

iwis® Roller Chains, British Standard according to ISO 606 and iwis standard

	ISO	iwis reference	Pitch p (")	Pitch p (mm)	Ave. tensile strength F_a (N)	Min. tensile strength F_{\min} (N)	Bearing area F (cm ²)	Weight per m q (kg/m)	b_1 (mm) min.	b_2 (mm) max.	g (mm) max.	Inner link a_1 (mm) max. ²⁾	Outer link a (mm) max. ²⁾	Roller d (mm) max.	Pin d_1 (mm) max.
Simplex															
04	G 42	6 x 2.8 mm	6.00	3,200	3,000	0.07	0.12	2.80	4.10	5.00	6.70	7.60	4.00	1.85	
05 B-1	G 52	8 mm x 1/8"	8.00	6,000	4,400	0.11	0.18	3.16	4.85	7.10	8.10	9.20	5.00	2.31	
-	G 53 HZ ^{1) 3)}	8 mm x 3/16"	8.00	8,500	-	0.25	0.34	4.76	7.90	7.60	11.70	-	5.00	3.15	
06 B-1	G 67 ¹⁾	3/8 x 7/32"	9.525	10,500	8,900	0.28	0.41	5.72	8.53	8.20	12.90	14.10	6.35	3.31	
-	P 83 V	1/2 x 3/16"	12.70	15,500	-	0.29	0.44	4.88	7.97	10.20	13.20	14.10	7.75	3.68	
-	S 84 V	1/2 x 1/4"	12.70	18,000	-	0.38	0.58	6.40	9.65	12.00	15.00	16.00	7.75	3.97	
08 B-1	L 85 SL*	1/2 x 5/16"	12.70	22,000	17,800	0.50	0.70	7.75	11.30	11.80	16.90	18.50	8.51	4.45	
10 B-1	M 106 SL*	5/8 x 3/8"	15.875	27,000	22,200	0.67	0.95	9.65	13.28	14.40	19.50	20.90	10.16	5.08	
12 B-1	M 127 SL*	3/4 x 7/16"	19.05	32,700	28,900	0.89	1.25	11.75	15.62	16.40	22.70	23.60	12.07	5.72	
16 B-1	M 1611*	1" x 17 mm	25.40	75,000	60,000	2.10	2.70	17.02	25.45	21.10	36.10	36.90	15.88	8.28	
20 B-1	M 2012	1 1/4 x 3/4"	31.75	120,000	95,000	2.92	3.72	19.56	29.01	25.40	40.50	46.30	19.05	10.19	
24 B-1	M 2416	1 1/2 x 1"	38.10	211,000	160,000	5.50	7.05	25.40	37.92	33.50	53.10	60.00	25.40	14.63	
28 B-1	M 2819	1 3/4 x 31 mm	44.45	250,000	200,000	7.35	8.96	30.95	46.58	37.00	63.60	69.90	27.94	15.90	
32 B-1	M 3219	2" x 31 mm	50.80	315,000	250,000	8.05	10.00	30.95	45.57	42.30	65.10	70.10	29.21	17.81	

¹⁾ Straight side plates ²⁾ Varying dimensions for cranked links ³⁾ Bush chain

* Easy break – chains with shouldered pins

The suffix **SL** indicates chains with particularly **wear-resistant pins**.

It should be noted that if cranked links are fitted, the breaking strength of the chain may be reduced by approximately 20 %.

