

Swivel Hoist Ring

Color coded to distinguish between UNC (Red) and Metric (Silver) thread types.

U.S. Patent 5,352,056



HR-125 M



Load Rated



Fatigue Rated



HR-125

- Available in UNC and Metric thread sizes.
 - UNC threads available in sizes from 800 pounds to 100,000 pounds Working Load Limit, with a design factor of 5 to 1.
 - Metric threads available in sizes from 400kg to 16,900kg and dual rated in both a 4 to 1 and 5 to 1 design factor.
- All Components are Alloy Steel - Quenched and Tempered.
- Rated at 100% at 90° angle.
- 100% individually proof tested to 2-1/2 times the Working Load Limit with certification and Statistically Magnetic Particle inspected. (Can be furnished 100% Magnetic Particle inspected when requested at time of order.)
- Each product has a Product Identification Code (PIC) for material traceability along with a Working Load Limit and the name Crosby or "CG" stamped into it.
- Meets or exceeds all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these hoist rings meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- 360° swivel and 180° pivot action.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Individually packaged along with proper application instructions and warning information.
- Bolt is secured with E-clip, threads are grooved. This method allows for easy disassembly and assembly of hoist ring for thorough examination of all components. Replacement kits are available.
- Bolts are individually Proof Tested.
- Multiple Bolt length available to meet specific application requirements.
- Zinc Plated (Yellow Chromate) finish for increased corrosion protection thru 30,000 pounds size.



Scan this QR code with your smart device to view our Eye Bolts & Hoist Rings video.

UNC Swivel Hoist Rings

Load Rated Fatigue Rated CE

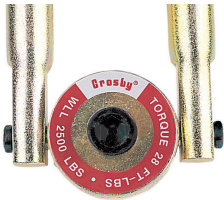


SEE APPLICATION AND WARNING INFORMATION

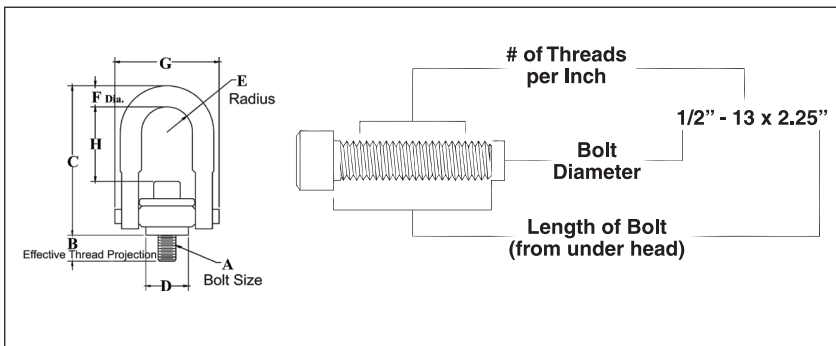
Para Español: www.thecrosbygroup.com

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HR-125



- Top washer has the following features:
 - The Working Load Limit and Recommended Torque value are permanently stamped into each washer.
 - Washer is color coded for easy identification: Red - UNC thread.
- Individually Proof Tested to 2-1/2 times Working Load Limit.
- Bolt specification is an Alloy socket head cap screw to ASTM A 574.
- All threads listed are UNC. Illustration shows meaning of each dimension given.
- **BOLT SIZE IDENTIFICATION:** The size of the bolt will be stated as in the drawing below.
- NOTE: For Special Applications, see page 473.
- Frame 2 and larger are **RFID EQUIPPED**.



HR-125 UNC Threads

Frame Size No.	HR-125 Stock No.	Working Load Limit (lbs.)*	Torque in Ft. Lbs.	Bolt Size A ‡ (in.)	Dimensions (mm)								Weight Each (kg.)
					Effective Thread Projection Length B	C	D	Radius E	Diameter F	G	H		
1 †	1016887	800	7	5/16 - 18 x 1.50	14.7	69.1	24.6	11.7	8.60	47.5	28.4	.17	
1 †	1016898	1000	12	3/8 - 16 x 1.50	14.7	69.1	24.6	11.7	8.60	47.5	26.7	.18	
2	1016909	2500	28	1/2 - 13 x 2.00	17.8	123	49.8	22.1	19.0	85.1	58.2	1.06	
2 †	1016912	2500	28	1/2 - 13 x 2.50	30.5	123	49.8	22.1	19.0	85.1	58.2	1.07	
2	1016920	4000	60	5/8 - 11 x 2.00	17.8	123	49.8	22.1	19.0	85.1	54.9	1.09	
2 †	1016924	4000	60	5/8 - 11 x 2.75	36.8	123	49.8	22.1	19.0	85.1	54.9	1.12	
2	1016931	5000	100	3/4 - 10 x 2.25	24.1	123	49.8	22.1	19.0	85.1	51.8	1.14	
2 †	1016935	5000	100	3/4 - 10 x 2.75	36.8	123	49.8	22.1	19.0	85.1	51.8	1.17	
3	1016942	7000 **	100	3/4 - 10 x 2.75	22.6	167	75.2	34.5	23.9	124	75.4	3.05	
3 †	1016946	7000 **	100	3/4 - 10 x 3.50	41.7	167	75.2	34.5	23.9	124	75.4	3.09	
3	1016953	8000	160	7/8 - 9 x 2.75	22.6	167	75.2	34.5	23.9	124	72.1	3.10	
3 †	1016957	8000	160	7/8 - 9 x 3.50	41.7	167	75.2	34.5	23.9	124	72.1	3.16	
3	1016964	10000	230	1 - 8 x 3.00	29.0	167	75.2	34.5	23.9	124	69.1	3.22	
3 †	1016969	10000	230	1 - 8 x 4.00	54.4	167	75.2	34.5	23.9	124	69.1	3.32	
4	1016975	15000	470	1-1/4 - 7 x 4.50	56.1	221	94.2	44.5	30.2	157	99.8	6.58	
5	1016986	24000	800	1-1/2 - 6 x 6.50	3.0	315	120	60.7	44.5	215	143	17.1	
5	1016997	30000	1100	2 - 4-1/2 x 6.50	3.0	315	120	60.7	44.5	215	131	18.5	
6	1017001	50000	2100	2-1/2 - 4 x 8.0	102	429	146	76.2	57.2	279	204	39.9	
7	1017005	75000	4300	3 - 4 x 10.5	127	495	184	95.3	69.9	360	216	75.3	
8	1017009	100000	5100	3-1/2 - 4 x 13.0 #	178	561	197	102	82.6	404	236	120	

Ultimate Load is 5 times the Working Load Limit.

** Ultimate Load is 4.5 times the Working Load Limit for 7000# Hoist Ring when tested in 90 degree orientation.

† Long Bolts are designed to be used with soft metal (i.e., aluminum) workpiece. While the long bolts may also be used with ferrous metal (i.e., steel & iron) workpiece, short bolts are designed for ferrous workpieces only.

‡ Bolt specification is an Alloy socket head cap screw to ASTM A 574.

Hex head bolt used on Frame 8 (100,000lb.) Hoist Ring.

Metric Swivel Hoist Rings

Load Rated Fatigue Rated CE

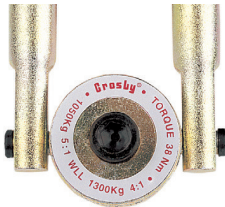


SEE APPLICATION AND WARNING INFORMATION

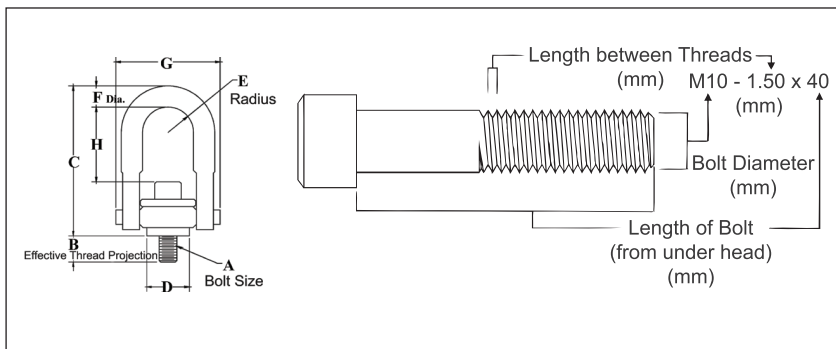
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On Pages 206-208

HR-125M



- Top washer has the following features:
 - The Working Load Limit and Recommended Torque value are permanently stamped into each washer.
 - Washer is color coded for easy identification: Silver - Metric thread.
- Individually Proof Tested to 2-1/2 times Working Load Limit.
- Bolt specification is a Grade 12.9 Alloy socket head cap screw to Din 912. All threads listed are metric (ASME/ANSI B18.3.1m).
- Designed to be used with ferrous workpiece only.
- **BOLT SIZE IDENTIFICATION:** The size of the bolt will be stated as in the drawing below. Illustration shows meaning of each dimension given.
- NOTE: For Special Applications, see page 473.
- Frame 2 and larger **RFID EQUIPPED**.



HR-125M Metric Threads

Frame Size No.	HR-125M Stock No.	Working Load Limit (kg)		Torque in Nm*	Dimensions (mm)								Weight Each (kg)
		At a 5:1 Design Factor †	At a 4:1 Design Factor †		Bolt Size (A) ‡	Effective Thread Length (B)	C	D	Radius E	Diameter F	G	H	
1	1016602	400	500	10	M8 X 1.25 X 40	16.9	69.9	24.6	11.8	8.5	47.5	29.9	.17
1	1016613	450	550	16	M10 X 1.50 X 40	16.9	69.9	24.6	11.8	8.5	47.5	28.1	.18
2	1016624	1050	1300	38	M12 X 1.75 X 50	16.9	123	49.8	22.3	17.5	85.1	60.4	1.05
2	1016635	1900	2400	81	M16 X 2.00 X 60	26.9	123	49.8	22.3	17.5	85.1	56.3	1.11
2	1016644	2150	2700	136	M20 X 2.50 X 65	31.9	123	49.8	22.3	17.5	85.1	52.3	1.17
3	1016657	3000	3750	136	M20 X 2.50 X 75	27.8	167	75.2	34.7	25.4	124	76.6	3.09
3	1016668	4200	5250	312	M24 X 3.00 X 80	32.8	167	75.2	34.7	25.4	124	70.5	3.21
4	1016679	7000	8750	637	M30 X 3.50 X 120	61.7	222	94.2	44.5	30.5	157	102	6.53
5	1016690	11000	13750	1005	M36 X 4.00 X 150	54.0	318	120	60.7	44.5	215	142	16.8
5	1016701	12500	15600	1005	M42 X 4.50 X 160	64.0	318	120	60.7	44.5	215	136	17.4
5	1016712	13500	16900	1350	M48 X 5.00 X 160	74.0	318	120	60.7	44.5	215	130	18.0

*The tightening torque values shown are based upon threads being clean, dry and free of lubrication.

† Individually proof loaded to 2-1/2 times the Working Load Limit based on the 4:1 design factor.

‡ Bolt specification is a Grade 12.9 Alloy socket head cap screw to Din 912. All threads are metric (ASME/ANSI B18.3.1m).

Rigging Accessories