

HA Offshore Swivel Hoist Ring (UNC)

The HA offshore swivel hoist ring (UNC) is a bolt-on load attachment product specifically designed for the lifting and handling of loads in extreme, corrosive environments. It can rotate 360° around the bolt axis, as well as pivot 180°, allowing the hoist ring to orientate to the appropriate angle of lift, mitigating the risk of damage. The HA offshore swivel hoist ring (UNC) is suitable for both top and side mounting, and maintains its full working load limit even when pulled at 90°.

Standards: designed and manufactured in accordance with EN1677-1, ASME B30.26 and NORSOK R-002. L7 bolts manufactured in accordance with ASTM320/A320. Sherardised in accordance with BSEN ISO 17668:2016.

Product sizes: available in sizes 1/2” to 2-1/2” with working load limits from 2200 lbs to 44550 lbs.

Material and hardness: all load bearing components are manufactured from alloy steel, quenched and tempered. The swivel hoist ring body and bail feature a maximum hardness range of 35 - 40 HRC, whilst the L7 bolts feature a maximum material hardness of 32 HRC.

Zinc sherardised: the swivel hoist ring body, bail, and L7 bolt are zinc sherardised, delivering optimal corrosion resistance.

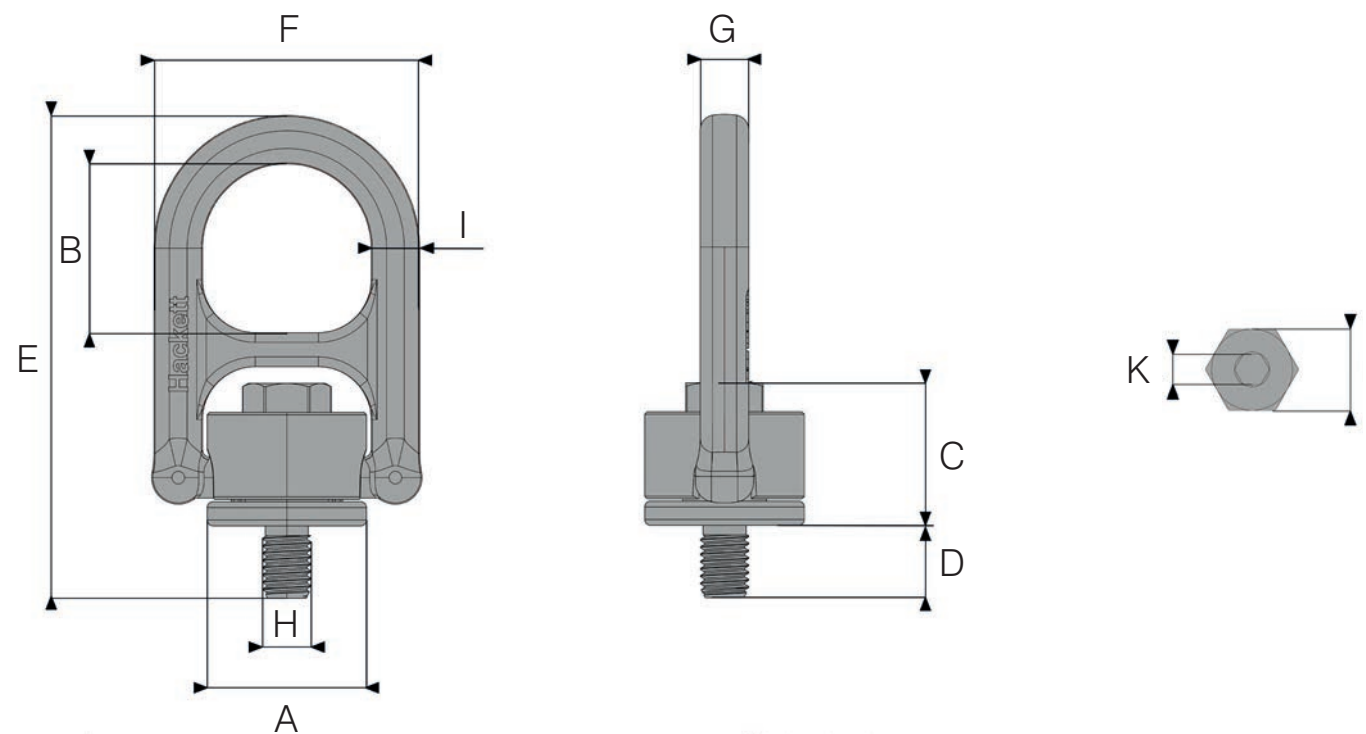
Temperature: operational temperature range of -40°C to +200°C without reduction in working load limit.

Testing: load rated parts are subject to 100% magnaflux crack detection following heat treatment. HA offshore swivel hoist rings are proof tested to 2.5 times working load limit, and fatigue rated to 20,000 cycles at 1.5 times working load limit.

Average impact energy (Charpy): 27 Joules minimum impact resistance at -101°C (for L7 bolts) and 42 Joules minimum impact resistance at -20°C (for swivel hoist ring body and bail).

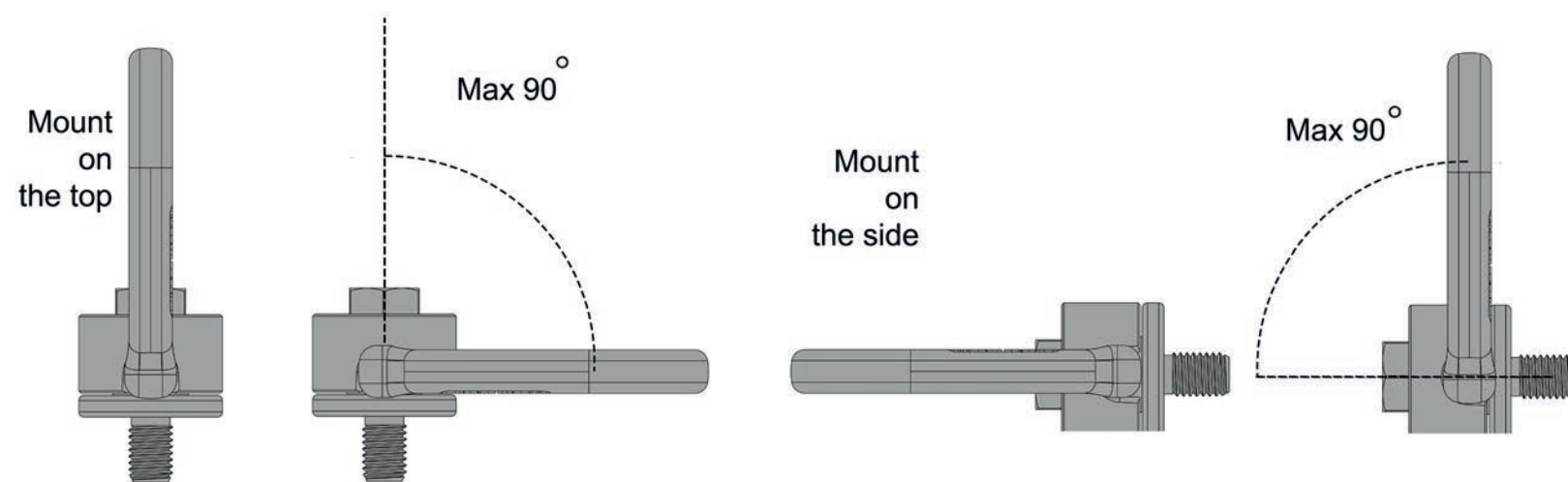
Extended bolts: available upon request.

Safety factor: 4 : 1.



Specifications

PART CODE	WLL lbs	THREAD inch	A inch	B inch	C inch	D inch	E inch	F inch	G inch	H inch	I inch	J inch	K inch	L inch	TORQUE Nm	MASS lbs
OS-H20-UNC12G	2200	1/2"	1.97	2.17	1.85	0.79	5.16	3.23	0.51	0.50	0.55	2.13	0.39	0.94	100	2.20
OS-H20-UNC16G	3960	5/8"	1.97	2.17	1.85	0.94	6.10	3.23	0.51	0.62	0.55	2.13	0.39	0.94	150	2.20
OS-H20-UNC20G	5940	3/4"	2.56	2.60	2.30	1.18	7.60	4.13	0.63	0.75	0.71	2.72	0.47	1.18	250	4.41
OS-H20-UNC22G	7425	7/8"	2.56	2.60	2.30	1.42	7.83	4.13	0.63	0.88	0.71	2.72	0.55	1.42	300	4.63
OS-H20-UNC26G	9900	1"	2.56	2.60	2.30	1.42	7.83	4.13	0.63	1.00	0.71	2.72	0.55	1.42	400	4.63
OS-H20-UNC32G	15480	1-1/4"	3.43	3.15	3.25	1.89	10.49	5.71	0.98	1.25	1.06	3.58	0.67	1.81	500	13.23
OS-H20-UNC36G	24750	1-1/2"	4.33	3.94	3.70	2.44	12.58	7.32	1.30	1.50	1.06	3.46	0.75	2.76	800	26.46
OS-H20-UNC48G	39680	2"	4.33	3.94	3.86	2.99	13.03	7.32	1.30	2.00	1.89	3.46	0.75	2.76	800	27.34
OS-H20-UNC56G	43560	2-1/4"	4.84	4.33	4.33	3.31	14.29	7.83	1.38	2.25	2.20	3.82	0.75	3.15	800	36.38
OS-H20-UNC64G	44550	2-1/2"	4.48	4.33	4.33	3.74	14.72	7.83	1.38	2.50	2.52	3.82	0.75	3.15	800	37.48



										
NUMBER OF LEGS	1	2	1	2	2	2	3-4	3-4		
Load Direction	0°	0°	90°	90°	0-45°	45-60°	unsym	0-45°	45-60°	unsym

PART CODE	THREAD	WLL (in lbs) BY LIFTING APPLICATION									
OS-H20-UNC12G	1/2"	2200	4400	2200	4400	3080	2200	2200	4620	3300	2200
OS-H20-UNC16G	5/8"	3960	7920	3940	7920	5544	3960	3960	8316	5940	3960
OS-H20-UNC20G	3/4"	5940	11880	5940	11880	8316	5940	5940	12474	8910	5940
OS-H20-UNC22G	7/8"	7425	14850	7425	14850	10395	7425	7425	15592	11137	7425
OS-H20-UNC26G	1"	9900	19800	9900	19800	13860	9900	9900	20790	14850	9900
OS-H20-UNC30G	1-1/4"	15480	30960	15480	30960	21672	15480	15480	32508	23220	15480
OS-H20-UNC36G	1-1/2"	24750	49500	24750	49500	34650	24750	24750	51975	37125	24750
OS-H20-UNC48G	2"	39600	79200	39600	79200	55440	39600	39600	83160	59400	39600
OS-H20-UNC56G	2-1/4"	43560	87120	43560	87120	60984	43560	43560	91476	65340	43560
OS-H20-UNC64G	2-1/2"	44550	89100	44550	89100	62370	44550	44550	93555	66825	44550