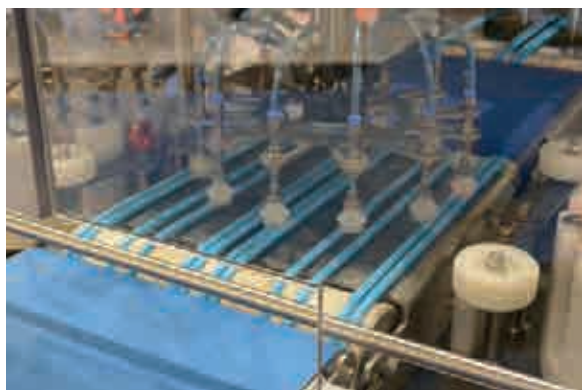


SPECIAL PRODUCTS
Megaweld, Covers, Cleats,
False Teeth, PPJ System, Special Modifications



MEGAWELD

Thermoweldable belts



MEGAWELD thermoplastic polyurethane, trapezoidal and round belts are manufactured by a unique extrusion process. They are suitable for a wide range of applications and industries.

MEGAWELD are used for conveying or for light power transmission in the following areas:

- ceramic industry
- glass industry
- wood industry
- brick and tile industry
- gardening and horticulture
- packagin industry
- paper and board industry
- pharmaceutical industry
- food industry
- robotic systems
- automotive



| V-belts | | |
|------------------|------------------|-------------------|
| Code | Hardness | Section |
| PT85 / PTD85 | 85 ShA | Z / A / B / C / D |
| PT85RK / PTD85RK | 85 ShA | Z / A / B / C / D |
| PT90 / PTD90 | 90 ShA | Z / A / B / C / D |
| PT90RK / PTD90RK | 90 ShA | Z / A / B / C / D |
| PT100 / PTD100 | 100 ShA – 55 ShD | Z / A / B / C |



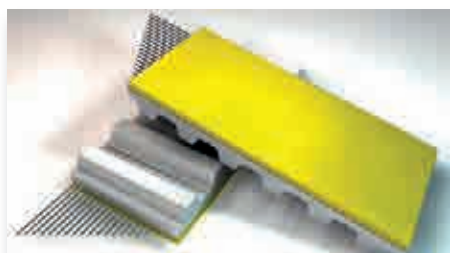
| Round belt | | |
|------------|----------|--------------|
| Code | Hardness | Section |
| PR85 | 85 ShA | Ø 3 :- 18 mm |
| PR85NL | 85 ShA | Ø 2 :- 15 mm |
| PR85RK | 85 ShA | Ø 6 :- 18 mm |
| PR90 | 90 ShA | Ø 2 :- 18 mm |

COVERS

Megadyne offers a variety of coverings in Polyurethane, elastomer, foam, PVC and other unique solutions. See below some examples. Choose the covering that interests you or request for more information to our OEM team, we will suggest the right solution.



AVAFC 60/70/85 ShA - Coating used for conveying abrasive materials, with high friction coefficient, very good resistance to oil and to abrasion.



Z COVER - Coating used for vacuum conveying systems, with good resistance to friction, good resistance to oil and to abrasion.



APL - Coating used for conveying very different materials, with high friction coefficient and good resistance to oils and wear.



FISHBONE - Coating used for conveying system in the glass industry, with high friction coefficient and very good resistance to oil.



RIBBED - Coating used for the packaging industry, with high friction coefficient and very good resistance to oil.

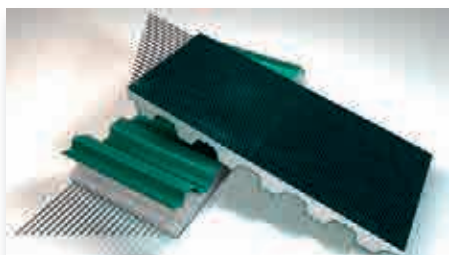


PVC SUPERGRIP - Coating used for conveying very different materials like wood and paper, using materials with good friction resistance and good resistance to water and oil.

COVERS



SILOMER - Coating used for conveying fragile items, using materials with high friction coefficient and intermediate resistance to oils and greases.



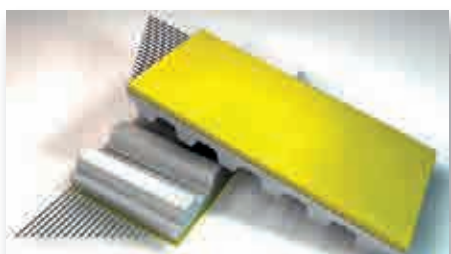
NFT/NFB NYLON FABRIC TEETH - Coating used for conveying system, with low friction coefficient and intermediate resistance to oils but good to water.



RED GRIP - Coating used for conveying very different materials, with high friction coefficient, good resistance to water and very good resistance to oils and abrasion.



BLUE GRIP - Butadiene Rubber Cover 60 ShA with a improved abrasion resistance and a high friction. Universally applicable as alternative to Linatex. Available only on rubber base belts in "one shot" curing.



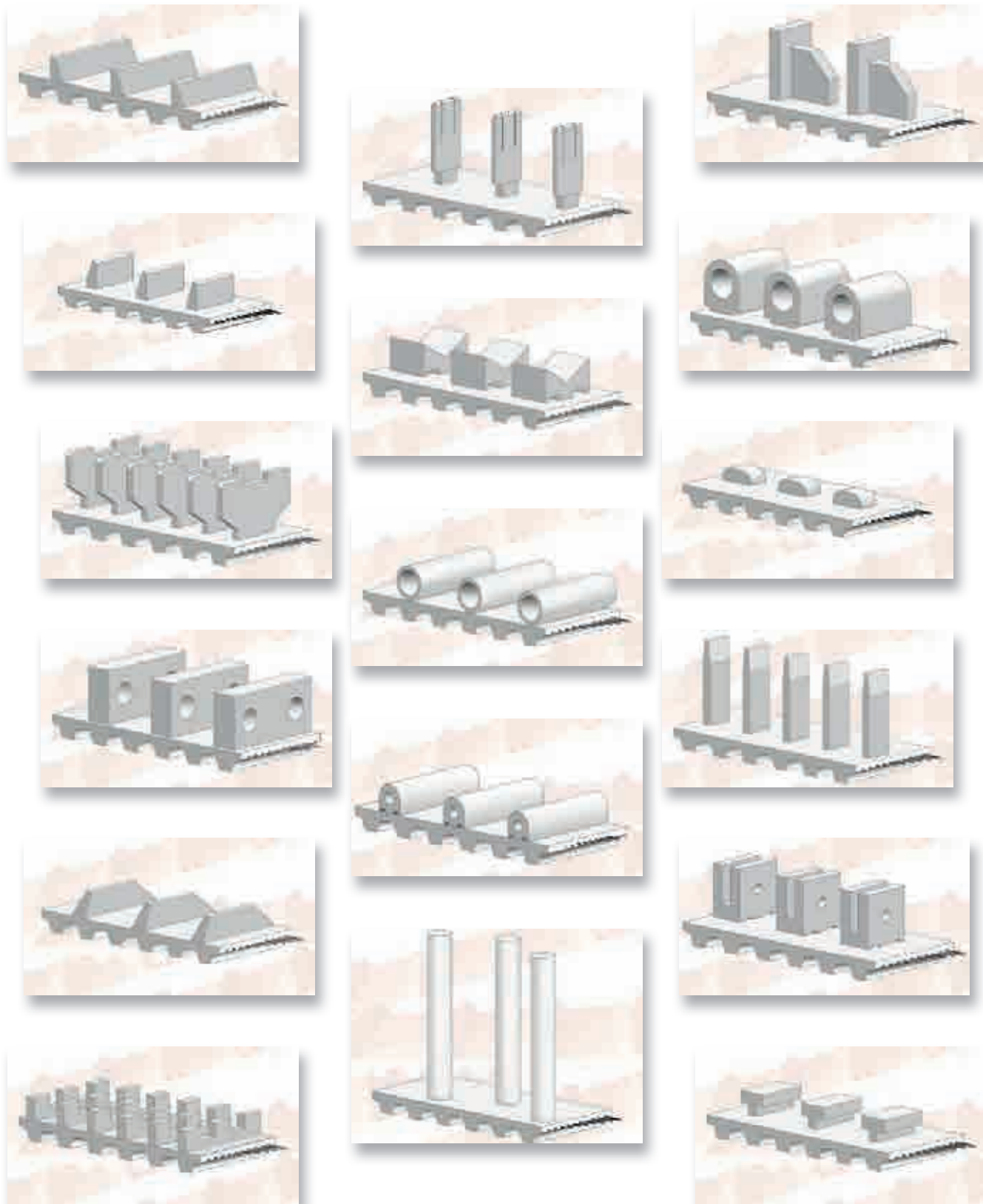
PU YELLOW FOAM -Sprayed endless, available in different hardness and colours Widely-used foam with very good abrasion resistance. Used in paper and glass industry. Due to easy mechanical processing very popular for vacuum transport application.



DURATAQ - Natural Premium Rubber Cover with specific designed compound to reach a very good abrasion resistance with a very high coefficient of friction. Successfully installed in medium and heavy load conveyance as cable puller applications. Available only endless molded.

CLEATS

Megadyne timing belts can be customised by vulcanizing profiles vulcanized on their back. All the cleats are made using thermoplastic polyurethane. The cleats are attached using high frequency vibration welding. The production process for these profiles is very flexible; Megadyne can design any profile to meet the specific customer requirement.



FALSE TEETH

Megadyne has developed a new solution of mechanical profile application system specially designed for attaching cleats that cannot be welded onto polyurethane timing belts: FALSE TOOTH SYSTEM (FTS).

This mechanical mounting system for timing belts allows quick and easy exchange of individually designed cleats of different material (steel, urethane, UHMW, plastic, wood).

Now it is available a wide range of metallic false teeth with highly versatile and innovative system for attaching cleats in various positions, allowing synchronized feeding and product handling.

The belt can run smoothly around pulleys because the threaded inserts are embedded within the milled teeth.

FTS ADVANTAGES INCLUDE:

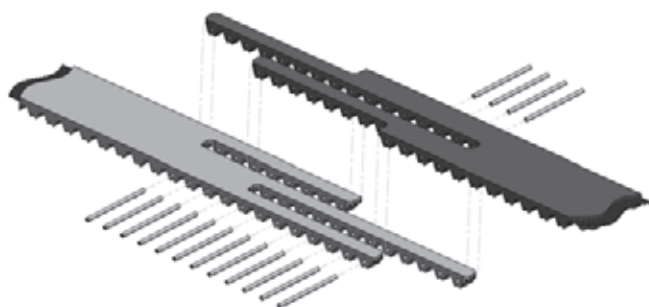
- Easy exchange at any time.
- Can transmit much higher loads than welded profiles.
- Low cost in spare part in case of wear and tear.
- Reduction cost in assembly.
- Easy cleats fixing operation.
- Different cleat's material can be used.
- False tooth in stainless steel suitable for food & pharmaceutical industry.
- Not need to remove the belt in case of cleats replacement.
- High precision on profile positioning.
- Available on MEGALINEAR JOINED, MEGAFLEX and MEGAPOWER in all possible executions as NFT or NFB, FDA, steel, aramid or stainless steel cord, with or without self-tracking guide.



PPJ SYSTEM

Technical features

- Reduced load capacity when compared to standard joined belts
- Created to allow the jointing of belts directly on the machine
- Allows a very fast belt replacement
- The back of the belts is virtually flat
- Born for conveying applications only, max suggested speed is 120 m/min
- Pin materials according to AISI302
- Rolls with NFT, NFB, AVAFC, APL, Fishbone, Ribbed and Supergrip can be PPJed
- Minimum splice length of 700 mm



STOP to maintenance shutdowns

| SECTION | Width* (mm) | Length* (mm) |
|----------|----------------|-----------------|
| T10 25 | 25 | 180 |
| T10 32 | 32 | 220 |
| T10 50 | 50 | 220 |
| T10 75 | 75 | 240 |
| T10 100 | 100 | 320 |
| T20 32 | 32 | 260 |
| T20 50 | 50 | 320 |
| T20 75 | 75 | 340 |
| AT10 25 | 25 | 180 |
| AT10 32 | 32 | 220 |
| AT10 50 | 50 | 220 |
| AT10 75 | 75 | 240 |
| AT10 100 | 100 | 320 |
| AT20 32 | 32 | 260 |
| AT20 50 | 50 | 320 |
| AT20 75 | 75 | 340 |
| MTD8 20 | 20 | 128 |
| MTD8 30 | 30 | 176 |
| MTD8 50 | 50 | 176 |
| MTD8 85 | 85 | 192 |
| MTD8 100 | 100 | 256 |
| RPP8 20 | 20 | 128 |
| RPP8 30 | 30 | 176 |
| RPP8 50 | 50 | 176 |
| RPP8 85 | 85 | 192 |
| RPP8 100 | 100 | 256 |
| TG10 50 | 50 | 220 |
| ATG10 50 | 50 | 220 |

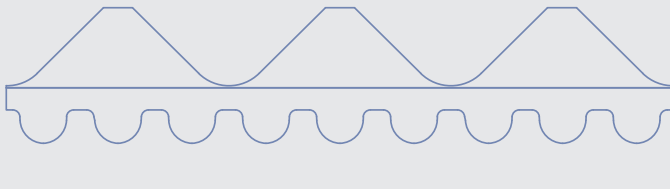
*For different widths and/or lengths please contact us

SPECIAL MODIFICATIONS

Megadyne can make special extrusions on customer request to enhance specific belt properties and to better suit special applications.

Process enhancements, skilled personnel, a can-do attitude and ongoing capital equipment investments enable Megadyne to stay at the forefront of new design developments and solution delivery to customers across the spectrum of industries we serve. Let a Megadyne Technical Sales and Application Engineer create the right belt to deliver optimum performance for your application.

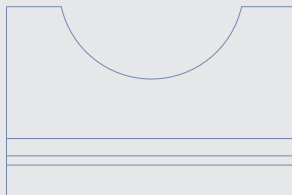
PROFILES GROUND IN COVER



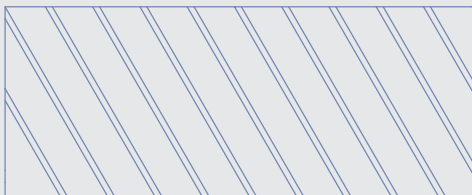
LUG GRIND



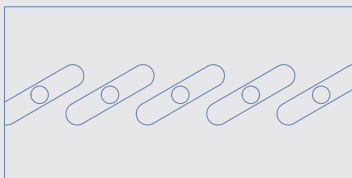
CONVEX GRIND



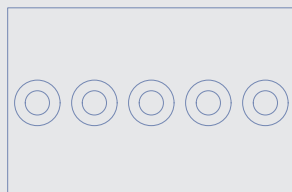
DIAGONAL GROOVES



SLOTS WITH HOLES



COUNTERSINKS WITH HOLES



PROFILES GROUND IN COVER

A belt back can be ground to achieve a precise belt thickness as an adjunct to precision drives. When belt back grinding to a tolerance is required, the total thickness, including the tooth, must be specified.

LONGITUDINAL REWORK

Longitudinal rework along the belt back is possible on covered and uncovered belts. The profile can be machined precisely for required function. The measurement is given as the depth on the belt back. Most widths and lengths are available.

HOLES IN TIMING BELTS

Holes in timing belts can be for vacuum or air film conveying or as clearance for assembly mechanisms. Stops and cams can be attached through the holes. Customized tooling may be required depending on the layout and dimensions of holes required.

