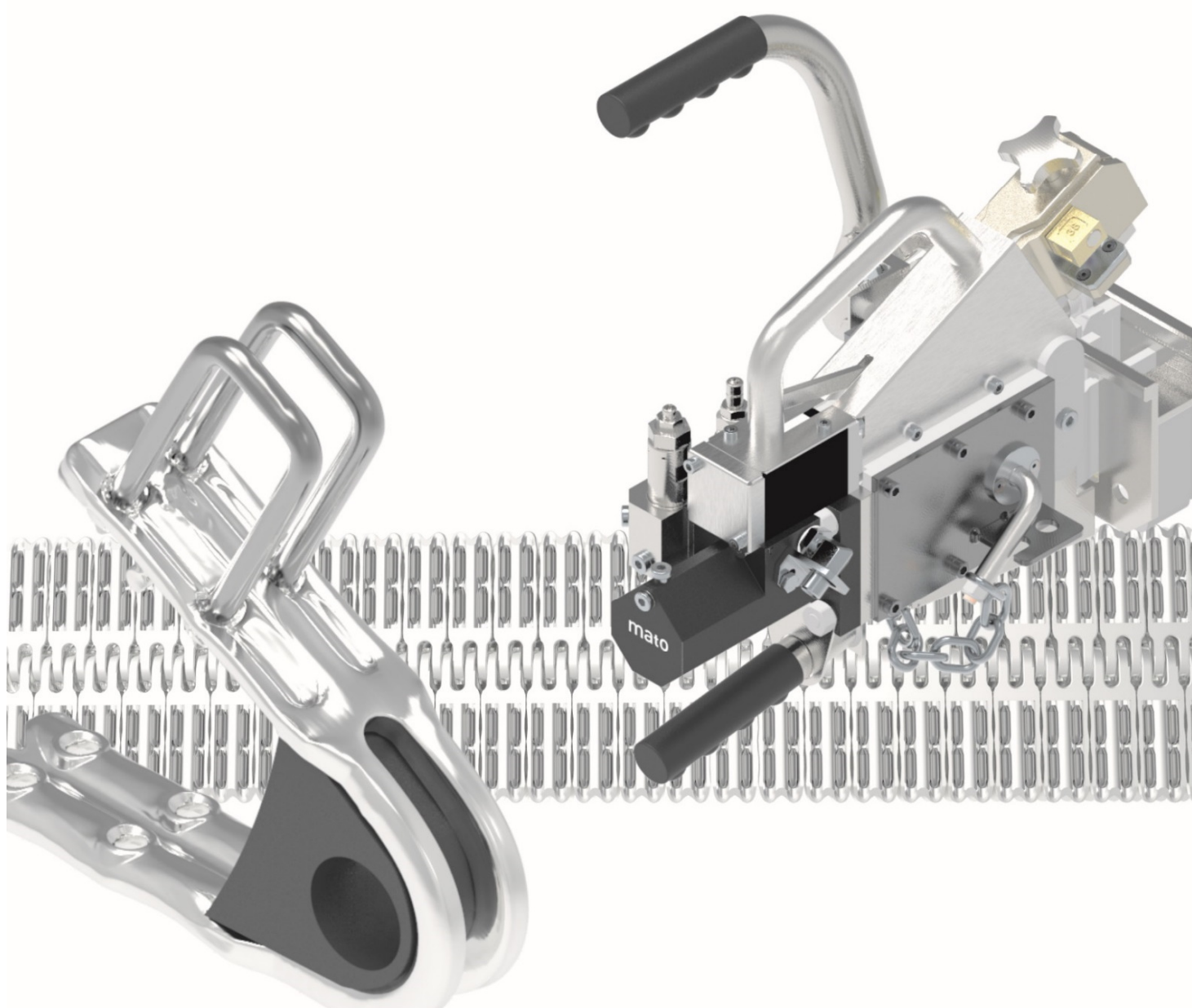


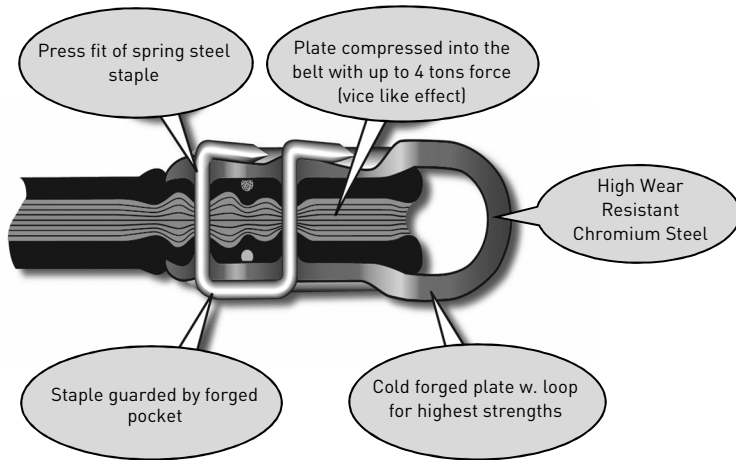
mato



Selection Chart

for Machine Installed Plate Fasteners

Fasteners **U68** and **U68A** are another step-up compared to our U30 Fasteners, so far the safest and the highest performance mechanical Fasteners worldwide. The outstanding features of both types are:



Additionally, Fasteners **U68** and **U68A** have a deeper reachback and higher plate thickness, for more safety and wear resistance.

The **S30S-System** is used in applications where higher corrosion is a problem. In comparison to U30, the S30S has stainless steel staples with press fit specialised to the material combinations.

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.

Belt Thickness (mm)															Belt Strength (kN/m)	Min. Drum Diameter	
5	6	7	8	9	10	11	12	13	14	15	16	17	18	>18*			
U35A																up to 1050	250 mm
S35AS																	
E35A																	
	U35																
	S35BS																
	E35B																
		U37A													up to 1400	350 mm	
		S37AS															
		E37A															
			U37														
			S37BS														
			E37B														
							S37CS								up to 3500	500 mm	
							E37C										
							U38A								up to 4000	600 mm	
								U38									
							U68A										
									U68								

Materials Plate / Staples:

Cr (S)- / Spring Steel

Cr (S)- / CrNi (SS) Steel

Carbon- / Special Steel

* Thicker belts can be skived (covers) to fit

Belt Width	Belt Thickness	Order No.	kg
Belt Fastener U68A - Standard			
Belt Strength up to 4000 kN/m		Minimum Pulley Diameter 600mm	
up to 1000 mm	12-15mm	41 168 15 00	4.8
up to 1200mm	12-15mm	41 168 15 12	5.6
up to 1400 mm	12-15mm	41 168 15 14	6.5
Belt Fastener U68 - Standard			
Belt Strength up to 4000 kN/m		Minimum Pulley Diameter 600mm	
up to 1000mm	15-18mm	41 168 14 44	4.8
up to 1200mm	15-18mm	41 168 14 45	5.6
up to 1400mm	15-18mm	41 168 14 46	6.5



- 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

Staple Material: **Spring Steel**

Plate Material: **Stainless Chromium Steel**

Pricing: based on boxes with Fastener Strips of 200mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width (without Connecting Pin)

Accessories

for Machine Installed System U68 (limited use with systems U30, S30S, E30)

Belt Width	Order No.	kg
Screw Clamping Frame SS 68 (Stainless Steel)		
up to 1200mm	41 129 44 17	33.6
up to 1400mm	41 129 44 18	36.2
up to 1600mm	41 129 44 19	40.0
Screw Clamping Frame MF 68 (Stainless Steel)		
up to 1200mm	42 160 20 13	39.6
up to 1400mm	42 160 20 12	43.3
up to 1600mm	42 160 20 11	47.4
Lacers with manual transport		
Pneumatic Lacer LM35-68	41 130 40 12	24.0
Hydraulic Lacer YM-D2S	41 304 44 00	21.7
Machine Skiver U68		
Machine Skiver XTV-BS Skiving on both sides	42 124 00 07	6.9
Machine Skiver XTV Skiving on one side	42 124 00 10	6.9

For use with Lacers LM 35-68 and YM-D2S as well as Machine Skivers XTV / XTV-BS. For installation of Fastener series U68A / U68
Picture see page 7

For use with Lacers LM 35-68 and YM-D2S as well as Machine Skivers XTV / XTV-BS. For installation of Fastener series U68A / U68. Quickens the installation process and minimizes errors. **Picture see page 8**

For use 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 8

For use with Frames SS-68 and MF-68. Hydraulic Lacer YM-D2S installs all Fasteners of series U68 / U68A. Driven by hydraulic power, pressure range 120 - 160 bar / 8l/min.
Picture see page 8

Reduction of cover thickness of conveyor belts. For use with Frames MF and SS. Belt thickness 7-31mm. Skiving on both sides together with Frame MF only. Blade XTV can be adjusted to skiving width, enables cleaner friendly skiving. Crank Drive.
Picture see page 10

Connecting Pins see pages 14 - 19.

Belt Width	Belt Thickness	Order No.	kg
Belt Fastener U35A - Standard			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	5 - 9 mm	41 114 14 29	2.6
up to 1200 mm	5 - 9 mm	41 114 14 30	3.1
up to 1400 mm	5 - 9 mm	41 114 14 31	3.6
Belt Fastener U35 - Standard			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	7 - 11 mm	41 114 07 16	2.7
up to 1200 mm	7 - 11 mm	41 114 07 12	3.2
up to 1400 mm	7 - 11 mm	41 114 07 10	3.7
Belt Fastener U37A - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	8 - 12 mm	41 114 15 54	3.2
up to 1200 mm	8 - 12 mm	41 114 08 12	3.8
up to 1400 mm	8 - 12 mm	41 114 08 16	4.5
Belt Fastener U37 - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	10 - 14 mm	41 114 00 18	3.2
up to 1200 mm	10 - 14 mm	41 114 00 15	3.9
up to 1400 mm	10 - 14 mm	41 114 00 12	4.5
Belt Fastener U38A - Standard			
Belt Strength up to 3500 kN/m		Minimum Pulley Diameter 500 mm	
up to 1000 mm	12 - 15 mm	41 114 15 21	4.2
up to 1200 mm	12 - 15 mm	41 114 14 22	5.0
up to 1400 mm	12 - 15 mm	41 114 14 14	5.8
Belt Fastener U38 - Standard			
Belt Strength up to 3500 kN/m		Minimum Pulley Diameter 500 mm	
up to 1000 mm	15 - 18 mm	41 114 14 16	4.2
up to 1200 mm	15 - 18 mm	41 114 14 19	5.0
up to 1400 mm	15 - 18 mm	41 114 17 82	5.9
Belt Fastener U35A+ - Sealed			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	5 - 9 mm	41 114 15 47	2.7
up to 1200 mm	5 - 9 mm	41 114 07 35	3.2
up to 1400 mm	5 - 9 mm	41 114 07 09	3.8
Belt Fastener U35+ - Sealed			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	7 - 11 mm	41 114 07 17	2.8
up to 1200 mm	7 - 11 mm	41 114 07 18	3.3
up to 1400 mm	7 - 11 mm	41 114 07 08	3.9
Belt Fastener U37A+ - Sealed			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	8 - 12 mm	41 114 15 55	3.3
up to 1200 mm	8 - 12 mm	41 114 15 56	4.0
up to 1400 mm	8 - 12 mm	41 114 15 59	4.6
Belt Fastener U37+ - Sealed			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	10 - 14 mm	41 114 00 21	3.4
up to 1200 mm	10 - 14 mm	41 114 00 22	4.0
up to 1400 mm	10 - 14 mm	41 114 00 24	4.7
Belt Fastener U38A+ - Sealed			
Belt Strength up to 3500 kN/m		Minimum Pulley Diameter 500 mm	
up to 1000 mm	12 - 15 mm	41 114 15 22	4.3
up to 1200 mm	12 - 15 mm	41 114 14 18	5.2
up to 1400 mm	12 - 15 mm	41 114 14 15	6.1
Belt Fastener U38+ - Sealed			
Belt Strength up to 3500 kN/m		Minimum Pulley Diameter 500 mm	
up to 1000 mm	15 - 18 mm	41 114 15 27	4.3
up to 1200 mm	15 - 18 mm	41 114 14 23	5.2
up to 1400 mm	15 - 18 mm	41 114 14 95	6.2



- 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

Staple Material: **Spring Steel**
 Plate Material: **Stainless Chromium Steel**

Pricing: based on boxes with Fastener Strips of 200mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width (without Connecting Pin)



- Sealing prevents spillage of the material and increases life of the Connecting Pin by a grease filling

Staple Material: **Spring Steel**
 Plate Material: **Stainless Chromium Steel**

Pricing: based on boxes with Fastener Strips of 200mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width (without Connecting Pin)

Belt Width	Belt Thickness	Order No.	kg
------------	----------------	-----------	----

Belt Fastener S35AS - Standard			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	5 - 9 mm	41 114 07 68	2.6
up to 1200 mm	5 - 9 mm	41 114 07 50	3.1
up to 1400 mm	5 - 9 mm	41 114 07 44	3.6

Belt Fastener S35BS - Standard			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	7 - 11 mm	41 114 07 73	2.7
up to 1200 mm	7 - 11 mm	41 114 07 42	3.2
up to 1400 mm	7 - 11 mm	41 114 07 45	3.7

Belt Fastener S37AS - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	8 - 12 mm	41 114 07 56	3.2
up to 1200 mm	8 - 12 mm	41 114 07 48	3.8
up to 1400 mm	8 - 12 mm	41 114 07 46	4.5

Belt Fastener S37BS - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	10 - 14 mm	41 114 07 61	3.2
up to 1200 mm	10 - 14 mm	41 114 07 43	3.9
up to 1400 mm	10 - 14 mm	41 114 07 47	4.5

Belt Fastener S37CS - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 500 mm	
up to 1000 mm	13 - 16 mm	41 114 07 80	3.4
up to 1200 mm	13 - 16 mm	41 114 07 81	4.1
up to 1400 mm	13 - 16 mm	41 114 07 64	4.8



- 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

Staple Material: **Stainless Steel**
 Plate Material: **Stainless Chromium Steel**

Pricing: based on boxes with Fastener Strips of 200mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width (without Connecting Pin)

Belt Fastener S35AS+ - Sealed			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	5 - 9 mm	41 114 07 69	2.7
up to 1200 mm	5 - 9 mm	41 114 07 70	3.2
up to 1400 mm	5 - 9 mm	41 114 07 85	3.7

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

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

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

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



Sealing prevents spillage of the material and increases life of the Connecting Pin by a grease filling

Staple Material: **Stainless Steel**
 Plate Material: **Stainless Chromium Steel**

Pricing: based on boxes with Fastener Strips of 200mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width (without Connecting Pin)

Belt Width	Belt Thickness	Order No.	kg
Belt Fastener E35A - Standard			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	5 - 9 mm	41 114 07 38	2.6
up to 1200 mm	5 - 9 mm	41 114 07 51	3.1
up to 1400 mm	5 - 9 mm	41 114 92 01	3.6
Belt Fastener E35B - Standard			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 1000 mm	7 - 11 mm	41 114 07 39	2.7
up to 1200 mm	7 - 11 mm	41 114 07 40	3.2
up to 1400 mm	7 - 11 mm	41 114 92 02	3.7
Belt Fastener E37A - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	8 - 12 mm	41 114 07 54	3.2
up to 1200 mm	8 - 12 mm	41 114 07 49	3.8
up to 1400 mm	8 - 12 mm	41 114 92 03	4.4
Belt Fastener E37B - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 1000 mm	10 - 14 mm	41 114 07 59	3.2
up to 1200 mm	10 - 14 mm	41 114 07 41	3.9
up to 1400 mm	10 - 14 mm	41 114 92 04	4.5
Belt Fastener E37C - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 500 mm	
up to 1000 mm	13 - 16 mm	41 114 07 76	3.4
up to 1200 mm	13 - 16 mm	41 114 07 77	4.1
up to 1400 mm	13 - 16 mm	41 114 92 05	4.7



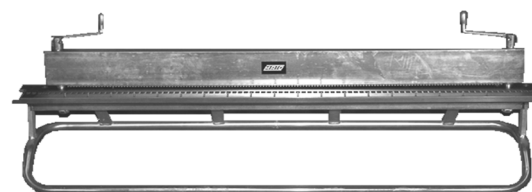
- Light compression into the belt
 - Staple guard
 - Cold forged plate with loops
 - High wear resistant plate material
 - High tensile special steel staples
- Staple Material: **Special Steel**
Plate Material: **Carbon Steel**

Pricing: based on boxes with Fastener Strips of 200mm length, (can be shortened individually). Content is sufficient for one complete lace of according belt width (without Connecting Pin)

Accessories

for Machine Installed Systems U30, S30S, E30

Belt Width	Order No.	kg
Screw Clamping Frame S		
up to 1000 mm	41 129 43 01	28.5
up to 1200 mm	41 129 44 01	32.5
up to 1400 mm	41 129 46 01	36.1
up to 1600 mm	41 129 47 01	40.0
up to 1800 mm	41 129 48 02	44.0
up to 2000 mm	41 129 58 01	50.0
Screw Clamping Frame SS (Stainless Steel)		
up to 1000 mm	41 129 44 05	29.6
up to 1200 mm	41 129 44 07	33.6
up to 1400 mm	41 129 44 08	36.2
up to 1600 mm	41 129 44 09	40.0
up to 1800 mm	41 129 44 10	44.0
up to 2000 mm	41 129 44 11	50.0



For use with Lacers HM, LM and YM-D2S as well as Skivers S and HD. For installation of Fastener series U30, S30S and E30



For use with Lacers HM, LM and YM-D2S as well as Skivers S and HD. For installation of Fastener series U30, S30S and E30

Connecting Pins and Accessories see pages 7 - 12, 14 - 19.

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



For use with Lacers HM, LM, and YM-D2S as well as Belt Skivers S, HD, XTV / XTV-BS. For installation of Fastener series U30, S30S, and E30. Quickens the installation process and minimizes errors

Lacers with manual transport

Manual Lacer HM 35-38	41 129 40 02	15.8
-----------------------	--------------	------



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

Pneumatic Lacer LM 35-38	41 129 40 30	24.0
--------------------------	--------------	------



For use with Frames S, SS, MF, and SP. The Pneumatic Lacer LM 35-38 installs all Fasteners of the series U30, S30S, E30. Driven by compressed air 4-8bar

Hydraulic Lacer YM-D2S 35-68	41 304 44 00	21.7
------------------------------	--------------	------



For use with Frames S, SS, MF, and SP. The Hydraulic Lacer YM-D2S 35-68 installs all Fasteners of the series U30, U68, S30S, E30. Driven by hydraulic power. Pressure range 120-160 bar / 8l/min. Incl. Storage case, see page 9

Description	Order No.	kg
-------------	-----------	----

Storage Case

Storage Case YM-D2S 470 x 248 x 348 mm (LxWxH)	41 304 44 01	9.8
--	---------------------	-----



Solid sheet metal Storage Case - it will ensure safe transport and storage of the Lacer YM-D2S. It comes with a hinged cover and 2 swivelling handles. Measurements inside 470 x 248 x 348 mm (LxWxH)

Hydraulic Power Pack for Lacer YM-D2S 35-68

Compact-Hydraulic Power Pack YM-D2S 400V/50Hz/3Phases	41 304 44 12	27.7
Compact-Hydraulic Power Pack YM-D2S 110V/60Hz/1Phase	41 304 44 13	34.8
Compact-Hydraulic Power Pack YM-D2S 220V/60Hz/1Phase	41 304 44 14	34.4




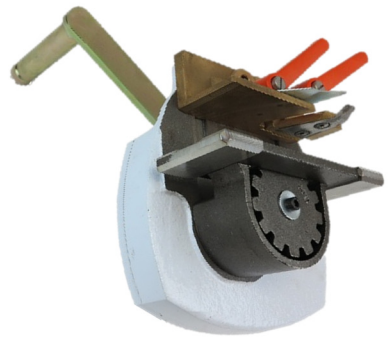
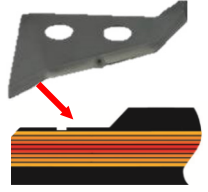
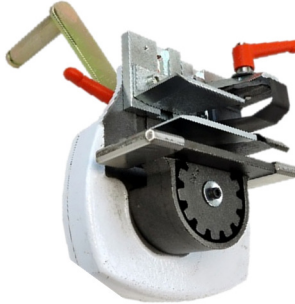


Compact-Hydraulic Power Pack specially aligned for use with the Lacer YM-D2S 35-68. Dual-circuit Power Pack with 120/140 bar, available in different electrical types. Suitable for continuous use with Lacer YM-D2S 35-68.




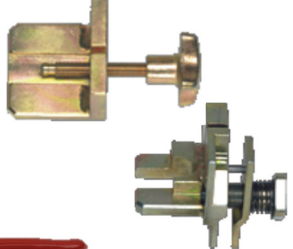

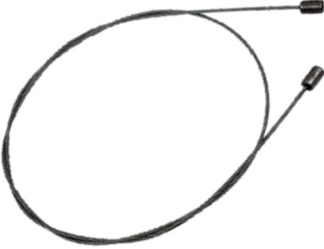
Transport and Storage Cases for Tools

Storage Case 1400 1700 x 440 x 490 mm (LxWxH)	41 127 00 01	67.0
---	---------------------	------







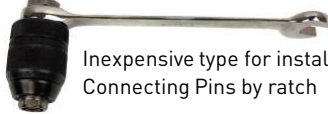



Solid metal sheet Storage Case, for safe transportation and storage of equipment. It comes with a hinged cover and 2 swivelling handles. Measurements inside 1700 x 440 x 490 mm (LxWxH)

Belt Thickness	Order No.	kg	
Machine Skiver S			
Machine Skiver S 5-20 mm	42 123 00 04	6.9	<p>In order to reduce top layer thickness of conveyor belts. To use with Frames S, SS, MF, and SP. Belt thickness range 5-20mm. Crank Drive.</p>  <p>Skiver Blade S for Machine Skiver</p>
Skiver Blade S	42 123 00 06	0.1	
Machine Skiver HD			
Machine Skiver HD 15-30 mm	42 124 00 04	6.9	<p>In order to reduce top layer thickness of conveyor belts. To use with Frames S, SS, MF, and SP. Belt thickness range 15-30mm. Crank Drive.</p>  <p>Skiver Blade HD for Machine Skiver</p>
Skiver Blade HD	42 123 02 00	0.1	
Machine Skiver XTV-BS			
Machine Skiver XTV-BS 7-31 mm	42 124 00 07	7.1	<p>In order to reduce top layer thickness of conveyor belts. To use with Frames S, SS, MF, and SP. 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 width, it enables cleaner friendly skiving. Crank Drive.</p> 
Machine Skiver XTV Skiving on one side	42 124 00 10	6.9	
Skiver Blade XTV	42 123 01 14	0.1	 <p>Skiver Blade XTV for Skiver XTV-BS</p>
Skiver Blade BS	42 123 01 12	0.1	 <p>Skiver Blade BS for Skiver XTV-BS</p>

Description	Order No.	kg	
Wave Master Systems WSS and Optimat			
Wave Master Kit (Metal Box) V2 (Clamping Unit with Quick Clamping Device, 20 Tension Ropes with one end,safety ferrule (2600 mm), Pincer and Distance Holder)	41 129 58 22	3.8	 <p>In order to minimize wave and bowing when installing machine fasteners</p>
WSS-Installation Unit (PU= 10 pieces)	43 121 34 40	0.7	 <p>WSS-Installation Unit consists of Clamping Unit und Clamping Piece</p>
Tension Ropes with one end safety ferrule (PU= 20 pieces) L=1800 mm	43 121 34 36	0.8	 <p>Tension Ropes for WSS-Installation Unit</p>
Tension Ropes with one end safety ferrule (PU= 20 pieces) L=2600 mm	43 121 34 56	1.1	
Optimat Installation Unit (Measuring and Tensioning Block)	43 122 10 20		 <p>In order to minimize wave and bowing when installing machine fasteners with high belt strengths</p>
Optimat Pincer	43 122 10 14	0.4	 <p>For cutting Optimat Tension Ropes</p>
Tension Ropes with two end safety ferrule Width 1000 (PU = 2 pieces)	43 122 10 15	0.2	 <p>Tension Ropes for Optimat Installation Unit</p>
Tension Ropes with two end safety ferrule Width 1200 (PU = 2 pieces)	43 122 10 04	0.2	
Tension Ropes with two end safety ferrule Width 1400 (PU = 2 pieces)	43 122 10 05	0.3	

Setting Gauge for Lacers and Skivers

Setting Gauge for Lacers and Skivers	43 122 10 10	0.3	 <p>Setting Gauge for all types of Lacers and Machine Skivers S and HD</p>
---	--------------	-----	--

Description	Order No.	kg	
Mark and Cut			
			Belt Marker permanently marks conveyor belts. Marking depth approx. 0.8 mm, width approx. 2.0 mm
Belt Marker	46 000 07 60	0.1	
Belt Knife (incl. 5 Spare Blades)	42 123 00 00	0.1	
Installation Tools for Connecting Pins			
Hammer Pin Driver for Plain Connecting Pins	42 123 00 27	1.1	 Ex I M2 c
Inserting Tool for Screw Connecting Pins	42 123 00 03	1.4	 Ex I M2 c
Inserting Tool SS1 with keyless chuck (not illustrated) for Screw Connecting Pins	43 123 00 03	1.2	To install Screw Connecting Pins
Insert Ratchet Eco for Screw Connecting Pins	42 123 00 07	0.9	 Inexpensive type for installing Screw Connecting Pins by ratch
Screw Pin Inserting Tool SS2 for Screw Connecting Pins	42 123 03 00	3.3	 To install Screw Connecting Pins. Both-sided quick chuck for counter-clockwise and clockwise rotation. Working pressure 4 - 6 bar Ex I M2 c
Belt Skiving			
Power Tool (230V/50Hz) for Skiving Blade fls e	42 160 10 20	1.8	 without skiver blade
flsBlade e H30/60-2 2 mm Skiving Depth	42 160 10 12	0.1	 Blade for Power Tool, available in 3 different skiving depths: 2 mm, 3 mm, and 4 mm
flsBlade e H30/60-3 3 mm Skiving Depth	42 160 10 13	0.1	
flsBlade e H30/60-4 4 mm Skiving Depth	42 160 10 14	0.1	

Selection Chart

Connecting Pins for Plate Fasteners

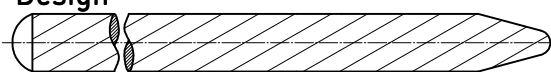
MATO Connecting Pins are aligned in design and material composition to MATO Fasteners. Choosing the right Connecting Pin is important for reaching the optimum performance of the splice in your application.

Selection Chart Connecting Pin Size															Belt Strength (kN/m)	
Belt Thickness (mm)																
5	6	7	8	9	10	11	12	13	14	15	16	17	18	>18*	up to 1050	
U35A, S35AS, E35A, H35AS, H35AE				P1...		P2...										up to 1400
MR35A				L1, P1E												
U35, S35BS, E35B, H35BS,				P1.		P2...										
U37A, S37AS, E37A, H37AS,				P2...		P3...										up to 1800
MR37A				L2, P2E												
U37, S37BS, E37B, H37BS,				P2.		P3...		S37CS, E37C		P3...						
								H67CS, H67CE				P4...				up to 4000
												H67DS, H67DE		P4..., P5E		
								U38A, U68A				P3...		P4.		
												U38, U68		P4...		

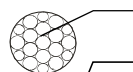
* Thicker belts can be skived (covers) to fit.

Selection Chart Connecting Pin Type							
Connecting Pin type	High Belt Tension	Trough	No Trough	Rust Resistance	Chemical Resistance	Abrasion Resistance (Life Time)	Magnetism
L...	good	good	acceptable	good	poor	acceptable	highly magnetic
P...E	very good	very good	very good	acceptable	poor	good	magnetic
P...S	very good	very good	very good	very good	acceptable	good	magnetic
P...C	very good	very good	very good	excellent	very good	very good	slightly magnetic
P...K	excellent	very good	very good	acceptable	poor	excellent	magnetic

L... - Design



P... - Design



High Tensile Galvanized Cable



High Tensile Stainless Chromium-Nickel Cable

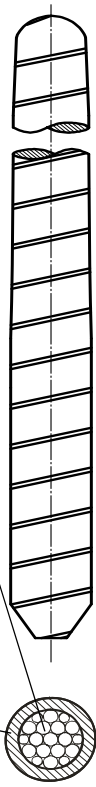
P...E - Special Steel

P...S - Stainless Chromium Steel

P...C - Stainless Chromium-Nickel Steel

P...K - High Wear Resistant Steel

Length	Order No.	kg
Connecting Pins P1K		
Min. Diameter 5,3 mm		
735 mm	42 140 07 35	0.1
785 mm	42 139 20 17	0.1
885 mm	42 140 08 85	0.2
985 mm	42 139 20 18	0.2
1035 mm	42 140 10 35	0.2
1185 mm	42 139 20 19	0.2
1335 mm	42 140 13 35	0.2
1385 mm	42 139 20 20	0.2
1585 mm	42 140 15 85	0.3
Connecting Pins P2K		
Min. Diameter 6,4 mm		
735 mm	42 131 07 35	0.2
785 mm	42 131 08 00	0.2
885 mm	42 131 08 85	0.2
985 mm	42 131 10 00	0.2
1035 mm	42 131 10 50	0.3
1185 mm	42 131 12 00	0.3
1335 mm	42 131 13 35	0.3
1385 mm	42 131 14 00	0.4
1585 mm	42 131 15 85	0.4
1785 mm	42 131 17 85	0.4
Connecting Pins P3K		
Min. Diameter 7,1 mm		
735 mm	42 139 07 35	0.2
785 mm	42 139 20 25	0.2
885 mm	42 139 08 85	0.3
985 mm	42 129 25 81	0.3
1035 mm	42 139 10 35	0.3
1185 mm	42 129 25 84	0.3
1335 mm	42 139 13 35	0.4
1385 mm	42 129 25 87	0.4
1585 mm	42 129 26 04	0.5
1785 mm	42 129 29 12	0.5
Connecting Pins P4K		
Min. Diameter 8,9 mm		
735 mm	42 133 07 35	0.3
785 mm	42 133 08 00	0.4
885 mm	42 133 08 85	0.4
985 mm	42 133 10 00	0.4
1035 mm	42 133 10 35	0.5
1185 mm	42 133 12 00	0.5
1335 mm	42 133 13 35	0.6
1385 mm	42 133 14 00	0.6
1585 mm	42 129 29 09	0.7
1785 mm	42 133 19 17	0.8
1985 mm	42 133 19 85	0.9



High Tensile
Stainless
Chromium-Nickel
Steel

High Wear
Resistant Steel

Highest wear resistance

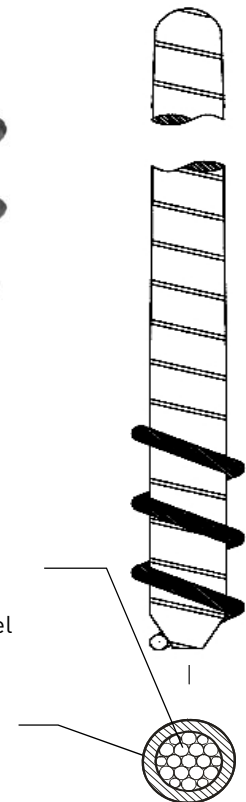
*Excellent for
high belt tension*

*very good for
- trough / no trough*

Length	Order No.	kg
Connecting Pins P1KG		
Min. Diameter 5.3 mm		
750 mm	42 129 20 73	0.1
800 mm	42 139 20 21	0.1
900 mm	42 139 09 00	0.2
1000 mm	42 139 20 22	0.2
1050 mm	42 139 10 50	0.2
1200 mm	42 139 20 23	0.2
1350 mm	42 139 13 50	0.2
1400 mm	42 139 20 24	0.2
1600 mm	42 139 16 00	0.3
Connecting Pins P2KG		
Min. Diameter 6.4 mm		
750 mm	42 132 07 50	0.2
800 mm	42 132 08 00	0.2
900 mm	42 132 09 00	0.2
1000 mm	42 132 10 00	0.3
1050 mm	42 132 10 50	0.3
1200 mm	42 132 12 00	0.3
1350 mm	42 132 13 50	0.3
1400 mm	42 132 14 00	0.4
1600 mm	42 132 16 00	0.4
1800 mm	42 132 18 00	0.4
Connecting Pins P3KG		
Min. Diameter 7.1 mm		
750 mm	42 129 25 38	0.2
800 mm	42 139 20 26	0.2
900 mm	42 129 25 39	0.3
1000 mm	42 129 25 82	0.3
1050 mm	42 129 26 05	0.3
1200 mm	42 129 25 85	0.3
1350 mm	42 129 26 06	0.4
1400 mm	42 129 25 88	0.4
1600 mm	42 129 26 03	0.5
1800 mm	42 129 26 10	0.5
Connecting Pins P4KG		
Min. Diameter 8.9 mm		
750 mm	42 134 07 50	0.3
800 mm	42 134 08 00	0.4
900 mm	42 134 09 00	0.4
1000 mm	42 134 10 00	0.4
1050 mm	42 134 10 50	0.5
1200 mm	42 134 12 00	0.5
1350 mm	42 134 13 50	0.6
1400 mm	42 134 14 00	0.6
1600 mm	42 134 16 00	0.7
1800 mm	42 134 18 00	0.8
2000 mm	42 134 20 00	0.9



Recommended for Sealed Fasteners.
Easy installation,
Installation Tools required (page 12)



High Tensile
Stainless
Chromium-Nickel
Steel

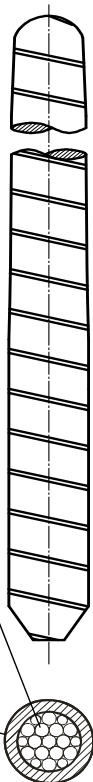
High Wear
Resistant Steel

Highest wear resistance

Excellent for
high belt tension

very good for
- trough / no trough

Length	Order No.	kg
Connecting Pins P1C		
Min. Diameter 5.3 mm		
735 mm	42 127 01 59	0.1
785 mm	42 127 01 35	0.1
885 mm	42 127 00 32	0.2
985 mm	42 127 01 30	0.2
1035 mm	42 127 01 33	0.2
1185 mm	42 127 01 34	0.2
1335 mm	42 127 00 41	0.2
1385 mm	42 127 00 37	0.2
1585 mm	42 127 00 38	0.3
Connecting Pins P2C		
Min. Diameter 6.4 mm		
735 mm	42 128 00 16	0.2
785 mm	42 128 00 13	0.2
885 mm	42 128 00 06	0.2
985 mm	42 128 09 86	0.3
1035 mm	42 128 00 04	0.3
1185 mm	42 128 00 02	0.3
1335 mm	42 128 00 08	0.3
1385 mm	42 128 00 12	0.4
1585 mm	42 128 00 03	0.4
Connecting Pins P3C		
Min. Diameter 7.1 mm		
735 mm	42 129 24 80	0.2
785 mm	42 129 24 92	0.2
885 mm	42 129 24 81	0.3
985 mm	42 129 24 99	0.3
1035 mm	42 129 24 82	0.3
1185 mm	42 129 27 42	0.3
1335 mm	42 129 24 83	0.4
1385 mm	42 129 24 93	0.4
1585 mm	42 129 24 95	0.5
Connecting Pins P4C		
Min. Diameter 8.5 mm		
735 mm	42 129 25 92	0.3
785 mm	42 129 25 96	0.3
885 mm	42 129 25 93	0.4
985 mm	42 129 25 48	0.4
1035 mm	42 129 25 94	0.4
1185 mm	42 129 25 49	0.5
1335 mm	42 129 25 67	0.5
1385 mm	42 129 25 97	0.6
1585 mm	42 129 29 07	0.6



High Tensile
Stainless Chromium-
Nickel Steel

Stainless
Chromium-Nickel
Steel

Very high wear resistance

Highest level of corrosion resistance as well as chemical resistance

Very good for
- high belt tension
- trough / no trough

slightly magnetic

Length	Order No.	kg
Connecting Pins P1CG		
Min. Diameter 5.3 mm		
750 mm	42 129 20 59	0.1
800 mm	42 129 20 42	0.1
900 mm	42 129 20 58	0.2
1000 mm	42 129 20 40	0.2
1050 mm	42 129 20 32	0.2
1200 mm	42 129 20 41	0.2
1350 mm	42 129 20 60	0.2
1400 mm	42 129 20 43	0.2
1600 mm	42 129 20 53	0.3
Connecting Pins P2CG		
Min. Diameter 6.4 mm		
750 mm	42 128 21 16	0.2
800 mm	42 128 21 04	0.2
900 mm	42 129 21 10	0.2
1000 mm	42 128 21 03	0.3
1050 mm	42 128 20 94	0.3
1200 mm	42 128 20 95	0.3
1350 mm	42 128 21 15	0.3
1400 mm	42 128 21 05	0.4
1600 mm	42 128 21 12	0.4
Connecting Pins P3CG		
Min. Diameter 7.1 mm		
750 mm	42 129 24 01	0.2
800 mm	42 129 25 52	0.2
900 mm	42 129 24 02	0.3
1000 mm	42 129 25 50	0.3
1050 mm	42 129 24 03	0.3
1200 mm	42 129 25 51	0.3
1350 mm	42 129 24 04	0.4
1400 mm	42 129 25 53	0.4
1600 mm	42 129 25 74	0.5
Connecting Pins P4CG		
Min. Diameter 8.5 mm		
750 mm	42 129 24 05	0.3
800 mm	42 129 27 43	0.3
900 mm	42 129 24 06	0.4
1000 mm	42 129 27 44	0.4
1050 mm	42 129 24 07	0.4
1200 mm	42 129 27 45	0.5
1350 mm	42 129 24 08	0.5
1400 mm	42 129 27 46	0.6
1600 mm	42 129 27 61	0.6



Recommended for Sealed Fasteners.
Easy installation,
Installation Tools required (page 12)



High Tensile
Stainless Chromium-
Nickel Cable

Stainless
Chromium-
Nickel Steel

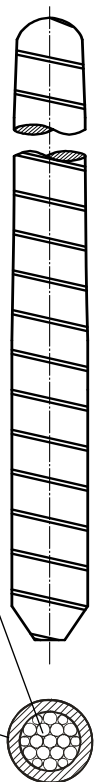
Very high wear resistance

highest level of corrosion resistance as well as chemical resistance

very good for
- high belt tension
- trough / no trough

slightly magnetic

Length	Order No.	kg
Connecting Pins P1S		
Min. Diameter 5.3 mm		
735 mm	42 127 01 14	0.1
785 mm	42 127 01 22	0.1
885 mm	42 127 01 25	0.2
985 mm	42 127 01 20	0.2
1035 mm	42 127 01 26	0.2
1185 mm	42 127 01 21	0.2
1335 mm	42 129 20 10	0.2
1385 mm	42 127 01 23	0.2
1585 mm	42 127 15 85	0.3
Connecting Pins P2S		
Min. Diameter 6.4 mm		
735 mm	42 128 07 50	0.2
785 mm	42 128 07 85	0.2
885 mm	42 128 08 85	0.2
985 mm	42 128 09 85	0.2
1035 mm	42 128 10 35	0.3
1185 mm	42 128 11 85	0.3
1335 mm	42 128 13 35	0.3
1385 mm	42 128 13 85	0.4
1585 mm	42 128 15 85	0.4
1785 mm	42 128 17 85	0.4
Connecting Pins P3S		
Min. Diameter 7.1 mm		
735 mm	42 129 25 41	0.2
785 mm	42 129 25 01	0.2
885 mm	42 129 25 15	0.3
985 mm	42 129 25 02	0.3
1035 mm	42 129 25 11	0.3
1185 mm	42 129 25 03	0.3
1335 mm	42 129 25 14	0.4
1385 mm	42 129 25 04	0.4
1585 mm	42 129 25 19	0.5
1785 mm	42 129 25 45	0.5
Connecting Pins P4S		
Min. Diameter 8.5 mm		
735 mm	42 129 26 01	0.3
785 mm	42 129 27 01	0.3
885 mm	42 129 27 13	0.4
985 mm	42 129 27 02	0.4
1035 mm	42 129 27 06	0.4
1185 mm	42 129 27 03	0.5
1335 mm	42 129 27 12	0.5
1385 mm	42 129 27 04	0.6
1585 mm	42 129 27 09	0.6
1785 mm	42 129 27 15	0.7
1985 mm	42 129 27 10	0.8



High Tensile
Stainless
Chromium-Nickel
Cable

Stainless
Chromium Steel

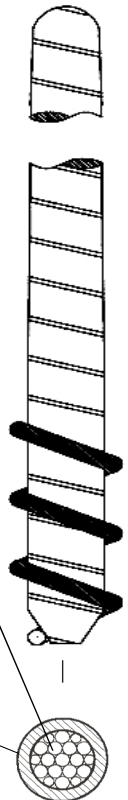
High corrosion resistance

Very good for
- high belt tension
- trough / no trough

Length	Order no.	kg
Connecting Pins P1SG		
Min. Diameter 5.3 mm		
750 mm	42 129 20 22	0.1
800 mm	42 129 20 15	0.1
900 mm	42 129 20 19	0.2
1000 mm	42 129 20 16	0.2
1050 mm	42 129 20 20	0.2
1200 mm	42 129 20 17	0.2
1350 mm	42 129 13 50	0.2
1400 mm	42 129 20 18	0.2
1600 mm	42 129 20 25	0.3
Connecting Pins P2SG		
Min. Diameter 6.4 mm		
750 mm	42 128 20 90	0.2
800 mm	42 128 20 82	0.2
900 mm	42 128 20 83	0.2
1000 mm	42 128 20 79	0.3
1050 mm	42 128 20 84	0.3
1200 mm	42 128 20 77	0.3
1350 mm	42 128 20 89	0.3
1400 mm	42 128 20 80	0.4
1600 mm	42 128 20 81	0.4
1800 mm	42 128 20 88	0.4
Connecting Pins P3SG		
Min. Diameter 7.1 mm		
750 mm	42 129 25 66	0.2
800 mm	42 129 25 23	0.2
900 mm	42 129 25 24	0.3
1000 mm	42 129 25 20	0.3
1050 mm	42 129 25 25	0.3
1200 mm	42 129 25 21	0.3
1350 mm	42 129 25 32	0.4
1400 mm	42 129 25 22	0.4
1600 mm	42 129 25 30	0.5
1800 mm	42 129 25 31	0.5
Connecting Pins P4SG		
Min. Diameter 8.5 mm		
750 mm	42 129 27 33	0.3
800 mm	42 129 27 20	0.3
900 mm	42 129 27 22	0.4
1000 mm	42 129 27 16	0.4
1050 mm	42 129 27 23	0.4
1200 mm	42 129 27 30	0.5
1350 mm	42 129 27 47	0.5
1400 mm	42 129 27 18	0.6
1600 mm	42 129 27 21	0.6
1800 mm	42 129 27 26	0.7
2000 mm	42 129 27 65	0.8



Recommended for Sealed Fasteners.
Easy installation,
Installation Tools required (page 12)



High Tensile
Stainless
Chromium-
Nickel Cable

Stainless
Chromium Steel

High corrosion resistance

Very good for
- high belt tension
- trough / no trough