

REYHER SCREW AND WASHER ASSEMBLY

Combined drive for every situation



REYHER's patented screw and washer assembly brings together properties the manufacturing industry has been waiting for a very long time. It has an inner as well as an outer drive and can still be fully loaded. Moreover, it is characterised by a friction coefficient range that is independent of the component surface – this is why the screw is currently totally unique.

The design layout is based on a standardised hexagon head combined with a hexalobular socket. With the internal drive's depth dimension being the decisive factor, the ratio of shear plane in the head/shaft transition to stress area in the thread cross section is designed in such a way that the screw can be fully loaded as per ISO 898-1.

Furthermore, the REYHER screw and washer assembly has a friction coefficient range that is independent of the component surface. The friction generated between the screw head and washer is controlled so that the surface roughness of the parts to be assembled has no effect on the friction at the head bottom. In order to benefit from this advantage in the case of bolt and nut installations, the REYHER nut and washer assembly can be used. This is designed in such a way that it has the same surface-independent friction ratio between nut body and washer as the REYHER screw and washer assembly.

By using the REYHER screw and washer assembly, the number of different screw types required for industrial assembly can be significantly reduced. This results in easier storage, lower costs and simplified production.

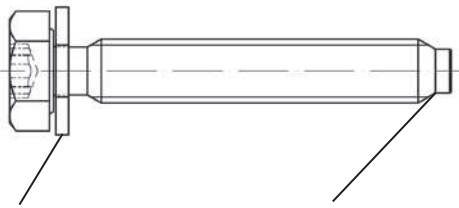
The patented REYHER screw and washer assembly has been developed for and in cooperation with Linde Material Handling (see back of page).

In the present version, but also with reference to other washers and/or drive types it can now be individually changed, manufactured and used. Feel free to contact us!

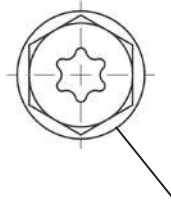
Advantages

- Fully loadable
- Two drives (hexagon and hexalobular socket)
- Easier installation due to short, flat end
- Defined friction coefficient
- Efficiency and cost savings due to reduction in variety of screw types
- Versions and strength values can be customised

Technical information

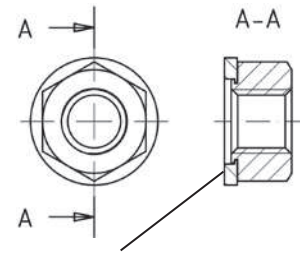


Different washer versions can be used



The short, flat end makes installation easier

Hexagon combined with hexalobular socket



Defined friction coefficient independent of surface

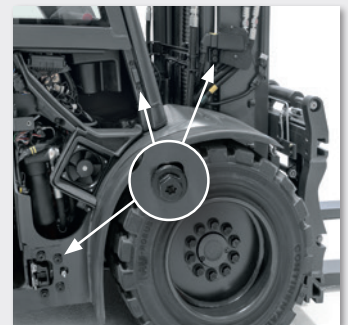
Reference: Linde



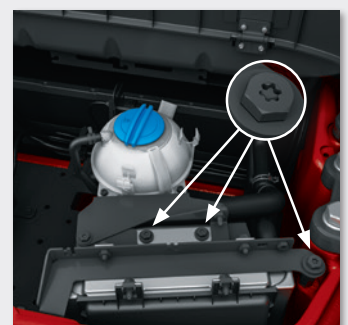
Linde forklifts in action



Lift mast



Engine compartment



Oil cooler

Linde Material Handling

Linde

Using the REYHER screw and washer assembly, Linde Material Handling has been able to considerably reduce the number of screw types used.



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