

Spare-parts catalog

CMS 520 (Type 628)

Component type 000

E5|E7|E8|E5m.4|E7m.5|E7m.8|E8m.7|E3,5.2|E5.2

Table of contents

1	Introduction	9
1.1	Order form	10
1.2	Search help	11
1.3	Torques	12
2	Carriage drive	13
2.1	Drive	14
2.1.1	Motor and belt drive	15
2.1.2	Tension bearing	16
2.2	Energy chain and plunger	17
3	Racking	19
3.1	Racking drive	20
4	Needle beds	21
4.1	Needle bed E5	22
4.1.1	Continuation needle bed E5	23
4.2	Needle bed E7	24
4.2.1	Continuation needle bed E7	25
4.3	Needle bed E8	26
4.3.1	Continuation needle bed E8	27
4.4	Needle bed E5m.4	28
4.4.1	Continuation needle bed E5m.4	29
4.5	Needle bed E7m.5	30
4.5.1	Continuation needle bed E7m.5	31
4.6	Needle bed E7m.8	32
4.6.1	Continuation needle bed E7m.8	33
4.7	Needle bed E8m.7	34
4.7.1	Continuation needle bed E8m.7	35
4.8	Needle bed E2,5.2	36
4.8.1	Continuation needle bed E3,5.2	37
4.9	Needle bed E5.2	38
4.9.1	Continuation needle bed E5.2	39
4.10	Needle beds, fixing elements	40
4.11	Cover	41
4.12	Left clamping/cutting bed	42
4.13	Clamping/cutting bed on the right	43
5	Carriage	45
5.1	Overview of carriage	46
5.2	Carriage	47

5.3	Carriage cover	48
5.4	Carriage guide	49
5.5	Brush holder	50
5.6	Yarn carrier driving without guiding part	51
5.7	Yarn carrier driving with guiding part	52
5.8	Holding-down jack control	53
5.9	Needle detector	54
5.10	Cam box E5 E3,5.2 E5.2 E5m.4 E7m.5	55
5.10.1	Cams E5 E3,5.2 E5.2 E5m.4 E7m.5	56
5.11	Cam box E7 E8 E7m.8 E8m.7	57
5.11.1	Cams E7 E8 E7m.8 E8m.7	58
6	Main take-down	59
6.1	Main take-down	60
6.1.1	Main take-down on the left	61
6.1.1.1	Swivel-mounted bearing	62
6.1.2	Main take-down on the right	63
6.1.2.1	Mounting plate	64
6.1.2.2	Floating axle	65
6.1.3	Main take-down in the middle	66
6.1.3.1	Stripper angle	67
6.1.3.2	Rear take-down roller	68
6.1.3.3	Front take-down roller	69
6.1.3.3.1	Front roller elements	70
6.1.3.3.2	Pressure angle rail	71
7	Auxiliary take-down	73
7.1	Auxiliary take-down pre-assembled	74
7.1.1	Right bearing of the auxiliary take-down	75
7.1.2	Left bearing of the auxiliary take-down	76
7.1.3	Angular sheet metal on the left and right complete	77
7.2	Take-down in the middle	78
7.3	Motor	79
7.4	Yarn brake at clamping/cutting bed	80
8	Comb take-down	81
8.1	Comb take-down	82
8.2	Comb take-down on the left	83
8.3	Comb take-down on the right	84
8.3.1	Drive shaft of comb	85
8.3.2	Swivel lever comb take-down	86
8.4	Comb take-down in the middle	87
8.4.1	Comb unit	88
8.4.2	Switch lever comb take-down	89

9	Yarn delivery device	91
9.1	Yarn guide system with 14 and 16 FKE	92
9.2	Yarn control unit	93
9.3	Left yarn guide	94
9.3.1	Left yarn tensioner	95
9.3.2	Yarn brake and yarn deflector	96
9.3.3	Left tension axle	97
9.4	Right yarn guide	98
9.4.1	Right yarn tensioner	99
9.4.2	Right tension axle	100
9.5	Bobbin board	101
9.6	Yarn carrier and guide rails	102
9.7	Complete yarn carriers	103
9.8	Left friction feed wheel	104
9.9	Right friction feed wheel	105
10	Fluff absorption	107
10.1	Fluff absorption	108
10.1.1	Lint container	109
10.1.2	Hose set	110
10.1.3	Suction tube	111
11	Operation and control	113
11.1	Input unit	114
11.2	Starting unit	115
11.2.1	Bearing of the engaging rod	116
11.3	Collecting area - control	117
11.4	Signal light	118
11.5	Shock stop motion	119
11.6	Measuring device	120
12	Protective units	121
12.1	Lateral safety covers	122
12.2	Panelling	123
12.3	Rear panel	124
13	Electrical equipment	125
13.1	Circuit diagram (222) as PDF	126
13.2	Fuses	127
13.3	Trailing cable E5-2	128
13.4	Trailing cable E5-8	129

13.5	Cable set installation	130
13.5.1	Loom of cables base 1	131
13.5.2	Loom of cables base 2	132
13.5.3	Loom of cables comb	133
13.5.4	Loom of cables 5XX	134
14	Control electronics	135
14.1	Control cabinet	136
15	Deliverable accessories	137
15.1	Tool	138
15.2	Lubricating stuff	139
15.3	Mechanical parts	140
16	Special attachments	141
16.1	Complete intarsia yarn carriers type 2	142
16.2	Carriage of plating yarn carrier	143
16.3	Carriage of plating yarn carrier (adjustable)	144
16.4	Plating yarn carrier 3+6	145
16.5	Plating yarn carrier 4+5	146
16.6	Yarn length measuring device	147
16.7	Feed wheel SFE	148
16.8	Bobbin holder on the left	149
16.9	Bobbin holder on the right	150
16.10	Additional bobbin board	151
17	Conversion kit with 24 and 32 IFF Type 2	153
17.1	Additional board (top, bottom)	154
17.2	Overview of conversion kit E5 E3,5.2 E 5.2	155
17.3	Overview of conversion kit E7 E8	156
17.4	Magnet support	157
17.5	Parts for the left safety cover	158
17.5.1	Yarn tensioner on the left	159
17.5.2	Yarn brake	160
17.5.3	Tension axle	161
17.6	Parts for the right safety cover	162
17.6.1	Yarn tensioner on the right	163
17.7	Parts for the yarn guide system	164
17.8	Friction feed wheel on the left and on the right co.	165
17.8.1	Friction feed wheel on the left	166
17.8.2	Friction feed wheel on the right	167
17.9	Thread deflector on the left	168
17.10	Yarn deflector on the right	169

17.11 Deflector on the left	170
17.12 Deflector on the right	171
17.13 Left clamping/cutting bed	172
17.14 Clamping/cutting bed on the right	173
17.15 Yarn brake on the left and right	174
17.16 Yarn guide complete IFF Type 2 E5 E3.5.2 E5.2	175
17.17 Yarn guide complete IFF Type 2 E7 E8	176

1 Introduction

Imprint

All rights reserved.

The utilisation of texts and pictures, also in extracts, without our agreement is unfavourable to the copyright.

Our products are being developed further continuously. They are therefore subject to technical modifications.

The indications of this catalog are without liability.

©

H. Stoll GmbH & Co.KG

Stollweg 1

D-72760 Reutlingen, Germany

Phone +49 (07121) 313-289

Fax: +49 7121 313-347

e-mail: spareparts@stoll.com

Notes for the order

This catalog serves to order spare parts.

It can only be applied to the machine type recorded on the title page.

When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

1. Type of machine, gauge, no. of machine.
2. Page no., designation, ID, quantity.

Please use the order form!

Only genuine STOLL spare parts may be used for repairs.

1.1 Order form

Order form
Telefon +49 (7121) 313-289
Telefax +49 (7121) 313-347
e-mail: spareparts@stoll.com

H. Stoll GmbH & Co. KG
PO box 2544

D-72715 Reutlingen

Order number: _____

Receipt date: _____

Company: _____

Name: _____

Street: _____

Postal code/town: _____

Phone: _____

Fax: _____

Customer no.: _____

Shipping mode: _____

Date of order: _____

Machine type: _____

Usage: _____

Machine no.: _____

Seri. no.: _____

Spare parts order

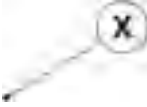
Page no.	Description	Ident. no.	Freight no.	Comment

Date: _____

Signature: _____

1.2 Search help

In order to make the search of the spare parts easier, the following elements will be used in the spare parts catalog:

Symbol	Meaning
Σ	Indicates an assembly
	Position indicator with the position number (X).
	Indicates an element of another assembly.
	Indicates an assembly which is represented more detailed beside.
	Indicates an assembly which is represented on another page more detailed.
	Screw torques (z) deviating from the preferential row.
	Detail, represented enlarged in the direction of the arrow.
	Explosion representation, single elements enlarged.
	Indicates a group of parts.
	Indicates the left-hand side or view.
	Indicates the right-hand side or view.
	Indicates a section or a view in the viewing direction.

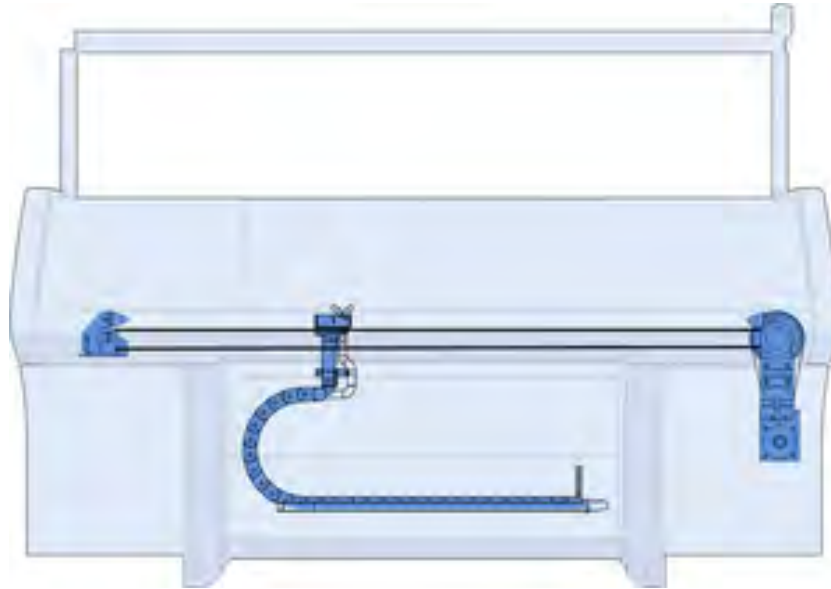
1.3 Torques

Drehmomente Torques Couples Coppias Momentos de rotación [Nm] ± 10 % (für $\mu_{\text{ges}} = 0,12$)		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clases de resistencia		
		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filetto regolatore Filete regulador	M3	0,6	1,2	2,5
	M4	1,2	2,5	5
	M5	2,5	5	9
	M6	5	9	18
	M8		18	40
	M10		40	
	M12		80	

Preferential row of screw torques

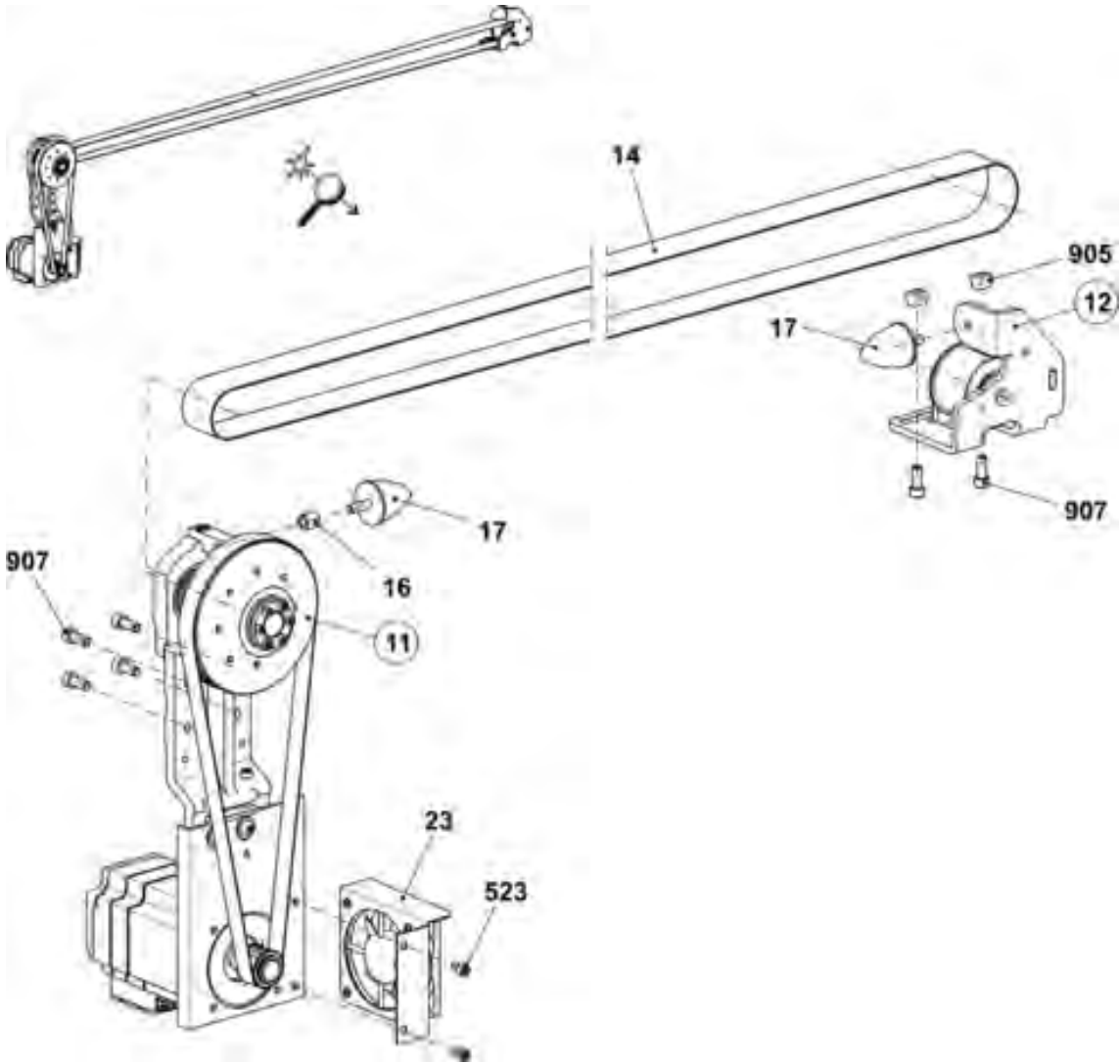
- Torques are valid for:
Connection steel-steel, black, phosphatized, galvanized, rolled or cut thread as well as only for plain (head) supports.
- Torques are valid for:
protected screws with: lock washers, rib heads, coated and clamping screws and nuts. They are also not used for self-grooving threads.
- Torques differing from this preferential row of torques must be taken from the corresponding location in the drawings.

2 Carriage drive



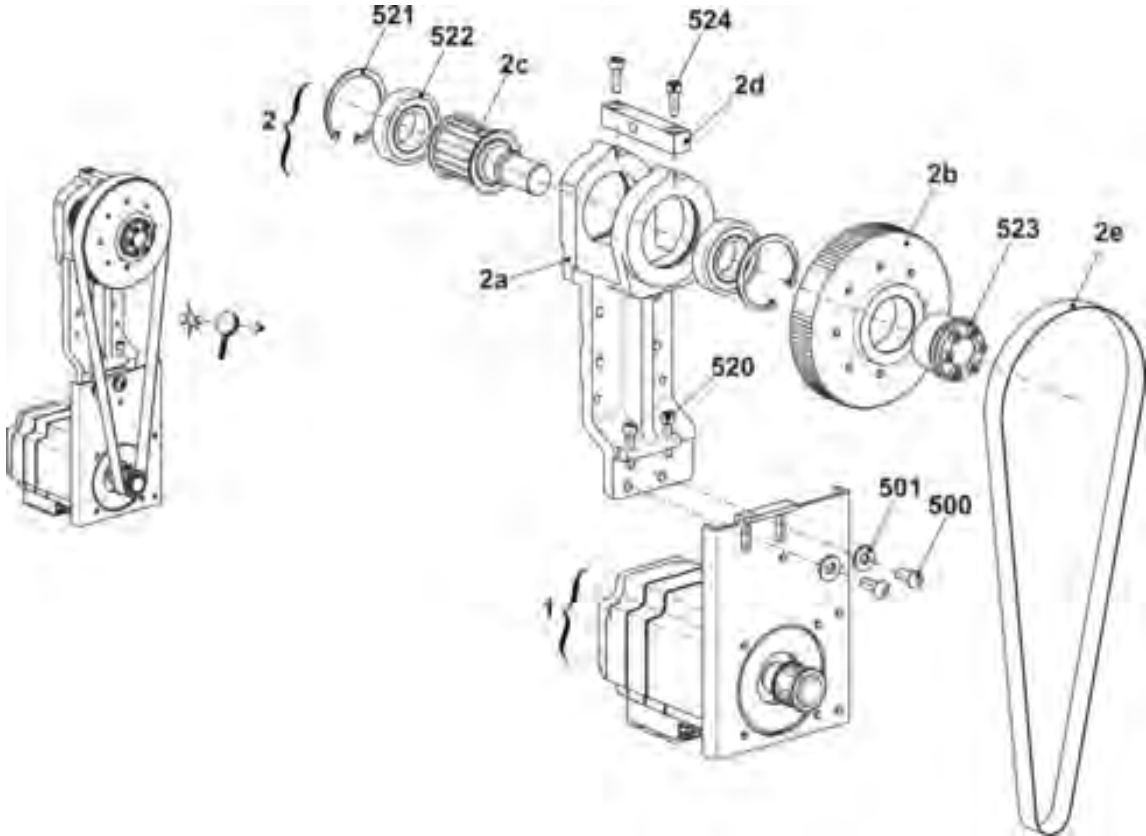
2.1 Drive

Pos	Designation	Id		Pos	Designation	Id
Σ	Drive unit			17	Parabolic spring	200 661
11	Drive unit complete	253 877		23	Ventilator complete	253 692
12	Tension bearing complete	251 581		523	Cap screwM8x12	023 138
14	Toothed belt50AT10/4670	253 890		905	NutM10x12	023 471
16	Distance pipe	222 099		907	Cap screwM10x25	020 157



2.1.1 Motor and belt drive

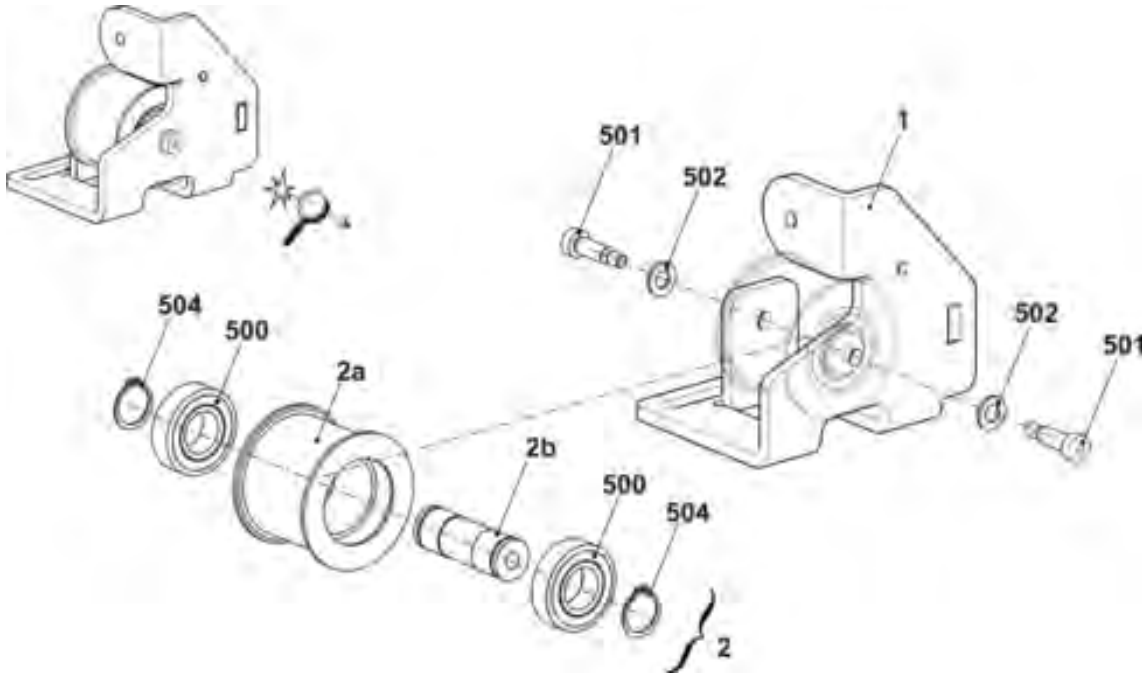
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive unit complete	253 877				
1	Drive unit	258 188		2d	Support of buffer	222 100
500	Countersunk screwM10X25	023 684		2e	Toothed belt	252 594
501	Disk10,5X25X2,5	022 178		520	Cap screwM8X35	020 144
2	Drive bearing complete	255 005		521	Locking ring68x2.5	022 914
	2a	Drive bearing		522	Grooved ball bearing 6207-2RS	022 915
	2b	Toothed belt pulley		523	Tension set 30X55	023 208
	2c	Pinion57 AT10 18		524	Cap screwM8X25 12.9	020 142
		242 039				



2.1 Drive

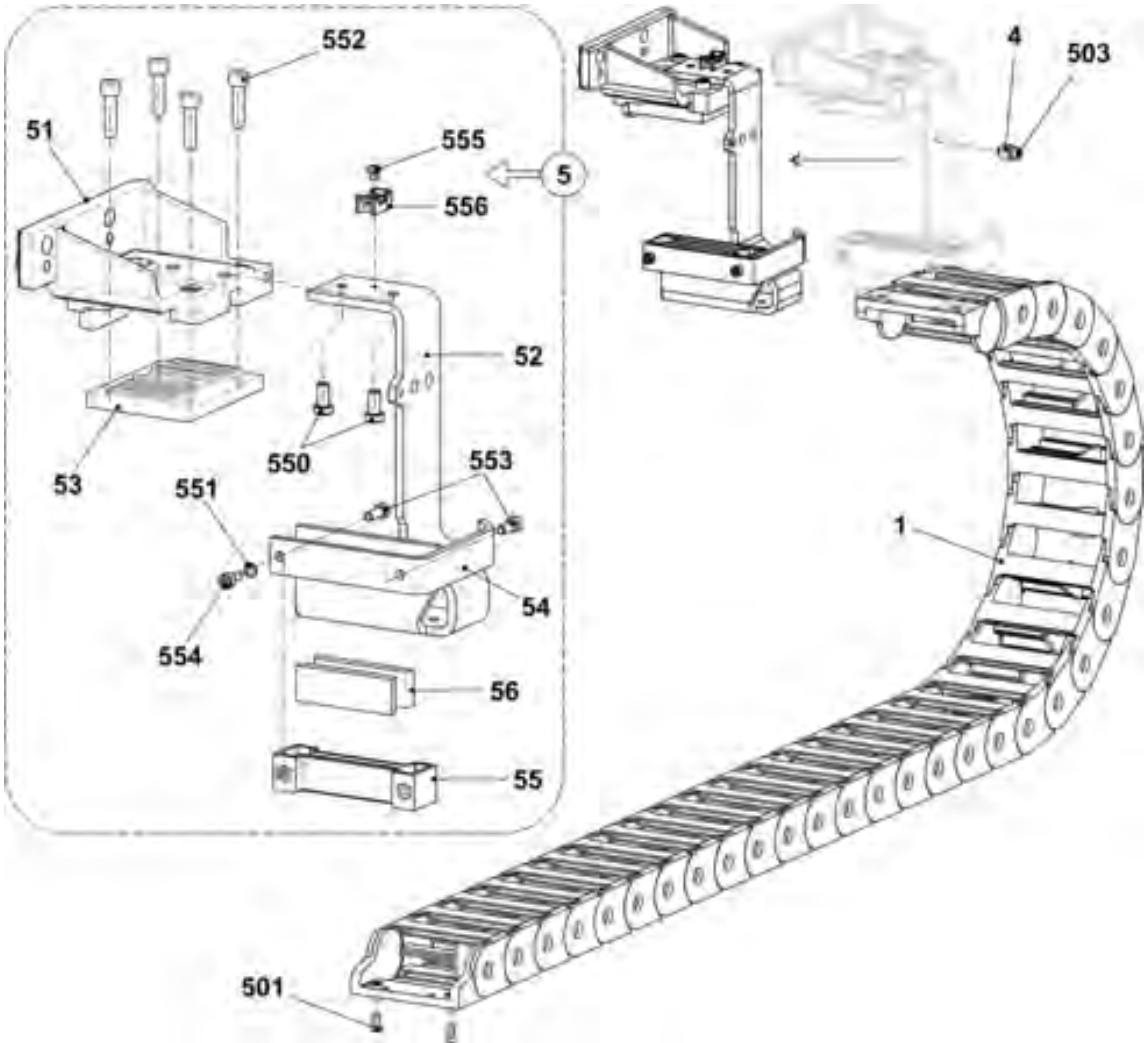
2.1.2 Tension bearing

Pos	Designation		Id		Pos	Designation		Id
Σ	Tension bearing complete		251 581					
1	Tension bearing		251 560			500	Grooved ball bearing625-6305-2RS	255 686
2	Tension roller complete		256 640			504	Locking ring 471-25x1,2	
	2a	Tension roller	255 684		501	Cap screwM10x25		023 751
	2b	Axle	251 579		502	U-washer		020 874



2.2 Energy chain and plunger

Pos	Designation	Id	Pos	Designation	Id
1	Energy chain 30 links	241 555	5	Continuation carriage driver complete	
4	Threaded spacer	214 584	56	Cellular caoutchouc black	202 597
501	Cap screw M6X8	023 411	550	Cap screw M6x16	023 144
503	Cap screw M6x16	020 135	551	Circlip	022 752
5	Carriage driver complete	242 398	552	Cap screw M8x30	020 143
51	Carriage driver	242 255	553	Cap screw M6x16	020 135
52	Cable driver	251 262	554	Cap screw M6X12	020 134
53	Clamping plate	226 111	555	Countersunk screw M5x6	023 284
54	Cover strip	230 698	556	Fixing element	026 489
55	Cable holder	204 688			



2.2 Energy chain and plunger

Notes:

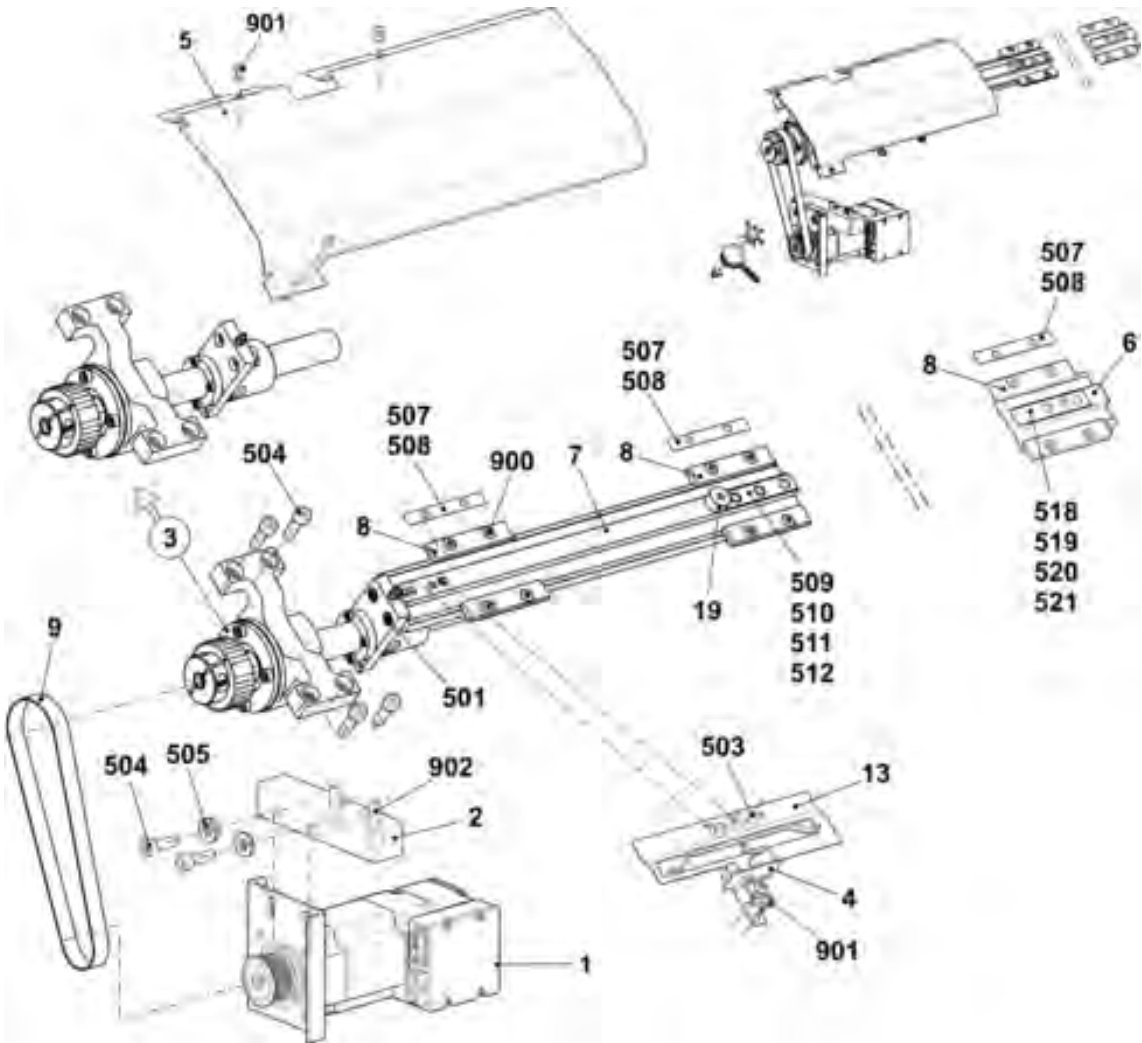
3 Racking



3.1 Racking drive

3.1 Racking drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Racking				
1	Three-phase A.C. servo motor racking complete	258 192	505	U-washer8,4X20X3	022 175
2	Bearing	227 605	507	Shim 0,03x11x80	023 286
3	Spindle bearing	253 262	508	Shim 0,05x11x80	023 287
4	Card racking limit switch	229 396	509	Shim 0,03x15x85	023 162
5	Racking cover plate	240 721	510	Shim 0,05x15x85	023 163
6	Racking strip on the left	240 696	511	Shim 0,1x15x85	023 164
7	Racking strip	240 690	512	Shim0,2x15x85	023 170
8	Guide strip	206 382	518	Shim 0,03x15x75	023 395
9	Toothed belt150 S 5M 490	229 281	519	Shim 0,05x15x75	023 396
13	Switch plate	240 722	520	Shim 0,1x15x75	023 397
19	Stop screw	221 386	521	Shim 0,2x15x75	023 398
501	Cap screwM6x16	023 116	900	Cap screwM6x12	022 795
503	Countersunk screwM6x10	023 183	901	Countersunk screwM6x10	023 183
504	Cap screwM8x25	020 142	902	Cap screwM8x30	020 143



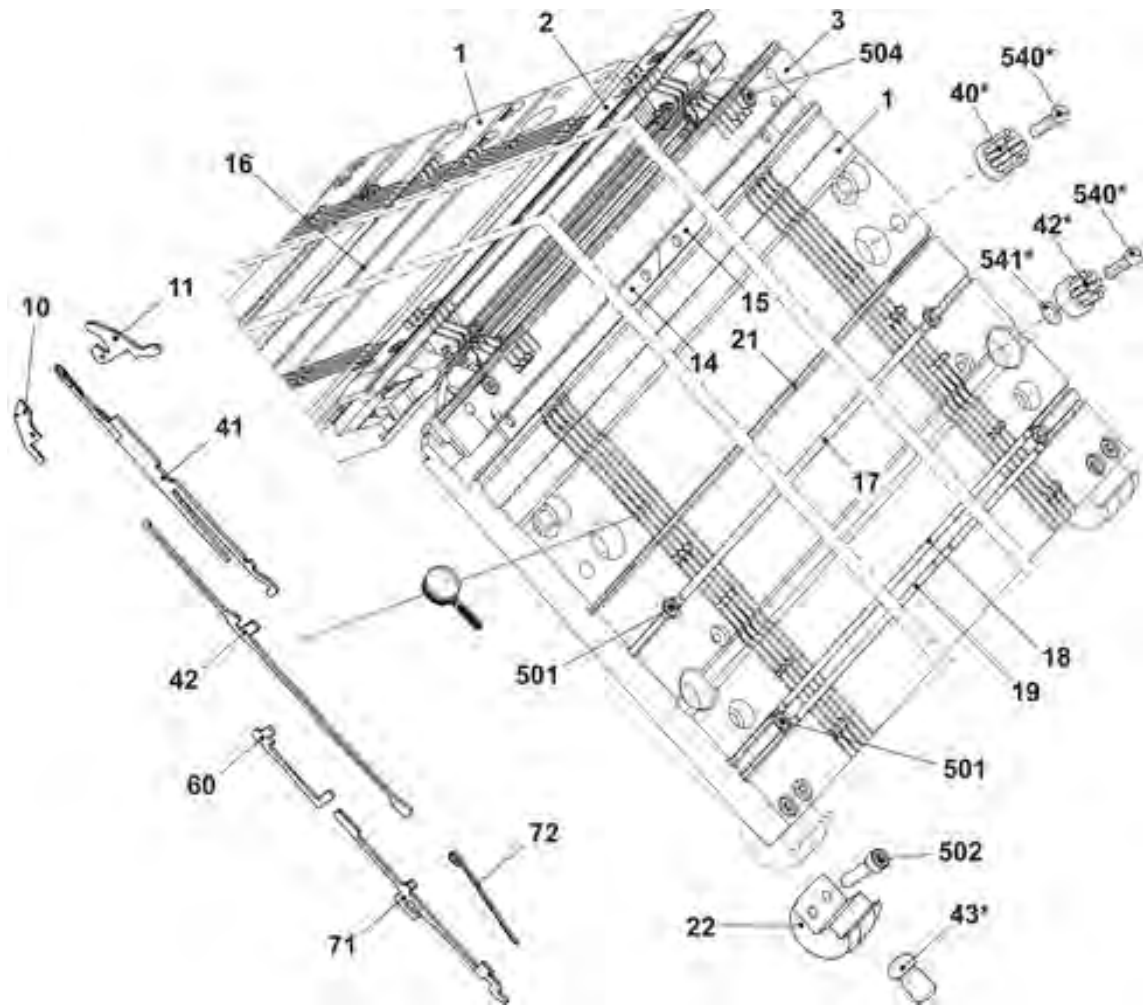
4 Needle beds



4.1 Needle bed E5

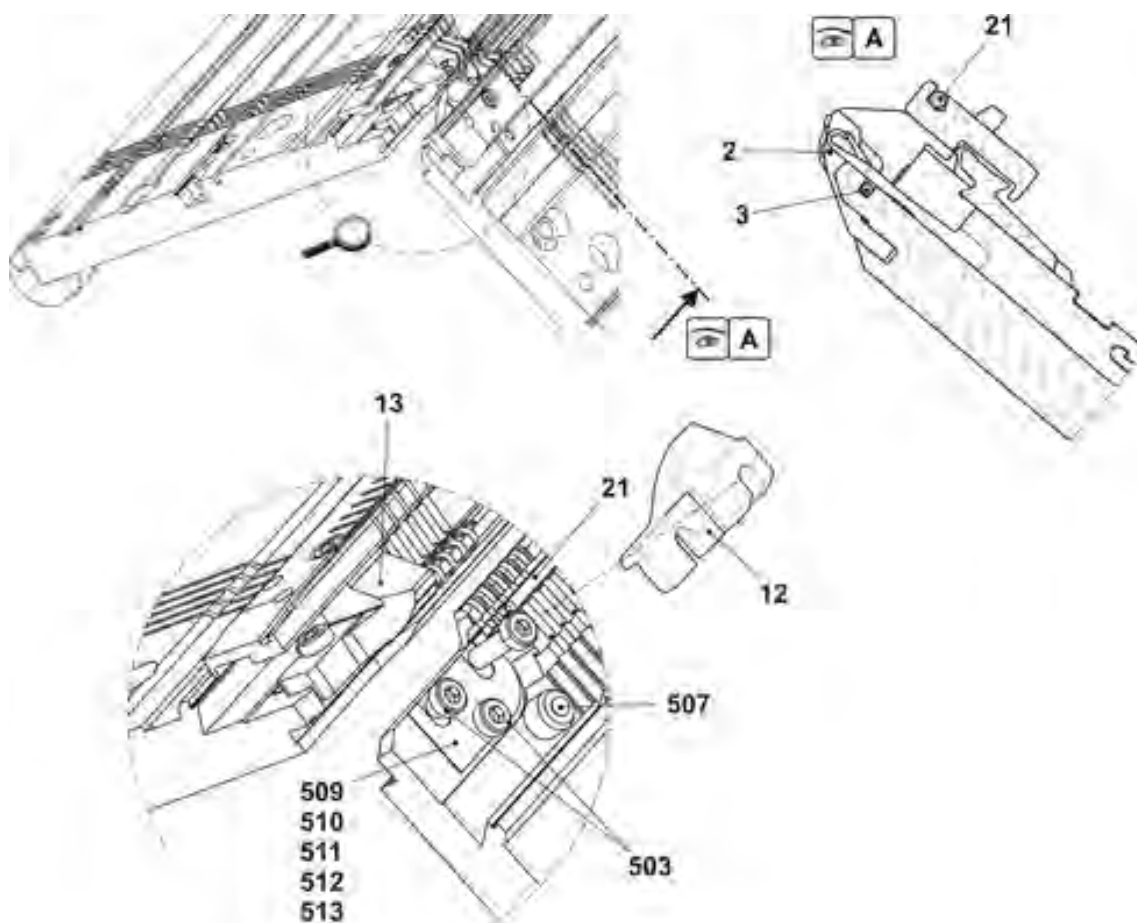
4.1 Needle bed E5

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5	241 492		17	Cover rail at the front E5	214 033
1	Needle bed at the front + rear E5	240 378		18	Cover rail	213 762
2	Holding-down jack bed at the rear E5	240 444		19	Cover rail	213 763
3	Holding-down jack bed at the front E5	240 427		21	Locating wire D=2,8 1290mm	213 983
41	Needle E5 - E6 with round hook	205 396		22	Support	241 339
42	Coupling part E4 - E8	200 682		501	Cap screw M5X10	022 918
60	Intermediate slider E5 – E8	237 323		502	Cap screw M6X25	020 137
71	Selection jack E4 - E8	200 687		504	Cap screw M5X22	023 193
72	Selector spring E4 – E8	200 690		40*	Disk brush	235 612
10	Knock-over bit E5	204 996		42*	Disk brush	202 600
11	Holding-down jack E5	205 031		43*	Adjusting bolt	240 765
14	Needle bar on the left	213 998		540*	Cap screw M5x12	020 032
15	Needle bar on the right	213 999		541*	Adjusting washer P6x0,3	023 540
16	Cover rail at the rear	213 981				



4.1.1 Continuation needle bed E5

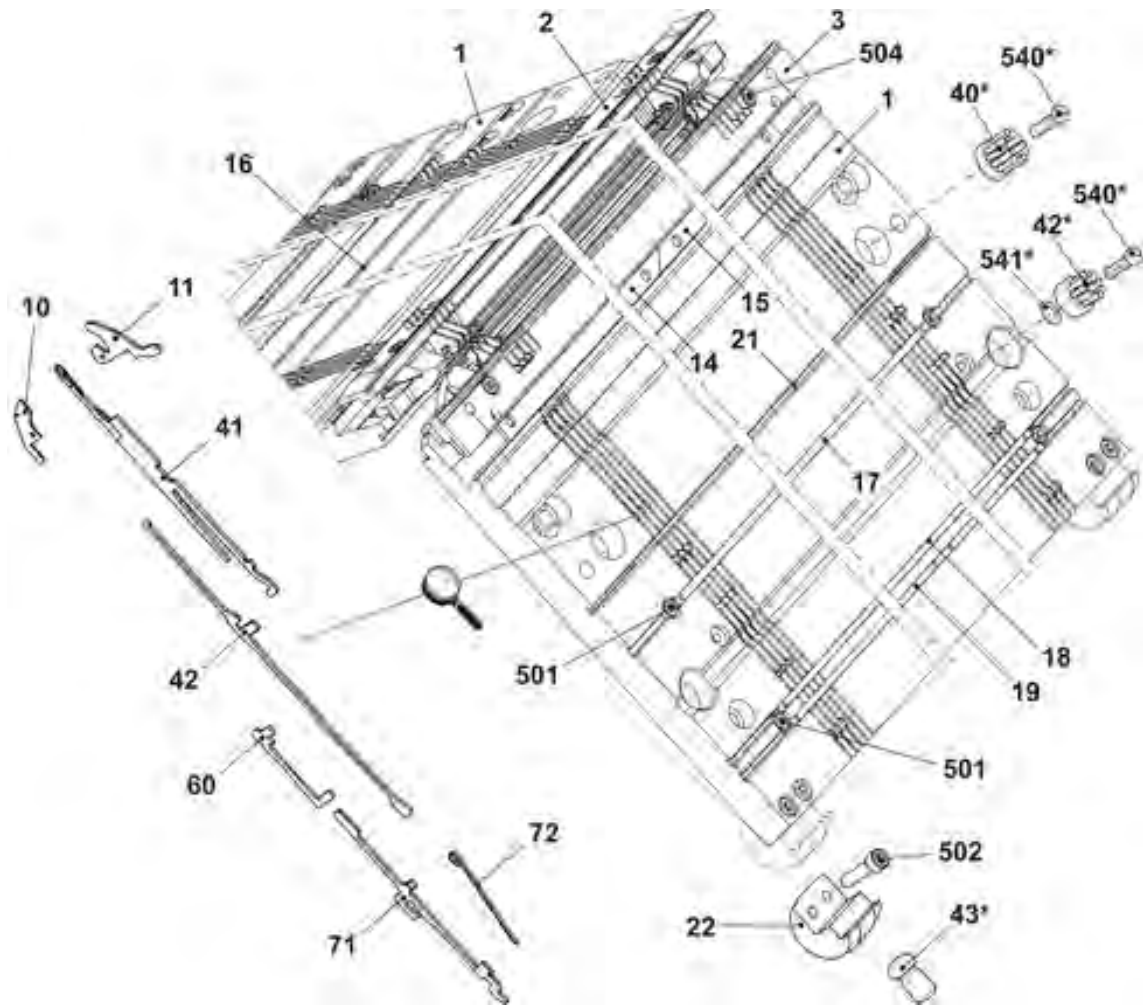
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire ø1.0	213 988		507	Sprung pressure peace	023 177
3	Spring steel wire ø 2.0	213 996		509	Shim 0.02x18.5x34	023 194
12	Spring steel wire Ø2.0	205 343		510	Shim 0.03x18.5x34	023 195
13	Limiter on the left E4-E8	205 344		511	Shim 0.05x18.5x34	023 196
21	Limiter on the right E4-8	213 983		512	Shim 0.1x18.5x34	023 197
503	Locating wire ø2.8	023 154		513	Shim 0.2x18.5x34	023 253



4.2 Needle bed E7

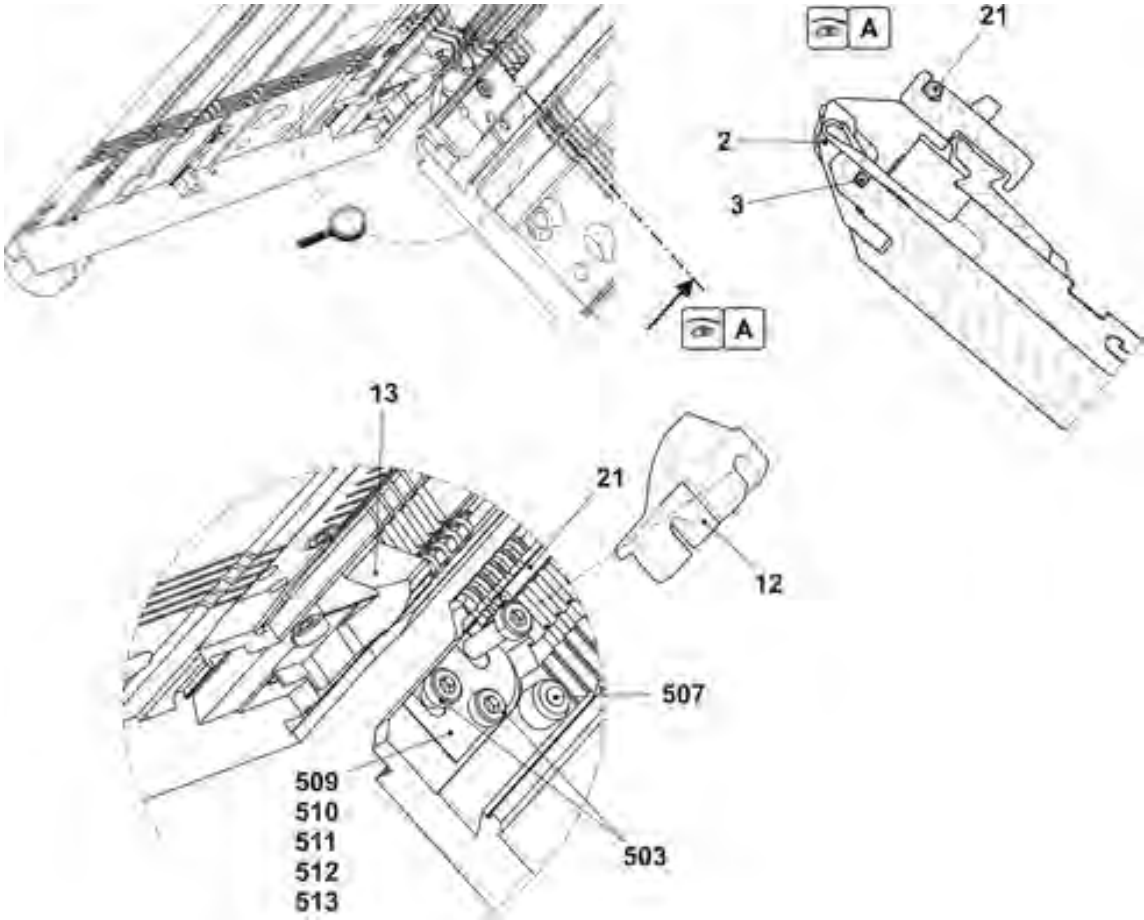
4.2 Needle bed E7

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7	241 493		17	Cover rail at the front E7	214 034
1	Needle bed at the front + rear E7	240 379		18	Cover rail	213 762
2	Holding-down jack bed at the rear E7	240 445		19	Cover rail	213 763
3	Holding-down jack bed at the front E7	240 428		21	Locating wire D=2,8 1290mm	213 983
41	Needle E7 with round hook	205 397		22	Support	241 339
42	Coupling part E4 - E8	200 682		501	Cap screw M5X10	022 918
60	Intermediate slider E5 – E8	237 323		502	Cap screw M6X25	020 137
71	Selection jack E4 - E8	200 687		504	Cap screw M5X22	023 193
72	Selector spring E4 – E8	200 690		40*	Disk brush	235 612
10	Knock-over bit E7	207 055		42*	Disk brush	202 600
11	Holding-down jack E7	205 032		43*	Adjusting bolt	240 765
14	Needle bar on the left	213 998		540*	Cap screw M5x12	020 032
15	Needle bar on the right	213 999		541*	Adjusting washer P6x0,3	023 540
16	Cover rail at the rear	213 981				



4.2.1 Continuation needle bed E7

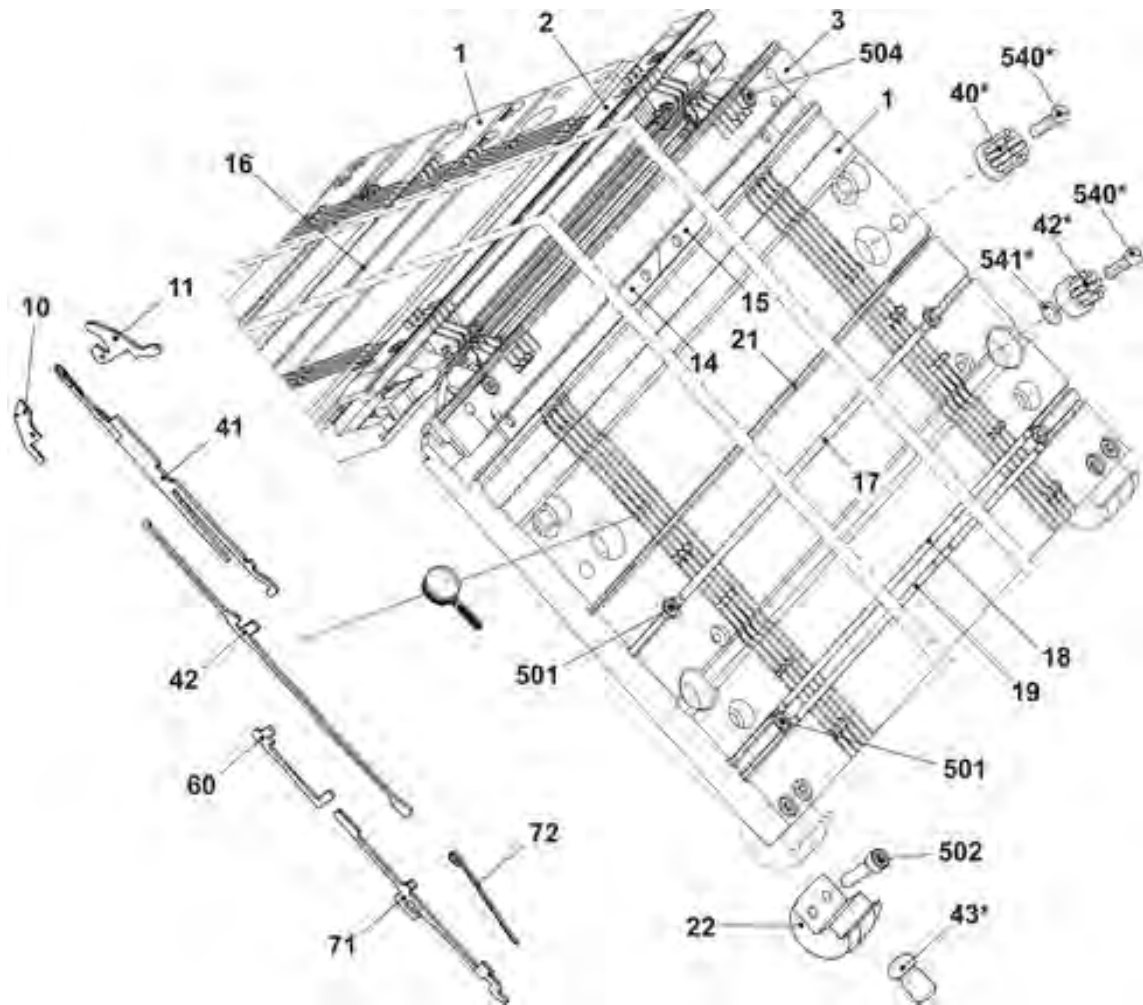
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire ø0.8	213 989		507	Sprung pressure peace	023 177
3	Spring steel wire Ø2.0	213 996		509	Shim 0.02x18.5x34	023 194
12	Limiter on the left E4-E8	205 343		510	Shim 0.03x18.5x34	023 195
13	Limiter on the right E4-8	205 344		511	Shim 0.05x18.5x34	023 196
21	Locating wire ø2.8	213 983		512	Shim 0.1x18.5x34	023 197
503	Cap screw M5x8	023 154		513	Shim 0.2x18.5x34	023 253



4.3 Needle bed E8

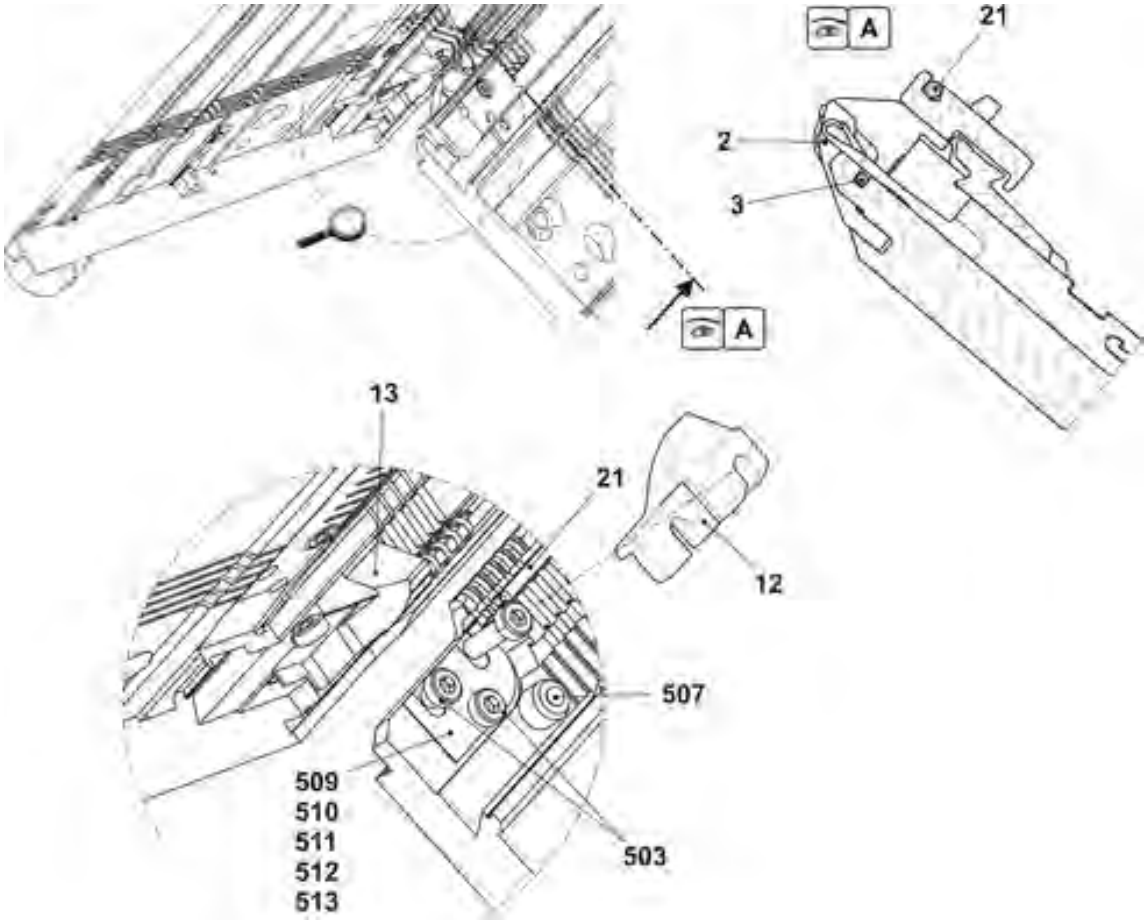
4.3 Needle bed E8

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E8	241 494		17	Cover rail at the front E8	214 035
1	Needle bed at the front + rear E8	240 380		18	Cover rail	213 762
2	Holding-down jack bed at the rear E8	240 446		19	Cover rail	213 763
3	Holding-down jack bed at the front E8	240 429		21	Locating wire D=2,8 1290mm	213 983
41	Needle E8 with round hook	208 745		22	Support	241 339
42	Coupling part E4 - E8	200 682		501	Cap screw M5X10	022 918
60	Intermediate slider E5 – E8	237 323		502	Cap screw M6X25	020 137
71	Selection jack E4 - E8	200 687		504	Cap screw M5X22	023 193
72	Selector spring E4 – E8	200 690		40*	Disk brush	235 612
10	Knock-over bit E8	207 054		42*	Disk brush	202 600
11	Holding-down jack E8	205 028		43*	Adjusting bolt	240 765
14	Needle bar on the left	213 998		540*	Cap screw M5x12	020 032
15	Needle bar on the right	213 999		541*	Adjusting washer P6x0,3	023 540
16	Cover rail at the rear	213 981				



4.3.1 Continuation needle bed E8

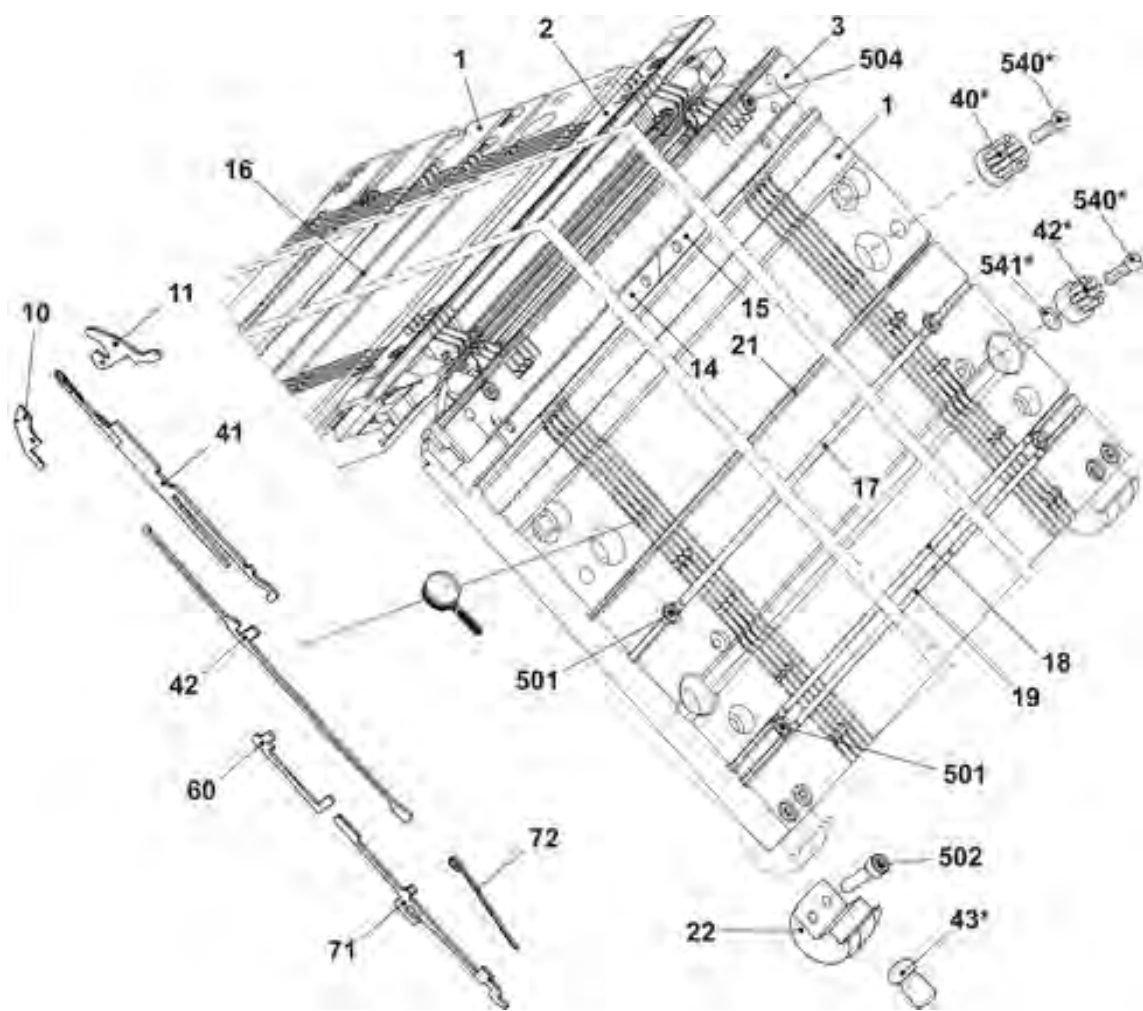
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire ø0.8	213 989		507	Sprung pressure peace	023 177
3	Spring steel wire Ø2.0	213 996		509	Shim 0.02x18.5x34	023 194
12	Limiter on the left E4-E8	205 343		510	Shim 0.03x18.5x34	023 195
13	Limiter on the right E4-8	205 344		511	Shim 0.05x18.5x34	023 196
21	Locating wire ø2.8	213 983		512	Shim 0.1x18.5x34	023 197
503	Cap screw M5x8	023 154		513	Shim 0.2x18.5x34	023 253



4.4 Needle bed E5m.4

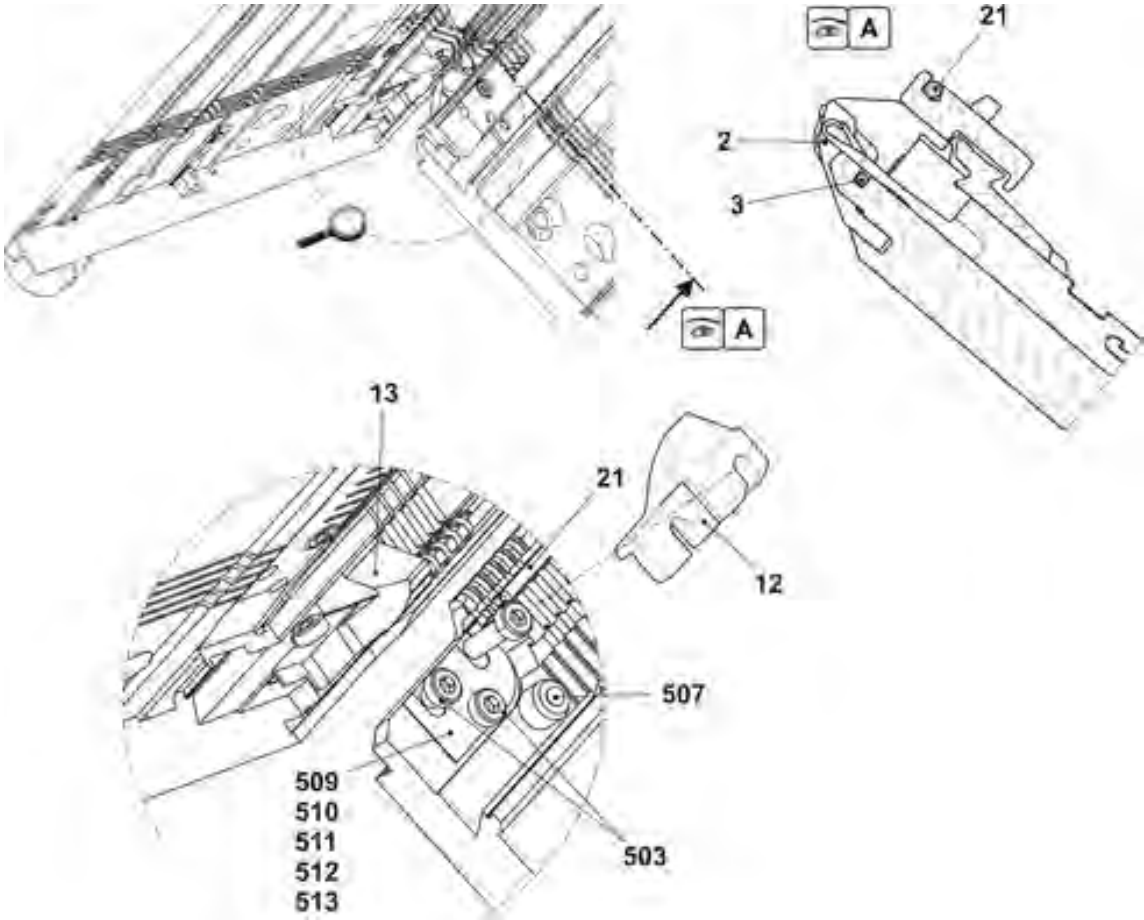
4.4 Needle bed E5m.4

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5m.4	241 501		17	Cover rail at the front E5	214 033
1	Needle bed at the front and rear E5	240 378		18	Cover rail	213 762
2	Holding-down jack bed at the rear E5	240 444		19	Cover rail	213 763
3	Holding-down jack bed at the front E5	240 427		21	Fixierdraht D=2,8 1290mm	213 983
41	Needle E2,5.2 - E3,5.2	232 581		22	Support	241 339
42	Coupling part E4-8	200 682		501	Cap screw M5x10	022 918
60	Intermediate slider E5 – E8	237 323		502	Cap screw M6x25	020 137
71	Selection jack E4 - E8	200 687		504	Cap screw M5x22	023 193
72	Selector spring E4 – E8	200 690		40*	Disk brush	235 612
10	Knock-over bit E5	204 996		42*	Disk brush	202 600
11	Holding-down jack E5	205 031		43*	Adjusting bolt	240 765
14	Needle rail on the left	213 998		540*	Cap screw M5x12	020 032
15	Needle rail on the right	213 999		541*	Pass-Scheibe P6x0,3	023 540
16	Cover rail at the rear	213 981				



4.4.1 Continuation needle bed E5m.4

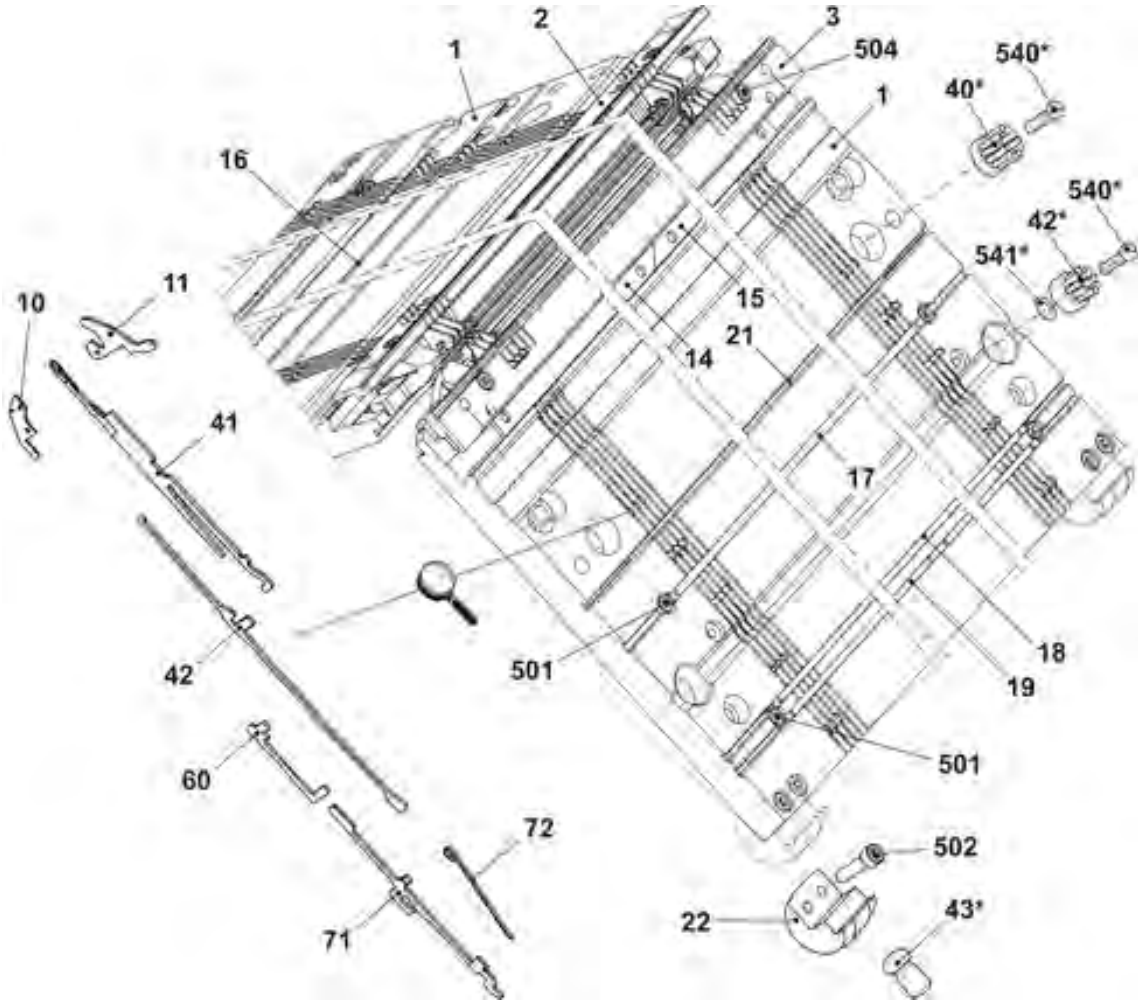
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire ø1.0	213 988		507	Sprung pressure peace	023 177
3	Spring steel wire Ø2.0	213 996		509	Shim 0.02x18.5x34	023 194
12	Limiter on the left E4 – E8	205 343		510	Shim 0.03x18.5x34	023 195
13	Limiter on the right E4 - E8	205 344		511	Shim 0.05x18.5x34	023 196
21	Locating wire ø2.8	213 983		512	Shim 0.1x18.5x34	023 197
503	Cap screw M5x8	023 154		513	Shim 0.2x18.5x34	023 253



4.5 Needle bed E7m.5

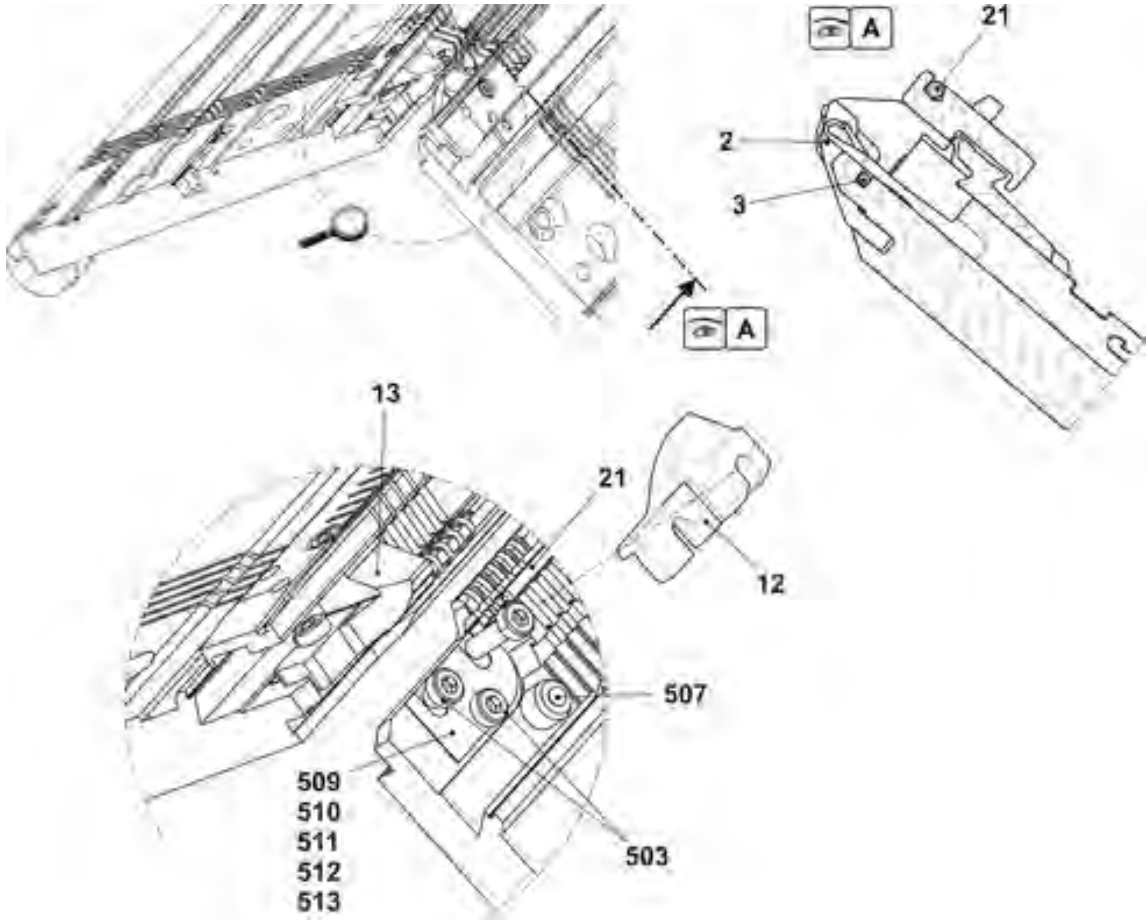
4.5 Needle bed E7m.5

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7m.5	241 502		16	Cover rail at the rear	213 981
1	Needle bed at the front + rear E7	240 379		17	Cover rail at the front E7	214 034
2	Holding-down jack bed at the rear E7	240 445		18	Cover rail	213 762
3	Holding-down jack bed at the front E7	240 428		19	Cover rail	213 763
41	Needle E5 - E6 with round hook	205 396		21	Locating wire D=2,8 1290mm	213 983
42	Coupling part E4 - E8	200 682		22	Support	241 339
60	Intermediate slider E5 – E8	237 323		501	Cap screw M5X10	022 918
71	Selection jack E4 - E8	200 687		502	Cap screw M6X25	020 137
72	Selector spring E4 – E8	200 690		504	Cap screw M5X22	023 193
10	Knock-over bit E7	207 055		40*	Disk brush	235 612
11	Holding-down jack E7	205 032		42*	Disk brush	202 600
14	Needle bar on the left	213 998		43*	Adjusting bolt	240 765
15	Needle bar on the right	213 999		540*	Cap screw M5x12	020 032
				541*	Adjusting washer P6x0,3	023 540



4.5.1 Continuation needle bed E7m.5

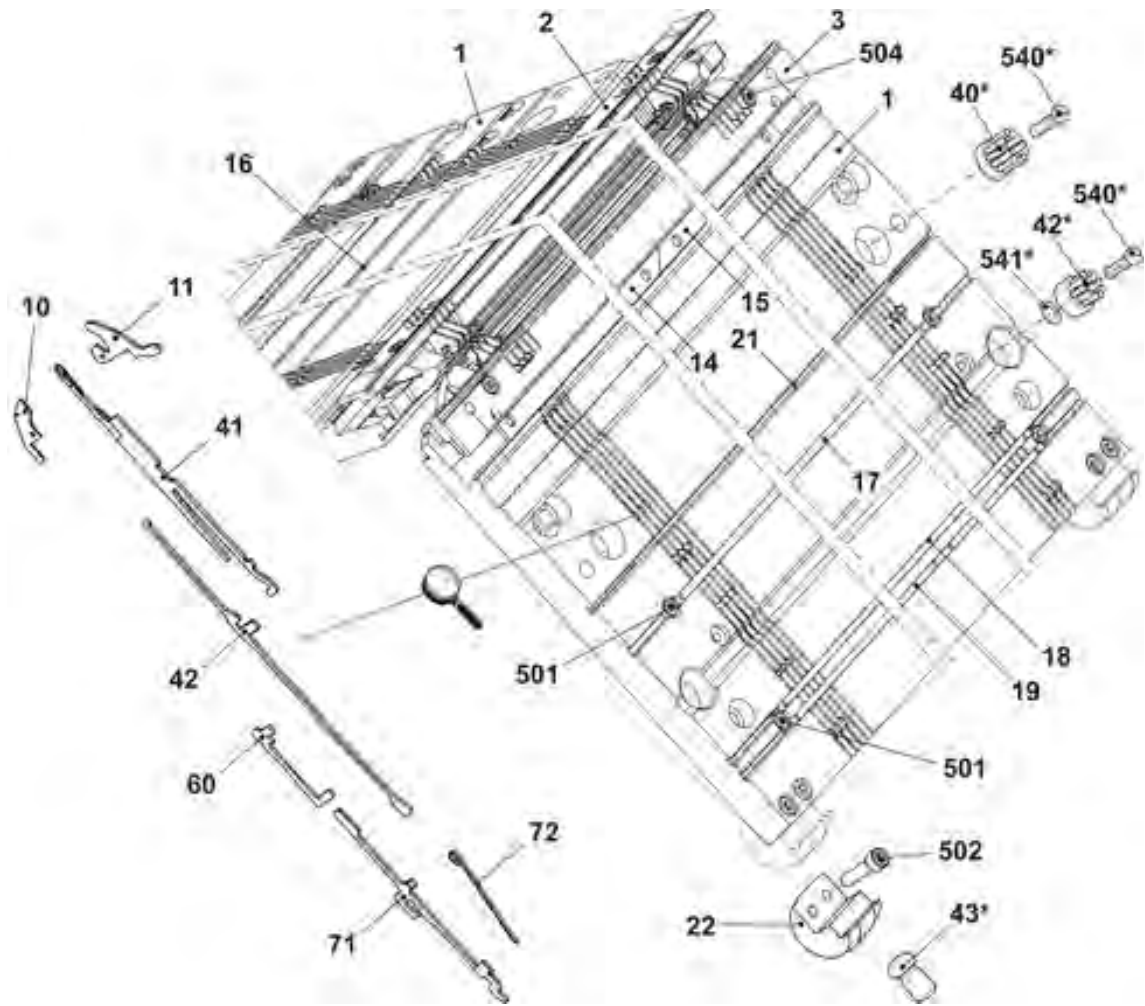
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire ø0.8	213 989		507	Sprung pressure peace	023 177
3	Spring steel wire Ø2.0	213 996		509	Shim 0.02x18.5x34	023 194
12	Limiter on the left E4-E8	205 343		510	Shim 0.03x18.5x34	023 195
13	Limiter on the right E4-8	205 344		511	Shim 0.05x18.5x34	023 196
21	Locating wire ø2.8	213 983		512	Shim 0.1x18.5x34	023 197
503	Cap screw M5x8	023 154		513	Shim 0.2x18.5x34	023 253



4.6 Needle bed E7m.8

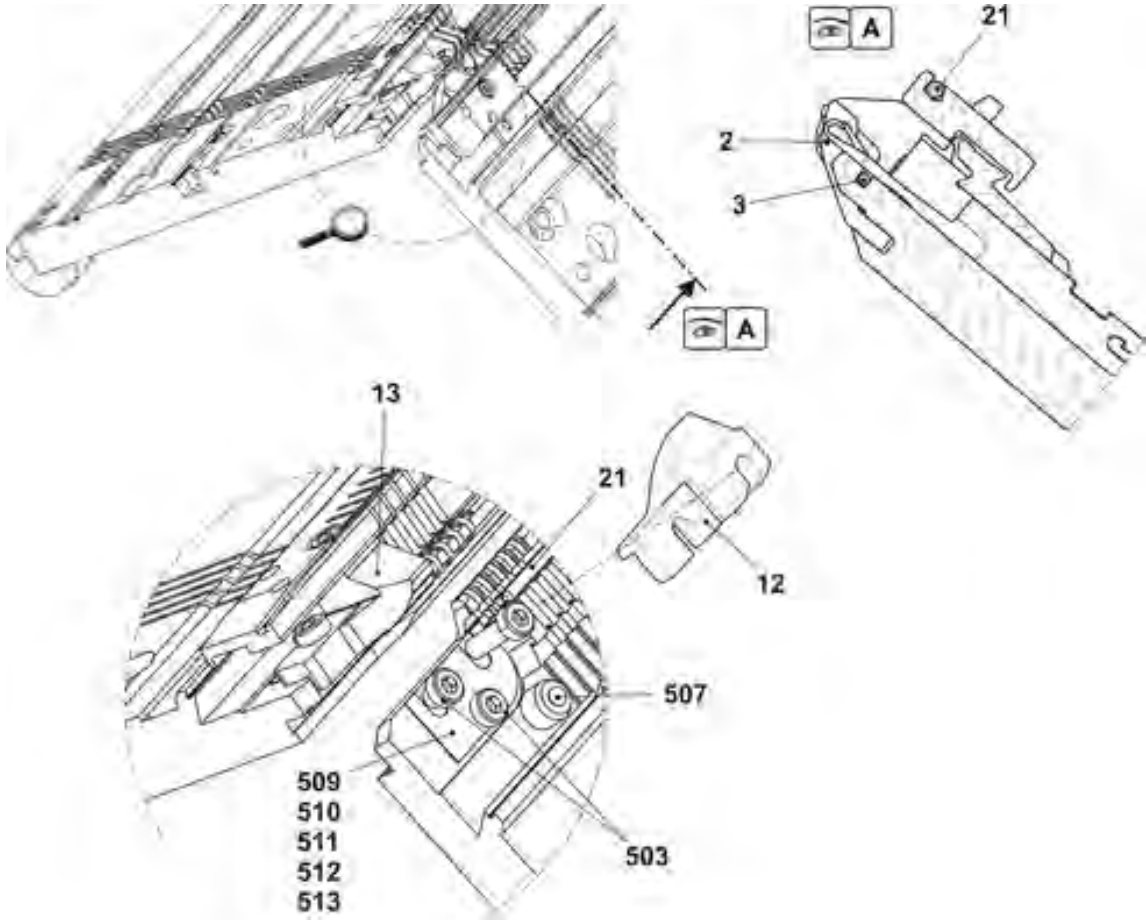
4.6 Needle bed E7m.8

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7m.8	241 503				
1	Needle bed at the front + rear E7	240 379		17	Cover rail at the front E7	214 034
2	Holding-down jack bed at the rear E7	240 445		18	Cover rail	213 762
3	Holding-down jack bed at the front E7	240 428		19	Cover rail	213 763
41	Needle E8 with round hook	208 745		21	Locating wire D=2,8 1290mm	213 983
42	Coupling part E4 - E8	200 682		22	Support	241 339
60	Intermediate slider E5 – E8	237 323		501	Cap screw M5X10	022 918
71	Selection jack E4 - E8	200 687		502	Cap screw M6X25	020 137
72	Selector spring E4 – E8	200 690		504	Cap screw M5X22	023 193
10	Knock-over bit E7	207 055		40*	Disk brush	235 612
11	Holding-down jack E7	205 032		42*	Disk brush	202 600
14	Needle bar on the left	213 998		43*	Adjusting bolt	240 765
15	Needle bar on the right	213 999		540*	Cap screw M5x12	020 032
16	Cover rail at the rear	213 981		541*	Adjusting washer P6x0,3	023 540



4.6.1 Continuation needle bed E7m.8

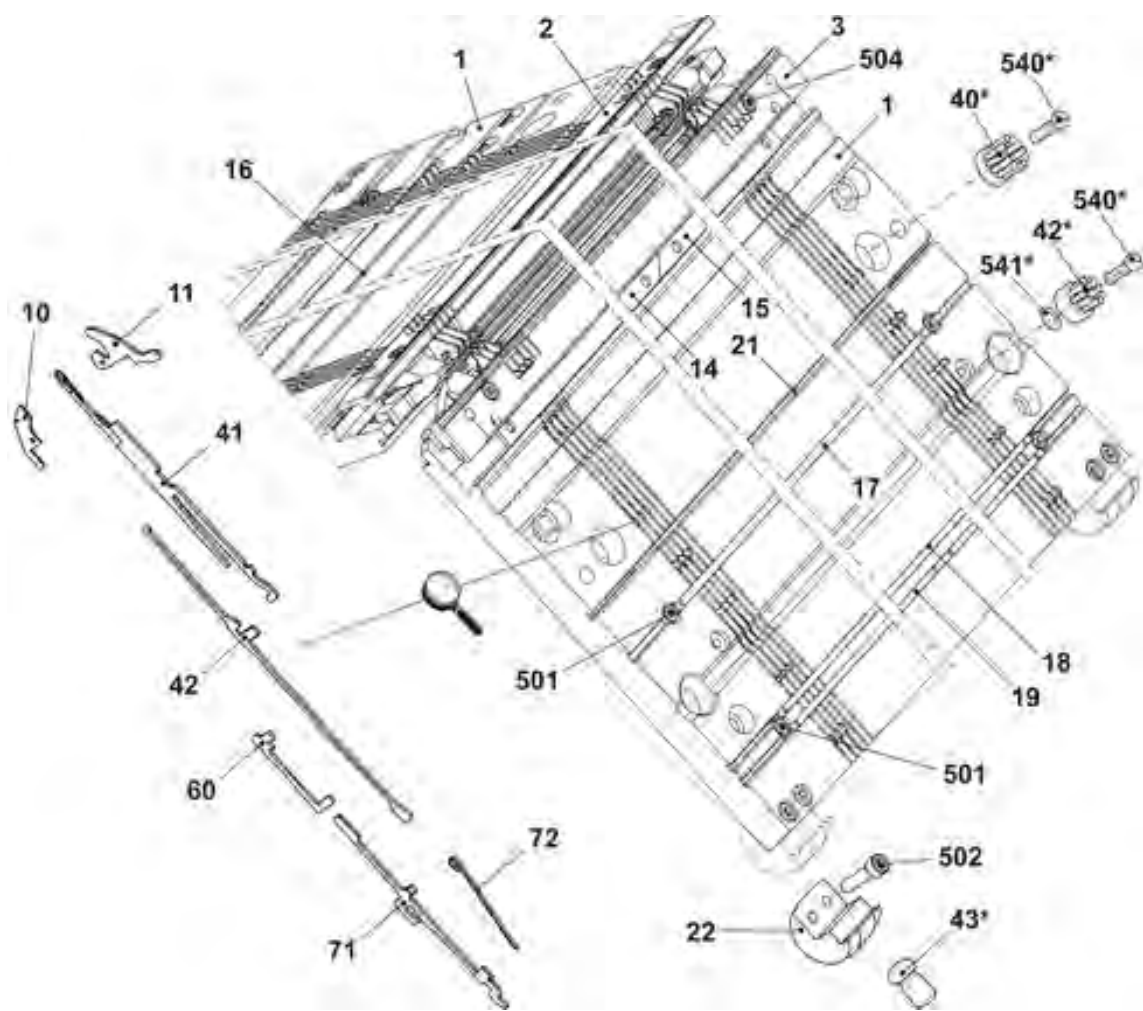
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire ø0.8	213 989		507	Sprung pressure peace	023 177
3	Spring steel wire Ø2.0	213 996		509	Shim 0.02x18.5x34	023 194
12	Limiter on the left E4-E8	205 343		510	Shim 0.03x18.5x34	023 195
13	Limiter on the right E4-8	205 344		511	Shim 0.05x18.5x34	023 196
21	Locating wire ø2.8	213 983		512	Shim 0.1x18.5x34	023 197
503	Cap screw M5x8	023 154		513	Shim 0.2x18.5x34	023 253



4.7 Needle bed E8m.7

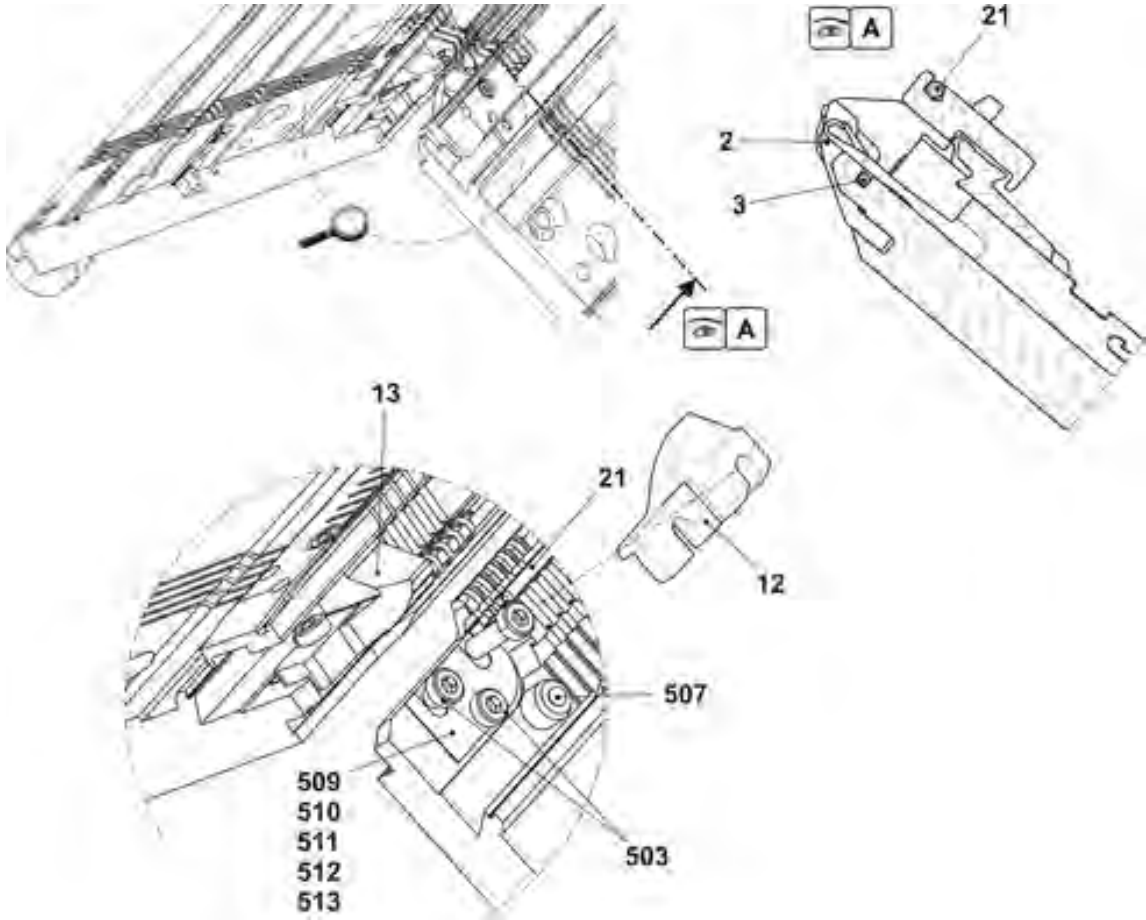
4.7 Needle bed E8m.7

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E8m.7	241 504		17	Cover rail at the front E8	214 035
1	Needle bed at the front + rear E8	240 380		18	Cover rail	213 762
2	Holding-down jack bed at the rear E8	240 446		19	Cover rail	213 763
3	Holding-down jack bed at the front E8	240 429		21	Fixierdraht D=2,8 1290mm	213 983
41	Needle E7 with round hook	205 397		22	Support	241 339
42	Coupling part E4-8	200 682		501	Cap screw M5x10	022 918
60	Intermediate slider E5 – E8	237 323		502	Cap screw M6x25	020 137
71	Selection jack E4 - E8	200 687		504	Cap screw M5x22	023 193
72	Selector spring E4 – E8	200 690		40*	Disk brush	235 612
10	Knock-over bit E8	207 054		42*	Disk brush	202 600
11	Holding-down jack E8	205 028		43*	Adjusting bolt	240 765
14	Needle rail on the left	213 998		540*	Cap screw M5x12	020 032
15	Needle rail on the right	213 999		541*	Pass-Scheibe P6x0,3	023 540
16	Cover rail at the rear	213 981				



4.7.1 Continuation needle bed E8m.7

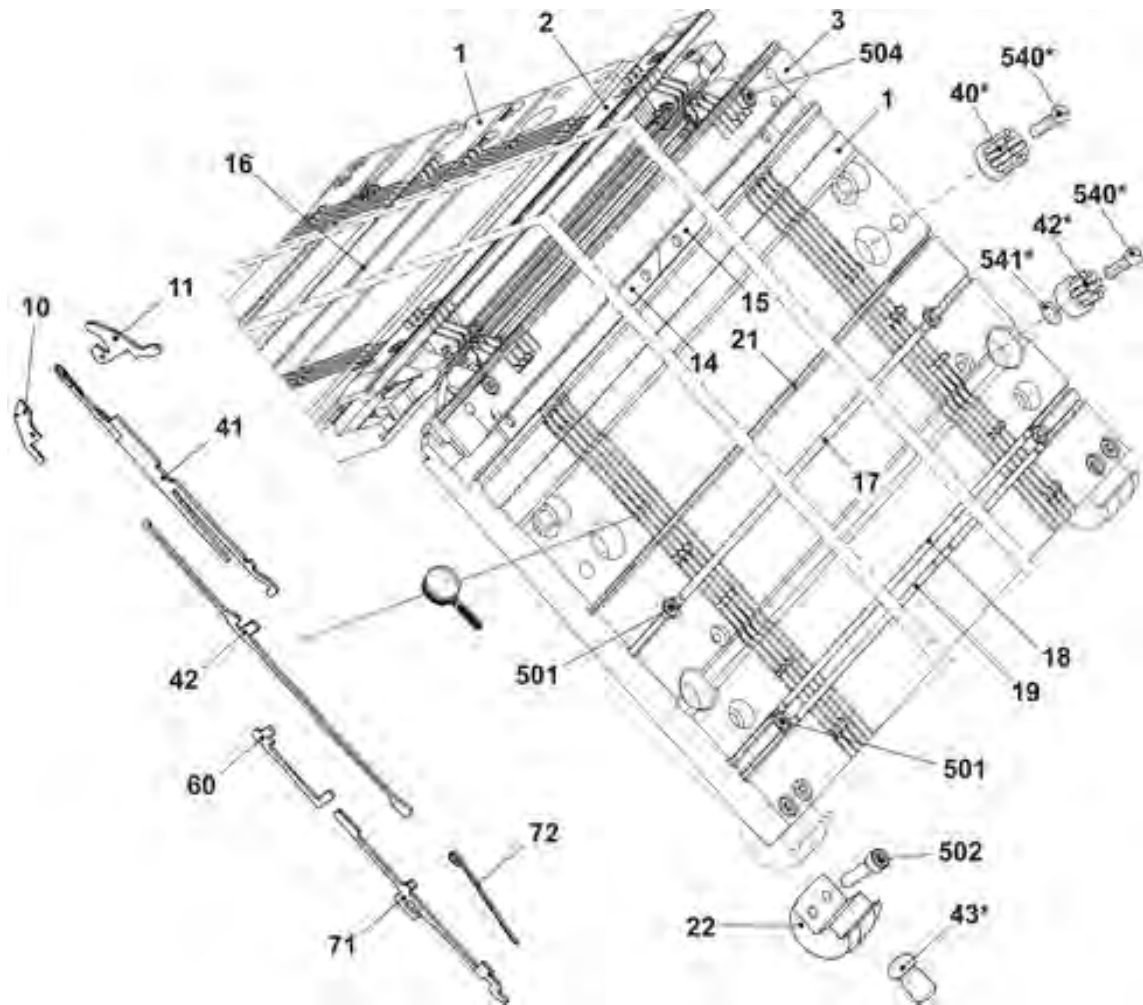
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire ø0.8	213 989		507	Sprung pressure peace	023 177
3	Spring steel wire Ø2.0	213 996		509	Shim 0.02x18.5x34	023 194
12	Limiter on the left E4-E8	205 343		510	Shim 0.03x18.5x34	023 195
13	Limiter on the right E4-8	205 344		511	Shim 0.05x18.5x34	023 196
21	Locating wire ø2.8	213 983		512	Shim 0.1x18.5x34	023 197
503	Cap screw M5x8	023 154		513	Shim 0.2x18.5x34	023 253



4.8 Needle bed E2,5.2

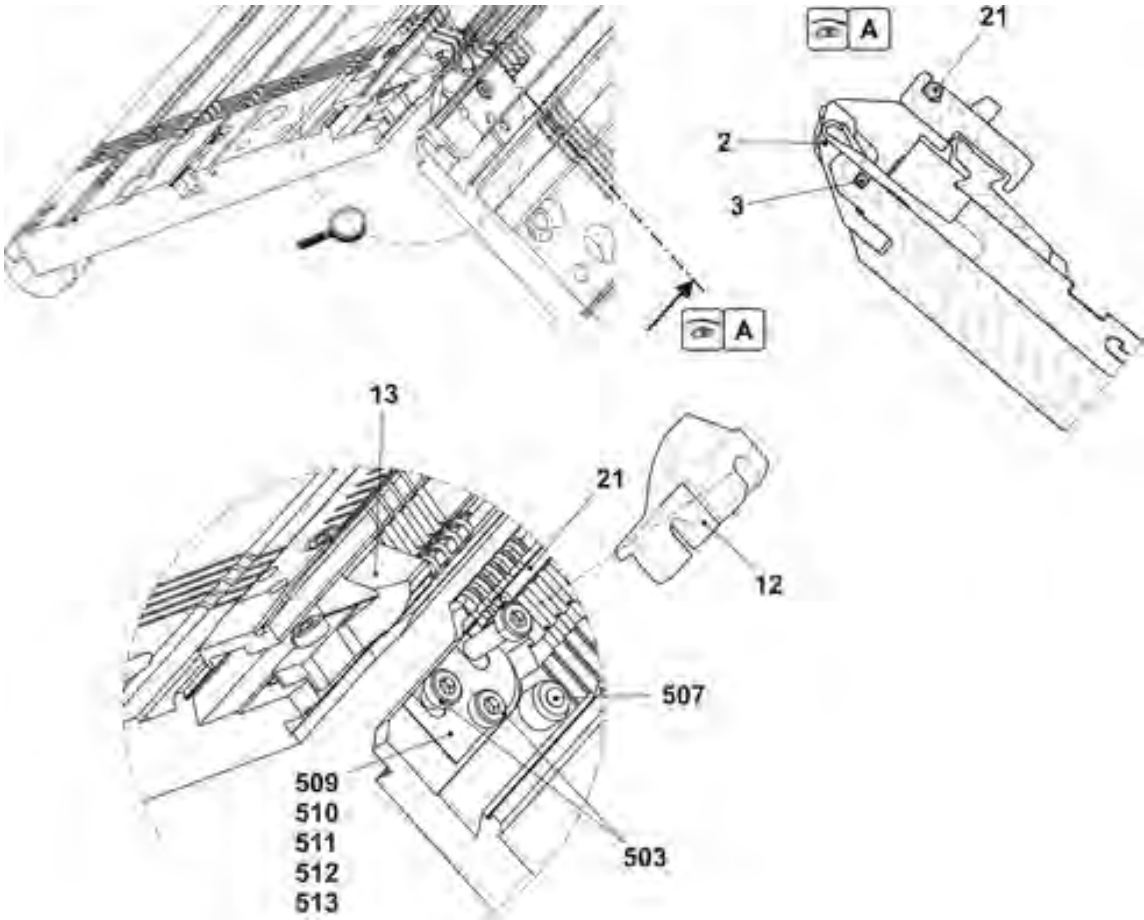
4.8 Needle bed E2,5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E3,5.2	241 508		17	Cover rail at the front E7	214 034
1	Needle bed at the front + rear E7	240 379		18	Cover rail	213 762
2	Holding-down jack bed at the rear E3,5.2	240 453		19	Cover rail	213 763
3	Holding-down jack bed at the front E3,5.2	240 436		21	Locating wire D=2,8 1290mm	213 983
41	Needle E2,5.2 E3,5.2	232 581		22	Support	241 339
42	Coupling part E4 - E8	200 682		501	Cap screw M5X10	022 918
60	Intermediate slider E5 – E8	237 323		502	Cap screw M6X25	020 137
71	Selection jack E4 - E8	200 687		504	Cap screw M5X22	023 193
72	Selector spring E4 – E8	200 690		40*	Disk brush	235 612
10	Knock-over bit E7	207 055		42*	Disk brush	202 600
11	Holding-down jack E7	205 032		43*	Adjusting bolt	240 765
14	Needle bar on the left	213 998		540*	Cap screw M5x12	020 032
15	Needle bar on the right	213 999		541*	Adjusting washer P6x0,3	023 540
16	Cover rail at the rear	213 981				



4.8.1 Continuation needle bed E3,5.2

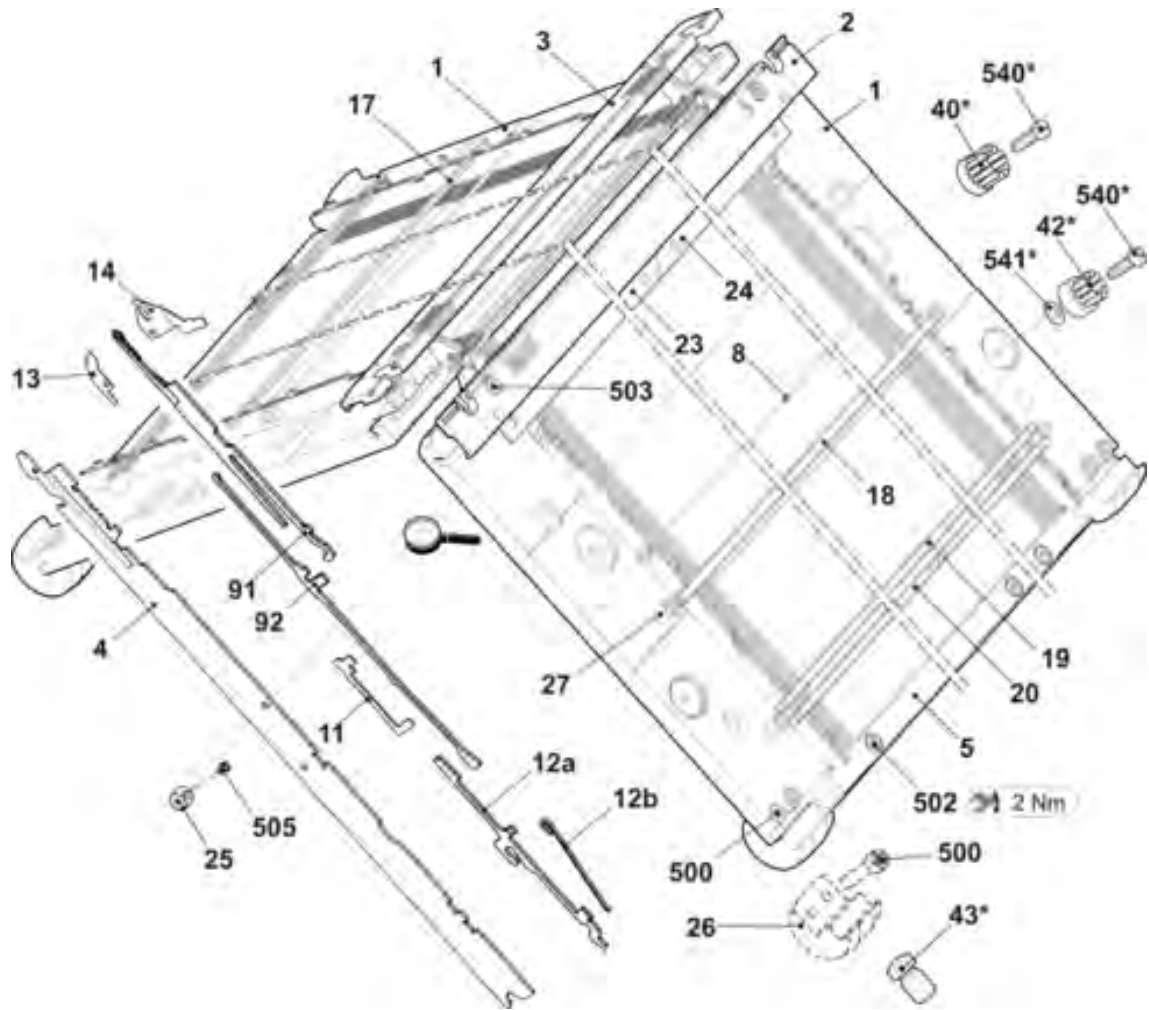
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire ø0.8	213 989		507	Sprung pressure peace	023 177
3	Spring steel wire Ø2.0	213 996		509	Shim 0.02x18.5x34	023 194
12	Limiter on the left E4 – E8	205 343		510	Shim 0.03x18.5x34	023 195
13	Limiter on the right E4 - E8	205 344		511	Shim 0.05x18.5x34	023 196
21	Locating wire ø2.8	213 983		512	Shim 0.1x18.5x34	023 197
503	Cap screw M5x8	023 154		513	Shim 0.2x18.5x34	023 253



4.9 Needle bed E5.2

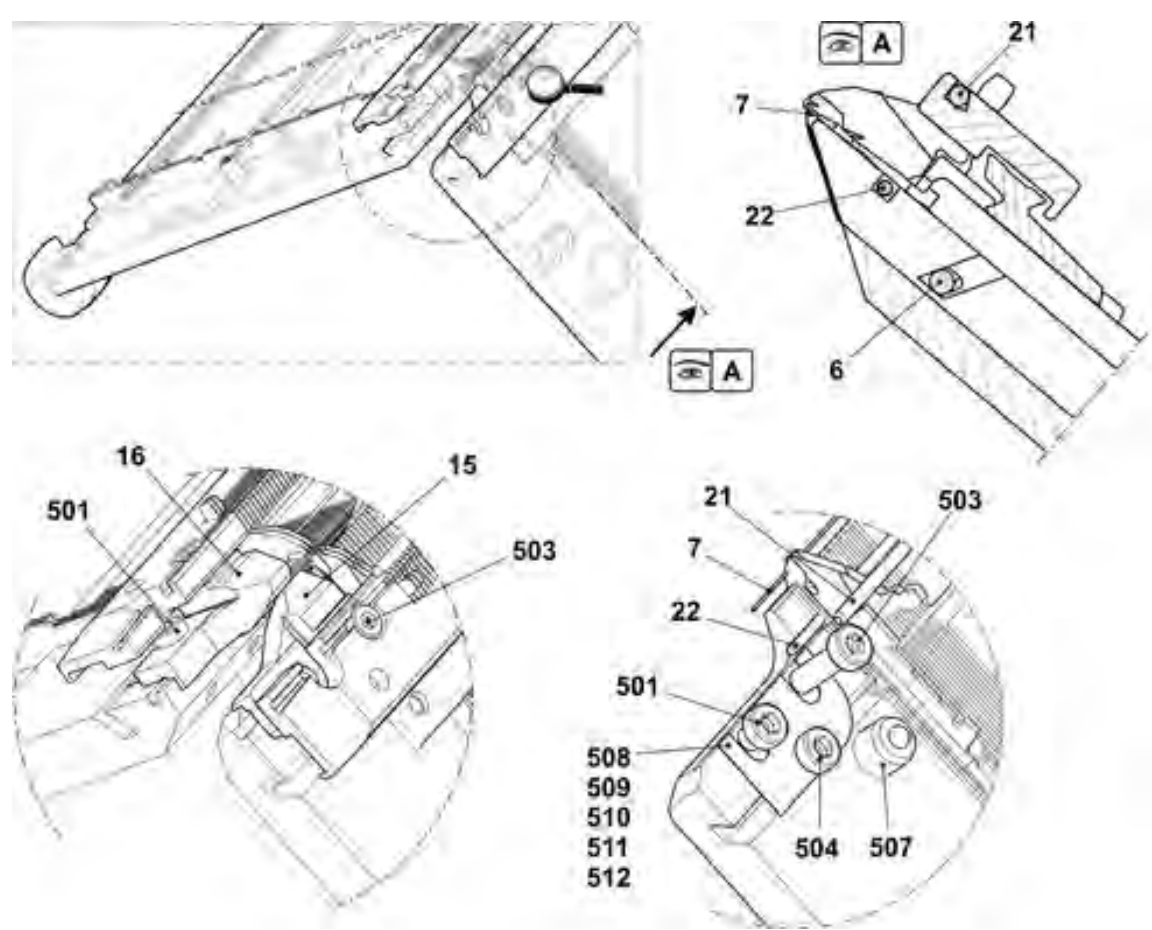
4.9 Needle bed E5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5.2	241 509		19	Cover rail	213 762
1	Needle bed at the front + rear E5.2	240 386		20	Cover rail	213 763
2	Holding-down jack bed at the front E5.2	240 437		23	Needle rail on the left	213 998
3	Holding-down jack bed at the rear E5.2	240 454		24	Needle rail on the right	213 999
4	Main trick wall E5.2	219 171		25	Bush	206 090
5	Pressure slide E10-14	213 919		26	Support	241 339
8	Spring steel wire 2.0x1286mm	213 996		27	Stop screw	214 039
91	Needle E5.2	219 181		500	Cap screw M6X14	022 658
92	Coupling part E5.2	219 188		502	Cap screw M5x8	023 379
11	Intermediate slider complete E5.2	236 030		503	Cap screw M5x22	023 193
12a	Selection jack E5.2	219 214		505	Set screw M3,5x3-1	020 512
12b	Selector spring E5.2	219 265		40*	Disk brush	235 612
13	Knock-over bit E5.2	221 367		42*	Plate brush ø12	202 600
14	Holding-down jack (trick wall) E5.2	227 716		43*	Adjusting bolt	240 765
17	Cover rail at the rear	213 981		540*	Cap screw M5x12	020 032
18	Cover rail at the front E10	214 036		541*	Adjusting washer P6x0,3	023 540



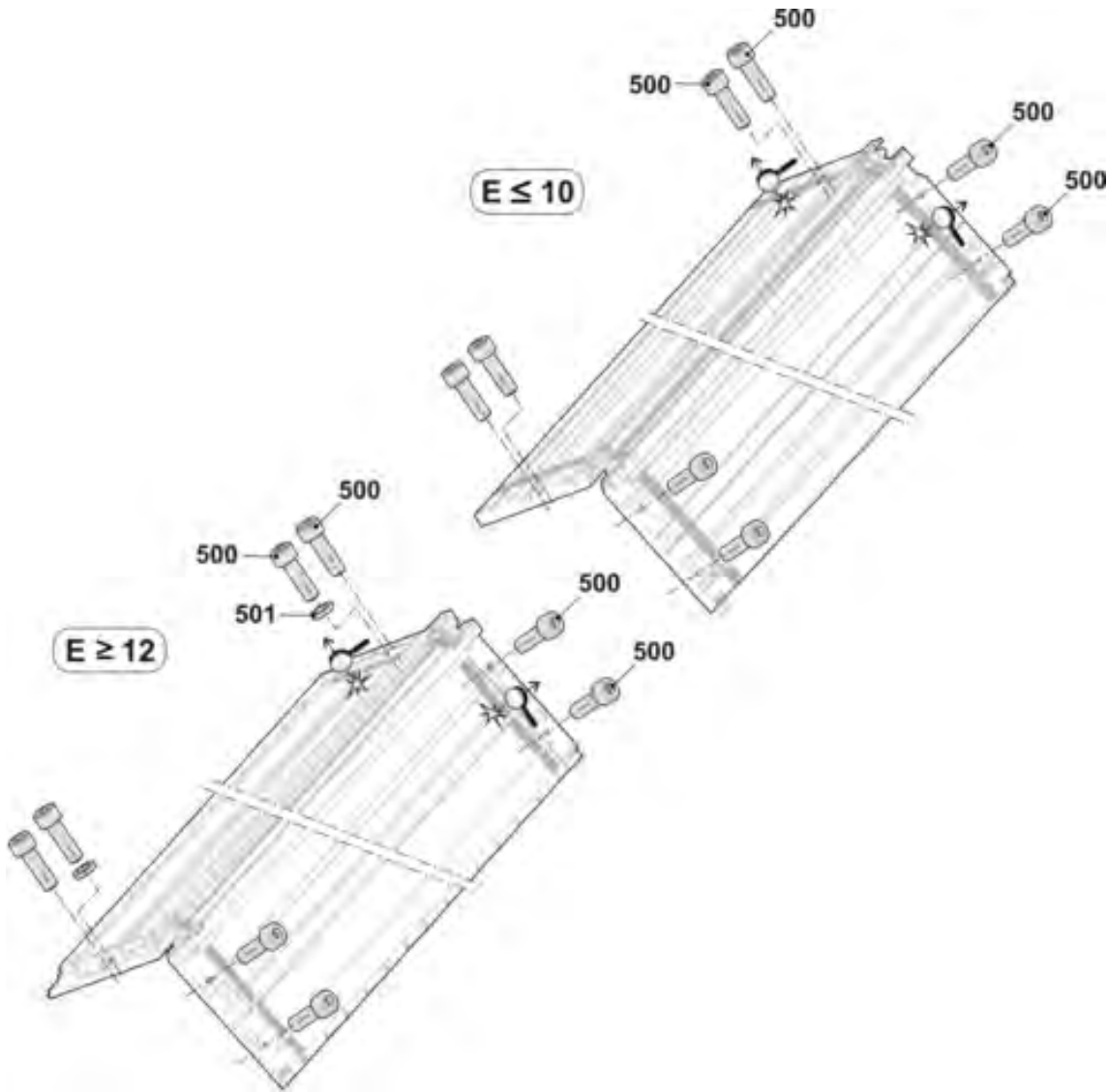
4.9.1 Continuation needle bed E5.2

Pos	Designation	ID No.		Pos	Designation	ID No.
6	Fixed wire ø3.4	213 995		504	Cap screw M5x12	022 943
7	Spring steel wire ø1.0	213 988		507	Sprung thrust piece	023 177
15	Limiter on the left E4-E8	205 343		508	Shim 0.02x18.5x34	023 194
16	Limiter on the right E4-E8	205 344		509	Shim 0.03x18.5x34	023 195
21	Fixed wire Ø2.8	213 983		510	Shim 0.05x18.5x34	023 196
22	Spring steel wire Ø1.95	213 997		511	Shim 0.1x18.5x34	023 197
501	Cap screw M5x8-8.8	023 154		512	Shim 0.2x18.5x34	023 253
503	Cap screw M5x22	023 193				



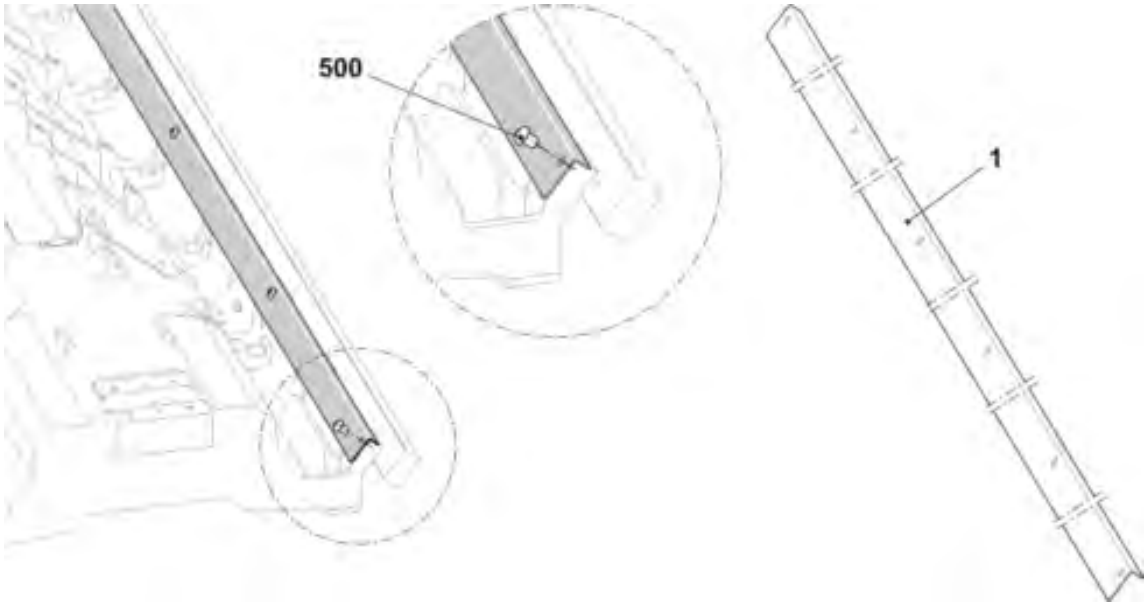
4.10 Needle beds, fixing elements

Pos	Designation	Id		Pos	Designation	Id
Σ	Fixing elements					
500	Cap screw M8x25	020 142		501	U-washer	214 040



4.11 Cover

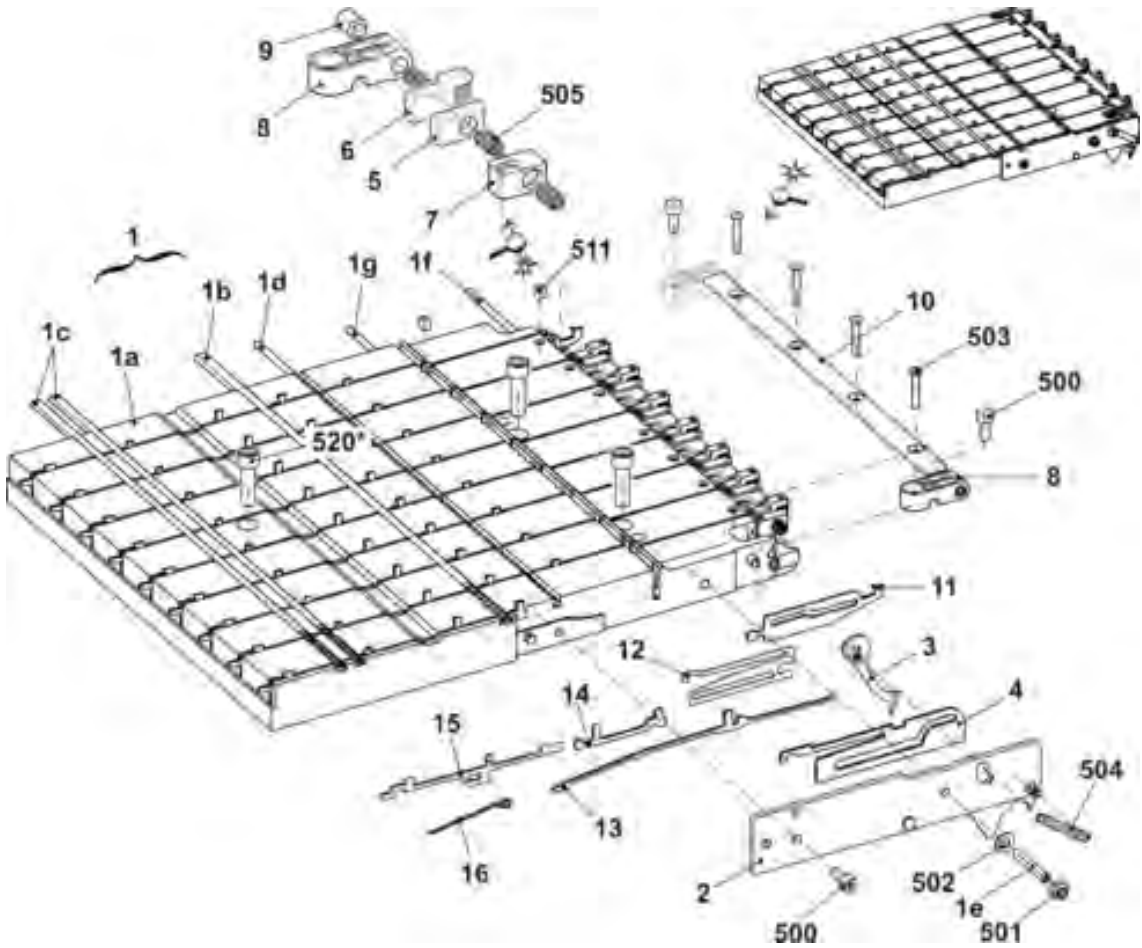
Pos	Designation	Id		Pos	Designation	Id
1	Cover	241 922		500	Countersunk screw M8x10	241 930



4.12 Left clamping/cutting bed

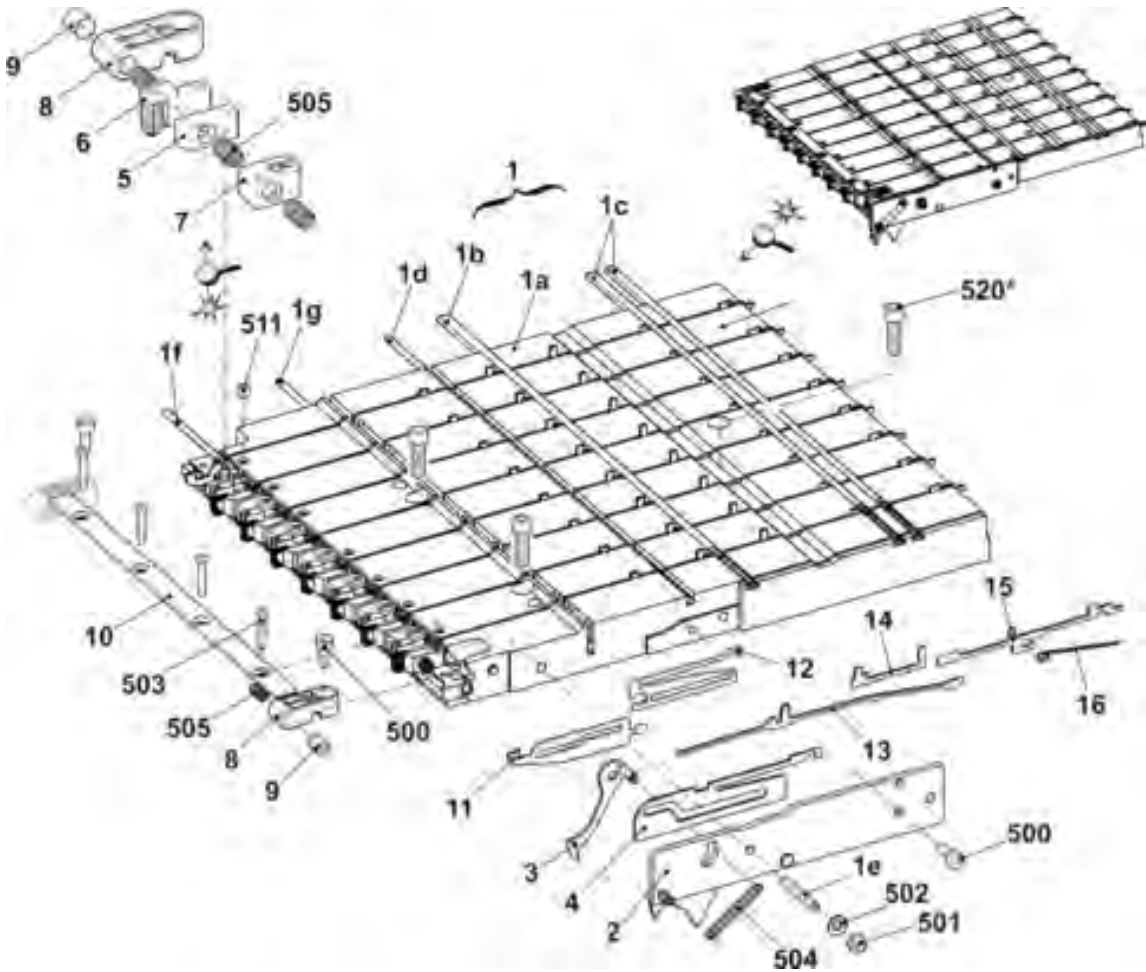
4.12 Left clamping/cutting bed

Pos	Designation		Id	Pos	Designation		Id
Σ	Clamping/cutting bed on the left E5-14		257 198	8	Spring holder		255 724
1	Guide plate on the left E5-14		257 194	9	Threaded bolt		255 723
	1a	Guide plate on the left E5-14	257 190	10	Holding strip		253 176
	1b	Cover rail	253 173	11	Tuck needle on the left E5-4		255 813
	1c	Cover rail	253 174	12	Intermediate cam E10-14		244 591
	1d	Fixed wire	253 172	13	Coupling part E4-8		200 682
	1e	Guide pin	211 351	14	Intermediate slider with brake E5-8		237 323
	F 1	Fixed wire	253 171	15	Selection jack E4-8		200 687
	1g	Fixed wire	215 927	16	Selector spring E4-8		200 690
	511	Set screw M5x5	236 061	500	Cap screw M4x10		023 136
2	Cover on the left complete E10-14		251 120	501	Hexagon nut M4		023 046
3	Catch hook on the left E10-14		251 377	502	U-washer 4		020 870
4	Slider E5-14		253 084	503	Countersunk screw M3x18		242 728
5	Blade		243 948	504	Tension spring 5x0.5x17.4		023 377
6	Clamp on the left complete		244 633	505	Compression spring 07x4.3x12.1		023 521
7	Intermediate piece		255 719	520*	Cap screw M6x20		244 824



4.13 Clamping/cutting bed on the right

Pos	Designation		Id	Pos	Designation		Id
Σ	Clamping/cutting bed E5-14 on the right		257 197	8	Spring holder		255 424
1	Guide plate on the right E5-14		257 193	9	Threaded bolt		255 723
	1a	Guide plate on the right E5-14	257 189	10	Holding strip		253 176
	1b	Cover rail	253 173	11	Tuck needle on the right E5-14		255 692
	1c	Cover rail	253 174	12	Intermediate cam E10-14		244 591
	1d	Fixed wire	253 172	13	Coupling part E4-8		200 682
	1e	Guide pin	211 351	14	Intermediate slider with brake E5-8		237 323
	F 1	Fixed wire	253 171	15	Selection jack E4-8		200 687
	1g	Fixed wire	215 927	16	Selector spring E4-8		200 690
	511	Set screw M5x5	236 061	500	Cap screw M4x10		023 136
2	Cover on the right complete E10-14		251 119	501	Hexagon nut M4		023 046
3	Catch hook on the right E10-14		251 378	502	U-washer 4		020 870
4	Slider E5-14		253 084	503	Countersunk screw M3x18		242 728
5	Blade		243 948	504	Tension spring 5x0.5x17.4		023 377
6	Clamp on the right complete		244 602	505	Compression spring 07x4.3x12.1		023 521
7	Intermediate piece		255 719	520*	Cap screw M6x20		244 824



4.13 Clamping/cutting bed on the right

Notes:

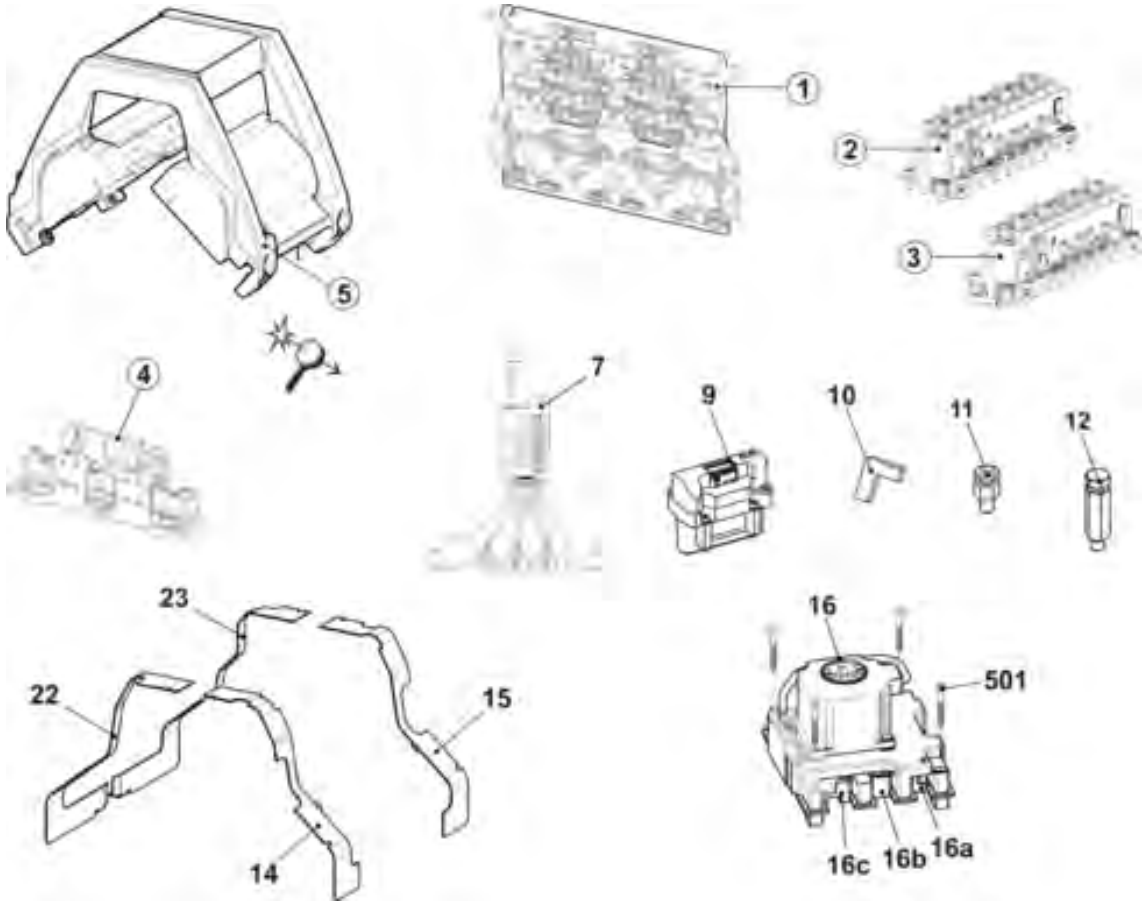
5 Carriage



5.1 Overview of carriage

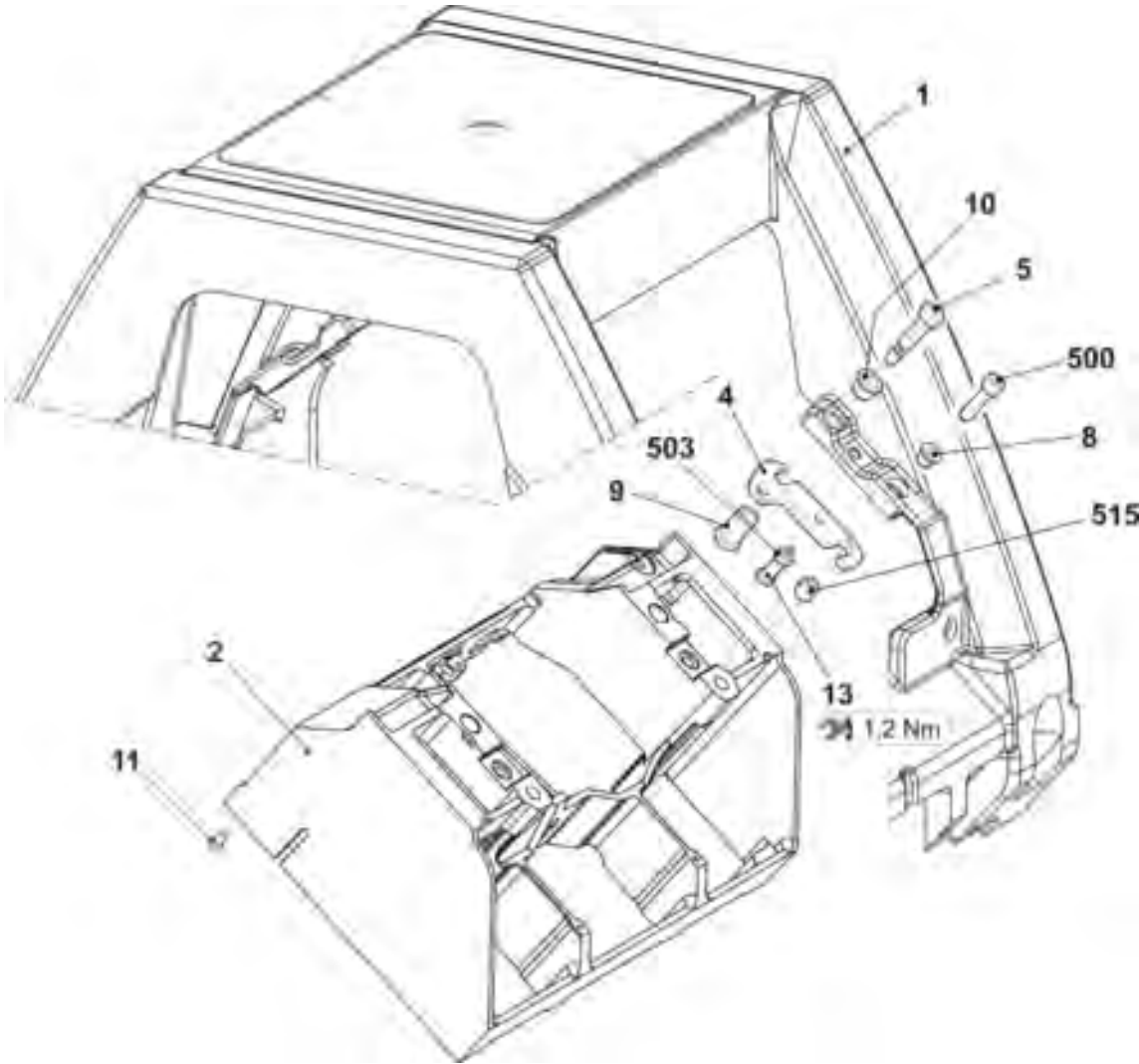
5.1 Overview of carriage

Pos	Designation	Id	Pos	Designation	Id
Σ	Carriage complete		9	Selection system complete E5.2	216 219
	E5 E5m.4 E7m.5 E3,5.2	256 171	10	Wiper (felt)	241 411
	E7 E8 E7m.8 E8m.7	256 172	11	Bolt	212 392
	E5.2	256 173	12	Bolt	243 171
1	Cam box complete		22	Guide plate at the rear on the left	245 323
	E5 E5m.4 E7m.5 E3,5.2 E5.2	243 132	23	Guide plate at the rear on the right	245 324
	E7 E8 E7m.8 E8m.7	243 133	14	Cover plate on the left	250 274
2	YC driving outside complete	245 297	15	Cover plate on the right	250 275
3	YC driving in the middle complete	245 298	16	Motor unit complete	253 531
4	Holding-down jack control complete E5-8	241 515		A16 Gear rack at the top	209 781
5	Carriage assembly 2 cam boxes	256 495		16b Gear rack in the middle	209 782
7	Distributor at the back and the front	252 009		16c Gear rack at the bottom	209 783
9	Selection system complete	216 218	501	Cap screw M4x30	023 290



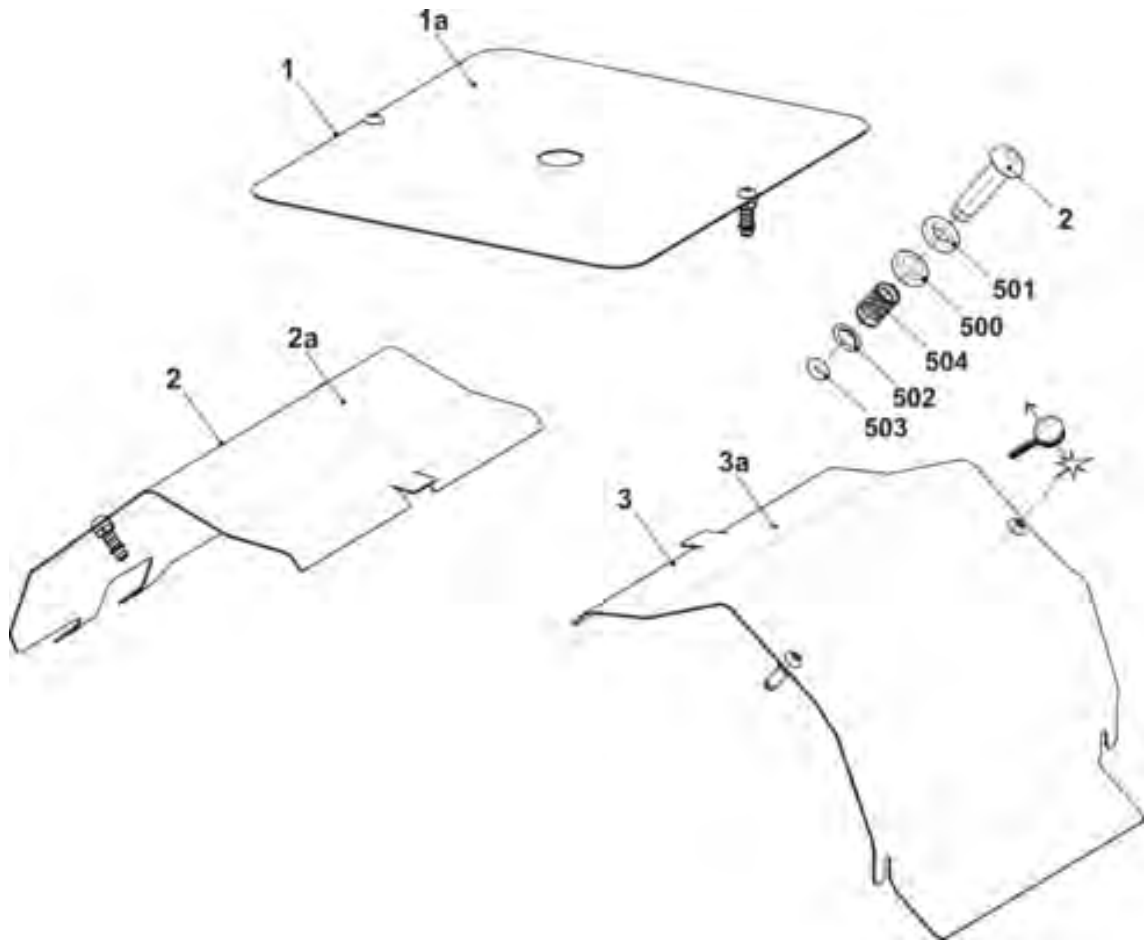
5.2 Carriage

Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage assembly 2 cam boxes	256 495				
1	Carriage frame, 2 cam boxes	256 504		10	Bush	209 274
2	Carriage part, 2 cam boxes	240 572		11	Eccentric	222 983
5	Shoulder screw	211 750		13	Fixing bolt linking spot	244 179
4	Shim	225 312		500	Cap screw M8X30	020 143
8	Bush	207 546		503	Circlip 6	021 022
9	Bush	209 275		515	Threaded bushing	041 863



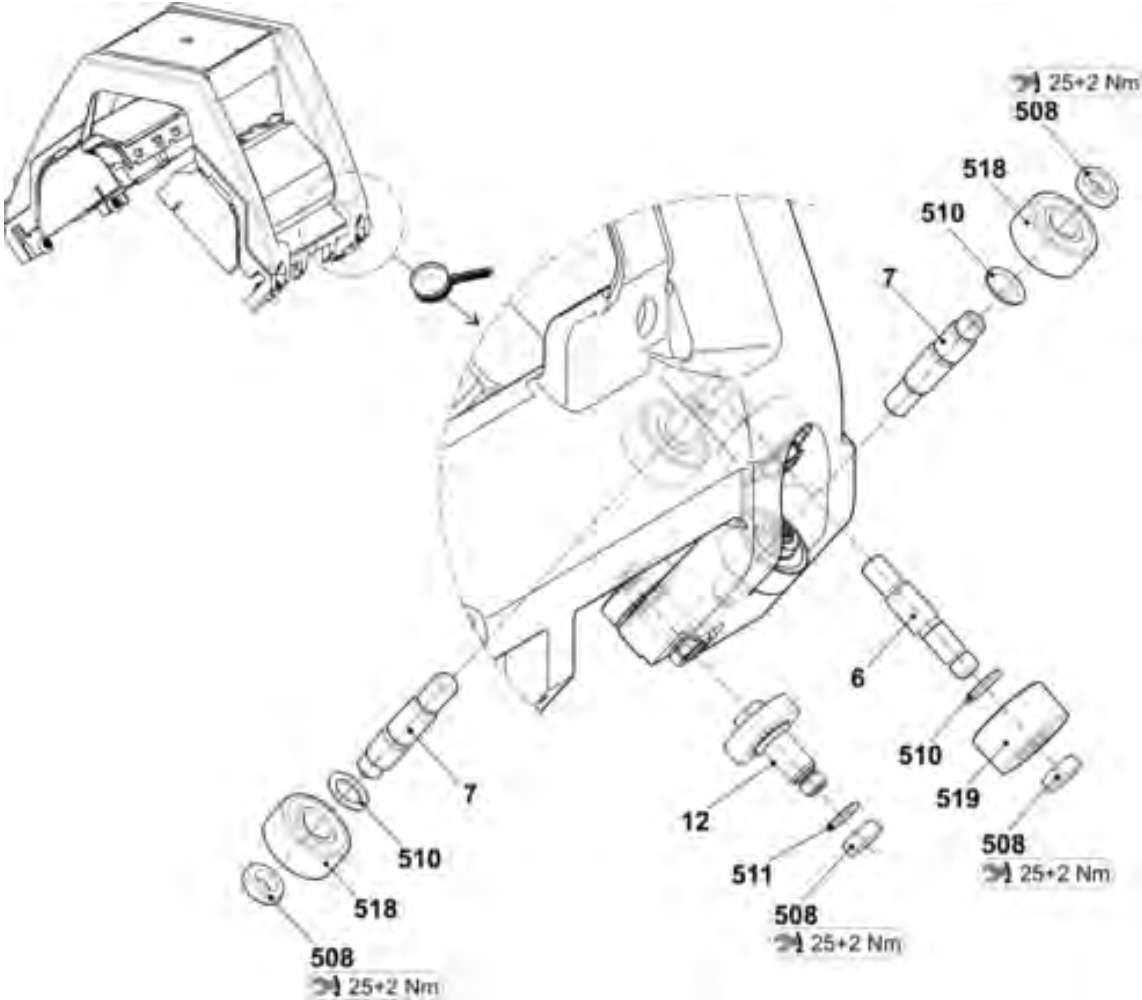
5.3 Carriage cover

Pos	Designation	Id		Pos	Designation	Id
1	Carriage cover at the top 2 cam boxes complete	257 099		10	Fixing bolt	242 382
	1a Carriage cover at the top 2 cam boxes	256 509		500	Hexagon nut M6	257 088
2	Carriage cover at the rear complete 2 cam boxes	257 159		501	U-washer 6.1x9x0,5	023 554
	2a Carriage cover at the rear 2 cam boxes	256 734		502	Serrated lock washer 6,4	022 385
3	Carriage cover front 2 cam boxes	257 158		503	O-ring 3x2	242 420
	3a Carriage cover front 2 cam boxes	256 733		504	Compression spring 0.48x7.02x17.29	023 654



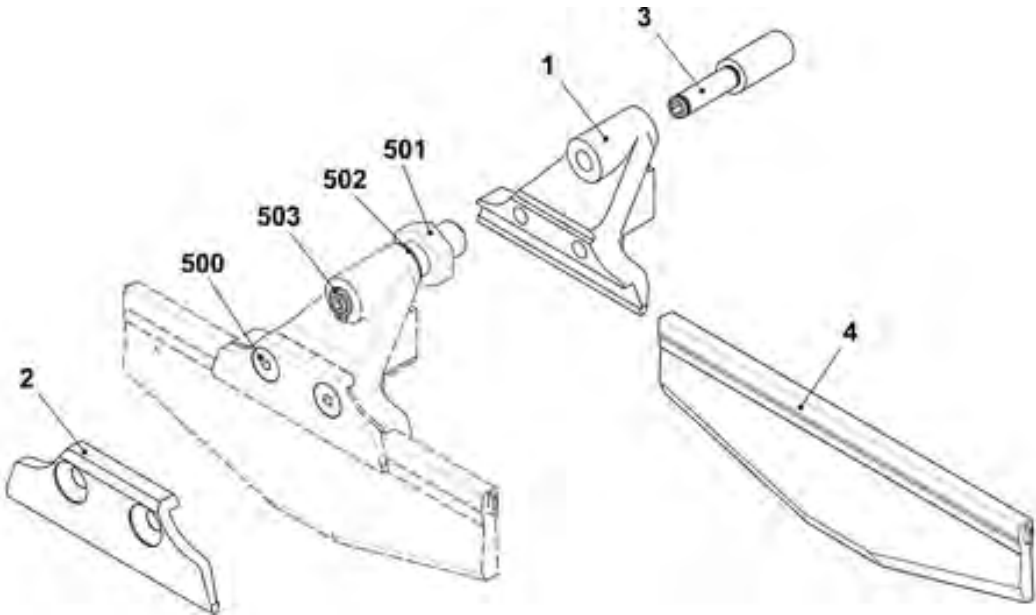
5.4 Carriage guide

Pos	Designation	Id		Pos	Designation	Id
6	Bearing bolt eccentric 0.3	242 060		510	Shim ring 12x18x1	023 315
7	Bearing bolt eccentric 0.3	240 624		511	Shim ring 10x16x1	023 260
12	Bolt pre-assembled	244 283		518	Grooved ball bearing 62300-2RS1	241 408
508	Nut M10	023 316		519	Grooved ball bearing 62300-2RS1	242 070



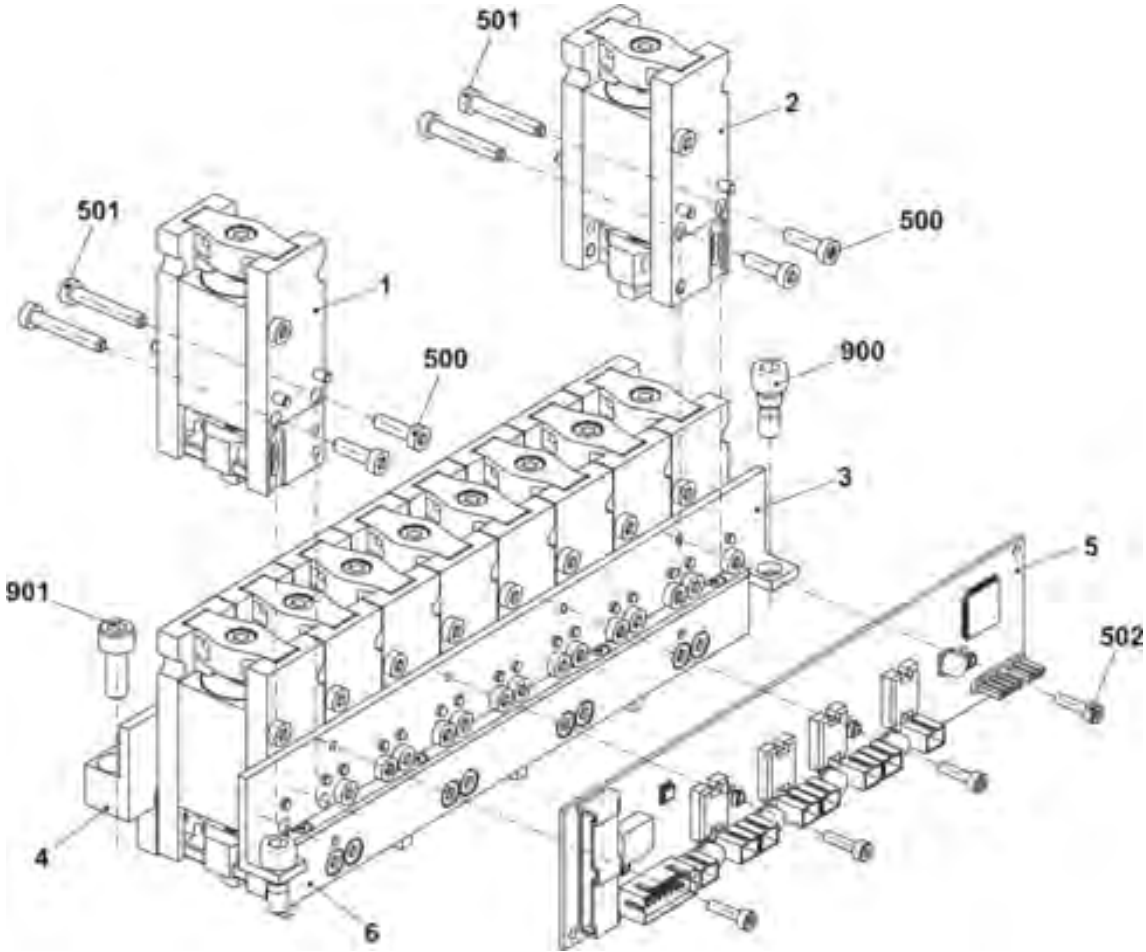
5.5 Brush holder

Pos	Designation	Id		Pos	Designation	Id
Σ	Brush holder complete (E5-8)	213 710				
1	Brush holder	213 009		500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010		501	Hexagon nut M8x5	023 750
3	Threaded rod	209 740		502	Adjusting washer 5x10x0.5	023 348
4	Brush (E5-8)	203 254		503	Locking ring 5x0.6	023 347



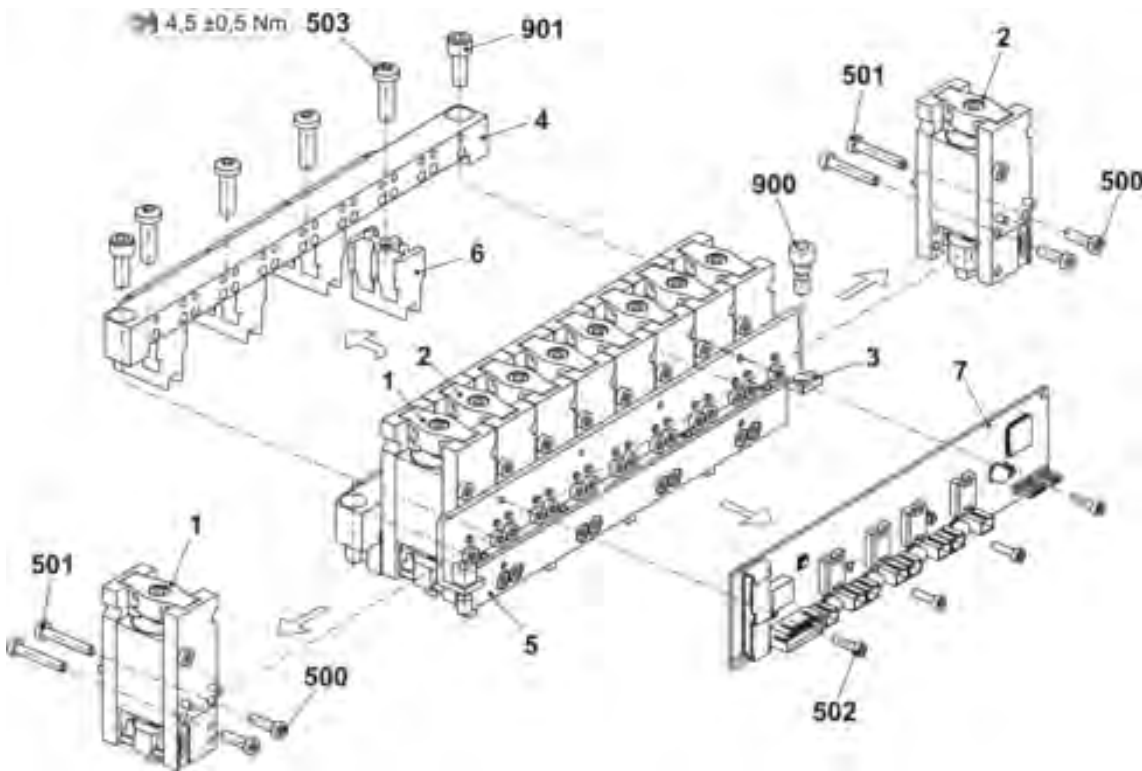
5.6 Yarn carrier driving without guiding part

Pos	Designation	Id		Pos	Designation	Id
Σ	YC driving outside complete	245 297		6	Switch mechanism	251 137
1	Yarn carrier plunger on the right complete	243 080		500	Cap screw M4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118		501	Cap screw M4x25-I-Torx	245 305
3	Support angle for jack	245 313		502	Cap screw M3x12-12.9	022 648
4	Mounting block outside	245 294		900	Dowel screw	231 899
5	Card yarn carrier final stages	300 960		901	Cap screw M6x16	020 135



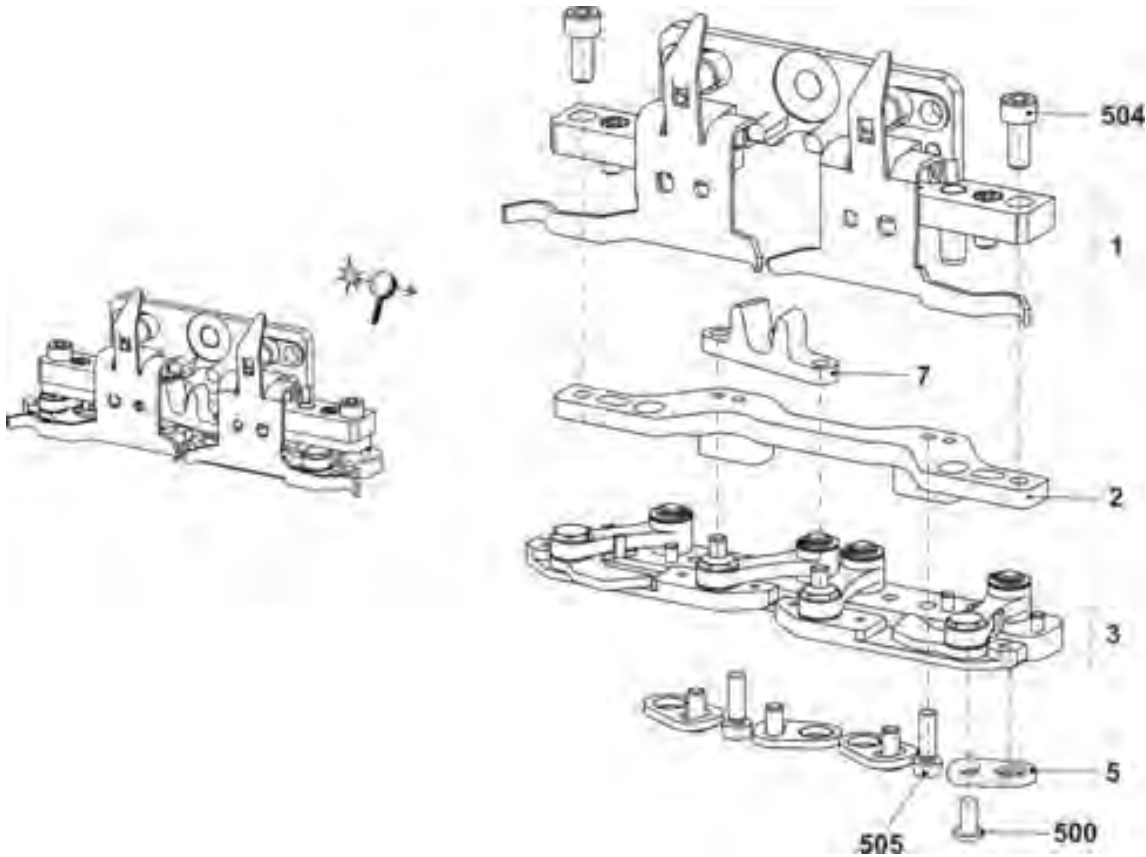
5.7 Yarn carrier driving with guiding part

Pos	Designation	Id		Pos	Designation	Id
Σ	YC driving in the middle complete	245 298		7	Card yarn carrier final stages	300 960
1	Yarn carrier plunger on the right complete	243 080		500	Cap screw M4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118		501	Cap screw M4x25-I-Torx	245 305
3	Support angle for jack	245 313		502	Cap screw M3x12-12.9	022 648
4	Mounting block in the middle	245 308		503	Screw KB60 x 20	243 625
5	Switch mechanism	251 137		900	Dowel screw	231 899
6	Guide part	239 972		901	Cap screw M6x16	020 135



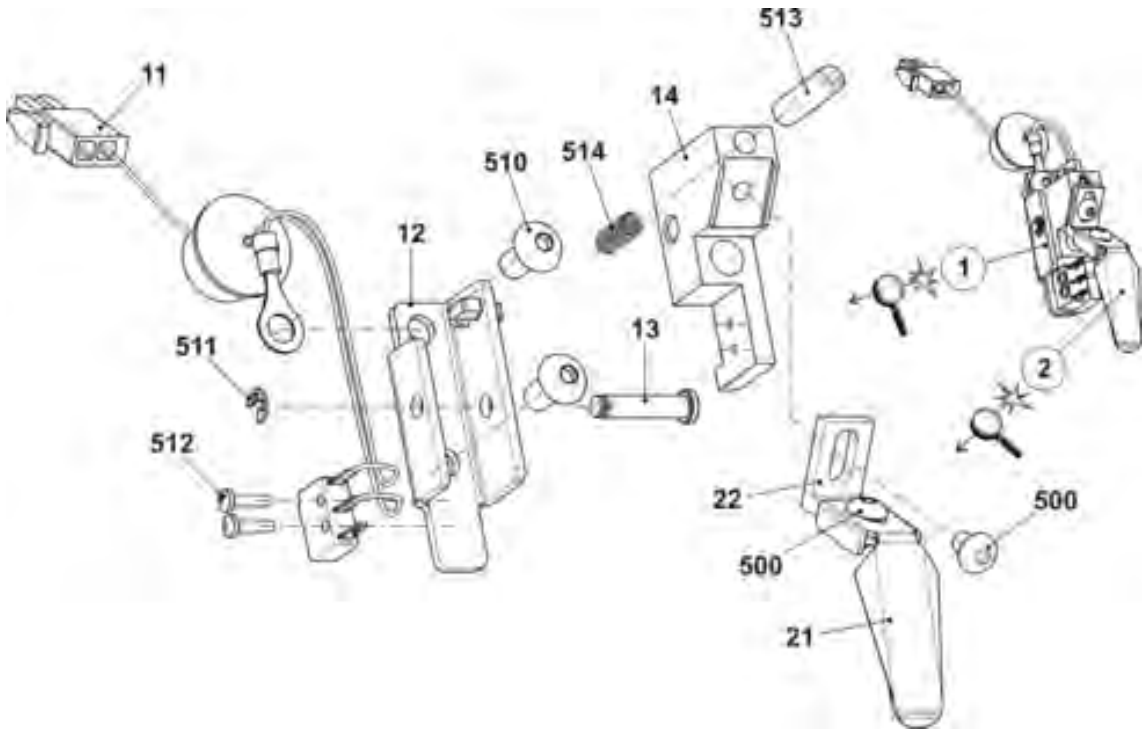
5.8 Holding-down jack control

Pos	Designation	Id		Pos	Designation	Id
Σ	Holding-down jack control complete E5-8	241 515				
1	Assembly plate complete	244 234		7	Plunger	210 559
2	Connection plate	241 326		500	Pan-head screw M4x8	023 579
3	Jack cam plate complete E5-8	241 521		504	Cap screw M5x12	020 132
5	Adjusting plate	211 507		505	Cap screw M4x12	241 859



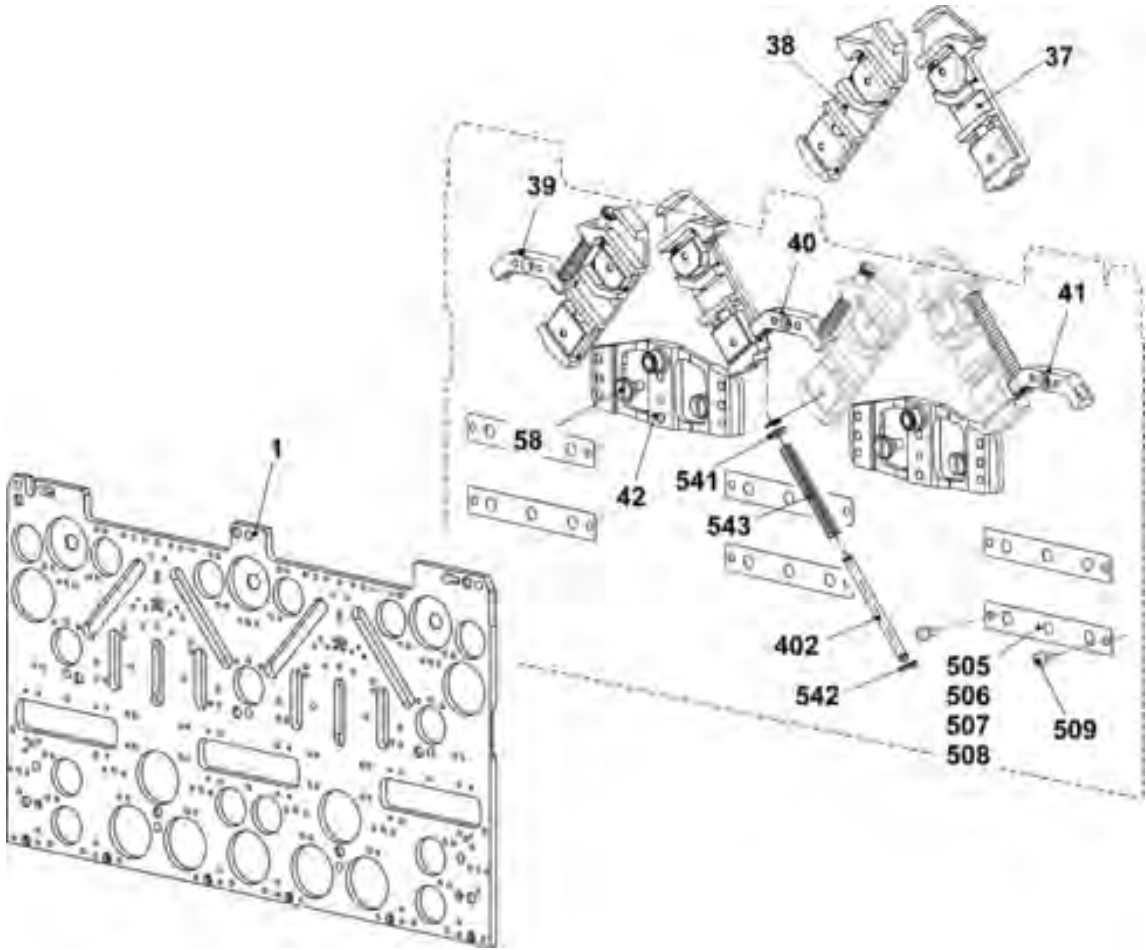
5.9 Needle detector

Pos	Designation		Id		Pos	Designation		Id
Σ	Needle detector		221 238		512	Countersunk screw M2x8		258 310
1	Needle detector pre-assembled		221 773		513	Setscrew M5x20		023 526
	11	Cable of needle detector complete	221 207		514	Compression spring 4.3x0.45x10		021 398
	12	Retainer	220 464		2	Sensor pre-assembled		221 758
	13	Bolts	258 390		21	Sensor		220 839
	14	Switch rocker	220 637		22	Angle		221 175
	510	Countersunk screw M5x10	023 247		500	Countersunk screw M4x6		023 427
	511	Circlip	021 018		500	Countersunk screw M4x6		023 427



5.10 Cam box E5 | E3,5.2 | E5.2 | E5m.4 | E7m.5

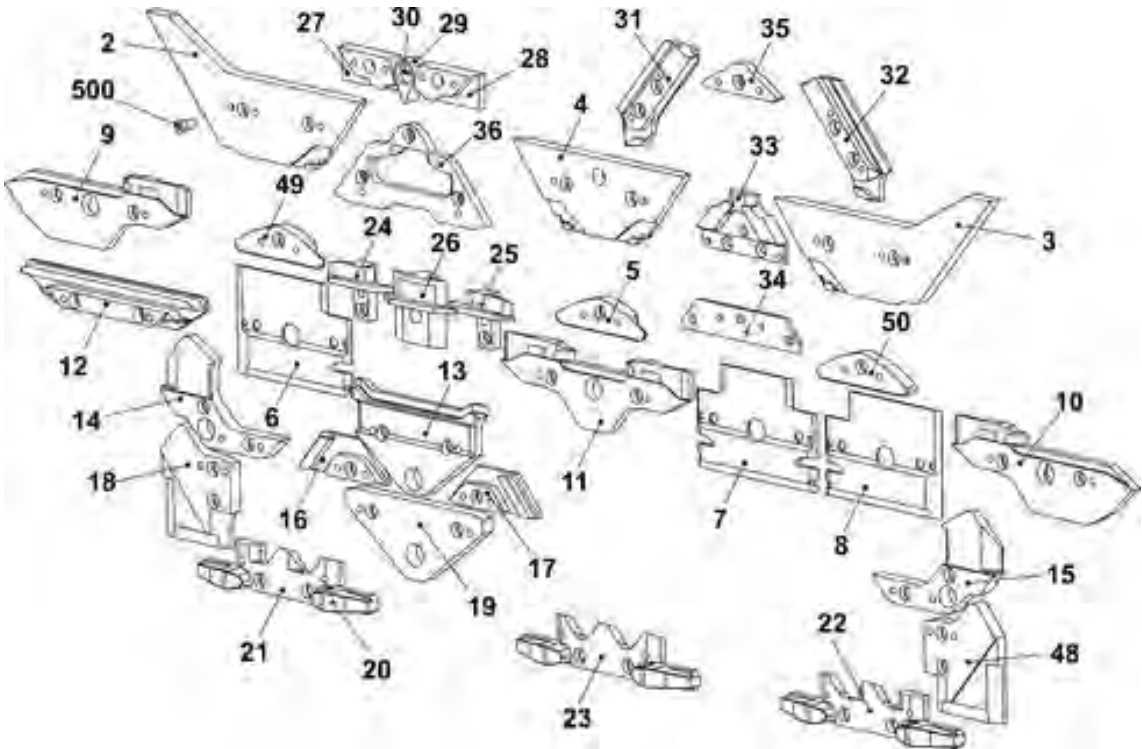
Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E5	243 132			
1	Cam plate	241 330	42	Switching piece	240 281
37	Loop sinking cam on the right complete E5 - E10	211 163	58	Shoulder screw	239 626
38	Loop sinking cam on the left complete E5 – E10	211 164	505	Shim 0,03x12x75	022 828
39	Rod guide element on the left	211 165	506	Shim 0,05x12x75	022 829
40	Rod guide element in the middle	211 166	507	Shim 0.1x12x75	022 830
41	Rod guide element on the right	211 168	508	Shim 0,05x12x75	022 831
	402 Spring rod	209 791	509	Countersunk screw M3x4	023 142
	541 Washer 4,3x7x0,5	022 153	Parts at the bottom of the cam box Cam box complete contains all parts for both carriage sides		
	542 Circlip 3.2	021 019			
	543 Spring	023 344			



5.10 Cam box E5 | E3,5.2 | E5.2 | E5m.4 | E7m.5

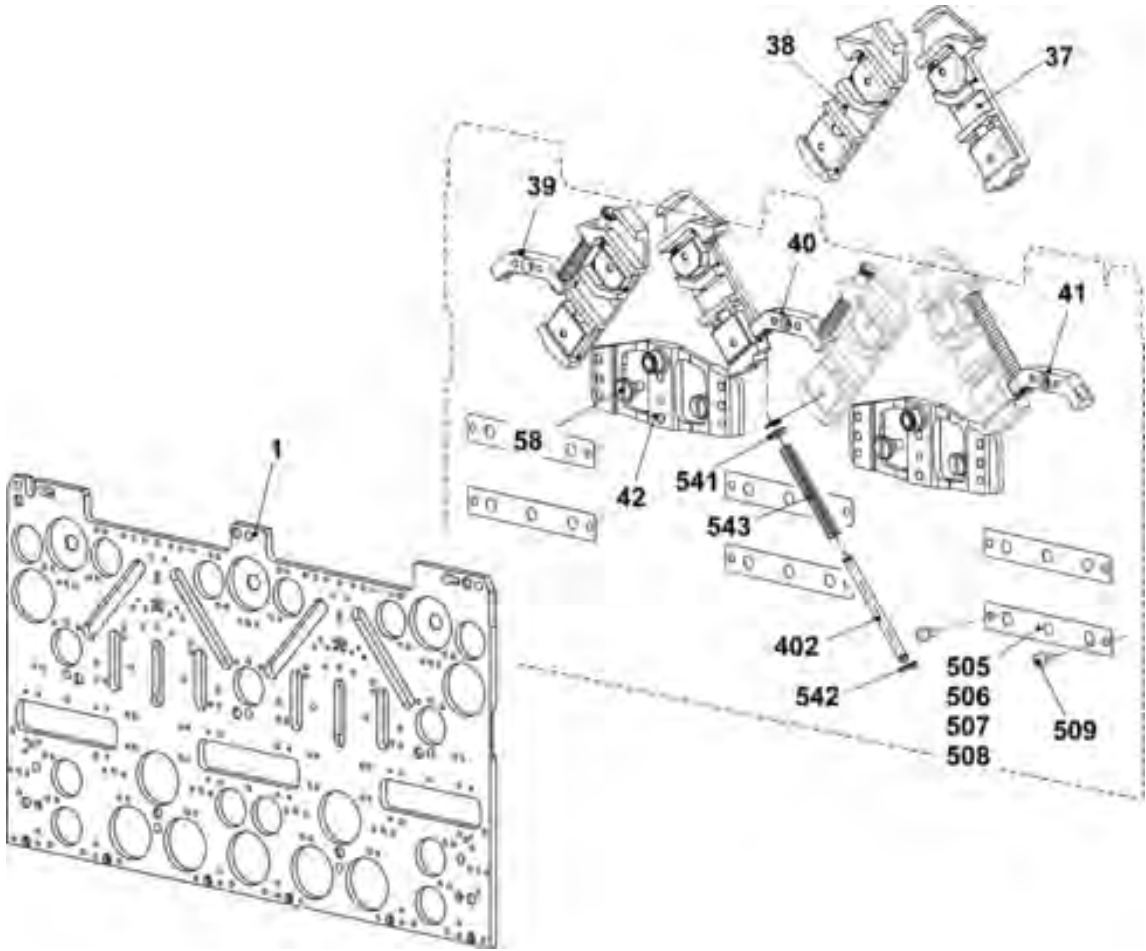
5.10.1 Cams E5 | E3,5.2 | E5.2 | E5m.4 | E7m.5

Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left	213 304		22	Selection cam on the right	212 947
3	Entry cam on the right	213 303		23	Selection cam	212 946
4	Entry cam at the top	210 285		24	Pressure part take-over on the left	239 848
5	Entry cam in the middle at the bottom E2,5.2 E3,5.2	235 719		25	Pressure part take-over on the right	239 849
6	Plate on the left	230 988		26	Tuck pressure part	239 621
7	Plate in the middle	231 035		27	Limit cam on the left E5	210 289
8	Plate on the right	231 036		28	Limit cam on the right E5	210 290
9	Cam on the left	231 039		29	Pointer E2,5.2 E3,5.2	229 505
10	Cam part at the right	231 041		30	Screw	210 335
11	Cam part at the center	231 040		31	Stitch cam on the left E2,5.2 E3,5.2	235 712
12	Cam part	227 923		32	Stitch cam on the right E2,5.2 E3,5.2	235 713
13	Cam part	210 254		33	Tuck limit cam E5	214 051
14	Cam on the left E5-14	212 265		34	Raising cam plate E4-12	204 372
15	Cam on the right E5-14	212 266		35	Receiving cam E5	210 386
16	Cam on the left	236 192		36	Raising cam without split-stitch E5	213 302
17	Cam part at the right	236 193			Raising cam with split-stitch E5 Accessories	213 294
18	Cam on the left E5-14	212 274		48	Cam on the right E5-14	212 275
19	Cam part	210 252		49	Entry cam on the left bottom E5-8	235 718
20	Offering cam	210 185		50	Entry cam on the right at the bottom E5-8	235 720
21	Selection cam on the left	212 944		500	Cap screw M4x8	020 091



5.11 Cam box E7 | E8 | E7m.8 | E8m.7

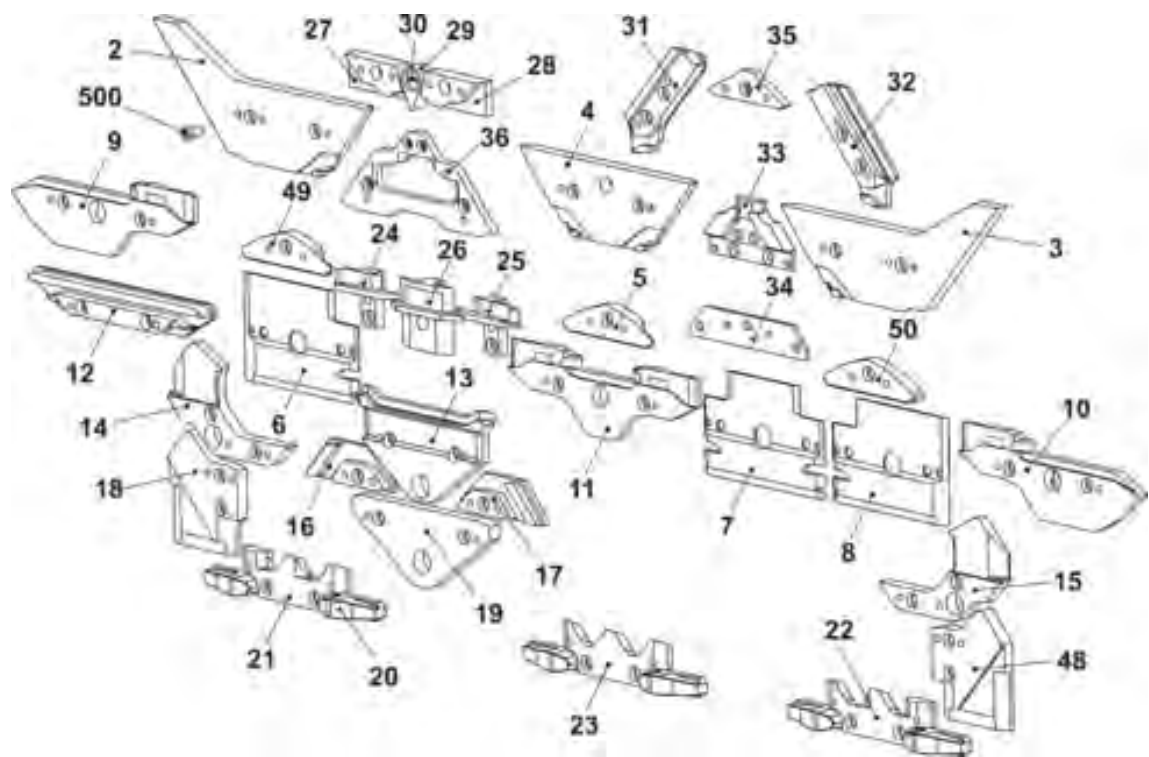
Pos	Designation		Id		Pos	Designation		Id
Σ	Cam box complete E7-8		243 133					
1	Cam plate		241 330		42	Switching piece		240 281
37	Stitch forming cam on the right complete E5-10		211 163		58	Shoulder screw		239 626
38	Stitch forming cam on the left complete E5-10		211 164		505	Shim 0.03x12x75		022 828
39	Rod guide element on the left		211 165		506	Shim 0,05x12x75		022 829
40	Rod guide element in the middle		211 166		507	Shim 0.1x12x75		022 830
41	Rod guide element on the right		211 168		508	Shim 0.2x12x75		022 831
	402	Spring rod	209 791		509	Countersunk screw M3x4		023 142
	541	Washer 4.3x7x0.5	022 153		Parts at the bottom of the cam box Cam box complete contains all parts for one carriage side			
	542	Circlip 3.2	021 019					
	543	Spring	023 344					



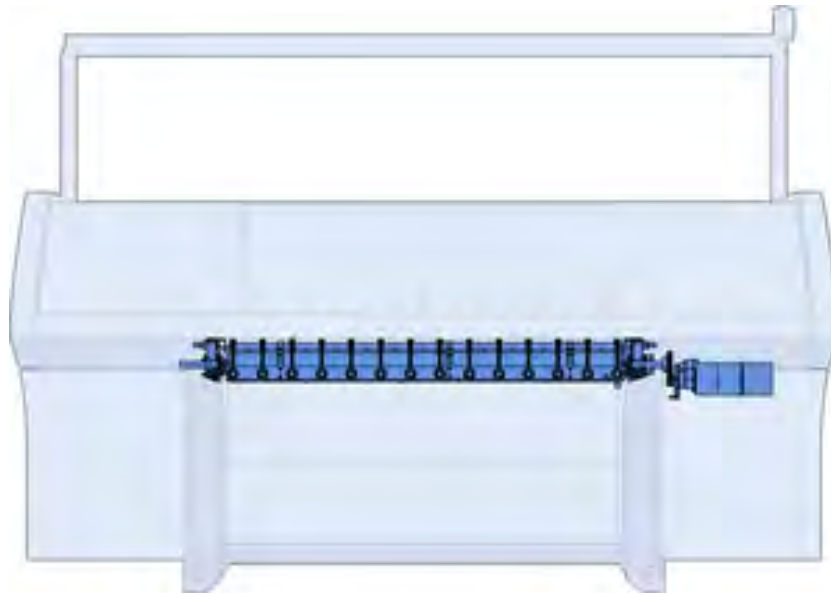
5.11 Cam box E7 | E8 | E7m.8 | E8m.7

5.11.1 Cams E7 | E8 | E7m.8 | E8m.7

Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left	213 304		23	Selector cam	212 946
3	Entry cam on the right	213 303		24	Pressure part take-over on the left	239 848
4	Entry cam at the top	210 285		25	Pressure part take-over on the right	239 849
5	Entry cam at the bottom E5-8	212 395		26	Tuck pressure part	239 621
6	Plate on the left	230 988		27	Limit cam on the left E7-8	210 291
7	Plate in the middle	231 035		28	Limit cam on the right E7-8	210 292
8	Plate on the right	231 036		29	Pointer E5-8	210 336
9	Cam on the left	231 039		30	Screw	210 335
10	Cam on the right	231 041		31	Stitch cam on the left E7-8	210 324
11	Cam in the middle	231 040		32	Stitch cam on the right E7-8	210 323
12	Cam	227 923		33	Tuck limit cam E7-8	255 056
13	Cam	210 254		34	Raising cam plate E4-12	204 372
14	Cam on the left E5-14	212 265		35	Receiving cam E7-8	210 339
15	Cam on the right E5-14	212 266		36	Raising cam part without split E7-8	255 055
16	Cam on the left	236 192			Raising cam with split E7-8 Accessories	255 192
17	Cam on the right	236 193		48	Cam on the right E5-14	212 275
18	Cam on the left E5-14	212 274		49	Entry cam on the left E5-8	213 161
19	Cam	210 252		50	Entry cam on the right E5-8	213 162
20	Offering cam	210 185		500	Cap screw M4x8	020 091
21	Selector cam on the left	212 944				
22	Selector cam on the right	212 947				

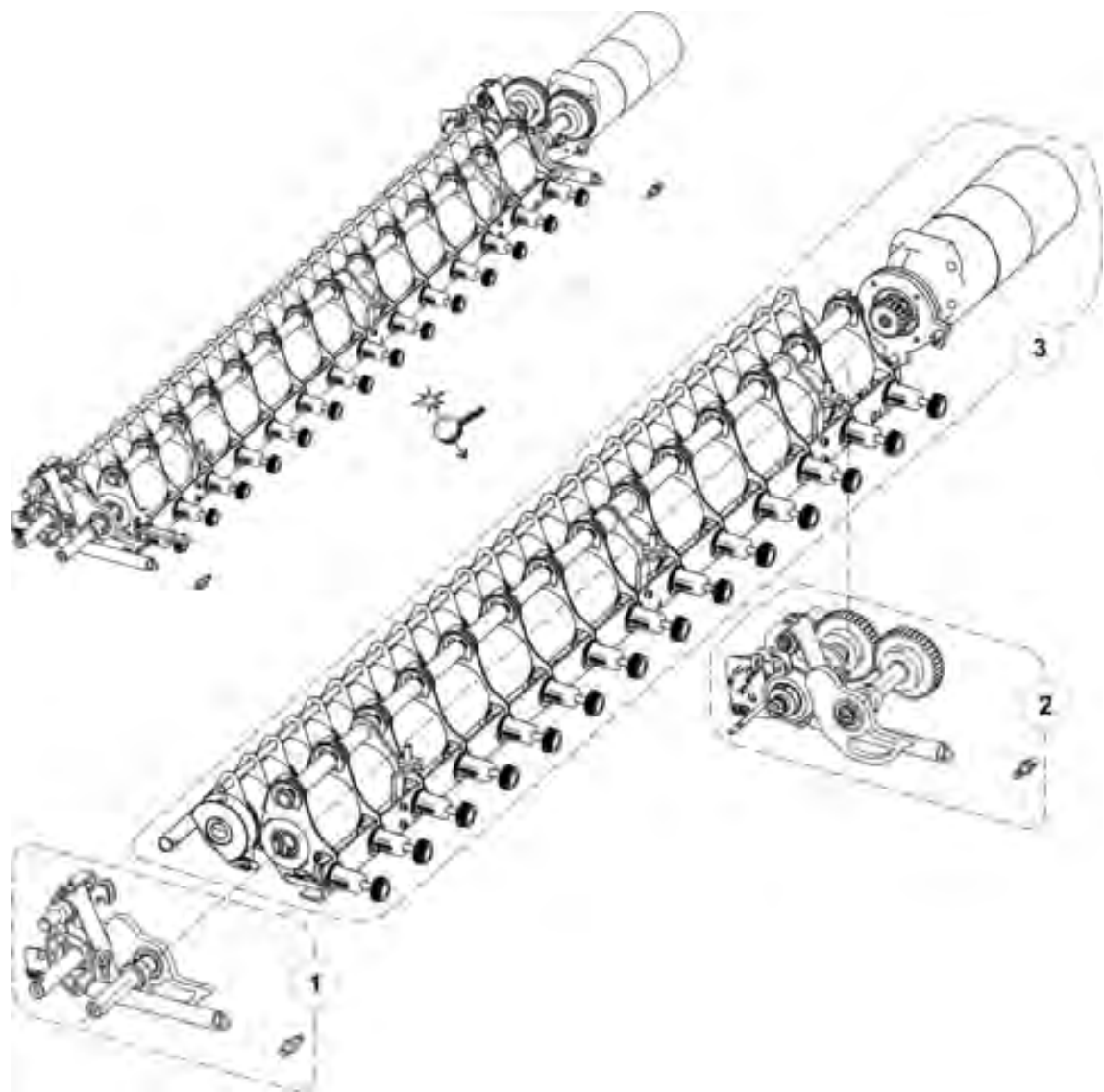


6 Main take-down



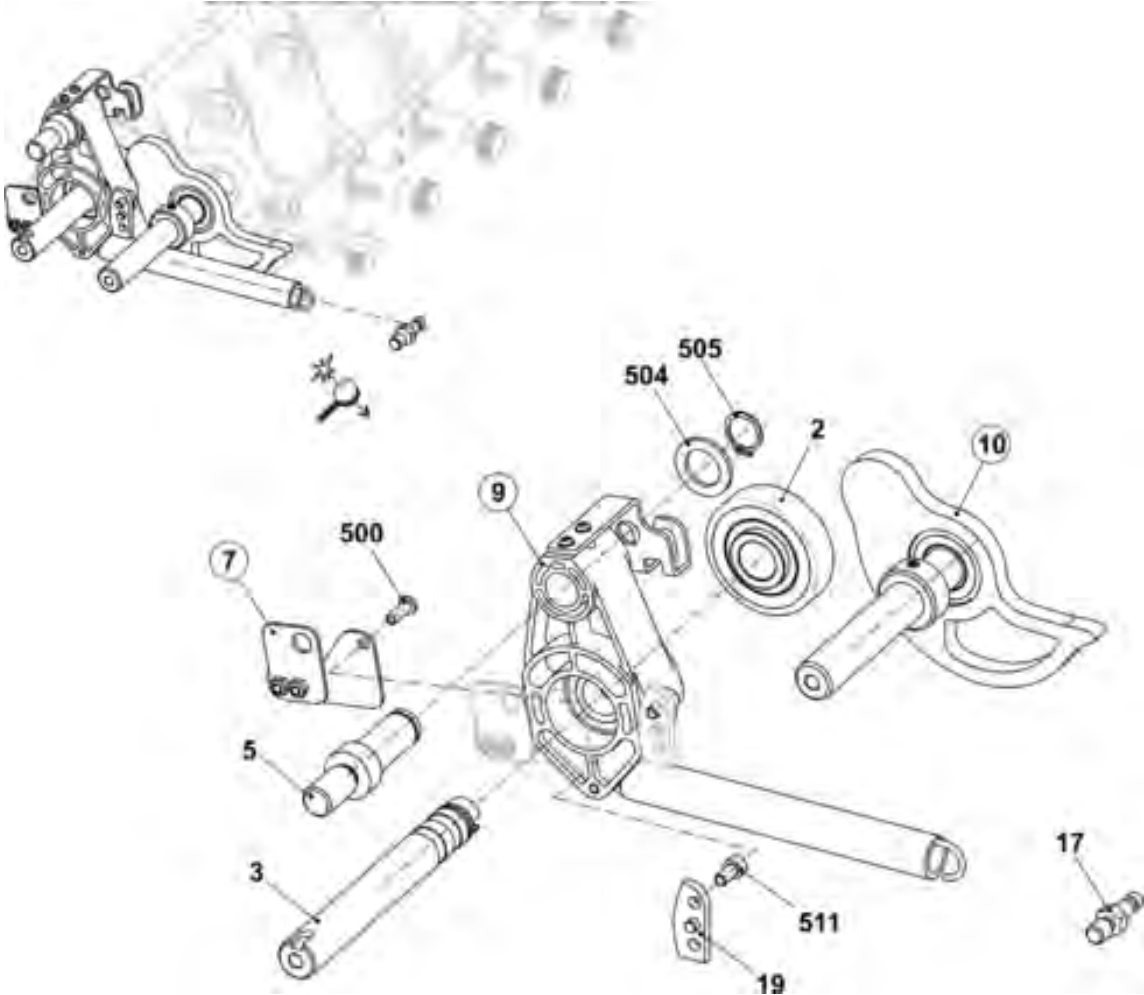
6.1 Main take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down		2	Main take-down on the right	253 852
1	Main take-down on the left	253 851	3	Main take-down in the middle E5-14	253 525



6.1.1 Main take-down on the left

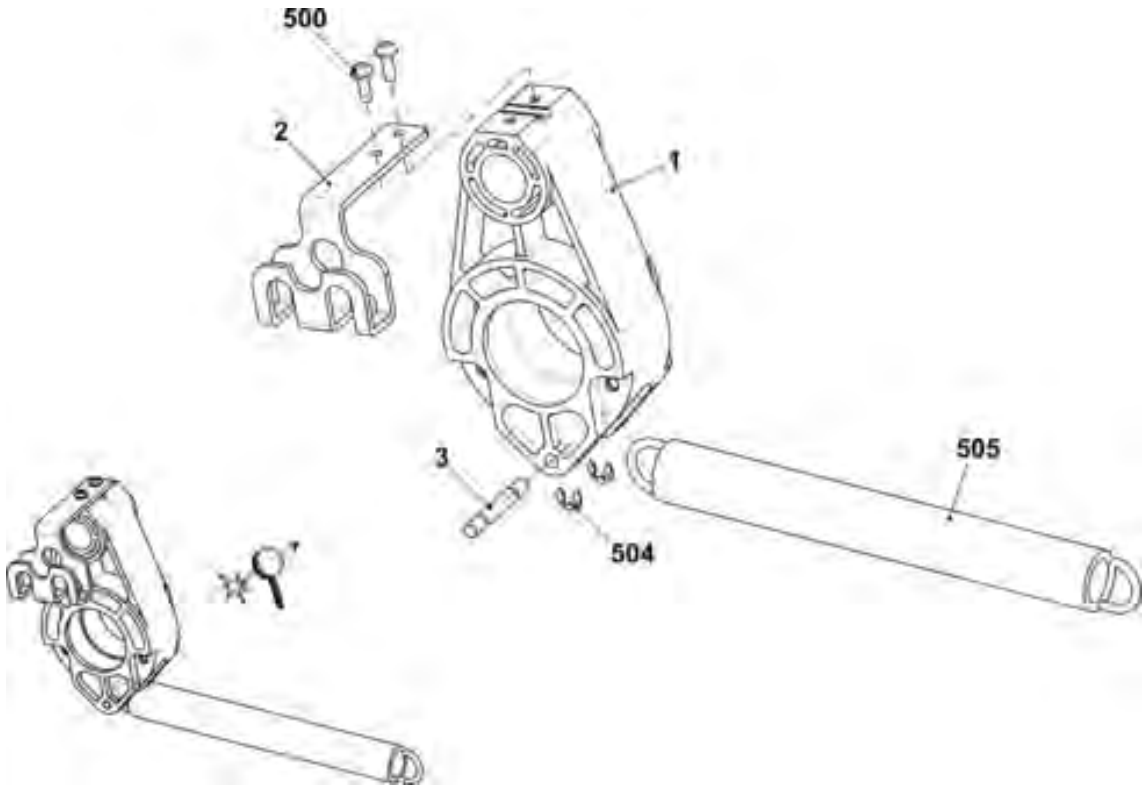
Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down on the left	253 851				
2	Bearing race complete	244 459		17	Spring bolt	221 143
3	Shaft on the left at the rear	221 012		19	Stop point	252 503
5	Bolt	208 538		500	Screw 50x15	251 728
7	Mounting plate on the left complete	231 725		504	U-washer 18	023 295
9	Swivel-mounted bearing	251 761		505	Locking ring 18x1.2	020 955
10	Floating axle on the left	251 984		511	Cap screw M6x12	020 134



6.1 Main take-down

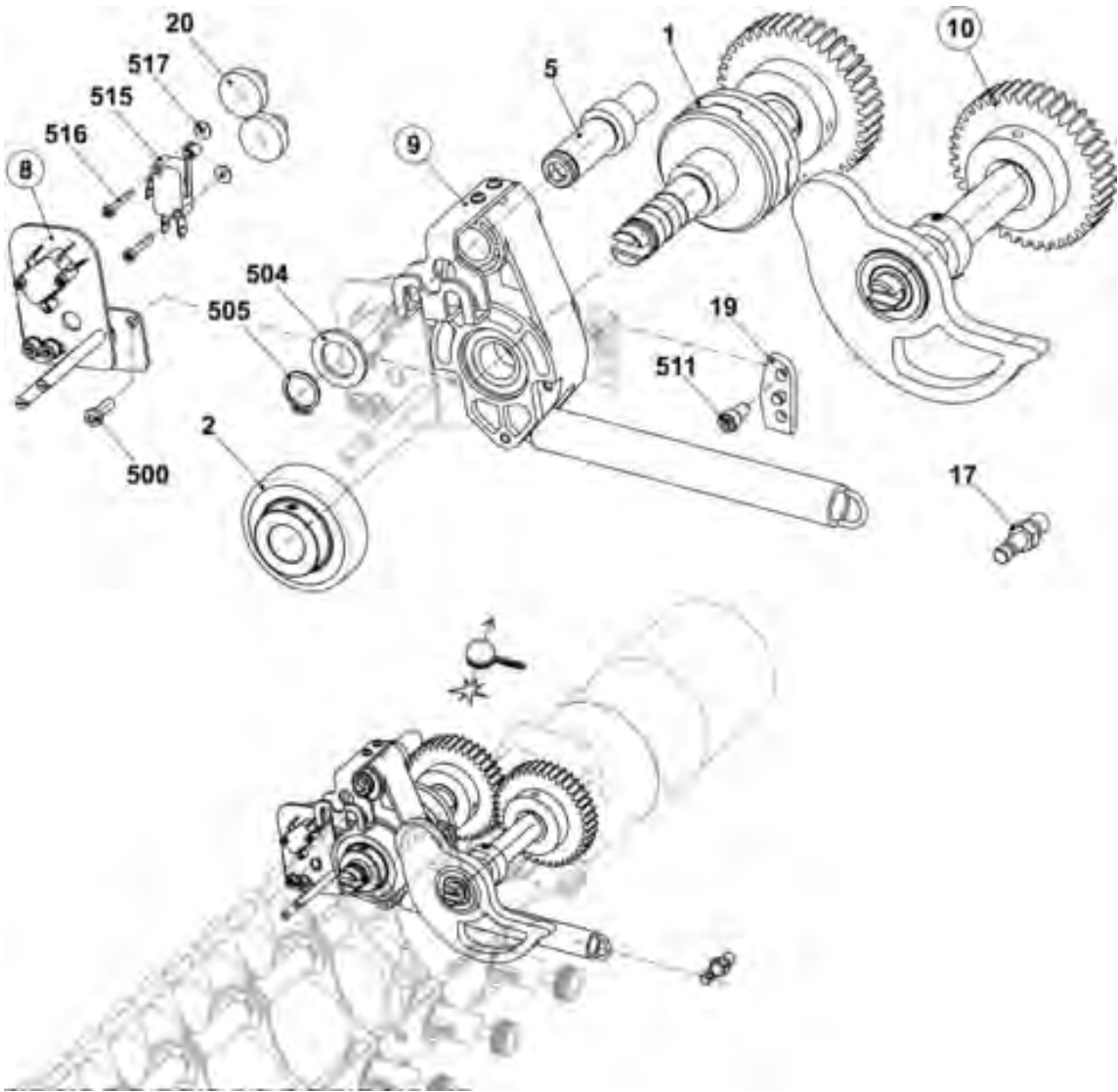
6.1.1.1 Swivel-mounted bearing

Pos	Designation	Id		Pos	Designation	Id
Σ	Swivel-mounted bearing	251 761				
1	Swivel-mounted bearing	241 996		500	Screw M35x10	251 729
2	Sheet metal support	251 749		504	Circlip 4	021 020
3	Axle	251 758		505	Tension spring 8x0.9x75	240 217



6.1.2 Main take-down on the right

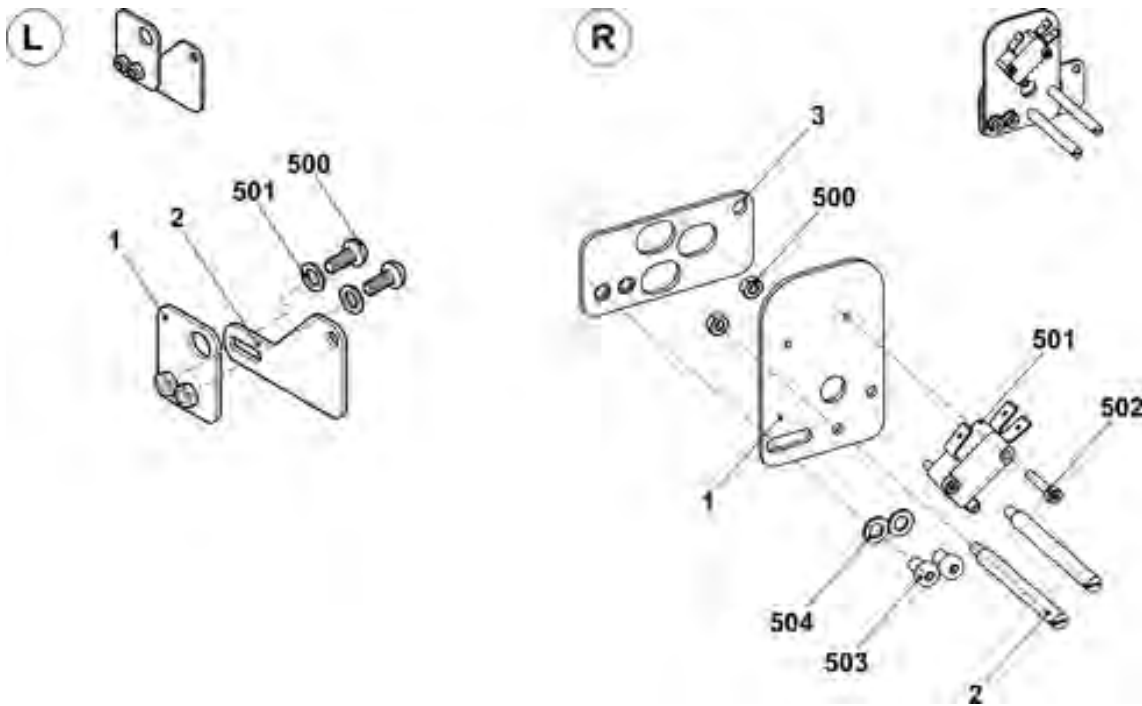
Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down on the right	253 852				
1	Clutch set	251 677		20	Threaded bushing	222 522
2	Bearing race complete	244 459		500	Screw 50x15	251 728
5	Bolt	208 538		504	U-washer 18	023 295
8	Mounting plate on the right complete	240 069		505	Locking ring 18x1.2	020 955
9	Swivel-mounted bearing	251 761		511	Cap screw M6x12	020 134
10	Floating axle on the right	251 985		515	Microswitch Xgk2-s21 250	210 510
17	Spring bolt	221 143		516	Cap screw M3x20	023 221
19	Stop point	252 503		517	U-washer 3	023 657



6.1 Main take-down

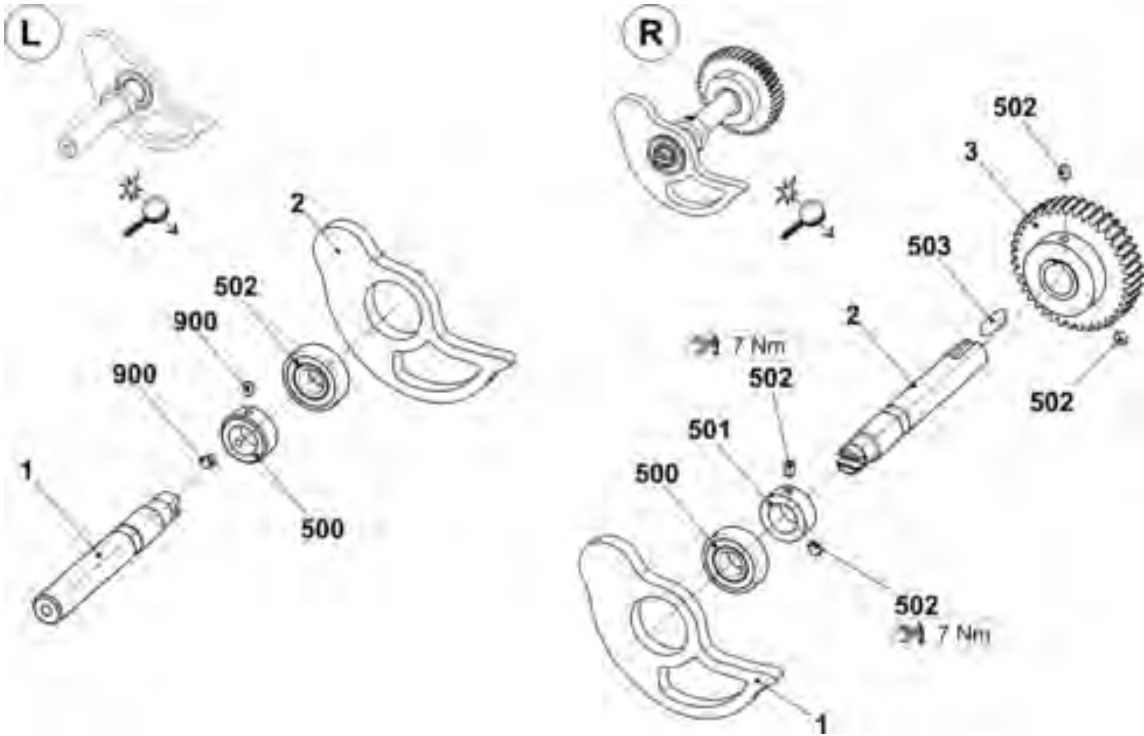
6.1.2.1 Mounting plate

Pos	Designation	Id		Pos	Designation	Id
Σ L	Mounting plate on the left complete	231 725		Σ R	Mounting plate on the right complete	240 069
1	Mounting plate on the left	231 541		1	Mounting plate on the right	240 068
2	Retaining plate on the left	231 539		2	Setscrew	240 067
500	Countersunk screw M5x10	023 247		3	Retaining plate on the right	240 066
501	Serrated lock washer J6.4	022 489		500	Hexagon nut M4-6	022 536
				501	Microswitch	026 259
				502	Cap screw M3X16	022 583
				503	Cap screw M5x8	244 278
				504	U-washer 5-200	020 871



6.1.2.2 Floating axle

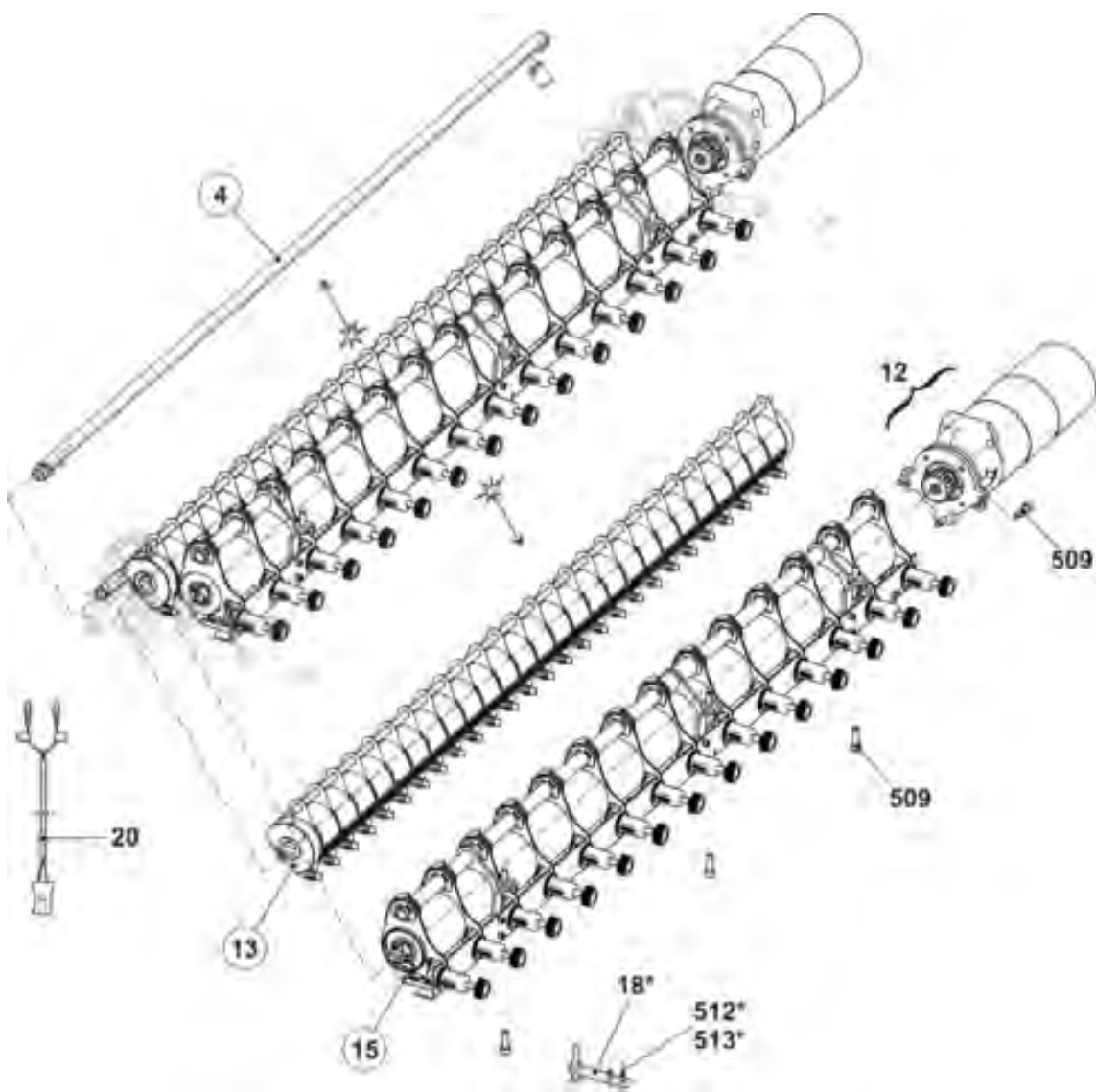
Pos	Designation	Id		Pos	Designation	Id
Σ L	Floating axle on the left	251 984		Σ R	Floating axle on the right	251 985
1	Shaft on the left at the front	221 013		1	Eccentric	251 959
2	Eccentric	251 959		2	Shaft on the right	223 393
500	Set collar	020 938		3	Gear wheel Z=40, M=2	213 744
502	Fitting freewheel ZZ6203L	023 294		500	Fitting freewheel ZZ6203L	023 294
900	Set screw M6x8	022 684		501	Set collar	020 938
				502	Set screw M6x8	022 684
				503	Feather key A 6x6x25	023 017



6.1 Main take-down

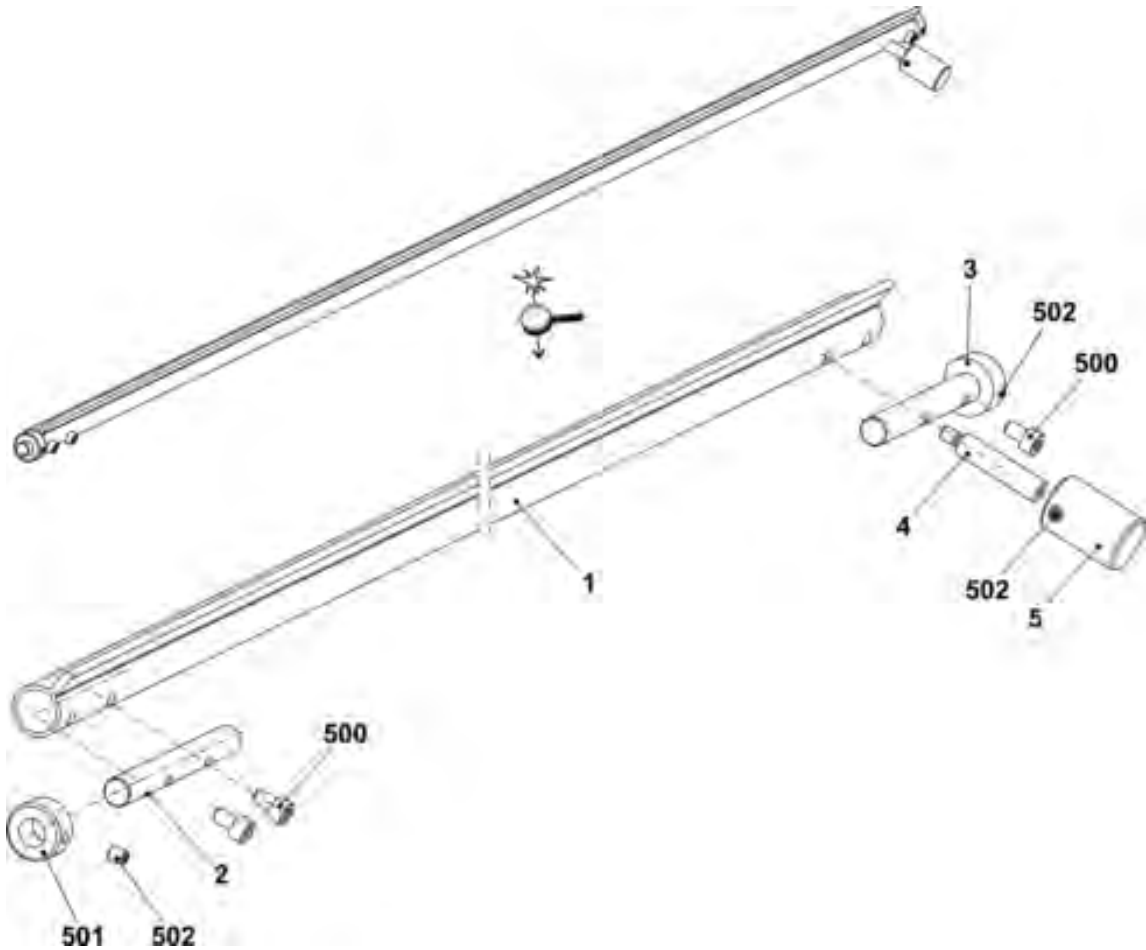
6.1.3 Main take-down in the middle

Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down in the middle E5-14	253 525		20	Connection cable winding plate	241 703
4	Stripper angle at the rear complete	240 125		509	Cap screw M8X25	020 142
12	Motor take-down unit complete	253 803		18*	Stop point	253 432
13	Take-down roller at the rear complete E5-14	253 853		512*	U-washer 6	020 881
15	Take-down roller at the front complete	241 426		513*	Countersunk screw M6x16	023 124



6.1.3.1 Stripper angle

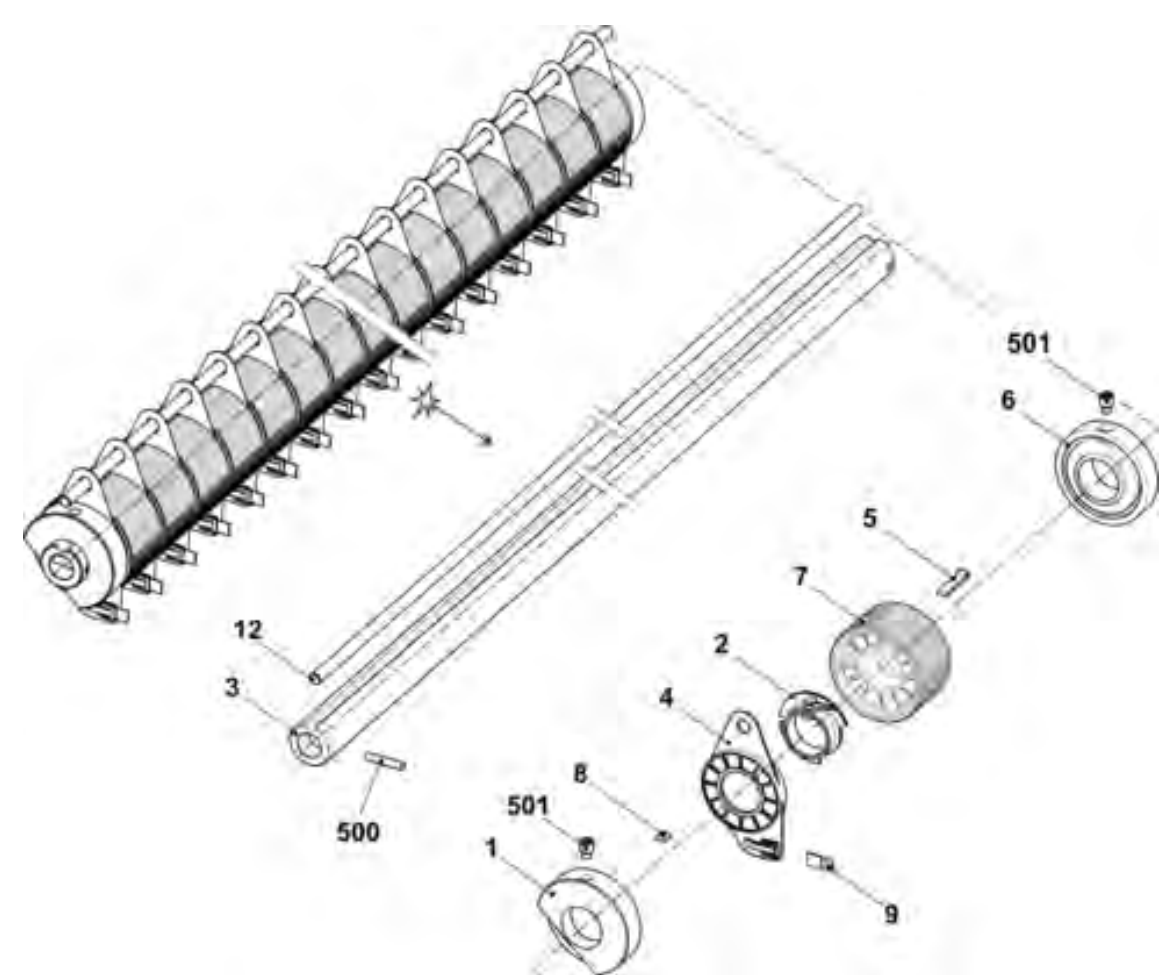
Pos	Designation	Id		Pos	Designation	Id
Σ	Stripper angle at the rear complete	240 125				
1	Stripper angle	240 126		5	Adjustment weight	229 248
2	Shaft	240 127		500	Cap screw M5x8	023 319
3	Cam	209 278		501	Set collar	020 934
4	Bolt	228 310		502	Set screw M5x6	022 738



6.1 Main take-down

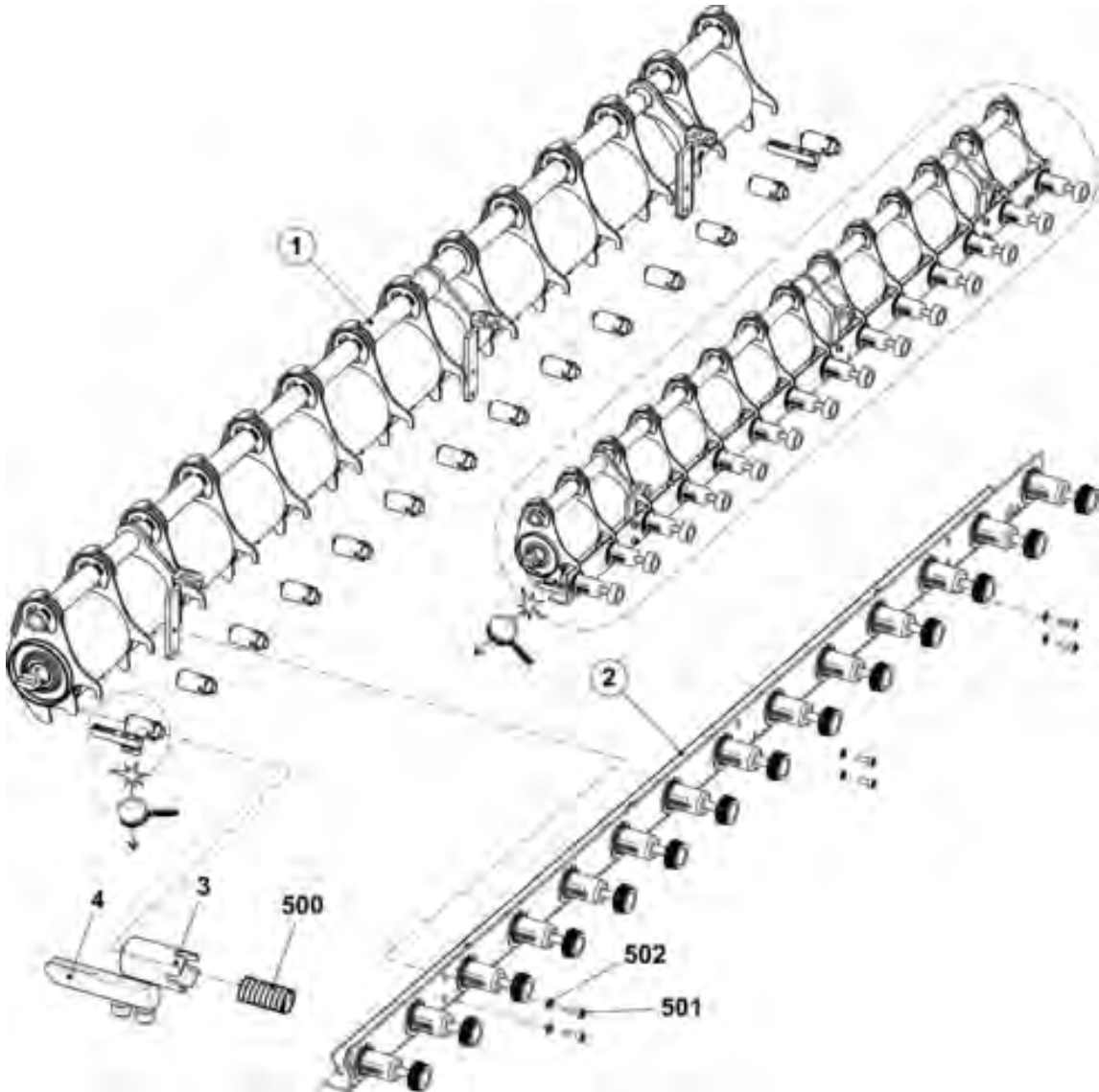
6.1.3.2 Rear take-down roller

Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller at the rear complete E5-14	253 853				
1	Ring on the left	250 573		7	Roller E5-14	206 770
2	Stop ring on the left	204 369		8	Spacer slide	222 062
3	Shaft	221 011		9	Brush	225 819
4	Stripper	241 612		12	Rod	253 301
5	Spacer slide	240 104		500	Setting pin 6x32	020 685
6	Ring on the right	250 574		501	Set screw M10x15	020 635



6.1.3.3 Front take-down roller

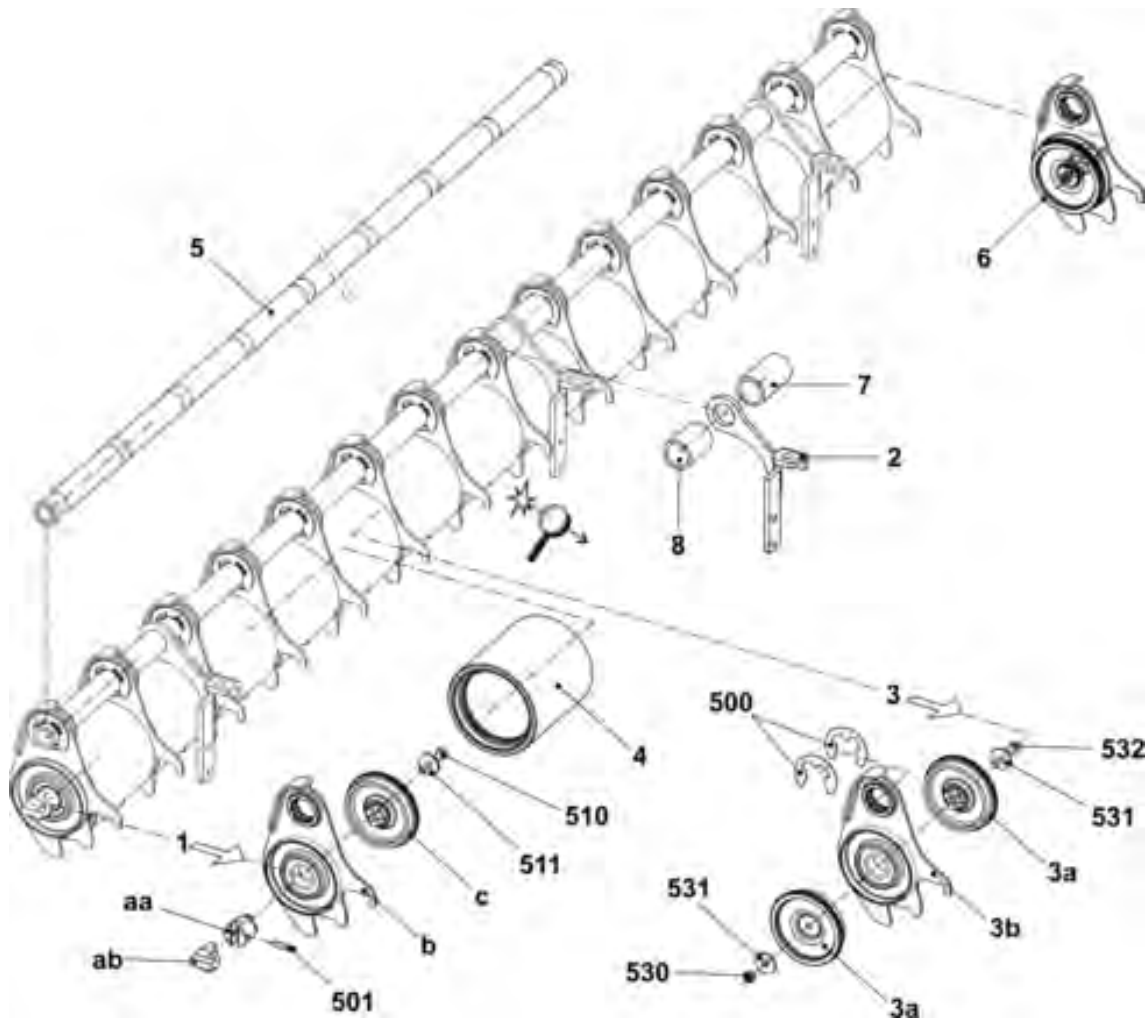
Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller at the front complete	241 426		4	Fixed piece	221 935
1	Take-down roller at the front	221 243		500	Compression spring 1x10x30	023 741
2	Angle rail complete	241 425		501	Cap screw M5x12	020 132
3	Pressure sleeve	220 911		502	U-washer 5-200	020 880



6.1 Main take-down

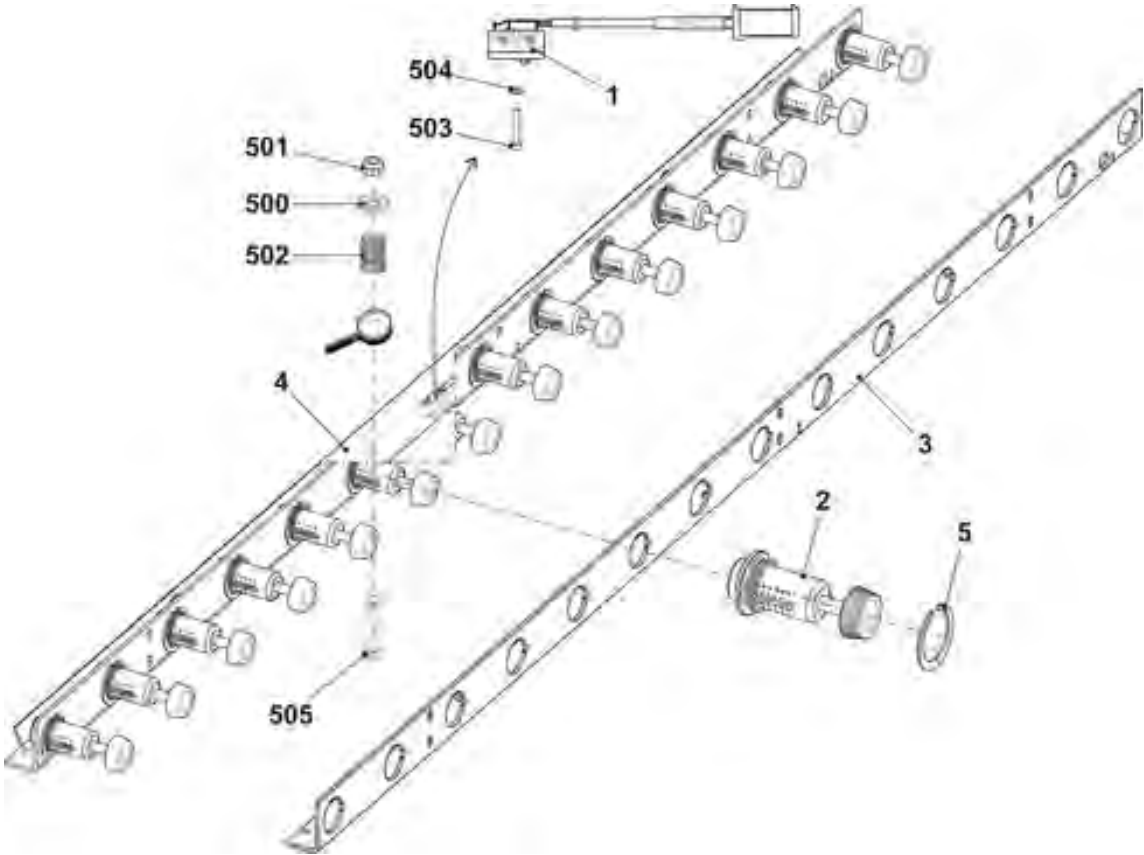
6.1.3.3.1 Front roller elements

Pos	Designation		Id		Pos	Designation		Id
Σ	Take-down roller at the front		221 243					
1	Bearing support on the left complete		221 225		4	Roller		220 905
	aa	Universal joint	221 137		5	Tube		221 092
	from	adaptor	221 132		6	Bearing support on the right complete		221 240
	b	Bearing support	220 913			aa	Universal joint	221 137
	c	Gear wheel	220 910			from	adaptor	221 132
	501	Spring dowel sleeve 4x20	023 551			b	Bearing support	220 913
	510	Cap screw M5x20	020 133			c	Gear wheel	220 910
	511	U-washer 5	023 542			501	Spring dowel sleeve 4x20	023 551
2	Support		251 557			510	Cap screw M5x20	020 133
						511	U-washer 5	023 542
3	Bearing support complete		221 241		7	Distance pipe on the right		253 407
	3b	Bearing support	220 913		8	Distance pipe on the left		253 408
	3a	Gear wheel	220 910		500	Circlip		021 025
	530	Hexagon nut M5	023 541					
	531	Washer 5-100hv	023 542					
	532	Cap screw M5x30	022 396					



6.1.3.3.2 Pressure angle rail

Pos	Designation	Id		Pos	Designation	Id
Σ	Angle rail complete	241 425		500	U-washer 6-200	022 431
1	Switch complete with cable	221 265		501	Hexagon nut M5-8	023 541
2	Spring flange	242 327		502	Compression spring 0.8x9.2x27.5	023 537
3	Angle rail	241 773		503	Cap screw M2x12	023 522
4	Winding plate	221 101		504	U-washer 2-200	022 908
5	Locking ring	242 325		505	Shoulder screw M5x20x5	023 675



Notes:

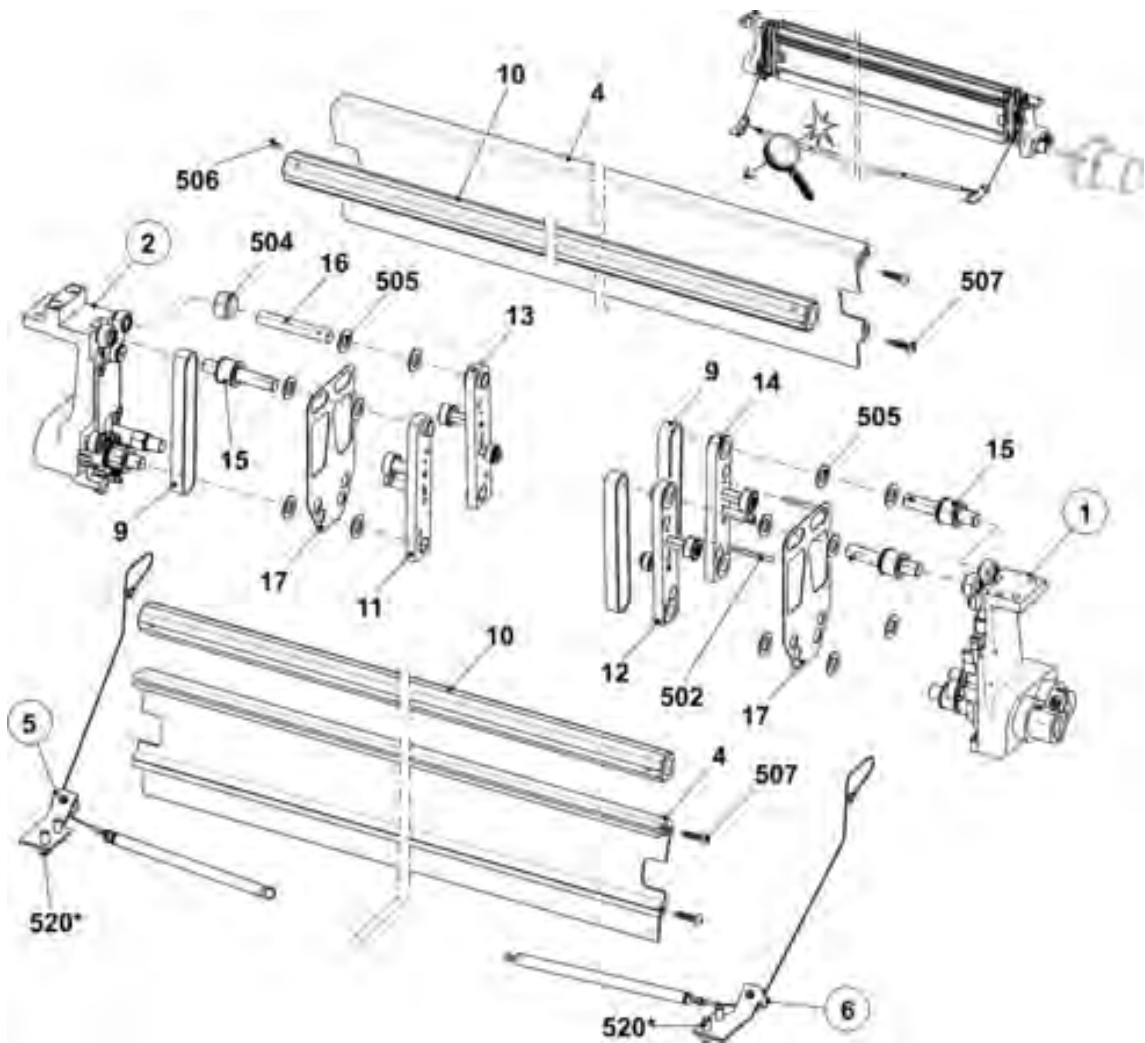
7 Auxiliary take-down



7.1 Auxiliary take-down pre-assembled

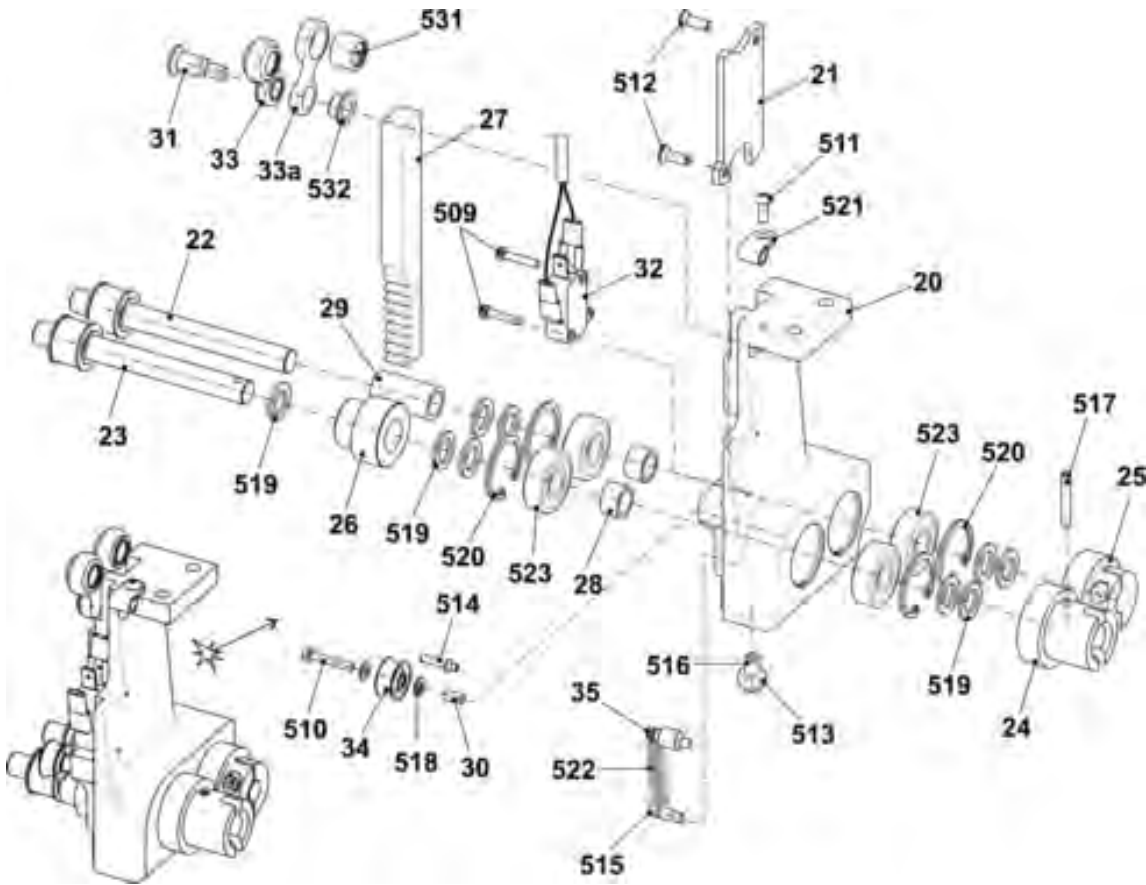
7.1 Auxiliary take-down pre-assembled

Pos	Designation	Id	Pos	Designation	Id
Σ	Auxiliary take-down pre-assembled	254 061			
1	Bearing on the right complete	239 996	14	Lever at the rear on the right	227 260
2	Bearing on the left complete	239 999	15	Toothed belt disk complete	226 708
4	Guide plate	213 362	16	Bolt	227 914
5	Angular sheet metal on the left complete	225 013	17	Protective plate	225 754
6	Angular sheet metal on the right complete	225 014	502	Shoulder screw M3x27x32	023 634
9	Toothed belt 10T5/260	208 832	504	Set collar	020 934
10	Take-down roller	224 891	505	Stop disc	023 646
11	Lever at the front on the left	227 263	506	Spring dowel sleeve 3x20	020 776
12	Lever at the front on the right	227 262	507	Sheet metal screw St4.8x22-	023 259
13	Lever at the rear on the left	227 261	520*	Cap screw M6x12	020 134



7.1.1 Right bearing of the auxiliary take-down

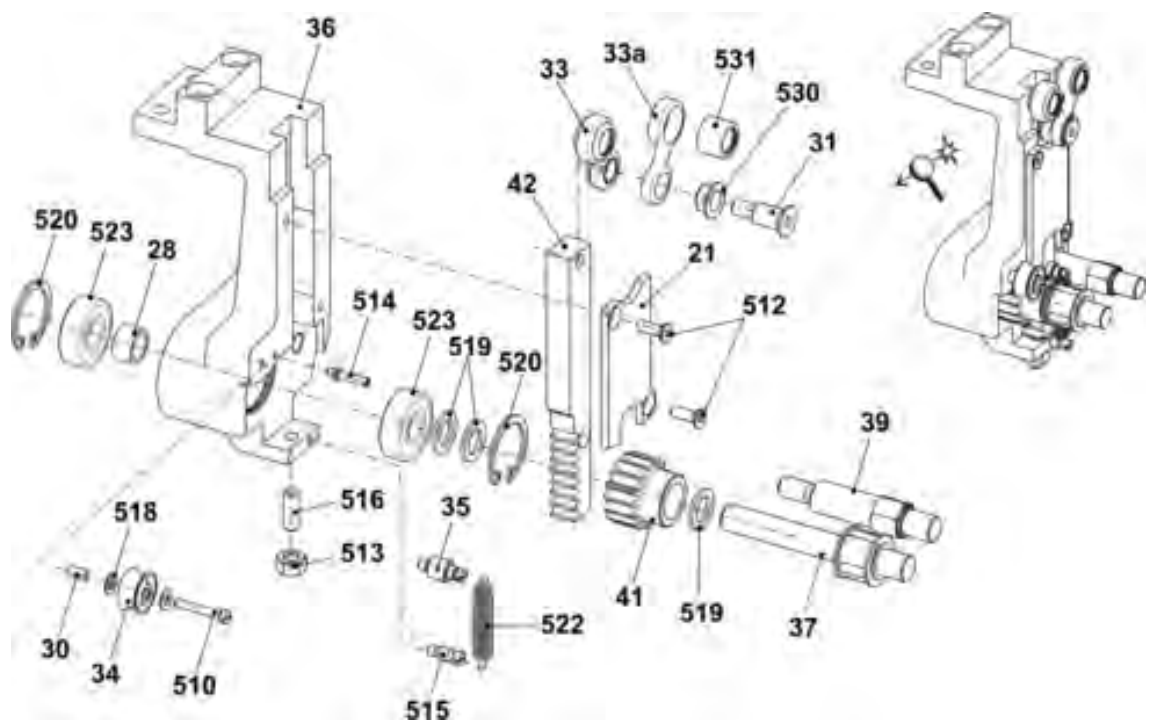
Pos	Designation	Id		Pos	Designation	Id
Σ	Bearing on the right complete					
20	Bearing block on the right	239 967		34	Roller deflector	218 805
21	Cover	224 881		35	Shoulder screw	239 215
22	Drive shaft complete	227 857		500	Shoulder screw M3x16	022 560
23	Drive shaft complete	227 853		510	Cap screw M3x20	022 448
24	Gear wheel M=1.5, Z=20	213 880		511	Countersunk screw M4x10	023 450
25	Gear wheel M=1.5, Z=20	210 504		512	Countersunk head screw M4x12	023 062
26	Gear wheel on the right complete	218 524		513	Hexagon nut M6-6	020 836
27	Gear rack on the right	239 218		514	Threaded bolt with shoulder	243 226
28	Spacer	229 683		515	Shoulder screw M4x9x14	020 602
29	Sleeve	227 257		516	Set screw M6x16-45	023 092
30	Sleeve	239 997		517	Spiral pin 4x24	023 544
31	Collar bolt	210 551		518	Adjusting washer 4x8x0.5	023 384
32	Cable with switch auxiliary take-down	243 142		519	Adjusting washer 10x16x1.5	023 261
33	Connecting rod complete	226 710		520	Locking ring 26x1.2	023 359
	33a	Connecting rod	226 696	521	Cable clip 225/5.2	008 335
	531	Needle roller bearing HK1010	023 664	522	Tension spring 7.5x0.7x28	023 595
	532	Slide bearing GFM-081014-06	023 358	523	Grooved ball bearing 6000-2	022 599



7.1 Auxiliary take-down pre-assembled

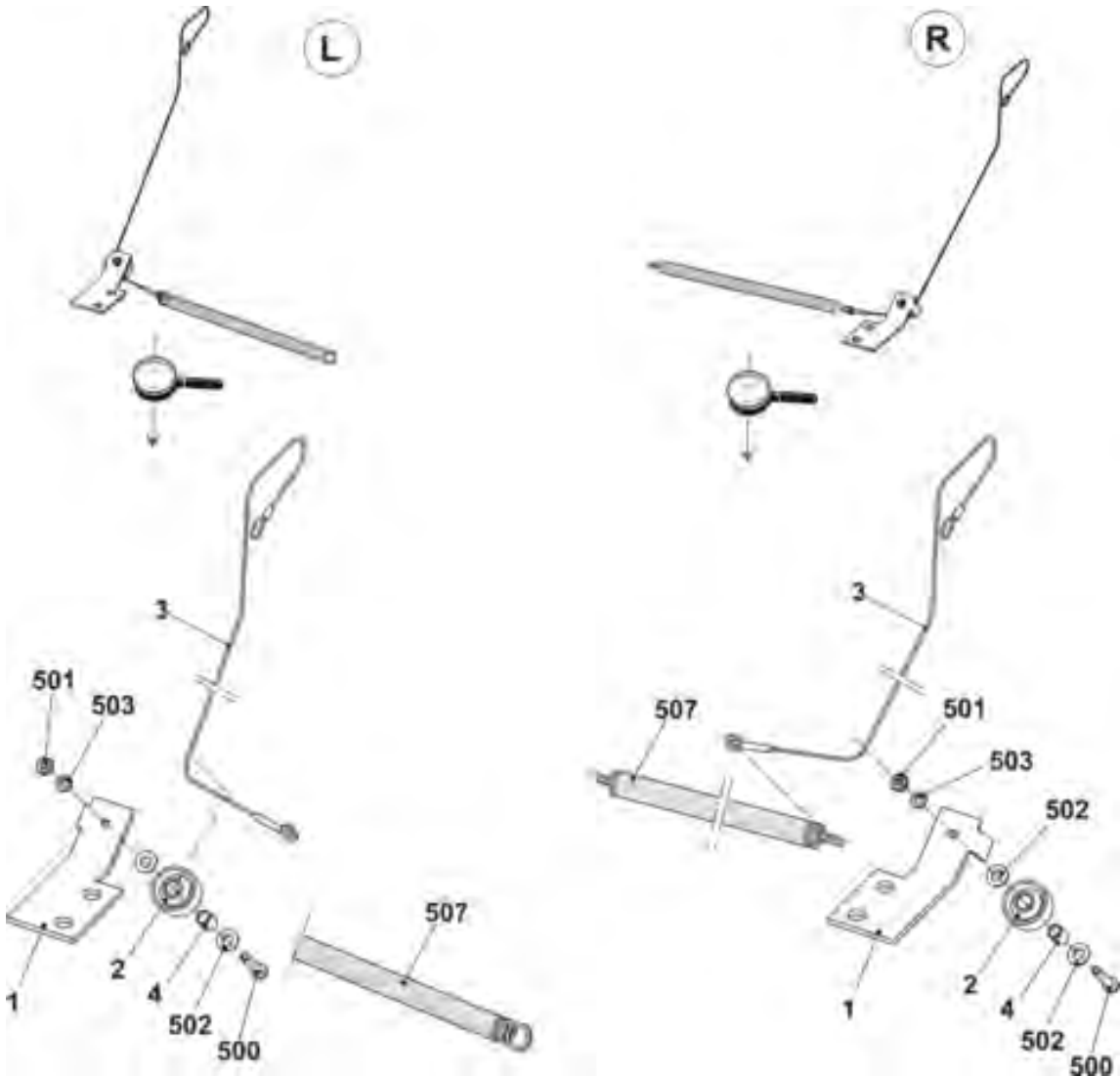
7.1.2 Left bearing of the auxiliary take-down

Pos	Designation	Id		Pos	Designation	Id
Σ	Bearing on the left					
21	Cover	224 881		41	Gear wheel on the left complete	218 523
28	Spacer	229 683		42	Gear rack on the left	239 216
30	Sleeve	239 997		510	Cap screw M3x20	022 448
31	Collar bolt	210 551		512	Countersunk head screw M4x12	023 062
33	Connecting rod complete			513	Hexagon nut M6-6	020 836
	33a	Connecting rod	226 696	514	Threaded bolt with shoulder	243 226
	530	Slide bearing GFM-081014-06	023 358	515	Shoulder screw M4x9x14	020 602
	531	Needle roller bearing HK1010	023 664	516	Set screw M6x16-45	023 092
34	Roller deflector	218 805		518	Adjusting washer 4x8x0.5	023 384
35	Shoulder screw	239 215		519	Adjusting washer 10x16x1.5	023 261
36	Bearing block on the left	240 001		520	Locking ring 26x1.2	023 359
37	Drive shaft complete	227 887		522	Tension spring 7.5x0.7x28	023 595
39	Bolt	226 705		523	Grooved ball bearing 6000-2	022 599



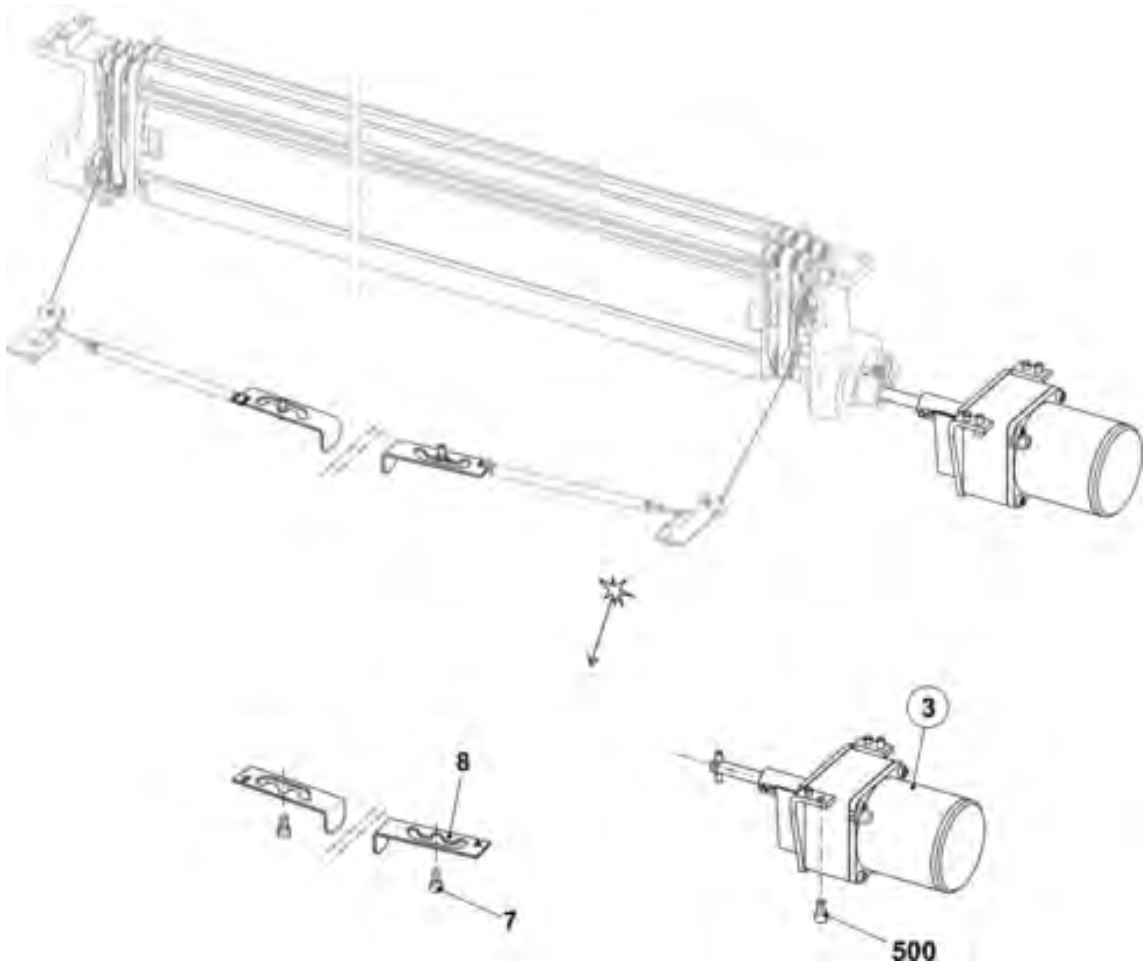
7.1.3 Angular sheet metal on the left and right complete

Pos	Designation	Id		Pos	Designation	Id
Σ L	Angular sheet metal on the left complete	225 013		Σ R	Angular sheet metal on the right complete	225 014
1	Angular sheet metal on the left	224 920		1	Angular sheet metal on the right	224 931
2	Roller deflector	218 805		2	Roller deflector	218 805
3	Fine rope	224 977		3	Fine rope	224 977
4	Sleeve	227 867		4	Sleeve	227 867
500	Shoulder screw M3x16	022 560		500	Shoulder screw M3x16	022 560
501	Hexagon nut M3-6	022 564		501	Hexagon nut M3-6	022 564
502	Adjusting washer 4x8x0.5	023 384		502	Adjusting washer 4x8x0.5	023 384
503	Spring washer A3	021 005		503	Spring washer A3	021 005
507	Tension spring 8x0,9x75	021 287		507	Tension spring 8x0,9x75	021 287



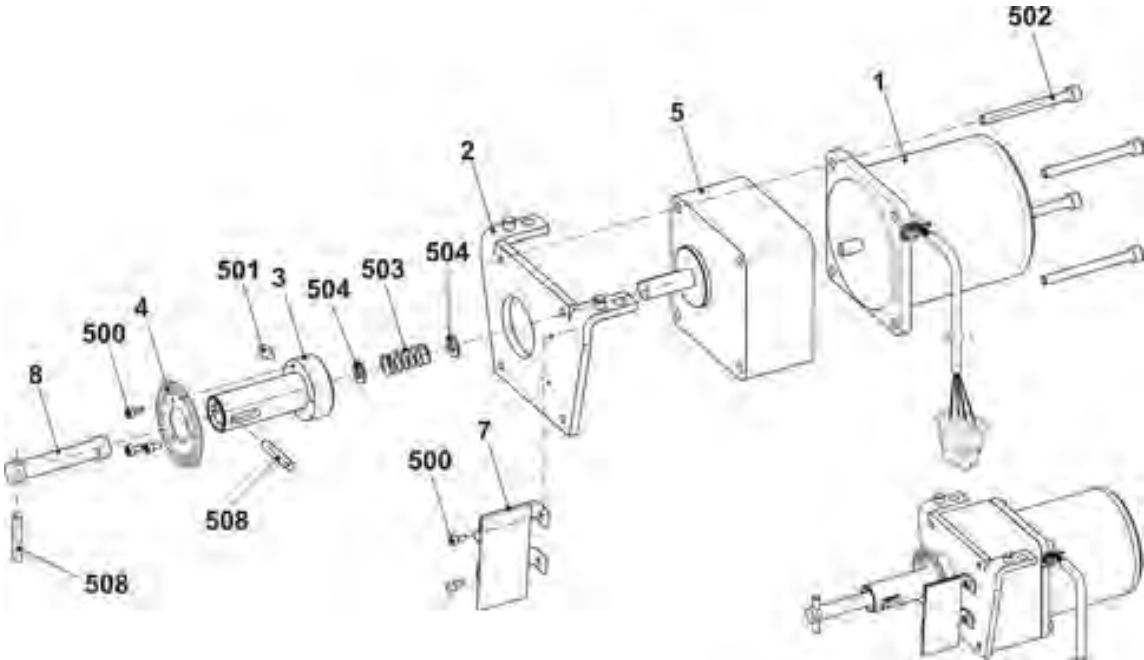
7.2 Take-down in the middle

Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down in the middle	254 062				
3	Take-down motor complete auxiliary take-down	214 449		8	Detent plate	222 040
7	Shoulder screw	207 101		500	Cap screw M6x12	020 134



7.3 Motor

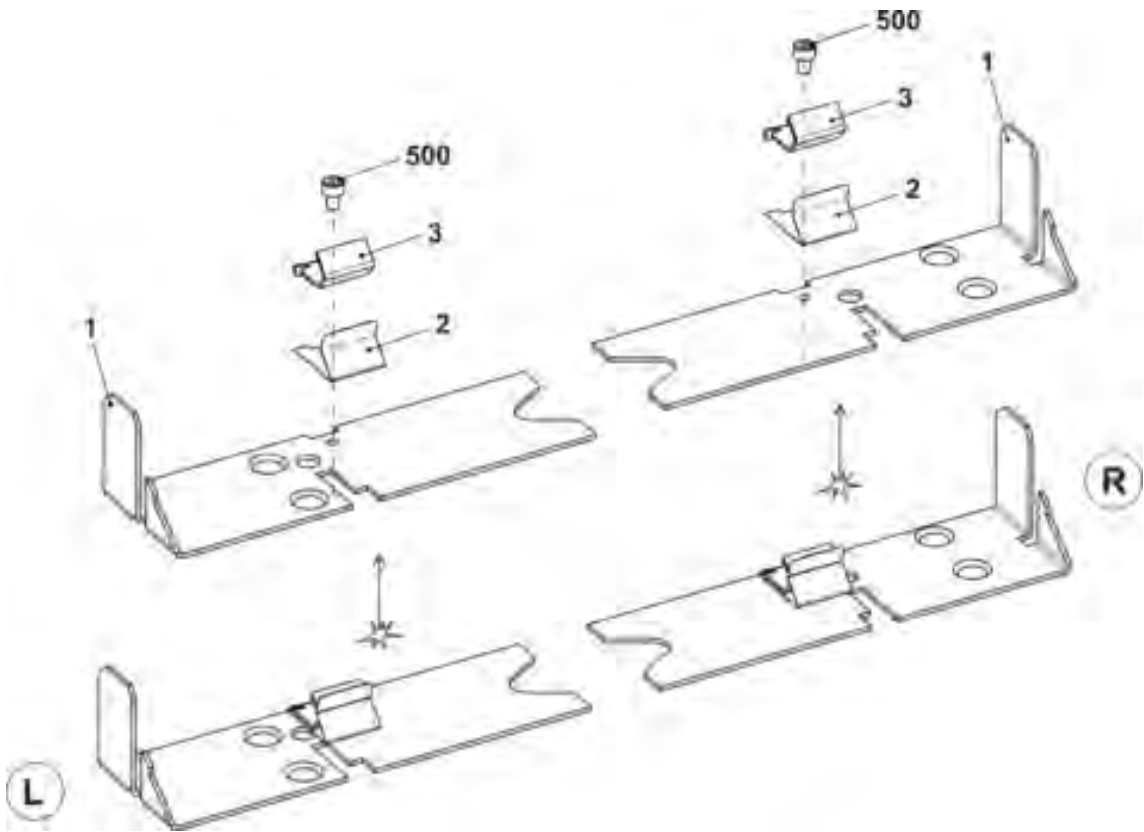
Pos	Designation	Id		Pos	Designation	Id
Σ	Motor auxiliary take-down complete	214 449		8	Shaft	219 025
1	Motor auxiliary take-down	213 871		500	Cap screw M3x6	022 589
2	Motor bracket	218 040		501	Set screw M6x10	023 543
3	Drive sleeve	219 024		502	Cap screw M5x55	023 321
4	Impulse disc	218 449		503	Compression spring 0.63x10.97x40	023 500
5	Gear 4GN36K	220 353		504	Adjusting washer 6x12x1	023 444
7	Photoelectric sensor Auxiliary take-down	217 462		508	Dowel pin 5x28	241 686



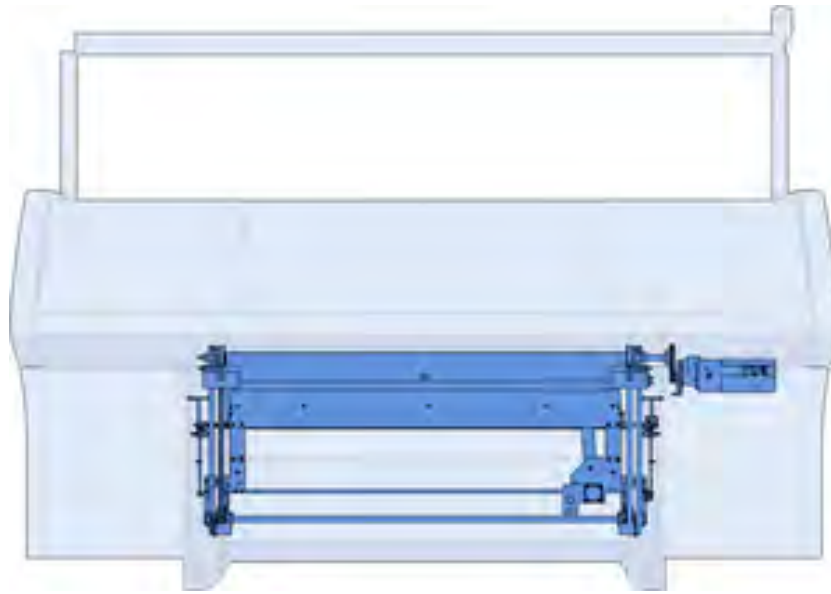
7.4 Yarn brake at clamping/cutting bed

7.4 Yarn brake at clamping/cutting bed

Pos	Designation	Id		Pos	Designation	Id
Σ L	Yarn brake on the left	256 740		Σ R	Yarn brake on the right	256 715
1	Cover on the left	256 739		3	Cover on the right	256 714
2	Leaf spring	256 712		1	Leaf spring	256 712
3	Test clamping plate	256 713		2	Test clamping plate	256 713
500	Cap screw M4X6	023 067		500	Cap screw M4X6	023 067

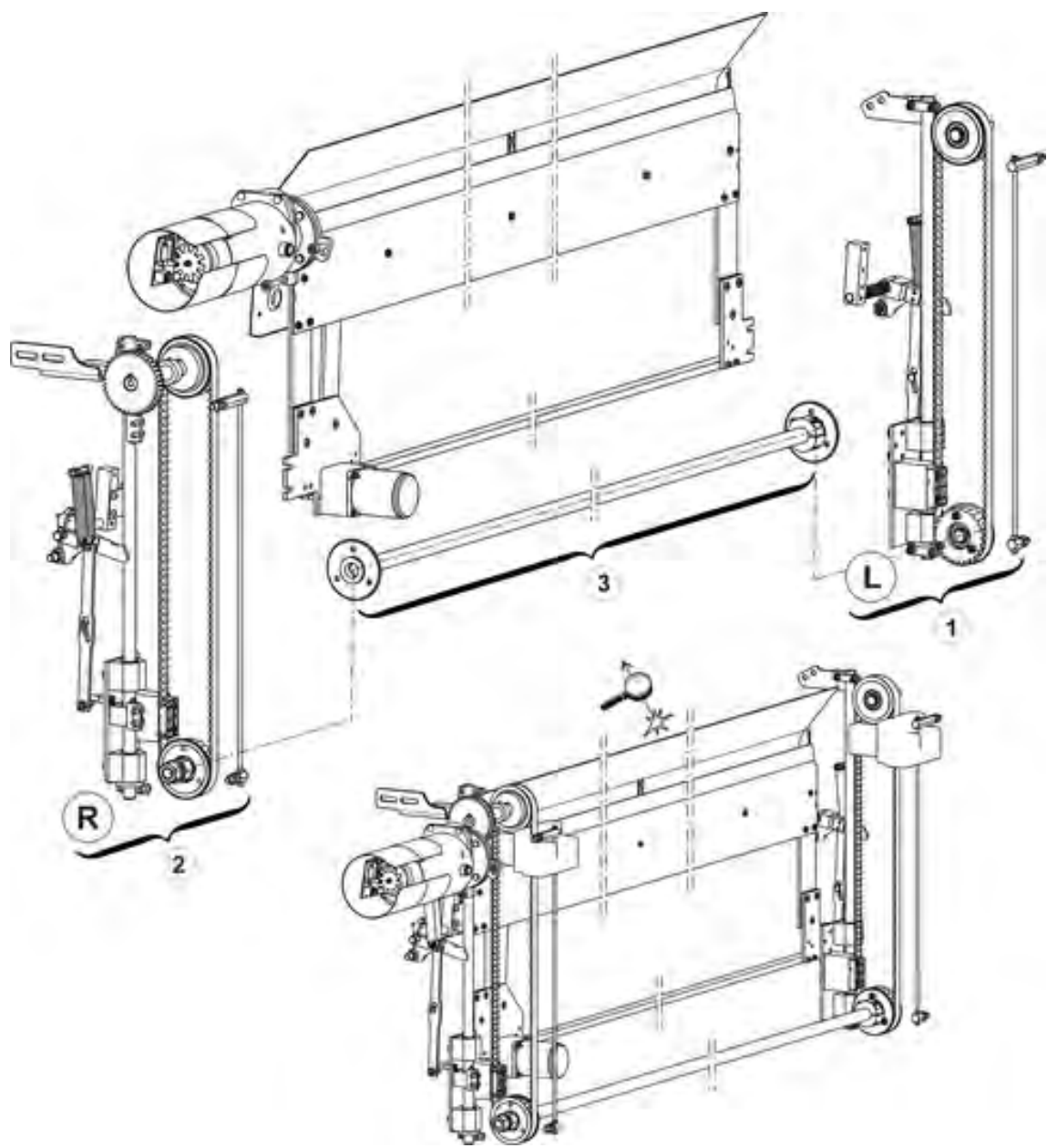


8 Comb take-down



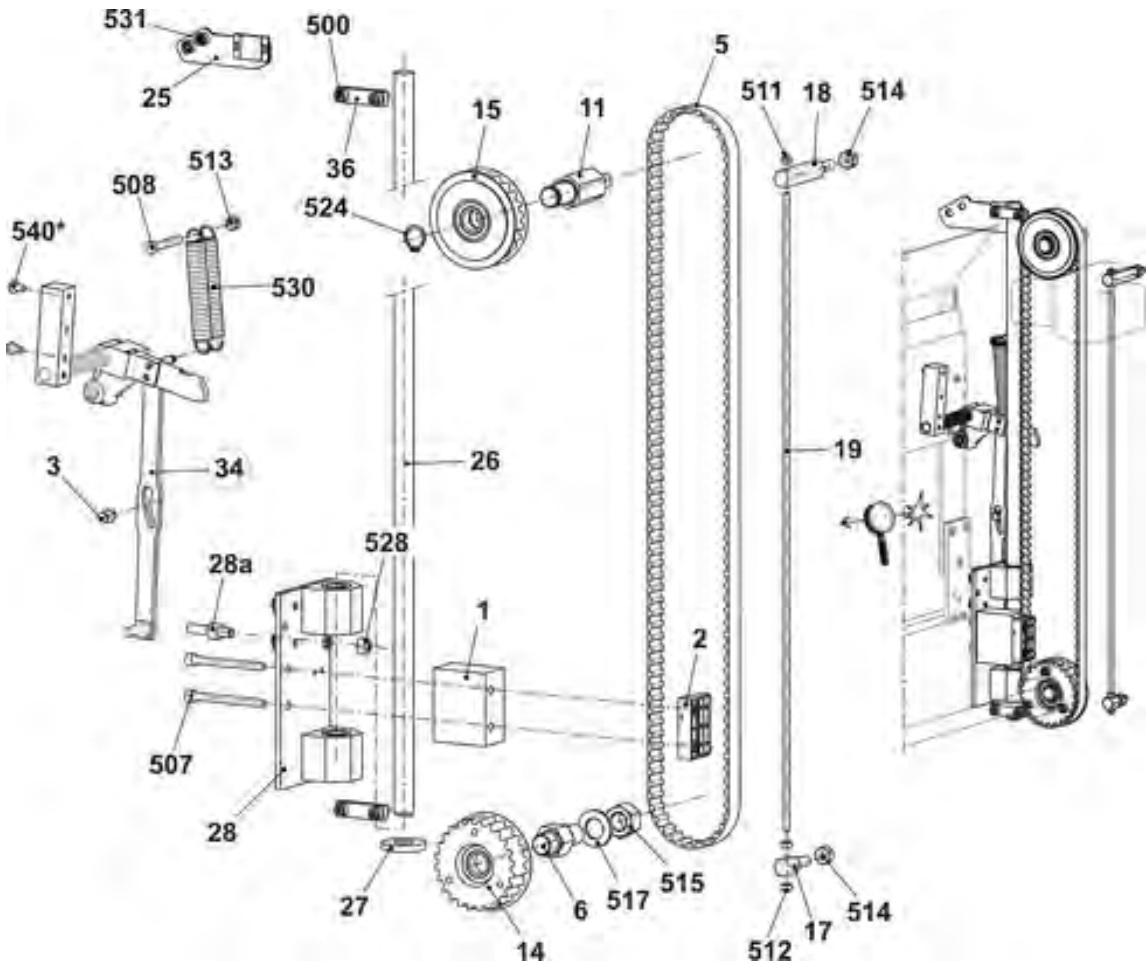
8.1 Comb take-down

Pos	Designation	Id		Pos	Designation	Id
Σ	Comb take-down					
1	Comb take-down on the left	256 834		3	Comb take-down in the middle	
2	Comb take-down on the right	256 835			E7 E7m.5 E7m.8 E3,5.2	253 587
3	Comb take-down in the middle				E8 E8m.7	253 588
	E5 E5m.4 E3,5.2	253 586			E5.2	253 589



8.2 Comb take-down on the left

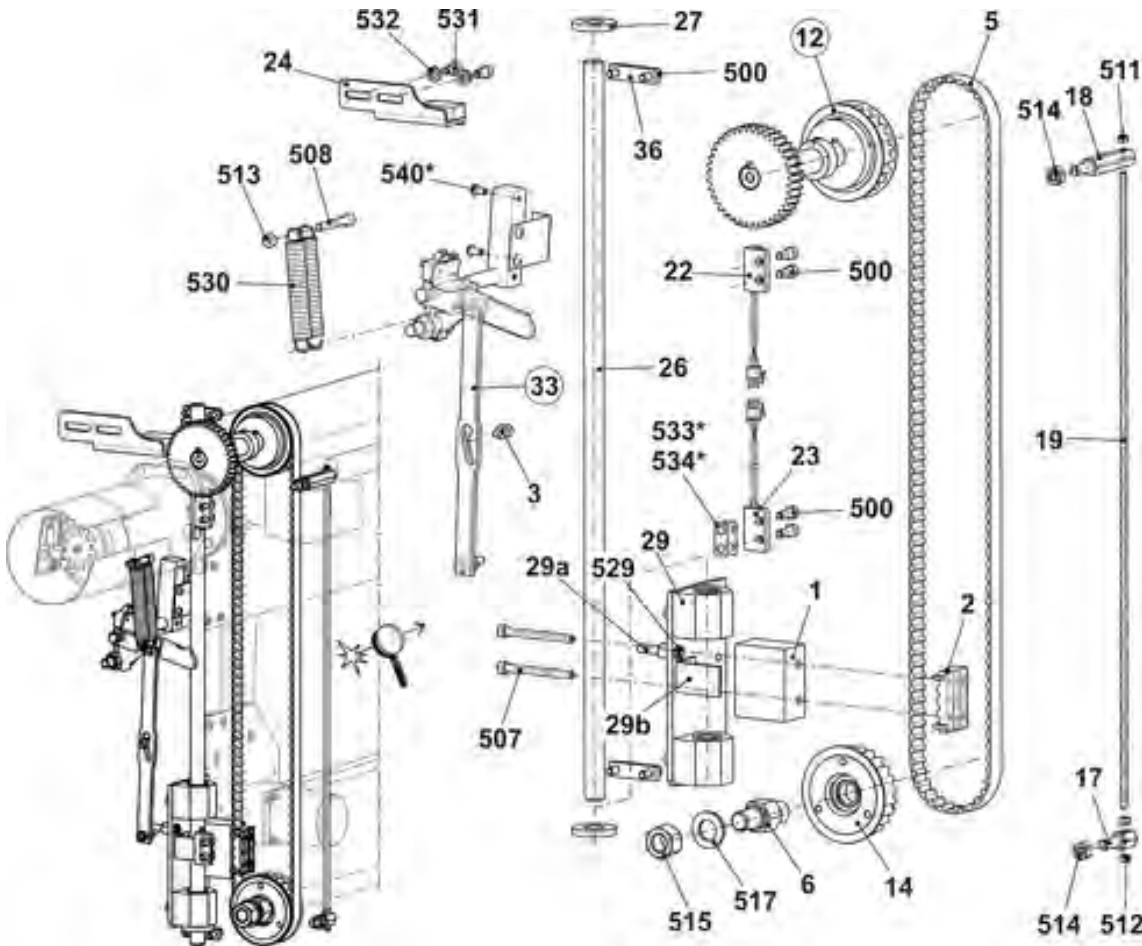
Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the left	256 834			
1	Clamping part	209 379	528	Hexagon nut M8-6	020 838
2	Presser plate	241 967	34	Swivel lever on the left	252 859
3	Bolt	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M8x25	020 135
6	Eccentric pin	222 320	507	Cap screw M6X65	240 162
11	Bolt	207 689	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
15	Toothed lock washer at the top complete	211 823	512	Hexagon nut M5-6	020 835
17	Stay bolt	222 315	513	Hexagon nut M6-6	020 836
18	Stay bolt	240 056	514	Hexagon nut M8-6	020 838
19	Threaded rod M5	240 057	515	Hexagon nut M16-6	020 845
25	Reflector complete	256 826	517	U-washer 16	020 876
26	Guide bar C35	206 560	524	Locking ring 17x1	023 299
27	Rubber buffer	206 561	530	Tension spring Din2097 15x1.50x70.94	251 614
28	Comb guide on the left	255 425	531	Cap screw M6x12	020 134
28a	Driving bolt	255 427	540*	Countersunk screw M5x10	023 247



8.3 Comb take-down on the right

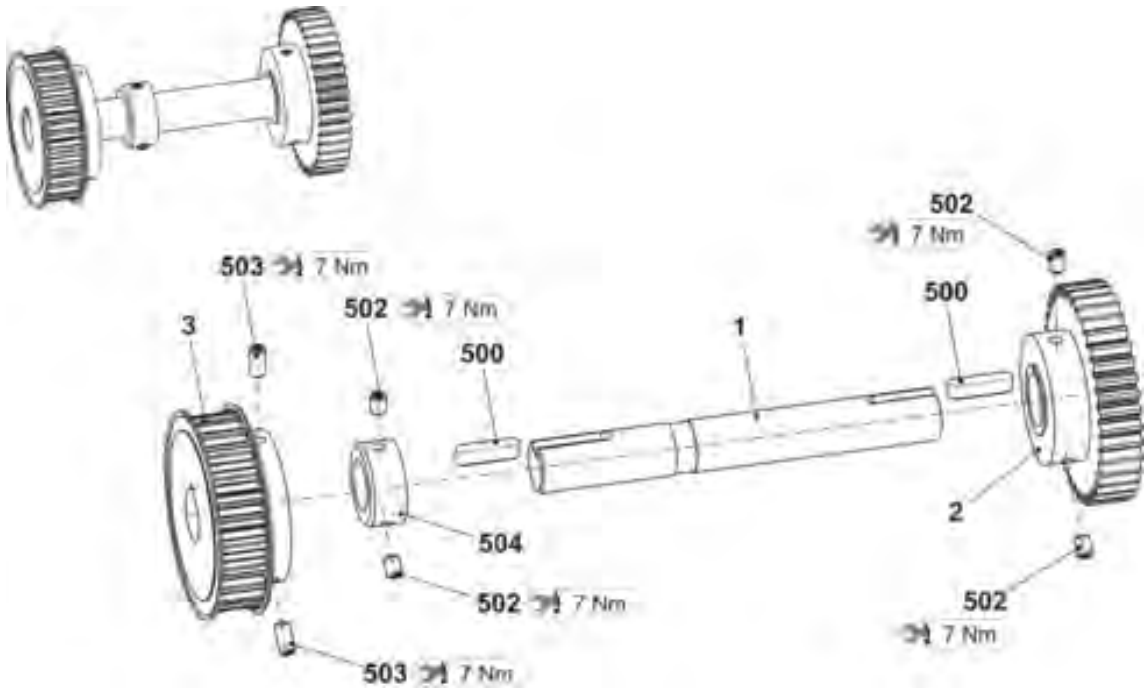
8.3 Comb take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the right	256 835			
1	Clamping part	209 379	529	Hexagon nut M8-6	020 838
2	Presser plate	241 967	33	Swivel lever on the right	252 858
3	Bolt	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M8x25	020 135
6	Eccentric pin	222 320	507	Cap screw M6X65	240 162
12	Drive shaft comb complete	214 583	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
17	Stay bolt	222 315	512	Hexagon nut M5-6	020 835
18	Stay bolt	240 056	513	Hexagon nut M6-6	020 836
19	Threaded rod M5	240 057	514	Hexagon nut M8-6	020 838
22	Proximity switch inductive at the top	231 516	515	Hexagon nut M16-6	020 845
23	Proximity switch inductive at the bottom	231 520	517	U-washer 16	020 876
24	Photoelectric sensor complete	256 825	530	Tension spring 15x1.50x70.94	251 614
26	Guide bar C35	206 560	531	Cap screw M6x12	020 134
27	Rubber buffer	206 561	532	U-washer 6	020 872
29	Comb guide on the right	255 424	533*	Shim 0.2x12x27	023 735
29a	Driving bolt	255 427	534*	Shim 0.5x12x27	023 736
29b	Angle	240 112	540*	Countersunk screw M5x10	023 247



8.3.1 Drive shaft of comb

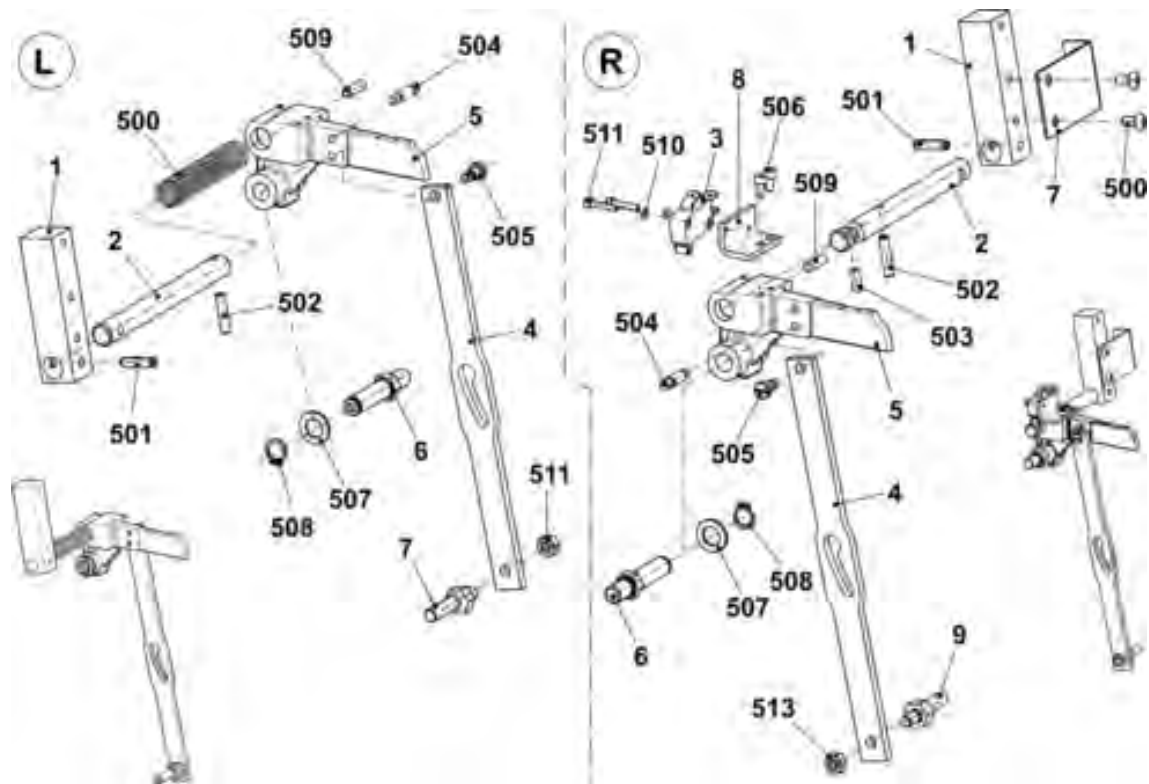
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive shaft comb complete	214 583				
1	Shaft	213 969		500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744		502	Setscrew M6x8	022 684
	Always order position 502 additionally			503	Setscrew M6x12	023 898
3	Toothed belt disc at the top	206 394		504	Set collar	020 938
	Always order position 503 additionally					



8.3 Comb take-down on the right

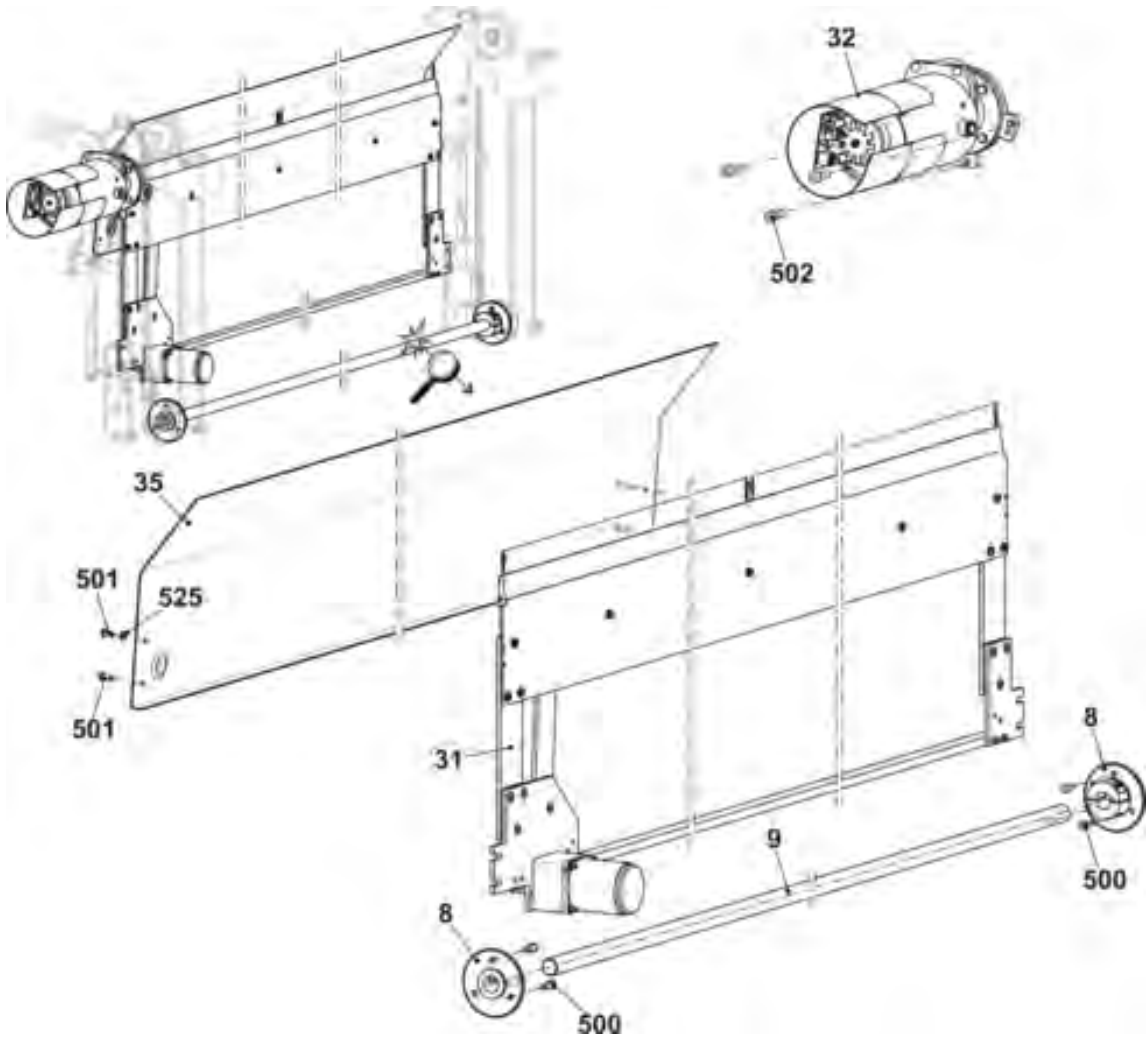
8.3.2 Swivel lever comb take-down

Pos	Designation	Id		Pos	Designation	Id
Σ L	Swivel lever on the left	252 859		Σ R	Swivel lever on the right	252 858
1	Support	252 780		1	Support	252 780
2	Shaft	223 994		2	Shaft	238 339
4	Plunger	255 650		3	Microswitch	026 259
5	Swivel lever	239 248		4	Plunger	255 650
6	Bolt	214 053		5	Swivel lever	239 248
7	Eccentric bolt	255 651		6	Bolt	214 053
500	Compression spring 1,4x13,6x93	023 572		7	Angle	224 009
501	Spring dowel sleeve ISO8752-5x20	020 794		8	Angle	238 304
502	Dowel pin 5x22	023 716		9	Eccentric bolt	255 651
504	Shoulder screw M5x29x35	251 618		500	Countersunk screw M5x10	023 247
505	Shoulder screw M5x5.8x6.2	023 365		501	Spring dowel sleeve 5x20	020 794
507	U-washer 10	020 884		502	Dowel pin 5x22	023 716
508	Locking ring	020 950		503	Spring dowel sleeve 5x12	020 793
509	Shoulder screw M5x12x18	020 539		504	Shoulder screw M5x29x35	251 618
511	Hexagon nut M8-6	020 838		505	Shoulder screw M5x5.8x6.2	023 365
				506	Cap screw M4x8	022 501
				507	U-washer 10	020 884
				508	Locking ring 10x1	020 950
				509	Shoulder screw M5x12x18	020 539
				510	Shoulder screw M3x16	022 583
				511	U-washer 3	020 877
				513	Hexagon nut M8-6	020 838



8.4 Comb take-down in the middle

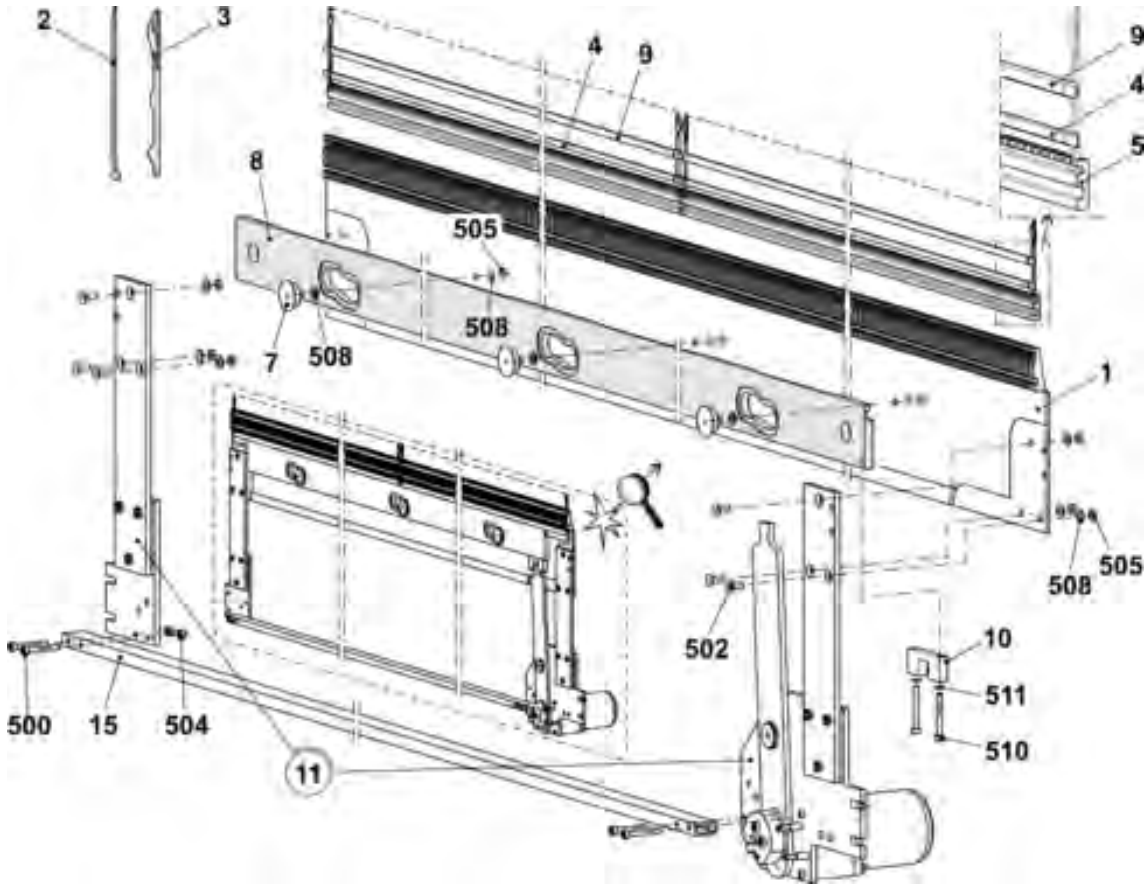
Pos	Designation	Id		Pos	Designation	Id
Σ	Comb take-down in the middle			31	Comb unit	
	E5 E5m.4	253 586			E5 E5m.4	241 530
	E7 7m.5 E7m.8 E3,5.2	253 587			E7 7m.5 E7m.8 E3,5.2	241 531
	E8 E8m.7	253 587			E8 E8m.7	241 532
	E5.2	253 589			E5.2	241 533
8	Flange	207 695		32	Motor take-down unit complete	253 803
9	Shaft long	213 968		35	Guide plate	252 828
500	Cap screw M8x25	020 135		502	Cap screw M8X25	020 142
501	Countersunk screw M5x10	023 247		525	Serrated lock washer J5.3	022 489



8.4 Comb take-down in the middle

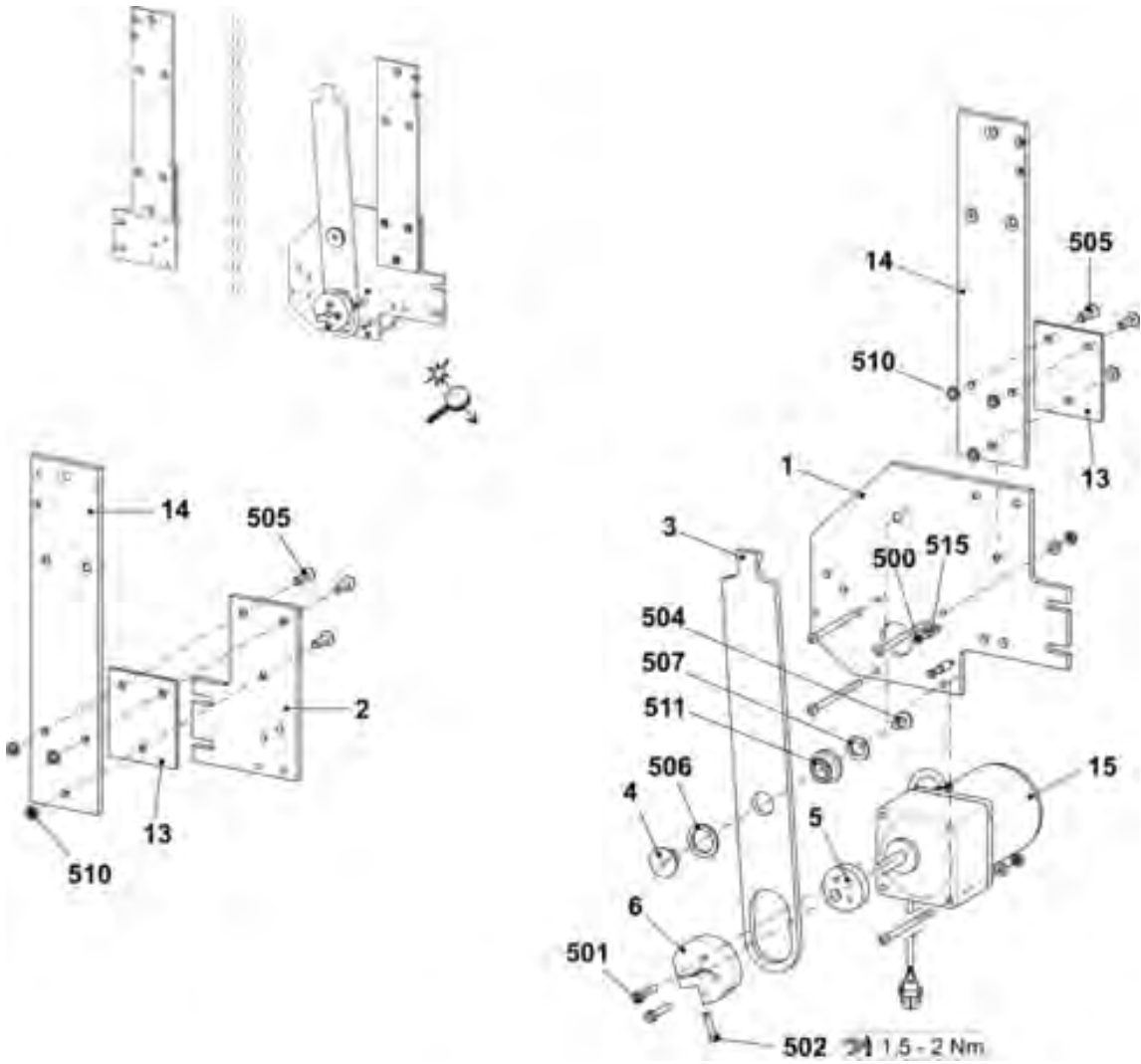
8.4.1 Comb unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb unit		5	Hook slider	
	E5 E5m.4	241 530		E5 E5m.4	220 995
	E7 7m.5 E7m.8 E3,5.2	241 531		E7 7m.5 E7m.8 E3,5.2	220 993
	E8 E8m.7	241 532		E8 E8m.7	220 994
	E5.2	241 533		E5.2	220 996
1	Hook bed		7	Collar bolt complete	211 036
	E5 E5m.4	221 193	8	Cross slider	213 429
	E7 7m.5 E7m.8 E3,5.2	221 194	9	Cover rail	222 866
	E8 E8m.7	221 195	10	Plunger	205 678
	E5.2	221 196	11	Switch lever complete	240 060
2	Closer		15	Stabilizator	215 253
	E5 E8 E7 E5m.4 7m.5 E7m.8 E8m.7 E3,5.2	230 105	500	Cap screw M4x30	023 290
	E5.2	230 106	502	Countersunk head screw M5x12	023 340
3	Body		504	Hexagon nut M4-8	023 046
	E5 E8 E7 E5m.4 7m.5 E7m.8 E8m.7 E3,5.2	230 093	505	Hexagon nut M5-04	020 854
	E5.2	230 094	508	U-washer 5	020 871
4	Cover rail	213 428	510	Cap screw M4x35	023 550
			511	Circlip	022 774



8.4.2 Switch lever comb take-down

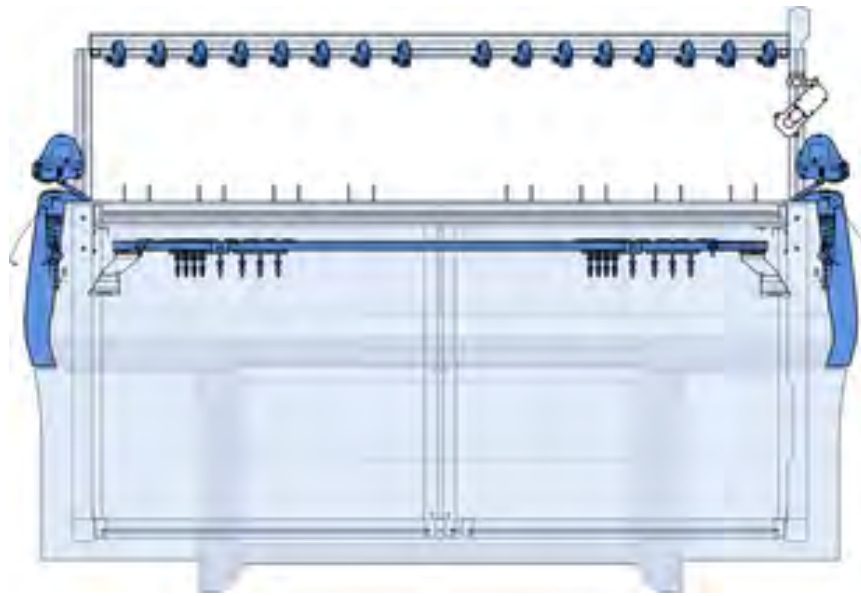
Pos	Designation	Id		Pos	Designation	Id
Σ	Switch lever complete	235 690		500	Cap screw M3x25	023 093
1	Screwing plate on the right	232 968		501	Cap screw M4x20	023 171
2	Screwing plate on the left	240 059		502	Cap screw M4x16	023 123
3	Lever	215 228		504	Countersunk screw M6x12	023 435
4	Bearing bolt	215 675		505	Countersunk screw M5x16	023 417
5	Eccentric	205 681		506	Adjusting washer 16x22x2	023 449
6	Tension lifter	215 287		507	Shim ring 4x8x1	023 260
13	Intermediate plate	213 980		510	Hexagon nut M5	020 854
14	Retaining plate	218 977		511	Collar bearing 10x16x22	022 841
15	Motor comb hook with 2 phases	244 635		515	Threaded spacer	210 488



8.4 Comb take-down in the middle

Notes:

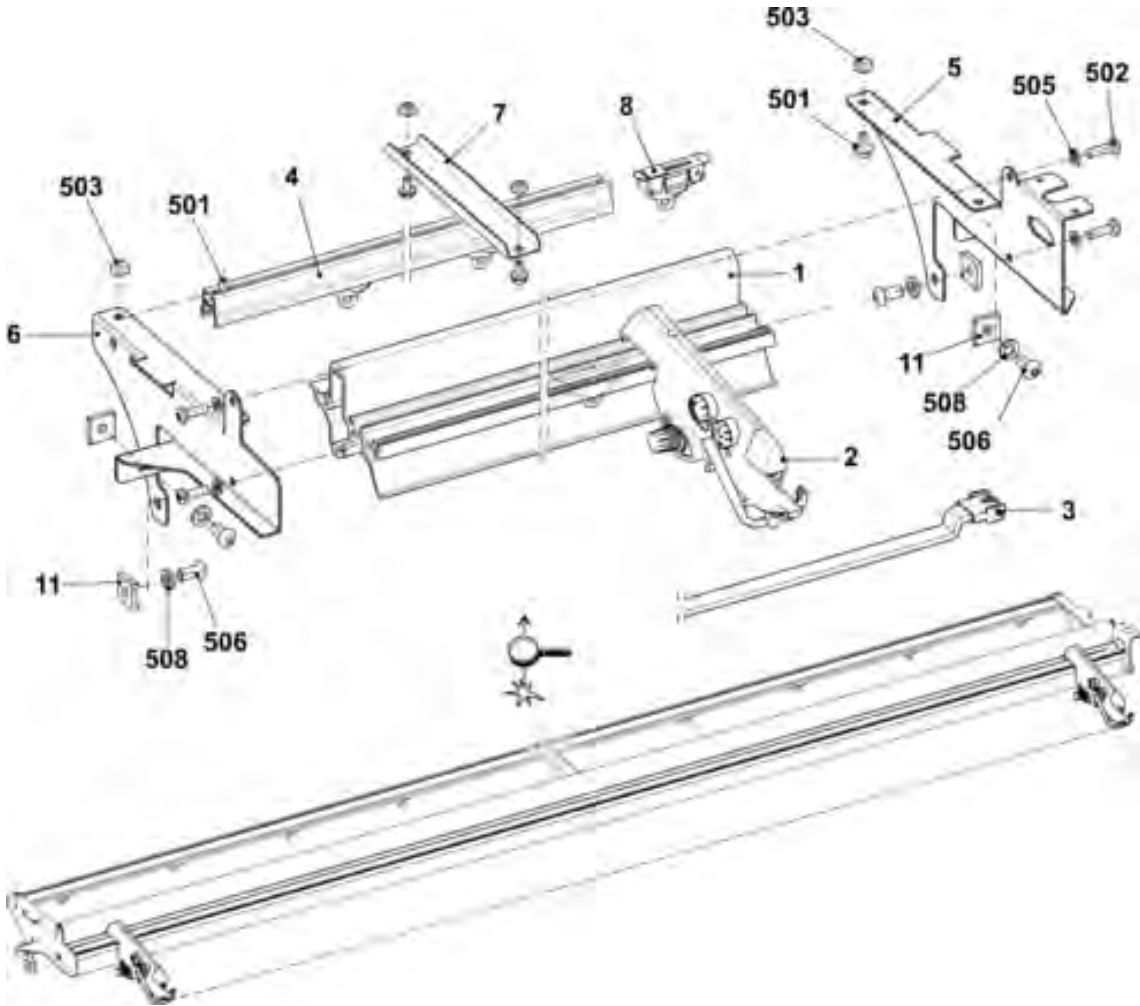
9 Yarn delivery device



9.1 Yarn guide system with 14 and 16 FKE

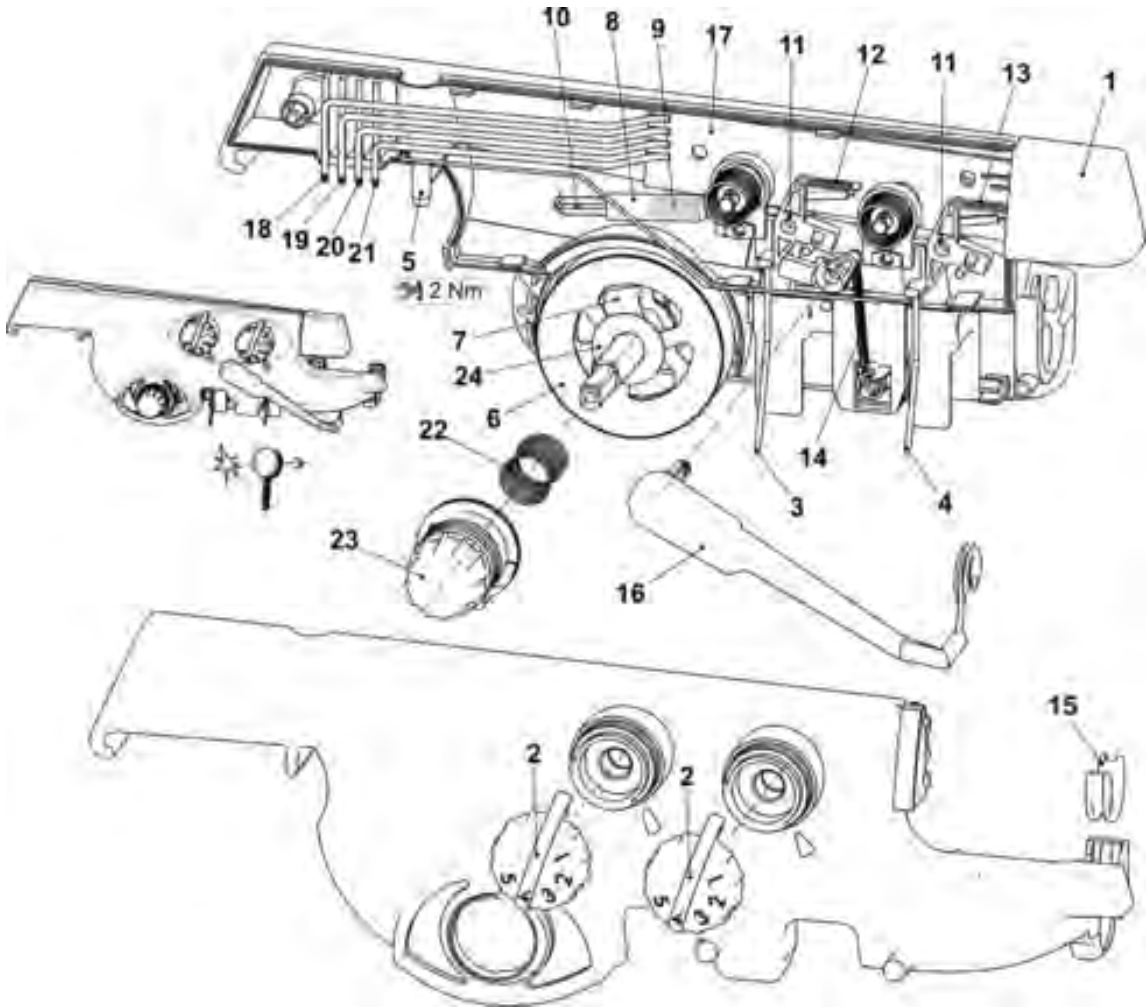
9.1 Yarn guide system with 14 and 16 FKE

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn guide system 14 FKE	241 587		8	Yarn guide bracket complete	241 581
	Yarn guide system 16 FKE	241 550		11	Sliding block	228 851
1	Support	243 110		501	Self-locking screw M6x12	023 415
2	Yarn control device (FKE)	237 124		502	Screw M6x20	023 721
3	Connection cable FKE	254 056		503	Ribbed lock washer M6-10	023 414
4	Yarn guide bar	240 324		505	U-washer 6-200	022 431
5	Support on the right	251 629		506	Pan-head screw M8x16	023 113
6	Support on the left	251 630		508	Serrated lock washer	023 388
7	Support	243 792				



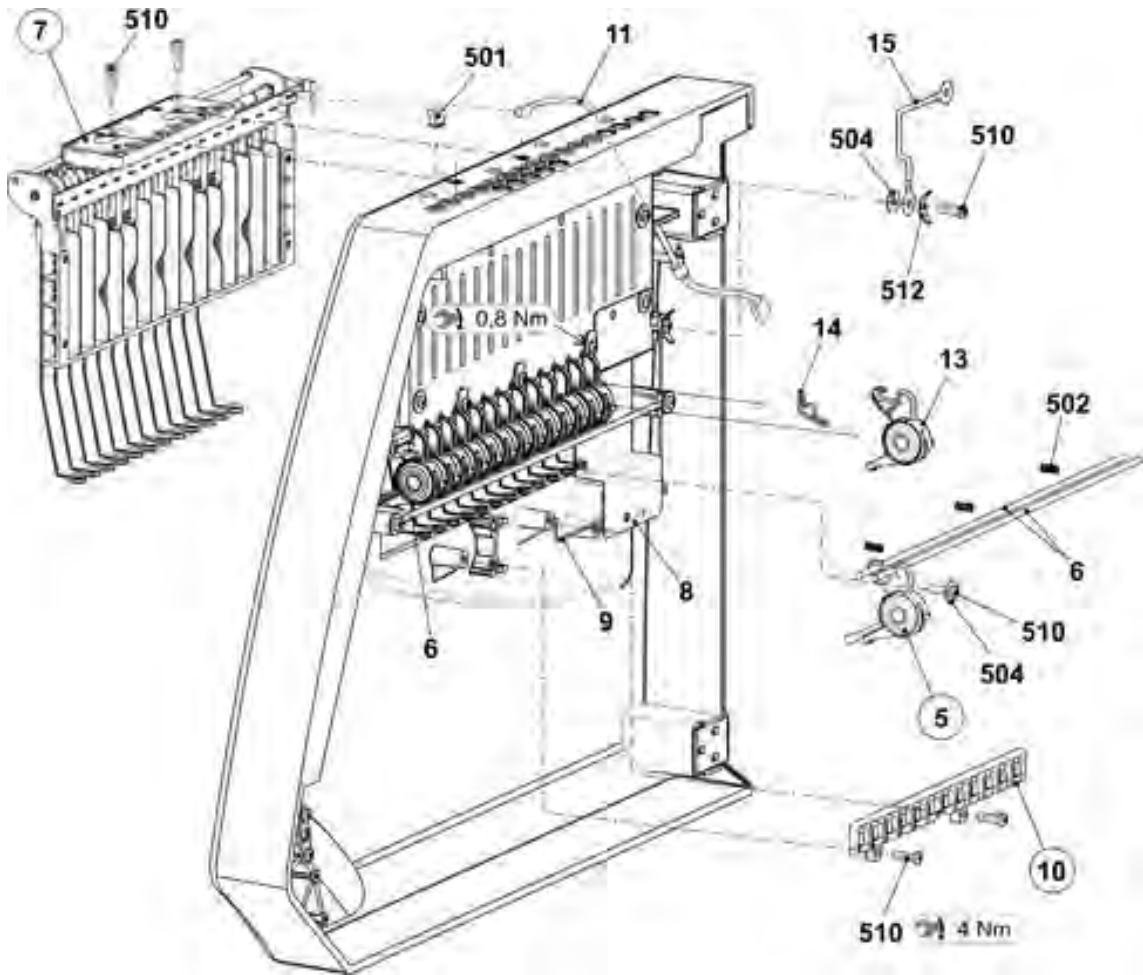
9.2 Yarn control unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn control unit	237 124			
1	Lamp cap	251 166	13	Tension spring	253 040
2	Turning knob	251 167	14	Tension spring	253 041
3	Knot detector for large knots	251 168	15	Ceramic eyelet open	240 733
4	Knot detector for mall knots	251 169	16	Stop bow	253 043
5	Screw	251 170	17	Jack	253 046
6	Yarn brake disk	216 365	18	Contact pin	253 047
7	Yarn holder	244 407	19	Contact pin	253 048
8	Sleeve	253 034	20	Contact pin	253 049
9	Compression spring	253 035	21	Contact pin	253 050
10	Pin	253 036	22	Compression spring	253 055
11	Trip cam	253 037	23	Turning knob	253 056
12	Tension spring	253 038	24	Disk	216 372



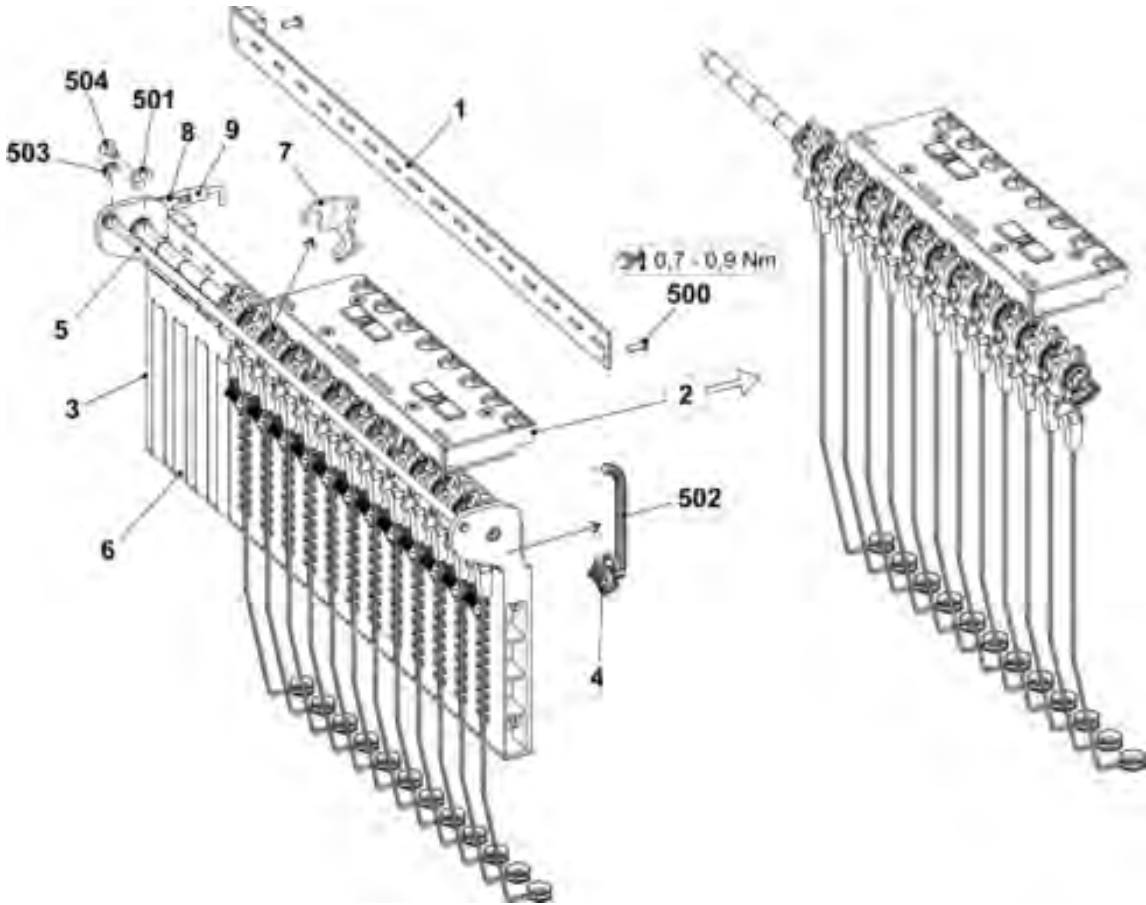
9.3 Left yarn guide

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety cover on the left complete		10	Yarn deflector	242 011
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 271	11	Connection cable yarn	240 808
	E7 E8 E7m.8 E8m.7	241 272	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Shaft	241 318	15	Ground cable	244 404
7	Yarn tensioner on the left complete		501	Ceramic eyelet	240 640
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 363	502	Compression spring 0.90x5.40x13.60	241 360
	E7 E8 E7m.8 E8m.7	241 364	504	U-washer 6	022 537
8	Cover	240 783	510	Screw KB 60x20	237 682
9	Wire bow on the left	241 370	512	Flat connector 2x45° M6	243 117



9.3.1 Left yarn tensioner

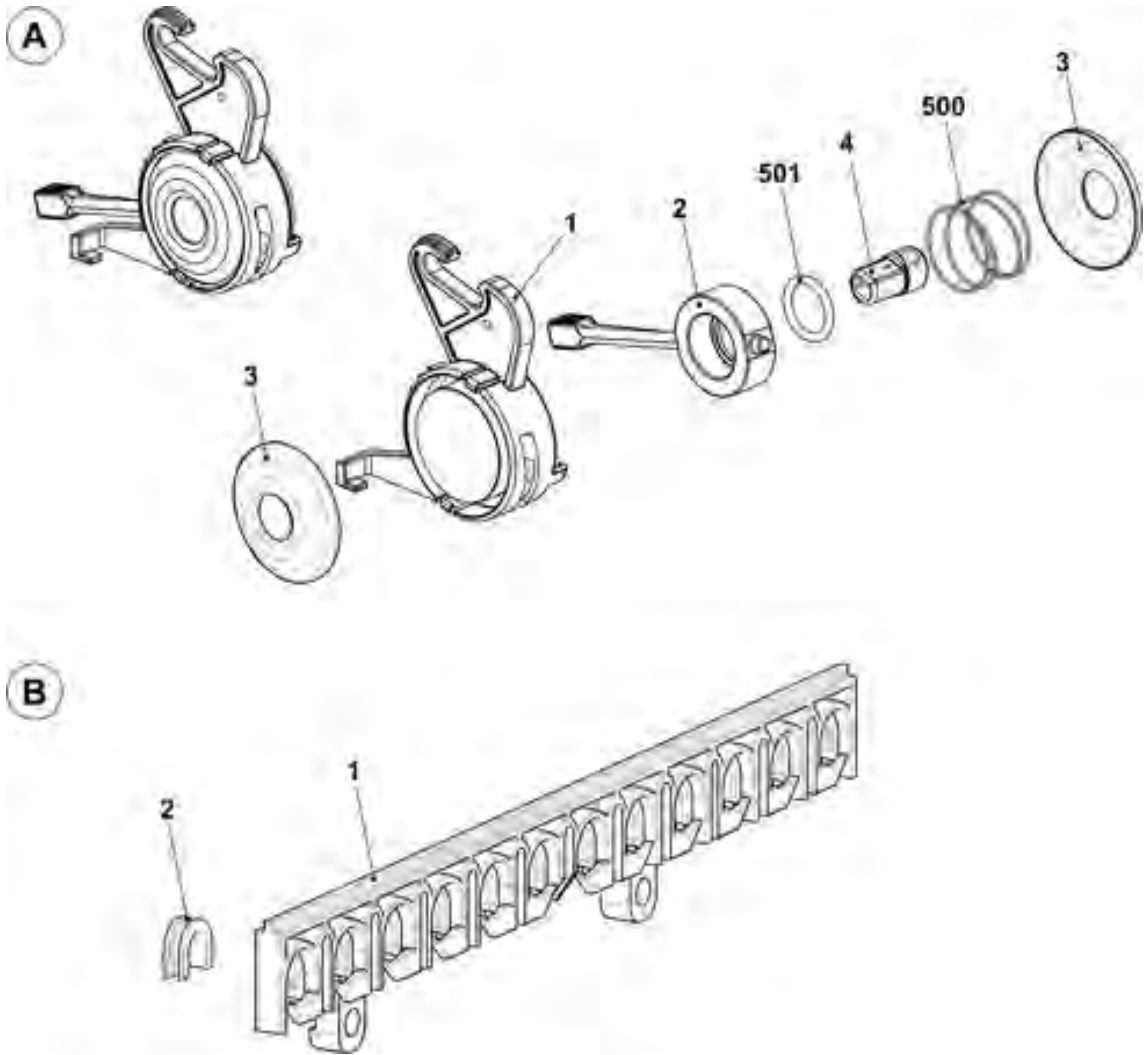
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the left complete			7	Spacer	242 048
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 363		8	Grounding plate of tension axle	243 121
	E7 E8 E7m.8 E8m.7	241 364		9	Ground cable yarn tensioner	243 105
1	Card yarn tensioner 16-fold on the left	241 345		500	Screw KB 30x8	236 228
2	Tension axle on the left complete (E3 – 8)	241 366		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5,05x0,55x53 E5 E3,5.2 E5.2 E5m.4 E7m.5	023 502
4	Slider	241 694			Tension spring 4,9x0,5x53 E7 E8 E7m.8 E 8m.7	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Border	242 268		504	Countersunk screw M4x12	241 914



9.3 Left yarn guide

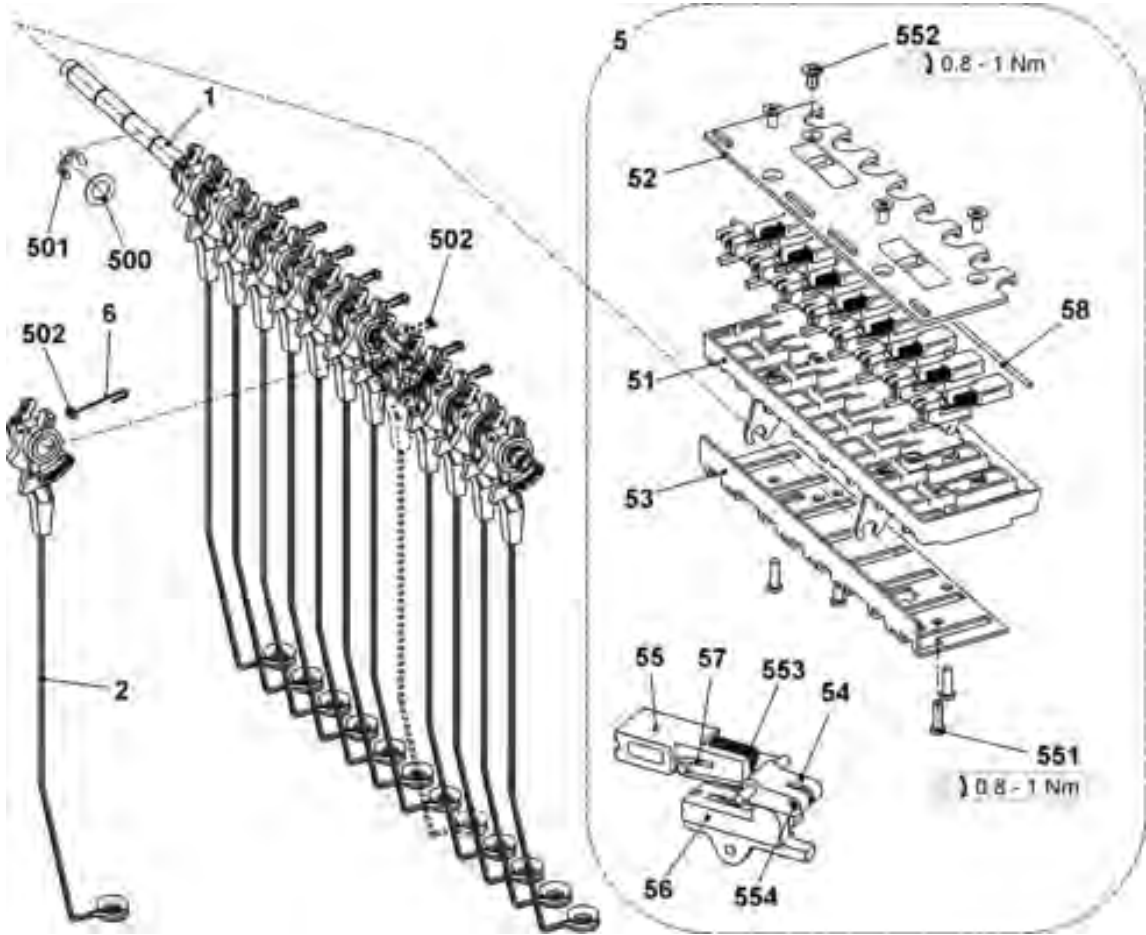
9.3.2 Yarn brake and yarn deflector

Pos	Designation	Id		Pos	Designation	Id
A	Yarn brake complete	244 347		B	Yarn deflector	242 011
1	Support	240 607		1	Support yarn deflector	242 009
2	Slider	240 606		2	Ceramic eyelet open	240 733
3	Brake disk	244 355				
4	Ceramic eyelet open	243 778				
500	Compression spring 0.65x20.15x14.80	241 361				
501	O-ring 11x2	241 434				



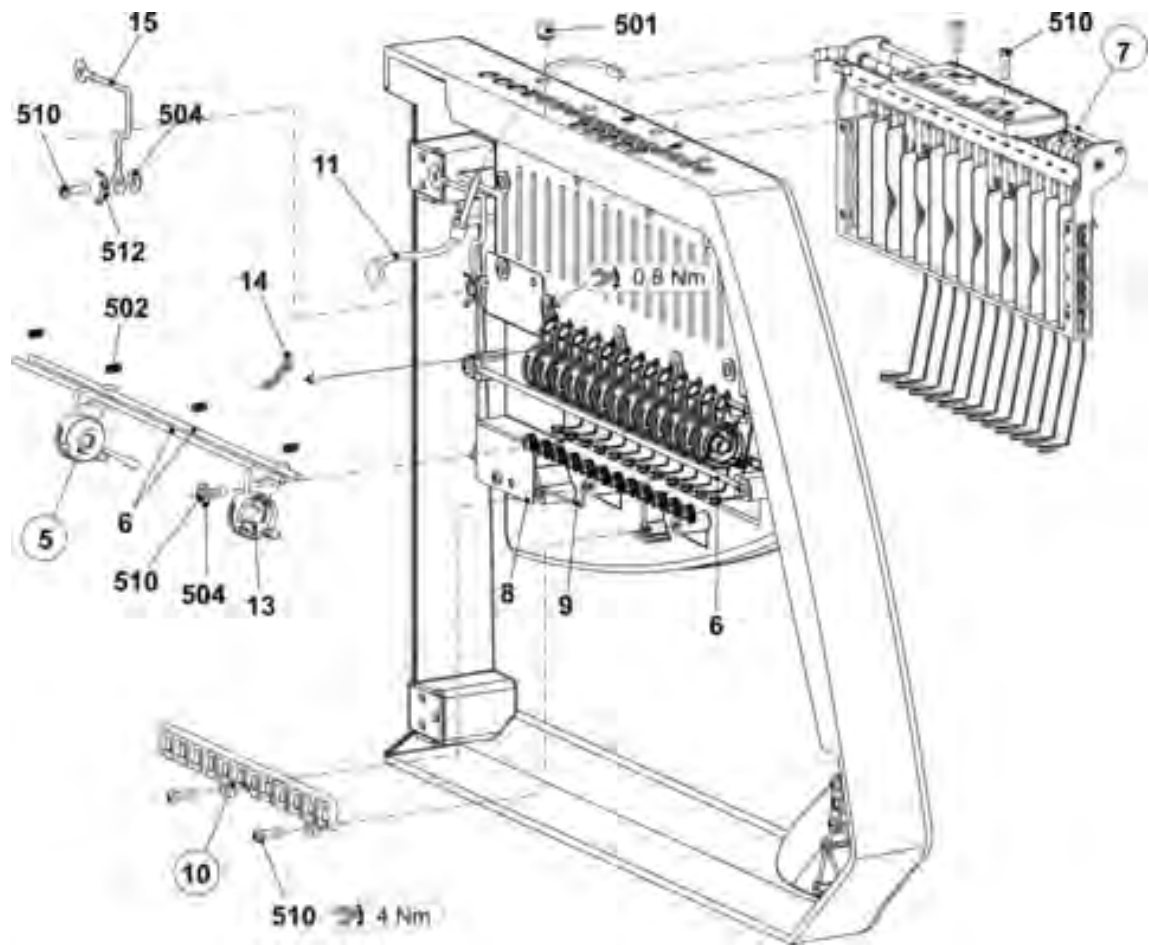
9.3.3 Left tension axle

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle on the left complete (E3 – 8)	241 366		53	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107		54	Lever AKF	238 692
2	Tension arm pre-assembled E3 – 8	242 770		55	Thrust piece AKF	238 690
6	Wire bow	238 694		56	Slider AKF	238 691
500	Adjusting washer4x8x0 8x14x0,5	023 501		57	Wire bow	238 694
501	Circlip	021 022		58	Wire	237 940
502	Grooved pin 2x6	243 172		551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695		552	Screw KB 40x8	236 227
51	Housing AKF	238 689		553	Compression spring 0.30x4.50x18.50	241 437
52	Cover AKF	237 926		554	Grooved pin 2x6	243 172



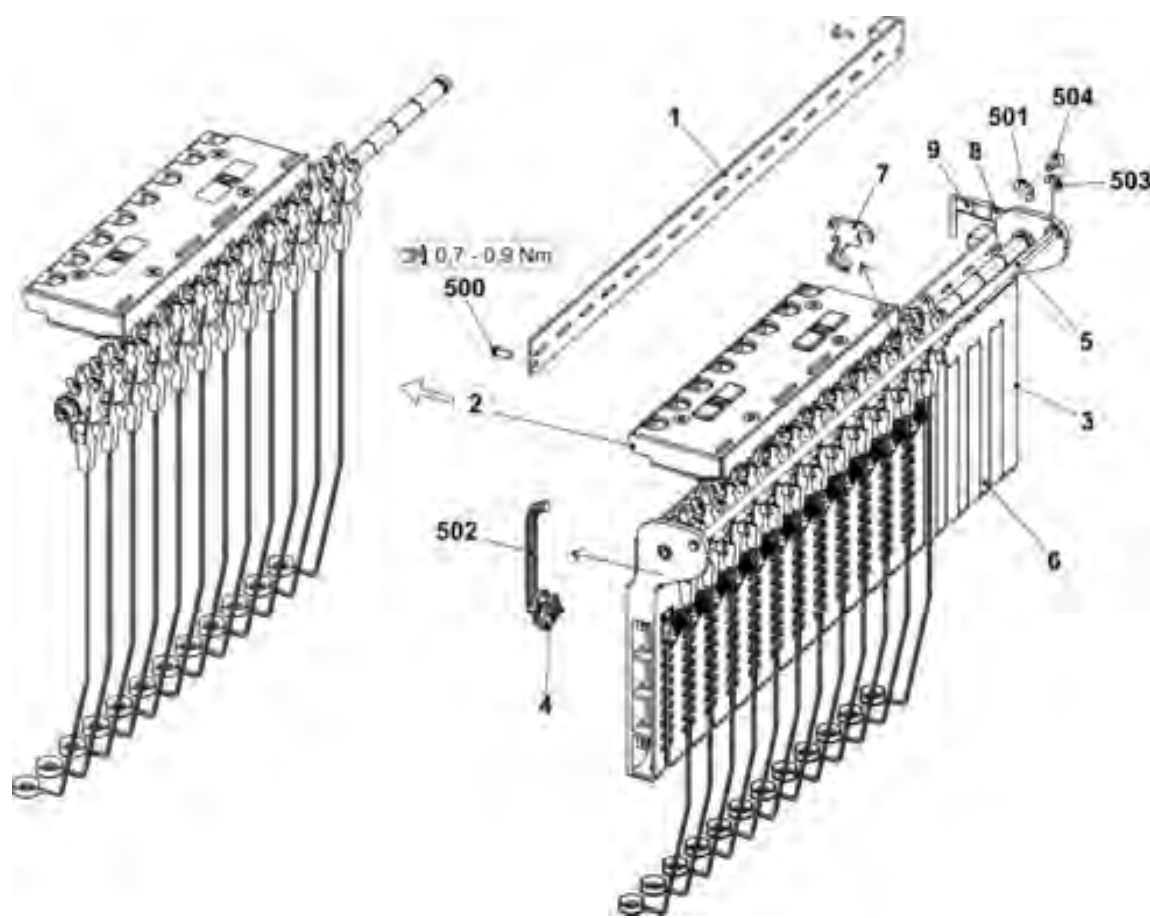
9.4 Right yarn guide

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety cover on the right complete		10	Yarn deflector	242 011
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 274	11	Connection cable yarn	240 808
	E7 E8 E7m.8 E8m.7	241 275	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Shaft	241 318	15	Ground cable	244 404
7	Yarn tensioner on the right complete		501	Ceramic eyelet	240 640
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 382	502	Compression spring 0.90x5.40x13.60	241 360
	E7 E8 E7m.8 E8m.7	241 383	504	U-washer 6	022 537
8	Cover	240 783	510	Screw KB 60x20	237 682
9	Wire bow on the left	241 370	512	Flat connector 2x45° M6	243 117
8	Cover	240 783	512	Flat connector 2x45° M6	243 117



9.4.1 Right yarn tensioner

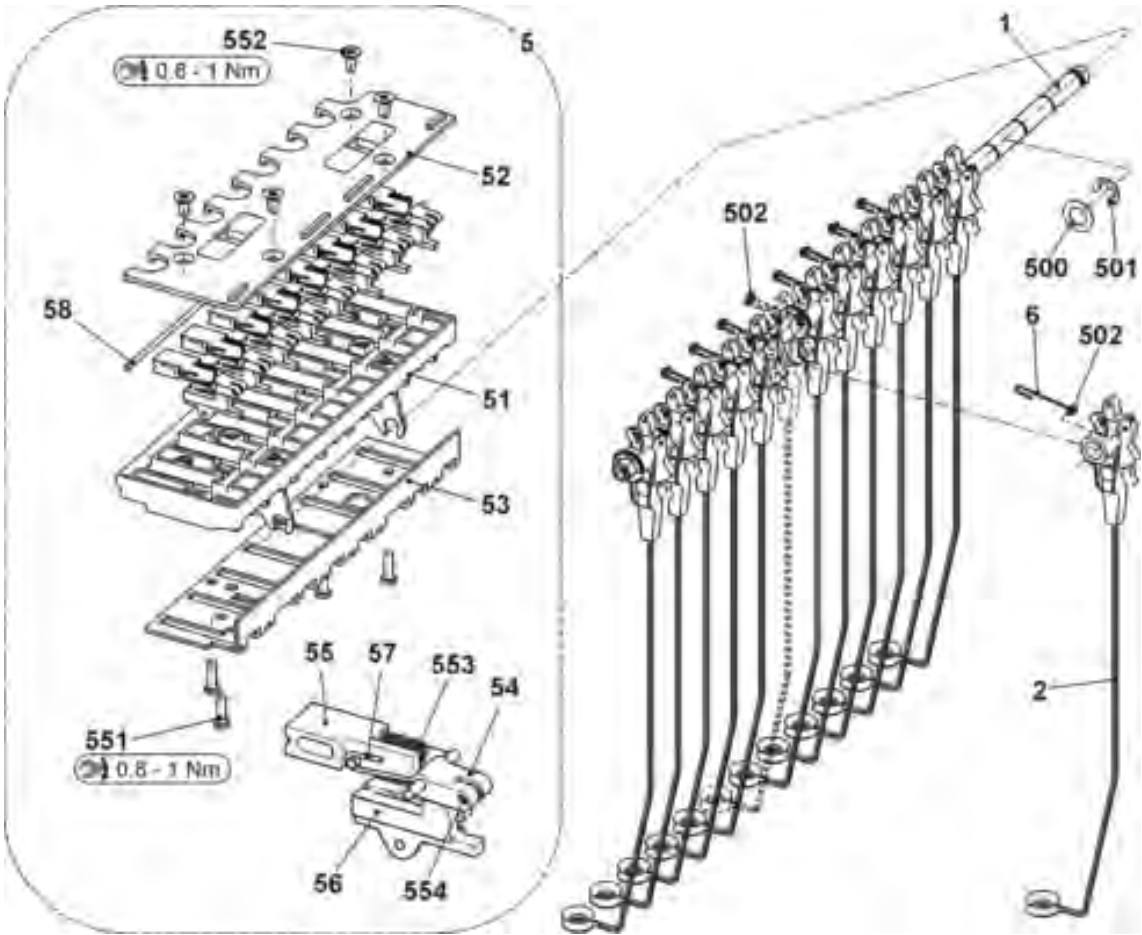
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the right complete			7	Spacer	242 048
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 382		8	Grounding sheet metal of tension axle	243 121
	E7 E8 E7m.8 E8m.7	241 383		9	Ground cable yarn tensioner	243 105
1	Card yarn tensioner 16-fold on the right	241 346		500	Cap screws M30x8	236 228
2	Tension axle on the right complete E3-8	241 379		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5,05x0,55x53 E5 E3,5.2 E5.2 E5m.4 E7m.5	023 502
4	Slider	241 694			Tension spring 4,9x0,5x53 E7 E8 E7m.8 E 8m.7	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Cover	242 268		504	Countersunk screw M4x12	241 914



9.4 Right yarn guide

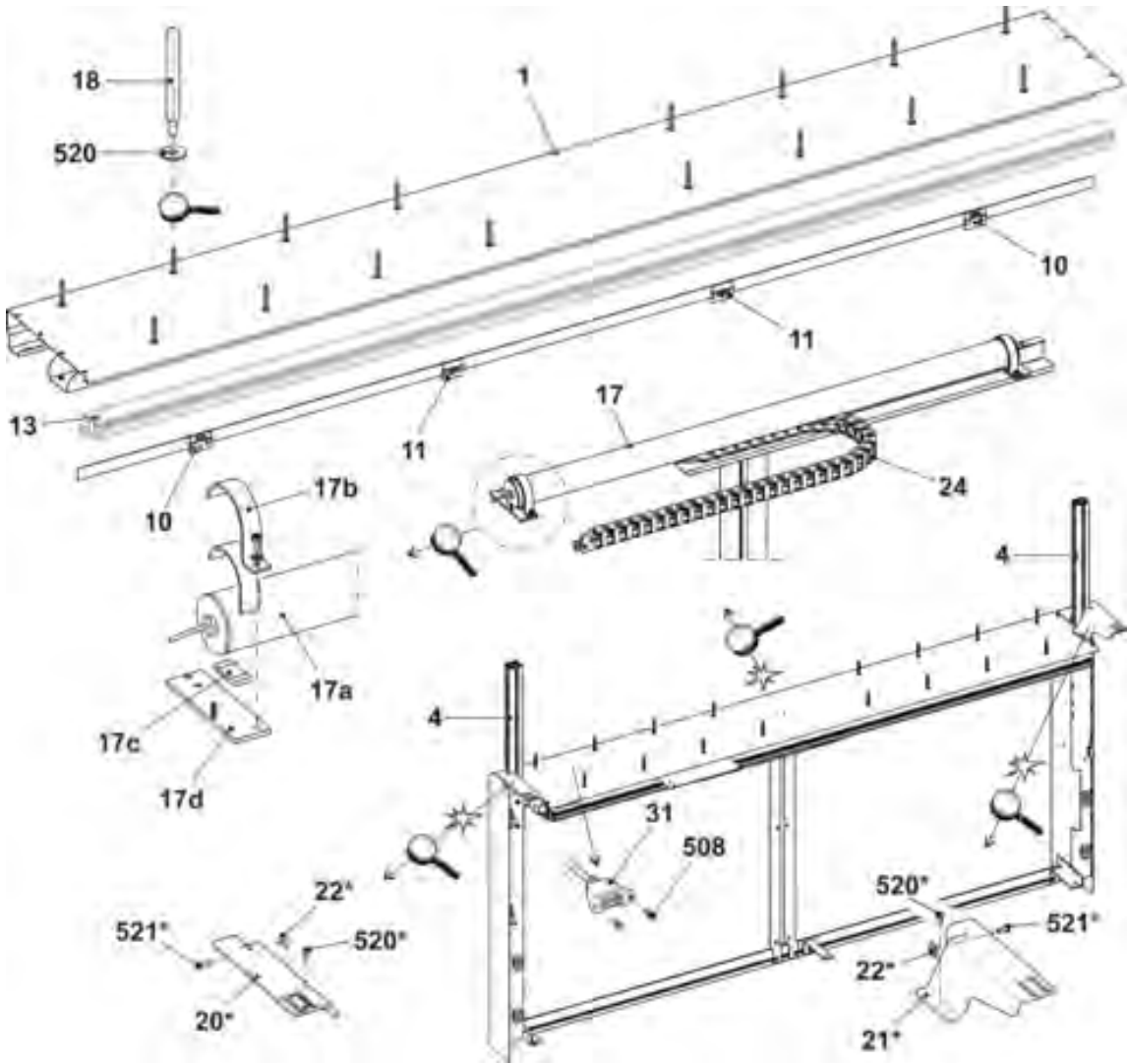
9.4.2 Right tension axle

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle on the right complete E3-8	241 379		53	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107		54	Lever AKF	238 692
2	Tension arm pre-assembled E3 – 8	242 770		55	Thrust piece AKF	238 690
6	Wire bow	238 694		56	Slider AKF	238 691
500	Adjusting washer4x8x0 8x14x0,5	023 501		57	Wire bow	238 694
501	Circlip	021 022		58	Wire	237 940
502	Grooved pin 2x6	243 172		551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695		552	Screw KB 40x8	236 227
51	Housing AKF	238 689		553	Compression spring 0.30x4.50x18.50	241 437
52	Cover AKF	237 926		554	Grooved pin 2x6	243 172



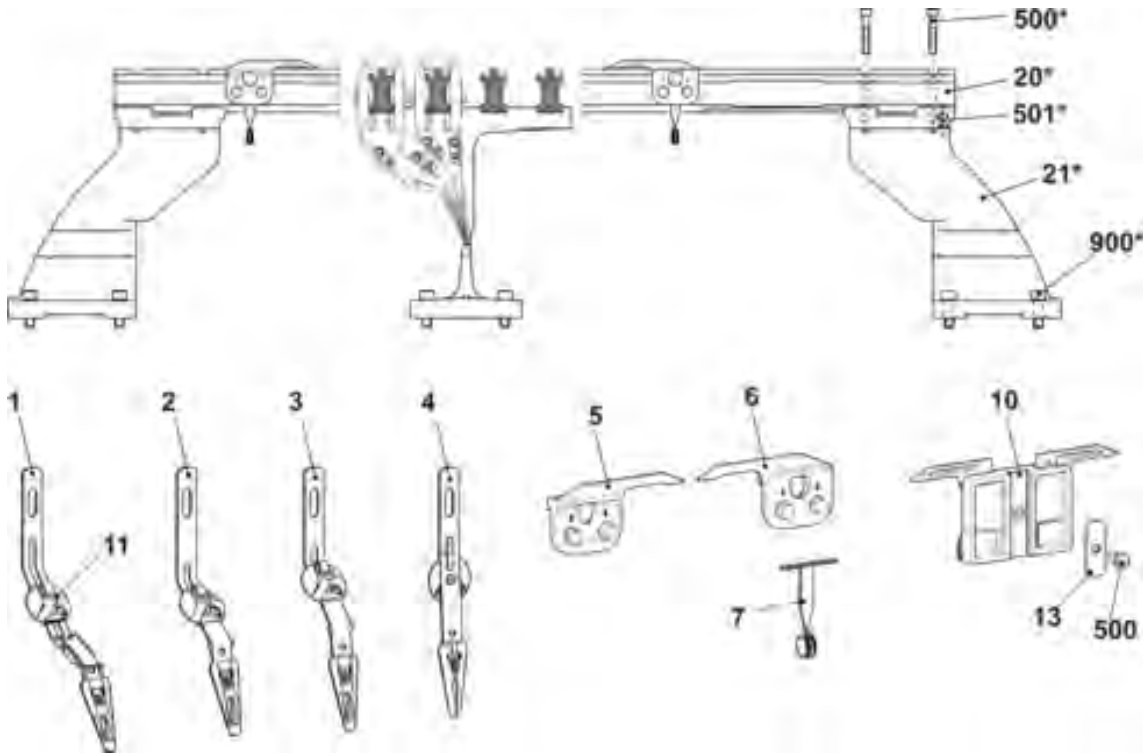
9.5 Bobbin board

Pos	Designation		Id		Pos	Designation		Id
Σ	Table complete 50"		240 241					
1	Table		251 244		18	Positioning pin		204 819
4	Support element		228 594		24	Energy chain display 38 links		253 888
10	Magnet switch protective hood		219 983		31	Cable USB extension		253 706
11	Magnet switch protective hood		220 159		508	Countersunk screw M3x8		023 251
13	Guide rail at the top complete		257 485		520	U-washer		020 901
17	Lamp at the top complete		222 509		20*	Support of left feed wheel		250 966
	A17	Lamp 230 V 50/60 Hz	205 546		21*	Support of right feed wheel		250 967
	17b	Clamping bow	209 504		22*	Sliding block		228 851
	17c	Cellular caoutchouc 40x20	208 018		520*	Countersunk screw M8x16		023 113
	17d	Lamp support	221 951		521*	Countersunk screw M8x18		251 331



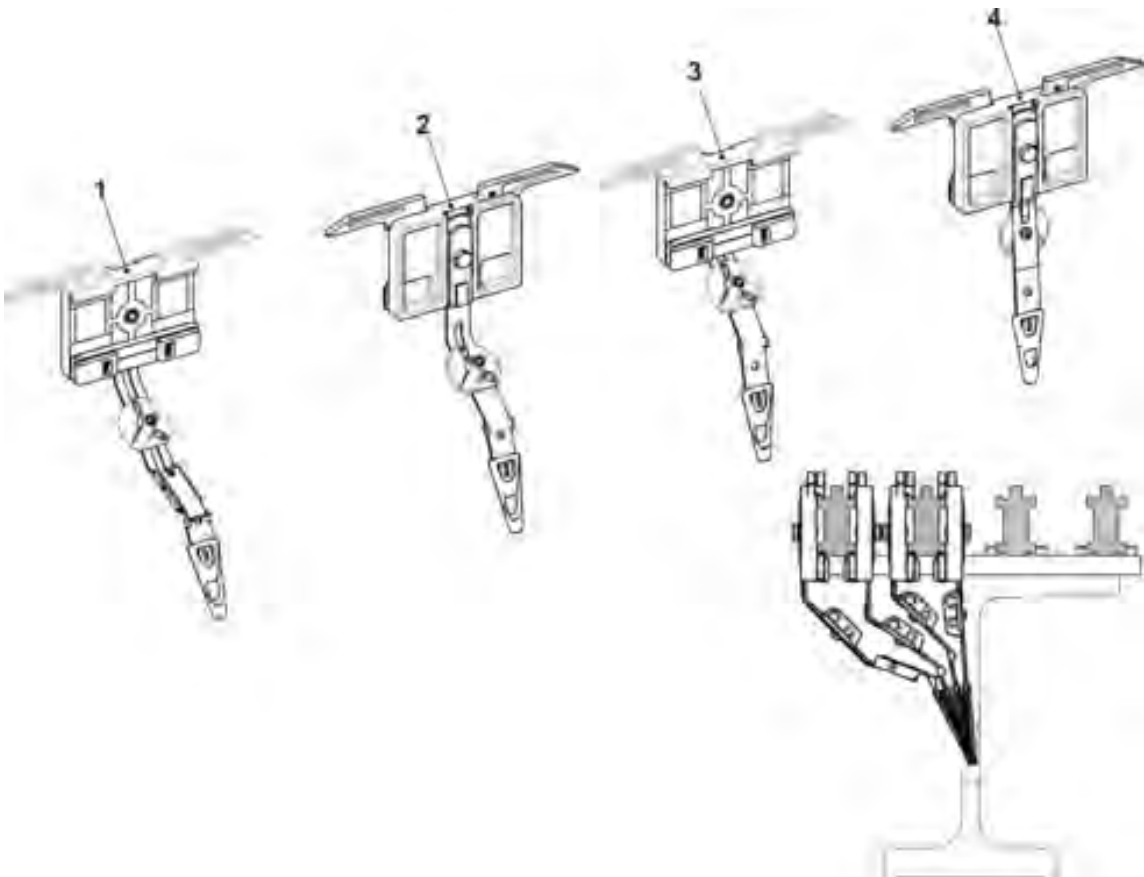
9.6 Yarn carrier and guide rails

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete				
	E5 E5m.4 E7m.5 E3,5.2 E5.2	243 577	5	Limiter on the left complete	244 099
	E7 E8 E7m.8 E8m.7	243 578	6	Limiter on the right complete	244 098
E5 E5m.4 E7m.5 E3,5.2 E5.2			7	Slider with eyelet	230 709
1	YC bow 1+8 complete E5	212 990	10	YC carriage complete	243 062
2	YC bow 2+7 complete E5	212 992	11	Yarn guide wheel complete	209 257
3	YC bow 3+6 complete E5	212 991	13	Shim 0.2x12x75	213 035
4	YC bow 4+5 complete E5	212 993	500	Hexagon screw M5x10	020 351
E7 E8 E7m.8 E8m.7			20*	Yarn carrier rail	240 282
1	YC bow 1+8 complete E7-8	212 892	21*	YC support	252 010
2	YC bow 2+7 complete E7-8	212 914	500*	Cap screw M6x35	020 139
3	YC bow 3+6 complete E7-8	212 925	501*	Set screw M8x12	022 975
4	YC bow 4+5 complete E7-8	212 910	900*	Cap screw M8X25	020 142



9.7 Complete yarn carriers

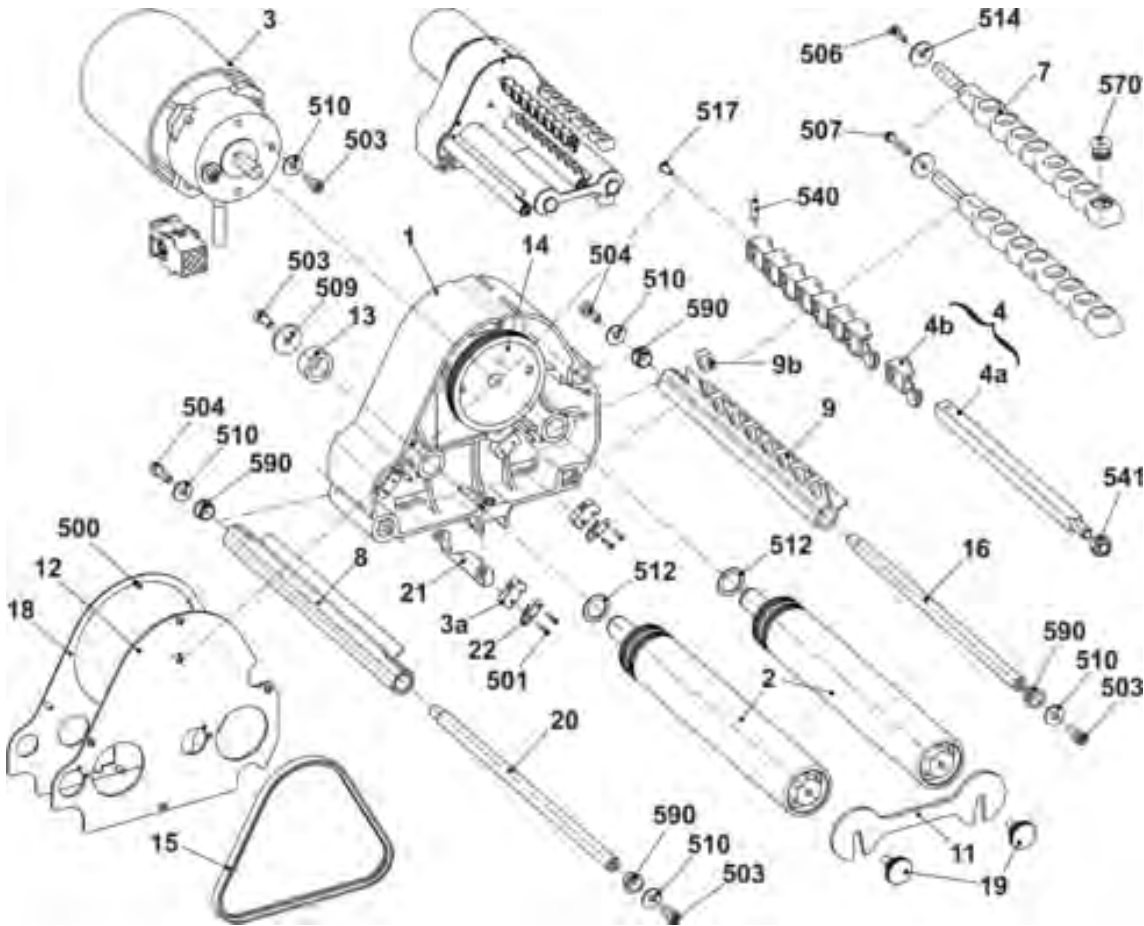
Pos	Designation	Track	Id		Pos	Designation	Track	Id
E5 E5m.4 E7m.5 E3,5.2 E5.2					E7 E8 E7m.8 E8m.7			
1	YC carriage complete E5	1+8	243 935		1	YC carriage complete E7-8	1+8	243 939
2	YC carriage complete E5	2+7	243 934		2	YC carriage complete E7-8	2+7	243 938
3	YC carriage complete E5	3+6	243 933		3	YC carriage complete E7-8	3+6	243 937
4	YC carriage complete E5	4+5	243 932		4	YC carriage complete E7-8	4+5	243 936



9.8 Left friction feed wheel

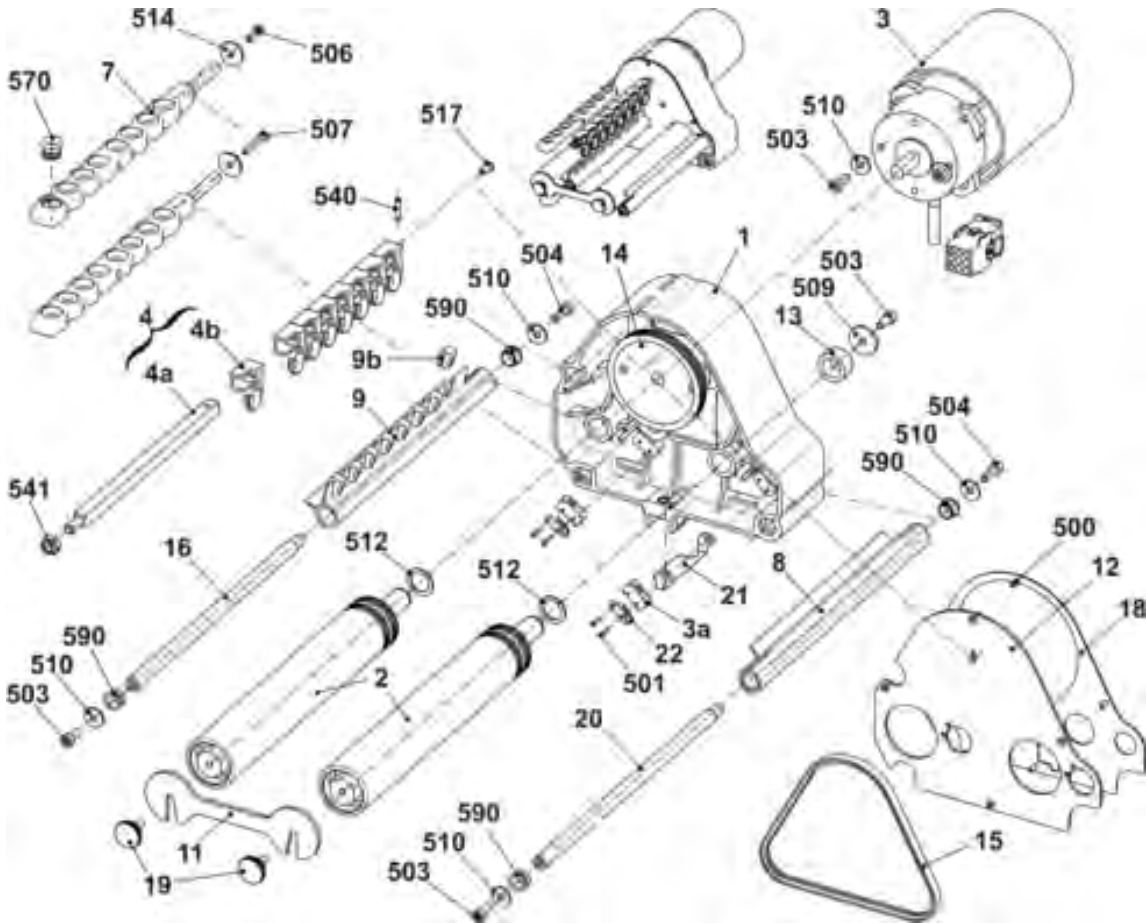
9.8 Left friction feed wheel

Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the left complete		243 571	14	Ribbed V-belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt pulley V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase A.C. motor complete		219 800	18	Cover		230 758
	3a	Microswitch	008 664	19	Knurled srew		223 361
4	Deflector complete 8-fold		250 089	20	Rod		230 658
	4a	Support rail	250 055	21	Grounding plate		256 622
	4b	Eyelet holder complete	250 077	22	Spring plate		256 702
	540	Spring dowel sleeve 4x15	020 783	500	Screw KB 30x8		236 228
	541	Hexagon nut M8-8	022 843	501	Screw 20x10		244 736
7	Yarn guide rod complete		239 431	503	Cap screw M5x12		020 132
	570	Eyelet 8	021 504	504	Cap screw M5X16		022 726
8	Stop motion rail on the right complete		230 690	506	Screw KB 40x14		241 358
9	Stop motion rail on the left complete with eyelets		230 683	507	Screw KB 40x25		241 595
	9b	Eyelet	230 662	509	Washer 6.1x9x0.5		023 219
	590	Slide bearing	023 627	510	U-washer 5		020 901
11	Strap		221 316	512	Adjusting washer 15x21x1		023 216
12	Cover		251 098	514	U-washer 4,3		020 908
13	Bush		221 391	517	Pan-head screw M4x8		023 579



9.9 Right friction feed wheel

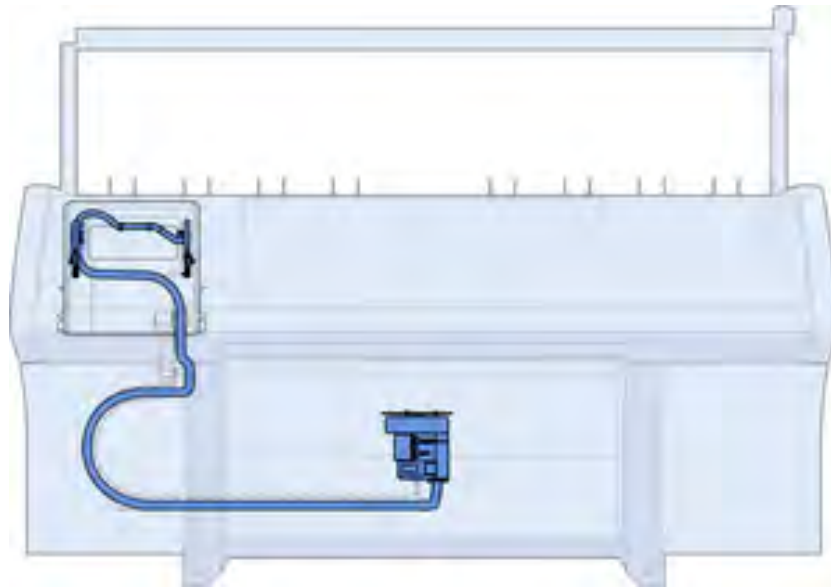
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the right complete		243 572	14	Ribbed V-belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt pulley V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase A.C. motor complete		219 800	18	Cover		230 758
	3a	Microswitch	008 664	19	Knurled screw		223 361
4	Deflector complete 8-fold		250 089	20	Rod		230 658
	4a	Support rail	250 055	21	Grounding plate		256 622
	4b	Eyelet holder complete	250 077	22	Spring plate		256 702
	540	Spring dowel sleeve 4x15	020 783	500	Screw KB 30x8		236 228
	541	Hexagon nut M8-8	022 843	501	Screw 20x10		244 736
7	Yarn guide rod complete		239 431	503	Cap screw M5x12		020 132
	570	Eyelet 8	021 504	504	Cap screw M5X16		022 726
8	Stop motion rail on the right complete		230 690	506	Screw KB 40x14		241 358
9	Stop motion rail on the right complete with eyelets		230 682	507	Screw KB 40x25		241 595
	9b	Eyelet	230 662	509	Washer 6.1x9x0.5		023 219
	590	Slide bearing	023 627	510	U-washer 5		020 901
11	Strap		221 316	512	Adjusting washer 15x21x1		023 216
12	Cover		251 098	514	U-washer 4,3		020 908
13	Bush		221 391	517	Pan-head screw M4x8		023 579



9.9 Right friction feed wheel

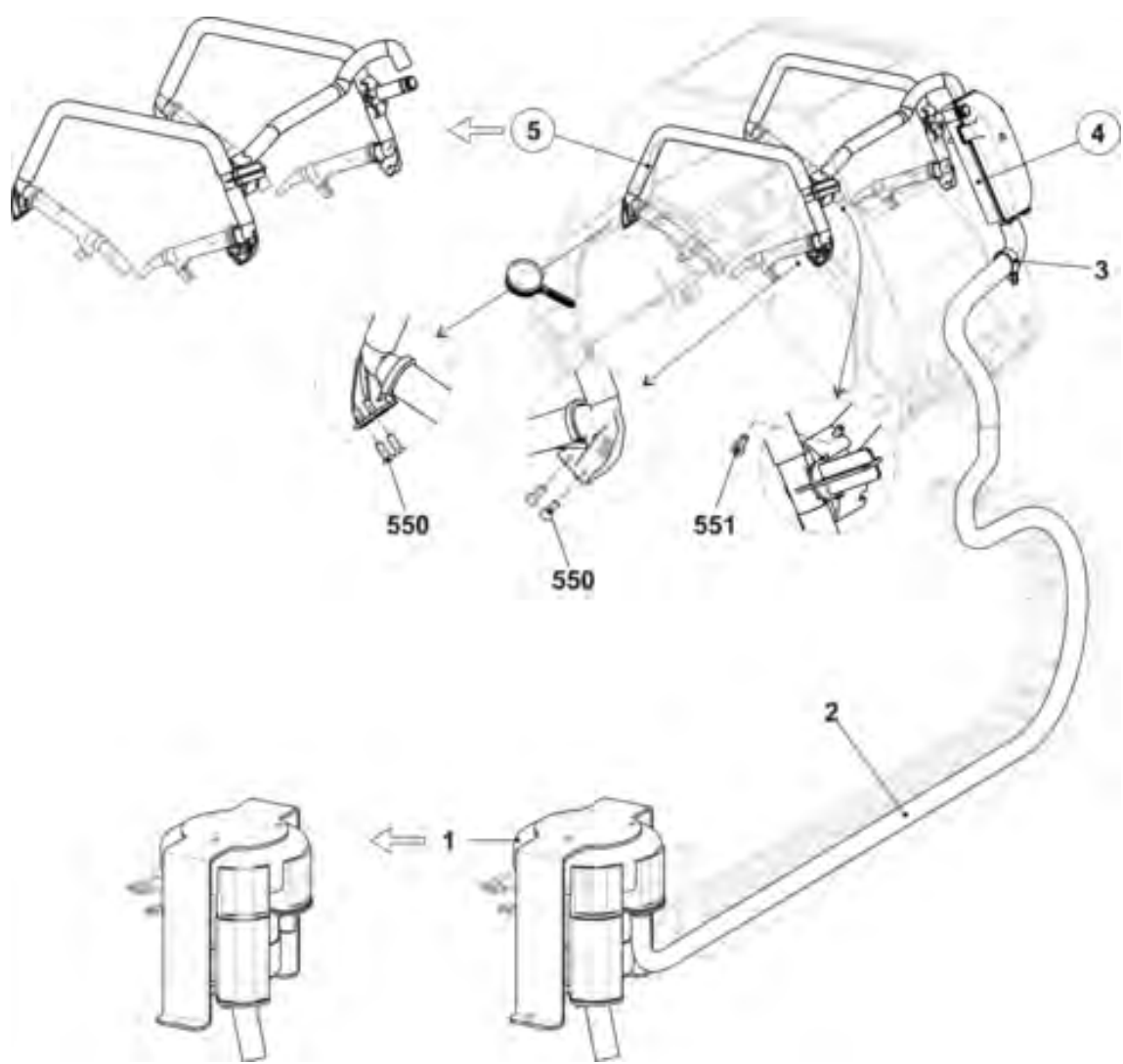
Notes:

10 Fluff absorption



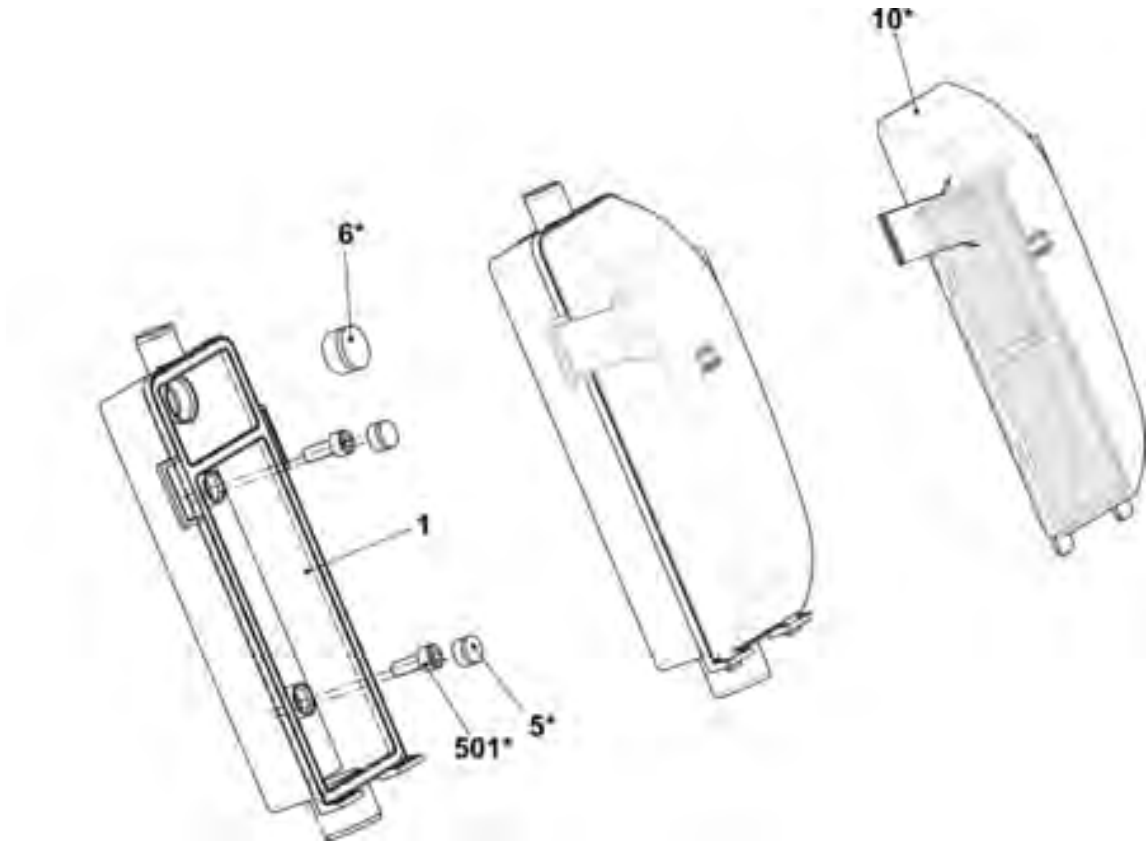
10.1 Fluff absorption

Pos	Designation	ID		Pos	Designation	ID
Σ	Fluff absorption					
1	Suction fan complete	251 332		5	Set of tubes complete 520	251 338
2	Suction hose 29x25x2800	252 627		550	Countersunk head screw M4x8	251 011
3	Cable clip	250 051		551	Cap screw M4x8	022 501
4	Lint container	245 024				



10.1.1 Lint container

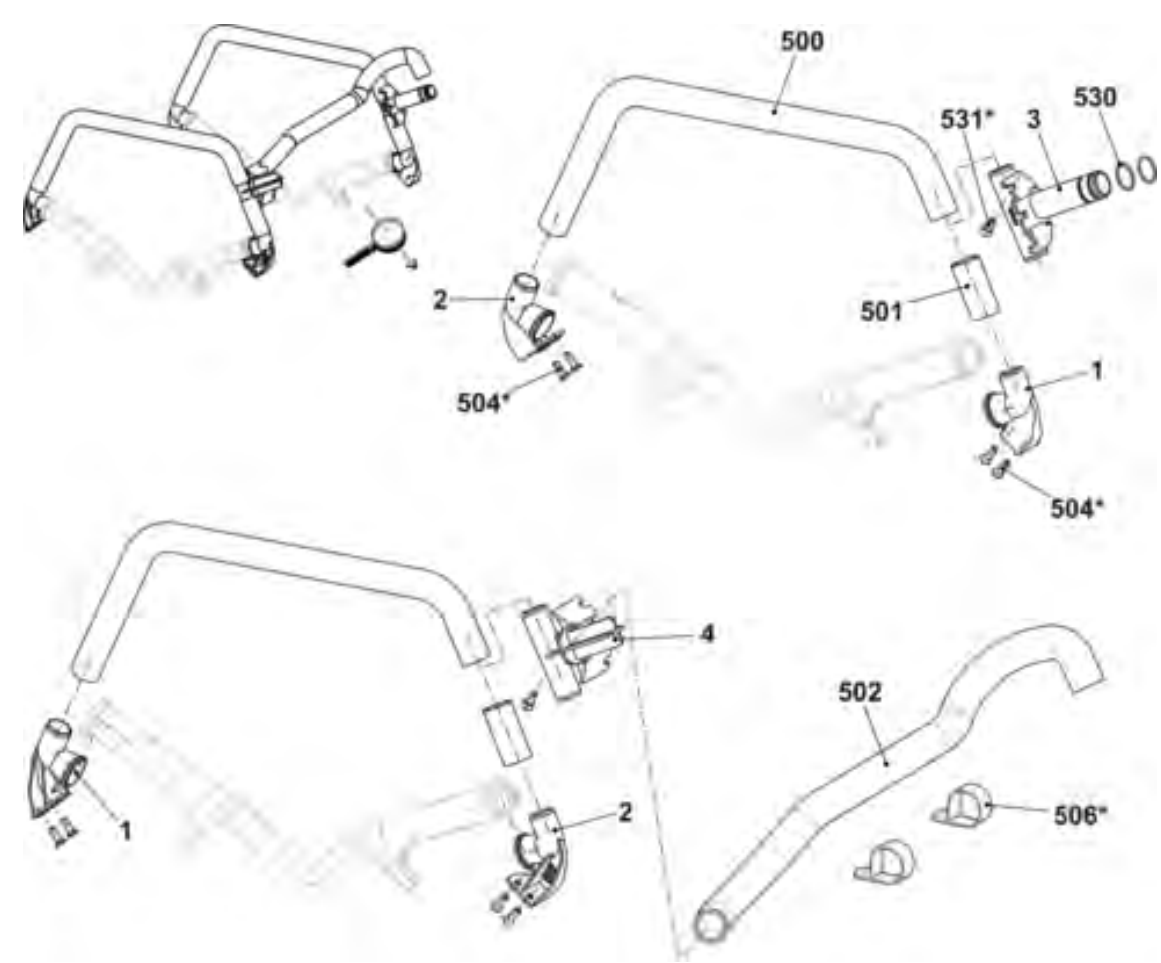
Pos	Designation	Id		Pos	Designation	Id
Σ	Lint container			6*	Sealing plug	245 029
1	Lint container	245 024		10*	Cover with filter	251 335
5*	Sealing plug	245 028		501*	Cap screw M6x10	023 690



10.1 Fluff absorption

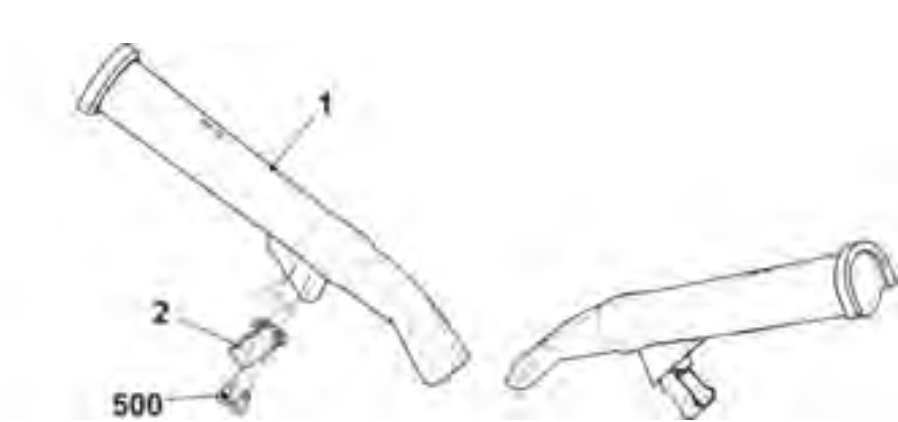
10.1.2 Hose set

Pos	Designation		ID		Pos	Designation		ID
Σ	Set of tubes complete 520		251 338		4	Connection piece Flent		245 022
1	Angle connection on the right		250 121		500	Suction hose 20x16x400		244 983
2	Angle connection on the left		251 101		501	Suction hose 20x16x40		251 043
3	T-piece FLENT		245 021		502	Suction hose 20x16x420		251 045
	530	O-ring 15x1.5	250 054		504*	Countersunk head screw M4x12		023 062
	531*	Cap screw M4x8	022 501		506*	Cable clip		250 051



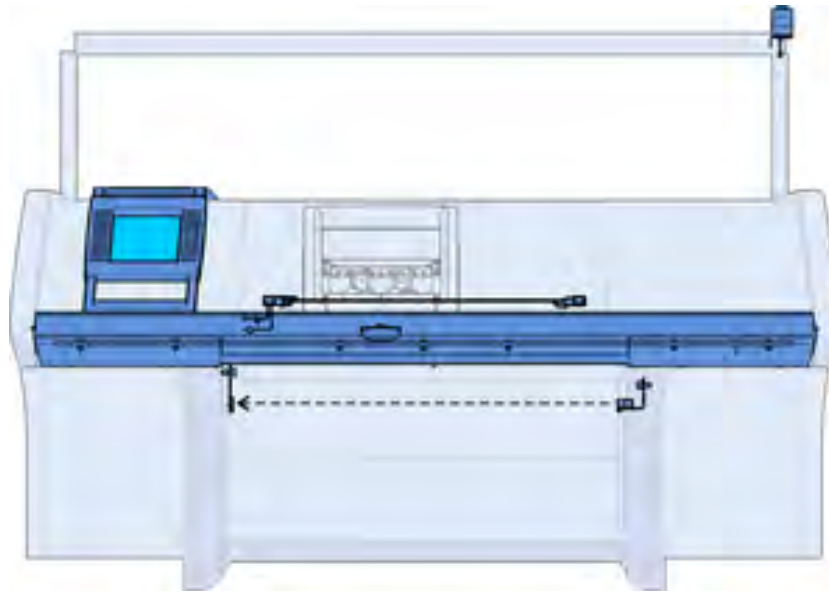
10.1.3 Suction tube

Pos	Designation	Id		Pos	Designation	Id
Σ	Suction tube complete E5-14	251 310				
	Suction tube complete E16-18	251 311				
1	Suction tube (E5-14)	255 386		2	Bracket	255 627
	Suction tube (E16-18)	255 605		500	Screw KB30x6	241 424



Notes:

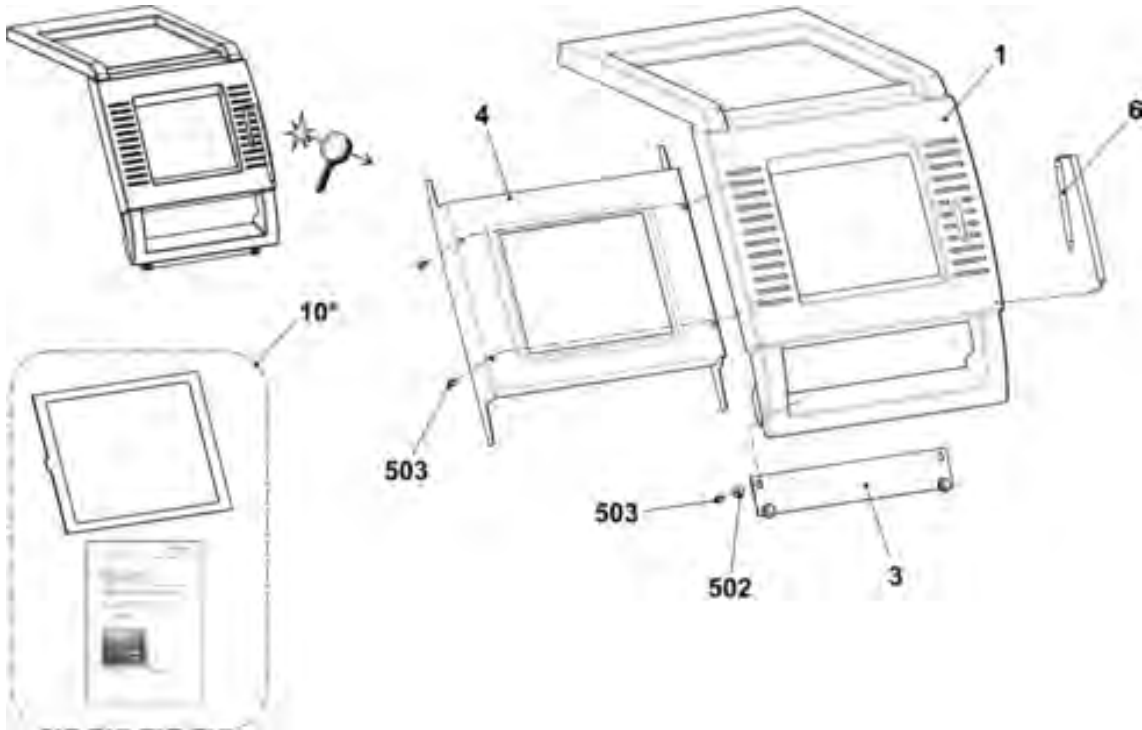
11 Operation and control



11.1 Input unit

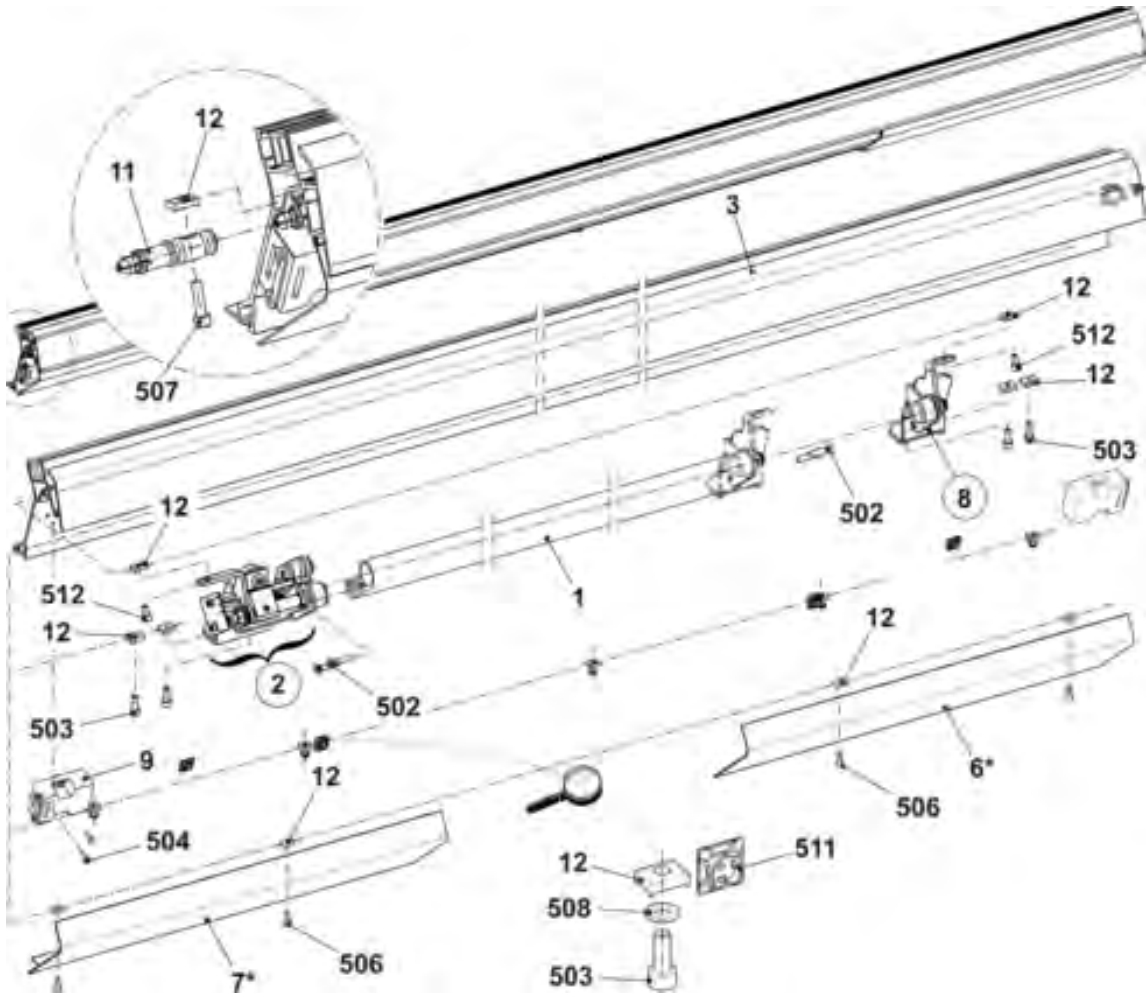
11.1 Input unit

Pos	Designation	Ident No.		Pos	Designation	Ident No.
Σ	Input unit complete	240 194		6	Touch pen	242 812
1	Base frame	240 195		10*	Touch panel spare parts package	244 554
3	Bearing strip complete	240 198		502	U-washer	020 901
4	Display touch complete	250 298		503	Screw KB 50x12	240 359



11.2 Starting unit

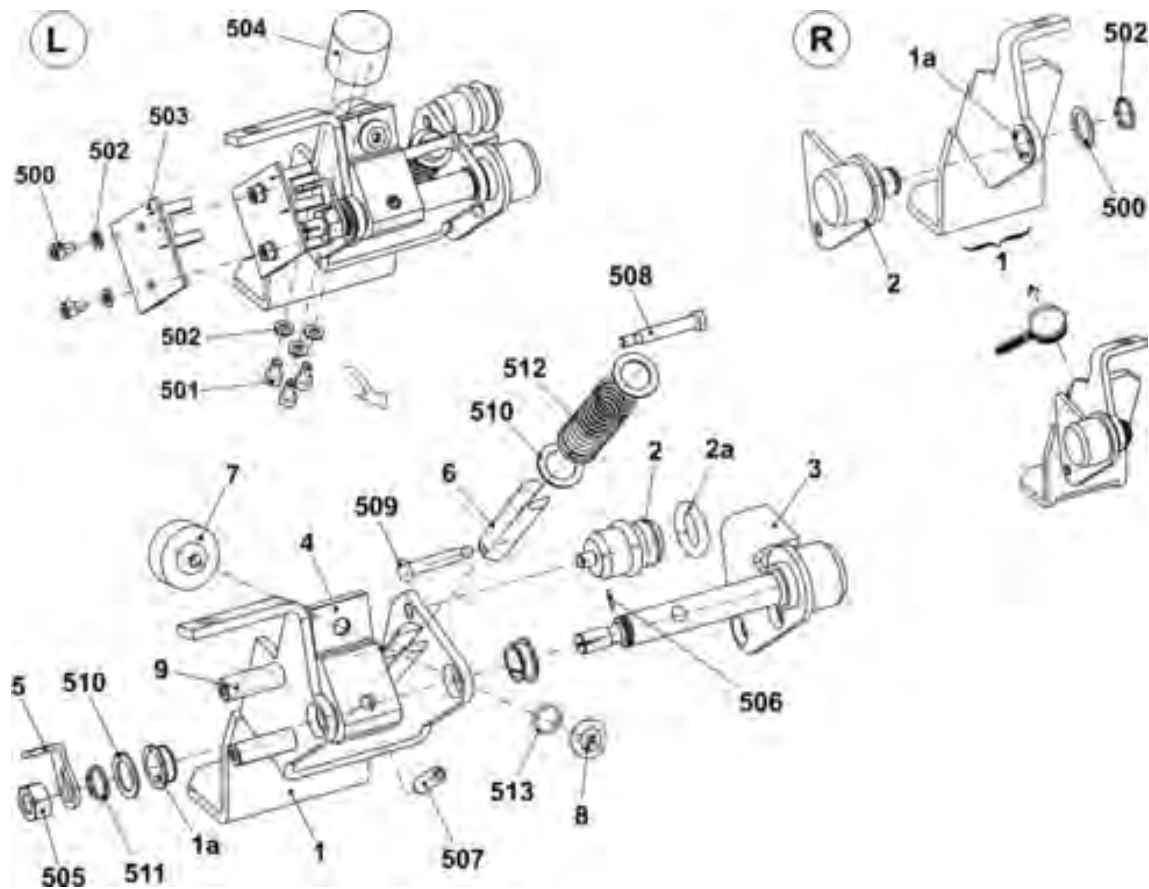
Pos	Designation	Id	Pos	Designation	Id
Σ	Starting unit complete	240 306	12	Sliding nut (sliding block)	225 099
1	Engaging rod	240 227	502	Screw M6x25	023 510
2	Bearing on the left complete	250 071	503	Cap screw M6x16	020 135
3	Guide rail at the bottom complete	257 309	504	Countersunk screw M5x14	023 588
6*	Cover plate on the right	250 931	506	Cap screw M6x12	020 134
7*	Cover plate on the left	250 932	507	Cap screw M6x20	020 136
8	Bearing on the right complete	252 964	508	U-washer	020 872
9	Switch with cable to protective hoods	223 350	511	Adhesive base	243 055
11	Fixing bolt	219 107	512	Cap screw M6x10	023 690



11.2 Starting unit

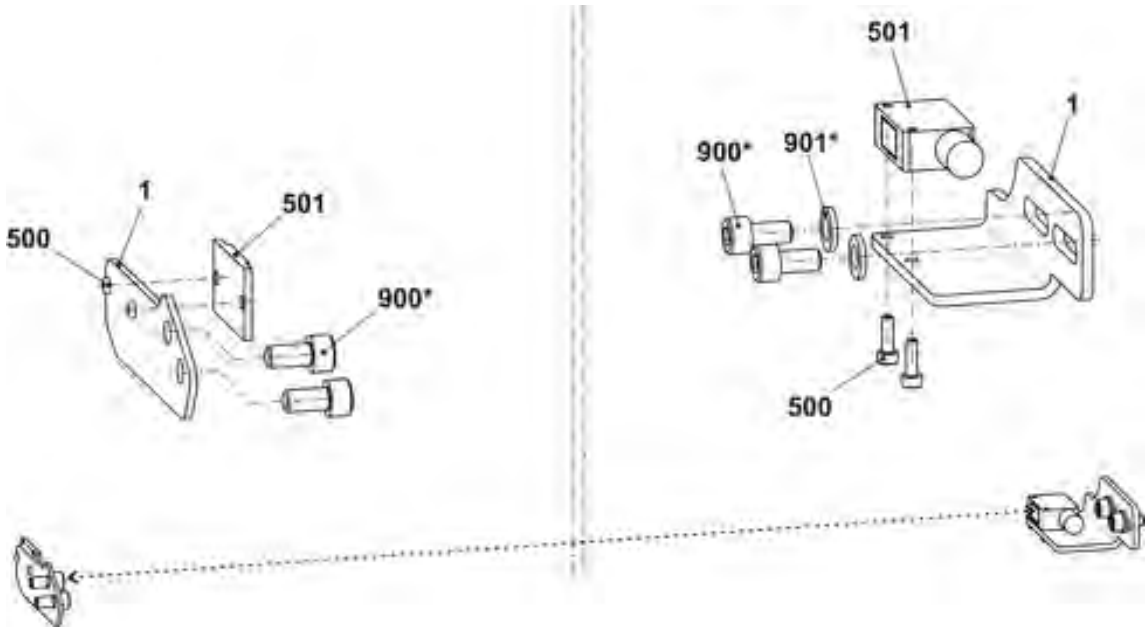
11.2.1 Bearing of the engaging rod

Pos	Designation	Id	Pos	Designation	Id
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M8-6	020 838
1a	Clip bearing MCM12-04	023 639	506	Dowel pin 1.5x8	236 923
2	Support buffer	220 561	507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237	508	Shoulder screw M4x24.8x7.7	240 299
3	Shaft on the left	245 219	509	Shoulder screw	251 316
4	Rotor	253 776	510	Shim ring 12x18x1	023 315
5	Switch flag	245 220	511	Locking ring 12x1	020 951
6	Spring pin	251 340	512	Compression spring 1.25x15x98.2	023 609
7	Disc	245 222	513	Compression spring 0.5x11x12	251 369
8	Shoulder screw	254 528			
9	Distance bolt	240 287	R	Bearing on the right complete	252 964
500	Cap screw M4x6	023 067	1	Bearing on the right	240 230
501	Cap screw M4x8	022 501	1a	Clip bearing MCM 12-04	023 639
502	Shim ring 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	240 167	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Locking ring 12x1	020 951



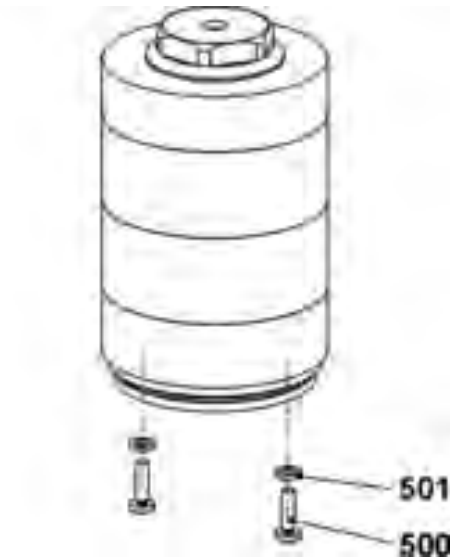
11.3 Collecting area - control

Pos	Designation	Id		Pos	Designation	Id
Σ	Reflector complete	256 826		Σ	Photoelectric sensor complete	256 825
1	Mounting plate reflector	256 675		1	Angle support photoelectric sensor	256 674
500	Blind rivet A3x8-Al	023 158		500	Cap screw M3x10	022 991
501	Reflector 20x20 mm	243 356		501	Photoelectric sensor W100-P4330	243 355
900*	Cap screw M6x12	020 134		900*	Cap screw M6x12	020 134
				901*	U-washer 6	020 872



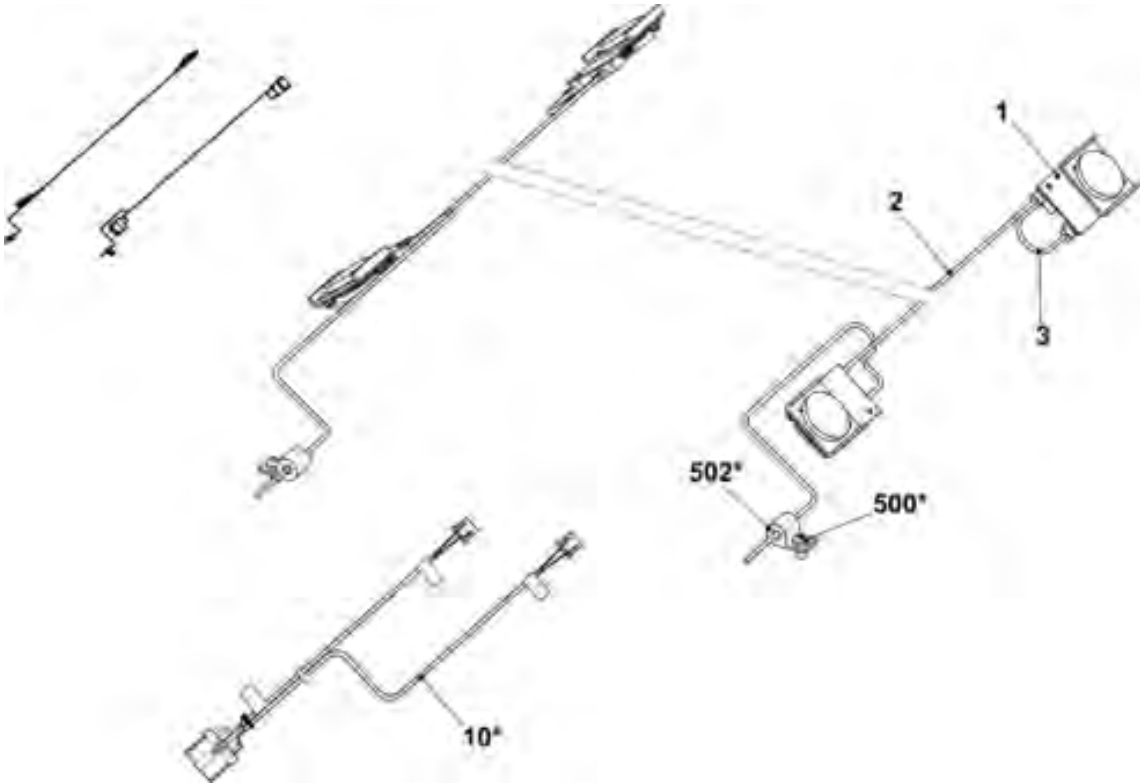
11.4 Signal light

Pos	Designation		Id		Pos	Designation		Id
Σ	Warning light LED		240 395					
	500	Countersunk screw M4x14	023 037					
	501	Serrated lock washer A4.3-FS	022 482					



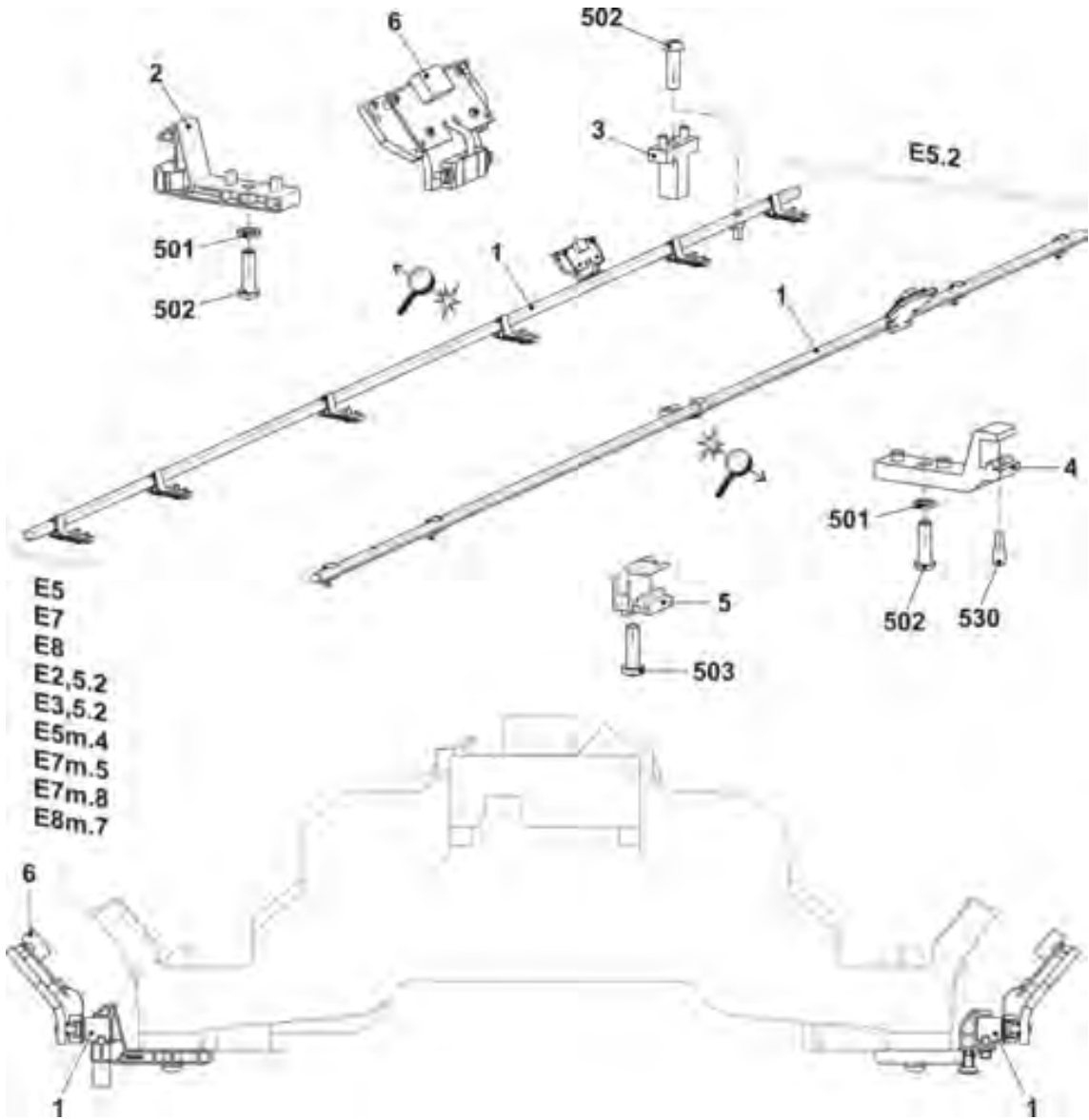
11.5 Shock stop motion

Pos	Designation	Id		Pos	Designation	Id
Σ	Shock stop motion complete E5-14	241 819				
1	Shock stop motion (Piezo)	220 011		10*	Cable piezo NB	240 518
2	Connecting cable piezo sensor	220 061		500*	Countersunk screw M4x8	023 036
3	End plug piezo sensor	220 053		502*	Cable clip N-3B, 5 mm	210 729



11.6 Measuring device

Pos	Designation	Id		Pos	Designation	Id
Σ	Measuring device					
1	Measuring bar	240 229		6	Measuring head complete	240 562
2	Guidance	251 676		501	U-washer	020 881
3	Stop point	209 289		502	Countersunk screw	241 603
4	Guidance	240 672		503	Screw 60x20	243 625
5	Guidance exterior	251 605		530	Set screw	230 803

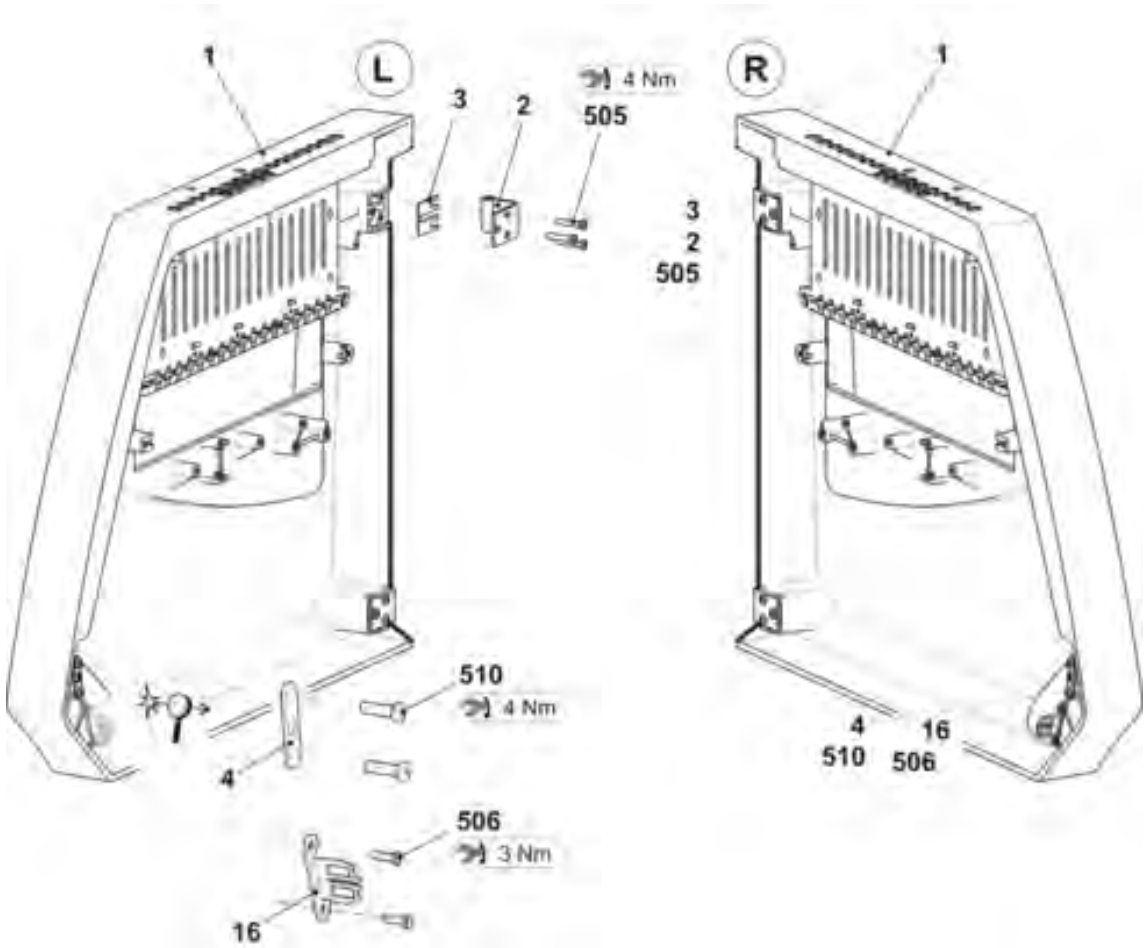


12 Protective units



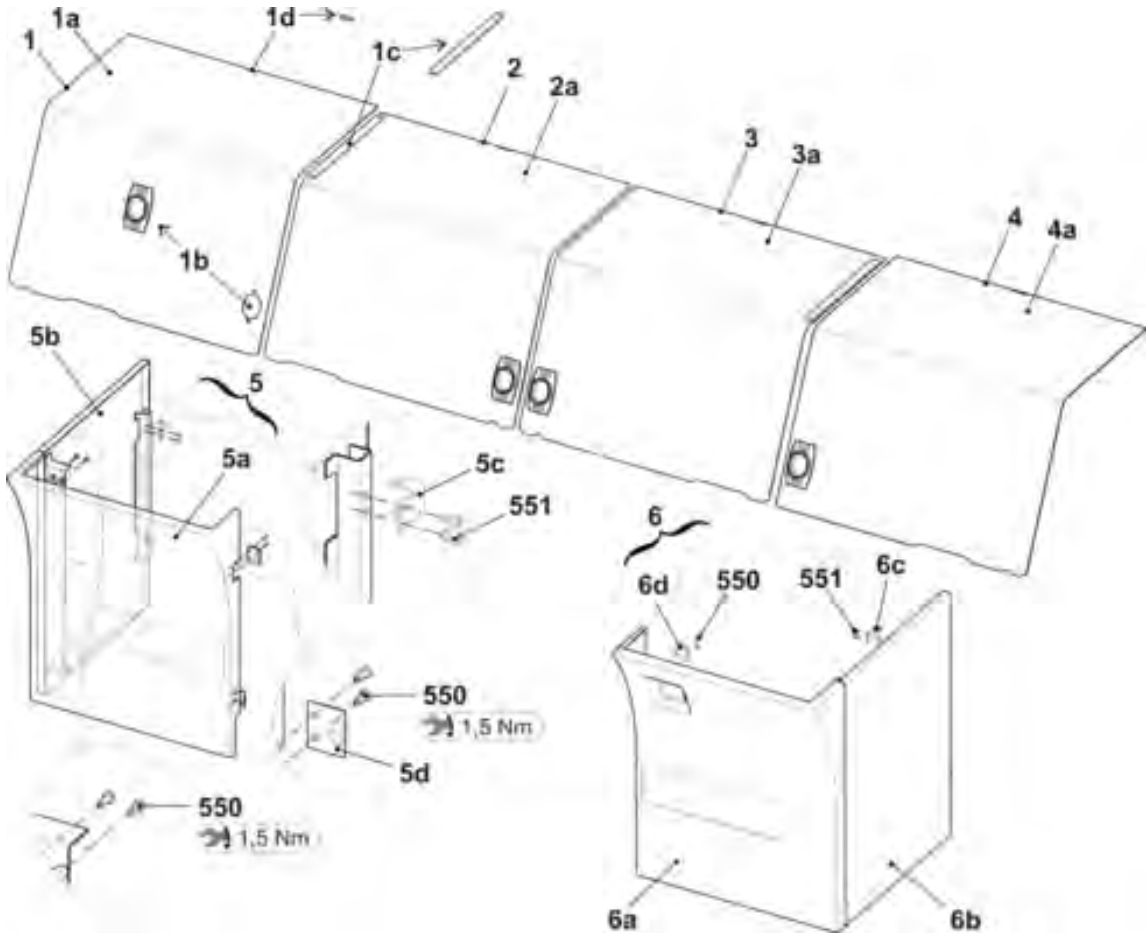
12.1 Lateral safety covers

Pos	Designation	Id		Pos	Designation	Id
Σ	Safety cover on the left			Σ	Safety cover on the right	
1	Safety cover on the left	250 562		1	Safety cover on the right	250 563
2	Hinge	241 994		2	Hinge	241 994
3	Plate	224 717		3	Plate	224 717
4	Locking plate	219 748		4	Locking plate	219 748
16	Operator AZ 15/16	255 492		16	Operator AZ 15/16	255 492
505	Screw KB 60x30	237 683		505	Screw KB 60x30	237 683
506	Screw KB40x14	241 358		506	Screw KB40x14	241 358
510	Screw KB 60x20	237 682		510	Screw KB 60x20	237 682



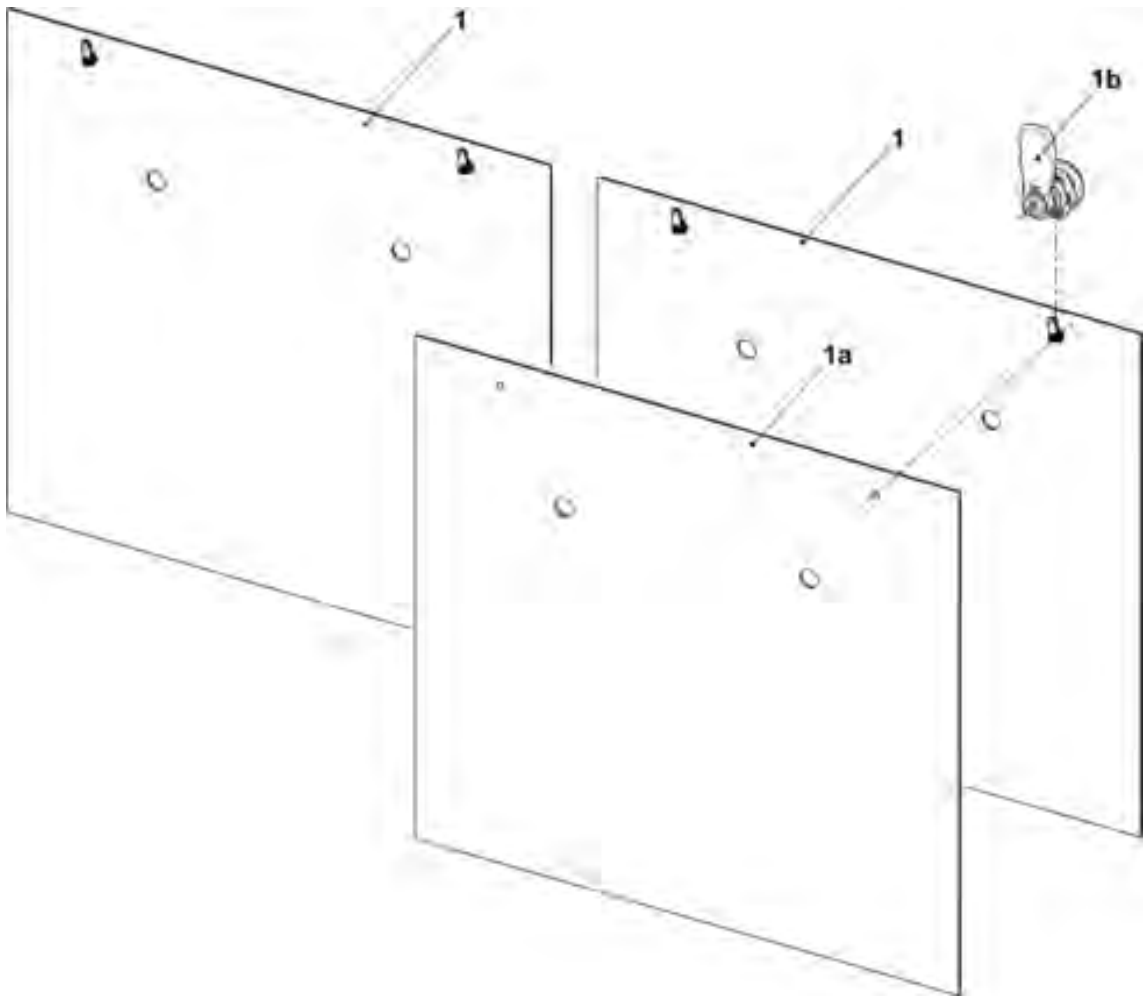
12.2 Panelling

Pos	Designation		Id		Pos	Designation		Id
1	Cover 1 complete		257 303		3	Cover 3 complete		257 305
	1a	Cover 1	257 296			3a	Cover 3	257 298
	1b	Inlet type handle	251 376			1b	Inlet type handle	251 376
	1c	Stripper	219 393			1c	Stripper	219 393
	1d	Magnet	204 666			1d	Magnet	204 666
2	Cover 2 complete		257 304		4	Cover 4 complete		257 306
	2a	Cover 2	257 297			4a	Cover 4	257 299
	1b	Inlet type handle	251 376			1b	Inlet type handle	251 376
	1c	Stripper	219 393			1c	Stripper	219 393
	1d	Magnet	204 666			1d	Magnet	204 666
5	Control unit panelling on the left complete		251 233		6	Control unit panelling on the right complete		251 234
	A5	Control unit panelling on the left	251 185			A6	Control unit panelling on the right	251 186
	5b	Side part	244 989			6b	Side part	244 989
	5c	Hinge	250 273			6c	Hinge	250 273
	5d	Strap	240 412			6d	Strap	240 412
	550	Screw KB 50x12	240 359			550	Screw KB 50x12	240 359
	551	Cap screw M8x25	020 135			551	Cap screw M8x25	020 135

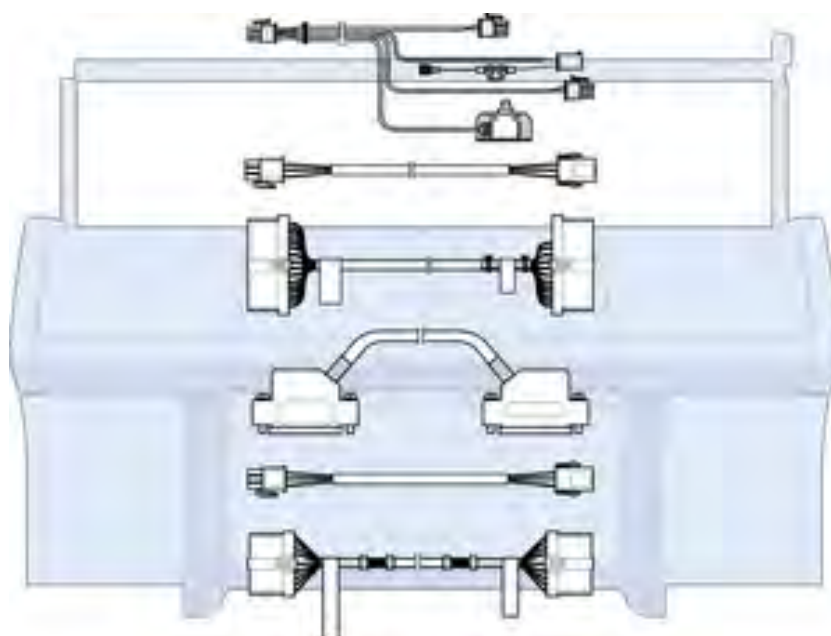


12.3 Rear panel

Pos	Designation	Id		Pos	Designation	Id
1	Panelling at the rear complete	257 668		1a	Panelling	257 662
				1b	Safety sash fastener	243 052



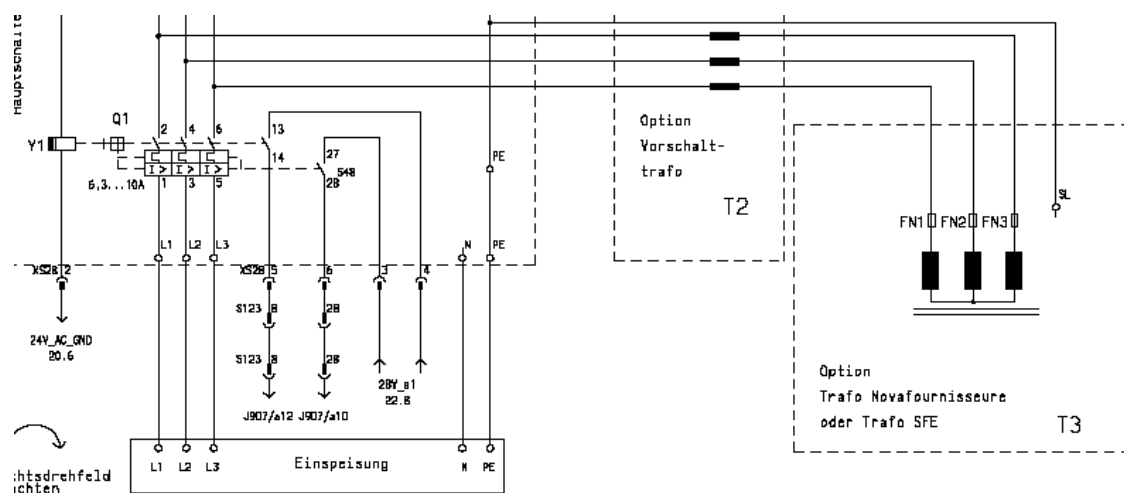
13 Electrical equipment



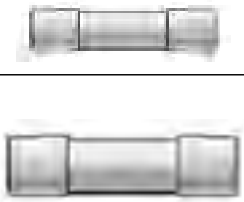
13.1 Circuit diagram (222) as PDF

Designation	Id	Marking
Circuit diagram 222 German	257 280	_DE
Circuit diagram 222 English	257 280	_GB
Circuit diagram 222 Chinese	257 280	_CN

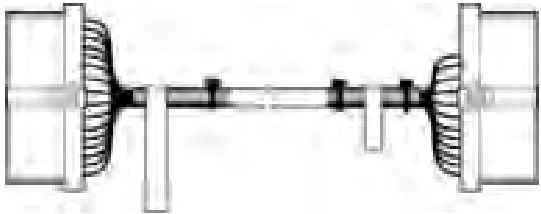
You will find the circuit diagram 222 on the CMS documentation DVD with the ID 257 157



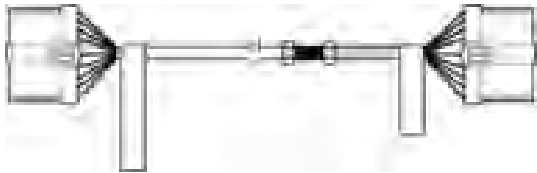
13.2 Fuses

Designation		Ident No.
	Fuse 1.0A F 5x20	008 748
	Fuse 3.15A T/440V 6.3x32	025 261
	Fuse 10A T/440V 6.3x32	025 258
	Fuse 2.5A T/440V 6.3x32	217 465
	Fuse 1.6A T/440V 6.3x32	236 229
	Fuse 6.3A T/440V 6.3x32	026 809
	Fuse 8A T/440V 6.3x32	241 866
	Fuse 12.5A T/440V 6.3x32	232 367

13.3 Trailing cable E5-2

Designation		Id	Designation		Id
Σ	Trailing cable set 520 2 IMP E10-18	254 885			
	Cable carriage at the rear XR332	255 054		Cable impulse giver at the rear XR136	255 050
					
	Cable carriage at the front XR333	254 888		Cable impulse giver at the front XR137	254 887
					
	Cable yarn carrier XR161	254 886			
					

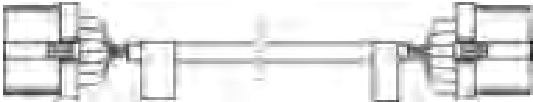
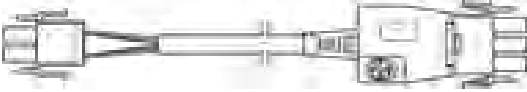
13.4 Trailing cable E5-8

Designation		Id	Designation		Id
Σ	Trailing cable set 520 1 IMP E5-8	254 884			
	Cable carriage at the rear XR332	255 054		Cable yarn carrier XR161	254 886
					
	Cable carriage at the front XR333	254 888		Cable impulse giver at the rear XR136	255 050
					

13.5 Cable set installation

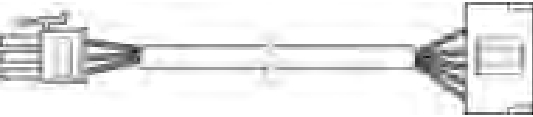
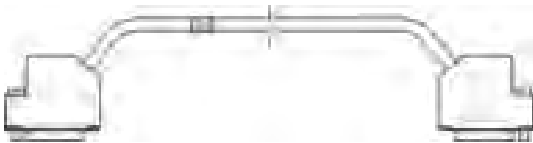
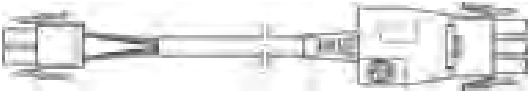
Designation			Designation		
Σ	Cable set installation	253 618			
1	Loom of cables base 1 OKC	253 619	3	Loom of cables	253 621
2	Loom of cables base 2	240 257	4	Loom of cables comb	240 259
6	Cable switch main take-down 50"	252 541	7	Cable mains supply FKE lamp	252 587
					

13.5.1 Loom of cables base 1

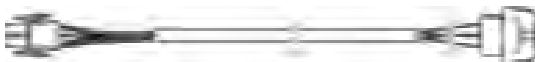
Designation		Id	Designation		Id
Σ	Loom of cables base 1 OKC	253 619			
	Cable Engaging rod	252 538		Cable protective unit on the left	253 620
					
	Cable Feed wheel on the left 50"	240 464			
					

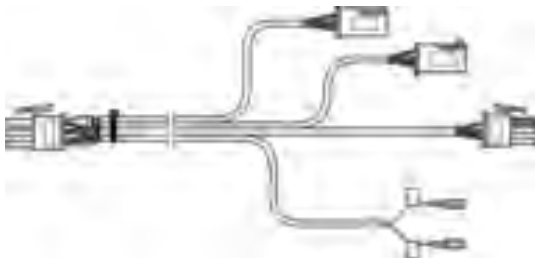
13.5 Cable set installation

13.5.2 Loom of cables base 2

Designation		Id	Designation		Id
Σ	Loom of cables base 2	240 257			
	Cable motor HAAB	240 291		Cable resolver drive	240 296
					
	Cable limit switch racking	240 292		Cable Racking motor	240 297
					
	Cable ventilator drive	240 293		Cable resolver racking	240 298
					
	Cable Feed wheel on the right	240 294		Cable protective unit on the right	253 441
					
	Cable Drive motor	240 295			
					

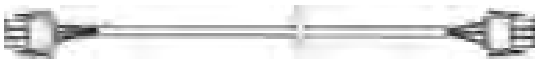
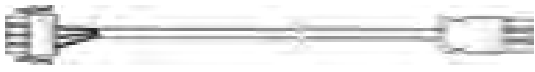
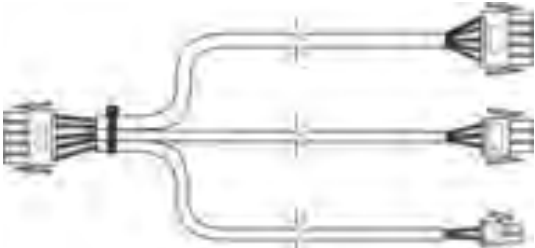
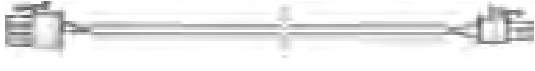
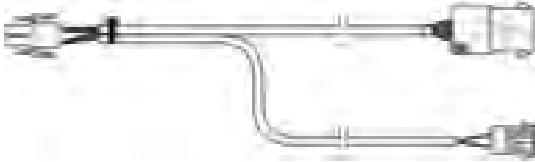
13.5.3 Loom of cables comb

Designation		Id	Designation		Id
Σ	Loom of cables comb	240 259			
	Cable motor comb hook	240 308			
					
	Cable switch KAHA	240 309			
					
	Cable motor comb	240 310			
					

	Cable switch comb	240 311	
			
	Cable switch HAAB	240 312	
			

13.5 Cable set installation

13.5.4 Loom of cables 5XX

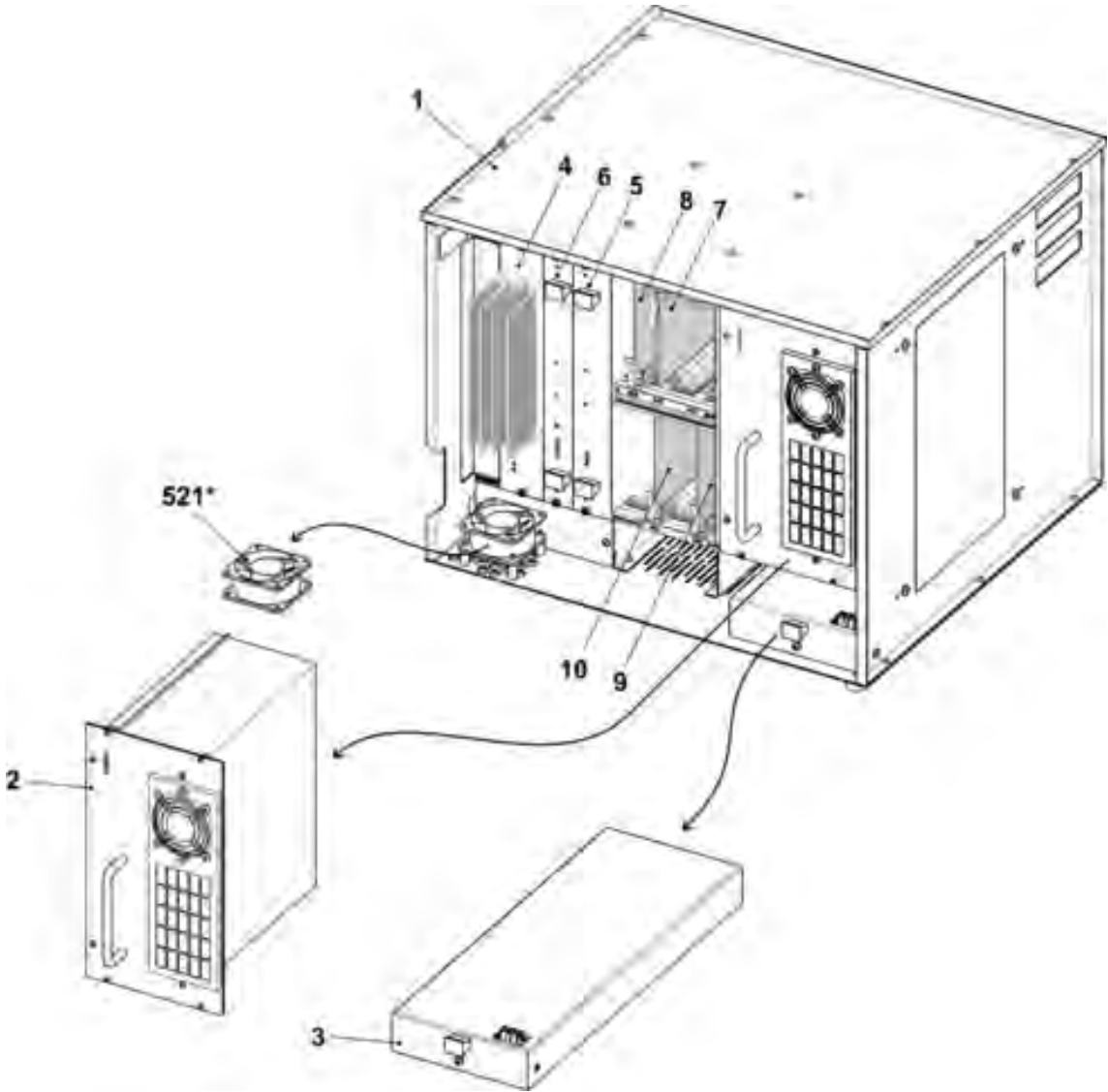
Designation		Id	Designation		Id
Σ	Loom of cables	253 621			
	Cable motor HIAB 50"	240 467		Cable power supply unit of mains supply	240 505
					
	Cable impulse giver HIAB 50"	240 468		Cable power supply lighting	236 572
					
	Cable power supply WAZ/F 50"	240 469		Cable switch auxiliary take-down	240 472
					
	Cable power supply Servo 50"	240 502		Cable power supply FLENT 50"	251 231
					

14 Control electronics



14.1 Control cabinet

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit on the right complete 520	254 852		6	Card BIO	301 007
1	Control unit without equipment	254 854		7	Card amplifier 4SM 7TE	300 943
2	Power supply unit CG54 with single channel	300 923		8	Card N-CPU 432	300 965
3	Battery plug-in unit	301 008		9	Card power CPU B	301 009
4	Card servo 6	301 000		10	Card IPC-P8X S 01	301 010
5	Card C-WAZ	301 006		521*	Axial blower Servo 5	229 059



15 Deliverable accessories

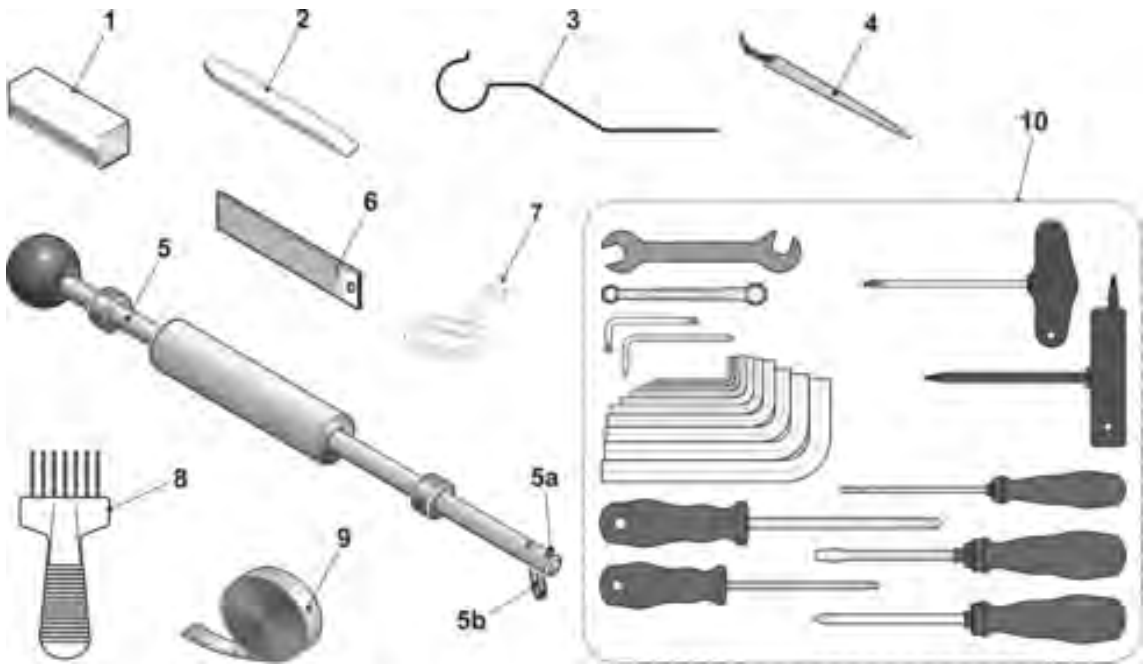


You can order the following tools, lubricants and expendables.
The following list does not correspond to the scope of delivery of the knitting machine.

15.1 Tool

15.1 Tool

Pos	Designation	Ident No.	Pos	Designation	Ident No.
1	Channel support E4	062 309	6	Groove file 0,45mm E16-18	006 169
	Channel support E5, E2,5.2	062 310		Groove file 1.25 mm E5-8, E3,5.2	006 170
	Channel support E7, E3,5.2	062 312		Groove file 0,90mm E10-12, E5.2 6.2	006 175
	Channel support E8	062 313		Groove file 0.73 mm E14, E7.2	006 173
	Channel support E10, E5.2	062 314		Groove file 0.45 mm E16-18, E9.2	006 179
	Channel support E12, E6.2	062 315	7	Key of switch cabinet	009 346
	Channel support E14, E7.2	218 069	8	Groove cleaner E4	031 232
	Channel support E16, E8.2	230 188		Groove cleaner E5	031 233
	Channel support E18, E9.2	230 189		Groove cleaner E6	031 234
	Channel support E20	230 190		Groove cleaner E7, E3,5.2	031 235
2	Channel chisel E14-20 (E5-14)	062 316		Groove cleaner E8	031 236
	Channel chisel E4-8 (E3,5.2)	062 317		Groove cleaner E10 (E5.2)	031 238
	Channel chisel E10-14	062 318		Groove cleaner E12 (E6.2)	031 240
3	Yarn guide on the left	227 071		Groove cleaner E14 (E7.2)	031 242
	Yarn guide on the right	227 070		Groove cleaner E16	225 111
4	Working hook	227 249		Groove cleaner E18 (E9.2)	225 112
5	Extraction hook	232 027		Groove cleaner E20	225 113
	5a Small pin	202 843	9	Measuring tape L=150 cm	228 180
	5b Pin	232 022	10	Tool kit	209 527



15.2 Lubricating stuff

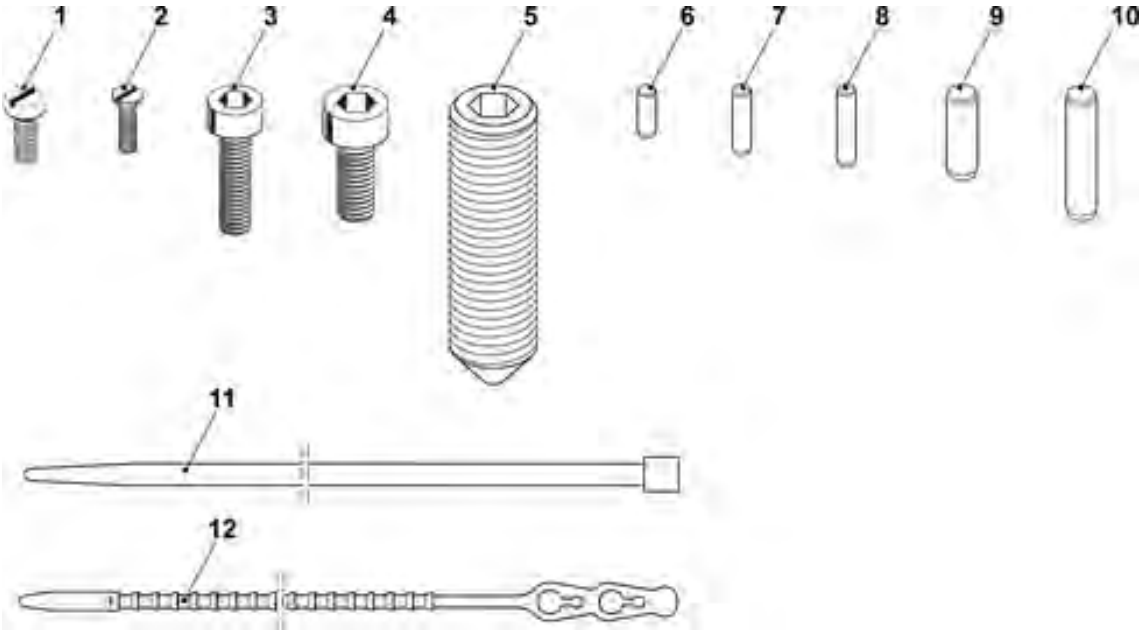
Pos	Designation	Ident No.		Pos	Designation	Ident No.
1	Textile machines oil T46, 1l	230 614		4	Oil combifix	216 732
2	Grease OKS 475, 1kg	009 200		5	White grease paste OKS270	229 372
3	Grease OKS 475, 150g	005 351		6	Grease Staburags NBU 12/300KP	231 191



15.3 Mechanical parts

15.3 Mechanical parts

Pos	Designation	Ident No.		Pos	Designation	Ident No.
1	Cap screw M4x8	020 091		11	Cable binder 203x3.6 mm	025 815
2	Countersunk screw M3x6	020 286			Cable binder T50L	026 294
3	Cap screw M5x16	022 726			Cable binder 140x3.6mm	008 379
4	Cap screw M6x14	022 658			Cable binder 302x4.8mm	008 642
5	Set screw M16x50	023 235			Cable binder 92x2.4mm	008 378
6	Setting pin 3x7	020 643		12	Reusable tie ABV 232 320 mm	026 557
7	Setting pin 3x10	020 645				
8	Setting pin 3x12	020 647				
9	Setting pin 5x12	021 988				
10	Setting pin 5x18	022 622				



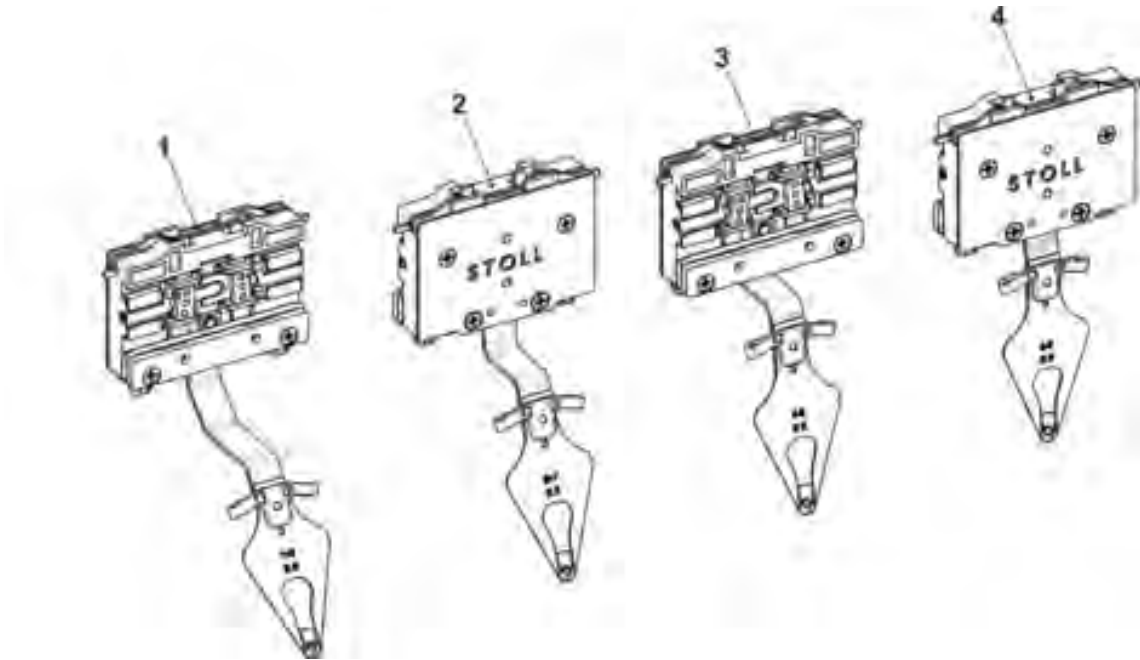
16 Special attachments



16.1 Complete intarsia yarn carriers type 2

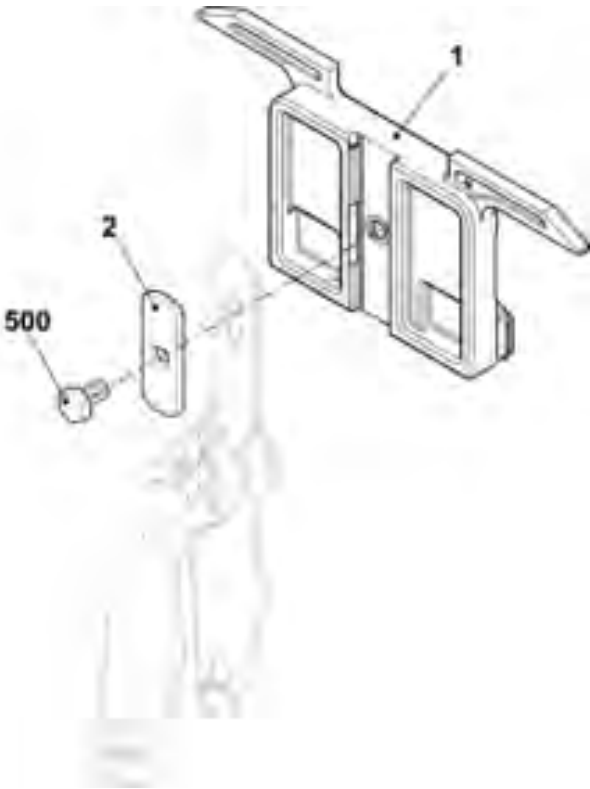
16.1 Complete intarsia yarn carriers type 2

Designation	Gauge	Track	Pos	Id		Designation	Gauge	Track	Pos	Id
IYC carriage complete	E5 E 3,5.2 E5.2	1 8	1	250 319		IYC carriage complete	E7 E8	1 8	1	250 323
		2 7	2	250 320				2 7	2	250 324
		3 6	3	250 321				3 6	3	250 325
		4 5	4	250 322				4 5	4	250 326



16.2 Carriage of plating yarn carrier

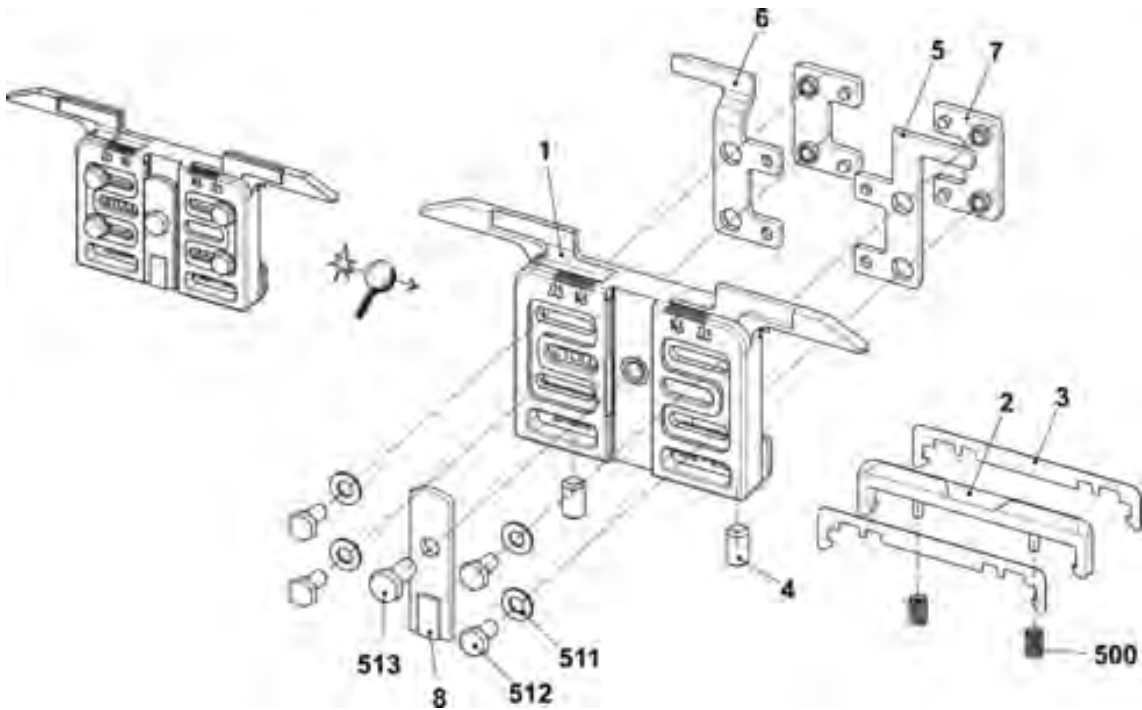
Pos	Designation	Id		Pos	Designation	Id
Σ	Plating YC carriage complete E5-18	244 998				
1	YC carriage MW46	244 253		500	Hexagon screw M5x10	020 351
2	Shim 0.2x12x75	213 035				



16.3 Carriage of plating yarn carrier (adjustable)

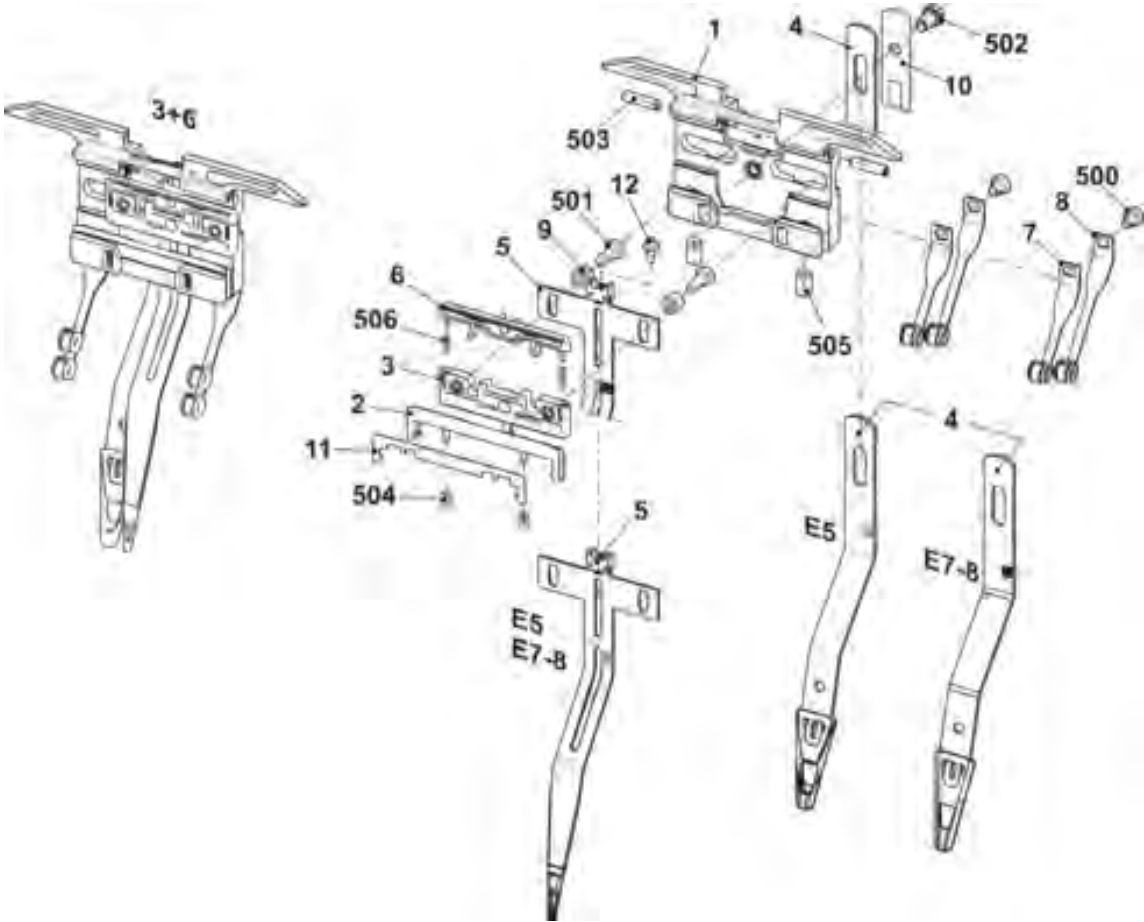
16.3 Carriage of plating yarn carrier (adjustable)

Pos	Designation	Ident No.	Pos	Designation	Ident No.
Σ	Plating yarn carrier carriage complete	251 867			
1	Carriage of yarn carrier	251 864	7	Guiding part	253 226
2	Sliding piece	212 583	8	Shim 0,03x11x80	213 035
3	Shim 0,03x11x80	216 143	500	Compression spring	021 399
4	Threaded bolt	213 399	511	U-washer 4	022 481
5	Insert on the right	251 866	512	Hexagon screw M4x8	022 461
6	Insert on the left	251 865	513	Hexagon screw M5x10	020 351



16.4 Plating yarn carrier 3+6

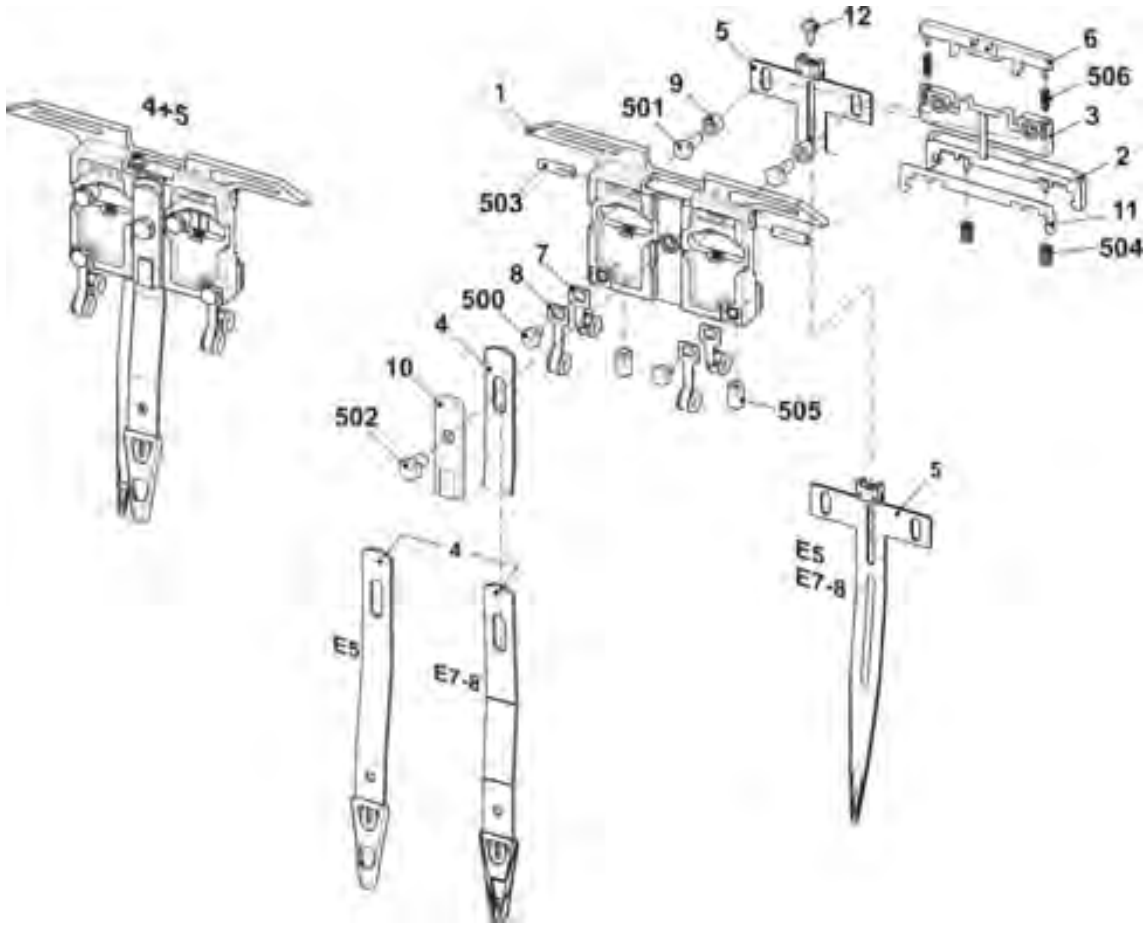
Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 3+6 complete		8	Eyelet holder complete	252 824
	E5 E3,5.2 E5.2	252 782	9	Spacer	252 796
	E7 E8	252 784	10	Shim 0.2x12x75	213 035
1	Plating yarn carrier carriage	252 806	11	Shim 0.2x12x75	216 143
2	Sliding piece	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screw M6x16	243 779
4	Plating yarn carrier bow 3+6		501	Hexagon screw M4x10	020 346
	E5	252 820	502	Hexagon screw	252 832
	E7-8	252 821	503	Set screw M4x16	254 196
5	Plating yarn carrier bow 3+6 E5-8	252 800	504	Compression spring	021 399
6	Sliding piece	252 797	505	Threaded bolt	213 399
7	Eyelet holder complete	252 825	506	Compression spring	253 058



16.5 Plating yarn carrier 4+5

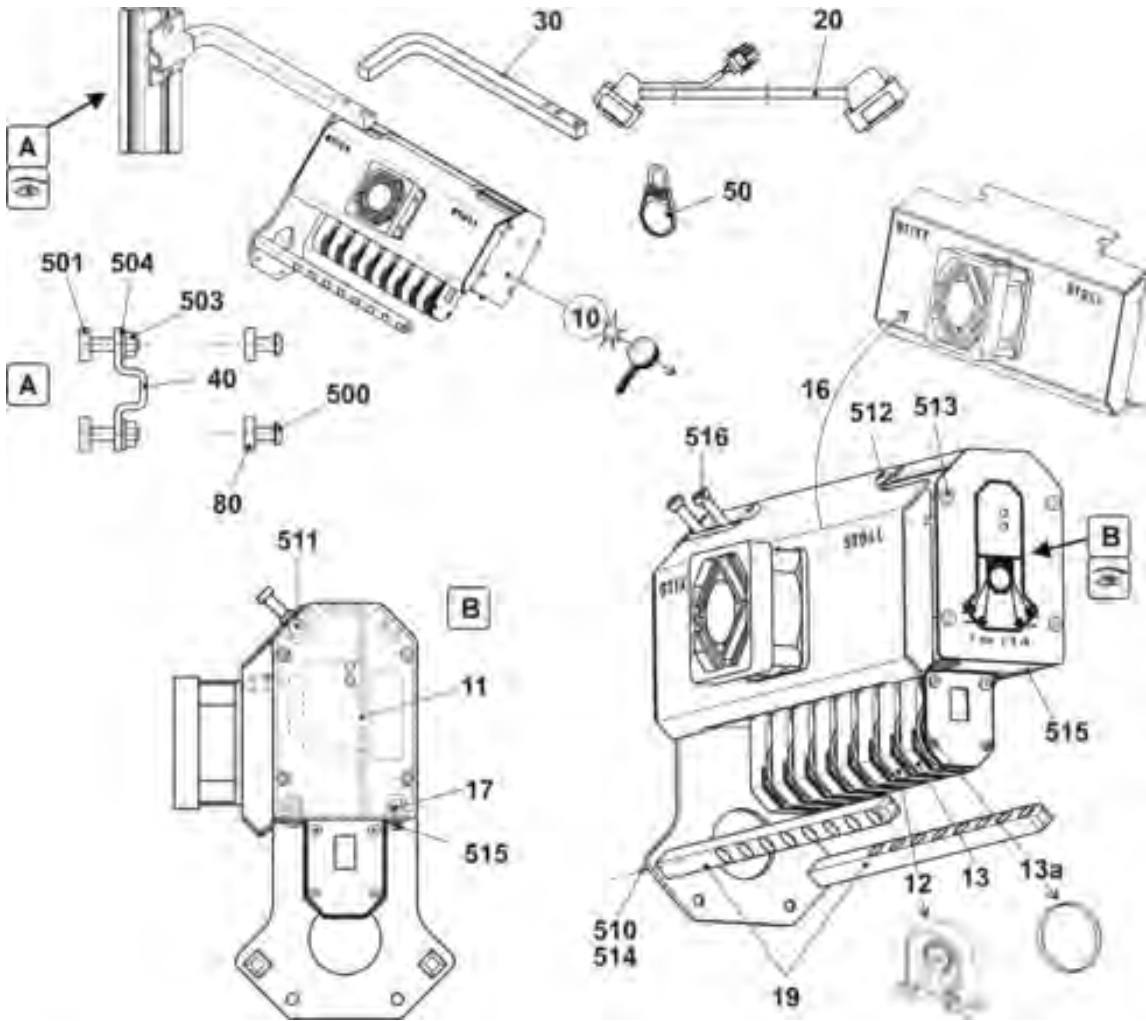
16.5 Plating yarn carrier 4+5

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 4+5 complete		8	Eyelet holder complete	252 816
	E5 E3,5.2 E5.2	252 781	9	Spacer	252 796
	E7 E8	252 783	10	Shim 0.2x12x75	213 035
1	Plating yarn carrier carriage	252 806	11	Shim 0.2x12x75	216 143
2	Sliding piece	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screw M6x16	243 779
4	Plating yarn carrier bow 4+5		501	Hexagon screw M4x10	020 346
	E5	252 790	502	Hexagon screw	252 832
	E7-8	252 791	503	Set screw M4x16	254 196
5	Plating yarn carrier bow 4+5 E5-8	252 799	504	Compression spring	021 399
6	Sliding piece	252 797	505	Threaded bolt	213 399
7	Eyelet holder complete	252 815	506	Compression spring	253 058



16.6 Yarn length measuring device

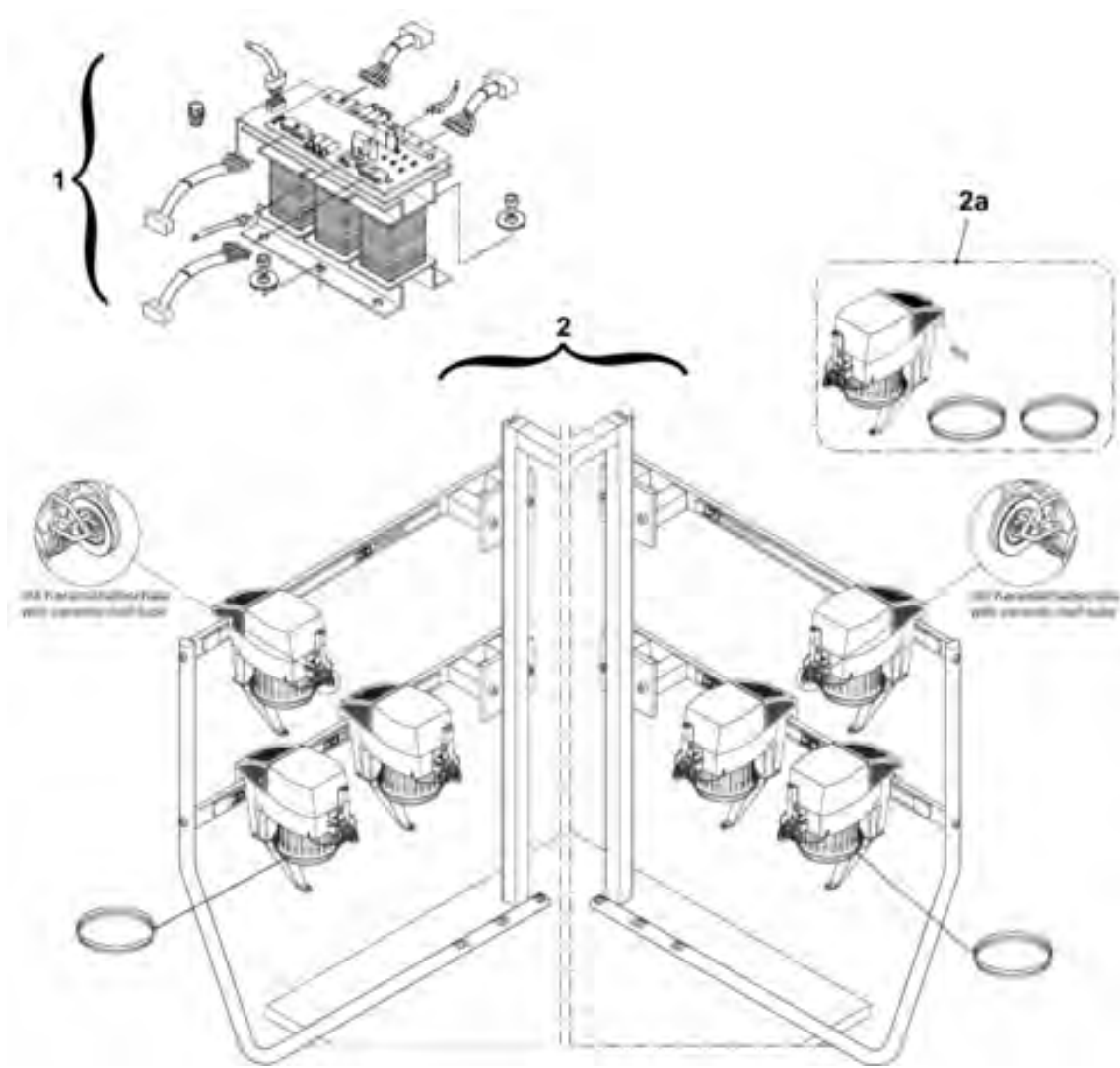
Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device complete	228 943	10	Yarn length measuring device 3	236 275
20	Cable length measuring device	236 718	11	Card FLM CPU	300 934
30	Support	223 029	12	Sensor	211 354
40	Clamp	228 583	13	Sensor complete	212 406
50	Adjustment weight	212 241	13a	Rubber running ring	258 582
80	Threaded strip	200 223	16	Fan complete	212 255
500	Countersunk screw M8x16	023 113	17	Threaded strip	211 801
501	Hammer head bolt M8x25	022 866	19	Yarn guide rod	211 352
503	Hexagon nut M4-6	020 838	510	Pan-head screw M5x10	023 247
504	U-washer 8,4	023 248	511	Spring nut M5	022 873
			512	Pan-head screw M5x6	023 246
			513	Sheet metal screw ST3.5x13	022 940
			514	Spring washer A5	022 454
			515	Oval head screw with washer M3x10	023 380
			516	Cap screw M5X22	023 193



16.7 Feed wheel SFE

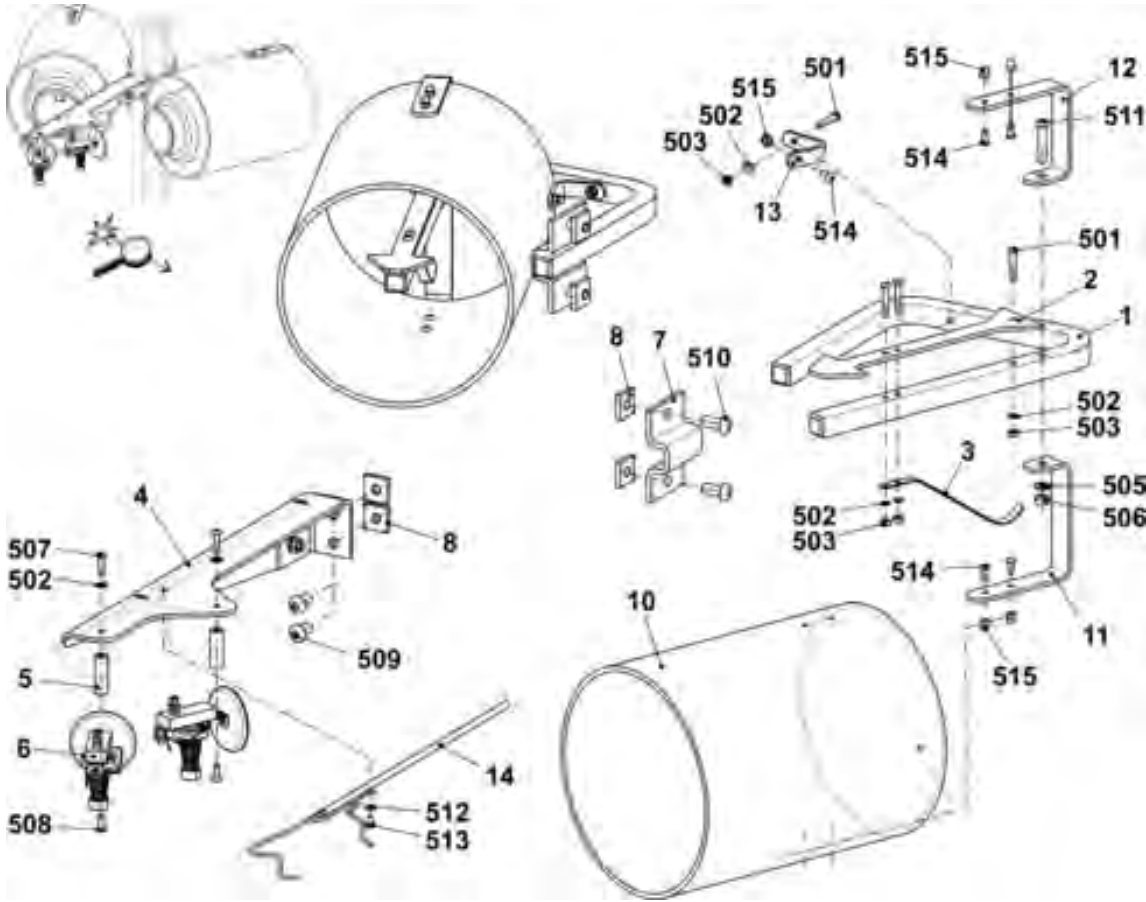
16.7 Feed wheel SFE

Pos	Designation	Id	Note
Σ	Mounted set storage feed wheel SFE	231 427	Please order the SFE spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Phone: +49 7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the SFE spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.
1	Transfo with cable	231 979	
2	Mounted set SFE without transformer	231 980	
	2a SFE feed wheel	231 537	



16.8 Bobbin holder on the left

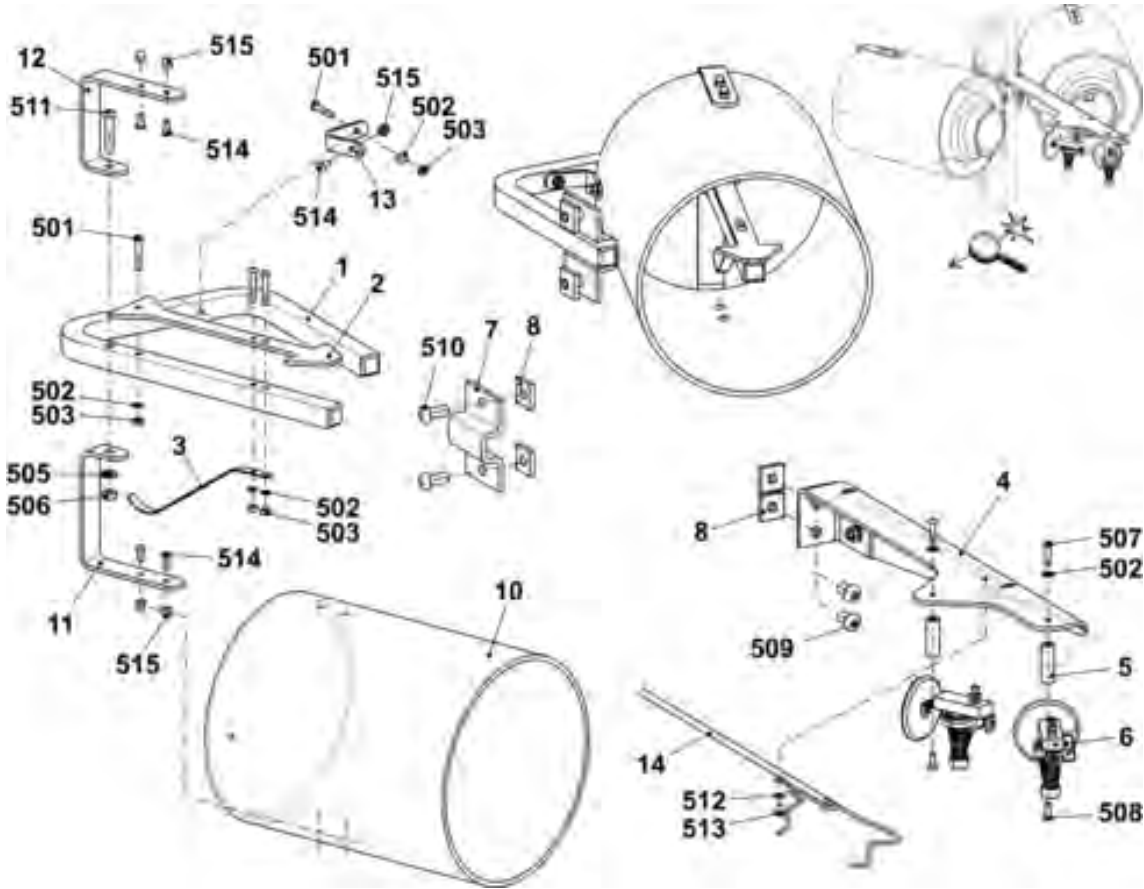
Pos	Designation	Id	Pos	Designation	Id
Σ	Bobbin holder on the left	253 965	501	Countersunk screw M4x25	023 511
1	Support	253 969	502	U-washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	U-washer 6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Countersunk screw M4x16	023 412
6	Yarn detector	226 964	508	Countersunk screw M3x10	023 062
7	Clamp	228 583	509	Countersunk screw M8x16	023 113
8	Sliding block	228 851	510	Countersunk screw M8x18	251 331
10	Cover	253 968	511	Countersunk screw M6x30	023 451
11	Support angle	253 964	512	Serrated lock washer A4.3Serrated lock washer A4.3	022 482
12	Support angle	253 963	513	Countersunk screw M4x6	022 946
13	Support angle	253 967	514	Countersunk screw M4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



16.9 Bobbin holder on the right

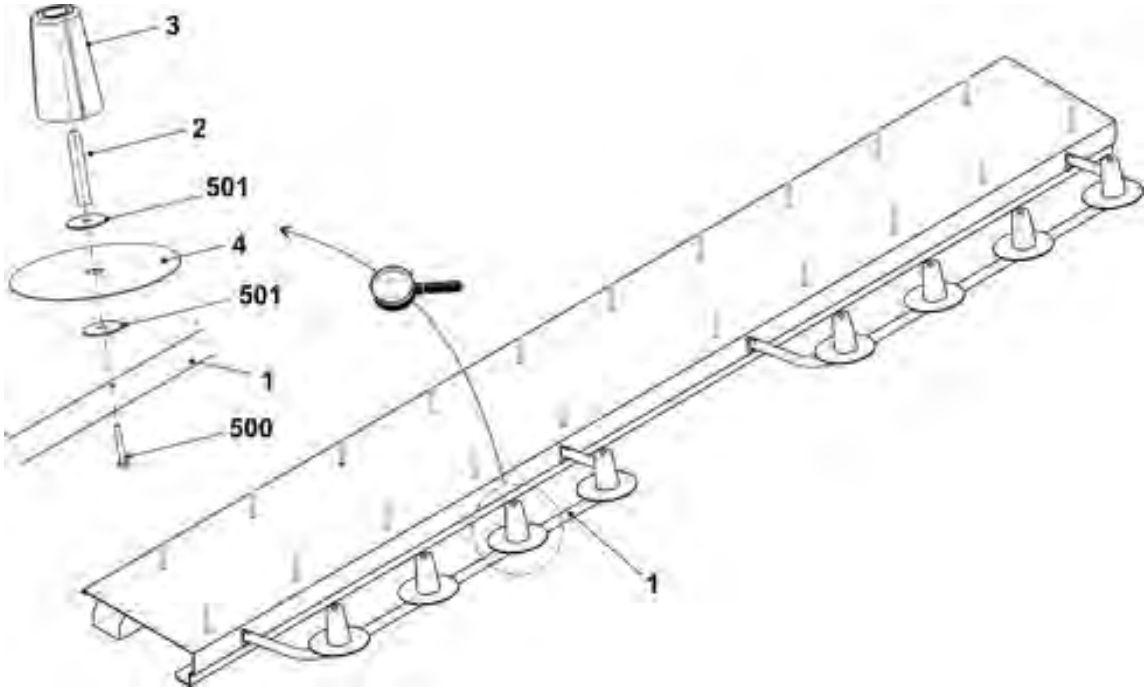
16.9 Bobbin holder on the right

Pos	Designation	Id		Pos	Designation	Id
Σ	Bobbin holder on the right	253 966		501	Countersunk screw M4x25	023 511
1	Support	253 969		502	U-washer 4	022 481
2	Support	252 769		503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350		505	U-washer 6	022 431
4	Support right	253 348		506	Hexagon nut M6-6	022 899
5	Spacer	253 349		507	Countersunk screw M4x16	023 412
6	Yarn detector	226 964		508	Countersunk screw M3x10	023 062
7	Clamp	228 583		509	Countersunk screw M8x16	023 113
8	Sliding block	228 851		510	Countersunk screw M8x18	251 331
10	Cover	253 968		511	Countersunk screw M6x30	023 451
11	Support angle	253 964		512	Serrated lock washer A4.3Serrated lock washer A4.3	022 482
12	Support angle	253 963		513	Countersunk screw M4x6	022 946
13	Support angle	253 967		514	Countersunk screw M4x10	023 450
14	Cable plating	253 468		515	Cap nut M4-6	253 805



16.10 Additional bobbin board

Pos	Designation	Id		Pos	Designation	Id
Σ	Additional bobbin board	241 852				
1	Additional bobbin board welded	241 851		4	Washer 4.3x7x0.5	062 385
2	Positioning pin	202 777		500	Pan-head screw M4x30	023 681
3	Bobbin support	200 363		501	Washer 5.3x30x1.25	023 556

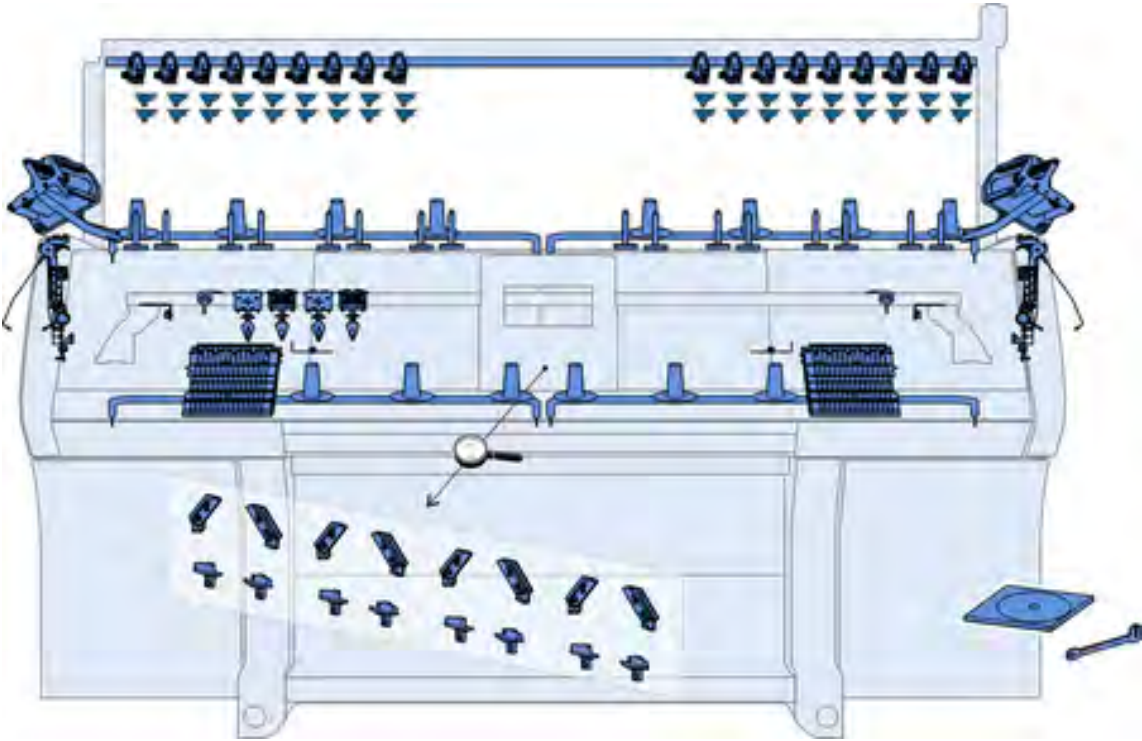


16.10 Additional bobbin board

Notes:

17 Conversion kit with 24 and 32 IFF Type 2

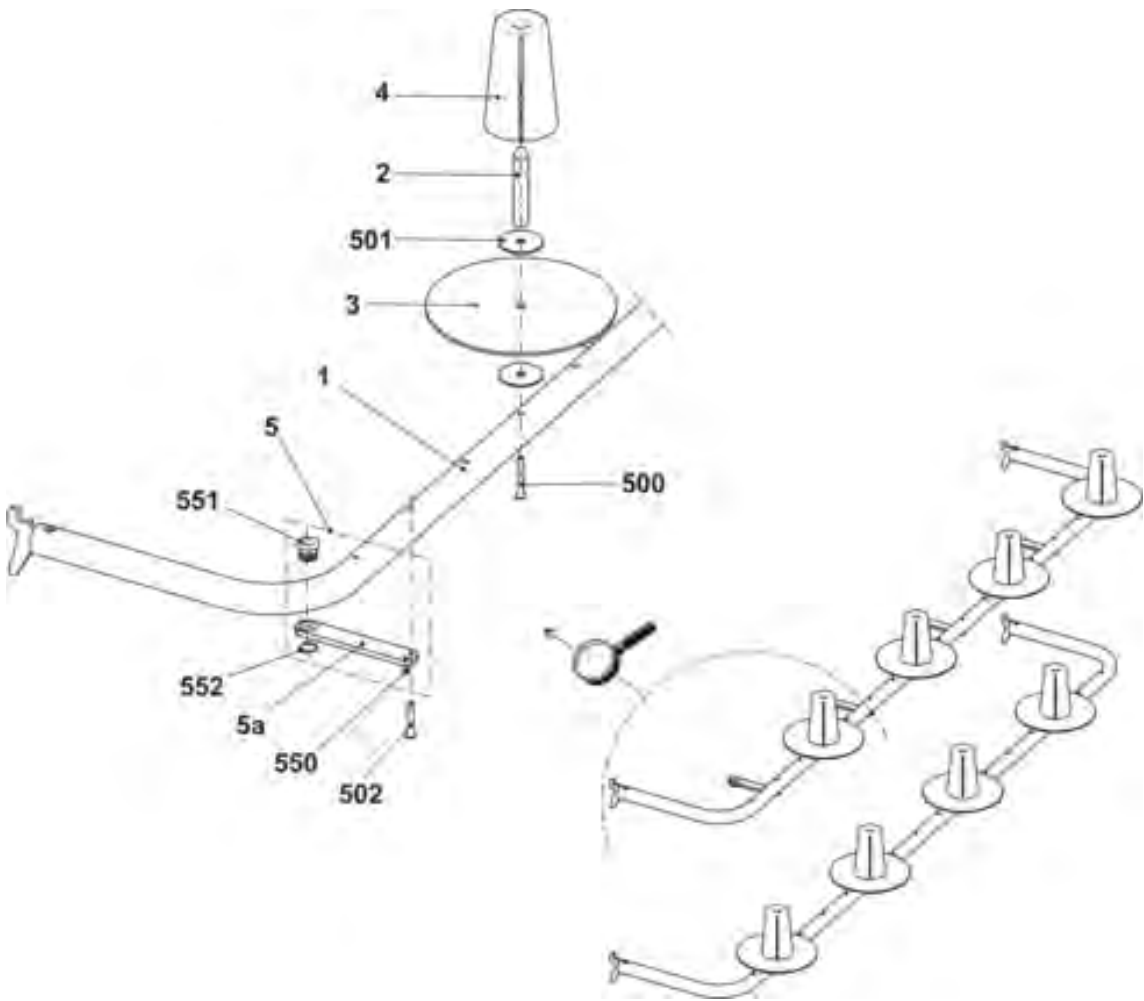
	Designation	Id
24 IFF	Conversion kit 16 IFF E5 E3,5.2 E5.2	257 605
	Conversion kit 24 IFF E7 E8	257 606
32 IFF	Conversion kit 32 IFF E5 E3,5.2 E5.2	257 541
	Conversion kit 32 IFF E7 E8	257 542



17.1 Additional board (top, bottom)

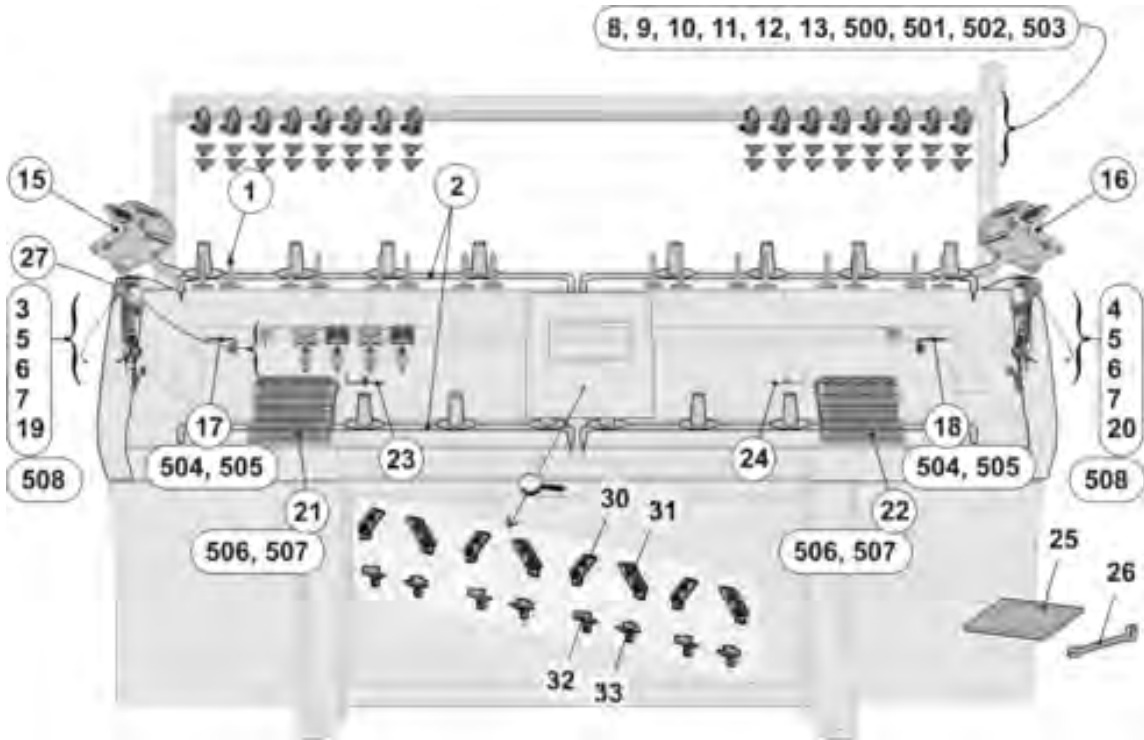
17.1 Additional board (top, bottom)

Pos	Designation		ID		Pos	Designation		ID
Σ	Additional board 50" IYC complete		244 424					
1	Additional bobbin board welded		243 608		5	550	Setting pin 3x12	020 647
2	Positioning pin		202 777			551	Eyelet	021 504
3	Disc D=130		062 385			552	Snap ring A12	020 996
4	Bobbin support		200 363		500	Countersunk screw M4x30		023 681
5	Yarn guide		243 765		501	Washer 5.3x30x1.25		023 556
	A5	Guiding part	243 623		502	Countersunk screw M4x25		023 511



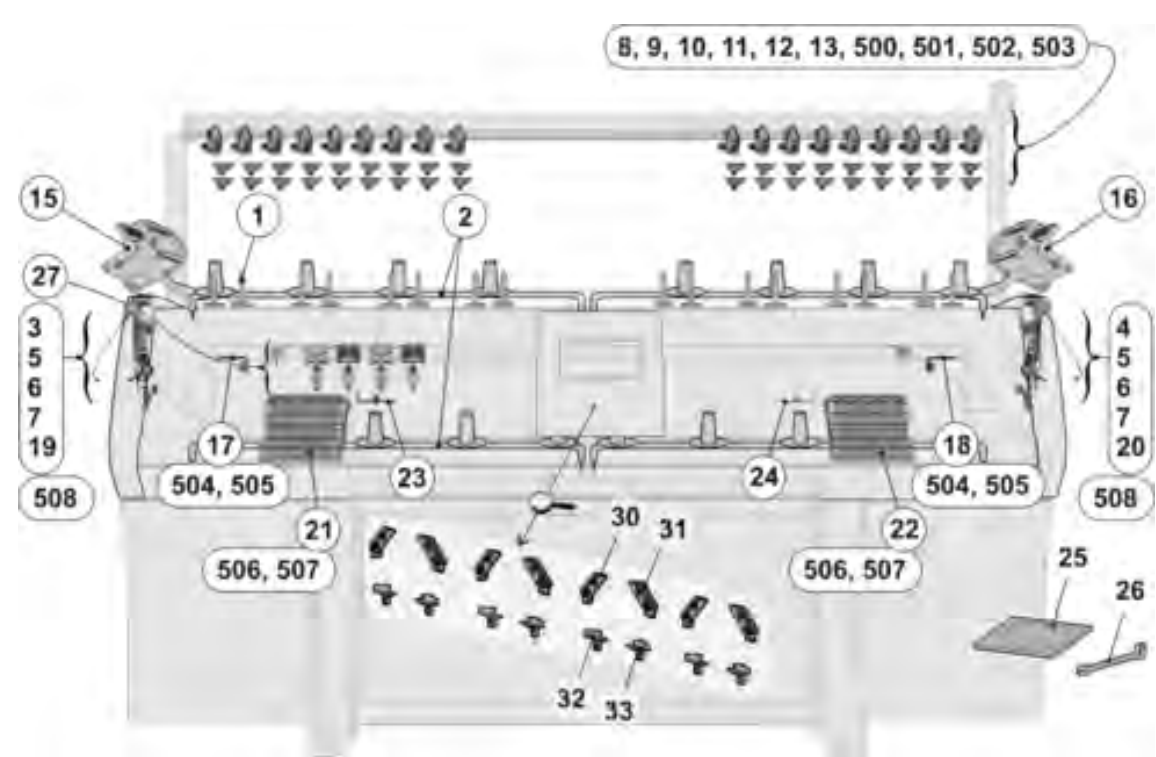
17.2 Overview of conversion kit E5 | E3,5.2 | E 5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 24 OIFF E5	257 605	21	Clamping and cutting bed on the left E5-8	253 653
	Conversion kit 32 OIFF E5	257 541	22	Clamping and cutting bed E5-8 on the right	253 652
1	Magnetic holder complete	229 373	23	Yarn brake on the left	245 031
2	Additional bobbin board 50" IFF complete	244 424	24	Yarn brake on the right	245 032
3	Yarn tensioner on the left complete E5	244 498	25	DVD instructions conversion kit IFF	245 169
4	Yarn tensioner on the right complete E5	244 501	26	Adjusting part for yarn carrier bow	250 119
5	Yarn brake complete	244 347	27	Yarn guide complete E5 IFF 24	256 934
6	Clamping bow	244 409		Yarn guide complete E5 IFF 32	245 161
7	Ceramic eyelet	240 640	30	Stitch cam on the left short tuck	212 130
8	Yarn guide bar	240 324	31	Stitch cam on the right short tuck	212 129
9	Support on the left	243 602	32	Pressure part take-over on the left short tuck	240 697
10	Support on the right	243 603	33	Pressure part take-over on the right short tuck	240 698
11	Yarn control device	237 124	500	Self-locking screw M6x12	023 415
12	Yarn guide bracket complete	241 581	501	Ribbed lock washer M6-10	023 414
13	Support	239 295	502	Square nut M8	023 269
15	Friction feed wheel 16 fold on the left complete	244 991	503	Countersunk screw M8x16	023 113
16	Friction feed wheel 16 fold on the right complete	244 992	504	Cap screw M6X14	022 658
17	Yarn deflector on the left complete	244 517	505	U-washer 6	020 881
18	Yarn deflector on the right complete	244 521	506	Setting pin 6x16	020 677
19	Deflector on the left complete	223 316	507	Screw M6x20	244 824
20	Deflector on the right complete	223 049	508	Screw KB60 x 20	237 682



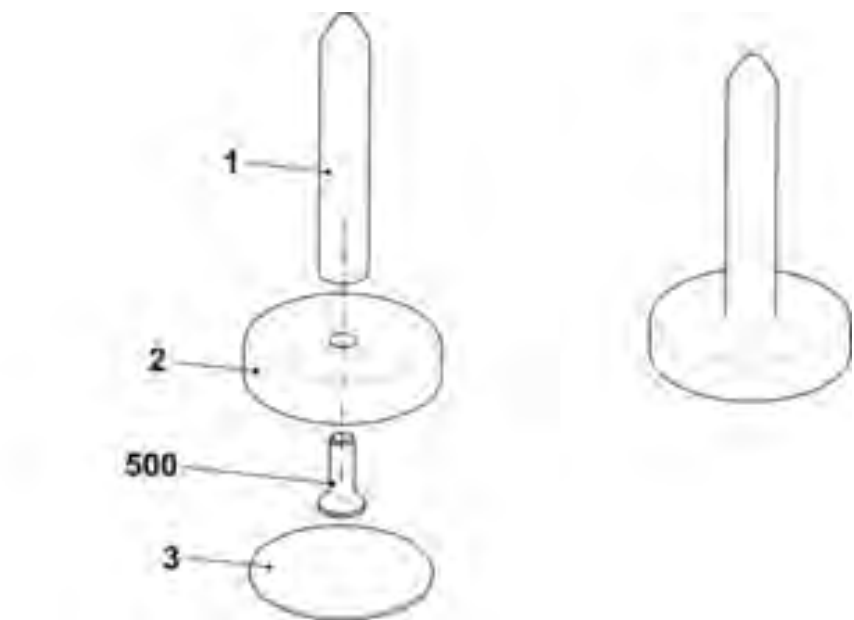
17.3 Overview of conversion kit E7 | E8

Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 24 IFF E7 E8	257 606	21	Clamping and cutting bed on the left E5-8	253 653
	Conversion kit 32 IFF E7 E8	257 542	22	Clamping and cutting bed E5-8 on the right	253 652
1	Magnetic holder complete	229 373	23	Yarn brake on the left	245 031
2	Additional bobbin board 50" IFF complete	244 424	24	Yarn brake on the right	245 032
3	Yarn tensioner on the left complete E7-8	244 499	25	DVD instructions conversion kit IFF	245 169
4	Yarn tensioner on the right complete E7-8	244 502	26	Adjusting part for yarn carrier bow	250 119
5	Yarn brake complete	244 347	27	Yarn guide complete E7-8 IFF 24	256 935
6	Clamping bow	244 409		Yarn guide complete E7-8 IFF 32	245 162
7	Ceramic eyelet	240 640	30	Stitch cam on the left short tuck E7-8	212 057
8	Yarn guide bar	240 324	31	Stitch cam on the right short tuck E7-8	212 056
9	Support on the left	243 602	32	Pressure part take-over on the left short tuck	240 697
10	Support on the right	243 603	33	Pressure part take-over on the right short tuck	240 698
11	Yarn control device	237 124	500	Self-locking screw M6x12	023 415
12	Yarn guide bracket complete	241 581	501	Ribbed lock washer M6-10	023 414
13	Support	239 295	502	Square nut M8	023 269
15	Friction feed wheel 16 fold on the left complete	244 991	503	Countersunk screw M8x16	023 113
16	Friction feed wheel 16 fold on the right complete	244 992	504	Cap screw M6X14	022 658
17	Yarn deflector on the left complete	244 517	505	U-washer 6	020 881
18	Yarn deflector on the right complete	244 521	506	Setting pin 6x16	020 677
19	Deflector on the left complete	223 316	507	Screw M6x20	244 824
20	Deflector on the right complete	223 049	508	Screw KB60 x 20	237 682



17.4 Magnet support

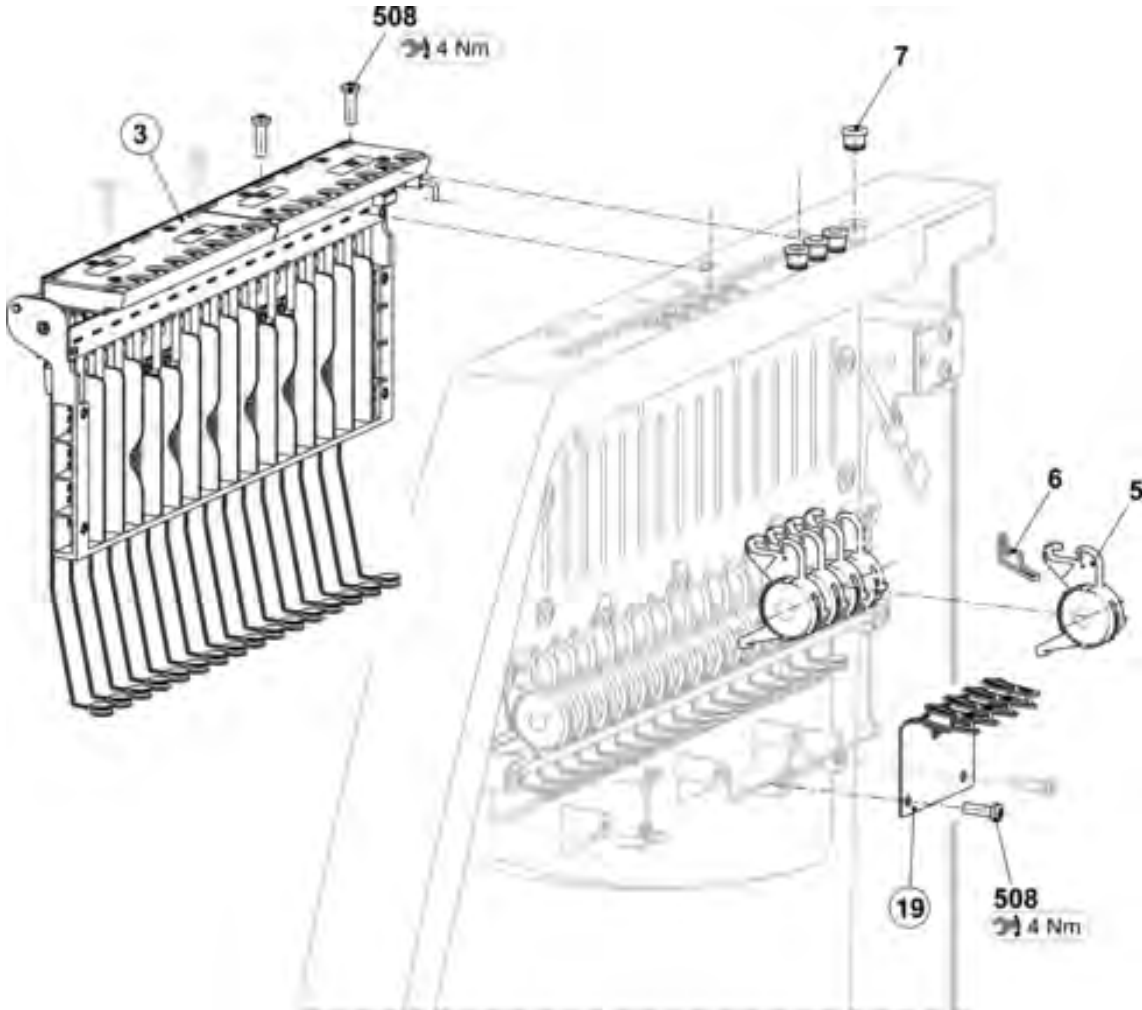
Pos	Designation	ID		Pos	Designation	ID
Σ	Magnetic support complete	229 373				
1	Positioning pin	229 345		3	Felted round blank sheet 37mm	245 165
2	Flat gripper Pg40l	227 311		500	Countersunk head screw M5x16	023 417



17.5 Parts for the left safety cover

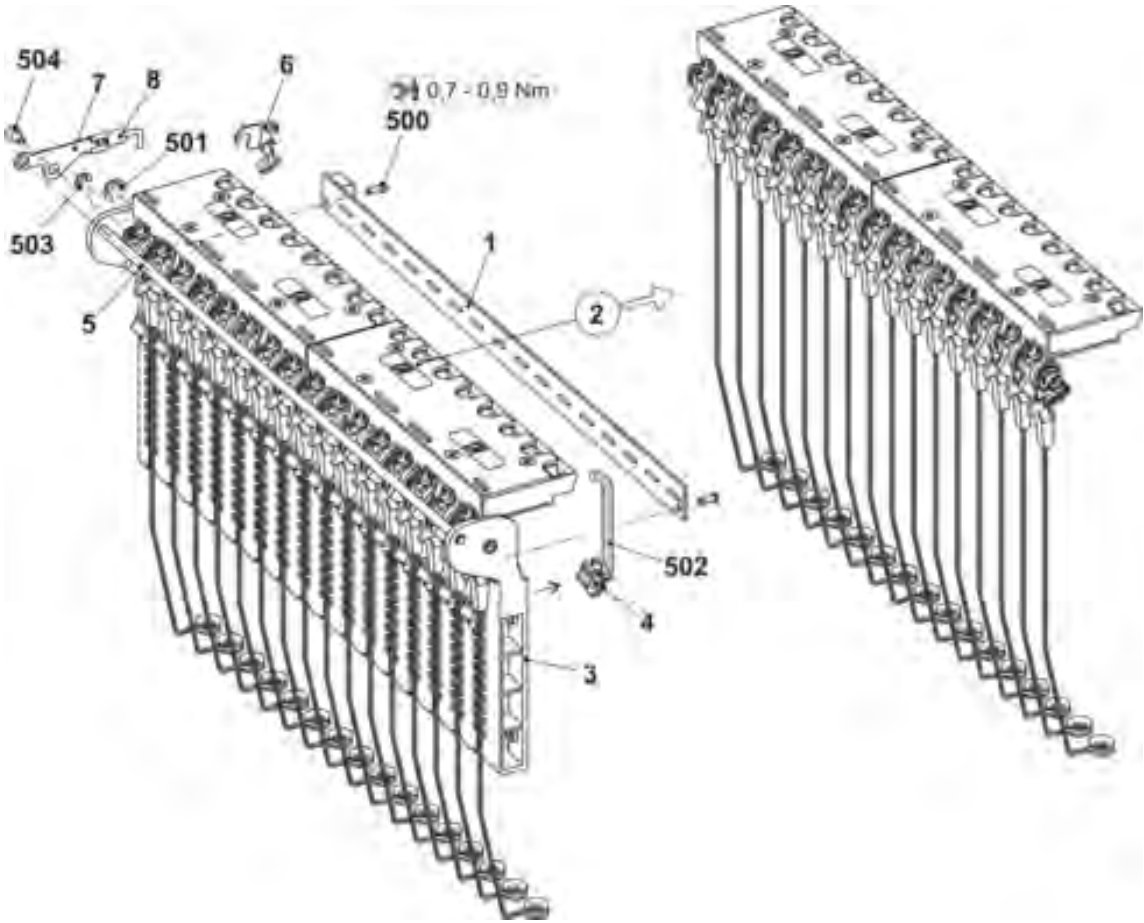
17.5 Parts for the left safety cover

Pos	Designation	Id		Pos	Designation	Id
3	Yarn tensioner on the left complete			6	Clamping bow	244 409
	E5 E3,5.2 E5.2	244 498		7	Ceramic eyelet	240 640
	E7 E8	244 499		19	Deflector on the left complete	223 316
5	Yarn brake complete	244 347		508	Screw KB 60x20	237 682



17.5.1 Yarn tensioner on the left

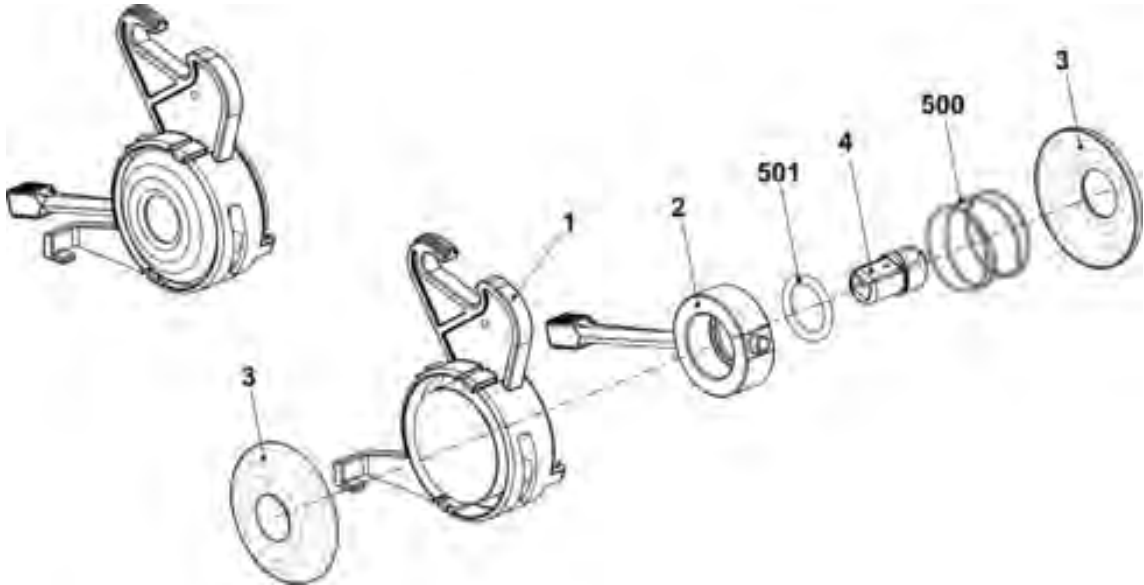
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the left complete					
	E5 E3,5.2 E5.2	244 498		7	Grounding sheet metal of tension axle	243 121
	E7 E8	244 499		8	Ground cable yarn tensioner	243 105
1	Card yarn tensioner 16-fold on the left	241 345		500	Cap screws M30x8	236 228
2	Tension axle complete E3-8	244 494		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5.05x0.55x53 (E3-5)	023 502
4	Slider	241 694			Tension spring 4.9x0.5x53 (E7-8)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x12	241 914



17.5 Parts for the left safety cover

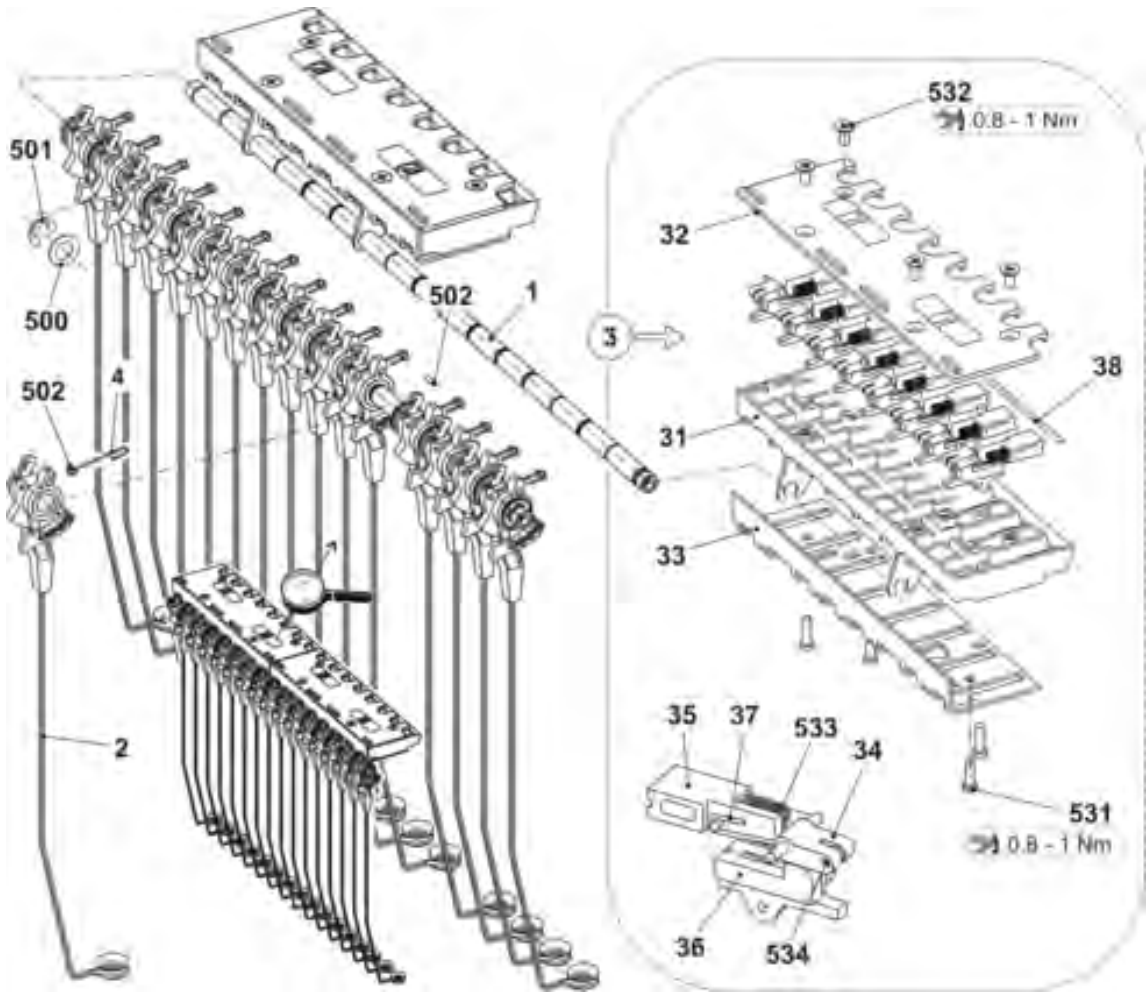
17.5.2 Yarn brake

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn brake complete	244 347				
1	Support	240 607		4	Ceramic eyelet open	243 778
2	Slider	240 606		500	Compression spring 0.65x20.15x14.80	241 361
3	Brake disk	244 355		501	O-ring 11x2	241 434



17.5.3 Tension axle

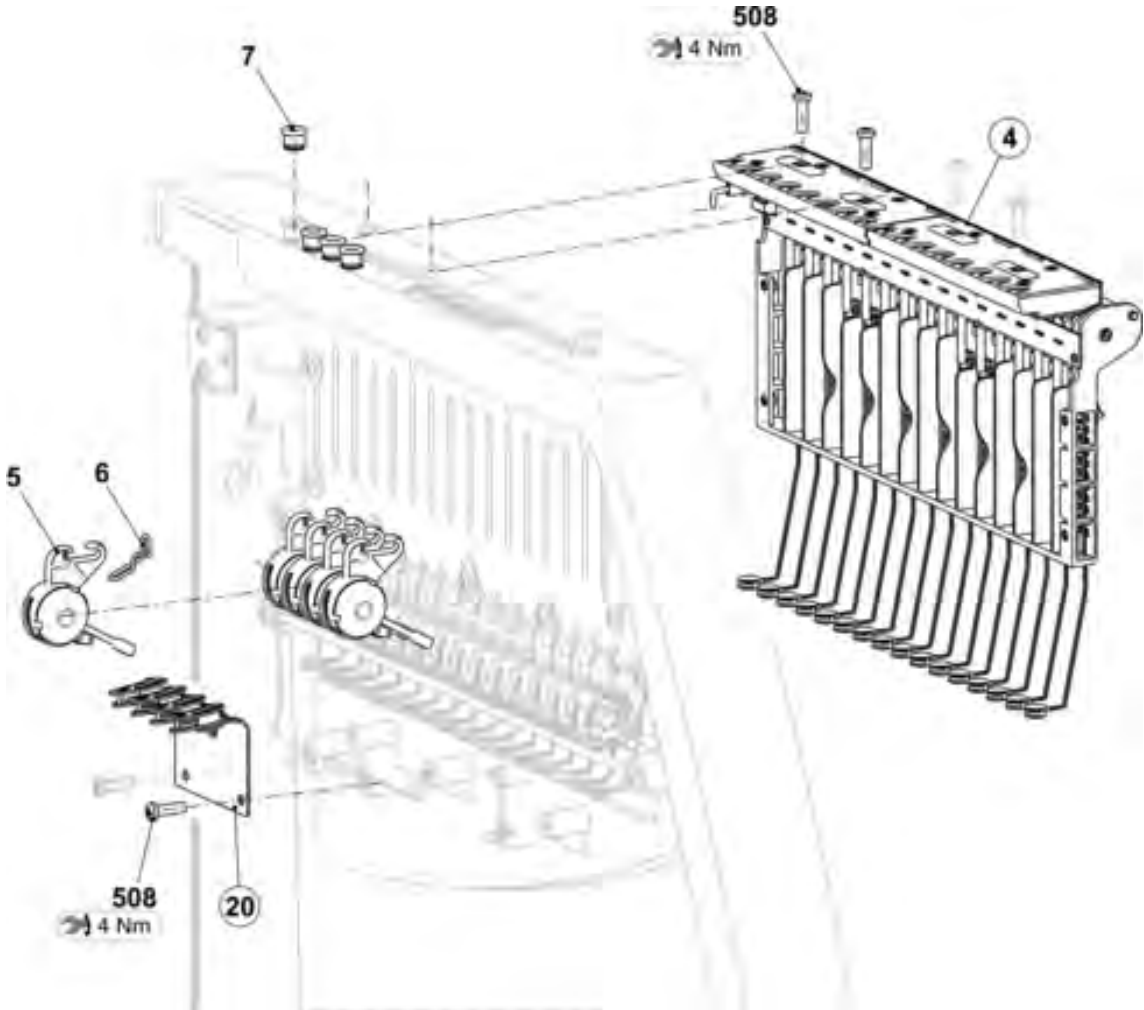
Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle complete					
	E5 E7 E8 E3,5.2 E5.2	244 494		33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	244 522		34	Lever AKF	238 692
2	Tension arm pre-assembled E3 – 8	242 770		35	Thrust piece AKF	238 690
4	Wire bow	238 694		36	Slider AKF	238 691
500	Adjusting washer4x8x0 8x14x0,5	023 501		37	Wire bow	238 694
501	Circlip	021 022		38	Wire	237 940
502	Grooved pin 2x6	243 172		531	Screw KB 35x12	237 681
3	Thread clamp AKF	238 695		532	Screw KB 40x8	236 227
31	Housing AKF	238 689		533	Compression spring 0.30x4.50x18.50	241 437
32	Cover AKF	237 926		534	Grooved pin 2x6	243 172



17.6 Parts for the right safety cover

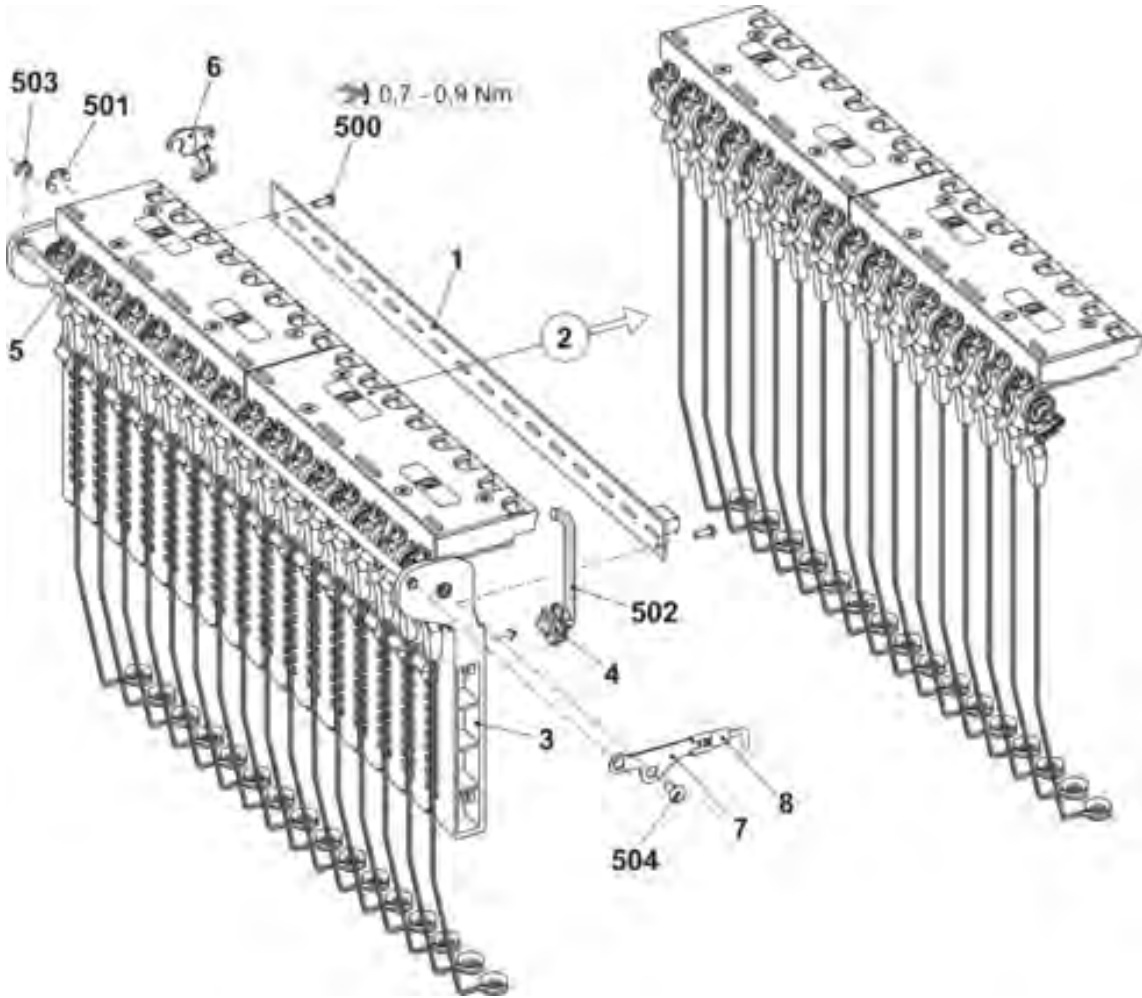
17.6 Parts for the right safety cover

Pos	Designation	Id		Pos	Designation	Id
4	Yarn tensioner on the right complete			6	Clamping bow	244 409
	E5 E3,5.2 E5.2	244 501		7	Ceramic eyelet	240 640
	E7 E8	244 502		20	Deflector on the right complete	223 049
5	Yarn brake complete	244 347		508	Screw KB 60x20	237 682



17.6.1 Yarn tensioner on the right

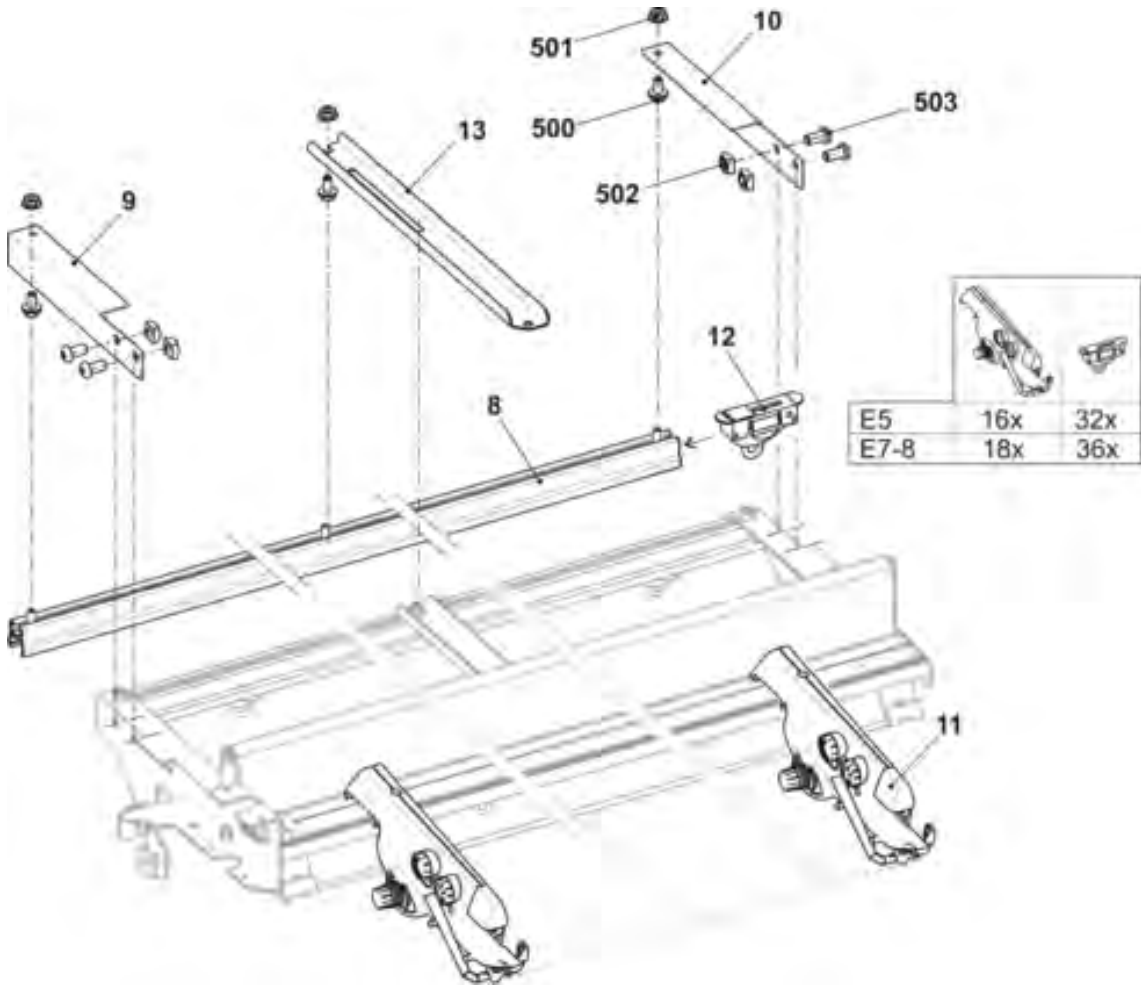
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the right complete					
	E5 E3,5.2 E5.2	244 501		7	Grounding sheet metal of tension axle	243 121
	E7 E8	244 502		8	Ground cable yarn tensioner	243 105
1	Card yarn tensioner 16-fold on the right	241 346		500	Cap screws M30x8	236 228
2	Tension axle complete E3-8	244 494		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5.05x0.55x53 (E3-5)	023 502
4	Slider	241 694			Tension spring 4.9x0.5x53 (E7-8)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x12	241 914



17.7 Parts for the yarn guide system

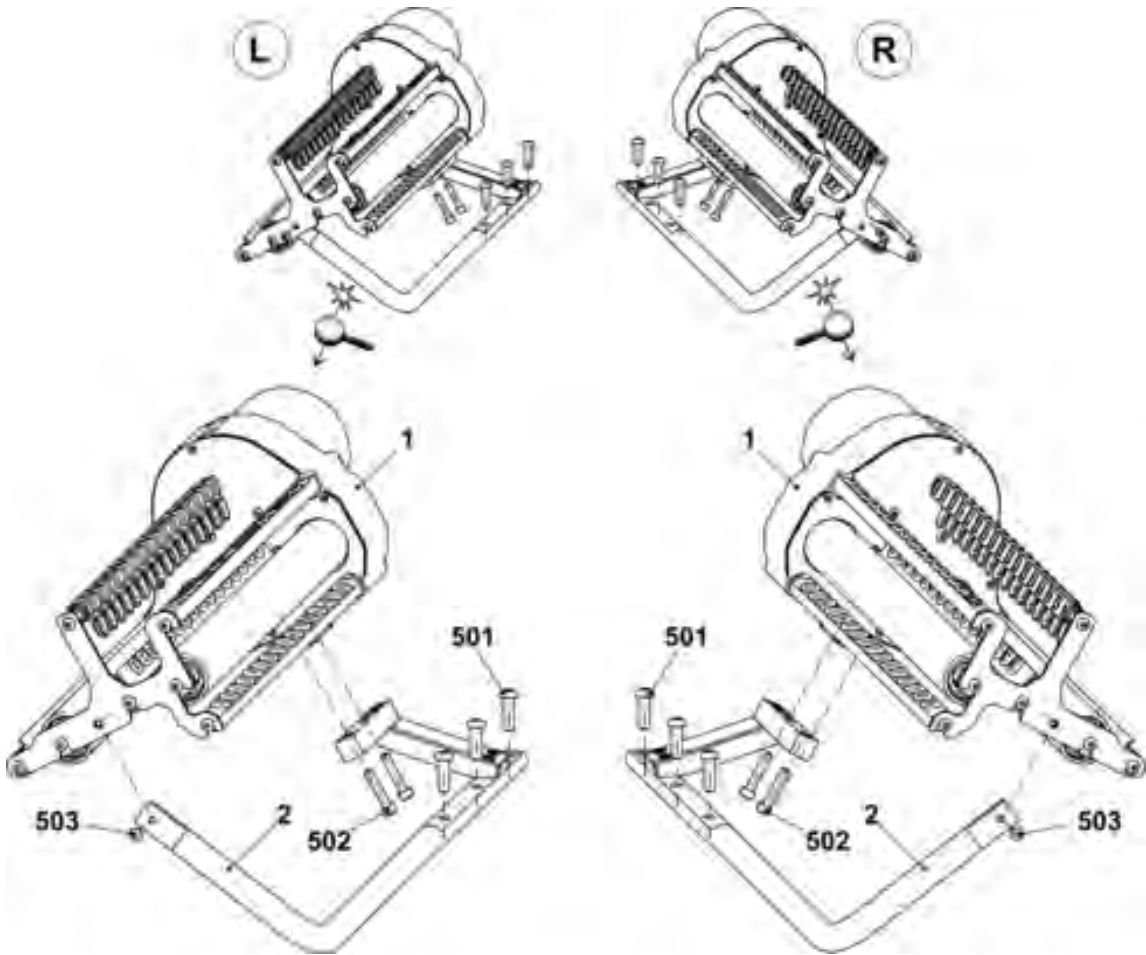
17.7 Parts for the yarn guide system

Pos	Designation	Id	Pos	Designation	Id
Σ	Parts for the yarn guide system				
8	Yarn guide bar	240 324	13	Support	239 295
9	Support on the left	243 602	500	Self-locking screw M6x12	023 415
10	Support on the right	243 603	501	Ribbed lock washer M6-10	023 414
11	Yarn control device	237 124	502	Square nut M8	023 269
12	Yarn guide bracket complete	241 581	503	Countersunk screw M8x16	023 113



17.8 Friction feed wheel on the left and on the right co.

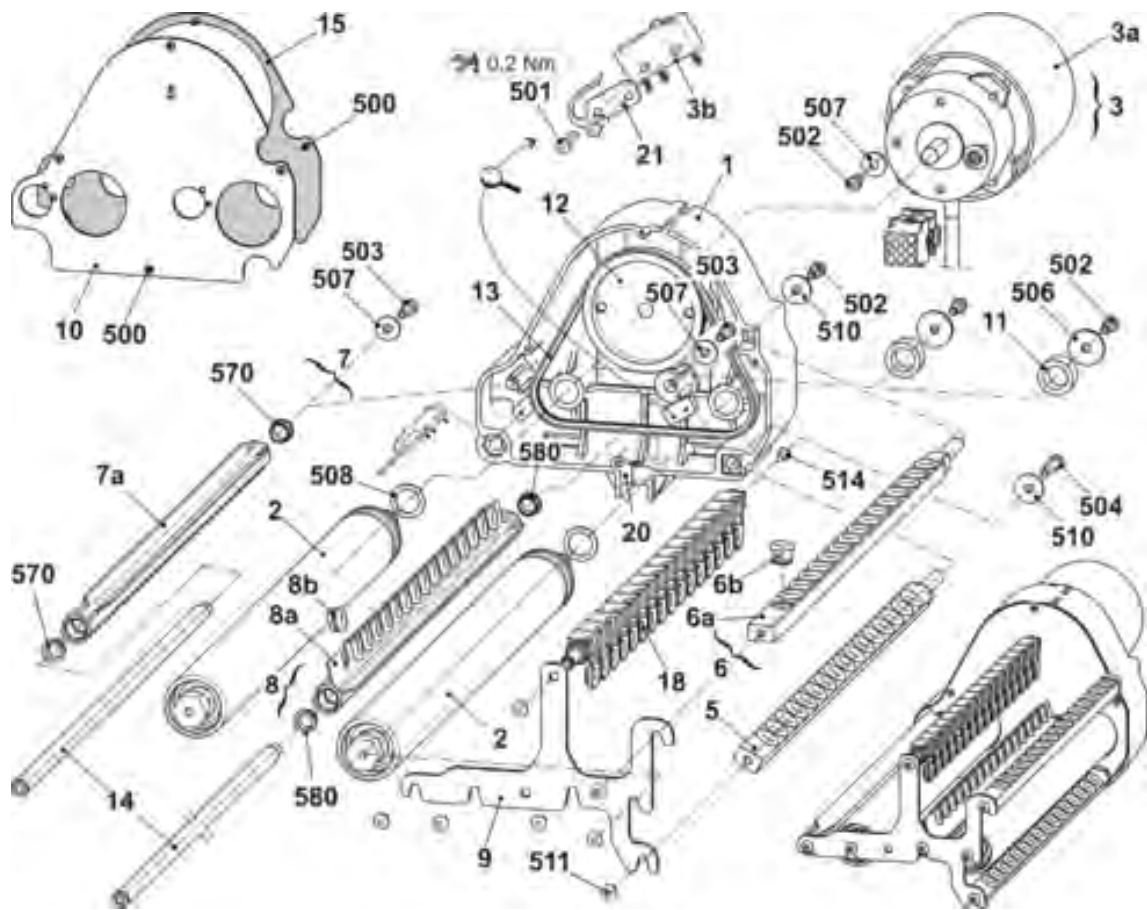
Pos	Designation	ID		Pos	Designation	ID
ΣL	Friction feed wheel on the left co. 16-fold	244 991		ΣR	Friction feed wheel on the right co. 16-fold	244 992
1	Friction feed wheel on the left	244 185		1	Friction feed wheel on the right	244 186
2	Support on the left	243 869		2	Support on the right	244 142
501	Countersunk screw M8x25	023 027		501	Countersunk screw M8x25	023 027
502	Cap screw M6x16	020 135		502	Cap screw M6x16	020 135
503	Countersunk screw M5x8	239 408		503	Countersunk screw M5x8	239 408



17.8 Friction feed wheel on the left and on the right co.

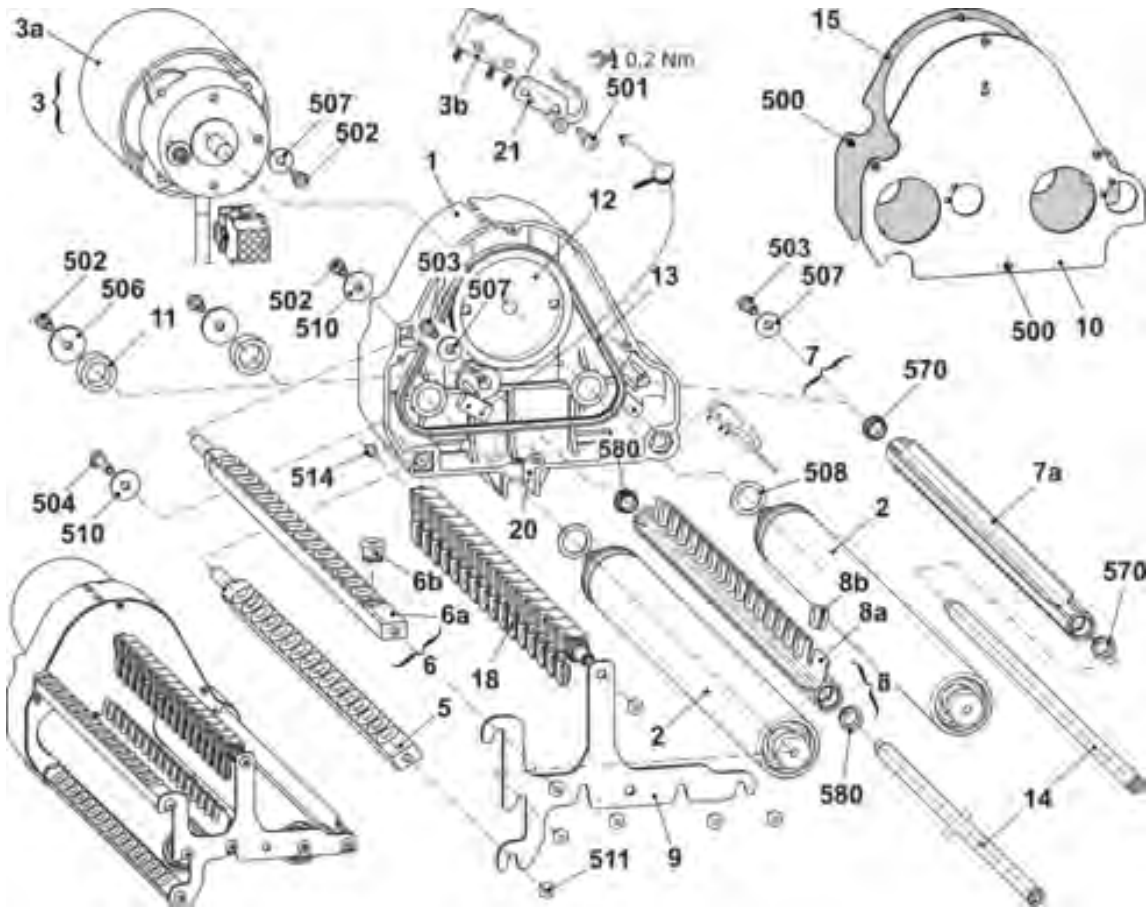
17.8.1 Friction feed wheel on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the left complete	244 185	11	Bush	221 391
1	Housing	240 368	12	Ribbed V-belt pulley	221 268
2	Friction roller complete	243 860	13	Ribbed V-belt	206 927
3	Three-phase A.C. motor 3x42V complete	219 800	14	Rod	243 868
	3a Three-phase A.C. motor	220 161	15	Cover	230 758
	3b Microswitch	008 664	18	Deflector complete 16-fold	250 102
5	Yarn guide rod 16-fold complete	244 576	20	Grounding plate	256 622
6	Yarn guide rod 16-fold complete	244 578	21	Spring plate	256 702
	6a Yarn guide rod 16-fold	244 577	500	Screw KB 30x8	236 228
	6b Ceramic eyelet	240 640	501	Screw M20x10	244 736
7	Stop motion rail on the right complete	243 863	502	Cap screw M5x12	020 132
	7a Stop motion rail on the right	243 864	503	Cap screw M5X16	022 726
	570 Slide bearing GFM-101214-07	023 627	504	Cap screw M5X25	023 523
8	Stop motion rail on the left complete	243 865	506	Washer 6.1x9x0.5	023 219
	8a Stop motion rail on the left	243 866	507	U-washer 5	020 901
	8b Eyelet	230 662	508	Shim ring 15x21x1	023 216
	580 Slide bearing GFM-101214-07	023 627	510	U-washer 5	023 542
9	Strap	251 113	511	Countersunk screw M5x8	239 408
10	Cover	251 098	514	Pan-head screw M4x8	023 579



17.8.2 Friction feed wheel on the right

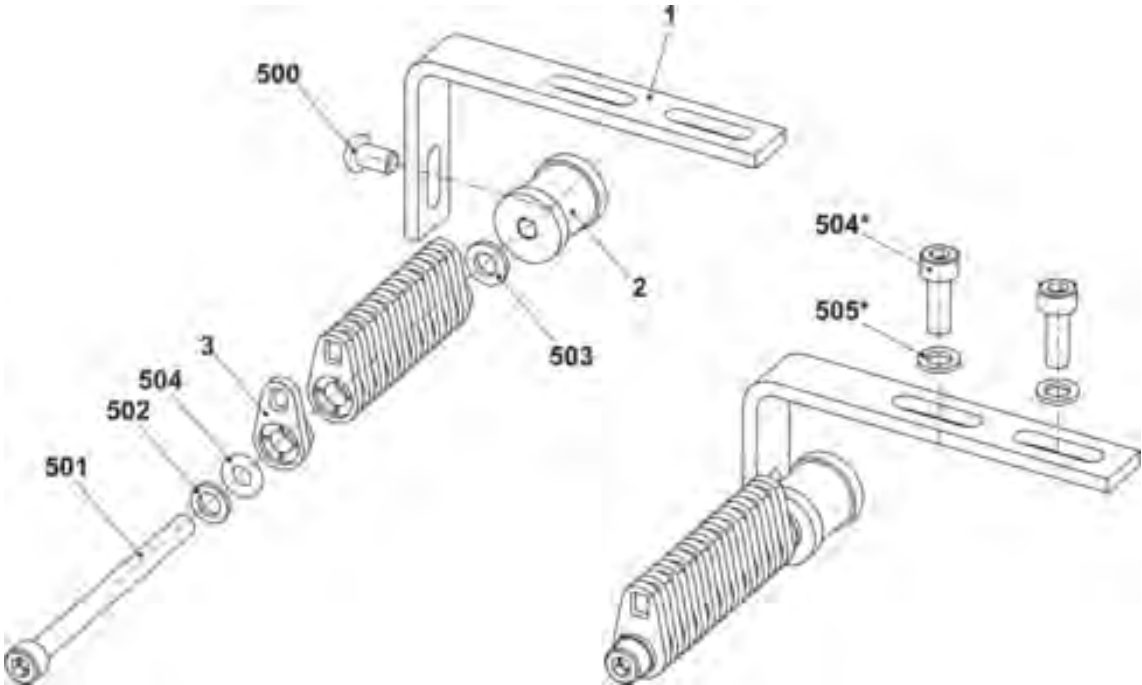
Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the right complete	244 186	11	Bush	221 391
1	Housing	240 368	12	Ribbed V-belt pulley	221 268
2	Friction roller complete	243 860	13	Ribbed V-belt	206 927
3	Three-phase A.C. motor 3x42V complete	219 800	14	Rod	243 868
3a	Three-phase A.C. motor	220 161	15	Cover	230 758
3b	Microswitch	008 664	18	Deflector complete 16-fold	250 102
5	Yarn guide rod 16-fold complete	244 772	20	Grounding plate	256 622
6	Yarn guide rod 16-fold complete	244 578	21	Spring plate	256 702
6a	Yarn guide rod 16-fold	244 577	500	Screw KB 30x8	236 228
6b	Ceramic eyelet	240 640	501	Screw M20x10	244 736
7	Stop motion rail on the right complete	243 863	502	Cap screw M5x12	020 132
7a	Stop motion rail on the right	243 864	503	Cap screw M5X16	022 726
570	Slide bearing GFM-101214-07	023 627	504	Cap screw M5X25	023 523
8	Stop motion rail on the right complete	244 530	506	Washer 6.1x9x0.5	023 219
8a	Stop motion rail on the right	244 531	507	U-washer 5	020 901
8b	Eyelet	230 662	508	Shim ring 15x21x1	023 216
580	Slide bearing GFM-101214-07	023 627	510	U-washer 5	023 542
9	Strap	251 113	511	Countersunk screw M5x8	239 408
10	Cover	251 098	514	Pan-head screw M4x8	023 579



17.9 Thread deflector on the left

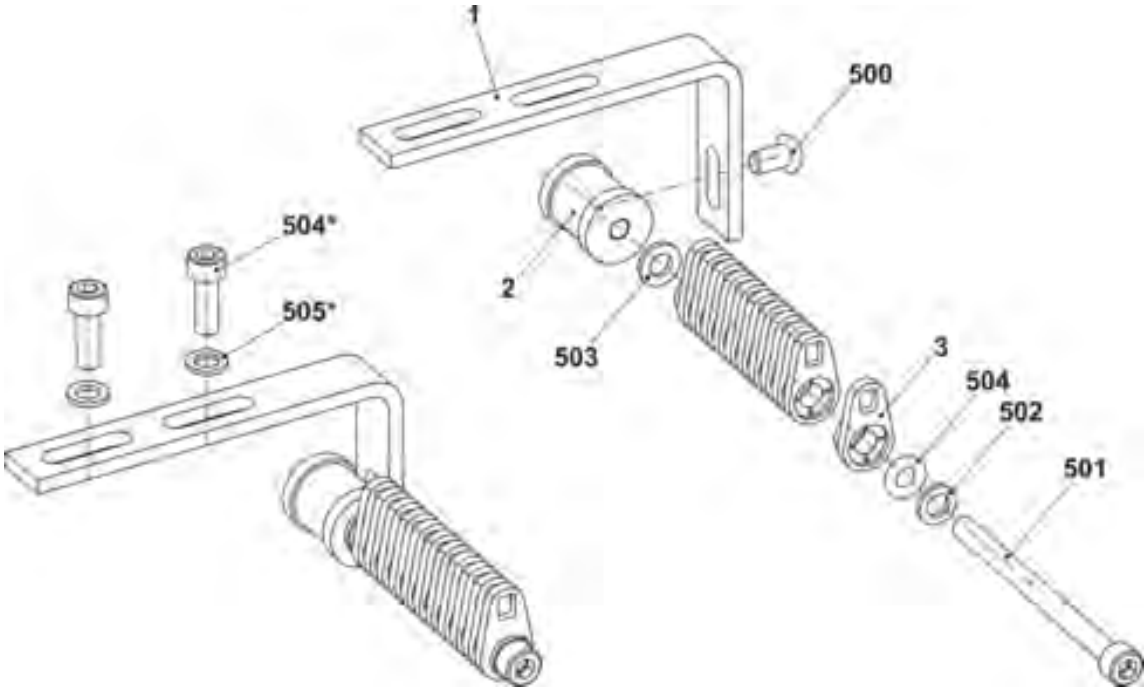
17.9 Thread deflector on the left

Pos	Designation	ID No.		Pos	Designation	ID No.
Σ	Yarn deflector on the left complete	244 517				
1	Support angle	244 516		502	U-washer 6	020 881
2	Bolt	214 894		503	U-washer 6	022 853
3	Yarn carrier MH 6	200 127		504	O-ring 6x3	022 856
500	Countersunk screw M6x10	023 183		504*	Cap screw M6X14	022 658
501	Cap screw M6x80	023 064		505*	U-washer 6	020 881



17.10 Yarn deflector on the right

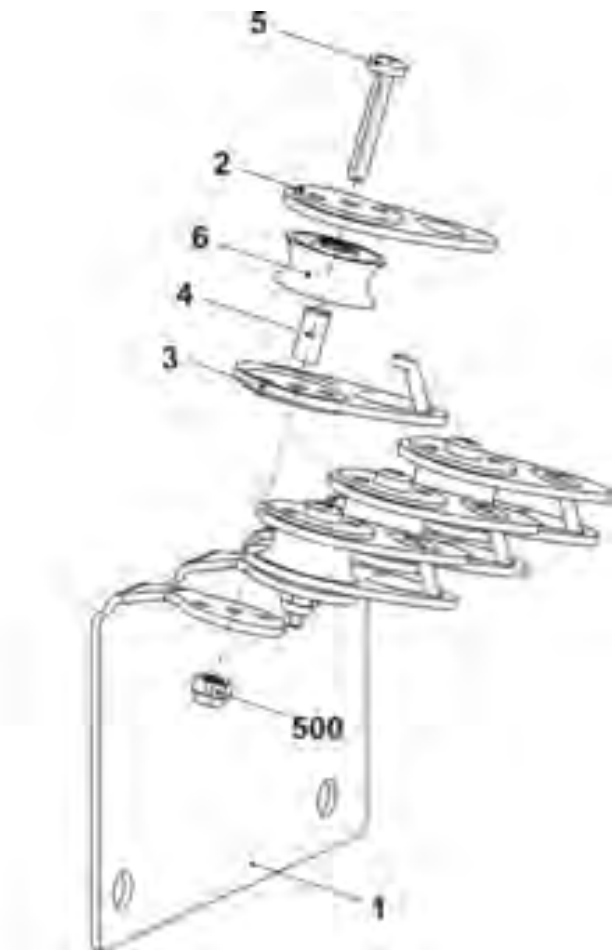
Pos	Designation	ID No.		Pos	Designation	ID No.
Σ	Yarn deflector on the right complete	244 521				
1	Support angle	244 516		502	U-washer 6	020 881
2	Bolt	214 894		503	U-washer 6	022 853
3	Yarn carrier MH 6	200 127		504	O-ring 6x3	022 856
500	Countersunk screw M6x10	023 183		504*	Cap screw M6X14	022 658
501	Cap screw M6x80	023 064		505*	U-washer 6	020 881



17.11 Deflector on the left

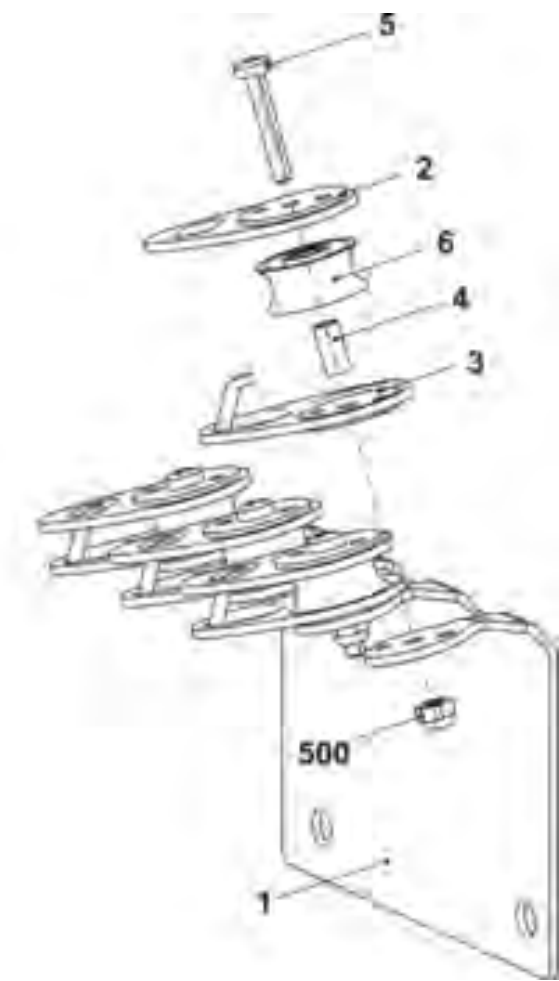
17.11 Deflector on the left

Pos	Designation	ID No.		Pos	Designation	ID No.
Σ	Deflector on the left complete	223 316		4	Sleeve	219 222
1	Roller support on the left	223 312		5	Screw	223 298
2	Yarn holder	217 362		6	Roller deflector	218 805
3	Yarn holder	217 363		500	Hexagon nut M3-8	022 884



17.12 Deflector on the right

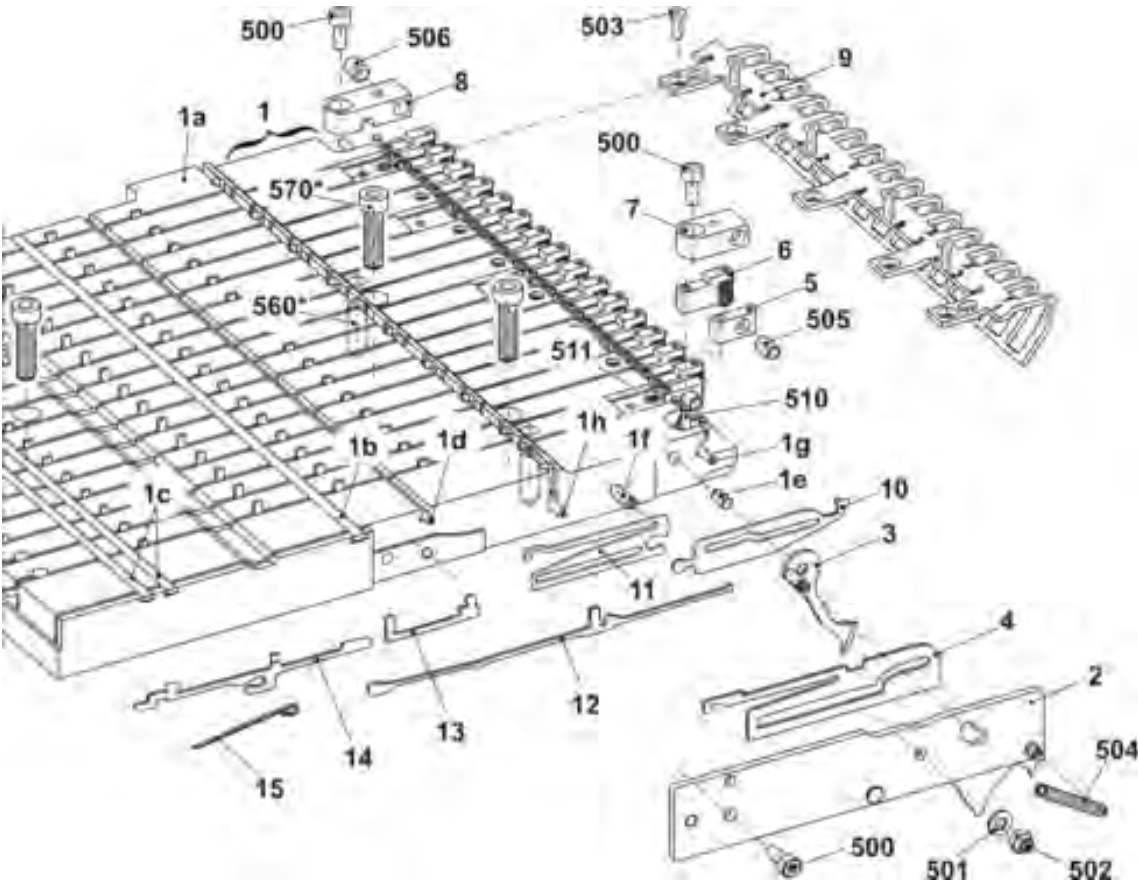
Pos	Designation	ID No.		Pos	Designation	ID No.
Σ	Deflector on the right complete	223 049		4	Sleeve	219 222
1	Roller support on the right	223 044		5	Screw	223 298
2	Yarn holder	217 362		6	Roller deflector	218 805
3	Yarn holder	217 363		500	Hexagon nut M3-8	022 884



17.13 Left clamping/cutting bed

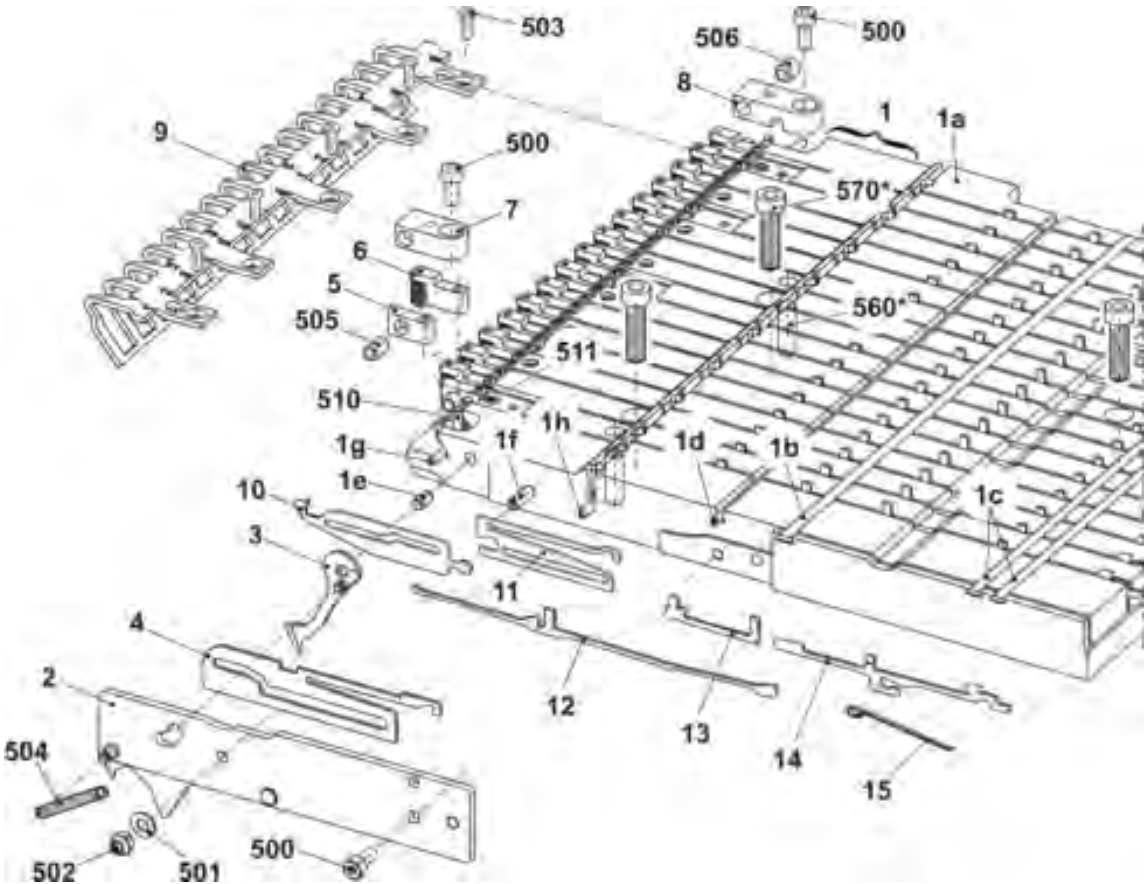
17.13 Left clamping/cutting bed

Pos	Designation		Id		Pos	Designation		Id
Σ	Left clamping/cutting bed E5-8		253 653					
1	Guide plate on the left E5-14		244 642		8	Spring holder		244 590
	1a	Guide plate on the left E5-14	244 632		9	Holding strip on the left		250 607
	1b	Cover rail	243 923		10	Tuck needle on the left E5-8		244 729
	1c	Cover rail	243 924		11	Intermediate cam E10-14		244 591
	1d	Fixed wire	243 925		12	Coupling part E4-8		200 682
	1e	Axle	211 349		13	Intermediate slider with brake E5-E8		237 323
	F 1	Guide pin	211 351		14	Selection jack E4-8		200 687
	1g	Fixed wire	215 927		15	Selector spring E4-8		200 690
	1h	Fixed wire	244 589		500	Cap screw M4x10		023 136
	510	Setting pin 3x16	020 649		501	Hexagon nut M4-8		023 046
	511	Set screw M5x5	236 061		502	U-washer 4		020 870
2	Cover on the left complete E10-14		251 120		503	Countersunk head screw M3x10		242 029
3	Catch hook on the left E10-14		251 377		504	Tension spring 5x0.5x17.4		023 377
4	Slider E5-14		253 084		505	Compression spring D 117 B 07x4.3x12.1		023 521
5	Blade		243 948		506	Set screw M6x8-45H		022 581
6	Clamp on the left complete		244 633		560*	Setting pin 6x16		020 677
7	Spring holder		244 032		570*	Cap screw M6x20		244 824



17.14 Clamping/cutting bed on the right

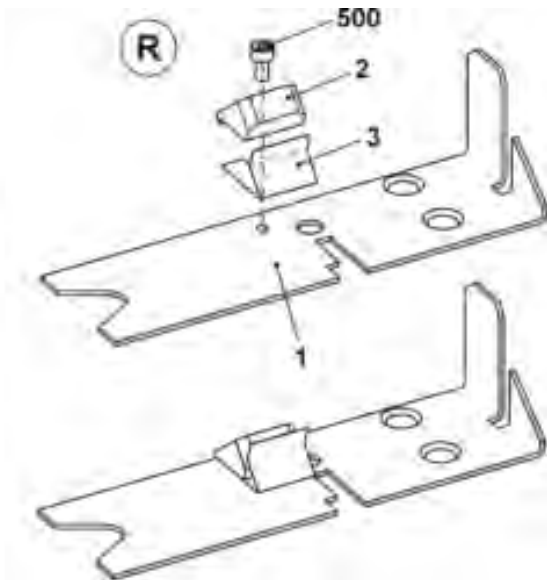
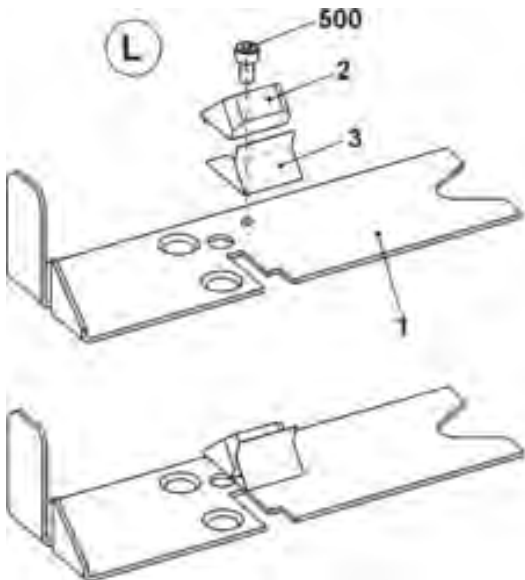
Pos	Designation		Id		Pos	Designation		Id
Σ	Right clamping/cutting bed E5-8		253 652					
1	Guide plate on the right E5-14		244 601		8	Spring holder		244 590
	1a	Guide plate on the right E5-14	244 586		9	Holding strip on the right		250 510
	1b	Cover rail	243 923		10	Tuck needle on the right E5-8		244 728
	1c	Cover rail	243 924		11	Intermediate cam E10-14		244 591
	1d	Fixed wire	243 925		12	Coupling part E4-8		200 682
	1e	Axle	211 349		13	Intermediate slider with brake E5-E8		237 323
	F 1	Guide pin	211 351		14	Selection jack E4-8		200 687
	1g	Fixed wire	215 927		15	Selector spring E4-8		200 690
	1h	Fixed wire	244 589		500	Cap screw M4x10		023 136
	510	Setting pin 3x16	020 649		501	Hexagon nut M4-8		023 046
	511	Set screw M5x5	236 061		502	U-washer 4		020 870
2	Cover on the right complete E10-14		251 119		503	Countersunk head screw M3x10		242 029
3	Catch hook on the right E10-14		251 378		504	Tension spring 5x0.5x17.4		023 377
4	Slider E5-14		253 084		505	Compression spring D 117 B 07x4.3x12.1		023 521
5	Blade		243 948		506	Set screw M6x8-45H		022 581
6	Clamp on the right complete		244 602		560*	Setting pin 6x16		020 677
7	Spring holder		244 032		570*	Cap screw M6x20		244 824



17.15 Yarn brake on the left and right

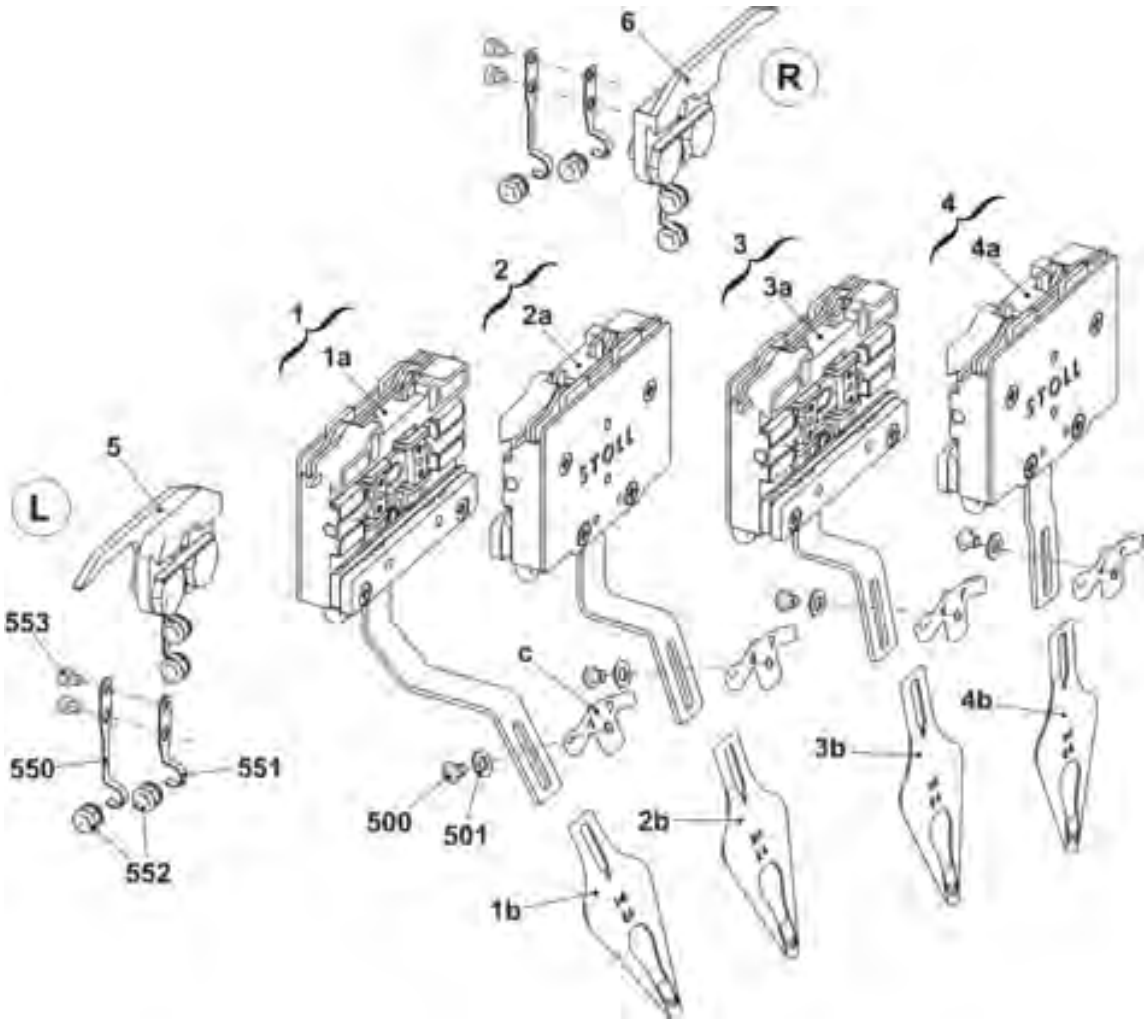
17.15 Yarn brake on the left and right

Pos	Designation	Id		Pos	Designation	Id
Σ L	Thread brake on the left	245 031		Σ R	Thread brake on the right	245 032
1	Cover on the left	240 020		1	Cover on the left	240 022
2	Clamping part	245 030		2	Clamping part	245 030
3	Leaf spring	232 164		3	Leaf spring	232 164
500	Cap screw M4x8	022 501		500	Cap screw M4x8	022 501



17.16 Yarn guide complete IFF Type 2 E5 | E3.5.2 | E5.2

Pos	Designation		Id		Pos	Designation		Id
Σ	Yarn guide complete (24 IFF) E5		256 934					
1	IFF carriage complete 1+8 E5		250 319		5	Limiter on the left with two eyelets		244 446
	1a	IFF carriage 1+8	250 315			550	Eyelet holder complete	022 324
	1b	Yarn carrier head 1+8 complete E5	244 076			551	Eyelet holder complete	022 323
2	IFF carriage complete 2+7 E5		250 320			552	Eyelet 4.2	021 499
	2a	IFF carriage 2+7	250 316			553	Cap screw M3.5x4	020 011
	2b	Yarn carrier head 2+7 complete E5	244 077		6	Limiter on the right with two eyelets		244 445
3	IFF carriage complete 3+6 E5		250 321		c	Yarn guide angle		242 863
	3a	IFF carriage 3+6	250 317		500	Pan-head screw M4x5		239 549
	3b	Yarn carrier head 3-6 complete E5	244 078		501	U-washer 4		020 870
4	IFF carriage complete 4+5 E5		250 322					
	4a	IFF carriage 4+5	250 318					
	4b	Yarn carrier head 3-6 complete E5	244 078					



17.17 Yarn guide complete IFF Type 2 E7 | E8

Pos	Designation		Id		Pos	Designation		Id
Σ	Yarn guide complete 24 IFF E7-8		256 935					
1	IFF carriage complete 1+8 E7-8		250 323		5	Limiter on the left with two eyelets		244 446
	1a	IFF carriage 1+8	250 315			550	Eyelet holder complete	022 324
	1b	Yarn carrier head 1+8 complete E7-8	244 082			551	Eyelet holder complete	022 323
2	IFF carriage complete 1+8 E7-8		250 324			552	Eyelet 4.2	021 499
	2a	IFF carriage 2+7	250 316			553	Cap screw M3.5x4	020 011
	2b	Yarn carrier head 2+7 complete E7-8	244 083		6	Limiter on the right with two eyelets		244 445
3	IFF carriage complete 3+6 E7-8		250 325		c	Yarn guide angle		242 863
	3a	IFF carriage 3+6	250 317		500	Pan-head screw M4x5		239 549
	3b	Yarn carrier head 3-6 complete E7-8	244 084		501	U-washer 4		020 870
4	IFF carriage complete 4+5 E7-8		250 326					
	4a	IFF carriage 4+5	250 318					
	4b	Yarn carrier head 3-6 complete E7-8	244 084					

