



# Alloy Chain Sling Working Load Limits

## Grade 80 Alloy Chain Sling Working Load Limits

Chain Size		Single Chain @ 90° (lbs)	Double (D) Chain Slings /Lbs.			Triple (T) & Quadruple (Q) Chain Slings /Lbs.		
(in.)	(mm)							
9/32	7	3,500	6,100	4,900	3,500	9,100	7,400	5,200
3/8	10	7,100	12,300	10,000	7,100	18,400	15,100	10,600
1/2	13	12,000	20,800	17,000	12,000	31,200	25,500	18,000
5/8	16	18,100	31,300	25,600	18,100	47,000	38,400	27,100
3/4	20	28,300	49,000	40,000	28,300	73,500	60,000	42,400
7/8	22	34,200	59,200	48,400	34,200	88,900	72,500	51,300
1	26	47,700	82,600	67,400	47,700	123,900	101,200	71,500
1-1/4	32	72,300	125,200	102,200	72,300	187,800	153,400	108,400

**NOTE: Working Load Limit should not be exceeded.**

CHAIN

## Grade 100 Alloy Chain Sling Working Load Limits

Chain Size		Single Chain @ 90° (lbs)	Double (D) Chain Slings /Lbs.			Triple (T) & Quadruple (Q) Chain Slings /Lbs.		
(in.)	(mm)							
9/32	7	4,300	7,400	6,100	4,300	11,200	9,100	6,400
3/8	10	8,800	15,200	12,400	8,800	22,900	18,700	13,200
1/2	13	15,000	26,000	21,200	15,000	39,000	31,800	22,500
5/8	16	22,600	39,100	32,000	22,600	58,700	47,900	33,900

**NOTE: Working Load Limit should not be exceeded.**

### Caution

**Do not use Grade 80 Fittings with Grade 100 Chain. Do Not Exceed Work Load Limits**

## Grade 80 & Grade 100 Alloy Chain - NACM Specifications

Size		Working Load Limit **		Nominal Material Dia.		Nominal Inside Length		Nominal Inside Width		Maximum Weight	
Grade 80 P8A (mm) & PA8 (in.)*	Grade 100 PA10 (in.)	Grade 80 P8A & PA8 (lbs)	Grade 100 PA10 (lbs)	Grade 80 P8A & PA8 (in.)*	Grade 100 PA10 (in.)	Grade 80 P8A & PA8 (in.)*	Grade 100 PA10 (in.)	Grade 80 P8A & PA8 (in.)*	Grade 100 PA10 (in.)	Grade 80 P8A & PA8 (lbs/100 ft)*	Grade 100 PA10 (lbs/100 ft)
7mm	9/32"	3,500	4,300	0.274	0.279	0.827	0.870	0.405		71.2	77.0
8mm	5/16"	4,500	5,700	0.311	0.342	0.945	1.010	0.480		91.4	112.0
10mm	3/8"	7,100	8,800	0.392	0.404	1.182	1.226	0.560		147.4	152.0
13mm	1/2"	12,000	15,000	0.510	0.529	1.535	1.570	0.750		247.8	278.7
16mm	5/8"	18,100	22,600	0.630	0.625	1.890	1.930	0.865		362.3	374.0
20mm	3/4"	28,300	35,300	0.781	0.821	2.420	2.417	1.140	1.124	574.5	629.3
7/8"	-	34,200	-	0.906	-	2.660	-	1.260	-	766.6	-
1"	-	47,700	-	1.032	-	2.900	-	1.420	-	1,010.0	-
1-1/4"	-	72,300	-	1.25	-	3.500	-	1.750	-	1,550.0	-

\* Grade 80 Alloy Chain sizes up to and including 20mm are stamped "P8A" and sizes 7/8" and above are stamped "PA8".

\*\* CAUTION: Do not exceed Working Load Limits (WLL).

Peerless Chain does not accept liability for damages which may result from chain used in excess of working load limits.

### Note

To determine which chain size and leg style are best suited to your requirements - use the working load limit table as a guide. The table gives the working load limits of 9/32" through 1-1/4" in 1, 2, 3 and 4 leg styles. Determine the maximum load you will lift and the angle of the lift involved. Always select a chain assembly that has a higher working load limit and a lift angle greater than or equal to the desired load and angle. Working Load Limits of the chain and components are established as pounds applied at the indicated degrees from horizontal.



## Single Leg Chain Sling



SOO



SOS or SOSH



SOG



SOF

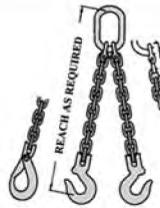
SG  
Plain End

### Single Leg Chain Sling Specifications

Chain Size		Single Chain @ 90° (lbs)		Kuplink	SOS/SOSH Sling Hooks		SOG Grab Hook		SOF Foundry Hook		
(in.)	(mm)	Grade 80	Grade 100		Cut Chain for 5' Reach	Number	Cut Chain for 5' Reach	Number	Cut Chain for 5' Reach	Number	Cut Chain for 5' Reach
9/32	7	3,500	4,300	K-11	3'-9"	K-80	4'-1"	K-72	4'-2"	K-498	4'-0"
3/8	10	7,100	8,800	K-12	3'-8"	K-81	3'-11"	K-73	4'-1"	K-499	3'-11"
1/2	13	12,000	15,000	K-13	3'-10"	K-82	3'-10"	K-75	4'-0"	K-500	3'-10"
5/8	16	18,100	22,600	K-14	3'-1"	K-83	3'-5"	K-76	3'-9"	K-501	3'-4"
3/4	20	28,300	-	K-15	3'-1"	K-84	3'-5"	K-77	3'-5"	K-502	3'-0"
7/8	22	34,200	-	-	2'-0"	K-85	2'-8"	K-78	3'-2"	K-503	2'-8"
1	26	47,700	-	-	2'-2"	K-86*	2'-5"	-	-	-	-

\* K-86 1" Kuplex Sling Hook available only in Grade 63 - Working Load Limit is 35,900 lbs.

## Double Leg Chain Sling



DOS or DOSH



DOG



DOF

### Double Leg Chain Sling Specifications

Chain Size		Double Chain @ 60° (lbs)		Master Links	Kuplok (Gr 80 Only)	Kupler (Gr 80 Only)	DOS/DOSH Sling Hooks		DOG Grab Hooks		DOF Foundry Hooks	
(in.)	(mm)	Grade 80	Grade 100				Number	Cut Chain for 5' Reach	Number	Cut Chain for 5' Reach	Number	Cut Chain for 5' Reach
9/32	7	6,100	7,400	K-1	9/32	K-20	K-80	4'-1"	K-72	4'-2"	K-498	4'-0"
3/8	10	12,300	15,200	K-2	3/8	K-21	K-81	3'-11"	K-73	4'-1"	K-499	3'-11"
1/2	13	20,800	26,000	K-3	1/2	K-22	K-82	3'-9"	K-75	3'-11"	K-500	3'-8"
5/8	16	31,300	39,100	K-4	5/8	K-23	K-83	3'-3"	K-76	3'-8"	K-501	3'-3"
3/4	20	49,000	-	K-5	3/4	K-24	K-84	2'-10"	K-77	3'-3"	K-502	2'-10"
7/8	22	59,200	-	K-6	-	K-25	K-85	2'-8"	K-78	3'-2"	K-503	2'-8"
1	26	82,600	-	2x7x14	-	-	K-86	2'-5"	-	-	-	-

### Caution

Do Not Use Grade 80 Fitting with Grade 100 Chain  
Do Not Exceed Work Load Limits

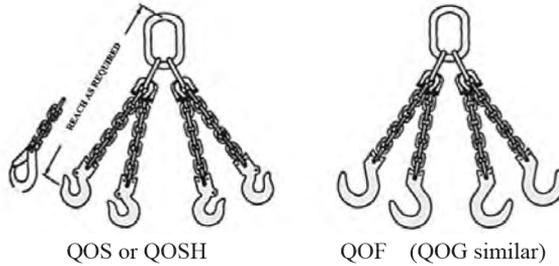
## Triple Leg Chain Sling



### Triple Leg Chain Sling Specifications

Chain Size		Triple Chain @ 60° (lbs)		Quad Master Links	Kuplok (Gr 80 Only)	Kupler (Gr 80 Only)	TOS/TOSH Sling Hooks		TOG Grab Hooks		TOF Foundry Hooks	
(in.)	(mm)	Grade 80	Grade 100				Number	Cut Chain for 5' Reach	Number	Cut Chain for 5' Reach	Number	Cut Chain for 5' Reach
9/32	7	9,100	11,200	9/32	9/32	K-20	K-80	3'-11"	K-72	4'-0"	K-498	3'-10"
3/8	10	18,400	22,900	3/8	3/8	K-21	K-81	3'-6"	K-73	3'-10"	K-499	3'-6"
1/2	13	31,200	39,000	1/2	1/2	K-22	K-82	3'-4"	K-75	3'-6"	K-500	3'-4"
5/8	16	47,000	58,700	5/8	5/8	K-23	K-83	2'-9"	K-76	2'-9"	K-501	2'-9"
3/4	20	73,500	-	3/4	3/4	K-24	K-84	2'-3"	K-77	2'-7"	K-502	2'-8"
7/8	22	88,900	-	7/8	-	K-25	K-85	2'-0"	K-78	2'-5"	K-503	2'-4"
1	26	123,900	-	1	-	-	K-86	1'-3"	-	-	-	-

## Quadruple Leg Chain Sling



### Quadruple Leg Chain Sling Specifications

Chain Size		Quadruple Chain @ 60° (lbs)		Quad Master Links	Kuplok	Kupler	QOS/QOSH Sling Hooks		QOG Grab Hooks		QOF Foundry Hooks	
(in.)	(mm)	Grade 80	Grade 100				Number	Cut Chain for 5' Reach	Number	Cut Chain for 5' Reach	Number	Cut Chain for 5' Reach
9/32	7	9,100	11,200	9/32	9/32	K-20	K-80	3'-11"	K-72	4'-0"	K-498	3'-10"
3/8	10	18,400	22,900	3/8	3/8	K-21	K-81	3'-6"	K-73	3'-10"	K-499	3'-6"
1/2	13	31,200	39,000	1/2	1/2	K-22	K-82	3'-4"	K-75	3'-6"	K-500	3'-4"
5/8	16	47,000	58,700	5/8	5/8	K-23	K-83	2'-9"	K-76	2'-9"	K-501	2'-9"
3/4	20	73,500	-	3/4	3/4	K-24	K-84	2'-3"	K-77	2'-7"	K-502	2'-8"
7/8	22	88,900	-	7/8	-	K-25	K-85	2'-0"	K-78	2'-5"	K-503	2'-4"
1	26	123,900	-	1	-	-	K-86	1'-3"	-	-	-	-

### Caution

**Do not use Grade 80 Fittings with Grade 100 Chain  
Do Not Exceed Work Load Limits**



## Adjustable Chain Slings



SOS-A



SOS-B

Chain slings may be used for lifting various odd sized loads by the use of assemblies where the length of the sling lengths are adjustable. This may eliminate the need for additional assemblies when the use of anyone is infrequent.

Short adjuster lengths with grab hooks are added. Style "A" the grab hook is connected directly to the Master Link. Style "B" a short piece of chain is used to connect the grab hook and the Master Link.

Work Load Limits are the same as assemblies without the adjuster legs.



DOS-A



DOS-B