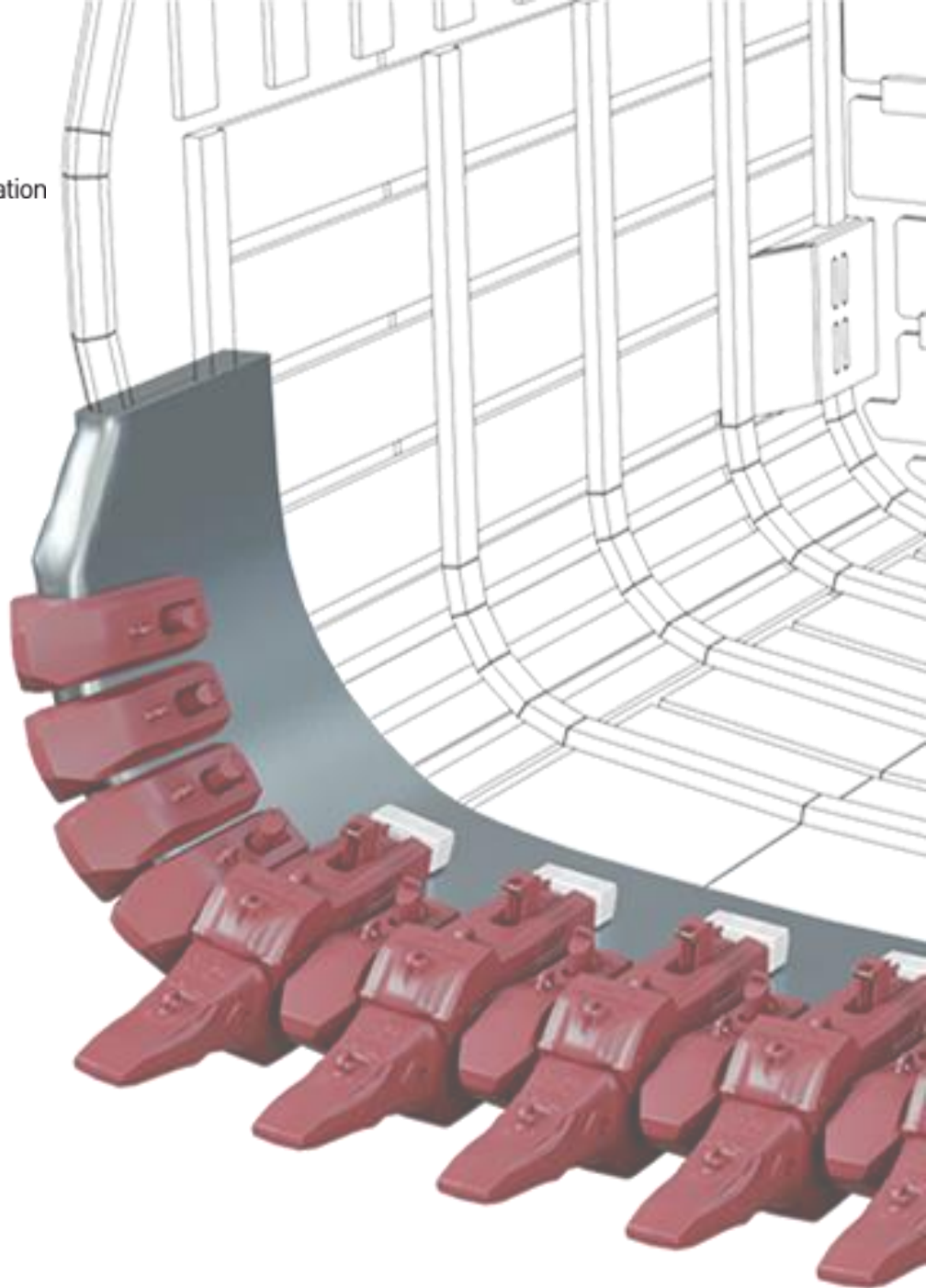




MTG

No limits innovation



INS.2.6.3

Hammerless 2-part H2 Adapter Locking

Installation procedure

DISCLAIMER

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1. SAFETY

The practices described in this manual can be taken as guidelines for operating safely in many conditions and in addition to the safety standards that are current and enforceable in your area or region.

Your safety and the safety of third parties is the result of putting into practice your knowledge of the correct operational procedures.

Attention, when performing the work described in these instructions, always work safely and use the personal protection elements required to minimize or avoid injury. Always wear:



To avoid eye injury, always wear safety goggles or a protective mask when using any equipment, hammer or similar tool. When equipment is under pressure or when objects are struck, chips or other debris can be thrown out. Make sure no one gets hurt by the debris that is fired before applying pressure or hitting an object. Wear eye protection that complies with ANSI Z87.1 and OSHA standards. Also wear hearing protection and gloves.

Lifting a heavy object can cause serious or fatal injury. DO NOT exceed the maximum rated capacity of lifting and positioning devices: Stay away from the area under a suspended load.



LIFTING LUG

Make sure that the chain is not damaged and that the load is always balanced.

2. IMPORTANT INFORMATION

The following instructions are a generic procedure for all MTG adapters for cable shovels, independent from the standard lip (WH/BK), the size of the adapter and its tooth system.

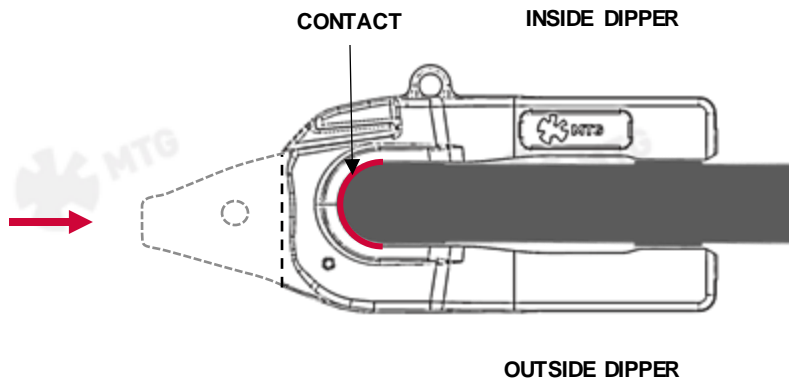
The images contained in this procedure may not correspond to the model used in each case.

3. INSTALLATION PROCEDURE

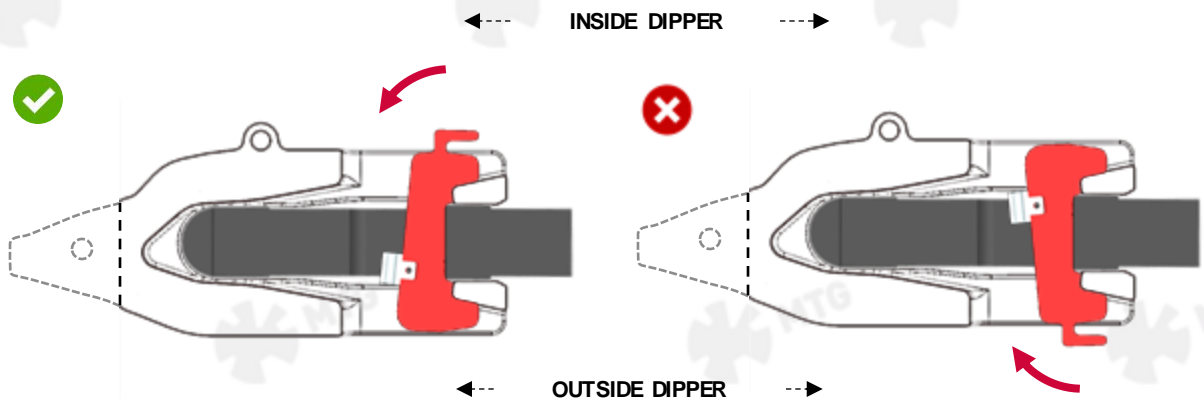
CAUTION: The installation of MTG products for cable shovels may require welding and/or grinding of the existing lip to return it to its original geometry and thus ensure proper tightening and performance.

To perform the reconstruction/recalibration of lips, it is mandatory to follow the MTG reparation instructions for rope shovels which describe the proper procedures for recovering the lip geometry by using MTG gauges. Please contact technical.services@mtg.es for further information.

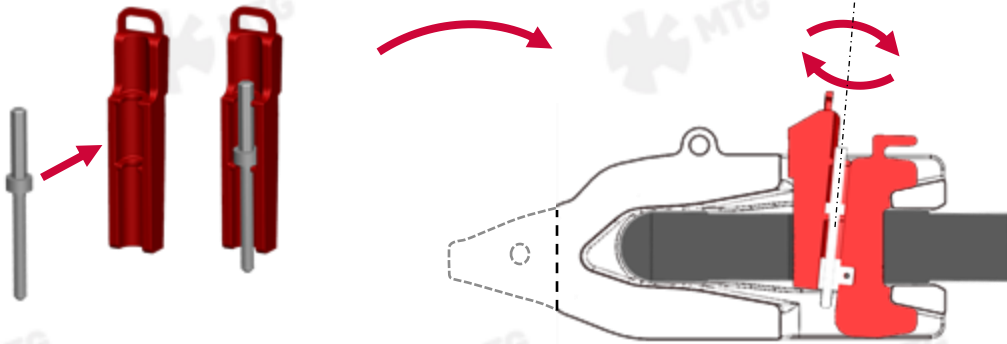
3.1 Place de adapter on its station assuring contact on the curved edge of the lip.



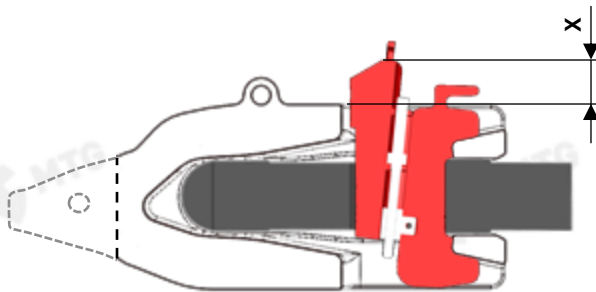
3.2 Introduce the C-Clamp in the proper position. Always with the handle from the **inside of the dipper**.



- 3.3** Place the torque pin into the wedge as the picture shows, then introduce the wedge on its housing and screw it with an impact gun until a torque of 1100 Nm - 812 lb-ft. Use socket size hex. 22mm - 7/8 in.

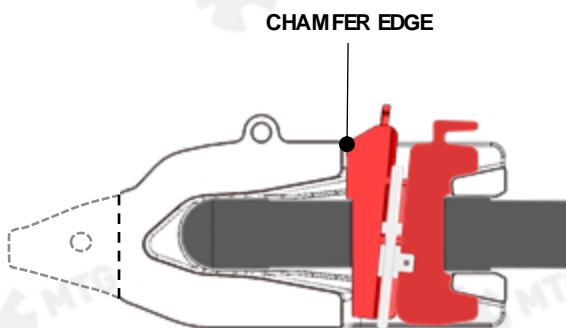


- 3.4** After installation, the wedge should protrude [X] between 4" and 5" - 100mm and 125mm from the adapter top leg. If the wedge protrudes more than 5" - 125mm the assembly is not satisfactory.



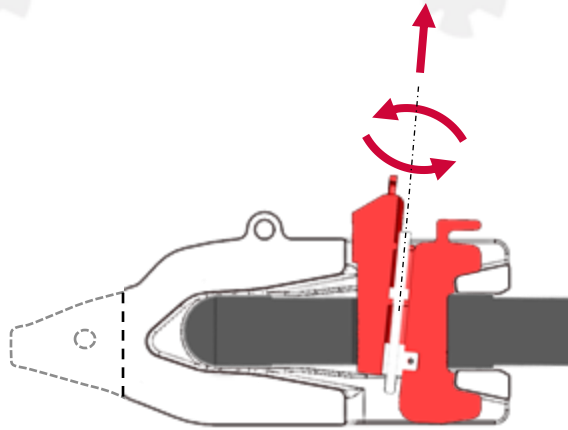
- 3.5** If, on the other hand, the wedge gets down in excess, this is when the edge of the wedge chamfer shown in the figure is below the adapter, that means that the oversize wedge must be installed with the same considerations of max and min wedge protrusion.

If the oversize wedge also drops excessively (bevel below the adapter), that means that the lip may need to be recalibrated.



4. REMOVAL PROCEDURE

- 4.1** Use the impact gun to unscrew the bolt. Socket size hex. 22mm - 7/8 in. The movement of this bolt will pull the wedge up untightening the locking until the wedge can be removed by hand. A long impact socket or an extension may be required.



- 4.2** After removing the wedge, the c-clamp is free to fall by its own through the adapter and lip hole, then the locking is out, and the adapter can be removed.



Service Instructions

The latest welding recommendations and assembly / disassembly instructions can be found online:

www.mtgcorp.com/manuals

Please contact Technical Services in case of questions:

technical.services@mtg.es



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