

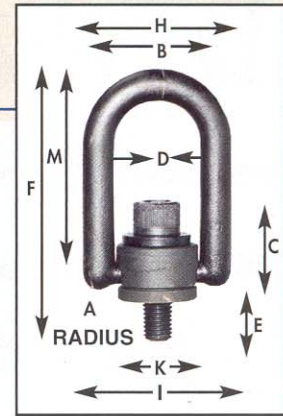
# SLINGS & RINGS

## American Heavy Duty Hoist Rings

- Use hoist rings for added lifting safety.
- These swivel hoist rings maintain their load capacity when loads are at various angles.

Hoist rings pivot and swivel to compensate for pitch, roll and sway when lifting unbalanced loads. Side or angular pulling forces can cause eyebolts to twist, bend or break when heavy, angular, unbalanced loads are involved. Hoist rings replace conventional eyebolts for maximum lift in a wide range variety of applications. Range of movement — pivot 180°, swivel 360°. Tough and durable... destructive testing by outside independent laboratories. Minimum safety factor 5:1. 100% magnetic particle inspected. Specified and used in nuclear energy equipment. Meets Military Specification N. MIL-STD 1365(11) or MIL-STD 209C. Meets OSHA standards. FOB Shipping Point.

For sizes 30,000 to 100,000 lbs., metric sizes, stainless steel, and non-standard bolt sizes, please call for a factory quotation.



Product No.	Rated Load (lbs.)	A	B	C	D	E	F	G	K	Torque Load Ft./lb.	M	Wt. (lbs.)
H33312	1000	0.65	2.29	0.96	0.44	0.56	3.23	3/16	1.25	12	1.45	0.56
H33515	2500	1.00	3.50	1.50	0.75	1.00	5.31	1/2-13	1.89	28	2.56	1.72
H33614	4000	1.00	3.50	1.50	0.75	1.00	5.31	3/8-11	1.89	60	2.44	1.78
H33714	5000	1.00	3.50	1.50	0.75	1.00	5.31	3/8-10	1.89	100	2.31	1.89
H33102	7000	1.40	5.10	2.05	1.00	1.20	7.00	3/8-10	2.81	100	3.20	7.23
H33105	10000	1.40	5.10	2.05	1.00	1.45	7.00	1-8	2.81	230	2.95	7.57
H33401	15000	2.00	6.75	2.87	1.25	2.63	9.22	1 1/2-7	2.88	470	3.74	16.00
H33424	24000	2.00	6.75	2.87	1.25	2.63	9.22	1 1/2-6	2.88	800	3.49	18.10

## Alloy Steel CHAIN SLINGS

- Grade 80 — lift heavy loads with complete safety and confidence.
- Recommended by OSHA for overhead lifting.

Constructed from the best quality alloy steel. Chain and components are proof tested to twice the capacities listed. Available in single leg slings for basic lifting and 2 leg slings for applications requiring stability and control. FOB Shipping Point.

- SOG Single chain grab hook/oval link.
- SOS Single chain sling hook/oval link..
- SGS Single chain sling hook/grab hook.
- SGG Single chain grab hook/grab hook.
- DOS Double chain/sling hook.
- DOG Double chain/grab hook.



Product No.	SINGLE LEG - GRADE 80		
	Chain Size	Working Load Limit 90°	Link Size
HAZ932SOG	3/8"	3500	1/2 x 2 1/2 x 5"
HBZ932SOS	3/8"	3500	1/2 x 2 1/2 x 5"
HCZ932SGG	3/8"	3500	1/2 x 2 1/2 x 5"
HDZ932SGS	3/8"	3500	1/2 x 2 1/2 x 5"
HAZ380SOG	3/8"	7100	3/4 x 2 1/2 x 5"
HBZ380SOS	3/8"	7100	3/4 x 2 1/2 x 5"
HCZ380SGG	3/8"	7100	3/4 x 2 1/2 x 5"
HDZ380SGS	3/8"	7100	3/4 x 2 1/2 x 5"

Product No.	Chain Dia.	Link Size	DOUBLE LEG - GRADE 80		
			Working Load Limit* 60°	Working Load Limit* 45°	Working Load Limit* 30°
HCZ732DOS	3/8"	1 1/2 x 1 1/2 x 3"	3600	3000	2100
HDZ732DOG	3/8"	1 1/2 x 1 1/2 x 3"	3600	3000	2100
HCZ932DOS	3/8"	1/2 x 2 1/2 x 5"	6100	4900	3500
HDZ932DOG	3/8"	1/2 x 2 1/2 x 5"	6100	4900	3500
HCZ380DOG	3/8"	3/4 x 2 1/2 x 5 1/2"	12300	10000	7100
HDZ380DOS	3/8"	3/4 x 2 1/2 x 5 1/2"	12300	10000	7100
HCZ120DOS	1/2"	1 x 3 1/2 x 7"	20800	17000	12000
HDZ120DOG	1/2"	1 x 3 1/2 x 7"	20800	17000	12000

\*Working load limits should not be exceeded.

## Vertical Lifting Locking

- FR Series vertical lifting tool is ideal for relatively light work.
- Small and easy to handle in capacities through three tons.
- Incorporated a "Locked Closed" feature which facilitates attaching the clamp to the plate. FOB Shipping Point.



Product No.	Rated Capacity Tons	LIFTING CLAMPS MODEL FR										Wt. (lbs.)
		Plate Thickness A	B	C	D	MAX. E	F	G	H	I		
HFR1/2	1/2	0-3/8"	2 3/8"	7"	11 1/2"	2 3/8"	4 1/2"	2 1/2"	1 1/2"	1/2"	8	
HFR1	1	0-3/8"	3 3/8"	9"	13 3/8"	2 3/8"	5 1/2"	3 3/8"	1 3/8"	3/8"	14	
HFR2	2	0-1"	3 1/2"	9"	16 3/8"	3 3/8"	6 1/2"	3 3/8"	2 1/8"	3/8"	23	
HFR3	3	0-1 1/4"	4 3/8"	10 3/8"	18 3/8"	3 3/8"	7 1/2"	3 3/8"	2 1/8"	3/8"	30	

## Wire Rope Slings

- Delivers extra strength and sturdiness for those tough loads.
- Superior construction for long-wearing use.

Flexible and efficient. Mechanically spliced for high capacity ratings. Meets OSHA standards. Please specify length and fittings. FOB Shipping Point.



Standard Eye & Eye



Product No.	Rope Dia.	TWO LEGGED WIRE ROPE BRIDLE SLINGS		
		Pear Link Size	Vertical	Choker
H04071213	1/2"	1/2 x 3 x 1 x 2"	0.56	0.42
H06071213	3/8"	3/4 x 4 1/2 x 1 1/2 x 3"	1.2	0.93
H08071213	1/2"	1 x 6 x 2 x 4"	2.2	1.6
H10071213	5/8"	1 1/4 x 7 1/4 x 2 1/2 x 5"	3.4	2.6
H12071213	3/4"	1 1/2 x 8 1/4 x 2 1/2 x 5 1/2"	4.9	3.6

Product No.	Rope Dia.	Eye Size W x L	STANDARD EYE AND EYE		
			Cap. Tons Vertical	Choker	Vertical Basket
H04071113	1/2"	2 x 4"	0.56	0.42	0.41
H06071113	3/8"	3 x 6"	1.2	0.93	0.92
H08071113	1/2"	4 x 8"	2.2	1.6	4.4
H10071113	5/8"	5 x 10"	3.4	2.6	2.5
H12071113	3/4"	6 x 12"	4.9	3.6	9.7