

# Offshore Swivel Hoist Ring

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- Manufactured and tested in accordance with EN1677-1**
- Meet or exceed all the requirements of ASME B30.26**
- L7 bolts manufactured to ASTM320/A320**
- L7 bolts sheradised in accordance with BSEN ISO 17668:2016**

The William Hackett offshore swivel hoist ring has been designed for use in the harshest of environments. SUPPLIED FROM STOCK IN THE UK.

- Manufactured and tested in accordance with EN1677-1
- All swivel hoist rings meet or exceed all the requirements of ASME B30.26
- All load bearing components are manufactured from alloy steel and quenched and tempered
- Design factor 4:1
- All load rated components are magnaflux crack detected
- Proof tested to 2.5 times the working load limit

## **MATERIAL ATTRIBUTES**

- L7 bolts maximum material hardness 32 HRc
- Swivel hoist ring body and bail maximum material hardness 35-40 HRc
- L7 bolts are charpy impact tested to 20 ft-lbs min. avg. at -150F
- Body and bail are charpy impact tested to 31ft-lbs min. avg. at -4F
- L7 bolts supplied with inspection certificate - BSEN10204/3.1
- 100% MPI on all primary load bearing components

## **SURFACE COATING**

- Swivel hoist ring body and bail: Geomet
- L7 bolt: sheradised - BSEN ISO 17668: 2016

## **SHERADISED TECHNOLOGY**

The sheradising process is where a component is treated with a metallurgical zinc vapour diffusion for enhanced corrosion resistance and is commonly performed in a slowly rotating container to form sherardised layers.

## **BENEFITS OF SHERADISED TECHNOLOGY**

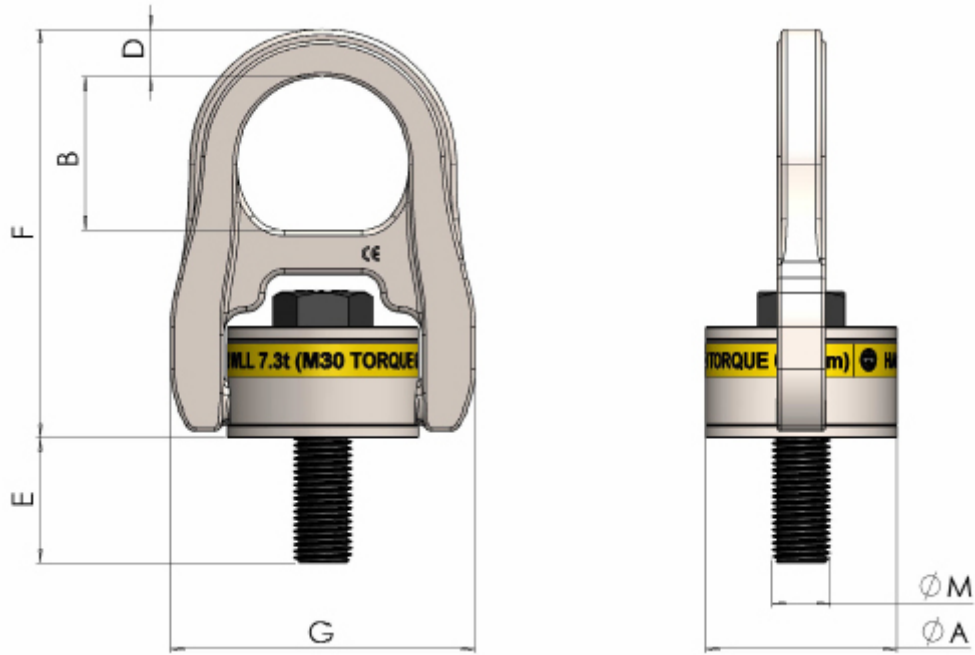
- **Non-interference with metallurgical properties:** The low temperature application of the coating process does not have any effect on the hardness.
- **Zero risk of hydrogen embrittlement:** Many coating processes such as galvanizing and electroplating bring with them the risk of embrittlement. This advanced technology poses a zero risk of hydrogen embrittlement.
- **Corrosion Protection:** The zinc-iron alloy coating provides corrosion protection and resistance to pitting.
- **Excellent bonding surface and spark free:** The zinc layer is spark free providing an excellent bonding surface ideal for further coating.
- **Abrasion resistant:** An abrasive resistant coating which on average is greater than or equal to 15µ thickness.
- **Environmentally friendly process:** The zinc vapour thermal diffusion process is environmentally friendly (a non-toxic, heavy metal free process).
- **Non-destructive testing:** None-interference with non-destructive test methods such as Eddy current and magnetic particle testing.

## **OPTIONAL FEATURES**

- Extended bolts and UNC threads on application.



# DIMENSIONAL SPECIFICATIONS



Part Code	Thread M	A mm	B mm	D mm	E mm	F mm	G mm	WLL t SF 4:1	MPF kN	BF kN	Torque Nm	Mass kg
OS-203-010	M12 x 1.75	65	58	15	15	158	105	1.05	25.75	41.20	38	1.7
OS-203-018	M16 x 2	65	58	15	20	158	105	1.80	44.15	70.63	81	1.8
OS-203-024	M20 x 2.5	65	58	15	25	158	105	2.40	58.86	94.18	136	1.8
OS-203-040	M24 x 3	85	73	22	26	204	134	4.00	98.10	156.96	312	4.2
OS-203-073	M30 x 3.5	100	80	25	81	214	160	7.30	179.03	286.45	637	6.6
OS-203-100	M36 x 4	120	111	36	76	305	220	10.00	245.25	392.40	1005	15.0
OS-203-142	M42 x 4.5	120	111	36	65	305	220	14.20	348.26	557.21	1005	16.0
OS-203-155	M48 x 5	120	111	36	70	305	220	15.50	380.14	608.22	1350	16.0