



Choose the HR-1000CT for versatile and dependable material handling in extreme conditions.

Such as subsea and other salt water environments.

Like our standard Heavy Lift hoist rings, the forged bail provides greater durability in potentially abusive environments. In addition, the design of the new HR1000CT "COLD TUFF" hoist rings, which are suitable for use to -50° F (-45° C), includes the following features which provide the assurance you require when making lifts in extreme conditions.



HR-1000CT & HR-1000MCT Features:

- All components are produced with a maximum hardness of 34 HRC.
- All load bearing components have Charpy impact testing.
 - The body, bushing, washer and bail meet impact requirements of 31 ft-lbs. (42 joules) at -4° F (-20° C).
 - The bolt meets impact requirements of 20 ft-lbs. (27 joules) at -150° F (-101° C).
- Components are zinc coated utilizing a thermal diffusion galvanizing process for improved corrosion resistance.
- Available in imperial and metric sizes.

Additional Features:

- All load bearing components are heat treated, Quenched and Tempered alloy steel.
- Individually Magnetic Particle Inspected with certification.
- Individually Proof Tested to 2 times the Working Load Limit.
- Frame 2 and larger are RFID EQUIPPED



**Bishop Lifting
Products, Inc.**

www.Lifting.com



Heavy Lift Swivel Hoist Rings

Load Rated



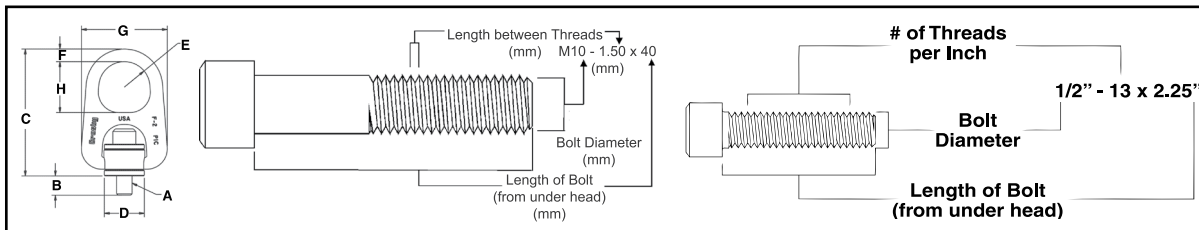
**SEE APPLICATION AND
WARNING INFORMATION**

www.thecrosbygroup.com

HR-1000CT



- All load bearing components are heat treated, Quenched & Tempered® alloy steel.
- All components, with the exception of the retaining ring, are produced with maximum material hardness of 34 HRC.
- Individually Mag inspected with certification.
- Forged bail provides the following:
 - The name Crosby or "CG" and PIC Code.
 - Larger opening than standard Hoist Ring bail.
- Top washer is color coded for easy identification (blue for UNC threads and grey for Metric threads)
- The Working Load Limit and Recommended Torque value are permanently stamped into each washer.
- Individually Proof Tested to 2 times Working Load Limit (90° and in-line).
- Available in both UNC Thread and Metric Thread style.
- **NOTE:** For Special Applications, see page 432 of the Crosby General Catalog.
- Frame 2 and larger are **RFID EQUIPPED**.
- Individually serialized.
- 100% MPI all primary load bearing components.
- Coating: Thermo-diffusion galvanized.
- Optional bolt sizes available upon request.
- DNV 2.7-1 Type Approved.



HR-1000CT UNC Threads (Imperial)

Frame Size No.	HR-1000CT Stock No.	Working Load Limit (lbs.)*	Torque in Ft. Lbs	Dimensions (in.)								Weight Each (lbs.)
				Bolt Size A ‡	Eff. Thread Projection Length B	C	D	Radius E	Diameter F	G	H	
2	6608103	1900	28	1/2 - 13 x 2.25	0.70	6.32	1.96	1.25	0.75	4.20	2.50	3
2	6608112	1900	28	1/2 - 13 x 2.75	1.20	6.32	1.96	1.25	0.75	4.20	2.50	3
2	6608121	3000	60	5/8 - 11 x 2.25	0.70	6.32	1.96	1.25	0.75	4.20	2.50	3
3	6608130	4800	100	3/4 - 10 x 3.00	0.85	8.59	2.96	1.63	1.00	6.25	3.25	11
3	6608139	6200	160	7/8 - 9 x 3.00	0.85	8.59	2.96	1.63	1.00	6.25	3.25	11
3	6608148	8300	230	1 - 8 x 3.50	1.35	8.59	2.96	1.63	1.00	6.25	3.25	11
4	6608149	12500	470	1 1/4 - 7 x 5.00	2.10	11.31	3.71	2.00	1.44	8.13	4.00	24
4	6607669	20000	800	1 1/2 - 6 x 5.50	2.60	11.31	3.71	2.00	1.44	8.13	4.00	27
4	6607727	20000	800	1 1/2 - 8 x 5.50	2.60	11.31	3.71	2.00	1.44	8.13	4.00	27
5	6607670	28000	1100	2 - 4.5 x 7.50	3.20	15.15	4.00	2.69	1.75	11.64	5.00	69
6	6607671	45000	2100	2 1/2 - 4 x 9.50	3.73	19.93	5.75	3.00	2.75	14.47	5.62	157

HR-1000MCT Threads (Metric)

Frame Size No.	HR-1000MCT Stock No.	Working Load Limit (kg)		Torque (Nm)	Bolt Size A ±	Dimensions (mm)							Mass Each (kg)
		Design Factor 5:1*	Design Factor 4:1*			Eff. Thread Projection Length B	C	D	Radius E	Diameter F	G	H	
2	6630058	825	1,030	38	M 12 x 1.75 x 55	15.6	160.6	49.7	31.8	19.1	106.7	63.5	1
2	6630059	1,350	1,690	81	M 16 x 2.00 x 65	25.5	160.6	49.7	31.8	19.1	106.7	63.5	1
3	6630060	2,250	2,810	136	M 20 x 2.50 x 80	25.3	218.2	75.1	41.4	25.4	158.8	82.6	5
3	6630061	3,175	3,970	312	M 24 x 3.00 x 90	35.4	218.2	75.1	41.4	25.4	158.8	82.6	5
4	6630062	5,450	6,810	637	M 30 x 3.50 x 140	65.9	287.3	94.1	50.8	36.6	206.5	101.6	11
4	6630063	7,450	9,310	1,005	M 36 x 4.00 x 130	56.3	287.3	94.1	50.8	36.6	206.5	101.6	12
5	6630064	13,250	16,560	1,350	M 48 x 5.00 x 180	50.7	384.9	101.6	68.3	44.5	295.6	127.0	30

*Ultimate Load is 5 times the Working Load Limit.

‡ Bolt specification is an Alloy socket head cap screw to ASTM A320 Grade L7 or L43.

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