

# HERC-ALLOY® Slings

## 800

### Types of Chain Slings

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

#### First symbol (basic type)

- S** Single chain sling
- C** Single choker chain sling with a standard end link on each end, no hook
- D** Double branch chain sling (2 legs)
- T** Triple branch chain sling (3 legs)
- Q** Quad branch chain sling (4 legs)

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

- O** Oblong master link of standard dimensions

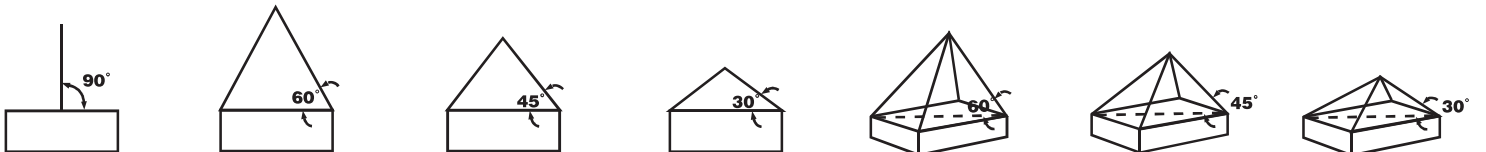
#### Third symbol (type of hook)

- S** Sling hook
- G** Grab hook
- F** Foundry hook
- L** Latchlok 100 hook

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

	Single (1 Leg)	Double (2 Legs)			Triple (3 Legs)			Quad (4 Legs)		
Chain Size	Working Load Limit for Angles Available (shown below)									
	90°	60°	45°	30°	60°	45°	30°	60°	45°	30°
in.	lb.									
7/32	2,100	3,600	3,000	2,100	5,500	4,400	3,200	5,500	4,400	3,200
9/32	3,500	6,100	4,900	3,500	9,100	7,400	5,200	9,100	7,400	5,200
5/16	4,500	7,800	6,400	4,500	11,700	9,500	6,800	11,700	9,500	6,800
3/8	7,100	12,300	10,000	7,100	18,400	15,100	10,600	18,400	15,100	10,600
1/2	12,000	20,800	17,000	12,000	31,200	25,500	18,000	31,200	25,500	18,000
5/8	18,100	31,300	25,600	18,100	47,000	38,400	27,100	47,000	38,400	27,100
3/4	28,300	49,000	40,000	28,300	73,500	60,000	42,400	73,500	60,000	42,400
7/8	34,200	59,200	48,400	34,200	88,900	72,500	51,300	88,900	72,500	51,300
1	47,700	82,600	67,400	47,700	123,900	101,200	71,500	123,900	101,200	71,500
1-1/4	72,300	125,200	102,200	72,300	187,800	153,400	108,400	187,800	153,400	108,400



## Any Sling to fit your application



Magnet Sling



Adjustable Chain Sling

SLING CONFIGURATION	Single Basket	Double Basket	Single Endless	Double Endless
Chain Size	Working Load Limits			
	60°	60°	60°	60°
in.	lb.			
7/32	3,600	5,500	2,100	3,600
9/32	6,100	9,100	3,500	6,100
5/16	7,800	11,700	4,500	7,800
3/8	12,300	18,400	7,100	12,300
1/2	20,800	31,200	12,000	20,800
5/8	31,300	47,000	18,100	31,300
3/4	49,000	73,500	28,300	49,000
7/8	59,200	88,900	34,200	59,200
1	82,600	123,900	47,700	82,600
1-1/4	125,200	187,800	72,300	125,200

# BRIDLE CHAIN SLINGS

## G80 CHAIN SLINGS

- The chain sling will be the best choice if the operation environment is high temperature or a rough surface of the lifted object.
- The chain sling will not stretch if operated under the working load limits, but there is a 17% specific elongation against the breaking load limit.
- Aluminum capacity tag for identification.
- Safety Factor = 4:1**

## SC12-XX-XXXX



### UPPER END FITTING

O=MASTER LINK  
L=CLEVIS HOOK W/LOCK  
S=SLING HOOK W/LATCH  
F=FOUNDRY HOOK  
G=GRAB HOOK  
E=EYE SLIP HOOK  
REFER TO PAGE 104

### LOWER END FITTING

O=MASTER LINK  
L=CLEVIS HOOK W/LOCK  
S=SLING HOOK W/LATCH  
F=FOUNDRY HOOK  
G=GRAB HOOK  
E=EYE SLIP HOOK  
REFER TO PAGE 104

## Single Leg Chain Sling (1)



CHAIN DIA. (INCH)	OBLONG MASTER LINK (INCH)	RATED CAPACITY 90° (LBS)
9/32	1/2	3,500
3/8	3/4	7,100
1/2	1	12,000
5/8	1-1/4	18,100

## Double Leg Chain Sling (2)



CHAIN DIA. (INCH)	OBLONG MASTER LINK (INCH)	RATED CAPACITY 60° (LBS)	RATED CAPACITY 45° (LBS)	RATED CAPACITY 30° (LBS)
9/32	1/2	6,100	4,900	3,500
3/8	3/4	12,300	10,000	7,100
1/2	1	20,800	17,000	12,000
5/8	1-1/4	31,300	25,600	18,100

## Triple Leg Chain Sling (3)



CHAIN DIA. (INCH)	OBLONG MASTER LINK (INCH)	RATED CAPACITY 60° (LBS)	RATED CAPACITY 45° (LBS)	RATED CAPACITY 30° (LBS)
9/32	3/4	9,100	7,400	5,200
3/8	1	18,400	15,100	10,600
1/2	1-1/4	31,200	25,500	18,000
5/8	1-1/2	47,000	38,400	27,100

## Quadruple Leg Chain Sling (4)



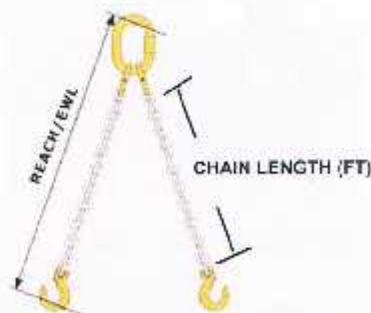
CHAIN DIA. (INCH)	OBLONG MASTER LINK (INCH)	RATED CAPACITY 60° (LBS)	RATED CAPACITY 45° (LBS)	RATED CAPACITY 30° (LBS)
9/32	3/4	9,100	7,400	5,200
3/8	1	18,400	15,100	10,600
1/2	1-1/4	31,200	25,500	18,000
5/8	1-1/2	47,000	38,400	27,100

**WARNING: DO NOT EXCEED RATED CAPACITIES**

## SC93-03-QOLA

ADJUSTABLE QUADRUPLE LEG SLINGS WITH POSITIVE LOCK HOOK  
4-LEGS = 9-3/2" x 36"  
Lower End Fitting = 34102

Rated Capacity of HORIZONTAL ANGLE



### Reach or Effective Working Length (EWL)

The reach of a chain sling is the distance between boating points of the upper and lower terminal fittings. This distance, commonly known as the Effective Working Length should be quoted when ordering slings. Shortening clutches may be fitted to a sling, making the reach adjustable, hence increasing the versatility of the sling.