

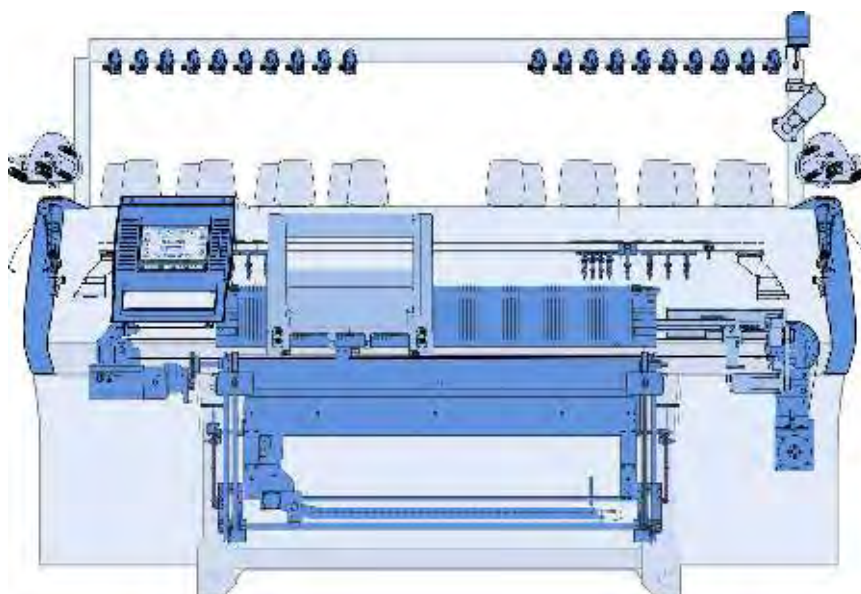
STOLL

Spare-parts catalog

CMS 520 (Type 642)

Component type 000

E5 | E7 | E8 | E5m.4 | E7m.5 | E7m.8 | E8m.7 | E2,5.2 | E2,5.2m.
4L | E3,5.2 | E3,5.2m.4L | E5.2



Dokument-no. 267662_00_GB

Release 2015/10

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 (07121) 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.

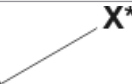
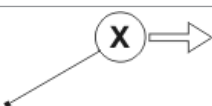
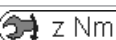
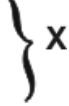
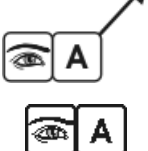
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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

Only genuine STOLL spare parts may be used for repairs.

1.1 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
	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 side or view.
	Indicates the right-hand side or view.
	Indicates a sectional drawing or a view in the viewing direction.

1.2 Torques

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 **not valid** for:
protected screws with: lock washers, rib heads, coated and clamping screws and nuts. They are also not used for self-cutting threads.
- Torques differing from this preferential row of torques must be taken from the corresponding location in the drawings.

Drehmomente Torques Couples Coppias Momentos de rotación [Nm] ± 10 % (für $\mu_{ges} = 0,12$)		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clasas 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	

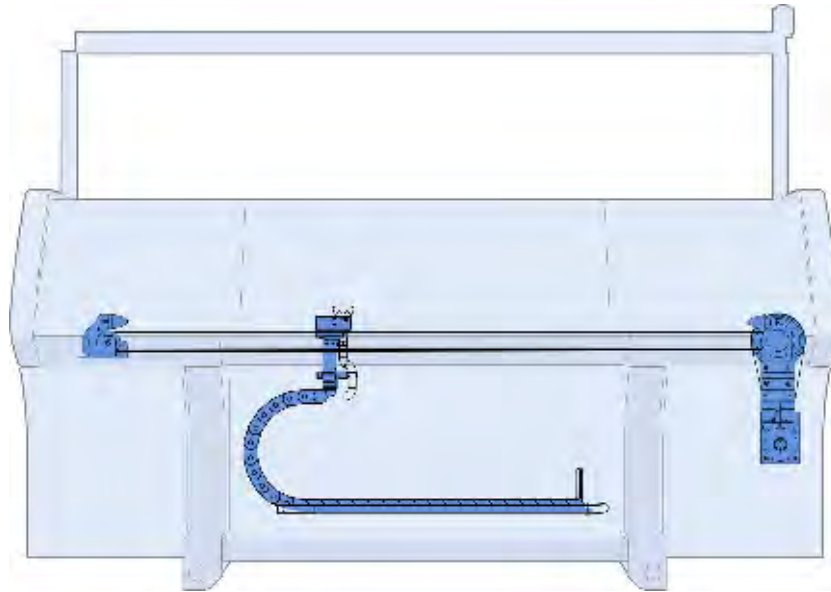
Table of Contents

1	Introduction	3
1.1	Search help	4
1.2	Torques	5
2	Carriage drive	11
2.1	Drive	12
2.1.1	Motor and belt drive	13
2.1.2	Tension bearing	14
2.2	Energy chain and plunger	15
3	Racking	17
3.1	Racking	18
4	Needle beds	19
4.1	Needle bed E5	20
4.1.1	Continuation needle bed E5	21
4.2	Needle bed E7	22
4.2.1	Continuation needle bed E7	23
4.3	Needle bed E8	24
4.3.1	Continuation needle bed E8	25
4.4	Needle bed E5m.4	26
4.4.1	Continuation needle bed E5m.4	27
4.5	Needle bed E7m.5	28
4.5.1	Continuation needle bed E7m.5	29
4.6	Needle bed E2,5.2	30
4.6.1	Continuation needle bed E2,5.2	31
4.7	Needle bed E3,5.2	32
4.7.1	Continuation needle bed E3,5.2	33
4.8	Needle bed E5.2	34
4.8.1	Continuation needle bed E5.2	35
4.9	Needle bed E2,5.2m.4L	36
4.9.1	Continuation needle bed E2,5.2m.4L	37
4.10	Needle bed E3,5.2m.4L	38
4.10.1	Continuation needle bed E3,5.2m.4L	39
4.11	Needle beds, fixing elements	40
4.12	Cover	41
4.13	Left clamping and cutting bed E5-7 E5m.4 E7m.5 7m.8 E2,5.2 E3,5.2 E2,5.2 E3,5.2 E2,5.2m4L E3,5.2m4L	42
4.14	Right clamping and cutting bed E5-7 E5m.4 E7m.5 7m.8 E2,5.2 E3,5.2 E2,5.2 E3,5.2 E2,5.2m4L E3,5.2m4L	43
4.15	Left clamping and cutting bed E8 E8m.7 E5.2	44
4.16	Right clamping and cutting bed E8 E8m.7 E5.2	45
5	Carriage	47
5.1	Overview of carriage	48
5.2	Carriage assembly	49
5.3	Carriage cover	50
5.4	Carriage guide	51
5.5	Spare parts package carriage guide bar	52
5.6	Brush holder	53
5.7	Yarn carrier driving without guide part	54
5.8	Yarn carrier driving with guide part	55
5.9	Holding-down jack control	56
5.10	Needle detector	57
5.11	Cam box E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	58
5.11.1	Cams E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	59
5.12	Cam box E7 E8	60
5.12.1	Cams E7 – E8	61
5.13	Cam box E2,5.2m.4L E3,5.2m.4L	62
5.13.1	Cams E2,5.2m.4L E3,5.2m.4L	63
6	Main take-down	65

6.1	Main take-down	66
6.1.1	Main take-down on the left	67
6.1.2	Main take-down on the right	69
6.1.3	Main take-down in the middle	72
7	Auxiliary Take-down	77
7.1	Auxiliary take-down pre-assembled	78
7.1.1	Right bearing of the auxiliary take-down	79
7.1.2	Left bearing of the auxiliary take-down	80
7.2	Motor	81
7.3	Yarn brake at clamping and cutting bed	82
8	Comb Take-down	83
8.1	Comb Take-down	84
8.1.1	Comb take-down on the left	85
8.1.2	Comb take-down on the right	86
8.1.3	Comb take-down in the middle	89
9	Belt take-down	93
9.1	Belt Take-Down	94
9.2	Belt	95
9.3	Drive unit	96
9.4	Support on the left	97
9.5	Winding guard	98
9.6	Yarn brakes	99
10	Yarn delivery device	101
10.1	Yarn guide system with 20 and 24 FKE	102
10.2	Yarn control device	103
10.3	Left yarn guide	104
10.3.1	Left yarn tensioner	105
10.3.2	Left tension axle	106
10.3.3	Yarn deflector on the left	107
10.4	Right yarn guide	108
10.4.1	Right yarn tensioner	109
10.4.2	Right tension axle	110
10.4.3	Yarn deflector on the right complete	111
10.5	Bobbin board	112
10.6	Yarn guide complete	113
10.7	Bar unit	114
10.8	Left friction feed wheel	115
10.9	Right friction feed wheel	116
10.10	Stopping device on the left	117
10.11	Stopping device on the right	118
11	Fluff absorption	119
11.1	Fluff absorption	120
11.1.1	Lint container	121
11.1.2	Set of hose	122
11.1.3	Suction tube	123
12	Operation and control	125
12.1	Input unit	126
12.2	Starting device	127
12.2.1	Bearing of the engaging rod	128
12.3	Signal light	129
12.4	Control of Collecting Area	130
12.5	Shock stop motion	131
12.6	Measuring device 5 E7 E8 E2,5.2 E3,5.2 E5m.4 E7m.5 E2+3,5.2m.4L	132
12.7	Measuring device E5.2	133
13	Protective devices	135
13.1	Lateral safety doors	136

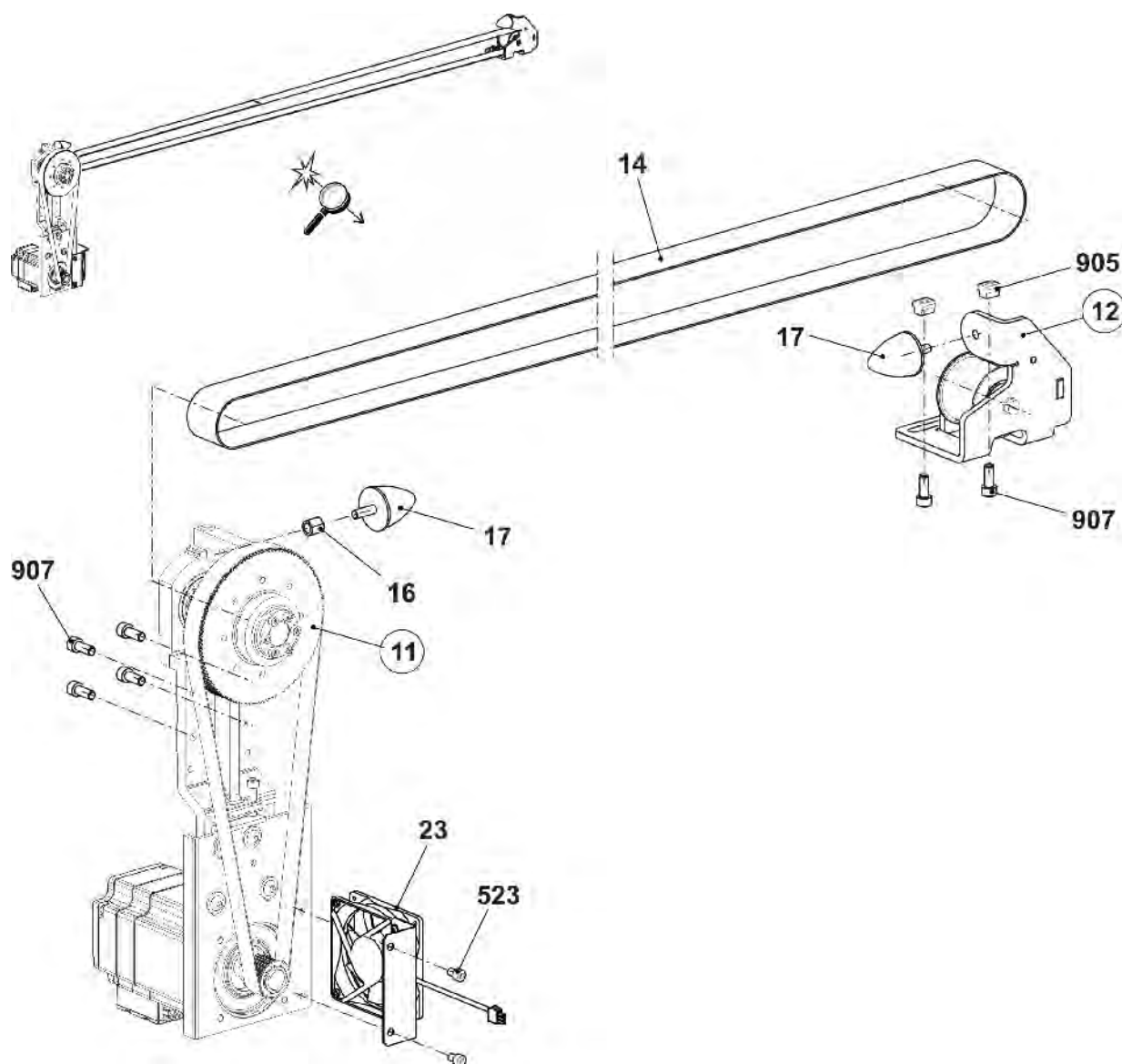
13.2	Panelling	137
13.3	Rear panel	138
14	Electrical equipment	139
14.1	Circuit diagram (223) as PDF	140
14.2	Trailing cable (all gauges, except E5.2)	141
14.3	Trailing cable E5.2	142
14.4	Cable set installation part 1	143
14.5	Cable set installation part 2	143
15	Control electronics	145
15.1	Control cabinet	146
16	Deliverable accessories	147
16.1	Accessories standard	148
16.2	Accessories standard E2,5.2m.4L	149
17	Special attachments	151
17.1	Yarn carrier type 2, E5 E2,5.2 E3,5.2 E5.2	152
17.2	Yarn carrier type 2, E7 E8 E6.2	153
17.3	Intarsia yarn carrier type 2, Overview	154
17.3.1	Continuation Intarsia yarn carrier type 2	155
17.4	FF bow E2,5.2m.4L	156
17.5	Plating yarn carrier 3+6	157
17.6	Plating yarn carrier 4+5	158
17.7	Carriage of plating yarn carrier EW 46	159
17.8	Carriage of plating yarn carrier (adjustable)	160
17.9	FF bow stabilization complete	161
17.10	Yarn length measuring device on the left complete	162
17.10.1	Yarn length measuring device	163
17.11	Yarn length measuring device on the right complete	164
17.11.1	Yarn length measuring device on the right	165
17.12	Storage feed wheel MSF-3 complete E3-8	166
17.13	Bobbin holder on the left	167
17.14	Bobbin holder on the right	168
17.15	Additional bobbin board	169
17.16	Sanding Paper Brake	170
17.17	Devoré Kit E3,5.2 E5	171
17.18	Devoré Kit E7	172
17.19	Additional bobbin board	173
18	Conversion kit with 32 and 24 IFF Type 2	175
18.1	Overview of conversion kit E5	176
18.2	Overview of conversion kit E7 E8	177
18.3	Magnet holder	178
18.4	Additional bobbin board (top, bottom)	179
18.5	Parts for the left safety door	180
18.5.1	Yarn tensioner on the left	181
18.5.2	Yarn deflector on the left	183
18.6	Parts for the right safety door right	184
18.6.1	Yarn tensioner on the right	185
18.6.2	Yarn deflector on the right complete	186
18.7	Friction feed wheel on the left and on the right complete	187
18.7.1	Friction feed wheel on the left	188
18.7.2	Friction feed wheel on the right	189
18.8	Left clamping and cutting bed	190
18.9	Clamping and cutting bed on the right	191
18.10	Yarn guide complete IFF E5 E2.5.2 E3.5.2 E5.2	192
18.11	Yarn guide complete IFF E7 E8	193
18.12	Stopping device	194
18.13	Yarn guide bracket	195

2 Carriage drive



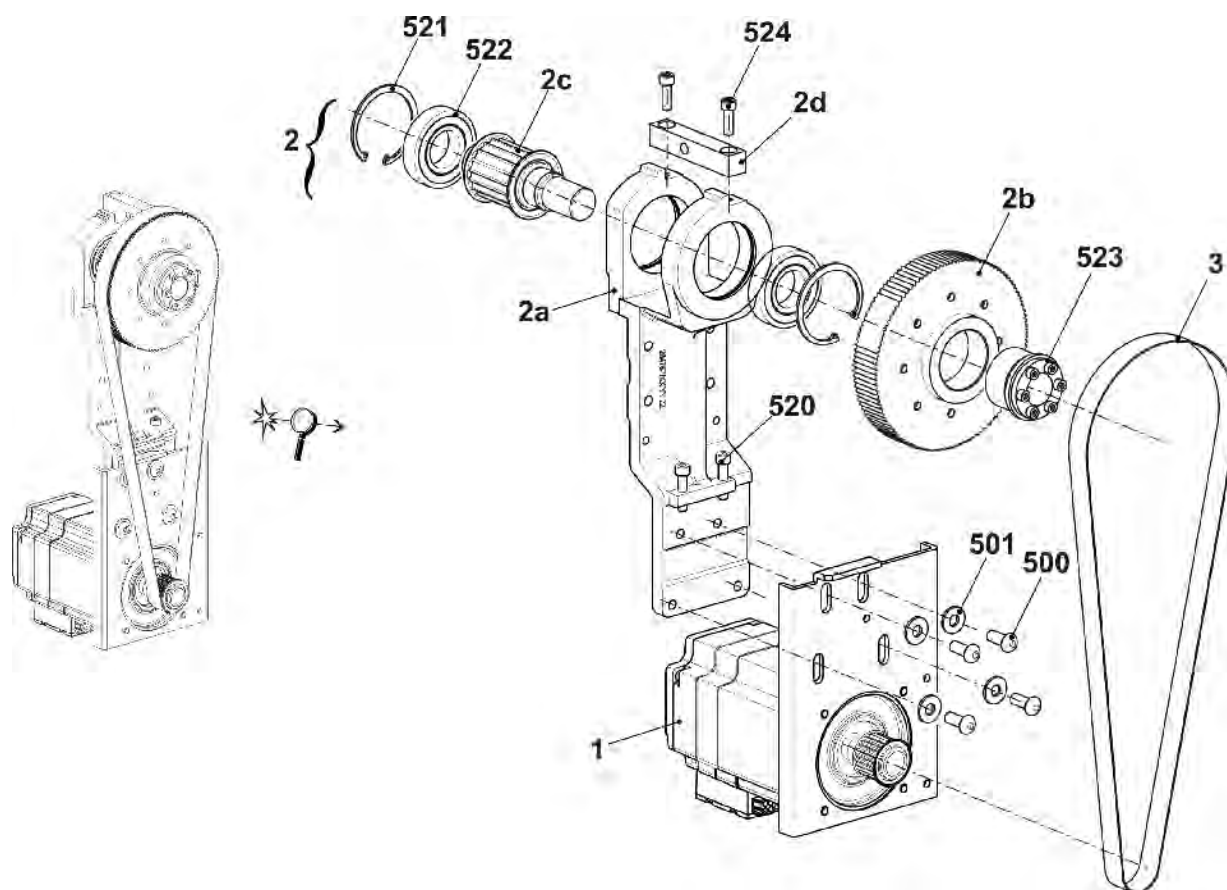
2.1 Drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit		17	Parabolic spring	200 661
11	Drive unit complete	253 877	23	Fan complete	253 692
12	Tension bearing complete	251 581	523	Cap screw M8x12	023 138
14	Toothed belt 50AT10/4670	253 890	905	Nut M10x12	023 471
16	Spacer pipe	222 099	907	Cap screw M10x25	020 157



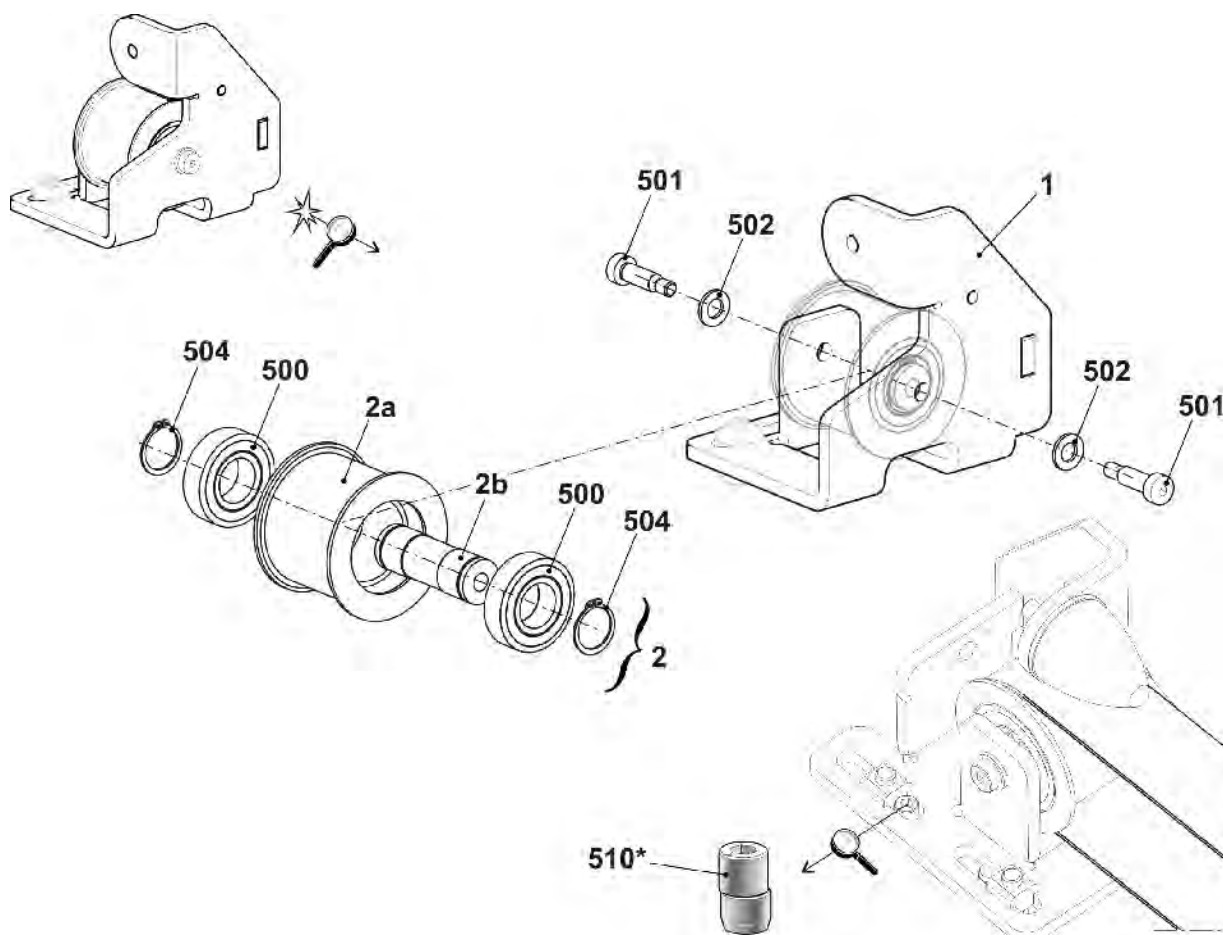
2.1.1 Motor and belt drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	253 877			
1	Drive unit	258 188	521	Retaining ring 68x2.5	022 914
2	Drive bearing complete	264 764	522	Grooved ball bearing 6207-2RS	022 915
2a	Drive bearing	264 758	523	Tension set 30X55	023 208
2b	Toothed belt pulley	240 616	524	Cap screw M8X25 12.9	020 142
2c	Pinion 57 AT10 18	242 039	3	Toothed belt	252 594
2d	Support of buffer	222 100	500	Pan-head screw M10X25	023 684
520	Cap screw M8X35	020 144	501	Disk 10,5X25X2,5	022 178



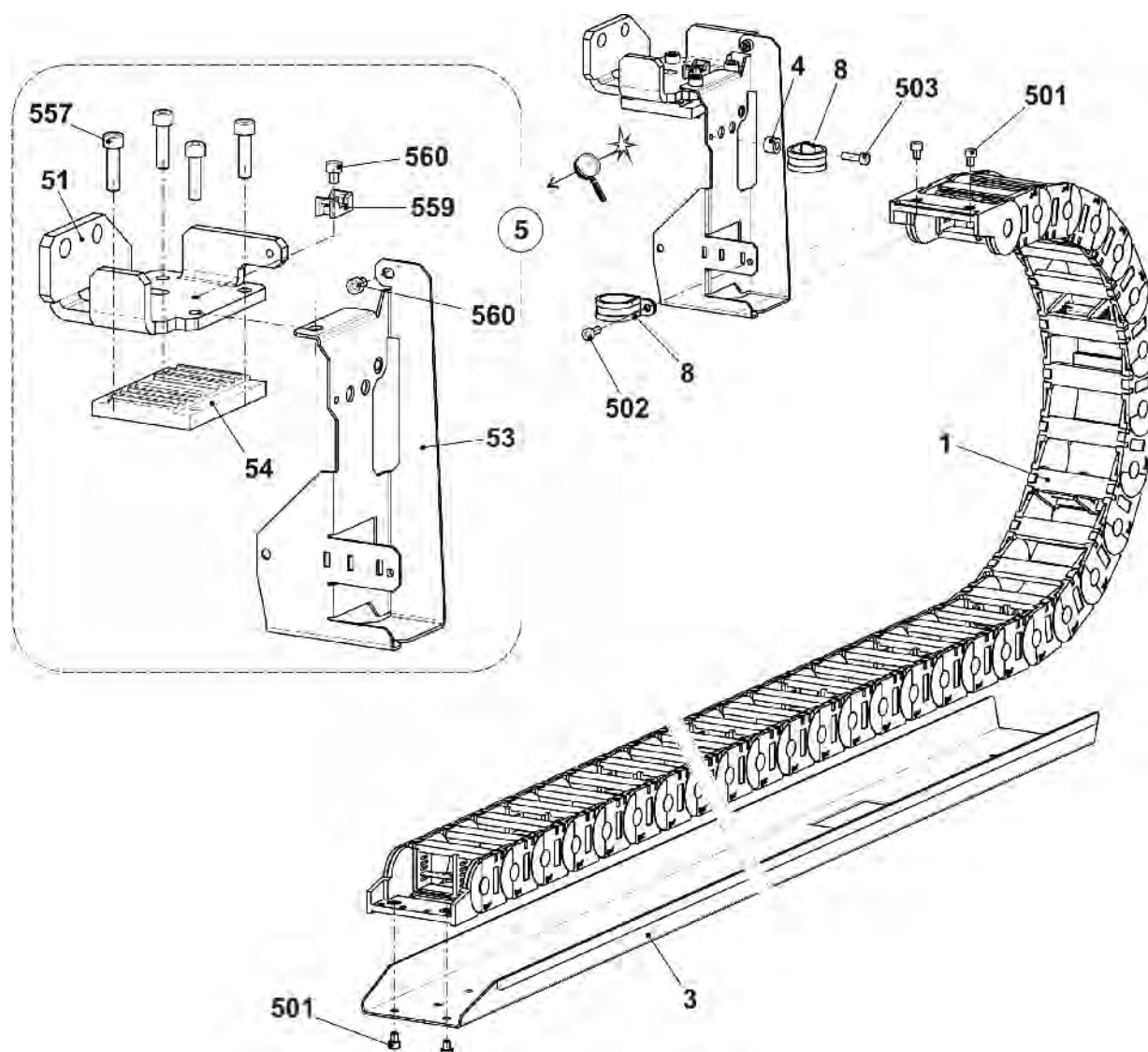
2.1.2 Tension bearing

Pos	Designation		Id	Pos	Designation		Id
Σ	Tension bearing complete		251 581	2	500	Grooved ball bearing 625-6305-2RS	255 686
1	Tension bearing		251 560		504	Retaining ring 471-25x1,2	
2	Tension roller complete		256 640	501	Cap screw M10x25		023 751
	2a	Tension roller	255 684	502	Washer		020 874
	2b	Axle	251 579	510*	Eccentric		255 499

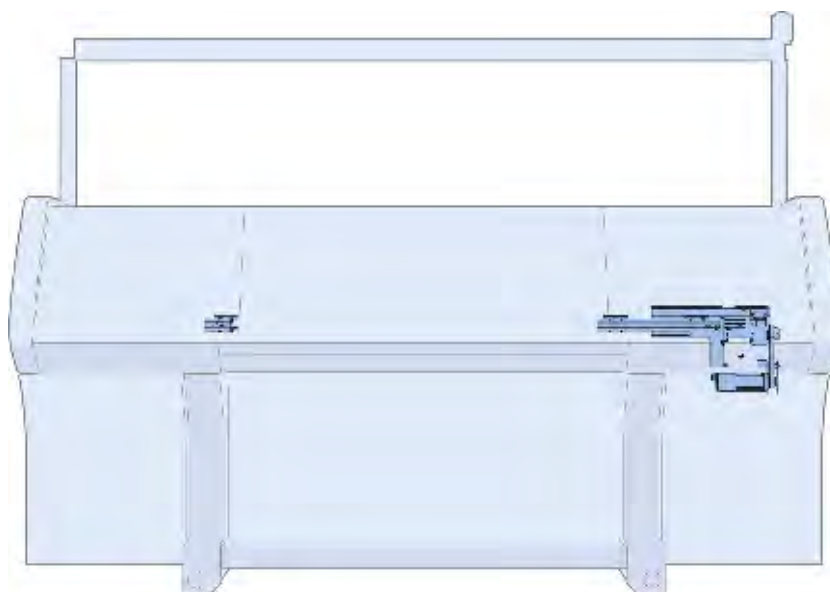


2.2 Energy chain and plunger

Pos	Designation	ID	Pos	Designation	ID
1	Energy chain 30 links	259 234	5	Carriage driver complete	265 268
3	Depositing gutter	263 983	51	Carriage driver	258 380
4	Threaded spacer	214 584	53	Cable driver carriage driver	266 400
8	Hose clip	214 653	54	Clamping plate	252 592
501	Cap screw M6x8	023 411	557	Cap screw M8x30	020 143
502	Cap screw M6x16	020 135	559	Fixing element	026 489
503	Cap screw M6x20	020 136	560	Cap screw M6x8	023 411

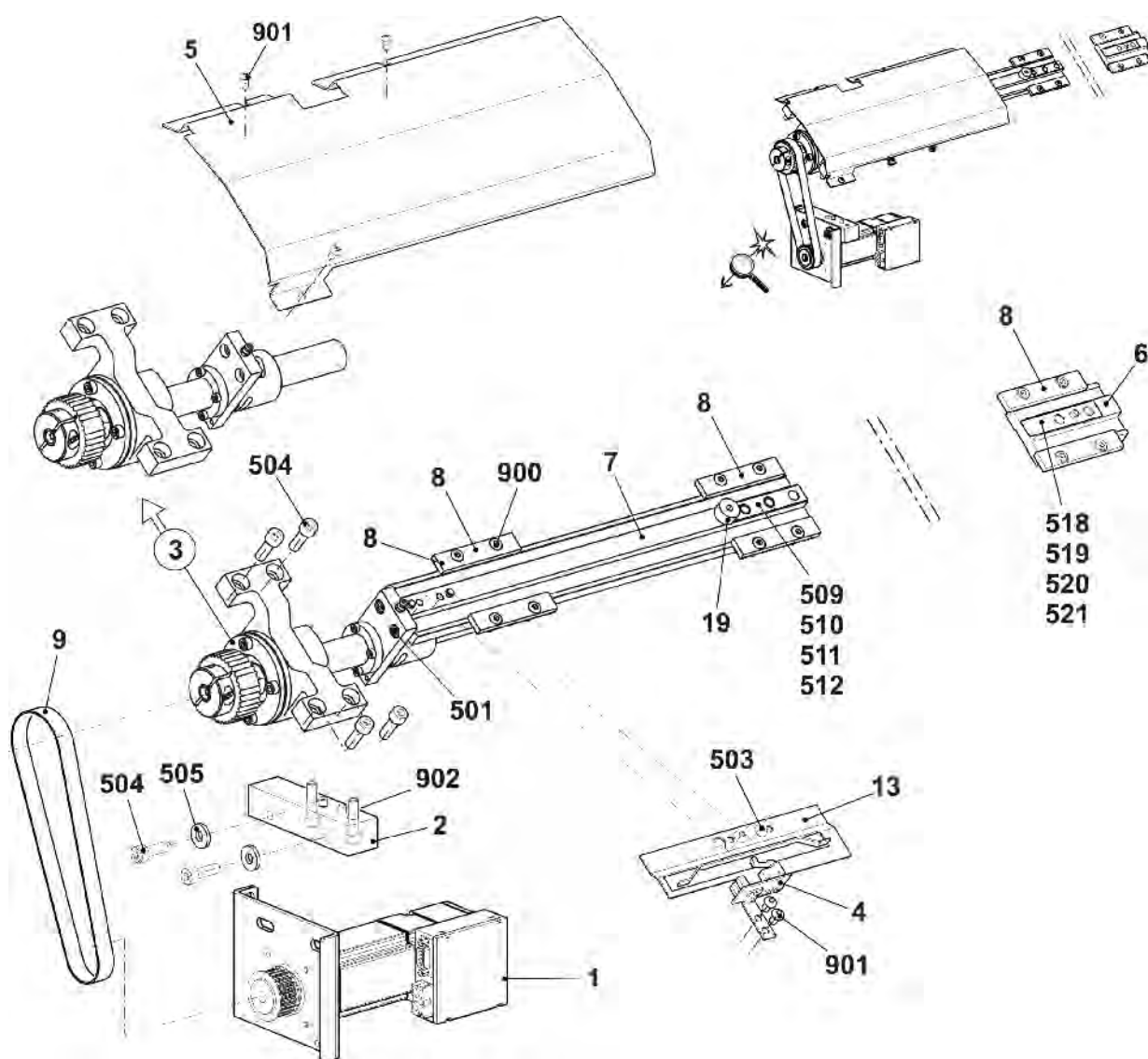


3 Racking



3.1 Racking

Pos	Designation	Id	Pos	Designation	Id
Σ	Racking				
1	Three-phase AC servo motor racking complete	259 115	504	Cap screw M8x25	020 142
2	Bearing racking motor	264 630	505	Washer 8,4X20X3	022 175
3	Spindle bearing	253 262	509	Shim0,03x15x85	023 162
4	Card racking limit switch	229 396	510	Shim0,05x15x85	023 163
5	Racking cover plate	240 721	511	Shim0,1x15x85	023 164
6	Racking strip on the left	240 696	512	Shim0,2x15x85	023 170
7	Racking strip	240 690	518	Shim0,03x15x75	023 395
8	Guide strip	206 382	519	Shim 0,05x15x7	023 396
9	Toothed belt150 S 5M 490	229 281	520	Shim0,1x15x75	023 397
13	Switch plate	240 722	521	Shim0,2x15x75	023 398
19	Stop screw	221 386	900	Cap screw M6x12	022 795
501	Cap screw M6x16	023 116	901	Pan-head screw M6x10	023 183
503	Pan-head screw M6x10	023 183	902	Cap screw M8x30	020 143

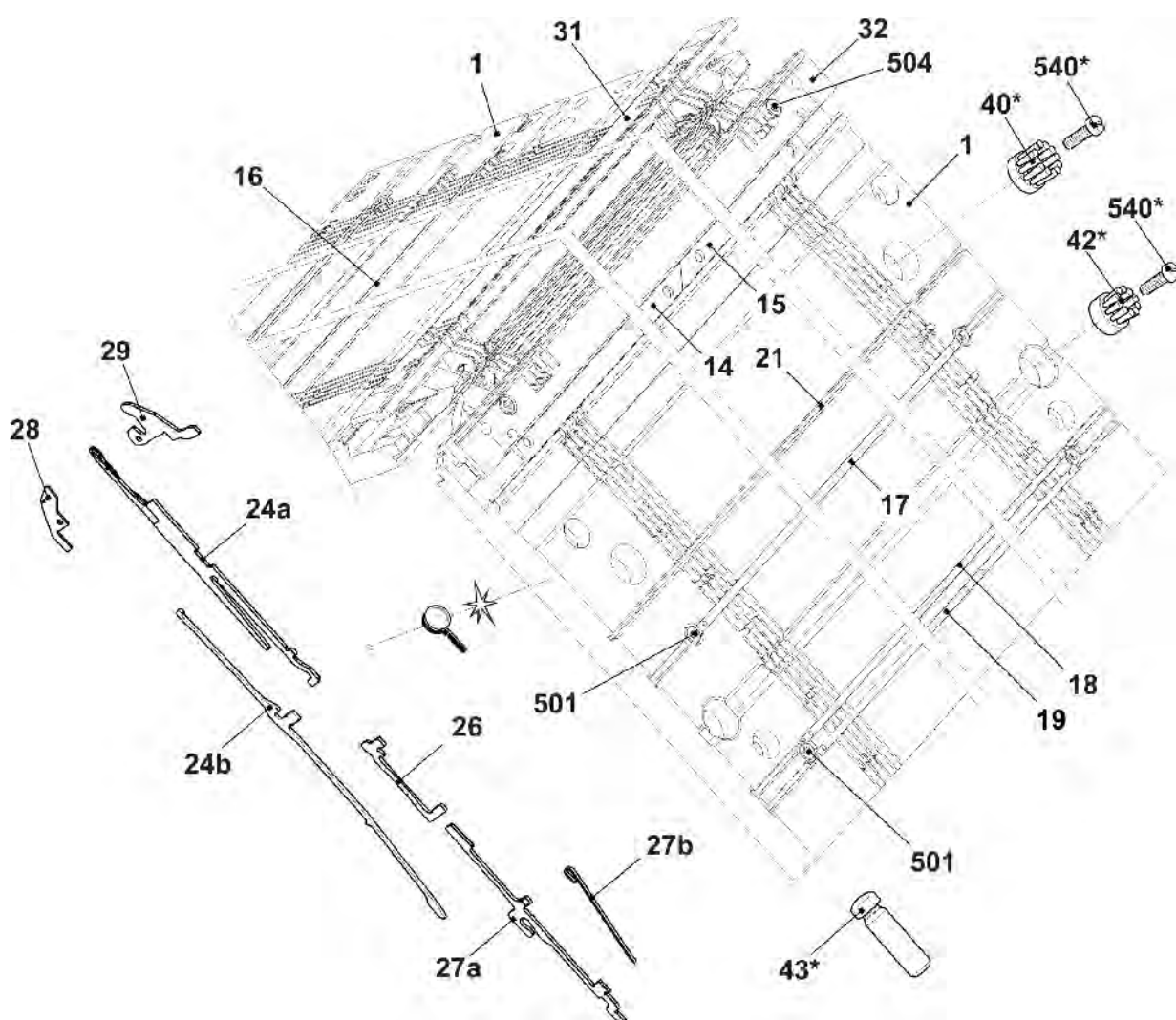


4 Needle beds



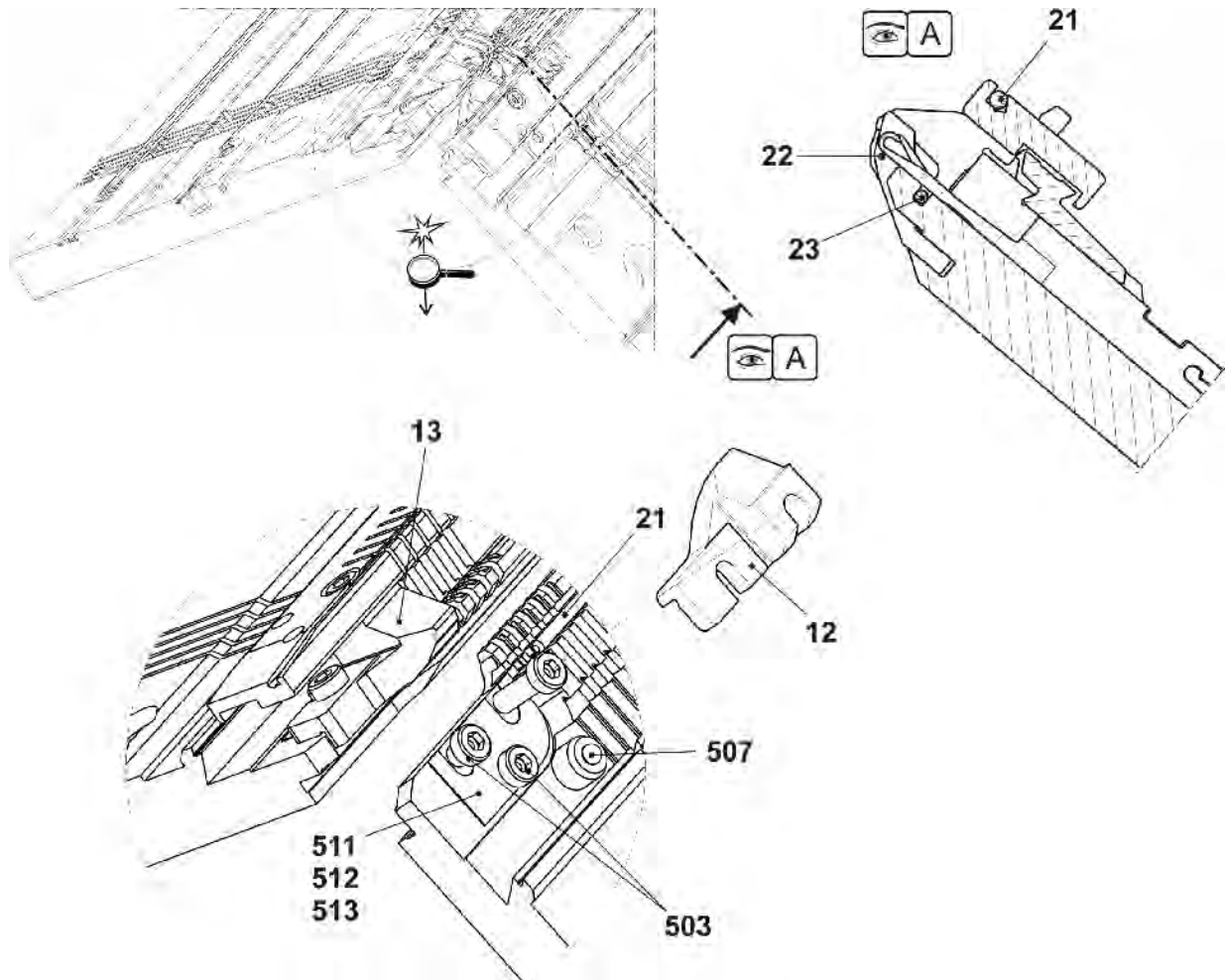
4.1 Needle bed E5

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5	263 856	15	Needle bar on the right	213 999
1	Needle bed at the front + rear E5	263 705	16	Cover rail at the rear	213 981
31	Holding-down jack bed at the rear E5	240 444	17	Cover rail at the front E5	214 033
32	Holding-down jack bed at the front E5	240 427	18	Cover rail	213 762
24a	Needle E5 – E6 with round hook	205 396	19	Cover rail	213 763
24b	Coupling part E5 – E8	253 381	21	Locating wire ø2	213 983
26	Intermediate slider E5 – E8	237 323	501	Cap screw M5x10	022 918
27a	Selection jack E4 – E8	200 687	504	Cap screw M5x22	023 193
27b	Selector spring E4 – E8	200 690	40*	Disk brush	235 612
28	Knock-over bit E5	204 996	42*	Disk brush	202 600
29	Holding-down jack E5	205 031	43*	Adjusting bolt	251 772
14	Needle bar on the left	213 998	540*	Cap screw M5x12	020 032



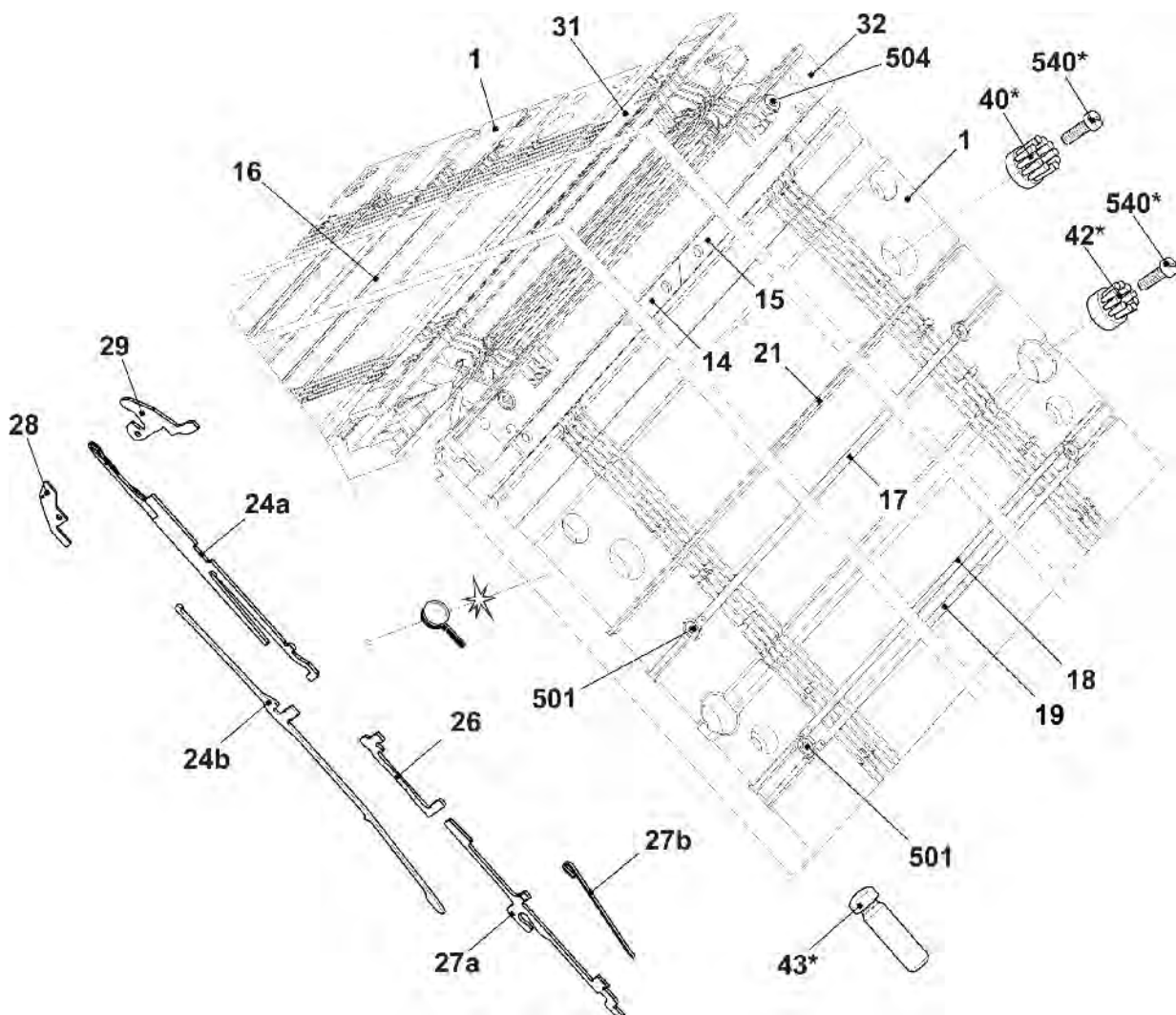
4.1.1 Continuation needle bed E5

Pos	Designation	Id	Pos	Designation	Id
12	Limiter on the left E4-8	205 343	503	Cap screw M5x8	023 154
13	Limiter on the right E4-8	205 344	507	Springy thrust piece	023 177
21	Locating wire ø2,8	213 983	511	Shim0,05x18,5x34	023 196
22	Spring steel wire ø1,0	213 988	512	Shim0,1x18,5x34	023 197
23	Spring steel wire ø 2,0	213 996	513	Shim0,2x18,5x34	023 253



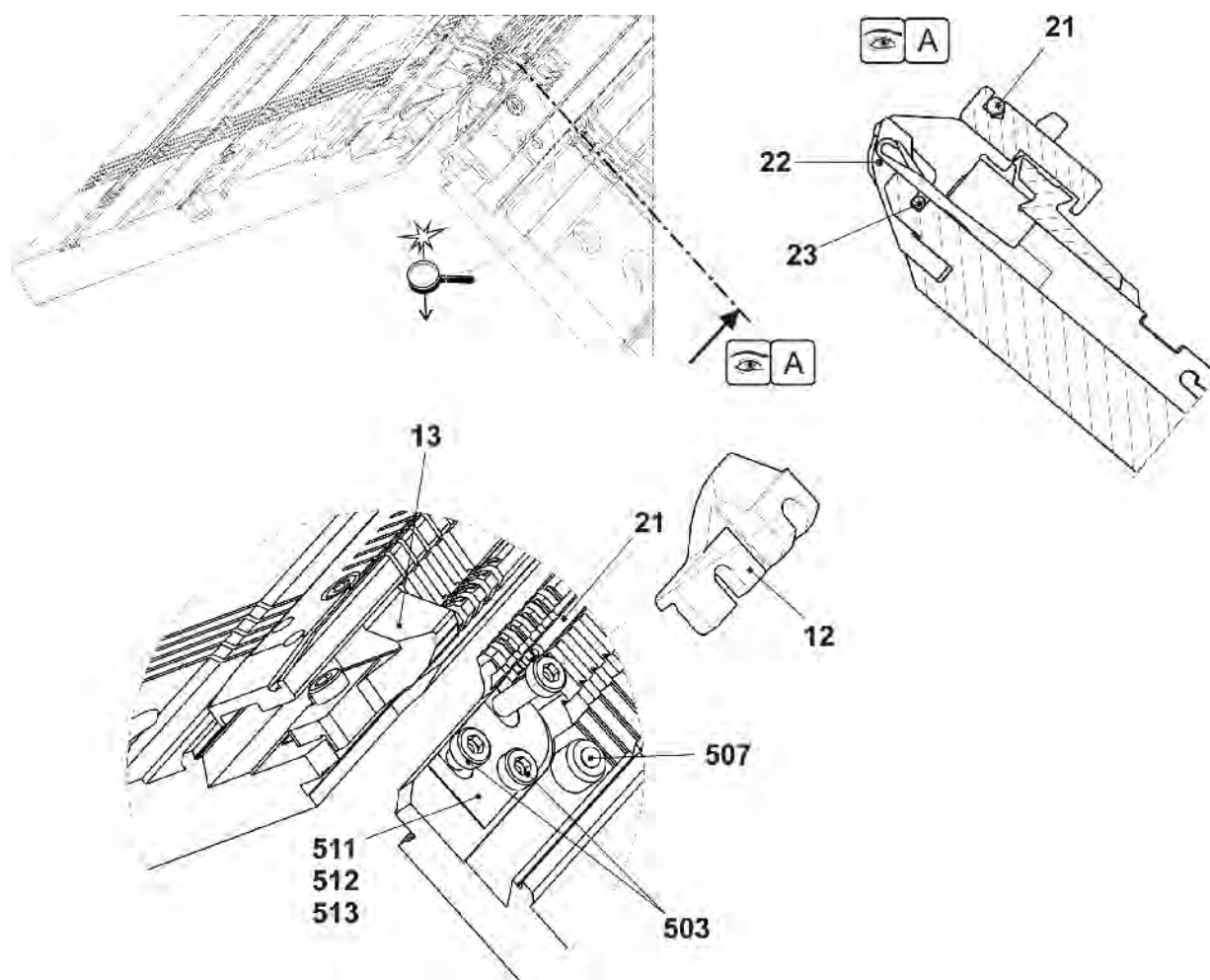
4.2 Needle bed E7

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7	263 857	27a	Selection jack E4 – E8	200 687
1	Needle bed at the front + rear E7	263 706	27b	Selector spring E4 – E8	200 690
14	Needle bar on the left	213 998	28	Knock-over bit E7	207 055
15	Needle bar on the right	213 999	29	Holding-down jack E7	205 032
16	Cover rail at the rear	213 981	31	Holding-down jack bed at the rear E7	240 445
17	Cover rail at the front E7	214 034	32	Holding-down jack bed at the front E7	240 428
18	Cover rail	213 762	501	Cap screw M5x10	022 918
19	Cover rail	213 763	504	Cap screw M5x22	023 193
21	Locating wire ø2	213 983	40*	Disk brush	235 612
24a	Needle E7 with round hook	205 397	42*	Disk brush	202 600
24b	Coupling part E5 - E8	253 381	43*	Adjusting bolt	251 772
26	Intermediate slider E5 – E8	237 323	540*	Cap screw M5x12	020 032



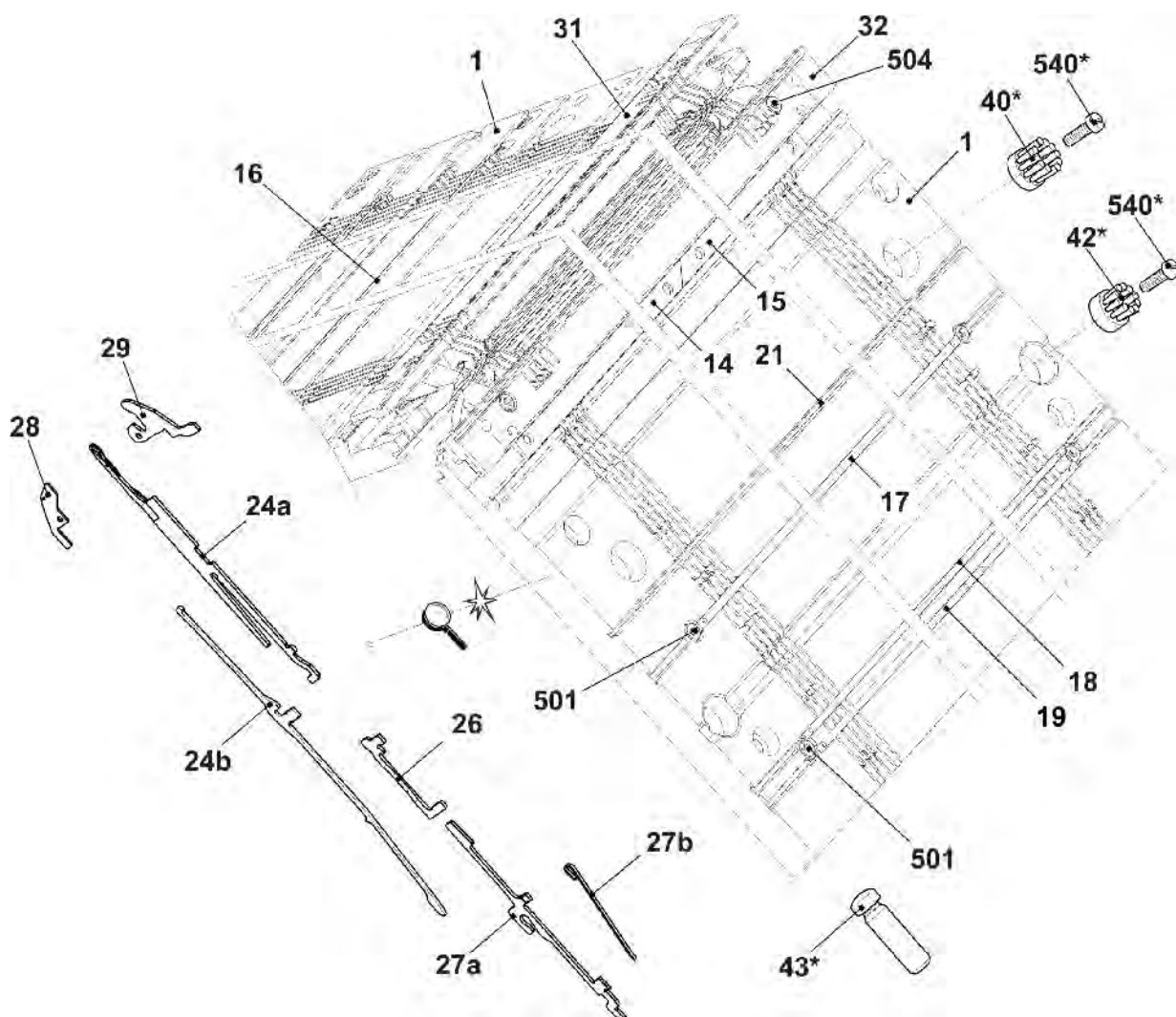
4.2.1 Continuation needle bed E7

Pos	Designation	Id	Pos	Designation	Id
12	Limiter on the left E4-8	205 343	503	Cap screw M5x8	023 154
13	Limiter on the right E4-8	205 344	507	Springy thrust piece	023 177
21	Locating wire ø2,8	213 983	511	Shim0,05x18,5x34	023 196
22	Spring steel wire ø 0,8	213 989	512	Shim0,1x18,5x34	023 197
23	Spring steel wire ø 2,0	213 996	513	Shim0,2x18,5x34	023 253



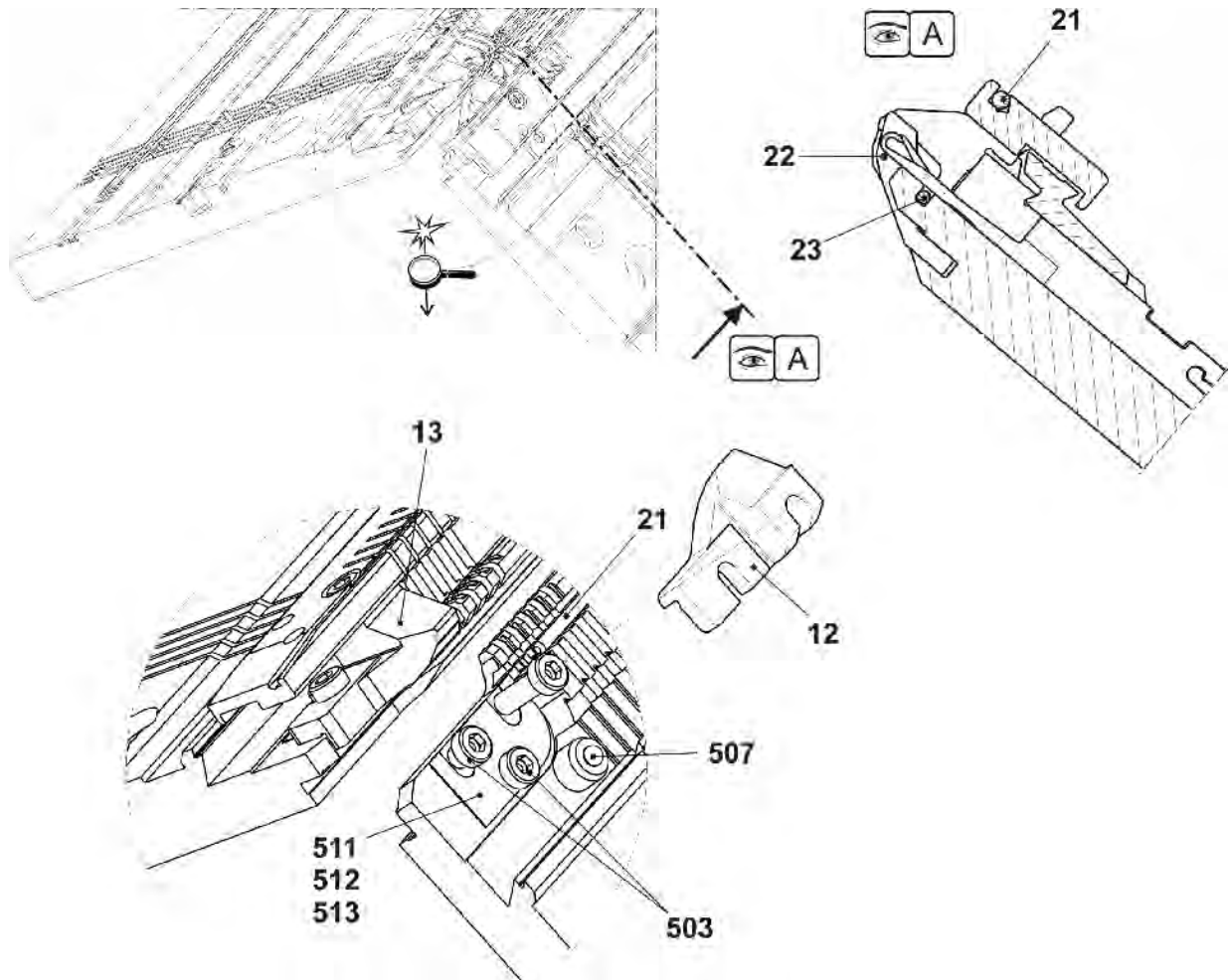
4.3 Needle bed E8

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E8	263 858	27a	Selection jack E4 – E8	200 687
1	Needle bed at the front + rear E8	263 707	27b	Selector spring E4 – E8	200 690
14	Needle bar on the left	213 998	28	Knock-over bit E8	207 054
15	Needle bar on the right	213 999	29	Holding-down jack E8	205 028
16	Cover rail at the rear	213 981	31	Holding-down jack bed at the rear E8	240 446
17	Cover rail at the front E8	214 035	32	Holding-down jack bed at the front E8	240 429
18	Cover rail	213 762	501	Cap screw M5x10	022 918
19	Cover rail	213 763	504	Cap screw M5x22	023 193
21	Locating wire ø2	213 983	40*	Disk brush	235 612
24a	Needle E5 – E6 with round hook	205 396	42*	Disk brush	202 600
24b	Coupling part E5 - E8	253 381	43*	Adjusting bolt	251 772
26	Intermediate slider E5 – E8	237 323	540*	Cap screw M5x12	020 032



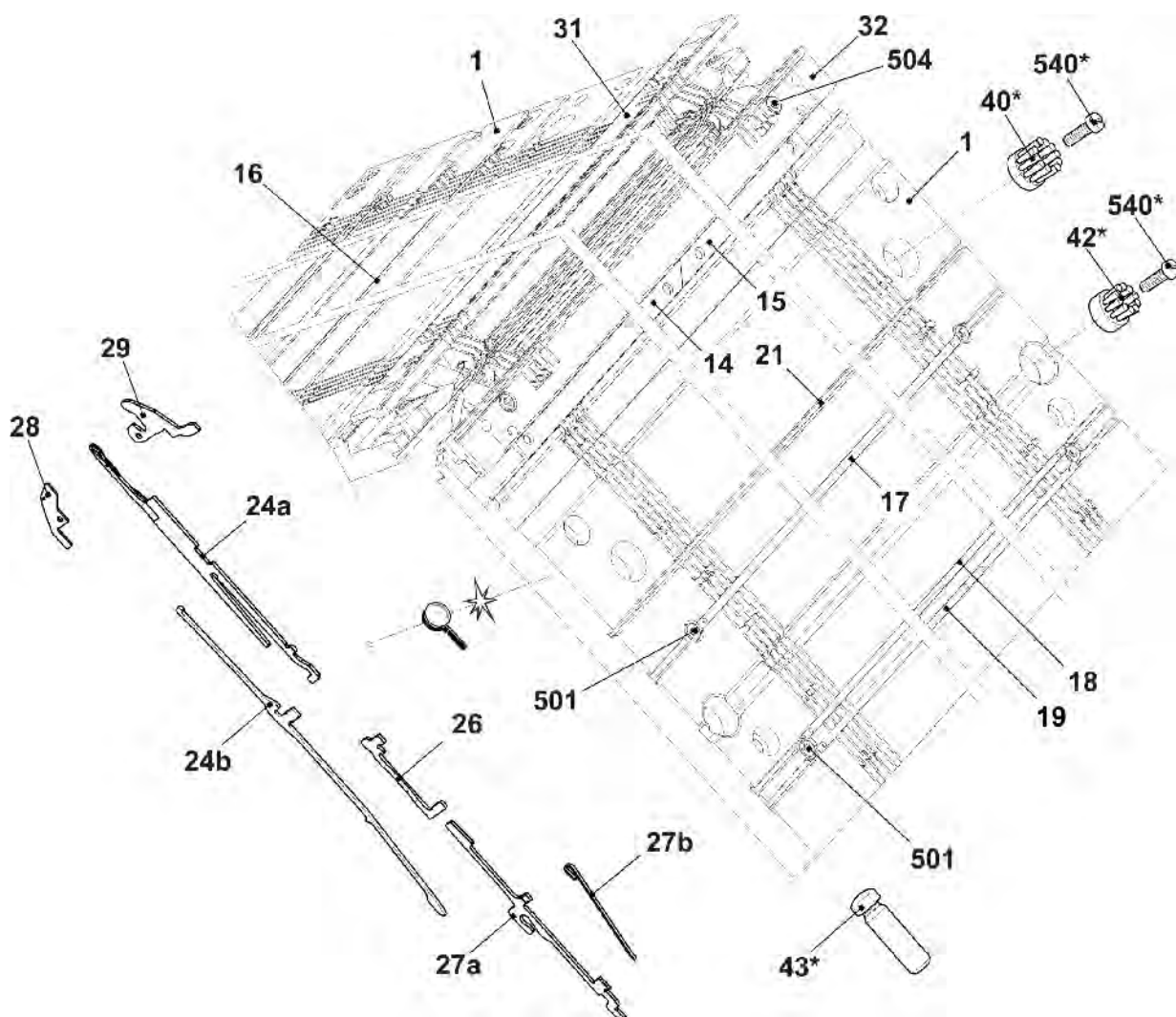
4.3.1 Continuation needle bed E8

Pos	Designation	Id	Pos	Designation	Id
12	Limiter on the left E4-8	205 343	503	Cap screw M5x8	023 154
13	Limiter on the right E4-8	205 344	507	Springy thrust piece	023 177
21	Locating wire ø2,8	213 983	511	Shim0,05x18,5x34	023 196
22	Spring steel wire ø1,0	213 988	512	Shim0,1x18,5x34	023 197
23	Spring steel wire ø 2,0	213 996	513	Shim0,2x18,5x34	023 253



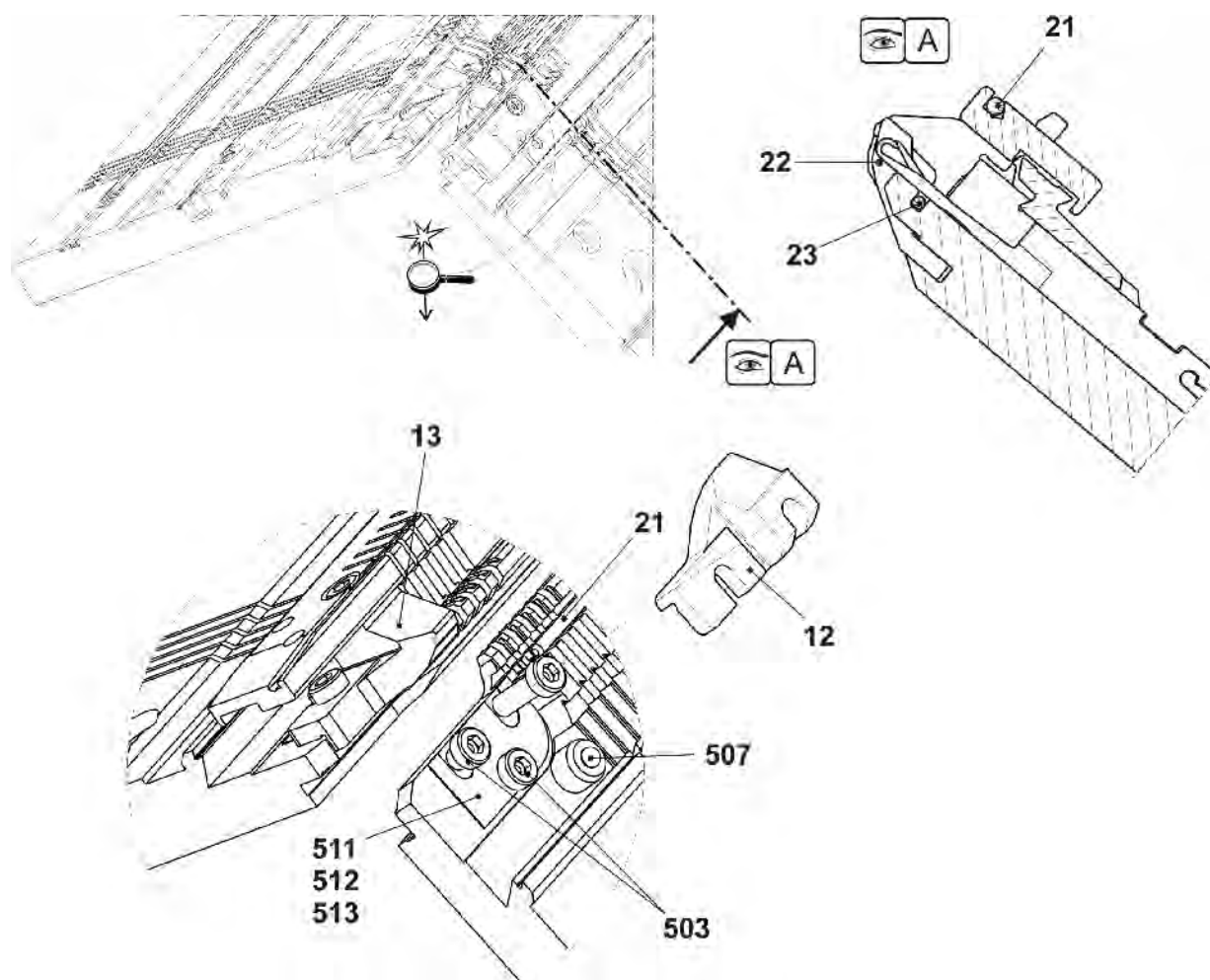
4.4 Needle bed E5m.4

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5m.4	263 867	15	Needle bar on the right	213 999
1	Needle bed at the front + rear E5	263 705	16	Cover rail at the rear	213 981
31	Holding-down jack bed at the rear E5	240 444	17	Cover rail at the front E5	214 033
32	Holding-down jack bed at the front E5	240 427	18	Cover rail	213 762
24a	Needle E5 – E6 with round hook	205 396	19	Cover rail	213 763
24b	Coupling part E5 – E8	253 381	21	Locating wire ø2	213 983
26	Intermediate slider E5 – E8	237 323	501	Cap screw M5x10	022 918
27a	Selection jack E4 – E8	200 687	504	Cap screw M5x22	023 193
27b	Selector spring E4 – E8	200 690	40*	Disk brush	235 612
28	Knock-over bit E5	204 996	42*	Disk brush	202 600
29	Holding-down jack E5	205 031	43*	Adjusting bolt	251 772
14	Needle bar on the left	213 998	540*	Cap screw M5x12	020 032



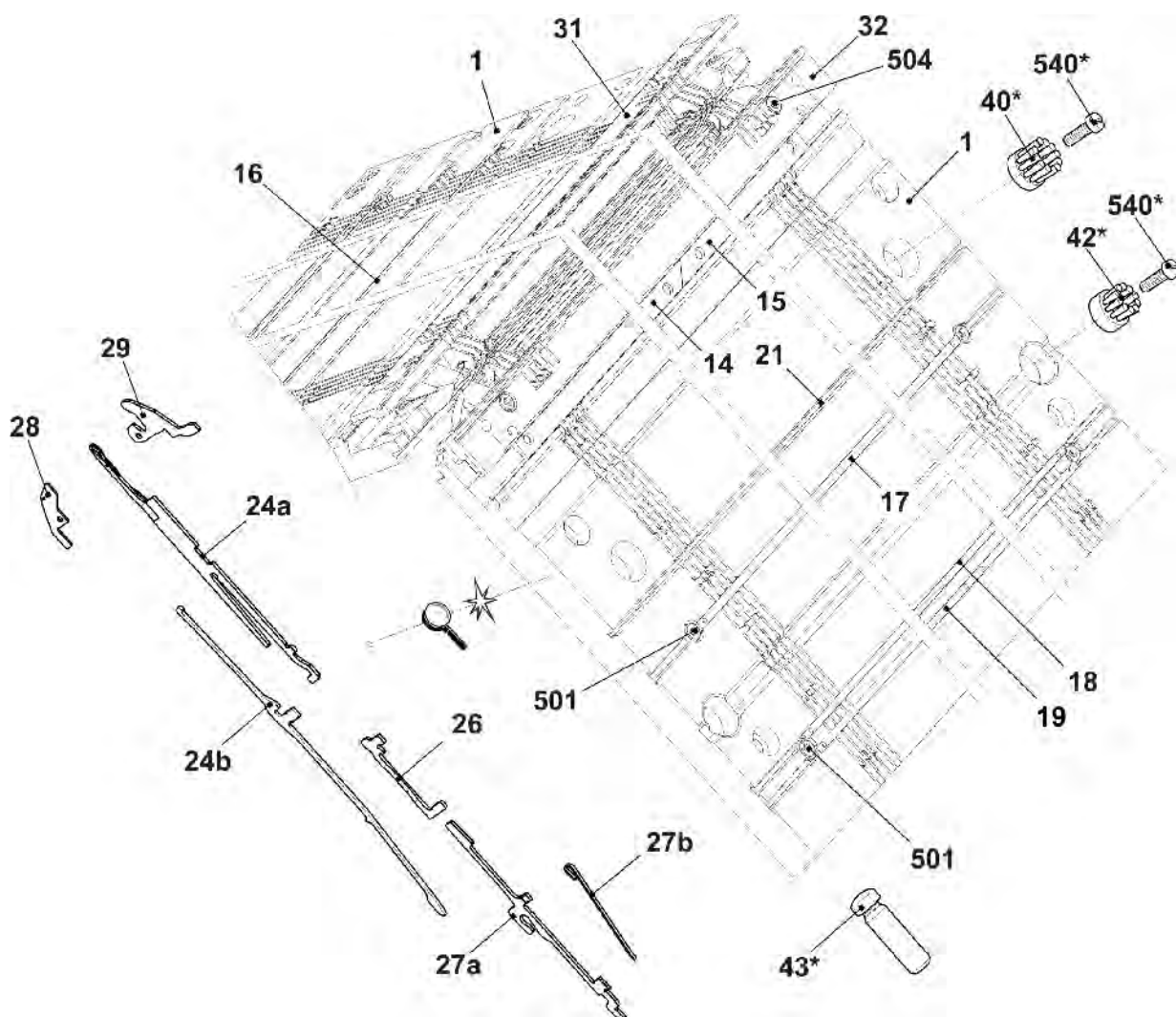
4.4.1 Continuation needle bed E5m.4

Pos	Designation	Id	Pos	Designation	Id
12	Limiter on the left E4-8	205 343	503	Cap screw M5x8	023 154
13	Limiter on the right E4-8	205 344	507	Springy thrust piece	023 177
21	Locating wire ø2,8	213 983	511	Shim0,05x18,5x34	023 196
22	Spring steel wire ø1,0	213 988	512	Shim0,1x18,5x34	023 197
23	Spring steel wire ø 2,0	213 996	513	Shim0,2x18,5x34	023 253



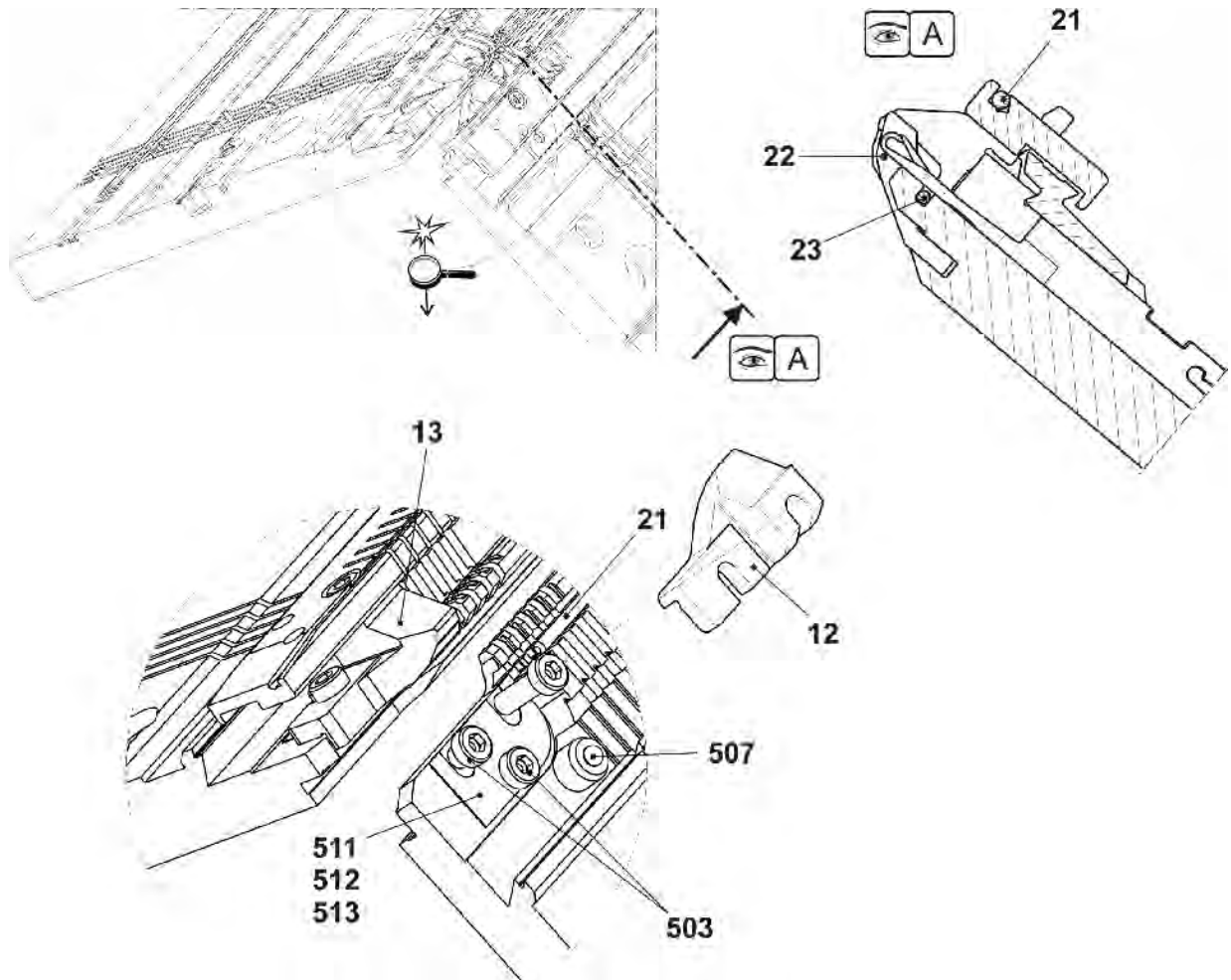
4.5 Needle bed E7m.5

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7m.5	263 870	27a	Selection jack E4 – E8	200 687
1	Needle bed at the front + rear E7	263 706	27b	Selector spring E4 – E8	200 690
14	Needle bar on the left	213 998	28	Knock-over bit E7	207 055
15	Needle bar on the right	213 999	29	Holding-down jack E7	205 032
16	Cover rail at the rear	213 981	31	Holding-down jack bed at the rear E7	240 445
17	Cover rail at the front E7	214 034	32	Holding-down jack bed at the front E7	240 428
18	Cover rail	213 762	501	Cap screw M5x10	022 918
19	Cover rail	213 763	504	Cap screw M5x22	023 193
21	Locating wire ø2	213 983	40*	Disk brush	235 612
24a	Needle E5 – E6 with round hook	205 396	42*	Disk brush	202 600
24b	Coupling part E5 - E8	253 381	43*	Adjusting bolt	251 772
26	Intermediate slider E5 – E8	237 323	540*	Cap screw M5x12	020 032



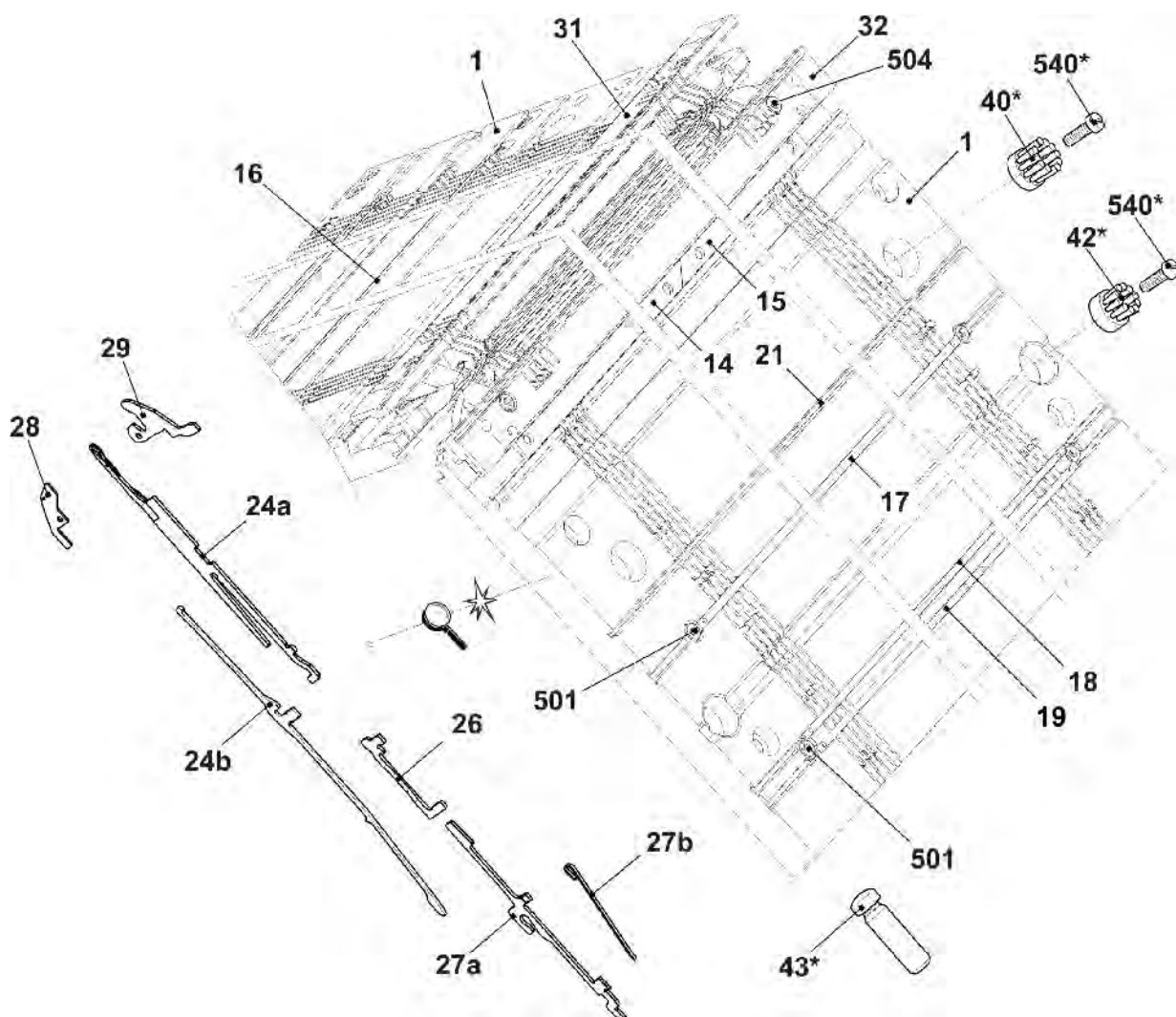
4.5.1 Continuation needle bed E7m.5

Pos	Designation	Id	Pos	Designation	Id
12	Limiter on the left E4-8	205 343	503	Cap screw M5x8	023 154
13	Limiter on the right E4-8	205 344	507	Springy thrust piece	023 177
21	Locating wire ø2,8	213 983	511	Shim0,05x18,5x34	023 196
22	Spring steel wire ø1,0	213 988	512	Shim0,1x18,5x34	023 197
23	Spring steel wire ø 2,0	213 996	513	Shim0,2x18,5x34	023 253



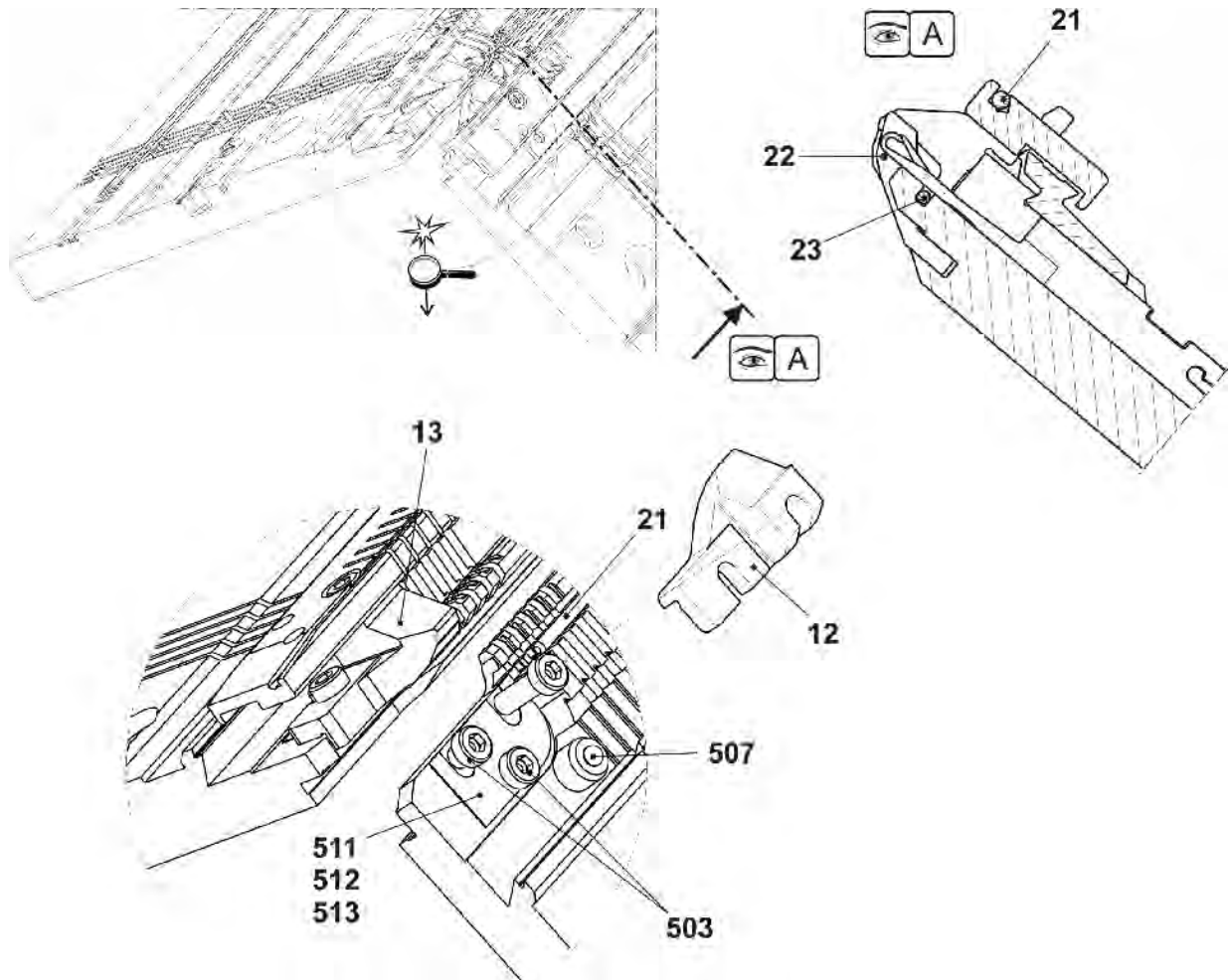
4.6 Needle bed E2,5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E2,5.2	263 868	15	Needle bar on the right	213 999
1	Needle bed at the front + rear E5	263 705	16	Cover rail at the rear	213 981
31	Holding-down jack bed at the rear E5	240 444	17	Cover rail at the front E5	214 033
32	Holding-down jack bed at the front E5	240 427	18	Cover rail	213 762
24a	Needle E2,5.2 E3,5.2	232 581	19	Cover rail	213 763
24b	Coupling part E5 - E8	253 381	21	Locating wire ø2	213 983
26	Intermediate slider E5 - E8	237 323	501	Cap screw M5x10	022 918
27a	Selection jack E4 - E8	200 687	504	Cap screw M5x22	023 193
27b	Selector spring E4 - E8	200 690	40*	Disk brush	235 612
28	Knock-over bit E5	204 996	42*	Disk brush	202 600
29	Holding-down jack E5	205 031	43*	Adjusting bolt	251 772
14	Needle bar on the left	213 998	540*	Cap screw M5x12	020 032



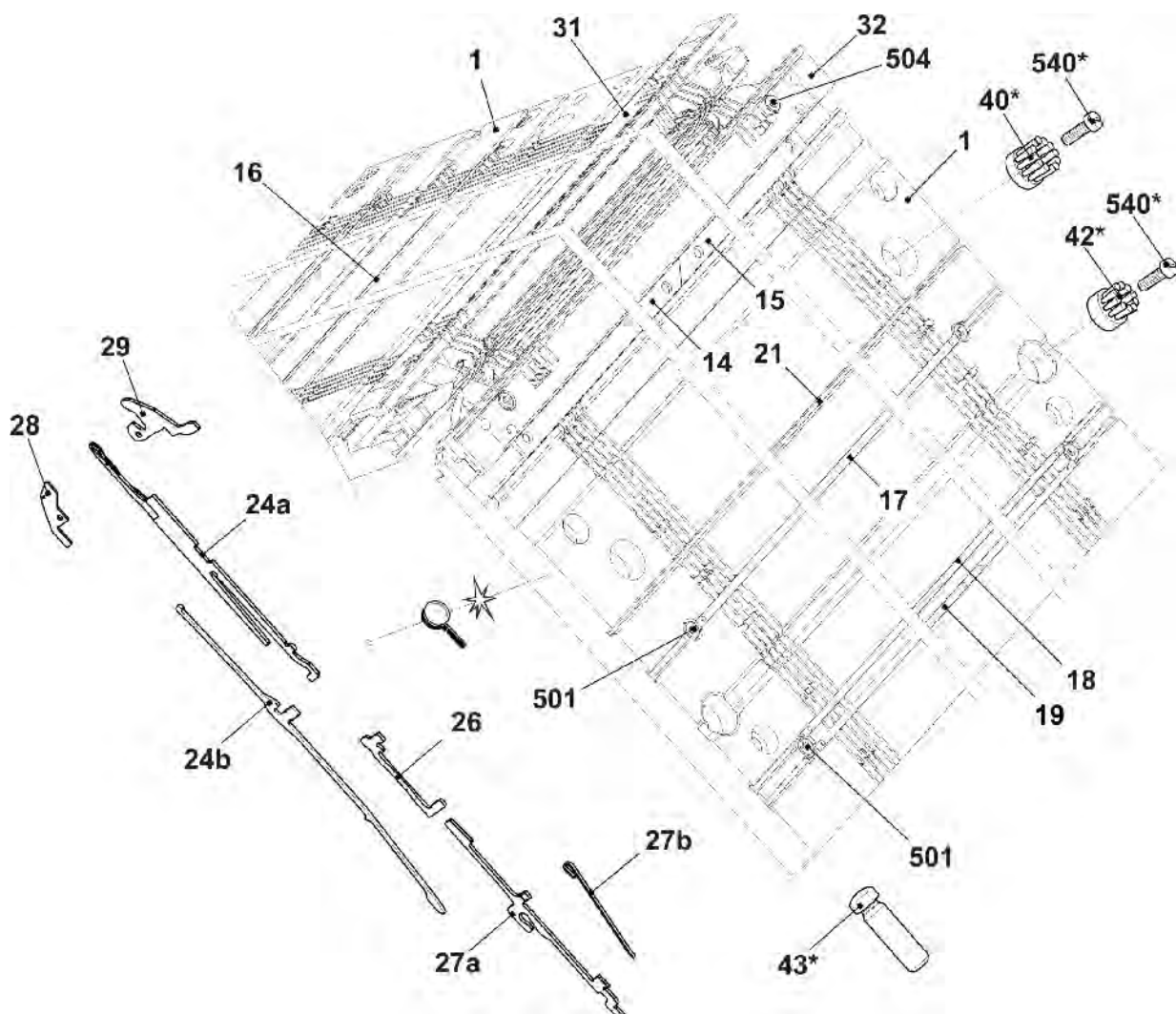
4.6.1 Continuation needle bed E2,5.2

Pos	Designation	Id	Pos	Designation	Id
12	Limiter on the left E4-8	205 343	503	Cap screw M5x8	023 154
13	Limiter on the right E4-8	205 344	507	Springy thrust piece	023 177
21	Locating wire ø2,8	213 983	511	Shim0,05x18,5x34	023 196
22	Spring steel wire ø1,0	213 988	512	Shim0,1x18,5x34	023 197
23	Spring steel wire ø 2,0	213 996	513	Shim0,2x18,5x34	023 253



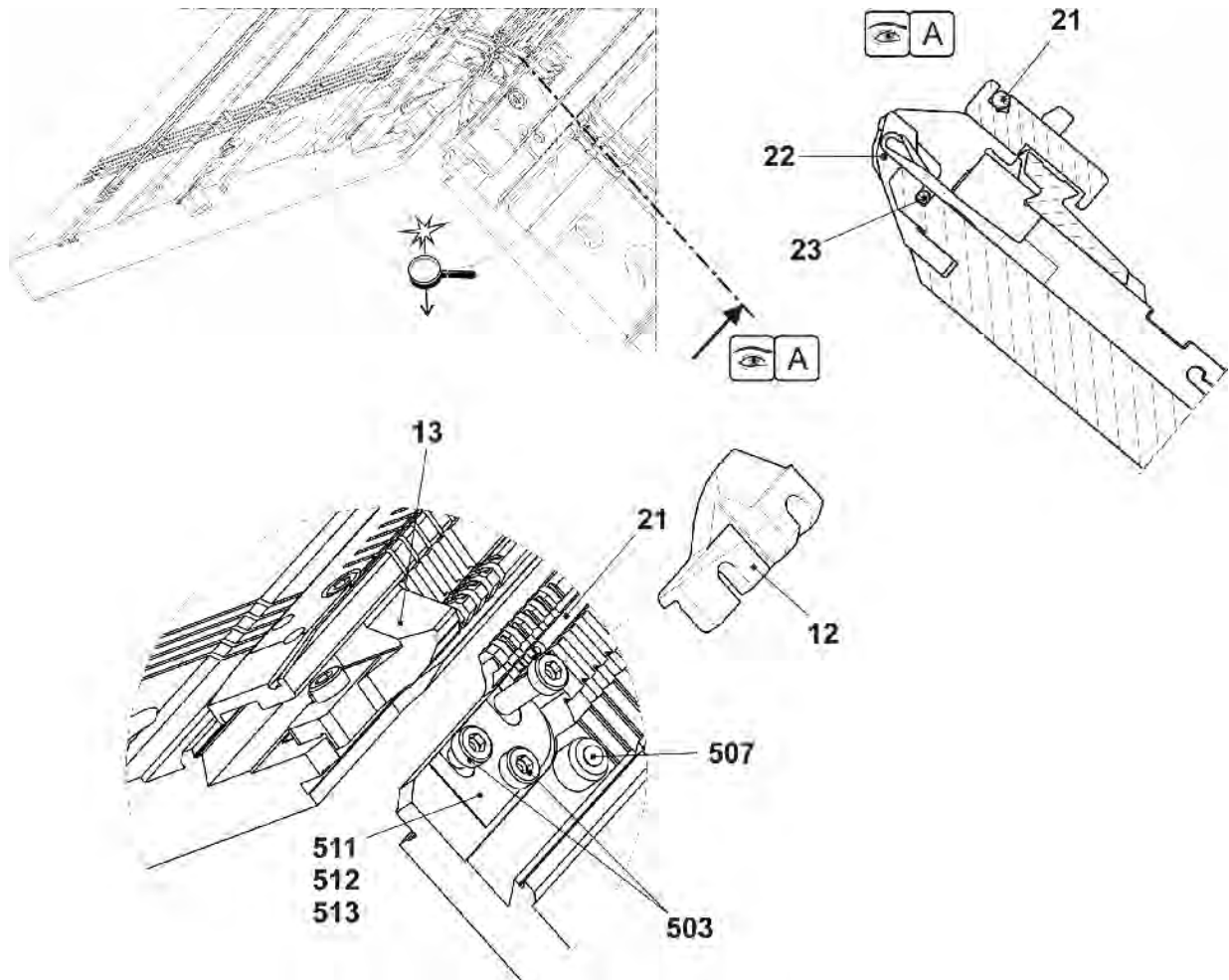
4.7 Needle bed E3,5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E3,5.2	263 872	27a	Selection jack E4 – E8	200 687
1	Needle bed at the front + rear E7	263 706	27b	Selector spring E4 – E8	200 690
14	Needle bar on the left	213 998	28	Knock-over bit E7	207 055
15	Needle bar on the right	213 999	29	Holding-down jack E7	205 032
16	Cover rail at the rear	213 981	31	Holding-down jack bed at the rear E3,5.2	240 453
17	Cover rail at the front E7	214 034	32	Holding-down jack bed at the front E3,5.2	240 436
18	Cover rail	213 762	501	Cap screw M5x10	022 918
19	Cover rail	213 763	504	Cap screw M5x22	023 193
21	Locating wire ø2	213 983	40*	Disk brush	235 612
24a	Needle E2,5.2 E3,5.2	232 581	42*	Disk brush	202 600
24b	Coupling part E5 - E8	253 381	43*	Adjusting bolt	251 772
26	Intermediate slider E5 – E8	237 323	540*	Cap screw M5x12	020 032



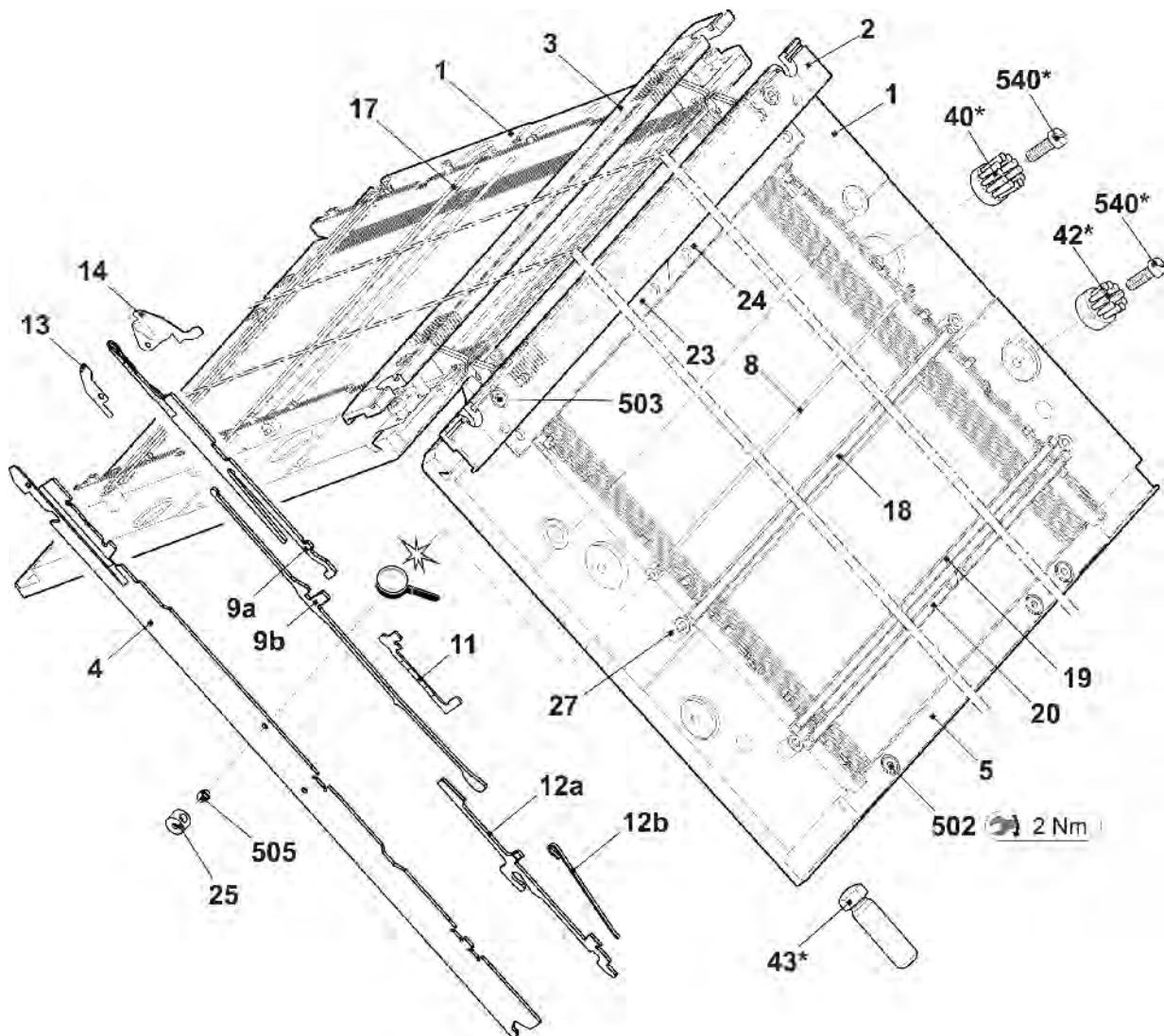
4.7.1 Continuation needle bed E3,5.2

Pos	Designation	Id	Pos	Designation	Id
12	Limiter on the left E4-8	205 343	503	Cap screw M5x8	023 154
13	Limiter on the right E4-8	205 344	507	Springy thrust piece	023 177
21	Locating wire ø2,8	213 983	511	Shim0,05x18,5x34	023 196
22	Spring steel wire ø1,0	213 988	512	Shim0,1x18,5x34	023 197
23	Spring steel wire ø 2,0	213 996	513	Shim0,2x18,5x34	023 253



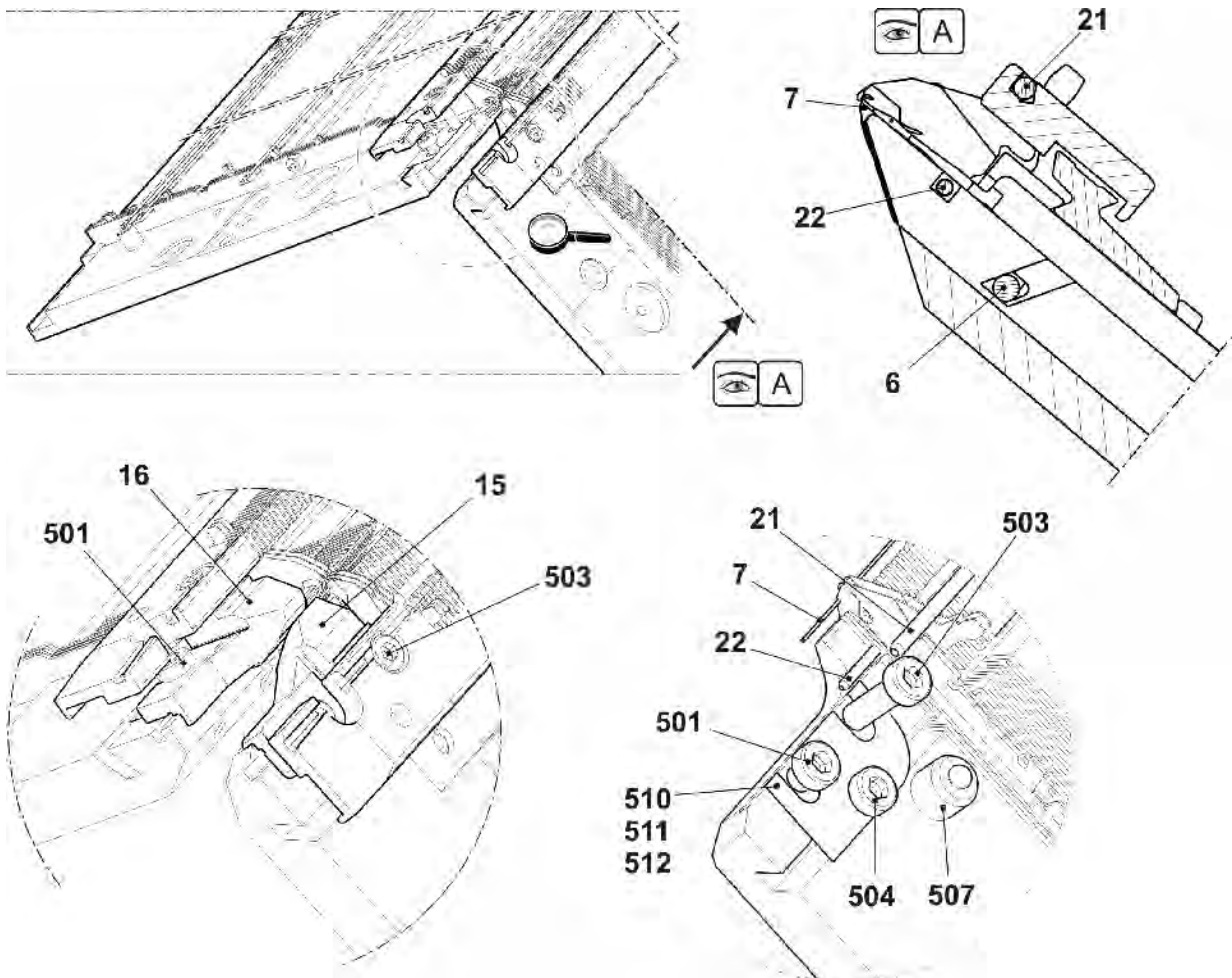
4.8 Needle bed E5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5.2	263 859			
1	Needle bed at the front + rear E5.2	263 708	18	Cover rail at the front E10	214 036
2	Holding-down jack bed at the front E5.2	240 437	19	Cover rail	213 762
3	Holding-down jack bed at the rear E5.2	240 454	20	Cover rail	213 763
4	Main trick wall E5.2	219 171	23	Needle bar on the left	213 998
5	Pressure slide E10-14	213 919	24	Needle bar on the right	213 999
8	Spring steel wire $\varnothing 2,0$	213 996	25	Bush	206 090
9a	Needle E5.2	219 181	27	Stop screw	214 039
9b	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	Setscrew 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*	Disk brush	202 600
14	Holding-down jack breast E5.2	229 832	43*	Adjusting bolt	251 772
17	Cover rail at the rear	213 981	540*	Cap screw M5x12	020 032



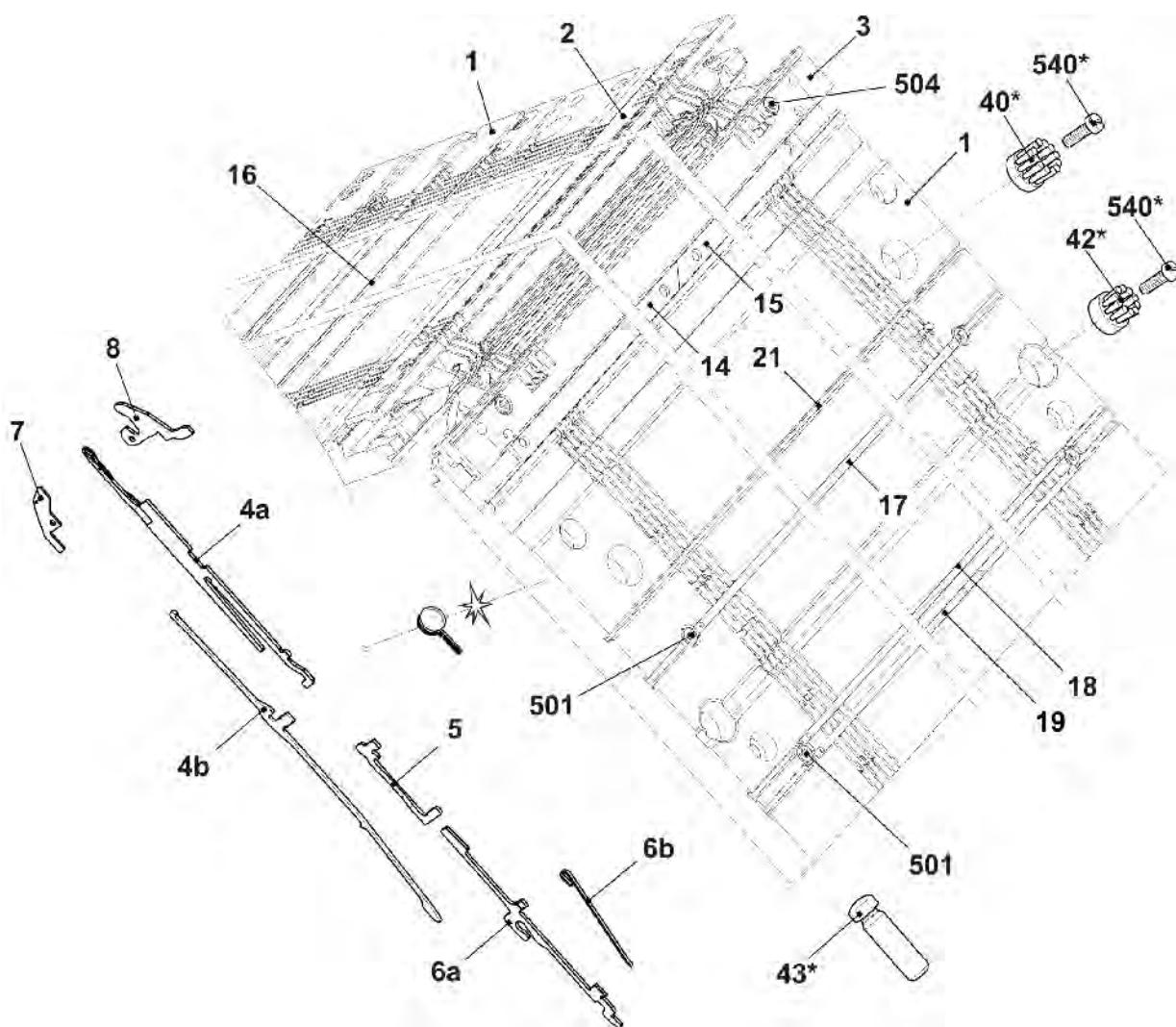
4.8.1 Continuation needle bed E5.2

Pos	Designation	Id	Pos	Designation	Id
6	Locating wire $\varnothing 3,4$	213 995	503	Cap screw M5x22	023 193
7	Spring steel wire $\varnothing 1,0$	213 988	504	Cap screw M5x12	022 943
15	Limiter on the left E4-8	205 343	507	Springy thrust piece	023 177
16	Limiter on the right E4-8	205 344	510	Shim0,05x18,5x34	023 196
21	Locating wire $\varnothing 2,8$	213 983	511	Shim0,1x18,5x34	023 197
22	Spring steel wire $\varnothing 1,95$	213 997	512	Shim0,2x18,5x34	023 253
501	Cap screw M5x8-8.8	023 154			



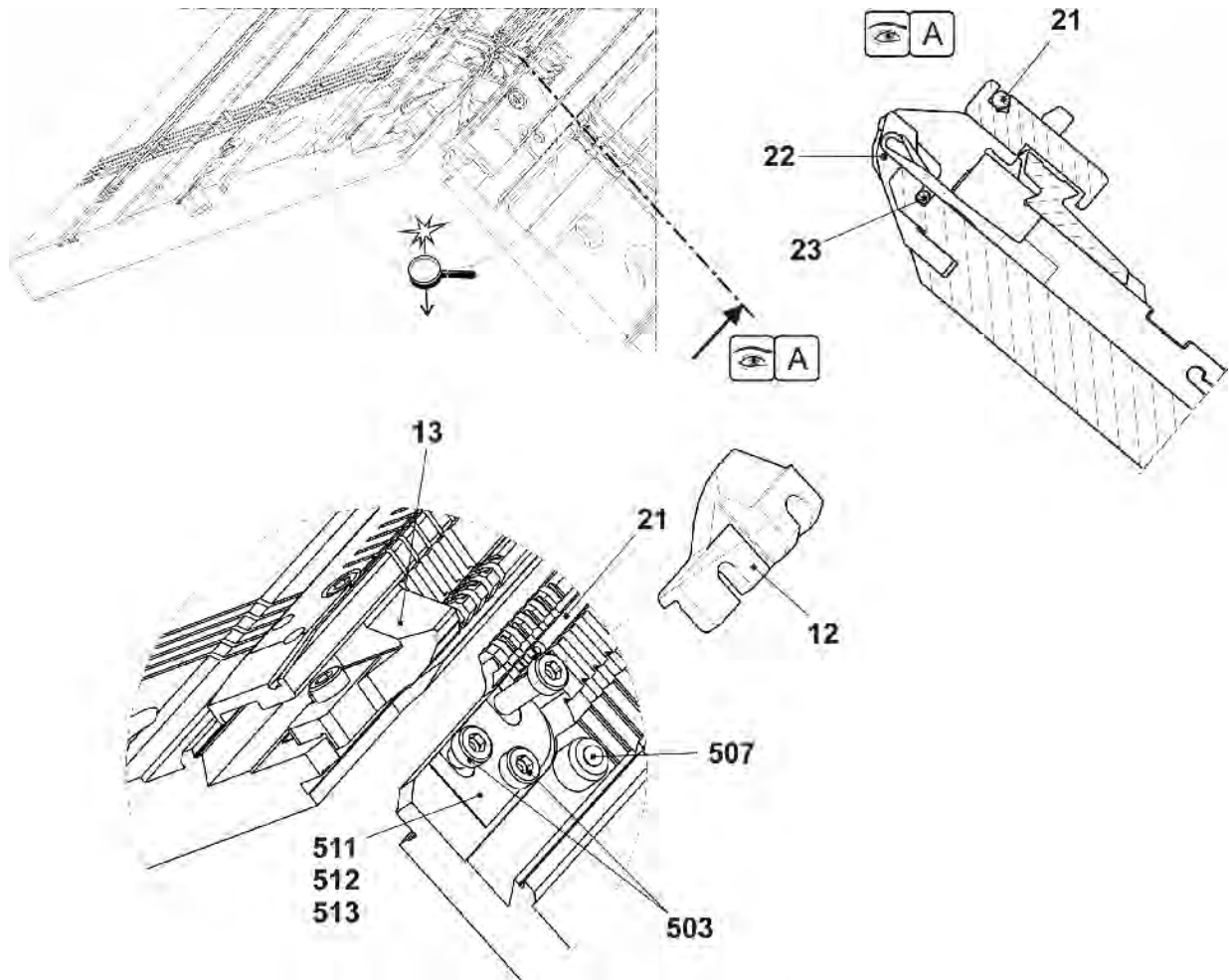
4.9 Needle bed E2,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rear E2,5.2m.4L	263 869	15	Needle bar on the right	213 999
1	Needle bed at the front + rear E5	263 705	16	Cover rail at the rear	213 981
2	Holding-down jack bed at the rear E2,5.2	240 452	17	Cover rail at the front E5	214 033
3	Holding-down jack bed at the front E2,5.2	240 435	18	Cover rail	213 762
4a	Needle E2,5.2+3,5.2m.4L	258 694	19	Cover rail	213 763
4b	Coupling part E5 - E8	253 381	21	Locating wire D=2,8 1290mm	213 983
5	Intermediate slider E5 - E8	237 323	501	Cap screw M5x10	022 918
6a	Selection jack E4 - E8	200 687	504	Cap screw M5x22	023 193
6b	Selector spring E4 - E8	200 690	40*	Disk brush	235 612
7	Knock-over bit E5	204 996	42*	Disk brush	202 600
8	Holding-down jack E5	205 031	43*	Adjusting bolt	251 772
14	Needle bar on the left	213 998	540*	Cap screw M5x12	020 032



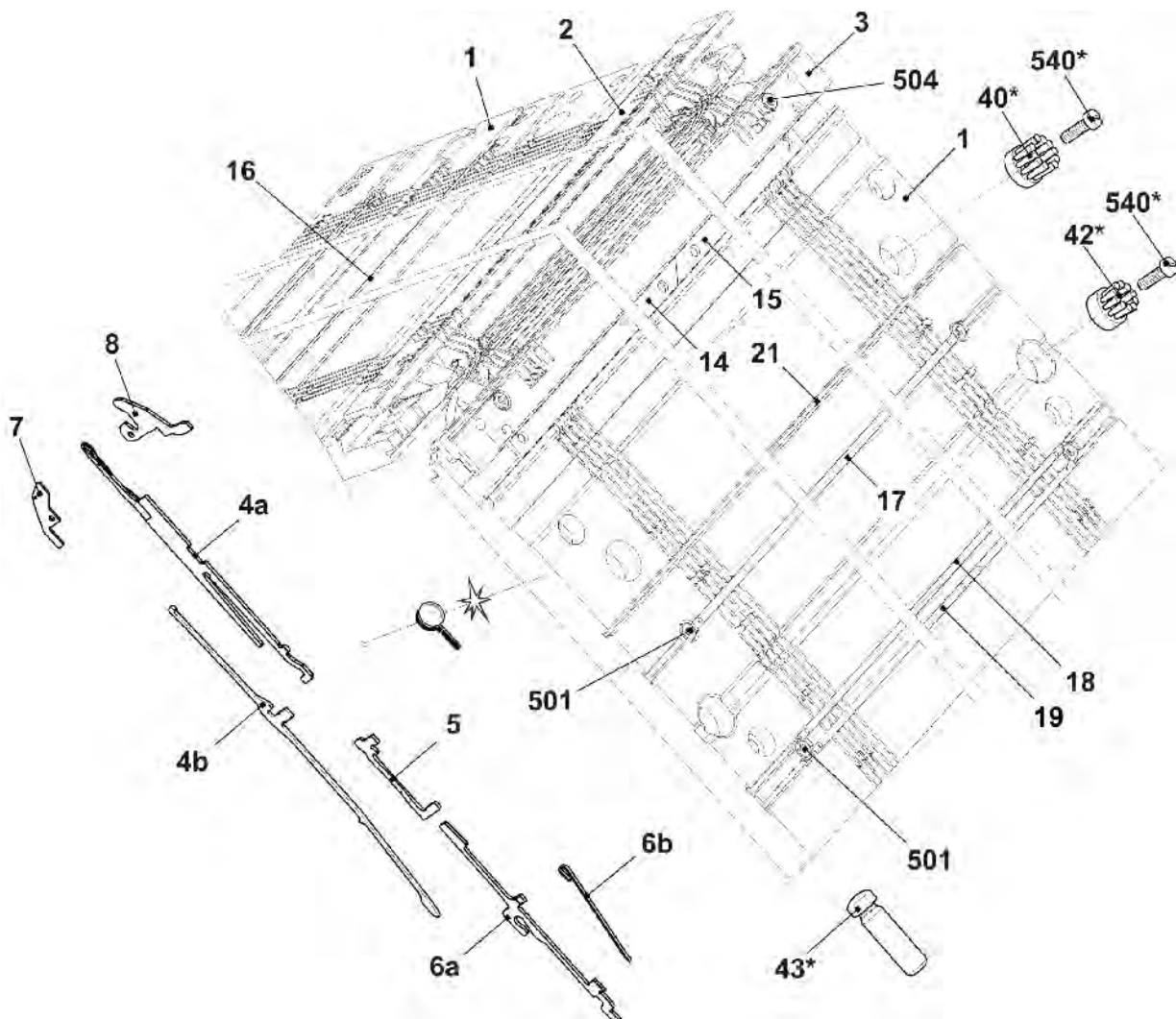
4.9.1 Continuation needle bed E2,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
12	Limiter on the left E4-8	205 343	503	Cap screw M5x8	023 154
13	Limiter on the right E4-8	205 344	507	Springy thrust piece	023 177
21	Locating wire ø2,8	213 983	511	Shim0,05x18,5x34	023 196
22	Spring steel wire ø1,0	213 988	512	Shim0,1x18,5x34	023 197
23	Spring steel wire ø 2,0	213 996	513	Shim0,2x18,5x34	023 253



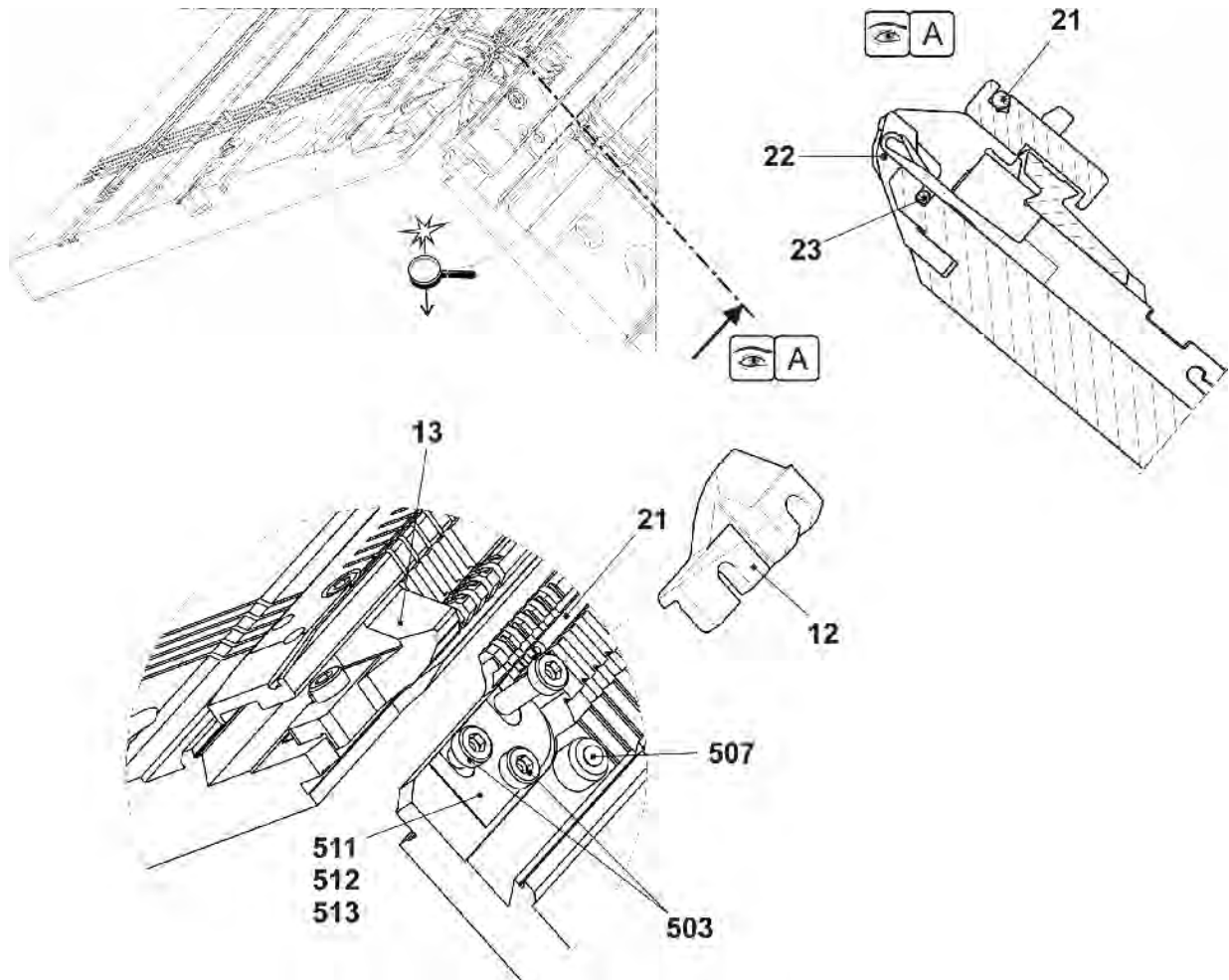
4.10 Needle bed E3,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rear E3,5.2m.4L	263 873	15	Needle bar on the right	213 999
1	Needle bed at the front + rear E7	263 706	16	Cover rail at the rear	213 981
2	Holding-down jack bed at the rear E3,5.2	240 453	17	Cover rail at the front E7	214 034
3	Holding-down jack bed at the front E3,5.2	240 436	18	Cover rail	213 762
4a	Needle E2,5.2+3,5.2m.4L	258 694	19	Cover rail	213 763
4b	Coupling part E5 - E8	253 381	21	Locating wire ø2,8	213 983
5	Intermediate slider E5 - E8	237 323	501	Cap screw M5x10	022 918
6a	Selection jack E4 - E8	200 687	504	Cap screw M5x22	023 193
6b	Selector spring E4 - E8	200 690	40*	Disk brush	235 612
7	Knock-over bit E7	207 055	42*	Disk brush	202 600
8	Holding-down jack E7	205 032	43*	Adjusting bolt	251 772
14	Needle bar on the left	213 998	540*	Cap screw M5x12	020 032



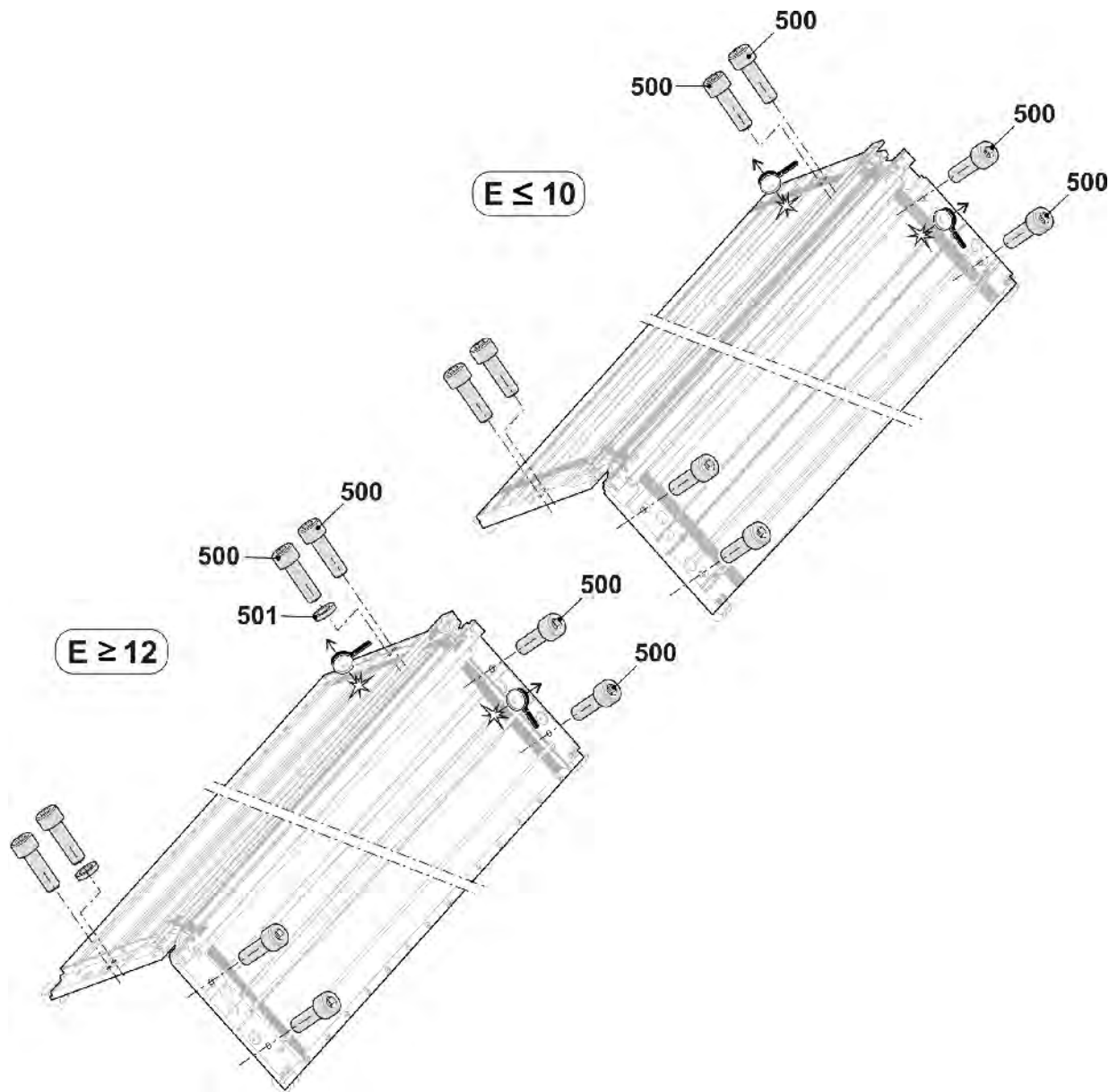
4.10.1 Continuation needle bed E3,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
12	Limiter on the left E4-8	205 343	503	Cap screw M5x8	023 154
13	Limiter on the right E4-8	205 344	507	Springy thrust piece	023 177
21	Locating wire ø2,8	213 983	511	Shim0,05x18,5x34	023 196
22	Spring steel wire ø1,0	213 988	512	Shim0,1x18,5x34	023 197
23	Spring steel wire ø 2,0	213 996	513	Shim0,2x18,5x34	023 253



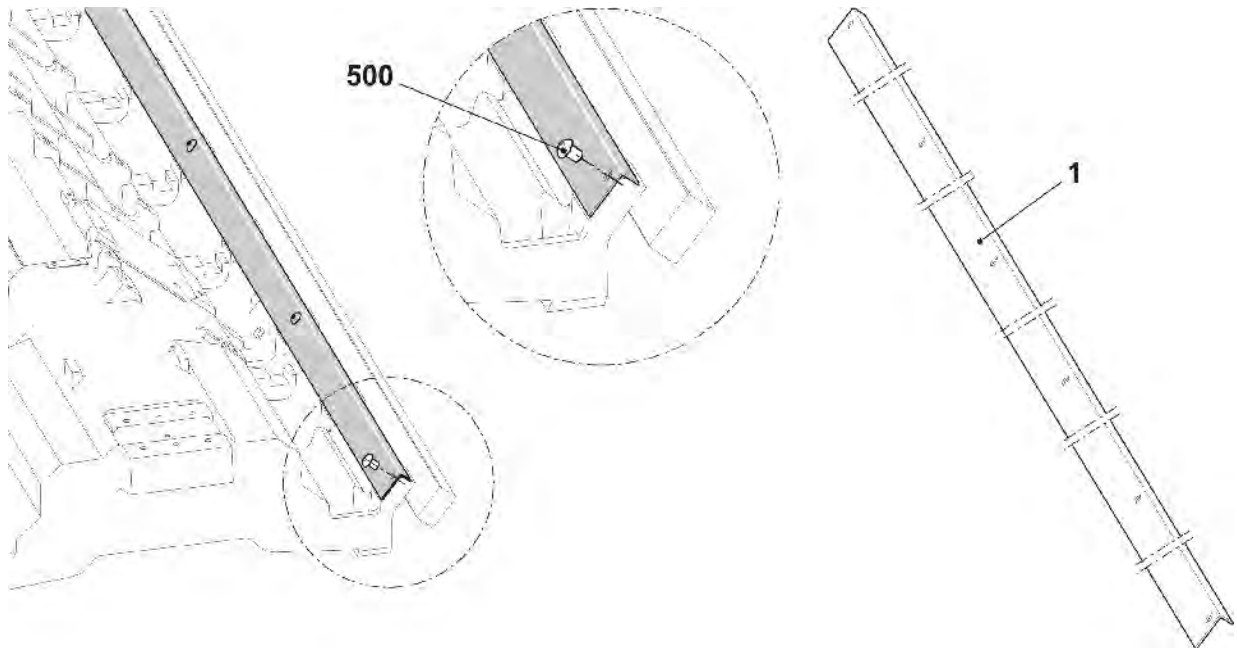
4.11 Needle beds, fixing elements

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Fixing elements				
500	Cap screw M8x25	020 142	501	Washer	214 040



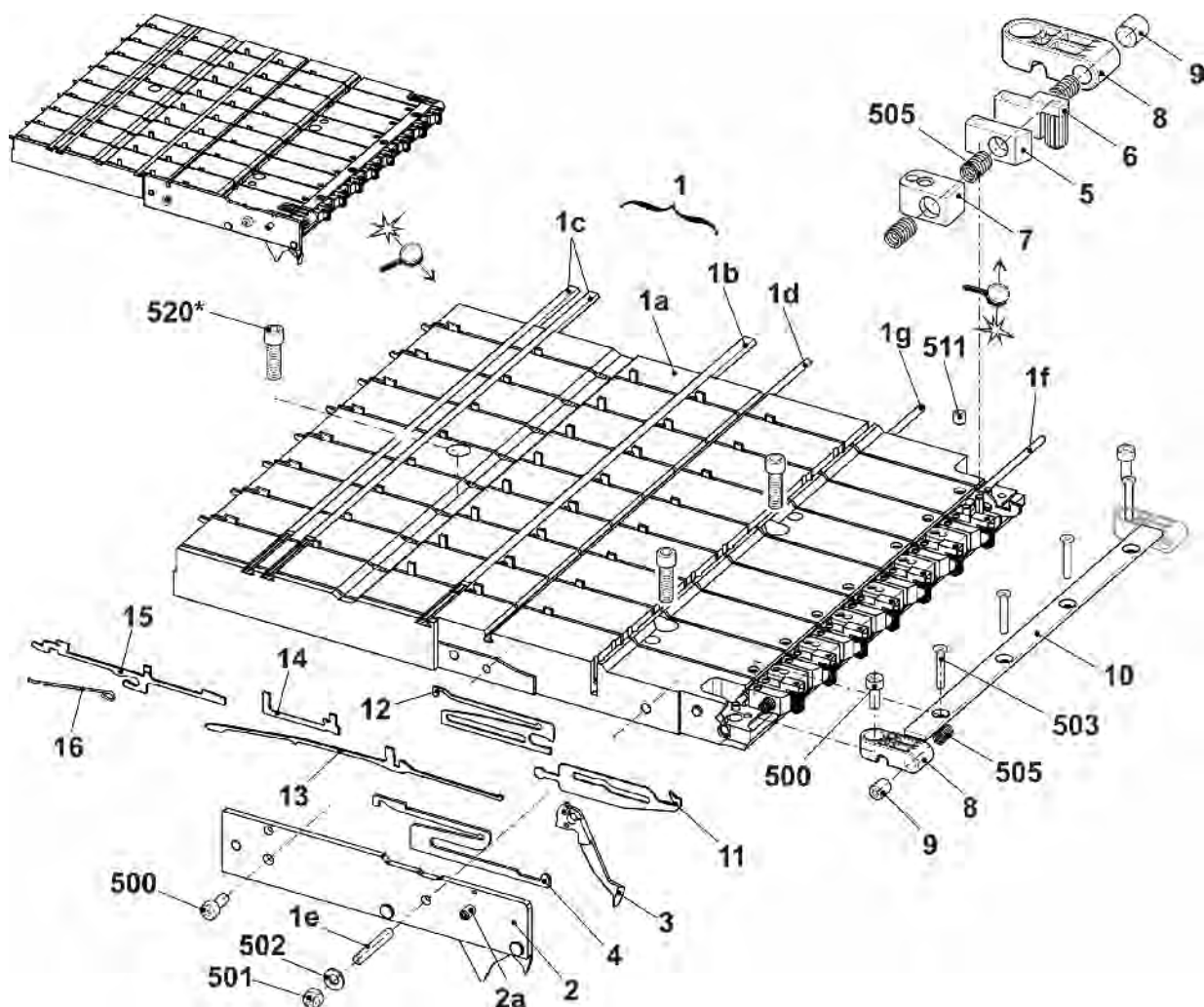
4.12 Cover

Pos	Designation	Id	Pos	Designation	Id
1	Cover	241 922	500	Pan-head screw M8x10	241 930



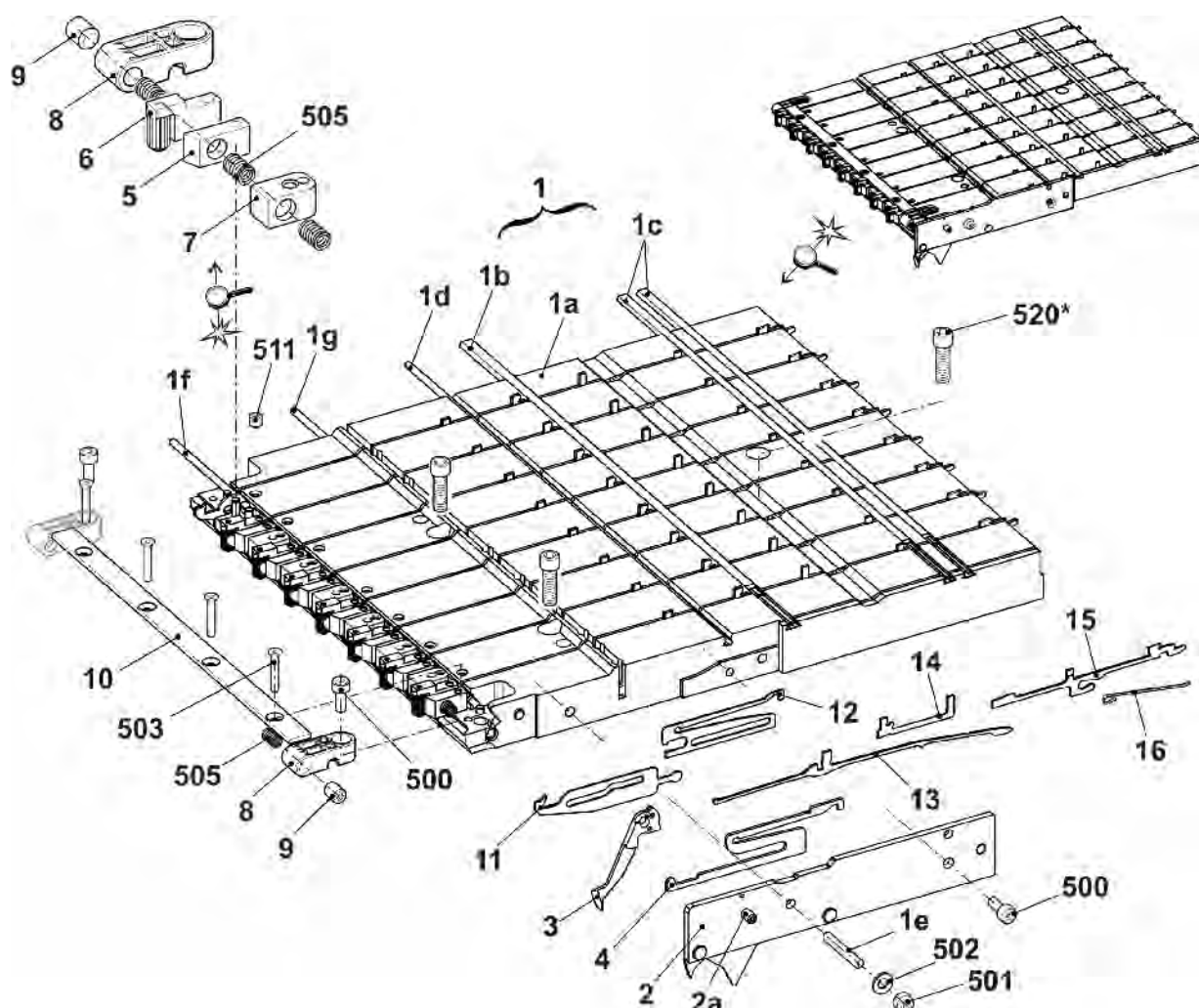
4.13 Left clamping and cutting bed E5-7 | E5m.4 | E7m.5 | 7m. 8 | E2,5.2 | E3,5.2 | E2,5.2 | E3,5.2 | E2,5.2m4L | E3,5.2m4L

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Left clamping and cutting bed E2,5.2m.4L	260 089	7	Intermediate piece	255 719
1	Guide plate EPT on the left E5-14	257 194	8	Spring holder	255 724
	1a Guide plate on the left E5-14	257 190	9	Threaded bolt	255 723
	1b Cover rail	253 173	10	Holding strip	253 176
	1c Cover rail	253 174	11	Catch needle on the left E2,5.2m.4L	260 510
	1d Locating wire	253 172	12	Intermediate part E10-14	244 591
	1e Guide pin	211 351	13	Coupling part E5-8	253 381
	1f Locating wire	253 171	14	Intermediate slider with brake E5-8	237 323
	1g Locating wire	215 927	15	Selection jack E4-8	200 687
	511 Setscrew M5x5	236 061	16	Selector spring E4-8	200 690
2	Cover on the left complete E5-14	260 967	500	Cap screw M4x10	023 136
2a	Springy thrust piece	260 235	501	Hexagon nut M4	023 046
3	Catch hook on the left E5-14	260 969	502	Washer 4	020 870
4	Slider E5-14	258 050	503	Pan-head screw M3x18	242 728
5	Blade	260 509	505	Compression spring 07x4,3x12,1	023 521
6	Clamp on the left complete	260 513	520*	Cap screw M6x20	244 824



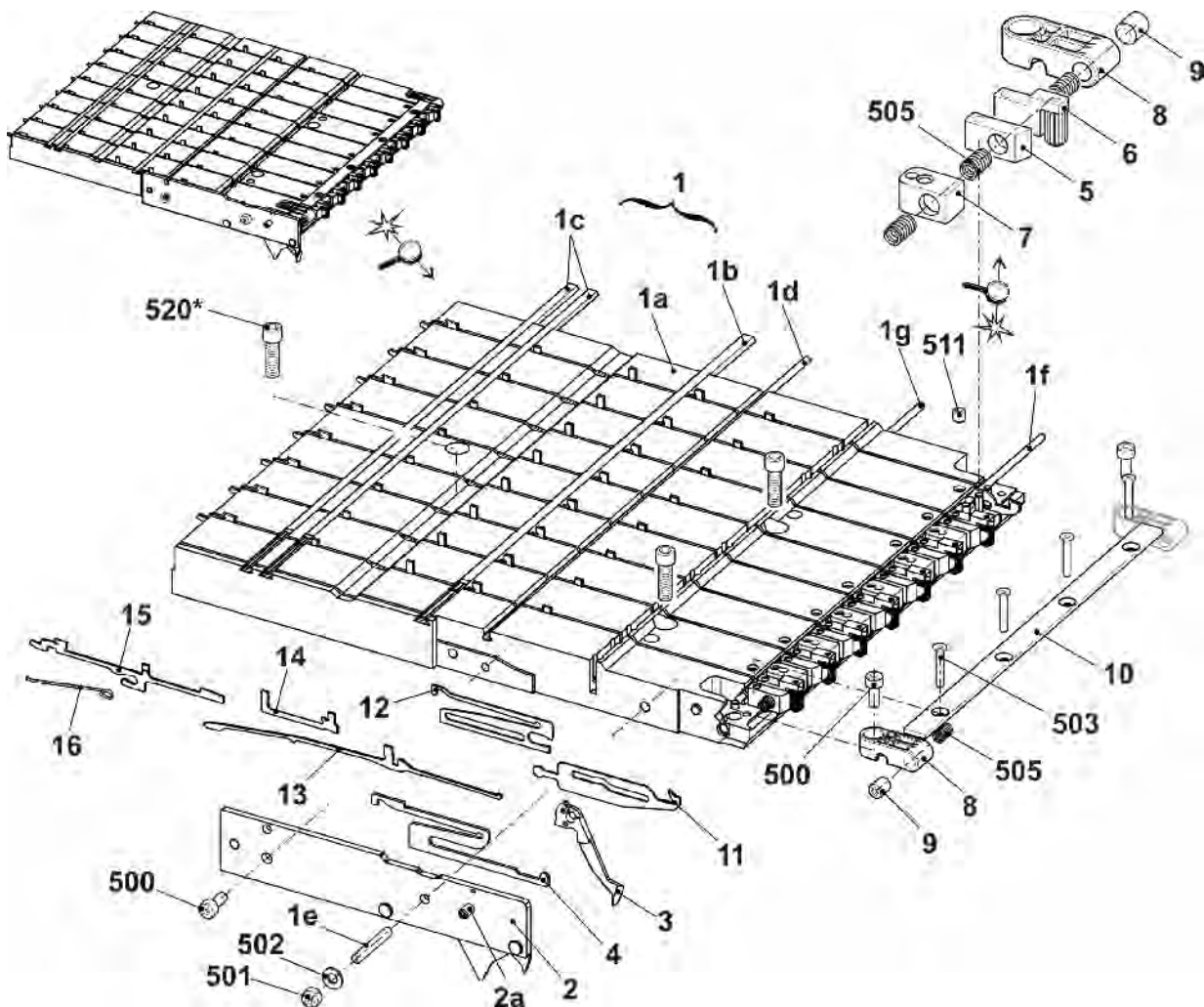
4.14 Right clamping and cutting bed E5-7 | E5m.4 | E7m.5 | 7m.8 | E2,5.2 | E3,5.2 | E2,5.2 | E3,5.2 | E2,5.2m4L | E3,5.2m4L

Pos	Designation	ID	Pos	Designation	ID
Σ	Clamping and cutting bed on the right E2,5.2m.4L	260 088	7	Intermediate piece	255 719
1	Guide plate EPT on the right E5-14	257 193	8	Spring holder	255 724
1a	Guide plate on the right E5-14	257 189	9	Threaded bolt	255 723
1b	Cover rail	253 173	10	Holding strip	253 176
1c	Cover rail	253 174	11	Catch needle on the right E2,5.2m.4L	260 512
1d	Locating wire	253 172	12	Intermediate part E10-14	244 591
1e	Guide pin	211 351	13	Coupling part E5-8	253 381
1f	Locating wire	253 171	14	Intermediate slider with brake E5-8	237 323
1g	Locating wire	215 927	15	Selection jack E4-8	200 687
511	Setscrew M5x5	236 061	16	Selector spring E4-8	200 690
2	Cover on the right complete E5-14	260 966	500	Cap screw M4x10	023 136
2a	Springy thrust piece	260 235	501	Hexagon nut M4	023 046
3	Catch hook on the right E5-14	260 968	502	Washer 4	020 870
4	Slider E5-14	258 050	503	Pan-head screw M3x18	242 728
5	Blade	260 509	505	Compression spring 07x4,3x12,1	023 521
6	Clamp on the right complete	260 514	520*	Cap screw M6x20	244 824



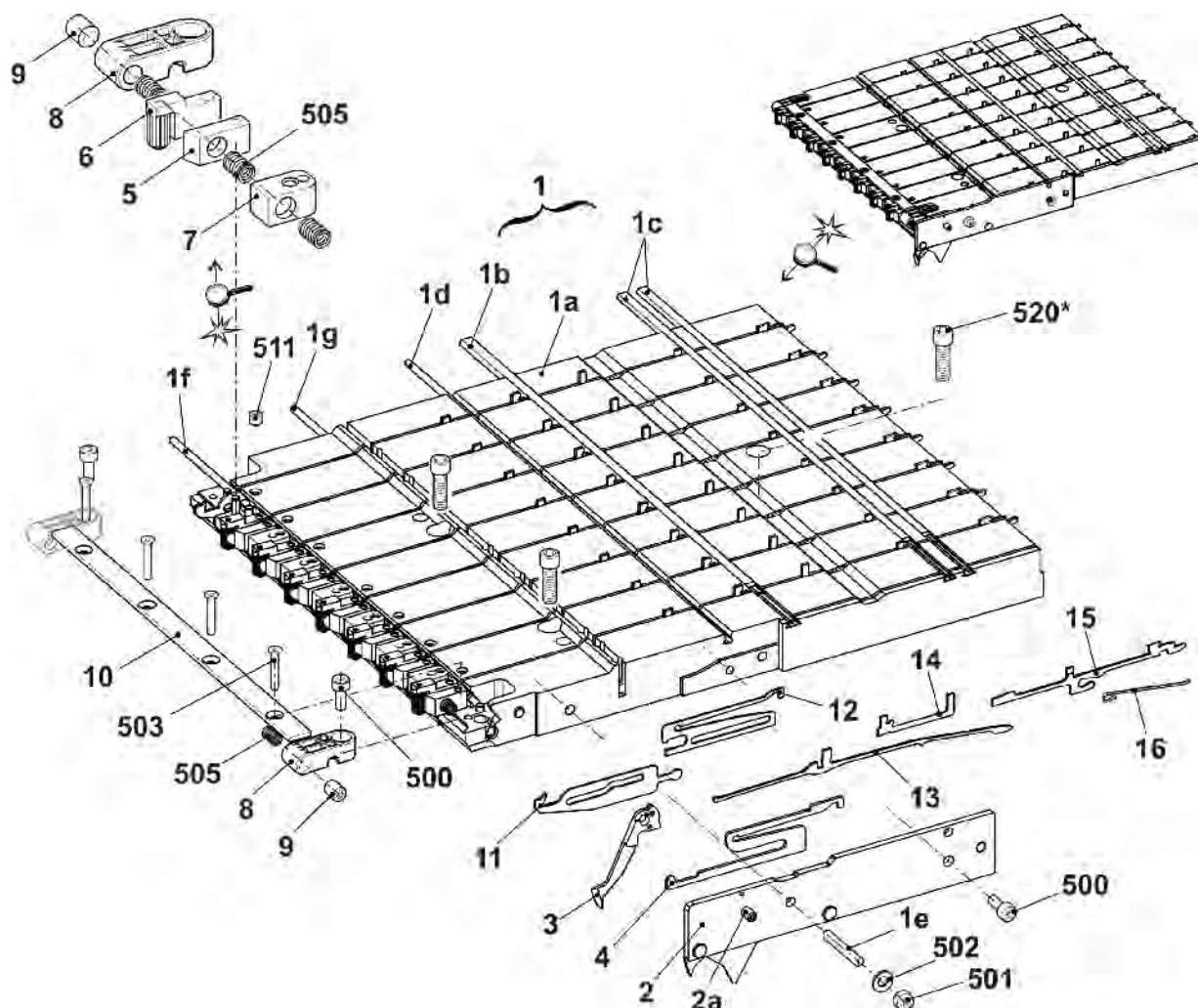
4.15 Left clamping and cutting bed E8 | E8m.7 | E5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Left clamping and cutting bed E5-14	257 198	7	Intermediate piece	255 719
1	Guide plate EPT on the left E5-14	257 194	8	Spring holder	255 724
1a	Guide plate on the left E5-14	257 190	9	Threaded bolt	255 723
1b	Cover rail	253 173	10	Holding strip	253 176
1c	Cover rail	253 174	11	Catch needle on the left E5-14	255 813
1d	Locating wire	253 172	12	Intermediate part E10-14	244 591
1e	Guide pin	211 351	13	Coupling part E5-8	253 381
1f	Locating wire	253 171	14	Intermediate slider with brake E5-8	237 323
1g	Locating wire	215 927	15	Selection jack E4-8	200 687
511	Setscrew M5x5	236 061	16	Selector spring E4-8	200 690
2	Cover on the left complete E5-14	260 967	500	Cap screw M4x10	023 136
2a	Springy thrust piece	260 235	501	Hexagon nut M4	023 046
3	Catch hook on the left E5-14	260 969	502	Washer 4	020 870
4	Slider E5-14	258 050	503	Pan-head screw M3x18	242 728
5	Blade	243 948	505	Compression spring 07x4,3x12,1	023 521
6	Clamp on the left complete	244 633	520*	Cap screw M6x20	244 824



4.16 Right clamping and cutting bed E8 | E8m.7 | E5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Clamping and cutting bed on the right E5-14	257 197	7	Intermediate piece	255 719
1	Guide plate EPT on the right E5-14	257 193	8	Spring holder	255 424
1a	Guide plate on the right E5-14	257 189	9	Threaded bolt	255 723
1b	Cover rail	253 173	10	Holding strip	253 176
1c	Cover rail	253 174	11	Catch needle on the right E5-14	255 692
1d	Locating wire	253 172	12	Intermediate part E10-14	244 591
1e	Guide pin	211 351	13	Coupling part E5-8	253 381
1f	Locating wire	253 171	14	Intermediate slider with brake E5-8	237 323
1g	Locating wire	215 927	15	Selection jack E4-8	200 687
511	Setscrew M5x5	236 061	16	Selector spring E4-8	200 690
2	Cover on the right complete E5-14	260 966	500	Cap screw M4x10	023 136
2a	Springy thrust piece	260 235	501	Hexagon nut M4	023 046
3	Catch hook on the right E5-14	260 968	502	Washer 4	020 870
4	Slider E5-14	258 050	503	Pan-head screw M3x18	242 728
5	Blade	243 948	505	Compression spring 07x4,3x12,1	023 521
6	Clamp on the right complete	244 602	520*	Cap screw M6x20	244 824

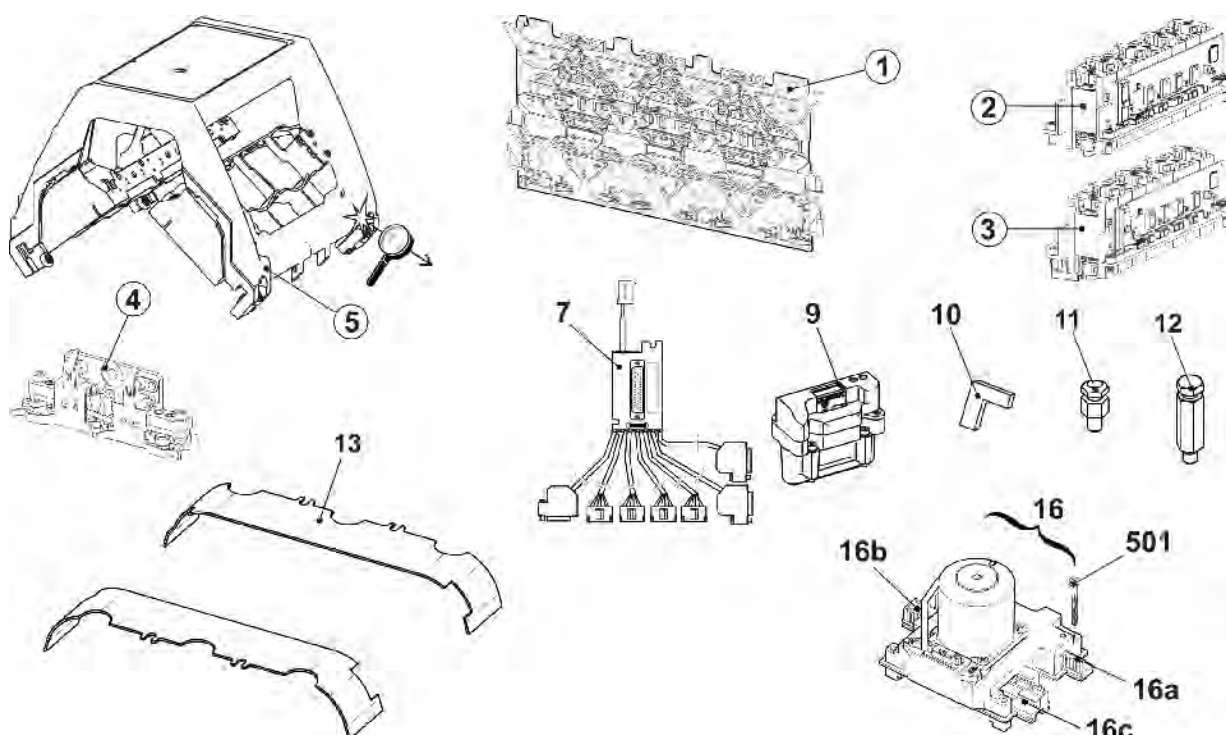


5 Carriage



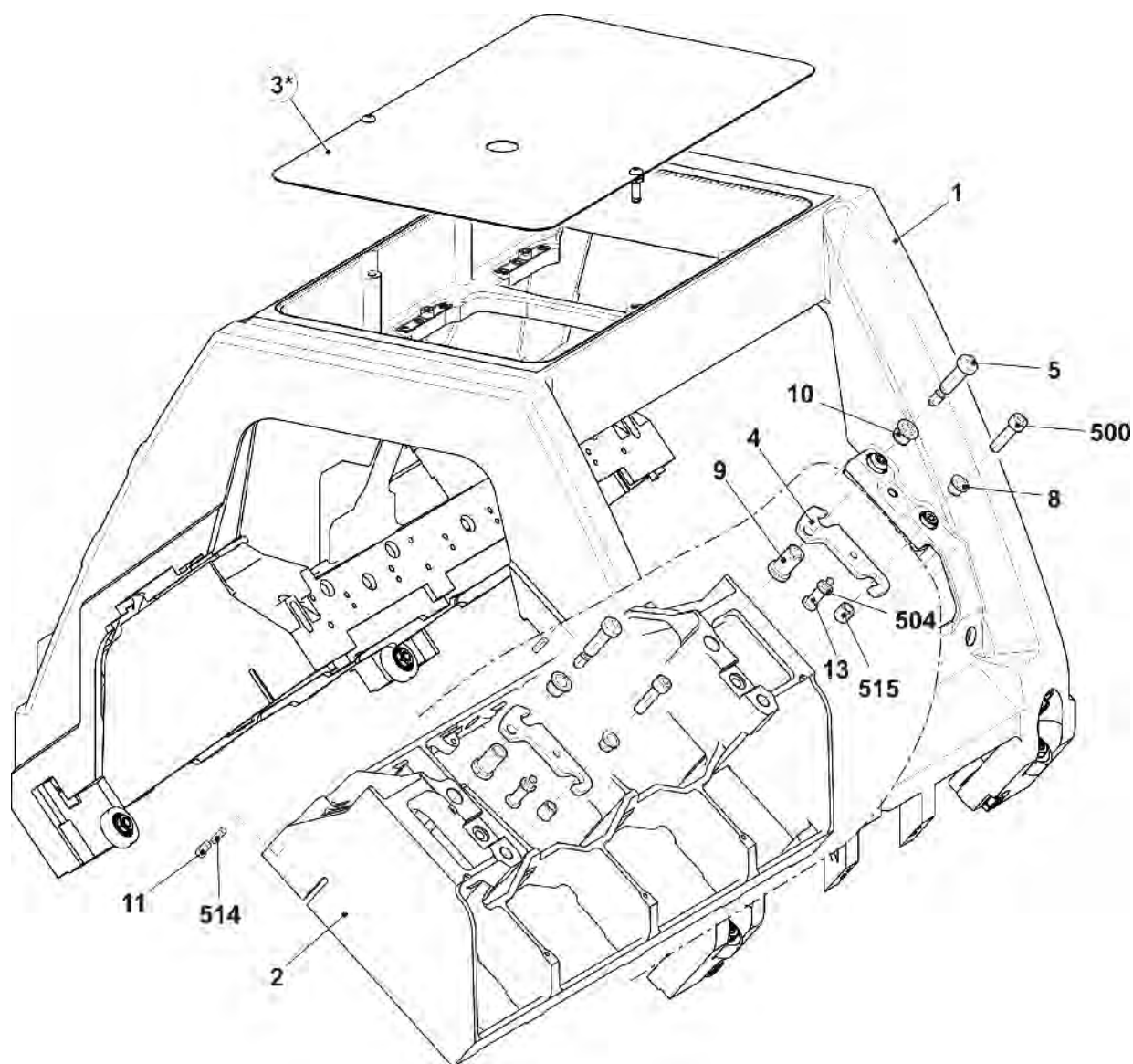
5.1 Overview of carriage

Pos	Designation	Id	Pos	Designation	Id
Σ	Carriage 3 cam boxes complete				
	E5 E5m.4 E7m.5 E2,5.2 E3,5.2	256 045	7	Distributor 530 ECO2	253 551
	E7 E8 E7m.8 E8m.7	256 054	9	Selection system completeE2-8	216 218
	E5.2	256 053		Selection system completeE10-12 (E5.2)	216 219
	E2,5.2m.4L E3,5.2m.4L	260 093	10	Wiper (felt)	241 411
1	Cam box complete		11	Bolts	212 392
	E5 E5m.4 E7m.5 E2,5.2 E3,5.2 E5.2	241 566	12	Bolts	243 171
	E7 E8 E7m.8 E8m.7	241 567	13	Cover plate at the top	265 390
	E2,5.2m.4L E3,5.2m.4L	260 071	16	Motor unit complete(AT=711017)	253 531
2	FF driving outside complete	245 297	16a	Gear rack at the top	209 781
3	FF driving in the middle complete	245 298	16b	Gear rack in the middle	209 782
4	Holding-down jack control completeE5-8	241 515	16c	Gear rack at the bottom	209 783
5	Carriage assembly 3 cam boxes 530	256 494	501	Screw M4x30	023 290



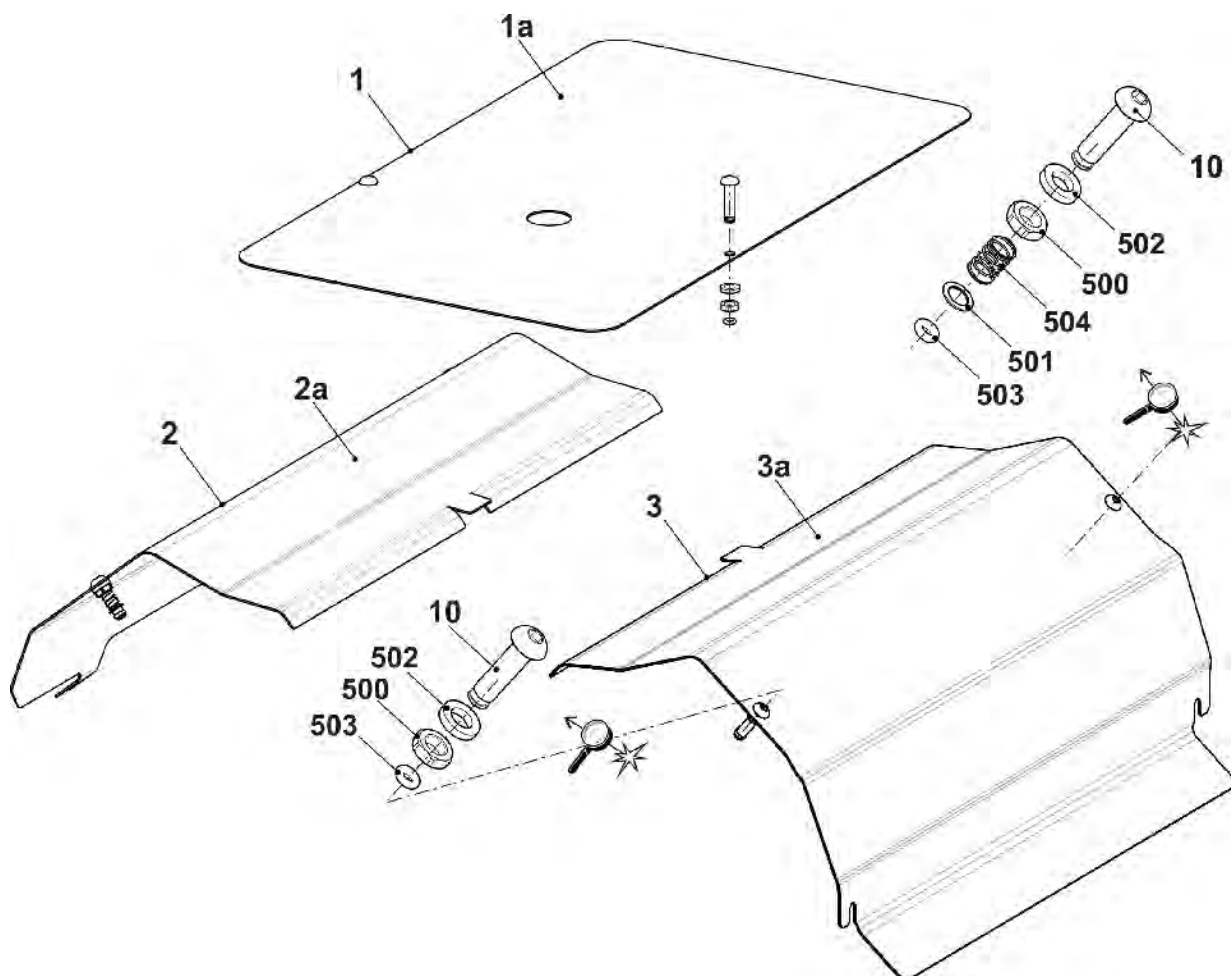
5.2 Carriage assembly

Pos	Designation	Id	Pos	Designation	Id
Σ	Carriage assembly 3 cam boxes complete	256 494			
1	Carriage frame	264 818	10	Bush	209 274
2	Carriage part, 3 cam boxes	253 005	11	Eccentric	222 983
3*	Carriage cover at the top, 3 cam boxes	257 100	13	Locating bolt linking spot	244 179
4	Shim	225 312	500	Cap screw M8x30	020 143
5	Shoulder screw	211 750	504	Circlip6	021 022
8	Bush	207 546	514	Dowel pin 5x14	020 670
9	Bush	209 275	515	Threaded bush M12x11,5	041 863



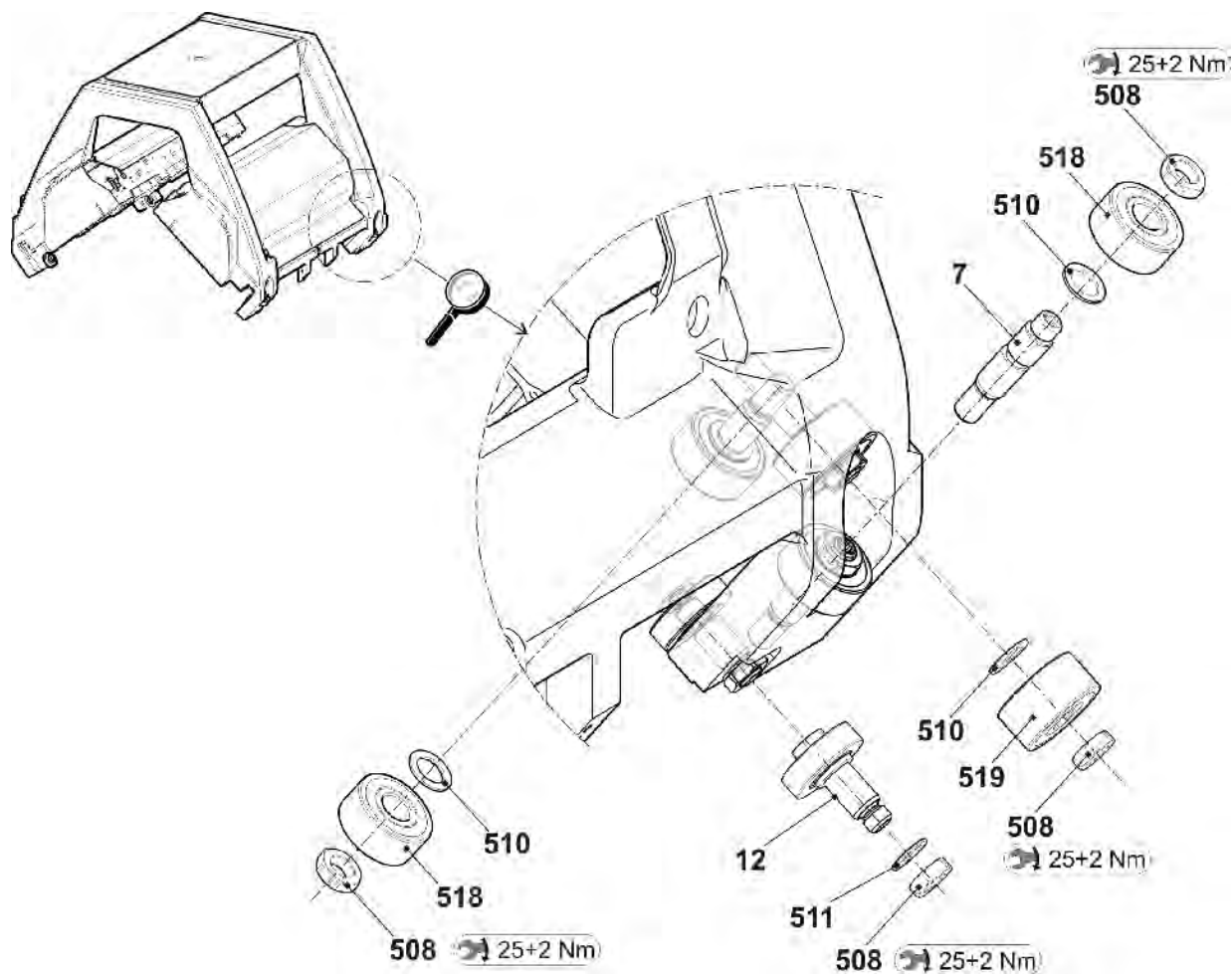
5.3 Carriage cover

Pos	Designation	Id	Pos	Designation	Id
1	Carriage cover at the top 3 cam boxes complete	257 100	10	Locating bolt	242 382
	1a Carriage cover at the top 3 cam boxes 6Z	256 510	500	Hexagon nut M6	257 088
2	Carriage cover at the rear complete 3 cam boxes	257 161	501	Washer 6.1x9x0,5	023 554
	2a Carriage cover at the rear 3 cam boxes	256 736	502	Serrated lock washer 6,4	022 385
3	Carriage cover at the front 3 cam boxes complete	257 160	503	O-ring 3x2	242 420
	3a Carriage cover front 3 cam boxes	256 735	504	Compression spring 0,48x7,02x17,29	023 654



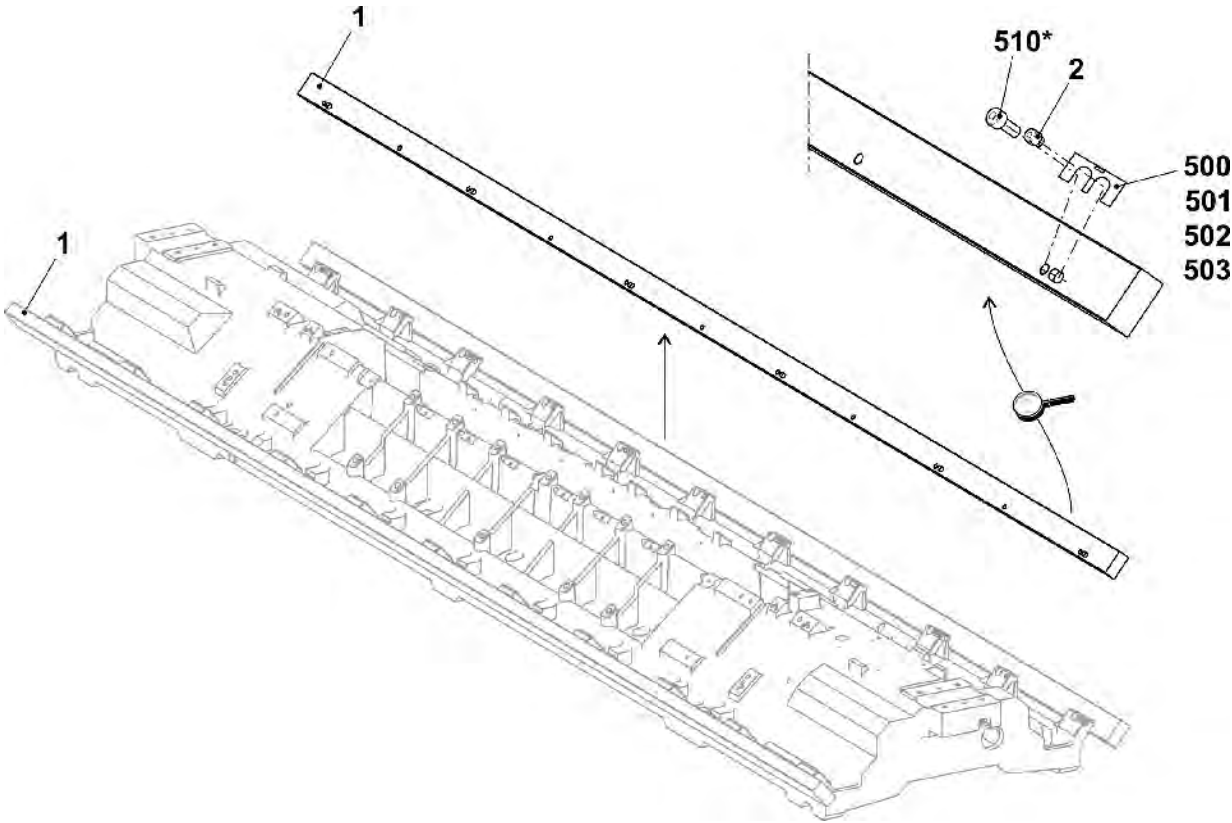
5.4 Carriage guide

Pos	Designation	Id	Pos	Designation	Id
7	Bearing bolt eccentric 0,5	240 624	511	Shim ring 10x16x1	023 260
12	Bolt pre-assembled	244 283	518	Grooved ball bearing 62201-2RS	241 408
508	NutM10	023 316	519	Grooved ball bearing 62300-2RS1	242 070
510	Shim ring 12x18x1	023 315			



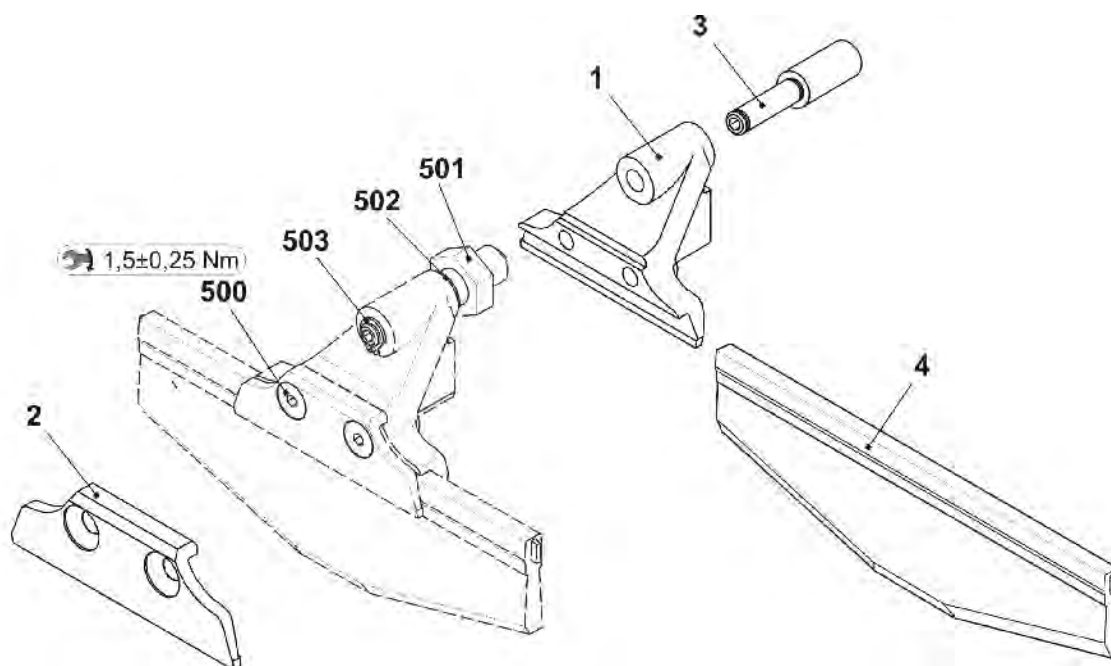
5.5 Spare parts package carriage guide bar

Pos	Designation	ID	Pos	Designation	ID
Σ	Spare parts package carriage guide bar 5XX	243 423	501	Shim0,05x22x42	243 291
1	Carriage guide rail	239 926	502	Shim0,10x22x42	243 292
2	Adjusting eccentric	241 219	503	Shim0,20x22x42	243 293
500	Shim0,03x22x42	243 289	510*	Cap screw M8x20	020 141



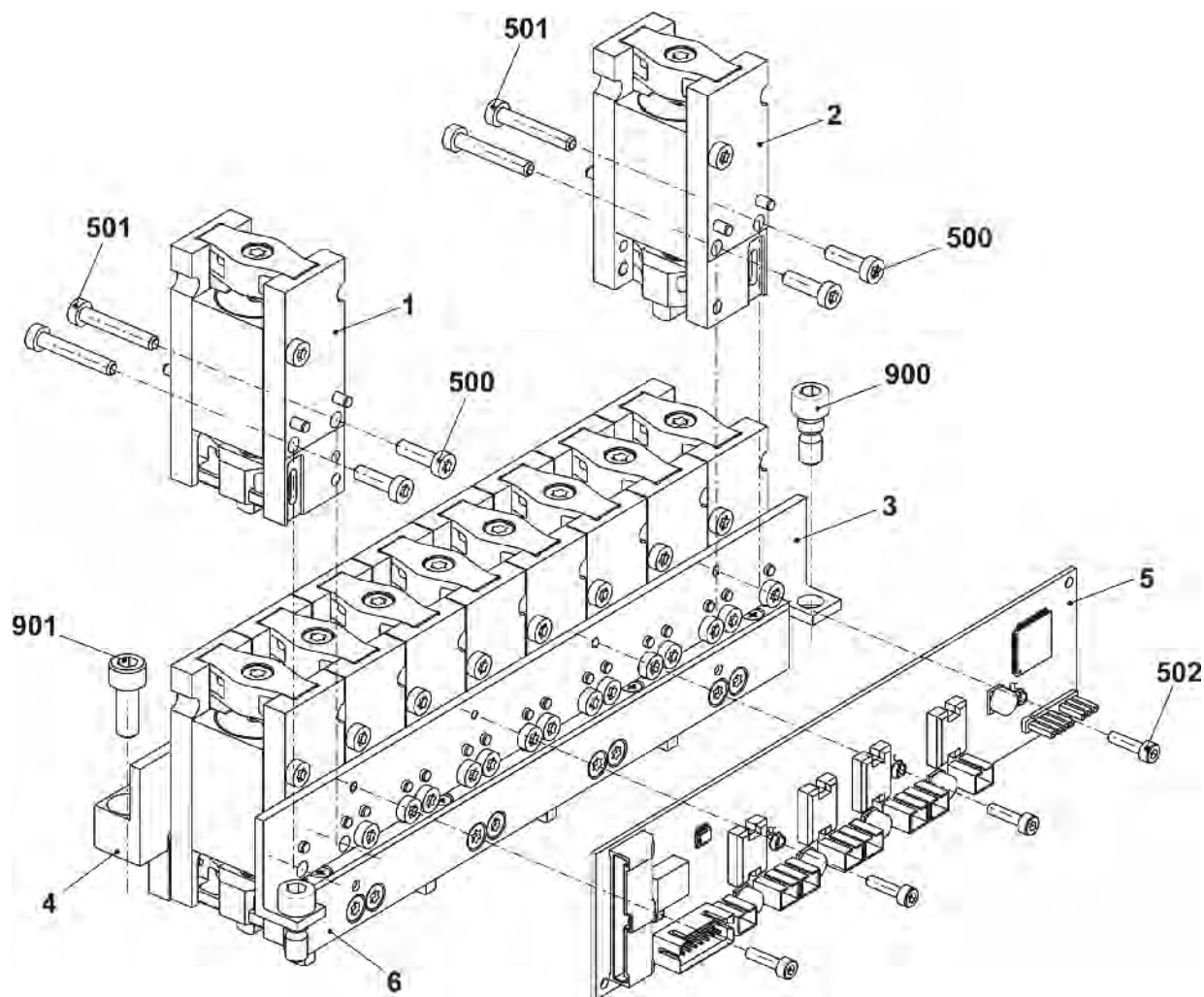
5.6 Brush holder

Pos	Designation	Id	Pos	Designation	Id
Σ	Brush holder completeE5-8	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	Shim ring 5x10x0,5	023 348
4	Brush	203 254	503	Retaining ring5x0,6	023 347



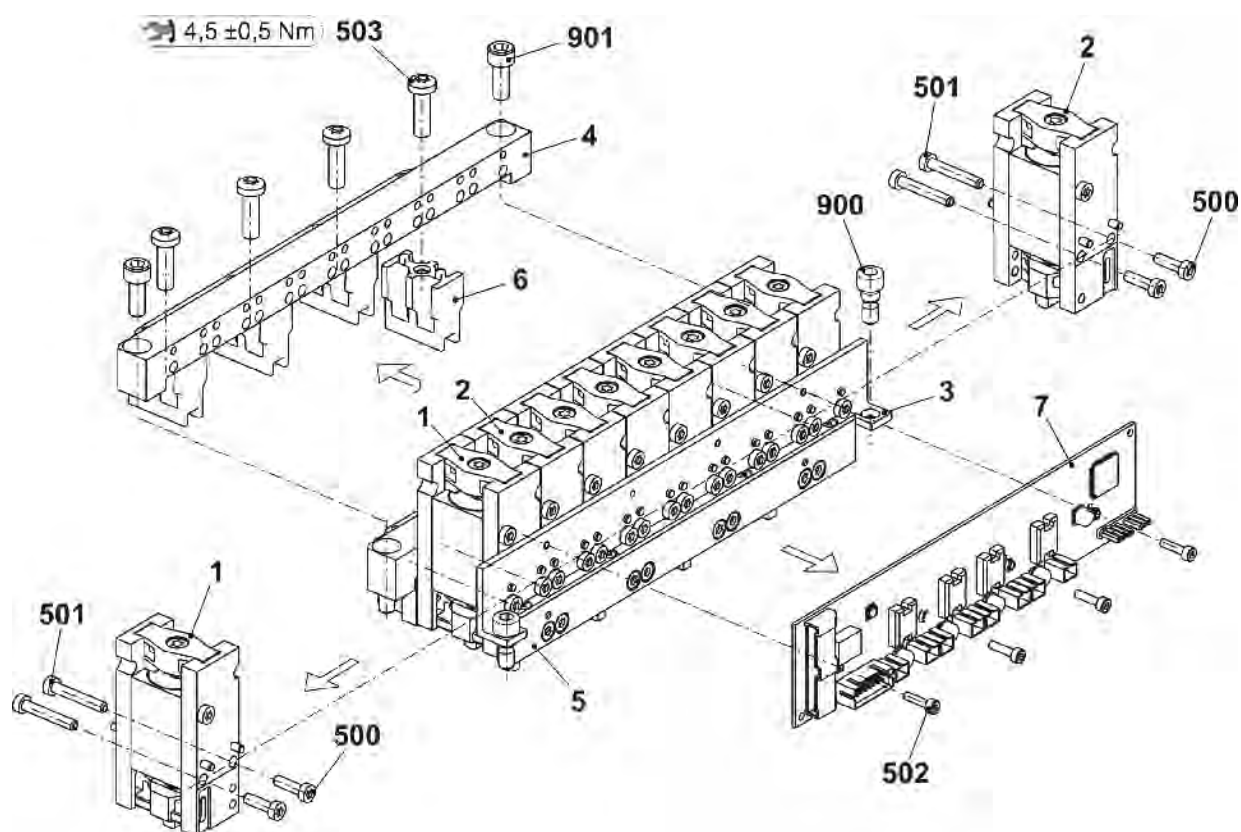
5.7 Yarn carrier driving without guide part

Pos	Designation	Id. no.	Pos	Designation	Id. no.
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	Holding angle for jack	245 313	502	Cap screw M3x12-12.9	022 648
4	Holding block outside	245 294	900	Shoulder screw	231 899
5	Card yarn carrier final stagesOKC	300 960	901	Cap screw M6x16	020 135



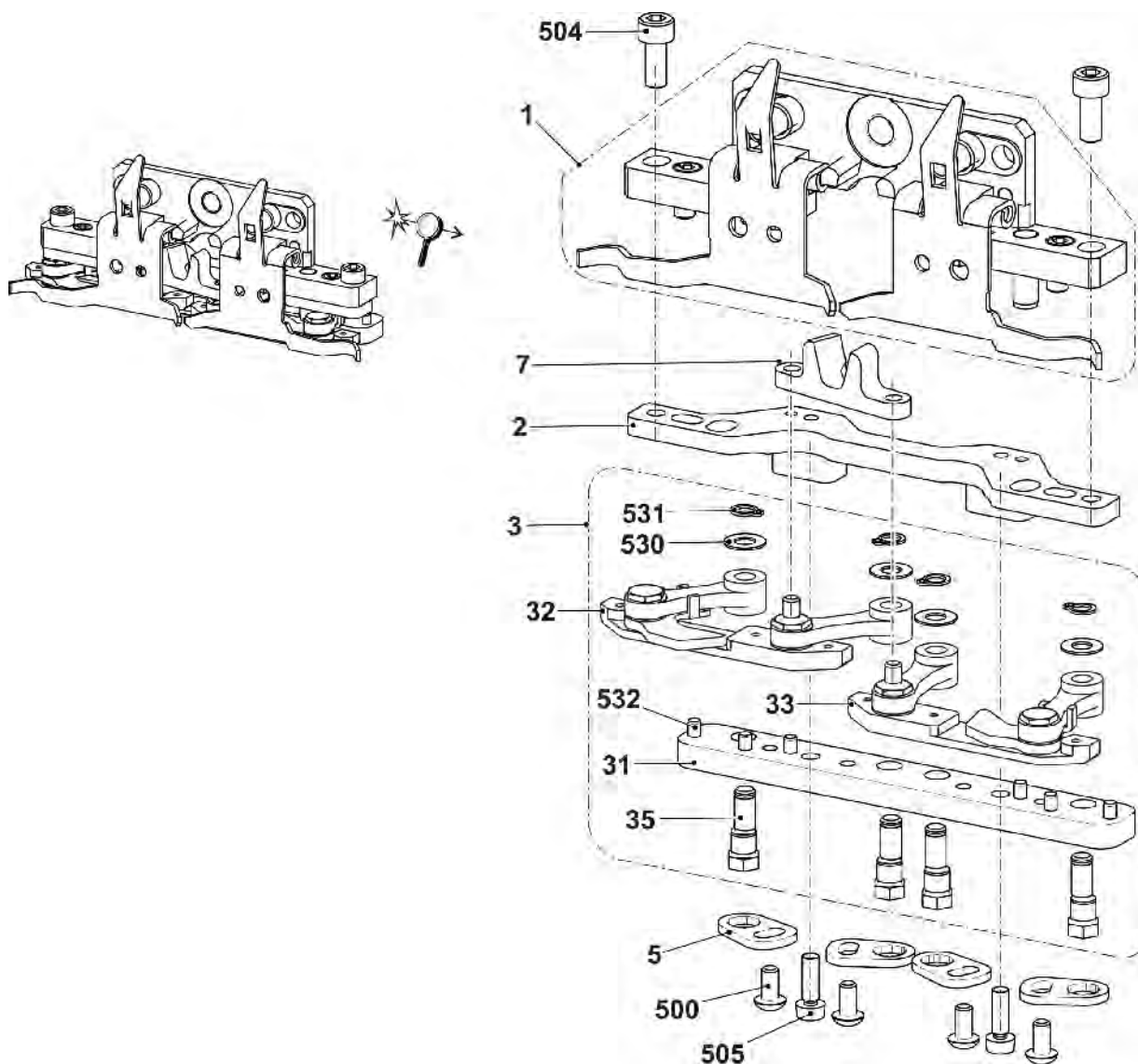
5.8 Yarn carrier driving with guide part

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	YC driving in the middle complete	245 298	7	Card yarn carrier final stagesOKC	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	Holding angle for jack	245 313	502	Cap screw M3x12-12.9	022 648
4	Holding block in the middle	245 308	503	Screw KB60x20	243 625
5	Switch mechanism	251 137	900	Shoulder screw	231 899
6	Guide part	239 972	901	Cap screw M6x16	020 135



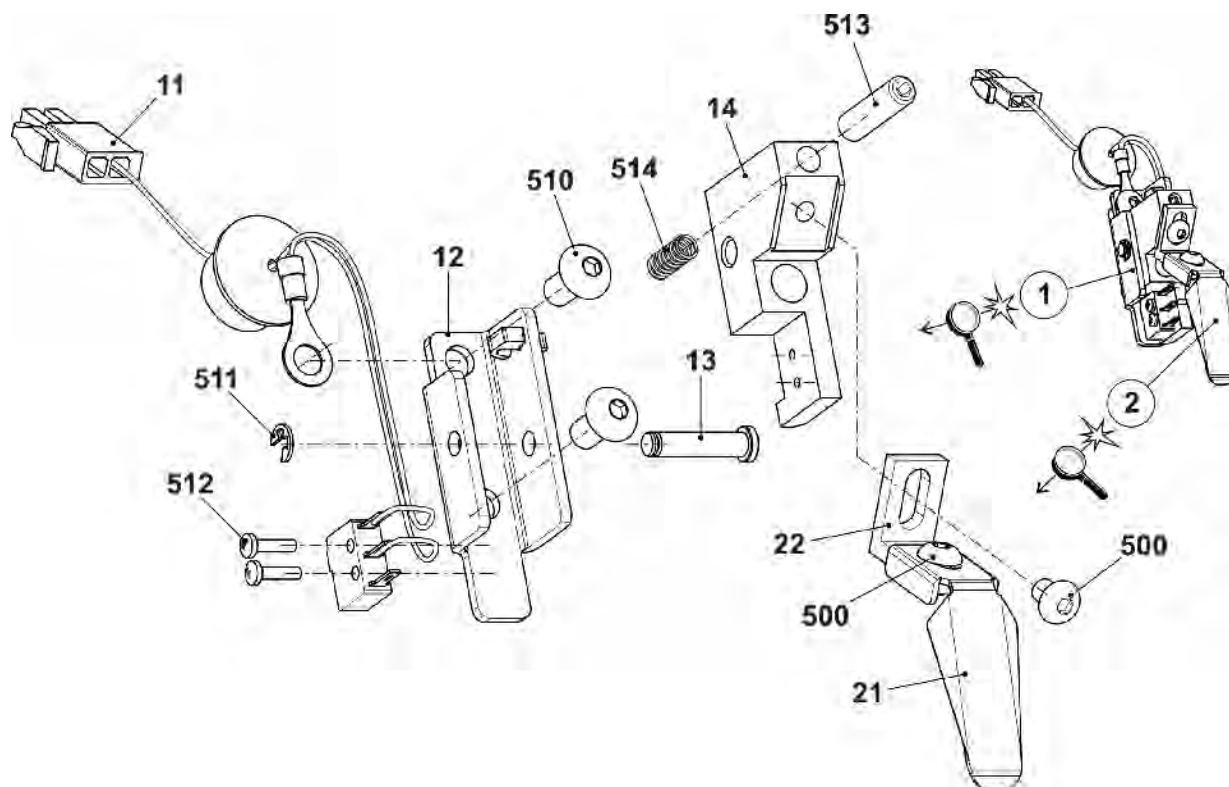
5.9 Holding-down jack control

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



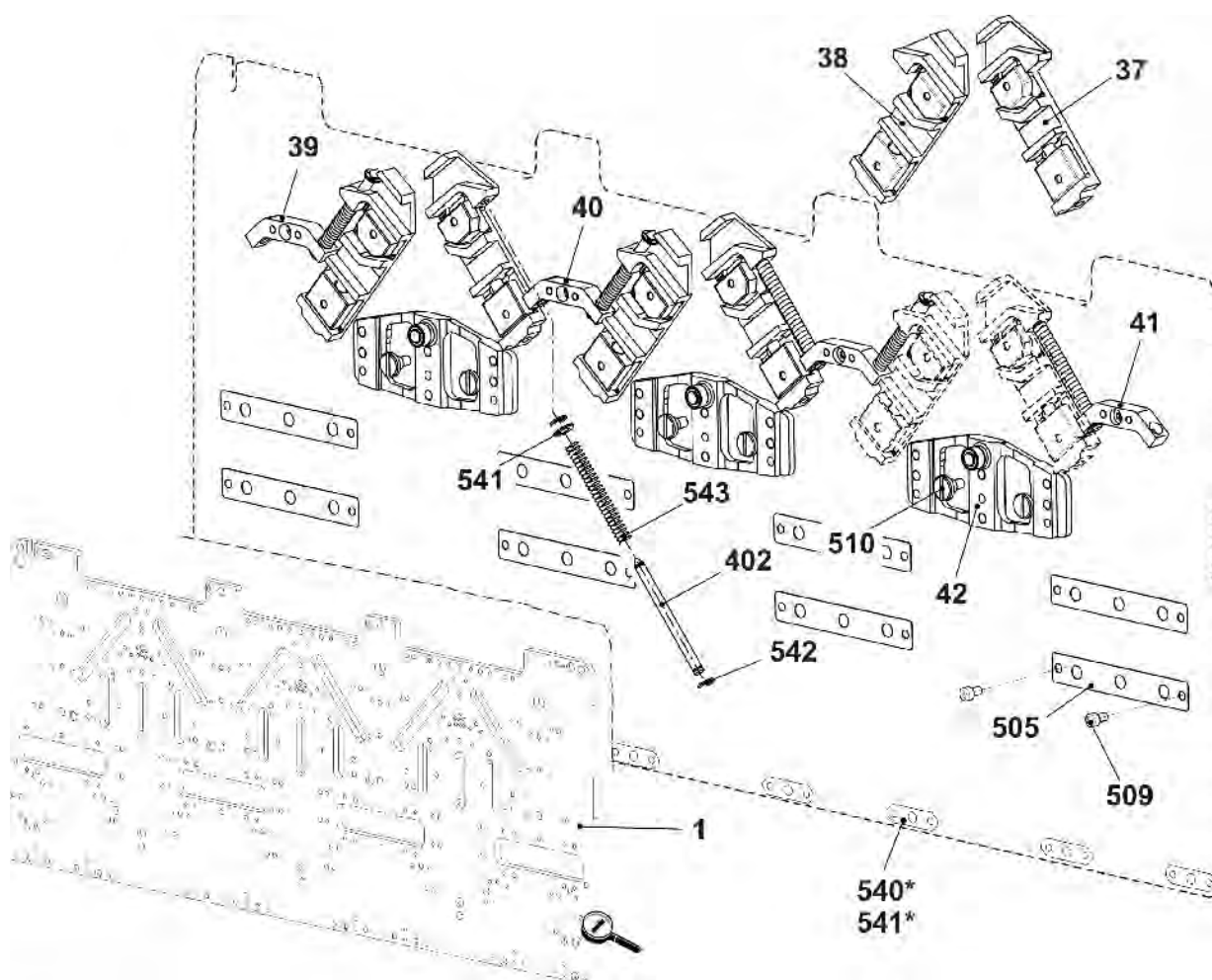
5.10 Needle detector

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle detector	221 238		512 Pan-head 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 Pan-head screw M5x10	023 247		500 Pan-head screw M4x6	023 427
	511 Circlip	021 018	500	Pan-head screw M4x8	023 579



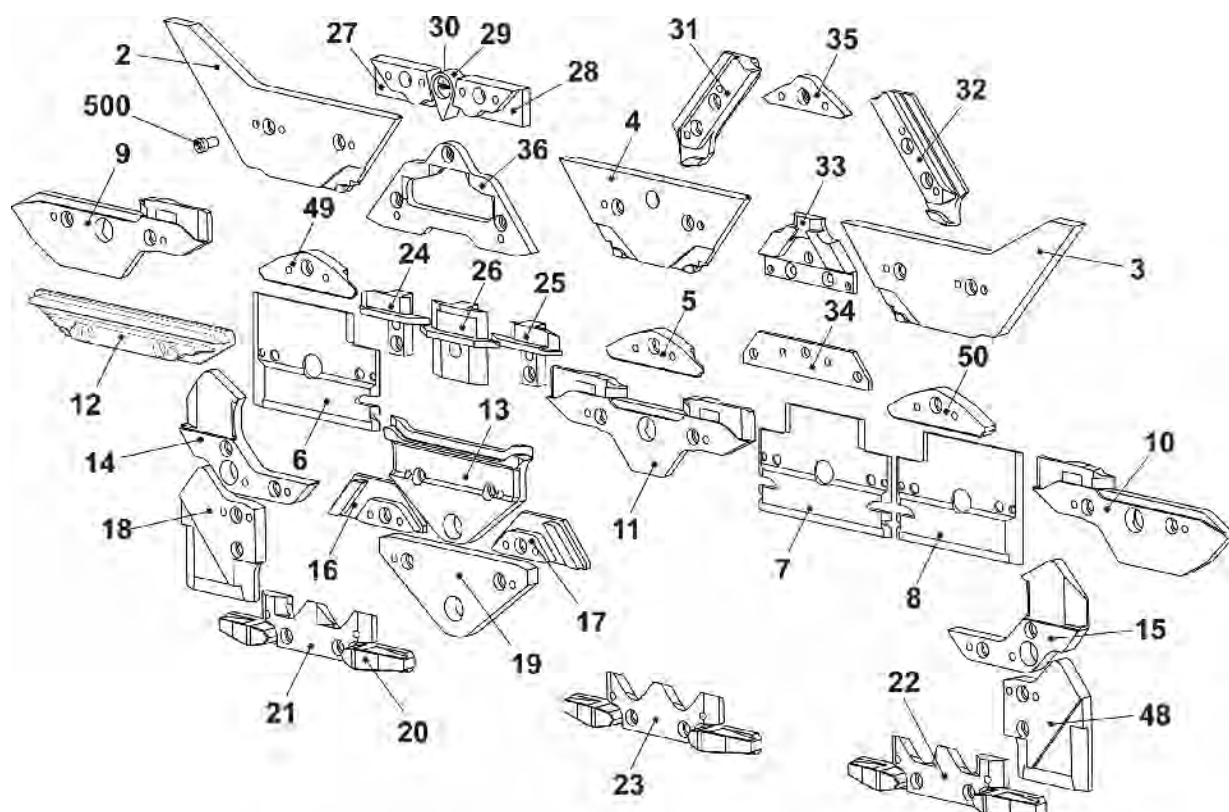
5.11 Cam box E5 | E2,5.2 | E3,5.2 | E5.2 | E5m.4 | E7m.5

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E5	241 566			
1	Cam plate	240 371	41	542 Circlip 3,2	021 019
37	Loop sinking cam on the right completeE5 – E10	211 163		543 Compression spring	250 515
38	Loop sinking cam on the left completeE5 - E10	211 164	42	Switching piece	240 281
39	Rod guide element on the left	211 165	505	Shim0,5x12x75	236 654
40	Rod guide element in the middle	211 166	540*	Shim0,3x8x28	023 452
41	Rod guide element on the right	211 168	541*	Shim0,5x8x28	023 020
	402 Spring rod	209 791	509	Pan head screw M3x4	023 142
	541 Disk4,1x6x0,5	022 893	510	Shoulder screw	239 626



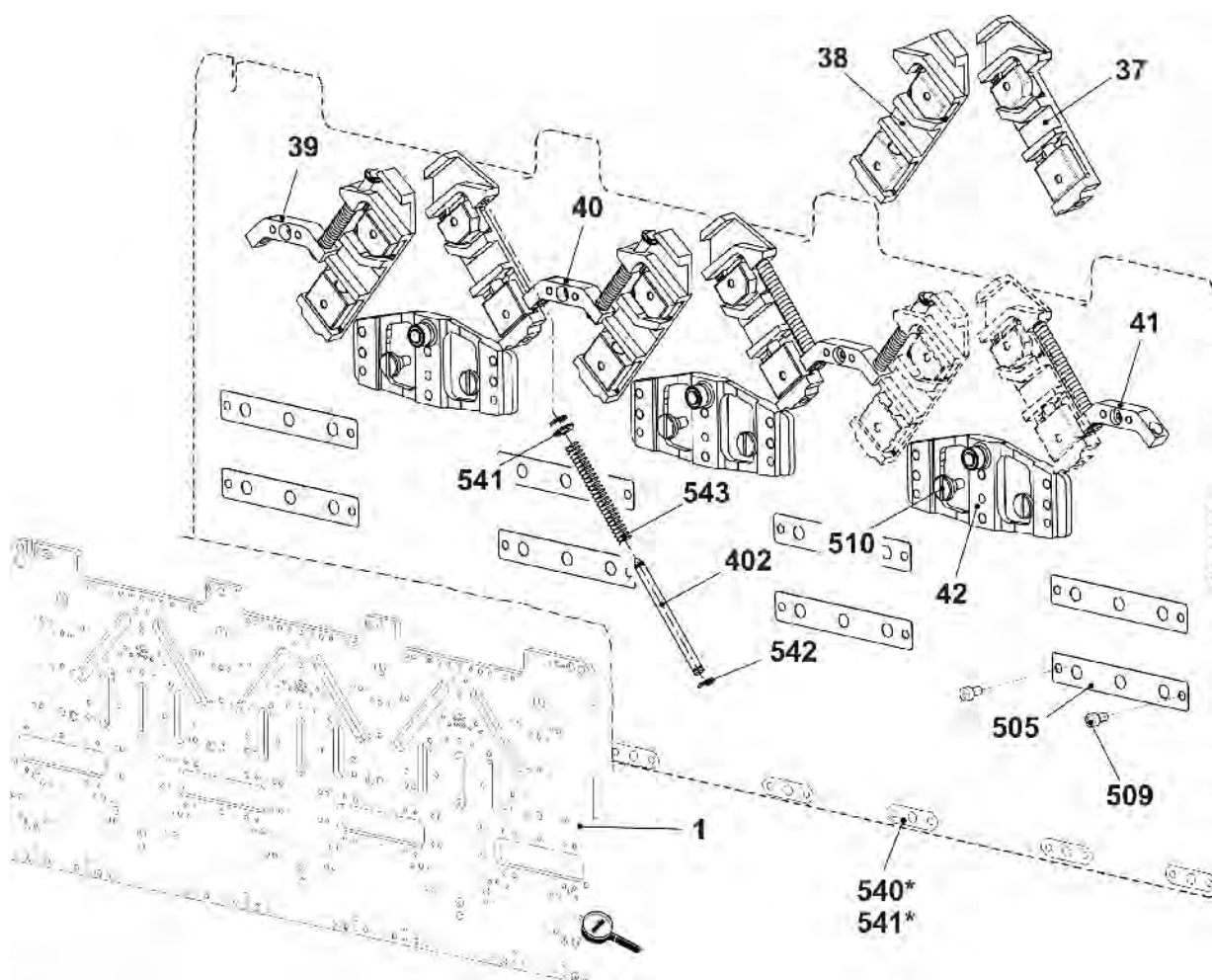
5.11.1 Cams E5 | E2,5.2 | E3,5.2 | E5.2 | E5m.4 | E7m.5

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 receiving on the left	239 848
5	Entry cam in the middle bottom E2,5.2 E3,5.2	235 719	25	Pressure part receiving on the right	239 849
6	Plate on the left	260 605	26	Tuck pressure part	239 621
7	Plate in the middle	260 604	27	Limiting cam on the left E5	210 289
8	Plate on the right	260 606	28	Limiting 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	260 592	32	Stitch cam on the right E2,5.2 E3,5.2	235 713
13	Cam part	210 254	33	Tuck limiting cam E5	214 051
14	Cam on the left E5-14	212 265	34	Raising cam plate E4-12	204 372
15	Cam at 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	259 766	48	Cam at the right E5-14	259 767
19	Cam part	210 252	49	Entry cam at the bottom on the left E5-8	235 718
20	Offering cam	210 185	50	Entry cam at the bottom on the right E5-8	235 720
21	Selection cam on the left	212 944	500	Cap screw M4x8	020 091



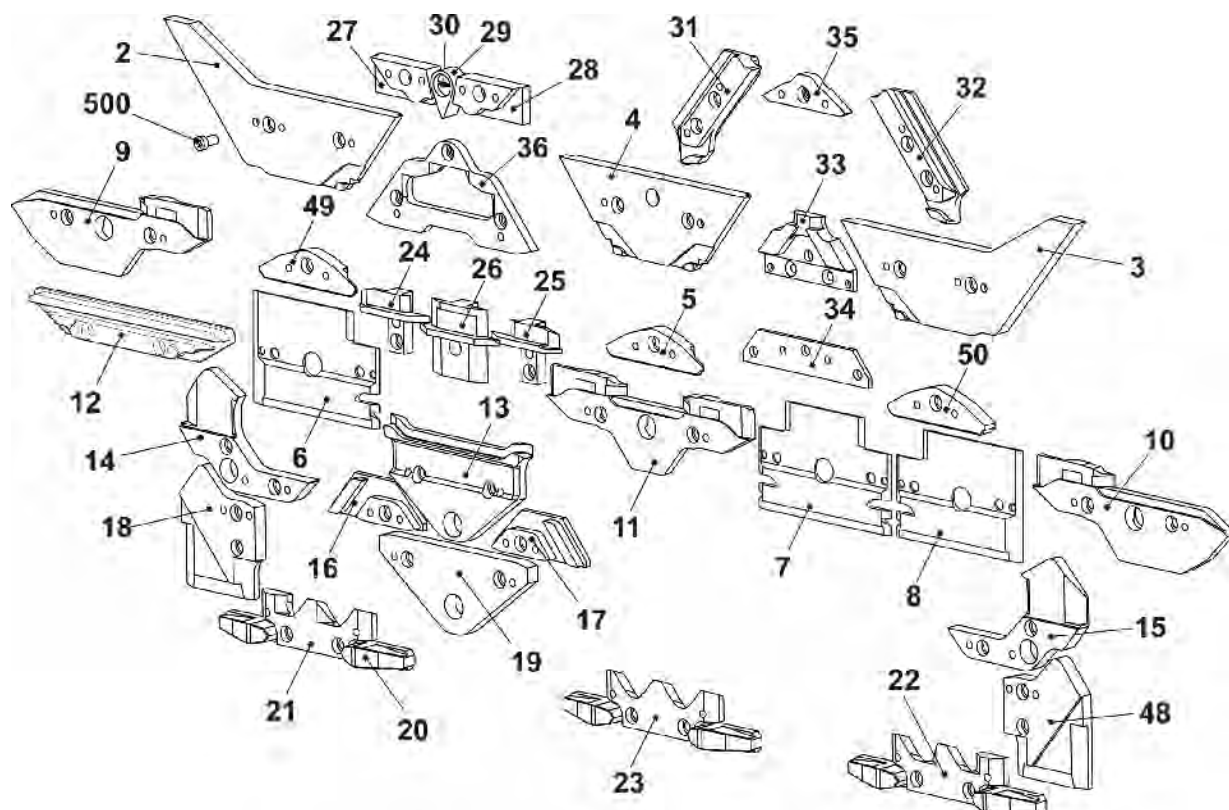
5.12 Cam box E7 | E8

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E7-8	241 567			
1	Cam plate	240 371	41	542 Circlip 3,2	021 019
37	Loop sinking cam on the right completeE5 – E10	211 163		543 Compression spring	250 515
38	Loop sinking cam on the left completeE5 - E10	211 164	42	Switching piece	240 281
39	Rod guide element on the left	211 165	505	Shim0,5x12x75	236 654
40	Rod guide element in the middle	211 166	540*	Shim0,3x8x28	023 452
41	Rod guide element on the right	211 168	541*	Shim0,5x8x28	023 020
	402 Spring rod	209 791	509	Pan-head screw M3x4	023 142
	541 Disk4,1x6x0,5	022 893	510	Shoulder screw	239 626



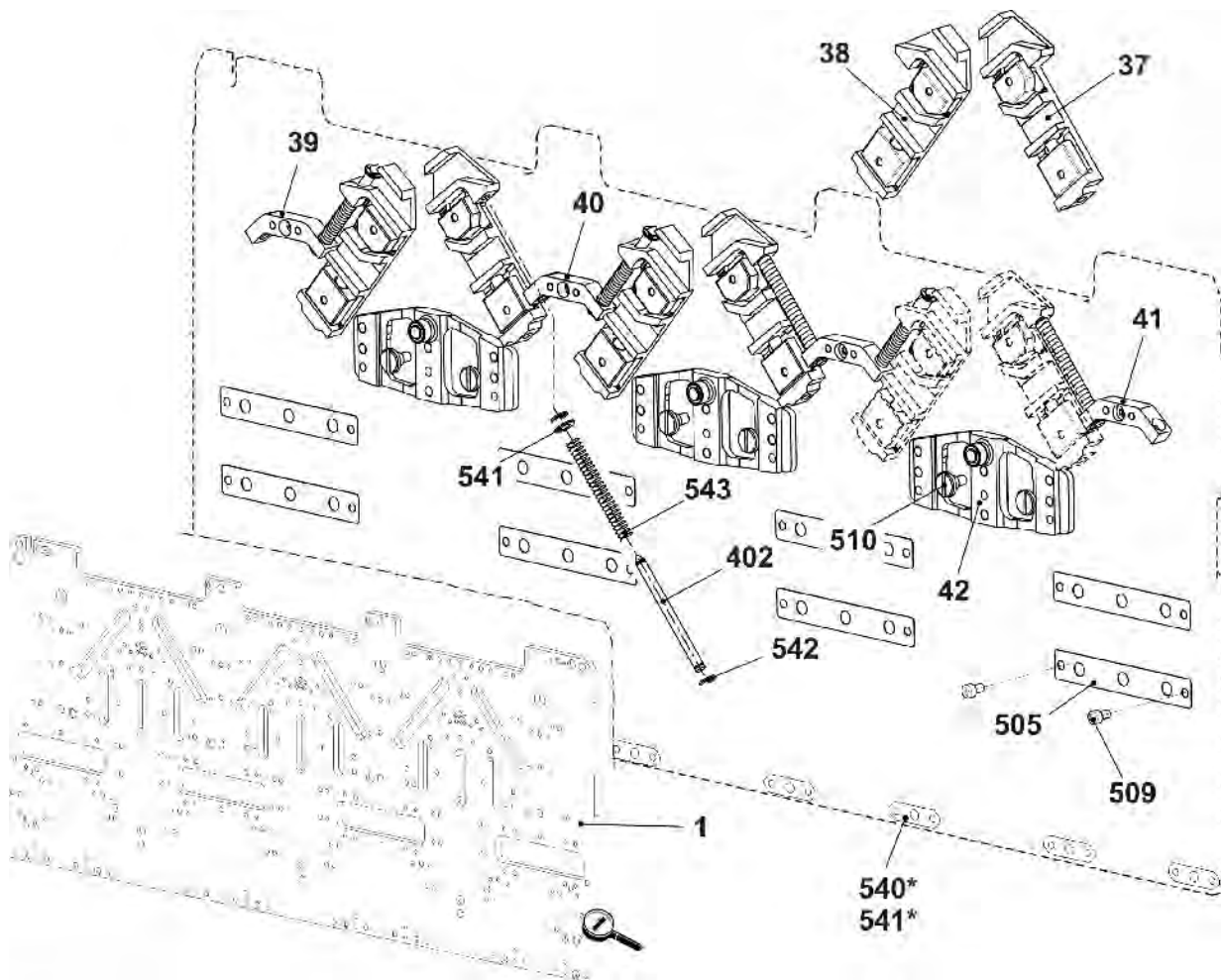
5.12.1 Cams E7 – E8

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 receiving on the left	239 848
5	Entry cam at the bottom E5-8	212 395	25	Pressure part receiving on the right	239 849
6	Plate on the left	260 605	26	Tuck pressure part	239 621
7	Plate in the middle	260 604	27	Limiting cam on the left E7-8	210 291
8	Plate on the right	260 606	28	Limiting cam on the right E7-8	210 292
9	Cam on the left	231 039	29	Pointer E5-8	210 336
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 E7-8	210 324
12	Cam part	260 592	32	Stitch cam on the right E7-8	210 323
13	Cam part	210 254	33	Tuck limiting cam E7-8	255 056
14	Cam on the left E5-14	212 265	34	Raising cam plate E4-12	204 372
15	Cam at the right E5-14	212 266	35	Receiving cam E7-8	210 339
16	Cam on the left	236 192	36	Raising cam without split-stitch E7-8	255 055
17	Cam part at the right	236 193		Raising cam with split-stitch E7-8 Accessories	255 192
18	Cam on the left	259 766	48	Cam part at the right	259 767
19	Cam part	210 252	49	Entry cam on the left E5-8	213 161
20	Offering cam	210 185	50	Entry cam on the right E5-8	213 162
21	Selection cam on the left	212 944	500	Cap screw M4x8	020 091



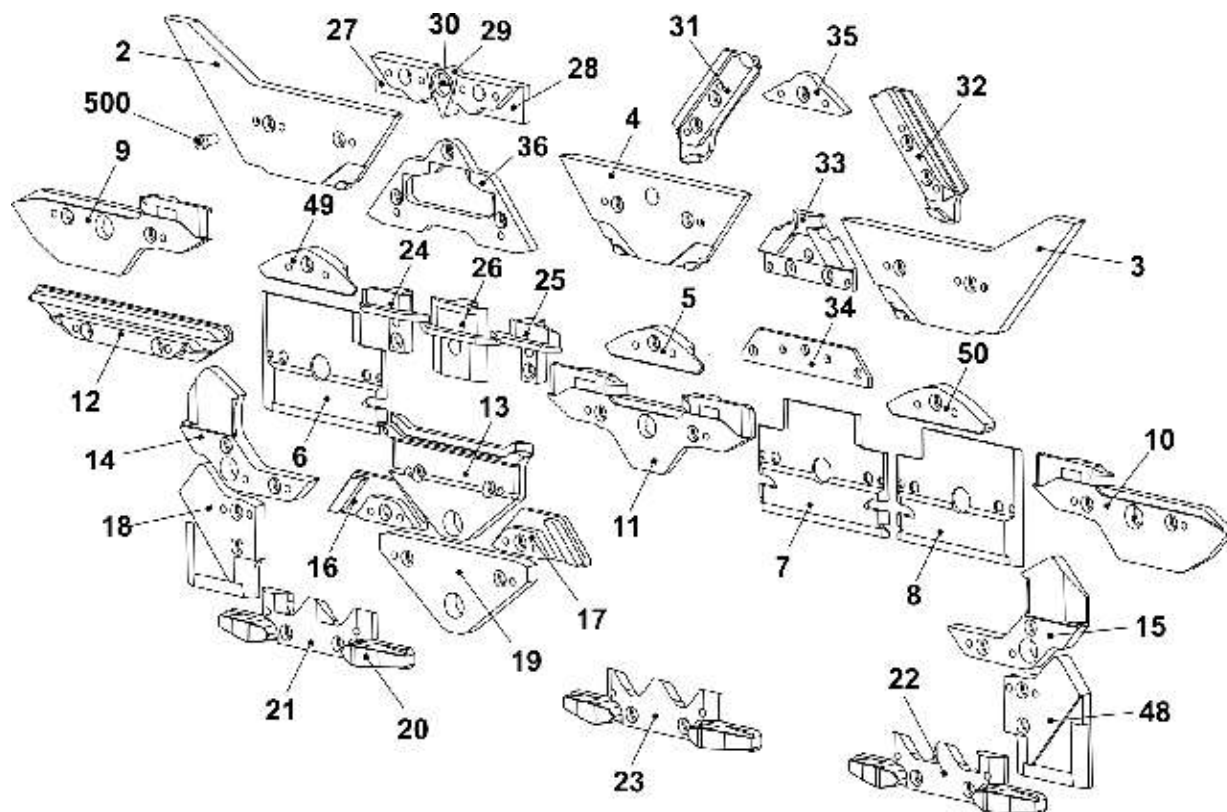
5.13 Cam box E2,5.2m.4L | E3,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E2,5.2+3,5.2m.4L	260 071			
1	Cam plate	240 371	41	542 Circlip 3,2	021 019
37	Loop sinking cam on the right completeE5 – E10	211 163		543 Compression spring	250 515
38	Loop sinking cam on the left completeE5 – E10	211 164	42	Switching piece	240 281
39	Rod guide element on the left	211 165	505	Shim0,5x12x75	236 654
40	Rod guide element in the middle	211 166	540*	Shim0,3x8x28	023 452
41	Rod guide element on the right	211 168	541*	Shim0,5x8x28	023 020
	402 Spring rod	209 791	509	Pan head screw M3x4	023 142
	541 Disk4,1x6x0,5	022 893	510	Shoulder screw	239 626

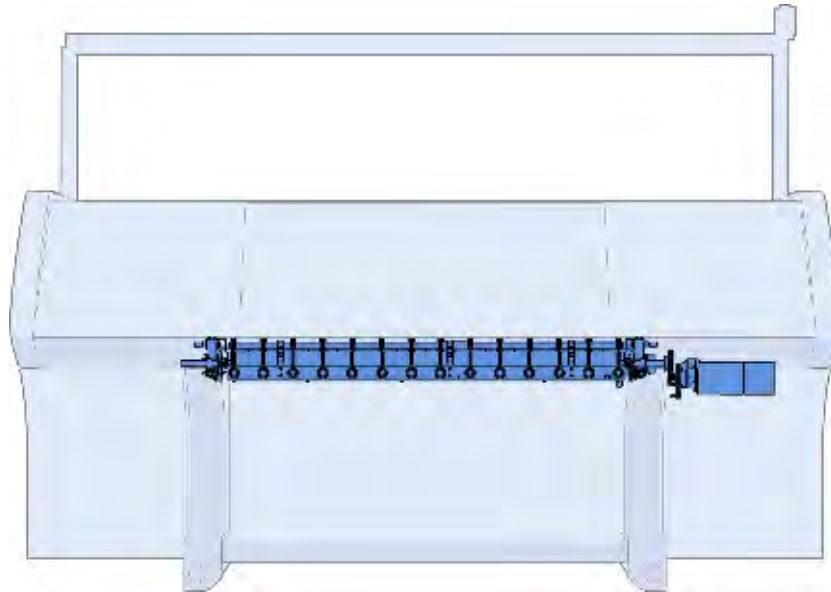


5.13.1 Cams E2,5.2m.4L | E3,5.2m.4L

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 cam receiving on the left	239 848
5	Entry cam in the middle bottom E2,5.2 E3,5.2	235 719	25	Pressure cam receiving on the right	239 849
6	Plate on the left	260 605	26	Tuck pressure cam	239 621
7	Plate in the middle	260 604	27	Limiting cam on the left E2,5.2m.4L +E3,5.2m.4L	259 006
8	Plate on the right	260 606	28	Limiting cam on the right E2,5.2m.4L +E3,5.2m.4L	259 007
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	260 592	32	Stitch cam on the right E2,5.2 E3,5.2	235 713
13	Cam part	210 254	33	Tuck limiting cam E2,5.2m.4L+E3,5.2m.4L	259 010
14	Cam on the left E5-14	212 265	34	Raising cam plate E4-12	204 372
15	Cam at the right E5-14	212 266	35	Receiving cam E5	259 008
16	Cam on the left	236 192	36	Raising cam without split-stitch E2,5.2m.4L+E3,5.2m.4L	259 009
17	Cam part at the right	236 193		Raising cam with split-stitch E2,5.2m.4L +E3,5.2m.4L Accessories	259 011
18	Cam on the left	259 766	48	Cam part at the right	259 767
19	Cam part	210 252	49	Entry cam at the bottom on the left E5-8	235 718
20	Offering cam	210 185	50	Entry cam at the bottom on the right E5-8	235 720
21	Selection cam on the left	212 944	500	Cap screw M4x8	020 091

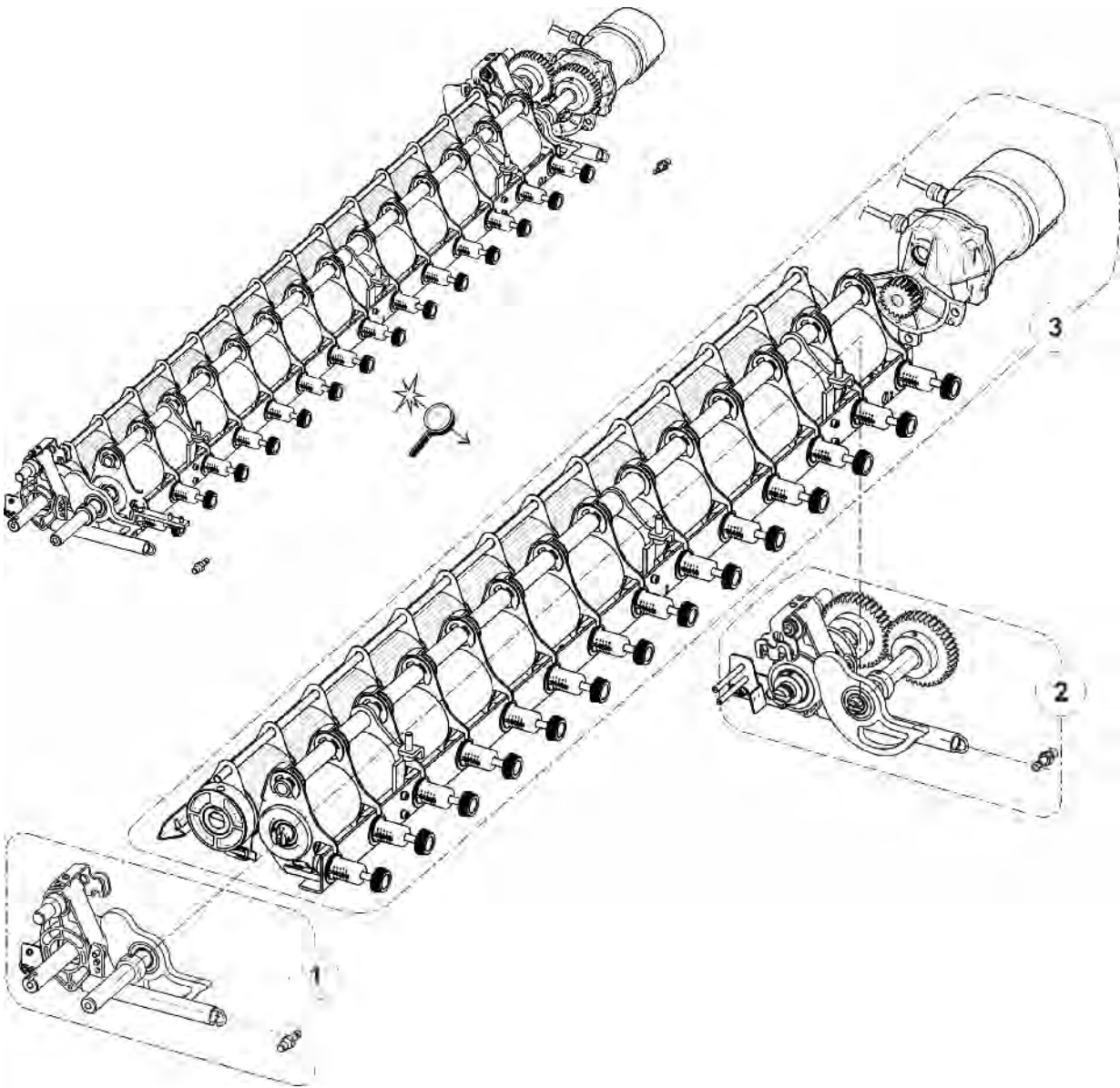


6 Main take-down



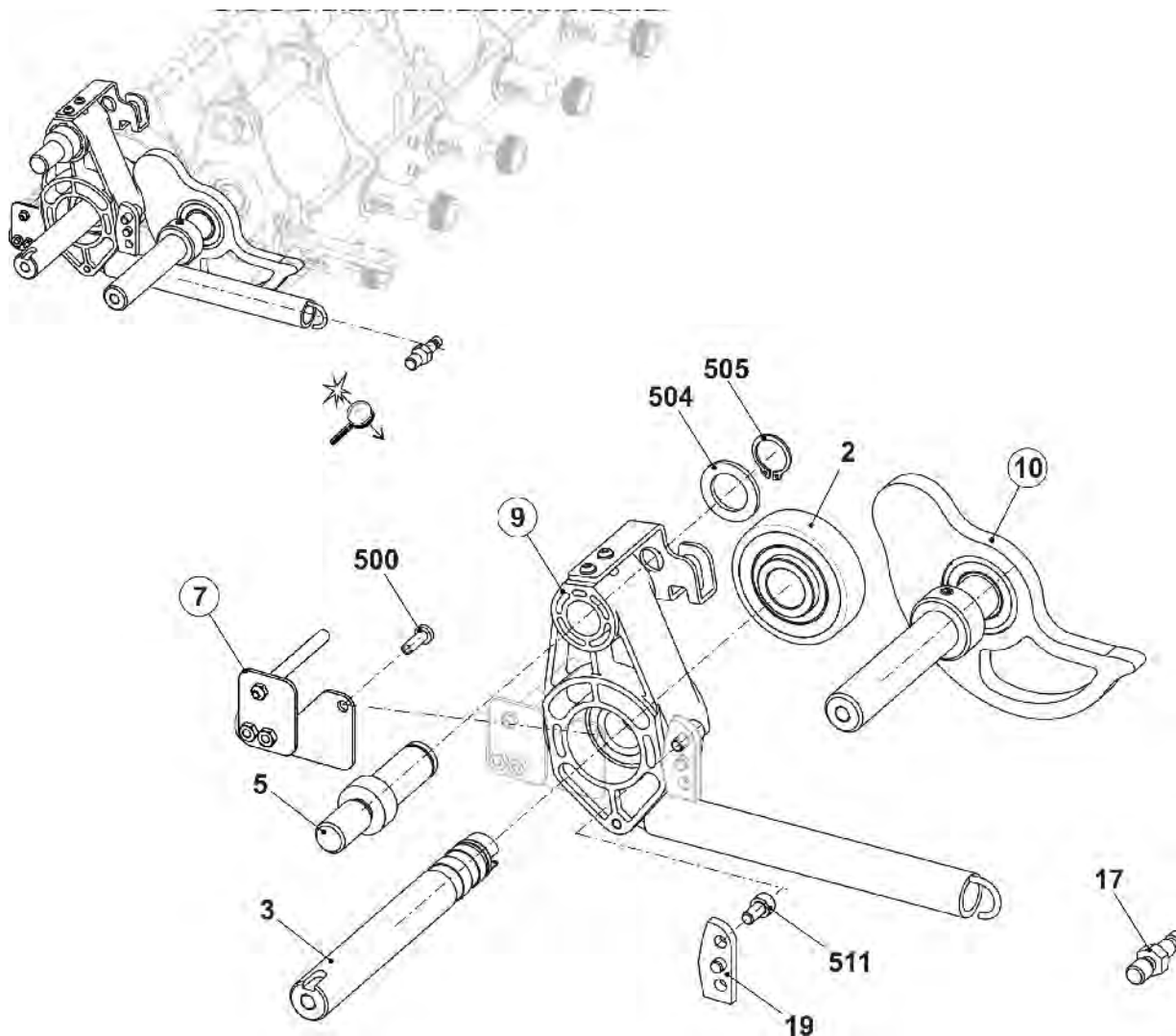
6.1 Main take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down		2	Main take-down on the right	267 097
1	Main take-down on the left	267 098	3	Main take-down in the middle	265 823



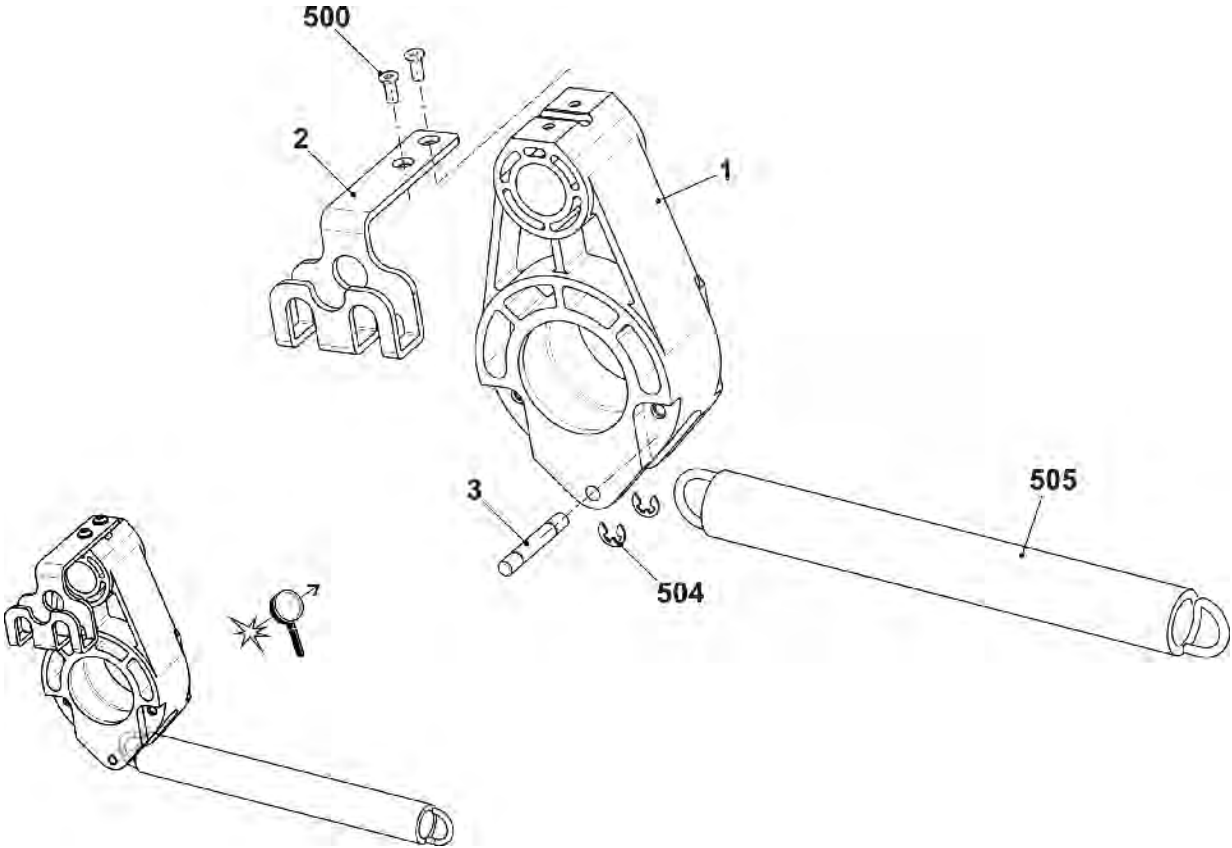
6.1.1 Main take-down on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on the left	267 098			
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	Bolts	208 538	500	Screw 50x15	251 728
7	Mounting plate on the left complete	267 031	504	Washer 18	023 295
9	Swivel-mounted bearing	251 761	505	Retaining ring 18x1,2	020 955
10	Full floating axle on the left	251 984	511	Cap screw M6x12	020 134



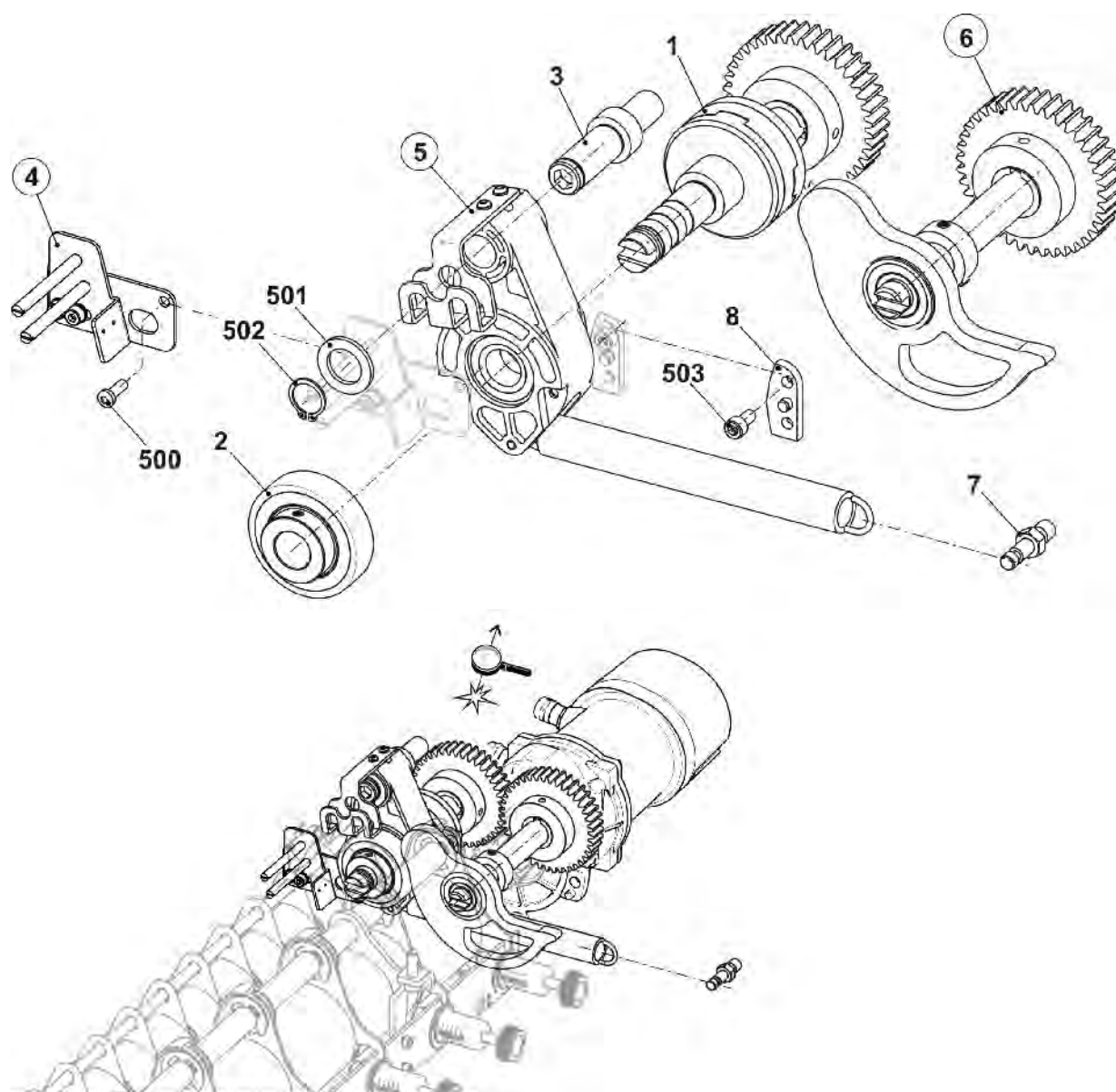
6.1.1.1 Swivel-mounted bearing

Pos	Designation	Id	Pos	Designation	Id
Σ	Swivel-mounted bearing	251 761			
1	Swivel-mounted bearing	241 996	500	Screw M35x10	259 102
2	Sheet metal support	251 749	504	Circlip4	021 020
3	Axle	251 758	505	Tension spring 21x3,0x192	240 217



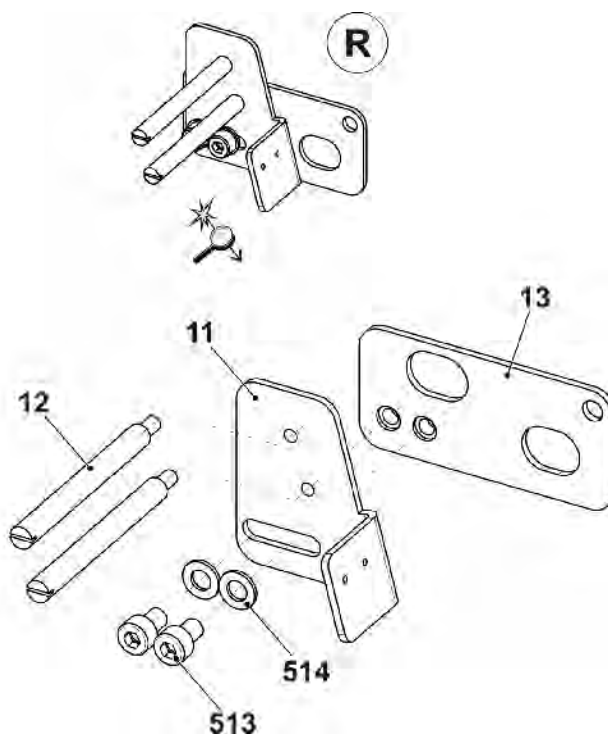
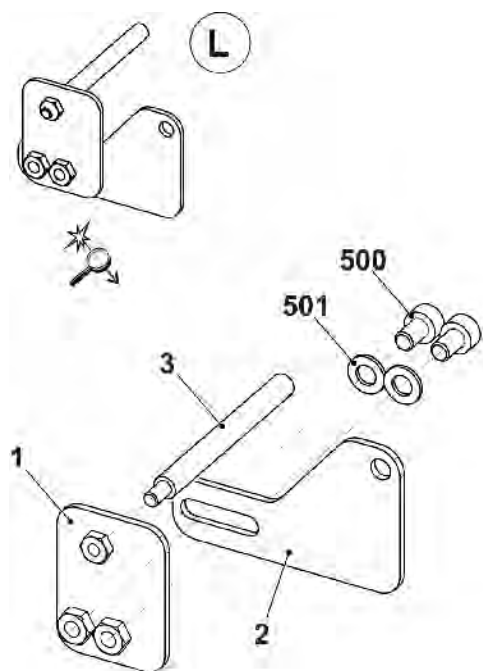
6.1.2 Main take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on the right	267 097			
1	Clutch set	251 677	7	Spring bolt	221 143
2	Bearing race complete	244 459	8	Stop point	252 503
3	Bolts	208 538	500	Screw 50x15	251 728
4	Mounting plate on the right complete	267 032	501	Washer 18	023 295
5	Swivel-mounted bearing	251 761	502	Retaining ring 18x1,2	020 955
6	Full floating axle on the right	251 985	503	Cap screw M6x12	020 134



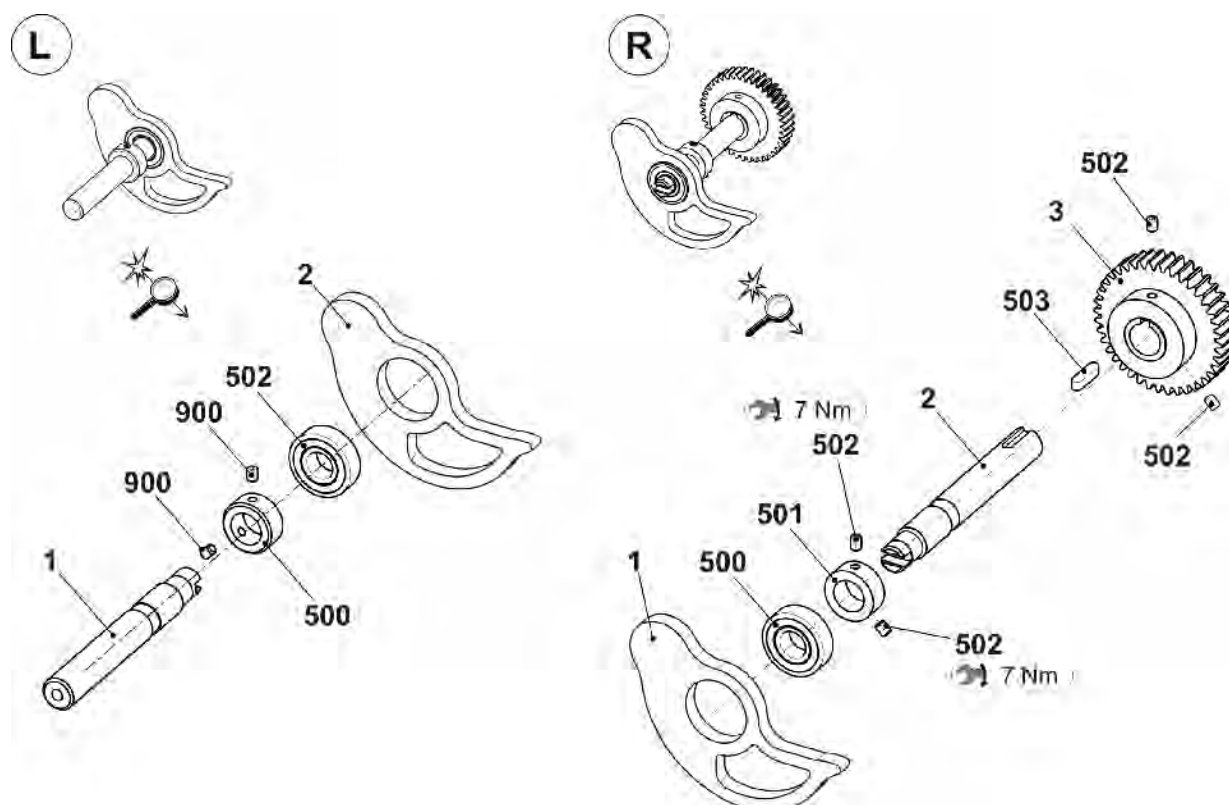
6.1.2.1 Mounting plate on the left and right

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ L	Mounting plate on the left complete	267 031	Σ R	Mounting plate on the right complete	267 032
1	Mounting plate on the left	265 868	11	Mounting plate on the right	265 757
2	Retaining plate on the left	231 539	12	Shoulder screw	240 067
3	Shoulder screw	240 067	13	Retaining plate on the right	265 867
500	Cap screw M5x8	244 278	513	Cap screw M5x8	244 278
501	Washer 5-200	020 871	514	Washer 5-200	020 871



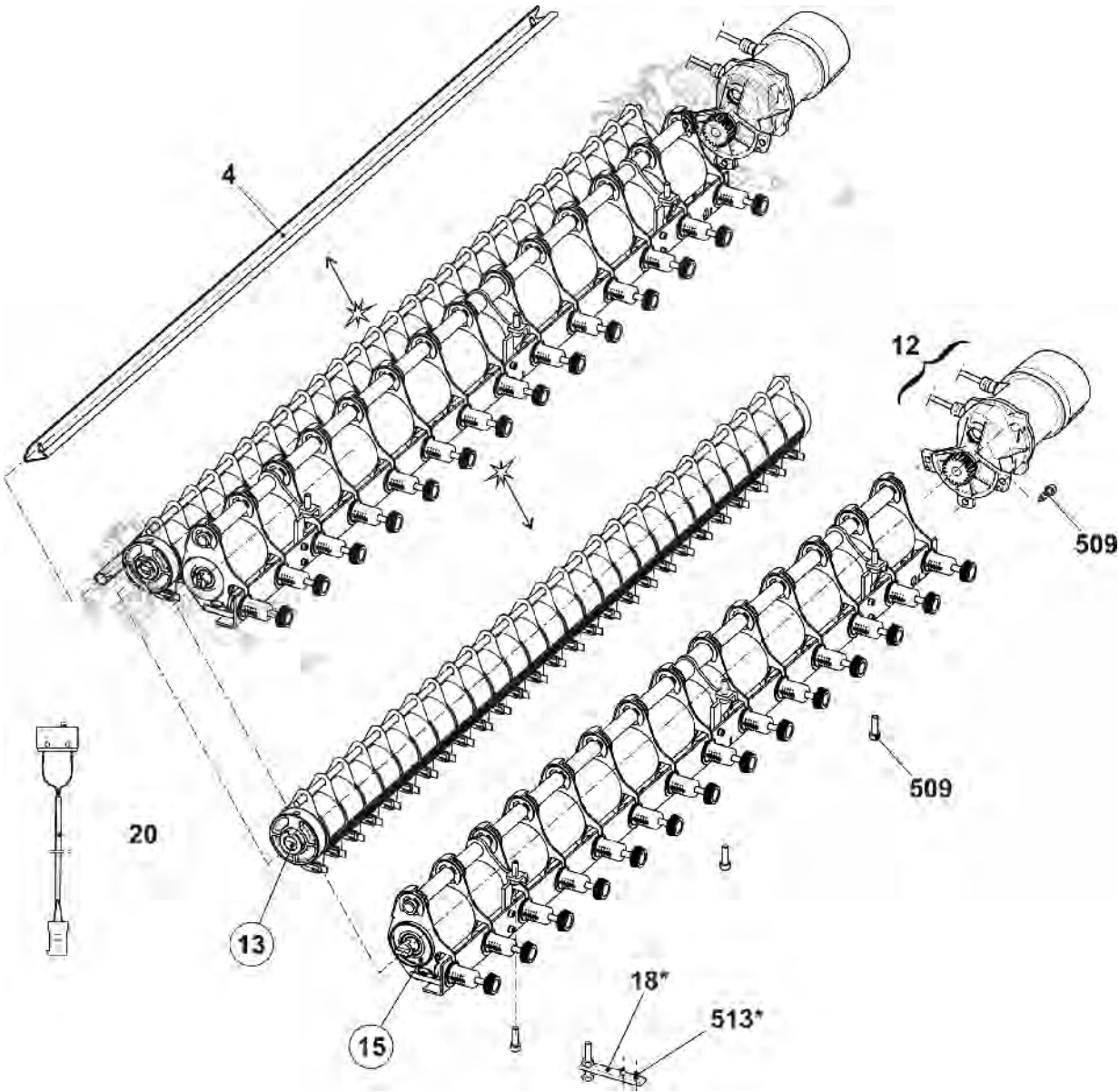
6.1.2.2 Full floating axle on the left and the right

Pos	Designation	Id	Pos	Designation	Id
Σ L	Full floating axle on the left	251 984	Σ R	Full 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	Setscrew M6x8	022 684	501	Set collar	020 938
			502	Setscrew M6x8	022 684
			503	Feather key A 6x6x25	023 017



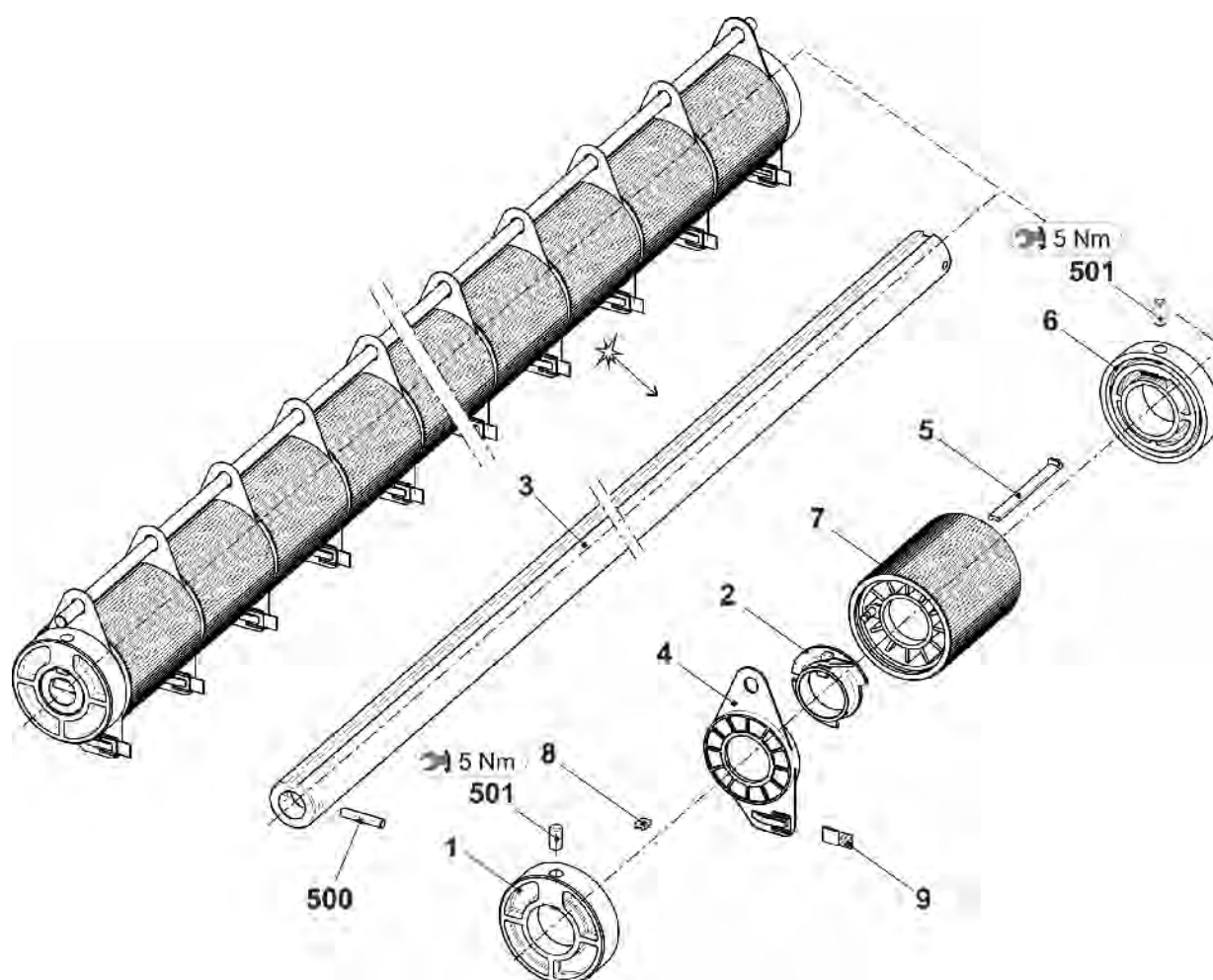
6.1.3 Main take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down in the middle	265 823			
4	Stripper angle	266 995	13	Take-down roller at the rear complete	253 853
12	Three phase servo motor	259 655	509	Cap screw M8x25	020 142
15	Take-down roller at the front complete	241 426	18*	Stop point	253 432
20	Connection cable winding plate OKC5	267 012	513*	Pan head screw M6x16	023 124



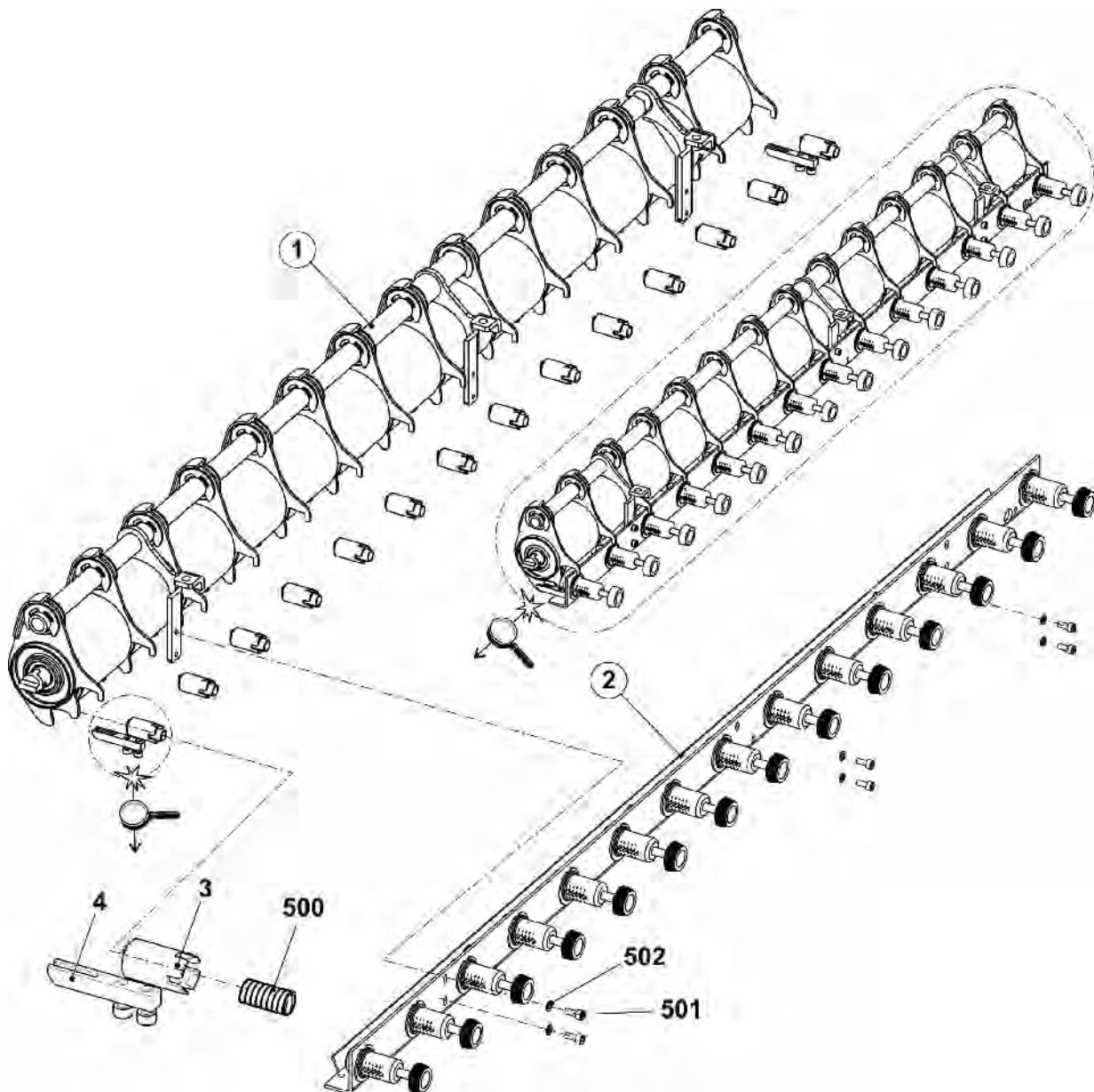
6.1.3.1 Rear take-down roller

Pos	Designation	ID	Pos	Designation	ID
Σ	Take-down roller at the rear complete	253 853			
1	Ring on the left	255 830	7	Roller (E5-14)	264 624
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	264 669	500	Dowel pin 6x32	020 685
6	Ring on the right	255 831	501	Setscrew M8x16	258 910



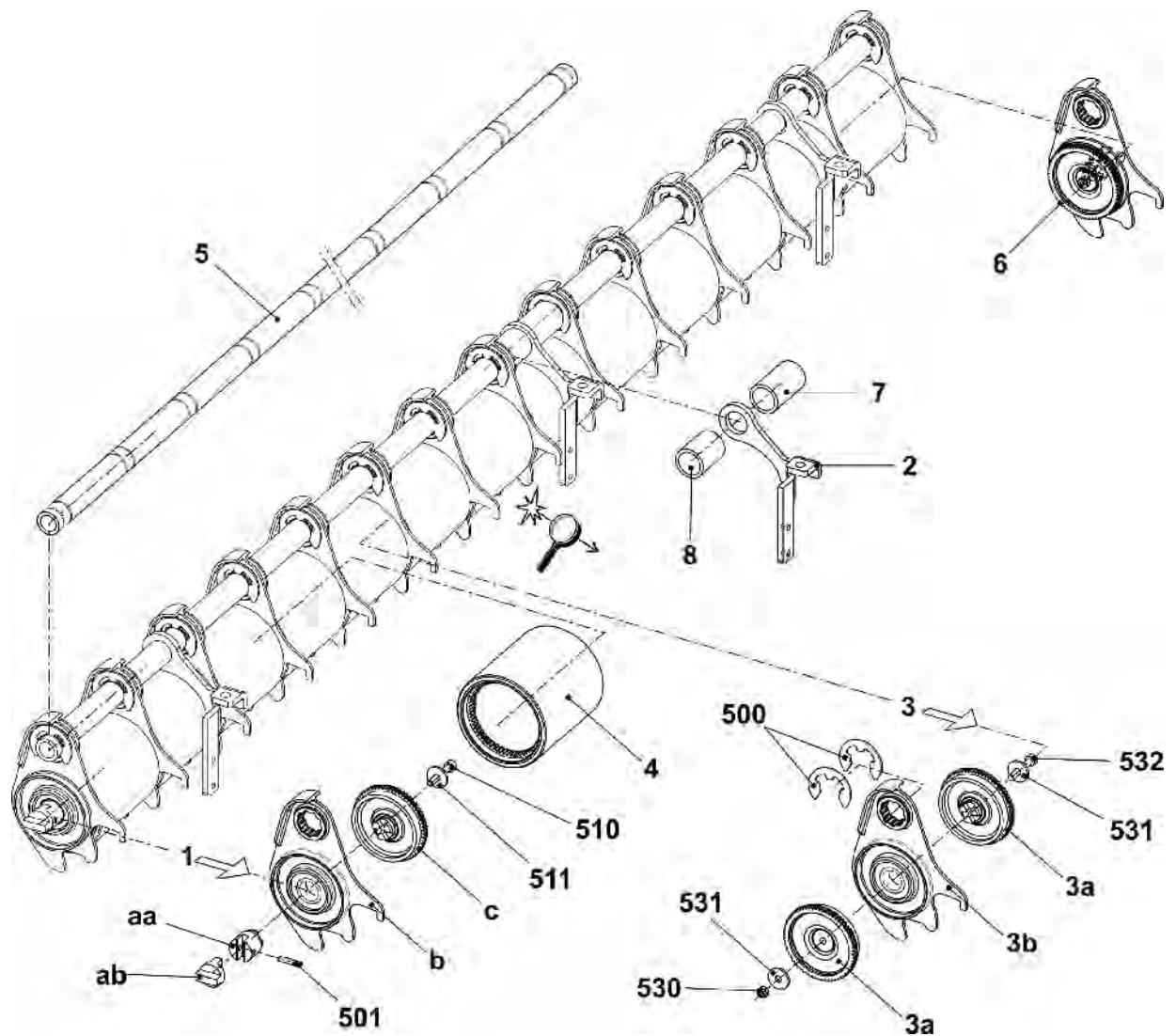
6.1.3.2 Front take-down roller

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the front complete	241 426	4	Locating 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	Washer 5-200	020 880



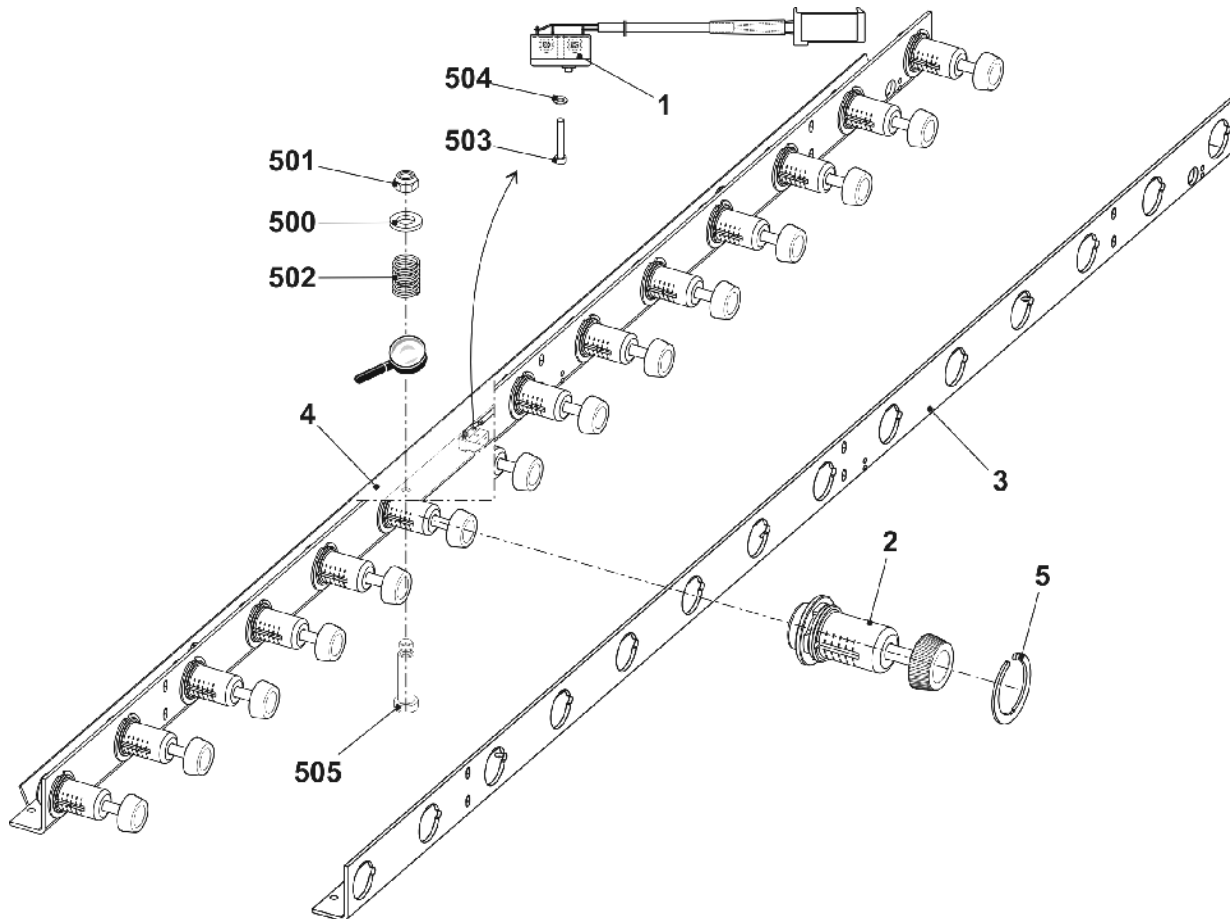
6.1.3.3 Front roller elements

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
ab	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	ab	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	Washer 5	023 542	501	Spring dowel sleeve 4x20	023 551
2	Straps	251 557	510	Cap screw M5x20	020 133
3	Bearing support complete	221 241	511	Washer 5	023 542
3b	Bearing support	220 913	7	Spacer pipe on the right	253 407
3a	Gear wheel	220 910	8	Spacer pipe on the left	253 408
530	Hexagon nut M5	023 541	500	Circlip	021 025
531	Washer 5-100hv	023 542			
532	Cap screw M5x30	022 396			



6.1.3.4 Pressure angle rail

Pos	Designation	Id	Pos	Designation	Id
Σ	Angle rail complete	241 425	500	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	Washer 2-200	022 908
5	Retaining ring	242 325	505	Shoulder screw M5x20x5	023 675

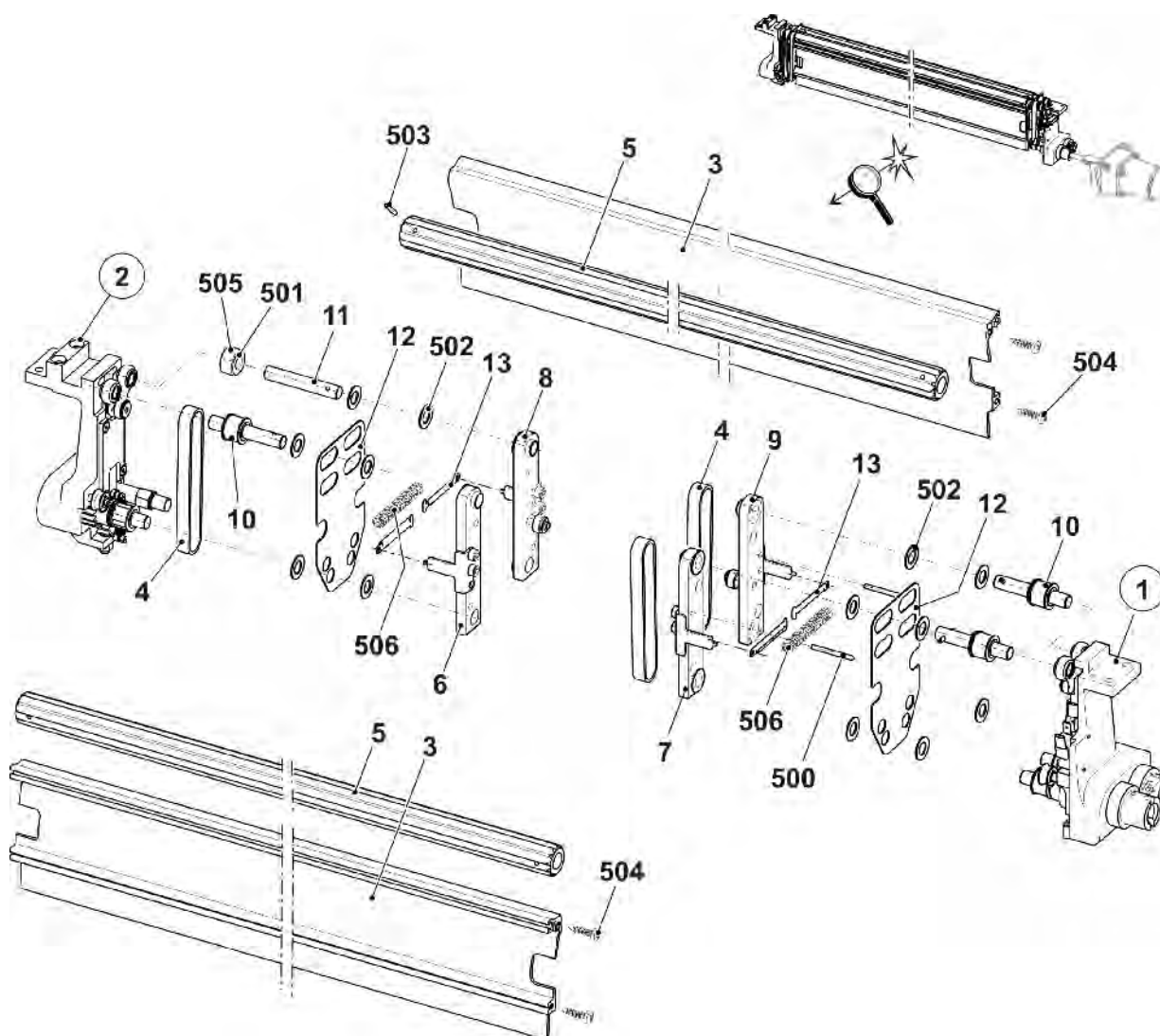


7 Auxiliary Take-down



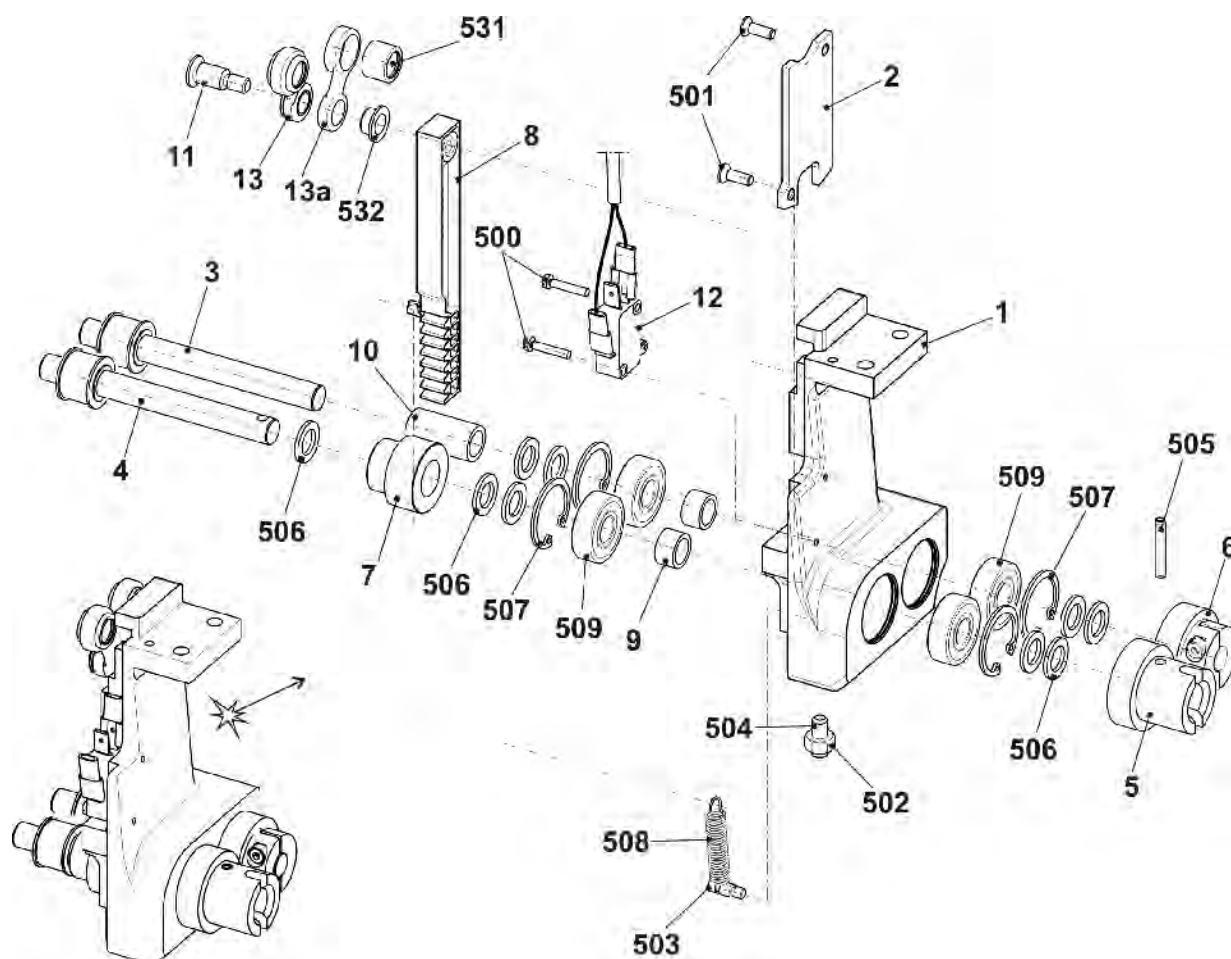
7.1 Auxiliary take-down pre-assembled

Pos	Designation	Id	Pos	Designation	Id
Σ	Auxiliary take-down pre-assembled	267 045			
1	Bearing on the right complete	267 044	11	Bolts	227 914
2	Bearing on the left complete	267 043	12	Protective plate	264 958
3	Guide plate	213 362	13	Support spring	264 961
4	Toothed belt 10T5/260	208 832	500	Shoulder screw M3x27x32	023 634
5	Take-down roller	224 891	501	Set collar	020 934
6	Lever at the front on the left	264 036	502	Stop disk	023 646
7	Lever at the front on the right	264 035	503	Spring dowel sleeve 3x20	020 776
8	Lever at the rear on the left	264 034	504	Sheet metal screw St4,8x22-C	023 259
9	Lever at the rear on the right	264 033	505	Setscrew M5x6	023 391
10	Timing belt pulley complete	226 708	506	Compression spring 1,0x8x59	264 966



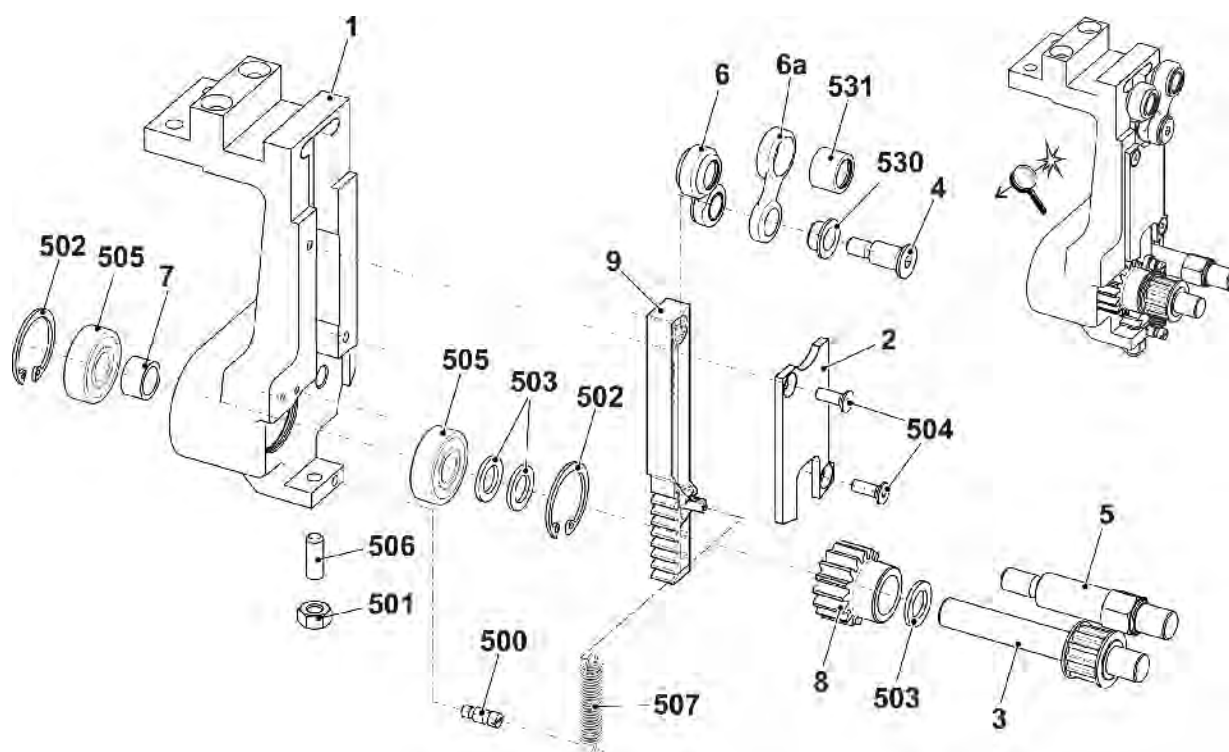
7.1.1 Right bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right complete	267 044			
1	Bearing block on the right	258 913	13a	Connecting rod	255 696
2	Cover	257 466	531	Needle roller bearing HK1010	023 664
3	Drive shaft complete	227 857	532	Slide bearing GFM-081014-06	023 358
4	Drive shaft complete	227 853	500	Cap screw M3x16	022 560
5	Gear wheel M=1,5, Z=20	213 880	501	Countersunk head screw M4x12	023 062
6	Gear wheel M=1,5, Z=20	210 504	502	Hexagon nut M6-6	020 836
7	Gear wheel on the right complete	218 524	503	Shoulder screw M4x9x14	020 602
8	Gear rack on the right	253 487	504	Setscrew M6x16-45	023 092
9	Threaded spacer	229 683	505	Spiral pin 4x24	023 544
10	Sleeve	227 257	506	Shim ring 10x16x1,5	023 261
11	Collar bolt	210 551	507	Retaining ring 26x1,2	023 359
12	Cable with switch auxiliary take-downokc	243 142	508	Tension spring 7,5x0,7x28	023 595
13	Connecting rod complete	226 710	509	Grooved ball bearing 6000-2Z	022 599



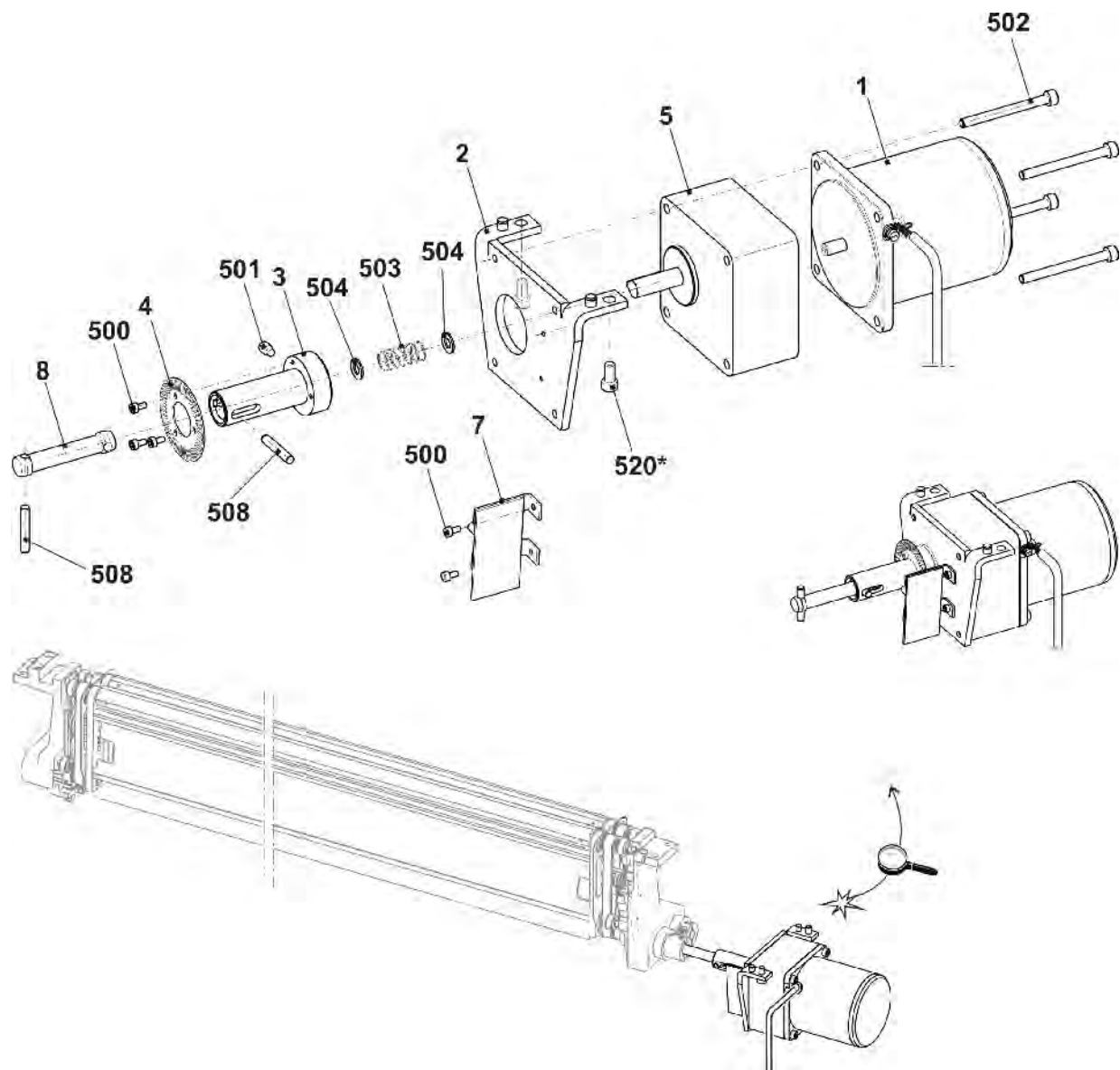
7.1.2 Left bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the left	267 043			
1	Bearing block on the left	258 914	8	Gear wheel on the left complete	218 523
2	Cover	257 466	9	Gear rack on the left	253 488
3	Drive shaft complete	227 887	500	Shoulder screw M4x9x14	020 602
4	Collar bolt	210 551	501	Hexagon nut M6-6	020 836
5	Bolts	226 705	502	Retaining ring 26x1,2	023 359
6	Connecting rod complete	226 710	503	Shim ring 10x16x1,5	023 261
6a	Connecting rod	255 696	504	Countersunk head screw M4x12	023 062
530	Slide bearing GFM-081014-06	023 358	505	Grooved ball bearing 6000-2Z	022 599
531	Needle roller bearing HK1010	023 664	506	Setscrew M6x16-45	023 092
7	Threaded spacer	229 683	507	Tension spring 7,5x0,7x28	023 595



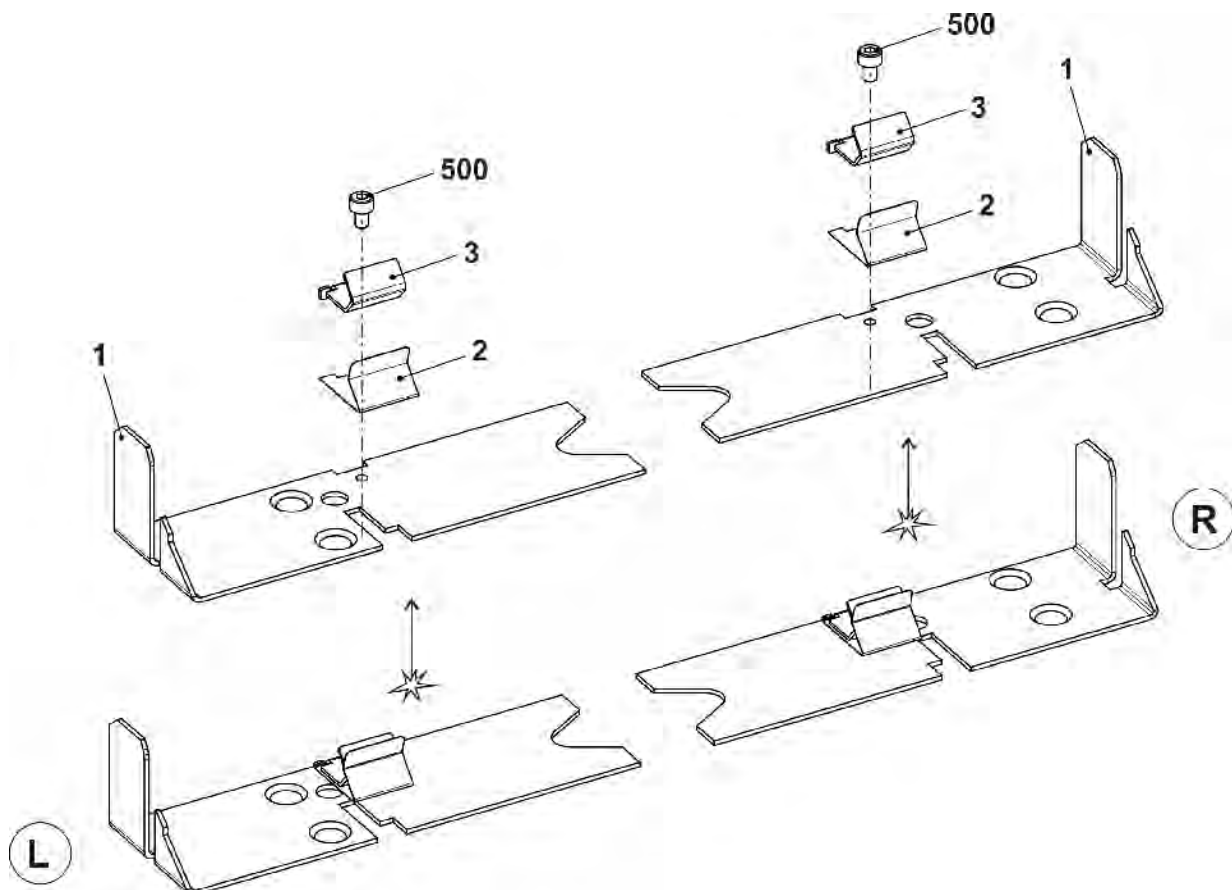
7.2 Motor

Pos	Designation	Id	Pos	Designation	Id
Σ	Motor auxiliary take-down complete	265 820			
1	Motor auxiliary take-down	266 528	500	Cap screw M3x6	022 589
2	Motor bracket	218 040	501	Setscrew 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 unit 4GN36K	220 353	504	Shim ring 6x12x1	023 444
7	Light barrier Auxiliary take-down	217 462	508	Dowel pin5x28	241 686
8	Shaft	219 025	520*	Cap screw M6x12	020 134

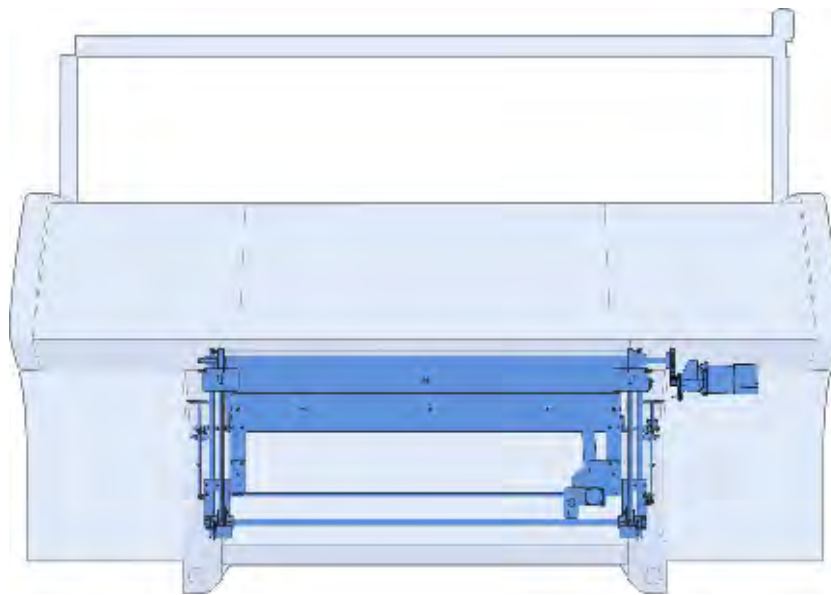


7.3 Yarn brake at clamping and cutting bed

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

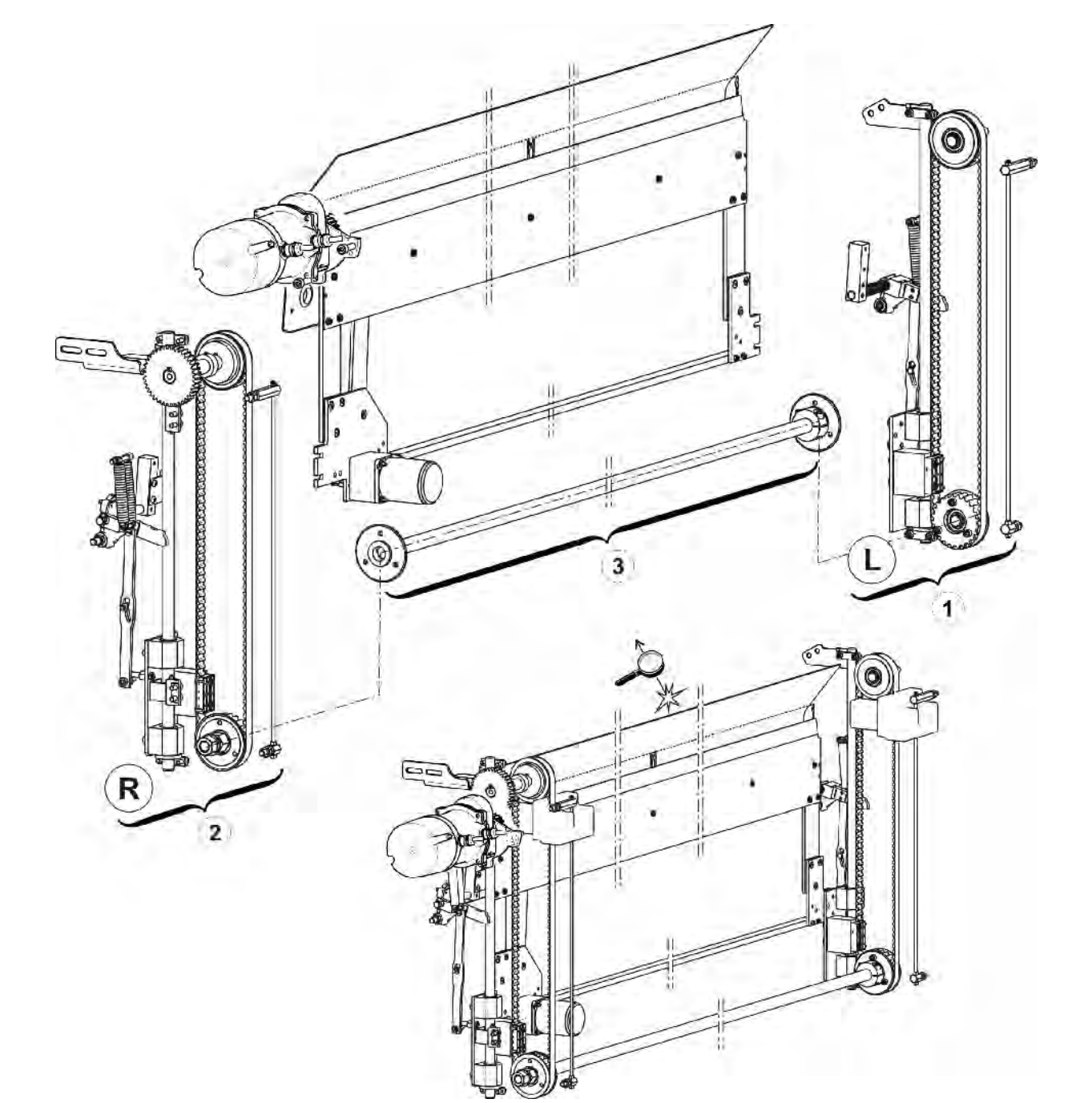


8 Comb Take-down



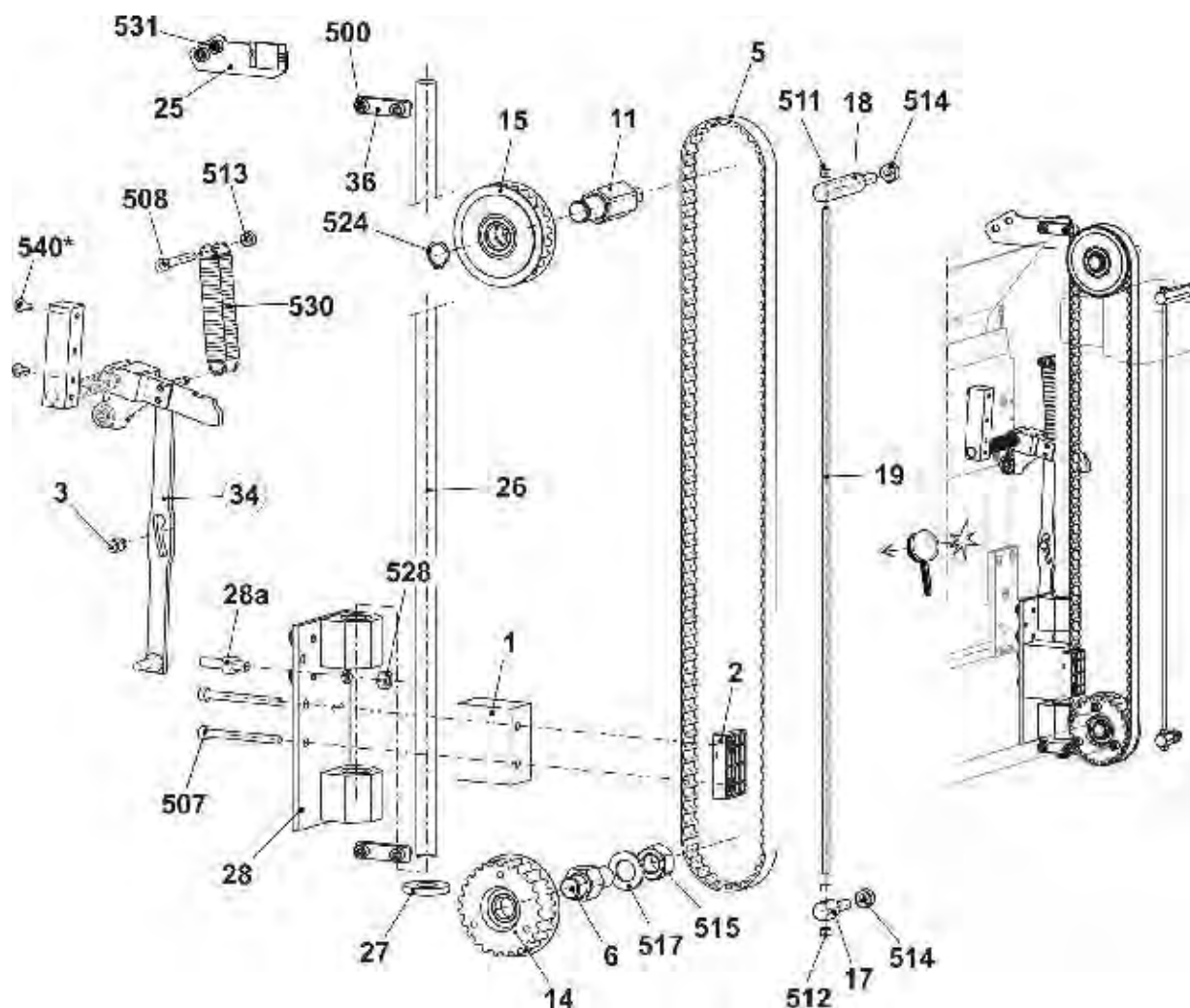
8.1 Comb Take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down		3	Comb take-down in the middle	
1	Comb take-down on the left	256 834	E5 E5m.4 E2,5.2 E2,5.2m.4L		267 139
2	Comb take-down on the right	256 835	E7 E7m.5 E3,5.2 E3,5.2m.4L		265 829
			E8		267 143
			E5.2		267 076



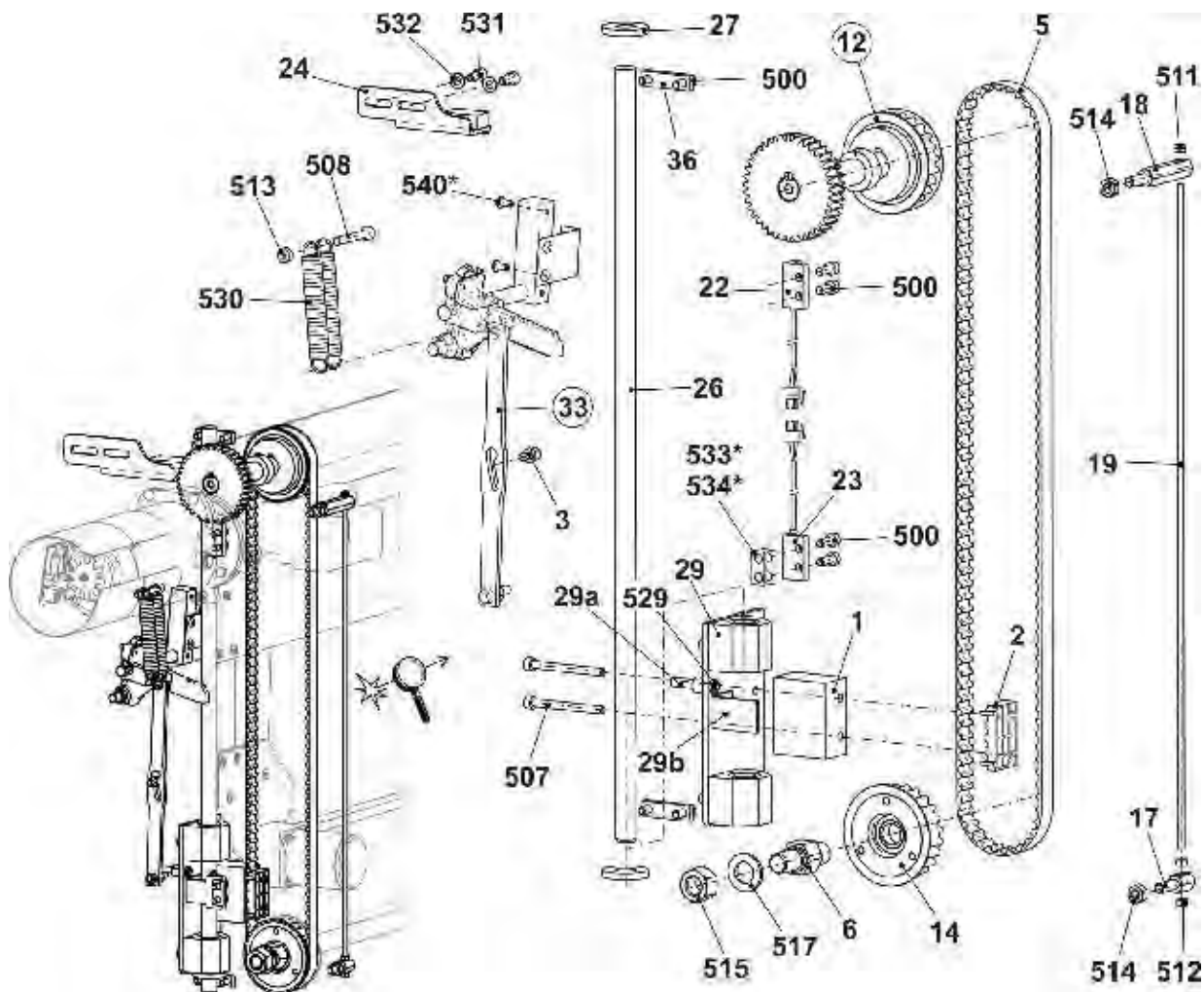
8.1.1 Comb take-down on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the left	256 834			
1	Clamping piece	209 379	528	Hexagon nut M8-6	020 838
2	Pressure plate	241 967	34	Swivel lever on the left	252 859
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
11	Bolts	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	Washer 16	020 876
26	Guide bar C35	206 560	524	Retaining 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*	Pan-head screw M5x10	023 247



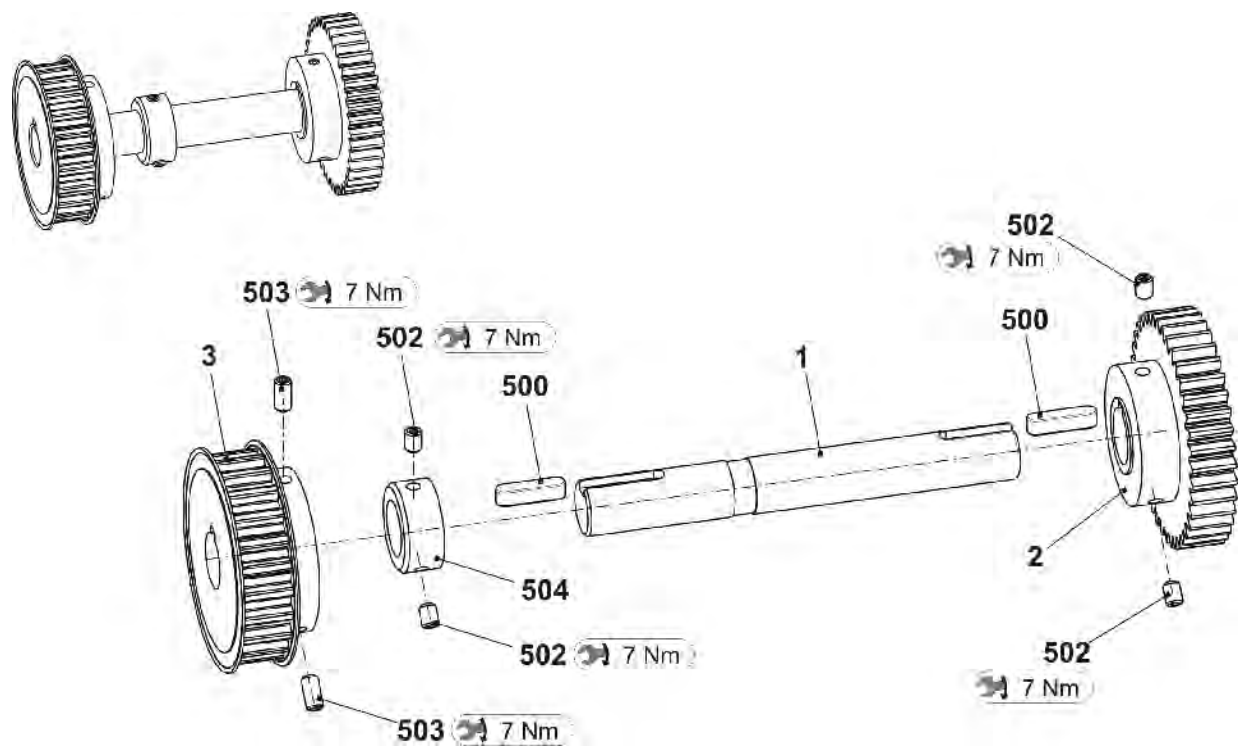
8.1.2 Comb take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the right	256 835			
1	Clamping piece	209 379		529 Hexagon nut M8-6	020 838
2	Pressure plate	241 967	33	Swivel lever on the right	252 858
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	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	Washer 16	020 876
24	Light barrier 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	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*	Pan-head screw M5x10	023 247



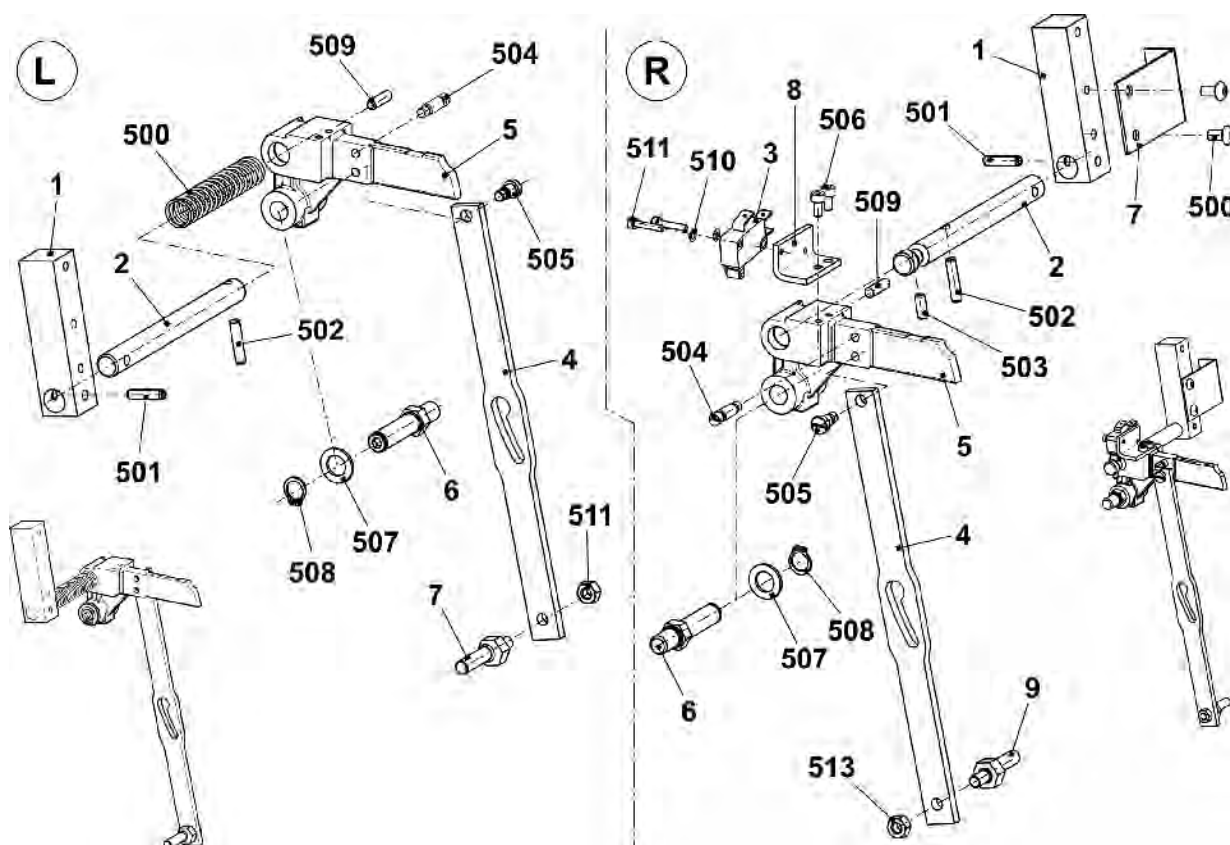
8.1.2.1 Drive shaft of comb

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 pulley at the top	206 394	504	Set collar	020 938
	Always order position 503 additionally				



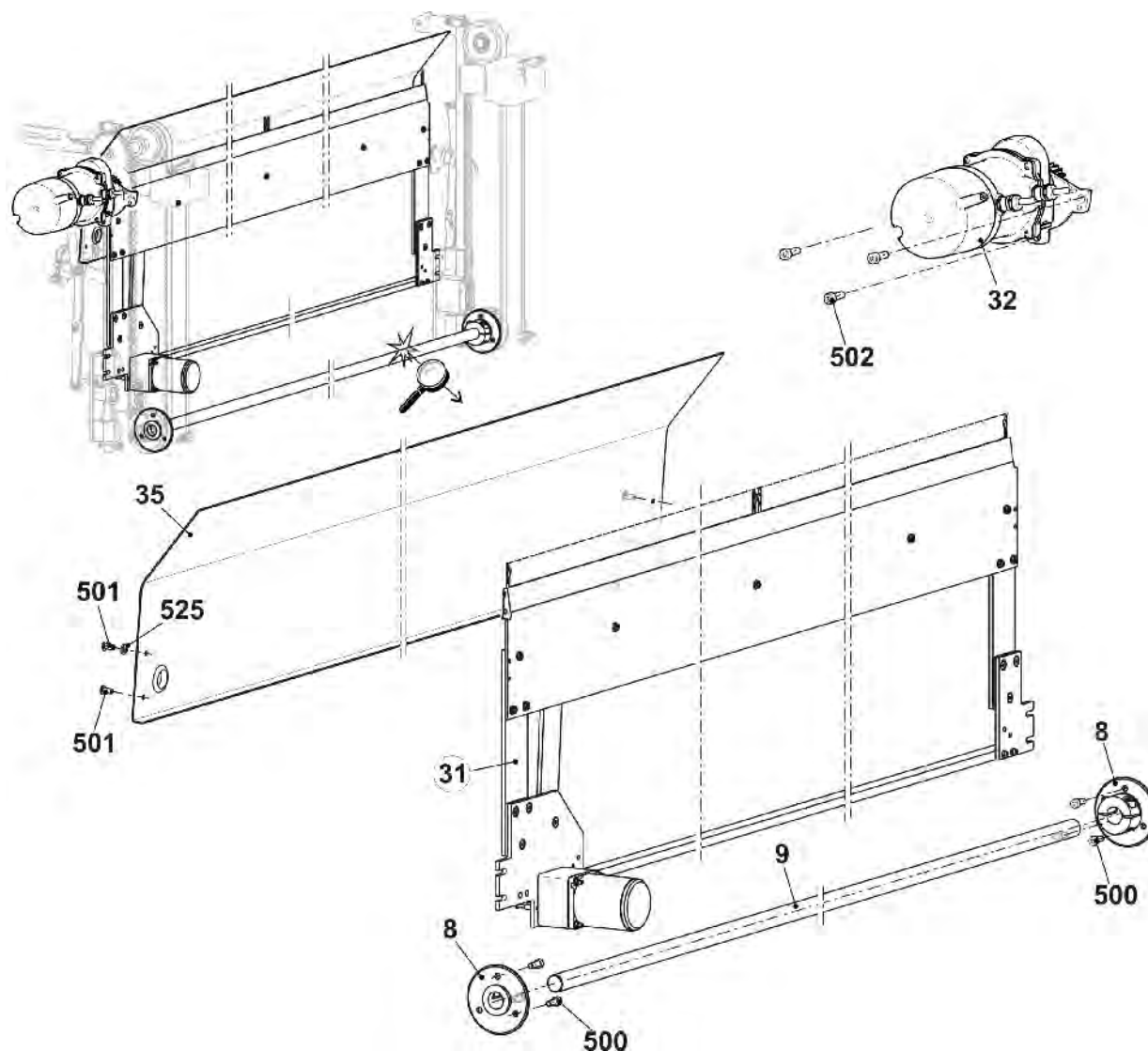
8.1.2.2 Swivel lever comb take-down

Pos	Designation	Id	Pos	Designation	Id
Σ L	Swivel lever on the left	252 859	3	Microswitch	026 259
1	Support	252 780	4	Plunger	255 650
2	Shaft	223 994	5	Swivel lever	239 248
4	Plunger	255 650	6	Bolts	214 053
5	Swivel lever	239 248	7	Angle	224 009
6	Bolts	214 053	8	Angle	238 304
7	Eccentric bolt	255 651	9	Eccentric bolt	255 651
500	Compression spring 1,4x13,6x93	023 572	500	Pan-head screw M5x10	023 247
501	Spring dowel sleeve Iso8752-5x20	020 794	501	Spring dowel sleeve 5x20	020 794
502	Dowel pin5x22	023 716	502	Dowel pin5x22	023 716
504	Shoulder screwM5x29x35	251 618	503	Spring dowel sleeve 5x12	020 793
505	Shoulder screw M5x5,8x6,2	023 365	504	Shoulder screwM5x29x35	251 618
507	Washer 10	020 884	505	Shoulder screw M5X5,8X6,2	023 365
508	Retaining ring	020 950	506	Cap screw M4x8	022 501
509	Shoulder screw M5x12x18	020 539	507	Washer 10	020 884
511	Hexagon nut M8-6	020 838	508	Retaining ring10x1	020 950
Σ R	Swivel lever on the right	252 858	509	Shoulder screwM5X12X18	020 539
1	Support	252 780	510	Cap screw M3x16	022 583
2	Shaft	238 339	511	Washer 3	020 877
			513	Hexagon nut M8-6	020 838



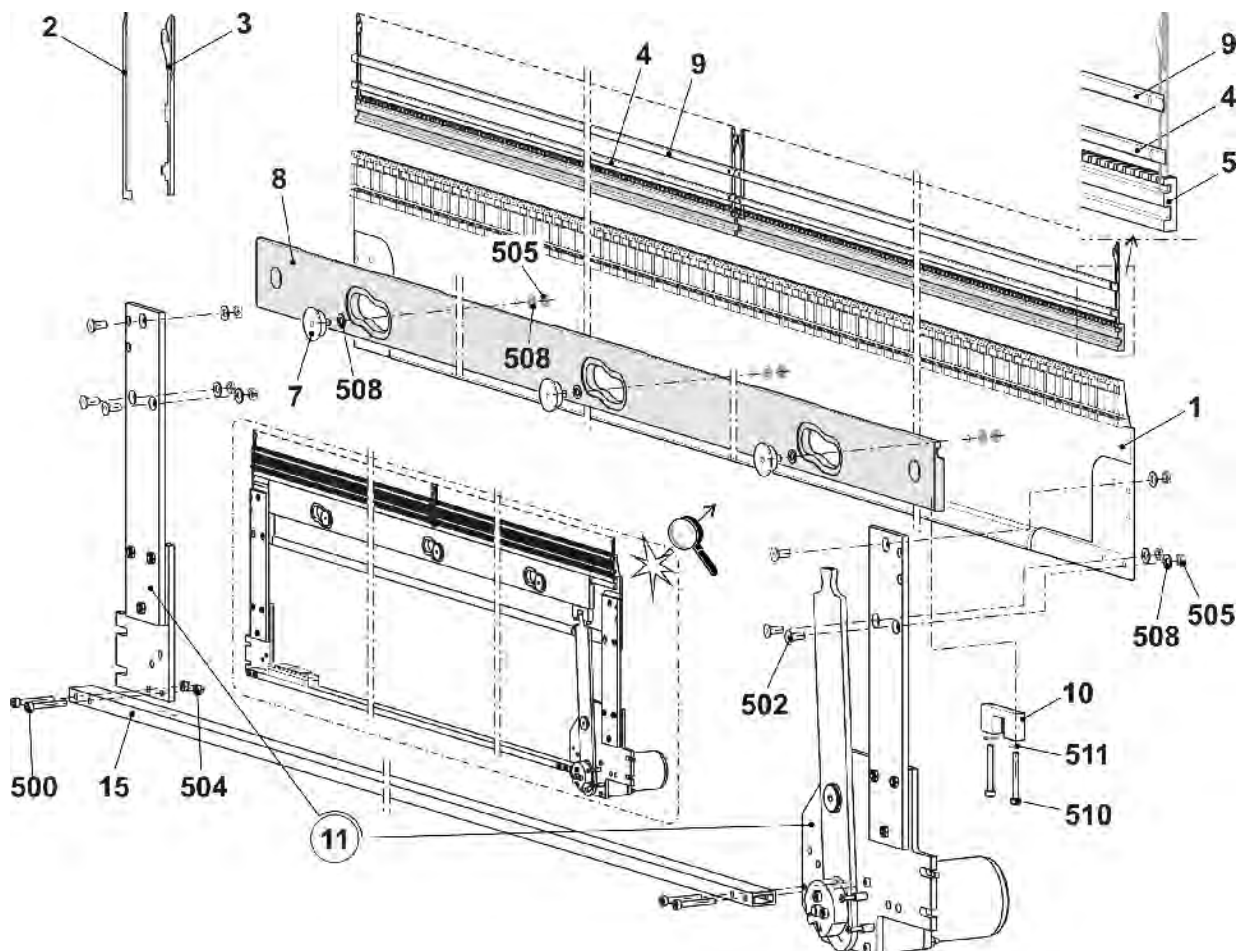
8.1.3 Comb take-down in the middle

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down in the middle		31	Comb unit	
	E5 E5m.4 E2,5.2 E2,5.2m.4L	267 139		E5 E5m.4 E2,5.2 E2,5.2m.4L	267 140
	E7 E7m.5 E3,5.2 E3,5.2m.4L	265 829		E7 E7m.5 E3,5.2 E3,5.2m.4L	265 828
	E8	267 143		E8	267 144
	E5.2	267 076		E5.2	267 077
8	Flange	207 695	32	Three phase servo motor of take-down	259 655
9	Shaft long	213 968	35	Marking plate	259 237
500	Cap screw M6x16	020 135	502	Cap screw M8x25	020 142
501	Pan head screw M5x10	023 247	525	Serrated lock washer J5,3	022 489



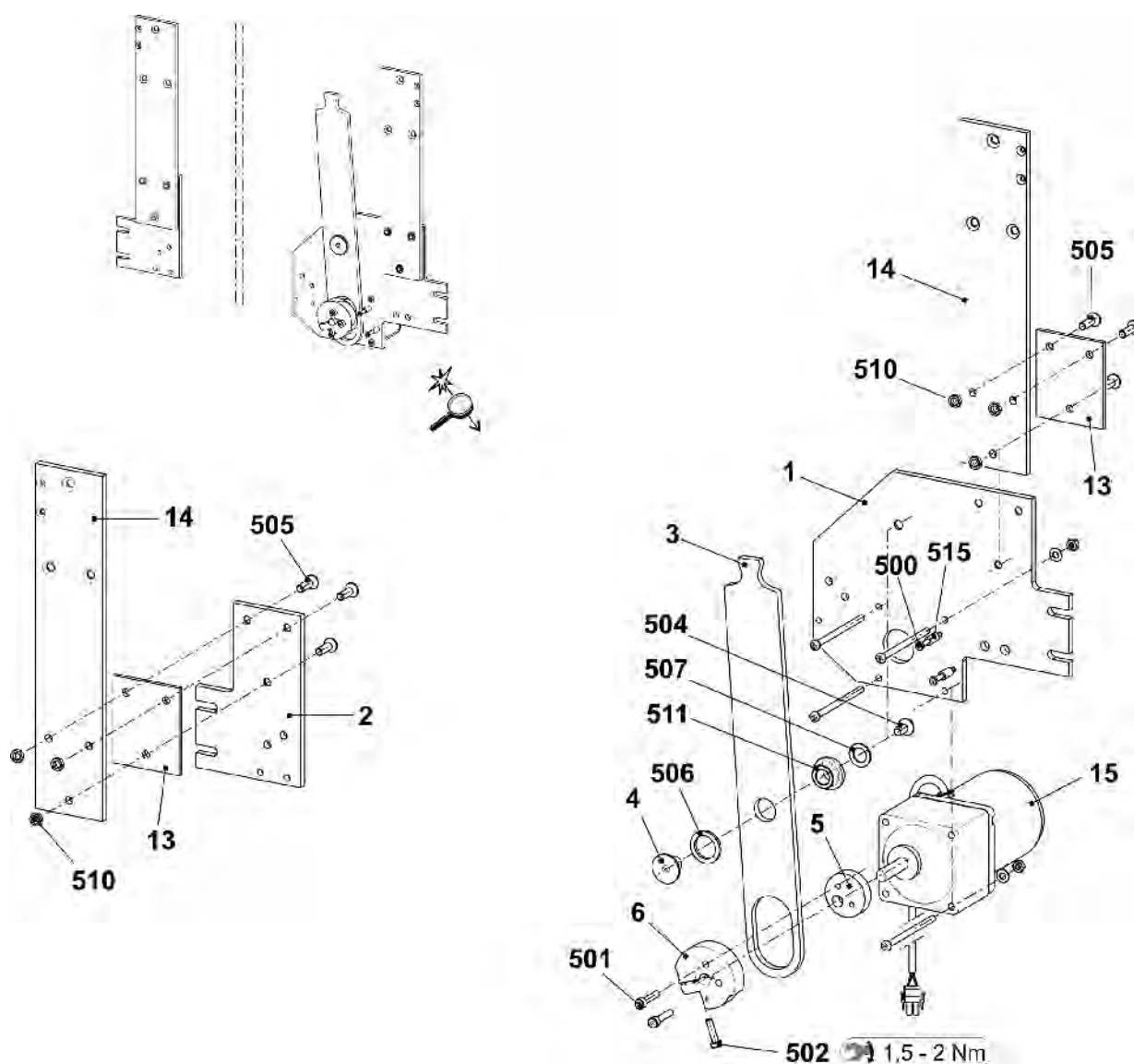
8.1.3.1 Comb unit

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Comb unit		5	Hook slider	
	E5 E5m.4	267 140		E5 E5m.4	220 995
	E7 7m.5 E3,5.2	265 828		E7 7m.5 E3,5.2	220 993
	E8	267 144		E8	220 994
	E5.2	267 077		E5.2	220 996
1	Hook bed		7	Collar bolt complete	211 036
	E5 E5m.4	267 316	8	Cross slider	213 429
	E7 7m.5 E3,5.2	267 317	9	Cover rail	222 866
	E8	267 318	10	Plunger	205 678
	E5.2	267 319	11	Switching lever complete	265 827
2	Closer		15	Stabilizer	215 253
	E5 E8 E7 E5m.4 7m.5 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 E3,5.2	230 093	505	Hexagon nut M5-04	020 854
	E5.2	230 094	508	Washer 5	020 871
4	Cover rail	213 428	510	Cap screw M4x35	023 550
			511	Circlip	022 774

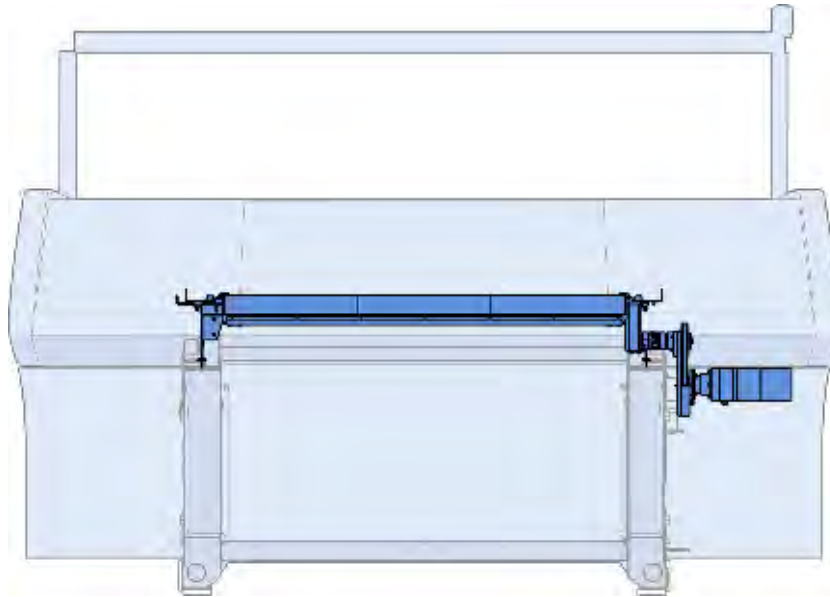


8.1.3.2 Switching lever comb take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Switching lever complete	265 827	500	Cap screw M3x25	023 093
1	Screw-on plate on the right	240 058	501	Cap screw M4x20	023 171
2	Screw-on plate on the left	240 059	502	Cap screw M4x16	023 123
3	Lever	215 228	504	Pan-head screw M6x12	023 435
4	Bearing bolt	215 675	505	Pan-head screw M5x16	023 417
5	Eccentric	205 681	506	Shim ring 16x22x2	023 449
6	Tension cam	215 287	507	Shim ring 10x16x1	023 260
13	Intermediate plate	213 980	510	Hexagon nut M5	020 854
14	Holding plate	218 977	511	Collar bearing 10x16x22	022 841
15	Motor Comb hook with gear	259 099	515	Threaded spacer	210 488

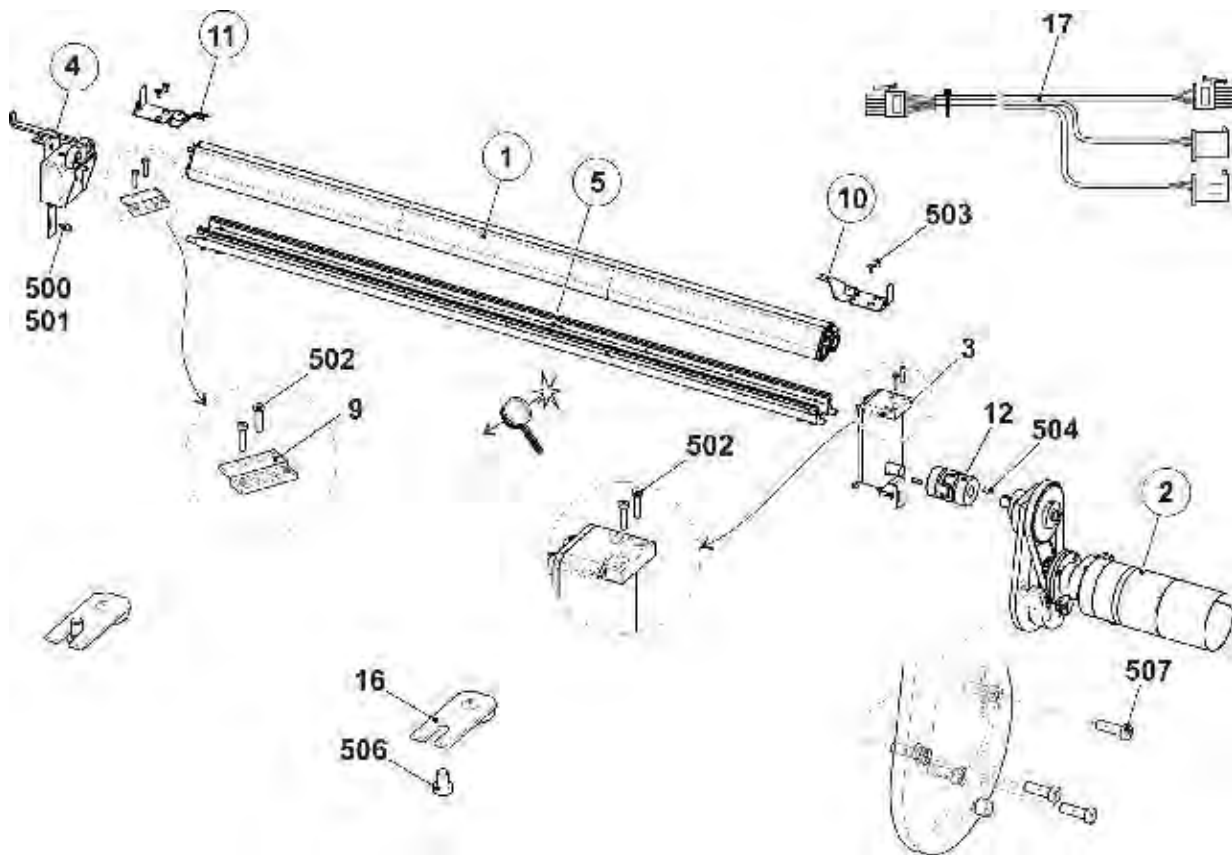


9 Belt take-down



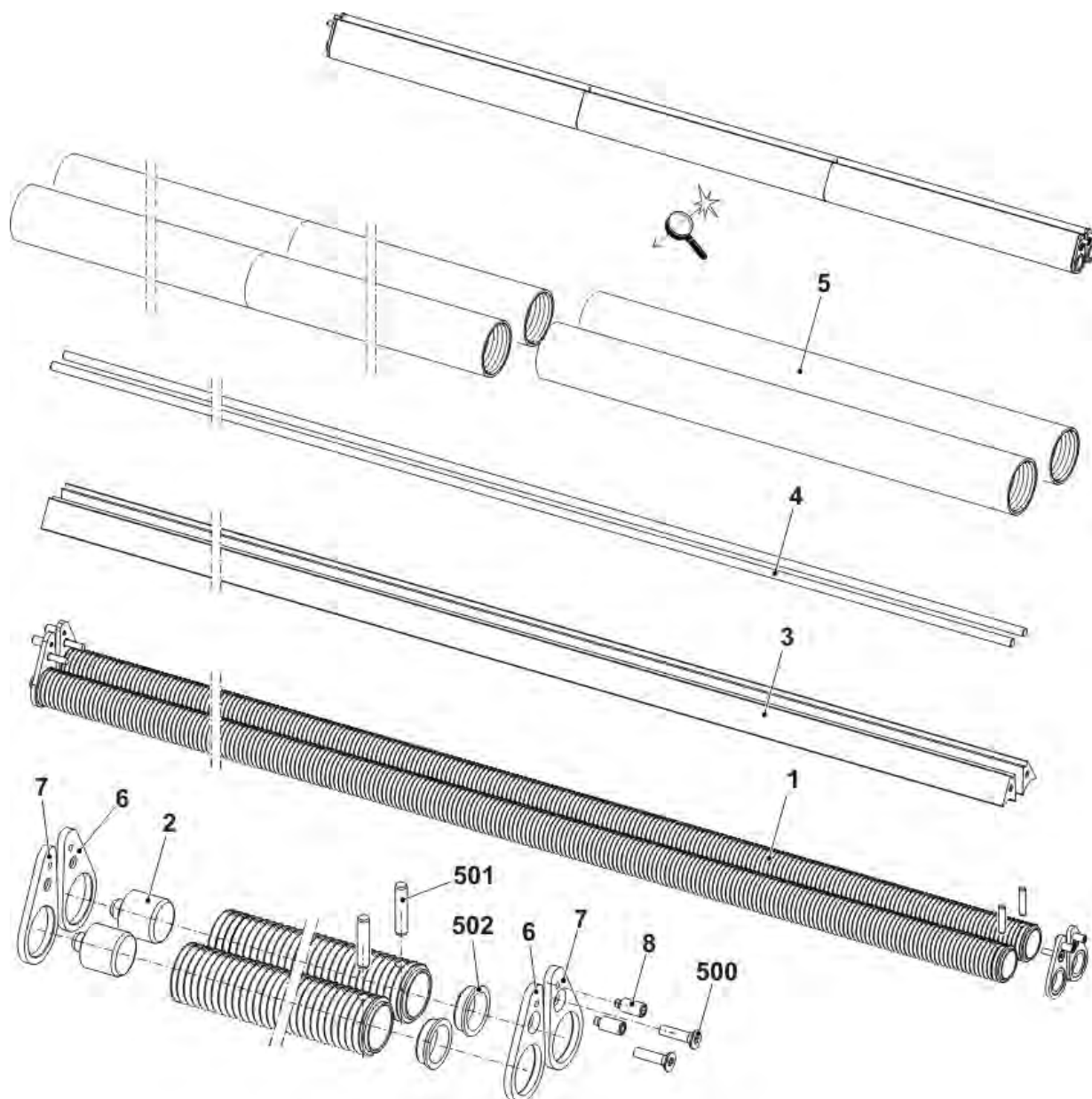
9.1 Belt Take-Down

Pos	Designation	Id	Pos	Designation	Id
Σ	Belt take-down				
1	Belt complete	265 973	16	Thread clamp	267 514
2	Drive unit complete	267 963	17	Cable between switch and winding plate BA	266 560
3	Gear unit complete	265 979	500	Cap screw M6x16	020 135
4	Left support complete	265 982	501	Washer 6	020 872
5	Winding guard complete	265 985	502	Cap screw M6x25	023 335
9	Adapter yarn brake	236 177	503	Countersunk screw M6x14	266 777
10	Yarn brake on the right E12-18	265 657	504	Feather key 6x6x20	265 788
11	Yarn brake on the left E12-18	265 691	506	Cap screw M6x8	023 532
12	Coupling	265 693	507	Cap screw M8x25	023 563



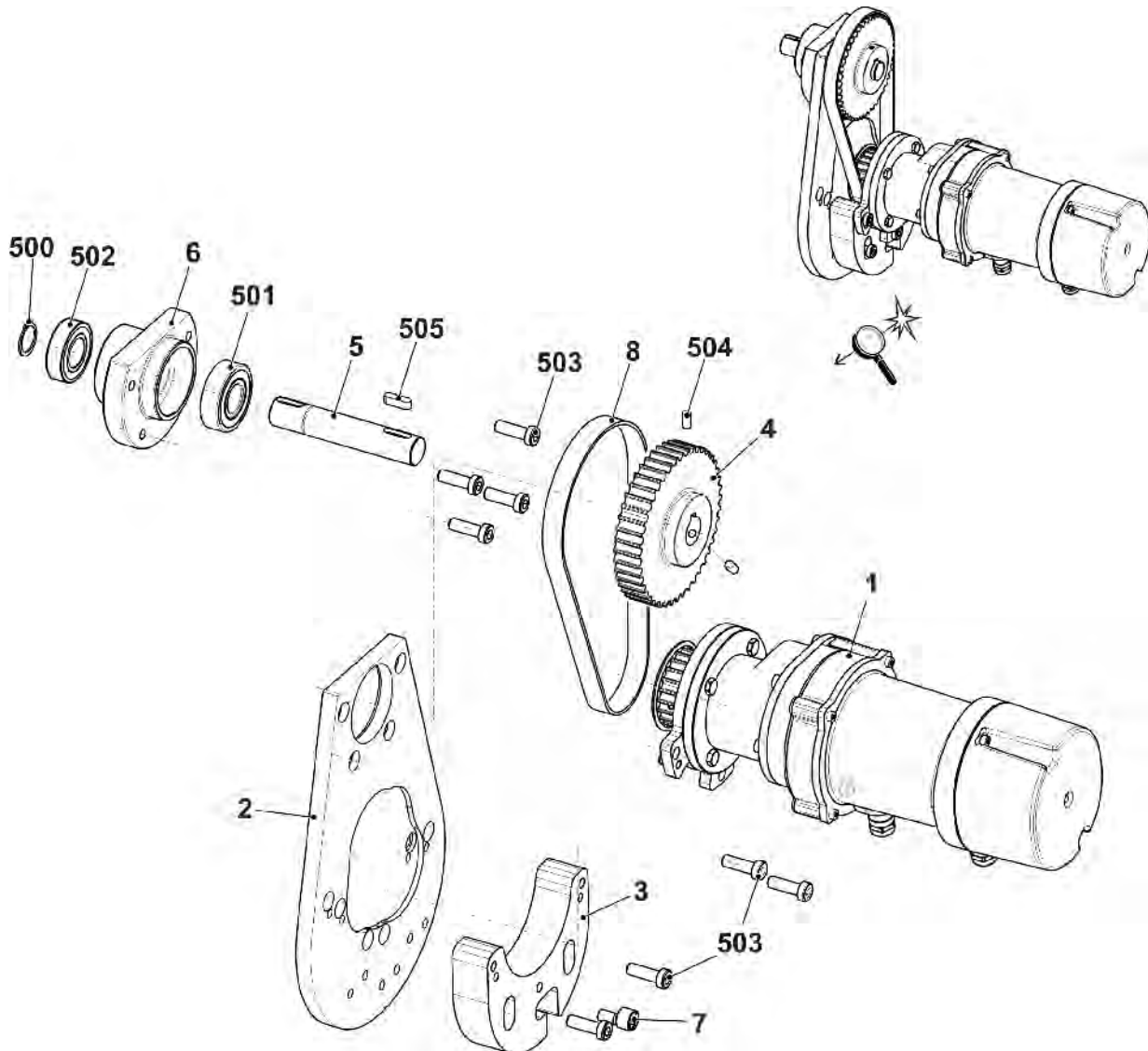
9.2 Belt

Pos	Designation	Id	Pos	Designation	Id
Σ	Belt complete	265 973	6	Casing cap at the right	266 382
1	Drive shaft	265 607	7	Casing cap at the left	266 383
2	Bolts	265 633	8	Support	265 630
3	Support body	265 608	500	Screw 50x20	263 540
4	Deflection rod	265 609	501	Dowel pin 6x28	265 784
5	Belt	265 582	502	Slide bearing	266 772



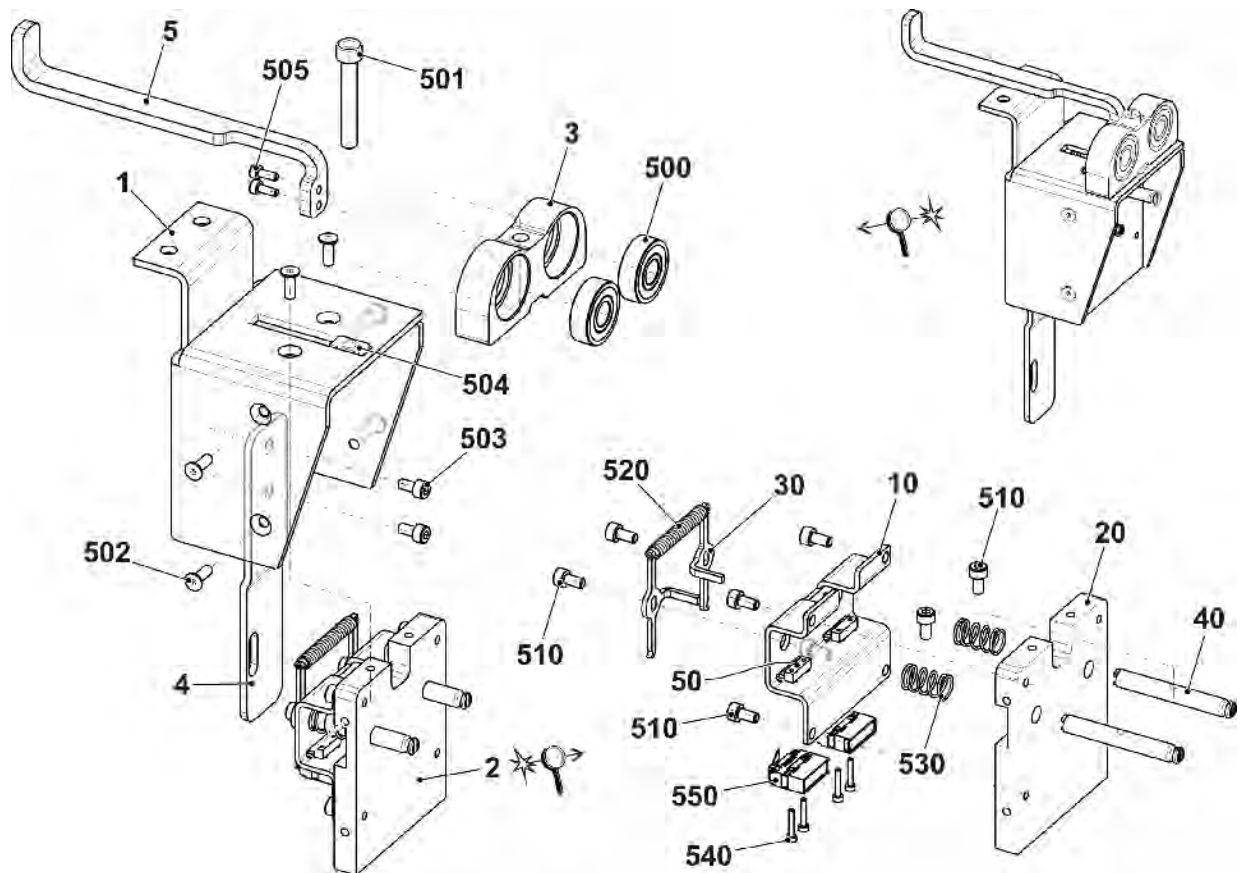
9.3 Drive unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	267 963			
1	Motor complete	267 626	8	Toothed belt 560	265 738
2	Plate at the top	266 818	500	Retaining ring 20x1,2	020 956
3	Motor support	266 819	501	Grooved ball bearing 6204-2RS	022 848
4	Timing belt pulley 44-HTD8M	265 624	502	Grooved ball bearing 6004-2RS	236 089
5	Shaft	265 634	503	Cap screw M8x25	023 563
6	Flange	266 820	504	Setscrew M16x12	023 898
7	Eccentric	266 612	505	Feather key 6x6x20	265 788



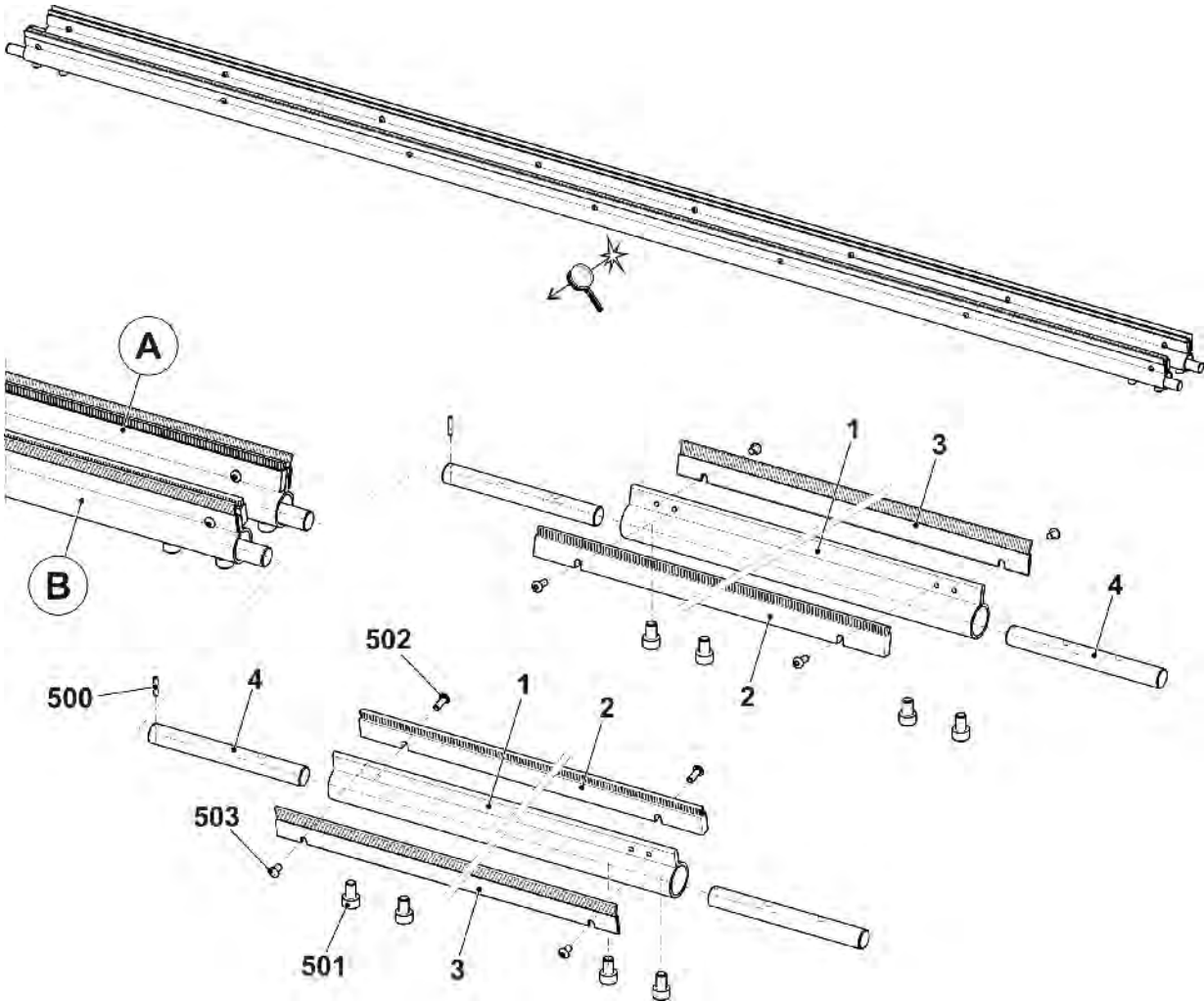
9.4 Support on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Left support complete	265 982			
1	Support angle	266 417	540	Cap screw M2x12	023 522
2	Switch component complete	265 981	550	Switch of Winding PlateBA	266 613
10	Support on the left	266 821	3	Support	266 418
20	Screw-on plate	266 419	4	Holding angle at the left	265 704
30	Switch plate	266 822	5	Bearing strip at the top complete	266 825
40	Operating shaft	266 823	500	Grooved ball bearing 6000-2Z	022 599
50	Tension bar	266 824	501	Cap screw M6x40	020 140
510	Cap screw M4x8	022 501	502	Countersunk screw M4x12	023 062
520	Tension spring	023 308	503	Cap screw M5x8	023 319
530	Compression spring	023 464	504	NutM6x8	265 785
			505	Cap screw M3x8	022 582



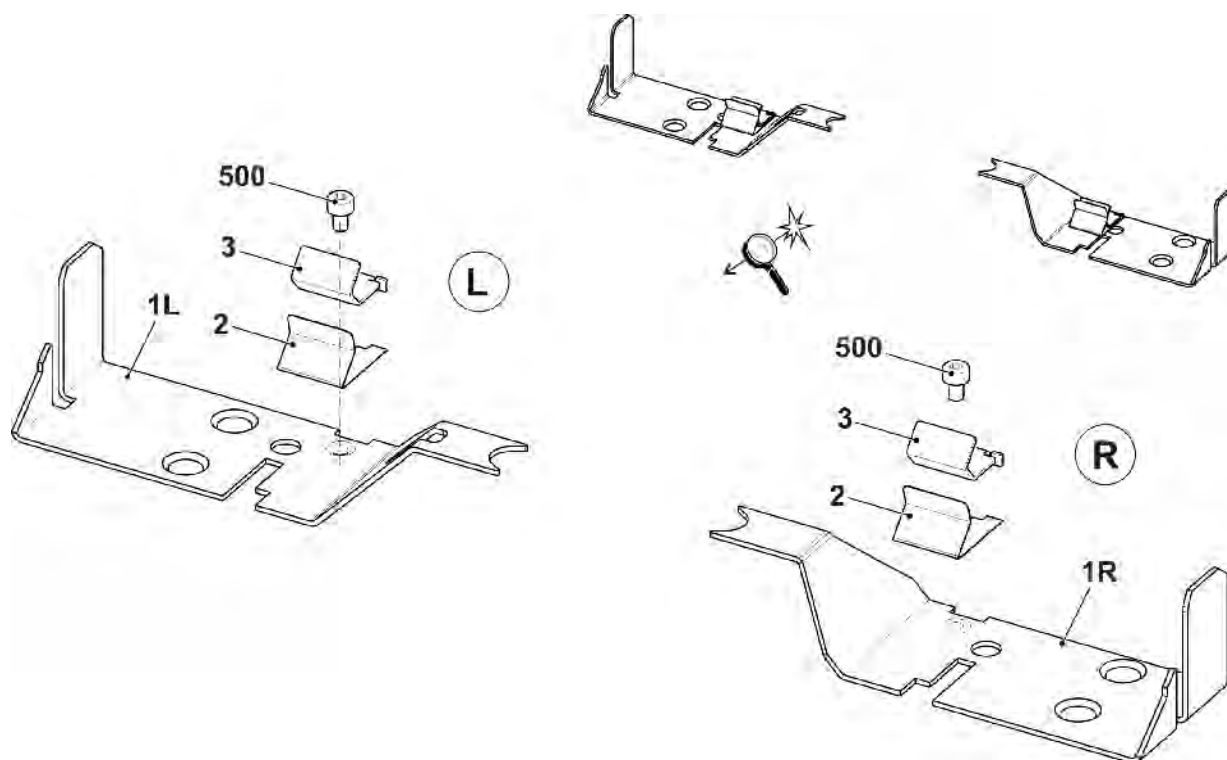
9.5
Winding guard

Pos	Designation	Id	Pos	Designation	Id
Σ	Winding guard complete	265 985			
A	Stripping angle at the rear complete	265 983	4	Shaft	265 697
B	Stripping angle in the front complete	265 984	500	Dowel pin2x10	266 722
1	Stripping angle	266 826	501	Cap screw M5x8	023 319
2	Stripping brush	265 639	502	Pan head screw M3x5	023 530
3	Brush antistatic	265 645	503	Pan head screw M3x5	235 966

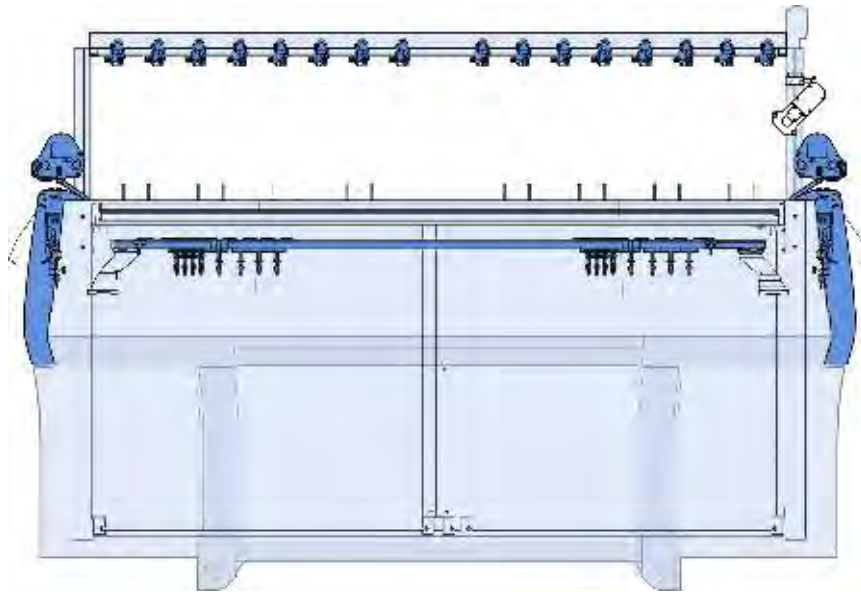


9.6 Yarn brakes

Pos	Designation	Id	Pos	Designation	Id
Σ L	Yarn brake on the left	265 691			
Σ R	Yarn brake on the right	265 657	2	Leaf spring	256 712
1L	Cover on the left	265 690	3	Test clamping plate	256 713
1R	Cover on the right	265 656	500	Cap screw M4x6	023 067

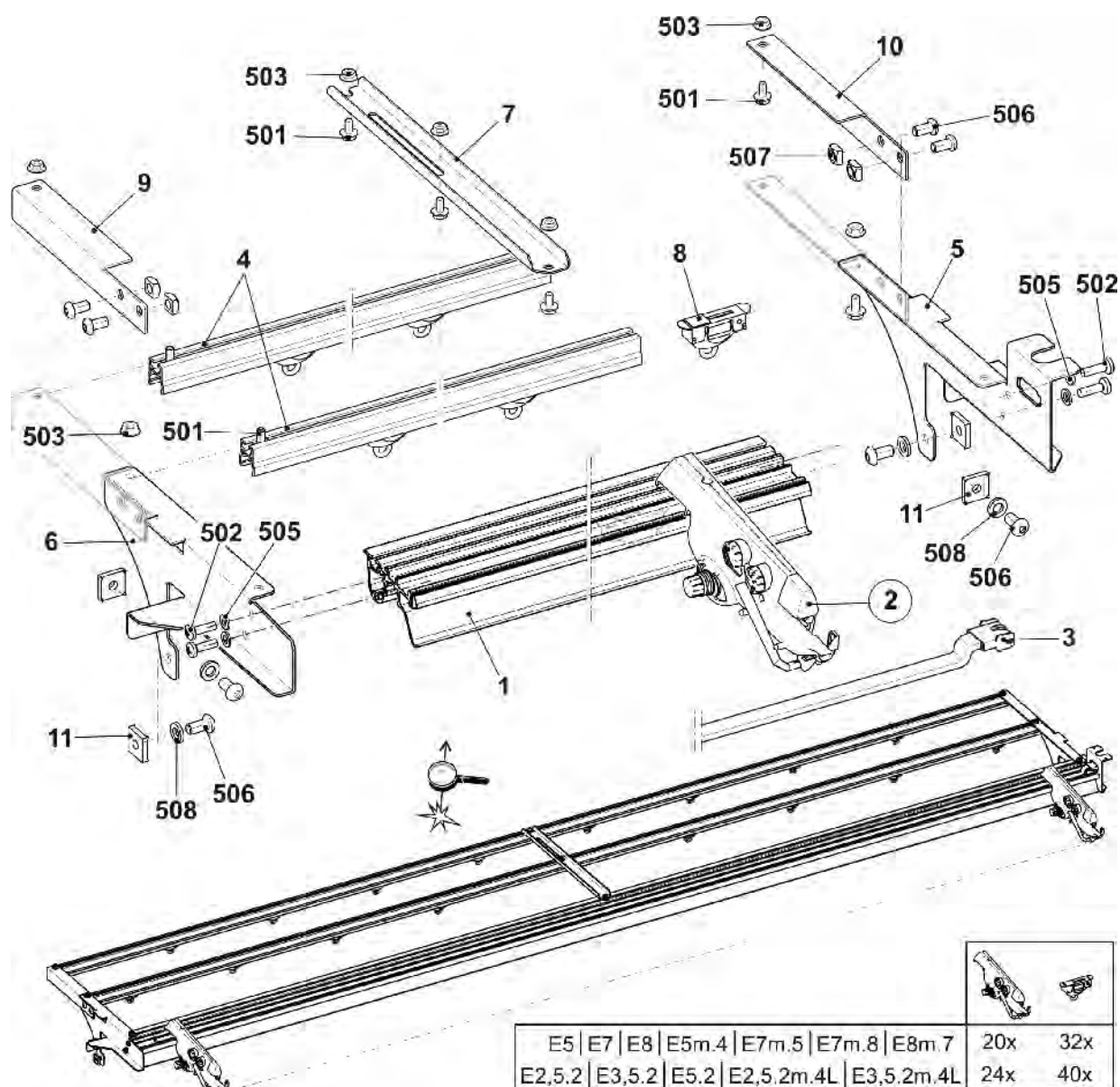


10 Yarn delivery device



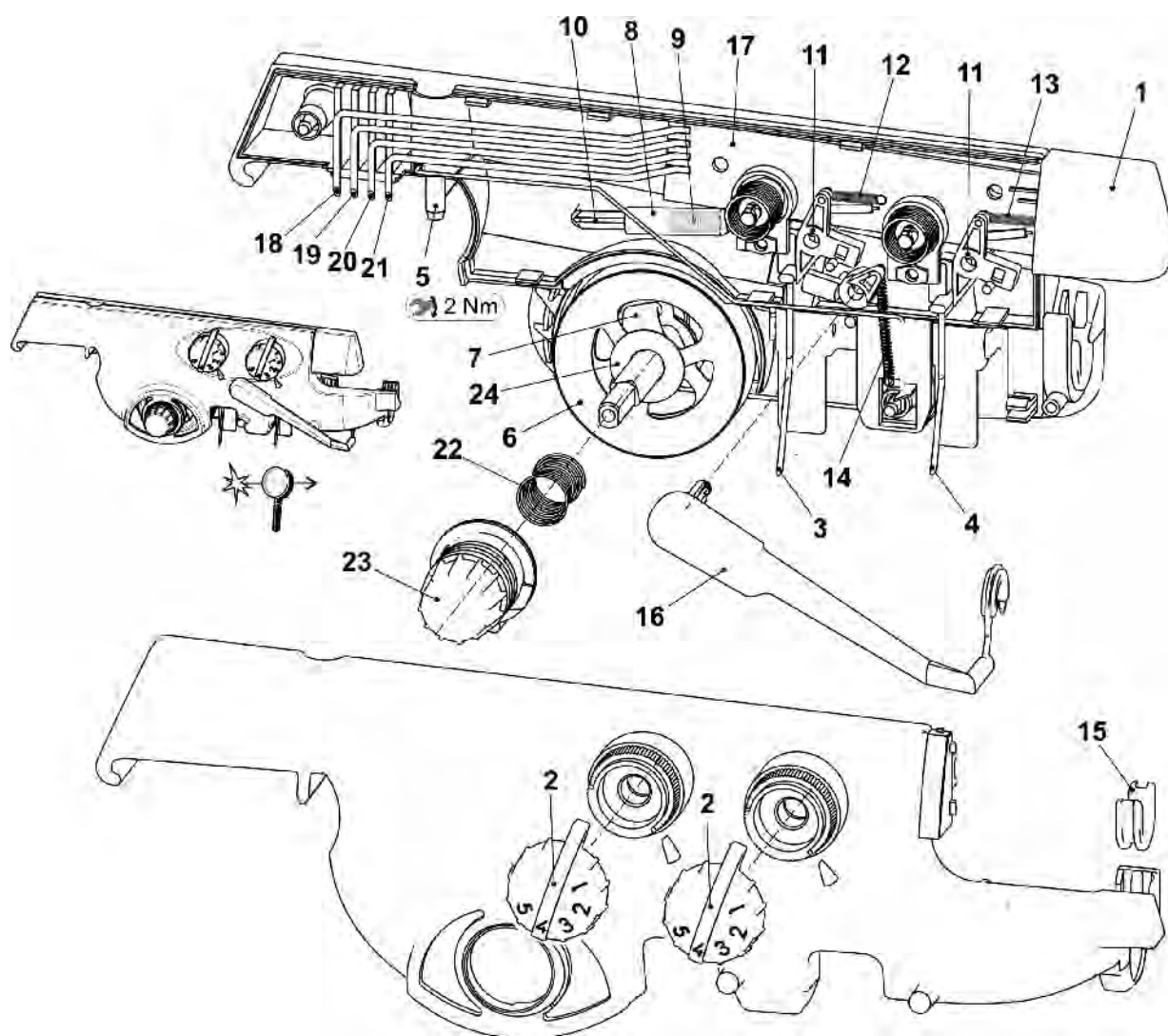
10.1 Yarn guide system with 20 and 24 FKE

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide device 20 FKE 50"	241 599	9	Support on the left	243 602
	Yarn guide device 24 FKE 50"	241 549	10	Support on the right	243 603
1	Support 50"	264 400	11	Slot nut	228 851
2	Yarn control device(FKE)	237 124	501	Self-locking screw M6x12	023 415
3	Connection cable FKE 50" BM ECO	254 056	502	Screw M6x20	023 721
4	Yarn guide bar50"	240 324	503	Serrated nut M6-10	023 414
5	Support on the right	264 519	505	Washer 6	022 431
6	Support on the left	264 518	506	Pan-head screw M8x16	023 113
7	Straps	264 520	507	Square nut M8	023 269
8	Yarn guide bracket complete	241 581	508	Serrated lock washer	023 388



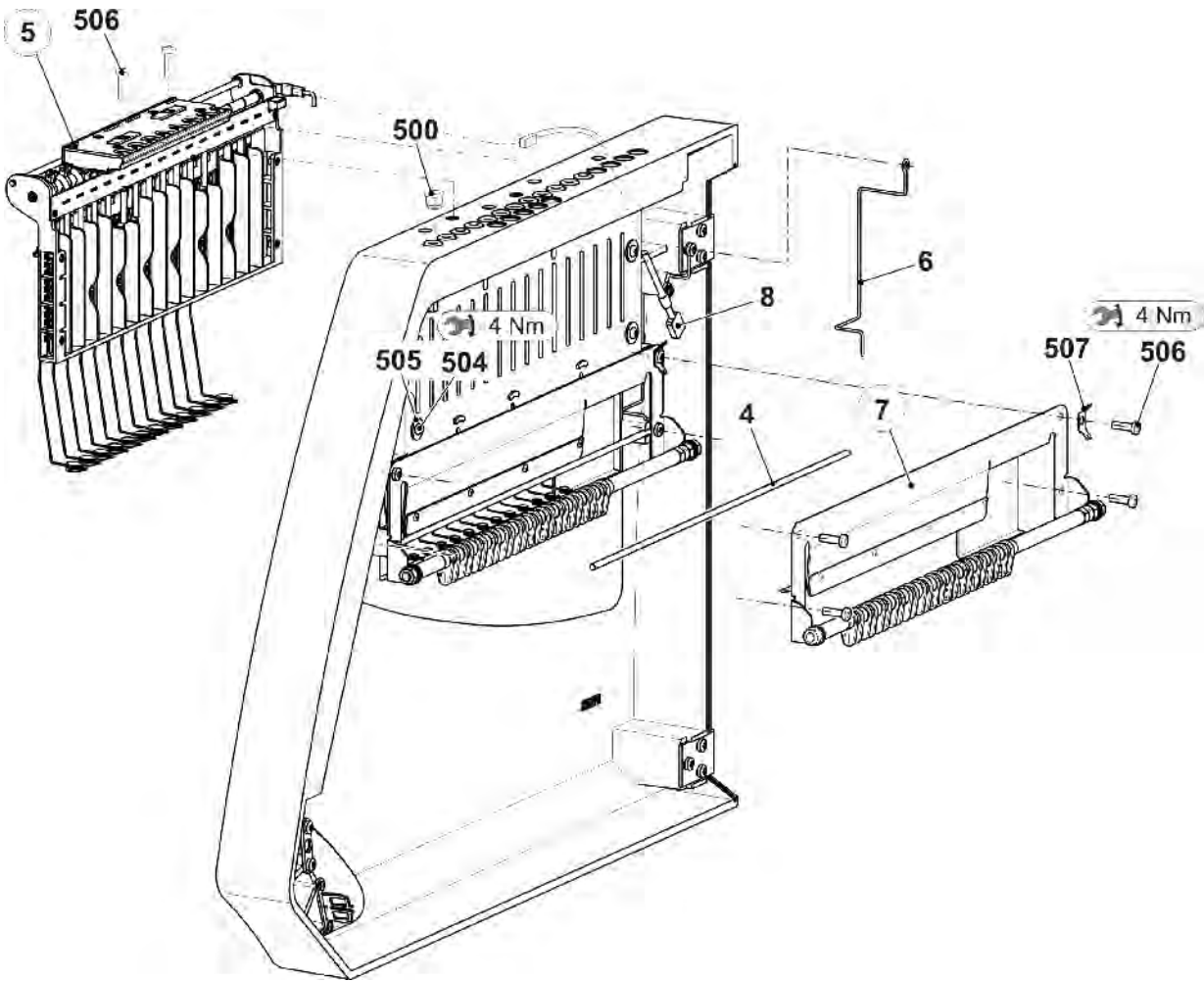
10.2 Yarn control device

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn control device	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



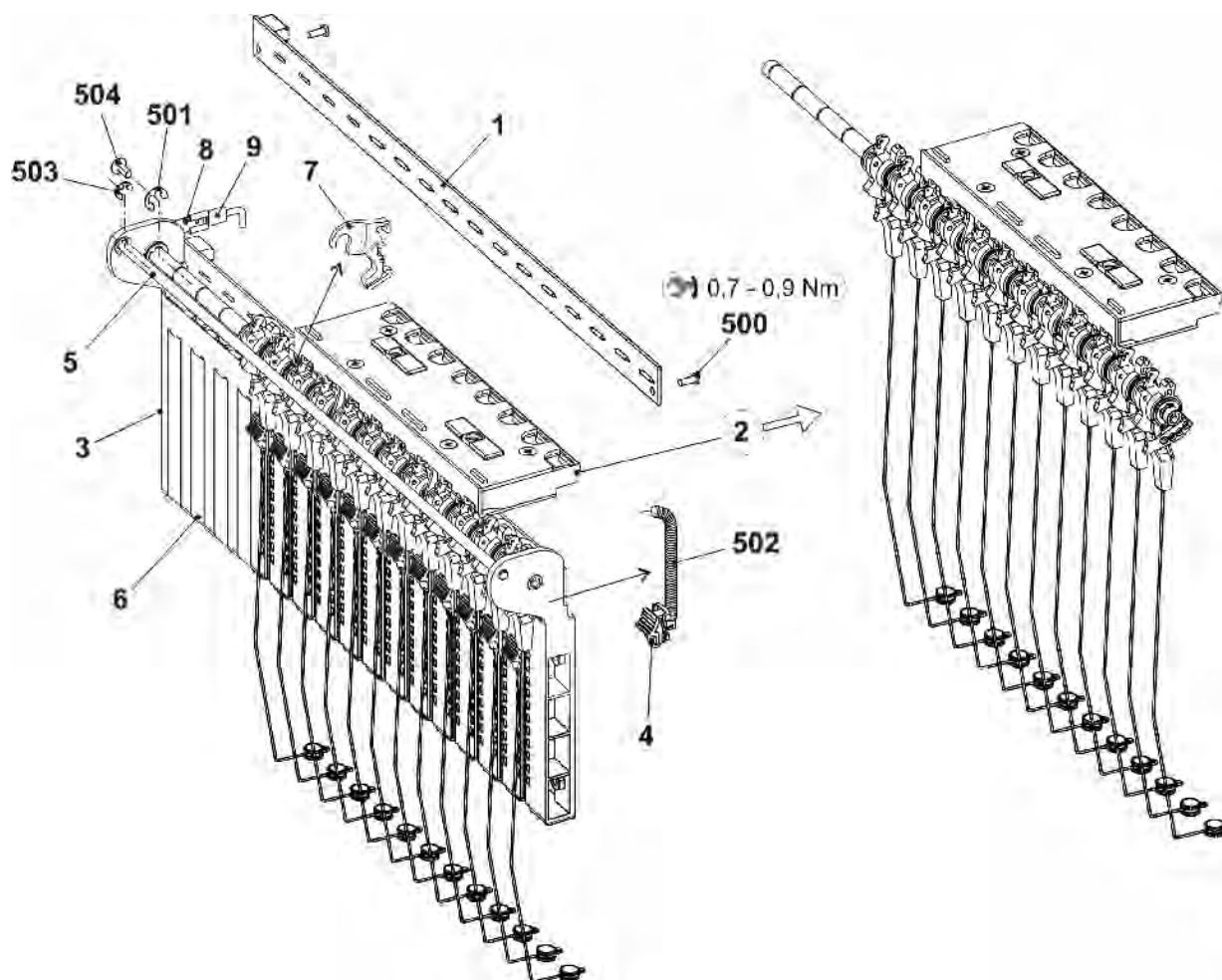
10.3 Left yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete				
	E5 E5m.4 E7m.5 E2,5.2 E2,5.2m.4L E3,5.2 E3,5.2m.4L E5.2	265 328	7	Yarn deflector on the left complete	265 285
	E7 E8	265 329	8	Connection cable yarn tensionerokc	240 808
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the left complete		504	Pan head screw M5x16	265 377
	E5 E5m.4 E7m.5 E2,5.2 E2,5.2m.4L E3,5.2 E3,5.2m.4L E5.2	241 363	505	Washer 5,3x18x1,5	020 909
	E7 E8	241 364	506	Screw 6x20	265 379
6	Wire bow on the left	265 052	507	Flat connector 2x45° M6	243 117



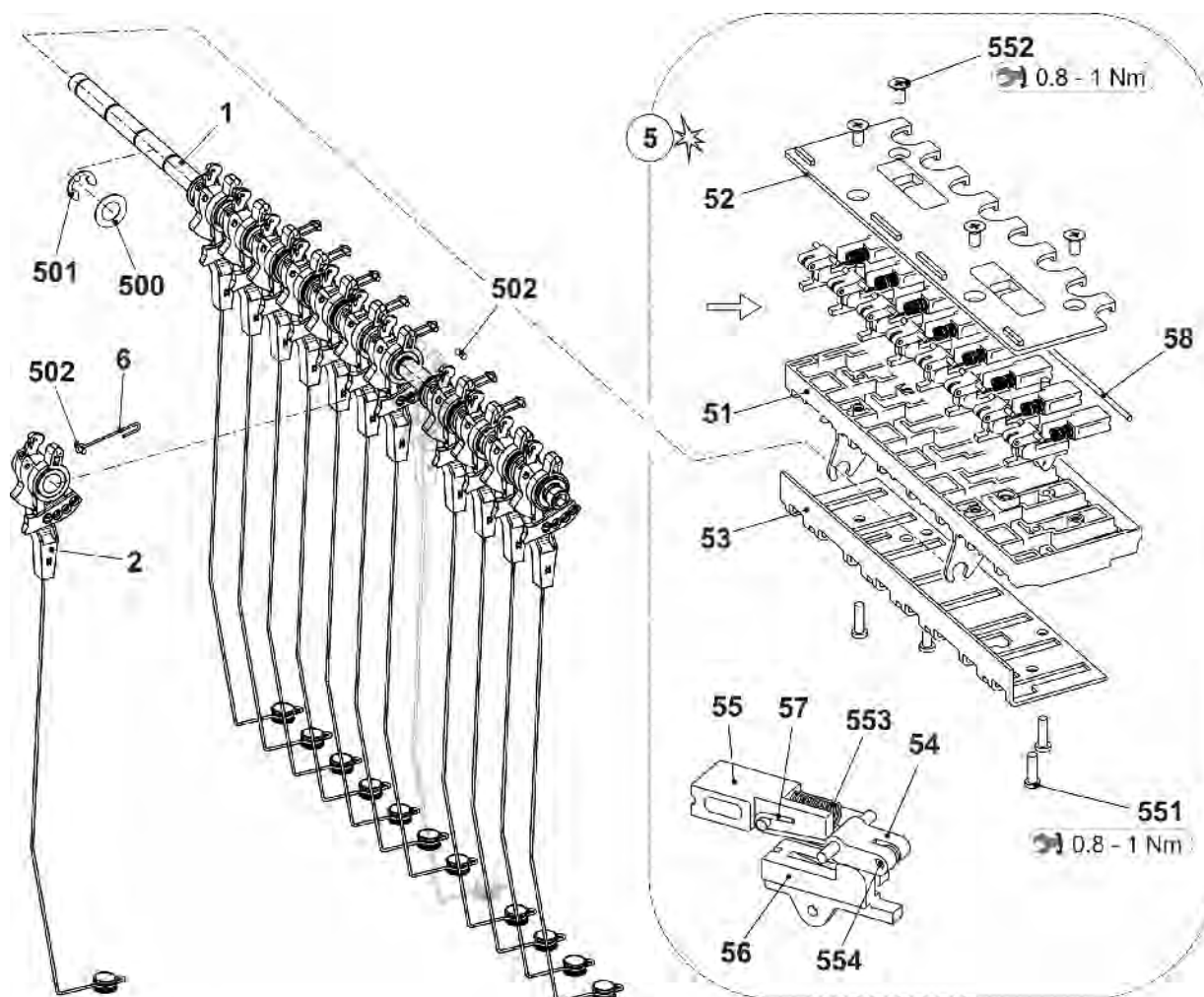
10.3.1 Left yarn tensioner

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn tensioner on the left complete		7	Spacer	242 048
	E5 E5m.4 E7m.5 E2,5.2 E2,5.2m.4L E3,5.2 E3,5.2m.4L E5.2	241 363	8	Grounding plate of tension axle	243 121
	E7 E8	241 364	9	Ground cable yarn tensioner okc	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	241 366	501	Circlip	021 022
3	Housing	241 367	502	Tension spring 5,05x0,55x53 E5 E5m.4 E7m.5 E2,5.2 E2,5.2m.4L E3,5.2 E3,5.2m.4L E5.2 Tension spring 4,9x0,5x53 E7 E8	023 502 023 503
4	Slider	241 694	503	Circlip	021 020
5	Stop point	241 368	504	Countersunk screw M4x10	241 914
6	Border	242 268			



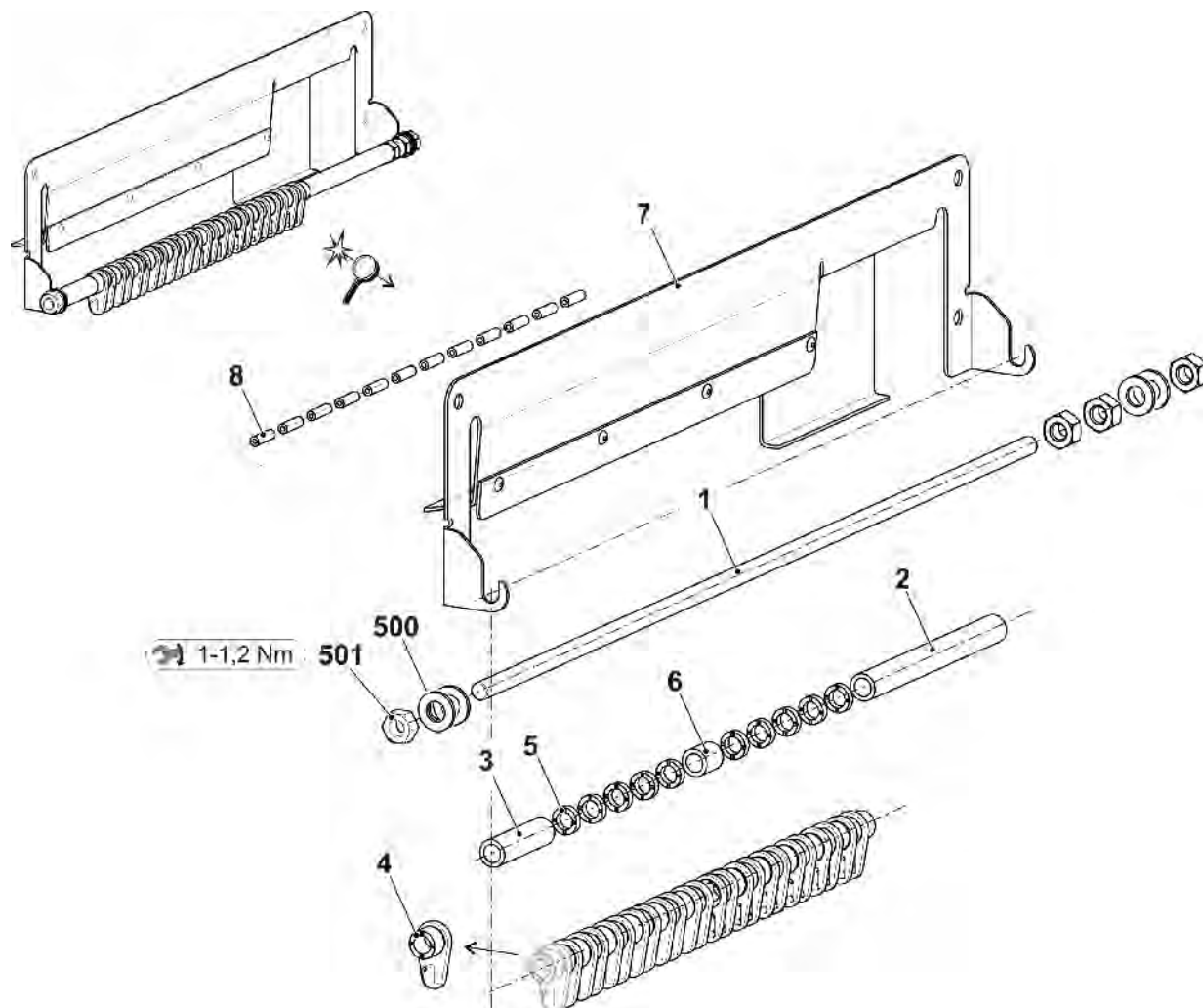
10.3.2 Left tension axle

Pos	Designation	Id	Pos	Designation	Id
Σ	Tension axle on the left complete E3-6	241 366	56	SliderAKF	238 691
1	Axle	243 107	57	Wire bow	238 694
2	Tension arm pre-assembledE3-8	259 448	58	Wire	237 940
6	Wire bow	238 694	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	HousingAKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172
53	Sheet metal at the bottom (housing AKF)	240 719	500	Shim ring 8x14x0,5	023 501
54	Lever AKF	238 692	501	Circlip	021 022
55	Pressure piece AKF	238 690	502	Grooved pin 2x6	243 172



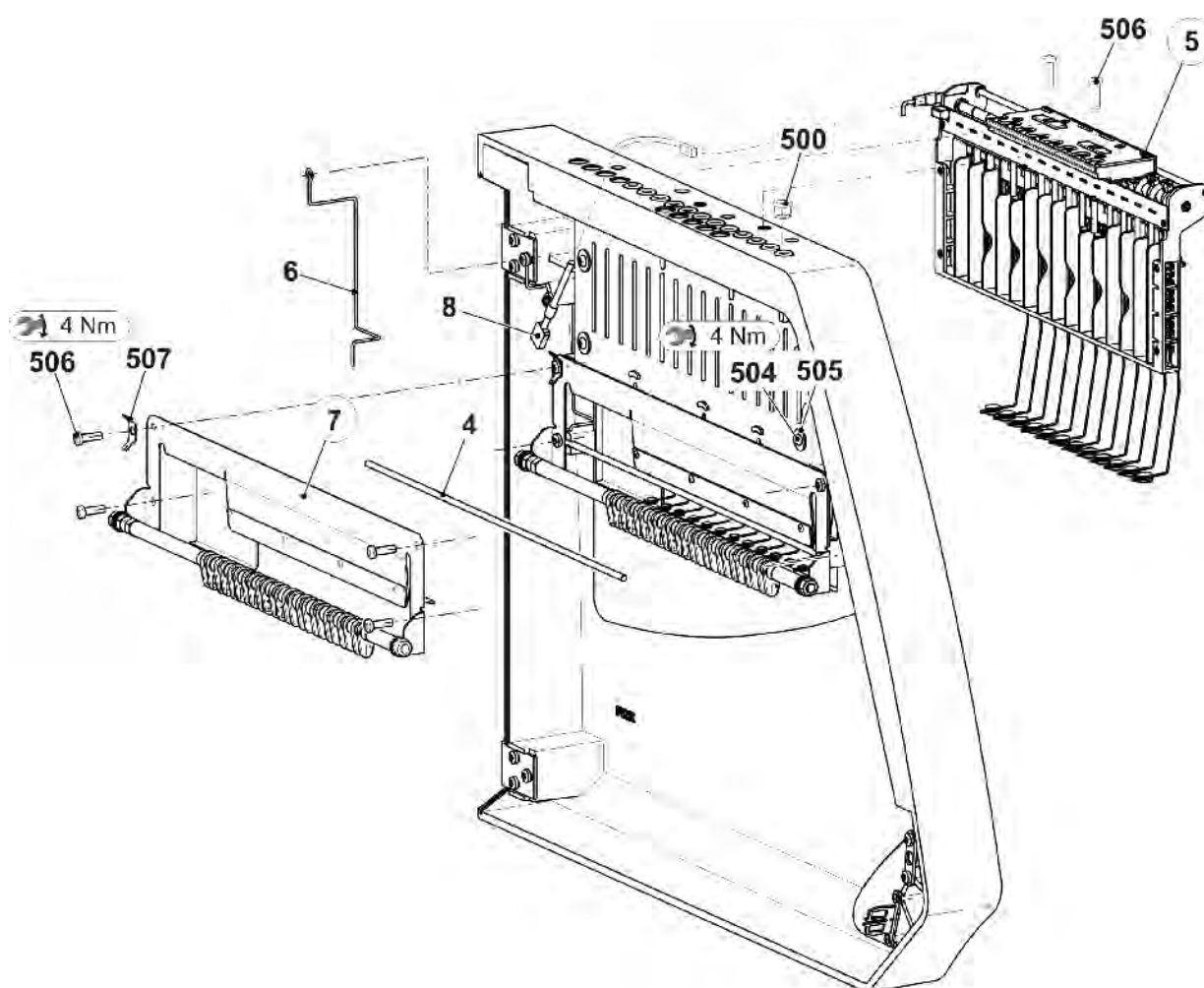
10.3.3 Yarn deflector on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the left complete	265 285	5	Distance bushingE3-4	262 445
1	Axle	265 284	6	Distance bushing	264 997
2	Threaded spacer	265 282	7	Stop plate left complete	265 276
3	Threaded spacer	265 283	500	Washer 8	022 854
4	Yarn Carriers MH10 E3-4	262 391	501	Hexagon nut M8-6	261 011



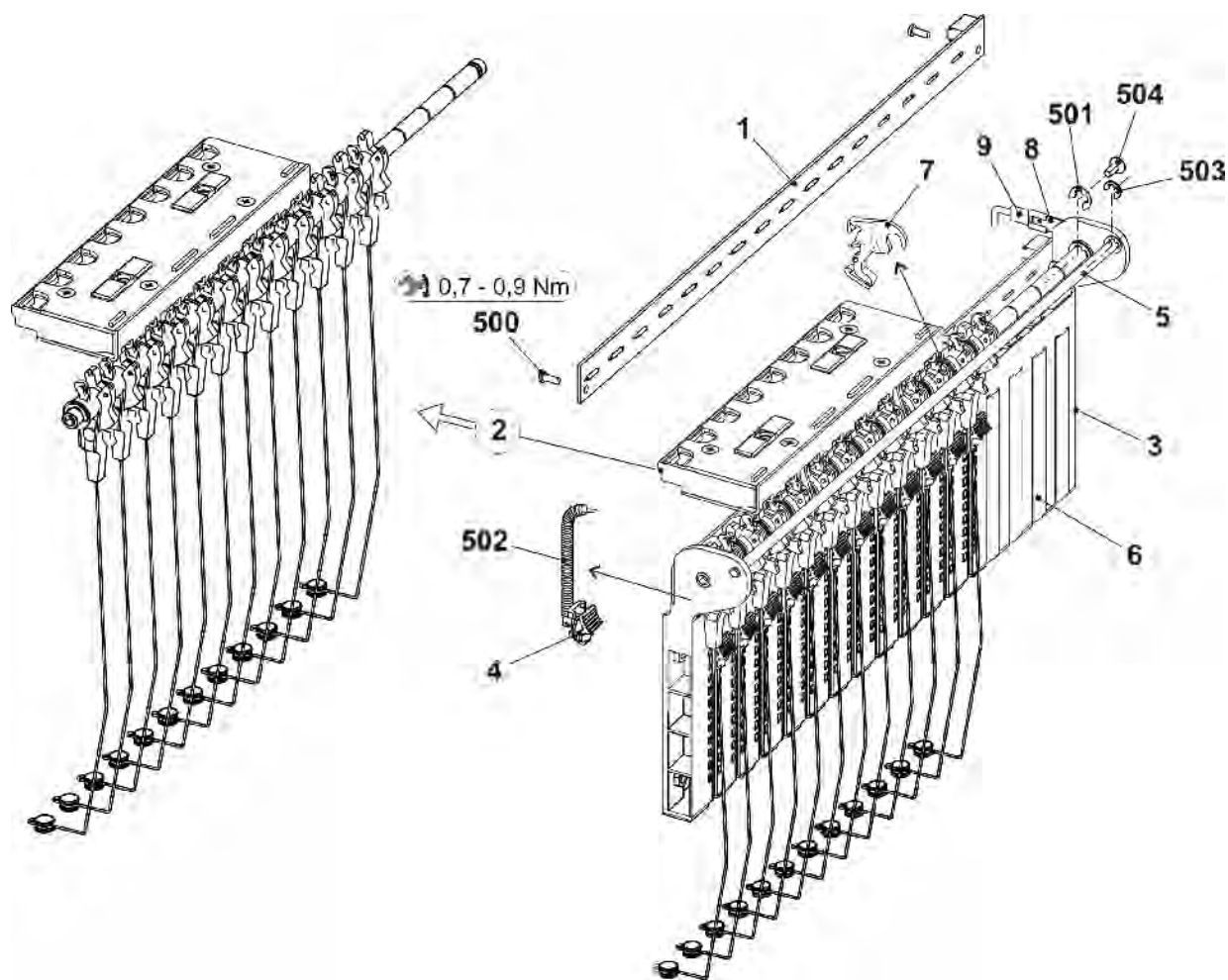
10.4 Right yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete				
	E5 E5m.4 E7m.5 E2,5.2 E2,5.2m.4L E3,5.2 E3,5.2m.4L E5.2	265 331	7	Yarn deflector on the right complete	265 356
	E7 E8	265 332	8	Connection cable yarn tensionerokc	240 808
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the right complete		504	Pan head screw M5x16	265 377
	E5 E5m.4 E7m.5 E2,5.2 E2,5.2m.4L E3,5.2 E3,5.2m.4L E5.2	241 382	505	Washer 5,3x18x1,5	020 909
	E7 E8	241 383	506	Screw 6x20	265 379
6	Wire bow on the right	265 053	507	Flat connector 2x45° M6	243 117



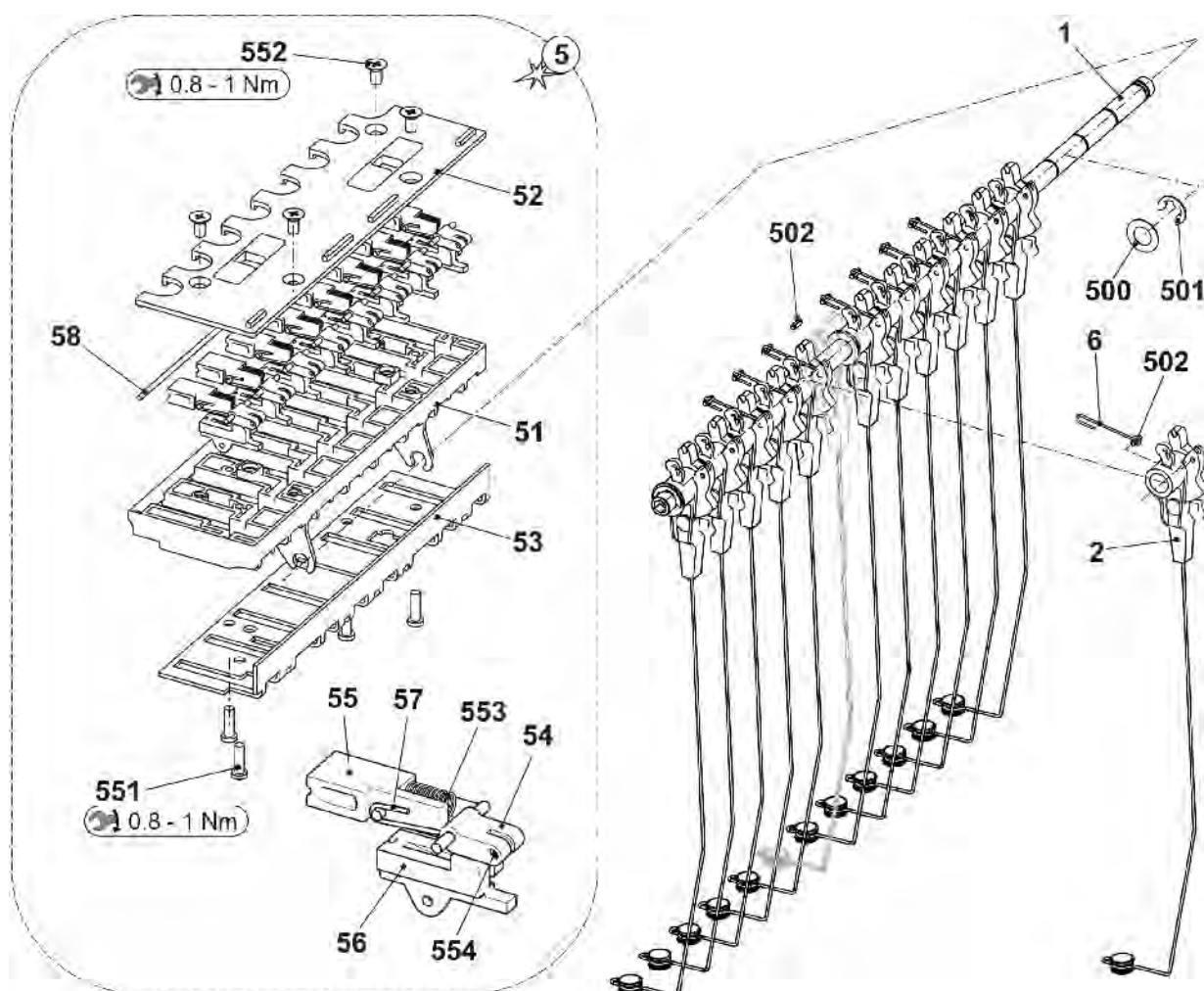
10.4.1 Right yarn tensioner

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn tensioner on the right complete		7	Spacer	242 048
	E5 E5m.4 E7m.5 E2,5.2 E2,5.2m.4L E3,5.2 E3,5.2m.4L E5.2	241 382	8	Grounding plate of tension axle	243 121
	E7 E8	241 383	9	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the right	241 346	500	Screw KB 30x8	236 228
2	Tension axle on the right complete	241 379	501	Circlip	021 022
3	Housing	241 367	502	Tension spring 5,05x0,55x53 E5 E5m.4 E7m.5 E2,5.2 E2,5.2m.4L E3,5.2 E3,5.2m.4L E5.2	023 502
4	Slider	241 694		Tension spring 4,9x0,5x53 E7 E8	023 503
5	Stop point	241 368	503	Circlip	021 020
6	Border	242 268	504	Countersunk screw M4x10	241 914



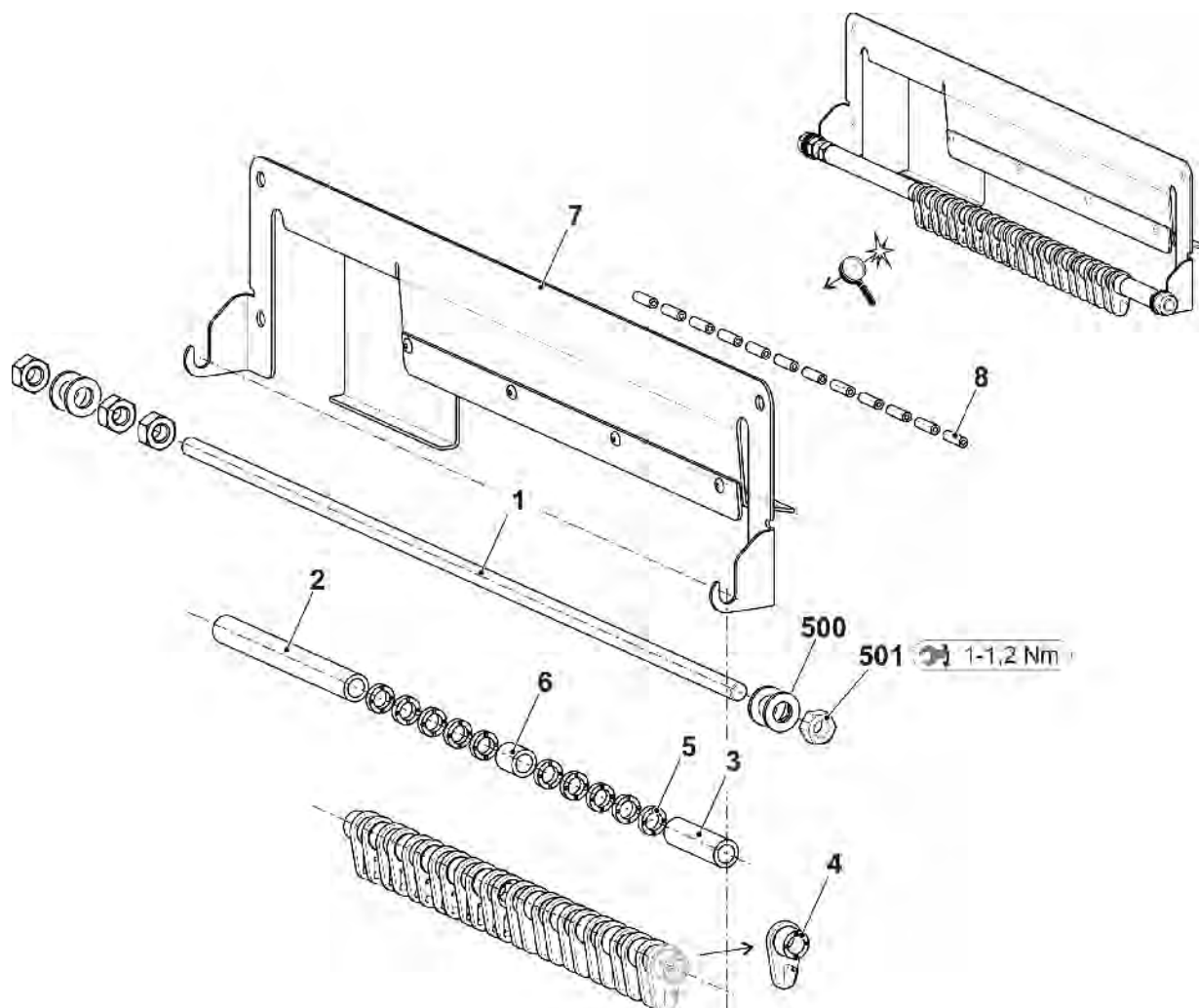
10.4.2 Right tension axle

Pos	Designation		Id. no.	Pos	Designation		Id. no.
Σ	Tension axle on the right completeE3-8		241 379		56	SliderAKF	238 691
1	Axle		243 107		57	Wire bow	238 694
2	Tension arm pre-assembledE3-8		259 448		58	Wire	237 940
6	Wire bow		238 694		551	Screw KB 35x12	237 681
5	Thread clamp AKF		238 695		552	Screw KB 40x8	236 227
	51	HousingAKF	238 689		553	Compression spring 0,30x4,50x18,50	241 437
	52	Cover AKF	237 926	554	Grooved pin 2x6	243 172	
	53	Sheet metal at the bottom (housing AKF)	240 719	500	Shim ring 8x14x0,5	023 501	
	54	Lever AKF	238 692	501	Circlip	021 022	
55	Pressure piece AKF		238 690	502	Grooved pin 2x6		243 172



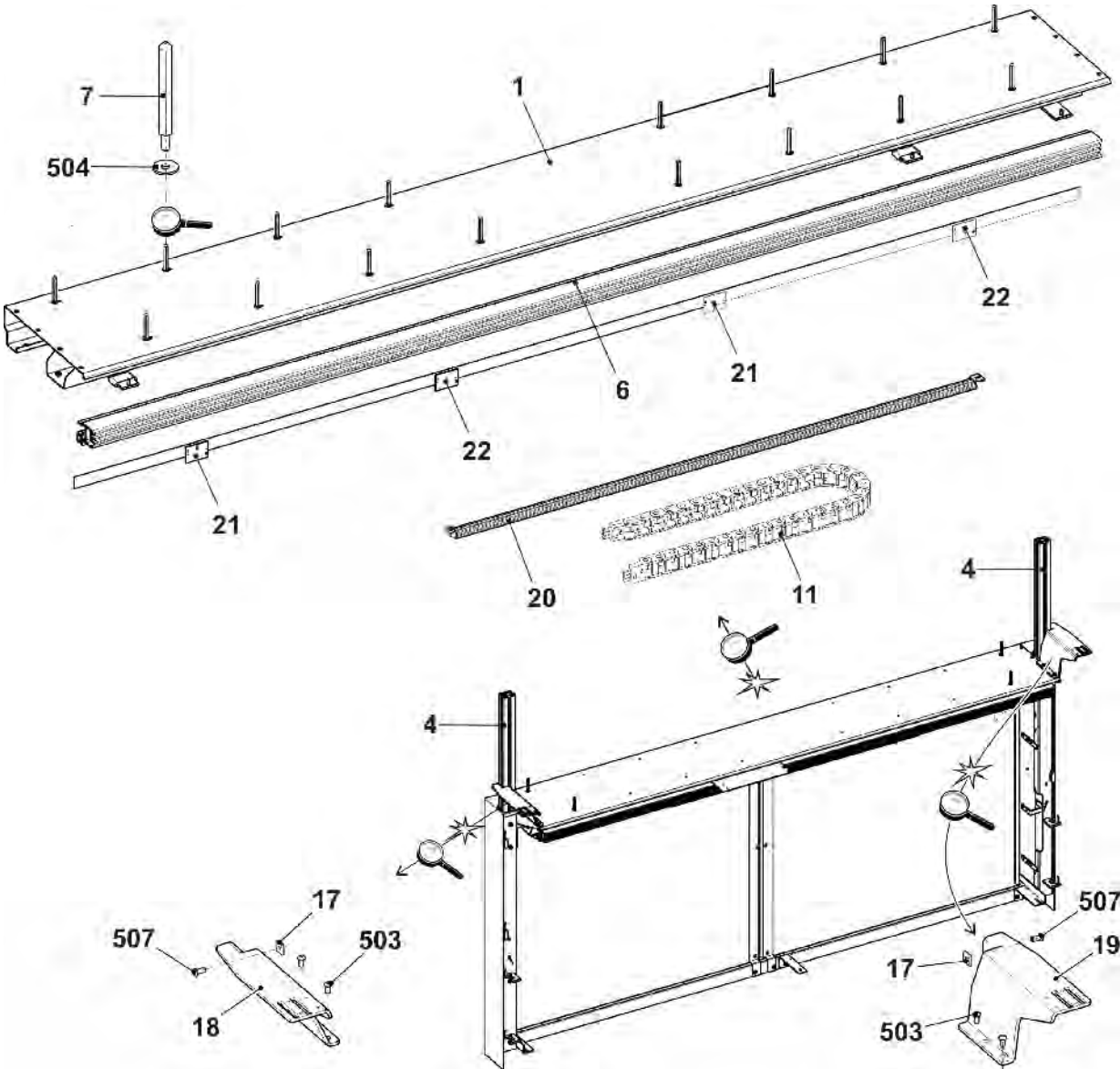
10.4.3 Yarn deflector on the right complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the right complete	265 356	5	Distance bushingE3-4	262 445
1	Axle	265 284	6	Distance bushing	264 997
2	Threaded spacer	265 282	7	Stop plate right complete	265 277
3	Threaded spacer	265 283	500	Washer 8	022 854
4	Yarn Carriers MH10 E3-4	262 391	501	Hexagon nut M8-6	261 011



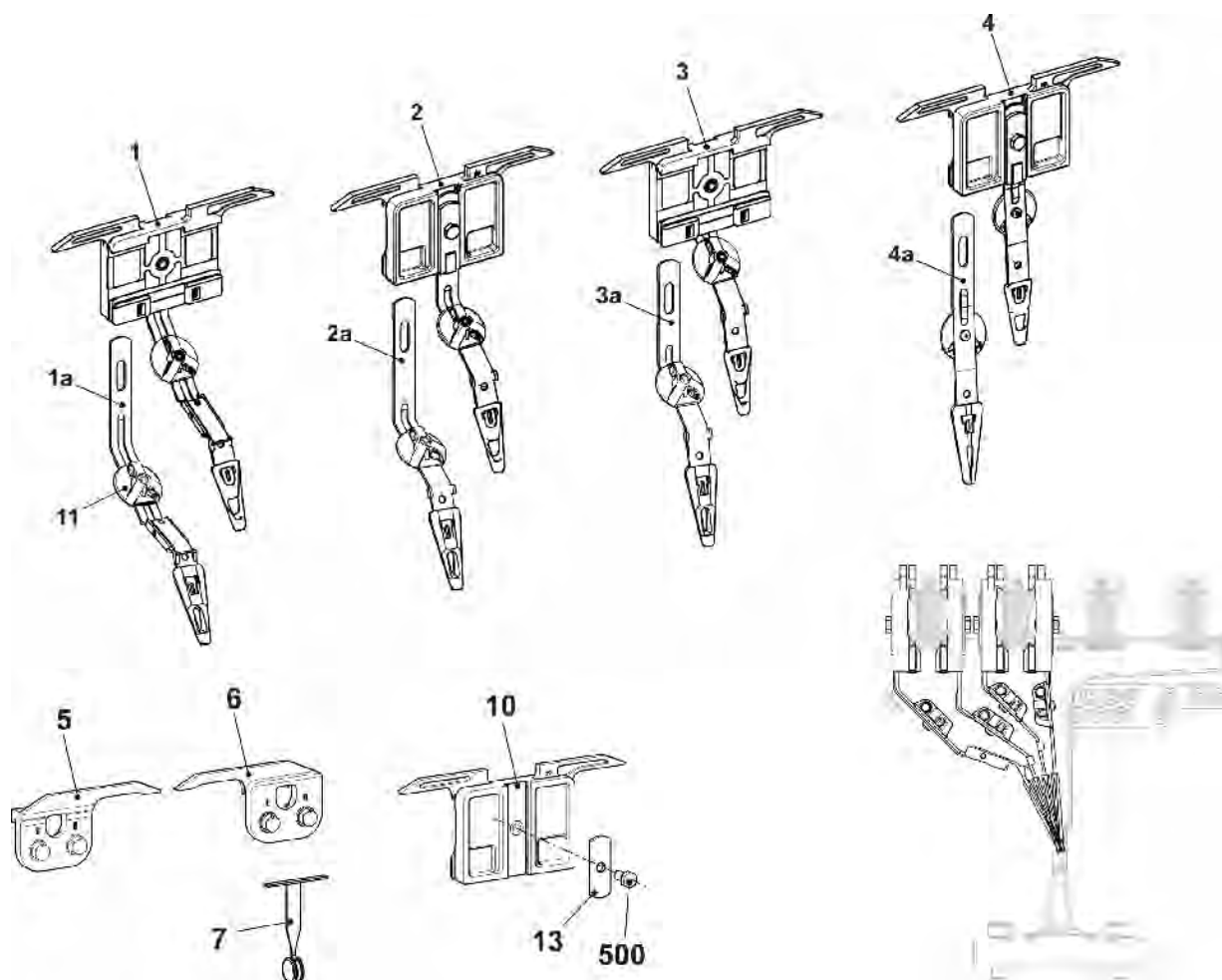
10.5 Bobbin board

Pos	Designation	Id	Pos	Designation	Id
Σ	Table complete50"	265 824			
1	Table	251 244	19	Support of left feed wheel	264 453
4	Support element	228 594	20	Lamp LED complete	264 759
6	Guide rail at the top complete	264 763	21	Card safety door switch outside	264 696
7	Positioning pin	204 819	22	Card safety door switch middle	264 695
11	Energy chain display 38 links	253 888	503	Pan head screw M8x16	023 113
17	Slot nut	228 851	504	Washer 5	020 901
18	Support of right feed wheel	264 454	507	Pan head screw M8x18	251 331



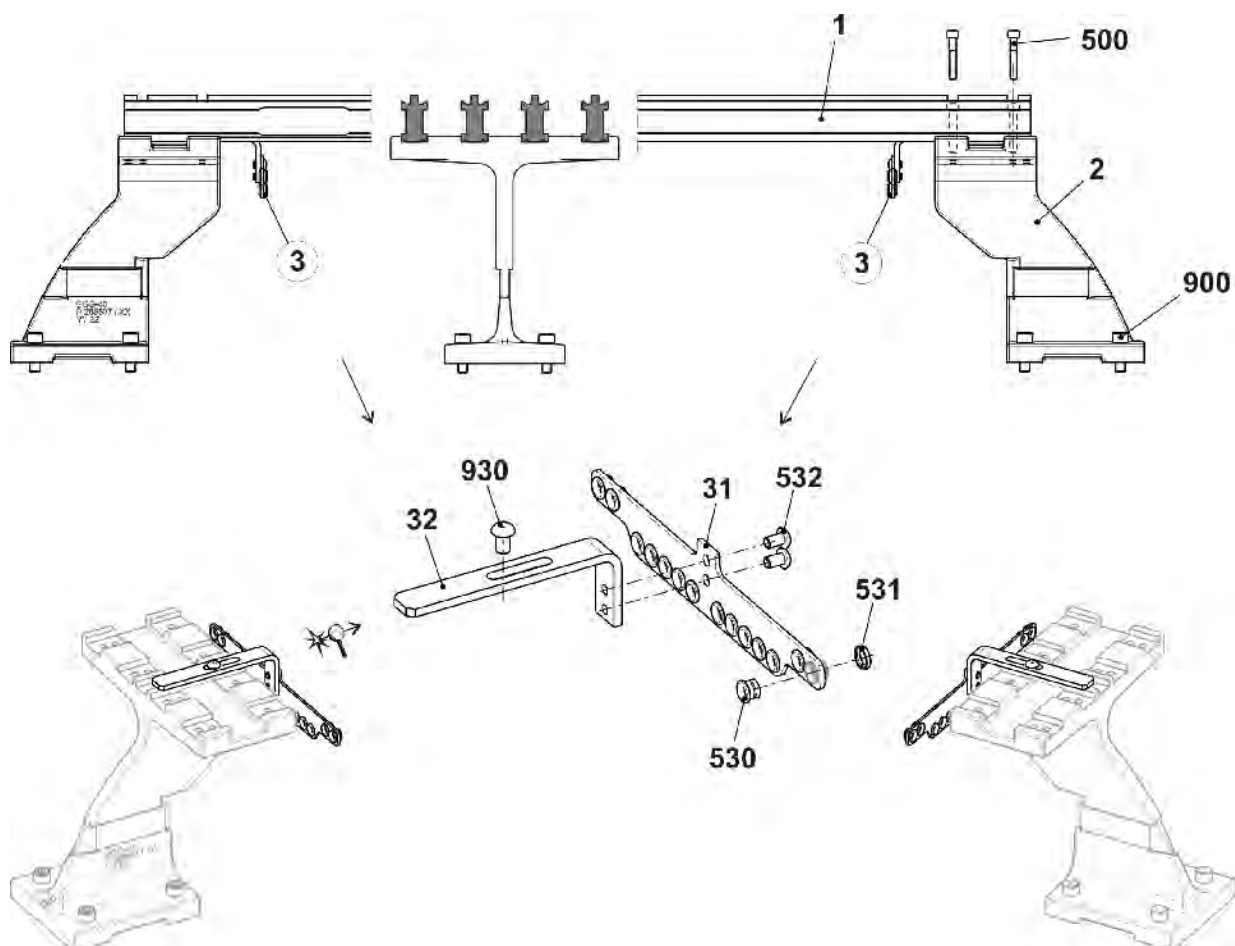
10.6 Yarn guide complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete				
	E5 E5m.4 E7m. 5 E2,5.2 E3,5.2 E5.2 E2,5.2m. 4L E3,5.2m.4L	244 007			
	E7 E8	244 008			
	E5 E5m.4 E7m.5 E2,5.2 E3,5.2 E5.2 E2,5.2m. 4L E3,5.2m.4L			E5 E5m.4 E7m.5 E2,5.2 E3,5.2 E5.2 E2,5.2m. 4L E3,5.2m.4L	
1	FF carriage 1+8 complete E5	243 935	1a	FF bow 1+8 complete E5	212 990
2	FF carriage 2+7 complete E5	243 934	2a	FF bow 2+7 complete E5	212 992
3	FF carriage 3+6 complete E5	243 933	3a	FF bow 3+6 complete E5	212 991
4	FF carriage 4+5 complete E5	243 932	4a	FF bow 4+5 complete E5	212 993
E7 E8			E7 E8		
1	FF carriage 1+8 complete E7-8	243 939	1a	FF bow 1+8 complete E7-8	212 892
2	FF carriage 2+7 complete E7-8	243 938	2a	FF bow 2+7 complete E7-8	212 914
3	FF carriage 3+6 complete E7-8	243 937	3a	FF bow 3+6 complete E7-8	212 925
4	FF carriage 4+5 complete E7-8	243 936	4a	FF bow 4+5 complete E7-8	212 910
All gauges			All gauges		
5	Limiter on the left complete	244 099	11	Yarn guide star complete	209 257
6	Limiter on the right complete	244 098	13	Shim	213 035
7	Slider with eyelet	230 709	500	Hexagon screw M5x10	020 351
10	FF carriage complete	243 062			



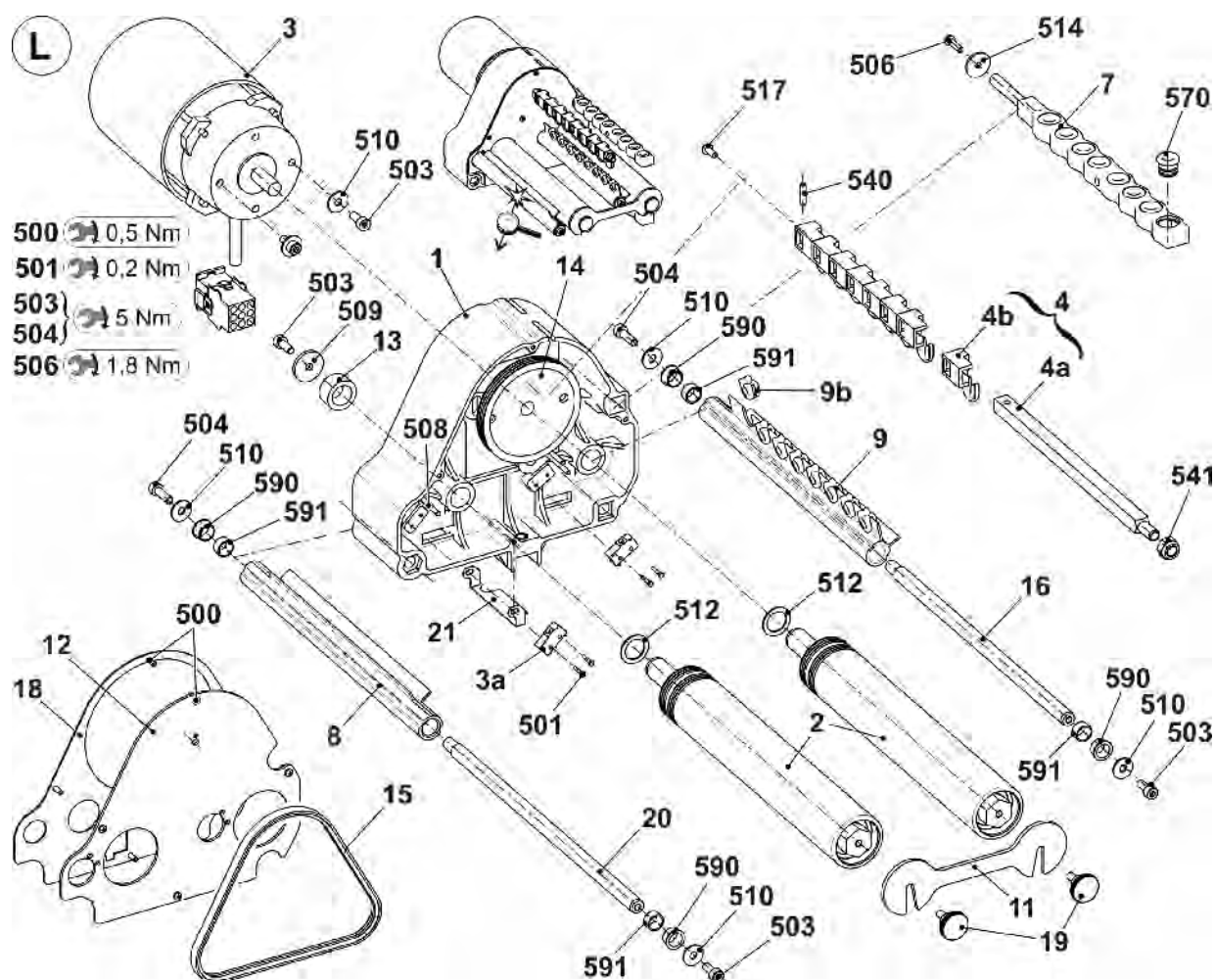
10.7 Bar unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Bar unit	250 971			
1	Yarn carrier rail	255 464	530	Eyelet 4,2	021 502
2	FF support	252 010	531	Clamping ring	259 606
3	Yarn guide bracket complete	265 433	532	Pan-head screw M5x8	239 408
31	Eyelet holder complete	265 434	930	Pan-head screw M6x10	023 183
32	Holding angle	259 574	500	Cap screw M6x35	020 139
			900	Cap screw M8x25	020 142



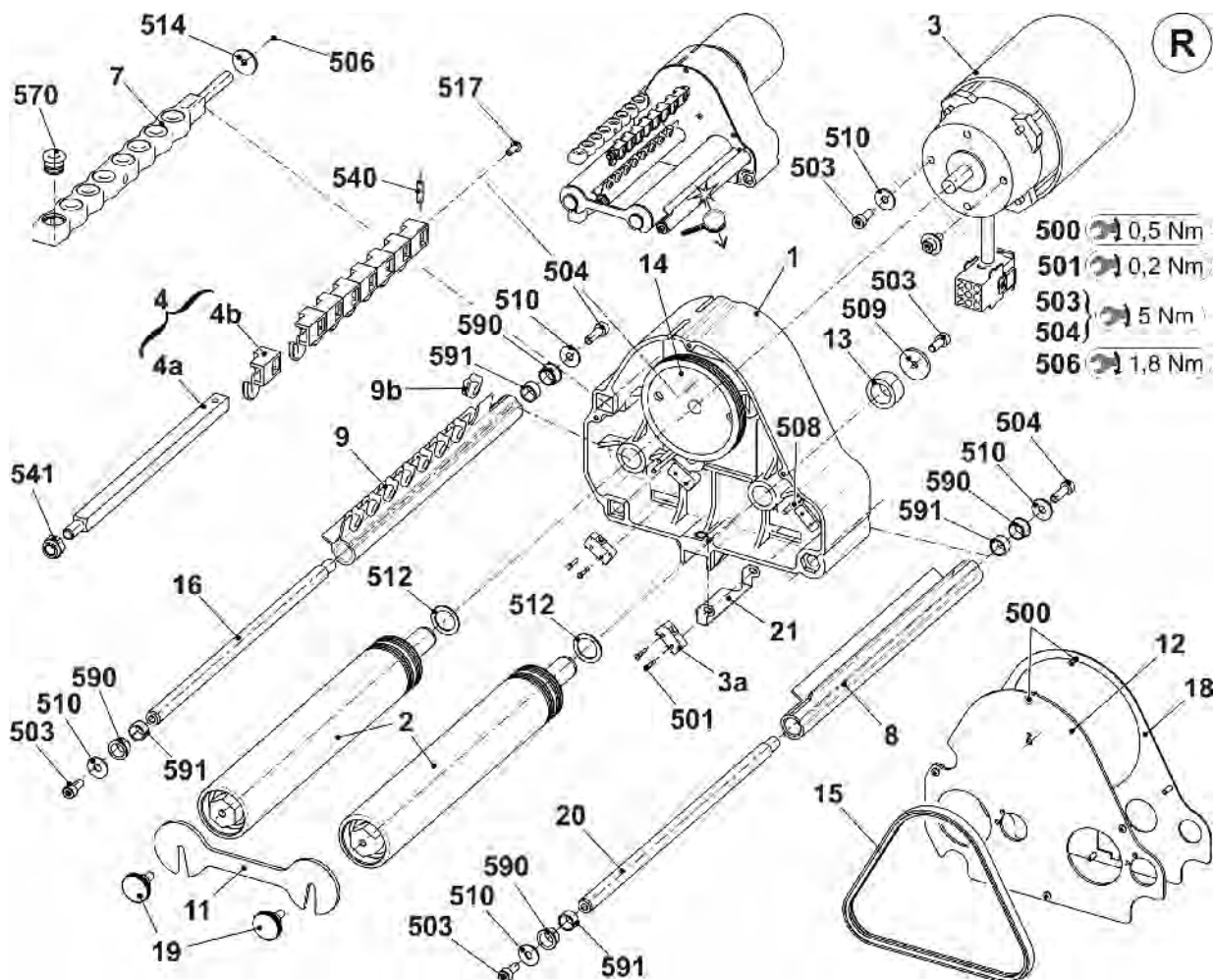
10.8 Left friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the left	264 324	13	Bush	221 391
1	Housing	240 368	14	V-ribbed belt pulley	221 268
2	Friction roller complete	231 704	15	Ribbed V-belt V3J 406	206 927
3	Three-phase AC motor complete	219 800	16	Rod	221 319
3a	Microswitch	008 664	18	Cover	230 758
4	Deflector complete 8-fold	250 089	19	Knurled screw	223 361
4a	Support rail	250 055	20	Rod	230 658
4b	Eyelet holder complete	250 077	21	Grounding plate	256 622
540	Spring dowel sleeve 4x16	020 783	500	Screw KB30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	265 445
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	508	Dowel pin3M6x40	023 528
9b	Eyelet	230 662	509	Washer 5,3x22x2,5	023 219
590	Slide bearing	023 627	510	Washer 5	020 901
591	Guide piece	259 453	512	Shim ring 15x21x1	023 216
11	Bracket	221 316	514	Washer 4,3x18x1,5	020 908
12	Cover	251 098	517	Pan-head screw M4x8	023 579



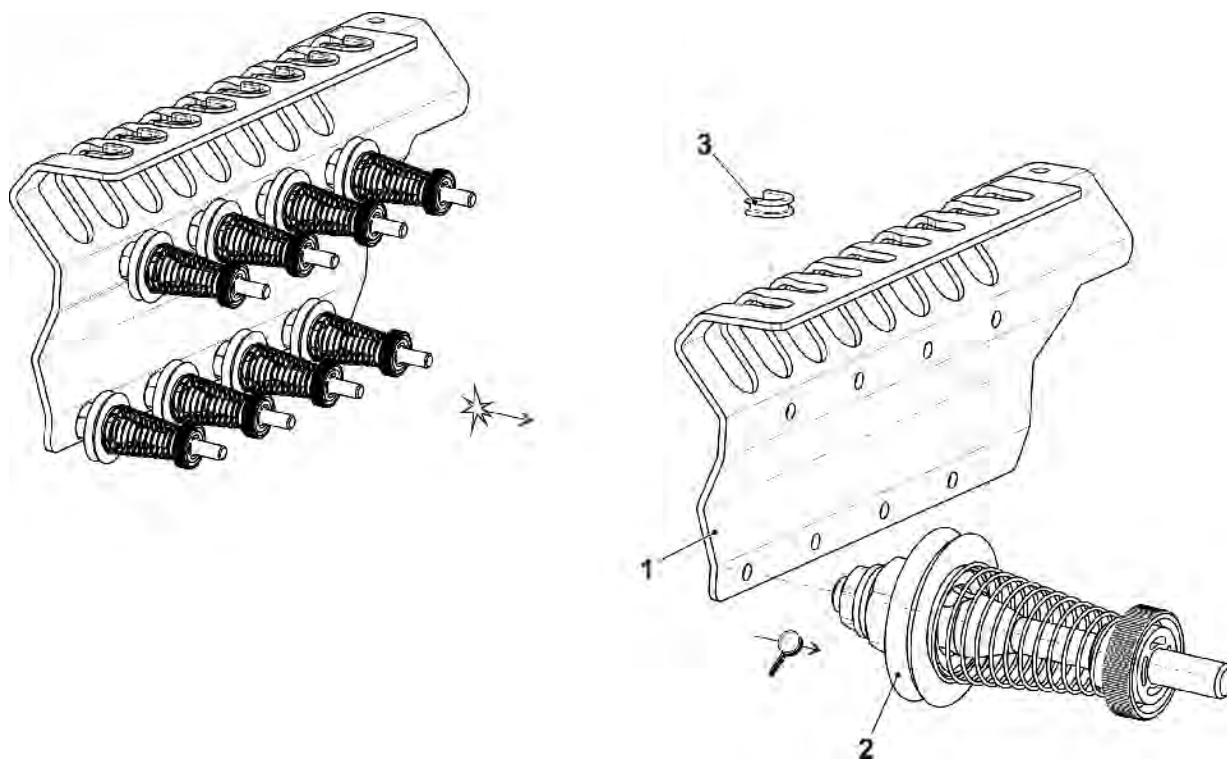
10.9 Right friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the right	264 325	13	Bush	221 391
1	Housing	240 368	14	V-ribbed belt pulley	221 268
2	Friction roller complete	231 704	15	Ribbed V-belt V3J 406	206 927
3	Three-phase AC motor complete	219 800	16	Rod	221 319
3a	Microswitch	008 664	18	Cover	230 758
4	Deflector complete 8-fold	250 089	19	Knurled screw	223 361
4a	Support rail	250 055	20	Rod	230 658
4b	Eyelet holder complete	250 077	21	Grounding plate	256 622
540	Spring dowel sleeve 4x16	020 783	500	Screw KB30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	265 445
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	508	Dowel pin3M6x40	023 528
9b	Eyelet	230 662	509	Washer 5,3x22x2,5	023 219
590	Slide bearing	023 627	510	Washer 5	020 901
591	Guide piece	259 453	512	Shim ring 15x21x1	023 216
11	Bracket	221 316	514	Washer 4,3x18x1,5	020 908
12	Cover	251 098	517	Pan-head screw M4x8	023 579



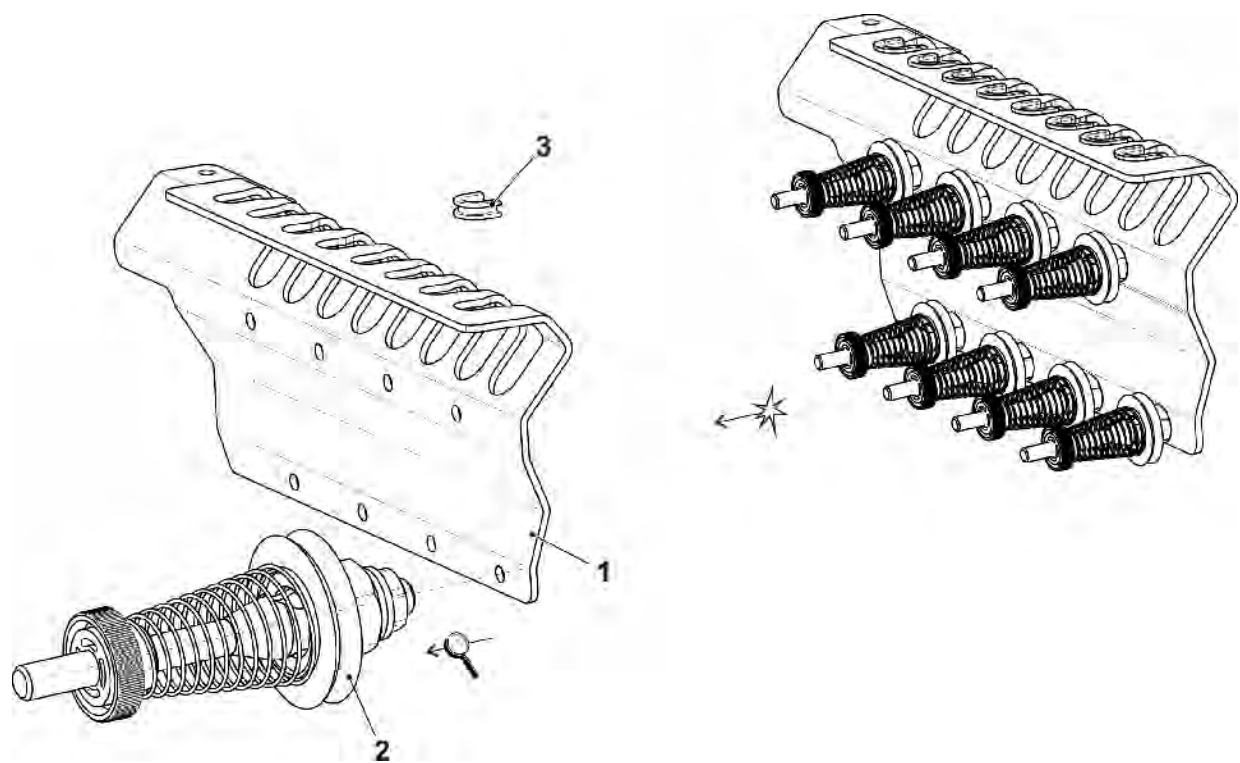
10.10 Stopping device on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Stopping device on the left E3-8	265 055	2	Yarn brakeE5-8	264 353
1	Stopping device on the left E3-8	264 993	500	Ceramic eyelet open	240 733

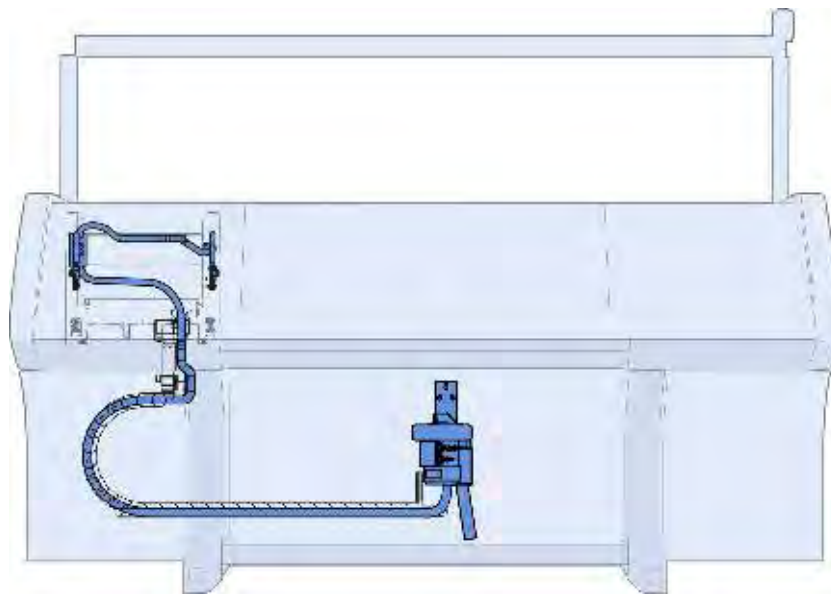


10.11 Stopping device on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Stopping device on the right E3-8	265 054	2	Yarn brakeE5-8	264 353
1	Stopping device on the right E3-8	264 992	500	Ceramic eyelet open	240 733

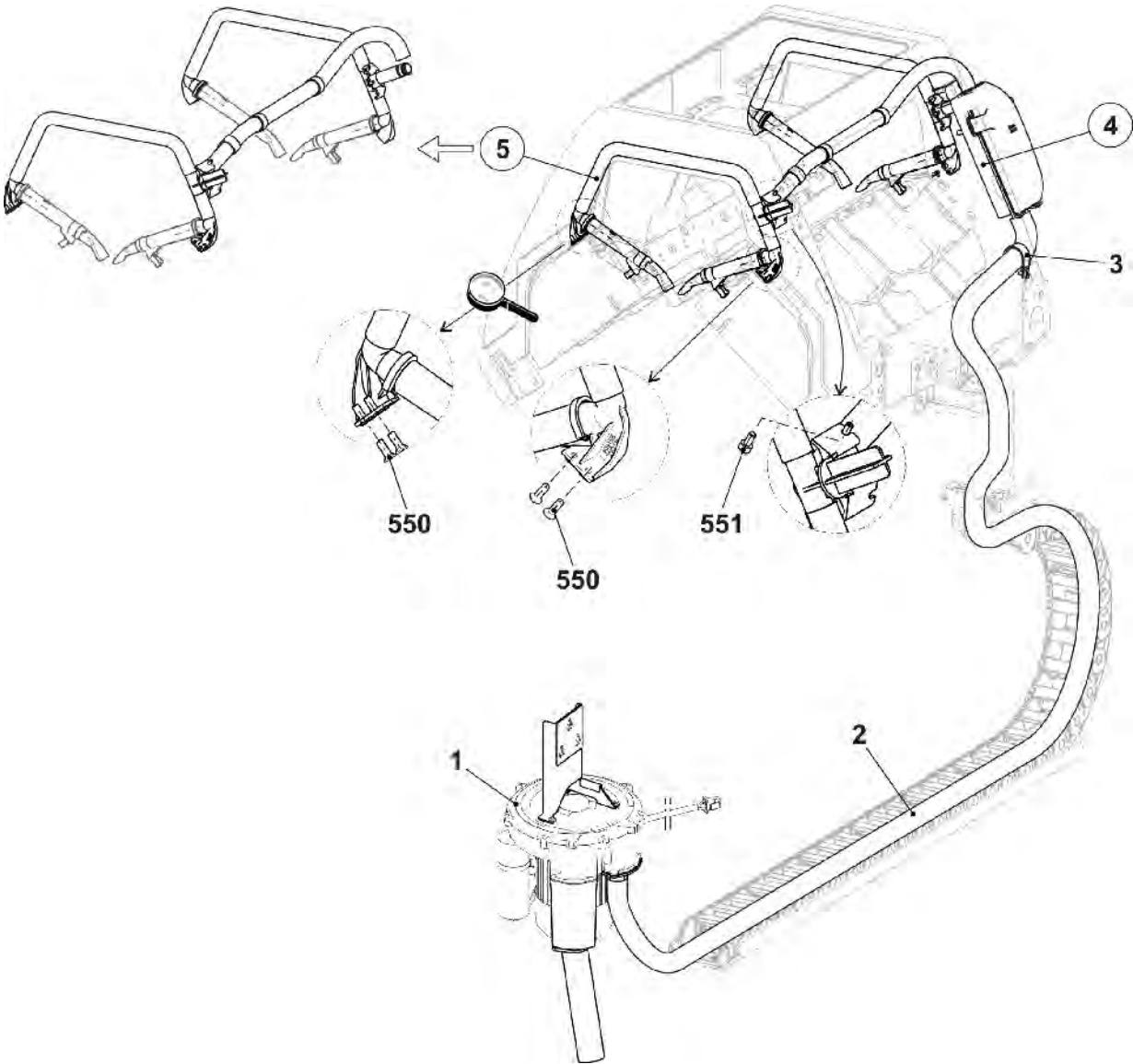


11 Fluff absorption



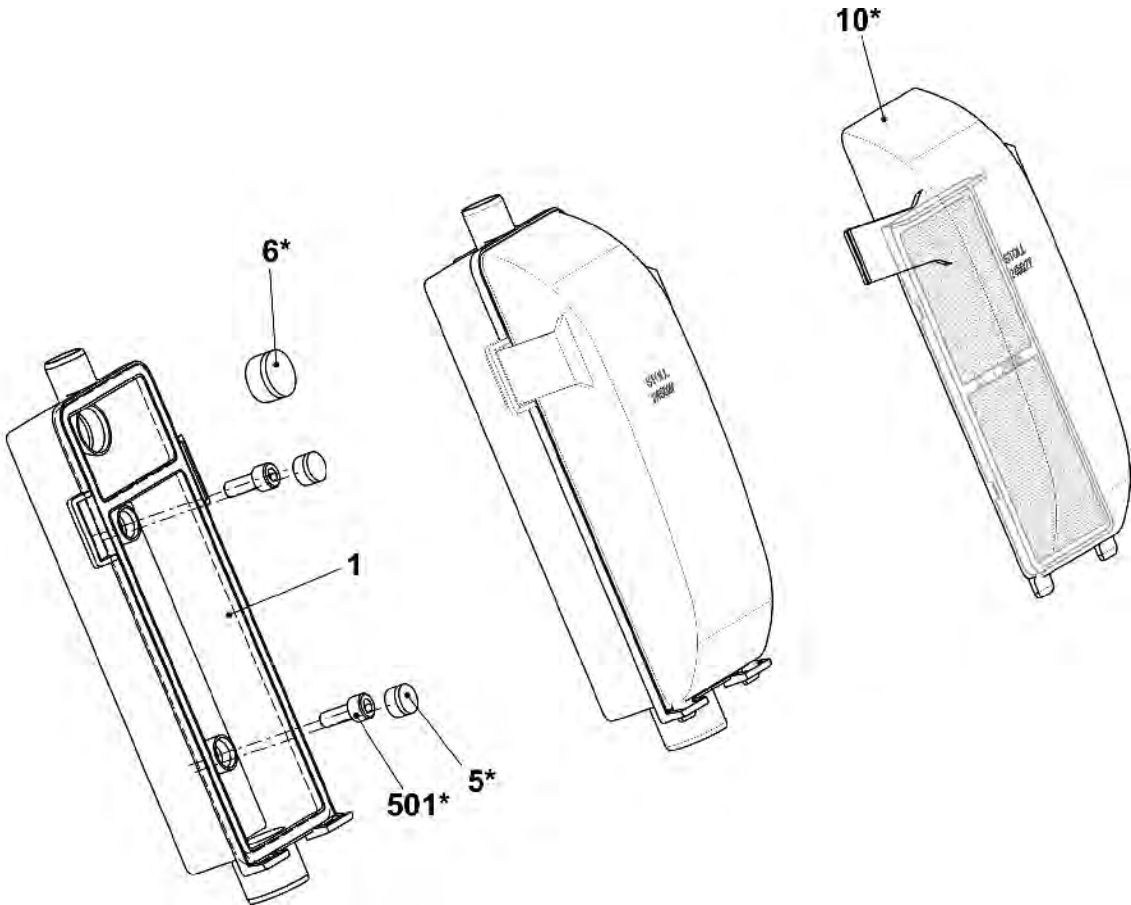
11.1 Fluff absorption

Pos	Designation	ID	Pos	Designation	ID
Σ	Fluff absorption		4	Lint container	245 024
1	Suction fan complete	265 836	5	Set of hose complete	251 339
2	Suction hose 29x25x2800	252 627	550	Countersunk head screw M4x12	023 062
3	Cable clip	250 051	551	Cap screw M4x8	022 501



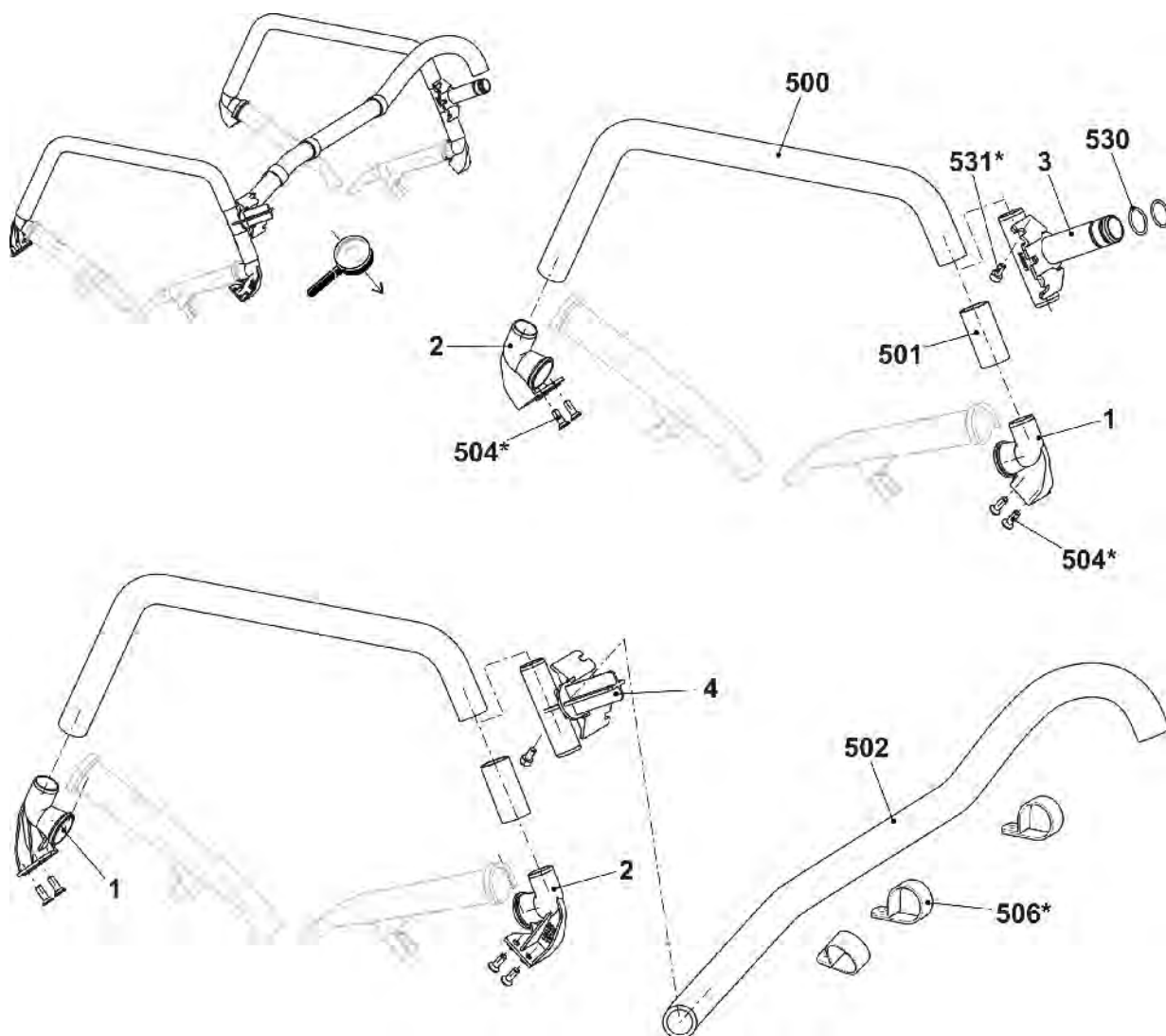
11.1.1 Lint container

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 screwM6x10	023 690



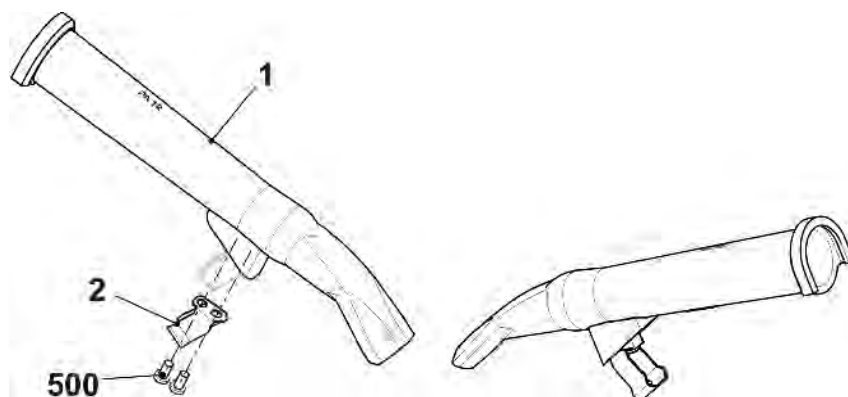
11.1.2 Set of hose

Pos	Designation	Id	Pos	Designation	Id
Σ	Set of hose complete 530/520C	251 339	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 20x16x570	251 044
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

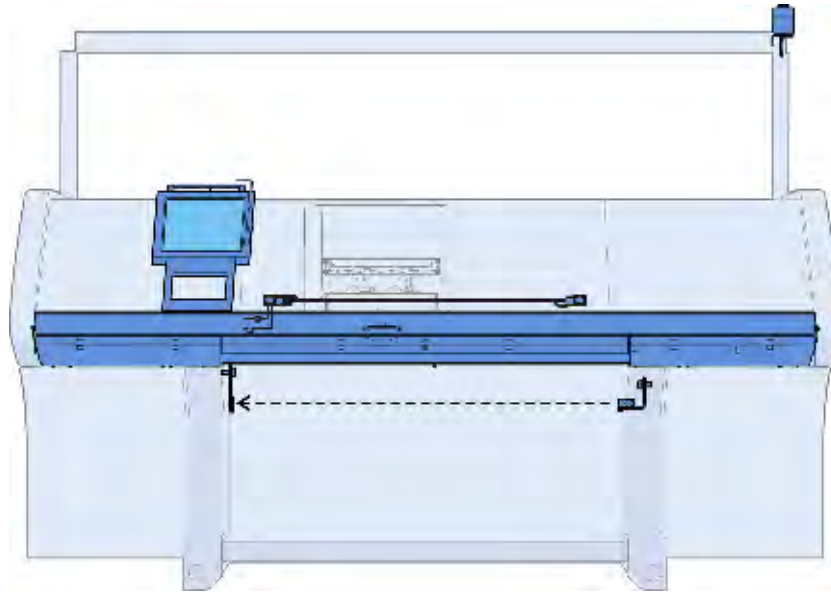


11.1.3 Suction tube

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

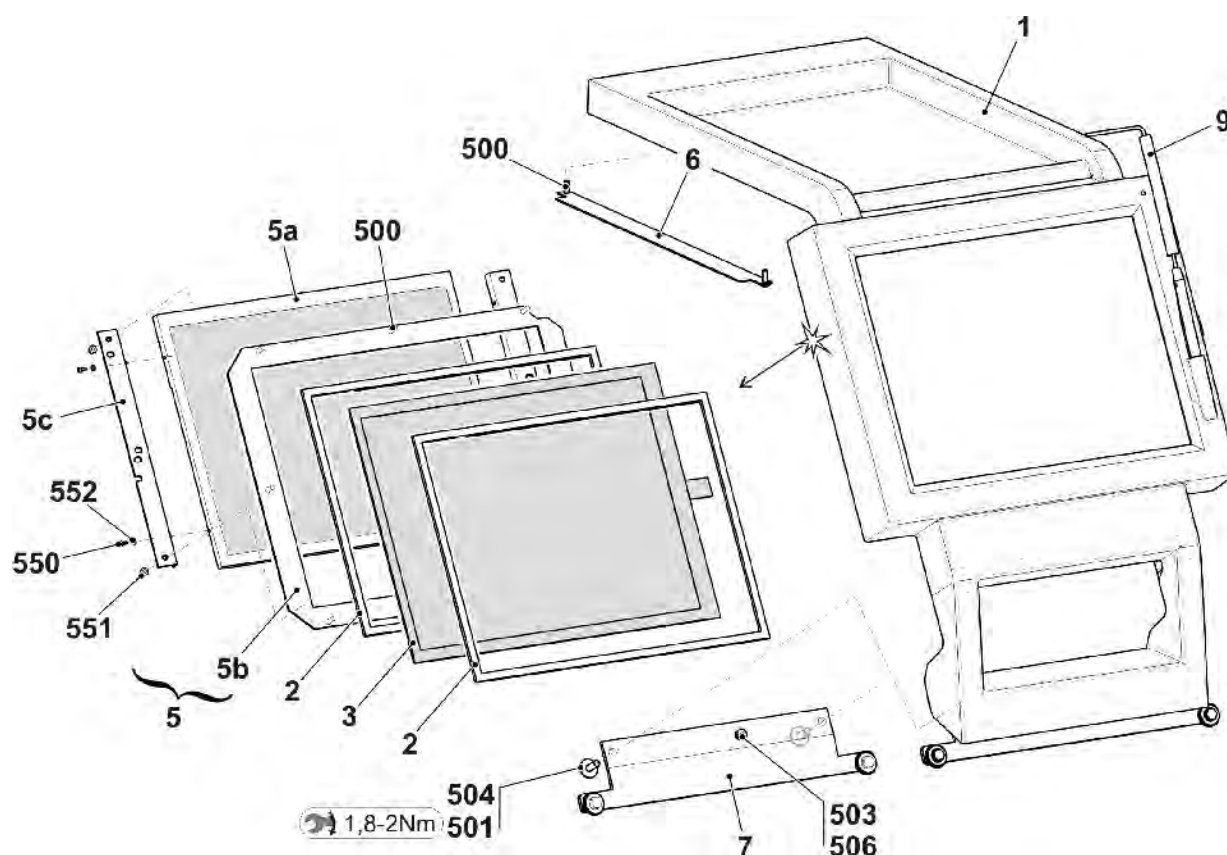


12 Operation and control



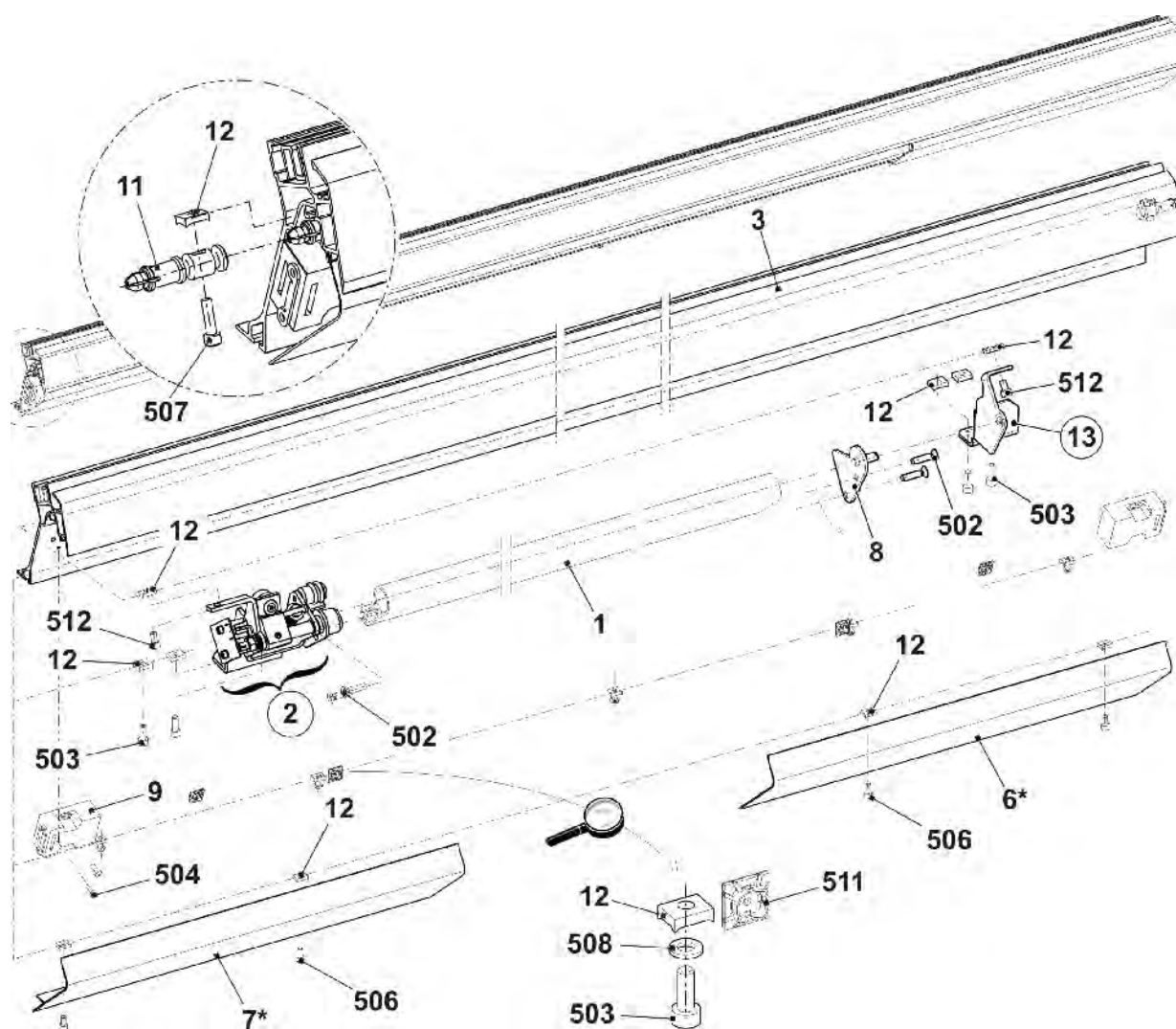
12.1 Input unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Input unit complete	265 822	551	Hexagon nut M3-8	022 884
1	Base frame	266 578	552	Disk 2,2x4,6x0,35	023 362
2	Installation set seal 12.1	261 327	6	Cover plate	267 051
3	Input medium Touch 12,1" LCD	263 307	7	Bearing strip complete	267 030
5	Frame complete	266 970	9	Pencil touch	242 812
5a	Display LCD Color 12,1 LED	262 508	500	Screw 35x10	251 729
5b	FrameCMI 12,1"	266 971	503	Pan-head screw M4x6	022 946
5c	Fastening plate	266 972	504	Washer 5	020 901
550	Cap screw M2x4	023 624	506	Serrated lock washer A4,3	022 482

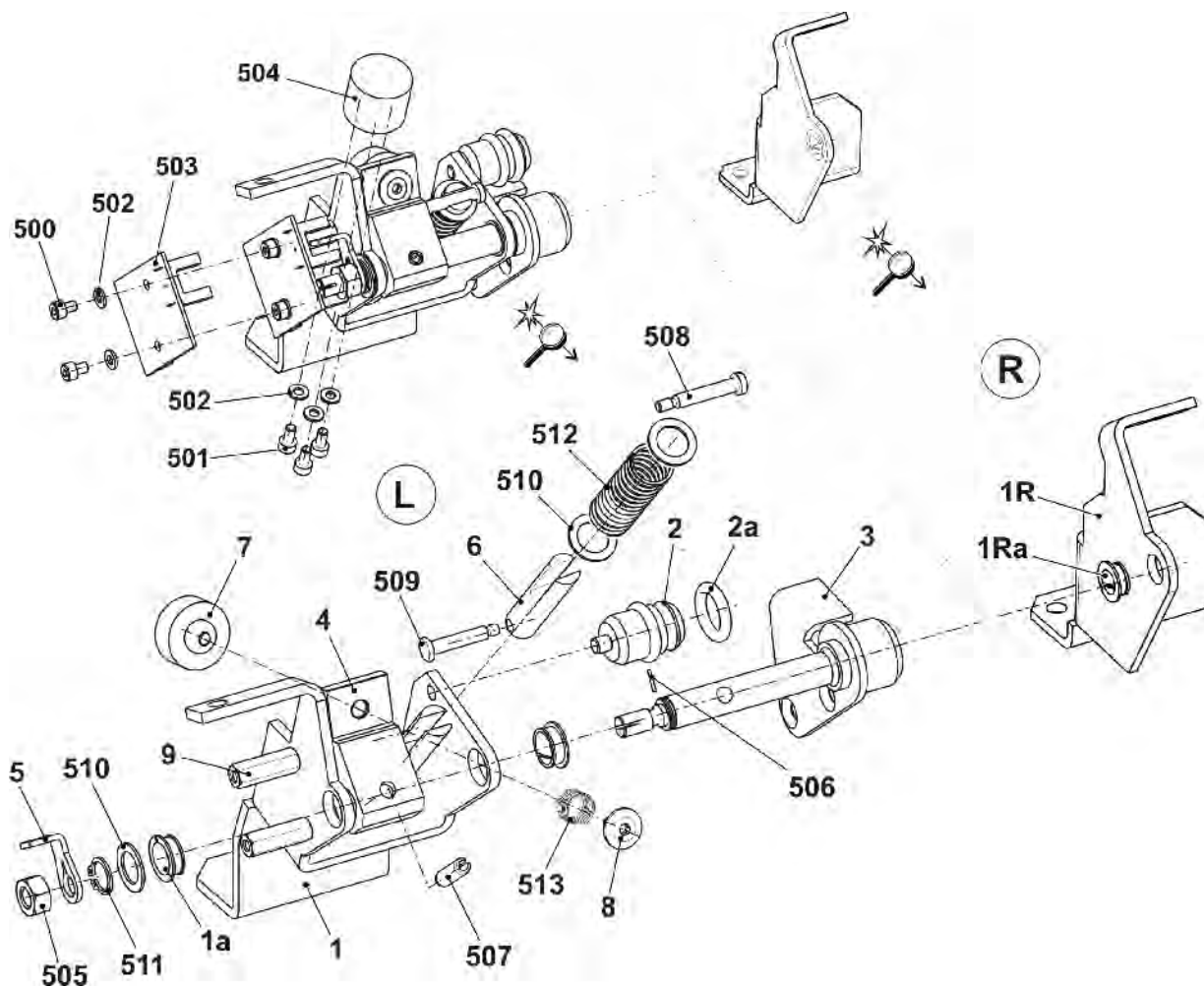


12.2 Starting device

Pos	Designation	Id	Pos	Designation	Id
Σ	Starting device complete	240 306			
1	Engaging rod	240 227	13	Bearing on the right	264 800
2	Bearing on the left complete	250 071	502	Screw M6x25	023 510
3	Guide rail at the bottom complete	257 309	503	Cap screw M6x16	020 135
6*	Cover plate on the right	250 931	504	Pan-head screw M5x14	023 588
7*	Cover plate on the left	250 932	506	Cap screw M6x12	020 134
8	Bearing on the right complete	265 444	507	Cap screw M6x20	020 136
9	Switch with cable to safety doors	223 350	508	Washer	020 872
11	Locating bolt	219 107	511	Cable holder	262 037
12	Sliding nut (slot nut)	225 099	512	Cap screw M6x10	023 690

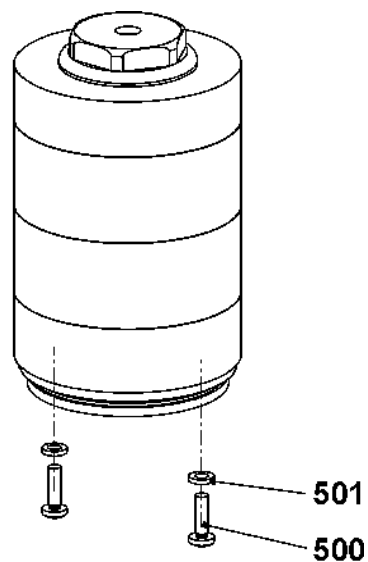


Pos	Designation	Id. no.	Pos	Designation	Id. no.
L	Bearing on the left complete	250 071	502	Shim ring 4x8x1	023 369
1	Bearing on the left	245 218	503	Card engaging	259 000
	1a Clip bearing MCM 12-04	023 639	504	Adhesive magnet direct current	026 233
2	Support of buffer	220 561	505	Hexagon nut M8-6	020 838
	2a O-ring 14x4	023 237	506	Dowel pin1,5x8	236 923
3	Shaft on the left	245 219	507	Spring dowel sleeve 6x20	023 719
4	Rotor	253 776	508	Shoulder screw M4x24,8x7,7	240 299
5	Switch flag	245 220	509	Shoulder screw	251 316
6	Spring mandrel	251 340	510	Shim ring 12x18x1	023 315
7	Disk	245 222	511	Retaining ring12x1	020 951
8	Shoulder screw	254 528	512	Compression spring 1,25x15x98,2	023 609
9	Distance bolt	240 287	513	Compression spring 0,5x11x20,21	265 082
500	Cap screw M4x6	023 067	1R	Bearing on the right	264 800
501	Cap screwM4x8	022 501	1Ra	Clip bearing MCM 08-03	253 072



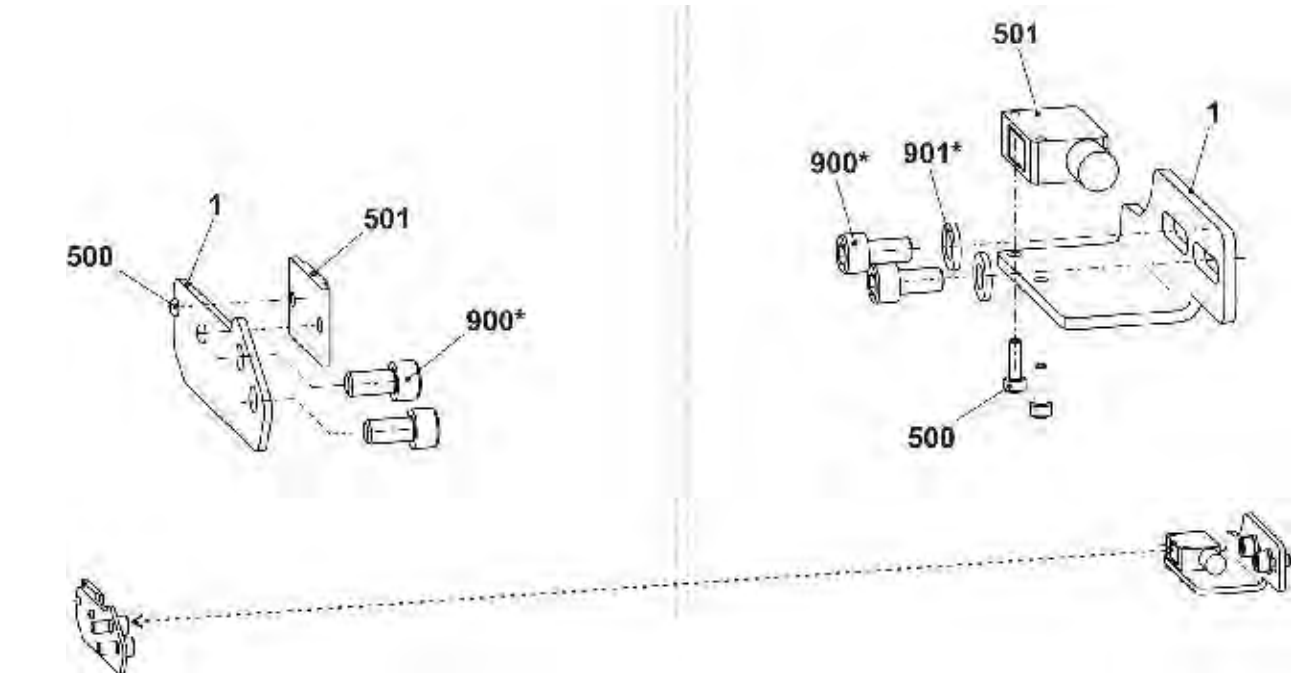
12.3 Signal light

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



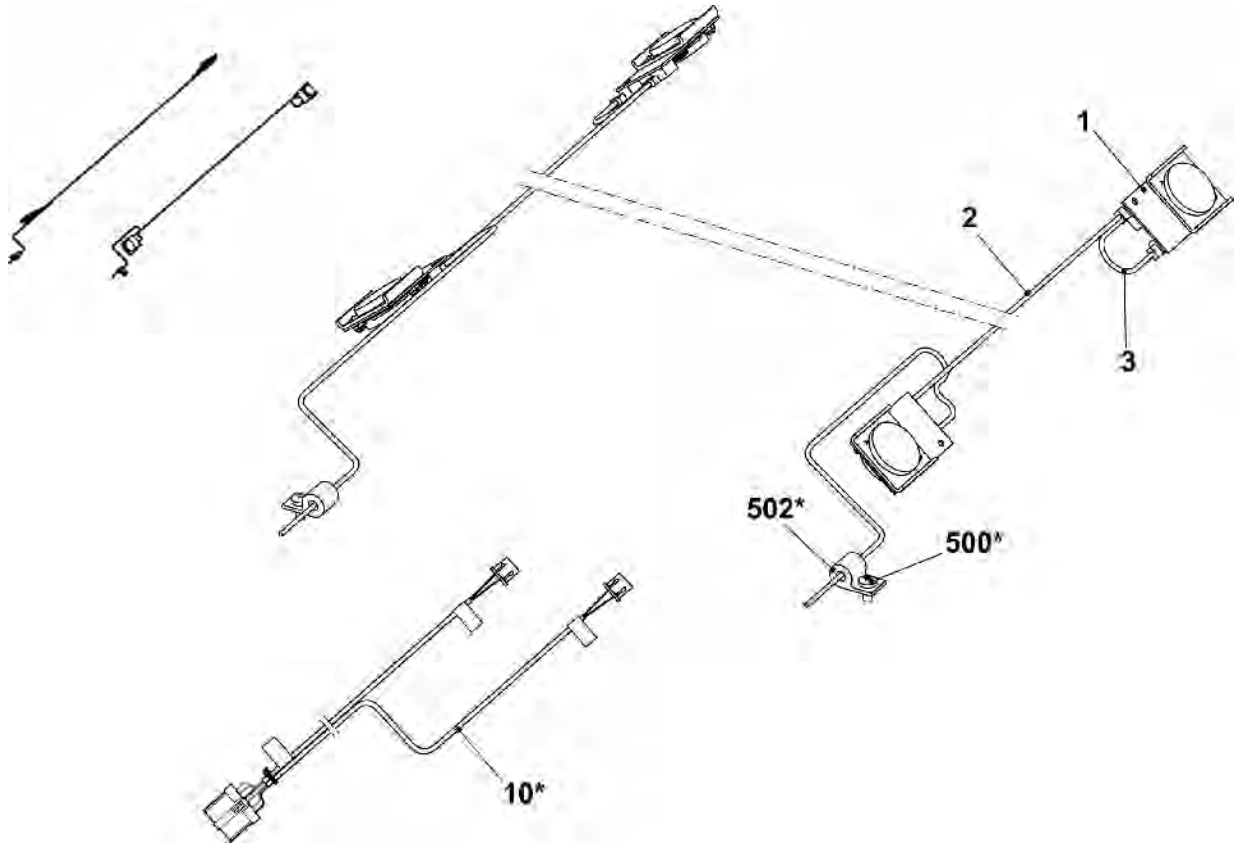
12.4 Control of Collecting Area

Pos	Designation	Id	Pos	Designation	Id
Σ	Reflector complete	256 826	Σ	Light barrier complete	256 825
1	Mounting plate reflector	256 675	1	Holding angle light barrier	256 674
500	Blind rivet A3x8-Al	023 158	500	Cap screw M3x10	022 991
501	Reflector 20x20 mm	243 356	501	Light barrier	243 355
900*	Cap screw M6x12	020 134	900*	Cap screw M6x12	020 134
			901*	Washer 6	020 872



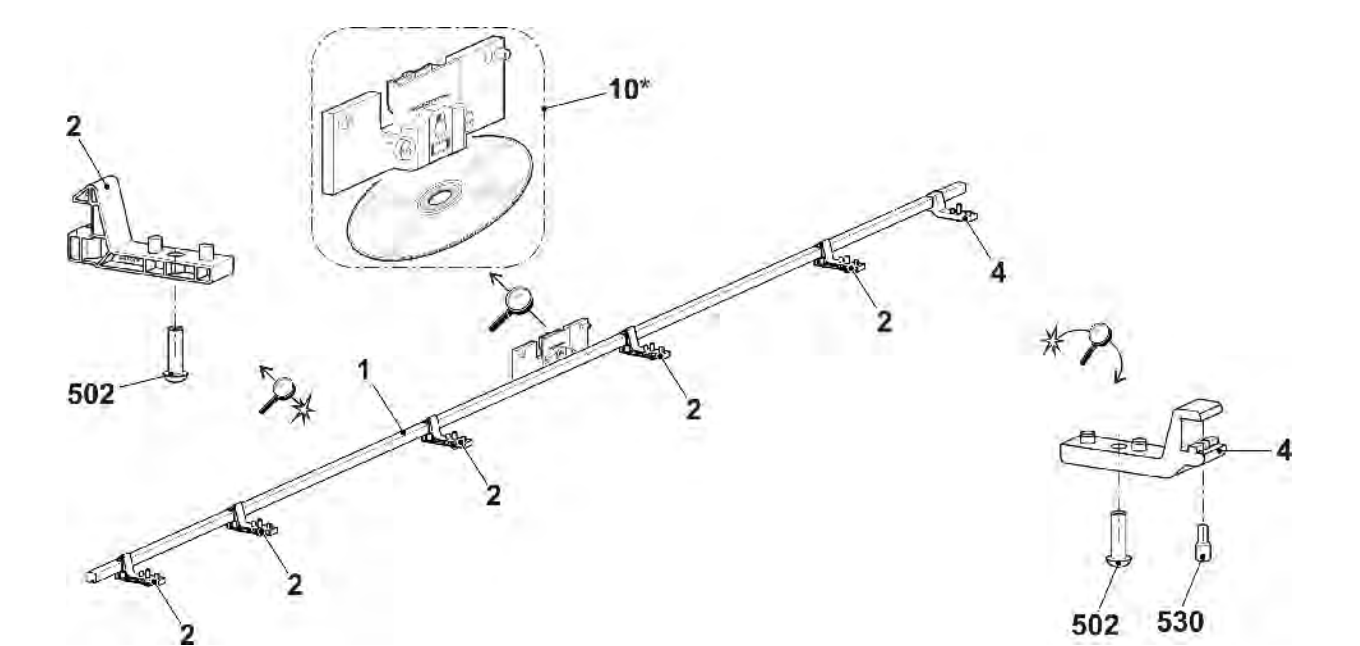
12.5 Shock stop motion

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 NBOKC	240 518
2	Connecting cable piezo sensor	220 061	500*	Pan-head screw M4x8	023 036
3	End plug piezo sensor	220 053	502*	Cable clip N-3B, 5 mm	210 729



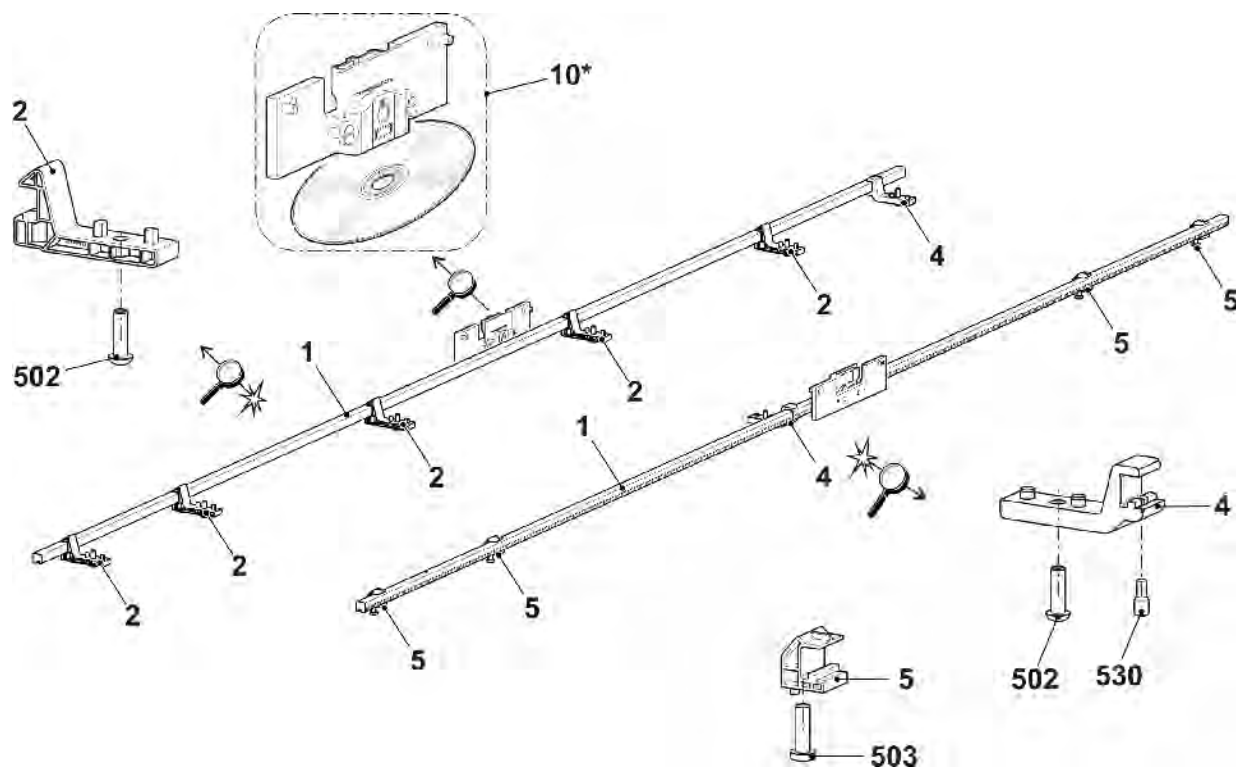
12.6 Measuring device 5 | E7 | E8 | E2,5.2 | E3,5.2 | E5m.4 | E7m.
5 | E2+3,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
Σ	Measuring device				
1	Measuring bar	263 743	10*	Spare parts package impulse sensor GLM OH	266 961
2	Guide	251 676	502	Pan-head screw	241 603
4	Guide	240 672	530	Setscrew	230 803

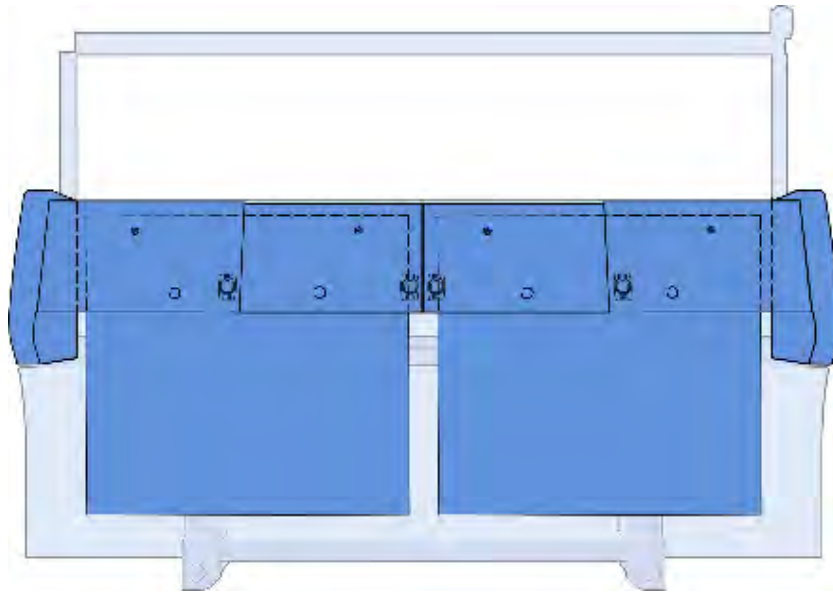


12.7 Measuring device E5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Measuring device				
1	Measuring bar	263 743	10*	Spare parts package impulse sensor GLM OH	266 961
2	Guide	251 676	502	Pan-head screw	241 603
4	Guide	240 672	503	Screw 60x20	243 625
5	Guide outside	251 605	530	Setscrew	230 803

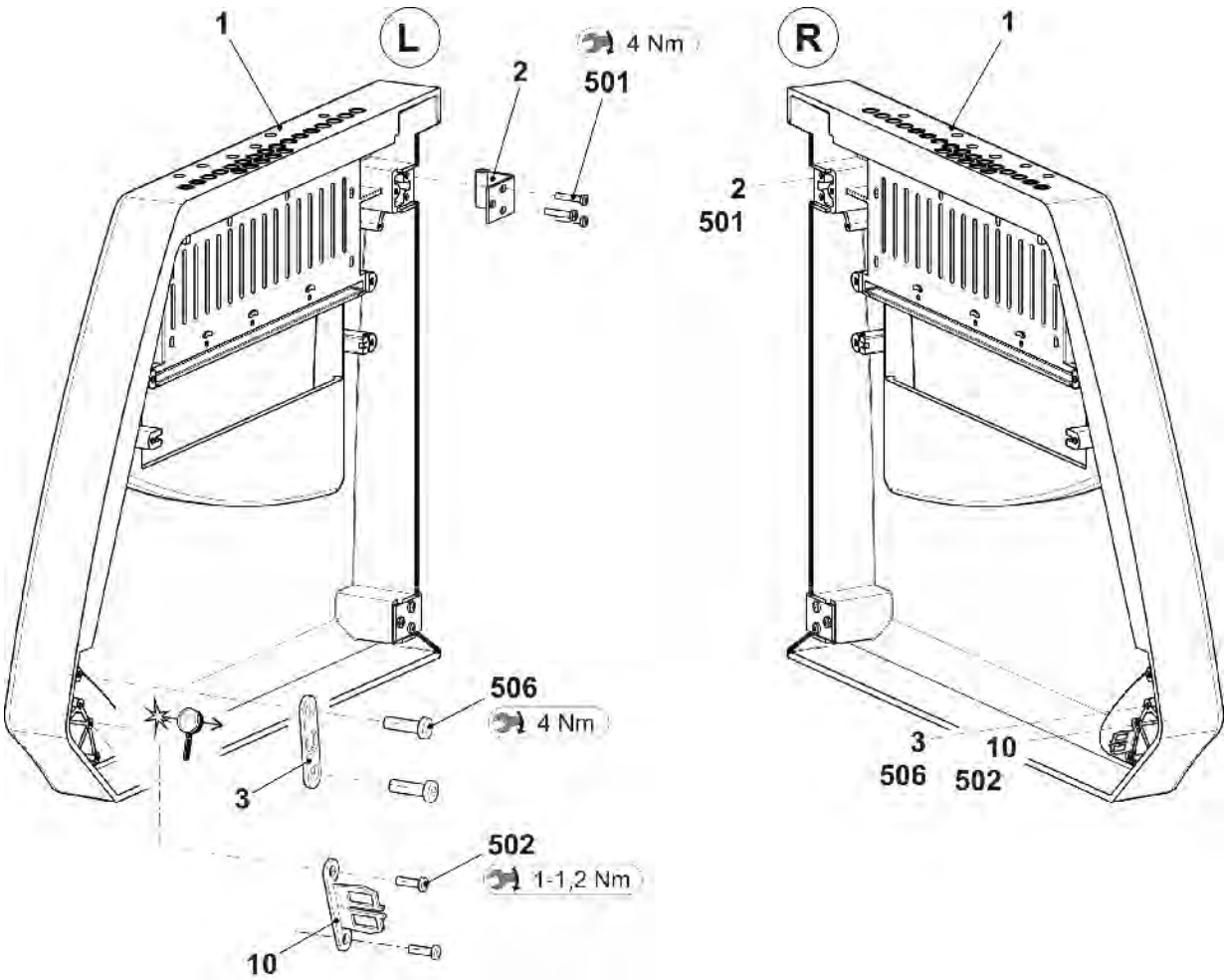


13 Protective devices



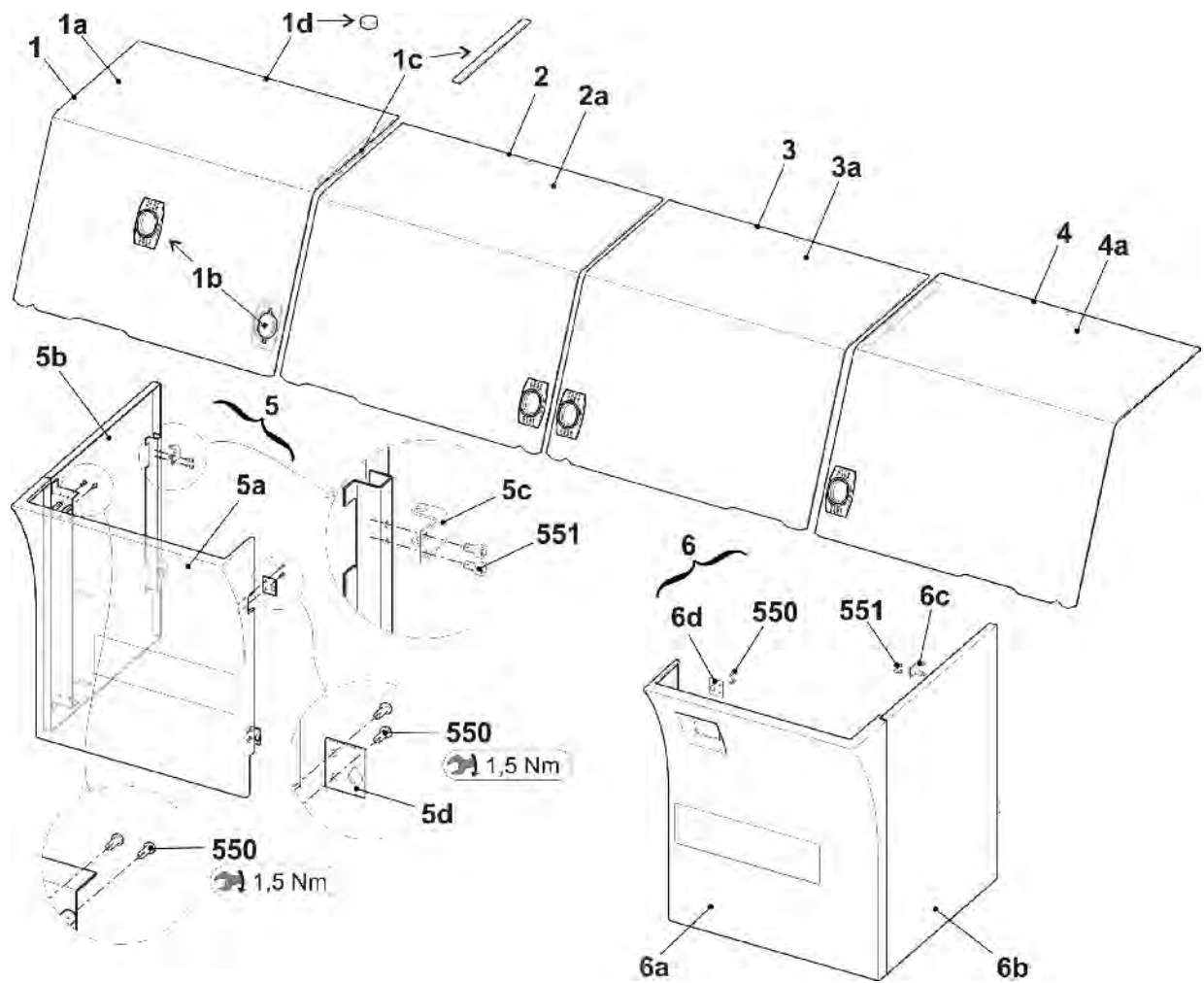
13.1 Lateral safety doors

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety door on the left		Σ	Safety door on the right	
1	Safety door on the left	265 278	1	Safety door on the right	265 279
2	Hinge	263 939	2	Hinge	263 939
4	Locking plate	219 748	4	Locking plate	219 748
10	ActuatorAZ 15/16	255 492	10	ActuatorAZ 15/16	255 492
501	Screw 6x30	265 380	501	Screw 6x30	265 380
502	Screw 4x16	263 995	502	Screw 4x16	263 995
506	Screw 6x20	265 379	506	Screw 6x20	265 379



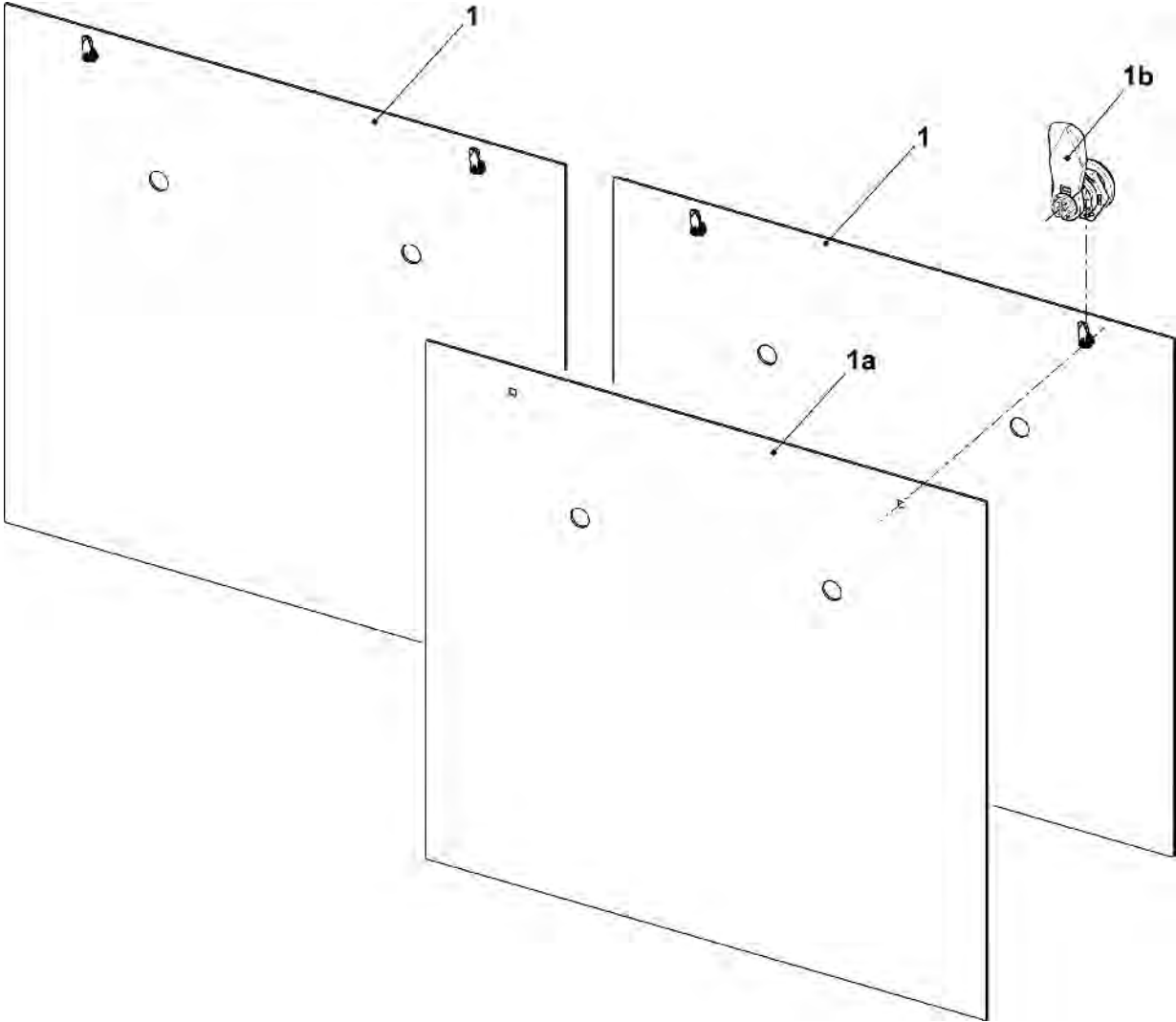
13.2 Panelling

Pos	Designation	Id	Pos	Designation	Id
1	Cover 1 complete	264 573	3	Cover 3 complete	264 577
	1a Cover 1	264 572		3a Cover 3	264 576
	1b Inlet type handle	251 376		1b Inlet type handle	251 376
	1c Stripper	219 393		1c Stripper	219 393
	1d Magnet	264 015		1d Magnet	264 015
2	Cover 2 complete	264 575	4	Cover 4 complete	264 579
	2a Cover 2	264 574		4a Cover 4	264 578
	1b Inlet type handle	251 376		1b Inlet type handle	251 376
	1c Stripper	219 393		1c Stripper	219 393
	1d Magnet	264 015		1d Magnet	264 015
5	Control unit panelling on the left complete	251 233	6	Control unit panelling on the right complete	251 234
	5a Control unit panelling on the left	251 185		6a 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 Bracket	240 412		6d Bracket	240 412
	550 Screw KB 50x12	240 359		550 Screw KB 50x12	240 359
	551 Cap screw M6x16	020 135		551 Cap screw M6x16	020 135

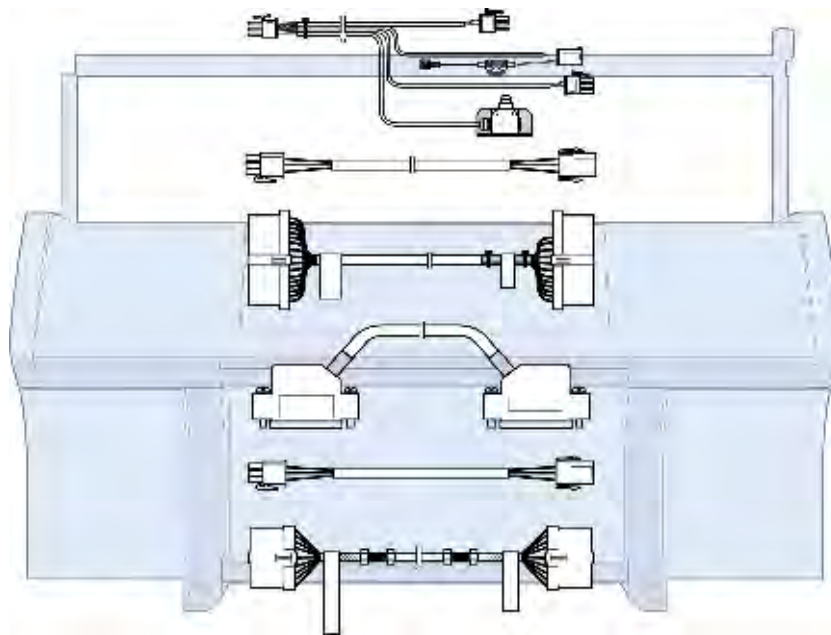


13.3 Rear panel

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



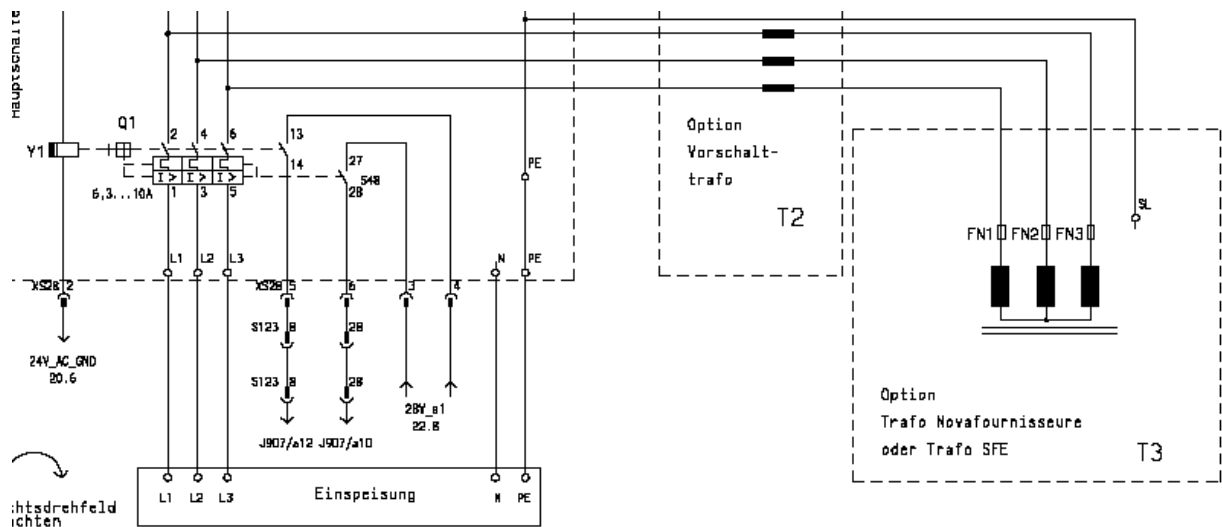
14 Electrical equipment



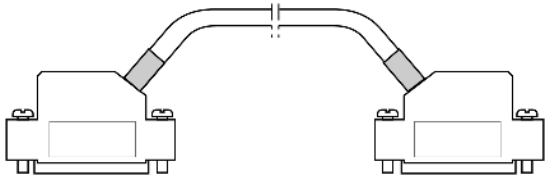
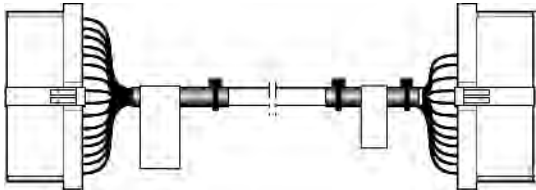
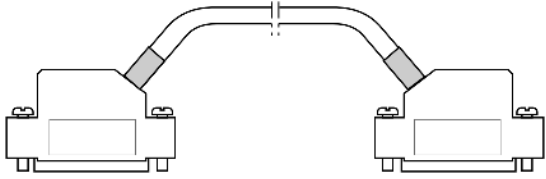
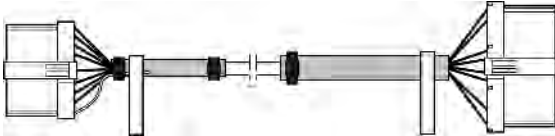
14.1 Circuit diagram (223) as PDF

Designation	ID	Marking
Circuit diagram 223 German	267 956	_DE
Circuit diagram 223 English	267 956	_GB
Circuit diagram 223 Chinese	267 956	_CN

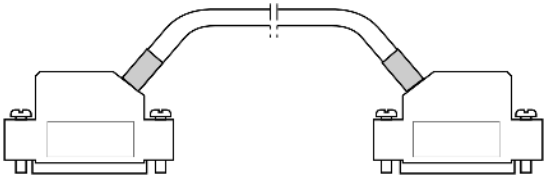
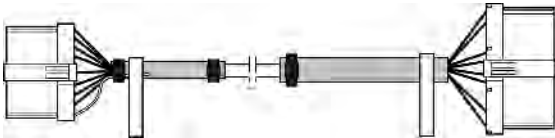
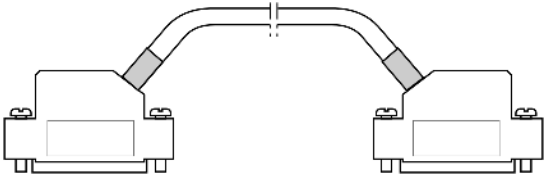
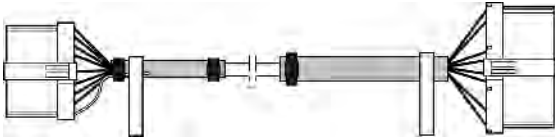
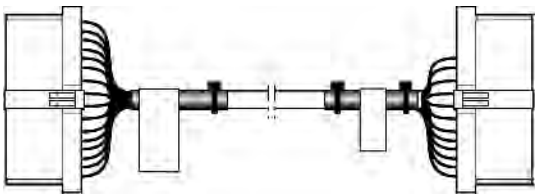
You will find the circuit diagram 223 on the CMS documentation DVD with the ID no. 257 157



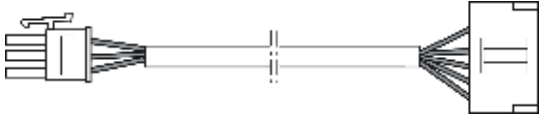
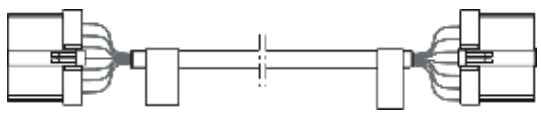
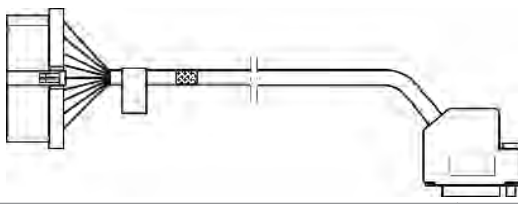
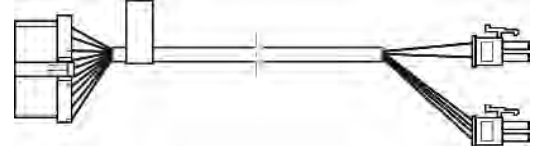
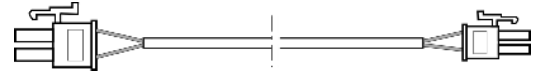
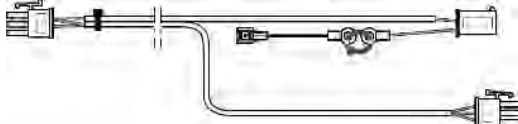
14.2 Trailing cable (all gauges, except E5.2)

Designation		ID	Designation		ID
Σ	Trailing cable set 530HP 1IMP	264 940			
	Cable carriage at the rear XR332	253 549		Cable yarn carrier XR161	254 886
					
	Cable carriage at the front XR333	253 550		Cable impulse sensor OH at the rear XR136_520/530 BM2	264 589
					

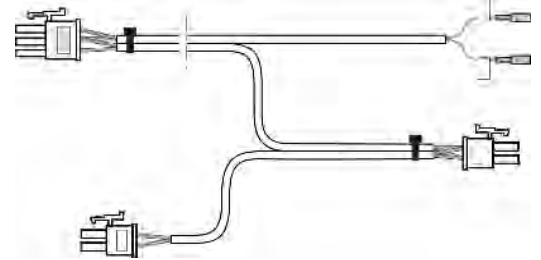
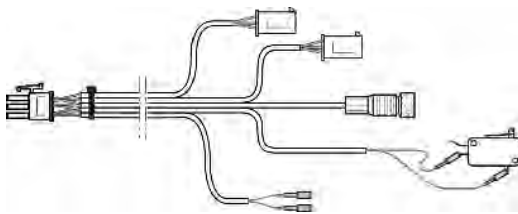
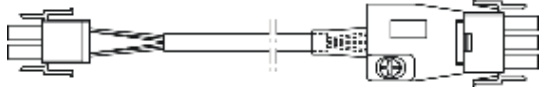
14.3 Trailing cable E5.2

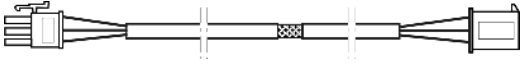
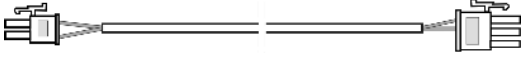
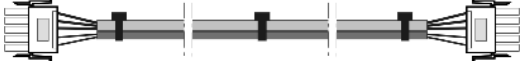
Designation	ID	Designation	ID
Σ Trailing cable set 530HP 2IMP	264 941		
Cable carriage at the rear XR332	253 549	Cable impulse sensor OH at the rear XR136_520/530 BM2	264 589
			
Cable carriage at the front XR333	253 550	Cable impulse sensor OH at the front XR137_520/530 BM2	264 590
			
Cable yarn carrier XR161	254 886		
			

14.4 Cable set installation part 1

Designation	ID	Designation	ID
Σ Cable installation OKC5	265 560	Limit switch racking OKC 3XX	240 292
Cable drive motor GA	262 235		
Cable racking motor GA	262 237	Cable Engaging rod ECO2	252 538
			
Cable resolver drive OKC5	262 236	Transformer cable XT7 servo	261 350
Cable resolver racking OKC5	262 238		
		Cable sensor HIAB OKC5	265 698
Cable fan drive 3XX OKC	240 293		
		Cable switch auxiliary take-down OKC5	265 677
Cable protective device on the right OKC5	265 694		
Cable protective device on the left OKC5	265 695		
			
LightingLED OKC5	265 675		
			

14.5 Cable set installation part 2

Designation	ID	Designation	ID
Σ Cable installation OKC5	265 560	Cable switch main take-down OKC5	262 240
Cable switch comb OKC5	262 241		
		Cable Feed wheel on the right OKC 3XX	240 294
Cable resolver comb	260 327		
Cable resolver HAAB	260 325		

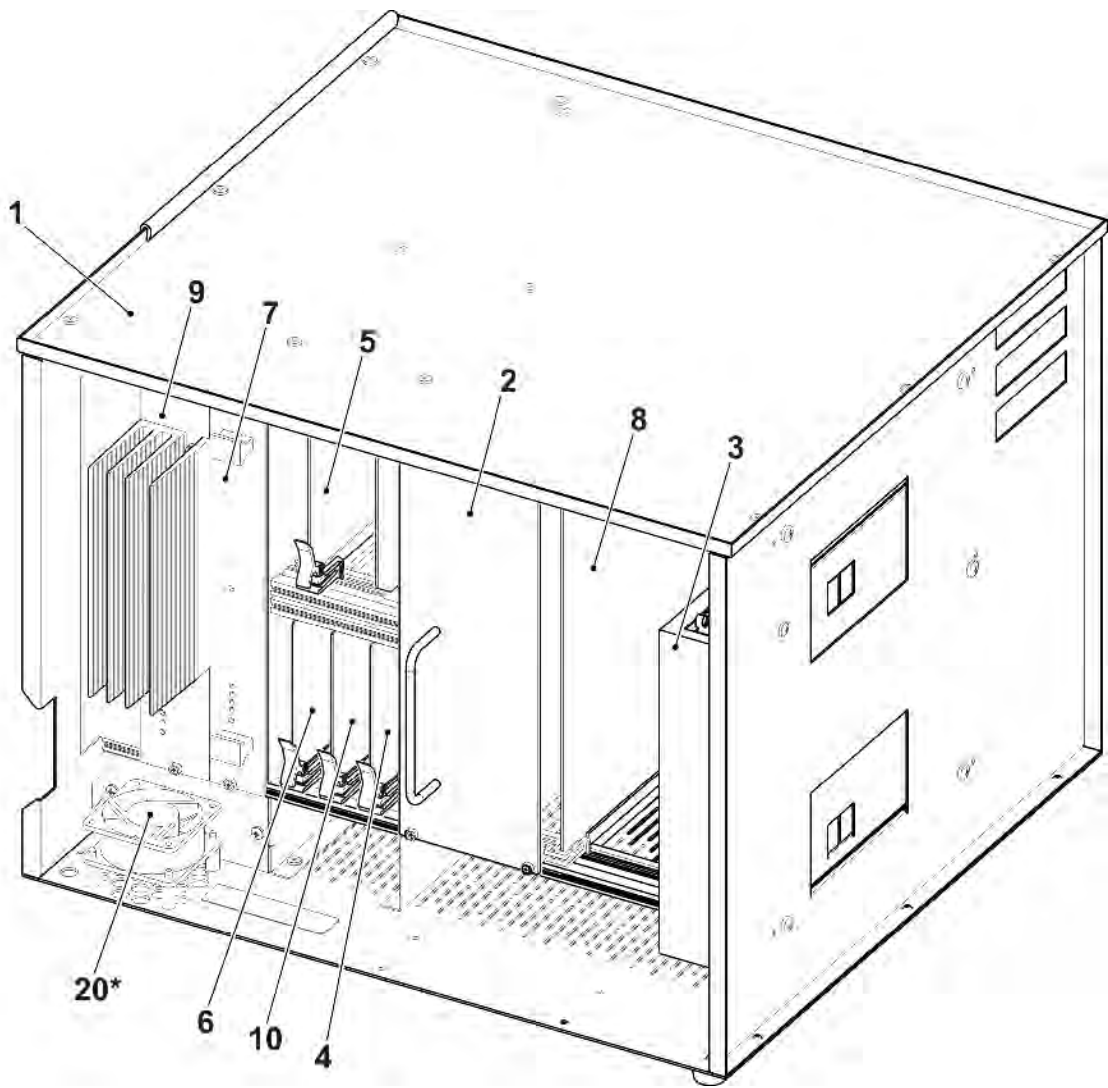
Designation	ID	Designation	ID
			
Cable power comb	260 326	Transformer cable XT9 power supply unit	261 351
Cable power HAAB	260 324		
		Cable supply FKE lamp OKC5	266 268
Cable power auxiliary take-down OKC5	265 676		
Cable power comb hook	260 328	Cable of right cover OKC5	265 696
			
Cable of comb hook switch OKC5	262 239		
			
Transformer XT9 cable power supply unit	261 351		
			

15 Control electronics

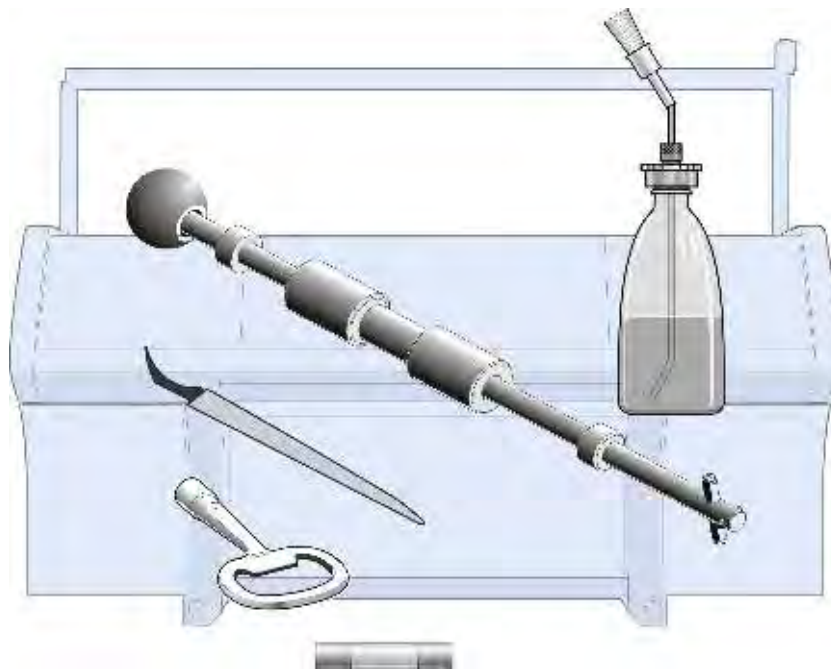


15.1 Control cabinet

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit complete	265 464	6	Card Power CPU B	301 009
1	Control unit on the right without equip- mentOKC5	265 465	7	I/O card	301 023
2	Power supply unit JSE10	301 020	8	Card WASERVO	301 018
3	Battery plug-in unit complete	301 027	9	Card Servo 6	301 000
4	Card final stages 6SM	301 040	10	Card N-CPU 432	300 965
5	Card IPC P12 XP	301 039	20*	Axial blower Servo 5	229 059



16 Deliverable accessories

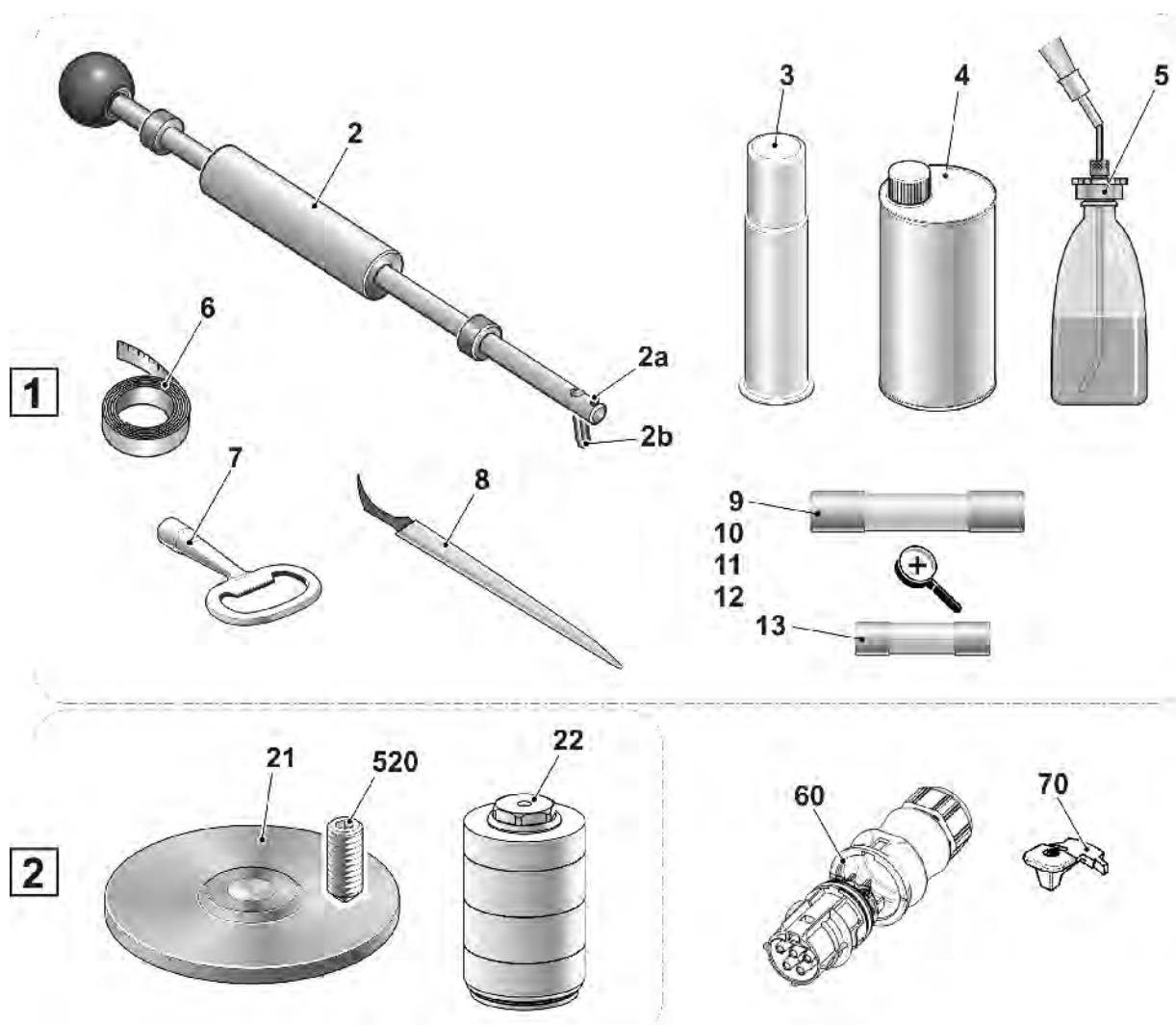


You can order the following tools, lubricants and expendables.

The following list does not correspond to the scope of delivery of the knitting machine.

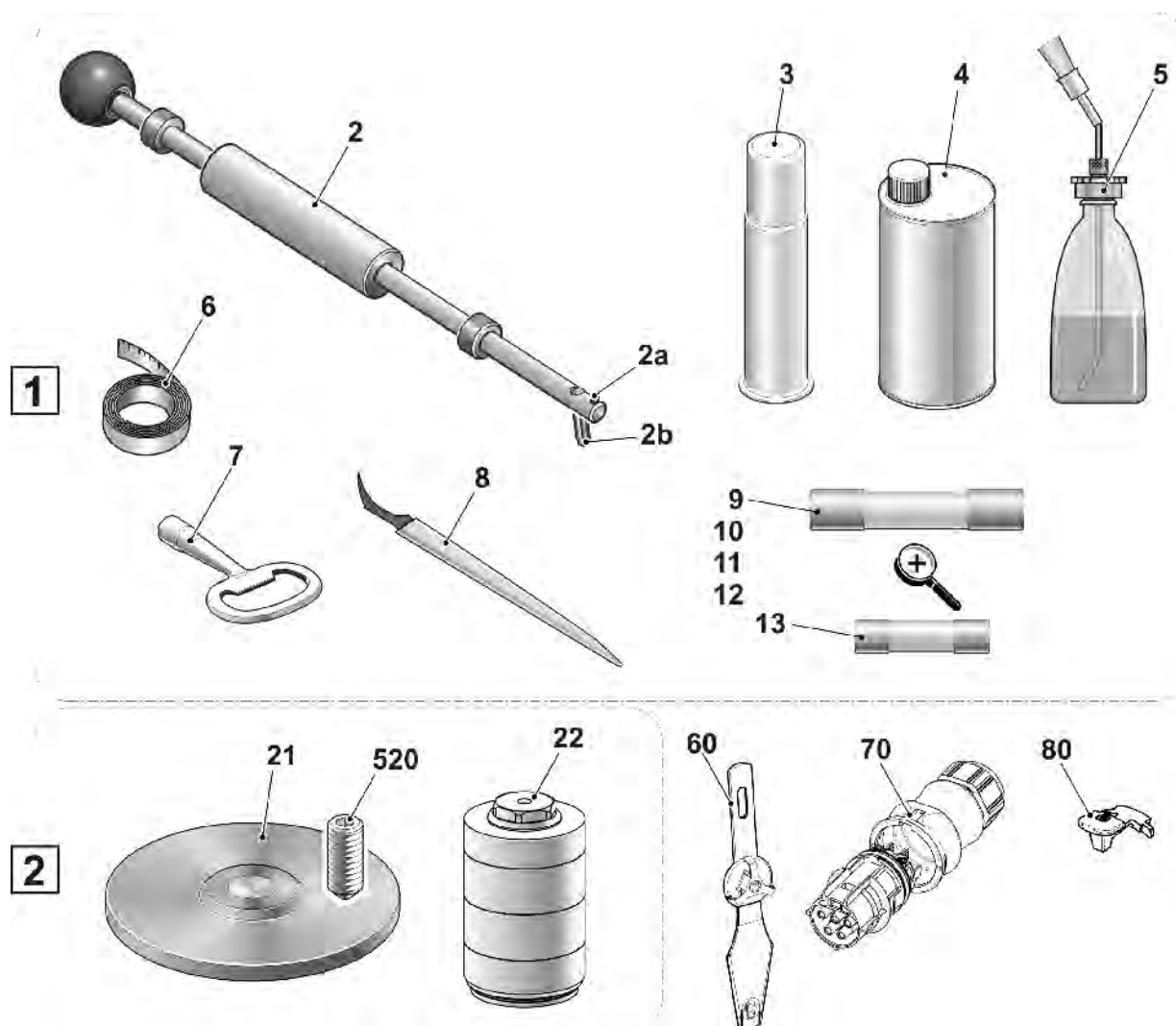
16.1 Accessories standard

Pos	Designation	Id	Pos	Designation	Id
Σ1	Accessories standard part 1	268 413			
2	Extraction hook	232 027	10	Fuse 8A T 440V 6,3x32	241 866
2a	Small pin	202 843	11	Fuse FKS 20A/80V	267 336
2b	Pin	232 022	12	Fuse 1A T 440V 6,3x32	209 321
3	Grease OKS 475, 150g	005 351	13	Fuse F1, 0A	008 748
4	Textile machine oil Silververtex T 46, 1l	230 614	Σ2	Accessories standard part 2	265 183
5	Oil combifix	216 732	21	Shim	056 569
6	Measuring tape L=150cm	228 180	22	Signal lightLED	240 395
7	Key of switch cabinet	009 346	520	Setscrew M16x40	244 061
8	Working hook	227 249	60	Bushing RST20I5S	267 003
9	Fuse 1,6A T 440V 6,3x32	236 229	70	Accessories opener RST20	267 017



16.2 Accessories standard E2,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
Σ1	Accessories standard part 1	268 413	10	Fuse 8A T 440V 6,3x32	241 866
2	Extraction hook	232 027	11	Fuse FKS 20A/80V	267 336
2a	Small pin	202 843	12	Fuse 1A T 440V 6,3x32	209 321
2b	Pin	232 022	13	Fuse F1, 0A	008 748
3	Grease OKS 475, 150g	005 351	Σ2	Accessories standard part 2	265 183
4	Textile machine oil Silververtex T 46, 1l	230 614	21	Shim	056 569
5	Oil combifix	216 732	22	Signal lightLED	240 395
6	Measuring tape L=150cm	228 180	520	Setscrew M16x40	244 061
7	Key of switch cabinet	009 346	60	FF bow 4+5 complete E2,5.2m.4L	261 137
8	Working hook	227 249	70	BushingRST20I5S	267 003
9	Fuse 1,6A T 440V 6,3x32	236 229	80	Accessories opener RST20	267 017

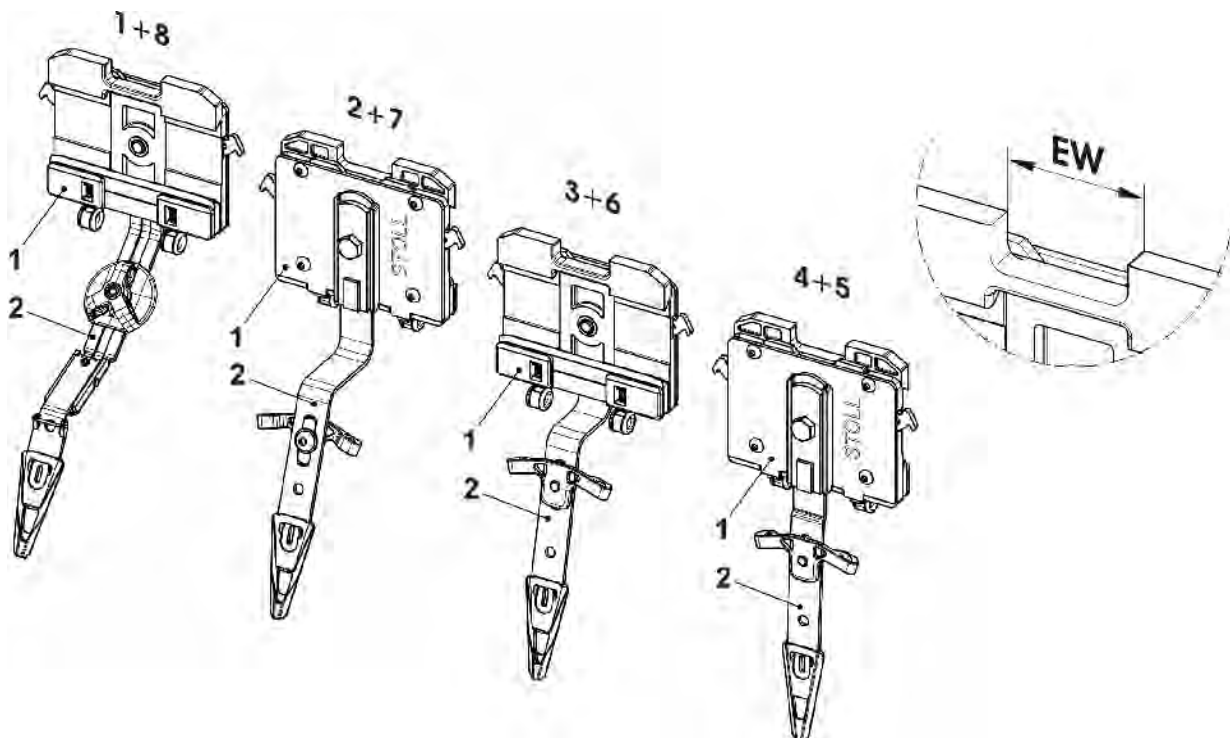


17 Special attachments



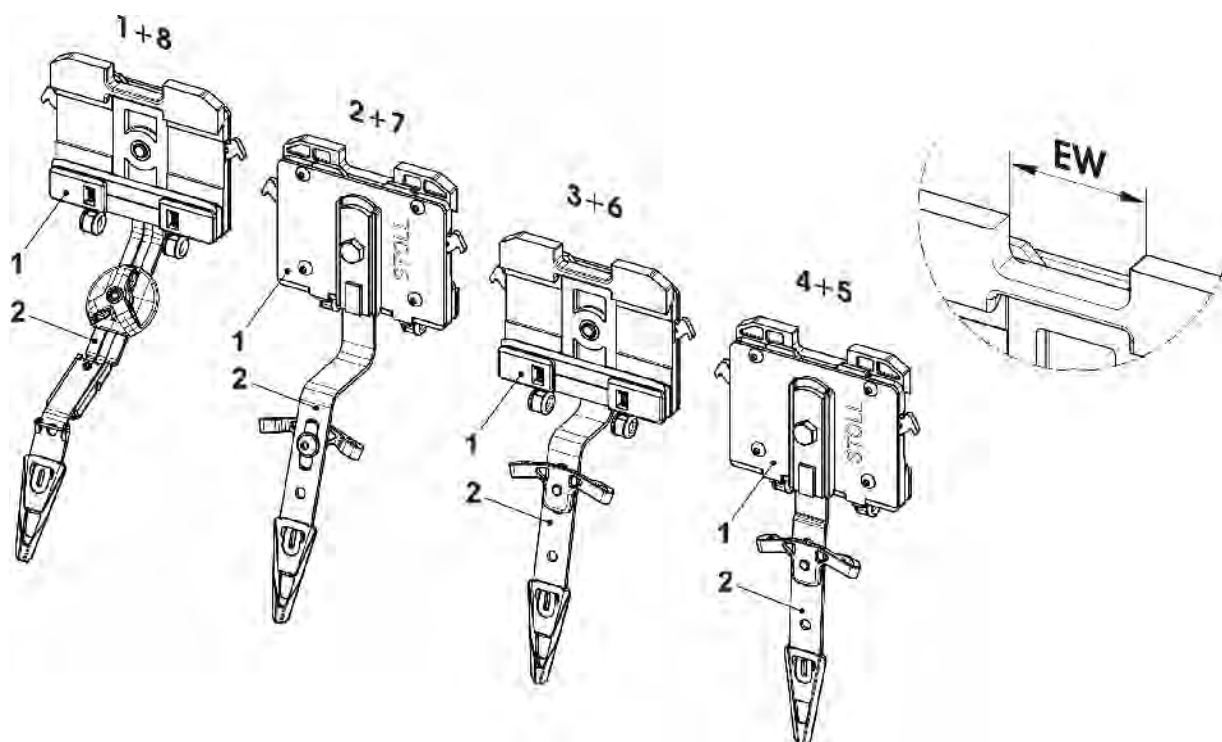
17.1 Yarn carrier type 2, E5 | E2,5.2 | E3,5.2 | E5.2

Track	Pos	Designation	Id	Track	Track	Id	
1+8	FF carriage 1+8 complete EW 23		260 008	3+6	FF carriage 3+6 complete EW 23		260 010
	1	FF carriage EW 23	258 326		1	FF carriage EW 23	258 326
	2	FF bow 1+8 complete E5	259 935		2	FF bow 3+6 complete E5	259 937
	FF carriage 1+8 complete EW 29		260 023		FF carriage 3+6 complete EW 29		260 025
	1	FF carriage EW 29	259 034		1	FF carriage EW 29	259 034
	2	FF bow 1+8 complete E5	259 935		2	FF bow 3+6 complete E5	259 937
	FF carriage 1+8 complete EW 43		260 027		FF carriage 3+6 complete EW 43		260 029
	1	FF carriage EW 43	259 923		1	FF carriage EW 43	259 923
	2	FF bow 1+8 complete E5	259 935		2	FF bow 3+6 complete E5	259 937
	FF carriage 1+8 complete EW 46		260 031		FF carriage 3+6 complete EW 46		260 033
	1	FF carriage EW 46	258 912		1	FF carriage EW 46	258 912
	2	FF bow 1+8 complete E5	259 935		2	FF bow 3+6 complete E5	259 937
2+7	FF carriage 2+7 complete EW 23		260 009	4+5	FF carriage 4+5 complete EW 23		260 011
	1	FF carriage EW 23	258 326		1	FF carriage EW 23	258 326
	2	FF bow 2+7 complete E5	259 936		2	FF bow 4+5 complete E5	259 938
	FF carriage 2+7 complete EW 29		260 024		FF carriage 4+5 complete EW 29		260 026
	1	FF carriage EW 29	259 034		1	FF carriage EW 29	259 034
	2	FF bow 2+7 complete E5	259 936		2	FF bow 4+5 complete E5	259 938
	FF carriage 2+7 complete EW 43		260 028		FF carriage 4+5 complete EW 43		260 030
	1	FF carriage EW 43	259 923		1	FF carriage EW 43	259 923
	2	FF bow 2+7 complete E5	259 936		2	FF bow 4+5 complete E5	259 938
	FF carriage 2+7 complete EW 46		260 032		FF carriage 4+5 complete EW 46		260 034
	1	FF carriage EW 46	258 912		1	FF carriage EW 46	258 912
	2	FF bow 2+7 complete E5	259 936		2	FF bow 4+5 complete E5	259 938



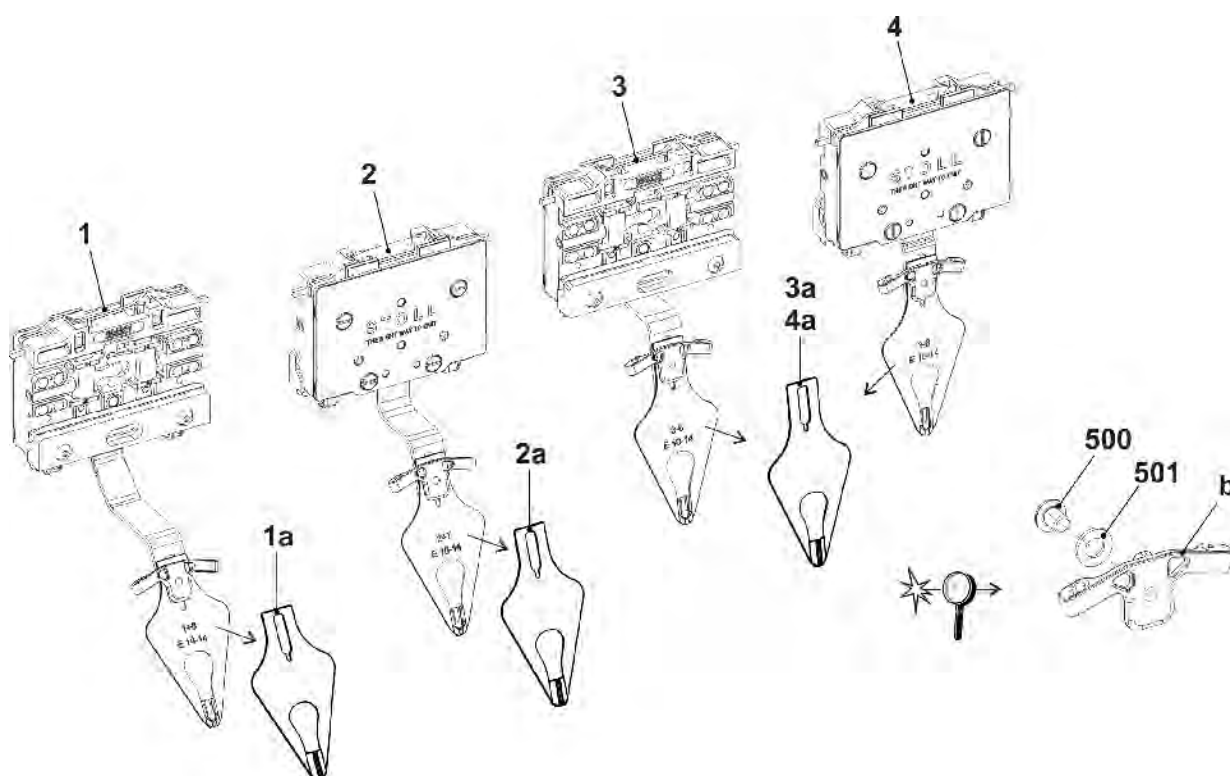
17.2 Yarn carrier type 2, E7 | E8 | E6.2

Track	Pos	Designation	Id	Track	Pos	Designation	Id
1+8		FF carriage 1+8 complete EW 23	260 035	3+6		FF carriage 3+6 complete EW 23	260 037
	1	FF carriage EW 23	258 326		1	FF carriage EW 23	258 326
	2	FF bow 1+8 complete E7-8	259 939		2	FF bow 3+6 complete E7-8	259 942
		FF carriage 1+8 complete EW 29	260 012			FF carriage 3+6 complete EW 29	260 014
	1	FF carriage EW 29	259 034		1	FF carriage EW 29	259 034
	2	FF bow 1+8 complete E7-8	259 939		2	FF bow 3+6 complete E7-8	259 942
		FF carriage 1+8 complete EW 43	260 039			FF carriage 3+6 complete EW 43	260 041
	1	FF carriage EW 43	259 923		1	FF carriage EW 43	259 923
	2	FF bow 1+8 complete E7-8	259 939		2	FF bow 3+6 complete E7-8	259 942
		FF carriage 1+8 complete EW 46	260 043			FF carriage 3+6 complete EW 46	260 045
	1	FF carriage EW 46	258 912		1	FF carriage EW 46	258 912
	2	FF bow 1+8 complete E7-8	259 939		2	FF bow 3+6 complete E7-8	259 942
2+7		FF carriage 2+7 complete EW 23	260 036	4+5		FF carriage 4+5 complete EW 23	260 038
	1	FF carriage EW 23	258 326		1	FF carriage EW 23	258 326
	2	FF bow 2+7 complete E7-8	259 941		2	FF bow 4+5 complete E7-8	259 943
		FF carriage 2+7 complete EW 29	260 013			FF carriage 4+5 complete EW 29	260 015
	1	FF carriage EW 29	259 034		1	FF carriage EW 29	259 034
	2	FF bow 2+7 complete E7-8	259 941		2	FF bow 4+5 complete E7-8	259 943
		FF carriage 2+7 complete EW 43	260 040			FF carriage 4+5 complete EW 43	260 042
	1	FF carriage EW 43	259 923		1	FF carriage EW 43	259 923
	2	FF bow 2+7 complete E7-8	259 941		2	FF bow 4+5 complete E7-8	259 943
		FF carriage 2+7 complete EW 46	260 044			FF carriage 4+5 complete EW 46	260 046
	1	FF carriage EW 46	258 912		1	FF carriage EW 46	258 912
	2	FF bow 2+7 complete E7-8	259 941		2	FF bow 4+5 complete E7-8	259 943



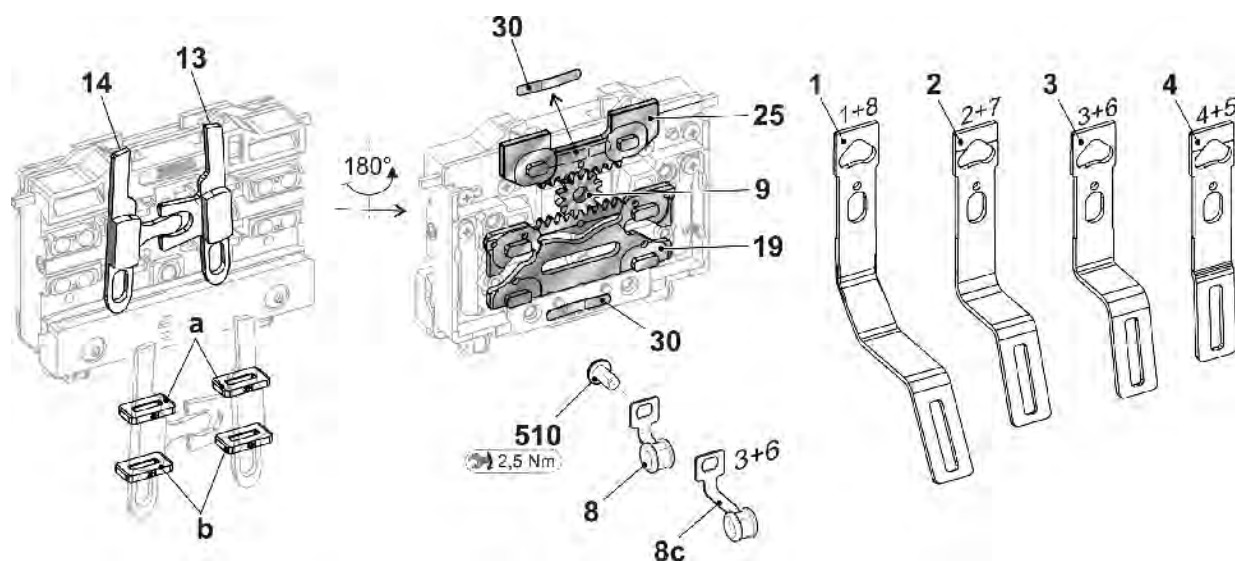
17.3 Intarsia yarn carrier type 2, Overview

Pos	Designation	Id	Pos	Designation	Id
1	IFF carriage complete 1+8 E5	259 732	1a	YC head 1+8 complete E5	244 076
	IFF carriage complete 1+8 E7-8	259 736		YC head 1+8 complete E7-8	244 082
	IFF carriage complete 1+8 E10-14	259 740		YC head 1+8 complete E10-14	260 612
	IFF carriage complete 1+8 E16-18	259 744		YC head 1+8 complete E16-18	261 516
2	IFF carriage complete 2+7 E5	259 733	2a	YC head 2+7 complete E5	244 077
	IFF carriage complete 2+7 E7-8	259 737		YC head 2+7 complete E7-8	244 083
	IFF carriage complete 2+7 E10-14	259 741		YC head 2+7 complete E10-14	260 614
	IFF carriage complete 2+7 E16-18	259 745		YC head 2+7 complete E16-18	261 517
3	IFF carriage complete 3+6 E5	259 734	3a	YC head 3-6 complete E5	244 078
	IFF carriage complete 3+6 E7-8	259 738		YC head 3-6 complete E7-8	244 084
	IFF carriage complete 3+6 E10-14	259 742		YC head 3-6 complete E10-14	260 610
	IFF carriage complete 3+6 E16-18	259 746		YC head 3-6 complete E16-18	261 518
4	IFF carriage complete 4+5 E5	259 735	500	Pan head screw M4x5	239 549
	IFF carriage complete 4+5 E7-8	259 739	501	Washer	020 870
	IFF carriage complete 4+5 E10-14	259 743	b	Yarn guide angle	242 863
	IFF carriage complete 4+5 E16-18	259 747			



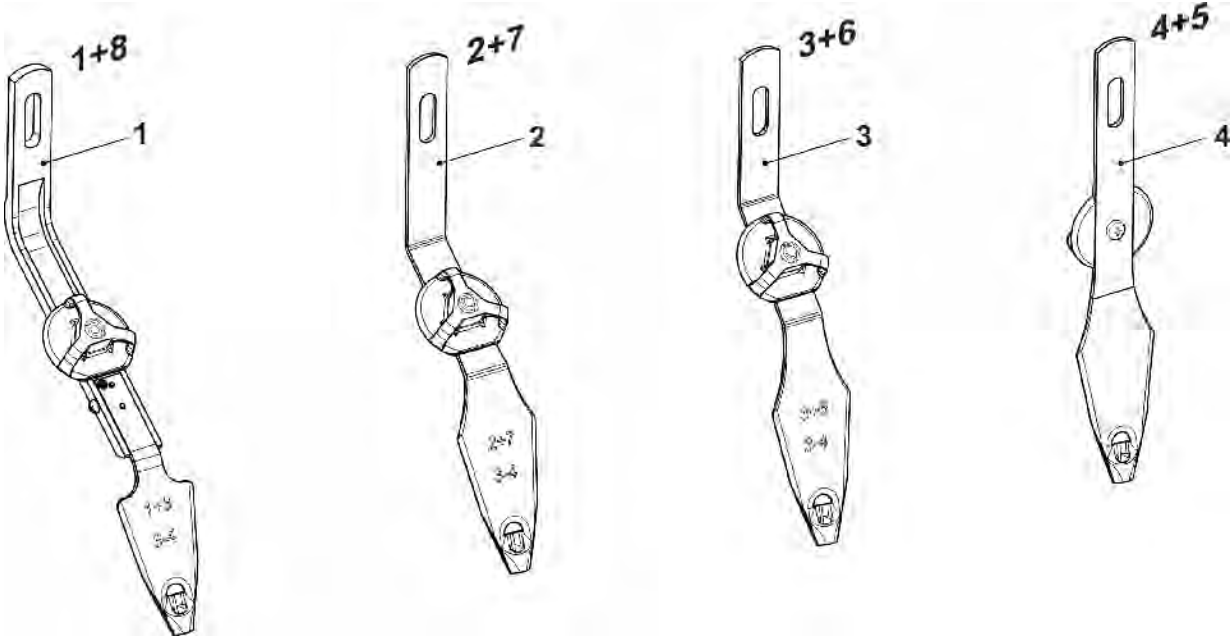
17.3.1 Continuation Intarsia yarn carrier type 2

Pos	Designation	Id	Pos	Designation	Id
Σ	IFF carriage 1+8	259 728	1	FF bow 1+8	259 719
	IFF carriage 2+7	259 729	2	FF bow 2+7	259 720
	IFF carriage 3+6	259 730	3	FF bow 3+6	259 721
	IFF carriage 4+5	259 731	4	FF bow 4+5	259 722
8	Eyelet holder complete	260 702	a	Pressure plate 2,02 H	262 433
8c	Eyelet holder complete	260 700		Pressure plate 2,04 H	262 434
9	Gear wheel	244 031	b	Pressure plate 2,02 H	262 572
13	Clamping lever on the rightH3	262 019		Pressure plate 2,04 H	262 573
14	Clamping lever on the leftH3	262 018		Pressure plate 2,06 H	262 574
19	Slider at the bottom	259 653		Pressure plate 2,08 H	262 576
25	Slider	260 548	510	Pan head screw M4x8	023 579
30	Leaf spring	260 527			



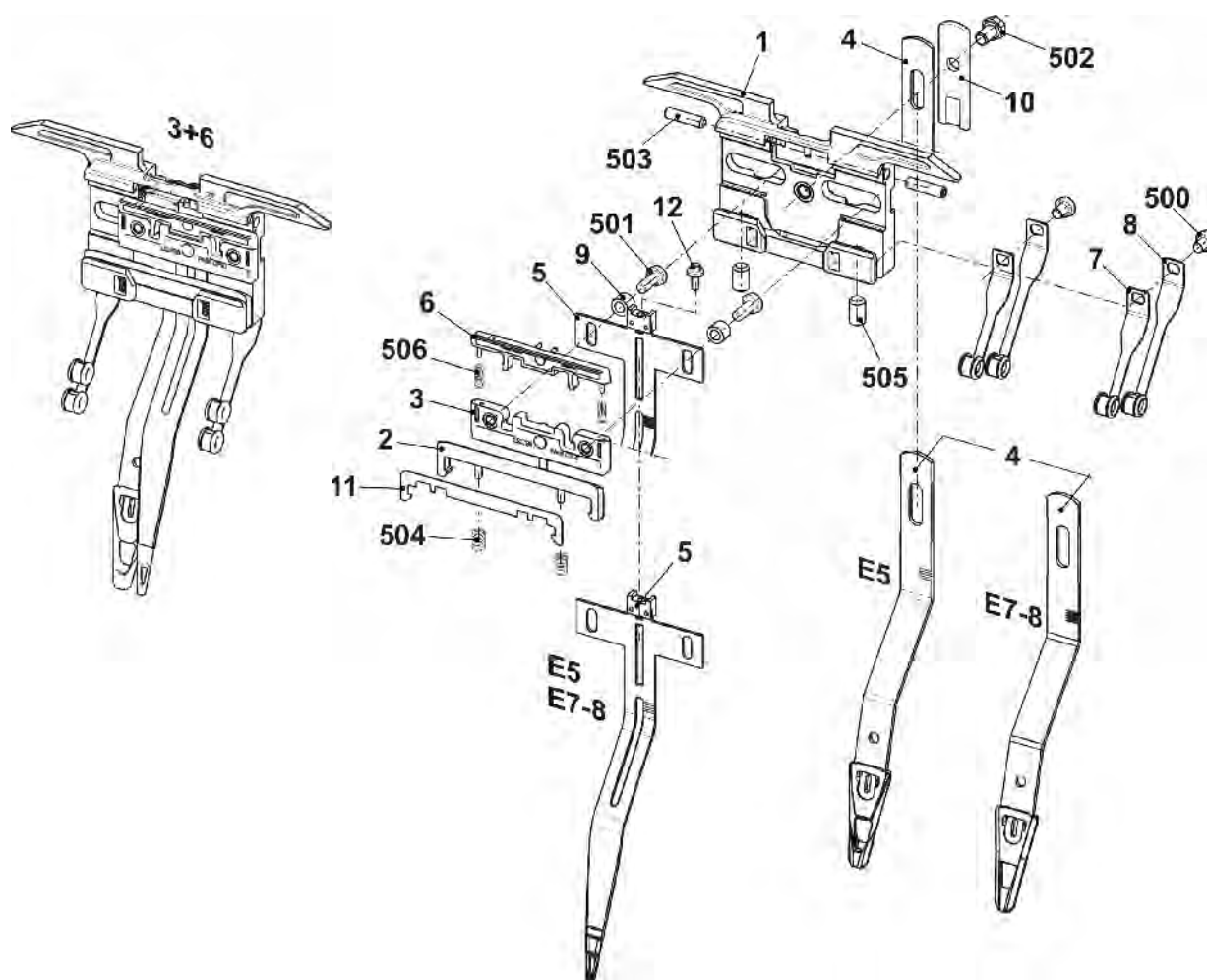
17.4 FF bow E2,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
1	FF bow 1+8 complete E3-4	261 546	3	FF bow 3+6 complete E3-4	261 136
2	FF bow 2+7 complete E3-4	261 547	4	FF bow 4+5 complete E3-4	261 137



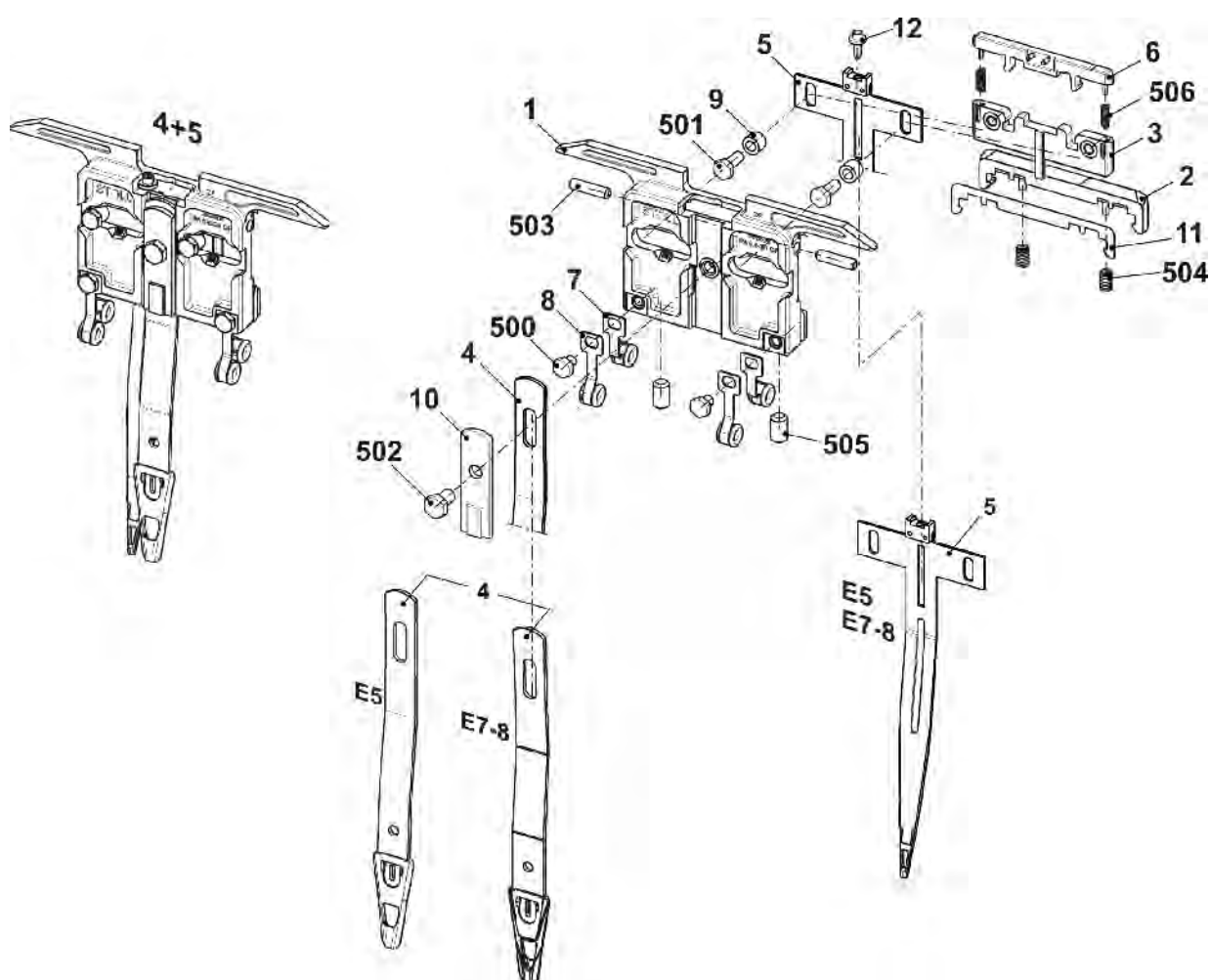
17.5 Plating yarn carrier 3+6

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 3+6 complete		8	Eyelet holder complete	252 824
	E5 E2,5.2 E3,5.2 E5.2	252 782	9	Distance bushing	252 796
	E7 E8	252 784	10	Shim	213 035
1	Plating yarn carrier carriage	252 806	11	Shim	216 143
2	Sliding piece	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 3+6		501	Hexagon screwM4x10	020 346
	E5	252 820	502	Hexagon screw	252 832
	E7-8	252 821	503	Setscrew 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



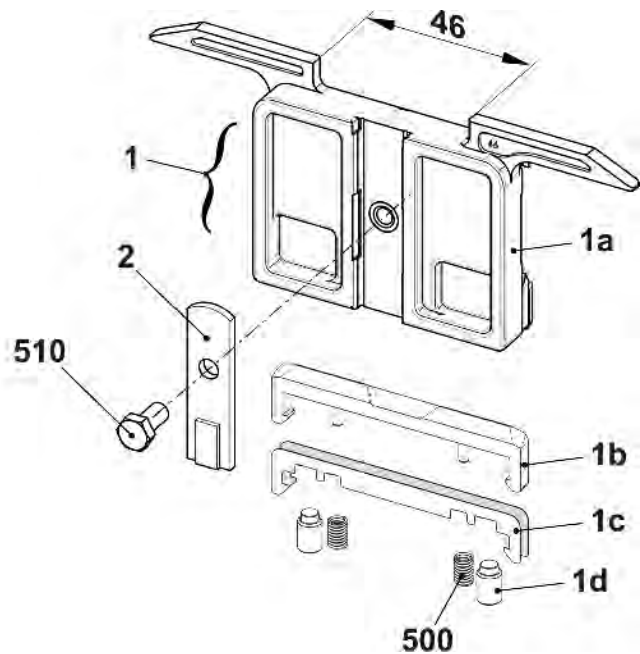
17.6 Plating yarn carrier 4+5

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 4+5 complete		8	Eyelet holder complete	252 816
	E5 E2,5.2 E3,5.2 E5.2	252 781	9	Distance bushing	252 796
	E7 E8	252 783	10	Shim	213 035
1	Plating yarn carrier carriage	252 806	11	Shim	216 143
2	Sliding piece	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screw M4x5	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	Setscrew 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



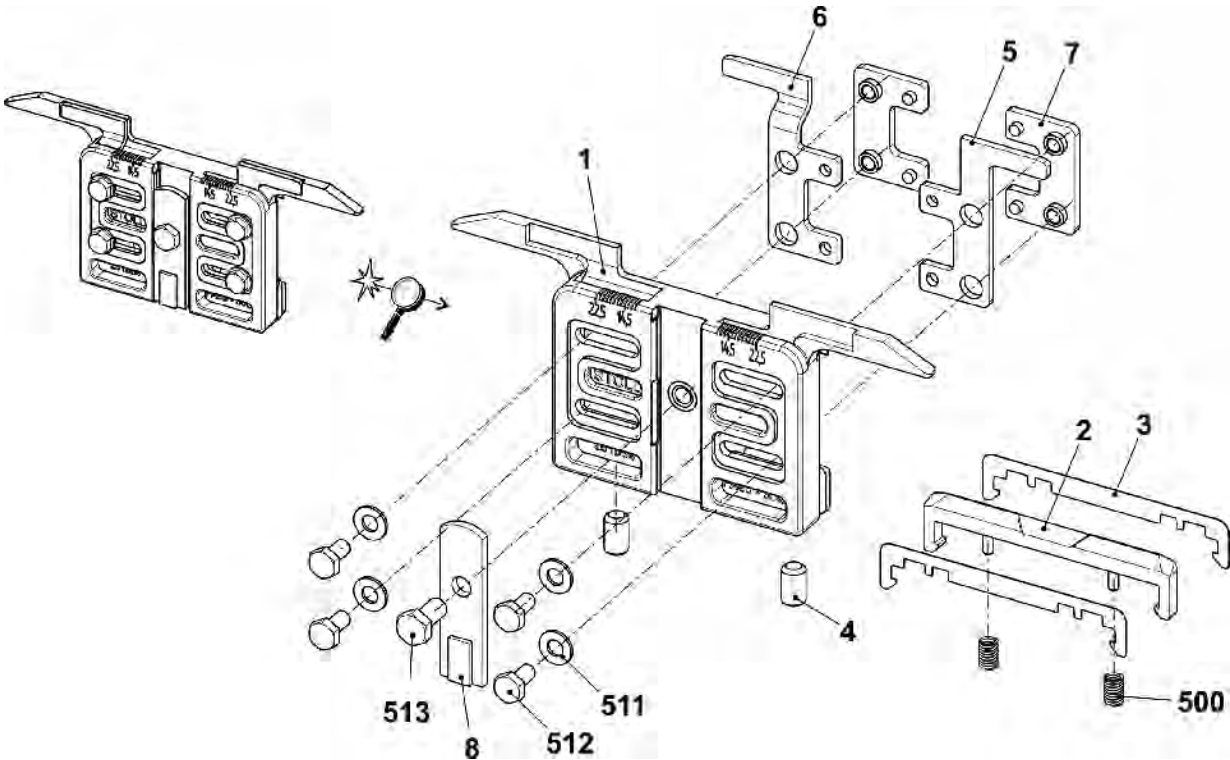
17.7 Carriage of plating yarn carrier EW 46

Pos	Designation		Id	Pos	Designation		Id
B	Plating FF carriage complete EW 46		244 998				
1	FF carriage EW 46		244 253		1d	Threaded bolt	213 399
	1a	FF carriage	243 881		500	Compression spring 4,0x0,55x11	021 399
	1b	Sliding piece	212 583	2	Shim		213 035
	1c	Shim	216 143	510	Hexagon screw M5x10		020 351



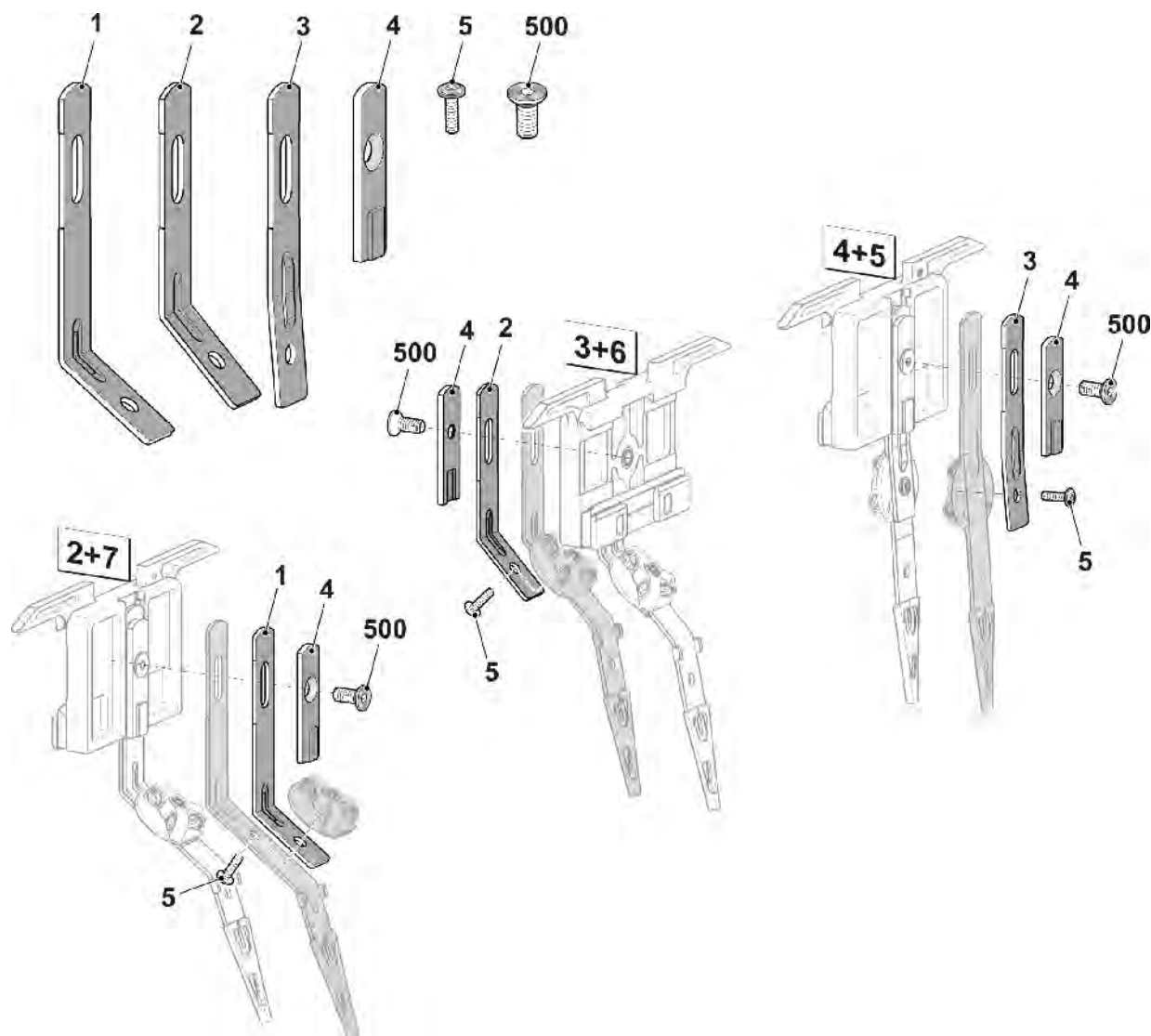
17.8 Carriage of plating yarn carrier (adjustable)

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage complete	251 867			
1	Carriage of yarn carrier	251 864	7	Guide part	253 226
2	Sliding piece	212 583	8	Shim	213 035
3	Shim	216 143	500	Compression spring	021 399
4	Threaded bolt	213 399	511	Washer 4	022 481
5	Insert on the right	251 866	512	Hexagon screwM4x8	022 461
6	Insert on the left	251 865	513	Hexagon screwM5x10	020 351



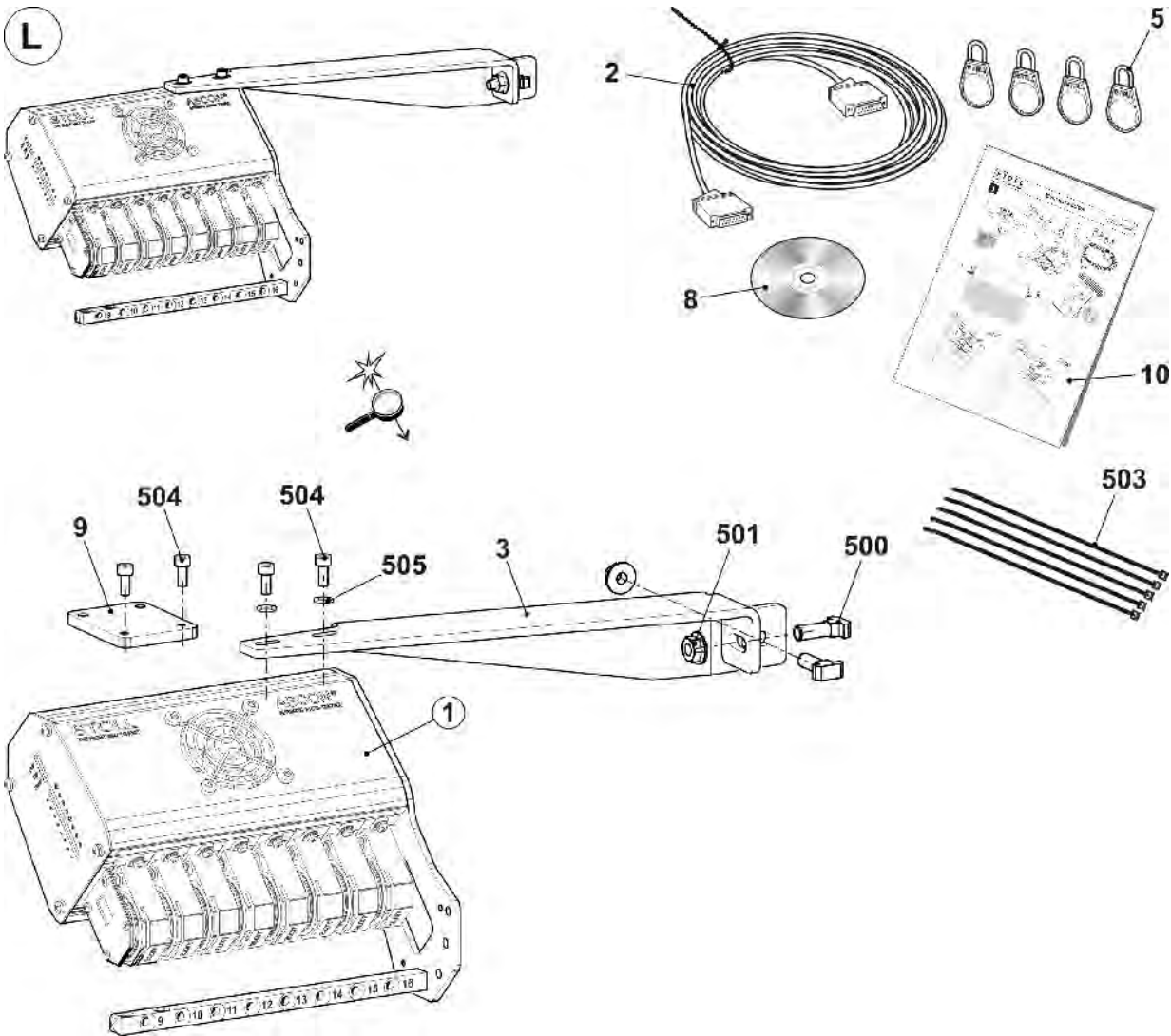
17.9 FF bow stabilization complete

Pos	Designation	Id	Pos	Designation	Id
Σ	FF bow stabilization complete	267 431			
1	FF bow stabilization 4+5	267 414	4	Shim	267 417
2	FF bow stabilization 3+6	267 415	5	Oval head flange screw	267 413
3	FF bow stabilization 2+8	267 416	500	Countersunk screw M5x12	023 340



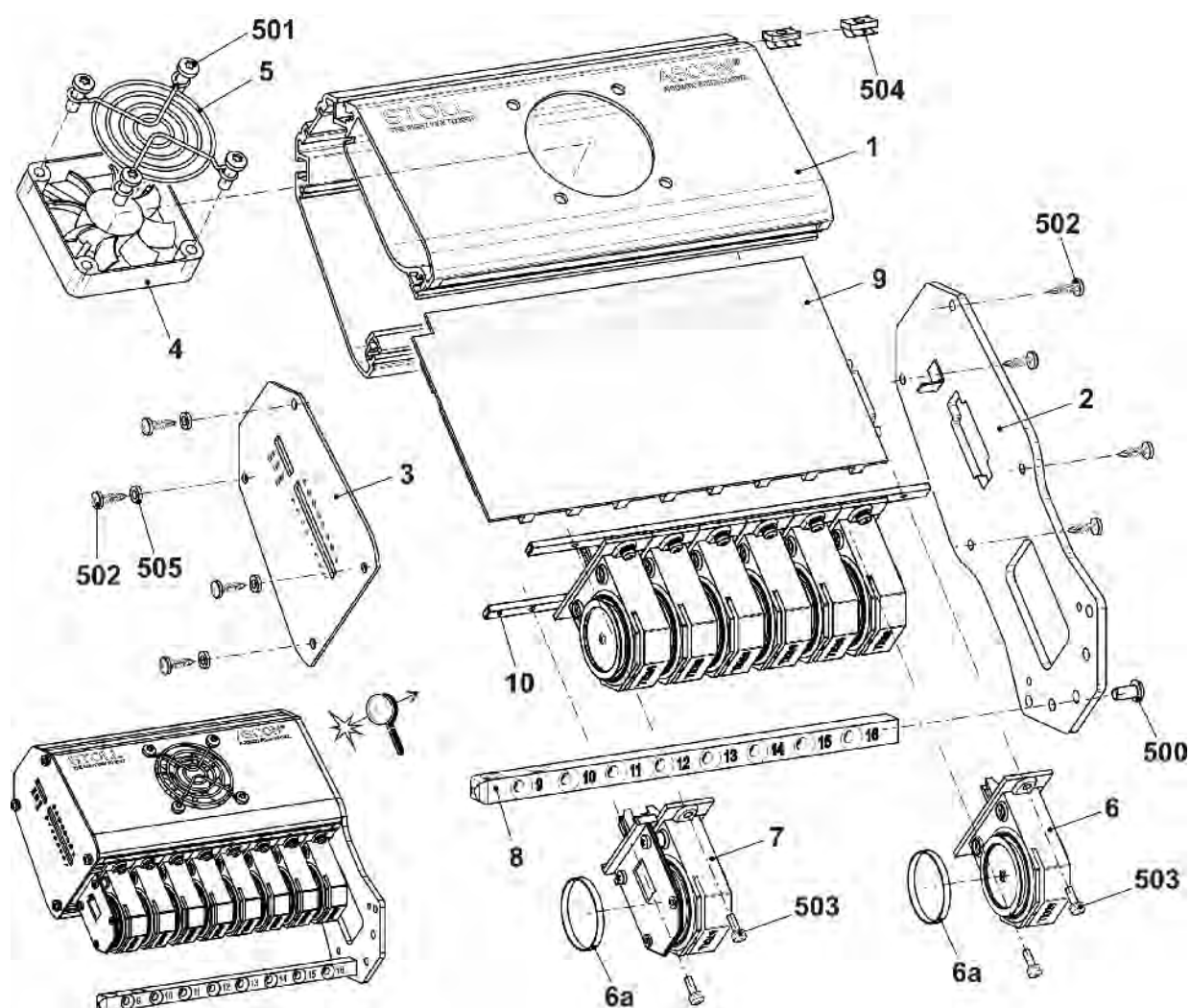
17.10 Yarn length measuring device on the left complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	265 391			
1	Yarn length measuring device on the left complete	257 283	10	Operating instructions of ASCON assembly	266 069
2	Cable ASCON	257 239	500	T-head bolt M8x25	022 866
3	Support on the left	265 046	501	Serrated nut M8-10	023 026
5	Adjustment weight	212 241	503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391	504	Cap screw M5x12	020 132
9	Holding plate	258 386	505	Washer 5	020 871



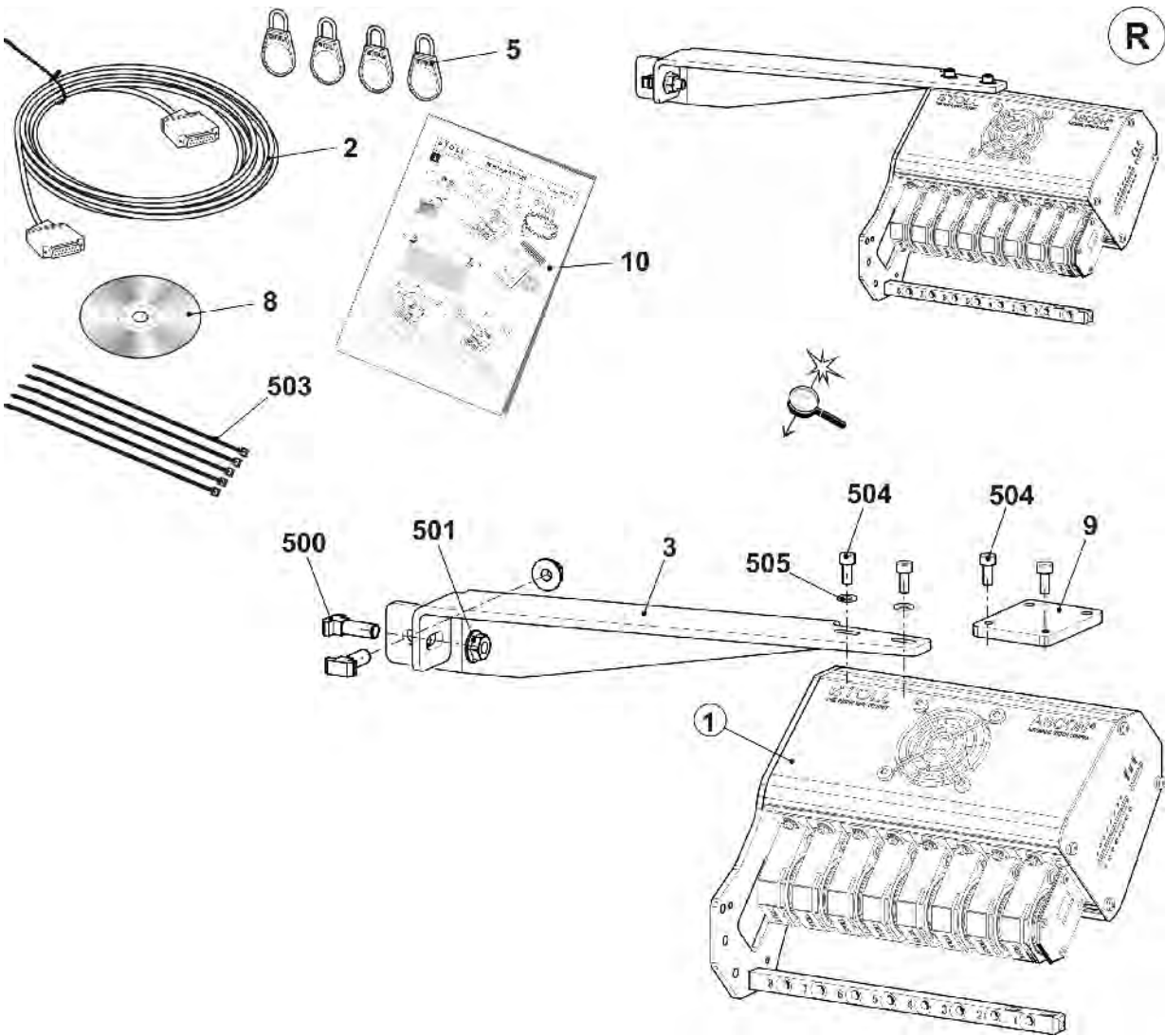
17.10.1 Yarn length measuring device

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	257 283	8	Yarn guide rod	257 139
1	Housing	257 281	9	Card Ascon	255 000
2	Support	257 278	10	Threaded strip	257 138
3	Cover	257 273	500	Pan-head screw M5x10	023 247
4	Fan with plug	257 048	501	Screw 50x15	251 728
5	Protective grid fan Servo5	229 142	502	Sheet metal screw ST3,5x13	022 940
6	Sensor	211 354	503	Oval head screw with washer M3x10	023 380
6a	Rubber running ring	258 582	504	Spring nut M5	022 873
7	Sensor complete	212 406	505	Serrated lock washer J3,7	022 554



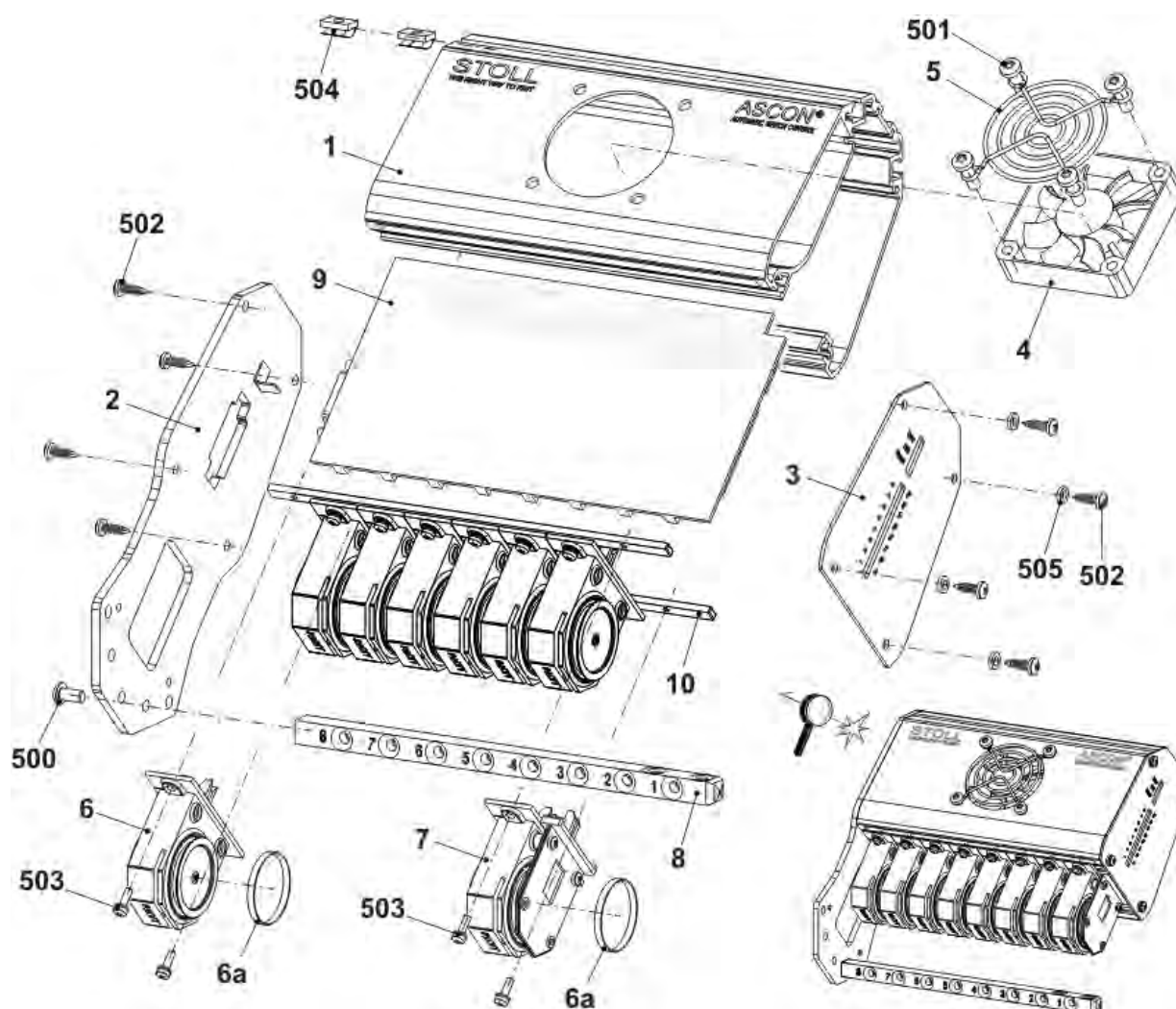
17.11 Yarn length measuring device on the right complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	265 392			
1	Yarn length measuring device on the right complete	257 282	10	Operating instructions of ASCON assembly	266 069
2	Cable ASCON	257 239	500	T-head bolt M8x25	022 866
3	Support right	265 045	501	Serrated nut M8-10	023 026
5	Adjustment weight	212 241	503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391	504	Cap screw M5x12	020 132
9	Holding plate	258 386	505	Washer 5	020 871



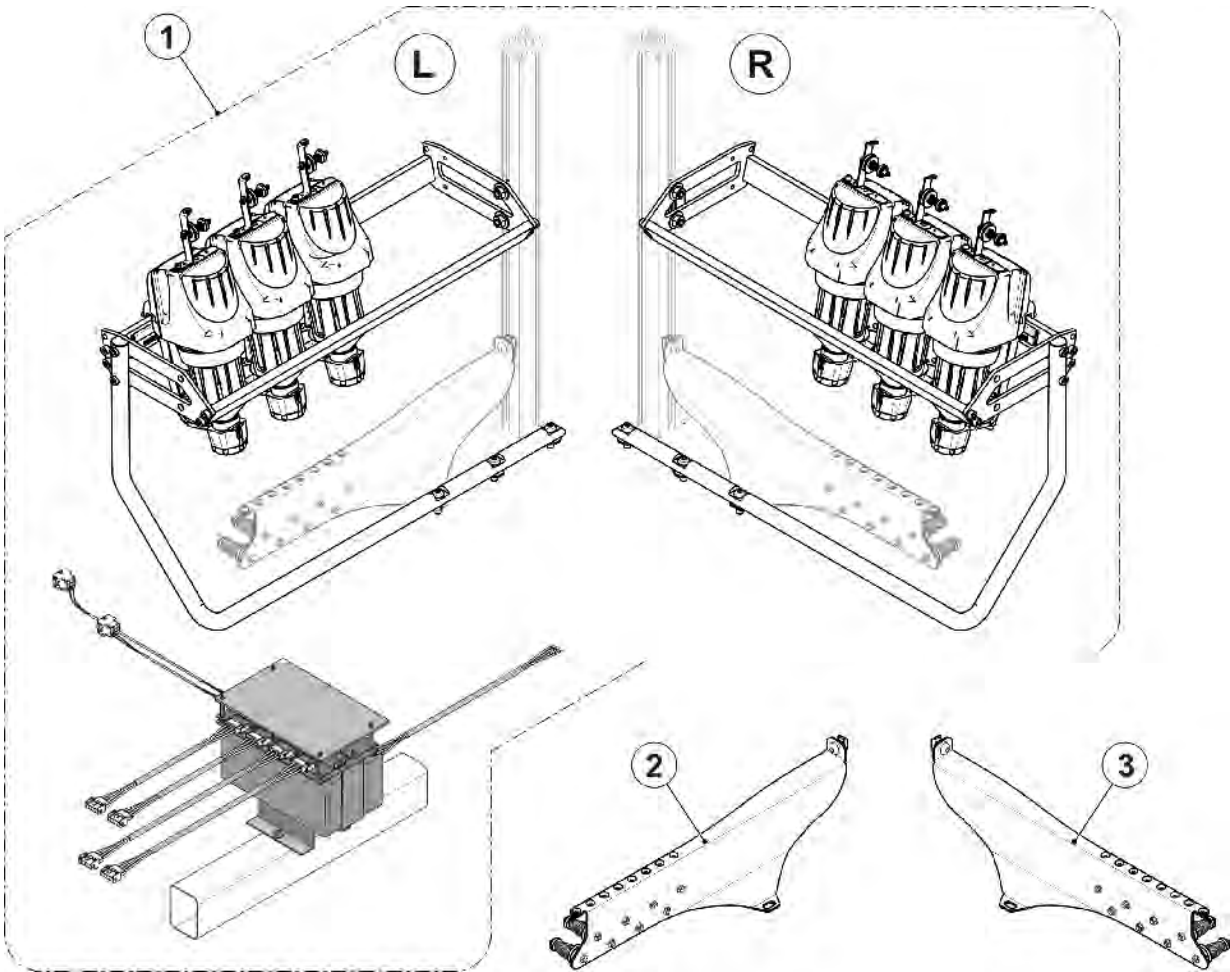
17.11.1 Yarn length measuring device on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 282	8	Yarn guide rod	257 139
1	Housing	257 281	9	Card Ascon	255 000
2	Support	257 278	10	Threaded strip	257 138
3	Cover	257 273	500	Pan-head screw M5x10	023 247
4	Fan with plug	257 048	501	Screw 50x15	251 728
5	Protective grid fan Servo5	229 142	502	Sheet metal screw ST3,5x13	022 940
6	Sensor	211 354	503	Oval head screw with washer M3x10	023 380
6a	Rubber running ring	258 582	504	Spring nut M5	022 873
7	Sensor complete	212 406	505	Serrated lock washer J3,7	022 554



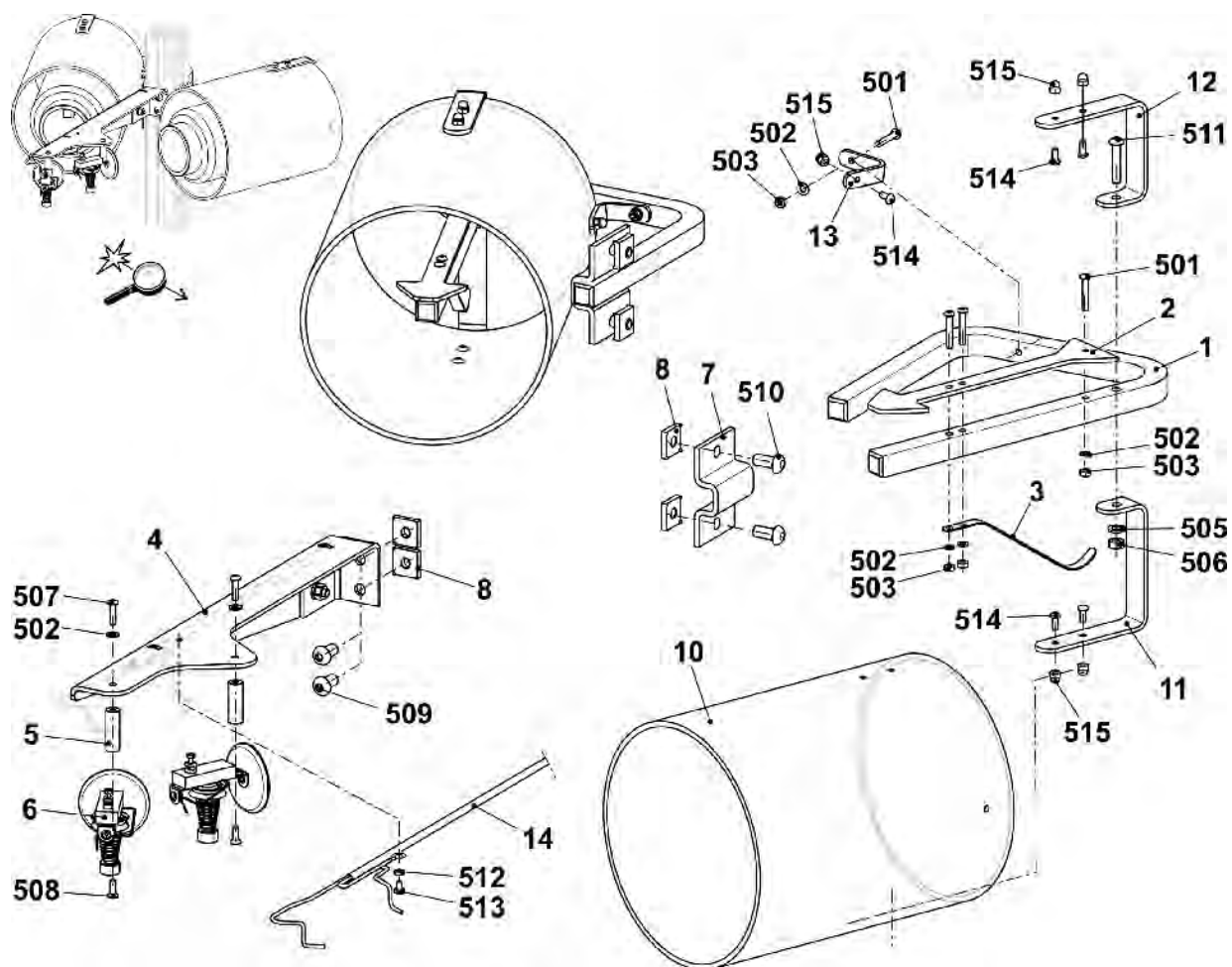
17.12 Storage feed wheel MSF-3 complete E3-8

Pos	Designation	ID	Note
Σ	Storage feed wheel MSF-3 complete E3-8		Please order the spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Phone: +49 (0)7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the MSF-3 spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.
1	Assembly kit MSF-3complete	267 359	
2	Stopping device on the left complete E3-8	265 601	
3	Stopping device on the right complete E3-8	265 602	



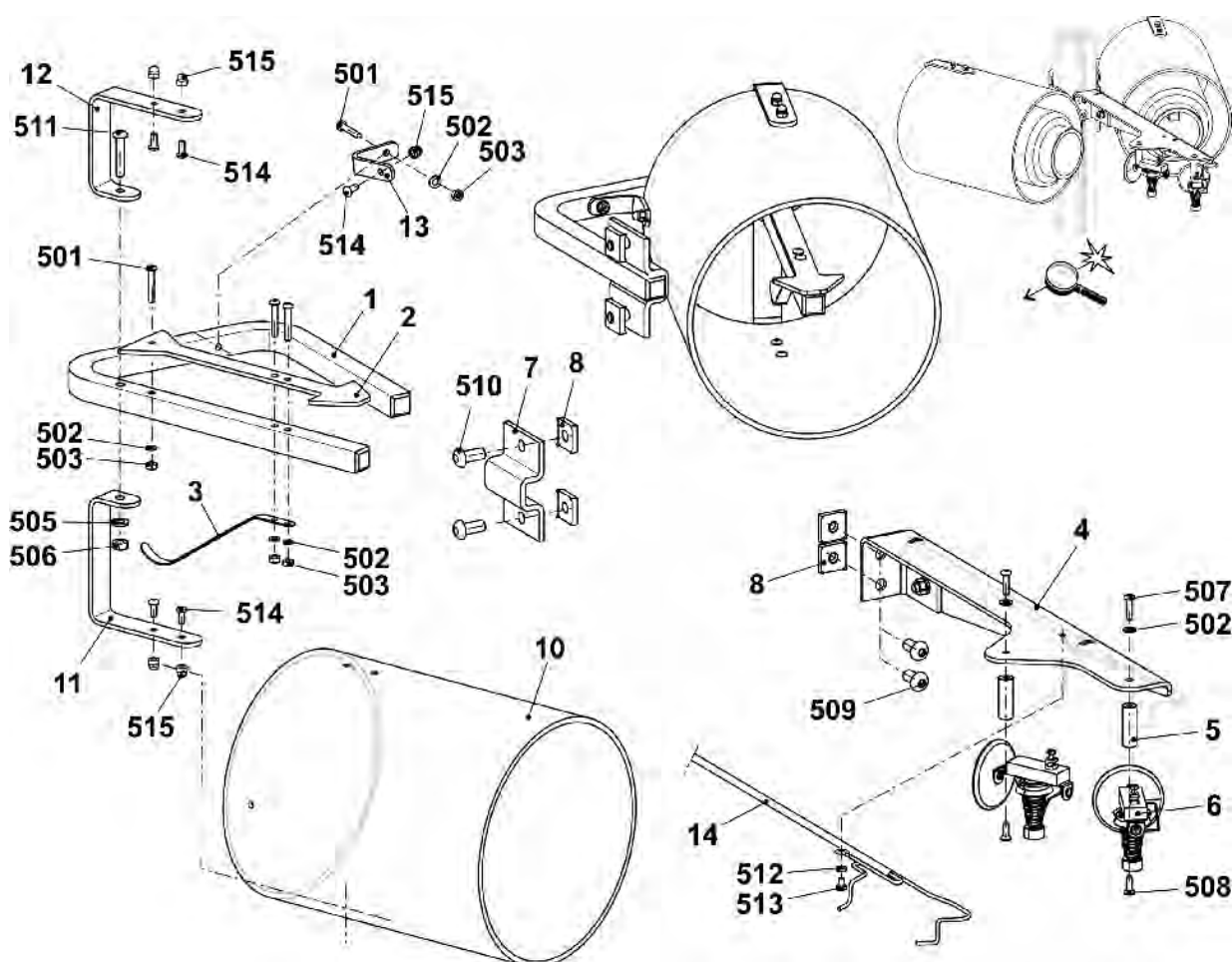
17.13 Bobbin holder on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the left	253 965	501	Pan-head screw M4x25	023 511
1	Support	253 969	502	Washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer 6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screw M4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screw M8x16	023 113
8	Slot nut	228 851	510	Pan-head screw M8x18	251 331
10	Cover	253 968	511	Pan-head screw M6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screw M4x6	022 946
13	Holding angle	253 967	514	Pan-head screw M4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



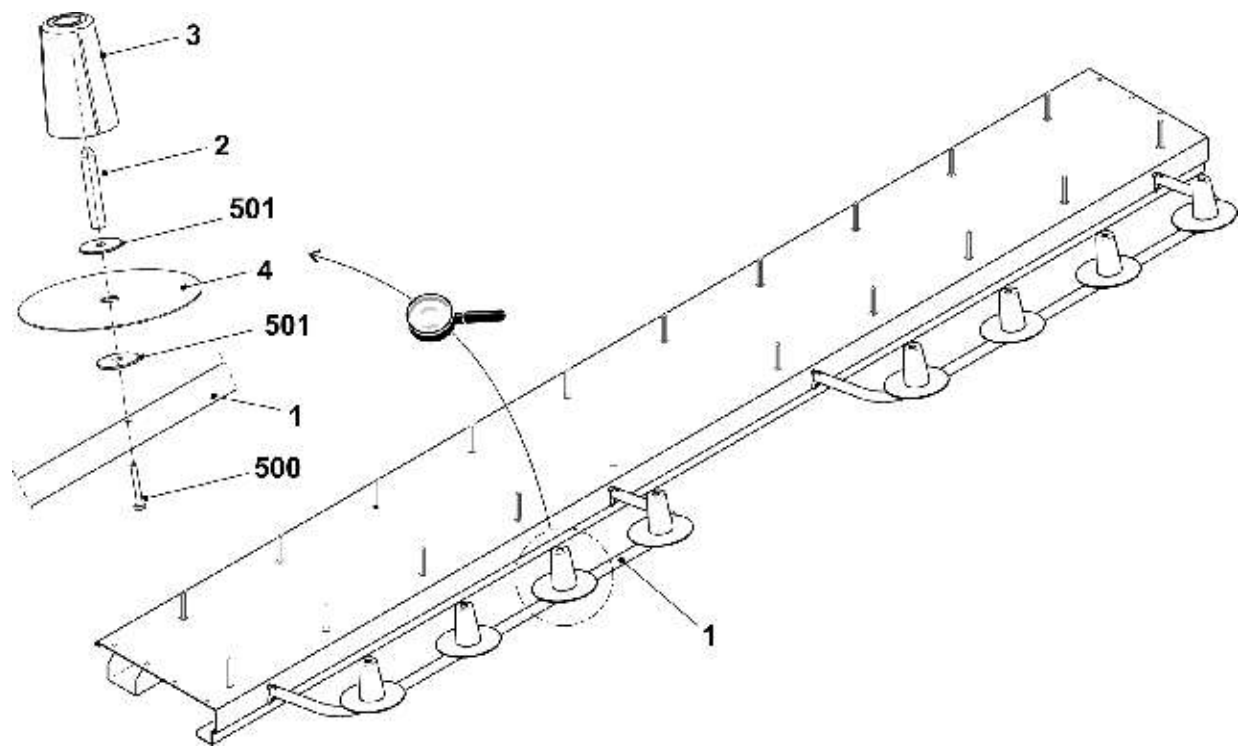
17.14 Bobbin holder on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the right	253 966	501	Pan-head screw M4x25	023 511
1	Support	253 969	502	Washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer 6	022 431
4	Support right	253 348	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screw M4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screw M8x16	023 113
8	Slot nut	228 851	510	Pan-head screw M8x18	251 331
10	Cover	253 968	511	Pan-head screw M6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screw M4x6	022 946
13	Holding angle	253 967	514	Pan-head screw M4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



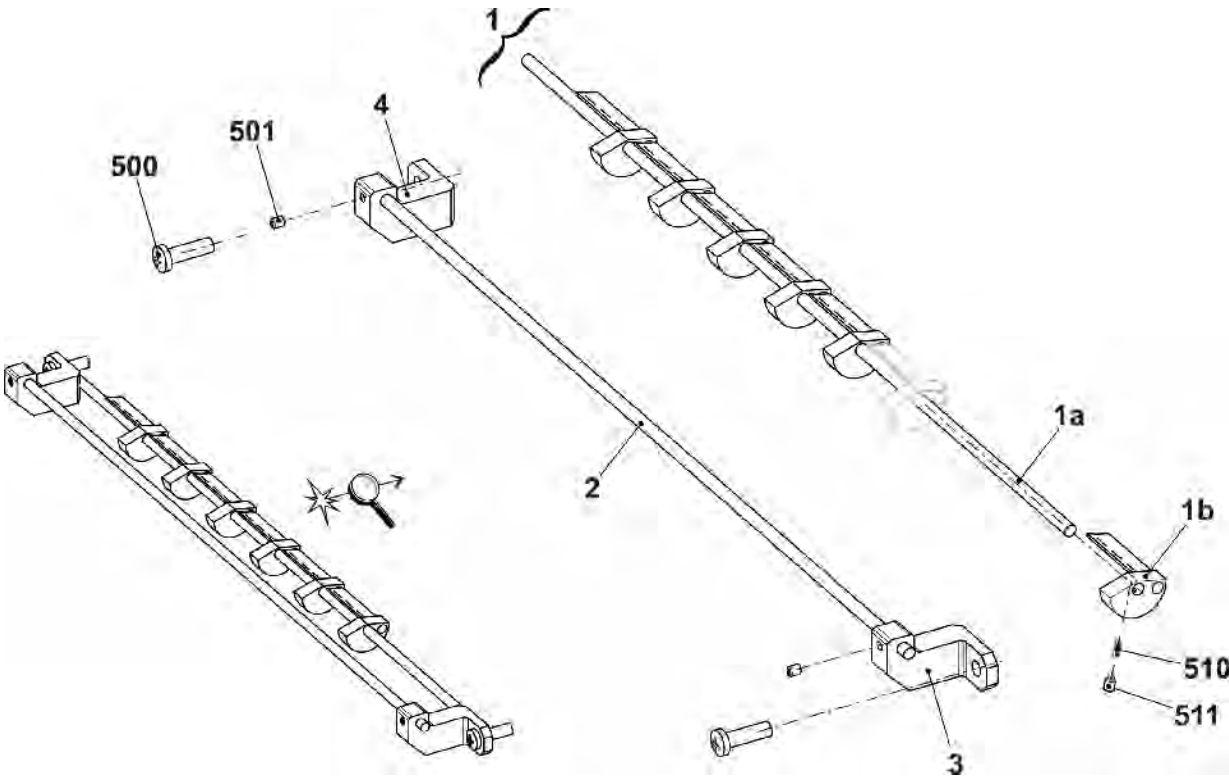
17.15 Additional bobbin board

Pos	Designation	Id	Pos	Designation	Id
Σ	Additional bobbin board 5XX	241 852			
1	Additional bobbin board welded	241 851	4	DiskD=130	062 385
2	Positioning pin	202 777	500	Pan-head screw M4x35	266 663
3	Bobbin support	200 363	501	Washer 5,3x30x1,25	023 556



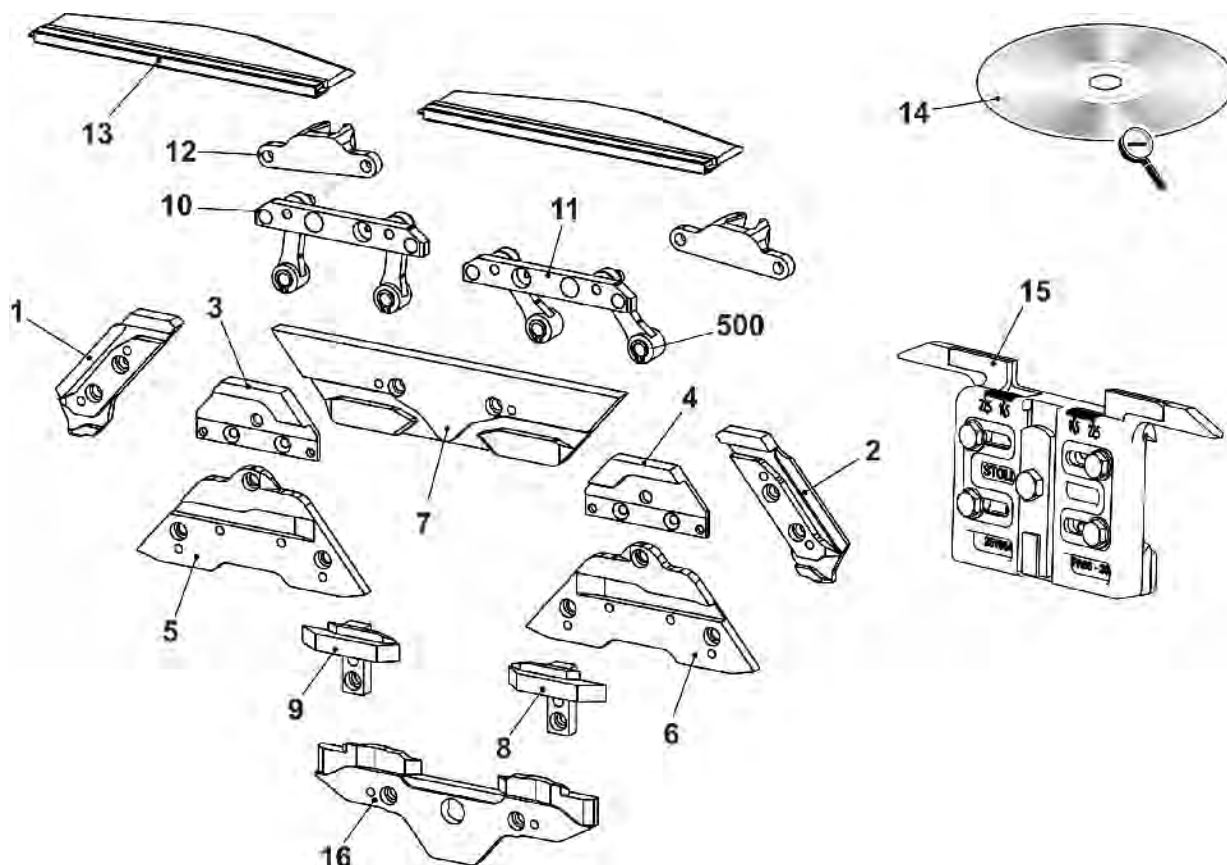
17.16 Sanding Paper Brake

Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit sanding paper brake	257 674			
1	Axle complete	257 509	2	Shaft	241 318
1a	Shaft	241 318	3	Support sanding paper brake	257 586
1b	Adjusting part	257 508	4	Support sanding paper brake on the left	257 626
510	Compression spring 0,32x2,51x14,20	237 444	500	Screw KB 60x20	237 682
511	Setscrew M4x6	022 955	501	Setscrew M4x5	023 088



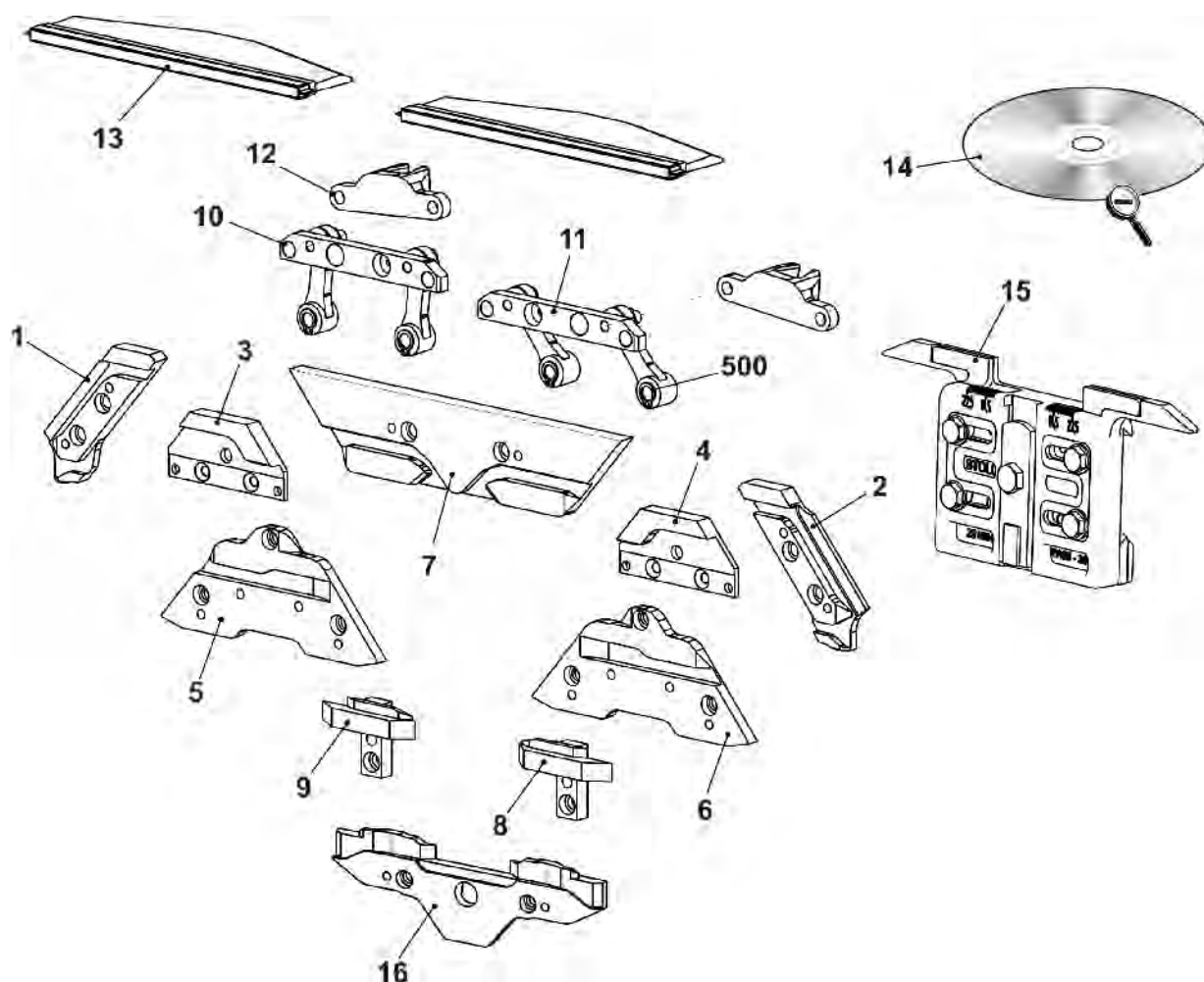
17.17 Devoré Kit E3,5.2 | E5

Pos	Designation	Id	Pos	Designation	Id
Σ	Devoré Kit	263 662	9	Pressure part on the rightE3,5.2	263 558
1	Stitch cam on the left E3,5.2	263 554	10	Slider on the left completeE7-12	218 777
2	Stitch cam on the right E3,5.2	263 555	11	Slider on the right completeE7-12	218 778
3	Limiting cam on the left E3,5.2	263 550	12	Plunger wide	260 926
4	Limiting cam on the right E3,5.2	263 551	13	Brush E9.2	237 977
5	Raising cam on the leftE3,5.2	264 962	14	Conversion DVD	260 696
6	Raising cam on the rightE3,5.2	264 963	15	Plating yarn carrier carriage complete	251 867
7	BridgeE3,5.2	263 721	16	Cam (PL)	218 213
8	Pressure part on the leftE3,5.2	263 557	500	Retaining ring5x0,6	023 347



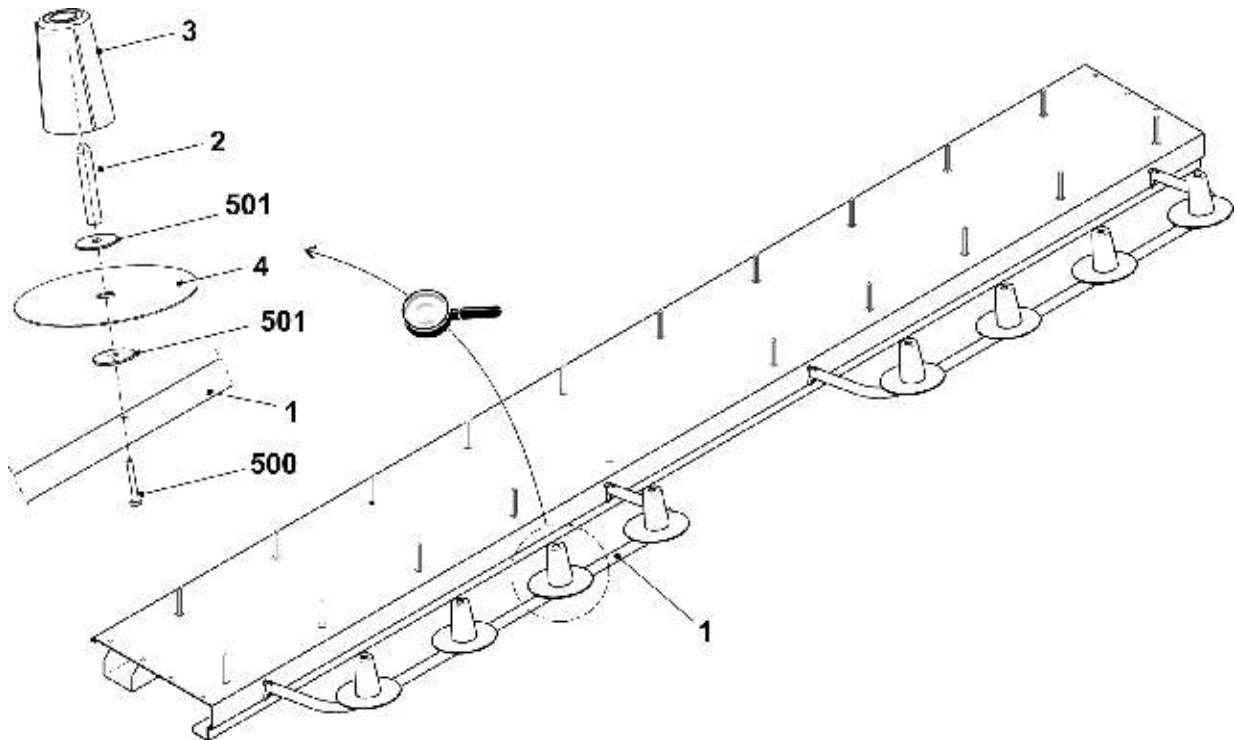
17.18 Devoré Kit E7

Pos	Designation	Id	Pos	Designation	Id
Σ	Devoré Kit complete E7	264 249	9	Pressure part on the rightE3,5.2	263 558
1	Stitch cam on the left E7	264 157	10	Slider on the left completeE7-12	218 777
2	Stitch cam on the right E7	264 158	11	Slider on the right completeE7-12	218 778
3	Limiting cam on the left E7	264 171	12	Plunger wide	260 926
4	Limiting cam on the right E7	264 172	13	BrushE9.2	237 977
5	Raising cam on the leftE7	264 173	14	Conversion DVD	260 696
6	Raising cam on the rightE7	264 174	15	Plating yarn carrier carriage complete	251 867
7	BridgeE7	264 169	16	Cam (PL)	218 213
8	Pressure part on the leftE3,5.2	263 557	500	Retaining ring5x0,6	023 347



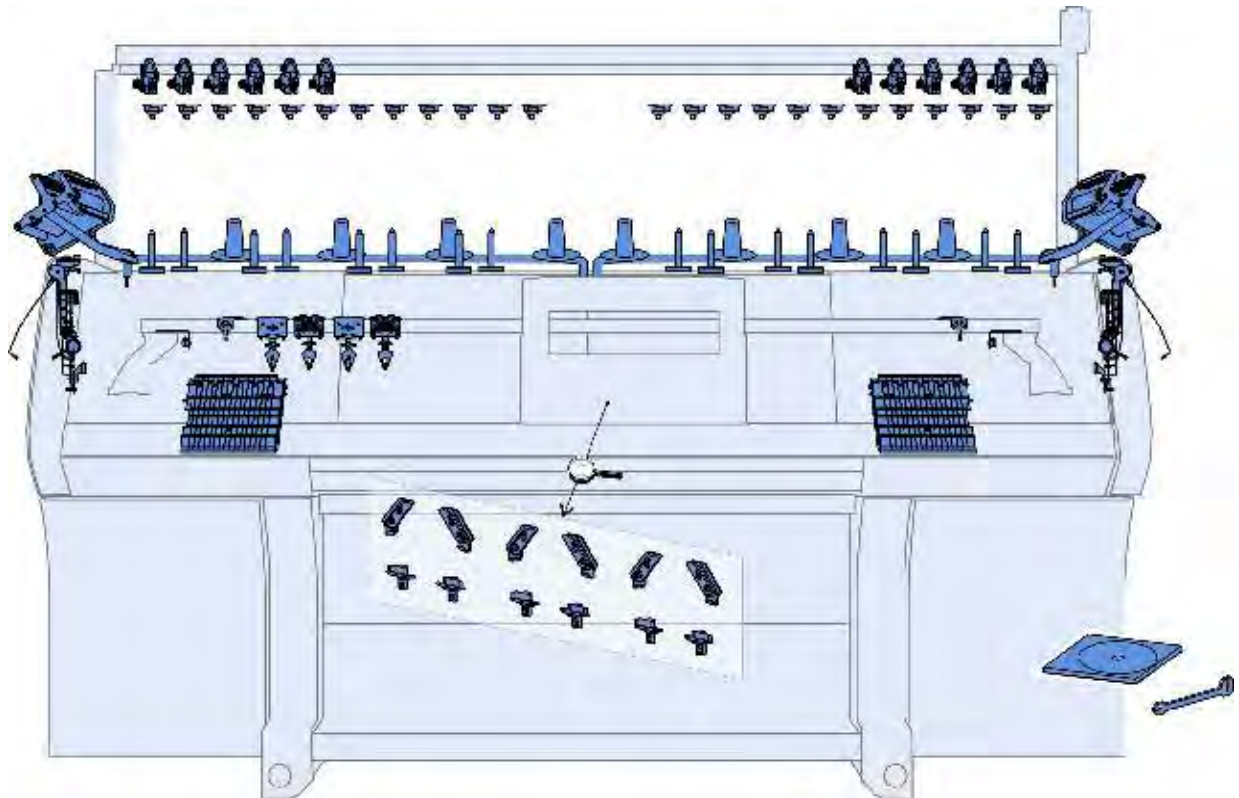
17.19 Additional bobbin board

Pos	Designation	Id	Pos	Designation	Id
Σ	Additional bobbin board 5XX	241 852			
1	Additional bobbin board welded	241 851	4	DiskD=130	062 385
2	Positioning pin	202 777	500	Pan-head screw M4x35	266 663
3	Bobbin support	200 363	501	Washer 5,3x30x1,25	023 556



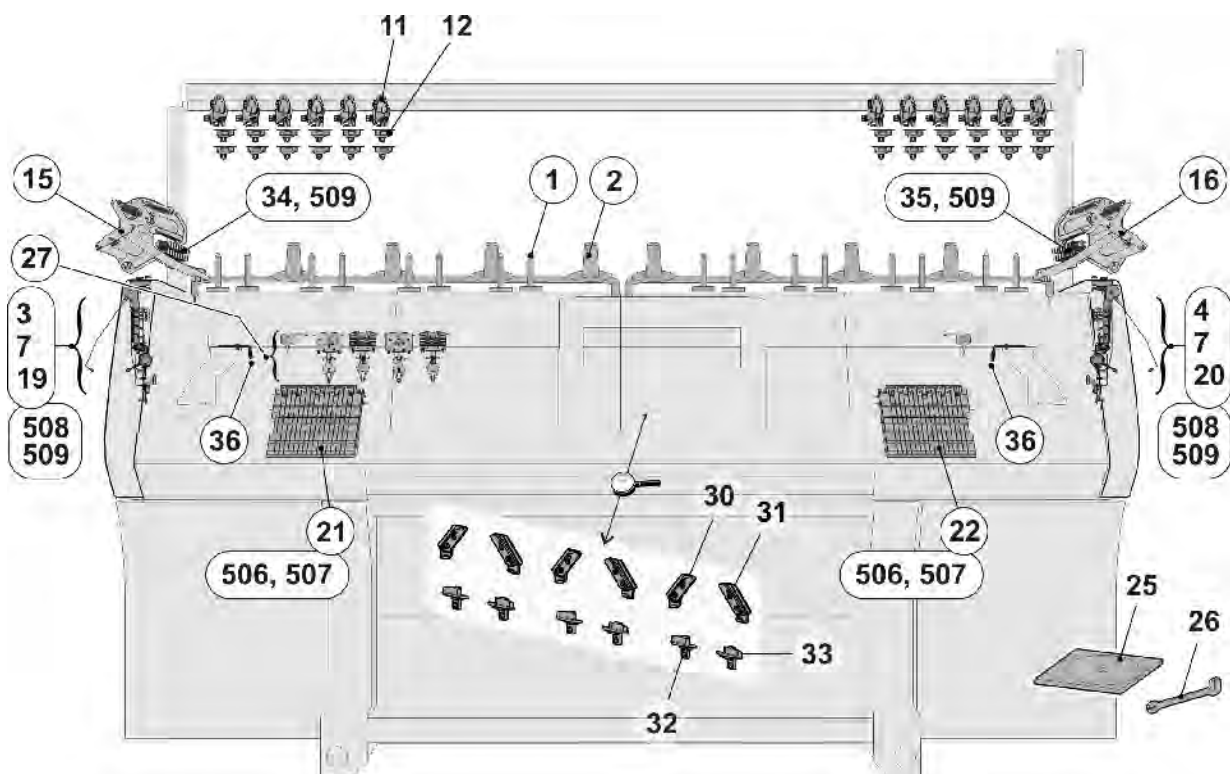
18 Conversion kit with 32 and 24 IFF Type 2

	Designation	ID
24 IFF	Conversion kit 24 IFF Type 2E5	257 451
	Conversion kit 24 IFF Type 2E7 E8	257 452
32 IFF	Conversion kit 32 IFF Type 2 E5	257 384
	Conversion kit 32 IFF Type 2 E7 E8	257 383



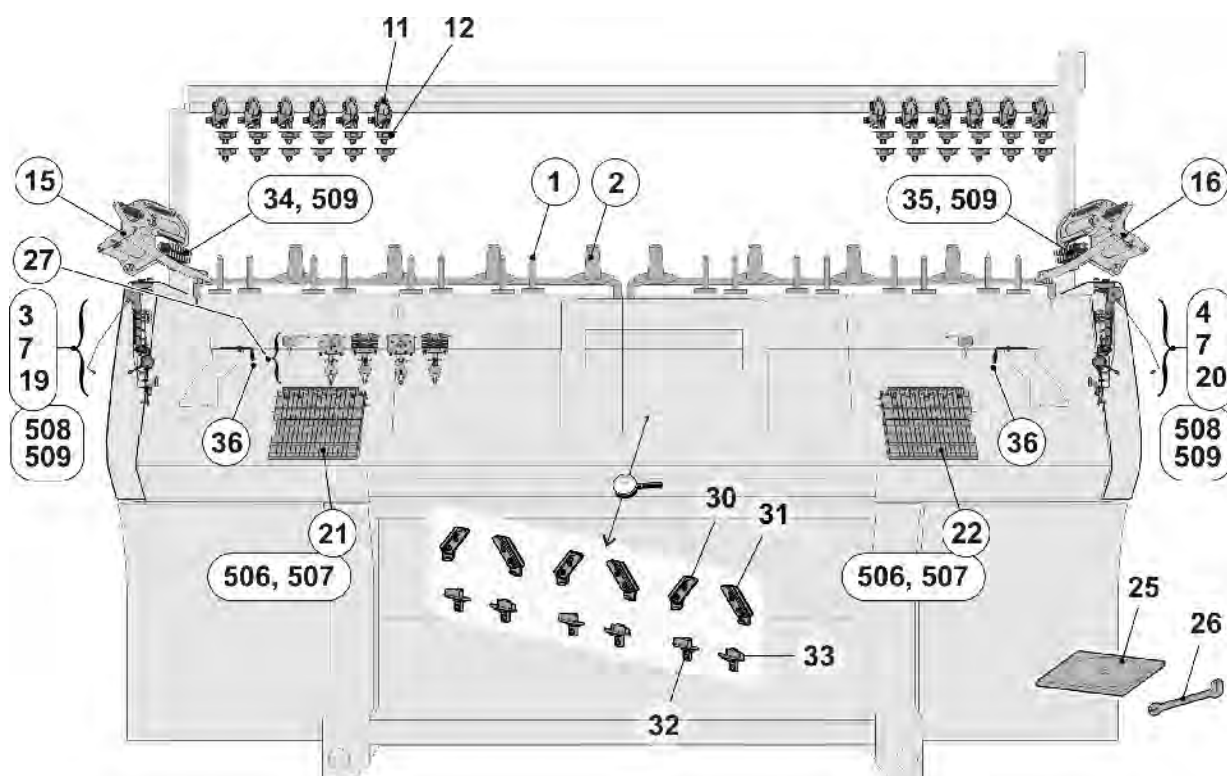
18.1 Overview of conversion kit E5

Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 24 IFF E5	257 451	25	DVD instructions conversion kit IFF	245 169
	Conversion kit 32 IFF E5	257 384	26	Adjusting part for yarn carrier bow	250 119
1	Magnetic holder complete	229 373	27	Yarn guide complete E5 IFF 24	256 934
2	Additional bobbin board 50" IFF complete	244 424		Yarn guide complete E5 IFF 32	245 161
3	Yarn tensioner on the left complete E5	244 498	30	Stitch cam on the left E5 short tuck	212 130
4	Yarn tensioner on the right complete E5	244 501	31	Stitch cam on the right E5 short tuck	212 129
7	Ceramic eyelet	240 640	32	Pressure part receiving on the left short tuck	240 697
11	Yarn control unit	237 124	33	Pressure part receiving on the right short tuck	240 698
12	Yarn guide bracket complete	241 581	34	Stopping device 16-fold on the left complete E3-8	265 382
15	Friction feed wheel 16 fold on the left complete	244 991	35	Stopping device 16-fold on the right complete E3-8	265 383
16	Friction feed wheel 16 fold on the right complete	244 992	36	Yarn guide bracket complete	259 403
19	Yarn deflector on the left complete	265 294	506	Dowel pin 6x16	020 677
20	Yarn deflector on the right complete	265 381	507	Screw M6x20	244 824
21	Left clamping and cutting bed E5-8	253 653	508	Screw 6x20	265 379
22	Clamping and cutting bed on the right E5-8	253 652	509	Pan-head screw M5x10	023 247



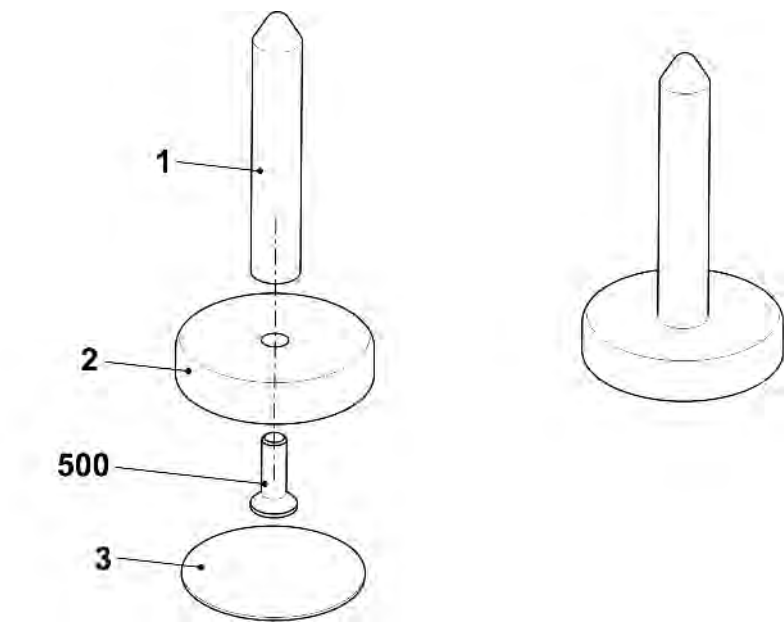
18.2 Overview of conversion kit E7|E8

Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 24 IFF E7-8	257 452	25	DVD instructions conversion kit IFF	245 169
	Conversion kit 32 IFF E7-8	257 383	26	Adjusting part for yarn carrier bow	250 119
1	Magnetic holder complete	229 373	27	Yarn guide complete E7-8 IFF 24	256 935
2	Additional bobbin board 50" IFF complete	244 424		Yarn guide complete E7-8 IFF 32	245 162
3	Yarn tensioner on the left complete E7-8	244 499	30	Stitch cam on the left E7-8 short tuck	212 057
4	Yarn tensioner on the right complete E7-8	244 502	31	Stitch cam on the right E7-8 short tuck	212 056
7	Ceramic eyelet	240 640	32	Pressure part receiving on the left short tuck	240 697
11	Yarn control unit	237 124	33	Pressure part receiving on the right short tuck	240 698
12	Yarn guide bracket complete	241 581	34	Stopping device 16-fold on the left complete E3-8	265 382
15	Friction feed wheel 16 fold on the left complete	244 991	35	Stopping device 16-fold on the right complete E3-8	265 383
16	Friction feed wheel 16 fold on the right complete	244 992	36	Yarn guide bracket complete	259 403
19	Yarn deflector on the left complete	265 294	506	Dowel pin 6x16	020 677
20	Yarn deflector on the right complete	265 381	507	Screw M6x20	244 824
21	Left clamping and cutting bed E5-8	253 653	508	Screw 6x20	265 379
22	Clamping and cutting bed on the right E5-8	253 652	509	Pan-head screw M5x10	023 247



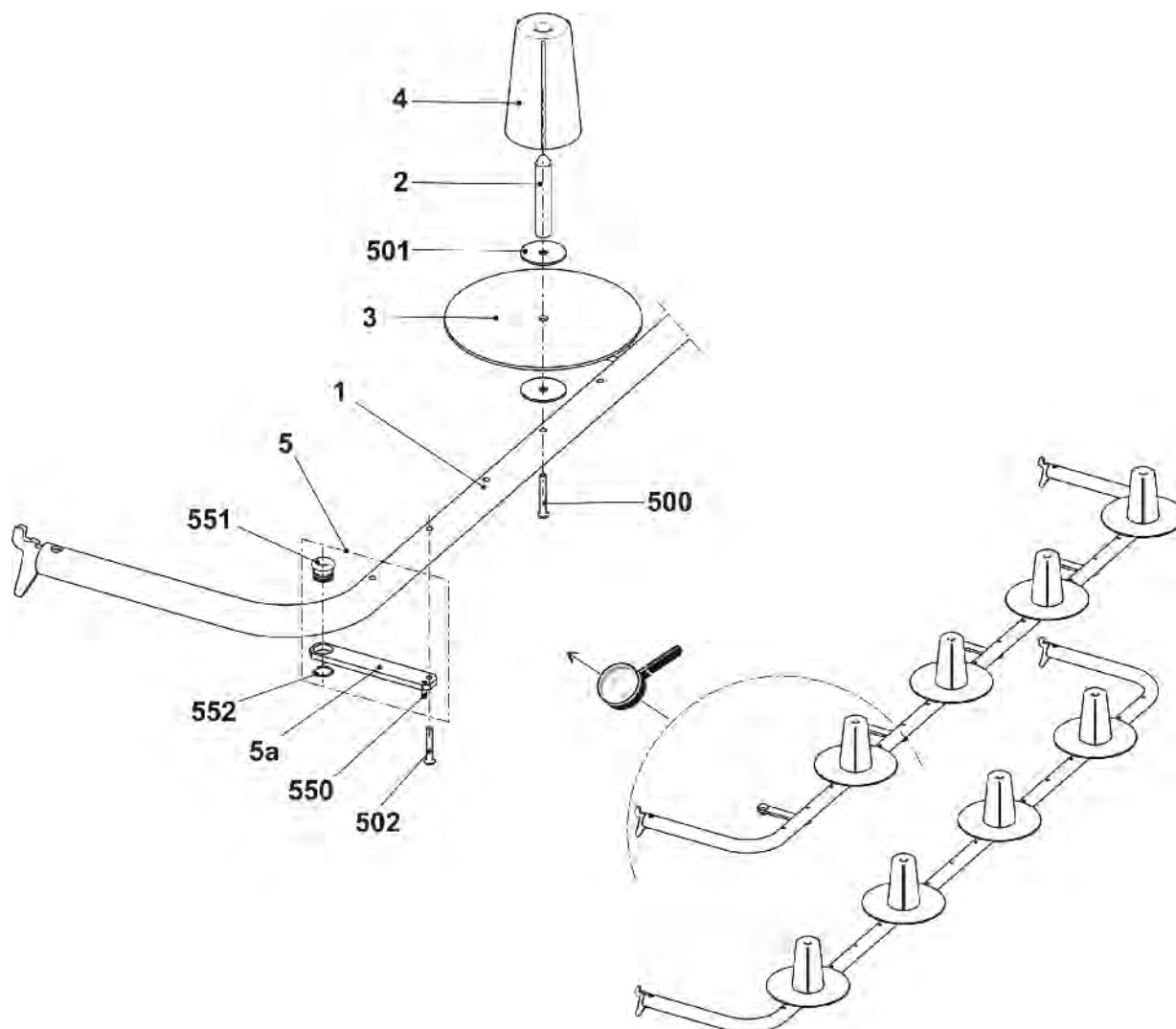
18.3 Magnet holder

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



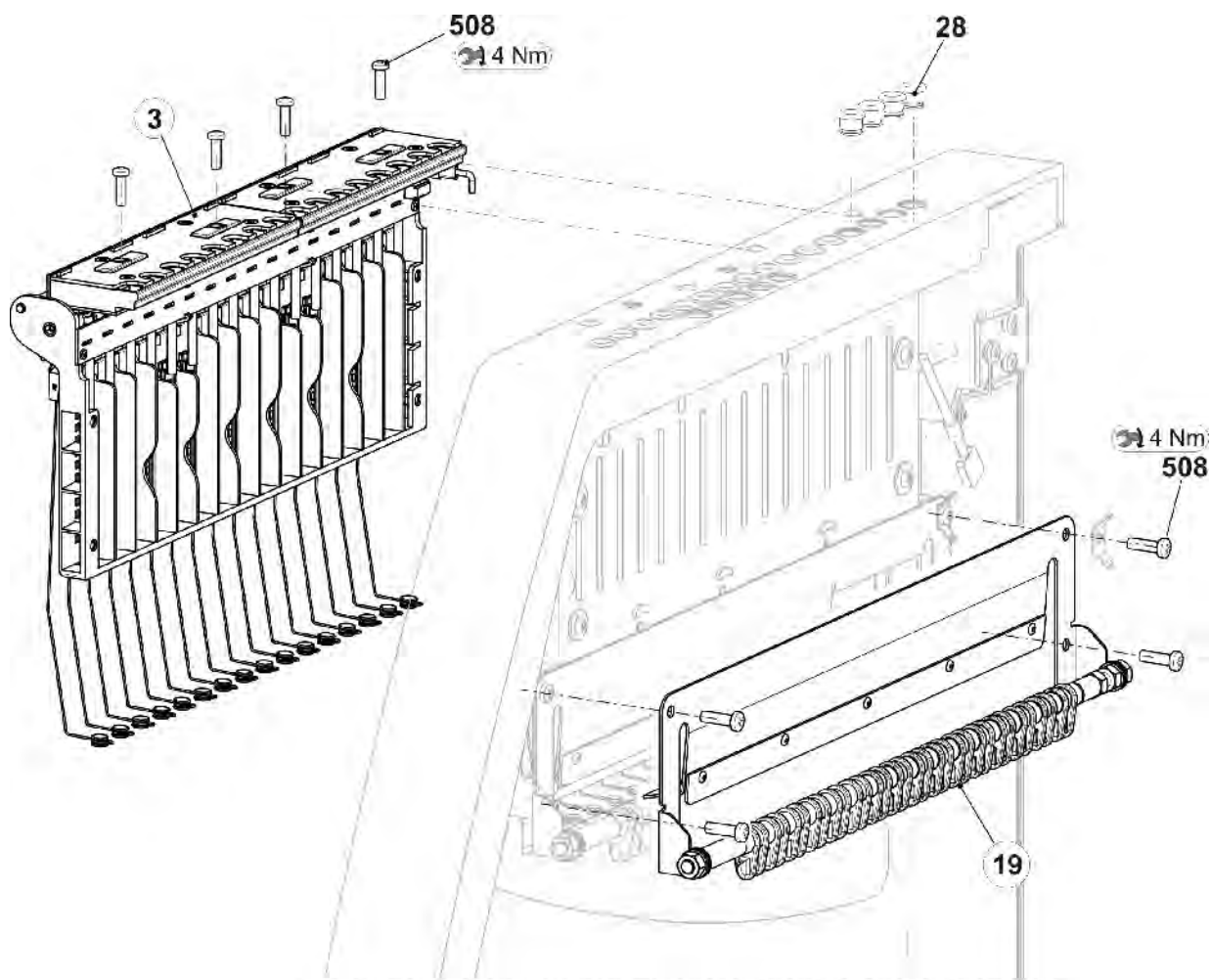
18.4 Additional bobbin board (top, bottom)

Pos	Designation	Id	Pos	Designation	Id
Σ	Additional bobbin board 50" IFF complete	244 424			
1	Additional bobbin board welded	243 608	5	550 Dowel pin 3x12	020 647
2	Positioning pin	202 777		551 Eyelet	021 504
3	DiskD=130	062 385		552 Snap ring A12	020 996
4	Bobbin support	200 363	500	Pan-head screw M4x35	266 663
5	Yarn guide	243 765	501	Washer 5,3x30x1,25	023 556
5a	Guide part	243 623	502	Pan-head screw M4x25	023 511



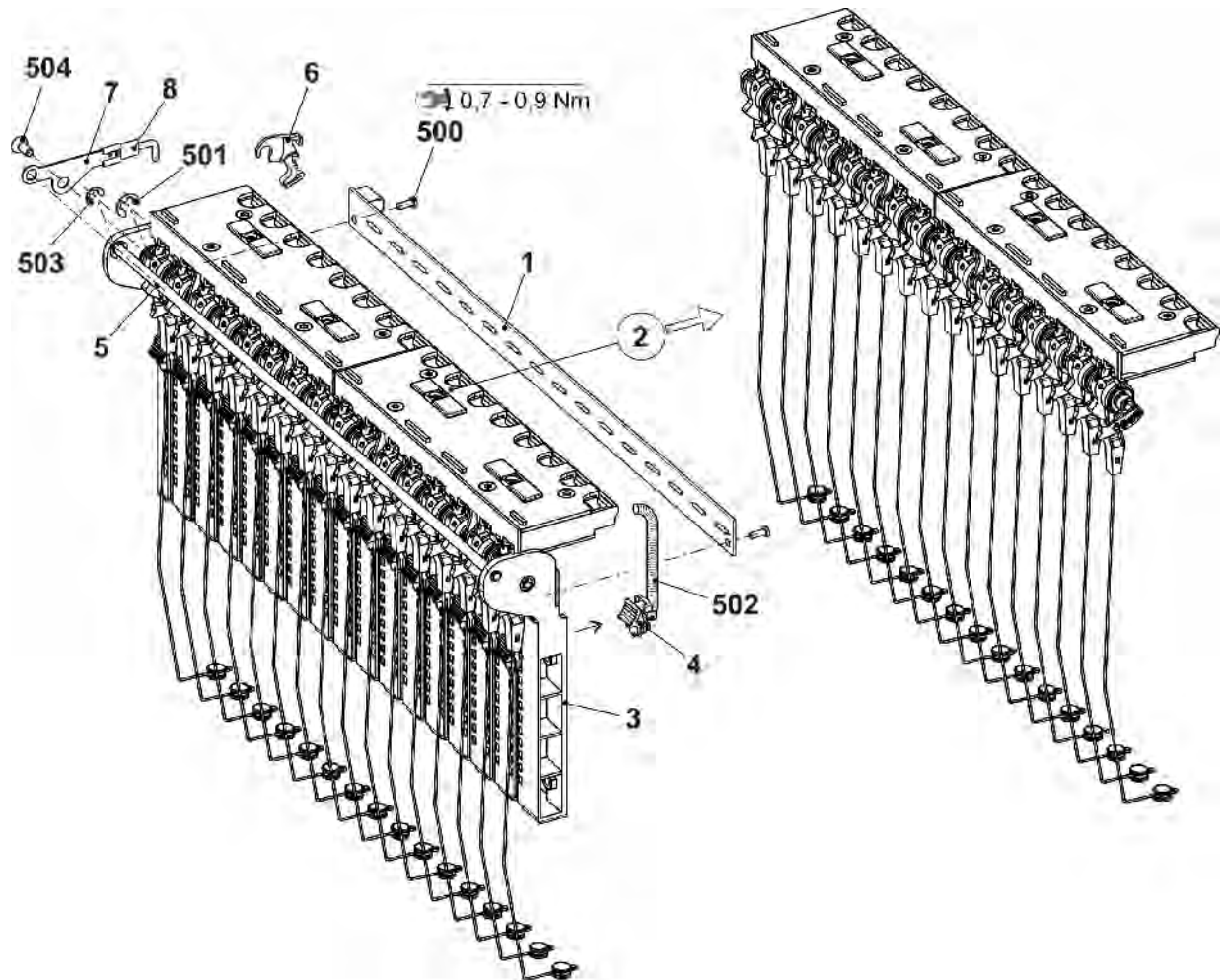
18.5 Parts for the left safety door

Pos	Designation	ID	Pos	Designation	ID
3	Yarn tensioner on the left complete		19	Yarn deflector on the left complete	265 294
	E5 E2,5.2 E3,5.2 E5.2	244 449	28	Ceramic eyelet	240 640
	E7 8	258 461	508	Screw 6x20	265 379



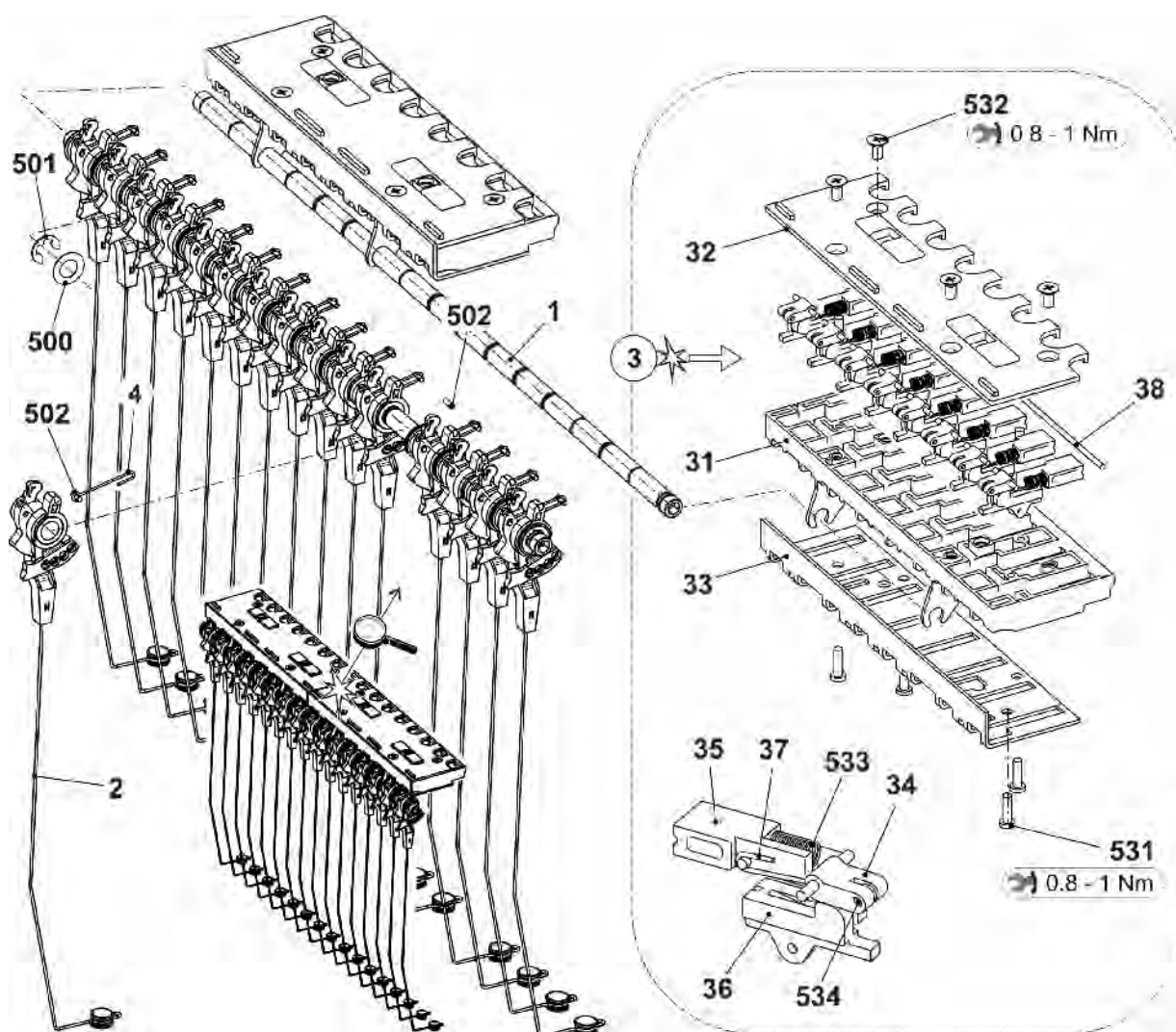
18.5.1 Yarn tensioner on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn tensioner on the left complete				
	E5 E2,5.2 E3,5.2 E5.2	244 498	7	Grounding plate of tension axle	243 121
	E7 E8	244 499	8	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the left	241 345	500	Screw KB30x8	236 228
2	Tension axle completeE3-8	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 M4x10	241 914



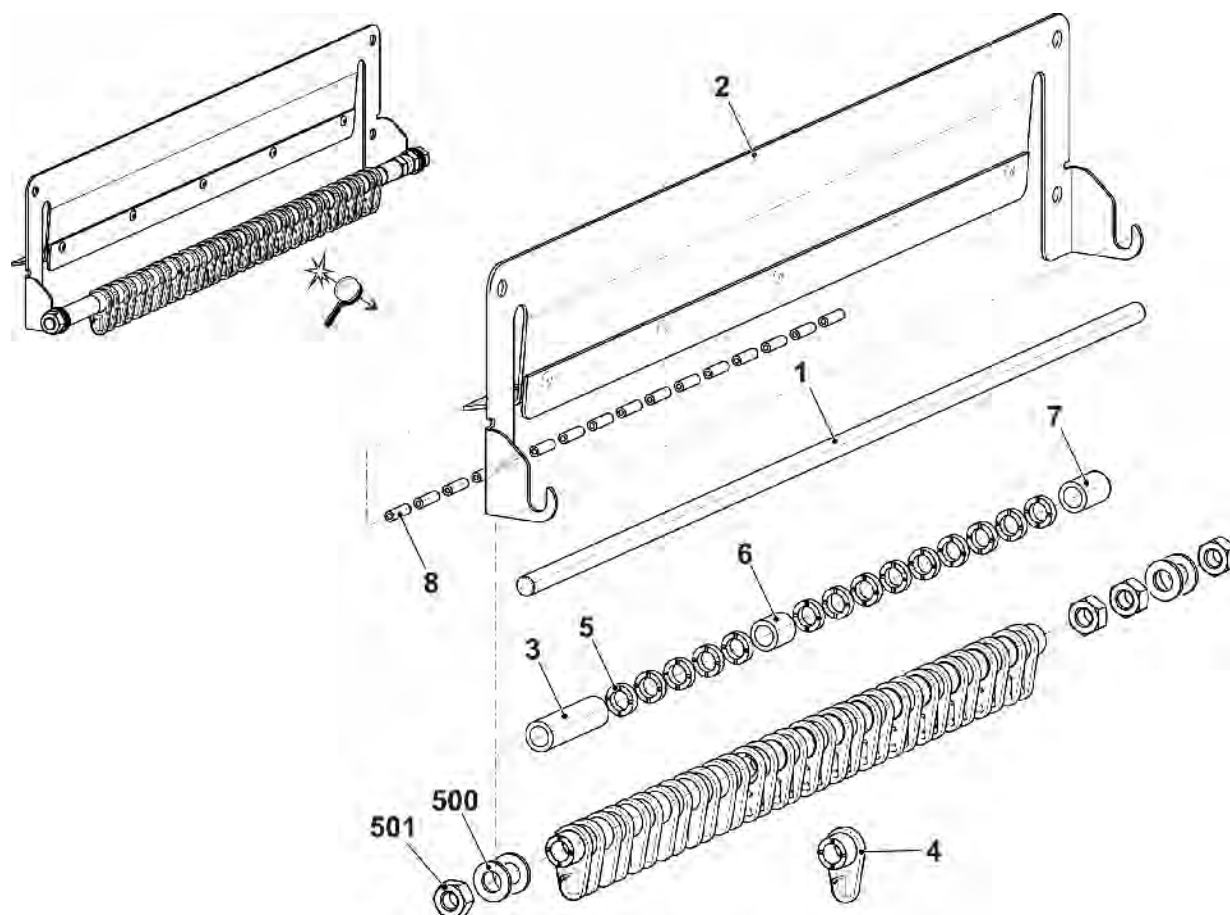
18.5.1.1 Tension axle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Tension axle completeE3-8	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-assembledE3-8	259 448	35	Pressure piece AKF	238 690
4	Wire bow	238 694	36	SliderAKF	238 691
500	Shim ring 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	HousingAKF	238 689	533	Compression spring 0,30x4,50x18,50	241 437
32	Cover AKF	237 926	534	Grooved pin 2x6	243 172



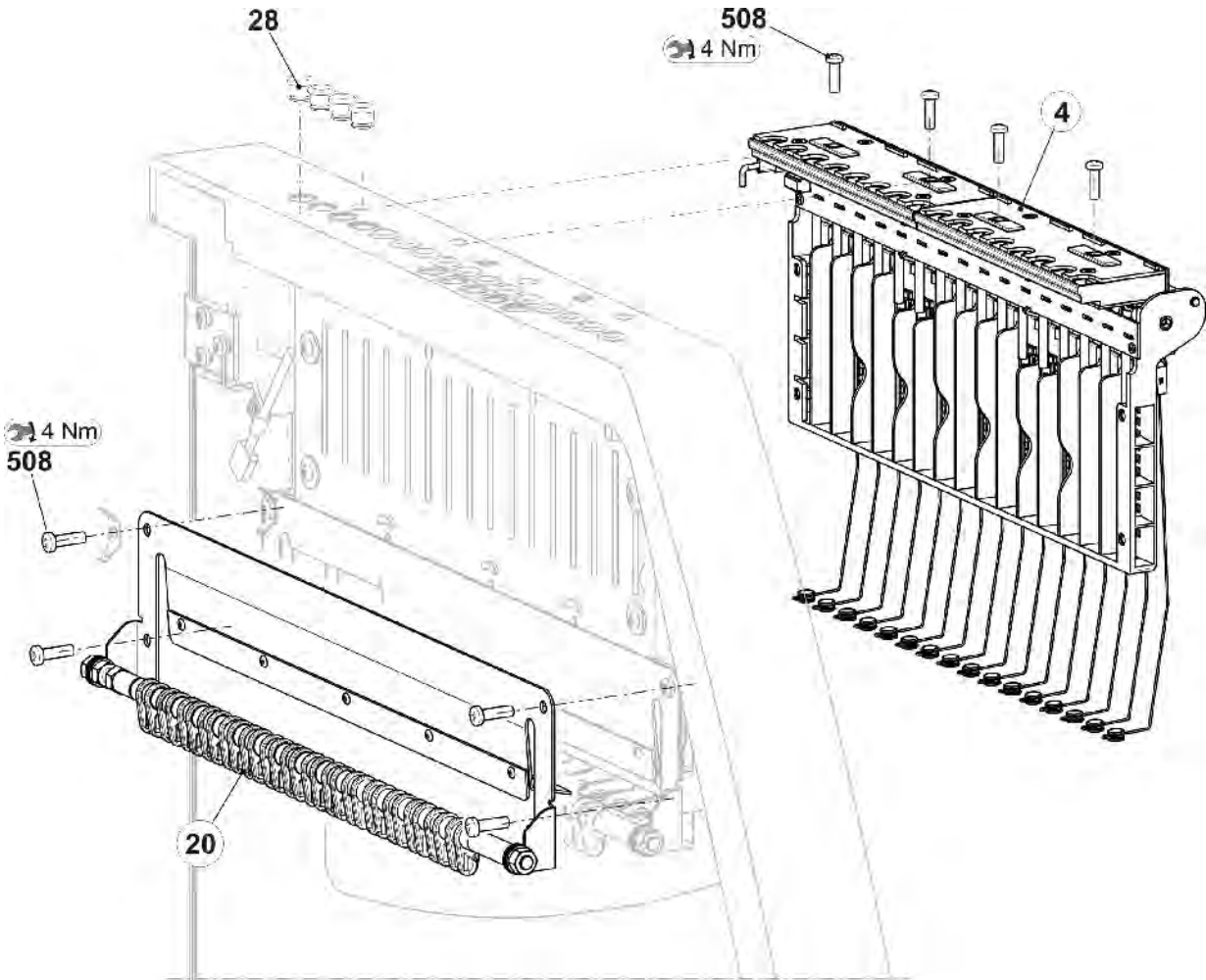
18.5.2 Yarn deflector on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the left complete	265 294			
1	Axle	265 284	5	Distance bushingE3-4	262 445
2	Stop plate left complete	265 302	6	Distance bushing	264 997
3	Threaded spacer	265 283	500	Washer 8	022 854
4	Yarn Carriers MH10 E3-4	262 391	501	Hexagon nut M8-6	261 011



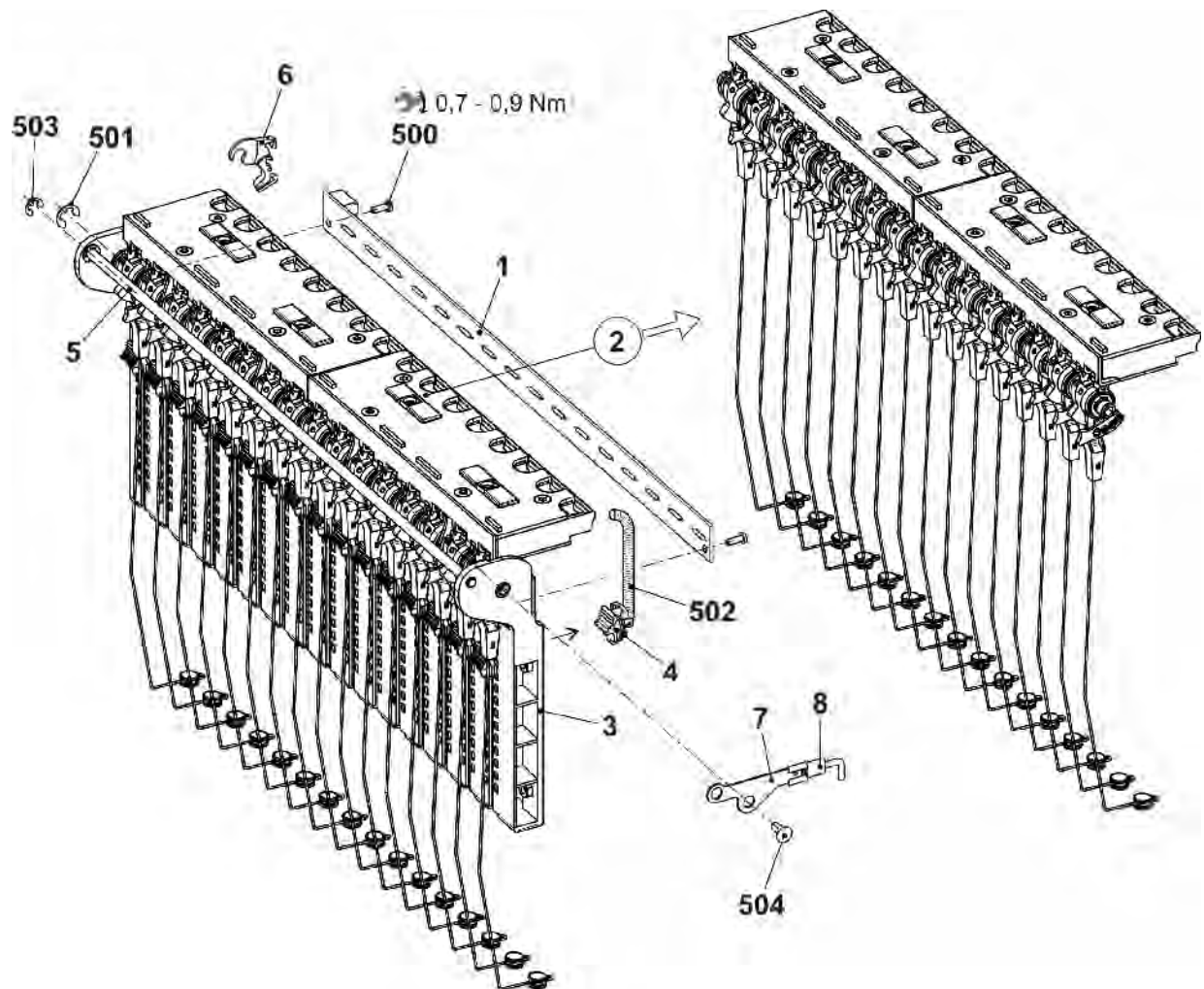
18.6 Parts for the right safety door right

Pos	Designation	ID	Pos	Designation	ID
4	Yarn tensioner on the right complete		20	Yarn deflector on the right complete	265 381
	E5 E2,5.2 E3,5.2 E5.2	244 501	28	Ceramic eyelet	240 640
	E7 8	244 502	508	Screw 6x20	265 379



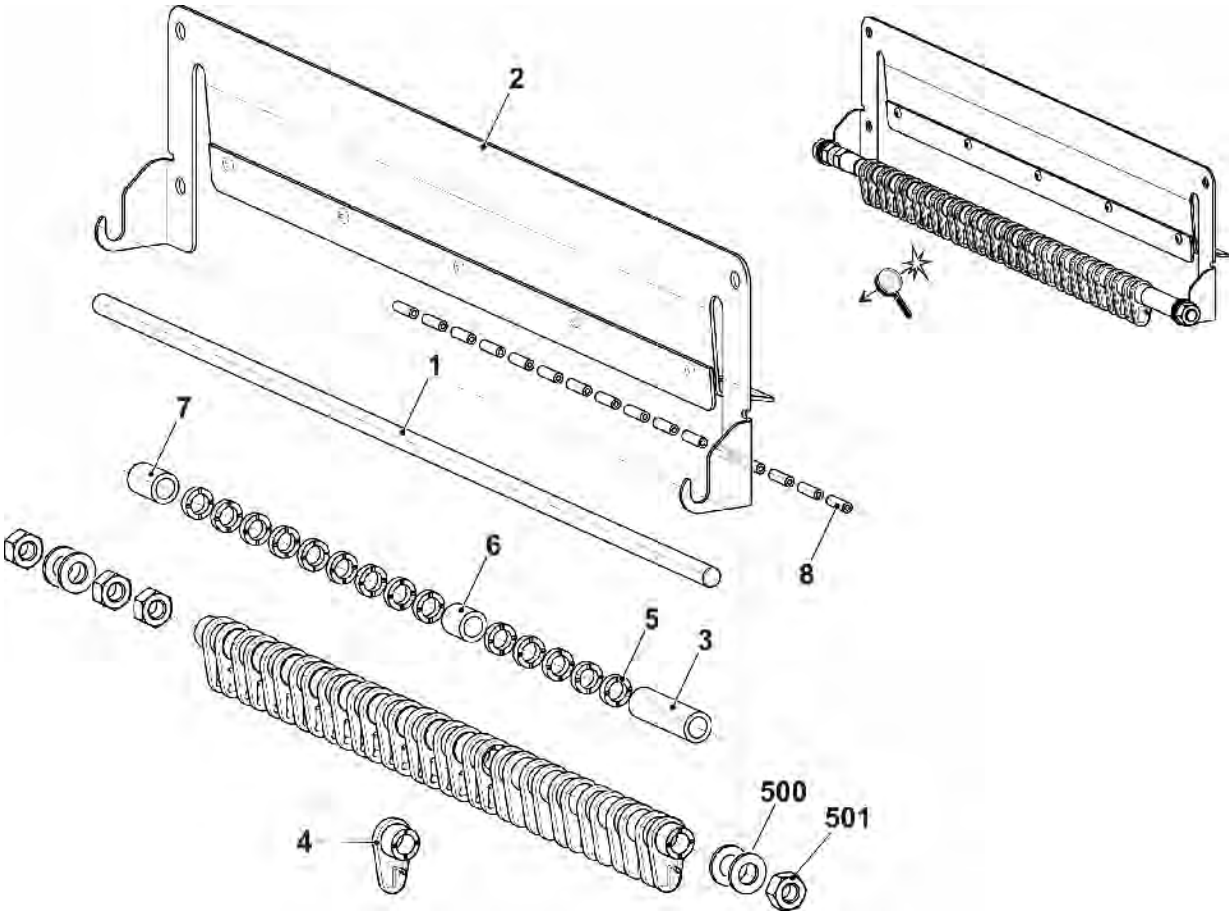
18.6.1 Yarn tensioner on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn tensioner on the right complete				
	E5 E2,5.2 E3,5.2 E5.2	244 501	7	Grounding plate of tension axle	243 121
	E7 E8	244 502	8	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the right	241 346	500	Screw KB30x8	236 228
2	Tension axle completeE3-8	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 M4x10	241 914



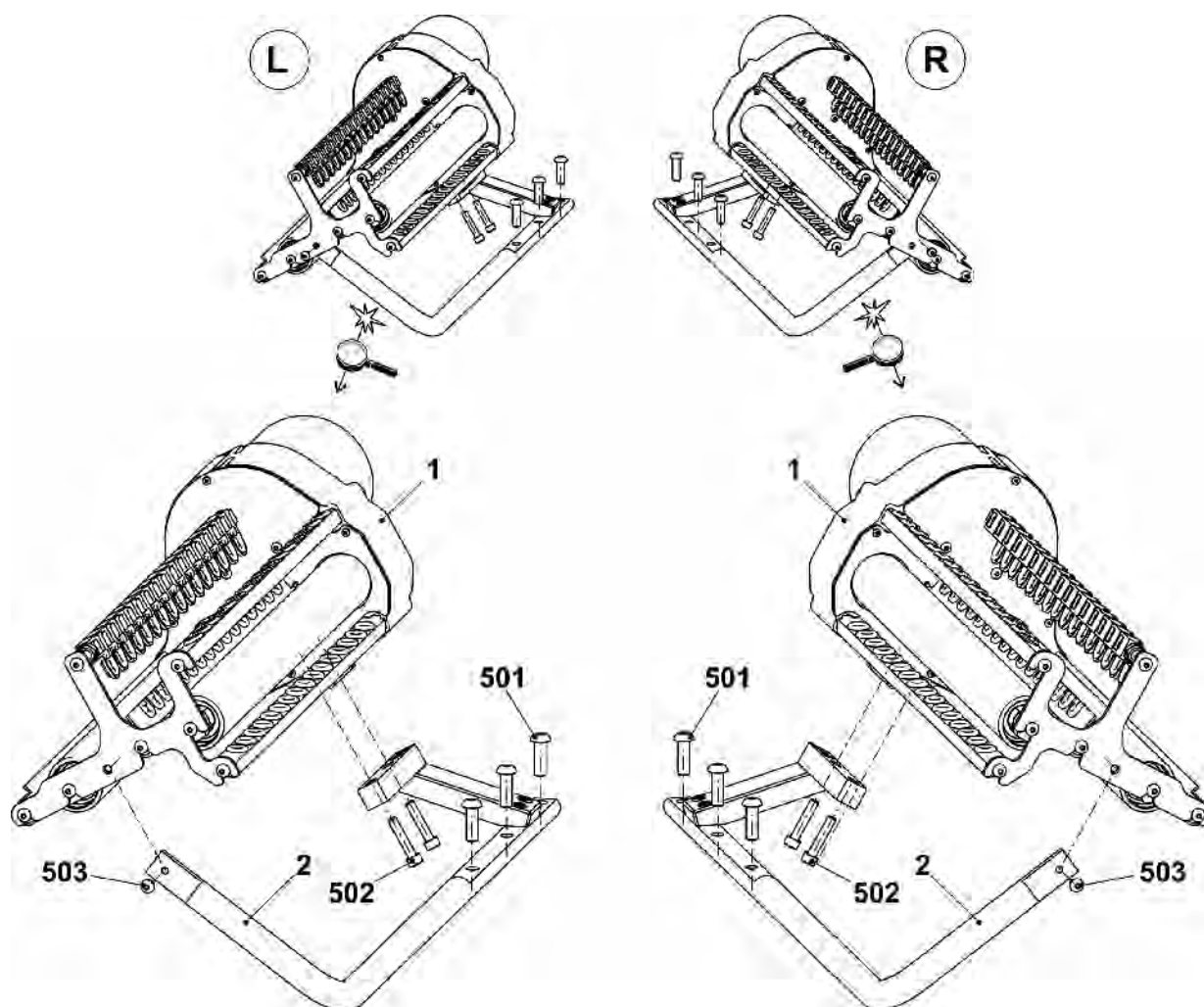
18.6.2 Yarn deflector on the right complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the right complete	265 381			
1	Axle	265 284	6	Distance bushing	264 997
2	Stop plate right complete	265 303	7	Threaded spacer	264 996
3	Threaded spacer	265 283	8	Stop sleeve	266 433
4	Yarn Carriers MH10 E3-4	262 391	500	Washer 8	022 854
5	Distance bushingE3-4	262 445	501	Hexagon nut M8-6	261 011



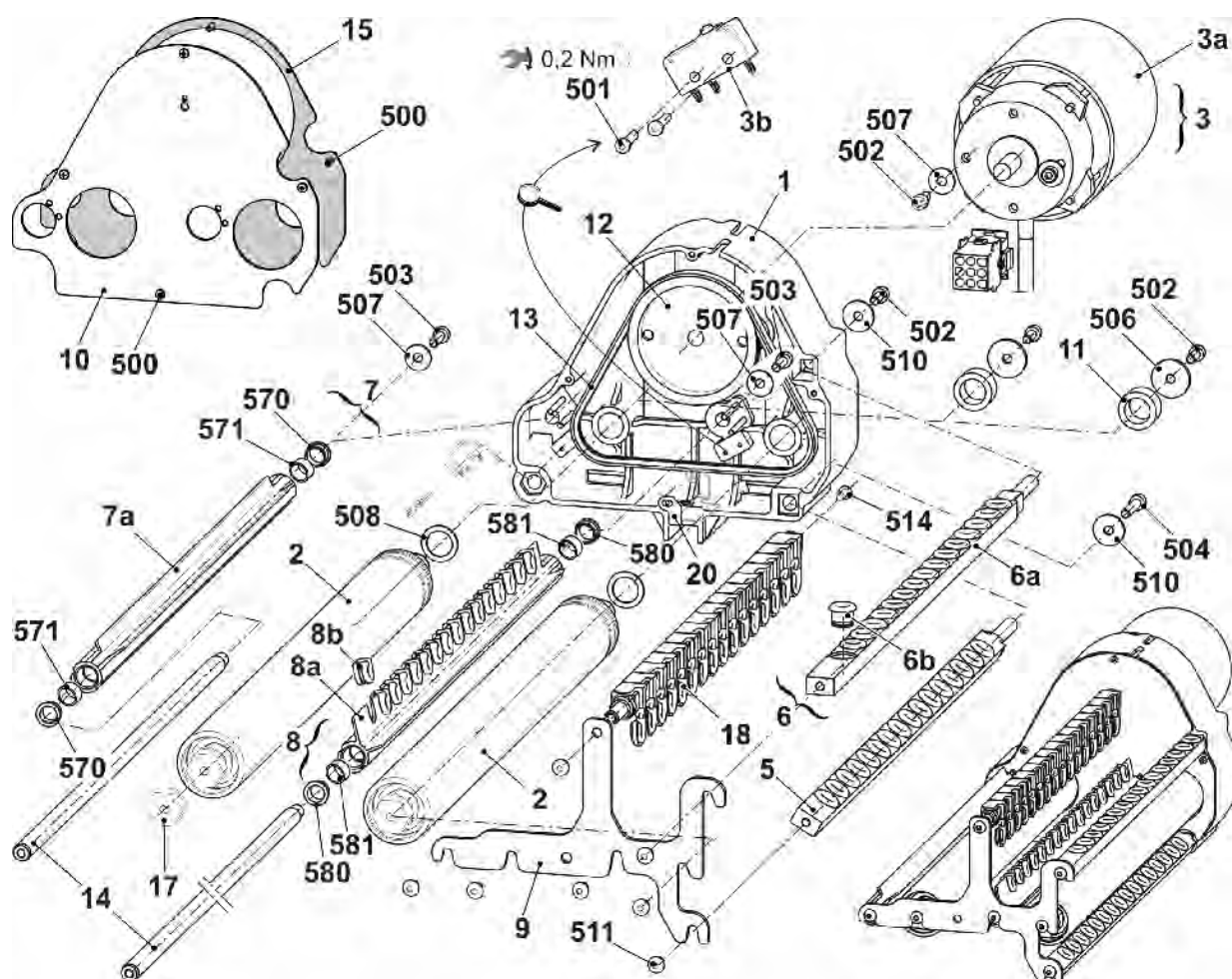
18.7 Friction feed wheel on the left and on the right complete

Pos	Designation	Id	Pos	Designation	Id
ΣL	Friction feed wheel 16 fold on the left complete	244 991	ΣR	Friction feed wheel 16 fold on the right complete	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 right	244 142
501	Pan-head screw M8x25	023 027	501	Pan-head screw M8x25	023 027
502	Cap screw M6x30	020 138	502	Cap screw M6x30	020 138
503	Pan-head screw M5x8	239 408	503	Pan-head screw M5x8	239 408



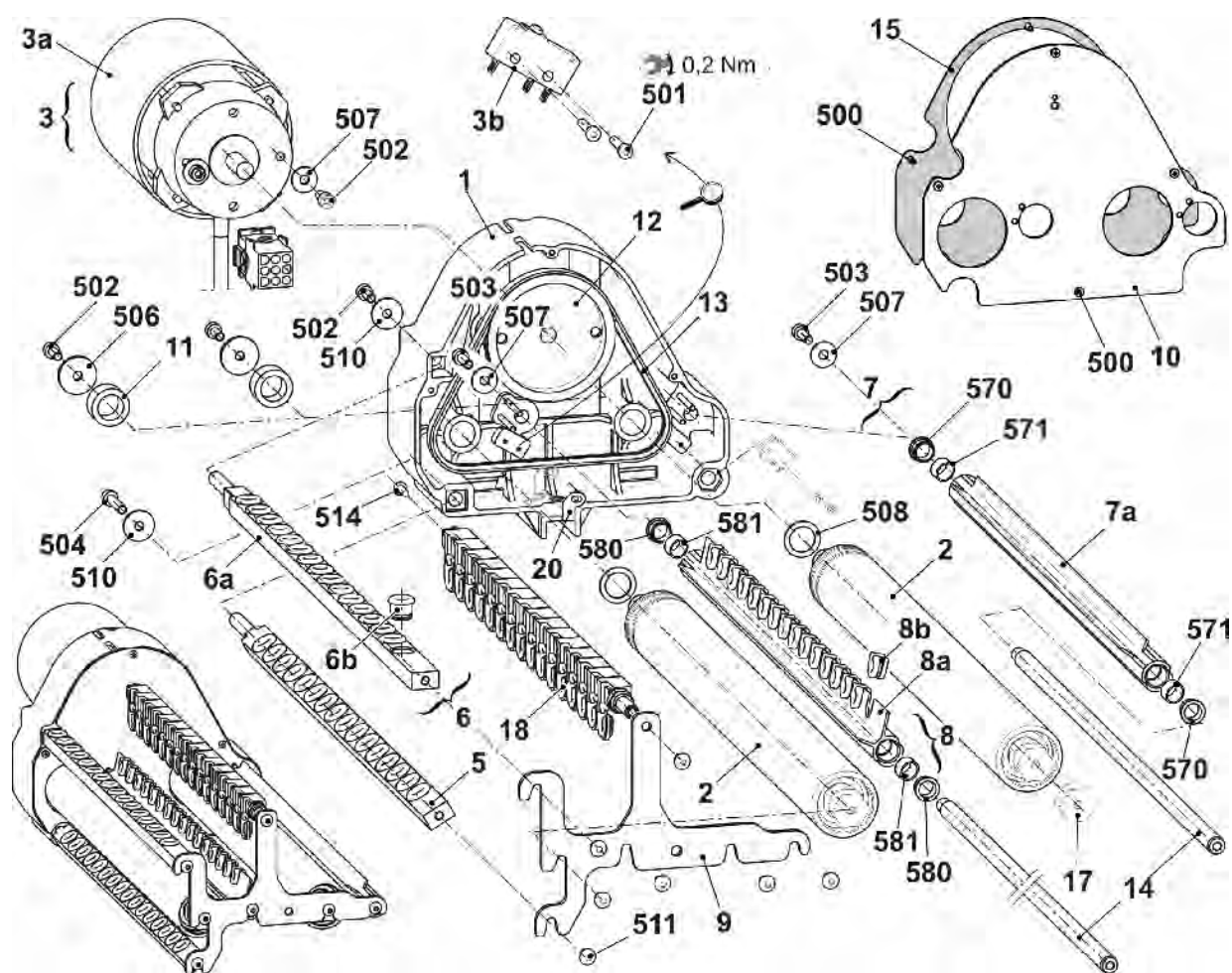
18.7.1 Friction feed wheel on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the left complete	244 185	10	Cover	251 098
1	Housing	240 368	11	Bush	221 391
2	Friction roller complete	243 860	12	V-ribbed belt pulley	221 268
3	Three-phase AC motor 3x42V complete	219 800	13	Ribbed V-belt	206 927
3a	Three-phase AC motor	220 161	14	Rod	243 868
3b	Microswitch	008 664	15	Cover	230 758
5	Yarn guide rod 16-fold complete	244 576	17	Threaded bolt	244 564
6	Yarn guide rod 16-fold complete	244 578	18	Deflector complete 16-fold	250 102
6a	Yarn guide rod 16-fold	244 577	20	Grounding plate	256 622
6b	Ceramic eyelet	240 640	500	Screw KB30x8	236 228
7	Stop motion rail on the right complete	243 863	501	Screw 20x10	265 445
7a	Stop motion rail on the right	243 864	502	Cap screw M5x12	020 132
570	Slide bearing GFM-101214-07	023 627	503	Cap screw M5x16	022 726
571	Guide piece	259 453	504	Cap screw M5x25	023 523
8	Stop motion rail on the left complete	243 865	506	Washer 5,3x22x2,5	023 219
8a	Stop motion rail on the left	243 866	507	Washer 5	020 901
8b	Eyelet	230 662	508	Shim ring 15x21x1	023 216
580	Slide bearing GFM-101214-07	023 627	510	Washer 5	023 542
581	Guide piece	259 453	511	Pan-head screw M5x8	239 408
9	Bracket	251 113	514	Pan-head screw M4x8	023 579



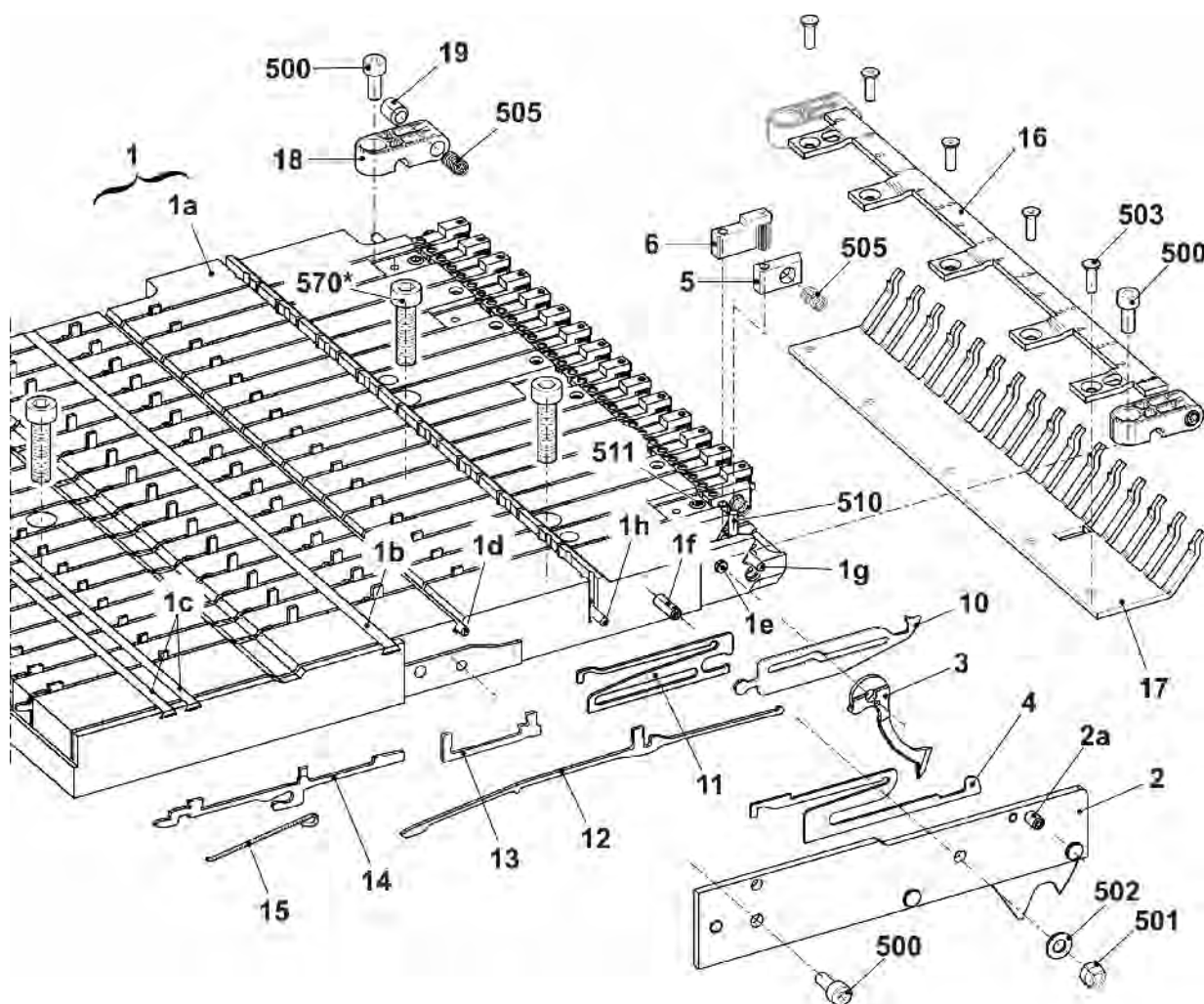
18.7.2 Friction feed wheel on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the right complete	244 186	10	Cover	251 098
1	Housing	240 368	11	Bush	221 391
2	Friction roller complete	243 860	12	V-ribbed belt pulley	221 268
3	Three-phase AC motor 3x42V complete	219 800	13	Ribbed V-belt	206 927
3a	Three-phase AC motor	220 161	14	Rod	243 868
3b	Microswitch	008 664	15	Cover	230 758
5	Yarn guide rod 16-fold complete	244 772	17	Threaded bolt	244 564
6	Yarn guide rod 16-fold complete	244 578	18	Deflector complete 16-fold	250 102
6a	Yarn guide rod 16-fold	244 577	20	Grounding plate	256 622
6b	Ceramic eyelet	240 640	500	Screw KB30x8	236 228
7	Stop motion rail on the right complete	243 863	501	Screw 20x10	265 445
7a	Stop motion rail on the right	243 864	502	Cap screw M5x12	020 132
570	Slide bearing GFM-101214-07	023 627	503	Cap screw M5x16	022 726
571	Guide piece	259 453	504	Cap screw M5x25	023 523
8	Stop motion rail on the right complete	244 530	506	Washer 5,3x22x2,5	023 219
8a	Stop motion rail on the right	244 531	507	Washer 5	020 901
8b	Eyelet	230 662	508	Shim ring 15x21x1	023 216
580	Slide bearing GFM-101214-07	023 627	510	Washer 5	023 542
581	Guide piece	259 453	511	Pan-head screw M5x8	239 408
9	Bracket	251 113	514	Pan-head screw M4x8	023 579



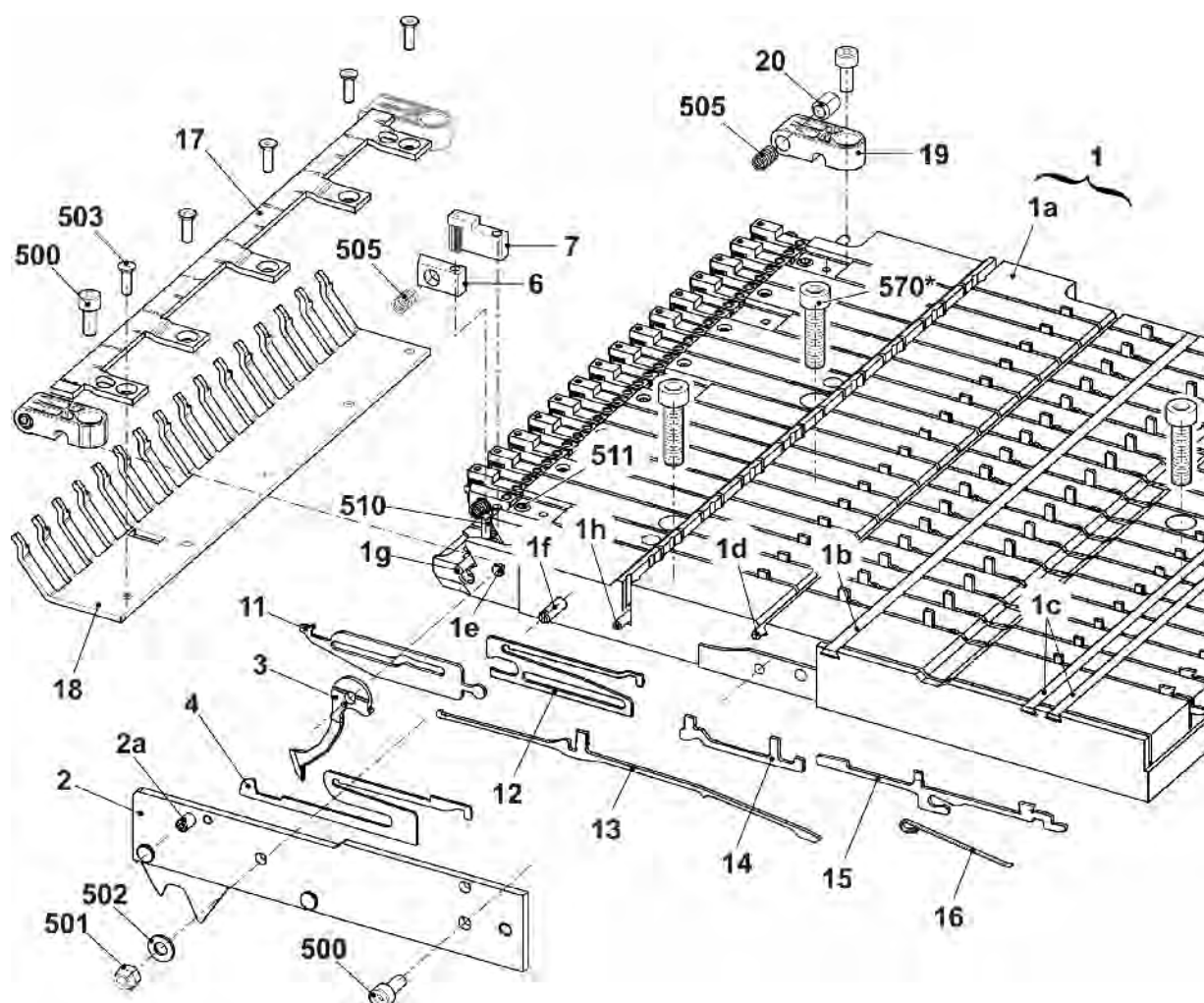
18.8 Left clamping and cutting bed

Pos	Designation	Id	Pos	Designation	Id
Σ	Left clamping and cutting bed E5-8	253 653	6	Clamp on the left complete	244 633
1	Guide plate on the left E5-14	257 236	10	Catch needle on the left E5-8	244 729
1a	Guide plate on the left E5-14	257 232	11	Intermediate part E10-14	244 591
1b	Cover rail	243 923	12	Coupling part E5-8	253 381
1c	Cover rail	243 924	13	Intermediate slider with brake E5-8	237 323
1d	Locating wire	243 925	14	Selection jack E4-8	200 687
1e	Axle	257 201	15	Selector spring E4-8	200 690
1f	Guide pin	211 351	16	Holding strip on the left	256 996
1g	Locating wire	215 927	17	Deflector plate on the left	255 556
1h	Locating wire	244 589	18	Spring holder	255 724
510	Dowel pin 3x14	252 771	19	Threaded bolt	255 723
511	Setscrew M5x5	236 061	500	Cap screw M4x10	023 136
2	Cover on the left complete E5-14	260 967	501	Hexagon nut M4-8	023 046
2a	Springy thrust piece N4	260 235	502	Washer 4	020 870
3	Catch hook on the left E5-14	260 969	503	Countersunk head screw M3x10	242 029
4	Slider E5-14	258 050	505	Compression spring 07x4,3x12,1	023 521
5	Blade	243 948	570*	Cap screw M6x20	244 824



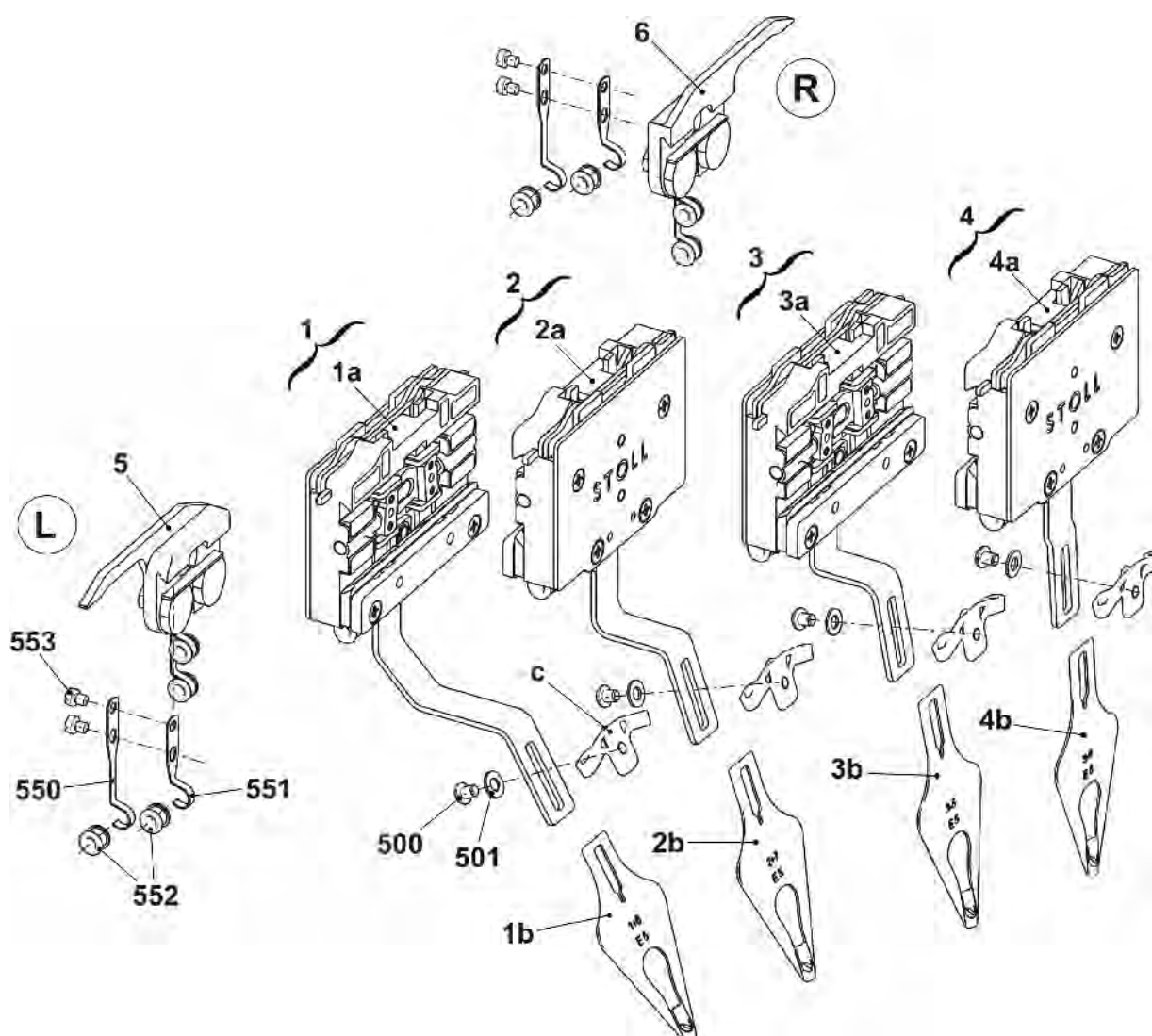
18.9 Clamping and cutting bed on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Clamping and cutting bed on the right E5-8	253 652	6	Clamp on the right complete	244 602
1	Guide plate on the right E5-14	257 235	10	Catch needle on the right E5-8	244 728
1a	Guide plate on the right E5-14	257 231	11	Intermediate part E10-14	244 591
1b	Cover rail	243 923	12	Coupling part E5-8	253 381
1c	Cover rail	243 924	13	Intermediate slider with brake E5-8	237 323
1d	Locating wire	243 925	14	Selection jack E4-8	200 687
1e	Axle	257 201	15	Selector spring E4-8	200 690
1f	Guide pin	211 351	16	Holding strip on the right	256 995
1g	Locating wire	215 927	17	Deflector plate on the right	255 555
1h	Locating wire	244 589	18	Spring holder	255 724
510	Dowel pin 3x14	252 771	19	Threaded bolt	255 723
511	Setscrew M5x5	236 061	500	Cap screw M4x10	023 136
2	Cover on the right complete E5-14	260 966	501	Hexagon nut M4-8	023 046
2a	Springy thrust piece N4	260 235	502	Washer 4	020 870
3	Catch hook on the right E5-14	260 968	503	Countersunk head screw M3x10	242 029
4	Slider E5-14	258 050	505	Compression spring 07x4,3x12,1	023 521
5	Blade	243 948	570*	Cap screw M6x20	244 824



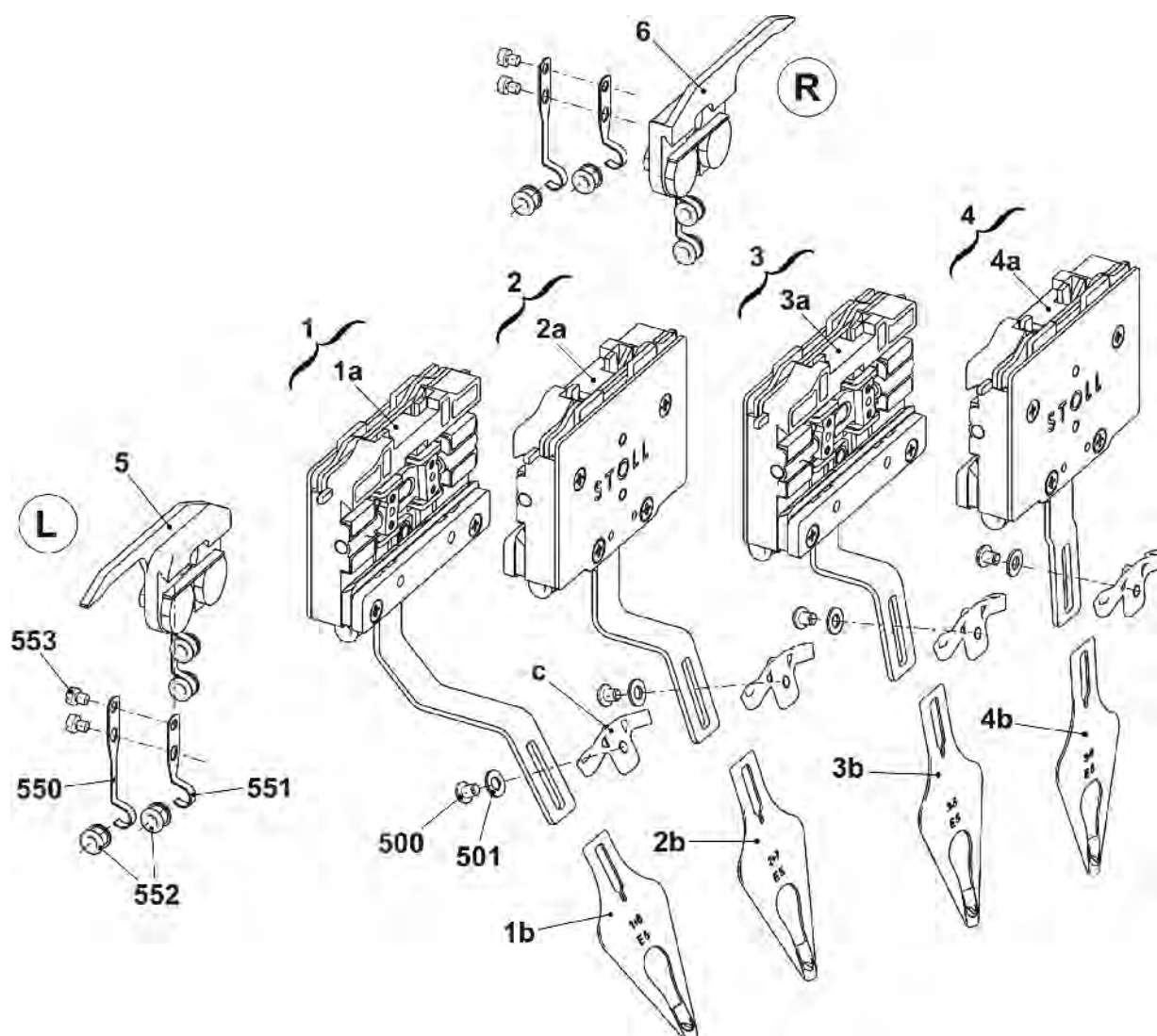
18.10 Yarn guide complete IFF E5 | E2.5.2 | E3.5.2 | E5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete IFF 24 E5	256 934			
	Yarn guide complete IFF 32 E5	245 161			
1	IFF carriage complete 1+8 E5	259 732	5	Limiter on the left with two eyelets	244 446
1a	IFF carriage 1+8	259 728	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	259 733	552	Eyelet 4,2	021 499
2a	IFF carriage 2+7	259 729	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	259 734	c	Yarn guide angle	242 863
3a	IFF carriage 3+6	259 730	500	Pan-head screw M4x5	239 549
3b	Yarn carrier head 3-6 complete E5	244 078	501	Washer 4	020 870
4	IFF carriage complete 4+5 E5	259 735			
4a	IFF carriage 4+5	259 731			
4b	Yarn carrier head 3-6 complete E5	244 078			



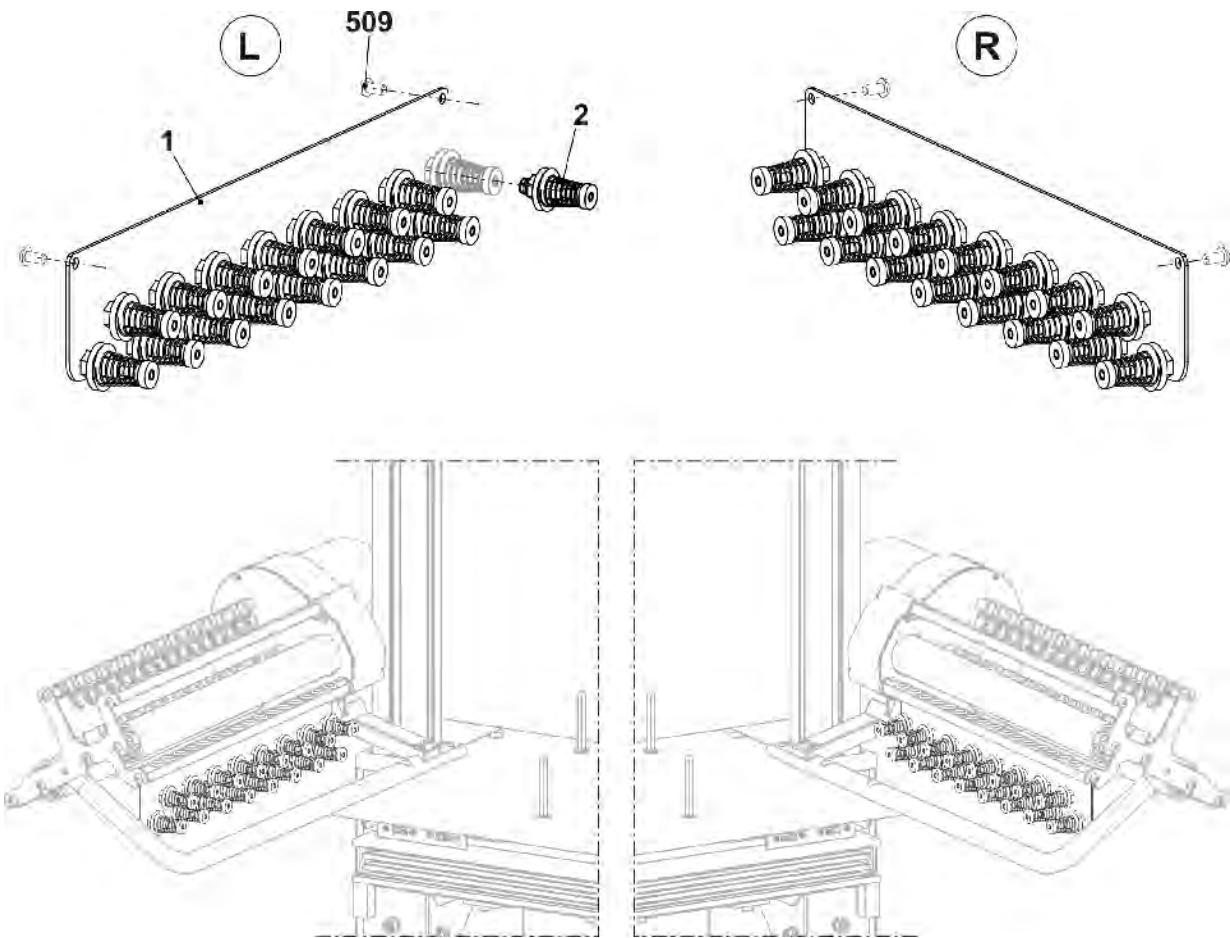
18.11 Yarn guide complete IFF E7 | E8

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E7-8 IFF 24	256 935	4	IFF carriage complete 4+5 E7-8	259 739
	Yarn guide complete E7-8 IFF 32	245 162		4a IFF carriage 4+5	259 731
1	IFF carriage complete 1+8 E7-8	259 736		4b Yarn carrier head 3-6 complete E7-8	244 084
	1a IFF carriage 1+8	259 728	5	Limiter on the left with two eyelets	244 446
	1b Yarn carrier head 1+8 complete E7-8	244 082		550 Eyelet holder complete	022 324
2	IFF carriage complete 2+7 E7-8	259 737		551 Eyelet holder complete	022 323
	2a IFF carriage 2+7	259 729		552 Eyelet 4,2	021 499
	2b Yarn carrier head 2+7 complete E7-8	244 083		553 Cap screw M3,5x4	020 011
3	IFF carriage complete 3+6 E7-8	259 738	6	Limiter on the right with two eyelets	244 445
	3a IFF carriage 3+6	259 730	c	Yarn guide angle	242 863
	3b Yarn carrier head 3-6 complete E7-8	244 084	500	Pan-head screw M4x5	239 549
			501	Washer 4	020 870



18.12 Stopping device

Pos	Designation	Id. no.	Pos	Designation	Id. no.
L	Stopping device 16-fold on the left complete E3-8	265 382	R	Stopping device 16-fold on the right complete E3-8	265 383
1	Support plate	259 401	1	Support plate	259 401
2	Yarn brake	264 353	2	Yarn brake	264 353
509	Pan-head screw M5x10	023 247	509	Pan-head screw M5x10	023 247



18.13 Yarn guide bracket

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Yarn guide bracket complete	259 403			
1	Eyelet holder complete	259 402	501	Clamping ring	259 606
2	Holding angle	259 574	502	Pan-head screw M5x8	239 408
500	Eyelet 4,2	021 502	900	Pan-head screw M6x10	023 183

