### CENTER - PULL HOIST RING

**Safe Mold Lifting at any angle**

**Full 360° Swivel**

**Full 180° Pivot**

### Quality Standards

- All hoist ring assemblies are pull-tested and certified to 200% of rated load capacity and stamped with identifying date code.
- All hoist rings are designed for 5:1 strength factor.
- Finished assembly is black-oxide plated (with the exception of the washer).
- Individual certificate of proof-test accompanies product in final packaging.

### Specifications

- Material: Alloy Steel
- Finish: Black Oxide
- Clevis, Bolt, Pins, Base, Washer and Bushing are magnetic-particle inspected based on ASTM709-80 and MIL-STD-105
- Washer: Gold Iridite
- 200% Proof Tested

### Table of Threads, Loads, Sizes, Cap, and Pricing

<table>
<thead>
<tr>
<th>Thread Size A</th>
<th>Load Cap (lbs)</th>
<th>Part #</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>Torque (ft.-lbs.)</th>
<th>Wt. (lbs.)</th>
<th>Price</th>
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<td>800</td>
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<td>$460.00</td>
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</tbody>
</table>

**Metric sizes available . . . SEE PAGE 205**

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**THRD SIZE** | **LOAD CAP (lbs)** | **PART #** | **B** | **C** | **D** | **E** | **F** | **G** | **TORQUE (ft-lbs.)** | **WT. (lbs.)** | **PRICE**
---|---|---|---|---|---|---|---|---|---|---|---
M8X1.25 | 400 | 23456 | 67.8 | 12.5 | 19 | 10.9 | 9.7 | 46.7 | 1 | 0.17 | $81.00
M10X1.5 | 450 | 23458 | 67.8 | 17.5 | 19 | 10.9 | 9.7 | 46.7 | 1.7 | 0.17 | $81.00
M12X1.75 | 1050 | 23462 | 170 | 19 | 1.50 | 22.4 | 19 | 89.4 | 3.8 | 1.08 | $96.00
M16X20 | 1900 | 23465 | 121.4 | 29 | 1.50 | 22.4 | 19 | 89.4 | 8.2 | 1.12 | $96.00
M20X2.5 | 2150 | 23468 | 121.4 | 34 | 1.50 | 22.4 | 19 | 89.4 | 13.6 | 1.19 | $96.00
M20X2.5 | 3000 | 23471 | 165.6 | 32 | 1.50 | 35.6 | 25.4 | 130.6 | 13.6 | 3.03 | $205.00
M24X3.0 | 4200 | 23474 | 165.6 | 37 | 1.50 | 35.6 | 25.4 | 130.6 | 31 | 3.1 | $205.00
M30X3.5 | 7000 | 23478 | 221.7 | 41.9 | 1.50 | 44.5 | 31.7 | 165.1 | 60 | 6.3 | $349.00
M30X.5 | 7000 | 23479 | 221.7 | 61.7 | 2.31 | 44.5 | 31.7 | 165.1 | 60 | 6.4 | $349.00
M36X4.0 | 11000 | 23483 | 316.7 | 63.5 | 2.31 | 57.2 | 44.4 | 217.2 | 100 | 15.5 | $460.00
M42X4.5 | 12500 | 23484 | 316.7 | 68 | 2.31 | 57.2 | 44.4 | 217.2 | 100 | 16 | $536.00
M48X5.0 | 13500 | 23485 | 316.7 | 82.4 | 3.19 | 57.2 | 44.4 | 217.2 | 100 | 16.8 | $566.00
M64X6.0 | 22500 | 23488 | 419.1 | 101.6 | 4.19 | 76.2 | 57.15 | 297.6 | 209 | 40 | $1468.00

**负载和规格**

**LOAD CAP (lbs)** | **PART #** | **B** | **C** | **D** | **E** | **F** | **G** | **TORQUE (ft-lbs.)** | **WT. (lbs.)** | **PRICE**
---|---|---|---|---|---|---|---|---|---|---
400 | 23456 | 67.8 | 12.5 | 19 | 10.9 | 9.7 | 46.7 | 1 | 0.17 | $81.00
450 | 23458 | 67.8 | 17.5 | 19 | 10.9 | 9.7 | 46.7 | 1.7 | 0.17 | $81.00
1050 | 23462 | 170 | 19 | 1.50 | 22.4 | 19 | 89.4 | 3.8 | 1.08 | $96.00
1900 | 23465 | 121.4 | 29 | 1.50 | 22.4 | 19 | 89.4 | 8.2 | 1.12 | $96.00
2150 | 23468 | 121.4 | 34 | 1.50 | 22.4 | 19 | 89.4 | 13.6 | 1.19 | $96.00
3000 | 23471 | 165.6 | 32 | 1.50 | 35.6 | 25.4 | 130.6 | 13.6 | 3.03 | $205.00
4200 | 23474 | 165.6 | 37 | 1.50 | 35.6 | 25.4 | 130.6 | 31 | 3.1 | $205.00
7000 | 23478 | 221.7 | 41.9 | 1.50 | 44.5 | 31.7 | 165.1 | 60 | 6.3 | $349.00
7000 | 23479 | 221.7 | 61.7 | 2.31 | 44.5 | 31.7 | 165.1 | 60 | 6.4 | $349.00
11000 | 23483 | 316.7 | 63.5 | 2.31 | 57.2 | 44.4 | 217.2 | 100 | 15.5 | $460.00
12500 | 23484 | 316.7 | 68 | 2.31 | 57.2 | 44.4 | 217.2 | 100 | 16 | $536.00
13500 | 23485 | 316.7 | 82.4 | 3.19 | 57.2 | 44.4 | 217.2 | 100 | 16.8 | $566.00
22500 | 23488 | 419.1 | 101.6 | 4.19 | 76.2 | 57.15 | 297.6 | 209 | 40 | $1468.00

**质量标准**

- 所有吊环组件均经过拉力测试，并根据200%的额定载荷能力进行认证，并在日期编码上进行标记。
- 所有吊环设计具有5:1的安全系数。
- 完成的组装经过黑氧化处理（除垫圈外）。
- 单个证明书将与最终包装的产品一起提供。

**特殊性**

- 材料：4140
- 完成：黑氧化
- 挤压，螺栓，销子，基座，垫圈和衬套均经磁粉检验，基于ASTM709-80和MIL-STD-105。
- 垫圈：镀锌银
- 200%的拉力测试。
Tamper Resistant SWIVEL EYEBOLT

Installs permanently on your mold to help ensure safe lifting

Special Installation Tool required – helps prevent unauthorized removal

The same advantages and specifications as our Center-Pull Hoist Ring, but Tamper resistant

### Swivel Eyebolt Specifications

<table>
<thead>
<tr>
<th>PART #</th>
<th>Torque ft. lbs.</th>
<th>Load Capacity (lbs)</th>
<th>Thread Size</th>
<th>in Inches (unless specified)</th>
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<td>B</td>
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### Pricing

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<table>
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Select the proper Hoist Ring for the job. Do not attempt to apply more than the rated capacity. The load capacity is stamped on the Hoist Ring.

Drill and tap the workpiece so the hoist ring bolt is installed perpendicular to the surface of the workpiece. Countersink the tapped hole to prevent "swelling" of the top thread when the hoist ring bolt is torqued. The workpiece surface must be flat, providing complete contact for the hoist ring bushing.

Do not use spacers between the hoist ring bushing and the workpiece surface.

When installing in soft metal, such as aluminum, the minimum effective thread engagement should be two times the diameter of the thread.

Always tighten the bolt to the proper torque value, which is stamped on the Hoist Ring.

The belt might loosen during use. Re-tightening the bolt to the required torque must be done whenever it loosens. The proper tightening torque is stamped on the Hoist Ring.

When lifting, apply force gradually. DO NOT APPLY SHOCK LOADS.