

Campbell welded chain products are designed and built for rugged lasting service. As with any quality product certain precautions and standards of treatment should be observed. Follow the suggestions listed below and the serviceable life may be extended considerably beyond the normal life of the chain. Campbell engineers should be consulted when heat treated chain is used at unusual temperatures (under -20°F [-29°C] or over 350°F [177°C] or where special applications are required.

**Instructions Regarding Attachments:** Where attachments, such as hooks or rings, are designed for use with chain in sustaining loads, care should be taken to select the type, grade and size recommended. Attachments shall have a rated capacity (working load limit) at least equal to that of the steel chain with which they are used; if not, the assembly shall be rated to the capacity of the weakest component.

**Cautions:** The terms "working load limit" and "proof test" contain no implication of what load the chain will withstand if either of the above factors are changed. NEVER EXCEED THE WORKING LOAD LIMIT OF CHAIN even when chain is new and the load is uniformly applied. Manufacturer denies any liability for damage which may result from use in excess of working load limit. Any abuse or misuse of the product may lessen the load the product will withstand. Some examples of such changes and abuses are as follows:

- Twisting.
- Disfigurement.
- Deterioration of the product by strain, usage or corrosion.
- Shock loading.
- Use for a purpose other than that for which the particular product was intended.
- Use to carry a load in excess of working load limit.

Purchasers will please note that all the "cautions" above set forth apply not only to the use of the chain, but also to the use of attachments thereon.

**OTHER ATTACHMENTS  
AVAILABLE UPON  
REQUEST**

## MINIMUM ALLOWABLE DIAMETER CHART

TRADE SIZE		ACTUAL MATERIAL DIAMETER		MINIMUM ALLOWABLE DIAMETER AT WORN PORTION OF LINK
INCHES	MM	INCHES	MM	
<b>SYSTEMS 3 AND 4</b>				
3/16	5	.218	5.53	.171
1/4	7	.281	7.14	.234
5/16	8	.343	8.71	.265
3/8	10	.406	10.31	.296
7/16	11	.468	11.89	.343
1/2	13	.531	13.49	.390
5/8	16	.656	16.66	.484
3/4	20	.781	19.84	.593
7/8	22	.906	23.01	.703
1	25	1.031	26.19	.828
1-1/4	32	1.281	32.54	1.031
<b>SYSTEM 7</b>				
1/4	7	.281	7.14	.234
5/16	8	.343	8.71	.265
3/8	10	.394	10.00	.296
7/16	11	.468	11.89	.343
1/2	13	.512	13.00	.390
<b>SYSTEM 8</b>				
7/32	5	.218	5.53	.172
9/32	7	.281	7.14	.234
5/16	8	.315	8.00	.250
3/8	10	.394	10.00	.296
1/2	13	.512	13.00	.391
5/8	16	.630	16.00	.484
3/4	20	.787	20.00	.594
7/8	22	.881	22.40	.703
1	25	1.000	25.40	.813
1-1/4	32	1.250	31.75	1.000

**GRADE 100 SEE PAGE 44**

## COMPARATIVE TABLE OF WIRE SIZES AND CHAIN SIZES

WASHBURN AND MOEN WIRE GAUGE	NEAREST FRACTIONS OF AN INCH	DECIMALS OF AN INCH	EQUIV. IN MM	DOUBLE LOOP	WELDLESS LOCK LINK	CHAIN NUMBER		
						JACK	COIL	WELDED MACHINE
No. 20	1/32	.034	0.88	—	—	No. 20	—	—
No. 18	3/64	.047	1.20	No. 7	—	No. 18	—	—
No. 17	3/64	.054	1.37	No. 6	—	—	—	—
No. 16	1/16	.062	1.59	No. 5	—	No. 16	—	—
No. 15	5/64	.072	1.83	No. 4	No. 4	—	—	—
No. 14	5/64	.080	2.03	No. 3	No. 3	No. 14	—	—
No. 13	3/32	.091	2.32	No. 2	No. 2	—	—	—
No. 12	7/64	.105	2.68	No. 1	No. 1	No. 12	—	—
No. 11	1/8	.120	3.06	No. 1/0	No. 1/0	—	No. 4	No. 4
No. 10	9/64	.135	3.43	No. 2/0	No. 2/0	No. 10	No. 3	No. 3
No. 9	5/32	.148	2.77	No. 3/0	No. 3/0	—	No. 2	No. 2
No. 8	5/32	.162	4.12	No. 4/0	No. 4/0	No. 8	No. 1	No. 1
No. 7	11/64	.177	4.50	No. 5/0	No. 5/0	—	No. 1/0	No. 1/0
No. 6	3/16	.192	4.88	No. 6/0	No. 6/0	No. 6	No. 2/0	No. 2/0
No. 5	13/64	.207	5.26	No. 7/0	No. 7/0	No. 5	No. 3/0	No. 3/0
—	7/32	.218	5.56	—	—	—	—	—
No. 4	15/64	.225	5.72	No. 8/0	—	—	No. 4/0	No. 4/0
—	1/4	.250	6.35	—	—	—	No. 5/0	No. 5/0
—	9/32	.281	7.14	—	—	—	No. 6/0	No. 6/0
—	5/16	.312	7.94	—	—	—	No. 7/0	No. 7/0
—	11/32	.343	8.73	—	—	—	—	No. 8/0
—	3/8	.375	9.52	—	—	—	—	No. 9/0
—	13/32	.406	10.32	—	—	—	—	No. 10/0
—	7/16	.437	11.11	—	—	—	—	No. 11/0
—	15/32	.468	11.91	—	—	—	—	No. 12/0
—	17/32	.531	13.49	—	—	—	—	No. 14/0