**HECO-UNIX**

The unique fully threaded screw with contraction effect

**Combi screw head**
- No damage to the surface of the fitting
- Improved milling features in wood due to undercut milling grooves
- Perfect fit in 90° countersinkings due to countersunk head

**Full thread**
- Variable thread contracts the components enabling gapless connection (even hard materials)
- Fixation of wood components via the thread
- Higher loads are achievable as the head does not get pulled through the fixture if the fixture thickness is $\geq 4 \times$ diameter
- The HECO-UNIX thread permits full and partial thread applications. This allows a reduction of the product range

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**Two versions:**
- **HECO-UNIX-plus**
- **HECO-UNIX-top**

**Contraction effect**

1. **During insertion of the screw a visible gap appears between the components**
2. **The full thread begins to cut its way through the material**
3. **As the screw is inserted further the components get pulled together by the variable thread**
4. **The head can be countersunk flush with the surface enabling an attractive finish**
APPLICATION EXAMPLES

Facade construction
Mounting of glazing beads
Floorboard fixation
Securing fittings
Boarding and wood frame construction
Carcase assembly for furniture and kitchens

RANGE OVERVIEW

HECO-UNIX-plus

Countersunk head with milling grooves, full threaded
Screws longer 120 mm part threaded, bright zinc plated, coated
PZD, 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

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

HECO-UNIX-top

Countersunk head with milling grooves, full threaded
bright zinc plated, coated
T-Drive, lengths (mm): 20 to 160, diameters (mm): 3,5 / 4,0 / 4,5 / 5,0 / 6,0

HECO-UNIX-top

Countersunk head with milling grooves, part threaded
bright zinc plated, coated
T-Drive 30, lengths (mm): 60 to 300, diameter (mm): 6,0

HECO-UNIX-top Cladding screw

 Raised countersunk 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 countersunk head with milling ribs, full threaded
bright zinc plated or A2 stainless steel, coated
bright zinc plated: T-Drive, lengths (mm): 40 to 80, diameters (mm): 3,5 / 4,0 / 4,5
A2 stainless steel: T-Drive, lengths (mm): 40 to 60, diameter (mm): 3,5
**HECO-FIX-plus®**
*The proven multi-material screw*

- One screw for nearly all applications
- Perfect for all natural and industrial wood materials, plastic, masonry and thin sheet metal of up to 2 mm thickness
- Can be used in combination with nylon plugs
- Very low driving torques due to the innovative combination of lubrication with serrated thread design
- Professional packing system for all requirements
- Approved and monitored product

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**APPLICATION EXAMPLES**

*Plastic sections*  
*Fixing into concrete and masonry*  
*Electrical installations*  
*Furniture assembling*  
*Façades*  
*The ideal multi-material screw for lots of applications*
SUITABLE MATERIALS

Hard woods such as bangkirai, chipboard, sheet metal, plywood, solid wood, medium density fibreboard (MDF), plastic, etc.

RANGE OVERVIEW

Countersunk head, full/part threaded  
*bright/yellow zinc plated, coated*  
PZD, lengths (mm): 10 to 200  
Diameters (mm): 2.5 / 3.0 / 3.5 / 4.0 / 4.5 / 5.0 / 6.0  
T-Drive, lengths (mm): 12 to 260  
Diameters (mm): 2.5 / 3.0 / 3.5 / 4.0 / 4.5 / 5.0 / 6.0

Countersunk head with milling ribs, part threaded  
yellow zinc plated, coated  
T-Drive, lengths (mm): 30 to 120, diameters (mm): 3.5 / 4.0 / 4.5 / 5.0 / 6.0

Countersunk head with center drilled hole, full threaded  
bright zinc plated, coated  
PZD, lengths (mm): 20 to 80, diameters (mm): 4.0 / 4.5 / 5.0

Reduced countersunk head, full threaded  
bright zinc plated, coated  
PZD, lengths (mm): 12 to 35, diameter (mm): 3.0

Pan head, full threaded  
bright zinc plated, coated  
PZD, lengths (mm): 10 to 100  
Diameters (mm): 2.5 / 3.0 / 3.5 / 4.0 / 4.5 / 5.0 / 6.0  
T-Drive, lengths (mm): 12 to 100  
Diameters (mm): 3.0 / 3.5 / 4.0 / 4.5 / 5.0 / 6.0

Raised countersunk head, full threaded  
bright zinc plated, coated  
PZD, lengths (mm): 12 to 60, diameters (mm): 3.0 / 3.5 / 4.0 / 4.5 / 5.0

T-Drive, lengths (mm): 12 to 60  
Diameters (mm): 3.0 / 3.5 / 4.0 / 4.5 / 5.0

Back wall screw, full threaded  
bright zinc plated, coated  
PZD, lengths (mm): 20 to 60, diameters (mm): 3.0 / 3.5 / 4.0 / 4.5 / 5.0

Countersunk head, full/part threaded  
stainless steel A2, coated  
PZD, lengths (mm): 20 to 120  
Diameters (mm): 3.0 / 3.5 / 4.0 / 4.5 / 5.0 / 6.0  
T-Drive, lengths (mm): 25 to 200  
Diameters (mm): 3.0 / 3.5 / 4.0 / 4.5 / 5.0 / 6.0

Pan head, full threaded  
stainless steel A2, coated  
PZD, lengths (mm): 20 to 50, diameters (mm): 3.0 / 3.5 / 4.0 / 5.0

Raised countersunk head, full threaded  
stainless steel A2, coated  
PZD, lengths (mm): 20 to 60, diameters (mm): 3.0 / 3.5 / 4.0 / 4.5 / 5.0
HECO-TOPIX®
The wood screw for professionals

- Revolutionary point and shank design
- Easy to handle
- No predrilling required
- Faster driving
- Reduced risk of splitting the wood
- Lower driving torque
- High cost effectiveness
- Wide assortment of timber screws for high demands
- Approved and monitored product for steel and stainless steel versions

**APPLICATION EXAMPLES**

- Timber construction
- Staircase construction
- On-rafter insulation
- Fixing of decking
- Rafter-purlin joint

**Tip with milling ribs**
reduces the risk of splitting the wood

**Milling ribs**
ensure that the head is clearly countersunk (only with part thread)

**Shank ribs**
permit easy, stress-free driving (only with part thread)

**Higher thread pitch**
for faster driving
**HECO-TOPIX**

- **Combihexagon head, hexagon combined head, full/part threaded**
  - bright zinc plated, coated
  - Hexagon head + T-Drive, lengths (mm): 50 to 400
  - Diameters (mm): 8,0 / 10,0

- **Post screw, flange head, full threaded**
  - bright zinc plated, HP-coated
  - T-Drive, lengths (mm): 40 to 60, diameters (mm): 6,0 / 8,0

- **CombiConnect, cylindric head**
  - bright zinc plated, coated
  - T-Drive, lengths (mm): 100 to 400, diameters (mm): 6,5 / 8,5

- **Therm, countersunk head with secondary thread**
  - bright zinc plated, coated
  - T-Drive, lengths (mm): 160 to 500, diameters (mm): 8,0 / 10,0

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**HECO-TOPIX Wood screws**

- **Countersunk head with milling grooves**
  - Countersunk head with milling ribs, part threaded
  - bright zinc plated, coated/stainless steel A2, coated, T-Drive
  - bright zinc plated: lengths (mm): 80 to 500, diameters (mm): 8,0 / 10,0
  - stainless steel A2: lengths (mm): 80 to 400, diameter (mm): 8,0

- **Full threaded screw, countersunk head with milling grooves, full threaded bright zinc plated, coated**
  - T-Drive, lengths (mm): 120 to 380, diameters (mm): 8,0 / 10,0

- **Flange head, full/part threaded**
  - bright zinc plated, coated
  - T-Drive, lengths (mm): 40 to 400
  - Diameters (mm): 6,0 / 8,0 / 10,0
  - **Version Flange head XL:**
    - lengths (mm): 160 to 400, diameter (mm): 8,0
  - **Version Flange head stainless steel A2, coated:**
    - full threaded, full threaded, screws longer 140mm part threaded
    - T-Drive, lengths (mm): 40 to 300, diameters (mm): 6,0 / 8,0

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**RANGE OVERVIEW**

- **Countersunk head, full/part threaded**
  - bright/yellow zinc plated, coated
  - PZD, lengths (mm): 20 to 180
  - Diameters (mm): 3,5 / 4,0 / 4,5 / 5,0 / 6,0
  - T-Drive, lengths (mm): 20 to 300
  - Diameters (mm): 3,5 / 4,0 / 4,5 / 5,0 / 6,0

- **Countersunk head, full threaded**
  - stainless steel A2, coated
  - PZD, lengths (mm): 20 to 70, diameters (mm): 3,5 / 4,0 / 4,5 / 5,0

- **Countersunk head with milling ribs, part threaded**
  - stainless steel A2, coated
  - T-Drive, lengths (mm): 30 to 160, diameters (mm): 3,5 / 4,0 / 4,5 / 5,0 / 6,0

- **Fitting screw, countersunk head, full threaded**
  - bright/zinc plated or stainless steel A2, coated
  - PZD/T-Drive, length (mm): 40, diameter (mm): 4,5

- **Glass strip screw, raised countersunk head with milling ribs**
  - part threaded, bright/yellow zinc plated or stainless steel A2, coated
  - T-Drive, lengths (mm): 30 to 60 / Length (mm) stainless steel: 40 to 60
  - Diameter (mm): 3,5

- **Decking screw, countersunk head with milling ribs**
  - stainless steel A2/A4, coated
  - T-Drive, lengths (mm): 40 to 80, diameters (mm): 5,0

- **Decking screw, raised countersunk head with secondary thread**
  - stainless steel A2/A4, coated
  - T-Drive, lengths (mm): 40 to 80, diameter (mm): 5,0

- **HECO-TOPIX®-T Solar, flange head with secondary thread**
  - stainless steel A2, coated
  - T-Drive, lengths (mm): 240 to 360, diameter (mm): 8,0

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**Version Flange head XL:**

- lengths (mm): 160 to 400, diameter (mm): 8,0

**Version Flange head stainless steel A2, coated:**

- full threaded, full threaded, screws longer 140mm part threaded
- T-Drive, lengths (mm): 40 to 300, diameters (mm): 6,0 / 8,0

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**HECO-TOPIX® Post screw, flange head, full threaded**

- bright zinc plated, HP-coated
- T-Drive, lengths (mm): 40 to 60, diameters (mm): 6,0 / 8,0
**MULTI-MONTI®-plus**

*The Original between the concrete self-tapping screw anchors*

- Easy settable screw anchor even in case of worn drills
- Optimized concrete thread with full threaded variations for highest demands
- Two embedment depths for more flexibility
- Settable by means of power-tools and immediately loadbearing
- Increased product assortment and dimensions for various applications taking design and application areas into account
- Wider approved assortment of products for ETA option 1 from MMS-plus 6, including seismic from diameter 10mm

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**APPLICATION EXAMPLES**

- **Prop assemblance**
- **Pipe mounting**
- **Assembling of supporting props**
- **Fixing of cable ducts**
- **Fixing of railing**
- **Fixing of brackets and console bearers**
<table>
<thead>
<tr>
<th>Product Description</th>
<th>Materials</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMS-SS hexagon head with combined washer</td>
<td>Carbon steel bright zinc plated</td>
<td>Lengths (mm): 110 to 150, diameter (mm): 14,0</td>
</tr>
<tr>
<td>MMS-plus S heavy-duty anchor, hexagon head</td>
<td>Carbon steel bright zinc plated</td>
<td>Length (mm): 80, diameter (mm): 16,0</td>
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<tr>
<td>MMS-plus SS hexagon head with combined washer</td>
<td>Carbon steel HP-coated</td>
<td>Lengths (mm): 50 to 120, diameters (mm): 6,0 / 7,5 / 10,0 / 12,0</td>
</tr>
<tr>
<td>MMS-plus S hexagon head with washer DIN 440</td>
<td>Carbon steel bright zinc plated</td>
<td>Lengths (mm): 180 to 320, diameter (mm): 12,0</td>
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<tr>
<td>MMS-plus V pre-set anchor with metric stud</td>
<td>Carbon steel bright zinc plated</td>
<td>Lengths (mm): 80 to 140, diameters (mm): 7,5 / 10,0 / 12,0</td>
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<tr>
<td>Version MMS-plus V heavy-duty anchor:</td>
<td>Carbon steel bright zinc plated</td>
<td>Lengths (mm): 150 to 220, diameters (mm): 16,0 / 20,0</td>
</tr>
<tr>
<td>MMS-plus F countersunk head, carbon steel bright zinc plated</td>
<td>Carbon steel bright zinc plated</td>
<td>T-Drive, lengths (mm): 30 to 160, diameters (mm): 5,0 / 6,0 / 7,5 / 10,0 / 12,0</td>
</tr>
<tr>
<td>MMS-plus MS assembly rail anchor with flange head</td>
<td>Carbon steel bright zinc plated</td>
<td>T-Drive, lengths (mm): 35 to 60, diameter (mm): 7,5</td>
</tr>
<tr>
<td>MMS-plus ST with metric stud</td>
<td>Carbon steel bright zinc plated</td>
<td>Lengths (mm): 55 to 120, diameters (mm): 6,0 / 7,5 / 10,0</td>
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<tr>
<td>MMS-plus I with internal metric thread</td>
<td>Carbon steel bright zinc plated</td>
<td>Lengths (mm): 40 to 75, diameters (mm): 6,0 / 7,5 / 10,0</td>
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<td>MMS-plus P pan head</td>
<td>Carbon steel bright zinc plated</td>
<td>T-Drive, lengths (mm): 25 to 70, diameters (mm): 5,0 / 6,0 / 7,5 / 10,0</td>
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<td>MMS-plus KS reduced countersunk head</td>
<td>Carbon steel bright zinc plated</td>
<td>T-Drive, lengths (mm): 40, diameter (mm): 5,0</td>
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<tr>
<td>MMS-plus R eye-bolt-anchor</td>
<td>Carbon steel bright zinc plated</td>
<td>Length (mm): 40, diameter (mm): 6,0</td>
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<tr>
<td>MMS-TC TimberConnect</td>
<td>Carbon steel bright zinc plated</td>
<td>T-Drive, lengths (mm): 100 to 160, diameters (mm): 7,5 / 10,0 / 12,0</td>
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<tr>
<td>MMS-plus SSK hexagon head with combined washer and cone</td>
<td>Carbon steel bright zinc plated</td>
<td>Length (mm): 130, diameter (mm): 16,0</td>
</tr>
<tr>
<td>Version MMS-plus SSK heavy-duty anchor:</td>
<td>Carbon steel bright zinc plated</td>
<td>Lengths (mm): 120 to 200, diameters (mm): 16,0 / 20,0</td>
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<tr>
<td>MMS-S hexagon head, phosphated tip</td>
<td>Stainless steel A4 1.4401 self-colour</td>
<td>Lengths (mm): 50 to 120, diameters (mm): 7,5 / 10,0 / 12,0</td>
</tr>
<tr>
<td>MMS-F countersunk, phosphated tip</td>
<td>Stainless steel A5 1.4571 self-colour</td>
<td>T-Drive, lengths (mm): 75 to 115, diameter (mm): 7,5</td>
</tr>
<tr>
<td>MMS-P PanHead, phosphated tip</td>
<td>Stainless steel A5 1.4571 self-colour</td>
<td>T-Drive, lengths (mm): 75 to 115, diameter (mm): 7,5</td>
</tr>
</tbody>
</table>
HECO®-SC-S
Outdoor connections of timber on metal structures

- Fixing timber to steel and aluminium substructures in one step
- High corrosion resistance thanks to stainless steel
- Hardened, zinc-plated drill point
- The ensuring of the correct pre-drill diameter allows an ideal fastening in the substructure
- Increased diameter of the timber bore hole: reduced problems through timber swelling and shrinking
- No discoloration of the timber thanks to stainless steel
- Optimum contact pressure
- Quick, secure and efficient installation
- Countersunk head anchorage in hard- and softwoods

HECO®-WR
More power in structural timberwork

- Very high performance
- Insertion parallel to the grain possible too
- No decline of load bearing capacity from 90° to 45° relative to the grain
- Installation without pre-drilling
- Low splitting tendency: small edge and intervening spacing
- Reduction of time and costs
- Wide range of applications
- High corrosion resistance (Durocoat)
- CE-marking based on ETA-12/0062

RANGE OVERVIEW

HECO-SC-S winged self-drilling fastener, countersunk head
PH-Drive/T-Drive, full threaded, stainless steel A2 1.4301 bright zinc plated
Lengths (mm): 42 to 75, diameters (mm): 4,8 / 5,5

HECO-WR special full threaded screw, countersunk head
T-Drive, full threaded, carbon steel Durocoat
Lengths (mm): 400 to 1,000, diameter (mm): 13,0
**HECO®-WS**
*Enhanced efficiency in structural timberwork*

- Easy to use without pre-drilling of steel or timbers
- Self-drilling due to special drilling tip
- Can be used for many applications
- Simple, reliable calculation according to EN 1995-1-1
- High yield moment $M_{y,k} = 31,93 \text{ Nm}$
- Dismountable
- Fastening via the thread underneath the head
- High fire resistance
- Form-fitting direct fastening results in maximum fitting accuracy
- Aesthetically pleasing connection without destruction of the rear surface of the timber

**RANGE OVERVIEW**
HECO-WS steel dowel, cylindric countersunk head
**T-Drive**, secondary thread, carbon steel bright zinc plated
Lengths (mm): 73 to 233, diameter (mm): 7.0

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**HECO®-WB**
*Simple solution for lateral tensile reinforcements*

- Lateral tensile reinforcement without gluing
- Time saving of up to 50%
- No gluing authorisation requested
- Without temperature requirements
- Easy and reliable calculation
- High tensile strength of 800 N/mm²
- Individually cut to length
- Easy storage
- Insertion sleeve for countersinking
- Diameters [mm]: 16.0, 20.0
- Length [mm]: 3000, individually cut to length
- Approved and monitored product according to Z-9.1-777

**RANGE OVERVIEW**
HECO-WB threaded rod bar
Installation tool, full threaded, carbon steel bright zinc plated
Length (mm): 3,000, diameters (mm): 16.0 / 20.0
HECO-UFIX®
MDF screw

The ideal screw for MDF and HDF

MDF screw with special drilling tip
- Possible to work close to the edge and axis
- Screw connections possible at the end faces without predrilling
- Enlargement of insertion hole due to ribs on the point of the screw; thus reducing the splitting and bulging of the MDF
- Exact, non-slip positioning on the surface of the material
- Perfectly coordinated HECO-Drive and drive with stick-fit effect; the bit holds the screw securely without wobbling
- Only one size of recess (HD-20) for the whole product range

Serrated thread
Reduces the driving torque

MDF drilling tip
Quick and easy predrilling

Small countersunk head with milling grooves
Ideal cutting features in wood, accurate fit in metal fitting

Cutting ribs on the tip
Reduce of MDF splitting

APPLICATION EXAMPLES

Installation of fittings on ends of boards
Butt carcass connections
Fastening of wheels

RANGE OVERVIEW

HECO-UFIX® MDF screw, countersunk head with milling grooves
HECO-Drive, part threaded, bright zinc plated

Lengths (mm): 40 to 60
Diameters (mm): 3.5 / 4.0 / 4.5
**HECO®-HCS 4.0**

*for reliable and more efficient planning*

- Intuitive and interactive user interface
- Calculation of anchors, balustrades, façades, on-rafter insulation and timber connections etc. is possible
- Conformity with current standards
- Detailed result display
- Evaluation easy to understand with installation instructions
- Storage function for calculations
- Required amounts including reference to the article
- Efficient planning of required material
- Economic increase
- HECO-HCS 4.0 is available free of charge as download or CD

**HECO® Calculation software**

The users obtain assistance in performing static calculations of connections or reinforcements performed with part or full threaded screws or screw-in anchors. A practical advantage for roofers and carpenters is: offers can be displayed with verified calculations and you get a reliable mounting instructions at the same time.

The advantage of the modular designed HECO® Calculation software is that updates made in regular intervals can have additional tools implemented, enlarging the covered range of applications - hence the version 3.0 was updated to version 4.0.

The most important improvement of the tested calculation software is the tool for the calculation of anchors in concrete, which has had an additional assortment of anchors added to the well known „MULTI-MONTI™“ (MMS). The new generation of the „MULTI-MONTI®-plus“ (MMS-plus) is included completely and enlarges the field of applications considerably.

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Unit [pcs.]</th>
<th>Price [€/1 pcs.]</th>
</tr>
</thead>
<tbody>
<tr>
<td>42531</td>
<td>1</td>
<td>free of charge</td>
</tr>
</tbody>
</table>

**CALCULATION-TOOLS** (17 different calculation tools are available)

- Calculation of anchors
- Fixing for railing
- On-rafter insulation
- Beam reinforcement
- Refabricated construction
- Support reinforcement
POS
brand presentation
You too can profit from high brand visibility attractively presented at the point of sale

Modular shelf system
- Width of shelf 1 m or 1.25 m
- Up to 6 shelves, two different depths
- Level or slanted positioning of shelves possible
- Practical partitioning of shelving with dividers
- No tools required for assembly of shelving
- Individual shelves suitable for Tego shelving

Shelf stoppers
- Display of detailed product information
- Product selection matrix to assist in finding the correct product quickly

Double labeling strip
- Easy product selection due to colour code, specification of product type and illustrations

Labels
- Delivery of suitable labels, upon request

PRODUCT INFORMATION FOR SHELVING SYSTEMS

We supply comprehensive product information on magnetic headers or illuminated illustrations, suitable for the HECO® shelving system or for your existing shelving.
VARIANTA – BOXES FOR PROFESSIONALS AND O-BOX

<table>
<thead>
<tr>
<th>SKV - small boxes</th>
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<tr>
<td>Tipfungtion in all VARIANTA-boxes: The tip lock prevents accidental spilling</td>
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For further information feel free to contact us
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