

Belt Maintenance Equipment - Belt Lacing >750 kN/m



mato

Catalogue 2024-HD



MATO GmbH & Co KG, Main Production Facility and Administration Headquarters, Mühlheim a. M., Germany

QUALITY
GLOBAL INNOVATION
STRONG CUSTOMER FOCUS

The strategy is geared to staying true to the principles of MATO's corporate philosophy

Our innovative products define the advances in the maintenance of conveyor belts and in the handling of lubricants and fuels. We shape technical standards and open up new, more productive options for users.

KEEPING TECHNOLOGY IN MOTION -

Strong customer focus, the highest product quality and reliability, loyalty and stability – these are what our name stands for!

Just a few years after its foundation in Offenbach in 1906, MATO began marketing its products not only on the domestic market but also in neighbouring countries. Products from both divisions quickly gained international popularity. MATO therefore recognised the importance of local presences (business partners) in core markets at an early stage to be closer to its customers. Over the years, the export share has steadily increased, so that MATO began to set up its own subsidiaries in the early 1980s, partly with its own production facilities in the UK, South Africa, France, Spain, later followed by Australia, USA, Russia, Ukraine and China.

Today, MATO has a global network consisting of the headquarters in Germany, numerous subsidiaries and sales partners. Together, they offer a strong sales and service network in most markets. This global presence provides the best conditions for close cooperation with our customers. Our products are used in many safety-relevant areas, e.g. mining, agriculture, automotive and aviation industries. In these areas and many more, our products help to make applications safe and efficient.

In order to be able to offer our customers the best possible product, uncompromising quality is essential, which includes the entire supply chain right through to delivery to the customer.

Managing Directors:

Daniel Weidner and Holm Schlicke

Member of the group



BELT MAINTENANCE EQUIPMENT FOR HIGH TENSILE CONVEYOR BELTS



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Learn more



Machine Installed Plate Fasteners

U60, U30, S30S und E30

- ① U60 – Highest safety and wear resistance**
Fasteners U60 are another step-up compared to our U30 Fasteners, so far the safest and the highest performance mechanical Fasteners worldwide. Additionally, Fasteners U60 have a deeper reachback and higher plate thickness, for more safety and wear resistance.
- ② High Performance Fastener U30 – Best solution for regular wear resistance**
The High Performance System is extremely effective when installed in high strength belts where safety and reliability is essential. The main applications are: Coal Mining, Ore Mining, Gravel Pits and Quarries, Cement Plants, Snowcats, Industry.
- ③ S30S-System – Special protection against corrosion due to stainless steel staples**
The S30S-System is used in applications where high corrosion is a problem. In comparison to U30, the S30S has stainless steel staples with press fit specialised to the material combinations.
- ④ Eco-Fastener E30 – Your choice for regular and short runtime**
The E30-System is used in applications with regular and short runtime. In comparison to U30, the E30 has special steel staples and carbon steel plates. The press fit of the staples is specialised to the material combinations.

Features

The outstanding features are:



Selection Chart

Material combinations:

Plate	Staple
Cr (S) Steel	Spring Steel
Cr (S) Steel	CrNi (SS) Steel
Carbon Steel	Special Steel

Notice:
Thicker belts can be skived (covers) to fit.

mm	mm															kN/m
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
250			U35A													up to 1050
			S35AS													
			E35A													
					U35											
					S35BS											
					E35B											
350					U37A											up to 1400
					S37AS											
					E37A											
						U37										
						S37BS										
						E37B										
500									S37CS							up to 1800
									E37C							
					U67A											
						U67										
								U67C								
									U67D							
600									U38A							up to 3500
										U38						
								U68A								
											U68					

Belt Width	Belt Thickness	Weight	Order No.
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Belt Fastener U67A - Standard

Belt Strength up to 1800 kN/m

Minimum Pulley Diameter 500 mm

up to 1000 mm	8 - 12 mm	4.8 kg	41 157 08 10
up to 1200 mm	8 - 12 mm	5.6 kg	41 157 08 11
up to 1400 mm	8 - 12 mm	6.5 kg	41 157 08 12

Belt Fastener U67 - Standard

Belt Strength up to 1800 kN/m

Minimum Pulley Diameter 500 mm

up to 1000 mm	10 - 14 mm	4.8 kg	41 167 01 17
up to 1200 mm	10 - 14 mm	5.6 kg	41 167 01 18
up to 1400 mm	10 - 14 mm	6.5 kg	41 167 01 19

Belt Fastener U67C - Standard

Belt Strength up to 1800 kN/m

Minimum Pulley Diameter 500 mm

up to 1000 mm	12 - 16 mm	4.8 kg	41 167 00 13
up to 1200 mm	12 - 16 mm	5.6 kg	41 167 00 15
up to 1400 mm	12 - 16 mm	6.5 kg	41 167 00 14

Belt Fastener U67D - Standard

Belt Strength up to 1800 kN/m

Minimum Pulley Diameter 500 mm

up to 1000 mm	15 - 18 mm	4.8 kg	41 167 00 17
up to 1200 mm	15 - 18 mm	5.6 kg	41 167 00 16
up to 1400 mm	15 - 18 mm	6.5 kg	41 167 00 18

Belt Fastener U68A - Standard

Belt Strength up to 4000 kN/m

Minimum Pulley Diameter 600 mm

up to 1000 mm	12 - 15 mm	4.8 kg	41 168 15 00
up to 1200 mm	12 - 15 mm	5.6 kg	41 168 15 12
up to 1400 mm	12 - 15 mm	6.5 kg	41 168 15 14

Belt Fastener U68 - Standard

Belt Strength up to 4000 kN/m

Minimum Pulley Diameter 600 mm

up to 1000 mm	15 - 18 mm	4.8 kg	41 168 14 44
up to 1200 mm	15 - 18 mm	5.6 kg	41 168 14 45
up to 1400 mm	15 - 18 mm	6.5 kg	41 168 14 46



Properties:

- High compression into the belt
- Press fit of staples
- Staple guard
- Cold forged plate with loops for highest strengths
- High wear resistant plate material (chromium steel)
- High tensile spring steel staples

Material:

Staple: Spring Steel
Plate: Stainless Chromium Steel

Pricing:

Based on boxes with Fastener Strips of 200 mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width.

(without Connecting Pin)

Belt Width	Weight	Order No.
Screw Clamping Frame SS 68 (Stainless Steel)		
up to 1200 mm	33.6 kg	41 129 44 17
up to 1400 mm	36.2 kg	41 129 44 18
up to 1600 mm	40.0 kg	41 129 44 19
Screw Clamping Frame MF 68 (Stainless Steel)		
up to 1200 mm	39.6 kg	42 160 20 13
up to 1400 mm	43.3 kg	42 160 20 12
up to 1600 mm	47.4 kg	42 160 20 11

Usage notes:

With Lacers LM 35-68 and YMD-2SI as well as Machine Skivers XTV. For installation of Fastener series U68.

Picture see page 15

For use with Lacers LM 35-68 and YMD-2SI as well as Machine Skivers XTV / XTV-BS. For installation of Fastener series U68. Speed up the installation process and minimizes errors.

Picture see page 15

Description	Weight	Order No.
Lacers with manual transport		
Pneumatic Lacer LM35-68	24.0 kg	41 130 40 12
Hydraulic Lacer YMD-2SI		
Hydraulic Lacer YMD-2SI	21.7 kg	41 304 44 50

Usage notes:

With Frames SS-68 and MF-68. Pneumatic Lacer LM 35-68 installs all Fasteners of the series U68 / U68A. Driven by compressed air 4-8 bar.

Picture see page 15

With Frames SS-68 and MF-68. Hydraulic Lacer YMD-2SI installs all Fasteners of series U60. Driven by hydraulic power, pressure range 120 - 160 bar / 8l / min.

Picture see page 16

Machine Skiver U68		
Machine Skiver XTV-BS	6.9 kg	42 124 00 07
Skiving on both sides		
Machine Skiver XTV	6.9 kg	42 124 00 10
Skiving on one side		

Reduction of cover thickness of conveyor belts. For use with Frames MF and SS. Belt thickness 7-31 mm. Skiving on both sides together with Frame MF only. Blade XTV can be adjusted to skiving depth, enables cleaner friendly skiving. Crank Drive.

Picture see page 17

Belt Width	Belt Thickness	Weight	Order No.
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Belt Fastener U35A - Standard

Belt Strength up to 1050 kN/m

Minimum Pulley Diameter 250 mm

up to 1000 mm	5 - 9 mm	2.6 kg	41 114 14 29
up to 1200 mm	5 - 9 mm	3.1 kg	41 114 14 30
up to 1400 mm	5 - 9 mm	3.6 kg	41 114 14 31

Belt Fastener U35 - Standard

Belt Strength up to 1050 kN/m

Minimum Pulley Diameter 250 mm

up to 1000 mm	7 - 11 mm	2.7 kg	41 114 07 16
up to 1200 mm	7 - 11 mm	3.2 kg	41 114 07 12
up to 1400 mm	7 - 11 mm	3.7 kg	41 114 07 10

Belt Fastener U37A - Standard

Belt Strength up to 1400 kN/m

Minimum Pulley Diameter 350 mm

up to 1000 mm	8 - 12 mm	3.2 kg	41 114 15 54
up to 1200 mm	8 - 12 mm	3.8 kg	41 114 08 12
up to 1400 mm	8 - 12 mm	4.5 kg	41 114 08 16

Belt Fastener U37 - Standard

Belt Strength up to 1400 kN/m

Minimum Pulley Diameter 350 mm

up to 1000 mm	10 - 14 mm	3.2 kg	41 114 00 18
up to 1200 mm	10 - 14 mm	3.9 kg	41 114 00 15
up to 1400 mm	10 - 14 mm	4.5 kg	41 114 00 12

Belt Fastener U38A - Standard

Belt Strength up to 3500 kN/m

Minimum Pulley Diameter 500 mm

up to 1000 mm	12 - 15 mm	4.2 kg	41 114 15 21
up to 1200 mm	12 - 15 mm	5.0 kg	41 114 14 22
up to 1400 mm	12 - 15 mm	5.8 kg	41 114 14 14

Belt Fastener U38 - Standard

Belt Strength up to 3500 kN/m

Minimum Pulley Diameter 500 mm

up to 1000 mm	15 - 18 mm	4.2 kg	41 114 14 16
up to 1200 mm	15 - 18 mm	5.0 kg	41 114 14 19
up to 1400 mm	15 - 18 mm	5.9 kg	41 114 17 82



Properties:

- High compression into the belt
- Press fit of staples
- Staple guard
- Cold forged plate with loops for highest strengths
- High wear resistant plate material (chromium steel)
- High tensile spring steel staples

Material:

Staple: Spring Steel
Plate: Stainless Chromium Steel

Pricing:

Based on boxes with Fastener Strips of 200 mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width.

(without Connecting Pin)

Belt Width	Belt Thickness	Weight	Order No.
Belt Fastener U35A+ - Sealed			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	5 - 9 mm	2.7 kg	41 114 15 47
up to 1200 mm	5 - 9 mm	3.2 kg	41 114 07 35
up to 1400 mm	5 - 9 mm	3.8 kg	41 114 07 09
Belt Fastener U35+ - Sealed			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	7 - 11 mm	2.8 kg	41 114 07 17
up to 1200 mm	7 - 11 mm	3.3 kg	41 114 07 18
up to 1400 mm	7 - 11 mm	3.9 kg	41 114 07 08
Belt Fastener U37A+ - Sealed			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	8 - 12 mm	3.3 kg	41 114 15 55
up to 1200 mm	8 - 12 mm	4.0 kg	41 114 15 56
up to 1400 mm	8 - 12 mm	4.6 kg	41 114 15 59
Belt Fastener U37+ - Sealed			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	10 - 14 mm	3.4 kg	41 114 00 21
up to 1200 mm	10 - 14 mm	4.0 kg	41 114 00 22
up to 1400 mm	10 - 14 mm	4.7 kg	41 114 00 24
Belt Fastener U38A+ - Sealed			
Belt Strength up to 3500 kN/m		Minimum Pulley Diameter 500 mm	
up to 1000 mm	12 - 15 mm	4.3 kg	41 114 15 22
up to 1200 mm	12 - 15 mm	5.2 kg	41 114 14 18
up to 1400 mm	12 - 15 mm	6.1 kg	41 114 14 15
Belt Fastener U38+ - Sealed			
Belt Strength up to 3500 kN/m		Minimum Pulley Diameter 500 mm	
up to 1000 mm	15 - 18 mm	4.3 kg	41 114 15 27
up to 1200 mm	15 - 18 mm	5.2 kg	41 114 14 23
up to 1400 mm	15 - 18 mm	6.2 kg	41 114 14 95



Properties:
Polyurethane Sealing prevents spillage of the material and increases lifetime of the Connecting Pin by a grease filling.

Material:
Staple: Spring Steel
Plate: Stainless Chromium Steel

Pricing:
Based on boxes with Fastener Strips of 200 mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width.

(without Connecting Pin)

Belt Width	Belt Thickness	Weight	Order No.
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Belt Fastener S35AS - Standard

Belt Strength up to 1050 kN/m

Minimum Pulley Diameter 250 mm

up to 1000 mm	5 - 9 mm	2.6 kg	41 114 07 68
up to 1200 mm	5 - 9 mm	3.1 kg	41 114 07 50
up to 1400 mm	5 - 9 mm	3.6 kg	41 114 07 44

Belt Fastener S35BS - Standard

Belt Strength up to 1050 kN/m

Minimum Pulley Diameter 250 mm

up to 1000 mm	7 - 11 mm	2,7 kg	41 114 07 73
up to 1200 mm	7 - 11 mm	3,2 kg	41 114 07 42
up to 1400 mm	7 - 11 mm	3,7 kg	41 114 07 45

Belt Fastener S37AS - Standard

Belt Strength up to 1400 kN/m

Minimum Pulley Diameter 350 mm

up to 1000 mm	8 - 12 mm	3.2 kg	41 114 07 56
up to 1200 mm	8 - 12 mm	3.8 kg	41 114 07 48
up to 1400 mm	8 - 12 mm	4.5 kg	41 114 07 46

Belt Fastener S37BS - Standard

Belt Strength up to 1400 kN/m

Minimum Pulley Diameter 350 mm

up to 1000 mm	10 - 14 mm	3.2 kg	41 114 07 61
up to 1200 mm	10 - 14 mm	3.9 kg	41 114 07 43
up to 1400 mm	10 - 14 mm	4.5 kg	41 114 07 47

Belt Fastener S37CS - Standard

Belt Strength up to 1400 kN/m

Minimum Pulley Diameter 500 mm

up to 1000 mm	13 - 16 mm	3.4 kg	41 114 07 80
up to 1200 mm	13 - 16 mm	4.1 kg	41 114 07 81
up to 1400 mm	13 - 16 mm	4.8 kg	41 114 07 64



Properties:

- High compression into the belt
- Staple guard
- Cold forged plate with loops for highest strengths
- High wear resistant plate material (chromium steel)
- Stainless Steel Staples

Material:

Staple: Stainless Steel

Plate: Stainless Chromium Steel

Pricing:

Based on boxes with Fastener Strips of 200 mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width.

(without Connecting Pin)

Belt Width	Belt Thickness	Weight	Order No.
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Belt Fastener S35AS+ - Sealed			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	5 - 9 mm	2.7 kg	41 114 07 69
up to 1200 mm	5 - 9 mm	3.2 kg	41 114 07 70
up to 1400 mm	5 - 9 mm	3.7 kg	41 114 07 85

Belt Fastener S35BS+ - Sealed			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	7 - 11 mm	2.8 kg	41 114 07 74
up to 1200 mm	7 - 11 mm	3.3 kg	41 114 07 75
up to 1400 mm	7 - 11 mm	3.9 kg	41 114 07 66

Belt Fastener S37AS+ - Sealed			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	8 - 12 mm	3.3 kg	41 114 07 57
up to 1200 mm	8 - 12 mm	4.0 kg	41 114 07 58
up to 1400 mm	8 - 12 mm	4.6 kg	41 114 07 67

Belt Fastener S37BS+ - Sealed			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	10 - 14 mm	3.4 kg	41 114 07 62
up to 1200 mm	10 - 14 mm	4.0 kg	41 114 07 63
up to 1400 mm	10 - 14 mm	4.7 kg	41 114 07 83

Belt Fastener S37CS+ - Sealed			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 500 mm	
up to 1000 mm	13 - 16 mm	3.6 kg	41 114 17 48
up to 1200 mm	13 - 16 mm	4.3 kg	41 114 17 49
up to 1400 mm	13 - 16 mm	5.0 kg	41 114 07 84



Properties:
Polyurethane Sealing prevents spillage of the material and increases lifetime of the Connecting Pin by a grease filling.

Material:
Staple: Stainless Steel
Plate: Stainless Chromium Steel

Pricing:
Based on boxes with Fastener Strips of 200 mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width.

(without Connecting Pin)

Belt Width	Belt Thickness	Weight	Order No.
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Belt Fastener E35A - Standard

Belt Strength up to 1050 kN/m

Minimum Pulley Diameter 250 mm

up to 1000 mm	5 - 9 mm	2.6 kg	41 114 07 38
up to 1200 mm	5 - 9 mm	3.1 kg	41 114 07 51
up to 1400 mm	5 - 9 mm	3.6 kg	41 114 92 01

Belt Fastener E35B - Standard

Belt Strength up to 1050 kN/m

Minimum Pulley Diameter 250 mm

up to 1000 mm	7 - 11 mm	2.7 kg	41 114 07 39
up to 1200 mm	7 - 11 mm	3.2 kg	41 114 07 40
up to 1400 mm	7 - 11 mm	3.7 kg	41 114 92 02

Belt Fastener E37A - Standard

Belt Strength up to 1400 kN/m

Minimum Pulley Diameter 350 mm

up to 1000 mm	8 - 12 mm	3.2 kg	41 114 07 54
up to 1200 mm	8 - 12 mm	3.8 kg	41 114 07 49
up to 1400 mm	8 - 12 mm	4.5 kg	41 114 92 03

Belt Fastener E37B - Standard

Belt Strength up to 1400 kN/m

Minimum Pulley Diameter 350 mm

up to 1000 mm	10 - 14 mm	3.2 kg	41 114 07 59
up to 1200 mm	10 - 14 mm	3.9 kg	41 114 07 41
up to 1400 mm	10 - 14 mm	4.5 kg	41 114 92 04

Belt Fastener E37C - Standard

Belt Strength up to 1400 kN/m

Minimum Pulley Diameter 500 mm

up to 1000 mm	13 - 16 mm	3.4 kg	41 114 07 76
up to 1200 mm	13 - 16 mm	4.1 kg	41 114 07 77
up to 1400 mm	13 - 16 mm	4.7 kg	41 114 92 05



Properties:

- Light compression into the belt
- Staple guard
- Cold forged plate with loops
- High wear resistant plate material
- High tensile special steel staples

Material:

Staple: Special Steel
Plate: Carbon Steel

Pricing:

Based on boxes with Fastener Strips of 200 mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width.

(without Connecting Pin)

Belt Width	Weight	Order No.
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Screw Clamping Frame S

up to 1000 mm	28.5 kg	41 129 43 01
up to 1200 mm	32.5 kg	41 129 44 01
up to 1400 mm	36.1 kg	41 129 46 01
up to 1600 mm	40.0 kg	41 129 47 01
up to 1800 mm	44.0 kg	41 129 48 02
up to 2000 mm	50.0 kg	41 129 58 01

Usage notes:

With Lacers HM, LM and YMD-2SI as well as Skivers S, HD and XTV. For installation of Fastener series U67, U30, S30S and E30.



Belt Width	Weight	Order No.
Screw Clamping Frame SS (Stainless Steel)		
up to 1000 mm	29.6 kg	41 129 44 05
up to 1200 mm	33.6 kg	41 129 44 07
up to 1400 mm	36.2 kg	41 129 44 08
up to 1600 mm	40.0 kg	41 129 44 09
up to 1800 mm	44.0 kg	41 129 44 10
up to 2000 mm	50.0 kg	41 129 44 11

Usage notes:

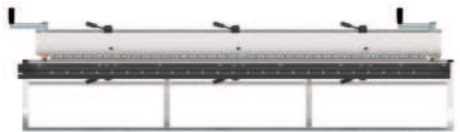
With Lacers HM, LM and YMD-2SI as well as Skivers S, HD and XTV. For installation of Fastener series U67,U30, S30S and E30.



Belt Width	Weight	Order No.
Screw Clamping Frame MF (Stainless Steel - makes belt handling easier)		
up to 1200 mm	39.6 kg	42 160 20 03
up to 1400 mm	43.3 kg	42 160 20 02
up to 1600 mm	47.4 kg	42 160 20 01
up to 1800 mm	51.7 kg	42 160 20 04
up to 2000 mm	59.0 kg	42 160 20 00

Usage notes:

With Lacers HM, LM, and YMD-2SI as well as Belt Skivers S, HD, XTV / XTV-BS. For installation of Fastener series U67, U30, S30S and E30. Quickens the installation process and minimizes errors.



Lacers with manual transport		
Manual Lacer HM 35-38	15.8 kg	41 129 40 02

With Frames S, SS and MF. The Manual Lacer HM 35-38 installs all Fasteners of the series U67, U30, S30S, E30. Driven by manual force.



Pneumatic Lacer LM 35-38	24.0 kg	41 129 40 30
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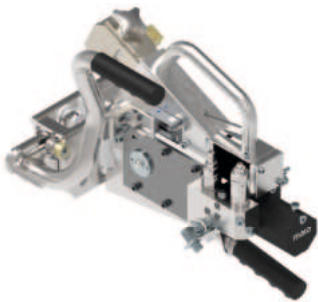
With Frames S, SS and MF. The Pneumatic Lacer LM 35-38 installs all Fasteners of the series U67, U30, S30S, E30. Driven by compressed air 4-8 bar.



Description	Weight	Order No.
Hydraulic Lacer		
YMD-2SI 35-68	21.7 kg	41 304 44 50

Usage notes:
For use with Frames S, SS and MF. The Hydraulic Lacer YMD-2SI 35-68 installs all Fasteners of the series U60, U30, S30S, E30. Driven by hydraulic power. Pressure range 120-160 bar / 8l /min.

Incl. Storage case



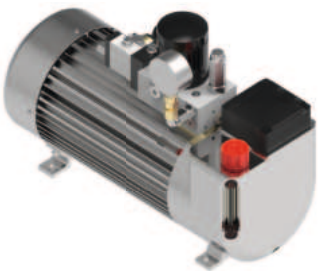
Description	Weight	Order No.
Storage Case		
YMD-2SI	9.8 kg	41 304 44 01

Usage notes:
Solid sheet metal Storage Case - it will ensure safe transport and storage of the Lacer YMD-2SI. It comes with a hinged cover and 2 swivelling handles. Measurements inside 470 x 248 x 348 mm (LxWxH).



Compact-Hydraulic Power Pack for Lacer YMD-2SI 35-68		
400 V / 50 Hz / 3 Phases	27.7 kg	41 304 44 12
110 V / 60 Hz / 1 Phase	34.8 kg	41 304 44 13
220 V / 60 Hz / 1 Phase	34.4 kg	41 304 44 14

Compact-Hydraulic Power Pack specially aligned for use with the Lacer YMD-2SI 35-68. Dual-circuit Power Pack with 120/140 bar, available in different electrical types. Suitable for continuous use with Lacer YMD-2SI 35-68.

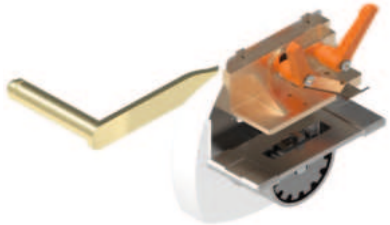


On request with CSA approval.

Description	Weight	Order No.
Machine Skiver S		
Size 5-20 mm	6.9 kg	42 123 00 04
Skiver Blade		
Size S	0.1 kg	42 123 00 06
Machine Skiver HD		
Size 15-30 mm	6.9 kg	42 124 00 04
Skiver Blade		
Size HD	0.1 kg	42 123 02 00
Machine Skiver XTV-BS		
Size 7-31 mm (Skiving on both sides)	7.1 kg	42 124 00 07
Machine Skiver XTV		
Size 7-31 mm (Skiving on one side)	6.9 kg	42 124 00 10
Skiver Blade		
XTV	0.1 kg	42 123 01 14
BS	0.1 kg	42 123 01 12

Usage notes:

In order to reduce top cover thickness of conveyor belts. To use with Frames S, SS and MF. Belt thickness range 5-20mm. Crank Drive.



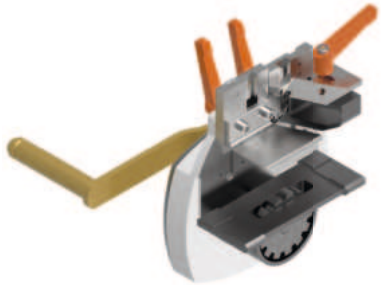
Skiver Blade S for Machine Skiver

In order to reduce top cover thickness of conveyor belts. To use with Frames S, SS and MF. Belt thickness range 15-30 mm. Crank Drive.



Skiver Blade HD for Machine Skiver

In order to reduce top cover thickness of conveyor belts. To use with Frames S, SS, and MF. Belt thickness range 7-31mm. Skiving on both sides at once only possible with Frame MF. Skiver Blade XTV can be adjusted to the skiving depth, it enables cleaner friendly skiving. Crank Drive.



S Skiver Blade XTV and Skiver Blade BS

Description	Weight	Order No.
Wave Master Systems WSS and Optimat		
Wave Master Kit (Metal Box) V2	3.8 kg	41 129 58 22
Installation Unit		
WSS	0,7 kg	43 121 34 40
Tension Ropes		
L=1800mm one end safety ferrule	0.8 kg	43 121 34 36
L=2600mm one end safety ferrule	1.1 kg	43 121 34 56
Optimat Installation Unit		
Installation Unit	1.8 kg	43 122 10 20
Optimat Pincer		
Pincer	0.4 kg	43 122 10 14
Tension Ropes		
Width 1000 two end safety ferrule	0.2 kg	43 122 10 15
Width 1200 two end safety ferrule	0.2 kg	43 122 10 04
Width 1400 two end safety ferrule	0.3 kg	43 122 10 05

Usage notes:
(Clamping Unit with Quick Clamping Device, 20 Tension Ropes with one end, safety ferrule (2600 mm), Pincer and Distance Holder).



(PU= 10 pieces) consists of Clamping Unit and Clamping Piece



(PU= 20 pieces) for WSS Installation Unit



(Measuring and Tensioning Block) In order to minimize wave and bowing when installing machine fasteners in high belt strengths.

For cutting Optimat Tension Ropes.



Tension Ropes for Optimat Installation Unit. (PU = 2 pieces)



Description	Weight	Order No.
Setting Gauge for Lacers and Skivers		
Setting Gauge	0.3 kg	43 122 10 10

Usage notes:
Setting Gauge for all types of Lacers and Machine Skivers S and HD.



Additional Accessories

Description	Weight	Order No.
Mark and Clamp		
Belt Marker	0.1 kg	38 559 70

Usage notes:
Belt Marker permanently marks conveyor belts. Marking depth approx. 0.8 mm, width approx. 2.0 mm.



Clamping Collar		
P1 Inside diameter 6 mm	0.1 kg	42 130 00 01
P2 Inside diameter 7 mm	0.1 kg	42 130 00 02
P3 Inside diameter 8 mm	0.1 kg	42 130 00 03

Clamping Collars are used to stop pin migration on low tensile applications. Available sizes for P1, P2, P3.



Installation Tools for Connecting Pins		
Hammer Pin Driver	1.1 kg	42 123 00 27

Ex I M2 c

for Plain Connecting Pins



Inserting Tool	1.4 kg	42 123 00 03
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Ex I M2 c

for Screw Connecting Pins



Inserting Tool SS1	1.2 kg	43 123 00 03
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with keyless chuck (not illustrated) | for Screw Connecting Pins

Description	Weight	Order No.
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Installation Tools for Connecting Pins

Insert Ratchet Eco	0.9 kg	42 123 00 07
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Usage notes:
Inexpensive type for installing Screw Connecting Pins by ratch



Screw Pin Inserting Tool SS2	3.3 kg	42 123 03 00
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 | M2 c

To install Screw Connecting Pins. Both-sided quick chuck for counter-clock-wise and clockwise rotation. Working pressure 4 - 6 bar.



Belt Skiving		
Power Tool (230V/50Hz)	1.8 kg	42 160 10 20

for Skiving Blade fls | without skiver blade



flsBlade p		
H30/60-2 2 mm Skiving Depth	0.1 kg	42 160 10 02
H30/60-3 3 mm Skiving Depth	0.1 kg	42 160 10 03
H30/60-4 4 mm Skiving Depth	0.1 kg	42 160 10 04

Blade for Power Tool, available in 3 different skiving depths: 2 mm, 3 mm, and 4 mm.



Selection Chart

MATO Connecting Pins are aligned in design and material composition to MATO Fasteners. Choosing the right Connecting Pin is important for reaching the optimum performance of the splice in your application.

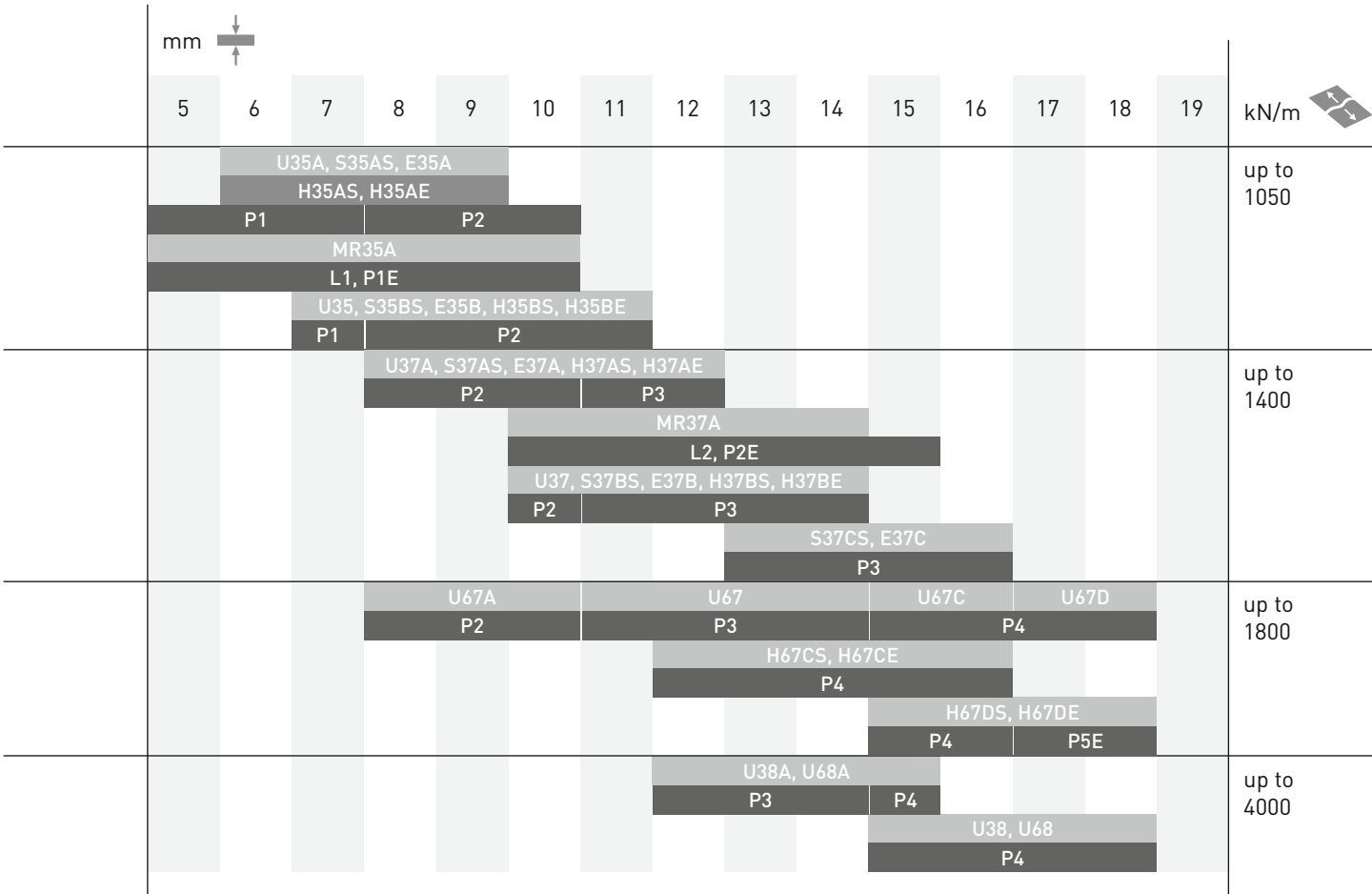


L... - High Tensile Galvanized Cable



High Tensile Stainless Chromium-Nickel Cable

- P...E - Special Steel
- P...S - Stainless Chromium Steel
- P...C - Stainless Chromium-Nickel Steel
- P...K - High Wear Resistant Steel



Thicker belts can be skived (covers) to fit.

Connecting Pins	High Tension Application	Troughing	Rust Resistance	Chemical Resistance	Wear Proper-ties	Magnetic
L...	●●●○○	●●●○○	●●●○○	○○○○○	●●○○○	heavy
P...E	●●●●○	●●●●○	●●○○○	○○○○○	●●●○○	yes
P...S	●●●●○	●●●●○	●●●●○	●●○○○	●●●○○	yes
P...C	●●●●○	●●●●○	●●●●●	●●●●○	●●●●○	slightly
P...K	●●●●●	●●●●○	●●○○○	○○○○○	●●●●●	yes

○○○○○ poor ●●●●● excellent

Length	Weight	Order No.
Connecting Pins P1K		Min. Diameter 5.3 mm
635 mm	0.1 kg	42 140 06 35
735 mm	0.1 kg	42 140 07 35
785 mm	0.1 kg	42 139 20 17
885 mm	0.2 kg	42 140 08 85
985 mm	0.2 kg	42 139 20 18
1035 mm	0.2 kg	42 140 10 35
1185 mm	0.2 kg	42 139 20 19
1335 mm	0.2 kg	42 140 13 35
1385 mm	0.2 kg	42 139 20 20
1585 mm	0.3 kg	42 140 15 85
Connecting Pins P2K		Min. Diameter 6.4 mm
635 mm	0.2 kg	42 131 06 35
735 mm	0.2 kg	42 131 07 35
785 mm	0.2 kg	42 131 08 00
885 mm	0.2 kg	42 131 08 85
985 mm	0.2 kg	42 131 10 00
1035 mm	0.3 kg	42 131 10 50
1185 mm	0.3 kg	42 131 12 00
1335 mm	0.3 kg	42 131 13 35
1385 mm	0.4 kg	42 131 14 00
1585 mm	0.4 kg	42 131 15 85
1785 mm	0.4 kg	42 131 17 85
Connecting Pins P3K		Min. Diameter 7.1 mm
785 mm	0.2 kg	42 139 20 25
885 mm	0.3 kg	42 139 08 85
985 mm	0.3 kg	42 129 25 81
1035 mm	0.3 kg	42 139 10 35
1185 mm	0.3 kg	42 129 25 84
1335 mm	0.4 kg	42 139 13 35
1385 mm	0.4 kg	42 129 25 87
1585 mm	0.5 kg	42 129 26 04
1785 mm	0.5 kg	42 129 29 12
Connecting Pins P4K		Min. Diameter 8.9 mm
785 mm	0.4 kg	42 133 08 00
885 mm	0.4 kg	42 133 08 85
985 mm	0.4 kg	42 133 10 00
1035 mm	0.5 kg	42 133 10 35
1185 mm	0.5 kg	42 133 12 00
1335 mm	0.6 kg	42 133 13 35
1385 mm	0.6 kg	42 133 14 00
1585 mm	0.7 kg	42 129 29 09
1785 mm	0.8 kg	42 133 19 17
1985 mm	0.9 kg	42 133 19 85



- Properties:**
- Highest wear resistance
 - Excellent for high belt tension
 - Very good for through / no through
- Material:**
- Cable:
High Tensile Stainless Chromium-Nickel Steel
- Armour Wrap:
High Wear Resistant Steel
- Pricing:**
- Per piece

Length	Weight	Order No.
Connecting Pins P1KG		Min. Diameter 5.3 mm
650 mm	0.1 kg	42 129 20 75
750 mm	0.1 kg	42 129 20 73
800 mm	0.1 kg	42 139 20 21
900 mm	0.2 kg	42 139 09 00
1000 mm	0.2 kg	42 139 20 22
1050 mm	0.2 kg	42 139 10 50
1200 mm	0.2 kg	42 139 20 23
1350 mm	0.2 kg	42 139 13 50
1400 mm	0.2 kg	42 139 20 24
1600 mm	0.3 kg	42 139 16 00
Connecting Pins P2KG		Min. Diameter 6.4 mm
650 mm	0.2 kg	42 132 06 50
750 mm	0.2 kg	42 132 07 50
800 mm	0.2 kg	42 132 08 00
900 mm	0.2 kg	42 132 09 00
1000 mm	0.3 kg	42 132 10 00
1050 mm	0.3 kg	42 132 10 50
1200 mm	0.3 kg	42 132 12 00
1350 mm	0.3 kg	42 132 13 50
1400 mm	0.4 kg	42 132 14 00
1600 mm	0.4 kg	42 132 16 00
1800 mm	0.4 kg	42 132 18 00
Connecting Pins P3KG		Min. Diameter 7.1 mm
800 mm	0.2 kg	42 139 20 26
900 mm	0.3 kg	42 129 25 39
1000 mm	0.3 kg	42 129 25 82
1050 mm	0.3 kg	42 129 26 05
1200 mm	0.3 kg	42 129 25 85
1350 mm	0.4 kg	42 129 26 06
1400 mm	0.4 kg	42 129 25 88
1600 mm	0.5 kg	42 129 26 03
1800 mm	0.5 kg	42 129 26 10
Connecting Pins P4KG		Min. Diameter 8.9 mm
800 mm	0.4 kg	42 134 08 00
900 mm	0.4 kg	42 134 09 00
1000 mm	0.4 kg	42 134 10 00
1050 mm	0.5 kg	42 134 10 50
1200 mm	0.5 kg	42 134 12 00
1350 mm	0.6 kg	42 134 13 50
1400 mm	0.6 kg	42 134 14 00
1600 mm	0.7 kg	42 134 16 00
1800 mm	0.8 kg	42 134 18 00
2000 mm	0.9 kg	42 134 20 00



Recommended for Sealed Fasteners.
Easy installation, Installation Tools required.

See page 19/20

- Properties:
- Highest wear resistance
 - Excellent for high belt tension
 - Very good for through / no through

Material:

Cable:
High Tensile Stainless Chromium-Nickel Steel

Armour Wrap:
High Wear Resistant Steel

Pricing:

Per piece

Length	Weight	Order No.
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Connecting Pins P1C	Min. Diameter 5.3 mm
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635 mm	0.3 kg	42 127 00 40
735 mm	0.1 kg	42 127 01 59
785 mm	0.1 kg	42 127 01 35
885 mm	0.2 kg	42 127 00 32
985 mm	0.2 kg	42 127 01 30
1035 mm	0.2 kg	42 127 01 33
1185 mm	0.2 kg	42 127 01 34
1335 mm	0.2 kg	42 127 00 41
1385 mm	0.2 kg	42 127 00 37
1585 mm	0.3 kg	42 127 00 38

Connecting Pins P2C	Min. Diameter 6.4 mm
---------------------	----------------------

635 mm	0.2 kg	42 128 00 19
735 mm	0.2 kg	42 128 00 16
785 mm	0.2 kg	42 128 00 13
885 mm	0.2 kg	42 128 00 06
985 mm	0.3 kg	42 128 09 86
1035 mm	0.3 kg	42 128 00 04
1185 mm	0.3 kg	42 128 00 02
1335 mm	0.3 kg	42 128 00 08
1385 mm	0.4 kg	42 128 00 12
1585 mm	0.4 kg	42 128 00 03

Connecting Pins P3C	Min. Diameter 7.1 mm
---------------------	----------------------

785 mm	0.2 kg	42 129 24 92
885 mm	0.3 kg	42 129 24 81
985 mm	0.3 kg	42 129 24 99
1035 mm	0.3 kg	42 129 24 82
1185 mm	0.3 kg	42 129 27 42
1335 mm	0.4 kg	42 129 24 83
1385 mm	0.4 kg	42 129 24 93
1585 mm	0.5 kg	42 129 24 95

Connecting Pins P4C	Min. Diameter 8.5 mm
---------------------	----------------------

785 mm	0.3 kg	42 129 25 96
885 mm	0.4 kg	42 129 25 93
985 mm	0.4 kg	42 129 25 48
1035 mm	0.4 kg	42 129 25 94
1185 mm	0.5 kg	42 129 25 49
1335 mm	0.5 kg	42 129 25 67
1385 mm	0.6 kg	42 129 25 97
1585 mm	0.6 kg	42 129 29 07
1785 mm	0.7 kg	42 129 29 08
1985 mm	0.8 kg	42 129 29 10



Properties:

- Very high wear resistance
- Highest level of corrosion resistance as well as very good chemical resistance
- Very good for high belt tension
- Very good for through / no through
- slightly magnetic

Material:

Cable:
High Tensile Stainless Chromium-Nickel Steel

Armour Wrap:
Chromium-Nickel Steel

Pricing:

Per piece

Length	Weight	Order No.
Connecting Pins P1CG		Min. Diameter 5.3 mm
650 mm	0.1 kg	42 129 20 62
750 mm	0.1 kg	42 129 20 59
800 mm	0.1 kg	42 129 20 42
900 mm	0.2 kg	42 129 20 58
1000 mm	0.2 kg	42 129 20 40
1050 mm	0.2 kg	42 129 20 32
1200 mm	0.2 kg	42 129 20 41
1350 mm	0.2 kg	42 129 20 60
1400 mm	0.2 kg	42 129 20 43
1600 mm	0.3 kg	42 129 20 53
Connecting Pins P2CG		Min. Diameter 6.4 mm
650 mm	0.2 kg	42 128 21 06
750 mm	0.2 kg	42 128 21 16
800 mm	0.2 kg	42 128 21 04
900 mm	0.2 kg	42 129 21 10
1000 mm	0.3 kg	42 128 21 03
1050 mm	0.3 kg	42 128 20 94
1200 mm	0.3 kg	42 128 20 95
1350 mm	0.3 kg	42 128 21 15
1400 mm	0.4 kg	42 128 21 05
1600 mm	0.4 kg	42 128 21 12
Connecting Pins P3CG		Min. Diameter 7.1 mm
800 mm	0.2 kg	42 129 25 52
900 mm	0.3 kg	42 129 24 02
1000 mm	0.3 kg	42 129 25 50
1050 mm	0.3 kg	42 129 24 03
1200 mm	0.3 kg	42 129 25 51
1350 mm	0.4 kg	42 129 24 04
1400 mm	0.4 kg	42 129 25 53
1600 mm	0.5 kg	42 129 25 74
Connecting Pins P4CG		Min. Diameter 8.5 mm
800 mm	0.3 kg	42 129 27 43
900 mm	0.4 kg	42 129 24 06
1000 mm	0.4 kg	42 129 27 44
1050 mm	0.4 kg	42 129 24 07
1200 mm	0.5 kg	42 129 27 45
1350 mm	0.5 kg	42 129 24 08
1400 mm	0.6 kg	42 129 27 46
1600 mm	0.6 kg	42 129 27 61
1800 mm	0.7 kg	42 129 27 62
2000 mm	0.8 kg	42 129 27 63



Recommended for Sealed Fasteners.
Easy installation, Installation Tools required.

See page 19/20

- Properties:**
- Very high wear resistance
 - Highest level of corrosion resistance as well as very good chemical resistance
 - Very good for high belt tension
 - Very good for through / no through
 - slightly magnetic

Material:

Cable:
High Tensile Stainless Chromium-Nickel

Armour Wrap:
Chromium-Nickel Steel

Pricing:
Per piece

Length	Weight	Order No.
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Connecting Pins P1S		Min. Diameter 5.3 mm
635 mm	0.1 kg	42 127 01 19
735 mm	0.1 kg	42 127 01 14
785 mm	0.1 kg	42 127 01 22
885 mm	0.2 kg	42 127 01 25
985 mm	0.2 kg	42 127 01 20
1035 mm	0.2 kg	42 127 01 26
1185 mm	0.2 kg	42 127 01 21
1335 mm	0.2 kg	42 129 20 10
1385 mm	0.2 kg	42 127 01 23
1585 mm	0.3 kg	42 127 15 85

Connecting Pins P2S		Min. Diameter 6.4 mm
635 mm	0.2 kg	42 128 04 86
735 mm	0.2 kg	42 128 07 50
785 mm	0.2 kg	42 128 07 85
885 mm	0.2 kg	42 128 08 85
985 mm	0.2 kg	42 128 09 85
1035 mm	0.3 kg	42 128 10 35
1185 mm	0.3 kg	42 128 11 85
1335 mm	0.3 kg	42 128 13 35
1385 mm	0.4 kg	42 128 13 85
1585 mm	0.4 kg	42 128 15 85
1785 mm	0.4 kg	42 128 17 85

Connecting Pins P3S		Min. Diameter 7.1 mm
785 mm	0.2 kg	42 129 25 01
885 mm	0.3 kg	42 129 25 15
985 mm	0.3 kg	42 129 25 02
1035 mm	0.3 kg	42 129 25 11
1185 mm	0.3 kg	42 129 25 03
1335 mm	0.4 kg	42 129 25 14
1385 mm	0.4 kg	42 129 25 04
1585 mm	0.5 kg	42 129 25 19
1785 mm	0.5 kg	42 129 25 45

Connecting Pins P4S		Min. Diameter 8.5 mm
785 mm	0.3 kg	42 129 27 01
885 mm	0.4 kg	42 129 27 13
985 mm	0.4 kg	42 129 27 02
1035 mm	0.4 kg	42 129 27 06
1185 mm	0.5 kg	42 129 27 03
1335 mm	0.5 kg	42 129 27 12
1385 mm	0.6 kg	42 129 27 04
1585 mm	0.6 kg	42 129 27 09
1785 mm	0.7 kg	42 129 27 15
1985 mm	0.8 kg	42 129 27 10



Properties:

- High corrosion resistance
- Very good for high belt tension
- Very good for through / no through

Material:

Cable:
High Tensile Stainless Chromium-Nickel

Armour Wrap:
Stainless Chromium Steel

Pricing:

Per piece

Length	Weight	Order No.
Connecting Pins P1SG		Min. Diameter 5.3 mm
650 mm	0.1 kg	42 129 20 31
750 mm	0.1 kg	42 129 20 22
800 mm	0.1 kg	42 129 20 15
900 mm	0.2 kg	42 129 20 19
1000 mm	0.2 kg	42 129 20 16
1050 mm	0.2 kg	42 129 20 20
1200 mm	0.2 kg	42 129 20 17
1350 mm	0.2 kg	42 129 13 50
1400 mm	0.2 kg	42 129 20 18
1600 mm	0.3 kg	42 129 20 25
Connecting Pins P2SG		Min. Diameter 6.4 mm
650 mm	0.2 kg	42 128 20 85
750 mm	0.2 kg	42 128 20 90
800 mm	0.2 kg	42 128 20 82
900 mm	0.2 kg	42 128 20 83
1000 mm	0.3 kg	42 128 20 79
1050 mm	0.3 kg	42 128 20 84
1200 mm	0.3 kg	42 128 20 77
1350 mm	0.3 kg	42 128 20 89
1400 mm	0.4 kg	42 128 20 80
1600 mm	0.4 kg	42 128 20 81
1800 mm	0.4 kg	42 128 20 88
Connecting Pins P3SG		Min. Diameter 7.1 mm
800 mm	0.2 kg	42 129 25 23
900 mm	0.3 kg	42 129 25 24
1000 mm	0.3 kg	42 129 25 20
1050 mm	0.3 kg	42 129 25 25
1200 mm	0.3 kg	42 129 25 21
1350 mm	0.4 kg	42 129 25 32
1400 mm	0.4 kg	42 129 25 22
1600 mm	0.5 kg	42 129 25 30
1800 mm	0.5 kg	42 129 25 31
Connecting Pins P4SG		Min. Diameter 8.5 mm
800 mm	0.3 kg	42 129 27 20
900 mm	0.4 kg	42 129 27 22
1000 mm	0.4 kg	42 129 27 16
1050 mm	0.4 kg	42 129 27 23
1200 mm	0.5 kg	42 129 27 30
1350 mm	0.5 kg	42 129 27 47
1400 mm	0.6 kg	42 129 27 18
1600 mm	0.6 kg	42 129 27 21
1800 mm	0.7 kg	42 129 27 26
2000 mm	0.8 kg	42 129 27 65



Recommended for Sealed Fasteners.
Easy installation, Installation Tools required.

See page 19/20

- Properties:
- High corrosion resistance
 - Very good for high belt tension
 - Very good for through / no through

Material:

Cable:
High Tensile Stainless Chromium-Nickel

Armour Wrap:
Stainless Chromium Steel

Pricing:
Per piece



Hammer Installed Plate Fasteners

H60E, H60S, H30E, H30S, MR30

- ① **H30 and H60 fasteners with pre-set staples**
Belt ends with H60 / H30 are connectable to beltends with U30 or S30S or E30. There are 6 Fastener sizes available for various belt strengths and different belt thickness ranges.
- ② **High Performance System MR30 – A simple and easy to use Hammer System**
The MATO Hammer System MR30 is used in Conveyor Belts, if a hammer installation and easy usage of the equipment is preferred. In comparison to other wide Plate Fasteners, the MR30-System has a long life time and can be installed within a short time.

Features

The outstanding features are:

Fastener fits to variations in the belt thickness

Staple guarded by forged pocket



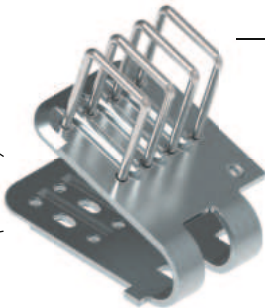
Special Steel Staple if H30E/H60E or Stainless Steel Staple if H30S/H60S

Plate made from wear resistant Carbon Steel if H30E/H60E or Chromium Steel if H30S/H60S

Cold forged plate and loop for highest strengths

Fastener fits to variations in the belt thickness

Staple guarded by forged pocket



Special Steel Staple

Plate made from Galvanized Carbon Steel

Selection Chart

Material combinations:

Plate		Staple	
Cr (S) Steel		Stainless Steel	
Carbon Steel		Special Steel	

Notice:
Thicker belts can be skived (covers) to fit.

mm	mm															kN/m
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
250			H35AS													up to 1050
			H35AE													
			MR35A													
				H35BS												
				H35BE												
350					H37AS											up to 1400
					H37AE											
						MR37A										
							H37BS									
							H37BE									
500								H67CS								up to 1800
								H67CE								
										H67DS						
										H67DE						

Belt Width	Belt Thickness	Weight	Order No.
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Belt Fastener H35AS - Standard

Belt Strength up to 1050 kN/m

Minimum Pulley Diameter 250 mm

up to 650 mm	6 - 9 mm	2.0 kg	41 118 02 19
up to 800 mm	6 - 9 mm	2.2 kg	41 118 02 20
up to 900 mm	6 - 9 mm	2.4 kg	41 116 22 17
up to 1000 mm	6 - 9 mm	2.7 kg	41 116 22 18
up to 1050 mm	6 - 9 mm	2.9 kg	41 116 22 19
up to 1200 mm	6 - 9 mm	3.3 kg	41 116 22 30
up to 1350 mm	6 - 9 mm	3.7 kg	41 116 22 21
up to 1400 mm	6 - 9 mm	3.9 kg	41 116 22 22
up to 1600 mm	6 - 9 mm	4.4 kg	41 116 22 24

Belt Fastener H35BS - Standard

Belt Strength up to 1050 kN/m

Minimum Pulley Diameter 250 mm

up to 650 mm	7 - 11 mm	2.0 kg	41 118 02 04
up to 800 mm	7 - 11 mm	2.2 kg	41 118 02 05
up to 900 mm	7 - 11 mm	2.4 kg	41 116 22 26
up to 1000 mm	7 - 11 mm	2.7 kg	41 116 22 27
up to 1050 mm	7 - 11 mm	2.9 kg	41 116 22 28
up to 1200 mm	7 - 11 mm	3.3 kg	41 116 20 30
up to 1350 mm	7 - 11 mm	3.8 kg	41 116 18 30
up to 1400 mm	7 - 11 mm	3.9 kg	41 116 22 31
up to 1600 mm	7 - 11 mm	4.4 kg	41 116 22 33

Belt Fastener H37AS - Standard

Belt Strength up to 1400 kN/m

Minimum Pulley Diameter 350 mm

up to 650 mm	8 - 12 mm	1.9 kg	41 118 01 98
up to 800 mm	8 - 12 mm	2.5 kg	41 118 02 24
up to 900 mm	8 - 12 mm	2.9 kg	41 116 22 62
up to 1000 mm	8 - 12 mm	3.3 kg	41 116 22 63
up to 1050 mm	8 - 12 mm	3.5 kg	41 116 22 64
up to 1200 mm	8 - 12 mm	3.9 kg	41 116 22 65
up to 1350 mm	8 - 12 mm	4.5 kg	41 116 22 66
up to 1400 mm	8 - 12 mm	4.6 kg	41 116 22 67
up to 1600 mm	8 - 12 mm	5.3 kg	41 116 22 69

Belt Fastener H37BS - Standard

Belt Strength up to 1400 kN/m

Minimum Pulley Diameter 350 mm

up to 650 mm	10 - 14 mm	1.9 kg	41 118 02 06
up to 800 mm	10 - 14 mm	2.5 kg	41 118 02 07
up to 900 mm	10 - 14 mm	2.9 kg	41 116 22 71
up to 1000 mm	10 - 14 mm	3.3 kg	41 116 22 72
up to 1050 mm	10 - 14 mm	3.5 kg	41 116 22 73
up to 1200 mm	10 - 14 mm	4.0 kg	41 116 22 74
up to 1350 mm	10 - 14 mm	4.5 kg	41 116 22 75
up to 1400 mm	10 - 14 mm	4.7 kg	41 116 22 76
up to 1600 mm	10 - 14 mm	5.3 kg	41 116 22 78



Properties:

- Low compression into the belt
- Stainless steel staples
- Staple guard
- Cold forged plate with loops for highest strengths
- High wear resistant plate material (chromium steel)
- Fits to variations in belt thickness

Material:

Staple: Stainless Steel

Plate: Stainless Chromium Steel

Pricing:

Based on boxes with 2 Fastener Strips with length according belt width, (can be shortened individually). Content is sufficient for one complete lace.

(without Connecting Pin)

Belt Width	Belt Thickness	Weight	Order No.
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Belt Fastener H67CS - Standard			
Belt Strength up to 1800 kN/m		Minimum Pulley Diameter 500 mm	
up to 900 mm	12 - 16 mm	4.5 kg	41 118 50 24
up to 1000 mm	12 - 16 mm	5.0 kg	41 118 50 25
up to 1050 mm	12 - 16 mm	5.3 kg	41 118 50 26
up to 1200 mm	12 - 16 mm	6.0 kg	41 118 50 16
up to 1350 mm	12 - 16 mm	6.7 kg	41 118 50 27
up to 1400 mm	12 - 16 mm	6.9 kg	41 118 50 28
up to 1600 mm	12 - 16 mm	7.9 kg	41 118 50 29

Belt Fastener H67DS - Standard			
Belt Strength up to 1800 kN/m		Minimum Pulley Diameter 500 mm	
up to 900 mm	15 - 18 mm	4.5 kg	41 118 50 30
up to 1000 mm	15 - 18 mm	5.0 kg	41 118 50 31
up to 1050 mm	15 - 18 mm	5.3 kg	41 118 50 32
up to 1200 mm	15 - 18 mm	6.0 kg	41 118 50 20
up to 1350 mm	15 - 18 mm	6.7 kg	41 118 50 33
up to 1400 mm	15 - 18 mm	6.9 kg	41 118 50 34
up to 1600 mm	15 - 18 mm	7.9 kg	41 118 50 35

Other length on request.



Properties:

- Low compression into the belt
- Stainless steel staples
- Staple guard
- Cold forged plate with loops for highest strengths
- High wear resistant plate material (chromium steel)
- Fits to variations in belt thickness

Material:

Staple: Stainless Steel
Plate: Stainless Chromium Steel

Pricing:

Based on boxes with 2 Fastener Strips with length according belt width, (can be shortened individually). Content is sufficient for one complete lace.

(without Connecting Pin)

Belt Width	Belt Thickness	Weight	Order No.
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Belt Fastener H35AE - Standard

Belt Strength up to 1050 kN/m Minimum Pulley Diameter 250 mm

up to 650 mm	6 - 9 mm	1.7 kg	41 118 02 15
up to 800 mm	6 - 9 mm	2.1 kg	41 118 02 16
up to 900 mm	6 - 9 mm	2.4 kg	41 116 20 00
up to 1000 mm	6 - 9 mm	2.7 kg	41 116 20 01
up to 1050 mm	6 - 9 mm	2.9 kg	41 116 20 02
up to 1200 mm	6 - 9 mm	3.3 kg	41 116 20 03
up to 1350 mm	6 - 9 mm	3.7 kg	41 116 20 04
up to 1400 mm	6 - 9 mm	3.9 kg	41 116 20 05
up to 1600 mm	6 - 9 mm	4.4 kg	41 116 20 07

Belt Fastener H35BE - Standard

Belt Strength up to 1050 kN/m Minimum Pulley Diameter 250 mm

up to 650 mm	7 - 11 mm	1.7 kg	41 118 02 08
up to 800 mm	7 - 11 mm	2.1 kg	41 118 01 34
up to 900 mm	7 - 11 mm	2.4 kg	41 116 20 09
up to 1000 mm	7 - 11 mm	2.7 kg	41 116 20 10
up to 1050 mm	7 - 11 mm	2.9 kg	41 116 20 11
up to 1200 mm	7 - 11 mm	3.3 kg	41 116 20 12
up to 1350 mm	7 - 11 mm	3.7 kg	41 116 20 13
up to 1400 mm	7 - 11 mm	3.9 kg	41 116 20 14
up to 1600 mm	7 - 11 mm	4.4 kg	41 116 20 16

Belt Fastener H37AE - Standard

Belt Strength up to 1400 kN/m Minimum Pulley Diameter 350 mm

up to 650 mm	8 - 12 mm	1.9 kg	41 118 02 23
up to 800 mm	8 - 12 mm	2.5 kg	41 118 01 97
up to 900 mm	8 - 12 mm	2.9 kg	41 116 21 45
up to 1000 mm	8 - 12 mm	3.3 kg	41 116 21 46
up to 1050 mm	8 - 12 mm	3.5 kg	41 116 21 47
up to 1200 mm	8 - 12 mm	3.9 kg	41 116 21 48
up to 1350 mm	8 - 12 mm	4.5 kg	41 116 21 49
up to 1400 mm	8 - 12 mm	4.6 kg	41 116 21 50
up to 1600 mm	8 - 12 mm	5.3 kg	41 116 21 52

Belt Fastener H37BE - Standard

Belt Strength up to 1400 kN/m Minimum Pulley Diameter 350 mm

up to 650 mm	10 - 14 mm	1.9 kg	41 118 02 00
up to 800 mm	10 - 14 mm	2.5 kg	41 118 01 29
up to 900 mm	10 - 14 mm	2.9 kg	41 116 21 54
up to 1000 mm	10 - 14 mm	3.3 kg	41 116 21 55
up to 1050 mm	10 - 14 mm	3.5 kg	41 116 21 56
up to 1200 mm	10 - 14 mm	3.9 kg	41 116 21 57
up to 1350 mm	10 - 14 mm	4.5 kg	41 116 21 58
up to 1400 mm	10 - 14 mm	4.6 kg	41 116 21 59
up to 1600 mm	10 - 14 mm	5.3 kg	41 116 21 61



Properties:

- Low compression in the belt
- Staple guard
- Cold forged plate with loops for highest strengths
- Wear resistant plate material (carbon steel)
- High tensile special steel staples
- Fits to variations in belt thickness

Material:

Staple: Special Steel
Plate: Carbon Steel

Pricing:

Based on boxes with 2 Fastener Strips with length according belt width, (can be shortened individually). Content is sufficient for one complete lace.

(without Connecting Pin)

Belt Width	Belt Thickness	Weight	Order No.
Belt Fastener H67CE - Standard			
Belt Strength up to 1800 kN/m		Minimum Pulley Diameter 500 mm	
up to 900 mm	12 - 16 mm	4.5 kg	41 118 49 80
up to 1000 mm	12 - 16 mm	5.0 kg	41 118 49 81
up to 1050 mm	12 - 16 mm	5.3 kg	41 118 49 82
up to 1200 mm	12 - 16 mm	6.0 kg	41 118 50 00
up to 1350 mm	12 - 16 mm	6.7 kg	41 118 49 83
up to 1400 mm	12 - 16 mm	6.9 kg	41 118 49 84
up to 1600 mm	12 - 16 mm	7.9 kg	41 118 49 85

Belt Fastener H67DE - Standard			
Belt Strength up to 1800 kN/m		Minimum Pulley Diameter 500 mm	
up to 900 mm	15 - 18 mm	4.5 kg	41 118 49 86
up to 1000 mm	15 - 18 mm	5.0 kg	41 118 49 87
up to 1050 mm	15 - 18 mm	5.3 kg	41 118 49 88
up to 1200 mm	15 - 18 mm	6.0 kg	41 118 50 04
up to 1350 mm	15 - 18 mm	6.7 kg	41 118 49 89
up to 1400 mm	15 - 18 mm	6.9 kg	41 118 49 90
up to 1600 mm	15 - 18 mm	7.9 kg	41 118 49 91

Other length on request.



Properties:

- Low compression in the belt
- Staple guard
- Cold forged plate with loops for highest strengths
- Wear resistant plate material (carbon steel)
- High tensile special steel staples
- Fits to variations in belt thickness

Material:

Staple: Special Steel
Plate: Carbon Steel

Pricing:

Based on boxes with 2 Fastener Strips with length according belt width, (can be shortened individually). Content is sufficient for one complete lace.

(without Connecting Pin)

Belt Width	Weight	Order No.
------------	--------	-----------

Installation Unit HTA H30 - Aluminium Frame		
400 mm	14.2 kg	41 119 04 00
1000 mm	24.6 kg	41 119 10 00
1200 mm	26.4 kg	41 119 12 00
1400 mm	28.3 kg	41 119 14 00
1600 mm	31.0 kg	41 119 16 00

Installation Unit HTA H60 - Aluminium Frame		
400 mm	14.3 kg	41 119 12 65
1000 mm	24.7 kg	41 119 12 66
1200 mm	26.5 kg	41 119 12 67
1400 mm	28.4 kg	41 119 12 68
1600 mm	31.0 kg	41 119 12 69

Installation Unit HTS H37 - Steel Frame		
600 mm	16.6 kg	41 119 06 02

Installation Unit HTS H67 C/D - Steel Frame		
600 mm	16.6 kg	41 119 06 05

Hammer		
Hammer HM (2kg)	2.1 kg	44 130 16 03
For the use with Lacing Head HK		

Pneumatic Hammer		
Complete H60/H30	9.8 kg	46 100 10 60

Usage notes:

Aluminium Frame. The Installation Units HTA H60 are used for the Fastener sizes H67CE and H67DE. The low weight of the Installation Unit allows easy handling. The Installation Units HTA H30 are used for the Fastener sizes H35A and H35B as well as H37A and H37B. Simply turn the Comb Pins to the required Fastener size.



Standard equipment of all Installation Units includes a Hammer Frame and a Lacing Head. We recommend the use of the special Hammer HM 44 130 16 03.

Steel Frame. The Installation Unit HTS H67 C/D is used to install the Fastener sizes H67C and H67D. The Installation Unit HTS H37 is used to install the Fastener sizes H37A and H37.



Maximum Operating Pressure 6 bar. For installing Fasteners H60 / H30, incl. Lacing Head.

for Hammer Installed Systems H60 and H30

Description	Weight	Order No.
Belt Skiver		
17/20 - H30/H60	0.8 kg	41 129 58 50
Spare Blade 17/20	0.1 kg	41 129 58 51
Accessories		
Hacksaw	0.1 kg	44 130 16 07
Lacing Head		
HK H30	3.6 kg	41 117 01 00
HK H60	3.9 kg	41 117 01 67

Pneumatic Hammer		
H30/H60	6.9 kg	46 000 10 00
Head Complete for Pneumatic Hammer		
Head H30/H60	2.9 kg	46 000 10 50



Usage notes:
Lacing Head for installing fasteners H60 / H30 manually by hammer.



Maximum Operating Pressure 6 bar. For installing Fasteners H60 / H30. Delivery without Head.



Pneumatic Hammer-Lacing Head. For installing Fasteners H60 / H30. Suitable for Pneumatic Hammer Nr. 46 000 10 00. Suitable for all Hammer Frames H60 / H30.



Description	Weight	Order No.
-------------	--------	-----------

Punch for Pneumatic Hammer

H30/H60	0.6 kg	46 000 10 70
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Head Complete for Electric Hammer (SDS-MAX Take-Up)

Head H30/H60	4.2 kg	43 333 02 00
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Punch for Electric Hammer (SDS-MAX Take-Up)

H30/H60	0.6 kg	43 333 03 00
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Usage notes:



Electric Hammer-Lacing Head For installing Fasteners H60 / H30. Suitable for all brands with SDS-MAX take-up. (Minimum of 12 Joule necessary for installation!)





Belt Width	Belt Thickness	Weight	Ordner No.
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Belt Fastener MR35A - Standard

Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	5 - 10 mm	3.2 kg	46 000 10 37
up to 1200 mm	5 - 10 mm	3.5 kg	46 000 10 39
up to 1400 mm	5 - 10 mm	3.9 kg	46 000 10 41

Belt Fastener MR37A - Standard

Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	10 - 15 mm	3.5 kg	46 000 10 45
up to 1200 mm	10 - 15 mm	4.2 kg	46 000 10 47
up to 1400 mm	10 - 15 mm	4.9 kg	46 000 10 49

Eco-Fastener MR30

Hammer Installed Plate Fasteners



Properties:

- Low compression in the belt
- Staple Guard
- Wear resistant plate material (galvanized)
- High tensile special steel staples
- Fits to variations in belt thickness

Material:
Staple: Special Steel
Plate: Galvanized Carbon Steel

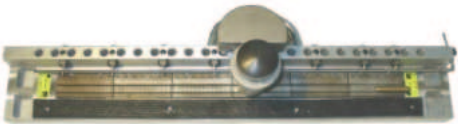
Pricing:
Units based on boxes with 2 Fastener Strips with length according belt width, (can be shortened individually). Content is sufficient for one complete lace.

(without Connecting Pin)

Connecting Pins and Accessories see page 38.

Description	Weight	Order No.
Installation Unit MRTA MR30		
1000 mm	21.5 kg	46 000 10 52
1200 mm	25.1 kg	46 000 10 53
1400 mm	28.7 kg	46 000 10 54
Hammer		
H3 (3kg)	3.6 kg	46 000 00 78
Lacing Head		
MRK MR30	3.2 kg	46 000 10 56
Head Complete for Electric Hammer (SDS-MAX Take-Up)		
Head MR30	2.9 kg	46 333 02 00
Punch for Electric Hammer (SDS-MAX Take-Up)		
Head MR30	0.6 kg	46 333 03 00

Usage notes:
Standard equipment of Installation Units (Aluminium Frame) includes a Hammer Frame and a Lacing Head.



Hammer-Lacing Head. For installing the Fastener series MR30.



Electric Hammer-Lacing Head. For installing Fasteners MR30. Suitable for all brands with SDS-MAX Take-Up.

(Minimum of 12 Joule necessary for installation!)



Length	Weight	Order No.
Connecting Pins P1S		
Min. Diameter 5.3 mm		
635 mm	0.1 kg	42 127 01 19
735 mm	0.1 kg	42 127 01 14
785 mm	0.1 kg	42 127 01 22
885 mm	0.2 kg	42 127 01 25
985 mm	0.2 kg	42 127 01 20
1035 mm	0.2 kg	42 127 01 26
1185 mm	0.2 kg	42 127 01 21
1335 mm	0.2 kg	42 129 20 10
1385 mm	0.2 kg	42 127 01 23
1585 mm	0.3 kg	42 127 15 85

Connecting Pins P2S		
Min. Diameter 6.4 mm		
635 mm	0.2 kg	42 128 04 86
735 mm	0.2 kg	42 128 07 50
785 mm	0.2 kg	42 128 07 85
885 mm	0.2 kg	42 128 08 85
985 mm	0.2 kg	42 128 09 85
1035 mm	0.3 kg	42 128 10 35
1185 mm	0.3 kg	42 128 11 85
1335 mm	0.3 kg	42 128 13 35
1385 mm	0.4 kg	42 128 13 85
1585 mm	0.4 kg	42 128 15 85
1785 mm	0.4 kg	42 128 17 85

Connecting Pins P3S		
Min. Diameter 7.1 mm		
785 mm	0.2 kg	42 129 25 01
885 mm	0.3 kg	42 129 25 15
985 mm	0.3 kg	42 129 25 02
1035 mm	0.3 kg	42 129 25 11
1185 mm	0.3 kg	42 129 25 03
1335 mm	0.4 kg	42 129 25 14
1385 mm	0.4 kg	42 129 25 04
1585 mm	0.5 kg	42 129 25 19
1785 mm	0.5 kg	42 129 25 45



Properties:

- High corrosion resistance
- Very good for high belt tension
- Very good for through / no through

Material:

Cable:
High Tensile Stainless Chromium-Nickel

Armour Wrap:
Stainless Chromium Steel

Pricing:

Per piece

Length	Weight	Order No.
--------	--------	-----------

Connecting Pins P4S		
Min. Diameter 8.5 mm		
785 mm	0.3 kg	42 129 27 01
885 mm	0.4 kg	42 129 27 13
985 mm	0.4 kg	42 129 27 02
1035 mm	0.4 kg	42 129 27 06
1185 mm	0.5 kg	42 129 27 03
1335 mm	0.5 kg	42 129 27 12
1385 mm	0.6 kg	42 129 27 04
1585 mm	0.6 kg	42 129 27 09
1785 mm	0.7 kg	42 129 27 15
1985 mm	0.8 kg	42 129 27 10

Connecting Pins P1E		
Min. Diameter 5.3 mm		
635 mm	0.5 kg	42 134 06 35
735 mm	0.1 kg	42 134 07 35
785 mm	0.1 kg	42 134 07 85
885 mm	0.2 kg	42 134 08 85
985 mm	0.2 kg	42 134 09 85
1035 mm	0.2 kg	42 134 10 35
1185 mm	0.2 kg	42 134 11 85
1335 mm	0.2 kg	42 134 13 35
1385 mm	0.2 kg	42 134 13 85
1585 mm	0.3 kg	42 134 15 85

Connecting Pins P2E		
Min. Diameter 6.4 mm		
635 mm	0.3 kg	42 135 06 35
735 mm	0.2 kg	42 135 07 35
785 mm	0.2 kg	42 135 07 85
885 mm	0.2 kg	42 135 08 85
985 mm	0.2 kg	42 135 09 85
1035 mm	0.3 kg	42 135 10 35
1185 mm	0.3 kg	42 135 11 85
1335 mm	0.3 kg	42 135 13 35
1385 mm	0.4 kg	42 135 13 85
1585 mm	0.4 kg	42 135 15 85



- Properties:**
- Very good for high belt tension
 - Very good for through / no through

Material:

Cable:
High Tensile Stainless Chromium-Nickel

Armour Wrap:
Special Steel

Pricing:

Per piece

Length	Weight	Order No.
--------	--------	-----------

Connecting Pins P3E Min. Diameter 7.1 mm		
735 mm	0.2 kg	42 136 07 35
785 mm	0.2 kg	42 136 07 85
885 mm	0.3 kg	42 136 08 85
985 mm	0.3 kg	42 136 09 85
1035 mm	0.3 kg	42 136 10 35
1185 mm	0.3 kg	42 136 11 85
1335 mm	0.4 kg	42 136 13 35
1385 mm	0.4 kg	42 136 13 85
1585 mm	0.5 kg	42 136 15 85

Connecting Pins P4E Min. Diameter 8.5 mm		
785 mm	0.3 kg	42 139 47 85
885 mm	0.4 kg	42 139 48 85
985 mm	0.4 kg	42 139 49 85
1035 mm	0.4 kg	42 139 40 35
1185 mm	0.5 kg	42 139 41 85
1335 mm	0.5 kg	42 139 43 35
1385 mm	0.6 kg	42 139 43 85
1585 mm	0.6 kg	42 139 45 85

Connecting Pins P5E Min. Diameter 10.5 mm		
785 mm	0.6 kg	42 139 57 85
885 mm	0.6 kg	42 139 58 85
985 mm	0.7 kg	42 139 59 85
1035 mm	0.7 kg	42 139 50 35
1185 mm	0.8 kg	42 139 51 85
1335 mm	1.0 kg	42 139 53 35
1385 mm	1.0 kg	42 139 53 85
1585 mm	1.1 kg	42 139 55 85



- Properties:**
- Very good for high belt tension
 - Very good for through / no through

Material:
Cable:
High Tensile Stainless Chromium-Nickel

Armour Wrap:
Special Steel

Pricing:
Per piece

Length	Weight	Order No.
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Connecting Pins L1
Min. Diameter 5.3 mm

635 mm	0.1 kg	42 126 06 35
735 mm	0.1 kg	42 126 07 35
785 mm	0.1 kg	42 126 07 85
885 mm	0.1 kg	42 126 08 85
985 mm	0.1 kg	42 126 09 85
1035 mm	0.1 kg	42 126 10 52
1185 mm	0.2 kg	42 126 11 85
1335 mm	0.2 kg	42 126 13 50
1385 mm	0.2 kg	42 126 13 85
1585 mm	0.2 kg	42 126 15 85

Connecting Pins L2
Min. Diameter 5.6 mm

635 mm	0.1 kg	42 129 06 35
735 mm	0.1 kg	42 125 13 10
785 mm	0.1 kg	42 129 12 01
885 mm	0.1 kg	42 125 09 00
985 mm	0.2 kg	42 125 09 85
1035 mm	0.2 kg	42 125 10 35
1185 mm	0.2 kg	42 125 11 85
1335 mm	0.2 kg	42 125 13 35
1385 mm	0.2 kg	42 125 13 85
1585 mm	0.3 kg	42 125 15 85

Connecting Pins L3
Min. Diameter 6.9 mm

735 mm	0.2 kg	42 129 15 86
785 mm	0.2 kg	42 129 07 85
885 mm	0.2 kg	42 129 09 00
985 mm	0.2 kg	42 129 09 85
1035 mm	0.3 kg	42 129 10 52
1185 mm	0.3 kg	42 129 11 85
1335 mm	0.3 kg	42 129 10 53
1385 mm	0.3 kg	42 129 13 85
1585 mm	0.4 kg	42 129 15 85



Properties:

- Good for through

Material:

Cable:
High Tensile Galvanized Cable

Pricing:

Per piece



Bolt Plate Fastener MS

MS1, MS140, MS190, MS1½, MS2, MS2¼, MS2½, MS3

- ① **Screw System MS – Guarantees good compression**
When installing the Screw System MS the belt gets compressed with the nuts. The good compression ensures a satisfying operation.

The system MS is a Hingeless System and does not require a coupling pin.

Features

Standard fastener MS features are:

Easy installation

Good compression into the belt. Fastener fits to variations in the belt thickness.



Various Plate Materials available

Best belt thickness range

Selection Chart

	mm mm																														
mm	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	kN/m				
250	MS1																											300			
350	MS140																											400			
400				MS190																								630			
							MS1½																				500				
700										MS2																					800
1000										MS2¼																					1050
															MS2½													800			
																				MS3										1050	

Description	Width	Weight	Order No.
Belt Fastener MS - Box			
Content 25 units			
MS1	750 mm	1.4 kg	46 100 60 10
MS140	750 mm	1.8 kg	46 100 60 53
MS190	750 mm	2.0 kg	46 100 60 54
MS1½	950 mm	2.5 kg	46 100 60 30
MS2	1050 mm	3.3 kg	46 100 60 40
MS2¼	1050 mm	4.6 kg	46 000 11 72



Belt Fastener MS - Box			
Content 10 units			
MS2½	500 mm	2.7 kg	46 100 60 60
MS3	500 mm	3.0 kg	46 000 13 54

Properties:
- Steel Series Fastener for general application

Belt Fastener MS - Bucket			
Content 100 units			
MS1	3000 mm	5.7 kg	46 000 09 82
MS140	3000 mm	7.2 kg	46 000 09 78
MS190	3000 mm	8.1 kg	46 000 09 79
MS1½	3800 mm	9.8 kg	46 000 09 83
MS2	4200 mm	13.3 kg	46 000 09 84
MS2¼	4200 mm	18.3 kg	46 000 11 73

Material:
Material upper/lower plate:
Special steel

Other materials on request.

Belt Fastener MS - Bucket			
Content 50 units			
MS2½	2500 mm	13.5 kg	41 178 17 71
MS3	2500 mm	15.0 kg	41 178 17 72

Accessories			
Extra Nuts for MS Fasteners (PU 50 pieces)			
Nut Type MS1/140/190		0.2 kg	46 000 15 02
Nut Type MS1½/2/2¼		0.2 kg	46 000 15 00
Nut Type MS2½/3		0.3 kg	46 000 15 04



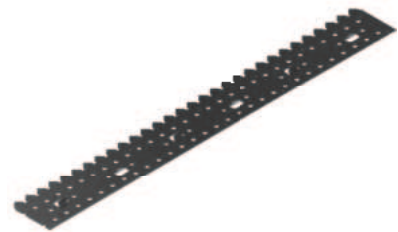
Belt tape (roll of 30 m)			
Tape for MS1-MS140		0.5 kg	46 000 13 55
Tape for MS190-MS3		0.5 kg	46 000 13 56



Description	Weight	Order No.
Belt Punch (inside diameter mm)		
SL1-140-190 [7.2]	0.1 kg	46 100 67 23
SL1½-2-2¼ [8.8]	0.1 kg	46 100 67 24
SL2½-3 [10.5]	0.2 kg	46 100 67 25
Power Punch (inside diameter mm)		
ML1-140-190 [7.2]	0.1 kg	46 100 67 29
ML1½-2-2¼ [8.8]	0.1 kg	46 100 67 30
ML2½-3 [10.5]	0.1 kg	46 100 67 31
Hand Nut Tightener		
HS1-140-190	0.2 kg	46 100 67 26
HS1½-2-2¼	0.2 kg	46 100 67 27
HS2½-3	0.3 kg	46 100 67 28
Brace Nut Tightener		
HB1-140-190	0.1 kg	46 100 66 05
HB1½-2-2¼	0.1 kg	46 100 66 10
HB2½-3	0.1 kg	46 100 66 15
Power Nut Tightener		
MB1-140-190	0.1 kg	46 100 67 32
MB1½-2-2¼	0.1 kg	46 100 67 33
MB2½-3	0.1 kg	46 100 67 34
Bolt Breaker		
SB1-140-190	0.4 kg	46 100 67 20
SB1½-2-2¼	0.7 kg	46 100 67 21
SB2½-3	1.2 kg	46 100 67 22
Quick Change Chuck		
SK1-3	0.2 kg	46 100 67 42



Description	Width	Weight	Order No.
Templates for MS1			
LL-MS1-600	600 mm	1.0 kg	46 100 63 02
LL-MS1-750	750 mm	1.2 kg	46 100 63 30
LL-MS1-900	900 mm	1.4 kg	46 100 63 23
LL-MS1-1050	1050 mm	1.6 kg	46 100 61 25
LL-MS1-1200	1200 mm	1.8 kg	46 100 63 09



Properties:

- Template for punching and keeping the correct pitch

Templates for MS140			
LL-MS140-600	600 mm	1.0 kg	46 100 63 00
LL-MS140-750	750 mm	1.2 kg	46 100 63 28
LL-MS140-900	900 mm	1.4 kg	46 100 63 21
LL-MS140-1050	1050 mm	1.6 kg	46 100 62 60
LL-MS140-1200	1200 mm	1.8 kg	46 100 63 07

Templates for MS190			
LL-MS190-600	600 mm	1.0 kg	46 100 63 01
LL-MS190-750	750 mm	1.3 kg	46 100 63 29
LL-MS190-900	900 mm	1.6 kg	46 100 63 22
LL-MS190-1050	1050 mm	1.9 kg	46 100 62 61
LL-MS190-1200	1200 mm	2.2 kg	46 100 63 08
LL-MS190-1500	1500 mm	2.9 kg	46 100 63 35

Templates for MS1½			
LL-MS1½-600	600 mm	1.0 kg	46 100 63 04
LL-MS1½-750	750 mm	1.1 kg	46 100 63 32
LL-MS1½-900	900 mm	1.4 kg	46 100 63 25
LL-MS1½-1050	1050 mm	1.6 kg	46 100 62 62
LL-MS1½-1200	1200 mm	1.8 kg	46 100 63 11
LL-MS1½-1500	1500 mm	2.3 kg	46 100 63 37

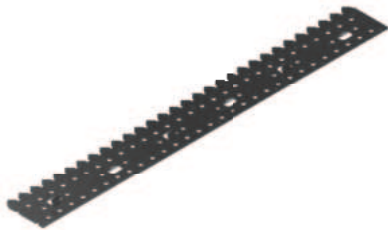
Description	Width	Weight	Order No.
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Templates for MS2			
LL-MS2-600	600 mm	1.1 kg	46 100 63 05
LL-MS2-750	750 mm	1.4 kg	46 100 63 33
LL-MS2-900	900 mm	1.6 kg	46 100 63 26
LL-MS2-1050	1050 mm	1.9 kg	46 100 63 38
LL-MS2-1200	1200 mm	1.9 kg	46 100 63 12
LL-MS2-1500	1500 mm	2.8 kg	46 100 63 39

Templates for MS2¼			
LL-MS2¼-600	600 mm	1.3 kg	46 100 67 36
LL-MS2¼-750	750 mm	1.7 kg	46 100 67 37
LL-MS2¼-900	900 mm	2.1 kg	46 100 67 38
LL-MS2¼-1050	1050 mm	2.4 kg	46 100 67 39
LL-MS2¼-1200	1200 mm	2.8 kg	46 100 67 40
LL-MS2¼-1500	1500 mm	3.6 kg	46 100 67 41

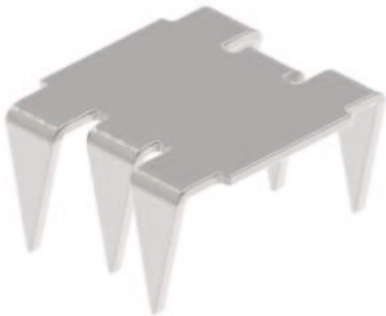
Templates for MS2½			
LL-MS2½-600	600 mm	1.6 kg	46 100 63 42
LL-MS2½-750	750 mm	2.0 kg	46 100 63 43
LL-MS2½-900	900 mm	2.4 kg	46 100 63 44
LL-MS2½-1050	1050 mm	2.8 kg	46 100 63 40
LL-MS2½-1200	1200 mm	3.2 kg	46 100 63 13
LL-MS2½-1500	1500 mm	4.0 kg	46 100 63 41

Templates for MS3			
LL-MS3-900	900 mm	2.4 kg	46 100 63 45
LL-MS3-1050	1050 mm	2.8 kg	46 100 63 46
LL-MS3-1200	1200 mm	3.2 kg	46 100 63 47
LL-MS3-1500	1500 mm	4.0 kg	46 100 63 48



Properties:
- Template for punching and keeping the correct pitch

Description	Belt Thickness	Weight	Order No.
Belt Fastener S82 Point Length 8 mm, Fastener Width 12 mm			
S82 (200)	2,5 mm to 4 mm	0.2 kg	42 701 20 00
Belt Fastener S83 Point Length 10 mm, Fastener Width 14 mm			
S83 (201)	4 mm to 6 mm	0.2 kg	42 701 20 10
Belt Fastener S84 Point Length 12 mm, Fastener Width 17 mm			
S84 (202)	6 mm to 8 mm	0.5 kg	42 701 20 20
Belt Fastener S85 Point Length 16 mm, Fastener Width 23 mm			
S85 (203)	8 mm to 10 mm	0.9 kg	42 701 20 30
Belt Fastener S86 Point Length 20 mm, Fastener Width 25 mm			
S86 (204)	10 mm to 13 mm	1.5 kg	42 701 20 40
Belt Fastener S87 Point Length 23 mm, Fastener Width 30 mm			
S87 (205)	13 mm to 15 mm	2.4 kg	42 701 20 50
Belt Fastener S88 Point Length 29 mm, Fastener Width 35 mm			
S88 (206)	15 mm to 18 mm	4.0 kg	42 701 20 60
Belt Fastener S89 Point Length 38 mm, Fastener Width 43 mm			
S89 (207)	18 mm to 21 mm	6.6 kg	42 701 20 70



- Properties:**
- Fastener Installation without lacing tool
 - For rip repairs

Material:
Special steel

Pricing:
Packing units: 100 pieces per pack

Description	Weight	Ordner No.
Multiface 1.5 BOND in double cartridge including 2 static mixers		
MF-1.5 -50 (2x25 g)	0.1 kg	38 078 25
MF-1.5 -200 (2x100 g)	0.2 kg	38 078 32
MF-1.5 -400 (2x200 g)	0.4 kg	38 078 49
MATO BOND Blister Pack	0.1 kg	38 080 13

Including: 1 Double Cartridge 2x25 g, 3 Static Mixers, 1x Pressure Piston, 1x Spattle.

Usage notes

Multiface® has been specially developed for maintenance of conveyor belts made of rubber, PVC or PU as well as for the bonding of abrasion resistant lining. Multiface® is even usable for materials such as metal, glass, ceramics, wood, textile and many other plastic materials, when a high strength and permanently elastic gluing with a very thin gap is required.

Quick drying, 65 ShoreA, No hazardous product, Food contact approved according to EG 1935/2004. Color of BOND black.

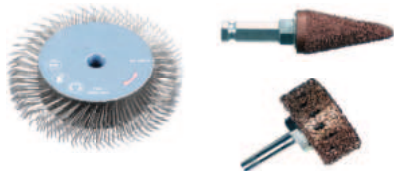
MATO BOND Starter Set 200		
Starter Set 200	3.5 kg	38 078 56
Including: 1 Double Cartridge MF-1.5 -200 (2x100 g), (Multiface 1.5 - 200 (2x100 g)), 1 Caulking Gun 200/400, 1 Carding Brush, 1 Round Brush, 3 Static Mixers, 1 Tool Box		

MATO BOND Starter Set 400		
Starter Set 400	3.7 kg	38 078 63
Including: 1 Double Cartridge MF-1.5 -400 (2x200 g), (Multiface 1.5 - 400 (2x200 g)), 1 Caulking Gun 200/400, 1 Carding Brush, 1 Round Brush, 3 Static Mixers, 1 Tool Box		

Accessories		
Caulking Gun 50	0.2 kg	38 078 70
Caulking Gun 200/400	1.4 kg	38 078 87
Tool Box (40.0 x 30.0 x 17.5cm)	1.9 kg	38 079 79
Static Mixer 25/50	0.1 kg	38 078 94
Static Mixer 200/400	0.1 kg	38 079 00
Carding Brush	0.1 kg	38 079 17
Spare belt for Carding Brush	0.1 kg	38 079 24
Belt Grinder	0.2 kg	38 051 11
Belt Grinder Cone	0.1 kg	38 079 48
Rotating Carding Brush	0.2 kg	38 079 31

ø100 mm x 23 mm with internal thread M14

Additional accessories and different colors of BOND are available upon request.





Safety Accessories

MATO offers a wide range of additional accessories and safety equipment, such as belt clamps, belt cutters etc.

Description	Working Width	Weight	Order No.
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Belt Clamp S - Admissible Working Load 60 kN, Belt Thickness 5 - 35 mm			
S 60kN / 1000	920 - 1000 mm	116.8 kg	41 126 13 92
S 60kN / 1200	1140 - 1220 mm	128.0 kg	41 126 13 94
S 60kN / 1400	1320 - 1400 mm	137.2 kg	41 126 13 96

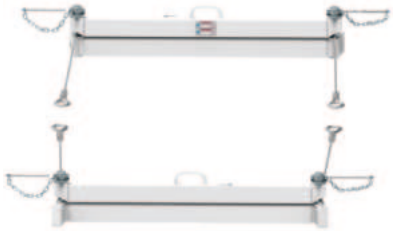
Belt Clamp S - Admissible Working Load 30 kN, Belt Thickness 5 - 30 mm			
S 30kN / 1000	920 - 1000 mm	63.0 kg	41 125 12 04
S 30kN / 1200	1140 - 1220 mm	73.6 kg	41 125 12 15
S 30kN / 1400	1320 - 1400 mm	79.8 kg	41 125 12 31

Further sizes are available upon request.

Usage notes

Safety is MATO's top priority; therefore, our Belt Clamps are subject to high inspection requirements (e.g. 2-times nominal load). They are load handling devices, they tension and relieve the conveyor belt, and they are applied in pairs.

While in service, they form a secure working area with a relieved conveyor belt. They come in 2 nominal strengths 30 kN and 60 kN.



Pricing:

PU = 2 pieces (One for each belt end)

Belt Width	Weight	Order No.
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T-Square for all Belt Thicknesses		
up to 1000 mm	4.4 kg	41 122 00 00
up to 1200 mm	5.0 kg	41 122 00 10
up to 1400 mm	5.6 kg	41 122 00 20
up to 1600 mm	7.0 kg	41 122 00 30
up to 1800 mm	7.6 kg	41 122 00 40

Mark and Cut		
Belt Marker BT-1	0.1 kg	38 559 70
Belt Marker permanently marks conveyor belts. Marking depth approx. 0,8 mm, width approx. 2,0 mm.		

Belt Gripper	0.8 kg	46 800 00 05
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Usage notes

T-Square (90°) with Blade Guide - for cutting to square conveyor belts with a knife.



Description	Weight	Order No.
Rotary Belt Cutter T - Belt Thickness up to 15 mm		
up to 900 mm	18.7 kg	41 000 10 61
up to 1200 mm	22.4 kg	41 000 10 63
up to 1500 mm	26.1 kg	41 000 10 65
up to 1800 mm	29.8 kg	41 000 10 72

Usage notes

For a perfect symmetric cut in textile conveyor belts up to 15 mm thickness. Usable from both sides. Drive Handle* is removable. T-square can be dismounted.

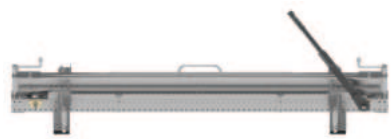


Rotary Belt Cutter TMG - with gear for Belt Thicknesses up to 25 mm		
up to 900 mm	22.4 kg	41 000 13 28
up to 1200 mm	26.1 kg	41 000 13 32
up to 1500 mm	29.8 kg	41 000 13 60
up to 1800 mm	33.5 kg	41 000 13 72



For a perfect symmetric cut in textile conveyor belts up to 25 mm thickness. Usable from both sides. It comes with a gear for lesser effort. Drive Handle* is removable. T-Square can be dismounted.

HD Belt Cutter - Belt Thickness 15 - 35 mm		
up to 1200 mm	45.1 kg	42 123 00 37
up to 1400 mm	47.0 kg	42 123 00 38
up to 1600 mm	50.9 kg	42 123 00 32
up to 1800 mm	54.8 kg	42 123 01 00
up to 2000 mm	62.5 kg	42 123 01 06



For a perfect symmetric cut in textile conveyor belts from 15 - 35 mm thickness. Usable from both sides. Designed especially for high tensile belts.

Spare Blades for Belt Cutter		
Spare Blade TMG + HD	0.1 kg	46 000 10 67
Spare Blade T	0.1 kg	41 000 20 00



Spare Blade for Belt Cutter ECO + T



Spare Blade for Belt Cutter TMG + HD



Belt Cleaner



Belt Lacing <750 kN/m



Lubrication Equipment

MORE HIGH QUALITY PRODUCTS

Discover more products and solutions from MATO

MATO also offers suitable solutions for conveyor belts in the agricultural, logistics, food and laundry industry and many more for the belt lacing product segment in the range below 750kN/m. In the belt cleaner sector, primary and secondary scrapers from MATO offer

- Belt Lacing <750 kN/m
- Belt Cleaner
- Lubrication Equipment

improved cleanliness and conveying performance. MATO is also one of the world's leading producers and suppliers of lubrication equipment. Thanks to our expertise, lubricants are delivered reliably, safely and economically to where they are needed. Find the right solution for your needs. We are at your side to advise you.

More information can be found at en.mato.de

I. Quotation

The documentation pertaining to the quotation such as illustrations, drawings, details of weights and dimensions are only approximately authoritative where they are not expressly designated as binding. The supplier retains the right to ownership and Copyright of all cost estimates, drawings and other papers. These must not be made accessible to third parties. The supplier has an obligation not to make accessible to third parties any plans designated as confidential by the purchaser, without the latter's approval.

II. Scope of the delivery

The written order confirmation from the supplier is definitive for the scope of the delivery. In the case of a quotation from the supplier with a time commitment and timely acceptance, the quotation is definitive, where there is no confirmation of the Order in good time. Supplementary agreements and changes require the written confirmation of the supplier.

III. Price and payment

1. In the absence of any special agreements the prices are ex works, including loading at the factory, but excluding packing. VAT at the applicable statutory rate must be added to the prices.
2. In the absence of any special agreement payment is to be made in cash with no deductions and free of charge at the supplier's point of payment within 30 days after dispatch.
- We grant a discount of 2% if the payment is carried out within 14 days after dispatch.
3. The withholding of payments or the offsetting of any counter claims by the purchaser which are disputed by supplier are not permitted.
4. For orders of less than EUR 50,- nett invoice value we charge a handling charge of additional EUR 15,- for each order.
5. In case of disproportional increases of costs such as labour or material costs we preserve the right for price adaptations even within the period of validity of this pricelist.

IV. Delivery time

1. The delivery time begins with the sending of the order confirmation but not before the purchaser furnishes the documents, approvals, clearances to be provided and also the arrival of the agreed down payment.
2. The delivery times will be extended commensurately in the event of actions which form part of labour disputes, especially strikes and lockouts and also in the event of any unforeseen impediments which are outside the control of the supplier where such impediments can be shown to have a considerable influence of the manufacture or shipment of the object being supplied. This also applies when these circumstances occur at sub-suppliers. The circumstances described are also not to be blamed by the supplier when they arise during an already existing delay. In important cases the supplier will notify the purchaser of the beginning and end of such impediments as soon as possible.
3. The delivery times has been adhered to if by the time it expires the object being supplied has left the factory or its readiness for despatch has been notified.
4. When damage is suffered by the purchaser as a result of delay which has occurred due to the supplier, the purchaser is entitled to request compensation for the

delay, to the exclusion of further claims. For each full week of lateness this will amount to 1/2 of 1%, but at the most 5% of the value of that part of the total delivery which as a result of the delay cannot be utilised in good time or in accordance with the contract.

5. If despatch is delayed at the wish of the purchaser he will be charged for the cost of storage beginning one month after indication of readiness for despatch, for storage at the supplier's factory however at least 1/2 of 1% of the invoiced amount for each month. The supplier however is entitled after setting a suitable period and its fruitless expiry to make other use of the object being supplied and to supply the purchaser over a suitable extended period.
6. Adherence to the delivery period assumes the purchaser meets his contractual obligations.

V. Transfer of risk and acceptance

1. The risk is transferred to the purchaser at the latest upon despatch of the supplied parts, i.e. even if partial deliveries are made or the supplier has taken on further services such as the costs of despatch or transport and setting up. At the request of the purchaser, and at his expense, the shipment can be insured against theft, breakage, transport, fire and water damage and other insurable risks.
2. If the despatch is delayed as a result of circumstances which are the fault of the purchaser, then the risk is transferred to the purchaser from the day of readiness for despatch; the supplier is however under an obligation, at the wish and expense of the purchaser, to effect insurance which the latter request.
3. Objects supplied, even if they exhibit insignificant defects, are to be accepted by the purchaser regardless of the rights under section VII.
4. Partial deliveries are permissible.

VI. Right of ownership

1. The supplier retains the right of ownership to objects supplied until the arrival of all payments under the contract to supply.
 2. The supplier is entitled to insure the object supplied against theft, breakage, transport, fire and water damage and other damage at the purchaser's expense when the purchaser has not shown that he has taken out that insurance himself.
- For defects in the delivery, which includes the absence of the properties explicitly promised, the supplier has the following obligations, to the exclusion of further claims regardless of section IX, 4.

VII. Liability for defects in the delivery

1. All parts which within six month of commissioning prove to be unusable or whose usability is significantly impaired as a result of a state of affairs which was present before the transfer of risk, particularly due to faulty construction, poor material or bad workmanship will be repaired or supplied new at the choice of the supplier, as he judges best.
- The discovery of such defects is to be reported to the supplier in writing without delay. Replaced parts become the property of the supplier. If despatch, set up or commissioning is delayed, without blame being attached to the supplier then this liability expires at the latest 12 month after the transfer of risk. For essential third party products the supplier's liability is limited to the transfer of the entitlement to liability which exists vis a vis the sup-supplier of the third party product.
2. The right of the purchaser to assert claims due to defects

expires in all cases in 6 months from the time of the punctually made complaint, or upon the expiry of the warranty period.

3. No warranty is taken on for damage which occurs due to the following reasons; unsuitable or improper use, incorrect fitting or incorrect repair by the purchaser or by a third party, natural wear and tear, incorrect or negligent treatment, unsuitable operating materials, replacement materials defective construction work, unsuitable construction site, chemical, electro-chemical or electrical effects for which the blame cannot be attributed to the supplier.

4. To allow the repairs and the supply of replacements to be carried out, which appear necessary in the best judgment of the supplier the purchaser, after agreement with the supplier, must provide the necessary time and opportunity otherwise the supplier is released from his obligation for the defect. Only in urgent cases where operational safety is a risk or to avoid disproportionately large damage, whereupon the supplier must be made aware immediately, or if the supplier is delayed in eliminating the defect, the purchaser has the right to eliminate the defect himself or have it eliminated by a third party and to demand reimbursement of the necessary costs from the supplier.

5. Of the direct costs incurred by the repairs of the supply of replacements the supplier will - insofar as the complaint is shown to be justified - bear the cost of the replacement items including the despatch, plus the reasonable costs for the removal and fitting and furthermore, where this can be rightly requested depending on the situation of the individual case, any necessary costs for providing his mechanics and assistants. The purchaser generally bears all other cost.

6. The warranty period on the replacement items and the repair is three months, but this will run until the time of the expiry of the original warranty period for the object supplied. If repairs are necessary the period of liability for the object supplied will be extended by the length of the interruption in operation caused by this.

7. Any modifications or repair work carried out on the part of the purchaser or a third party either inexpertly or without the prior approval of the supplier will cancel the liability for the consequences such actions.

8. Further claims by the purchaser, especially claims for damage which did not occur on the supplied object itself are excluded. The exclusion of liability does not apply if the owner or leading employee, the supplier is only liable for sensibly foreseeable damage typical of the contract. The exclusion of liability also does not apply in cases where in accordance with the product liability law liability is accepted for damage to persons or property on privately used objects, where faults exist on the object supplied. It also does not apply when properties.

VIII. Liability for associated obligation

When, through the fault of the supplier, the object supplied cannot be used by the purchaser in accordance with the contract as a result of omitted or incorrect implementation of suggestions or advice which occurred before or after conclusion of the contract and also other obligations related to the contract, especially instructions for the operation and maintenance of the object supplied then the rulings in Section VII and IX apply appropriately, to the exclusion of further claims by the purchaser.

IX. The rights of the purchaser to withdrawal, variation and other liability of the supplier

1. The purchaser can also withdraw from the contract is the

whole provision of supplies and/or services becomes completely impossible for the supplier before the transfer of risk. The same applies in the event of the supplier's inability to deliver. The purchaser can also withdraw from the contract, for an order of objects of the same type, the implementation of a part of the delivery becomes impossible with respect to quantity or he has a justified interest in refusing a partial delivery, if this is not the case the purchaser can reduce the counter payment to suit.

2. If a delivery delay exists as defined under Section IV of the Conditions of Supply and if the purchaser grants the supplier who is in arrears with the delivery a suitable extension period with an explicit declaration that after the expiry of this period he will refuse to accept the goods and/or services, and if this extended deadline is not met, then the purchaser is entitled to withdraw.

3. If the impossibility occurs during the delay in acceptance or due to the fault of the purchaser then the purchaser remains obliged to make the counter payment.

4. The purchaser also has the right to cancellation of the contract if the supplier, through his own fault, allows a suitable extension period granted to him for repairs of the supply of replacements with regard to a defect, as defined in the conditions of supply and attributable to him, to expire fruitlessly. The right of the purchaser to cancellation of the contract also exists in other cases of failure of the supplier to repair or supply a replacement.

5. Further claims by the purchaser are excluded, especially to termination or reduction and also to compensation for damages of any kind i.e. also for any damages which did not occur on the supplied object itself. This exclusion of liability does not apply if the owner or leading employee have acted with intent or gross negligence and also if there has been blameworthy violation of essential obligations under the contract. In the event of blameworthy violations of essential obligations under the contract, except in cases of intent or gross negligence by the owner of leading employee, the supplier is only liable for sensibly foreseeable damage typical of the contract. The exclusion of liability also does not apply in cases where in accordance with the product liability law liability is accepted for damage to persons or property on privately used objects, where faults exist on the object supplied. It also does not apply when properties are absent which were expressly promised when the promise had the intention of covering the purchaser against damage which did not arise on the supplied object itself.

instructions for the operation and maintenance of the object supplied then the rulings in Section VII and IX apply appropriately, to the exclusion of further claims by the purchaser.

X. Court of jurisdiction

If the purchaser is a fully qualified merchant, a legal personage in public law or a legally separate property proceedings for all disputes arising from a contractual relationship are to be taken at the court with jurisdiction for the supplier's head office or the branch of the supplier which made the delivery. The supplier is also entitled to take proceedings against the buyer at the court of jurisdiction for his head office.

MATO GmbH & Co. KG
63165 Mühlheim
Germany

Order No.		S.	
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38 078 25	49	41 114 07 70	13
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