7.3	7.9	11.0	12.0	0.80
M 224	125	55	70	35	18	100	*	60x8	13.0	14.8	25.8	26.6	0.30
"	160	"	"	60	"	"	*	"	12.0	13.4	22.0	22.7	0.43
"	200	"	"	100	"	"	65	"	11.0	12.1	19.0	19.5	0.71
"	250	"	"	160	"	"	125	"	10.3	11.2	16.7	17.1	1.13
"	315	"	"	230	"	"	190	"	9.8	10.5	14.9	15.2	1.60
M 315	160	65	80	35	18	115	*	70x9	18.3	20.4	33.3	34.6	0.32
"	200	"	"	85	"	"	50	"	16.7	18.4	28.7	29.7	0.66
"	250	"	"	140	"	"	100	"	15.6	17.0	25.2	26.0	1.10
"	315	"	"	190	"	"	155	"	14.6	15.7	22.3	22.9	1.46
"	400	"	"	205	"	"	155	"	13.9	14.8	20.0	20.5	1.46

* Attachment With One Hole

Conveyor Chain Attachments

M Series Attachments

Metric Conveyor Chain (DIN 8167)



Chain number	P	a	b	c	d1	e	f	Angle	Mass kg/m				Attachment mass kg/m
									Type A	B	C	D	
M 450	200	75	90	50	18	125	*	70x9	24.0	27.0	40.5	47.0	0.33
"	250	"	"	125	"	"	85	"	22.0	24.9	39.5	41.0	1.00
"	315	"	"	195	"	"	155	"	21.0	23.0	34.5	36.0	1.60
"	400	"	"	280	"	"	240	"	19.6	21.2	30.5	31.4	2.30
M 630	250	90	115	50	24	165	*	100x12	36.0	40.8	64.0	66.9	0.90
"	315	"	"	150	"	"	100	"	33.4	36.6	55.5	57.7	2.70
"	400	"	"	240	"	"	190	"	31.5	33.9	49.0	50.7	4.30
"	500	"	"	350	"	"	300	"	29.6	31.6	43.6	45.0	6.20
M 900	250	110	140	60	30	195	*	120x15	49.7	56.5	98.3	104.5	1.60
"	315	"	"	125	"	"	65	"	45.5	51.8	84.2	89.7	3.30
"	400	"	"	215	"	"	155	"	42.0	46.2	72.5	76.9	5.70
"	500	"	"	300	"	"	240	"	39.3	42.7	63.8	67.6	8.00
"	600	"	"	350	"	"	300	"	37.3	39.9	56.6	58.9	8.00

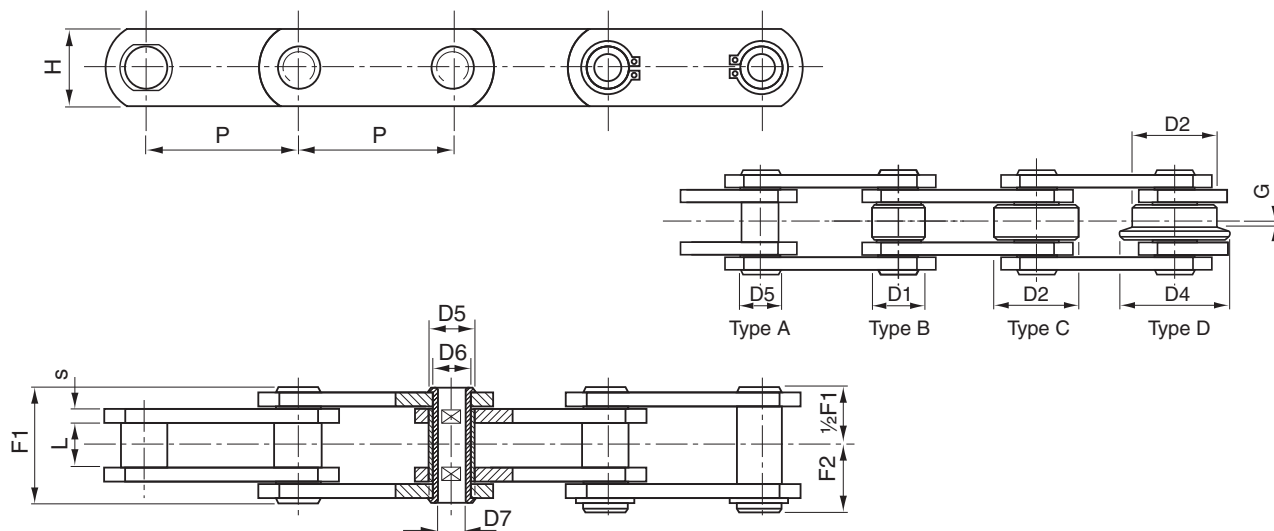
* Attachment With One Hole

Conveyor Chain

MC Series Hollow pin

Metric Conveyor Chain (DIN 8167)

MC Series Hollow Pin



Hollow Pin

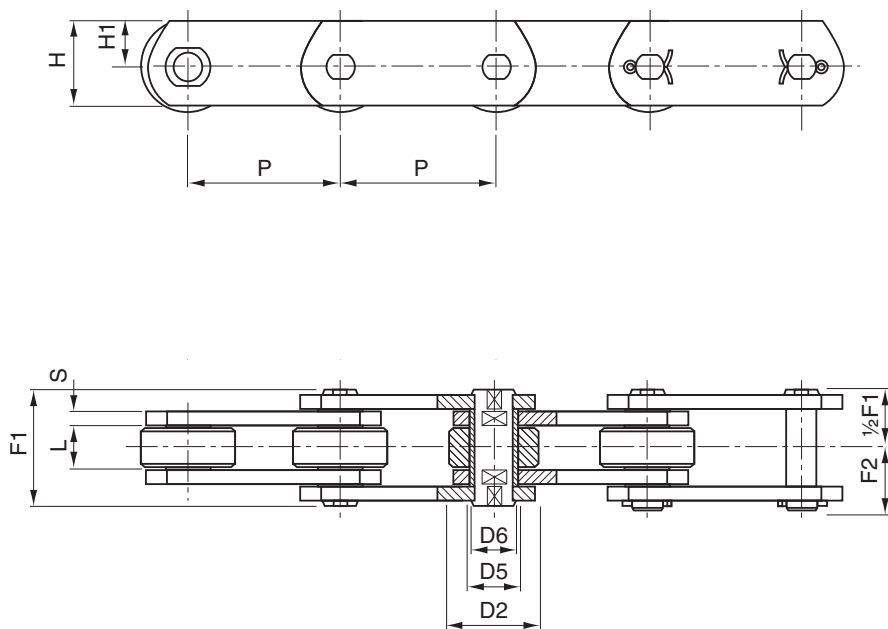
Chain number	P	L	D1	D2	D4	G	D5	D6	D7	H	S	F1	F2	Breaking load	Mass (Type C)
														kN	kg/m
MC 28	50	20	25	36	45	4.5	17	13.0	8.2	25	3	36.0	20.5	28	4.3
"	63	"	"	"	"	"	"	"	"	"	"	"	"	"	3.8
"	80	"	"	"	"	"	"	"	"	"	"	"	"	"	3.2
"	100	"	"	"	"	"	"	"	"	"	"	"	"	"	2.8
"	125	"	"	"	"	"	"	"	"	"	"	"	"	"	2.5
MC 56	63	24	30	50	60	7.0	21	15.5	10.2	35	4	45.0	25.0	56	8.5
"	80	"	"	"	"	"	"	"	"	"	"	"	"	"	7.2
"	100	"	"	"	"	"	"	"	"	"	"	"	"	"	6.2
"	125	"	"	"	"	"	"	"	"	"	"	"	"	"	5.4
"	160	"	"	"	"	"	"	"	"	"	"	"	"	"	4.7
MC 112	80	32	42	70	85	8.5	29	22.0	14.3	50	6	62.5	33.0	112	16.6
"	100	"	"	"	"	"	"	"	"	"	"	"	"	"	14.0
"	125	"	"	"	"	"	"	"	"	"	"	"	"	"	11.2
"	160	"	"	"	"	"	"	"	"	"	"	"	"	"	10.2
"	200	"	"	"	"	"	"	"	"	"	"	"	"	"	8.9
"	250	"	"	"	"	"	"	"	"	"	"	"	"	"	7.9
MC 224	125	43	60	100	120	10.5	42	30.0	20.3	70	8	83.0	44.0	224	32.3
"	160	"	"	"	"	"	"	"	"	"	"	"	"	"	27.1
"	200	"	"	"	"	"	"	"	"	"	"	"	"	"	23.5
"	250	"	"	"	"	"	"	"	"	"	"	"	"	"	20.6
"	315	"	"	"	"	"	"	"	"	"	"	"	"	"	17.2

Conveyor Chain

MT/ME Series Deep Link

Metric Conveyor Chain (DIN 8167)

MT/ME Series Deep Link



Deep Link

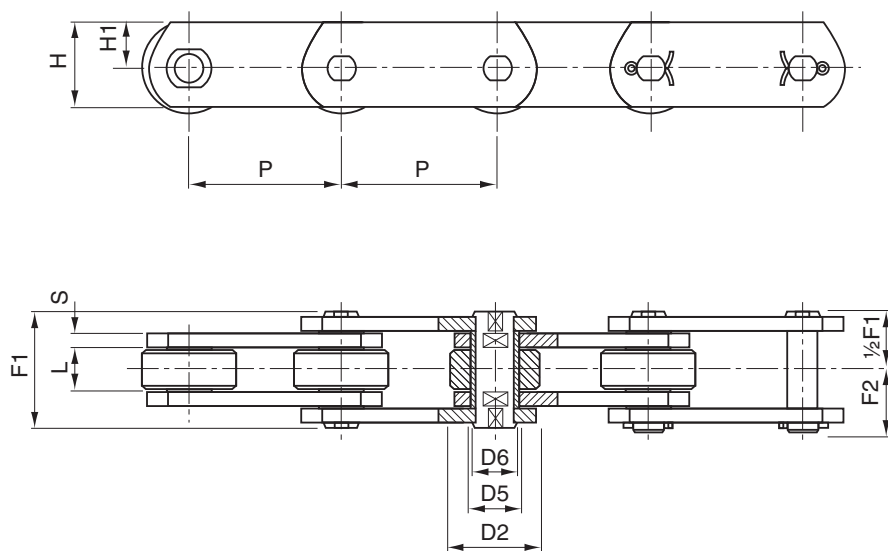
Chain number	P	L	D2	D5	D6	H	H1	S	F1	F2	Breaking load	Mass (Type C)
											kN	kg/m
ME 20	40	16	25	9	6	25	16.0	2.5	33.0	19.0	20	3.0
"	50	"	"	"	"	"	"	"	"	"	"	2.6
"	63	"	"	"	"	"	"	"	"	"	"	2.3
"	80	"	"	"	"	"	"	"	"	"	"	2.0
ME 28	50	18	30	10	7	30	20.0	3.0	36.0	20.5	28	4.1
"	63	"	"	"	"	"	"	"	"	"	"	3.5
"	80	"	"	"	"	"	"	"	"	"	"	3.1
"	100	"	"	"	"	"	"	"	"	"	"	2.8
ME 40	63	20	36	11	8	35	22.5	4.0	40.5	24.0	40	5.5
"	80	"	"	"	"	"	"	"	"	"	"	4.8
"	100	"	"	"	"	"	"	"	"	"	"	4.2
"	125	"	"	"	"	"	"	"	"	"	"	3.7
ME 56	63	24	42	15	10	45	30.0	4.0	45.0	26.0	56	8.3
"	80	"	"	"	"	"	"	"	"	"	"	7.0
"	100	"	"	"	"	"	"	"	"	"	"	6.1
"	125	"	"	"	"	"	"	"	"	"	"	5.4
ME 80	80	28	50	18	12	50	32.5	5.0	54.5	30.5	80	11.0
"	100	"	"	"	"	"	"	"	"	"	"	9.5
"	125	"	"	"	"	"	"	"	"	"	"	8.5
"	160	"	"	"	"	"	"	"	"	"	"	7.2
"	200	"	"	"	"	"	"	"	"	"	"	6.0

Conveyor Chain

MT/ME Series

Metric Conveyor Chain (DIN 8167)

MT/ME Series



Deep Link

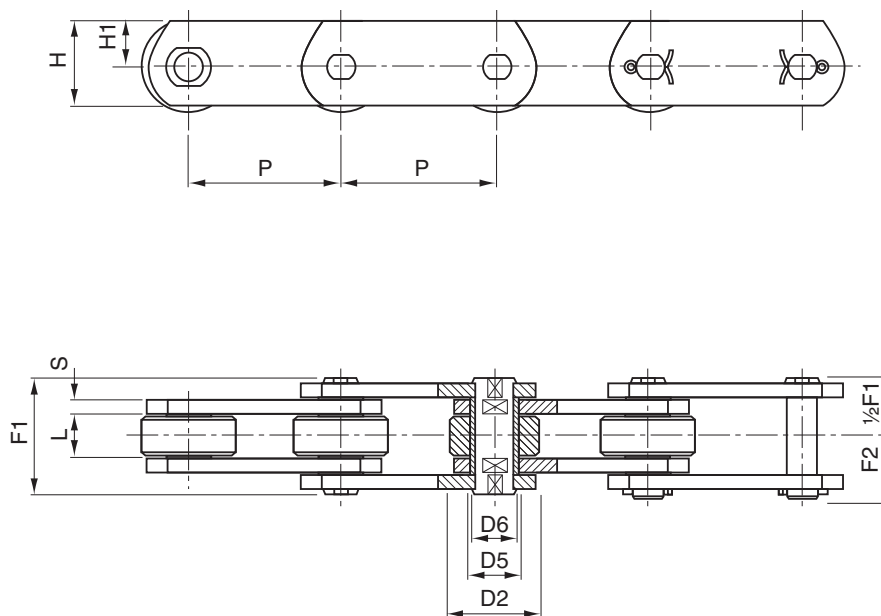
Chain number	P	L	D ₂	D ₅	D ₆	H	H ₁	S	F ₁	F ₂	Breaking load	Mass (Type C)
											kN	kg/m
ME 112	80	32	60	21	15	60	40	6	63	36.0	112	17.0
"	100	"	"	"	"	"	"	"	"	"	"	14.5
"	125	"	"	"	"	"	"	"	"	"	"	13.0
"	160	"	"	"	"	"	"	"	"	"	"	11.0
"	200	"	"	"	"	"	"	"	"	"	"	10.0
ME 160	100	37	70	25	18	70	45	7	72	41.5	160	21.5
"	125	"	"	"	"	"	"	"	"	"	"	19.0
"	160	"	"	"	"	"	"	"	"	"	"	17.0
"	200	"	"	"	"	"	"	"	"	"	"	15.0
"	250	"	"	"	"	"	"	"	"	"	"	13.5
ME 224	125	43	85	30	21	90	60	8	84	47.0	224	32.5
"	160	"	"	"	"	"	"	"	"	"	"	27.5
"	200	"	"	"	"	"	"	"	"	"	"	23.0
"	250	"	"	"	"	"	"	"	"	"	"	21.0
"	315	"	"	"	"	"	"	"	"	"	"	19.0
ME 315	160	48	100	36	25	100	65	10	97	55.0	315	43.0
"	200	"	"	"	"	"	"	"	"	"	"	37.0
"	250	"	"	"	"	"	"	"	"	"	"	32.0
"	315	"	"	"	"	"	"	"	"	"	"	28.6
"	400	"	"	"	"	"	"	"	"	"	"	25.5

Conveyor Chain

MT/ME Series

Metric Conveyor Chain (DIN 8167)

MT/ME series



Deep Link

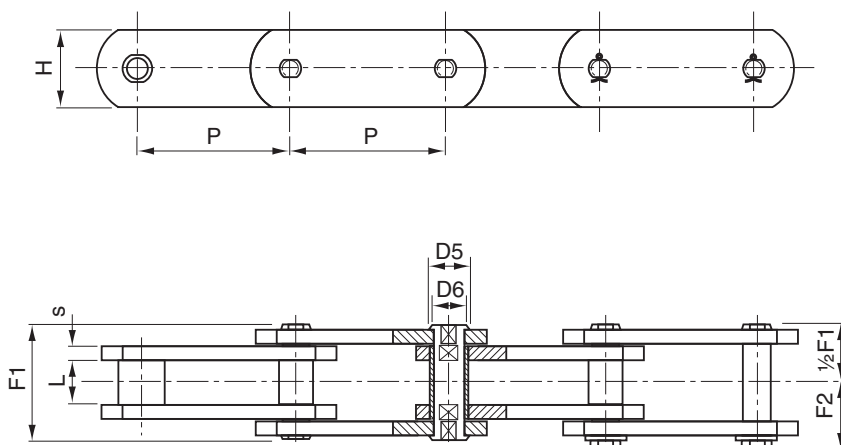
Chain number	P	L	D2	D5	D6	H	H1	S	F1	F2	Breaking load	Mass (Type C)
											kN	kg/m
ME 450	200	56	120	42	30	120	80	12	114	67.0	450	700
"	250	"	"	"	"	"	"	"	"	"	"	"
"	315	"	"	"	"	"	"	"	"	"	"	"
"	400	"	"	"	"	"	"	"	"	"	"	"
ME 630	250	66	140	50	36	140	90	14	137	87.5	630	900
"	315	"	"	"	"	"	"	"	"	"	"	"
"	400	"	"	"	"	"	"	"	"	"	"	"
"	500	"	"	"	"	"	"	"	"	"	"	"
"	600	"	"	"	"	"	"	"	"	"	"	"
ME 900	250	78	170	60	44	180	120	16	153	95.0	900	1,250
"	315	"	"	"	"	"	"	"	"	"	"	"
"	400	"	"	"	"	"	"	"	"	"	"	"
"	500	"	"	"	"	"	"	"	"	"	"	"
"	600	"	"	"	"	"	"	"	"	"	"	"

Conveyor Chain

FV/C Series

Metric Conveyor Chain (DIN 8165)

FV/C Series Solid Pin



Solid Pin

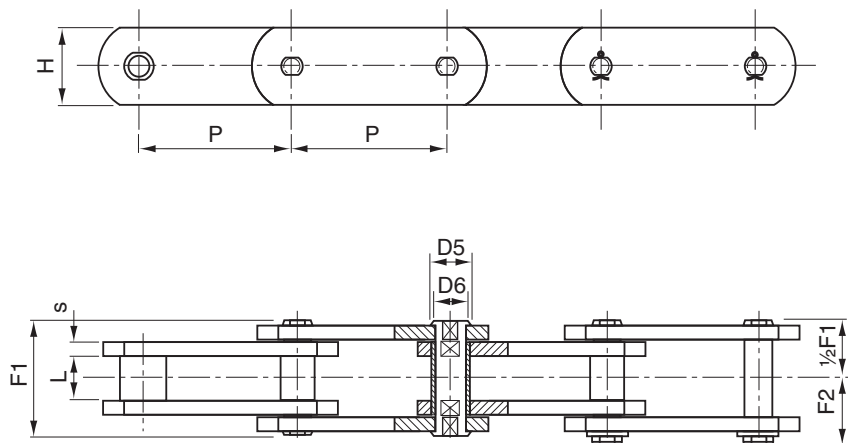
DIN number	Chain number	P	L	D1	D2	D3	D4	G	D5	D6	H	S	F1	F2	Breaking load kN
FV40	C40	50	18	20	32	40	50	4	15	10	25	3	36	21	42
"	"	63	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	80	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	100	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	125	"	"	"	"	"	"	"	"	"	"	"	"	"
FV63	C63	63	22	26	40	50	63	5	18	12	30	4	45	26	64
"	"	80	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	100	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	125	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	160	"	"	"	"	"	"	"	"	"	"	"	"	"
FV90	C90	63	25	30	48	63	78	6.5	20	14	35	5	53	30	100
"	"	80	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	100	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	125	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	160	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	200	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	250	"	"	"	"	"	"	"	"	"	"	"	"	"
FV112	C112	100	30	32	55	72	90	7.5	22	16	40	6	62	35	120
"	"	125	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	160	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	200	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	250	"	"	"	"	"	"	"	"	"	"	"	"	"

Conveyor Chain

FV/C Series

Metric Conveyor Chain (DIN 8165)

FV/C Series Solid Pin



Solid Pin

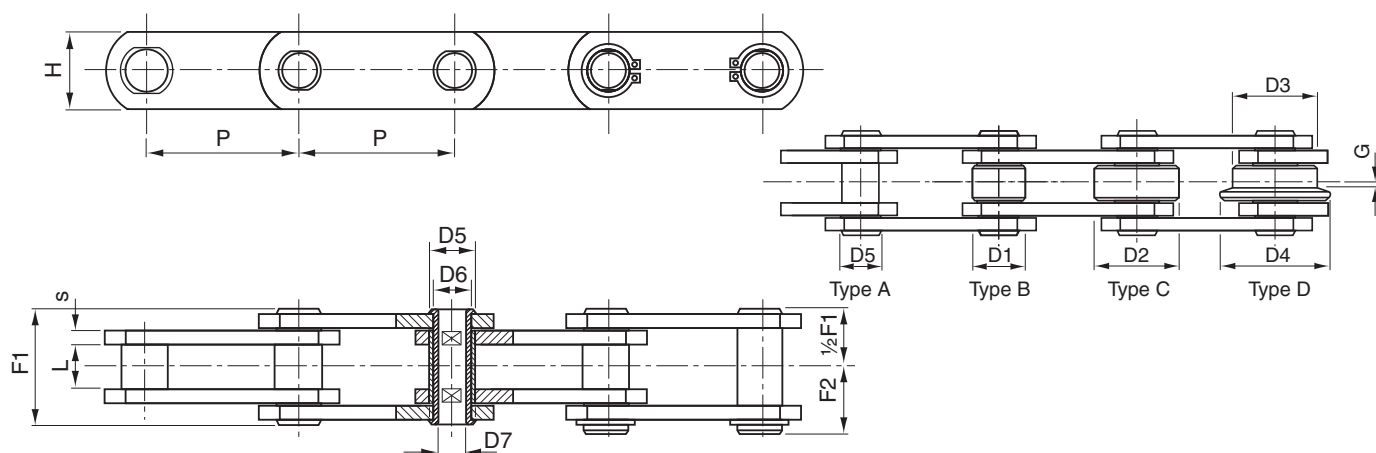
DIN number	Chain number	P	L	D1	D2	D3	D4	G	D5	D6	H	S	F1	F2	Breaking load kN
FV140	C140	100	35	36	60	80	100	9	26	18	45	6	67	38	145
"	"	125	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	160	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	200	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	250	"	"	"	"	"	"	"	"	"	"	"	"	"
FV180	C180	125	45	42	70	100	125	13	30	20	50	8	86	49	190
"	"	160	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	200	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	250	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	315	"	"	"	"	"	"	"	"	"	"	"	"	"
FV250	C250	160	55	50	80	125	155	15	36	26	60	8	97	55	275
"	"	200	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	250	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	315	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	400	"	"	"	"	"	"	"	"	"	"	"	"	"
FV315	C315	160	65	60	90	140	175	18	42	30	70	10	113	70	370
"	"	200	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	250	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	315	"	"	"	"	"	"	"	"	"	"	"	"	"
"	"	400	"	"	"	"	"	"	"	"	"	"	"	"	"

Conveyor Chain

FV/C Series

Metric Conveyor Chain (DIN 8165)

FV/C Series Hollow Pin



Hollow Pin

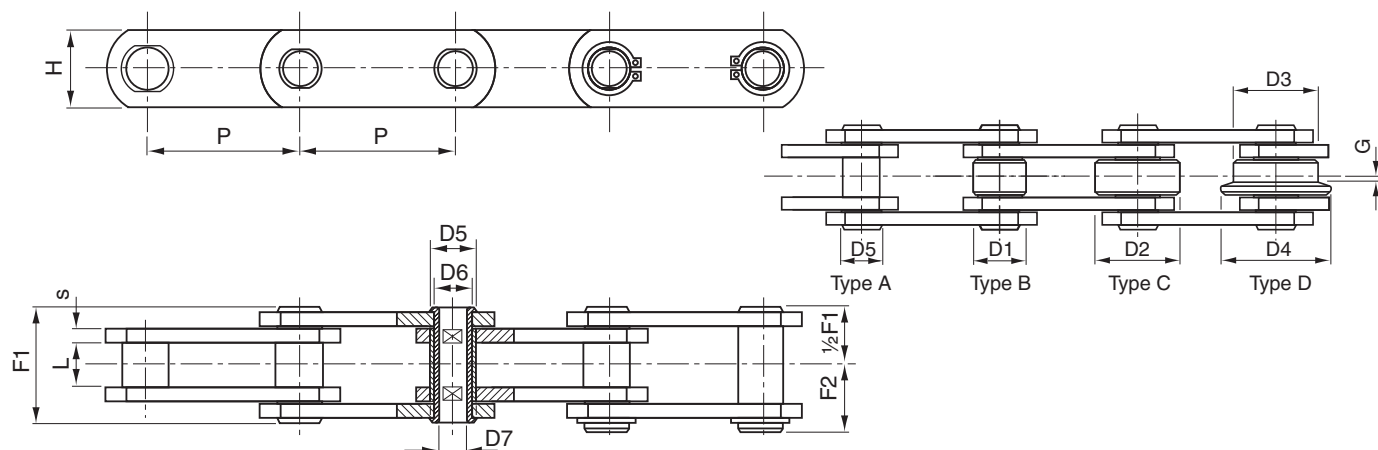
DIN number	Chain number	P	L	D1	D2	D3	D4	G	D5	D6	H	S	F1	F2	Breaking load	Mass (Type C)	
															kN	kg/m	
FV63	CC63	63	22	26	40	50	63	5	18	12	8	30	4	45	28	46	5.7
“	“	80	“	“	“	“	“	“	“	“	“	“	“	“	“	“	4.9
“	“	100	“	“	“	“	“	“	“	“	“	“	“	“	“	“	4.3
“	“	125	“	“	“	“	“	“	“	“	“	“	“	“	“	“	3.8
“	“	160	“	“	“	“	“	“	“	“	“	“	“	“	“	“	3.4
FV90	CC90	63	25	30	48	63	78	6.5	20	14	10	35	5	53	30	73	9.1
“	“	80	“	“	“	“	“	“	“	“	“	“	“	“	“	“	7.8
“	“	100	“	“	“	“	“	“	“	“	“	“	“	“	“	“	6.8
“	“	125	“	“	“	“	“	“	“	“	“	“	“	“	“	“	5.6
“	“	160	“	“	“	“	“	“	“	“	“	“	“	“	“	“	5.3
“	“	200	“	“	“	“	“	“	“	“	“	“	“	“	“	“	4.7
“	“	250	“	“	“	“	“	“	“	“	“	“	“	“	“	“	4.3
FV112	CC112	100	30	32	55	72	90	7.5	22	16	11	40	6	62	32	90	10.2
“	“	125	“	“	“	“	“	“	“	“	“	“	“	“	“	“	8.9
“	“	160	“	“	“	“	“	“	“	“	“	“	“	“	“	“	7.8
“	“	200	“	“	“	“	“	“	“	“	“	“	“	“	“	“	7.0
“	“	250	“	“	“	“	“	“	“	“	“	“	“	“	“	“	6.3
FV140	CC140	100	35	36	60	80	100	9	26	18	12	45	6	67	35	110	12.9
“	“	125	“	“	“	“	“	“	“	“	“	“	“	“	“	“	11.2
“	“	160	“	“	“	“	“	“	“	“	“	“	“	“	“	“	9.7
“	“	200	“	“	“	“	“	“	“	“	“	“	“	“	“	“	8.6
“	“	250	“	“	“	“	“	“	“	“	“	“	“	“	“	“	7.7

Conveyor Chain

FV/C Series

Metric Conveyor Chain (DIN 8165)

FV/C Series Hollow Pin



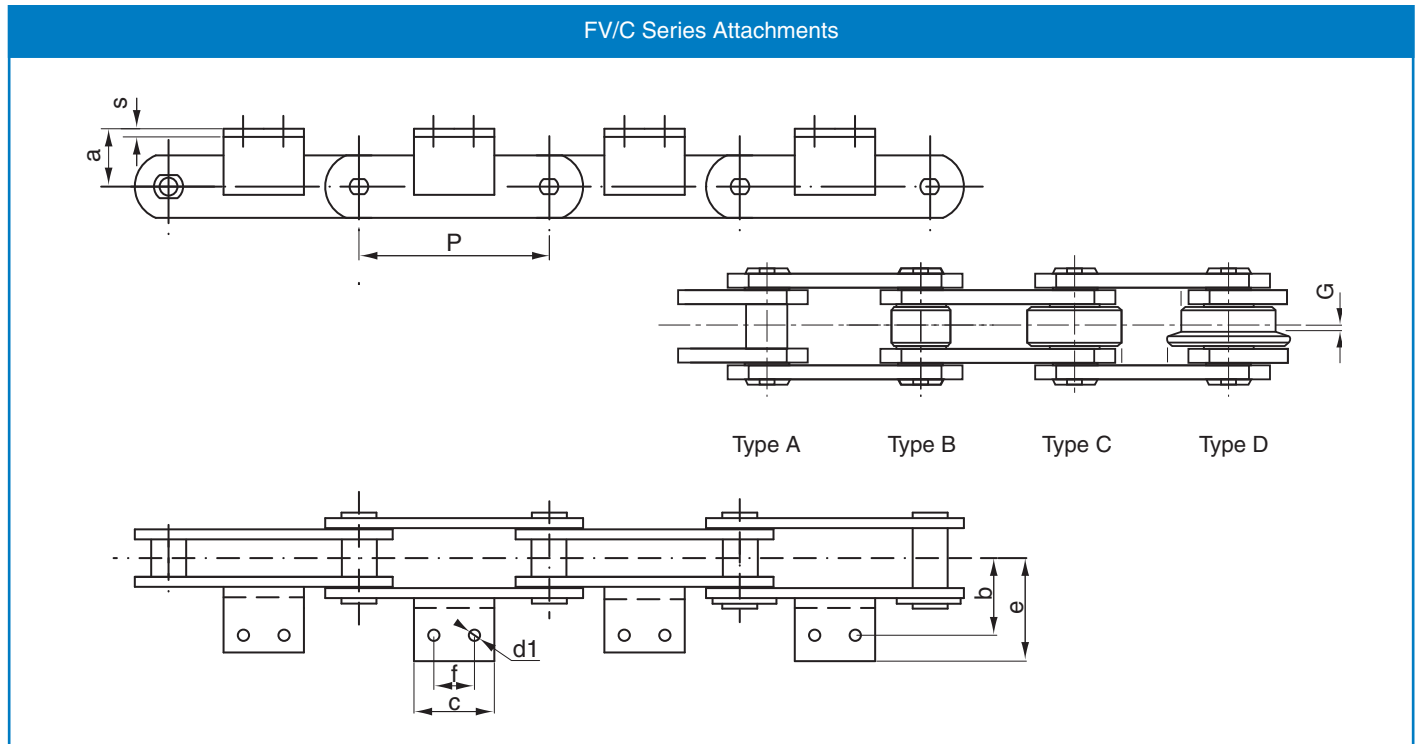
Hollow Pin

DIN number	Chain number	P	L	D1	D2	D3	D4	G	D5	D6	H	S	F1	F2	Breaking load kN	Mass (Type C) kg/m
FV180	CC180	125	45	42	70	100	125	13	30	20	14	50	8	86	45	18.2
"	"	160	"	"	"	"	"	"	"	"	"	"	"	"	"	15.6
"	"	200	"	"	"	"	"	"	"	"	"	"	"	"	"	13.8
"	"	250	"	"	"	"	"	"	"	"	"	"	"	"	"	12.3
"	"	315	"	"	"	"	"	"	"	"	"	"	"	"	"	11.0
FV250	CC250	160	55	50	80	125	155	15	36	26	18	60	8	97	55	20.5
"	"	200	"	"	"	"	"	"	"	"	"	"	"	"	"	18.0
"	"	250	"	"	"	"	"	"	"	"	"	"	"	"	"	15.9
"	"	315	"	"	"	"	"	"	"	"	"	"	"	"	"	14.2
FV315	CC315	160	65	60	90	140	175	18	42	30	20	70	10	117	63	34.1
"	"	200	"	"	"	"	"	"	"	"	"	"	"	"	"	29.5
"	"	250	"	"	"	"	"	"	"	"	"	"	"	"	"	25.8
"	"	315	"	"	"	"	"	"	"	"	"	"	"	"	"	22.8
"	"	400	"	"	"	"	"	"	"	"	"	"	"	"	"	20.2

Conveyor Chain Attachments

FV/C Series Attachments

Metric Conveyor Chain (DIN 8165)



DIN number	Chain number	P	a	b	c	d1	e	f	§	Chain Mass kg/m				Attachment Mass kg
										Type A	B	C	D	
FV40	C40	50	20	25	45	6.5	64.0	*	#	2.4	2.9	4.0	5.6	0.050
"	"	63	"	"	31	"	40.5	*	#	2.0	2.4	3.3	4.5	0.036
"	"	80	"	"	45	"	"	25	# 25x3	1.9	2.2	3.0	3.9	0.050
"	"	100	"	"	50	"	"	30	# "	1.7	2.0	2.6	3.3	0.056
"	"	125	"	"	60	"	"	30	# "	1.6	1.9	2.3	3.0	0.067
FV63	C63	63	30	34	40	8.4	50.0	*	30x4	3.8	4.5	6.4	8.9	0.063
"	"	80	"	"	45	"	"	25	# "	3.2	3.8	5.3	7.2	0.095
"	"	100	"	"	50	"	"	30	"	3.0	3.5	4.7	6.2	0.110
"	"	125	"	"	60	"	"	40	"	2.7	3.0	4.0	5.3	0.140
"	"	160	"	"	70	"	"	50	"	2.4	2.7	3.5	4.4	0.170
FV90	C90	63	35	40	30	8.4	64.0	*	# 40x4	5.6	6.8	10.0	14.7	0.072
"	"	80	"	"	45	"	"	25	# "	5.1	6.0	8.6	12.3	0.110
"	"	100	"	"	50	"	"	30	# "	4.5	5.3	7.3	10.3	0.130
"	"	125	"	"	60	"	"	40	# "	4.2	4.8	6.5	8.8	0.160
"	"	160	"	"	70	"	"	50	# "	4.0	4.5	5.8	7.6	0.200
"	"	200	"	"	80	"	"	60	# "	3.5	3.8	4.8	5.8	0.240
"	"	250	"	"	85	"	"	65	# "	3.4	3.7	4.6	5.4	0.210
FV112	C112	100	40	50	50	11.0	70.0	30	40x6	6.7	7.7	11.2	18.8	0.200
"	"	125	"	"	65	"	"	40	"	6.0	6.8	9.6	15.7	0.270
"	"	160	"	"	75	"	"	50	"	5.5	6.1	8.3	13.0	0.310
"	"	200	"	"	90	"	"	65	"	5.2	5.7	7.5	11.3	0.400
"	"	250	"	"	105	"	"	80	"	4.9	5.3	6.7	9.8	0.500

* Attachment With One Hole

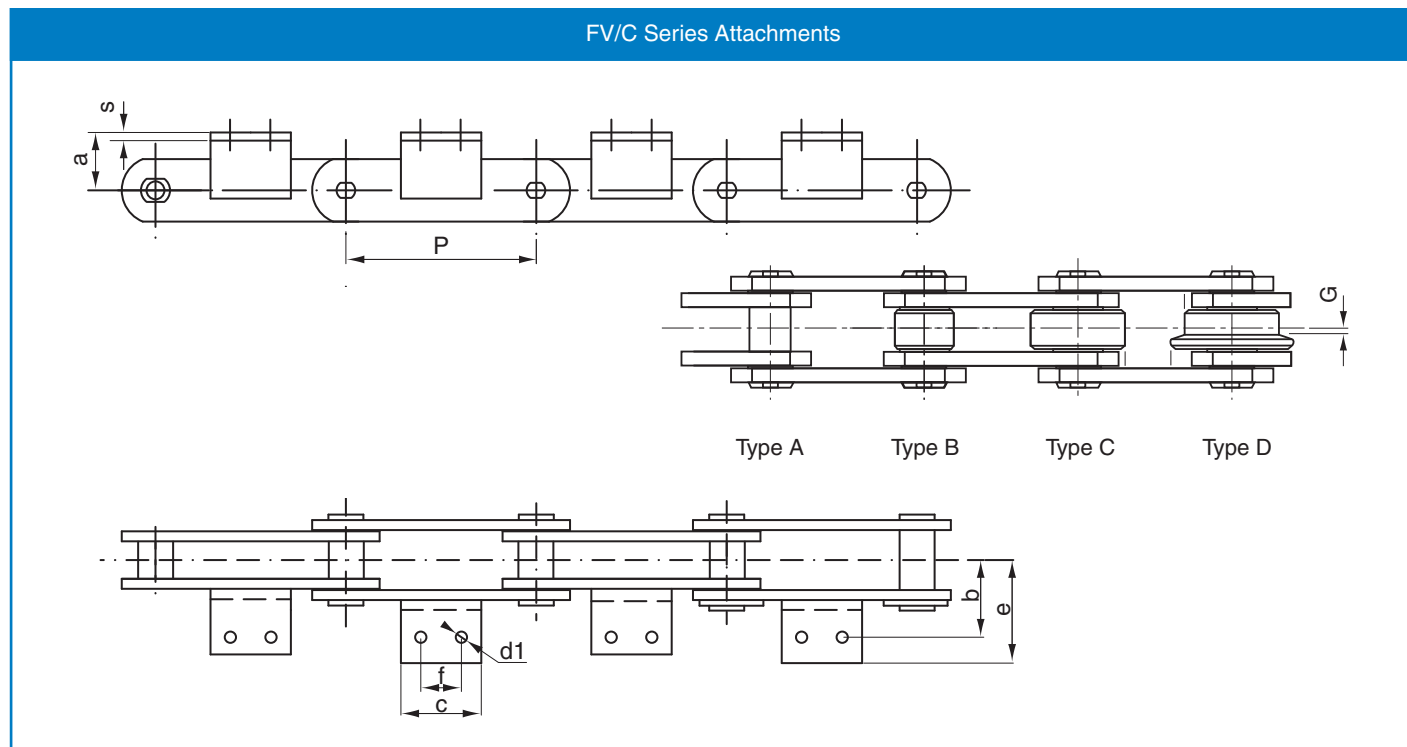
Integral Attachment

§ = Angle of attachment

Conveyor Chain Attachments

FV/C Series Attachments

Metric Conveyor Chain (DIN 8165)



DIN number	Chain number	P	a	b	c	d1	e	f	§	Chain Mass kg/m				Attachment Mass kg
										Type A	B	C	D	
FV140	C140	100	45	50	55	11	81	30	50x6	8.2	9.5	14.3	21.4	0.23
"	"	125	"	"	65	"	"	40	"	7.4	8.5	12.3	18.0	0.30
"	"	160	"	"	75	"	"	50	"	6.7	7.5	10.5	14.9	0.36
"	"	200	"	"	90	"	"	65	"	6.0	6.7	9.0	12.8	0.45
"	"	250	"	"	105	"	"	80	"	5.8	6.3	8.3	11.0	0.54
FV180	C180	125	45	64	63	13	91	35	50x7	10.5	12.4	18.9	31.3	0.32
"	"	160	"	"	80	"	"	50	"	10.2	11.7	16.7	26.5	0.41
"	"	200	"	"	95	"	"	65	"	9.6	10.8	14.8	25.9	0.52
"	"	250	"	"	110	"	"	80	"	8.9	9.8	13.0	19.3	0.62
"	"	315	"	"	130	"	"	100	"	8.3	9.0	11.6	16.6	0.72
FV250	C250	160	55	69	80	14	106	50	60x8	13.4	16.4	23.8	45.9	0.57
"	"	200	"	"	95	"	"	65	"	12.3	14.7	20.6	38.3	0.71
"	"	250	"	"	110	"	"	80	"	11.3	13.3	17.9	32.1	0.85
"	"	315	"	"	130	"	"	100	"	10.5	12.0	15.8	27.0	1.00
"	"	400	"	"	130	"	"	100	"	9.8	10.7	13.9	23.8	1.00
FV315	C315	160	60	85	50	14	130	*	70x10	20.4	24.9	33.3	67.8	0.52
"	"	200	"	"	95	"	"	65	"	18.5	22.1	28.9	56.4	0.98
"	"	250	"	"	110	"	"	80	"	17.0	20.0	25.3	47.3	1.13
"	"	315	"	"	130	"	"	100	"	15.9	18.2	22.4	39.9	1.34
"	"	400	"	"	130	"	"	100	"	15.0	16.8	20.2	34.0	1.34

* Attachment With One Hole

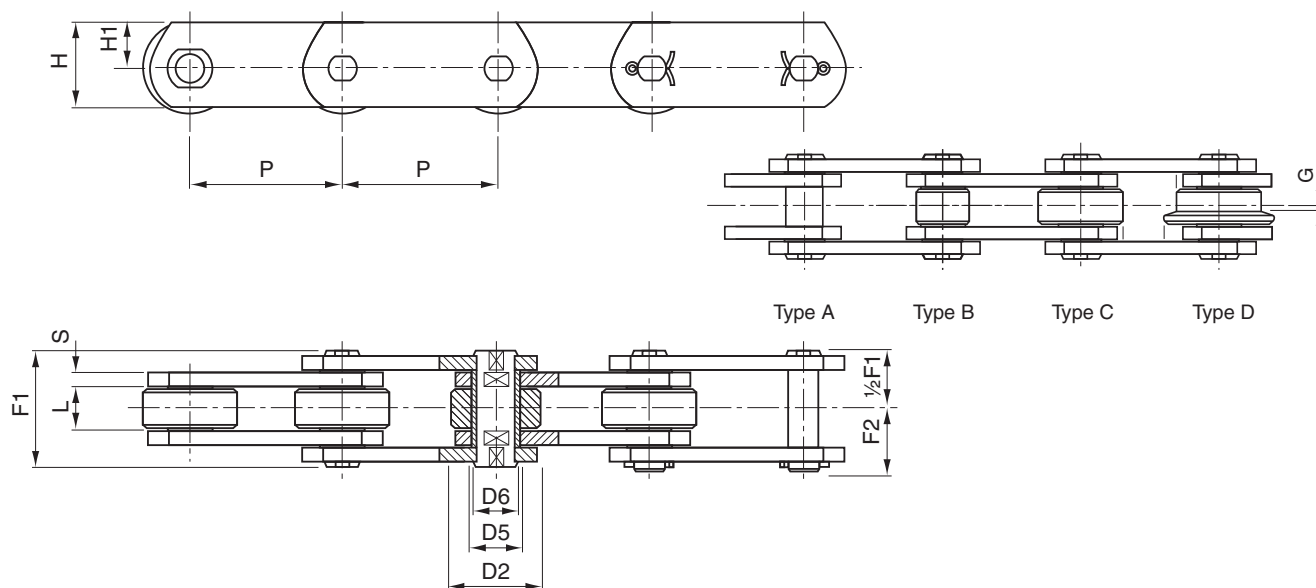
§ = Angle of attachment

Conveyor Chain

FVT/CE Series

Metric Conveyor Chain (DIN 8165)

FVT/CE Series Deep Link



Deep Link

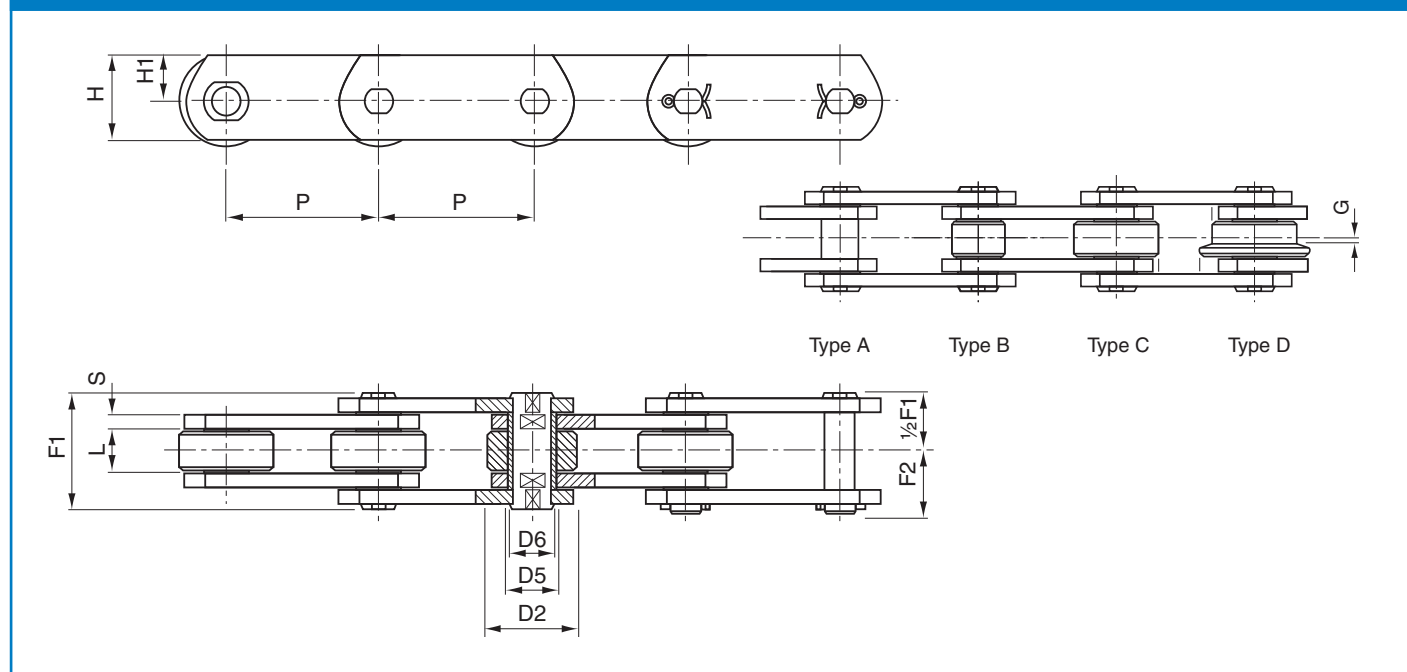
DIN number	Chain number	P	L	D2	D5	D6	H	H1	S	F1	F2	Breaking load kN	Mass (Type C) kg/m
FVT40	CE40	50	18	32	15	10	35	22.5	3	36	21	42	5.0
"	"	63	"	"	"	"	"	"	"	"	"	"	4.3
"	"	80	"	"	"	"	"	"	"	"	"	"	3.8
"	"	100	"	"	"	"	"	"	"	"	"	"	3.4
"	"	125	"	"	"	"	"	"	"	"	"	"	3.0
FVT63	CE63	63	22	40	18	12	40	25	4	45	26	64	7.5
"	"	80	"	"	"	"	"	"	"	"	"	"	6.5
"	"	100	"	"	"	"	"	"	"	"	"	"	5.7
"	"	125	"	"	"	"	"	"	"	"	"	"	5.1
"	"	160	"	"	"	"	"	"	"	"	"	"	4.5
FVT90	CE90	63	25	48	20	14	45	27.5	5	53	30	100	11.7
"	"	80	"	"	"	"	"	"	"	"	"	"	10.0
"	"	100	"	"	"	"	"	"	"	"	"	"	8.7
"	"	125	"	"	"	"	"	"	"	"	"	"	7.7
"	"	160	"	"	"	"	"	"	"	"	"	"	6.8
"	"	200	"	"	"	"	"	"	"	"	"	"	5.8
"	"	250	"	"	"	"	"	"	"	"	"	"	5.4
FVT112	CE112	100	30	55	22	16	50	30	6	62	35	120	12.7
"	"	125	"	"	"	"	"	"	"	"	"	"	11.7
"	"	160	"	"	"	"	"	"	"	"	"	"	9.7
"	"	200	"	"	"	"	"	"	"	"	"	"	8.7
"	"	250	"	"	"	"	"	"	"	"	"	"	8.0

Conveyor Chain

FVT/CE Series

Metric Conveyor Chain (DIN 8165)

FVT/CE Series Deep Link



Deep Link

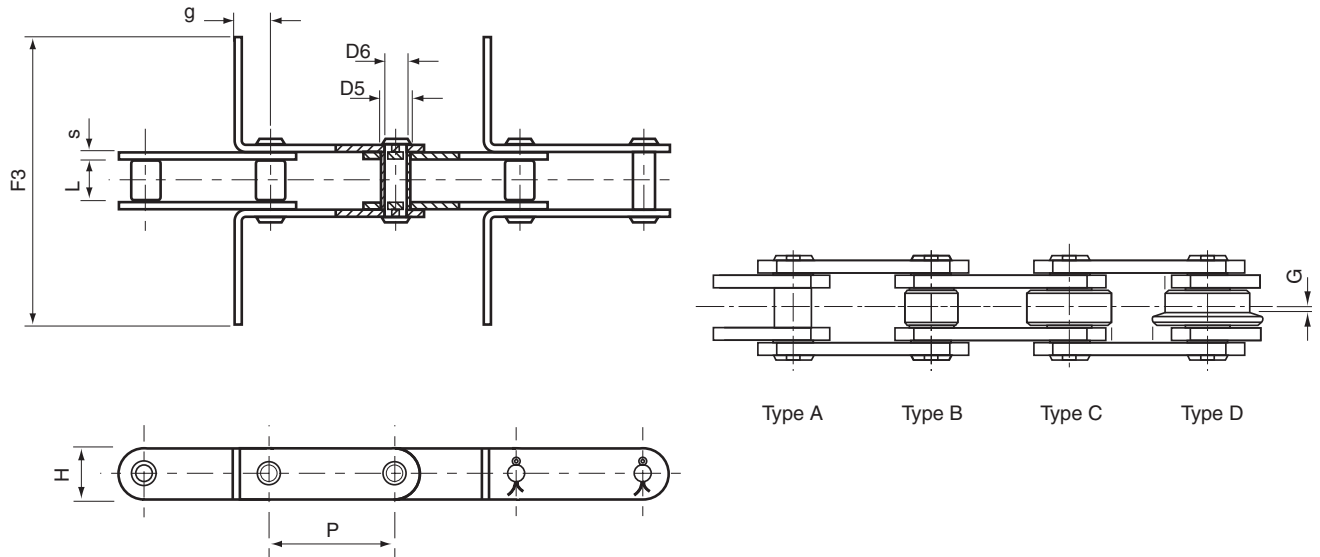
DIN number	Chain number	P	L	D2	D5	D6	H	H1	S	F1	F2	Breaking load kN	Mass (Type C) kg/m
FVT140	CE140	100	35	60	25	18	60	37.5	6	67	38	145	16.8
"	"	125	"	"	"	"	"	"	"	"	"	"	14.6
"	"	160	"	"	"	"	"	"	"	"	"	"	12.6
"	"	200	"	"	"	"	"	"	"	"	"	"	11.3
"	"	250	"	"	"	"	"	"	"	"	"	"	10.1
FVT180	CE180	125	45	70	30	20	70	45	8	86	49	190	24.2
"	"	160	"	"	"	"	"	"	"	"	"	"	20.8
"	"	200	"	"	"	"	"	"	"	"	"	"	18.4
"	"	250	"	"	"	"	"	"	"	"	"	"	16.5
"	"	315	"	"	"	"	"	"	"	"	"	"	14.9
FVT250	CE250	160	55	80	36	26	80	50	8	97	55	275	28.2
"	"	200	"	"	"	"	"	"	"	"	"	"	24.5
"	"	250	"	"	"	"	"	"	"	"	"	"	21.7
"	"	315	"	"	"	"	"	"	"	"	"	"	19.3
FVT315	CE315	160	65	90	42	30	90	55	10	26	70	370	39.9
"	"	200	"	"	"	"	"	"	"	"	"	"	34.8
"	"	250	"	"	"	"	"	"	"	"	"	"	30.6
"	"	315	"	"	"	"	"	"	"	"	"	"	27.3
"	"	400	"	"	"	"	"	"	"	"	"	"	24.5

Conveyor Chain

FV/CR Series

Metric Conveyor Chain (DIN 8165)

Scraper Chain



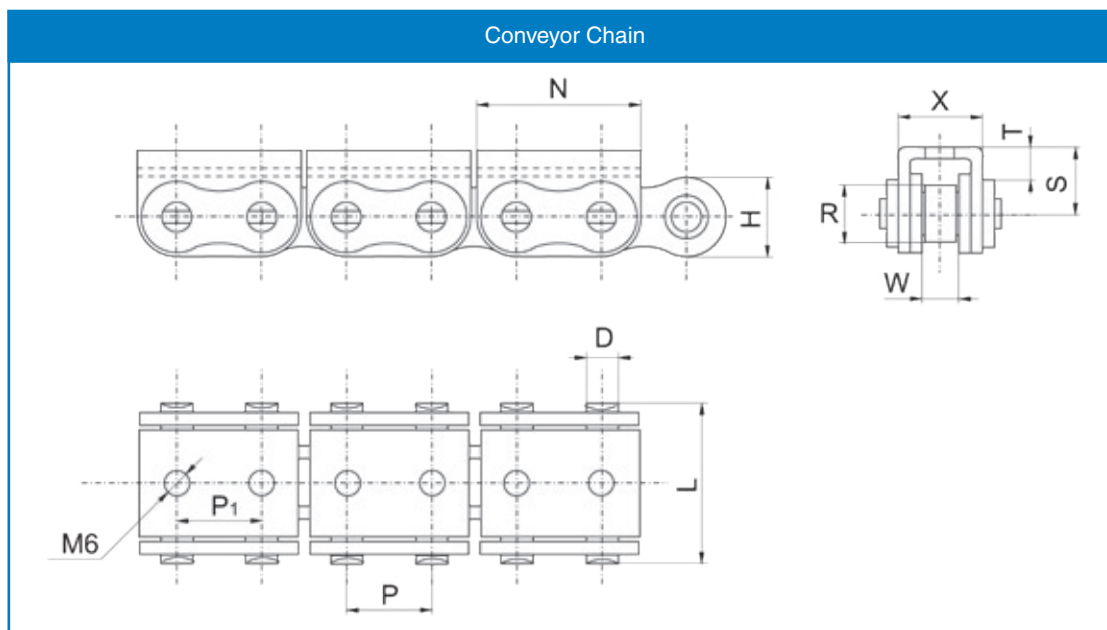
Scraper Chain

DIN number	Chain number	P	L	D5	D6	H	S	g	F3	Breaking load kN	Mass (Type C) kg/m
FV40	CR40	80	18	15	10	25	3	25	*	42	1.9
"	"	100	"	"	"	"	"	"	"	"	1.7
"	"	125	"	"	"	"	"	"	"	"	1.6
FV63	CR63	100	22	18	12	30	4	25	*	64	3.0
"	"	125	"	"	"	"	"	"	"	"	2.7
"	"	150	"	"	"	"	"	"	"	"	2.4
FV90	CR90	100	25	20	14	35	5	30	*	100	4.5
"	"	125	"	"	"	"	"	"	"	"	4.2
"	"	150	"	"	"	"	"	"	"	"	4.0
FV112	CR112	100	30	22	16	40	6	35	*	120	6.7
"	"	125	"	"	"	"	"	"	"	"	6.0
"	"	150	"	"	"	"	"	"	"	"	5.5
FV140	CR140	100	35	26	18	45	"	38	*	145	7.4
"	"	125	"	"	"	"	"	"	"	"	6.7
"	"	150	"	"	"	"	"	"	"	"	6.0
FV180	CR180	125	45	30	20	50	8	44	*	190	10.5
"	"	150	"	"	"	"	"	"	"	"	10.2
"	"	200	"	"	"	"	"	"	"	"	9.6
FV250	CR250	125	55	36	26	60	"	50	*	275	13.4
"	"	150	"	"	"	"	"	"	"	"	12.3
"	"	200	"	"	"	"	"	"	"	"	11.3

* Attachment With One Hole

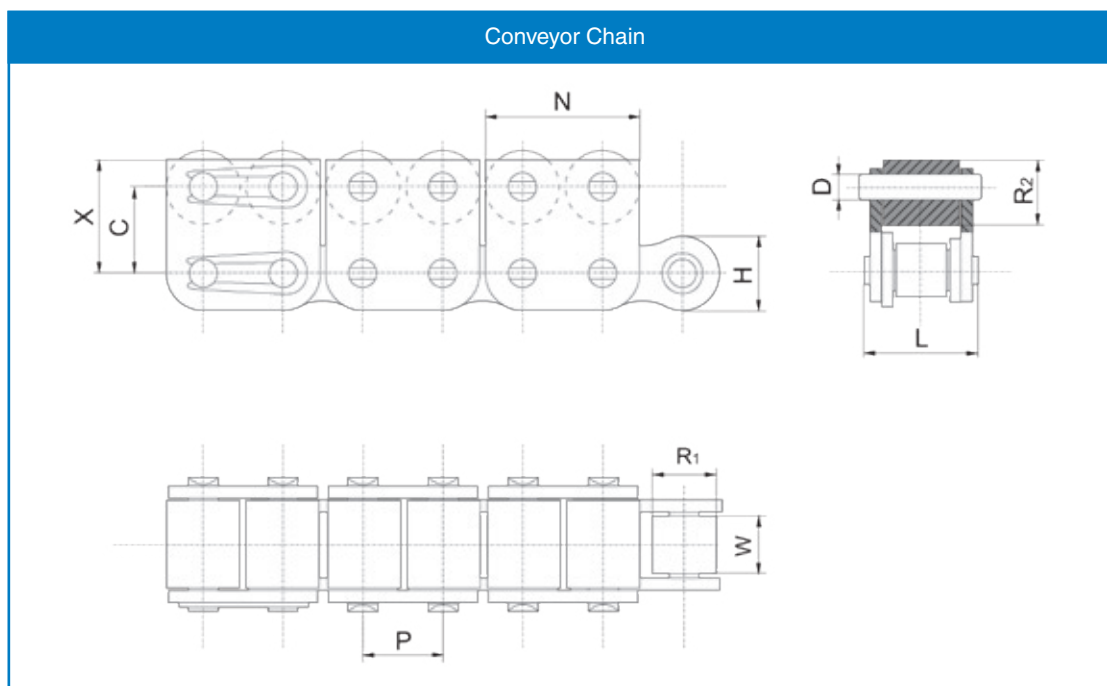
Conveyor Chain

Conveyor Chain



Model	Pitch		Working Dimensions	Roller dia. / Ø	Pin dia. / Ø	Height of plate links	P1	N	X	T	S	Tensile strength
	mm	inch										
16B/P1	25.4	1"	W min	R	D	H max	P1	N	X	T	S	kN
			17.02	15.88	8.28	21.0	25.0	49.0	29.05	4.9	15.4	58

Conveyor Chain

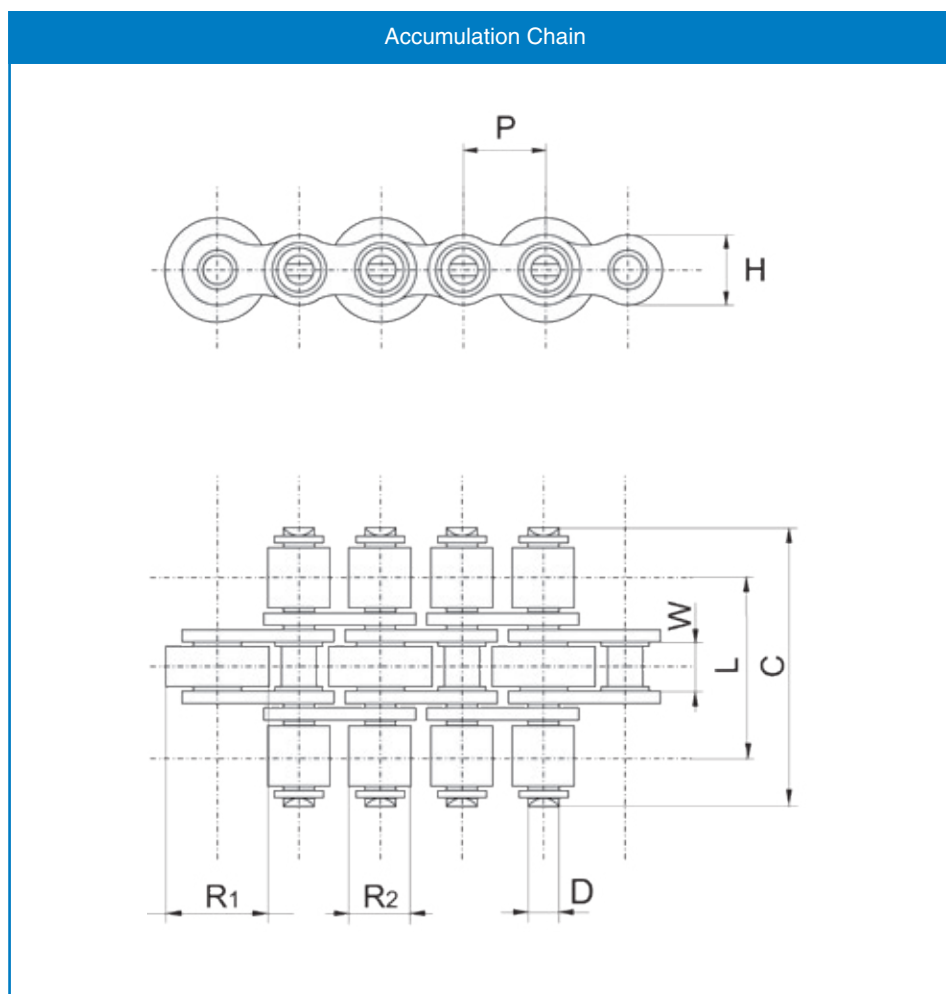


Model	Pitch P		Working Dimensions	Roller dia. / Ø	Roller dia. / Ø	Pin dia. / Ø	Pin length	Height of plate links	C	X	N	Tensile strength
	mm	inch										
10B/R1	15.875	5/8"	W min	R1	R2	D max	L max	H max	C	X	N	kN
			9.65	10.16	13.0	5.08	19.6	14.2	15.8	20.6	28.4	22.7

Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused. All dimensions in millimetres unless otherwise stated.

Conveyor Chain

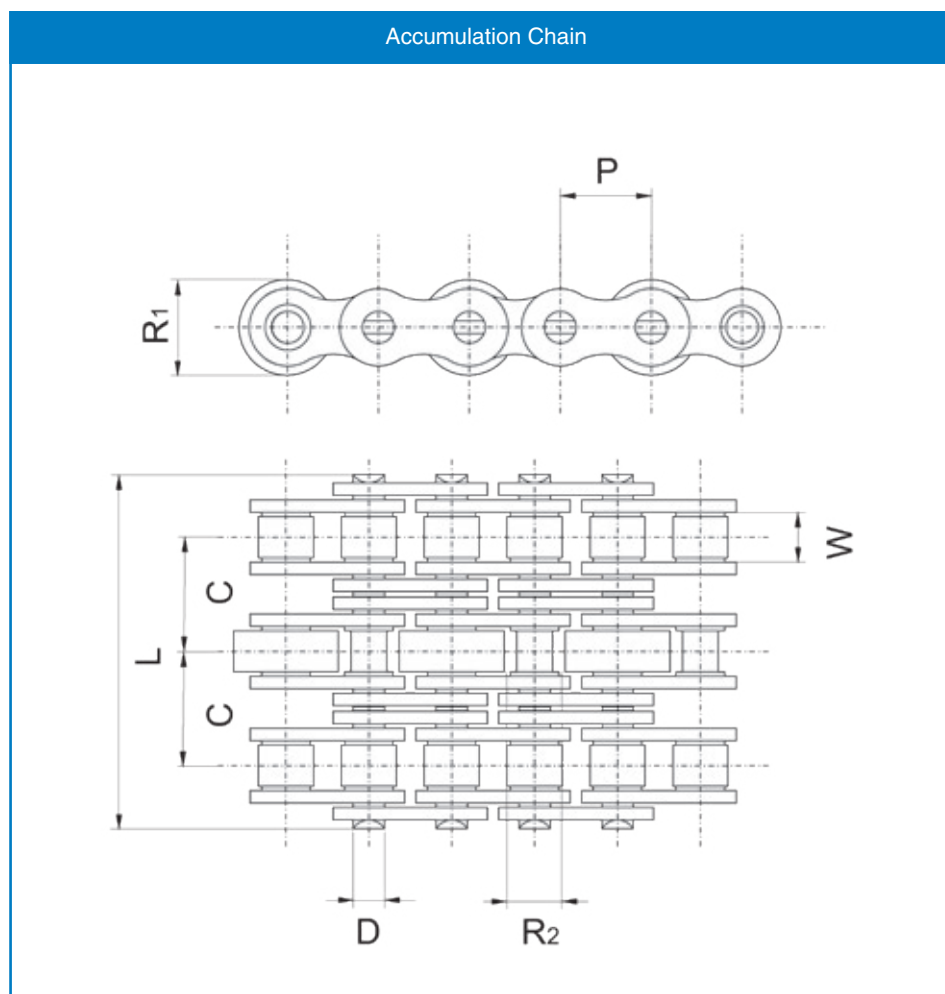
Accumulation Chain



Model	Pitch P		Working dimensions W min	Roller dia. / Ø R1 max	Roller dia. / Ø R2 max	Pin dia. / Ø D max	Pin length L max	Axis spacing C	Tensile strength kN	Mass kg/m
	mm	inch								
08B-1/S6	12.7	1/2"	7.75	16.0	8.51	4.47	27	19.1	18.2	1.17
08B-1/S7	12.7	1/2"	7.75	16.0	8.51	4.47	33	22.0	18.2	1.38
12B-1/S1	19.05	3/4"	11.68	26.0	12.07	5.72	48	31.5	29.5	3.50
12B-1/S2	19.05	3/4"	11.68	26.0	12.07	5.72	43	29.2	29.5	3.20
12B-1/S2a	19.05	3/4"	11.68	24.0	12.07	5.72	43	29.2	29.5	2.80
12B-1/S3	19.05	3/4"	11.68	28.0	12.07	5.72	40	27.0	29.5	3.40
16B-1/S5	25.4	1"	17.02	38.5	15.88	8.28	65	44.9	58.0	7.00

Conveyor Chain

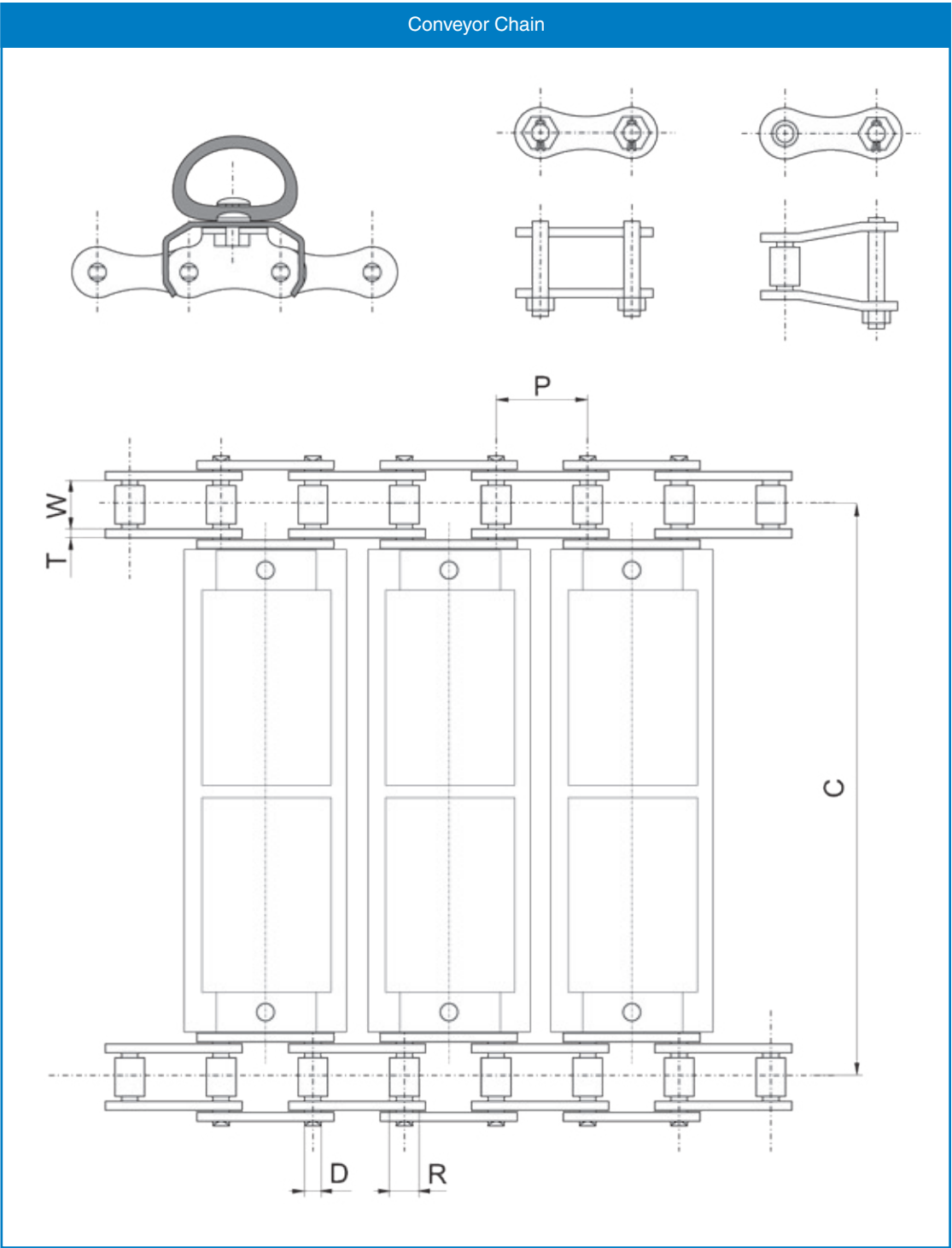
Accumulation Chain



Model	Pitch P		Working dimensions W min	Roller dia. / Ø		Pin dia. / Ø		Axis spacing C	Tensile strength kN
	mm	inch		R1 max	R2 max	D max	L max		
12B-3/S2a	19.05	3/4"	11.68	24.0	12.07	5.72	61.7	19.46	88.5
12B-3/S2	19.05	3/4"	11.68	26.0	12.07	5.72	61.7	19.46	88.5

Conveyor Chain

Conveyor Chain



Model	Pitch P		Working dimensions W min	Roller dia. / Ø R max	Pin dia. / Ø D max	T	C
	mm	inch					
S55X/TK-1	41.275	1.5/8"	20.0	15.88	8.28	3.0	1372

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Conveyor Chain Attachments

Attachment Chain Designations

Attachment Chain Designations

M 1 - 01

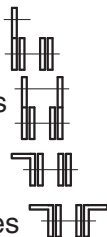
Attachment Orientation

M = Vertical one side

MK = Vertical both sides

A = Horizontal one side

K = Horizontal both sides



Mounting Holes

1 = Single Hole

2 = Double

3 = Triple



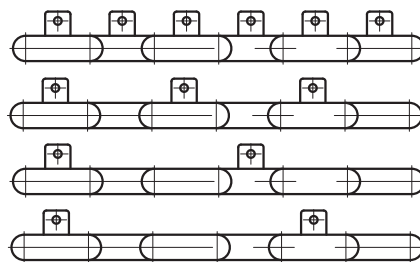
Frequency

01 = Every side plate

02 = Every other side plate

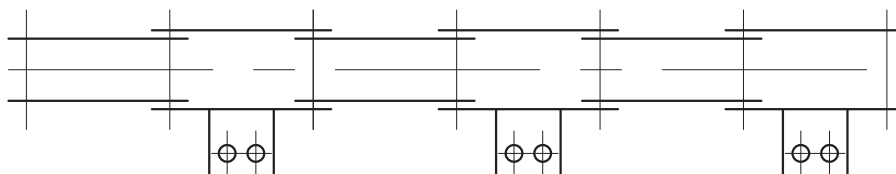
03 = Every third side plate

04 = Every fourth side plate

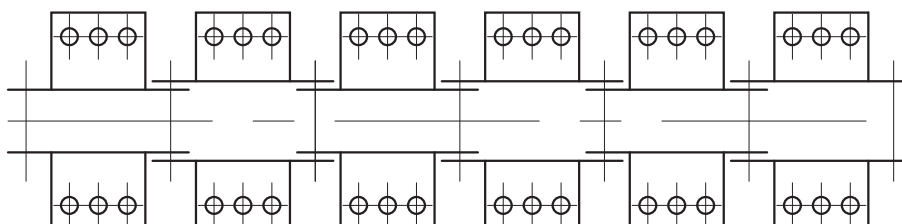


Examples

A2-02



K3-01



 **CHALLENGE** ®

