

## Chain Sling Specification Chart

The use of chain, slings and components are subject to certain hazards that cannot be met by mechanical and or manufacturing means. It is imperative to exercise intelligence, care and common sense while using chain slings. Coordinated Wire Rope is your source for quality, safety and service for any and all rigging products.

- ❑ **Sling use is subject to the Occupational Safety and Health Administration (OSHA 29 CFR 1910.184) and American Society of Mechanical Engineers (ASME B30.9) safety standards, requiring the sling users to conduct safe working practices and perform documented regular inspections.**
- ❑ **Do not exceed the working load limit (WLL) of the sling or any component.**
- ❑ **Chemically active environments may adversely affect chain slings. Do not use in highly acidic or caustic environments. Coordinated should be contacted if slings will be exposed to chemically active environments.**
- ❑ **High and low temperatures will affect chain slings. Coordinated should be contacted if temperatures below -20°F (29°C) will be experienced.**
- ❑ **Never field weld or repair a chain sling. Chain slings should only be repaired by a qualified repair facility.**
- ❑ **Be aware that lifting with chain on an angle, like any sling, can result in reduced capacity and a increased Load Angle Factor.**

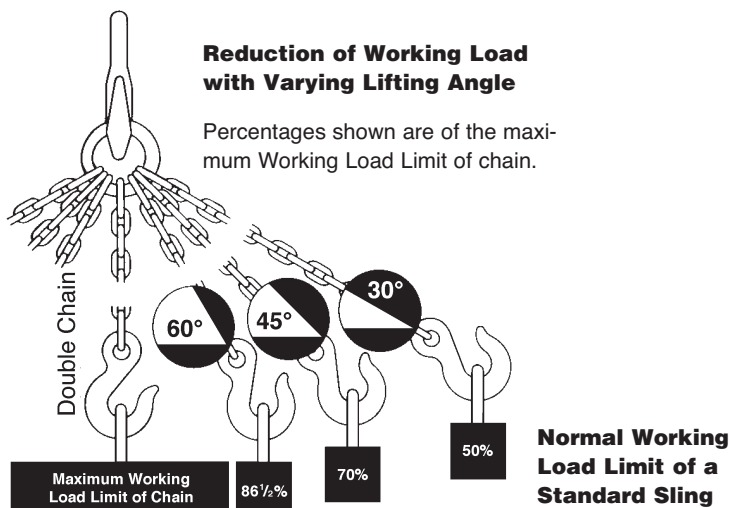


OSHA and ASME standards require users to conduct frequent and periodic inspections. A visual inspection should be performed prior to each use. Periodic inspection which includes a complete link by link and component inspection of each sling assembly should be performed at least once annually and the results documented in written records. Please contact Coordinated Wire Rope for any questions regarding proper use, inspection criteria or having slings tested and certified.

**WARNING!** ALWAYS FOLLOW OSHA, ANSI B30.9 AND MANUFACTURERSGUIDELINESWHENUSINGTHESEPRODUCTS.SLINGS CAN FAIL IF DAMAGED, MISUSED OR OVERLOADED. INSPECT BEFORE USE. USE ONLY IF TRAINED AND NEVER EXCEED RATED CAPACITY ON SLING TAG. PROTECT SLING FROM DIRECT CONTACT WITH EDGES AND CORNERS.DEATH OR INJURY CAN OCCUR FROM IMPROPER USE. SLING ANGLES RESULT IN A REDUCTION OF THE CAPACITIES SHOWN ON THE TAG.

## Cam-Alloy Chain Slings

### How Lifting Angles Reduce Working Load Limits of Slings



## Cam-Alloy Chain Specifications

Cam-Alloy steel chain is electrically welded alloy steel embodying the latest manufacturing technology. Alloy provides a superior chain sling with high tensile strength and excellent wear resistance. The following chains meet or exceed all existing OSHA, ANSI, ASME, NACM and ASTM specification requirements.

The Cam-Alloy chain and attachments used in fabricating Campbell chain slings offer a design factor of 4 to 1. System 8 is Campbell's trade name for Grade 80 chain. System 10 is Campbell's trade name for Grade 100 chain.

4

Trade Size	in.	mm	System	Nominal Dimensions (in. and mm)						Drum		Working Load Limit		Feet/ Drum	Lb/ 100ft.	Links/ ft.
				Material Diameter		Inside Dimensions				Cat. No.	UPC No. 020418	lb	kg			
				in.	mm	Length		Width								
				in.	mm	in.	mm									
7/32	5.5	8		.22	6	.69	18	.30	8	0400312	063312	2100	970	800	43	17.5
9/32	7	10		.29	7	.86	22	.41	10	0405212	182204	4300	1950	500	74	13.8
3/8	10	10		.40	10	1.22	31	.57	14	0405412	182211	8800	3990	500	148	10.0
1/2	13	10		.52	13	1.57	40	.75	19	0405512	182228	15,000	6800	300	250	7.8
5/8	16	10		.64	16	1.93	49	.87	22	0405612	182235	22,600	10,250	200	379	6.5
3/4	20	10		.80	20	2.42	61	1.09	28	0405712	182242	35,300	16,000	100	610	4.9
7/8	22	10		.88	22	2.70	69	1.28	31	0405812	063497	42,700	19,400	100	775	4.4
1	26	8		1.00	25	2.80	71	1.40	36	0401612	063510	47,700	21,600	100	965	4.3
1 1/4	32	8		1.25	32	3.50	89	1.75	44	0402012	063534	72,300	32,800	60	1525	3.5

The last digit of the catalog number changes to a 1 if a non-standard quantity is ordered.

### ⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal seria:

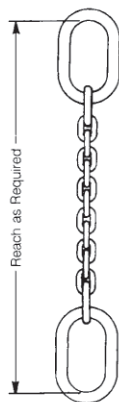
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

### ⚠ WARNING

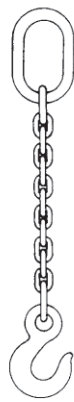
To prevent the possibility of serious bodily injury:

- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

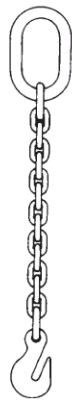
## Cam-Alloy Chain Slings Single Types: S and C



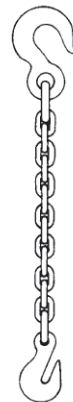
Type CO



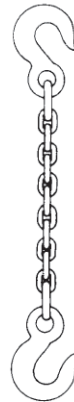
Type SOS



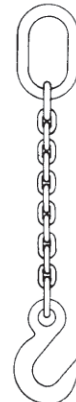
Type SOG



Type SSG



Type SSS



Type SOF

Chain Size	in.	mm	System	Oblong Link						Working Load Limit	
				Nominal Size Material		Inside Dimensions				lb	kg
				in.	mm	Width		Length			
				in.	mm	in.	mm				
7/32	5.5	8	13/32	10	1 1/2	38	3	76	2,100	970	
9/32	7	10	37/64	15	2 1/2	64	5	127	4,300	1,950	
3/8	10	10	13/16	21	3	76	6	152	8,800	4,000	
1/2	13	10	1 1/8	29	4	102	8	203	15,000	6,800	
5/8	16	10	1 1/8	29	4	102	8	203	22,600	10,300	
3/4	20	10	1 1/4	32	4	102	8	203	35,300	16,000	
7/8	22	10	1 5/8	41	5 1/4	133	10 1/2	267	42,700	19,400	
1	26	8	1 7/8	48	6	152	12	305	47,700	21,600	
1 1/4	32	8	2	51	7	178	14	356	72,300	32,800	

Dimensions are approximate.  
Single chain slings are available in other combinations.  
These items are made to order.

### ⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal seria:

- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

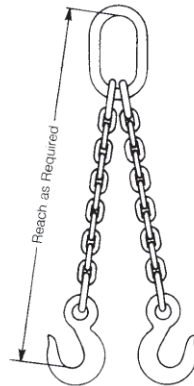
### ⚠ WARNING

To prevent the possibility of serious bodily injury:

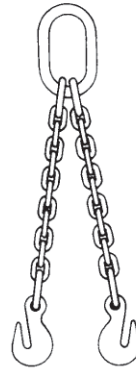
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

# CHAIN SLING & SPECIFICATION

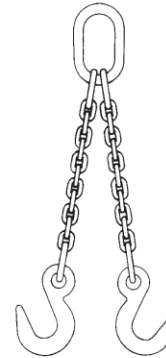
## Cam-Alloy Chain Slings Double Type: D



Type DOS



Type DOG



Type DOF

Chain Size		System	Oblong Master Link							Working Load Limit					
			Nominal Size Material		Inside Dimensions					Double at 60°		Double at 45°		Double at 30°	
					Width		Length			lb	kg	lb	kg	lb	kg
7/32	5.5	8	13/32	10	1 1/2	38	3	76	3,600	1,630	3,000	1,360	2,100	970	
9/32	7	10	37/64	15	2 1/2	64	5	127	7,400	3,400	6,100	2,700	4,300	1,950	
3/8	10	10	13/16	21	3	76	6	152	15,200	6,900	12,400	6,900	8,800	3,990	
1/2	13	10	1 1/8	29	4	102	8	203	26,000	11,800	21,200	9,600	15,000	6,800	
5/8	16	10	1 1/4	32	4	102	8	203	39,100	17,700	32,000	14,500	22,600	10,300	
3/4	20	10	1 5/8	41	5 1/4	133	10 1/2	267	61,100	27,700	49,900	22,600	35,300	16,000	
7/8	22	10	1 7/8	48	6	152	12	305	74,000	33,500	60,400	27,350	42,700	19,400	
1	26	8	2	51	7	178	14	356	82,600	37,900	67,400	31,000	47,700	21,600	
1 1/4	32	8	2 1/4	57	8	203	16	406	125,200	56,800	102,200	46,400	72,300	32,800	

Dimensions are approximate.  
Double chain slings are available in other combinations.  
These items are made to order.

### ⚠️ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal seria:

- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

### ⚠️ WARNING

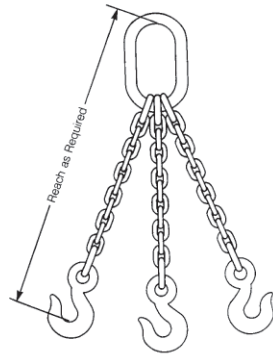
To prevent the possibility of serious bodily injury:

- **DO NOT EXCEED** the working load limits for chain or components.
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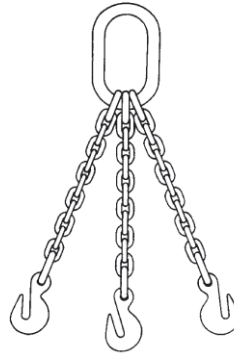


# CHAIN SLING & SPECIFICATION

## Cam-Alloy Chain Slings Triple Type: T



Type TOS



Type TOG

Chain Size	in.	mm	System	Oblong Master Link						Working Load Limit					
				Nominal Size Material		Inside Dimensions				60°		45°		30°	
						in.	mm	Width	Length	lb	kg	lb	kg	lb	kg
7/32	5.5	8	37/64	15	2 1/2	64	5	127	5,450	2,470	4,450	2,020	3,150	1,430	
9/32	7	10	13/16	21	3	76	6	152	11,200	5,100	9,100	4,100	6,450	2,900	
3/8	10	10	1 1/8	29	4	102	8	203	22,800	10,300	18,600	8,400	13,200	6,000	
1/2	13	10	1 1/4	32	4	102	8	203	39,000	17,700	31,800	14,400	22,500	10,200	
5/8	16	10	1 5/8	41	5 1/4	133	10 1/2	267	58,700	26,600	47,900	21,700	33,900	15,400	
3/4	20	10	1 7/8	48	6	152	12	305	91,700	41,600	74,900	34,000	53,000	24,000	
7/8	22	10	2 1/4	57	8	203	16	406	110,900	50,250	90,600	41,050	64,000	29,050	
1	26	8	2 3/4	57	8	203	16	406	123,900	56,900	101,200	46,500	71,500	32,800	
1 1/4	32	8	2 3/4	70	9	229	16	406	187,800	85,200	153,400	69,600	108,400	49,200	

Dimensions are approximate.  
Triple chain slings are available in other combinations.  
These items are made to order.

### ⚠ ADVERTENCIA

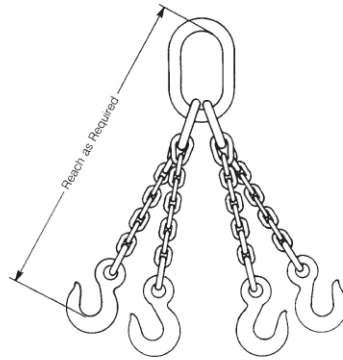
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### ⚠ WARNING

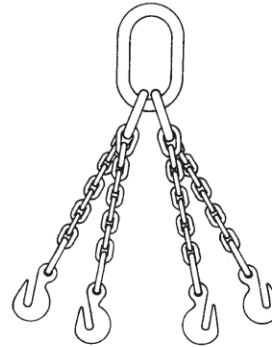
To prevent the possibility of serious bodily injury:  
 • **DO NOT EXCEED** the working load limits for chain or components.  
 • **DO NOT USE** if the chain or components are visibly distorted or worn.

# CHAIN SLING & SPECIFICATION

## Cam-Alloy Chain Slings Quadruple Type: Q



Type QOS



Type QOG

Chain Size in. mm	System	Oblong Master Link				Master Coupling Link				Working Load Limit									
		Nominal Size Material in. mm	Inside Dimensions		Nominal Size Material in. mm	Inside Dimensions		Quad at 60°		Quad at 45°		Quad at 30°							
			Width in. mm	Length in. mm		Width in. mm	Length in. mm	lb	kg	lb	kg	lb	kg						
7/32	5.5 8	37/64	15	2 1/2	64	5	127	13/32	10	1 1/2	38	3	76	5,450	2,470	4,450	2,020	3,150	1,430
9/32	7 10	13/16	21	3	76	6	152	17/32	13	1 1/2	38	2 5/8	67	11,200	5,100	9,100	4,100	6,450	2,900
3/8	10 10	1 1/8	29	4	102	8	203	25/32	20	1 5/8	41	2 7/8	73	22,800	10,300	18,600	8,400	13,200	6,000
1/2	13 10	1 1/4	32	4	102	8	203	1	25	3	76	5	127	39,000	17,700	31,800	14,400	22,500	10,200
5/8	16 10	1 5/8	41	5 1/4	133	10 1/2	267	1 1/4	32	4	102	6	152	58,700	26,600	47,900	21,700	33,900	15,400
3/4	20 10	1 7/8	48	6	152	12	305	1 1/2	38	4	102	6	152	91,700	41,600	74,900	34,000	53,000	24,000
7/8	22 10	2 1/4	57	8	203	16	406	1 3/4	44	4	102	6	152	110,900	50,250	90,600	41,050	64,000	29,050
1	26 8	2 1/4	57	8	203	16	406	1 7/8	48	5	127	7	178	123,900	56,900	101,200	46,500	71,500	32,800
1 1/4	32 8	2 3/4	70	9	229	16	406	2 1/8	54	6	152	9	229	187,800	85,200	153,400	69,600	108,400	49,200

Dimensions are approximate.

Quadruple chain slings are available in other combinations.

**NOTE:** In practice hooks on "Q" slings are in the plane opposite that shown.

† See Oblong Master Link Sub-Assembly for complete dimensions.

These items are made to order.

### ⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal seria:

- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

### ⚠ WARNING

To prevent the possibility of serious bodily injury:

- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.