

Last updated on January 01, 2013.

Copyright 2004-2013 by Michael P. Murray & Mike's Clock Clinic

This file addresses how to figure out what size chain you will need for a clock that is chain driven and the original chain is lost.

Measure the points of the sprockets on your chain wheel. The distance from a "tip" to the next "tip" of the sprocket on the chain wheel will give you the sprocket size for each given chain according to the charts below.

#### Regular Link chain

Sprocket Size	Links/Foot	Wire diameter
8.5MM	72	.7MM
9.7MM	63	.7MM
9.7MM	63	.8MM
9.7MM	63	.9MM
11.5MM	53	1.05MM
11.7MM	52	1.2MM
12.0MM	51	.95MM
12.0MM	51	1.1MM
12.4MM	49	1.35MM
12.5MM	47	1.5MM
13.0MM	47	1.05MM
13.0MM	47	1.6MM
13.9MM	44	1.1MM
13.9MM	44	1.2MM
13.9MM	44	1.35MM
13.9MM	44	1.5MM
14.2MM	43	1.2MM
14.2MM	43	1.35MM
14.2MM	43	1.4MM
14.2MM	43	1.55MM
14.2MM	43	1.6MM
14.2MM	43	1.7MM
14.2MM	43	1.8MM
14.5MM	42	1.6MM
14.9MM	41	1.3MM
15.2MM	40	1.3MM
15.6MM	39	1.8MM
16.0MM	38	1.8MM
16.0MM	38	2.0MM
25.4MM	24	1.7MM
29.0MM	21	2.5MM

#### Special Link Chain (Which has more rounded links)

Sprocket Size	Links/Foot	Wire diameter
16.5MM	37	1.1MM
17.9MM	34	1.3MM
21.0MM	29	1.5MM

#### Ladder Chain

Sprocket Size	Links/Foot	Wire diameter
3.3MM	92	.6MM
4.7MM	63	.9MM
6.6MM	48	1.0MM
6.8MM	43	1.1MM
8.0MM	39	1.2MM
8.3MM	37	1.3MM
8.7MM	36	1.4MM
9.7MM	32	1.5MM
9.7MM	32	1.8MM
9.7MM	32	2.0MM
10.5MM	30	2.4MM
12.0MM	29	2.7MM

The above information comes from the # 176 catalog from the PM Company. The catalog is no longer available but the company is and they are located at:

The PM Company (Steve Wolochow)  
 827 West Mahogany Circle  
 P. O. Box 238  
 Louisville, CO 80027  
 303-665-3727 or Fax 303-665-3728  
 E-mail address: info@pmclocks.com  
 Web site address: <http://www.pmclocks.com>  
 A clock supplies material house.

#### Cuckoo Clock Chains

Links/ft.	Wire diameter	Outer dia.	Inner dia.	Cuckoo model
53	1.05mm.	7.9mm.	5.8mm.	Regula 25,35
47	1.05mm.	8.5mm.	6.4mm.	" "
51	1.20mm.	8.2mm.	5.8mm.	Regula 34
43	1.20mm.	9.5mm.	7.1mm.	"
45	1.35mm.	9.5mm.	6.8mm.	"
43	1.35mm.	9.8mm.	7.1mm.	Herr 8 day
48.5	1.35mm.	9.0mm.	6.3mm.	"
46.5	1.50mm.	9.5mm.	6.5mm.	"

#### Hermle Chains

All Hermle chains are 47 links/foot.  
 261 series wire diameter. 1.4 mm  
 241/451 series wire diameter 1.7 mm

A service from, E-mail address: Mike@atmos-man.com  
 Mike Murray Founder of Clocksmiths

A specialist in Atmos and 400-day clock repair.  
 Also, I overhaul most plug in electric clocks.  
 In continuous horological service since 04/01/1982.

Mike's Clock Clinic Memberships: Clocksmiths, & NAWCC  
1600 Maryland Avenue  
Myrtle Point, OR 97458-1508

Phone: 541-559-1090 or 877-286-6762

My main Web site is located at "<http://www.atmosman.com/>"

Main FTP site is located at:  
"<http://home.earthlink.net/~atmosman/earthftp.html>"

Copyright 2004-2013 Michael P. Murray & Mike's Clock Clinic