

INTRODUCING

HERC-ALLOY 1000 Welded Chain Slings

CM's Premium Grade of Alloy Chain Slings

The development of Herc-Alloy 1000 introduces to the Material Handling World a Premium Grade of Alloy Chain that has been developed with the same emphasis on quality, reliability and safety as used in 1935 when CM invented Herc-Alloy Chain, the first alloy chain designed for overhead lifting.

Herc-Alloy 1000 compliments our current line of Herc-Alloy 800 Chain Slings and Fittings.

Meet or exceed existing OSHA, ASTM, and NACM standards:

Working Load Limit

HA1000 has a 25% higher Working Load Limit when compared to Grade 80. (i.e. ½" Grade 80 12,000 lbs. working load limit – ½" HA1000 15,000 lbs. working load limit). This increase in working load limit in some cases will allow for the use of a smaller lighter size chain.

Steel Analysis

Grade selection is proprietary and based on 130 years of Chain making experience which allows us to design our HA1000 for it's demanding applications.

Heat Treatment

The most modern thermal treatment equipment and methods are used to assure the characteristic's required for reliable, long life.

Elongation

Minimum requirement is 20% – One of the most important features required is the ability of a piece of chain to stretch before it breaks, thus absorbing energy.

Fatigue Testing

Simulates the repetitive loading that chains are subjected to when in daily use. Although now a requirement of ASTM, Columbus McKinnon Corporation has been fatigue testing its Herc-Alloy chain for many years.

Identification

All Herc-Alloy 1000 is identified with "HA1000" – "CM USA" and a trace code for easy recognition.

Bend Test

Another quality control process performed on each lot of HA1000 to determine ductility of chain when used around corners.

Chain Finish

Gray coating for distinct, uniform appearance and corrosion resistance.

Attachments Finish

Painted grey for distinct appearance, identification and corrosion resistance.

Extreme Abrasion Resistance

Extends the life of the chain when used as recommended when compared to Grade 80, may result in reduced lifetime costs.

Heat Resistance

No reduction in working load limit while chain temperature is between -20°F and +400°F.

Wear Allowances

No reduction in wear allowances when compared to Grade 80.

Made in U.S.A.

All Herc-Alloy 1000 chain and attachments are manufactured in facilities located in the United States.

100% Proof Tested

Refers to a load in pounds that an item has withstood during a test in which increasing tension is applied to an attachment or straight length of chain

TYPES OF CHAIN SLINGS

In describing the type, the following symbols should be used, if attachments are other than standard, give detailed specifications.

First symbol (basic type):

- S** — Single chain sling.
- C** — Single choker chain sling with a standard end link on each end, no hooks.
- D** — Double branch chain sling.
- T** — Triple branch chain sling.
- Q** — Quadruple branch chain sling.

Second symbol (type of master link or end link):

- O** — Oblong master link of standard dimensions.
- P** — Pear shaped master link (available on request, not a standard item).

Third symbol (type of hook):

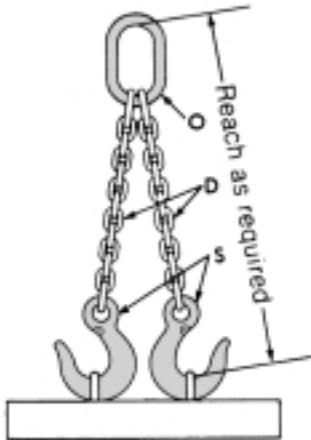
- S** — Sling hook
- G** — Grab hook
- F** — Foundry hook
- L** — Latchlok

Sling tags are coded with numerals 1 through 4 to reflect number of branches in sling. Additional coding is defined as follows:

- AS** — Adjustable single
- ES** — Endless single
- SAL** — Single adjustable loop
- AD** — Adjustable double
- SB** — Single basket
- ED** — Endless double
- DAL** — Double adjustable loop
- DB** — Double basket

HOW TO SELECT AND ORDER THE PROPER CHAIN SLING

1. Determine the weight and configuration of the load(s) to be lifted.
2. Determine the type of chain sling required, according to weight and configuration.
3. Determine the size of the body chain according to the working load limits. Be sure to take into consideration the effect of the required angle. The working load limit is the maximum load in pounds which should ever be applied in direct tension to a straight length of chain.
4. Determine the reach required to give the desired angle. The reach is measured from the upper bearing surface of the master link to the bearing surface of the lower attachment. If chain slings are to be used in pairs and are to be matched for reach, please indicate when ordering.
5. Be sure to specify type, size and reach when ordering chain slings. For specifications on additional hooks, attachments and accessories.



LITTLE MULE CONSTRUCTION PRODUCTS CHAIN SLING GUIDE

Date _____
Customer _____
Customer# _____
Contact Name _____
Email Address _____
Phone Number _____
Fax Number _____
Current Supplier _____
Date Required _____
Quantity Require _____

Type Sling Chain Web Round Wire Rope

Sling Information

Type of load to be lifted _____
Weight of Load _____
Width of Load _____
Height of Load _____
Length of Load _____
Diameter of load _____
Number of pick points _____
Sling Angle Usage _____
Reach of sling _____
Upper Fittings Required _____
Lower Fittings Required _____
Head Room _____

Ambient Conditions

Chemical _____
Temperature in source _____
Time in source _____
Room Temperature _____
Cool Down period _____

Sling Operation

Load Lift
 Pull or Drag
 Transport
 Securement
 Other _____

Other Lifting Equipment used with Sling

Foundry Hook _____
Crane _____
Hoist _____
Lift Truck _____
Trolley _____

Hook Size _____
Hook Size _____
Hook Size _____
Fork Thickness _____
Capacity _____

Sling Type required _____
Single _____
Double _____
Triple Quadruple _____
Basket _____
Endless _____
Chocker _____
Single Adjustable _____
Double Adjustable _____

Style A (no chain)
 Style B (w/ 1 ft chain)