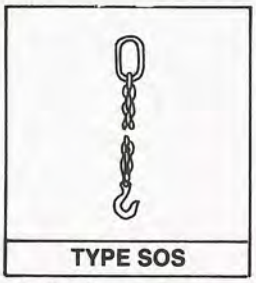
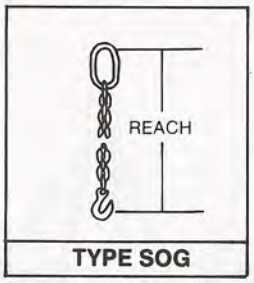
WELDED ALLOY CHAIN SLINGS

1-1/2" Chain size or larger: Price on application.
Other styles available.



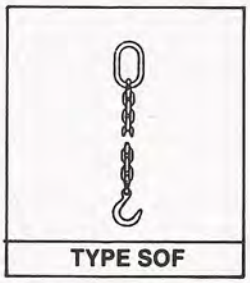
TYPE SOS

Single sling chain with oblong master link and sling hook.



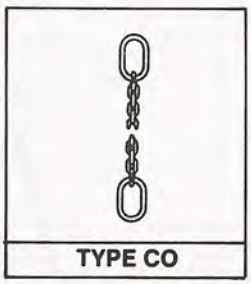
TYPE SOG

Single sling chain with oblong master link and grab hook.



TYPE SOF

Single sling chain with oblong master link and foundry hook.



TYPE CO

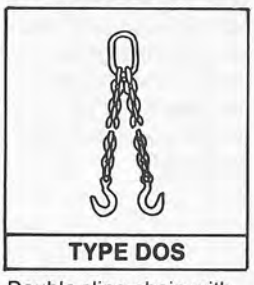
Single sling chain with oblong master link on each end.

TYPE SGS

Single sling chain with grab hook on one end and sling hook on other end.

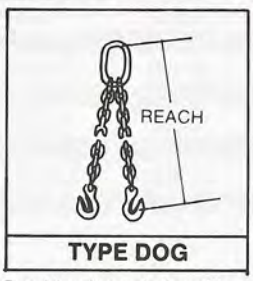
CHAIN SIZE (ins.)	WELDED OBLONG MASTER LINK† (ins.) A	B	C	CAT. NO.	SLING HOOK SIZE	GRAB HOOK SIZE	FDRY. HOOK SIZE	WORKING LOAD LIMIT (lbs.)
.25	.50	2.50	5	OM-1	.25	.25	.25	3500
.37	.75	3	6	OM-3	.38	.38	.38	7100
.50	1	4	8	OM-4	.50	.50	.50	12100
.62	1.25	4.37	8.75	OM-5	.63	.63	.63	18000

CHAIN SIZE (ins.)	WELDED OBLONG MASTER LINK† (ins.) A	B	C	CAT. NO.	SLING HOOK SIZE	GRAB HOOK SIZE	FDRY. HOOK SIZE	WORKING LOAD LIMIT (lbs.)
.75	1.50	5.25	10.5	OM-6	.75	.75	.75	28250
.88	1.75	6	12	OM-7	.88	.88	.88	34000
1	2	7	14	OM-8	1	1	1	38750
1.25	2.25	8	16	OM-9	1.25	1.25	1.25	57500



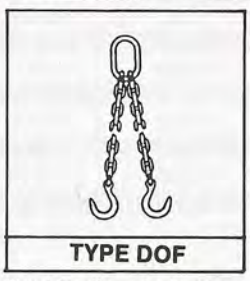
TYPE DOS

Double sling chain with oblong master link and sling hooks.



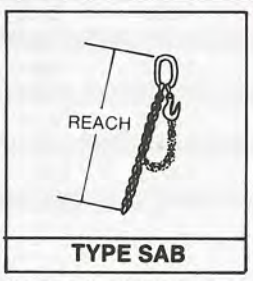
TYPE DOG

Double sling chain with oblong master link and grab hooks.



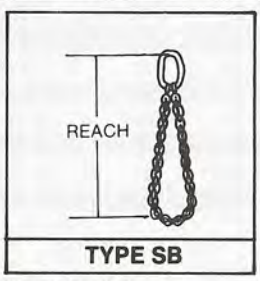
TYPE DOF

Double sling chain with oblong master link and foundry hooks.



TYPE SAB

Single adjustable loop style "B".

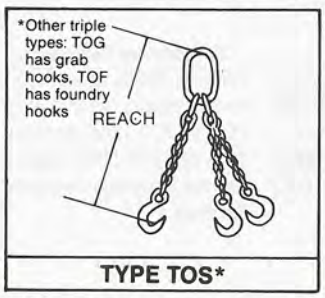


TYPE SB

Single basket.

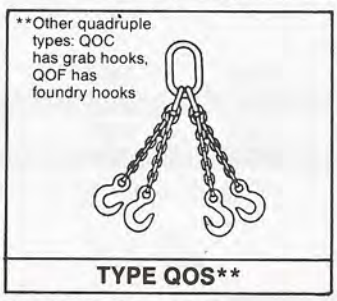
CHAIN SIZE (ins.)	WELDED OBLONG MASTER LINK† (ins.) A	B	C	CAT. NO.	SLING HOOK SIZE	GRAB HOOK SIZE	FDRY. HOOK SIZE	WORKING LOAD LIMIT AT 60° (lbs.)
.25	.50	2.5	5	OM-1	.25	.25	.25	6100
.38	.75	3	6	OM-3	.38	.38	.38	12300
.50	1	4	8	OM-4	.50	.50	.50	20800
.63	1.25	4.37	8.75	OM-5	.63	.63	.63	31300

CHAIN SIZE (ins.)	WELDED OBLONG MASTER LINK† (ins.) A	B	C	CAT. NO.	SLING HOOK SIZE	GRAB HOOK SIZE	FDRY. HOOK SIZE	WORKING LOAD LIMIT AT 60° (lbs.)
.75	1.50	5.25	10.50	OM-6	.75	.75	.75	49000
.87	1.75	6	12	OM-7	.87	.87	.87	59000
1	2	7	14	OM-8	1	1	1	67000
1.25	2.25	8	16	OM-9	1.25	1.25	1.25	99500



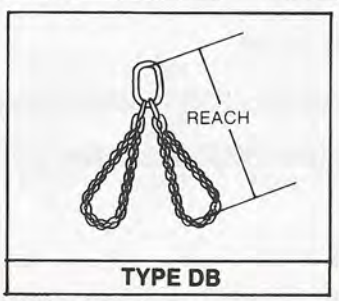
TYPE TOS*

Triple sling chain with oblong master link and sling hooks.



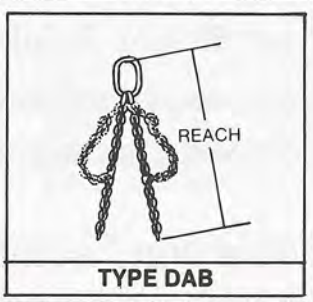
TYPE QOS**

Quadruple sling chain with oblong master link and sling hooks.



TYPE DB

Double basket.



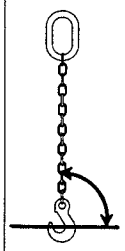
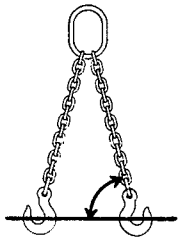
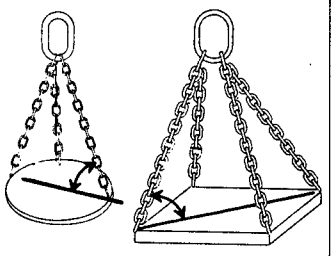
TYPE DAB

Double adjustable loop style "B".

CHAIN SIZE (ins.)	OBLONG MASTER LINK SUB-ASSEMBLY: OBLONG MASTER LINK (ins.) A	B	C	MASTER COUPLING LINK (ins.) D	E	F	SLING HOOK SIZE	GRAB HOOK SIZE	FDRY. HOOK SIZE	WORKING LOAD LIMIT AT 60° (lbs.)
.25	.50	2.50	5	.37	.87	1.50	.25	.25	.25	9100
.37	.75	3	6	.50	1.25	2	.37	.37	.37	18500
.50	1	4	8	.68	1.50	2.50	.50	.50	.50	31200
.62	1.25	4.37	8.75	.81	1.75	3	.62	.62	.62	47000

CHAIN SIZE (ins.)	OBLONG MASTER LINK SUB-ASSEMBLY: OBLONG MASTER LINK (ins.) A	B	C	MASTER COUPLING LINK (ins.) D	E	F	SLING HOOK SIZE	GRAB HOOK SIZE	FDRY. HOOK SIZE	WORKING LOAD LIMIT AT 60° (lbs.)
.75	1.50	5.25	10.5	.94	2	3.50	.75	.75	.75	73500
.88	1.75	6	12	1.06	2.25	4	.88	.88	.88	89000
1	2	7	14	1.25	3	5.25	1	1	1	101000
1.25	2.25	8	16	1.50	3.50	6.25	1.25	1.25	1.25	149000

Maximum Work Load of Various Chain Sling Applications

Design factor	1-leg slings	2-leg slings			3-leg slings and 4-leg slings		
4:1							
Angle	**90 degrees**	**30 degrees**	**45 degrees**	**60 degrees**	**30 degrees**	**45 degrees**	**60 degrees**
Load Factor	**1**	**1**	**1.4**	**1.7**	**1.5**	**2.1**	**2.6**

Grade 80 Alloy

Chain	diameter	Working Load Limit in Lbs.						
Ni 5	3/16 (7/32)	1800	1800	2500	3100	2700	3800	4700
Ni 7	9/32	3500	3500	4900	6000	5200	7300	9100
Ni 8	5/16	4500	4500	6300	7600	6700	9400	11600
Ni 10	3/8	7100	7100	10000	12100	10600	14900	18500
Ni 13	1/2	12000	12000	16800	20400	18000	25200	31200
Ni 16	5/8	18100	18100	25400	31000	27100	38000	47000
Ni 19	3/4	25300	25300	35400	43000	38000	53100	65800
Ni 22	7/8	34200	34200	48000	58200	51300	72000	88900
Ni 26	1	47700	47700	66800	81100	71600	100200	124000
Ni 32	1-1/4	72300	72300	101300	123000	108500	152000	165300

Temperature Resistance

Retains 100% of work load limit at minus 40-390 degrees F, 90% at 390-570 degrees F, and 75% at 570-750 degrees F. Not for temperatures over 750 degrees F.

Grade 100 Alloy

Ni 50	3/16 (7/32)	2200	2200	3100	3800	3300	4700	5800
Ni 70	9/32	4300	4300	6000	7300	6500	9000	11200
Ni 80	5/16	5700	5700	8000	9700	8500	12000	14800
Ni 100	3/8	8800	8800	12400	15000	13200	18500	22900
Ni 130	1/2	15000	15000	21000	25500	22500	31500	39000
Ni 160	5/8	22600	22600	31600	38400	33900	47500	58800
Ni 190	3/4	31600	31600	44300	53800	47400	66400	82200
Ni 220	7/8	42700	42700	59800	72600	64000	89700	111000

Temperature Resistance

Retains 100% of work load limit at minus 40-300 degrees F, and 80% at 300-390 degrees F. Not for temperatures over 390 degrees F.

Grade 50 316L Stainless Steel

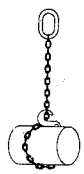
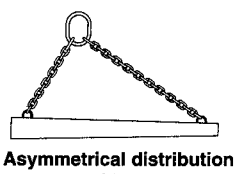
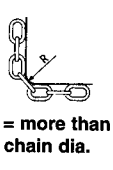
Nik 5	3/16 (7/32)	1100	1100	1600	1900	1700	2300	2900
Nik 7	9/32	2200	2200	3100	3800	3300	4600	5700
Nik 10	3/8	4400	4400	6200	7500	6600	9300	11500
Nik 13	1/2	7100	7100	10000	12100	10700	14900	18500
Nik 16	5/8	11000	11000	15600	18700	16500	23100	23100

Temperature Resistance

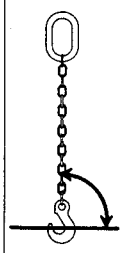
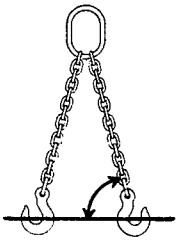
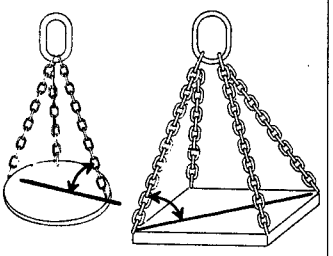
Retains 100% of work load limit at minus 50-750 degrees F, 75% at 750-1100 degrees F, and 50% at 1100-1290 degrees F. Not for temperatures over 1290 degrees F.

Reduction Factors

to be used for various slinging methods and conditions without shock loads

Load factor	0.8	2	1.6	1.6	0.7	1	0.7	0.5
								
					Asymmetrical distribution of load	R = more than 2 x chain dia.	R = more than chain dia.	Sharp corners

Maximum Work Load of Various Chain Sling Applications

Design factor	1-leg slings	2-leg slings			3-leg slings and 4-leg slings		
4:1							
Angle	**90 degrees**	**30 degrees**	**45 degrees**	**60 degrees**	**30 degrees**	**45 degrees**	**60 degrees**
Load Factor	**1**	**1**	**1.4**	**1.7**	**1.5**	**2.1**	**2.6**

Grade 80 Alloy

Chain	diameter	Working Load Limit in Lbs.							Temperature Resistance
Ni 5	3/16 (7/32)	1800	1800	2500	3100	2700	3800	4700	Retains 100% of work load limit at minus 40-390 degrees F, 90% at 390-570 degrees F, and 75% at 570-750 degrees F. Not for temperatures over 750 degrees F.
Ni 7	9/32	3500	3500	4900	6000	5200	7300	9100	
Ni 8	5/16	4500	4500	6300	7600	6700	9400	11600	
Ni 10	3/8	7100	7100	10000	12100	10600	14900	18500	
Ni 13	1/2	12000	12000	16800	20400	18000	25200	31200	
Ni 16	5/8	18100	18100	25400	31000	27100	38000	47000	
Ni 19	3/4	25300	25300	35400	43000	38000	53100	65800	
Ni 22	7/8	34200	34200	48000	58200	51300	72000	88900	
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Grade 100 Alloy

									Temperature Resistance
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Ni 80	5/16	5700	5700	8000	9700	8500	12000	14800	
Ni 100	3/8	8800	8800	12400	15000	13200	18500	22900	
Ni 130	1/2	15000	15000	21000	25500	22500	31500	39000	
Ni 160	5/8	22600	22600	31600	38400	33900	47500	58800	
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									Temperature Resistance
Nik 5	3/16 (7/32)	1100	1100	1600	1900	1700	2300	2900	Retains 100% of work load limit at minus 50-750 degrees F, 75% at 750-1100 degrees F, and 50% at 1100-1290 degrees F. Not for temperatures over 1290 degrees F.
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Reduction Factors

to be used for various slinging methods and conditions without shock loads

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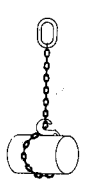
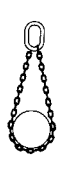
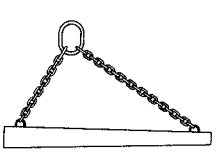
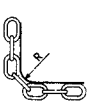
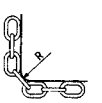
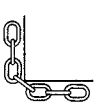
					 Asymmetrical distribution of load	 R = more than 2 x chain dia.	 R = more than chain dia.	 Sharp corners