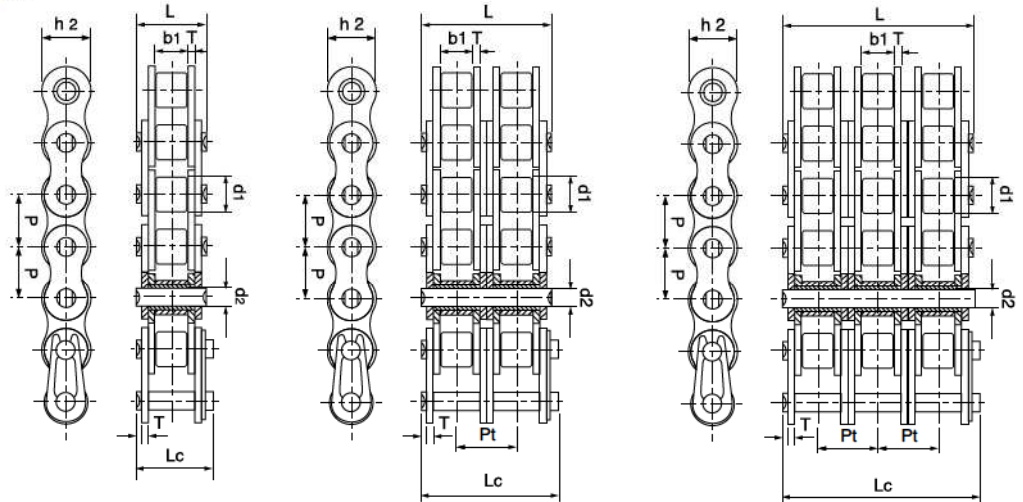




AMERICAN STANDARD ROLLER CHAINS

ANSI B29.1, ISO R606, DIN 8188



ANSI standard chain is dimensionally similar to BS chain but with generally thicker plates resulting in a narrower b1 dimension between inner plates. The pitching between strands of duplex and triplex chain, dimension Pt may also vary from BS chain.

Care should be taken to ensure that correct sprockets are used with ANSI chain.

Product Code	ANSI Chain No	ISO Chain No	Pitch	Roller Diameter	Width Between Inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thickness	Transverse Pitch	Minimum Tensile Strength	Average Tensile Strength	Weight per Metre
			P mm	d1 max mm	min mm	d2 max mm	L max mm	Lc max mm	h2 max mm	T max mm	Pt mm	Q min kN	Q0 kN	q kg/m
SIMPLEX														
431004060FEN	•25	•04C-1	6.350	3.30	3.18	2.31	7.90	8.40	6.00	0.80		3.50	4.60	0.15
431004150FEN	•35	•06C-1	9.525	5.08	4.77	3.58	12.40	13.17	9.00	1.30		7.90	10.80	0.33
431004240FEN	40	08A-1	12.700	7.95	7.85	3.96	16.60	17.80	12.00	1.50		14.10	17.50	0.62
431004330FEN	41	085-1	12.700	7.77	6.25	3.58	13.75	15.00	9.91	1.30		6.67	12.60	0.41
431004390FEN	50	10A-1	15.875	10.16	9.40	5.08	20.70	22.20	15.09	2.03		22.20	29.40	1.02
431004480FEN	60	12A-1	19.050	11.91	12.57	5.94	25.90	27.70	18.00	2.42		31.80	41.50	1.50
431004570FEN	80	16A-1	25.400	15.88	15.75	7.92	32.70	35.00	24.00	3.25		56.70	69.40	2.60
431004660FEN	100	20A-1	31.750	19.05	18.90	9.53	40.40	44.70	30.00	4.00		88.50	109.20	3.91
431004750FEN	120	24A-1	38.100	22.23	25.22	11.10	50.30	54.30	35.70	4.80		127.00	156.30	5.62
431004840FEN	140	28A-1	44.450	25.40	25.22	12.70	54.40	59.00	41.00	5.60		172.40	212.00	7.50
431004930FEN	160	32A-1	50.800	28.58	31.55	14.27	64.80	69.60	47.80	6.40		226.80	278.90	10.10
431005020FEN	180	36A-1	57.150	35.71	35.48	17.46	72.80	78.60	53.60	7.20		280.20	341.80	13.45
431005110FEN	200	40A-1	63.500	39.68	37.85	19.85	80.30	87.20	60.00	8.00		353.80	431.60	16.15
431005200FEN	240	48A-1	76.200	47.63	47.35	23.81	95.50	103.00	72.39	9.50		510.30	622.50	23.20
DUPLEX														
431004090FEN	•25-2	•04C-2	6.350	3.30	3.18	2.31	14.50	15.00	6.00	0.80	6.40	7.00	8.60	0.28
431004180FEN	•35-2	•06C-2	9.525	5.08	4.77	3.58	22.50	23.30	9.00	1.30	10.13	15.80	19.70	0.63
431004270FEN	40-2	08A-2	12.700	7.95	7.85	3.96	31.00	32.20	12.00	1.50	14.38	28.20	35.90	1.12
431004420FEN	50-2	10A-2	15.875	10.16	9.40	5.08	38.90	40.40	15.09	2.03	18.11	44.40	58.10	2.00
431004510FEN	60-2	12A-2	19.050	11.91	12.57	5.94	48.80	50.50	18.00	2.42	22.78	63.60	82.10	2.92
431004600FEN	80-2	16A-2	25.400	15.88	15.75	7.92	62.70	64.30	24.00	3.25	29.29	113.40	141.80	5.15
431004690FEN	100-2	20A-2	31.750	19.05	18.90	9.53	76.40	80.50	30.00	4.00	35.76	177.00	219.40	7.80
431004780FEN	120-2	24A-2	38.100	22.23	25.22	11.10	95.80	99.70	35.70	4.80	45.44	254.00	314.90	11.70
431004870FEN	140-2	28A-2	44.450	25.40	25.22	12.70	103.30	107.90	41.00	5.60	48.87	344.80	427.50	15.14
431004960FEN	160-2	32A-2	50.800	28.58	31.55	14.27	123.30	128.10	47.80	6.40	58.55	453.60	562.40	20.14
431005060FEN	180-2	36A-2	57.150	35.71	35.48	17.46	138.60	144.40	53.60	7.20	65.84	560.50	695.00	29.22
431005140FEN	200-2	40A-2	63.500	39.68	37.85	19.85	151.90	158.80	60.00	8.00	71.55	707.60	877.40	32.24
431005230FEN	240-2	48A-2	76.200	47.63	47.35	23.81	183.40	190.80	72.39	9.50	87.83	1020.60	1255.30	45.23
TRIPLEX														
431004120FEN	•25-3	•04C-3	6.350	3.30	3.18	2.31	21.00	21.50	6.00	0.80	6.40	10.50	12.60	0.44
431004210FEN	•35-3	•06C-3	9.525	5.08	4.77	3.58	32.70	33.50	9.00	1.30	10.13	23.70	28.60	1.05
431004300FEN	40-3	08A-3	12.700	7.95	7.85	3.96	45.40	46.60	12.00	1.50	14.38	42.30	50.00	1.90
431004450FEN	50-3	10A-3	15.875	10.16	9.40	5.08	57.00	58.50	15.09	2.03	18.11	66.60	77.80	3.09
431004540FEN	60-3	12A-3	19.050	11.91	12.57	5.94	71.50	73.30	18.00	2.42	22.78	95.40	111.10	4.54
431004630FEN	80-3	16A-3	25.400	15.88	15.75	7.92	91.70	93.60	24.00	3.25	29.29	170.10	198.40	7.89
431004720FEN	100-3	20A-3	31.750	19.05	18.90	9.53	112.20	116.30	30.00	4.00	35.76	265.50	309.60	11.77
431004810FEN	120-3	24A-3	38.100	22.23	25.22	11.10	141.40	145.20	35.70	4.80	45.44	381.00	437.20	17.53
431004900FEN	140-3	28A-3	44.450	25.40	25.22	12.70	152.20	156.80	41.00	5.60	48.87	517.20	593.30	22.20
431004990FEN	160-3	32A-3	50.800	28.58	31.55	14.27	181.80	186.60	47.80	6.40	58.55	680.40	780.60	30.02
431005080FEN	180-3	36A-3	57.150	35.71	35.48	17.46	204.40	210.20	53.60	7.20	65.84	840.70	983.60	38.22
431005170FEN	200-3	40A-3	63.500	39.68	37.85	19.85	223.50	230.40	60.00	8.00	71.55	1061.40	1217.80	49.03
431005260FEN	240-3	48A-3	76.200	47.63	47.35	23.81	271.30	278.60	72.39	9.50	87.83	1530.90	1756.50	71.60

• Bushing chain, d1 indicates the external diameter of the bushing. Dimensions in mm. Cottered chain can be supplied for all chains of 19.05 mm pitch and above.

Chain is sold in units of feet.