

MATERIAL HANDLING FALSE TOOTH

The **FALSE TOOTH** product line offers outstanding flexibility when it comes to screw-on cleats. Whether a quick replacement of individual cleats is needed, or materials are used that cannot be securely attached to polyurethane by welding or gluing.

In order to use the **FALSE TOOTH** either whole teeth are removed (see **table 1**) or 6-mm-wide cross grooves are fitted into the teeth (see **table 2**), depending on the belt profile.

Standard false teeth and insert bars are made of **brass** and the most common sizes are kept in stock (see **table 1 & 2**).

If other materials are not in stock, orders for minimum order quantities can be placed:

Aluminium

Stainless steel

Stainless steel – food-grade

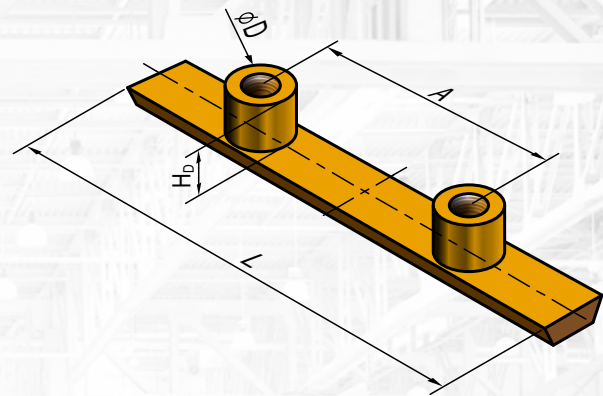


Figure 1 – false tooth

All profile versions of the false teeth and insert bars have threaded sleeves (**D**) with a diameter of $6_{(0/-0.05)}$ mm. The interior thread M4 is used for fixing the cleats with screws.

If there are more than two threaded sleeves on the false tooth/insert bar, the middle sleeve is positioned at the centre of the replacement tooth/insert bar. The two outer sleeves are located symmetrically with the spacing A.

| PROFILE | L [mm] | A [mm] | THREADED SLEEVES | H _{b (0/-0.2)} [mm] |
|---------|--------|--------|------------------|------------------------------|
| 25 AT10 | 25 | 15 | 2 | 4.8 |
| 32 AT10 | 32 | 20 | 2 | 4.8 |
| 50 AT10 | 50 | 25 | 2 | 4.8 |
| 75 AT10 | 75 | 25 | 3 | 4.8 |
| 25 T10 | 25 | 15 | 2 | 3.4 |
| 32 T10 | 32 | 20 | 2 | 3.4 |
| 50 T10 | 50 | 25 | 2 | 3.4 |
| H100 | 25 | 15 | 2 | 3.5 |
| H150 | 35 | 20 | 2 | 3.5 |
| H200 | 50 | 25 | 2 | 3.5 |

Table 1 – Dimensions table **FALSE TOOTH**

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For the profiles T20, AT20 and XH an insert bar with a cross-section of 6 x 5 mm is used, in the same way as a fals tooth.

| PROFILE | L [mm] | A [mm] | THREADED SLEEVES | H _D (0/-0.2) [mm] |
|-------------------------|--------|--------|------------------|------------------------------|
| Insert bar – 6 x 5 x 32 | 32 | 20 | 2 | 6 |
| Insert bar – 6 x 5 x 50 | 50 | 25 | 2 | 6 |
| Insert bar – 6 x 5 x 75 | 75 | 25 | 3 | 6 |

Table 2 – Dimensions table for insert bar FALSE TOOTH

FOR CLEATS AND OTHER SCREW-ON COMPONENTS, THE FOLLOWING TOLERANCES APPLY:

Screw holes and counterbores must comply with DIN EN 20273 – m and the relevant standard for countersinking the selected screw. The counterbore D must have a diameter of 6 (+0.3/0) mm.

The dimension for the counterbore depth B depends on the profile and can be found in table 3 below.

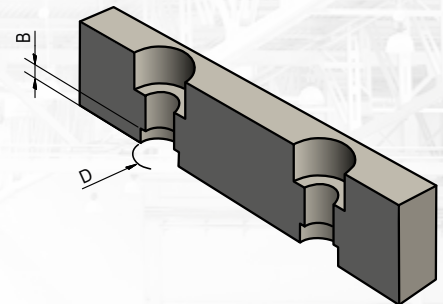


Figure 2 – Important cleat dimensions

| PROFILE | T10 | AT10 | H | T20 | AT20 | XH |
|----------------------------|-----|------|-----|-----|------|------|
| B _(0/-0.4) [mm] | 1.2 | 2.6 | 1.3 | 2.8 | 2.8 | 0.95 |

Table 3 - Counterbore depth B

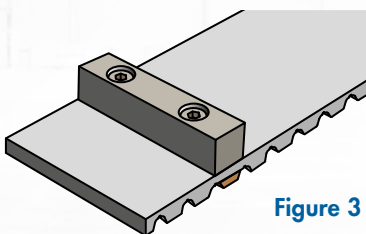


Figure 3 – Assembly FALSE TOOTH

Further profiles, sizes and versions are available in minimum order quantities.

**PLEASE CONTACT US
IF YOU ARE INTERESTED,
WE WILL BE HAPPY TO ADVISE YOU!**

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