

## NAVITIGHT®

Reliable screwing



**BÖLLHOFF**



## NAVITIGHT® Reliable screwing

When assembling screws there are often problems with starting the thread due to either manual installation or narrow fitting conditions. Thereby the screws are displaced for one thread turn into the component (so-called "cross-threading") and cant. This results in damage to or even the destruction of the receiving thread. Loss of production and significant post-processing costs are the result. With NAVITIGHT® you can solve this problem efficiently.

### Principles

The significant feature of the NAVITIGHT® screw is the geometry at the end of the thread. The external diameter of the narrower screw tip is smaller than the core diameter of the female thread. However the pitch remains constant. The result of this is a torque which aligns the screw and the nut linearly to each other. Therefore, cross threading is effectively prevented.



#### Incorrect screwing:

The screw isn't placed perpendicularly to the female thread and as a consequence it is displaced for one thread and cant. Often it results in a damage of the receiving thread.



#### Reliable screwing with NAVITIGHT®:

The screw isn't placed perpendicularly to the receiving thread. Due to the narrow screw tip the components are aligned linearly to each other and the fitting occurs faultlessly.



NAVITIGHT® is already used in various industries. The ratio of the faulty connections were reduced by a multiple.

### Benefits at a glance

- Reliable screwing
- The number of faulty connections significantly reduced
- Production cost savings by reducing errors
- Automated screwing also possible
- Ergonomic processing due to optimal screwing angle during manual assembly

The standard version of NAVITIGHT® has a hexagon flange head and is available in M 5 to M 14 diameters.

**Other head styles and diameters are available on request.**



Böllhoff GmbH · Archimedesstraße 1 – 4 · 33649 Bielefeld · Germany  
Phone +49 (0)521 / 44 82 - 629 · Fax +49 (0)521 / 44 82 - 93629  
[www.boellhoff.com](http://www.boellhoff.com) · [fastenerservicesupply@boellhoff.com](mailto:fastenerservicesupply@boellhoff.com)