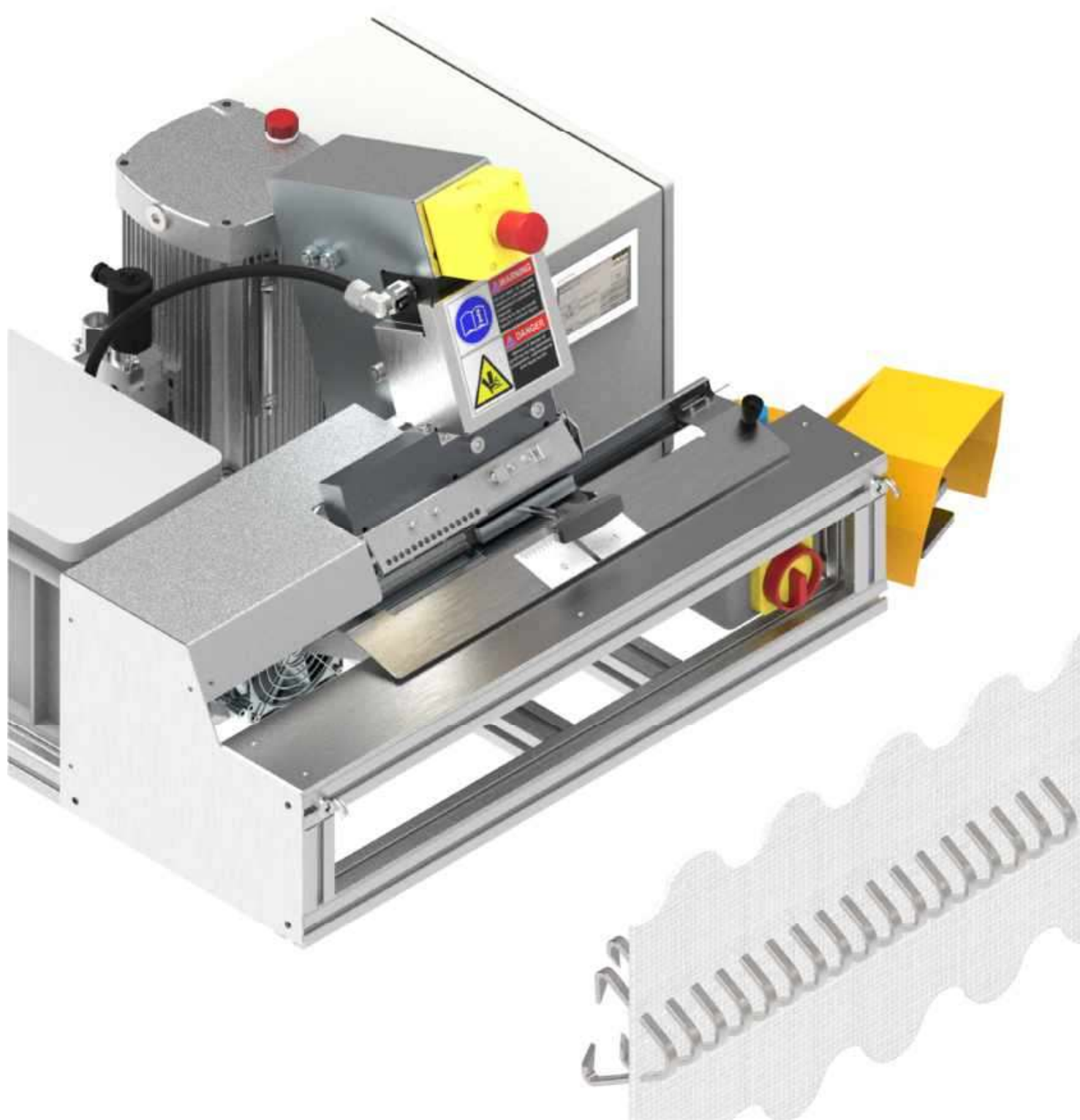


mato

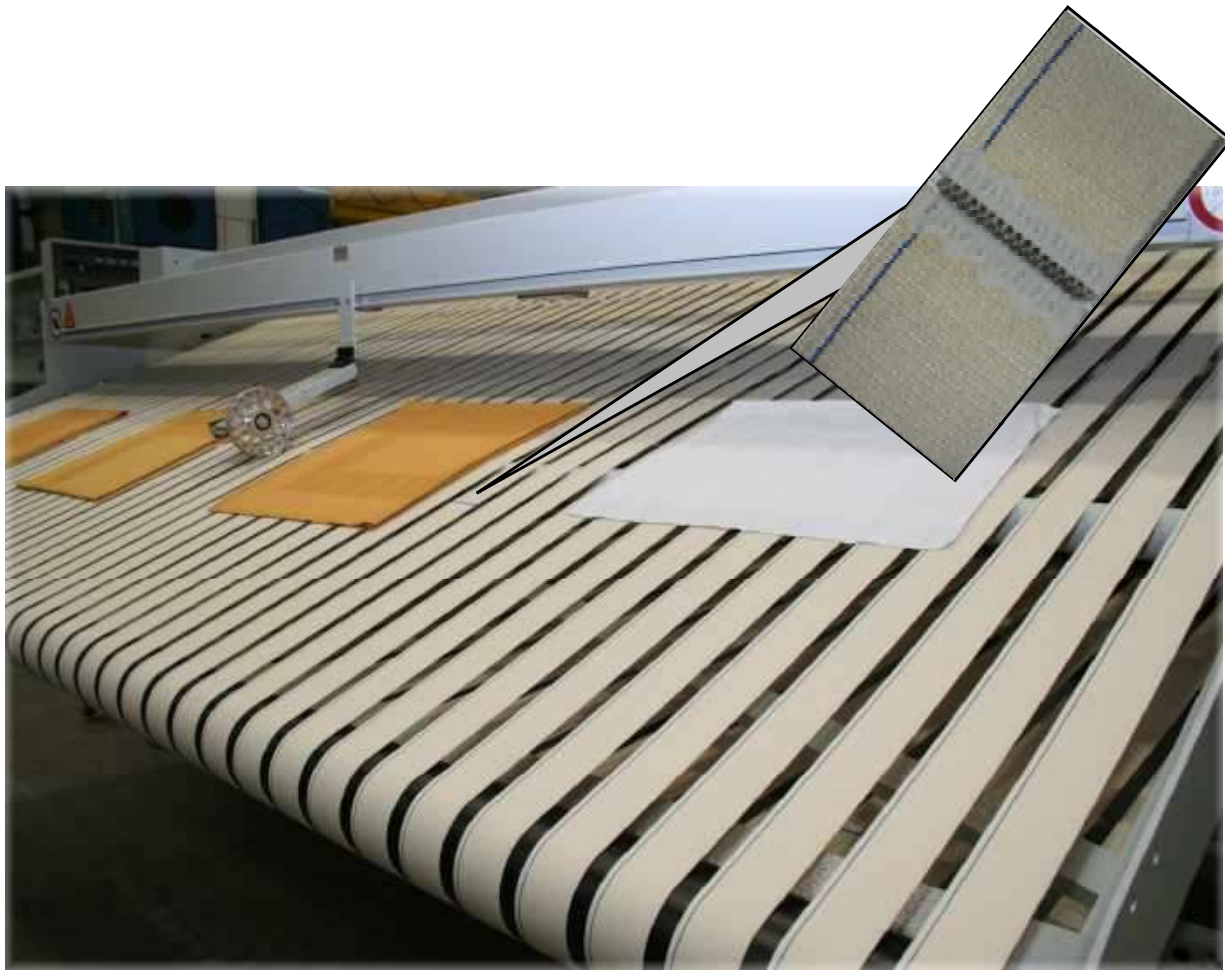


MATO Flat Wire Fastener **Series M50-P and M60-P (MATOPATCH)** has been specifically developed for the **Laundry Industry**. This patented system is a leap forward in lifetime, design, appearance and ease of installation.

Using this fastener you or your customers will have the advantage of the safest, most enduring and optically most appealing Belt Lacing System.

The stainless steel flat wire fasteners are retained on a bar with a preinstalled textile patch are ideal for cotton and felt belts. This achieves the best protection of the laundry against damage and offers low noise levels, abrasive wear and belt connection wear.

The lifetime of the MATOPATCH Lacing System is up to four times longer than other fasteners used in the laundry industry.



MATOPATCH fasteners are designed such that the fastener can be installed in one step using the installation units shown on pages 22.

The requirement for additional gluing time and use of hazardous materials is eliminated. The textile patch can be customized and printed with customers' colours and logos.

Selection Chart
for Fastener Sizes of Systems M50, M60 (Laundry)

What do you need?

- Belt thickness
- Minimum pulley diameter
- Fastener pitch

How do you proceed?

Selection Charts on page 19

Recommendations:

- select longest leg length, for high tension belt and larger pulley diameters.
- select lowest profile wire for a smooth surface and low noise levels.
- select larger profile wire for high wear

Material Selection

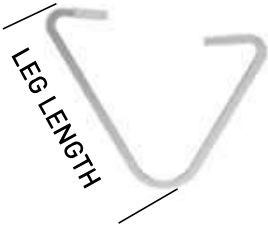
according to your requirements, please see selection chart below

Selection of Connecting Pins

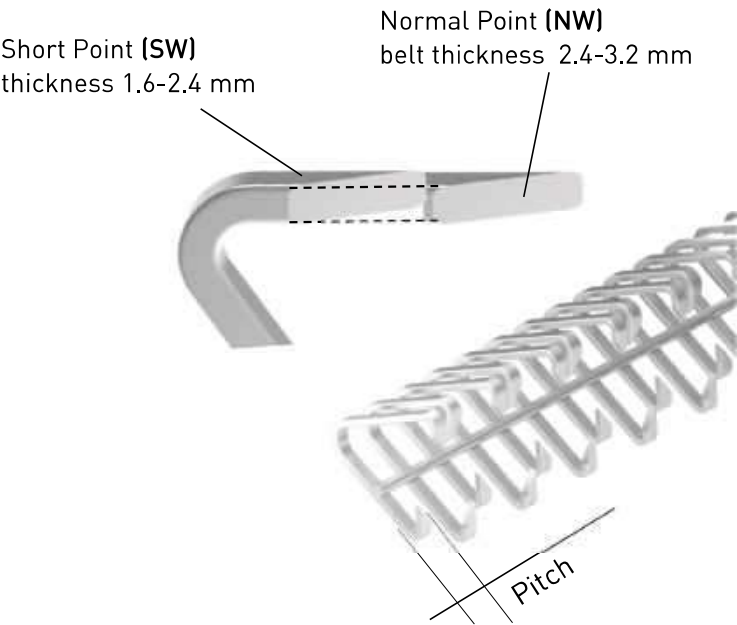
see page 44

with textile patch or without textile patch

Definition:



The leg length depends on the pulley diameter. The bigger the minimum pulley diameter, the longer the leg length. However, for the Laundry Fasteners listed here, the leg lengths are the same (named with number 1.2) See key to selection on page 19.



Material	Abbreviation	Magnetic	Abrasion Resistant	Chemical Resistant	Rust Resistant	Cover Protection	Systems
Stainless Steel, AISI 316L [1.4404]	SS	slightly	●●●●○	●●●●○	●●●●●	no	M50, M60
Stainless Steel, AISI 316L [1.4404] with textile patch	SS-P	slightly	●●●●●	●●●●○	●●●●●	yes	M50-P M60-P

poor ○○○○○ excellent ●●●●●

Contact our MATO specialists for assistance in selecting the correct fastener for your application.

Pitch 1,7mm

Min. Pulley Diameter	Wire Dimensions		Connecting Pin Ø mm (Type)	Belt Thickness							
				≤ 1/32"	1/16"	5/64"	3/32"	7/64"	1/8"	9/64"	5/32"
	mm	inch		≤ 0,8mm	1,6mm	2,0mm	2,4mm	2,8mm	3,2mm	3,6mm	4,0mm
30mm 1 1/8"	0,65 x 0,5	0,026 x 0,020	1,5 (MK15)		M51.2SW-SS-P						
	0,65 x 0,5	0,026 x 0,020	1,5 (MK15)		M51.2SW-SS						
	0,65 x 0,5	0,026 x 0,020	1,5 (MK15)					M51.2NW-SS			

Pitch 2,54mm

Min. Pulley Diameter	Wire Dimensions		Connecting Pin Ø mm (Type)	Belt Thickness							
				≤ 1/32"	1/16"	5/64"	3/32"	7/64"	1/8"	9/64"	5/32"
	mm	inch		≤ 0,8mm	1,6mm	2,0mm	2,4mm	2,8mm	3,2mm	3,6mm	4,0mm
30mm 1 1/8"	0,9 x 0,5	0,035 x 0,020	1,5 (MK15)		M61.2LSW-SS-P						
	0,9 x 0,5	0,035 x 0,020	1,5 (MK15)		M61.2LSW-SS						
	0,9 x 0,5	0,035 x 0,020	1,5 (MK15)					M61.2LNW-SS			



Patch Fasteners
welded on wire bar



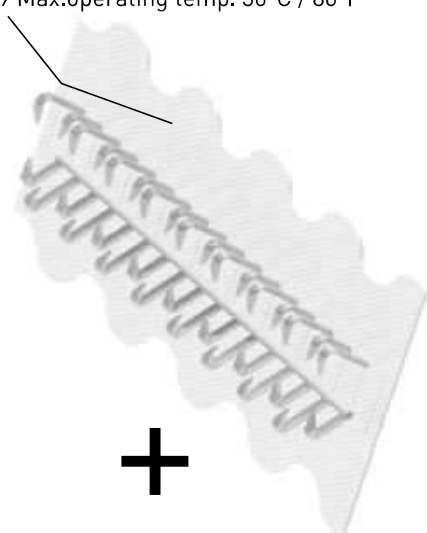
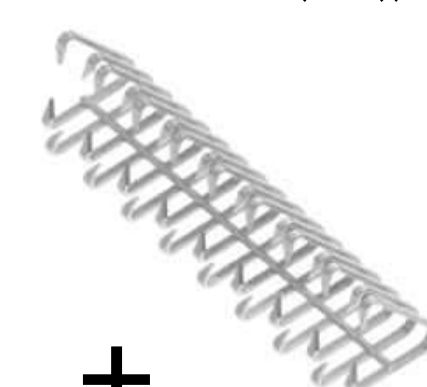
Fasteners welded on wire bar

See pages 32 for different belt thickness and pitches
or on request.

Key to selection example:

M 6 1.2 L S W -SS -P 10

Spec. Patch	10	max. operating temp. 150°C / 302°F
	67	max. operating temp. 150°C / 302°F
	69	max. operating temp. 30°C / 86°F
Material Patch	-P	With Textile Patch
Material Wire	-SS	Stainless Steel 316L (1.4404)
Point	SW	Short Point, Alternate Cut
	NW	Normal Point, Alternate Cut
	LW	Long Point
Wire shape	L	Low Profile, or respectively flattened round wire
	1	25 mm
	1.2	30 mm
Min Pulley diameter	2	50 mm
	3	75 mm
	4	100 mm
Pitch	5	1.7 mm
	6	2.54 mm
Wire Profile	M	Flat Wire
	R	Round Wire

Belt Width	Fasteners per Strip	No. Of Laces	Order No.	
Fastener M61.2LSW-SS-P10				<p>Material: Stainless Steel 316L(1.4404)</p> <p>Textile Patch coated on one side with hot glue P10 Max.operating temp. 150°C / 302°F P69 Max.operating temp. 30°C / 86°F</p> 
Belt thickness 1.6 - 2.4 mm				
35 mm	11 / 12	50	42 654 03 50	
38 mm	12 / 13	50	42 654 03 80	
40 mm	13 / 14	50	42 654 04 00	
48 mm	16 / 17	50	42 654 04 80	
50 mm	17 / 18	50	42 654 05 00	
57 mm	20 / 21	50	42 654 05 70	
60 mm	21 / 22	50	42 654 06 00	
63 mm	22 / 23	50	42 654 06 30	
75 mm	27 / 28	50	42 654 07 50	
88 mm	31 / 32	25	42 654 08 80	
100 mm	35 / 36	25	42 654 10 00	
113 mm	41 / 42	25	42 654 11 30	
118 mm	41 / 42	25	42 654 11 80	
Fastener M61.2LSW-SS-P69				<p>- Pitch: 2.54 mm</p> <p>- Wire measurements: 0.9 x 0.5 mm</p> <p>- Barred Fasteners</p> <p>- Box content incl. Connecting Pins MK15-NYN</p>
Belt thickness 1.6 - 2.4 mm				
63 mm	22 / 23	50	42 733 06 30	
113 mm	41 / 42	25	42 733 11 30	
Fastener M61.2LSW-SS (without Textile Patch)				<p>- Material: Stainless Steel 316L (1.4404) (SS)</p> 
Belt thickness 1.6 - 2.4 mm				
38 mm	12 / 13	100	42 268 03 80	
40 mm	13 / 14	100	42 268 04 00	
48 mm	16 / 17	100	42 268 04 80	
50 mm	17 / 18	100	42 268 05 00	
57 mm	20 / 21	100	42 268 05 70	
63 mm	22 / 23	50	42 268 06 30	
88 mm	31 / 32	50	42 268 08 80	
100 mm	35 / 36	25	42 268 10 00	
Fastener M61.2LNW-SS (without Textile Patch)				<p>- Pitch: 2.54 mm</p> <p>- Wire measurements: 0.9 x 0.5 mm</p> <p>- Barred Fasteners</p>
Belt thickness 2.4 - 3.2 mm				
38 mm	12 / 13	100	42 269 03 80	
40 mm	13 / 14	100	42 269 04 00	
50 mm	17 / 18	100	42 269 05 00	
63 mm	22 / 23	50	42 269 06 30	
100 mm	35 / 36	25	42 269 10 00	
127 mm	46 / 47	50	42 269 12 70	
150 mm	55 / 56	50	42 269 15 00	

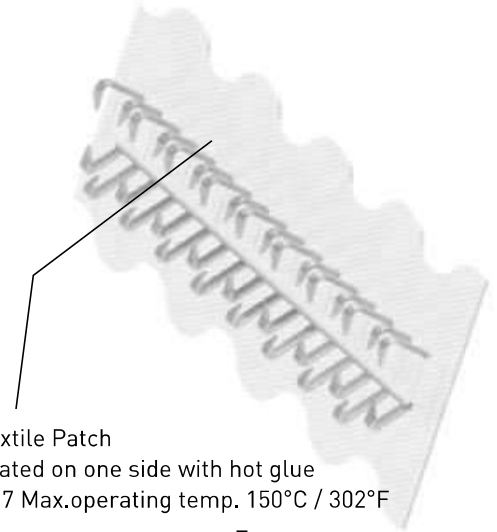
Belt Width	Fasteners per Strip	No. Of Laces	Order No.
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Belt Fastener M51.2SW-SS-P67

Belt thickness 1.6 - 2.4 mm

38 mm	19 / 20	50	42 723 04 00
48 mm	24 / 25	50	42 723 04 80
50 mm	26 / 27	50	42 723 05 00
57 mm	30 / 31	50	42 723 05 70
60 mm	32 / 33	50	42 723 06 00
88 mm	46 / 47	25	42 723 08 80
113 mm	61 / 62	25	42 723 11 30
120 mm	64 / 65	25	42 723 12 00

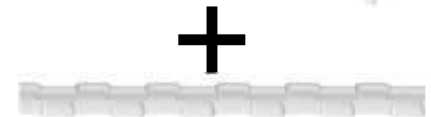
Material: Stainless Steel 316L(1.4404)



Belt Fastener M51.2SW-SS (without Textile Patch)

Belt thickness 1.6 - 2.4 mm

38 mm	19 / 20	100	42 690 04 00
48 mm	24 / 25	100	42 690 04 80
50 mm	26 / 27	100	42 690 05 00
57 mm	30 / 31	100	42 690 05 70
60 mm	32 / 33	100	42 690 06 00
75 mm	39 / 40	100	42 690 07 50
88 mm	46 / 47	50	42 690 08 80
113 mm	61 / 62	50	42 690 11 30
120 mm	64 / 65	50	42 690 12 00



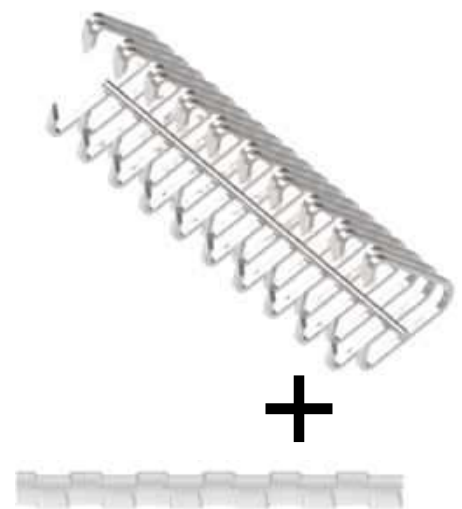
- Pitch: **1.7 mm**
- Wire measurements: 0.65 x 0.5 mm
- Barred Fasteners
- Box content incl. Connecting Pin MK15-NYN

Material: Stainless Steel 316L(1.4404)

Belt Fastener M51.2NW-SS (without Textile Patch)

Belt thickness 2.4 - 3.2 mm

38 mm	19 / 20	100	42 699 04 00
48 mm	24 / 25	100	42 699 04 80
50 mm	26 / 27	100	42 699 05 00
300 mm	172 / 173	20	42 699 30 00



- Pitch: **1.7 mm**
- Wire measurements: 0.65 x 0.5 mm
- Barred Fasteners
- Box content incl. Connecting Pin MK15-NYN

Description	Pitch (mm)	Order No.
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Installation Machine 260WP Compact

MATOPATCH 260WP-C**42 200 00 23**

The hydraulic installation machine MATOHYD 260 WP-C (base unit) is used for high-quality and economical patch splices for belt widths up to 120 mm (with Patch) up to 260 mm (without Patch).

- 3,5" Touch screen
- select within 15 installation programs
- installation of 2 belt ends in one cycle (max. 50mm width each)
- interchangeable hook retaining comb (pitch 2,54 mm)
- water cooling
- adjustable installation parameters like: installation pressure, installation pressure time, heating temperature etc.



Description

Order No.

Installation Machine 260WP / 480WP

The hydraulic installation machines MATOHYD 260 WP and MATOHYD 480WP are used for high-quality and economical Patch splices.

- 5,7" Touch screen
- selection of various languages
- up to 99 installation programs
- guided belt insertion and fastener inserting tools for 2 belt width
- installation of 2 belt ends in one cycle
- interchangeable hook retaining comb with 2,4 mm pitch
- hook retaining comb with pitch 1,7 mm optional
- high end water cooling for permanent usage of machine
- adjustable installation parameters like: installation pressure, installation pressure time, heating temperature etc.
- Foot switch
- working bench

max. Belt width **MATOHYD 260WP:**

120 mm (with Patch),

260 mm (without Patch)

-2 belt ends with max. 50 mm width in one installation process

max. Belt width **MATOHYD 480WP:**

220 mm (with Patch),

480 mm (without Patch)

-2 belt ends with max. 100mm width in one installation process

MATOHYD 260WP

42 200 00 06



MATOHYD 480WP

42 204 00 01

Description	Working Width	Order No.
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Accessories

Belt Cutter LD

150 mm

42 510 01 50

The Belt Cutter will cut belts up to 150mm wide in one pass. The round blade design has eight positions so when blade is worn turn to next position (see below).



Spare Blade

42 510 11 50

for Belt Cutter LD (PU 1)



Textile Belt Cutter

50 mm

42 050 10 10

90° Angle Stop

The Textile Belt Cutter is ideal for cutting Light Duty Belts such as Laundry Belts. The 90° stop produces an accurate cut.



Spare Blade

42 050 10 11

for Textile Belt Cutter (PU 10)



Supergrip Skiver

7 mm

42 640 00 00

Hand Skiver for patterned and rough top belts.



Belt Clamp W1

100 mm

42 480 90 00

The Belt Clamp W1 enables easy tensioning and de-tensioning of laundry belts.