FREE CALCULATOR

Roller chain size chart (ANSI) and chain length calculator

ANSI roller chain sizes with pitch, roller diameter, width and tensile strength, and a calculator for the chain length in links between two sprockets.

CHART

ANSI roller chain sizes (ASME B29.1)

ANSI CHAIN	PITCH	MAX ROLLER DIAMETER	INSIDE WIDTH (IN)	MIN TENSILE STRENG
25	0.250 in (6.35 mm)	0.130 in (3.30 mm)	1/8	780 lb (350 kg)
35	0.375 in (9.53 mm)	0.200 in (5.08 mm)	3/16	1,760 lb (800 kg)
41	0.500 in (12.70 mm)	0.306 in (7.77 mm)	1/4	1,500 lb (680 kg)
40	0.500 in (12.70 mm)	0.312 in (7.92 mm)	5/16	3,125 lb (1,417 kg)
50	0.625 in (15.88 mm)	0.400 in (10.16 mm)	3/8	4,880 lb (2,210 kg)
60	0.750 in (19.05 mm)	0.469 in (11.91 mm)	1/2	7,030 lb (3,190 kg)
80	1.000 in (25.40 mm)	0.625 in (15.88 mm)	5/8	12,500 lb (5,700 kg)
100	1.250 in (31.75 mm)	0.750 in (19.05 mm)	-	19,531 lb (8,859 kg)
120	1.500 in (38.10 mm)	0.875 in (22.23 mm)	-	28,125 lb (12,757 kg)
140	1.750 in (44.45 mm)	1.000 in (25.40 mm)	-	38,280 lb (17,360 kg)
160	2.000 in (50.80 mm)	1.125 in (28.58 mm)	-	50,000 lb (23,000 kg
180	2.250 in (57.15 mm)	1.460 in (37.08 mm)	-	63,280 lb (28,700 kg
200	2.500 in (63.50 mm)	1.562 in (39.67 mm)	-	78,175 lb (35,460 kg)
240	3.000 in (76.20 mm)	1.875 in (47.63 mm)	-	112,500 lb (51,000 kg

Inside width is the gap between the inner link plates.

Free chart from fleetzap.com/tools/roller-chain-size-chart