

Eye Bolt - Rotatable Body - Duplex D6 Stainless Steel



MARKINGS

- [CARTEC] : Manufacturer label
- [CE] : CE markings in compliance with the Machinery Directive 2006/42/EC
- [..t] : Maximum load that can be used in tons (for ex. 2.5 t)
- [→] : Loading direction pull at 90°
- [1/D] : raceability batch
- [] : Made in Italy
- [6] : Grade 60

FORESEEN USE

Anchor Point WITH HIGH RESISTANCE TO CORROSION FOR LIFTING LOADS

CANNOT BE USED TO LIFT PEOPLE

“CE conformity declaration”
(Machinery Directive 2006/42/EC all. IIA)

We declare that all the material specified in the present declaration are in compliance with all the dispositions related to the Directive 2006/42/EC

Working Load Limit W.L.L. (t)

Item code	Size											Max. tightening couple Nm
		Single leg 0°	2 legs 0°	Single leg 90°	2 legs 90°	0-45°	45-60°	asimmm.	0-45°	45-60°	asimmm.	
DX-EB-M12	M12	1,2	2,4	0,5	1	0,7	0,5	0,5	1,05	0,75	0,5	25
DX-EB-M16	M16	2,4	4,8	1	2	1,4	1	1	2,1	1,5	1	60
DX-EB-M20	M20	3,6	6,2	2	4	2,8	2	2	4,2	3	2	110
DX-EB-M24	M24	5,2	10,4	2,5	5	3,5	2,5	2,5	5,3	3,75	2,5	195

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CHECK SUITABILITY OF ROTATING EYEBOLTS H.Q. ART.X807HT BEFORE USE AND YEARLY

Before using each time make sure that:

- The eyebolt and its entire component including the screw do not have defects due to wear, corrosion, cracks or visible deformations
- Markings have to be clearly legible
- The loads to be lifted are in compliance with the loads of the eyebolts (the loads are specified both on the eyebolts and on the user manual)
- The diameter of the ring has not been reduced more than the 10% of the nominal diameter of the ring itself due to wear in one of the points of contact
- The device is screwed tightly into the supporting structure and the eyebolt's body rotates freely

If these checks give a negative outcome, the eyebolt must not be used any more, and must be replaced.

Please remember that:

- Checks have to be carried out by a qualified staff
- As lifting accessories rotating eyebolt H.Q. art 807 HT must undergo checks at regular intervals and scheduled in compliance to the laws in force.
- The rotating eyebolt H.Q. must be fitted by qualified staff of age as it is used for lifting operations which must be carried out in compliance with the Machinery Directive 2006/42/CE and subsequent modifications
- The qualified person must supervise the lifting operation and must always detect the gravity centre of the load and position the eyebolts in order to guarantee that the said load is always balanced
- If the load is asymmetrical take into consideration a decrease of the capacity as shown on the reference chart
- Check suitability of the resistance class of the mother screw which has to house the eyebolt with the ratio of the load to be lifted (the material of the mother screw has to have a traction resistance which is the same or higher than steel S235JR – norm of reference UNI EN10025)
- The depth of the threaded hole has to be minimum
 - 1xd for steel
 - 1.25xd for cast iron
 - 1.5xd for cast iron castings with low resistance (resistance <200 MPa)
 - 2xd for aluminium alloys
 - 2.5xd for aluminium -magnesium alloys
- The threaded hole must be perpendicular to the surface
- Make sure that the surface of the mother screw is suitable for the planarity and dimension in order to guarantee touching of all the surface place of the eyebolt and that it adheres suitably. The eyebolt cannot be used with parts of the tilting surface
- To install the eyebolt simply manually lock the screws with key without the aid of extension leads which could preload the screw with excessive locking (do not exceed locking specified in the chart). To disassemble, unscrew.
- Lock the eyebolt until it fits completely onto the surface
- Once locking has been carried out make sure that the eyebolt rotates freely and correctly
- Once locking has been carried out orient the ring of the device in the direction of the load

Warning the device is not suitable for rotation during loading

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Reasons for capacity reductions

Environment temperature	Reduction
Under -40°C	Not allowed
From -40° C to 280° C	None
Above 280° C	Not allowed

- Safety coefficient 4
- For lifting devices that remain attached to the structure we recommend the part be locked by means of thread brake glue
- On the axial pull there can be variation of $\pm 5^\circ$ with a 10% decrease in the capacity
- The eyebolt can be used safely up to maximum of 20.000 lifts with a full load
- For risky lifting operations safety measures have to be taken for the people who undergo the risk
- If the instructions are not adhered to serious damage can be caused to things and injuries to people
- The documentation has been drawn up in compliance with section 1.7.4.2 of the Machinery Directive 2006/42/EC

NOT ALLOWED

- Do not use eyebolts in acid high corrosion chemical environment and/or in an explosive atmosphere
- Do not use in environment with a temperature higher than 280°C or lower than -40°C
- Do not exceed the capacity specified on the reference chart
- Do not use for operations which differ from the ones that are foreseen
- Do not use locking screws which are larger than the ones specified to assemble the eyebolt
- Do not replace screws and all the original components
- Do not use to lift people
- Do not stand under an overhanging load whilst it is being used
- Do not stand during use in dangerous areas (dangerous areas mean areas which are deemed risky due to falling of load during movement with accessories)
- If changes, repairs and/or treatments are made to the product, the terms of the guarantee are no longer applicable and the manufacturer declines all liability

STORAGE

The device must be stored in a suitable environment (e.g. dry, non-corrosive, etc.)

DISPOSAL

The product packaging must be sent for normal recycling.

The product must be recovered as metal scrap.