



WEISSALLOY SLING CHAINS

WEISSENFELS

Chain Sling Working Load Limits

GRADE 80							
Chain Diam	Sgl Leg @ 90 degrees	Dbl Leg @30 degrees	Dbl Leg @45 degrees	Dbl Leg @60 degrees	3-4 Leg @30 degrees	3-4 Leg @ 45 degrees	3-4 Leg @ 60 degrees
9/32	3500	3500	4900	6100	5200	7400	9100
5/16	4500	4500	6300	7700	6700	9400	11700
3/8	7100	7100	10000	12300	10600	15100	18400
1/2	12000	12000	17000	20800	18000	25500	31200
5/8	18100	18100	25600	31300	27100	38400	47000
3/4	28300	28300	40000	49000	42400	60000	73500
7/8	34200	34200	48400	59200	51300	72500	88900
1	47700	47700	67400	82600	71500	101200	123900
1-1/4	72300	72300	10200	125200	108400	153400	187800

GRADE 100							
Chain Diam	Sgl Leg @ 90 degrees	Dbl Leg @30 degrees	Dbl Leg @45 degrees	Dbl Leg @60 degrees	3-4 Leg @30 degrees	3-4 Leg @ 45 degrees	3-4 Leg @ 60 degrees
9/32	4300	4300	6100	7400	6450	9100	11200
5/16	5700	5700	7700	9400	8300	11600	14300
3/8	8800	8800	12400	15200	13200	18600	22900
1/2	15000	15000	21200	26000	22500	31800	39000
5/8	22600	22600	32000	39100	33900	47900	58700
3/4	35300	35300	49900	61100	53000	74900	91700

SLING CODES:

Common styles of slings are identified with symbols (SOG, DOS, QOG, Etc) as follows;

First Symbol:

S Single, **D** Double, **T** Triple,
Q Quadruple,
C Single Choker

Second Symbol:

O Oblong Master Link, **P** Pear Shaped Link, **R** Ring

Third Symbol:

S Sling Hook, **G** Grab Hook, **F** Foundry Hook, **SL** Self Locking Hook, **O** Oblong Master Link

Example: "QOS"

Quadruple-Oblong Master-Sling Hooks

Definitions of Commonly Used Terms:

Working Load Limit: The "Working Load Limit" is also commonly abbreviated as "WLL" It is the maximum load in pounds that should ever be applied to a chain or accessories when the load is uniformly applied in direct tension to a straight length of chain.

Proof Test Load: This term describes a specific tensile test that the chain has been subjected to during or subsequent to the process of manufacture. It is the load in pounds at which the chain has been pulled in a direct tension on a straight length of chain using a standard chain testing machine.

How to Order Weissalloy Chain Slings.

1. Determine the maximum load to be lifted.
2. Reach: Decide upon the overall length (bearing to bearing point) you need.
3. Type of Sling: Select the proper type of attachments and sling style from the illustrations in this catalog.
4. Angle to the Load: Estimate the angle to the load between the leg of the sling and the load during lifting.
Note: If the horizontal distance between the chain legs is not greater than the vertical Reach of the Sling (as shown on Sling ID tag) then the angle to the load will be 60° or greater.
5. Choose the chain size that meets your load requirements.