



iwis® Roller Chains, American Standard (ANSI) according to ISO 606

ISO	iwis reference	ANSI Ref. no.	Pitch p (°)	Pitch p (mm)	Ave. tensile strength F_a (N)	Min. tensile strength F_u (N)	Bearing area F (cm ²)	Weight per m q (kg/m)	Inner link			Outer link			Transverse pitch e (mm)	
									b_1 (mm) min.	b_2 (mm) max.	g (mm) max.	a_1 (mm) max. ²⁾	a (mm) max. ²⁾	Roller d_r (mm) max.		Pin d_p (mm) max.
Simplex																
04 C-1	G 42 A	25-1	1/4	6.35	4,909	3,500	0.11	0.13	3.18	4.80	5.80	7.820	8.62	3.30	2.31	-
06 A-1	G 67 A	35-1	3/8	9.55	10,983	7,900	0.27	0.32	4.78	7.46	9.04	11.96	12.93	5.08	3.60	-
08 A-1	L 85 A	40-1	1/2	12.70	18,000	13,900	0.44	0.60	7.92	11.17	12.06	16.60	18.54	7.95	3.98	-
10 A-1	M 106 A	50-1	5/8	15.875	29,000	21,800	0.70	1.01	9.53	13.84	15.08	20.40	22.55	10.16	5.09	-
12 A-1	M 128 A SL ¹⁾	60-1	3/4	19.05	42,000	31,300	1.06	1.47	12.70	17.75	18.09	25.44	27.99	11.91	5.96	-
16 A-1	M 1610 A	80-1	1	25.40	68,000	55,600	1.79	2.57	15.88	22.60	24.13	33.0	35.0	15.88	7.94	-
20 A-1	M 2012 A	100-1	1 1/4	31.75	112,776	87,000	2.62	3.95	19.05	27.45	30.16	39.68	43.98	19.05	9.54	-
24 A-1	M 2416 A	120-1	1 1/2	38.10	152,984	125,000	3.94	5.64	25.40	35.45	36.19	51.06	55.36	22.23	11.11	-
28 A-1	M 2816 A	140-1	1 3/4	44.45	205,940	170,000	4.73	7.38	25.40	37.18	42.22	54.54	59.44	25.40	12.71	-
32 A-1	M 3219 A	160-1	2	50.80	256,934	223,000	6.46	9.40	31.55	45.21	48.26	65.52	69.82	25.58	14.29	-
36 A-1	M 3623 A	180-1	2 1/4	57.15	374,614	281,000	8.88	12.67	35.71	50.85	54.29	73.28	78.78	35.71	17.46	-
40 A-1	M 4024 A	200-1	2 1/2	63.50	485,429	347,000	10.89	15.90	38.10	54.88	60.32	80.70	86.70	39.68	19.85	-
48 A-1	M 4830 A	240-1	3	76.20	686,466	500,000	16.15	24.40	47.63	67.81	72.39	98.70	104.70	47.63	23.81	-
Duplex																
04 C-2	D 42 A	25-2	1/4	6.35	9,218	7,000	0.22	0.25	3.18	4.80	5.80	14.22	15.02	3.30	2.31	6.40
06 A-2	D 67 A	35-2	3/8	9.53	21,967	15,800	0.56	0.63	4.78	7.46	9.04	22.42	23.12	5.08	3.60	10.13
08 A-2	D 85 A	40-2	1/2	12.70	36,000	27,800	0.88	1.22	7.92	11.17	12.06	31.00	32.98	7.95	3.98	14.38
10 A-2	D 106 A	50-2	5/8	15.875	56,000	43,600	1.40	2.00	9.53	13.84	15.08	38.60	40.72	10.16	5.09	18.11
12 A-2	D 128 A ¹⁾	60-2	3/4	19.05	84,000	62,600	2.12	2.90	12.70	17.75	18.09	48.20	50.83	11.91	5.96	22.78
16 A-2	D 1610 A	80-2	1	25.40	145,000	111,200	3.58	5.05	15.88	22.60	24.13	62.20	64.30	15.88	7.92	29.29
20 A-2	D 2012 A	100-2	1 1/4	31.75	225,553	174,000	5.24	7.86	19.05	27.45	30.16	76.28	79.18	19.05	9.54	35.76
24 A-2	D 2416 A	120-2	1 1/2	38.10	305,967	250,000	7.88	11.20	25.40	35.45	36.19	96.26	100.46	22.23	11.11	45.44
28 A-2	D 2816 A	140-2	1 3/4	44.45	411,879	340,000	9.46	14.66	25.40	37.18	42.22	103.14	108.54	25.40	12.71	48.87
32 A-2	D 3219 A	160-2	2	50.80	249,089	446,000	12.92	18.64	31.55	45.21	48.26	124.82	127.62	25.58	14.29	58.55
36 A-2	D 3623 A	180-2	2 1/4	57.15	749,228	562,000	17.76	25.14	35.71	50.85	54.29	139.12	144.62	35.71	17.46	65.84
40 A-2	D 4024 A	200-2	2 1/2	63.50	970,858	694,000	21.78	31.60	38.10	54.88	60.32	152.30	158.30	39.68	19.85	71.55
48 A-2	D 4830 A	240-2	3	76.20	1,372,931	1,000,000	32.30	48.40	47.63	67.81	72.39	186.60	192.50	47.63	23.81	87.83
Triplex																
04 C-3	TR 42 A	25-3	1/4	6.35	13,827	10,500	0.33	0.37	3.18	4.80	5.80	21.06	21.86	3.30	2.31	6.40
06 A-3	TR 67 A	35-3	3/8	9.53	32,950	23,700	0.81	0.94	4.78	7.46	9.04	32.18	33.28	5.08	3.60	10.13
08 A-3	TR 85 A	40-3	1/2	12.70	50,000	41,700	1.32	1.82	7.92	11.17	12.06	45.40	47.36	7.95	3.98	14.38
10 A-3	TR 106 A	50-3	5/8	15.875	80,000	65,400	2.10	2.89	9.53	13.84	15.08	56.70	58.93	10.16	5.09	18.11
12 A-3	TR 128 A	60-3	3/4	19.05	125,000	93,900	3.18	4.28	12.70	17.75	18.09	71.10	73.71	11.91	5.96	22.78
16 A-3	TR 1610 A	80-3	1	25.40	210,000	166,800	5.37	7.54	15.88	22.60	24.13	91.40	93.50	15.88	7.94	29.29
20 A-3	TR 2012 A	100-3	1 1/4	31.75	338,329	261,000	7.86	11.75	19.05	27.45	30.16	112.98	115.88	19.05	9.54	35.76
24 A-3	TR 2416 A	120-3	1 1/2	38.10	458,951	375,000	11.82	16.73	25.40	35.45	36.19	140.86	145.96	22.23	11.11	45.44
28 A-3	TR 2816 A	140-3	1 3/4	44.45	617,819	510,000	14.19	21.93	25.40	37.18	42.22	152.24	157.24	25.40	12.71	48.87
32 A-3	TR 3219 A	160-3	2	50.80	770,803	669,000	19.38	27.89	31.55	45.21	48.26	183.52	185.52	25.58	14.29	58.55
36 A-3	TR 3623 A	180-3	2 1/4	57.15	1,123,842	843,000	26.64	37.60	35.71	50.85	54.29	210.45	210.46	35.71	17.46	65.84
40 A-3	TR 4024 A	200-3	2 1/2	63.50	1,456,288	1,041,000	32.67	47.30	38.10	54.88	60.32	223.80	229.80	39.68	19.85	71.55
48 A-3	TR 4830 A	240-3	3	76.20	2,059,397	1,500,000	48.45	72.40	47.63	67.81	72.39	274.40	280.40	47.63	23.81	87.83

¹⁾ Also available with straight side plates ²⁾ Varying dimensions for cranked links