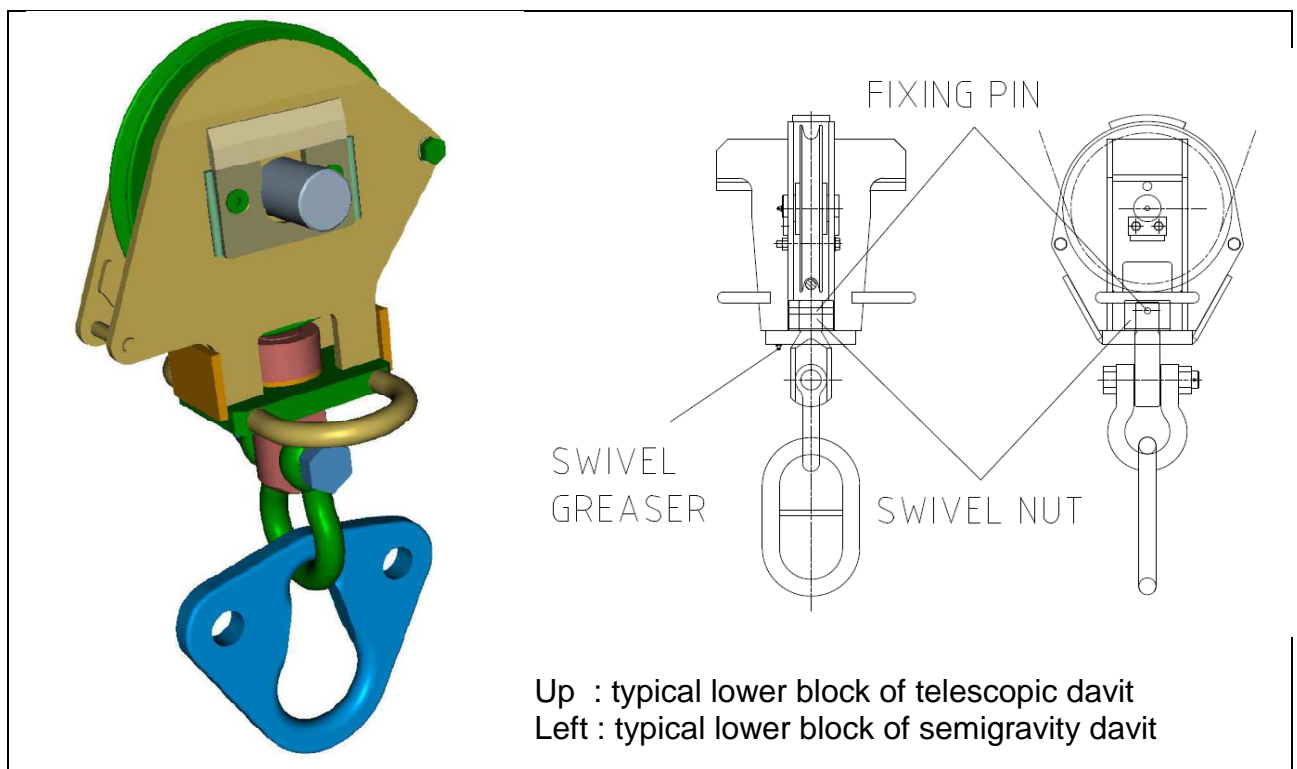


Product	LOWER BLOCKS WITH ROTATING SWIVEL AND FIXING NUT Types : all Navalimpianti davits
Purpose	Maintaining the efficiency and reliability of the hoisting system
Summary	Inspection and maintenance to the swivel nut

Description

In all types of Navalimpianti lower blocks there is installed a swivel eye to avoid that, engaging the lower block with the falls twisted, this fault may compromise the safety of the hoisting operation. The presence of the swivel allow the lower block turns itself realigning the falls when it approaches the davit head.

The fixing nut is made in galvanized steel [1] and fastened to the swivel by a pin (originally in copper, then in elastic steel [2]) as safety unscrewing device.



Recently we received an information that, due to the similarity to the steel galvanization with the stainless steel axle (AISI 431) of the pulley, someone could be inducted to believe that should not necessary to maintain and paint the fixing nut (see pictures).



1 - Starting corrosion in the first service year



2 - Intermediate corrosion status



3 - Severe corrosion after about two years without maintenance



4 - Painted swivel nut well maintained after more than five service years.



5 - Another swivel nut of the same vessel. The corrosion starts from the elastic pin.

Maintenance cautions. Considering the consequences that this possible and involuntary slack of maintenance may causes, we recommend :

every six mounts :

- to inspect these nuts, brushing and re-painting it in case of rust;
- pay attention to seal the upper surface to avoid salt water penetrates between the nut and the swivel bolt end,
- grease accurately the bronze washer to be sure the swivel rotates with less friction,

at each change of falls :

- unscrew the nut inspecting the thread integrity, brush and protect,
- change the fixing pin, fill and seal both ends with neutral silicon,
- check the wearing status of the bronze washer and grease it,
- check the greaser efficiency and the greasing channel is free,
- brush and repaint accurately the whole nut surface,
- do not forget to make the same maintenance to the swivel too.

For any further information please contact our service dept.

Notes :

[1] Nevertheless in more than 20 years the number of nuts supplied as spares is insignificant, to make easier the maintenance and the safety of your davits, Navalimpianti & Tecnimpianti developed a new swivel bolt made in stainless steel AISI 431 that is under approval of classification societies. If you are interested to this, do not hesitate to contact our service

[2] The change of the copper pin with the elastic steel pin has been requested by Classification societies.