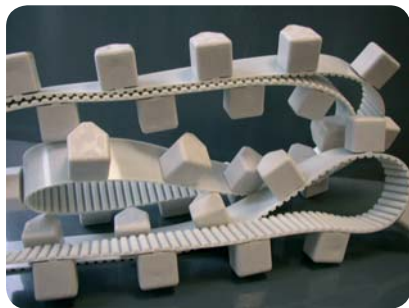
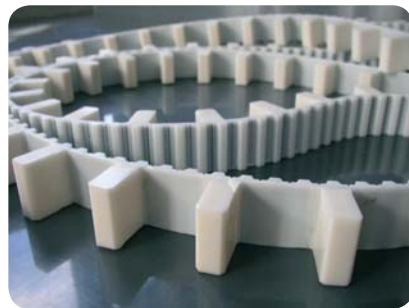
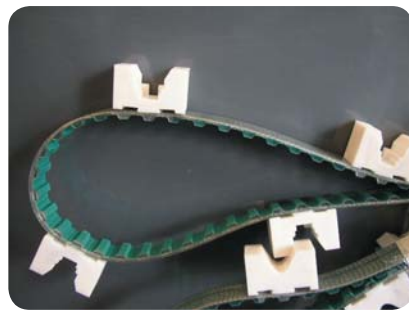
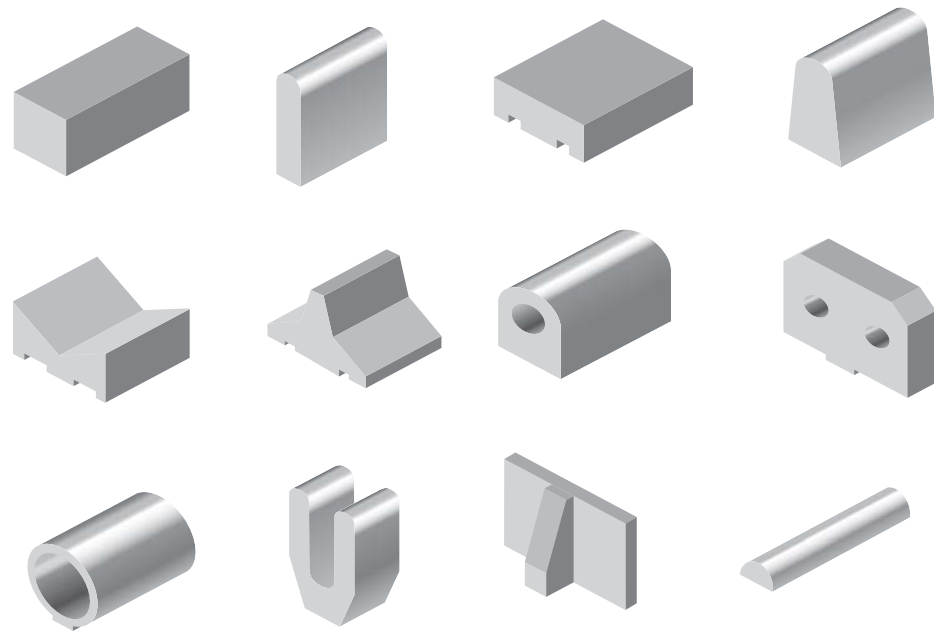


Profiles / Cleats

Many special, innovative tasks in the flow of material, such as clocking, separating or positioning, can be solved by mounting profiles and/or cleats as well as pushing elements. Profiles and pushing features, made of high-quality polyurethane (just like our timing belts), are processed as sheet ware or injection molded to obtain the required shape. The products are available in various mixtures and grades of hardness, with glass-fiber reinforcement and in matching colors. The profiles and/or cleats are homogeneously welded onto or glued to the timing belt. Given our production methods, the shape of the cleat can be designed freely.



Welding on cleats

The flexibility of the timing belt is affected when cleats are welded onto it. As a rule, the cleat thickness should be as low as possible. If possible, the cleats should be welded onto the belt opposite the tooth. The distance between the cleats is optimal when a multiple of the belt pitch is selected. The table below shows the recommended maximum cleat thickness (in mm) in relation to the selected number of pulley teeth. The positioning accuracy is +/-0.3mm for the center distance between cleats.

Maximum cleat thickness in mm when cleats are welded onto belt opposite the tooth.

| Type / no. of teeht | 20 | 25 | 30 | 40 | 50 | 60 | 100 |
|---------------------|----|----|----|----|----|----|-----|
| T5 | 5 | 6 | 6 | 8 | 10 | 11 | 13 |
| T10 | 8 | 9 | 10 | 12 | 14 | 15 | 20 |
| T20 | 12 | 13 | 16 | 18 | 20 | 23 | 30 |
| AT3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 |
| AT5 | 5 | 6 | 6 | 8 | 10 | 11 | 13 |
| AT10 | 8 | 10 | 10 | 12 | 14 | 15 | 20 |
| AT20 | 12 | 13 | 15 | 18 | 20 | 23 | 30 |
| XL | 5 | 6 | 6 | 8 | 10 | 11 | 13 |
| L | 6 | 7 | 8 | 10 | 12 | 13 | 16 |
| H | 8 | 10 | 10 | 12 | 14 | 15 | 20 |
| XH | 13 | 14 | 15 | 18 | 20 | 23 | 30 |
| HTD5 | 5 | 5 | 6 | 8 | 10 | 11 | 13 |
| HTD8 | 6 | 8 | 9 | 10 | 12 | 14 | 15 |
| HTD14 | - | 10 | 12 | 13 | 15 | 18 | 20 |

Maximum cleat thickness in mm when cleats are welded onto belt opposite the tooth space.

| Type / no. of teeht | 20 | 25 | 30 | 40 | 50 | 60 | 100 |
|---------------------|----|----|----|----|----|----|-----|
| T5 | 2 | 2 | 3 | 4 | 6 | 8 | 10 |
| T10 | 3 | 4 | 4 | 6 | 9 | 12 | 20 |
| T20 | 5 | 5 | 6 | 8 | 12 | 20 | 30 |
| AT3 | - | 2 | 2 | 3 | 4 | 6 | 8 |
| AT5 | 2 | 2 | 3 | 4 | 6 | 8 | 10 |
| AT10 | 3 | 4 | 4 | 6 | 9 | 12 | 20 |
| AT20 | 5 | 5 | 6 | 8 | 12 | 20 | 30 |
| XL | 2 | 2 | 3 | 4 | 6 | 8 | 10 |
| L | 3 | 3 | 4 | 5 | 7 | 10 | 16 |
| H | 4 | 5 | 6 | 7 | 10 | 12 | 20 |
| XH | 5 | 5 | 6 | 8 | 12 | 20 | 30 |
| HTD5 | 2 | 2 | 3 | 4 | 6 | 8 | 10 |
| HTD8 | 3 | 3 | 4 | 5 | 6 | 9 | 12 |
| HTD14 | - | 5 | 6 | 6 | 7 | 10 | 13 |

All measurements and tolerances are based on experience and provided without guarantee.