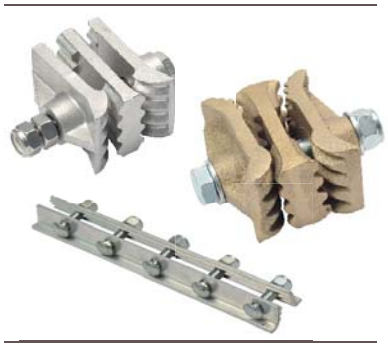
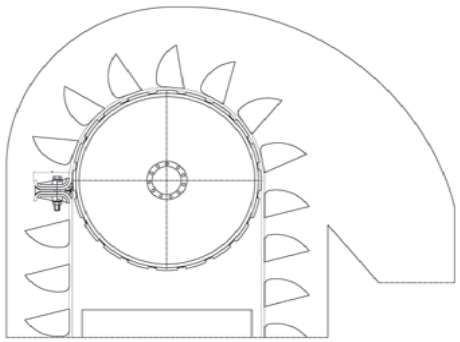
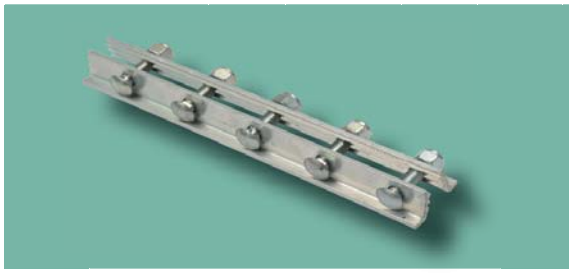




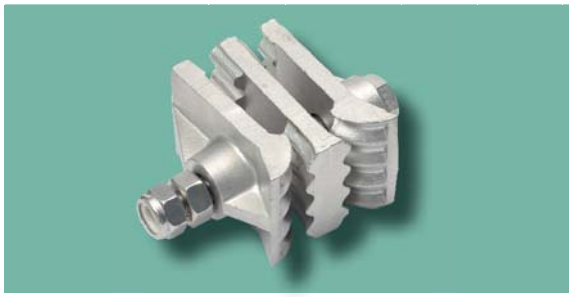
GRIPWELL, CI & AB ELEVATOR BELT FASTENERS

TECHNICAL SPECIFICATION - GRIPWELL ELEVATOR BELT FASTENER



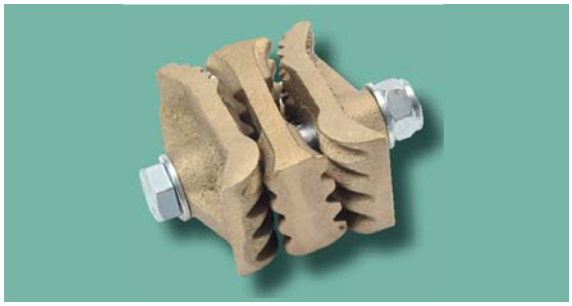
- aluminium
- complete with M8 x 35 mm bolts class 4.8 at C/C *40* mm, zinc and nylock bolts DIN 985
- weight 109 gram per 100 mm
- suitable for Polysur elevator belt constructions EP 500/3 en 630/4 up to max. 300 mm in width and for use in belt bucket elevators with a height of <25 meter

TECHNICAL SPECIFICATION - MAXI-CI ELEVATOR BELT FASTENER



- zinc steel casting or stainless steel
- segment width 50 mm
- zinc steel casting belt fastener compleet with 1 x M12 x 110 mm bolt class 8.8, zinc and 1 x hexagon nut DIN 934 and 1 x nylock nut DIN 985, weight 980 gram per complete segment
- Stainless steel belt fastener complete with 1 x M12 x 110 mm bolt class A4-70 and 1 x stainless steel hexagon nut DIN 934 and1 x stainless steel nylock nut DIN985, weight 963 gram per complete segment
- suitable for Polysur elevator belt constructions EP 500/3 en 630/4

TECHNISCHE SPECIFICATIES - MAXI-AB ELEVATORBANDVERBINDER



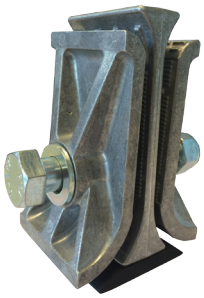
- manganese bronze
- non-sparking, non-corroding and non-rusting
- segment width 50 mm
- complete with 1 x M14 x 120 mm bolt class 8.8, zinc and 2 x M14 flat washer DIN 9021 and 1 x M14 nylock nut DIN 985
- weight per complete segment 1385 gram
- suitable for Polysur elevator belt constructions EP 630/4, 800/4 and 1000/5

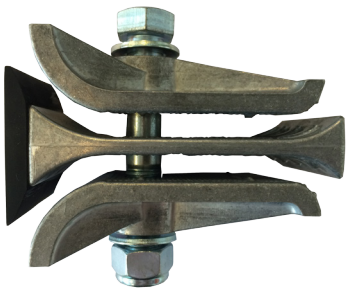
(Fig. 1)

- Please contact your Muller Beltex representative to advice you on the recommended elevator belt fastener.

- Elevator belt fastener type MAXI-CI en MAXI-AB are supplied together with a template-sticker. A sample of this can be seen under Fig. 1. This template-sticker can be fitted on the elevator belt to drill the holes for the belt fastener bolts.

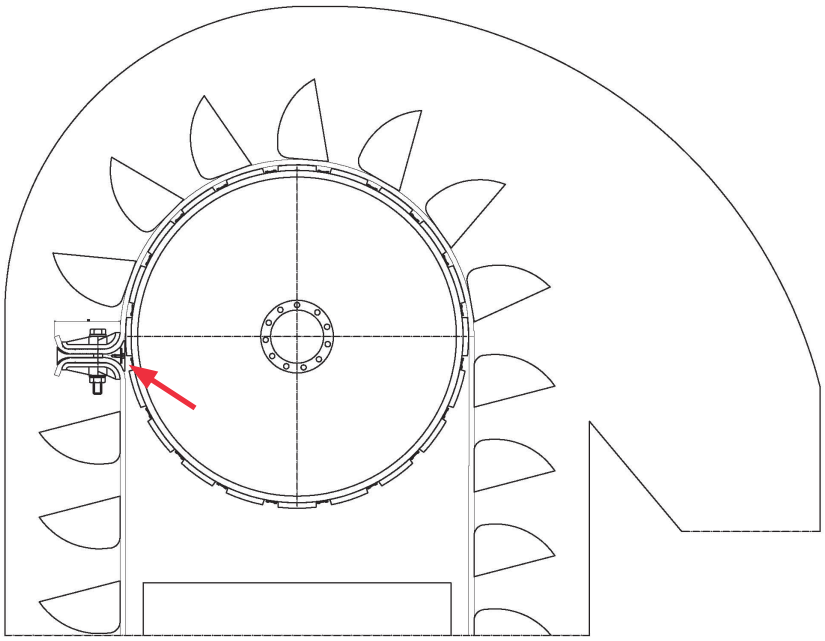
muller|beltex





THE WORKING OF THE MAXI-ULTRA IS BASED ON CLAMPING FORCES AND FRICTION

The joint area between the two elevator belt ends is the first area where wear will take place. The exact location where this occurs is where the fastener is caught by the drive pulley. In the sketch below the exact location is indicated by a red arrow. The unique removable rubber wear part that is fitted on the aluminium wedge section of the Maxi-Ultra wears down rather than the surface of the elevator belt.



The preferred method of making elevator belts endless is by using mechanical belt fasteners and because the belt fastener consists out of segments, it is able to follow the crowning on the surface of the pulleys resulting in quieter and better tracking. The two elevator belt ends are bend off at a 90° angle and the radius in the belt fastener has also been carefully designed for use in combination with the more thicker elevator belts, securing that the belt ends will not bend off to drastically, resulting in stress on this section of the belt.

m|b ENGINEERED PRODUCT

MAXI-ULTRA

Materiaal

- High quality aluminium upper, wedge and lower part, 60 mm wide.
- Aluminium wedge section fitted with a removable oil and grease-resistant rubber wear part.
- DIN 931 hexagon bolt M16 x 100 mm, partially threaded, galvanised, class 8.8.
- 2 x M16 flat washer, galvanised.
- DIN 985 Nylock nut M16, galvanised.

Features

- Lightweight. 25% lighter than our steel Maxi-CI and 47% lighter than our bronze Maxi-AB fasteners.
- Very strong grip on the belt due to unique gripping teeth in combination with an M16 hexagonal bolt, class 8.8.
- Corrosion resistant
- Non-sparking

Usable on Polysur® belt constructions

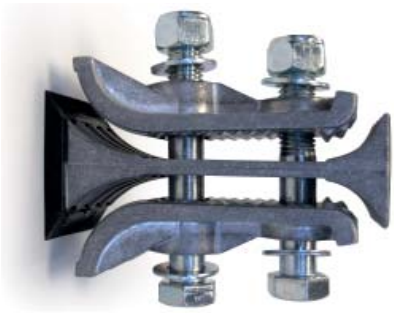
- 630/4
- 800/4
- 1000/5

Advantages

- Usable virtually universally with various belt thicknesses due to the radius in the fastener.
- Usable with elevator bucket projection >120 mm.
- Wear of the removable rubber wear piece on the aluminium wedge section instead of wear on the surface of the elevator belt.
- Simple and quick installation due to supplied drilling template sticker.

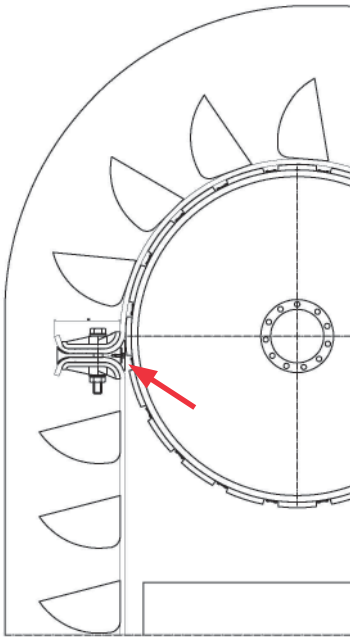
Replaceable oil and grease-resistant wear rubber fitted on the aluminium wedge part of the fastener by two Allen bolts.

muller|beltex



THE WORKING OF THE MAXI-SUPER IS BASED ON CLAMPING FORCES AND FRICTION

The joint area between the two elevator belt ends is the first area where wear will take place. The exact location where this occurs is where the fastener is caught by the drive pulley. In the sketch below the exact location is indicated by a red arrow. The unique removable rubber wear part that is fitted on the aluminium wedge section of the Maxi-Super wears down rather than the surface of the elevator belt.



The preferred method of making elevator belts endless is by using mechanical belt fasteners and because the belt fastener consists out of segments, it is able to follow the crowning on the surface of the pulleys resulting in quieter and better tracking. The two elevator belt ends are bend off at a 90° angle and the radius in the belt fastener has also been carefully designed for use in combination with the more thicker elevator belts, securing that the belt ends will not bend off to drastically, resulting in stress on this section of the belt.

DESIGNED ENGINEERED by Muller Beltex

MAXI-SUPER

Material

- High quality aluminium upper, wedge and lower part, 75 mm wide.
- Aluminium wedge section fitted with a removable oil and grease-resistant rubber wear part.
- 1 x DIN 931 hexagon bolt M20 x 140 mm, partially threaded, galvanised, class 8.8 and 1 x DIN 931 hexagon bolt M20 x 120 mm, partially threaded, galvanised, class 8.8.

Features

- Lightweight. 2210 gram per segment.
- Very strong grip on the belt due to unique gripping teeth in combination with an M20 hexagon bolt, class 8.8.
- Corrosion resistant
- Non-sparking

Usable on Polysur® belt constructions

- 1000/5 with 3+3 mm rubber covers instead of the standard 2+2 mm rubber covers
- 1250/5 elevator belt construction
- 1600/5 elevator belt construction
- 2000/5 elevator belt construction

Advantages

- Usable for elevator belt constructions with a thickness of >12 mm due to the radius in the fastener.
- Usable with elevator bucket projection >170 mm.
- Wear of the removable rubber wear piece on the aluminium wedge section instead of wear on the surface of the elevator belt.
- Simple and quick installation due to supplied drilling template sticker.

Replaceable oil and grease-resistant wear rubber fitted on the aluminium wedge part of the fastener by two Allen bolts.

muller|beltex