HECO-UNIX with variable thread pitch
for quick and gap-free mountings of timber components
HECO-UNIX-plus

- Toothed thread design
- Full thread with variable thread pitch
- HECO-UNIX with “plus” tip for improved positioning and driving

HECO-UNIX-top

- Countersunk head with milling grooves (combi screw head)
- Swift positioning, especially on hard surfaces
- HECO-UNIX with “TOPIX” tip for reduced splitting

Combi screw head with milling grooves
- Milling grooves for easily driving the screw head into wood
- Precise fitting in 90° counterboring
- Extensive support in the metal fitting thanks to undercut thereby preventing surface damage

HECO-UNIX-plus with “plus” tip
- For applications in nylon plugs, natural timber and manmade boards
- Outstanding pull out performance in plugs and timber
- Optimum pull-out and over-tightening properties in chipboard
- Swift positioning, especially on hard surfaces

HECO-UNIX-top with “TOPIX” tip
- For applications in natural timber and glulam
- Reduced risk of splitting the wood
- Faster driving thanks to higher thread pitch
- Swift positioning thanks to optimised tip geometry
The universal screw with contraction effect

The HECO-UNIX has a full thread with variable pitch which steadily decreases in the centre section and is smaller at the rear thread range than at the tip of the screw.

Thanks to the variable thread pitch of the HECO-UNIX screws the wooden components are pulled together as the screws are driven in. This permits the use of fully threaded screws without jigging the wood components together. Assembly tasks can therefore be completed much more quickly.

Thanks to the full thread, components are also fixed in place axially. This prevents the negative effects of creeping und shrinking by wood when using part-thread screws.

Furthermore, panels are completely secured even before the head is countersunk leading to a neater finish. Deep countersinking is no longer necessary.

PRODUCT FEATURES

Combi screw head for mounting in fittings and on wood
- Precise fit in fittings
- Milled effect in wood thanks to milling grooves

HECO-UNIX full thread
- Contraction effect thanks to the full thread with variable pitch
- Tip variants with “plus” and “TOPIX” tip
- Full thread for sheet steel-wood and wood-wood connections
- The wood thread with variable pitch means that only one thread is cut into the wood

ADVANTAGES

Combi screw head
- No damage to the fitting surface
- Improved milling features in wood due to undercut milling grooves

HECO-UNIX full thread
- Variable thread contracts the components enabling gapless connection (even hard materials)
- Fixing the wood components via the thread
- Higher loads are achievable as the head does not pull through the fixture if the fixture thickness is > 4 x d
- The HECO-UNIX thread permits full and partial thread applications. This in turn permits smaller ranges

The HECO-UNIX full thread with variable pitch pulls the components together. Deep countersinking of the screw head is no longer necessary.

When mounting thicker components the thread secures the joint rather than the head. This results in a significantly stronger connection allowing fewer fixings points or a safer fixing.

The combi screw head fits exactly into a 90° recess in the hardware. Thanks to the undercut milled grooves, the edge does not damage the coating on the hardware.
SAMPLE APPLICATIONS OF HECO-UNIX

Wood frame construction  Securing fittings  Boarding
Facade construction  Counter battens  Carcase assembly for furniture and kitchens

RANGE OVERVIEW

HECO-UNIX-plus

Countsunk head with milling grooves, full threaded
Screws longer 120 mm part threaded
bright zinc plated, coated
FZD, lengths (mm): 12 to 200, diameters (mm): 3,5 / 4,0 / 4,5 / 5,0 / 6,0
T-Drive, lengths (mm): 12 to 200, diameters (mm): 3,5 / 4,0 / 4,5 / 5,0 / 6,0

HECO-UNIX-plus Wood panel screw

Countsunk head with milling grooves, full threaded
bright zinc plated, coated
T-Drive, lengths (mm): 50 to 80, diameter (mm): 4,5

HECO-UNIX-top

Countsunk head with milling grooves, full/part threaded
bright zinc plated, coated
T-Drive, lengths (mm): 20 to 300, diameters (mm): 3,5 / 4,0 / 4,5 / 5,0 / 6,0

HECO-UNIX-top Cladding screw

Raised countsunk head, full threaded
A2 stainless steel, coated
T-Drive, lengths (mm): 40 to 80, diameters (mm): 4,5 / 5,0

HECO-UNIX-top Floorboard screw

Raised countsunk head with milling ribs, full threaded
bright zinc plated or stainless steel A2, coated
bright zinc plated version: T-Drive, lengths (mm): 40 to 80
Diameters (mm): 3,5 / 4,0 / 4,5
Stainless steel version: T-Drive, lengths (mm): 40 to 60, diameter (mm): 3,5