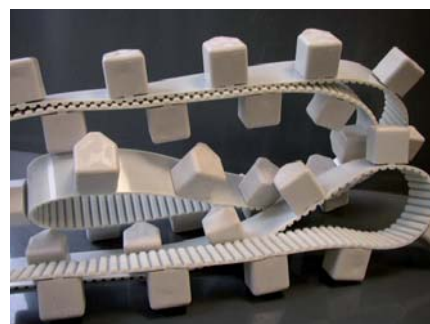
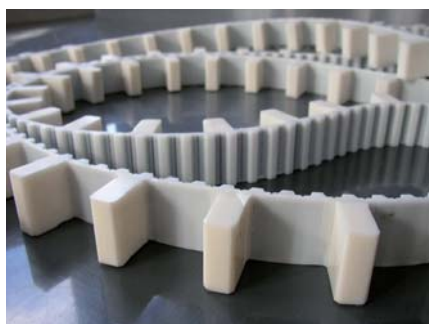
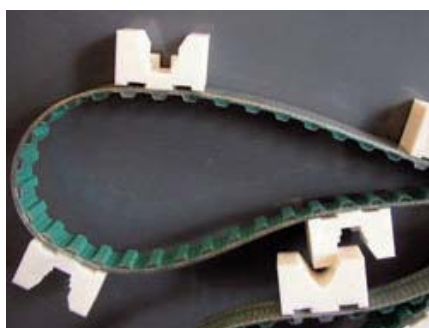
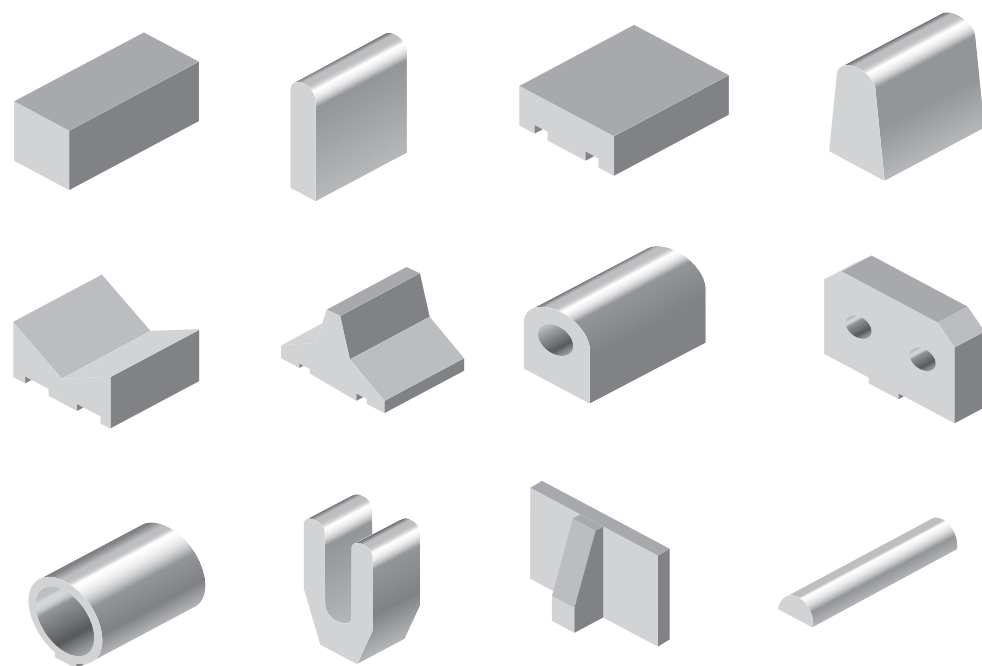




Profiles / cleats

Many special, innovative tasks required in the material flow, such as pacing, separating or positioning, can be realized by adding profiles/cleats and entraining elements to the belts. Profiles and entraining elements are made of the same high-quality polyurethane as our timing belts, are machined as sheets or injection molded. They are available in different blends and degrees of hardness, with glass-fiber reinforcement and in matching colors. The profiles and entraining elements are homogeneously fastened to the belt by welding or bonding. In view of our production methods, the cleats can be formed into any shape.



Welding on cleats

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

Maximum thickness of cleat in mm when welded into position opposite from the tooth.

Type / No. of teeth	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 thickness of cleat in mm when welded into position opposite from the tooth space.

Type / No. of teeth	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 data and tolerances are empirical values without guarantee.