

OMEGA HOIST RIG

Part No. 70-180

INSTALLATION INSTRUCTIONS

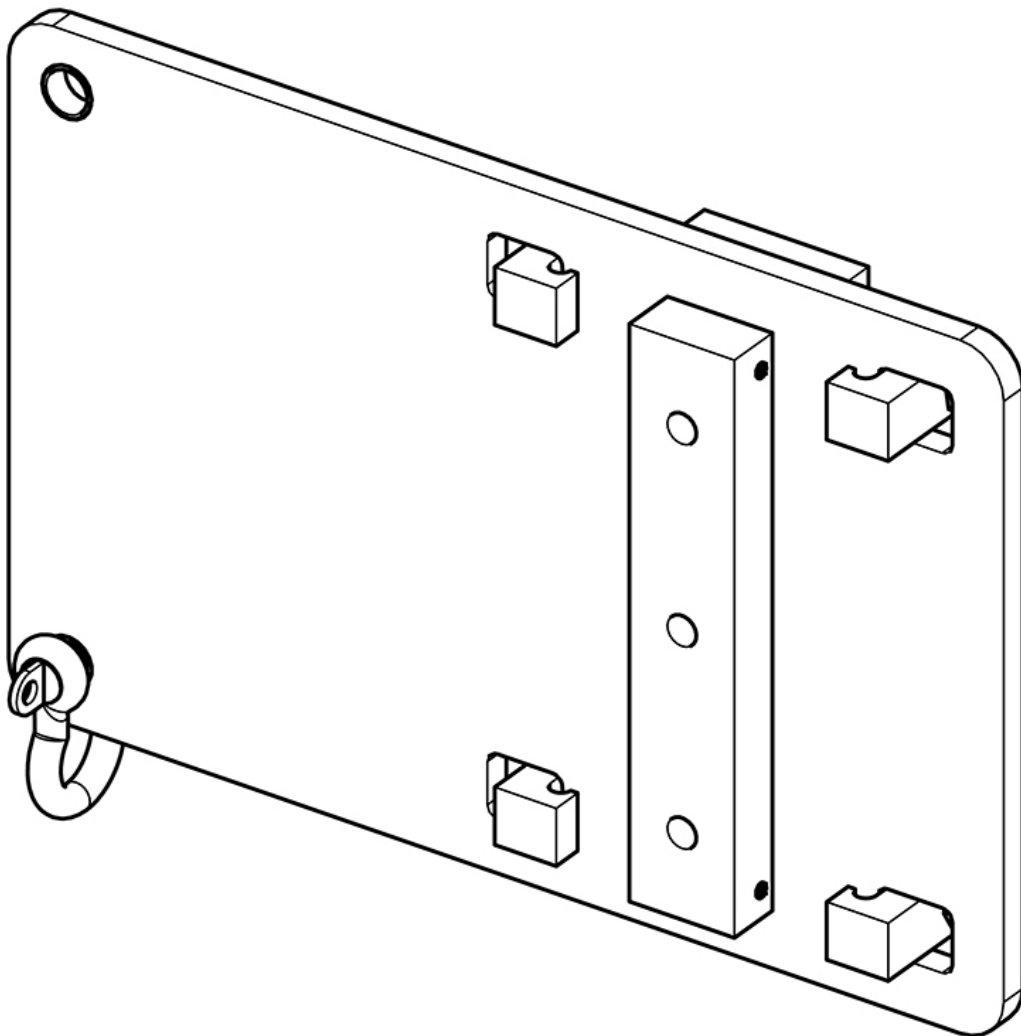


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PRODUCT INFORMATION & SAFETY WARNINGS

PRODUCT WARRANTY & INFORMATION



Scan the QR code to view detailed warranty information at wurtec.com. For questions or product support, contact Wurtec Customer Service at 1-800-837-1066. If a Declaration of Conformity is available for this product, it can be downloaded from its product page on wurtec.com.

EQUIPMENT DESCRIPTION & INTENDED USE

The Omega Hoist Rig is a rail-mounted lifting device designed to provide a safe and secure hoisting point by clamping directly onto an omega-shaped elevator guide rail. Utilizing a four-point gripper system actuated by two high-strength hex bolts, the rig firmly engages both the outer flanges and inner profile of the rail to ensure stability under load. An integrated anchor shackle attached to the hoisting plate serves as the connection point for lifting equipment. With a working load limit of 1000 lbs (454 kg), the Omega Hoist Rig is intended for use by qualified personnel to hoist and position components such as hydraulic cylinders and other equipment within elevator hoistways during installation, maintenance, and modernization activities.

WARNING

FAILURE TO COMPLY WITH THE FOLLOWING GUIDELINES COULD RESULT IN DEATH OR SERIOUS INJURY

EXCLUSION OF LIABILITY

This equipment should only be installed and serviced by trained personnel. This manual is intended as a guide only and is not a substitute for formal training; it may not cover every scenario or condition of use. Wurtec reserves the right to change product design and specifications without notice. Always use standard PPE, including safety glasses, gloves, boots, a hard hat, and fall protection.

- Ensure the hex head bolts on the rear of the Omega Hoist Rig are tightened to 50 lb-ft (68 Nm) prior to use.
- Failure to properly secure the rig or follow approved rigging procedures can result in serious injury or death.
- Never stand beneath a suspended load.

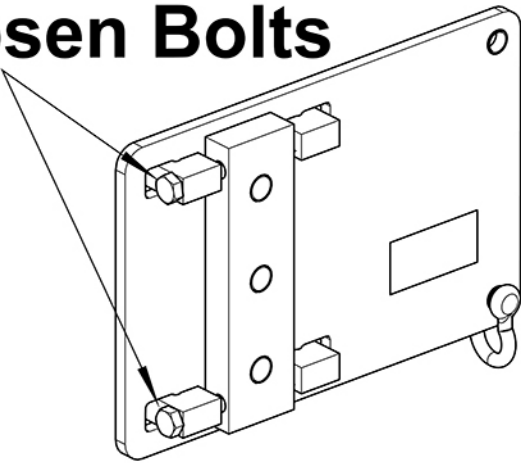
REQUIRED TOOLS

The following are the minimum required tools for installation:

- | | | |
|-----------------|---------------------------------|--------------------------------|
| • 15/16" socket | • Anti-Seize Lubricant (such as | Loctite Moly-50, Spider Black) |
| • Torque Wrench | Dow Corning Molykote 1000, | |

INSTALLATION STEPS

Loosen Bolts

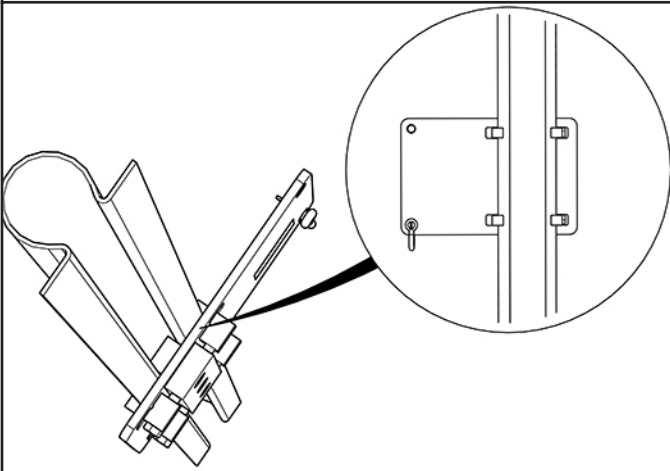


Step 1: Loosen the Hex Bolts

- Loosen the hex bolts to spread the gripper blocks to their maximum width.
- Apply a thin, even layer of anti-seize lubricant to the bolt threads.

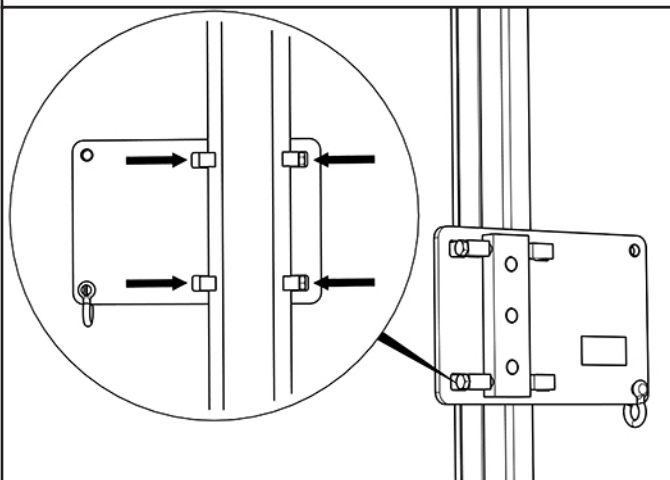
Step 2: Attach the Plate

- Position the hoisting plate against the back of the omega rail.
- Ensure the gripper blocks are spread wide enough to allow the rail to fit between them, with the tap block seated inside the rail's internal cavity.



Step 3: Secure the Plate

- Slide the gripper blocks inward until they firmly clamp the side flanges of the omega rail, then tighten the hex bolts.
- Torque the hex bolts to 50 lb-ft (68 N·m).
- The shackle is now ready to use for hoisting. Rated working load limit (WLL): 1,000 lbs (454 kg).



RECOMMENDED INSPECTION & MAINTENANCE

HEX BOLTS

- Inspect hex bolts before each use for any visible issues.
- Check for damaged threads and ensure bolts are not cross-threaded into the tapped gripper blocks.
- Verify threads are properly lubricated so bolts move smoothly in both directions.
- Ensure adequate lubrication to achieve proper clamping force (recommended: Molykote 1000).
- Replacement spec: Part #11540854 – 5/8-11 x 7 in., Grade 9 EcoGuard finish hex head cap screw.

RECOMMENDED INSPECTION & MAINTENANCE

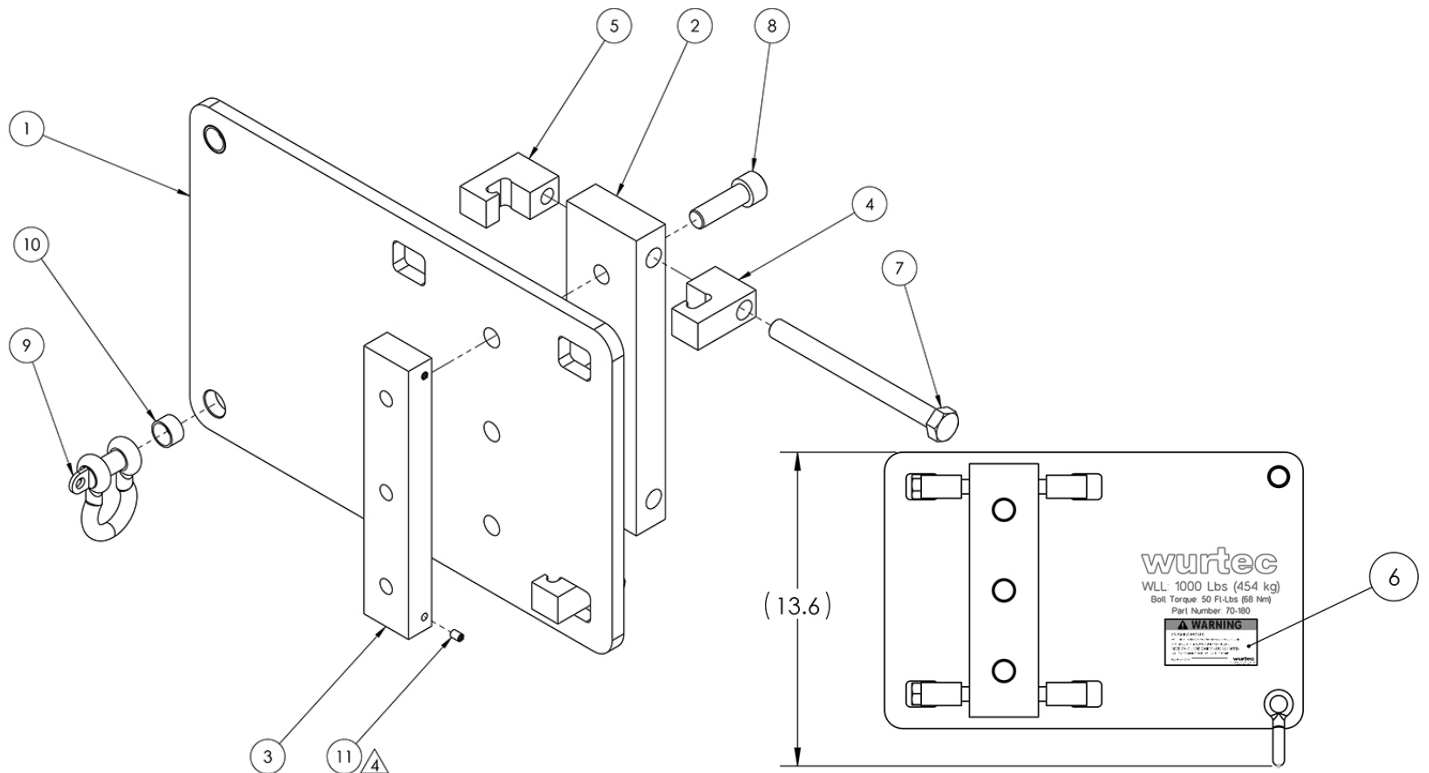
ANCHOR SHACKLE

Before hoisting, verify that the screw pin is fully inserted and properly tightened in the shackle.

TAP BLOCK / GRIPPERS

Ensure that there are four (4) Grippers in place in the Tap Block.

BILL OF MATERIALS



ITEM	QTY.	PartNo	Description	Size	Length
1	1	70-10002265	HOISTING PLATE	-	-
2	1	70-10002302	THRU BLOCK	-	-
3	1	70-10002259	TAP BLOCK	-	-
4	2	70-10002303	THRU GRIPPER	-	-
5	2	70-10002263	TAPPED GRIPPER	-	-
6	1	70-10023594	WARNING STICKER	-	-
7	2	10064951-895	HEX HEAD CAP SCREW	5/8-11	7 In
8	3	23511	SOCKET HEAD CAP SCREW	5/8-11	2 In
9	1	16-031	ANCHOR SHACKLE	3 TON	-
10	2	10082890	"HIGH-LOAD OIL-EMBEDDED SLEEVE BEARING - 3/4" X 7/8" X 1/2" LONG - MCMASTER CARR 2868T167"	-	-
11	4	CL-4-RG	ROUND GRIPPER HARDENED TOOL STEEL (SERRATED)	"1/4" DIA. X 3/8" LG."	-
12	1	70-10015651	LAMINATED INSTRUCTIONS (70-180)	-	-
13	1	11-306-LABUSA	BARCODE & SERIAL TAG	-	-