

HYTORC

CLAMP



OPERATING AND MAINTENANCE INSTRUCTIONS

HYTORC[®]
Since 1968

The HYTORC Clamp is a machine element for torsion and lateral force-free pre-tensioning of screws. The torque is initiated using the castellated part and the reaction occurs through the cogs. Tools manufactured by HYTORC or JETYD can be used for rotating the HYTORC Clamp.

In order to always produce uniform pre-tensioning forces with the HYTORC Clamp, this machine element must be lubricated each time before use and disassembled and cleaned after each use.

Please refer to the cleaning and lubricating instructions enclosed.

Although the screw is not subject to any torsion during the tightening and releasing procedures, we recommend lubricating the screw as normal. This facilitates removing the HYTORC Clamp afterwards.

Although all rotary motion takes place inside the HYTORC Clamp, in order to achieve precise pre-tensioning forces some preconditions must also be met by the operating environment:

- The bearing surface for the Clamp must be level and clean
- The screw thread must be standard and smooth-running
- The screw axis must be at right angles to the bearing surface

Before screwing on, assemble the HYTORC Clamp so that the inner and outer sleeves are flush. The Clamp can then be screwed by hand onto the bolt until it touches the washer.



This requires the use of square adapters which fit the cogs of the inner sleeve. This ensures that the sleeves do not become misaligned with each other.

In order to ensure enough free space between the inner sleeve and flange when releasing, the inner sleeve must be unscrewed by a min. of 0.5 revolutions in relation to the outer sleeve.

If significant warping of the bearing surface is expected (e.g. turbine housing) the inner sleeve can be screwed further upwards.



Square adapter

CAUTION! The distance between the inner sleeve and bearing surface after pre-tensioning (allow for bolt length) should not exceed half the washer thickness. As the height of the inner sleeve and that of the outer sleeve plus washer are the same, the remaining contact depth of the cogs can easily be measured by the projection of the inner sleeve beyond the outer sleeve.



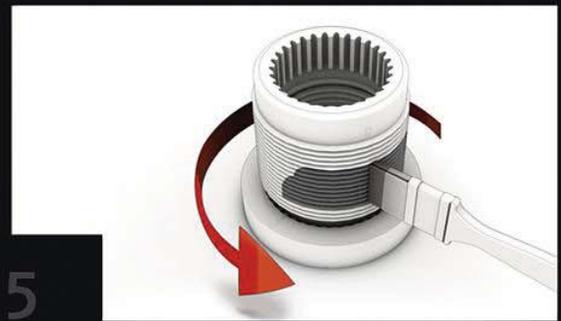
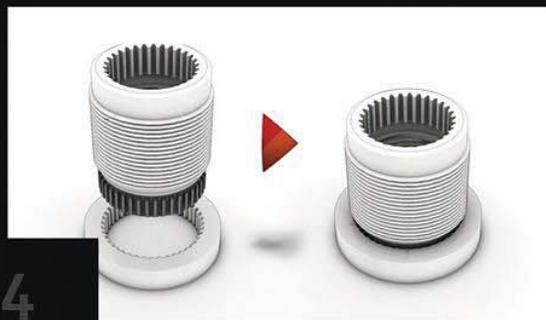
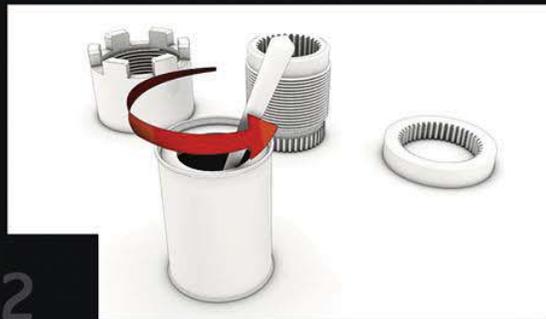
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LUBRICATION MANUAL
SCHMIERANLEITUNG

GREASING EINFETTEN

USE LUBRICATION ACCORDING LOAD CHART

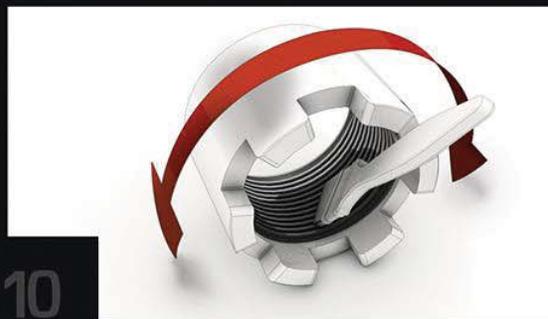
SCHMIERMITTEL ENTSPRECHEND DRUCK-
VORSPANNKRAFTTABELLE VERWENDEN



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LUBRICATION MANUAL
SCHMIERANLEITUNG

GREASING EINFETTEN



DESIGN BY BYTESPHERE.NET

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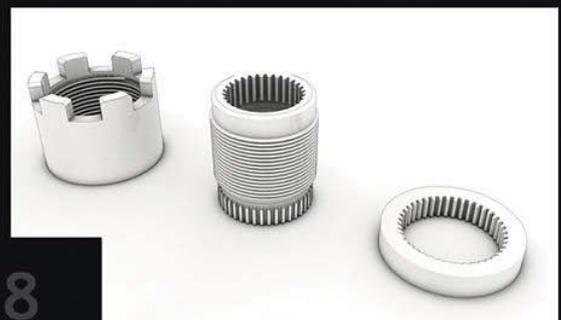
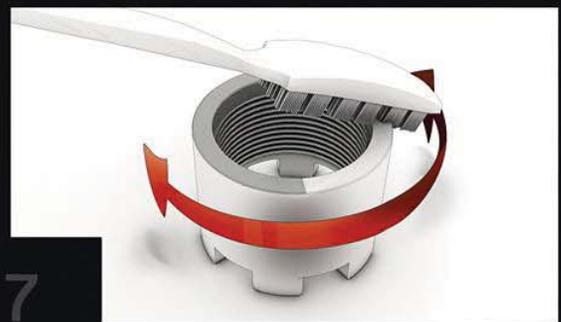
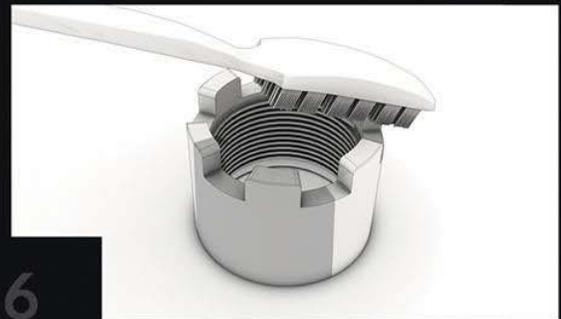
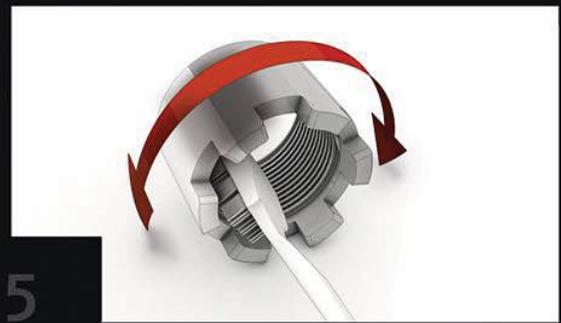
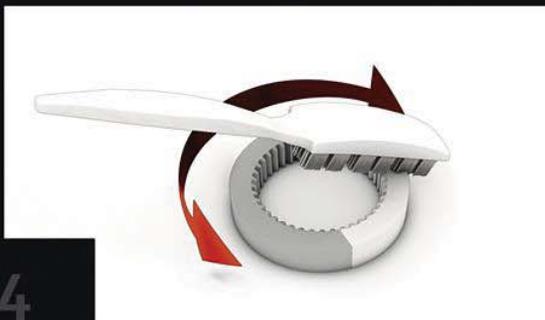
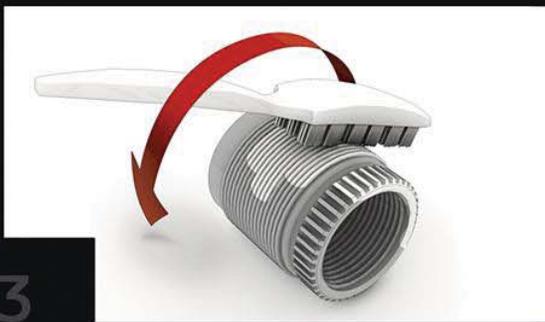
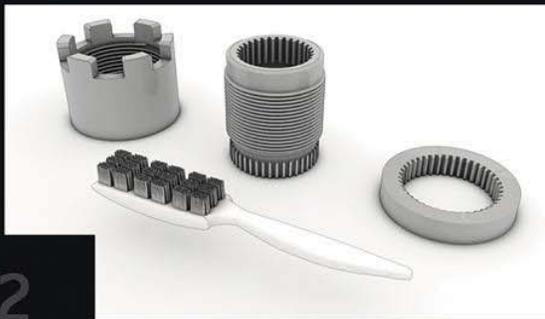
LUBRICATION MANUAL
SCHMIERANLEITUNG

DRY CLEAN TROCKENREINIGUNG



PERFORM DRY CLEAN ONLY IF GREASE IS 100% DRY, OTHERWISE PERFORM WET CLEAN

TROCKENREINIGUNG NUR VORNEHMEN WENN SCHMIERMITTEL ZU 100% TROCKEN, SONST NASSREINIGUNG.



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WET CLEAN NASSREINIGUNG

