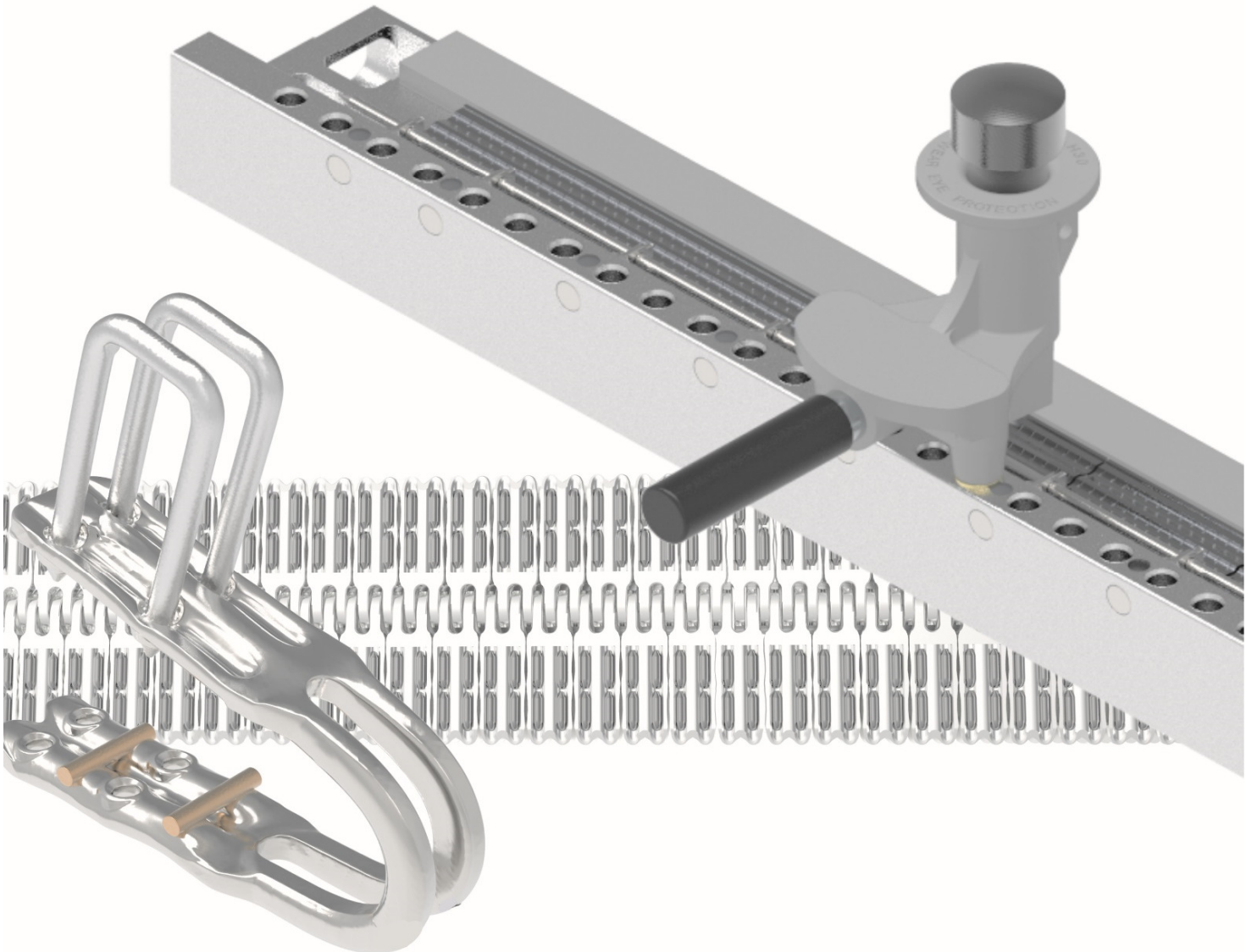


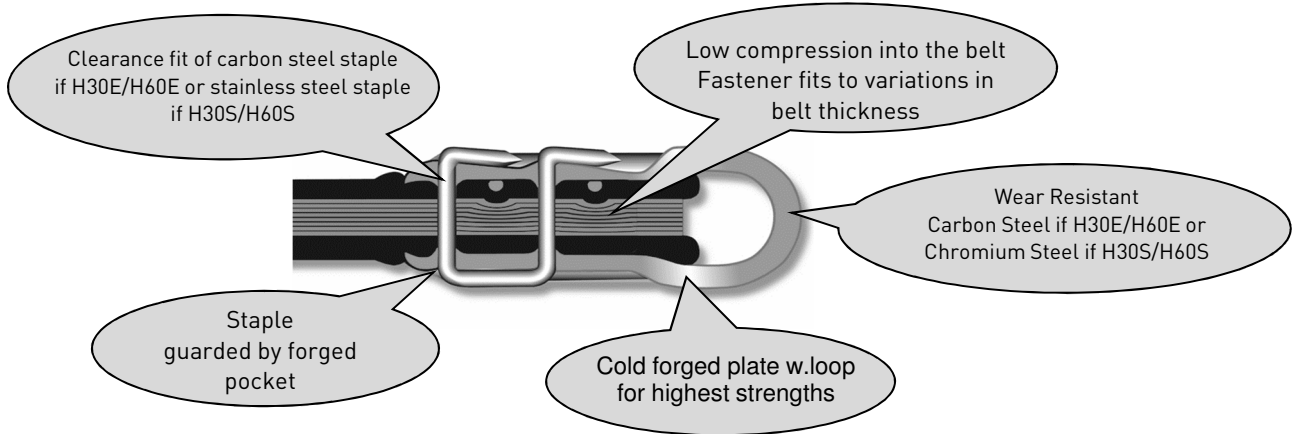
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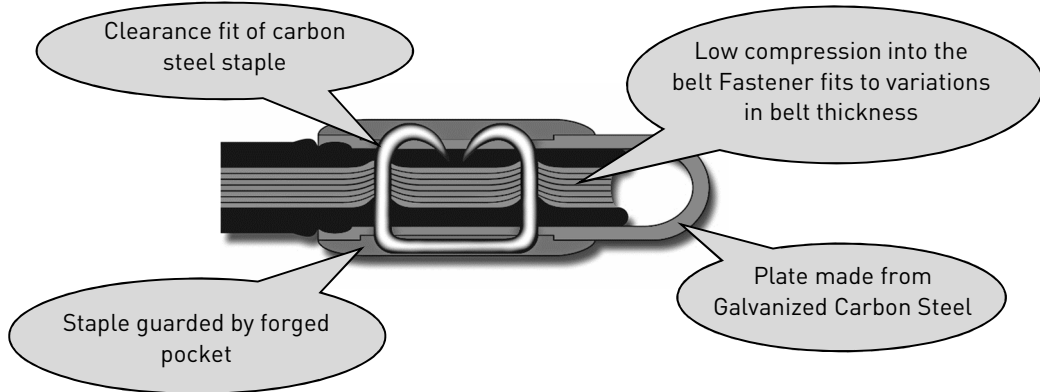
Selection Chart

Hammer Installed Plate Fasteners

The **Systems H30 and H60** are the strongest Hammer Systems. Belt ends with H30 / H60 are connectable to belt-ends with U30 or S30S or E30. Its outstanding features are:



The **MR30-System** is a simple and easy to use Hammer System. In comparison to other Wide Plate Fasteners, the MR30-System has a long life time and can be installed within a short time.



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*		
	H35AS														up to 1050	250 mm
	H35AE															
	MR35A															
	H35BS															
	H35BE															
		H37AS														
		H37AE														
		MR37A														
		H37BS														
		H37BE														
			H67CS												up to 1800	500 mm
			H67CE													
			H67DS													
			H67DE													

Materials Plate / Staples:

Cr (S)- / CrNi (SS) Steel **Carbon Steel / Special Steel**

* Thicker belts can be skived (cover) to fit

Belt Width	Belt Thickness	Order No.	kg
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Belt Fastener H35AS - Standard			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 900 mm	6 - 9 mm	41 116 22 17	2.4
up to 1000 mm	6 - 9 mm	41 116 22 18	2.7
up to 1050 mm	6 - 9 mm	41 116 22 19	2.9
up to 1200 mm	6 - 9 mm	41 116 22 30	3.3
up to 1350 mm	6 - 9 mm	41 116 22 21	3.7
up to 1400 mm	6 - 9 mm	41 116 22 22	3.9
up to 1600 mm	6 - 9 mm	41 116 22 24	4.4

Belt Fastener H35BS - Standard			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 900 mm	7 - 11 mm	41 116 22 26	2.4
up to 1000 mm	7 - 11 mm	41 116 22 27	2.7
up to 1050 mm	7 - 11 mm	41 116 22 28	2.9
up to 1200 mm	7 - 11 mm	41 116 20 30	3.3
up to 1350 mm	7 - 11 mm	41 116 18 30	3.8
up to 1400 mm	7 - 11 mm	41 116 22 31	3.9
up to 1600 mm	7 - 11 mm	41 116 22 33	4.4

Belt Fastener H37AS - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 900 mm	8 - 12 mm	41 116 22 62	2.9
up to 1000 mm	8 - 12 mm	41 116 22 63	3.3
up to 1050 mm	8 - 12 mm	41 116 22 64	3.5
up to 1200 mm	8 - 12 mm	41 116 22 65	3.9
up to 1350 mm	8 - 12 mm	41 116 22 66	4.5
up to 1400 mm	8 - 12 mm	41 116 22 67	4.6
up to 1600 mm	8 - 12 mm	41 116 22 69	5.3

Belt Fastener H37BS - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 900 mm	10 - 14 mm	41 116 22 71	2.9
up to 1000 mm	10 - 14 mm	41 116 22 72	3.3
up to 1050 mm	10 - 14 mm	41 116 22 73	3.5
up to 1200 mm	10 - 14 mm	41 116 22 74	4.0
up to 1350 mm	10 - 14 mm	41 116 22 75	4.5
up to 1400 mm	10 - 14 mm	41 116 22 76	4.7
up to 1600 mm	10 - 14 mm	41 116 22 78	5.3

Belt Fastener H67CS - Standard			
Belt Strength up to 1800 kN/m		Minimum Pulley Diameter 500 mm	
up to 900 mm	12 - 16 mm	41 118 50 24	4.5
up to 1000 mm	12 - 16 mm	41 118 50 25	5.0
up to 1050 mm	12 - 16 mm	41 118 50 26	5.3
up to 1200 mm	12 - 16 mm	41 118 50 16	6.0
up to 1350 mm	12 - 16 mm	41 118 50 27	6.7
up to 1400 mm	12 - 16 mm	41 118 50 28	6.9
up to 1600 mm	12 - 16 mm	41 118 50 29	7.9

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



- 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

Staple Material: **Stainless Steel**
 Plate Material: **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)



- 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

Staple Material: **Stainless Steel**
 Plate Material: **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	Order No.	kg
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Belt Fastener H35AE - Standard			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 900 mm	6 - 9 mm	41 116 20 00	2.4
up to 1000 mm	6 - 9 mm	41 116 20 01	2.7
up to 1050 mm	6 - 9 mm	41 116 20 02	2.9
up to 1200 mm	6 - 9 mm	41 116 20 03	3.3
up to 1350 mm	6 - 9 mm	41 116 20 04	3.7
up to 1400 mm	6 - 9 mm	41 116 20 05	3.9
up to 1600 mm	6 - 9 mm	41 116 20 07	4.4

Belt Fastener H35BE - Standard			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 900 mm	7 - 11 mm	41 116 20 09	2.4
up to 1000 mm	7 - 11 mm	41 116 20 10	2.7
up to 1050 mm	7 - 11 mm	41 116 20 11	2.9
up to 1200 mm	7 - 11 mm	41 116 20 12	3.3
up to 1350 mm	7 - 11 mm	41 116 20 13	3.7
up to 1400 mm	7 - 11 mm	41 116 20 14	3.9
up to 1600 mm	7 - 11 mm	41 116 20 16	4.4

Belt Fastener H37AE - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 900 mm	8 - 12 mm	41 116 21 45	2.9
up to 1000 mm	8 - 12 mm	41 116 21 46	3.3
up to 1050 mm	8 - 12 mm	41 116 21 47	3.5
up to 1200 mm	8 - 12 mm	41 116 21 48	3.9
up to 1350 mm	8 - 12 mm	41 116 21 49	4.5
up to 1400 mm	8 - 12 mm	41 116 21 50	4.6
up to 1600 mm	8 - 12 mm	41 116 21 52	5.3

Belt Fastener H37BE - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 900 mm	10 - 14 mm	41 116 21 54	2.9
up to 1000 mm	10 - 14 mm	41 116 21 55	3.3
up to 1050 mm	10 - 14 mm	41 116 21 56	3.5
up to 1200 mm	10 - 14 mm	41 116 21 57	3.9
up to 1350 mm	10 - 14 mm	41 116 21 58	4.5
up to 1400 mm	10 - 14 mm	41 116 21 59	4.6
up to 1600 mm	10 - 14 mm	41 116 21 61	5.3

Belt Fastener H67CE - Standard			
Belt Strength up to 1800 kN/m		Minimum Pulley Diameter 500 mm	
up to 900 mm	12 - 16 mm	41 118 49 80	4.5
up to 1000 mm	12 - 16 mm	41 118 49 81	5.0
up to 1050 mm	12 - 16 mm	41 118 49 82	5.3
up to 1200 mm	12 - 16 mm	41 118 50 00	6.0
up to 1350 mm	12 - 16 mm	41 118 49 83	6.7
up to 1400 mm	12 - 16 mm	41 118 49 84	6.9
up to 1600 mm	12 - 16 mm	41 118 49 85	7.9

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



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

Staple Material: **Special Steel**
 Plate Material: **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)



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

Staple Material: **Special Steel**
 Plate Material: **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	Order No.	kg
Installation Unit HTA H30 - Aluminium Frame		
400 mm	41 119 04 00	14.2
1000 mm	41 119 10 00	24.6
1200 mm	41 119 12 00	26.4
1400 mm	41 119 14 00	28.3
1600 mm	41 119 16 00	31.0

Standard equipment of all Installation Units includes a **Hammer Frame** and a **Lacing Head**.



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

- Aluminium Frame
- The Installation Units HTA H30 can be adjusted to the Fastener sizes H35A and H35 as well as H37A and H37. Simply turn the Comb Pins to the required Fastener size.
- The Installation Units HTA H60 can be used for Fastener sizes H67CE and H67DE
- The low weight of the Installation Unit allows easy handling

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



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

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

Hammer		
Hammer HM	44 130 16 03	2.1



Ergonomic Hammer with Fiber Glass Shaft (2kg)

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



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

Belt Skiver		
Belt Skiver 17/20 - H30/H60	41 129 58 50	0.8
Spare Blade Belt Skiver 17/20	41 129 58 51	0.1



Belt Width	Order No.	kg	
Lacing Head			
Lacing Head HK H30	41 117 01 00	3.6	 <p>Lacing Head for installing fasteners H30 / H60 manually by hammer</p>
Lacing Head HK H60	41 117 01 67	3.9	 <p>Ex I M2 c</p>
Pneumatic Hammer			
Pneumatic Hammer H30/H60	46 000 10 00	6.9	 <p>Maximum Operating Pressure 6 bar. For installing Fasteners H30 / H60. Delivery without Head.</p>
Head Complete for Pneumatic Hammer			
Pneumatic Hammer Head H30/H60	46 000 10 50	2.9	 <p>Pneumatic Hammer-Lacing Head For installing Fasteners H30 / H60. Suitable for Pneumatic Hammer Nr. 46 000 10 00. Suitable for all Hammer Frames H30 / H60</p>
Punch for Pneumatic Hammer			
Punch for Pneumatic Hammer H30/H60	46 000 10 70	0.6	
Head Complete for Electric Hammer (SDS-MAX Take-Up)			
Electric Hammer Head H30/H60	43 333 02 00	4.2	 <p>Electric Hammer-Lacing Head For installing Fasteners H30 / H60. Suitable for all brands with SDS-MAX take-up. (Minimum of 12 Joule necessary for installation!)</p>
Punch for Electric Hammer (SDS-MAX Take-Up)			
Punch for Electric Hammer H30/H60	43 333 03 00	0.6	

Belt Width	Belt Thickness	Order No.	kg
Belt Fastener MR35A - Standard			
Belt Strength up to 1050 kN/m		Minimum Pulley Diameter 250 mm	
up to 900 mm	5 - 10 mm	46 000 10 36	3.0
up to 1000 mm	5 - 10 mm	46 000 10 37	3.2
up to 1050 mm	5 - 10 mm	46 000 10 38	3.3
up to 1200 mm	5 - 10 mm	46 000 10 39	3.5
up to 1350 mm	5 - 10 mm	46 000 10 40	3.8
up to 1400 mm	5 - 10 mm	46 000 10 41	3.9



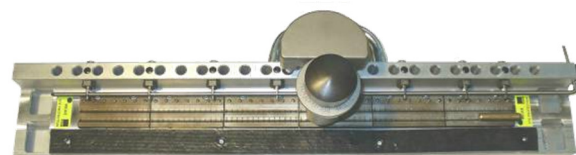
Belt Width	Belt Thickness	Order No.	kg
Belt Fastener MR37A - Standard			
Belt Strength up to 1400 kN/m		Minimum Pulley Diameter 350 mm	
up to 900 mm	10 - 15 mm	46 000 10 44	3.2
up to 1000 mm	10 - 15 mm	46 000 10 45	3.5
up to 1050 mm	10 - 15 mm	46 000 10 46	3.7
up to 1200 mm	10 - 15 mm	46 000 10 47	4.2
up to 1350 mm	10 - 15 mm	46 000 10 48	4.7
up to 1400 mm	10 - 15 mm	46 000 10 49	4.9

- Low compression in the belt
 - Staple Guard
 - Wear resistant plate material (galvanized)
 - High tensile special steel staples
 - Fits to variations in belt thickness
- Staple Material: **Special Steel**
 Plate Material: **Carbon Steel**
- 4.9 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)

Installation Units and Accessories

for Hammer Installed Systems MR30

Belt Width	Order No.	kg
Installation Unit MRTA MR30		
1000 mm	46 000 10 52	21.50
1200 mm	46 000 10 53	25.10
1400 mm	46 000 10 54	28.70



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

Hammer		
Hammer H3 (3kg)	46 000 00 78	3.60



Lacing Head		
Lacing Head MRK MR30	46 000 10 56	3.20

Hammer-Lacing Head. For installing the Fastener series MR30



Head Complete for Electric Hammer (SDS-MAX Take-Up)		
Electric Hammer Head MR30	46 333 02 00	2.90



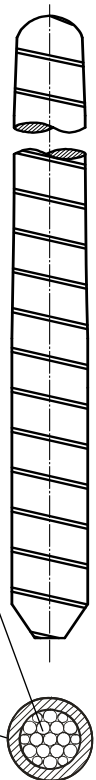
Electric Hammer-Lacing Head. For installing Fasteners MR30. Suitable for all brands with SDS-MAX Take-Up. (Minimum of 12 Joule necessary for installation!)

Punch for Electric Hammer (SDS-MAX Take-Up)		
Punch for Electric Hammer Head MR30	46 333 03 00	0.6



Conneting Pins and Accessories please see pages 12 and 27-29.

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

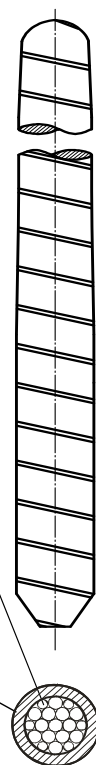
High corrosion resistance

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

Connecting Pins

Plain Ends for Systems E30, H30, H60, MR30

Length	Order No.	kg
Connecting Pins P1E		
Min. Diameter 5.3 mm		
735 mm	42 134 07 35	0.1
785 mm	42 134 07 85	0.1
885 mm	42 134 08 85	0.2
985 mm	42 134 09 85	0.2
1035 mm	42 134 10 35	0.2
1185 mm	42 134 11 85	0.2
1335 mm	42 134 13 35	0.2
1385 mm	42 134 13 85	0.2
1585 mm	42 134 15 85	0.3
Connecting Pins P2E		
Min. Diameter 6.4 mm		
735 mm	42 135 07 35	0.2
785 mm	42 135 07 85	0.2
885 mm	42 135 08 85	0.2
985 mm	42 135 09 85	0.2
1035 mm	42 135 10 35	0.3
1185 mm	42 135 11 85	0.3
1335 mm	42 135 13 35	0.3
1385 mm	42 135 13 85	0.4
1585 mm	42 135 15 85	0.4
Connecting Pins P3E		
Min. Diameter 7.1 mm		
735 mm	42 136 07 35	0.2
785 mm	42 136 07 85	0.2
885 mm	42 136 08 85	0.3
985 mm	42 136 09 85	0.3
1035 mm	42 136 10 35	0.3
1185 mm	42 136 11 85	0.3
1335 mm	42 136 13 35	0.4
1385 mm	42 136 13 85	0.4
1585 mm	42 136 15 85	0.5
Connecting Pins P4E		
Min. Diameter 8.5 mm		
735 mm	42 139 47 35	0.3
785 mm	42 139 47 85	0.3
885 mm	42 139 48 85	0.4
985 mm	42 139 49 85	0.4
1035 mm	42 139 40 35	0.4
1185 mm	42 139 41 85	0.5
1335 mm	42 139 43 35	0.5
1385 mm	42 139 43 85	0.6
1585 mm	42 139 45 85	0.6
Connecting Pins P5E		
Min. Diameter 10.5 mm		
735 mm	42 139 57 35	0.5
785 mm	42 139 57 85	0.6
885 mm	42 139 58 85	0.6
985 mm	42 139 59 85	0.7
1035 mm	42 139 50 35	0.7
1185 mm	42 139 51 85	0.8
1335 mm	42 139 53 35	1.0
1385 mm	42 139 53 85	1.0
1585 mm	42 139 55 85	1.1

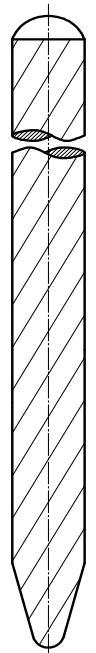


High Tensile
Stainless
Chromium-
Nickel Cable

Special Steel

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

Length	Order No.	kg
Connecting Pins L1		
Min. Diameter 5.3 mm		
735 mm	42 126 07 35	0.1
785 mm	42 126 07 85	0.1
885 mm	42 126 08 85	0.1
985 mm	42 126 09 85	0.1
1035 mm	42 126 10 52	0.1
1185 mm	42 126 11 85	0.2
1335 mm	42 126 13 50	0.2
1385 mm	42 126 13 85	0.2
1585 mm	42 126 15 85	0.2
Connecting Pins L2		
Min. Diameter 5.6 mm		
735 mm	42 125 13 10	0.1
785 mm	42 129 12 01	0.1
885 mm	42 125 09 00	0.1
985 mm	42 125 09 85	0.2
1035 mm	42 125 10 35	0.2
1185 mm	42 125 11 85	0.2
1335 mm	42 125 13 35	0.2
1385 mm	42 125 13 85	0.2
1585 mm	42 125 15 85	0.3
Connecting Pins L3		
Min. Diameter 6.9 mm		
735 mm	42 129 15 86	0.2
785 mm	42 129 07 85	0.2
885 mm	42 129 09 00	0.2
985 mm	42 129 09 85	0.2
1035 mm	42 129 10 52	0.3
1185 mm	42 129 11 85	0.3
1335 mm	42 129 10 53	0.3
1385 mm	42 129 13 85	0.3
1585 mm	42 129 15 85	0.4



High Tensile Galvanised Cable

Good for - trough