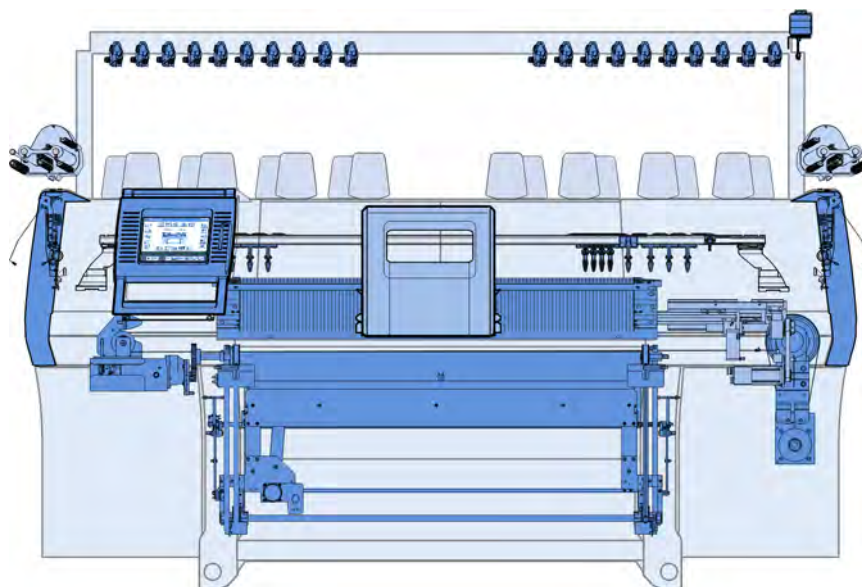


Spare parts catalog

CMS 520C (Type 629)

Component type 005

E3 | E3,5 | E4 | E3m.3L | E3,5m.3L | E4m.3L



1 Introduction

Imprint

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

The indications of this catalog are without liability.

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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.

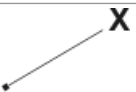
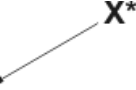
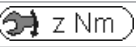
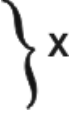
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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
Σ	Indicates an assembly
	Position indicator with the position number (X).
	Indicates an element of another assembly.
	Indicates an assembly which is represented more detailed beside.
	Indicates an assembly which is represented on another page more detailed.
	Screw torques (z) deviating from the preferential row.
	Detail, represented enlarged in the direction of the arrow.
	Explosion representation, single elements enlarged.
	Indicates a group of parts.
	Indicates the left 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 Clases de resistencia		
		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filetto regolatore Filete regulador	M3	0,6	1,2	2,5
	M4	1,2	2,5	5
	M5	2,5	5	9
	M6	5	9	18
	M8		18	40
	M10		40	
	M12		80	

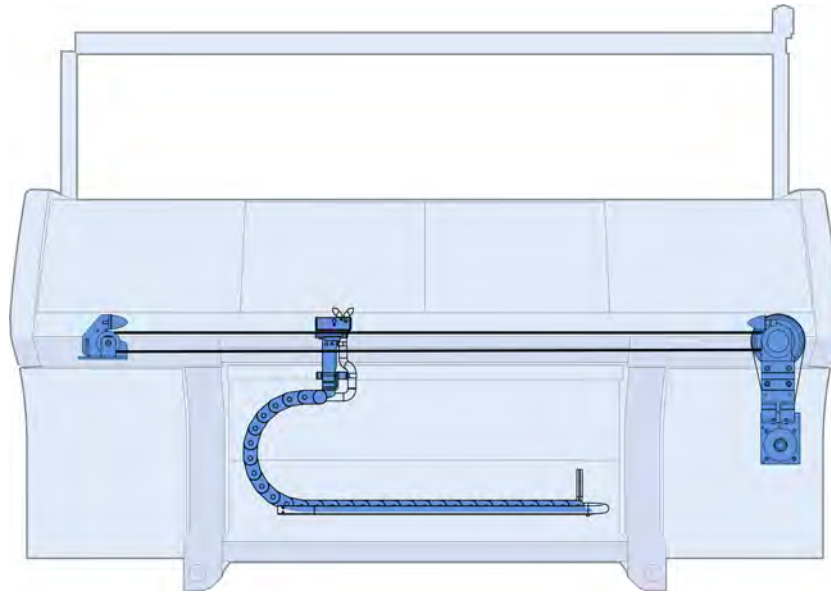
Table of Contents

1	Introduction	2
1.1	Search help	3
1.2	Torques	4
2	Carriage drive	9
2.1	Drive	10
2.1.1	Motor and belt drive	11
2.1.2	Tension bearing	12
2.2	Energy chain and plunger	13
3	Racking	14
3.1	Racking	15
4	Needle beds	16
4.1	Needle bed E3	17
4.1.1	Continuation needle bed E3	18
4.2	Needle bed E3,5	19
4.2.1	Continuation needle bed E3,5	20
4.3	Needle bed E4	21
4.3.1	Continuation needle bed E4	22
4.4	Needle bed E3m.3L	23
4.4.1	Continuation needle bed E3m.3L	24
4.5	Needle bed E3,5m.3L	25
4.5.1	Continuation needle bed E3,5m.3L	26
4.6	Needle bed E4m.3L	27
4.6.1	Continuation needle bed E4m.3L	28
4.7	Needle beds, fixing elements	29
4.8	Left clamping/cutting bed	30
4.9	Clamping/cutting bed on the right	31
5	Carriage	32
5.1	Overview of carriage	33
5.2	Carriage assembly	34
5.3	Carriage guide	35
5.4	Carriage cover	36
5.5	Needle cam E3 E3,5 E4	37
5.5.1	Continuation cam box E3 E3,5 E4	38
5.6	Needle cam E3m.3L E3,5m.3L E4m.3L	39
5.6.1	Continuation cam box E3m.3L E3,5m.3L E4m.3L	40
5.7	Jack cam box	41
5.8	Yarn carrier driving without guide part	42
5.9	Yarn carrier driving with guide part	43
5.10	Holding-down jack control on the right and left	44
5.11	Needle detector	45
5.12	Brush holder	46
6	Main take-down	47
6.1	Main take-down	48
6.1.1	Main take-down on the left	49
6.1.2	Main take-down on the right	51
6.1.3	Main take-down in the middle	54
7	Auxiliary Take-down	61
7.1	Auxiliary Take-down	62
7.2	Right bearing of the auxiliary take-down	63
7.3	Left bearing of the auxiliary take-down	64
7.4	Motor	65
7.5	Metal angle on the left and right complete	66
7.6	Yarn brake at clamping and cutting bed	67

8	Comb Take-down	68
8.1	Comb Take-down	69
8.2	Comb take-down on the left	70
8.3	Comb take-down on the right	71
8.3.1	Drive shaft of comb	72
8.3.2	Swivel lever comb take-down	73
8.4	Comb take-down in the middle	74
8.4.1	Comb unit	75
8.4.2	Switching lever comb take-down	76
9	Yarn delivery device	77
9.1	Yarn guide device	78
9.2	Left yarn guide	79
9.2.1	Left yarn tensioner	80
9.2.2	Left tension axle	81
9.2.3	Yarn deflector on the left	82
9.3	Right yarn guide	83
9.3.1	Right yarn tensioner	84
9.3.2	Right tension axle	85
9.3.3	Yarn deflector on the right complete	86
9.4	Bobbin board	87
9.5	Carriage of yarn carrier	88
9.6	Bar unit	89
9.7	Left friction feed wheel	90
9.8	Right friction feed wheel	91
10	Fluff absorption	92
10.1	Fluff absorption	93
10.1.1	Lint container	94
10.1.2	Set of hose	95
10.1.3	Suction tube	96
10.1.4	Lint container	97
11	Operation and control	98
11.1	Input unit	99
11.2	Starting device	100
11.2.1	Bearing of the engaging rod	101
11.3	Signal light	102
11.4	Control of Collecting Area	103
11.5	Shock stop motion E3-4	104
11.6	Measuring device	105
12	Protective devices	106
12.1	Lateral safety doors	107
12.2	Panelling	108
12.3	Rear panel	109
13	Electrical equipment	110
13.1	Circuit diagram (222) as PDF	111
13.2	Fuses	112
13.3	Trailing cable	113
13.4	Cable set installation	114
13.4.1	Cable set base 1	114
13.4.2	Loom of cables base 2	115
13.4.3	Loom of cables 5XX	116
13.4.4	Loom of cables comb	117
14	Control electronics	118
14.1	Control cabinet	119
15	Deliverable accessories	120
15.1	Accessories part 1	121
15.2	Accessories part 2	122

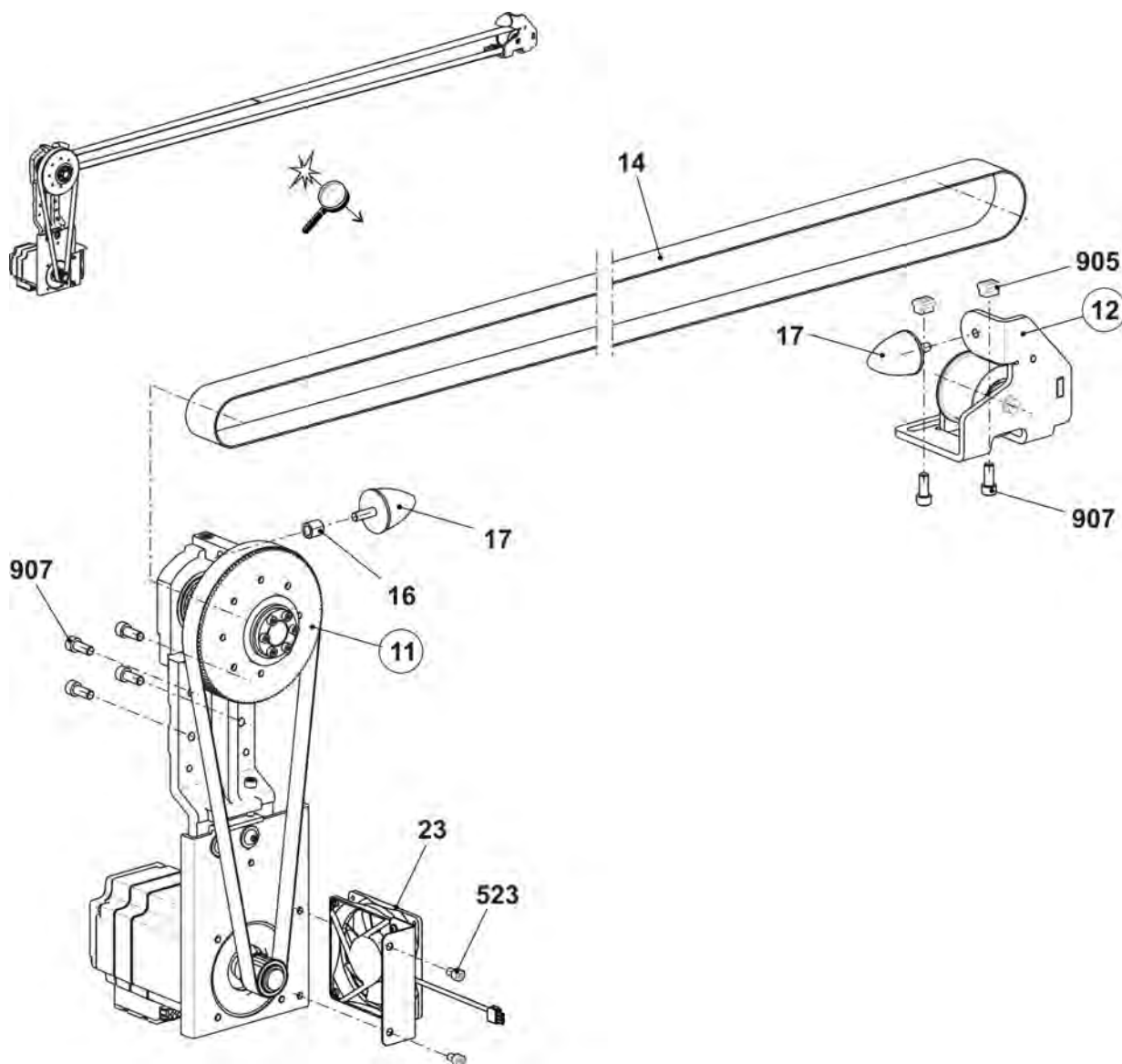
16 Special attachments	123
16.1 Additional bobbin board	124
16.2 Additional bobbin board (top, bottom)	125
16.3 Yarn carrier carriage	126
16.4 Complete yarn carriers	127
16.5 Yarn carrier carriage (for ultra coarse yarns)	128
16.6 Complete intarsia yarn carriers	129
16.6.1 Bow and head IFF	130
16.7 Bobbin holder on the left	131
16.8 Bobbin holder on the right	132
16.9 Yarn length measuring device on the right complete	133
16.9.1 Yarn length measuring device on the right	134
16.10 Yarn length measuring device on the left complete	135
16.10.1 Yarn length measuring device on the right	136

2 Carriage drive



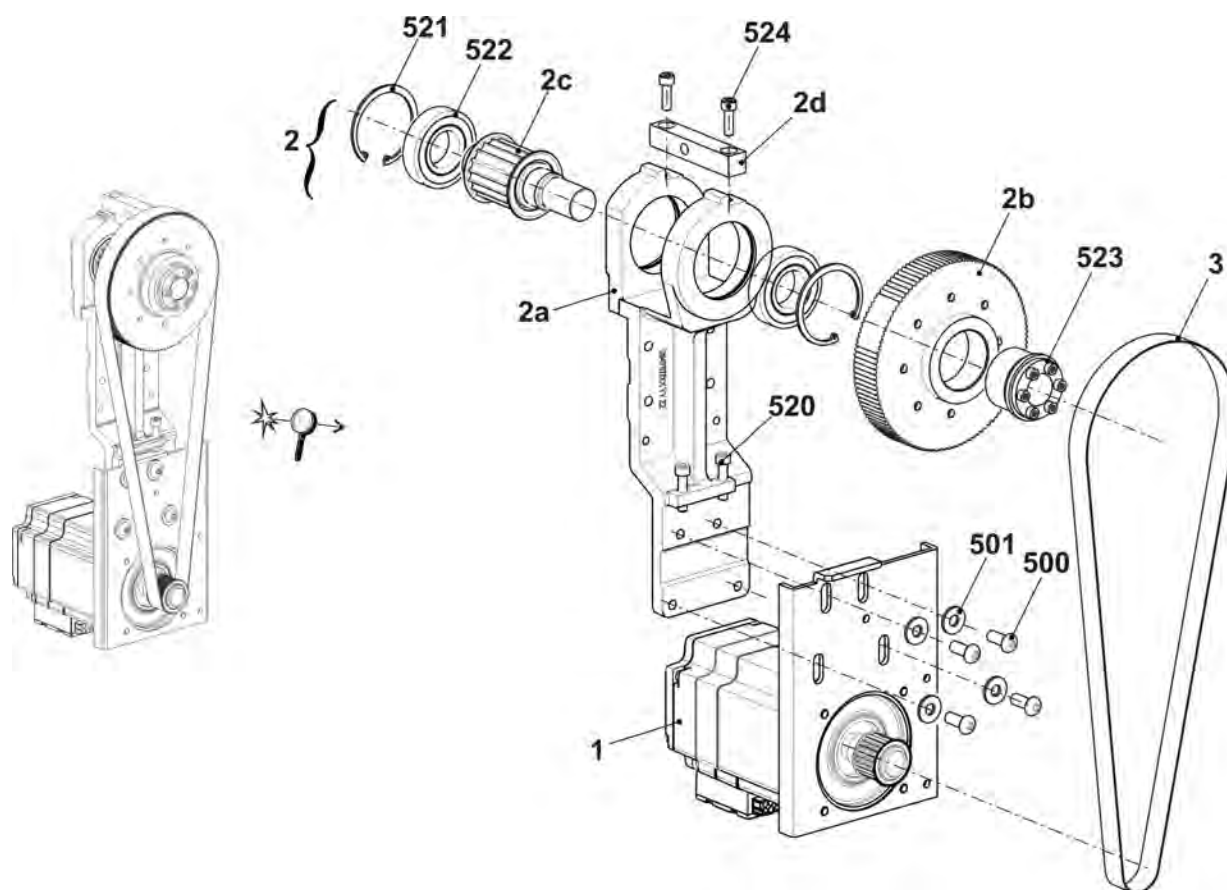
2.1 Drive

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



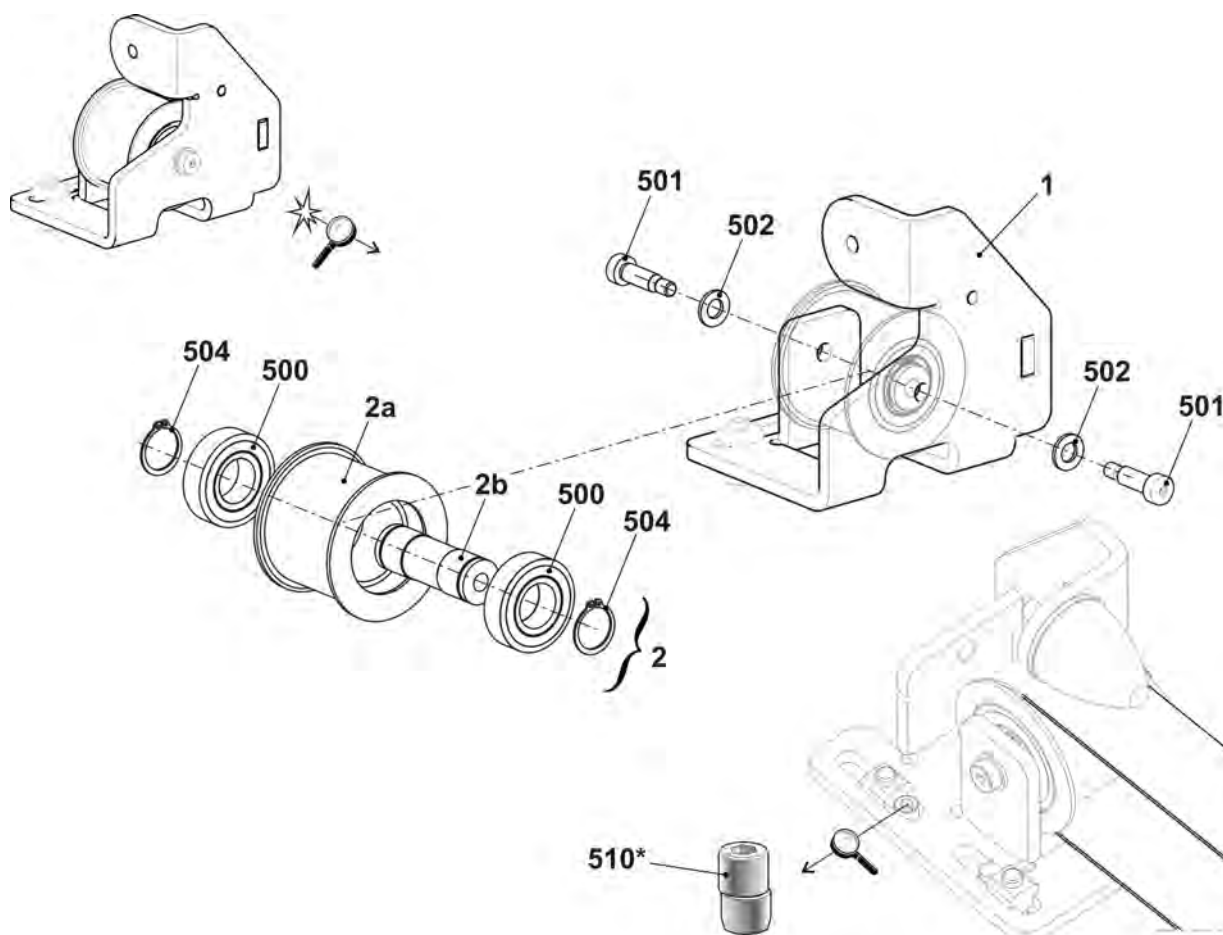
2.1.1 Motor and belt drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	253 877			
1	Drive unit	258 188	521	Retaining ring68x2.5	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	Pinion57 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	Disk10,5X25X2,5	022 178



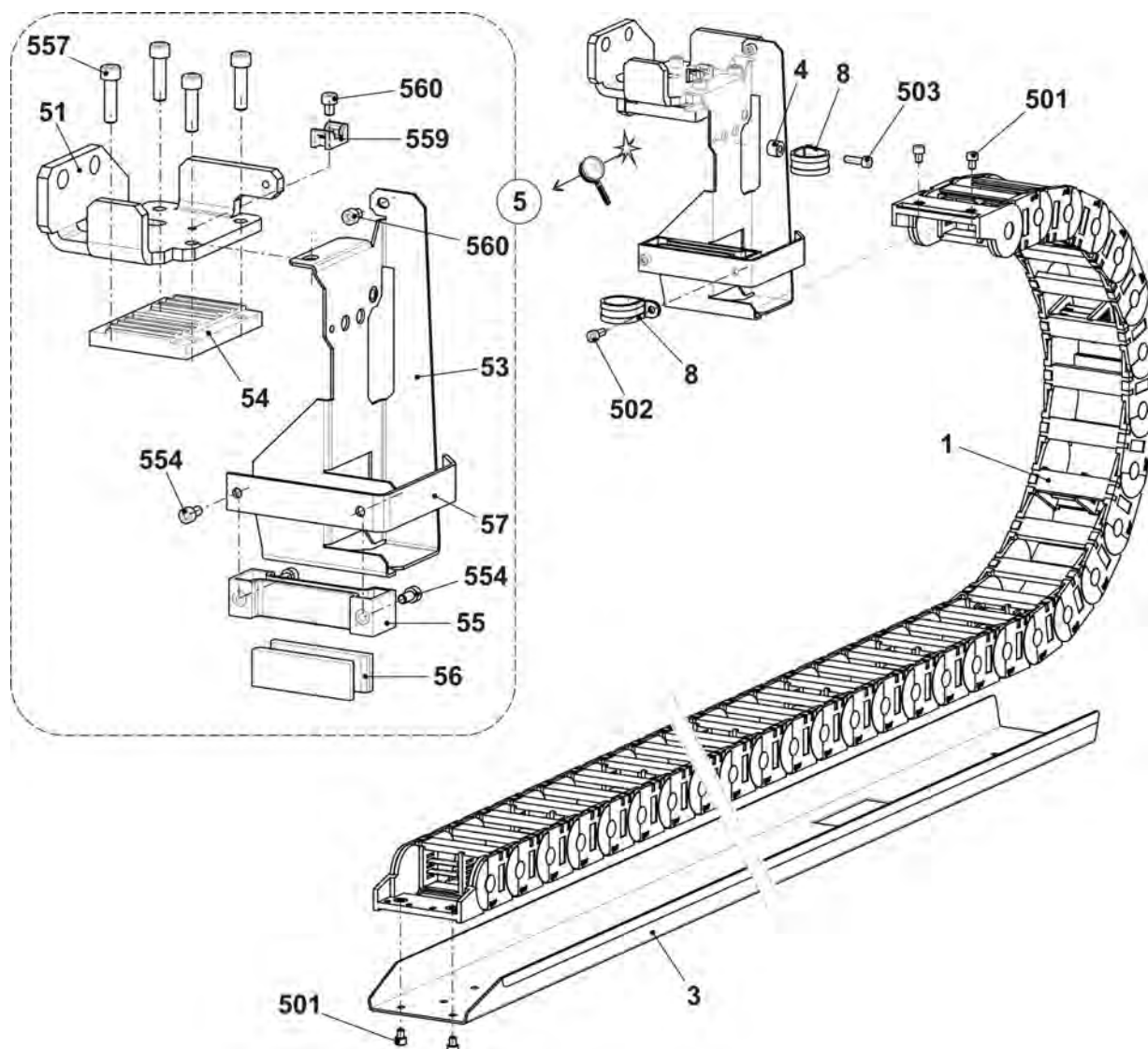
2.1.2 Tension bearing

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	251 617
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

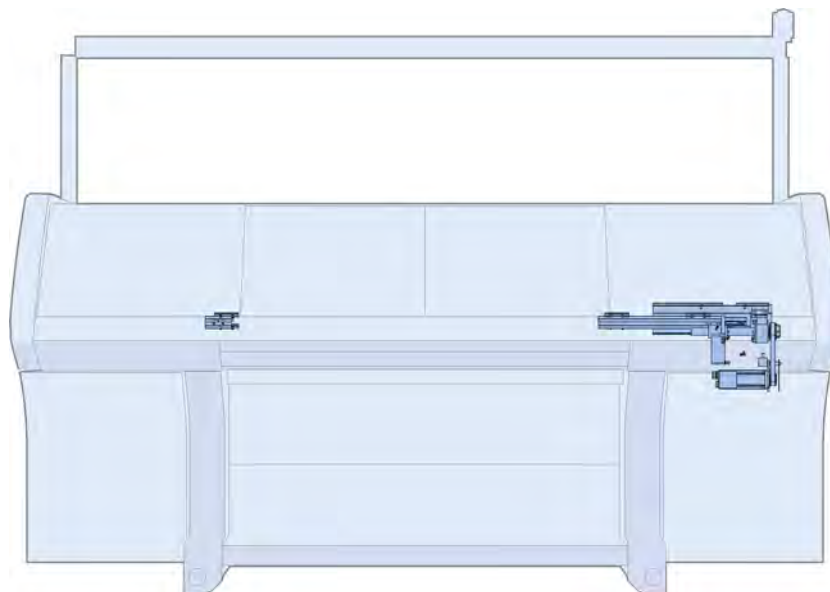


2.2 Energy chain and plunger

Pos	Designation	ID	Pos	Designation	ID
1	Energy chain 30 links	259 234	53	Cable driver carriage driver	258 378
3	Depositing gutter	263 983	54	Clamping plate	252 592
4	Threaded spacer	214 584	55	Cable holder	204 688
8	Hose clip	214 653	56	Cellular caoutchouc black	202 597
501	Cap screw M6x8	023 411	57	Cover strip	258 379
502	Cap screw M6x16	020 135	554	Cap screw M6x12	020 134
503	Cap screw M6x20	020 136	557	Cap screw M8x30	020 143
5	Carriage driver complete	265 268	559	Fixing element	026 489
51	Carriage driver	258 380	560	Cap screw M6x8	023 411

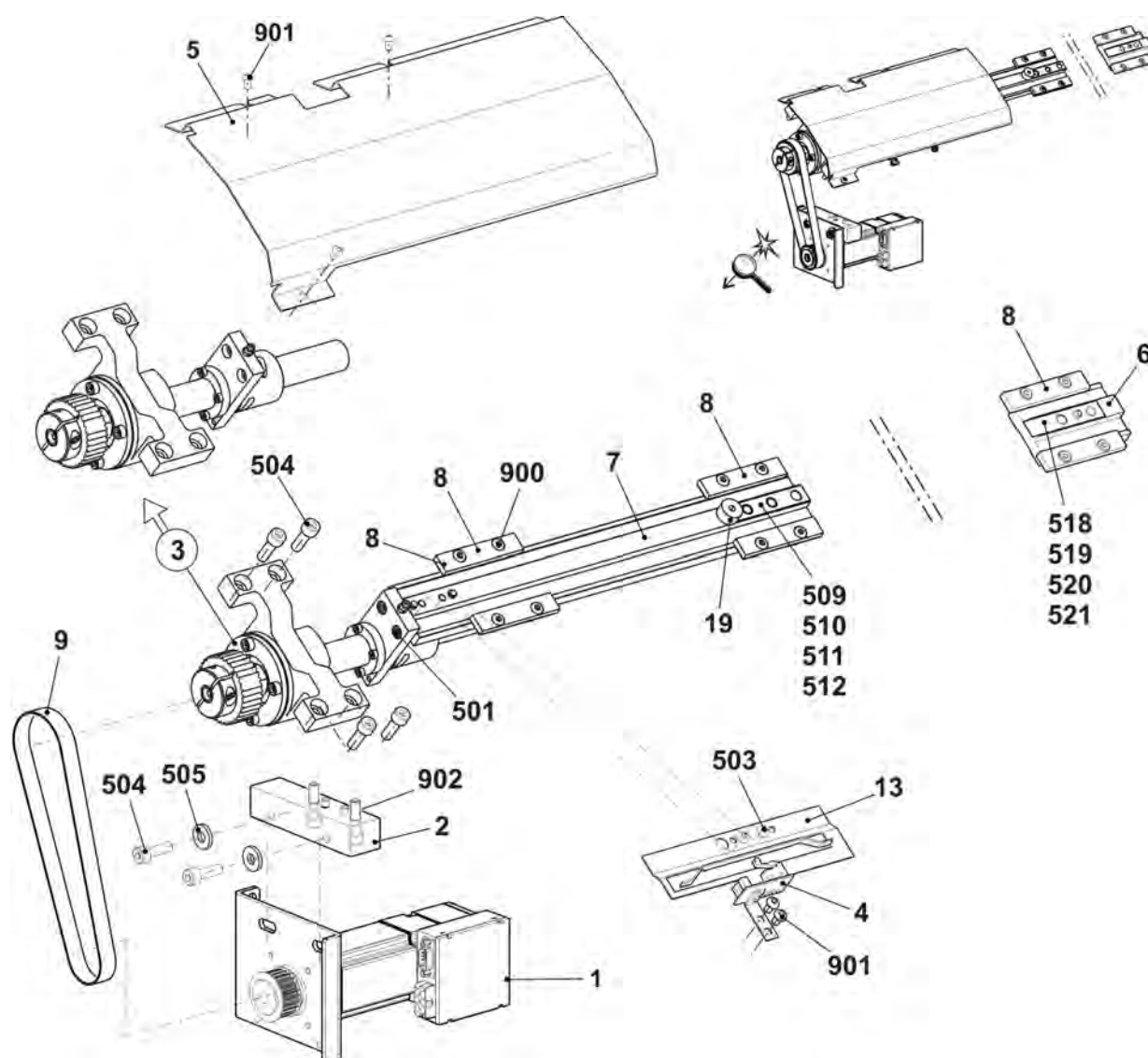


3 Racking

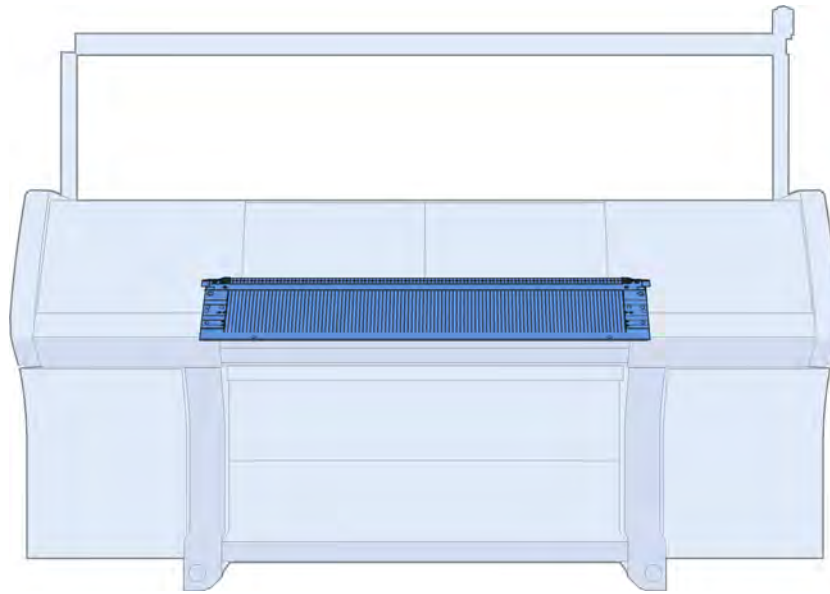


3.1 Racking

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

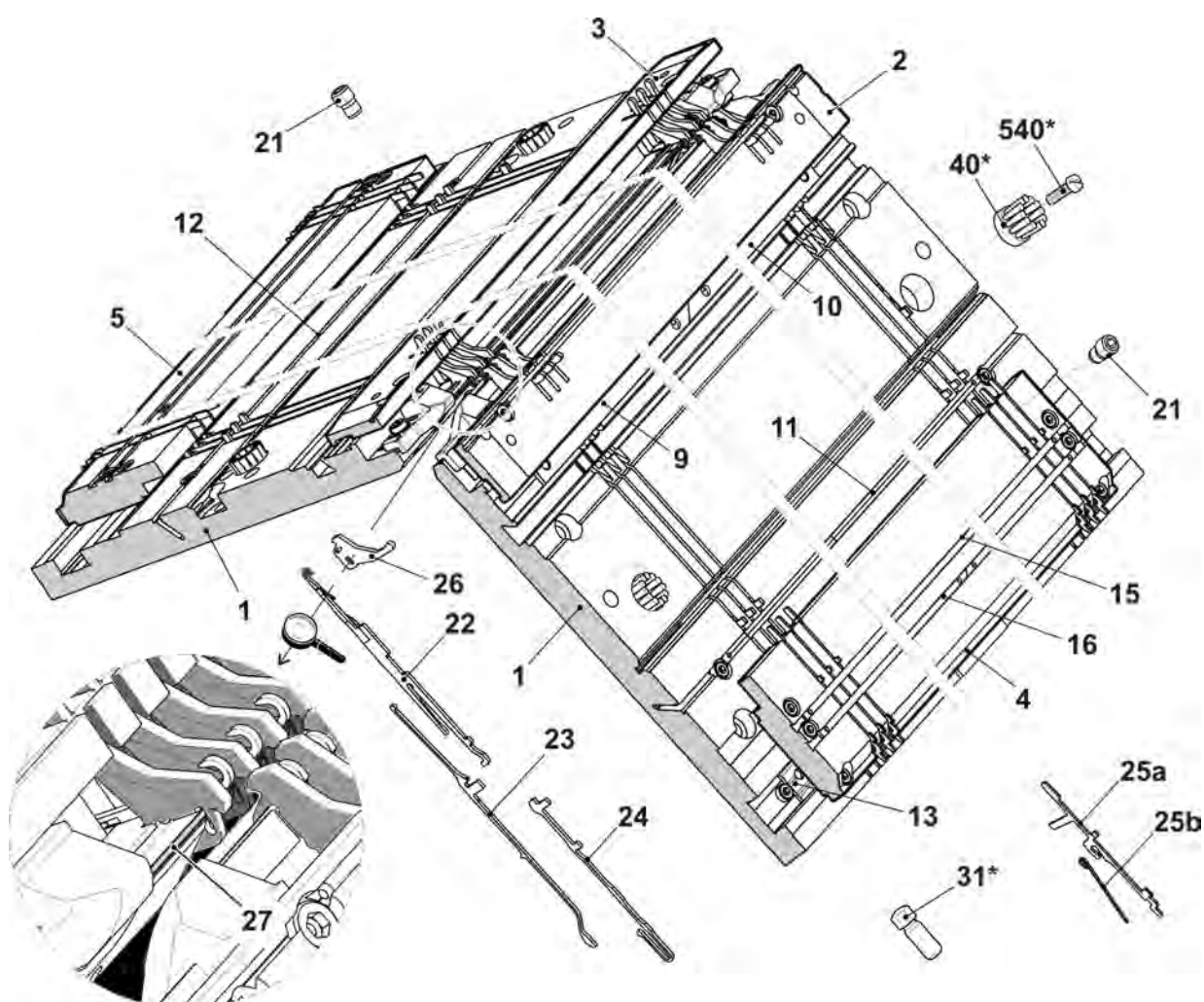


4 Needle beds



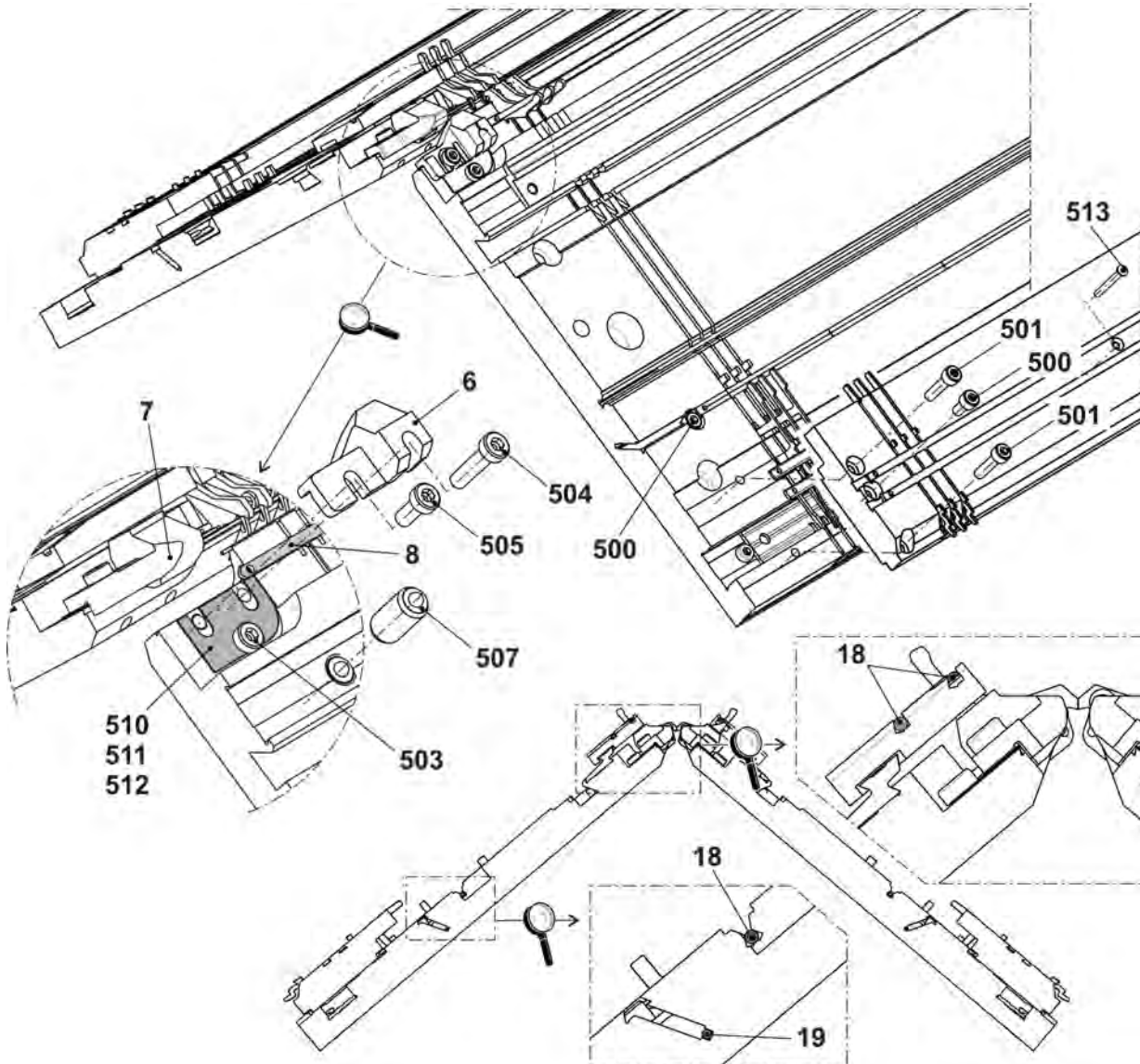
4.1 Needle bed E3

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rearE3	264 841	16	Cover rail	213 763
1	Needle bed at the front + rearE3	264 835	21	Eccentric	204 603
2	Holding-down jack bed frontE3m.3L	261 869	22	Needle E3-4	213 389
3	Holding-down jack bed rear E3m.3L	261 872	23	Coupling part E3-4	213 348
4	Selection jack bed at the front E3	243 155	24	Intermediate slider E3-4	218 799
5	Selection jack bed at the rear E3	243 158	25a	Selection jack E3-4	213 372
9	Needle bar on the left	213 998	25b	Selector spring E4-8	200 690
10	Needle bar on the right	213 999	26	Holding-down jack E3m.3L	261 111
11	Cover rail at the front E3	213 724	27	Locating wire D=1,0 1294 mm	213 717
12	Cover rail at the rear	213 981	31*	Adjusting bolt	230 742
13	Spring slide	243 153	40*	Disk brush	235 612
15	Cover rail	213 762	540*	Cap screw M5x12	020 032



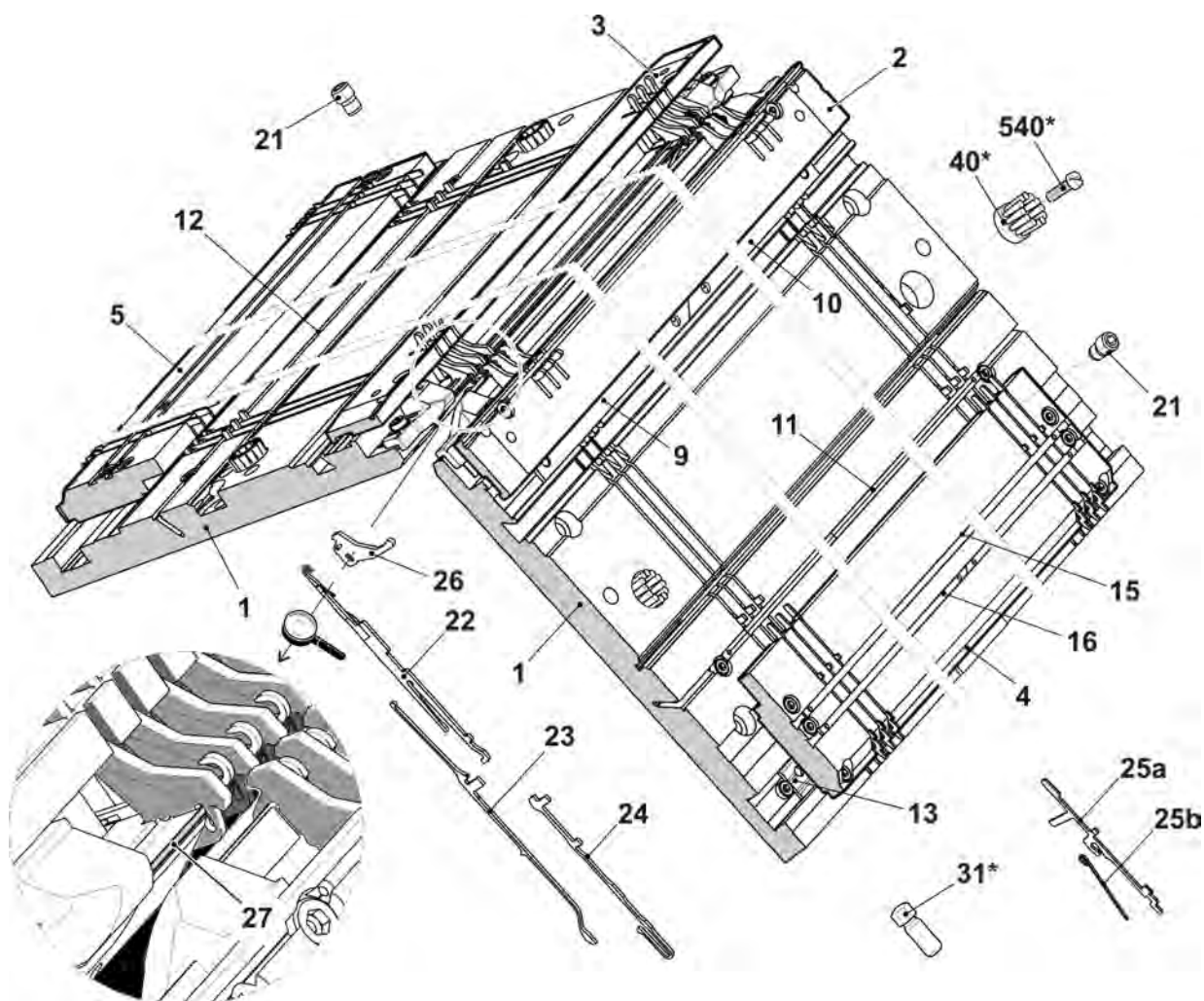
4.1.1 Continuation needle bed E3

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed at the front + rear		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343	504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344	505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712	507	Springy thrust pieceB-M10	023 177
18	Locating wire D=2,8 1290 mm	213 983	510	Shim0,05x18,5x34	023 196
19	Spring steel wire D=2,0 1286 mm	213 996	511	Shim0,1x18,5x34	023 197
500	Cap screw M5x10	022 918	512	Shim0,2x18,5x34	023 253
501	Cap screw M5x20	020 133	513	Countersunk head screw M3x25-10.9	023 447



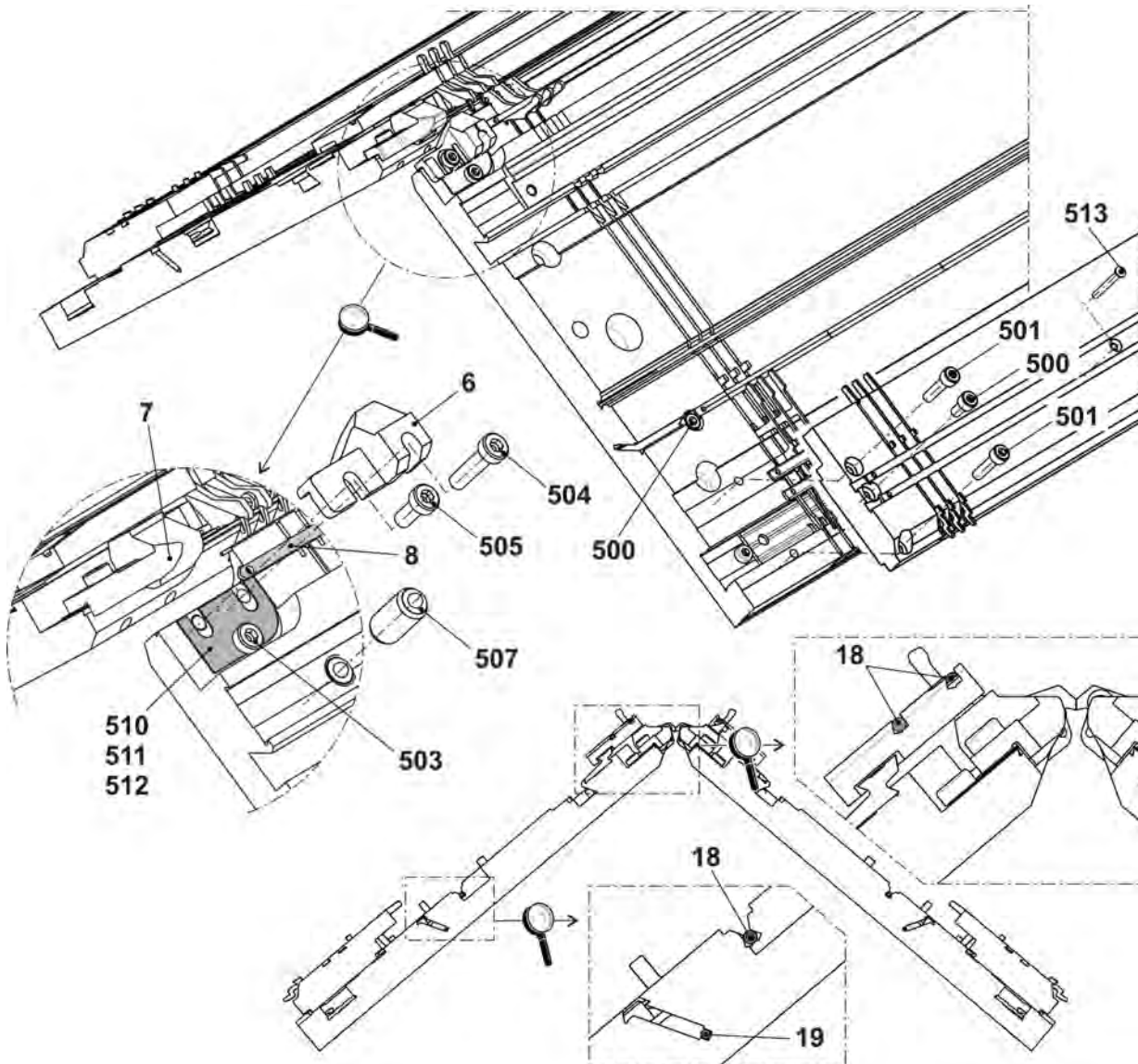
4.2 Needle bed E3,5

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rear E3,5	264 842	16	Cover rail	213 763
1	Needle bed at the front + rear E3,5	264 836	21	Eccentric	204 603
2	Holding-down jack bed front E3,5m.3L	261 870	22	Needle E3-4	213 389
3	Holding-down jack bed rear E3,5m.3L	261 873	23	Coupling part E3-4	213 348
4	Selection jack bed at the front E3,5	243 156	24	Intermediate slider E3-4	218 799
5	Selection jack bed at the rear E3,5	243 159	25a	Selection jack E3-4	213 372
9	Needle bar on the left	213 998	25b	Selector spring E4-8	200 690
10	Needle bar on the right	213 999	26	Holding-down jack E3,5m.3L	261 549
11	Cover rail at the front E3,5	213 725	27	Locating wire D=1,0 1294 mm	213 717
12	Cover rail at the rear	213 981	31*	Adjusting bolt	230 742
13	Spring slide	243 153	40*	Disk brush	235 612
15	Cover rail	213 762	540*	Cap screw M5x12	020 032



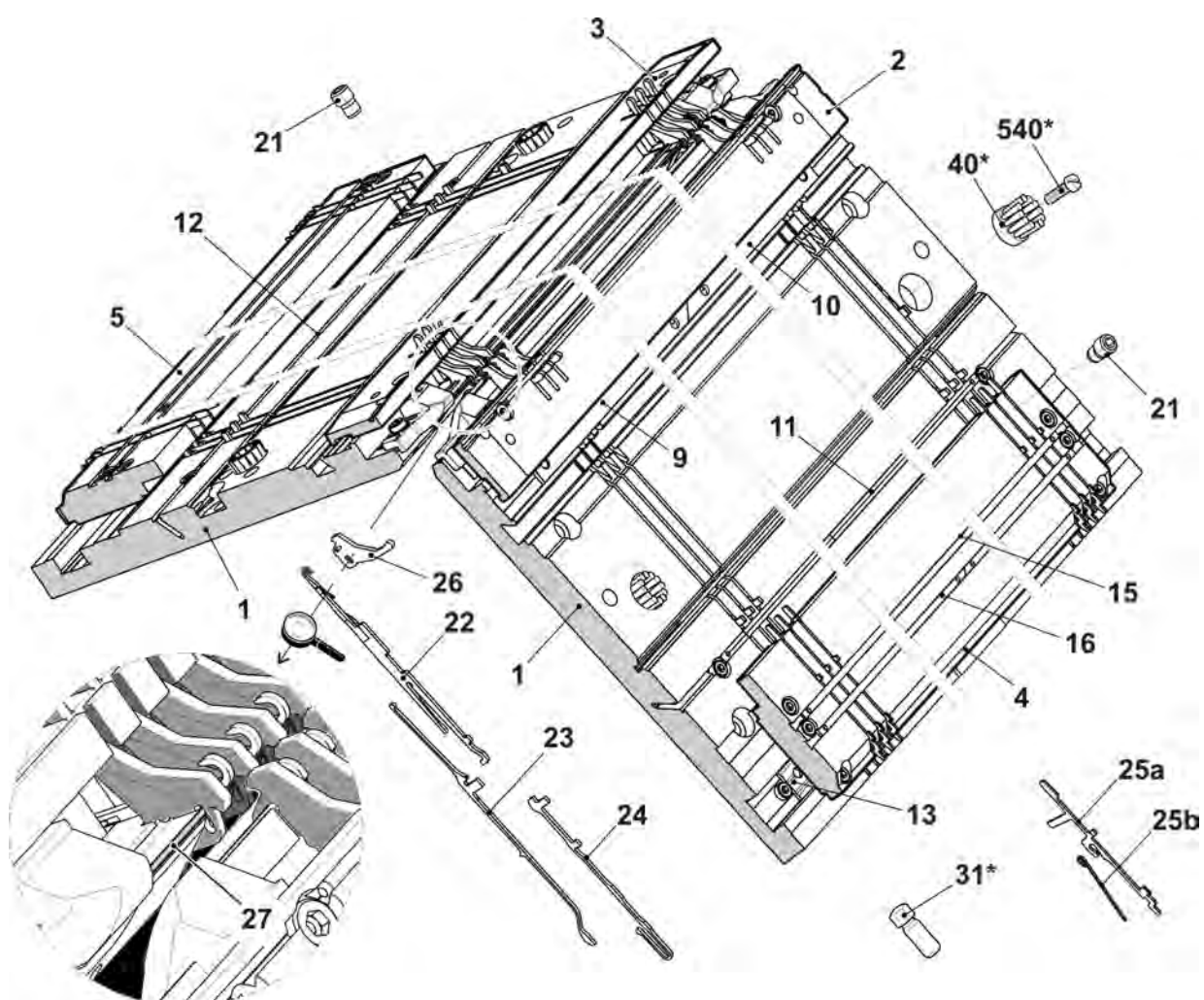
4.2.1 Continuation needle bed E3,5

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed at the front + rear E3,5		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343	504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344	505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712	507	Springy thrust pieceB-M10	023 177
18	Locating wire D=2,8 1290 mm	213 983	510	Shim0,05x18,5x34	023 196
19	Spring steel wire D=2,0 1286 mm	213 996	511	Shim0,1x18,5x34	023 197
500	Cap screw M5x10	022 918	512	Shim0,2x18,5x34	023 253
501	Cap screw M5x20	020 133	513	Countersunk head screw M3x25-10.9	023 447



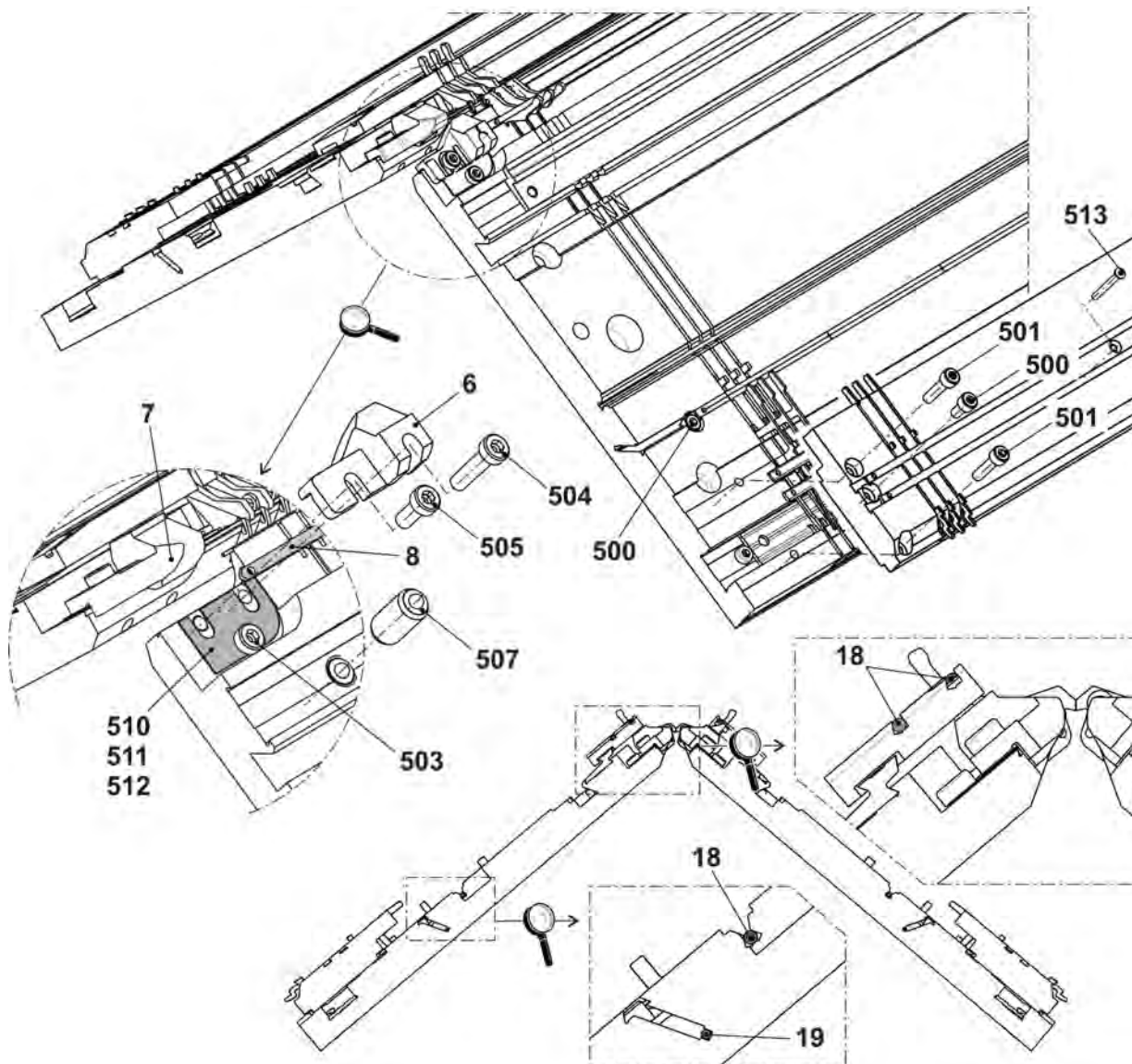
4.3 Needle bed E4

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rearE4	264 843	16	Cover rail	213 763
1	Needle bed at the front + rearE4	264 837	21	Eccentric	204 603
2	Holding-down jack bed frontE4m.3L	261 871	22	Needle E3-4	213 389
3	Holding-down jack bed rear E4m.3L	261 874	23	Coupling part E3-4	213 348
4	Selection jack bed at the front E4	243 157	24	Intermediate slider E3-4	218 799
5	Selection jack bed at the rear E4	243 160	25a	Selection jack E3-4	213 372
9	Needle bar on the left	213 998	25b	Selector spring E4-8	200 690
10	Needle bar on the right	213 999	26	Holding-down jack E4	205 090
11	Cover rail at the front E4	213 726	27	Locating wire D=1,0 1294 mm	213 717
12	Cover rail at the rear	213 981	31*	Adjusting bolt	230 742
13	Spring slide	243 153	40*	Disk brush	235 612
15	Cover rail	213 762	540*	Cap screw M5x12	020 032



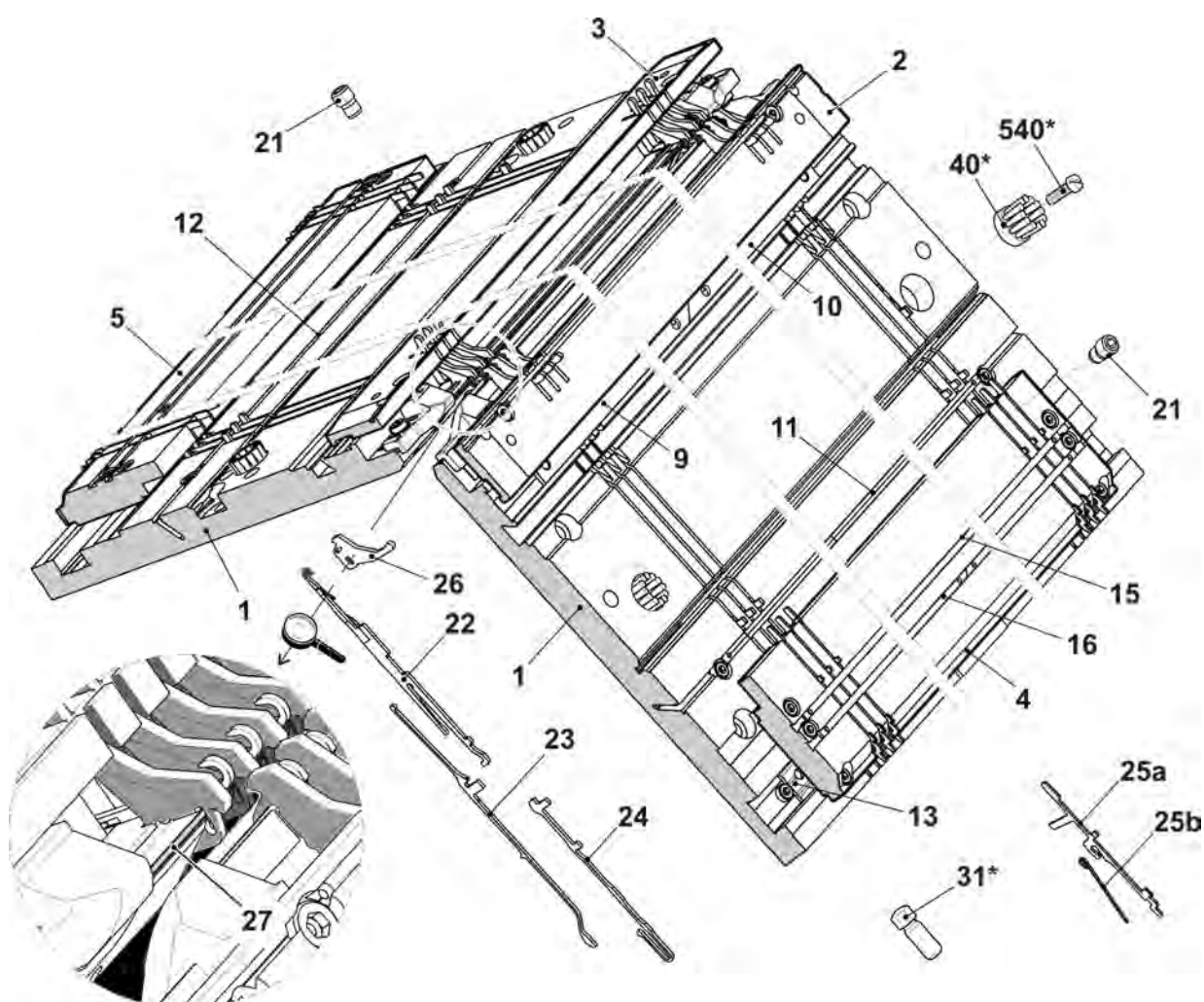
4.3.1 Continuation needle bed E4

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed at the front + rearE4		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343	504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344	505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712	507	Springy thrust pieceB-M10	023 177
18	Locating wire D=2,8 1290 mm	213 983	510	Shim0,05x18,5x34	023 196
19	Spring steel wire D=2,0 1286 mm	213 996	511	Shim0,1x18,5x34	023 197
500	Cap screw M5x10	022 918	512	Shim0,2x18,5x34	023 253
501	Cap screw M5x20	020 133	513	Countersunk head screw M3x25-10.9	023 447



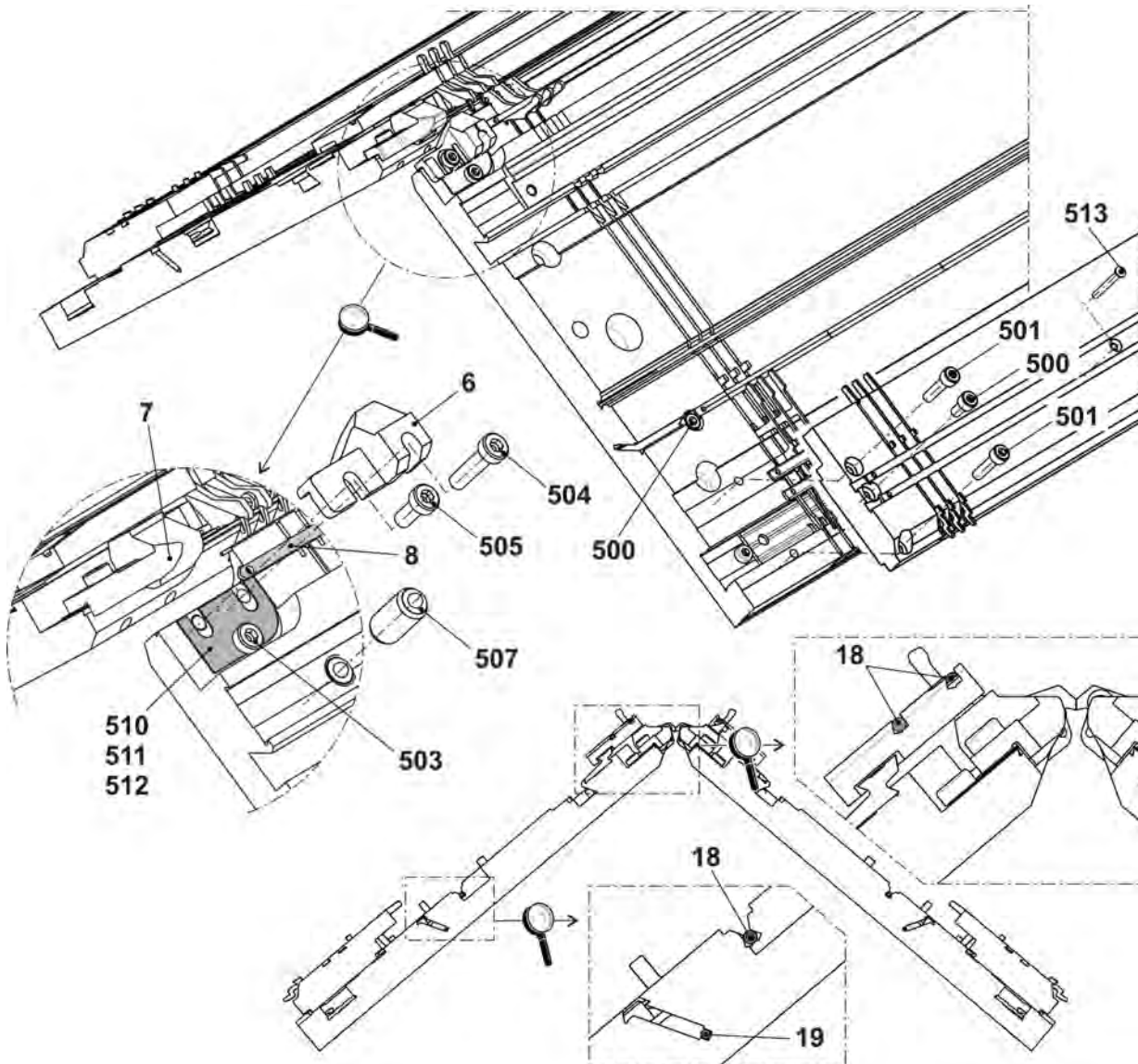
4.4 Needle bed E3m.3L

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rear E3m.3L	264 844	16	Cover rail	213 763
1	Needle bed at the front + rear E3	264 835	21	Eccentric	204 603
2	Holding-down jack bed front E3m.3L	261 869	22	Needle E3-4m.3L	259 856
3	Holding-down jack bed rear E3m.3L	261 872	23	Coupling part E3-4	213 348
4	Selection jack bed at the front E3	243 155	24	Intermediate slider E3-4	218 799
5	Selection jack bed at the rear E3	243 158	25a	Selection jack E3-4	213 372
9	Needle bar on the left	213 998	25b	Selector spring E4-8	200 690
10	Needle bar on the right	213 999	26	Holding-down jack E3m.3L	261 111
11	Cover rail at the front E3,5	213 724	27	Locating wire D=1,0 1294 mm	213 717
12	Cover rail at the rear	213 981	31*	Adjusting bolt	230 742
13	Spring slide	243 153	40*	Disk brush	235 612
15	Cover rail	213 762	540*	Cap screw M5x12	020 032



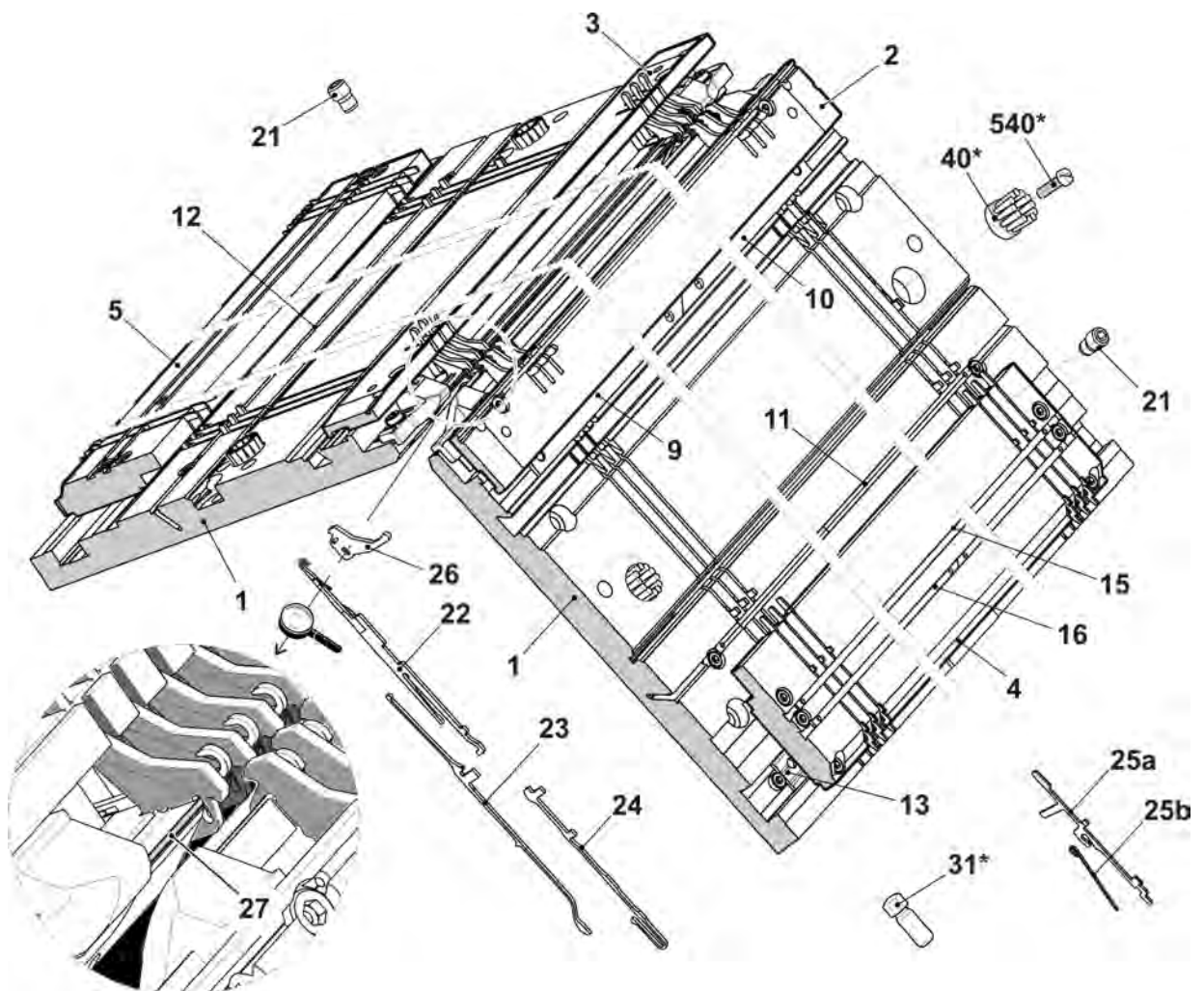
4.4.1 Continuation needle bed E3m.3L

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rear E3m.3L		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343	504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344	505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712	507	Springy thrust pieceB-M10	023 177
18	Locating wire D=2,8 1290 mm	213 983	510	Shim0,05x18,5x34	023 196
19	Spring steel wire D=2,0 1286 mm	213 996	511	Shim0,1x18,5x34	023 197
500	Cap screw M5x10	022 918	512	Shim0,2x18,5x34	023 253
501	Cap screw M5x20	020 133	513	Countersunk head screw M3x25-10.9	023 447



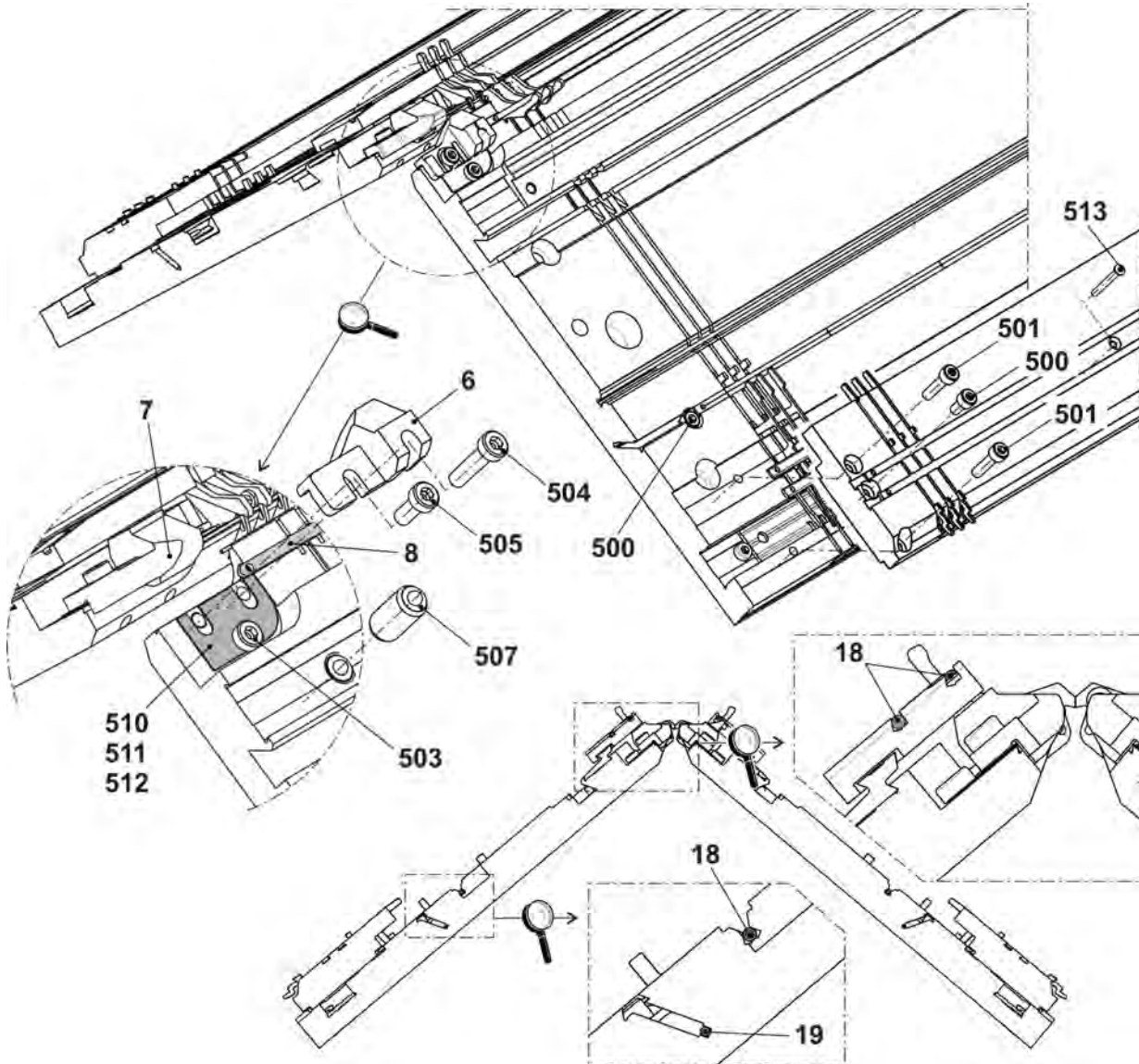
4.5 Needle bed E3,5m.3L

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rear E3,5m.3L	264 845	16	Cover rail	213 763
1	Needle bed at the front + rear E3,5	264 836	21	Eccentric	204 603
2	Holding-down jack bed front E3,5m.3L	261 870	22	Needle E3-4m.3L	259 856
3	Holding-down jack bed rear E3,5m.3L	261 873	23	Coupling part E3-4	213 348
4	Selection jack bed at the front E3,5	243 156	24	Intermediate slider E3-4	218 799
5	Selection jack bed at the rear E3,5	243 159	25a	Selection jack E3-4	213 372
9	Needle bar on the left	213 998	25b	Selector spring E4-8	200 690
10	Needle bar on the right	213 999	26	Holding-down jack E3,5m.3L	261 549
11	Cover rail at the front E3,5	213 725	27	Locating wire D=1,0 1294 mm	213 717
12	Cover rail at the rear	213 981	31*	Adjusting bolt	230 742
13	Spring slide	243 153	40*	Disk brush	235 612
15	Cover rail	213 762	540*	Cap screw M5x12	020 032



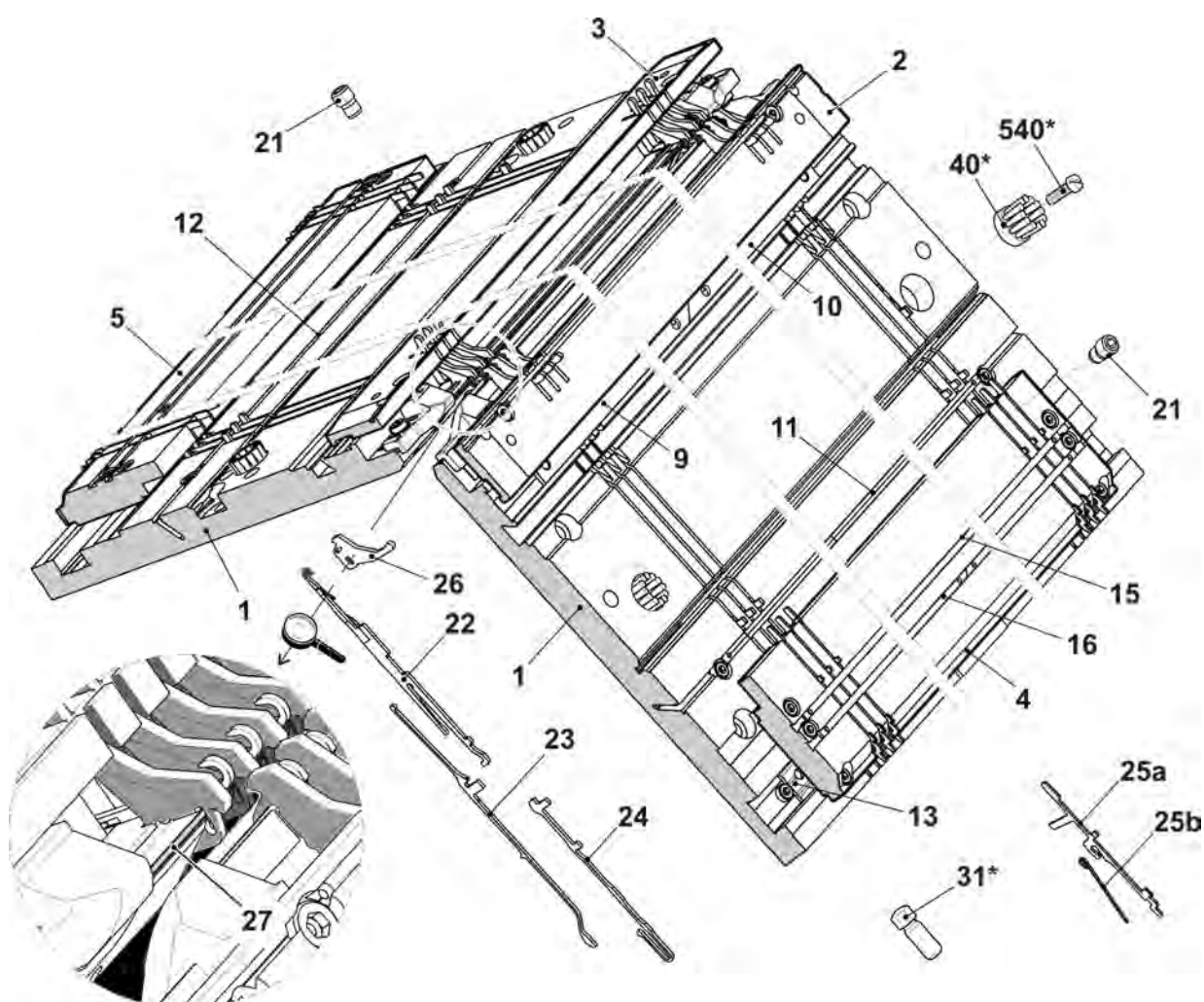
4.5.1 Continuation needle bed E3,5m.3L

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed at the front + rear E3,5m.3L		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343	504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344	505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712	507	Springy thrust piece B-M10	023 177
18	Locating wire D=2,8 1290 mm	213 983	510	Shim 0,05x18,5x34	023 196
19	Spring steel wire D=2,0 1286 mm	213 996	511	Shim 0,1x18,5x34	023 197
500	Cap screw M5x10	022 918	512	Shim 0,2x18,5x34	023 253
501	Cap screw M5x20	020 133	513	Countersunk head screw M3x25-10.9	023 447



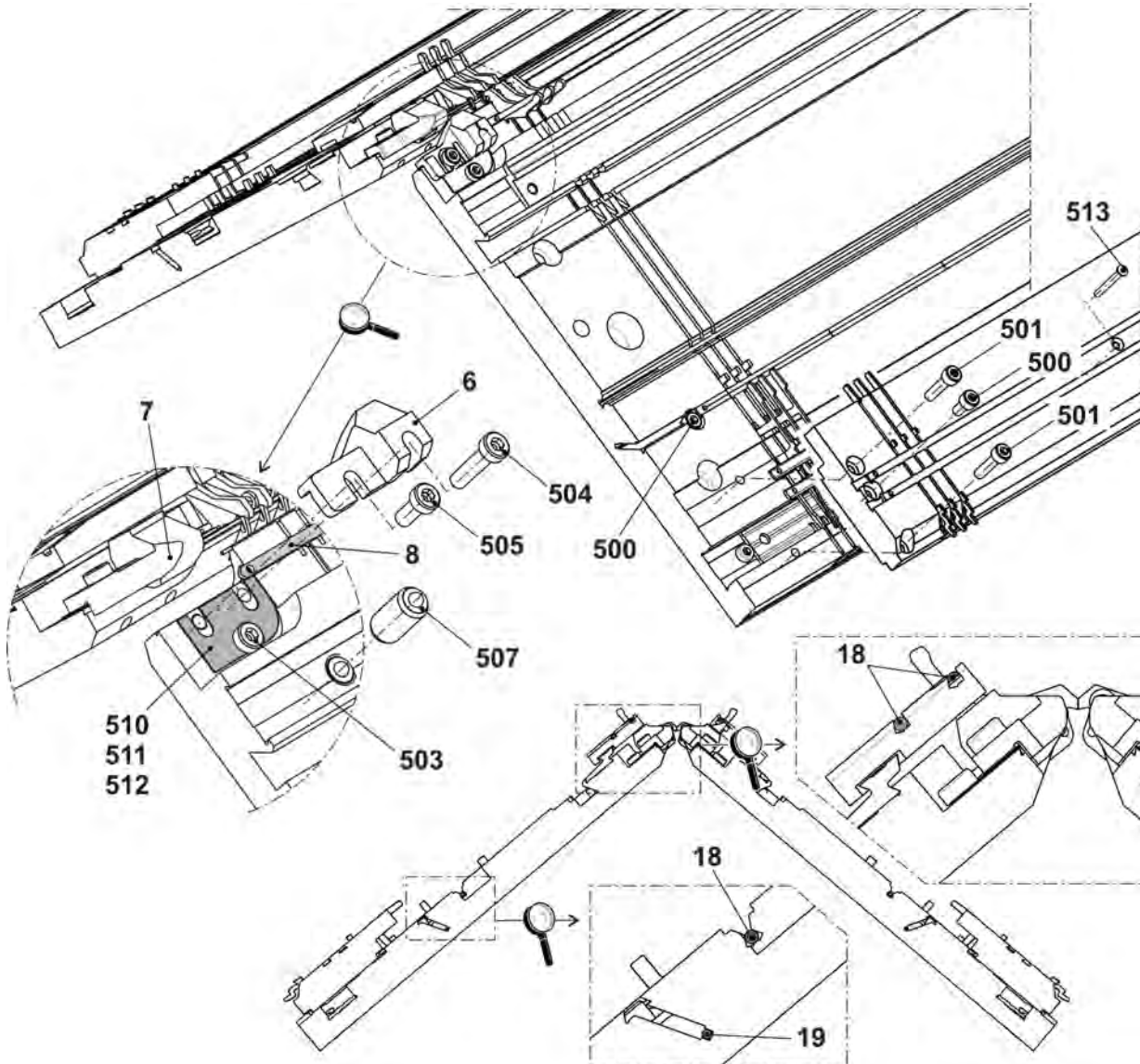
4.6 Needle bed E4m.3L

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rearE4	264 843	16	Cover rail	213 763
1	Needle bed at the front + rearE4	264 837	21	Eccentric	204 603
2	Holding-down jack bed frontE4m.3L	261 871	22	Needle E3-4m.3L	259 856
3	Holding-down jack bed rear E4m.3L	261 874	23	Coupling part E3-4	213 348
4	Selection jack bed at the front E4	243 157	24	Intermediate slider E3-4	218 799
5	Selection jack bed at the rear E4	243 160	25a	Selection jack E3-4	213 372
9	Needle bar on the left	213 998	25b	Selector spring E4-8	200 690
10	Needle bar on the right	213 999	26	Holding-down jack E4m.3L	261 550
11	Cover rail at the front E4	213 726	27	Locating wire D=1,0 1294 mm	213 717
12	Cover rail at the rear	213 981	31*	Adjusting bolt	230 742
13	Spring slide	243 153	40*	Disk brush	235 612
15	Cover rail	213 762	540*	Cap screw M5x12	020 032



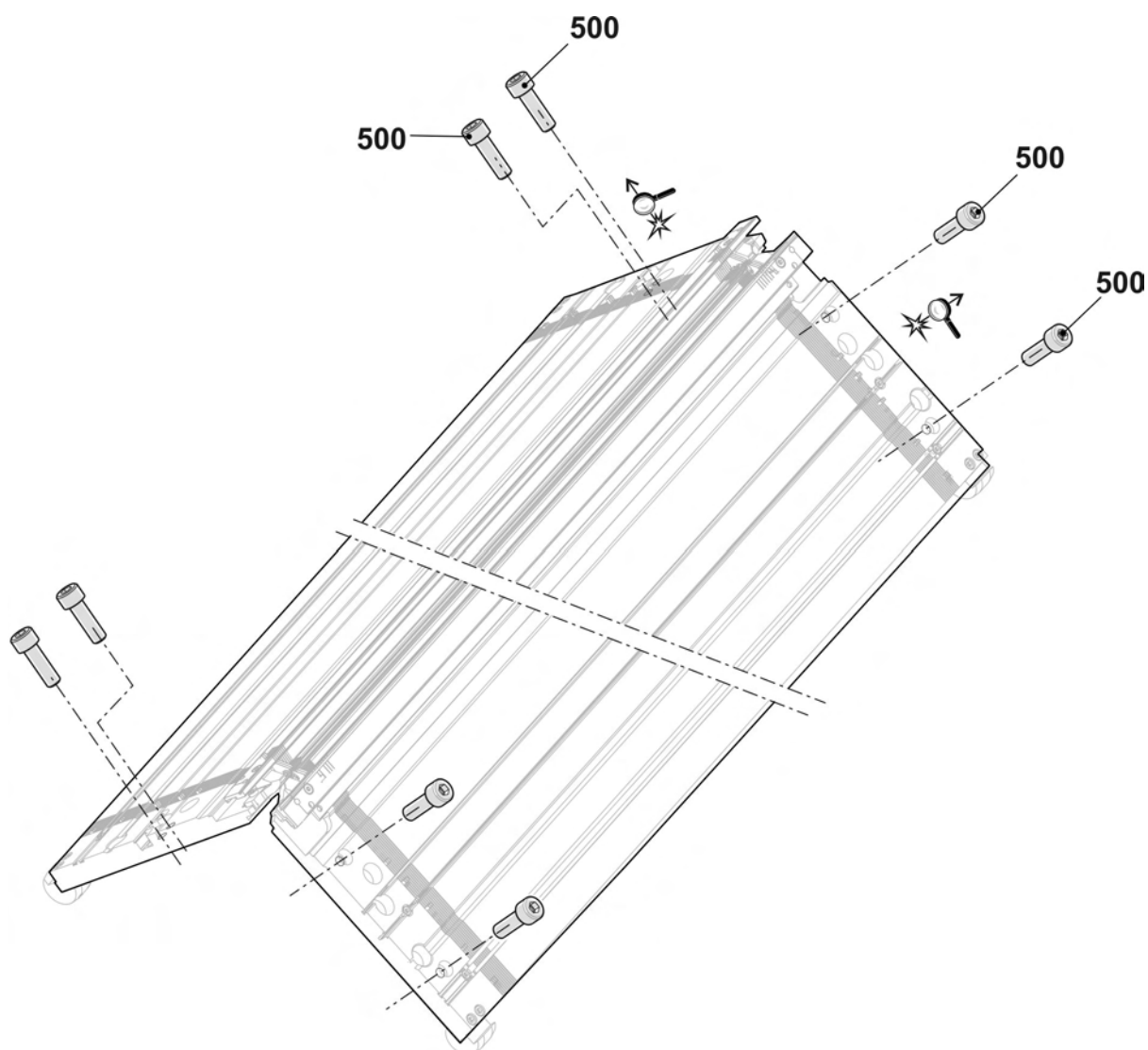
4.6.1 Continuation needle bed E4m.3L

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rear E4m.3L		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343	504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344	505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712	507	Springy thrust pieceB-M10	023 177
18	Locating wire D=2,8 1290 mm	213 983	510	Shim0,05x18,5x34	023 196
19	Spring steel wire D=2,0 1286 mm	213 996	511	Shim0,1x18,5x34	023 197
500	Cap screw M5x10	022 918	512	Shim0,2x18,5x34	023 253
501	Cap screw M5x20	020 133	513	Countersunk head screw M3x25-10.9	023 447



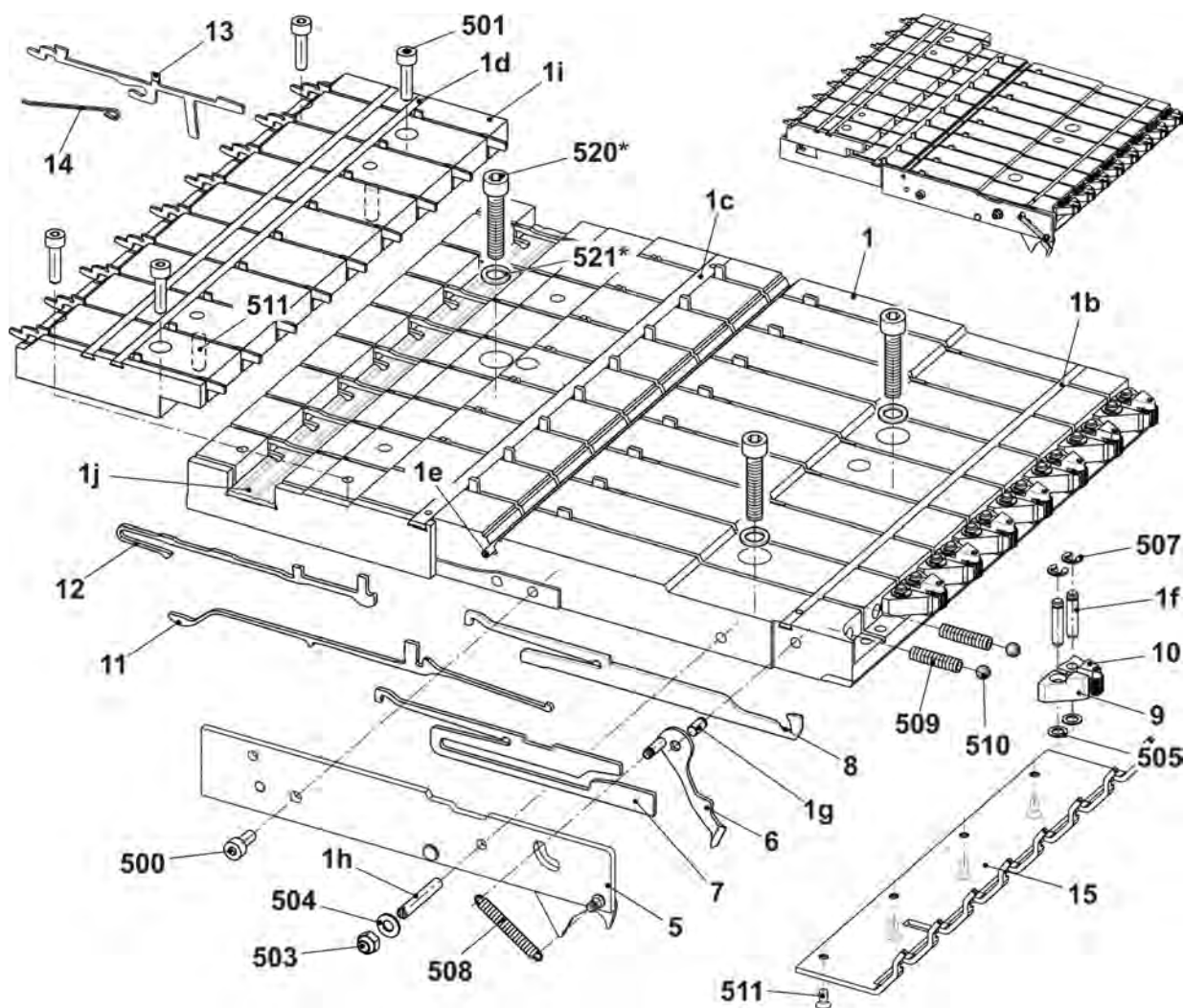
4.7 Needle beds, fixing elements

Pos	Designation	ID	Pos	Designation	ID
Σ	Fixing elements				
500	Cap screw M8x25	020 142			



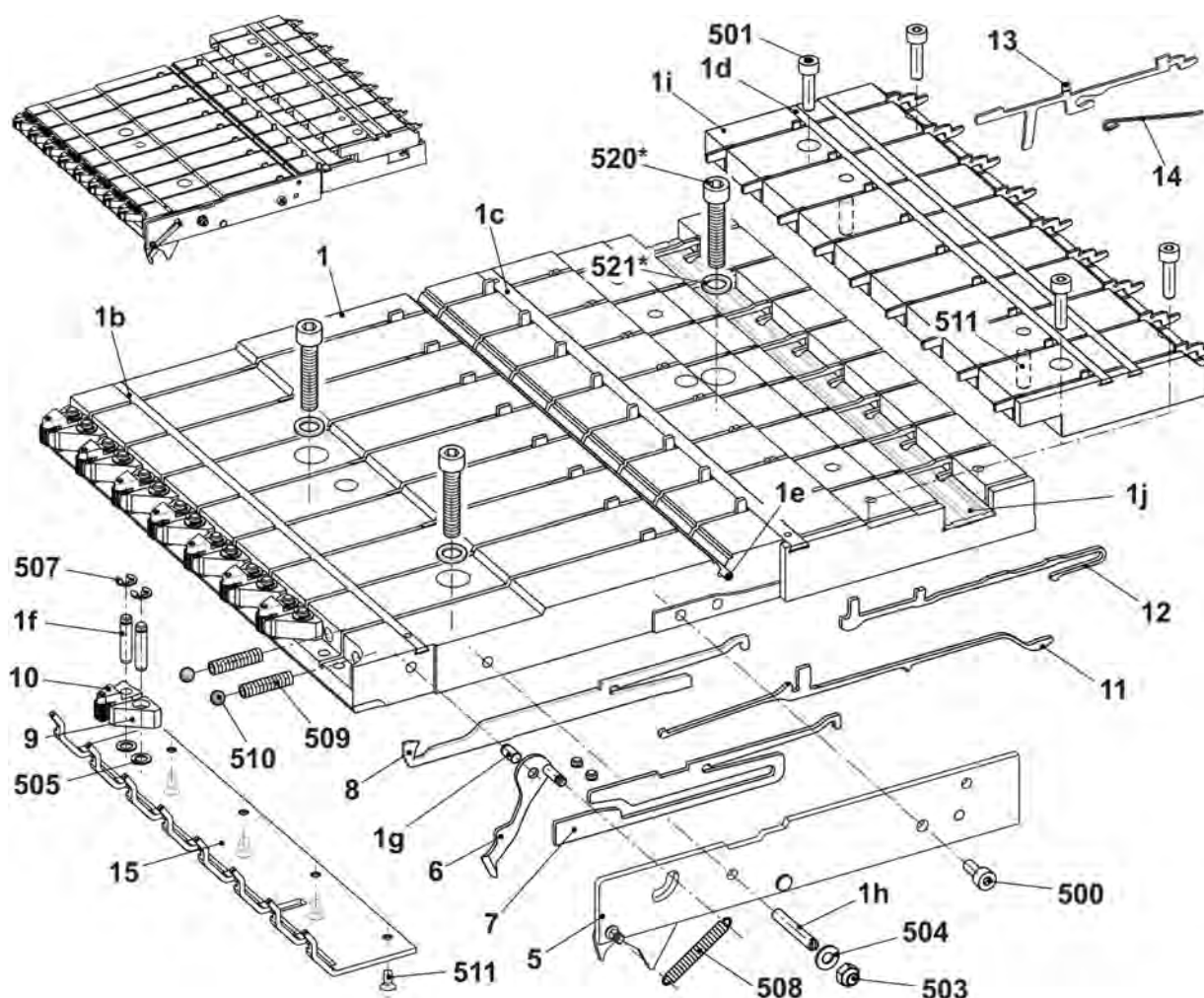
4.8 Left clamping/cutting bed

Pos	Designation	ID	Pos	Designation	ID
Σ	Left clamping and cutting bed E3-4m.3L	261 806			
1	Guide plate on the left EPT E3-4m.3L	261 805	11	Coupling part E3-4	213 348
1b	Cover rail	211 358	12	Intermediate slider E3-4	218 799
1c	Cover rail	216 105	13	Selection jack E3-4	213 372
1d	Cover rail	209 224	14	Selector spring E4-8	200 690
1e	Locating wire	215 927	15	Deflector plate on the left	262 359
1f	Bolts E3-4m.3L	261 786	500	Cap screw M4x10	023 136
1g	Axle	257 201	501	Cap screw M4x16	020 131
1h	Guide pin	211 351	503	Hexagon nut M4	023 046
1i	Selection jack bed on the left E3-4	215 906	504	Washer 4	020 870
1j	Spring slide	215 908	505	Washer 4,3x7x0,5	022 153
511	Dowel pin 5x12	021 988	507	Circlip 3,2	021 019
5	Cover on the left complete E3-4	215 925	508	Tension spring 4x0,55x18,9	023 392
6	Catch hook on the left E3-4	215 887	509	Compression spring 0,9x3,6x24,36	023 331
7	Slider	215 827	510	Ball 5	023 309
8	Catch needle on the left E3-4m.3L	261 544	511	Countersunk screw M3x6	020 286
9	Blade on the left E3-4m.3L	262 350	520*	Cap screw M6x25	023 335
10	Clamp on the left complete E3-4m.3L	262 293	521*	Washer 7,6x11,6x1,5	023 334

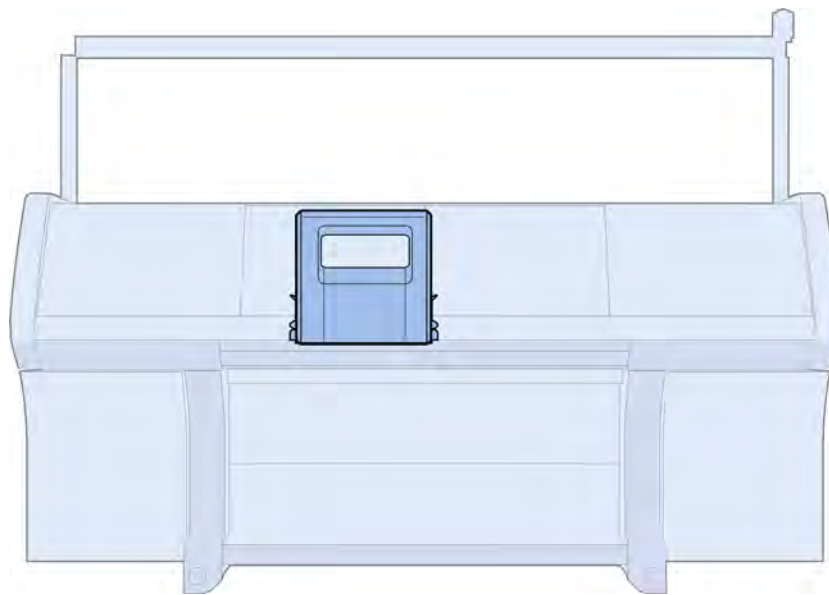


4.9 Clamping/cutting bed on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Clamping and cutting bed on the right E3-4m.3L	261 785			
1	Guide plate with EPT on the right E3-4m.3L	261 784	11	Coupling part E3-4	213 348
1b	Cover rail	211 358	12	Intermediate slider E3-4	218 799
1c	Cover rail	216 105	13	Selection jack E3-4	213 372
1d	Cover rail	209 224	14	Selector spring E4-8	200 690
1e	Locating wire	215 927	15	Deflector plate on the right	262 360
1f	Bolts E3-4m.3L	261 786	500	Cap screw M4x10	023 136
1g	Axle	257 201	501	Cap screw M4x16	020 131
1h	Guide pin	211 351	503	Hexagon nut M4	023 046
1i	Selection jack bed on the right E3-4	215 907	504	Washer 4	020 870
1j	Spring slide	215 908	505	Washer 4,3x7x0,5	022 153
511	Dowel pin 5x12	021 988	507	Circlip 3,2	021 019
5	Cover on the left complete E3-4	215 926	508	Tension spring 4x0,55x18,9	023 392
6	Catch hook on the right E3-4	215 888	509	Compression spring 0,9x3,6x24,36261 786	023 331
7	Slider	215 827	510	Ball 5	023 309
8	Catch needle on the right E3-4m.3L	261 545	511	Countersunk screw M3x6	020 286
9	Blade on the right E3-4m.3L	262 351	520*	Cap screw M6x25	023 335
10	Clamp on the right complete E3-4m.3L	262 294	521*	Washer 7,6x11,6x1,5	023 334

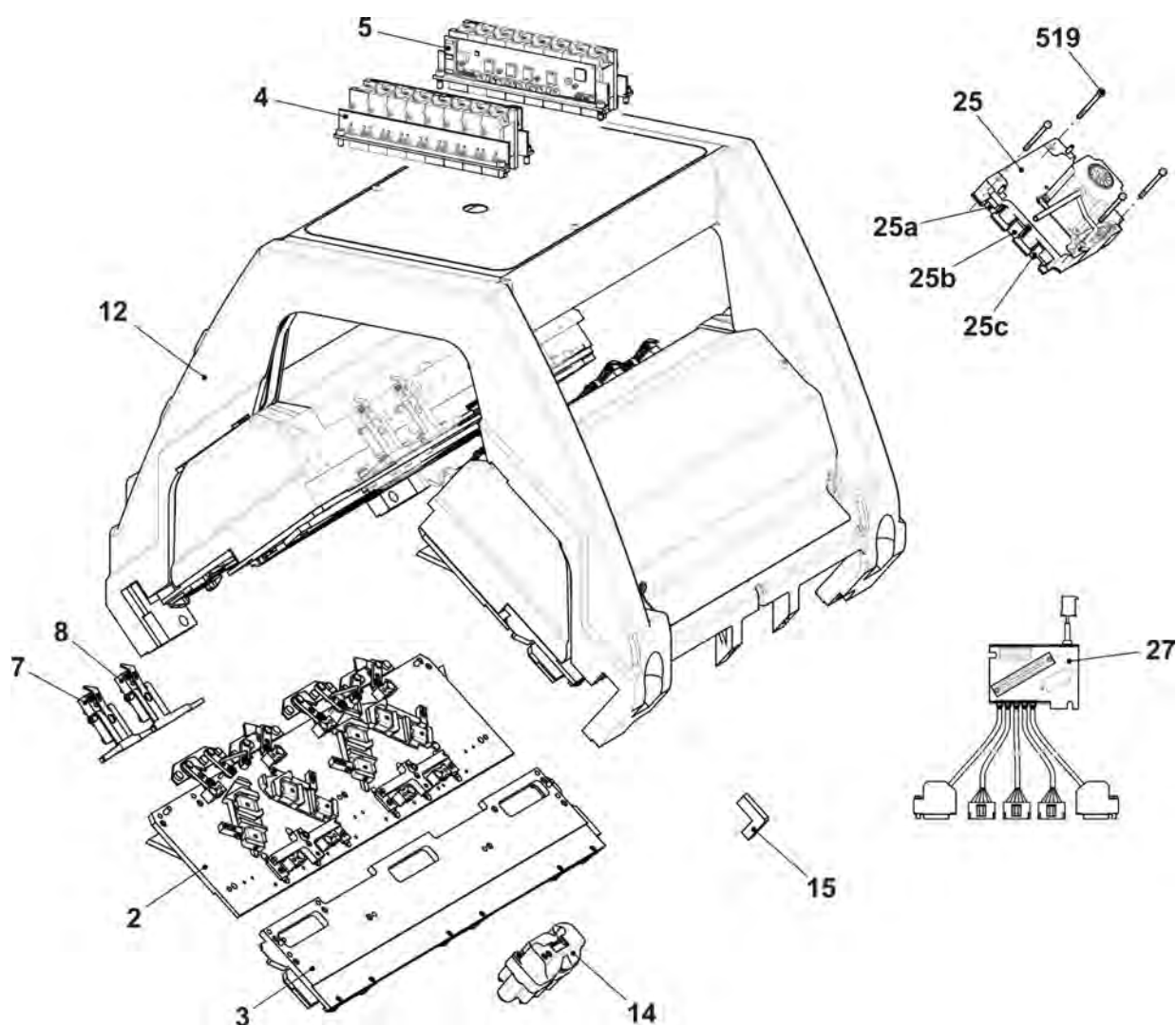


5 Carriage



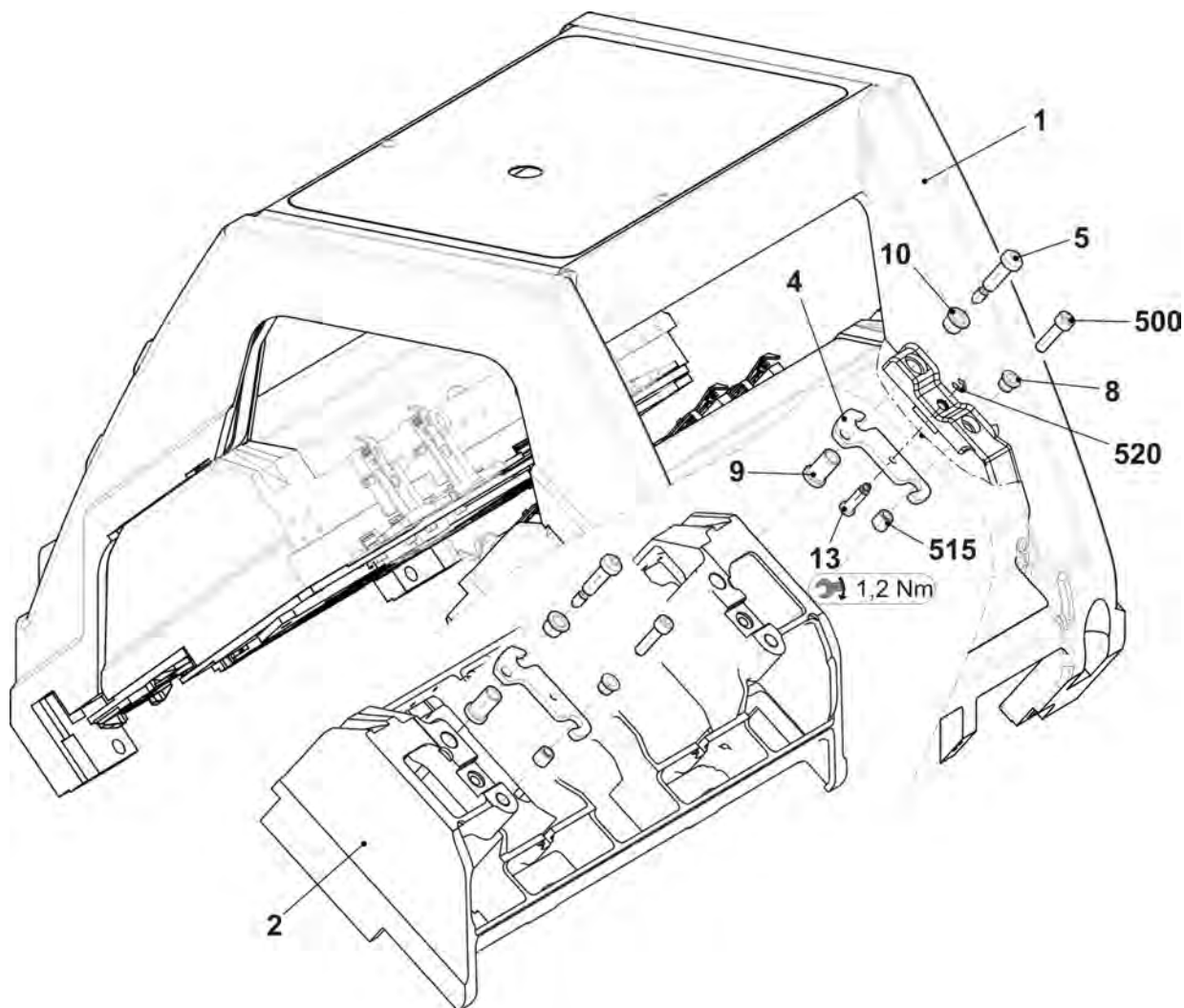
5.1 Overview of carriage

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage completeE3-4	256 647			
	Carriage completeE3-4m.3L	262 124			
2	Needle cam complete	214 808	14	Selection system completeE2-8	216 218
	Needle cam completeE3-4m.3L	262 125	15	Wiper felt	241 411
3	Jack cam box complete	214 809	25	Motor unit complete(AT=714946)	214 946
4	Yarn carrier driving unit outside complete	241 080	25a	Gear rack at the top	265 348
5	Yarn carrier driving unit in the middle complete	241 081	25b	Gear rack in the middle	265 349
7	Holding-down jack control on the rightE3-4m.3L	261 829	25c	Gear rack at the bottom	261 393
8	Holding-down jack control on the leftE3-4m.3L	261 828	520	Screw M4x40	023 095
12	Carriage assembly 2 cam boxes complete	256 499	27	Distributor 520C	253 666



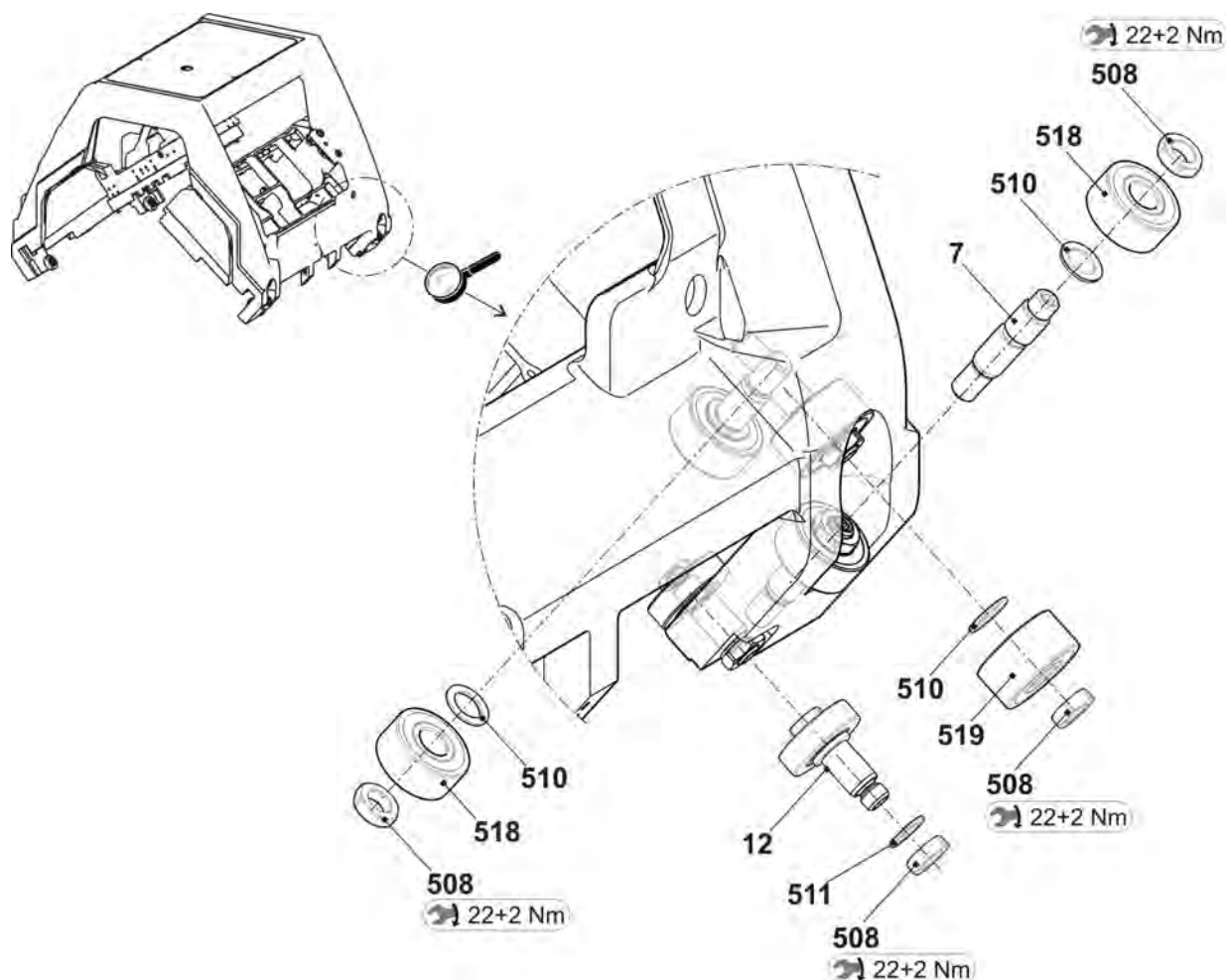
5.2 Carriage assembly

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage assembly 2 cam boxes 520C	256 499	9	Bush	209 275
1	Carriage frame, 2 cam boxes	259 016	10	Bush	209 274
2	Carriage part, 2 cam boxes	243 100	13	Locating bolt linking spot	244 179
4	Shim	225 312	500	Cap screw M8x30	020 143
5	Shoulder screw	211 750	515	Threaded bush	041 863
8	Bush	207 546	520	Circlip	021 022



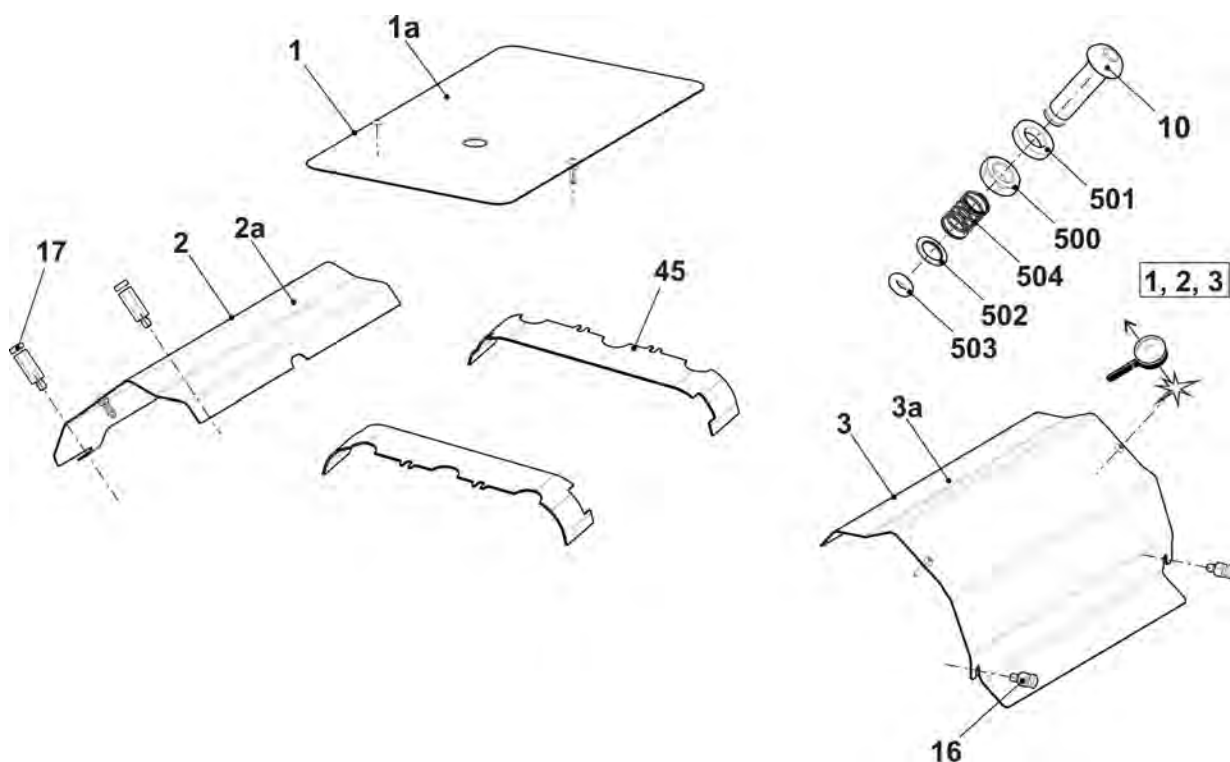
5.3 Carriage guide

Pos	Designation	ID	Pos	Designation	ID
7	Bearing bolt eccentric 0,5	240 624	510	Shim ring 12x18x1	023 315
12	Bolt complete with bearing	244 283	511	Shim ring 10x16x1	023 260
525	Roller10X32X9	242 071	518	Grooved ball bearing 62201-2RS	241 408
526	Shim ring 10x16x2	242 071	519	Grooved ball bearing 62300-2RS1	242 070
508	NutM10	023 316			



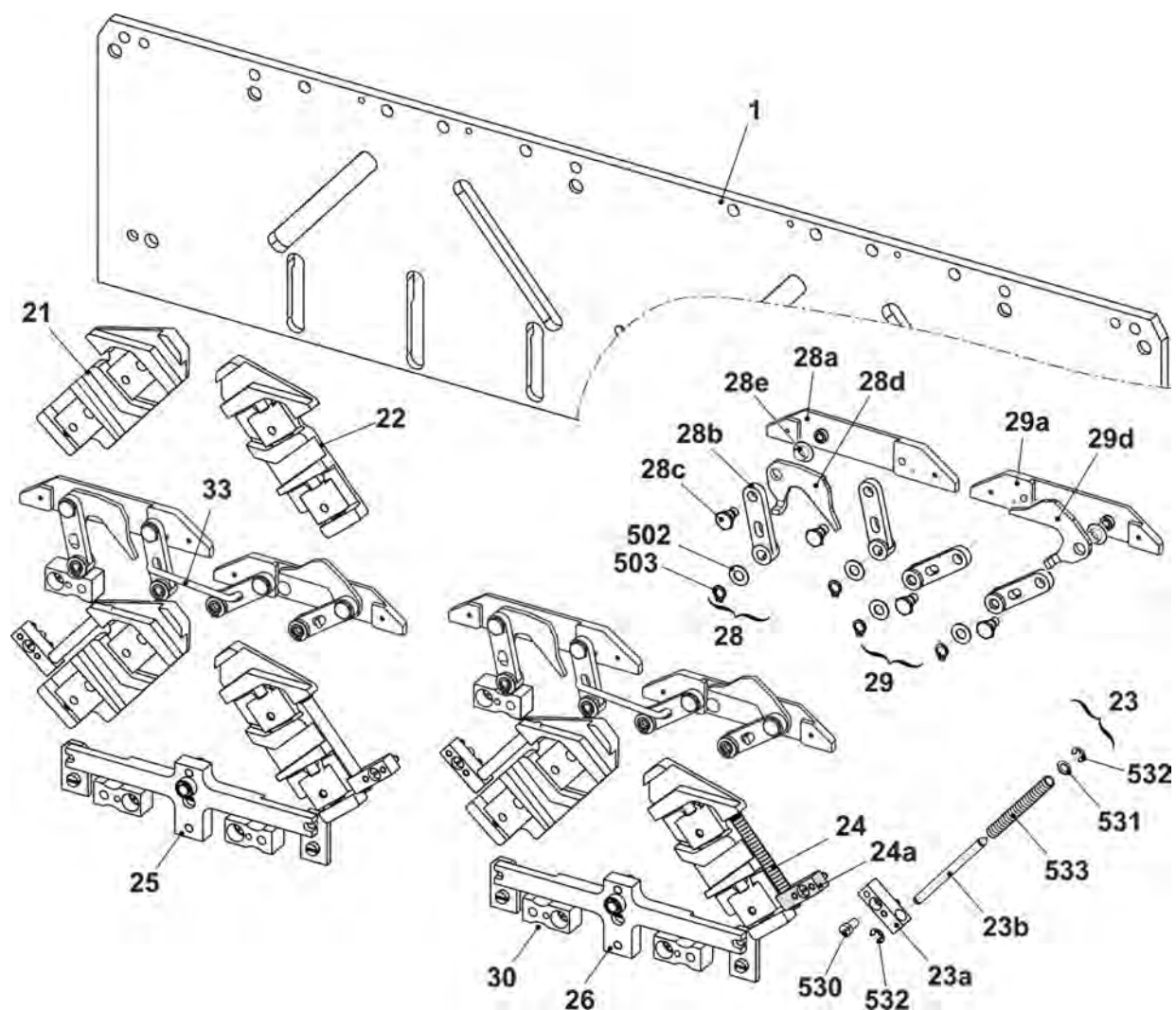
5.4 Carriage cover

Pos	Designation	ID	Pos	Designation	ID
1	Carriage cover at the top 3 cam boxes complete	257 100			
	1a Carriage cover at the top 2 cam boxes 6Z	256 510	501	Serrated lock washer 6,4	022 385
2	Carriage cover at the rear complete	257 171	502	Washer 6.1x9x0,5	023 554
	2a Carriage cover at the rear 520C	256 770	503	O-ring 3x2	242 420
3	Carriage cover at the front complete	257 170	16	Bolts	212 392
	3a Carriage cover at the front 520C	256 769	17	Bolt at the rear	243 171
1,2,3	10 Locating bolt	242 382	45	Cover plate at the top	265 390
	500 Hexagon nut M6	257 088	504	Compression spring 0,48x7,02x17,29	023 654



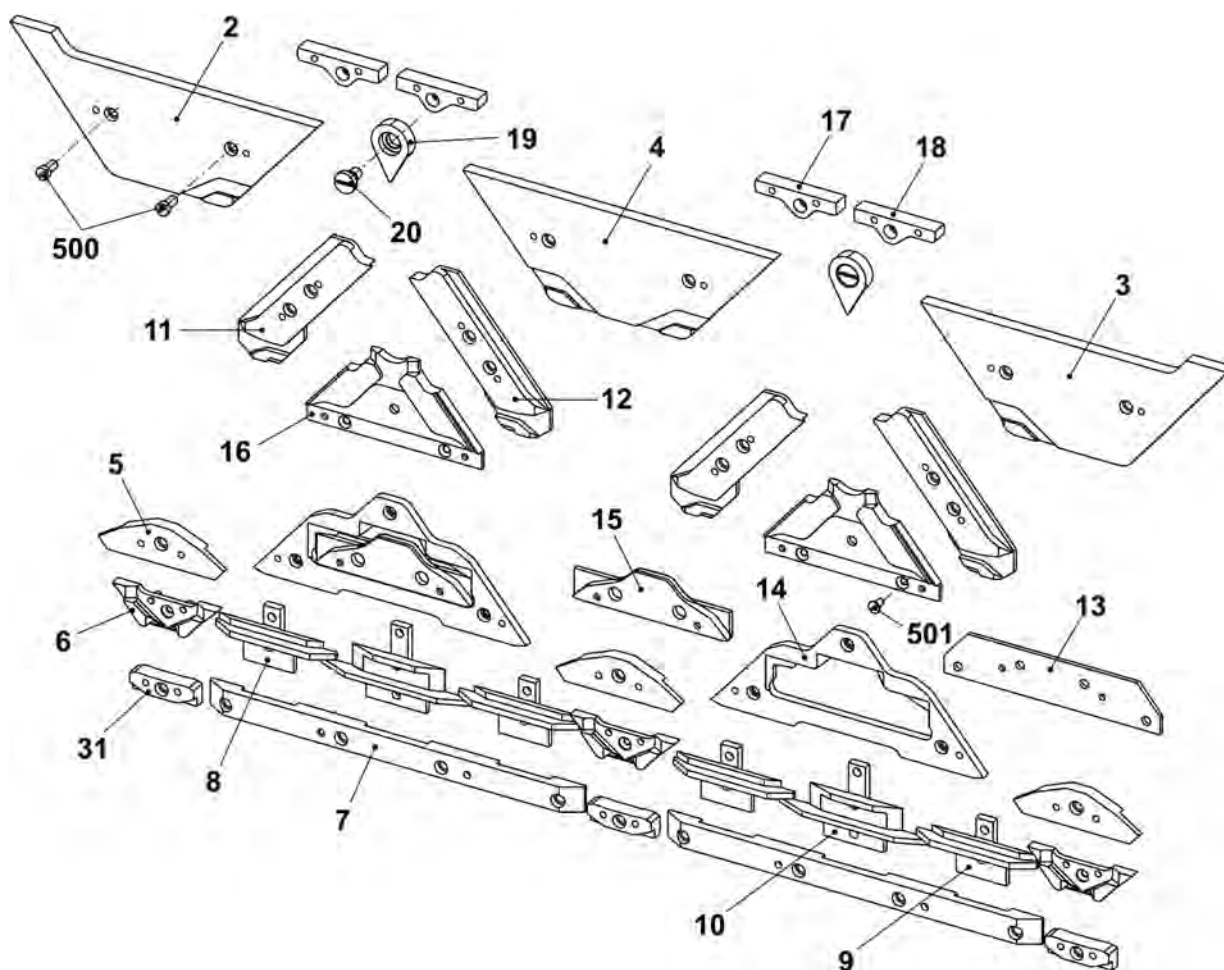
5.5 Needle cam E3|E3,5|E4

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle cam complete (at the top)	214 808	26	Slider	210 953
1	Needle cam plate E3-4	214 899	28	Slider on the left completeE3-4m.3L	261 418
21	Loop sinking cam on the left complete	214 657	28a	Slider on the left	261 378
22	Loop sinking cam on the right complete	214 656	28b	Connecting rodCMS320	214 186
23	Rod guide element on the left	214 477	28c	Axle	252 742
23a	Rod guide element on the left	214 475	28d	Jack sheet metal on the left	261 376
23b	Spring rod	214 476	28e	Bushing	252 707
530	Cap screw M4x8	020 091	29	Slider on the right completeE3-4m.3L	261 419
531	Washer4,3x7x0,5	022 153	29a	Slider on the rightE3-4	261 379
532	Circlip 3,2	021 019	28d	Jack sheet metal on the right	261 377
533	Compression spring 0,55x4,95x74,8	023 344	30	Spacer	214 603
24	Rod guide element on the right	214 478	33	BowE3-4	216 225
24a	Rod guide element on the right	214 473	502	Shim ring 5x10x0,5	023 348
25	Switching piece	214 322	503	Retaining ring5x0,6	023 347



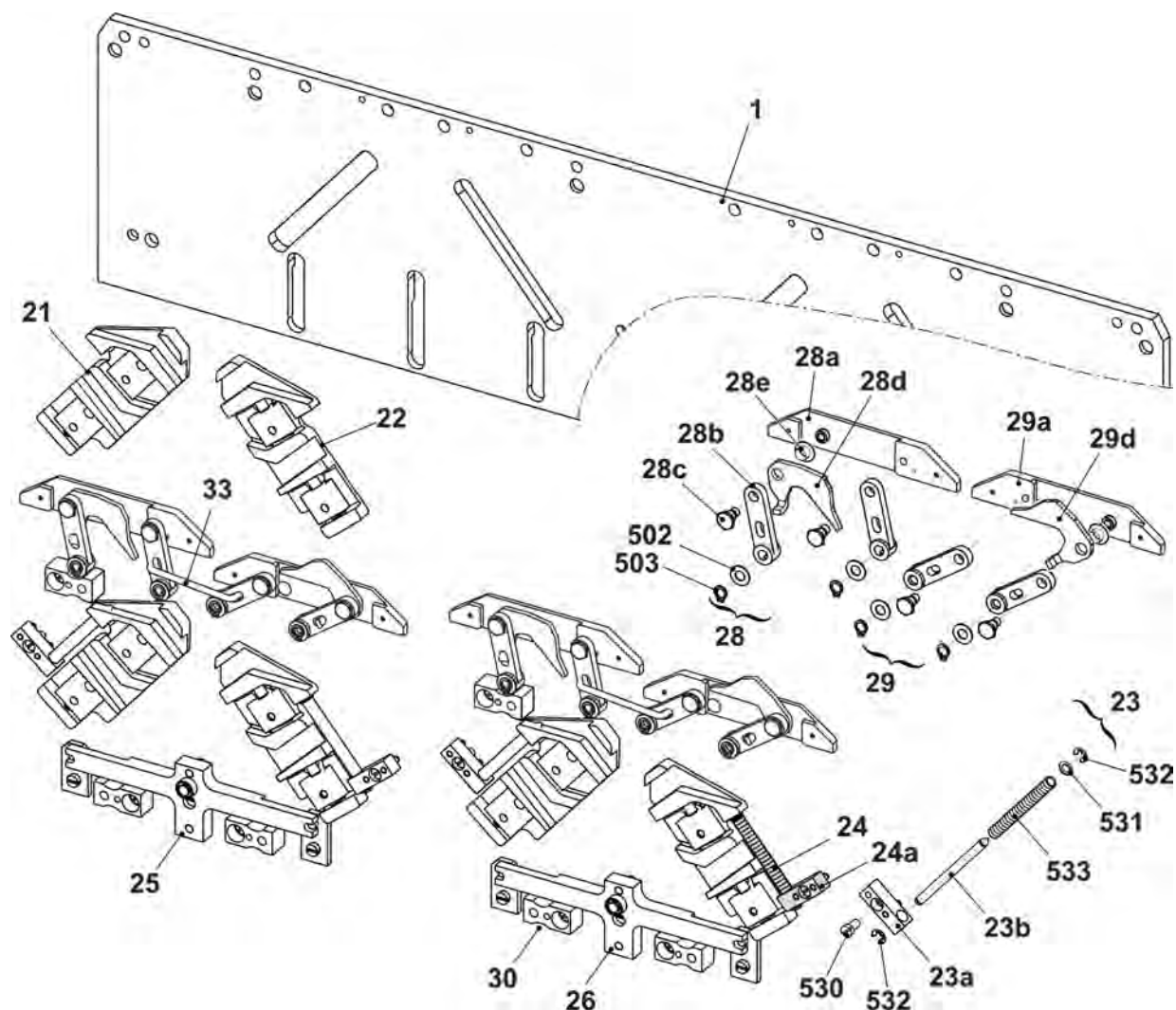
5.5.1 Continuation cam box E3 | E3,5 | E4

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle cam box complete (at the bottom)	214 808	13	Raising cam plate	214 286
2	Entry cam on the left E3-4	214 850	14	Raising cam without split-stitch	216 012
3	Entry cam on the right E3-4	214 851		Raising cam with split-stitch (Accessories)	216 011
4	Entry cam in the middle E3-4	214 852	15	Receiving cam	214 190
5	Entry cam E3-4m.3L	261 115	16	Tuck limiting cam E3-4	218 047
6	Knitting position cam E3-4	220 179	17	Limiting cam on the left E3-4	218 048
7	Pressure strip E3-4	214 663	18	Limiting cam on the right E3-4	218 049
8	Pressure part receiving on the left E3-4	216 008	19	Pointer E3-4	218 050
9	Pressure part receiving on the right E3-4	216 009	20	Screw	214 576
10	Tuck pressure part E3-4	216 130	31	Limiting cam at the bottom E3-4	215 994
11	Stitch cam on the left E3-4	214 895	500	Cap screw M4x8	020 091
12	Stitch cam on the right E3-4	214 896	501	Countersunk screw M3x6-4.8	020 286



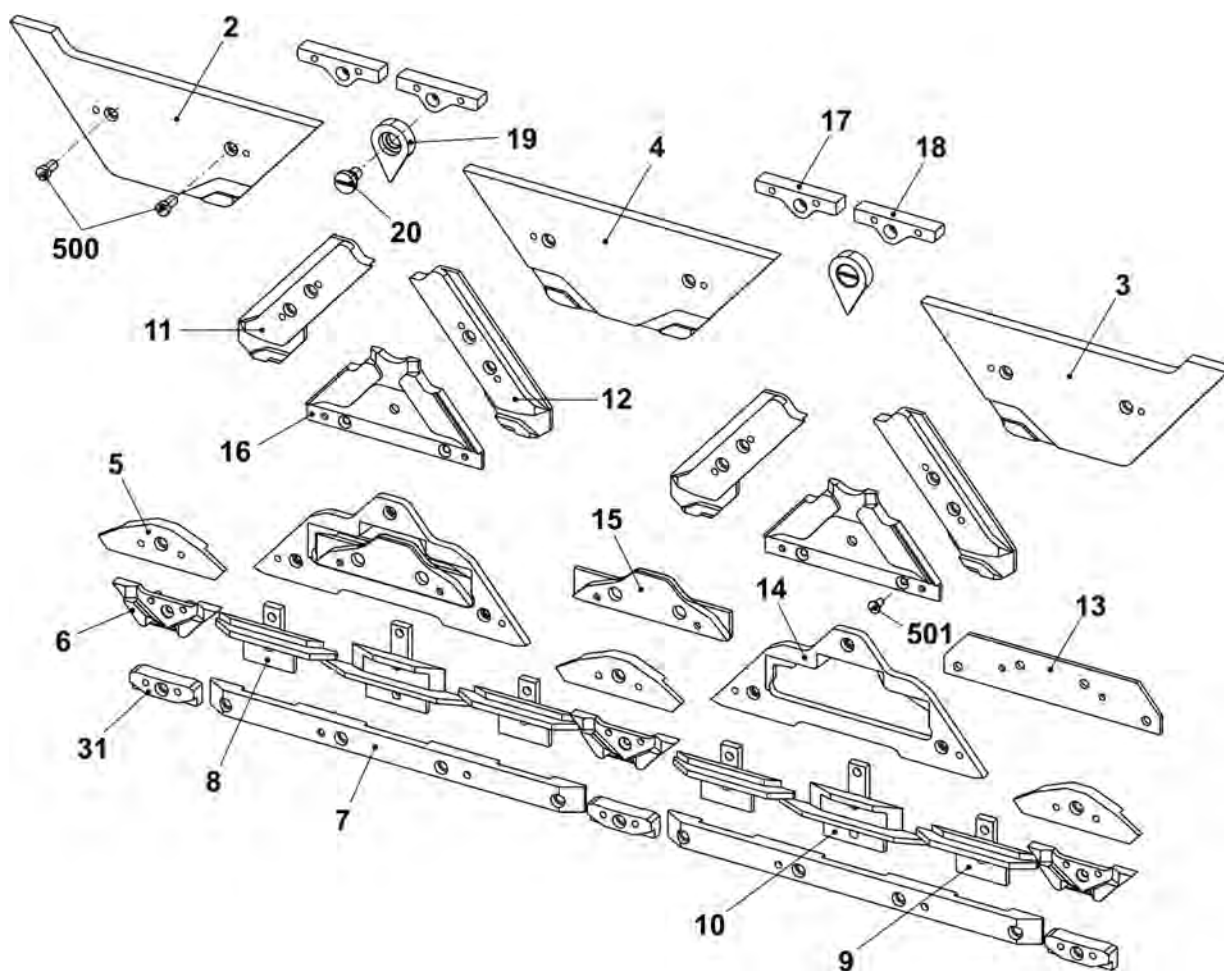
5.6 Needle cam E3m.3L | E3,5m.3L | E4m.3L

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle cam complete E9.2 E3-4m.3L (at the top)	262 125	26	Slider	210 953
1	Needle cam plate E3-4	214 899	28	Slider on the left completeE3-4m.3L	261 418
21	Loop sinking cam on the left complete	214 657	28a	Slider on the left	261 378
22	Loop sinking cam on the right complete	214 656	28b	Connecting rodCMS320	214 186
23	Rod guide element on the left	214 477	28c	Axle	252 742
23a	Rod guide element on the left	214 475	28d	Jack sheet metal on the left	261 376
23b	Spring rod	214 476	28e	Bushing	252 707
530	Cap screw M4x8	020 091	29	Slider on the right completeE3-4m.3L	261 419
531	Washer4,3x7x0,5	022 153	29a	Slider on the rightE3-4	261 379
532	Circlip 3,2	021 019	28d	Jack sheet metal on the right	261 377
533	Compression spring 0,55x4,95x74,8	023 344	30	Spacer	214 603
24	Rod guide element on the right	214 478	33	BowE3-4	216 225
24a	Rod guide element on the right	214 473	502	Shim ring 5x10x0,5	023 348
25	Switching piece	214 322	503	Retaining ring5x0,6	023 347



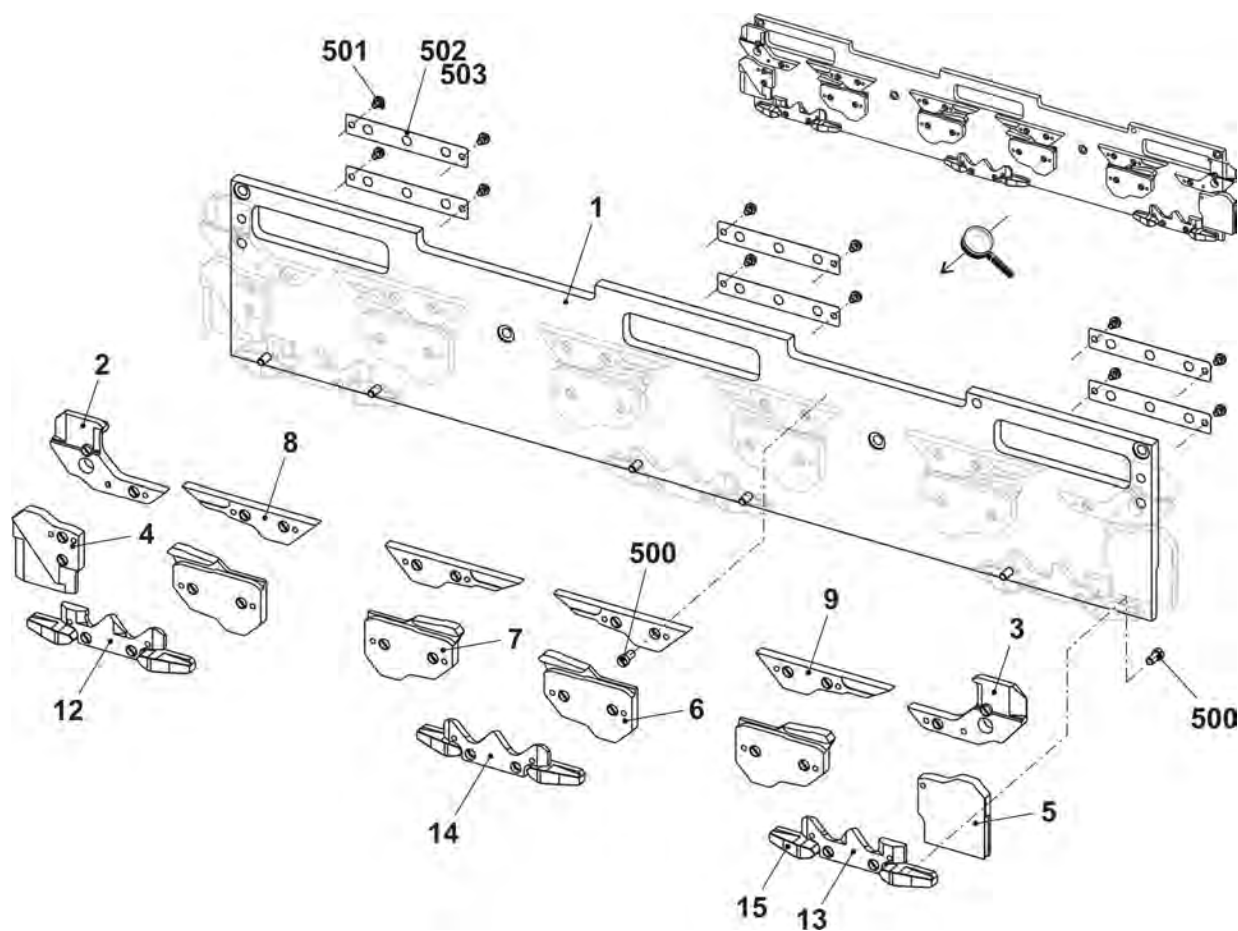
5.6.1 Continuation cam box E3m.3L | E3,5m.3L | E4m.3L

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle cam box complete E3-4m.3L (at the bottom)	262 125	13	Raising cam plate	214 286
2	Entry cam on the left E3-4	214 850	14	Raising cam without split-stitch	261 116
3	Entry cam on the right E3-4	214 851		Raising cam with split-stitch (Accessories)	261 117
4	Entry cam in the middle E3-4	214 852	15	Receiving cam E3-4m.3L	261 118
5	Entry cam E3-4m.3L	261 115	16	Tuck limiting cam E3-4m.3L	261 119
6	Knitting position cam E3-4	220 179	17	Limiting cam on the left E3-4m.3L	261 120
7	Pressure strip E3-4	214 663	18	Limiting cam on the right E3-4m.3L	261 121
8	Pressure part receiving on the left E3-4	216 008	19	Pointer E3-4	218 050
9	Pressure part receiving on the right E3-4	216 009	20	Screw	214 576
10	Tuck pressure part E3-4	216 130	31	Limiting cam at the bottom E3-4	215 994
11	Stitch cam on the left E3-4	214 895	500	Cap screw M4x8	020 091
12	Stitch cam on the right E3-4	214 896	501	Countersunk screw M3x6-4.8	020 286



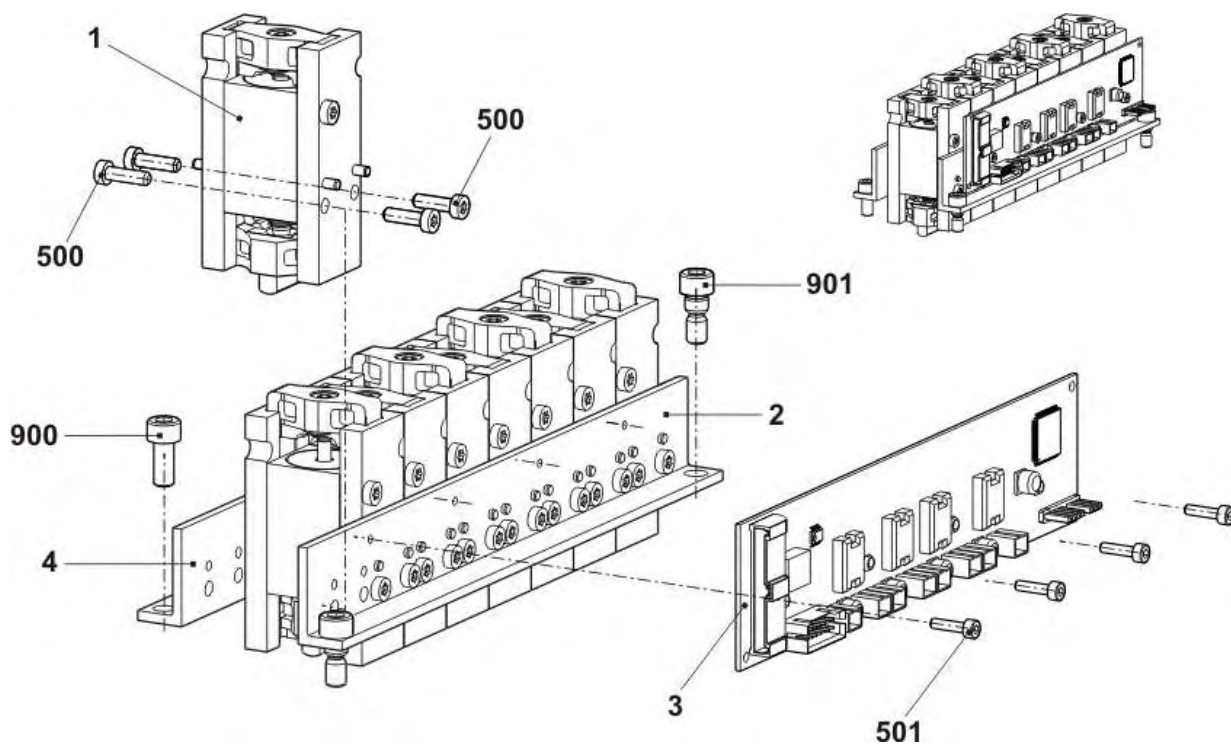
5.7 Jack cam box

Pos	Designation	ID	Pos	Designation	ID
Σ	Jack cam box complete	214 809	9	Cam at the right E3-4	213 938
1	Jack cam box plate	214 900	12	Selection cam on the left	213 868
2	Cam on the left	214 594	13	Selection cam on the right	213 870
3	Cam part at the right	214 596	14	Selection cam	213 869
4	Cam on the left	214 586	15	Offering cam	210 185
5	Cam part at the right	214 587	500	Cap screw M4x8	020 091
6	Cam on the left E3-4	213 911	501	Pan-head screw M3x4	023 142
7	Cam at the right E3-4	213 915	502	Shim0,1x12x75	022 830
8	Cam on the left E3-4	213 920	503	Shim0,2x12x75	022 831



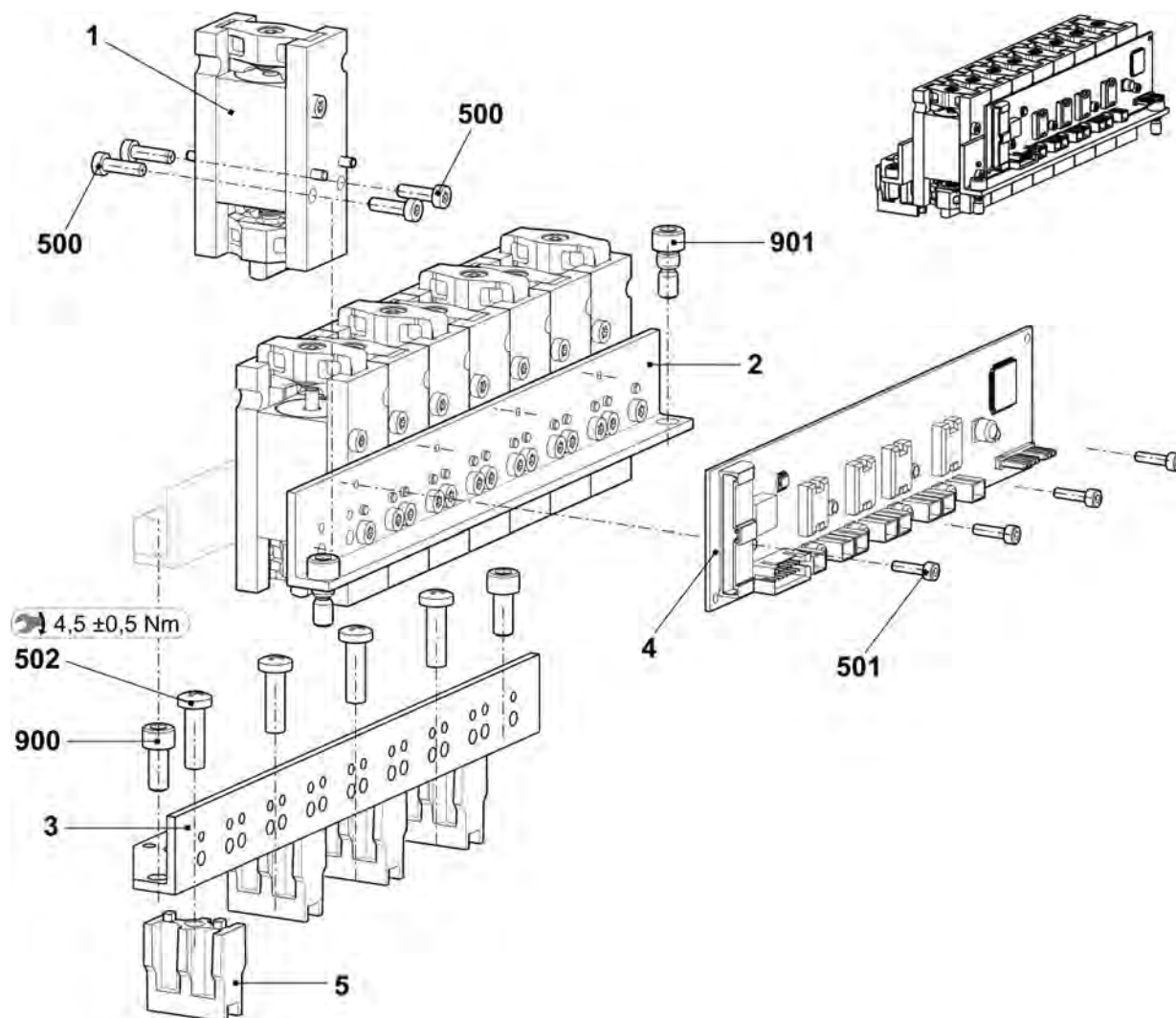
5.8 Yarn carrier driving without guide part

Pos	Designation	Id	Pos	Designation	Id
Σ	YC driving outside complete	241 080			
1	Yarn carrier plunger complete	242 214	500	Cap screw M4x14-I-Torx	242 279
2	Holding angle for jack	241 038	501	Cap screw M3x12-12.9	022 648
3	Card yarn carrier final stagesOKC	300 960	900	Cap screw M6x14	022 658
4	Holding angle for YC driving	242 903	901	Shoulder screw	231 899



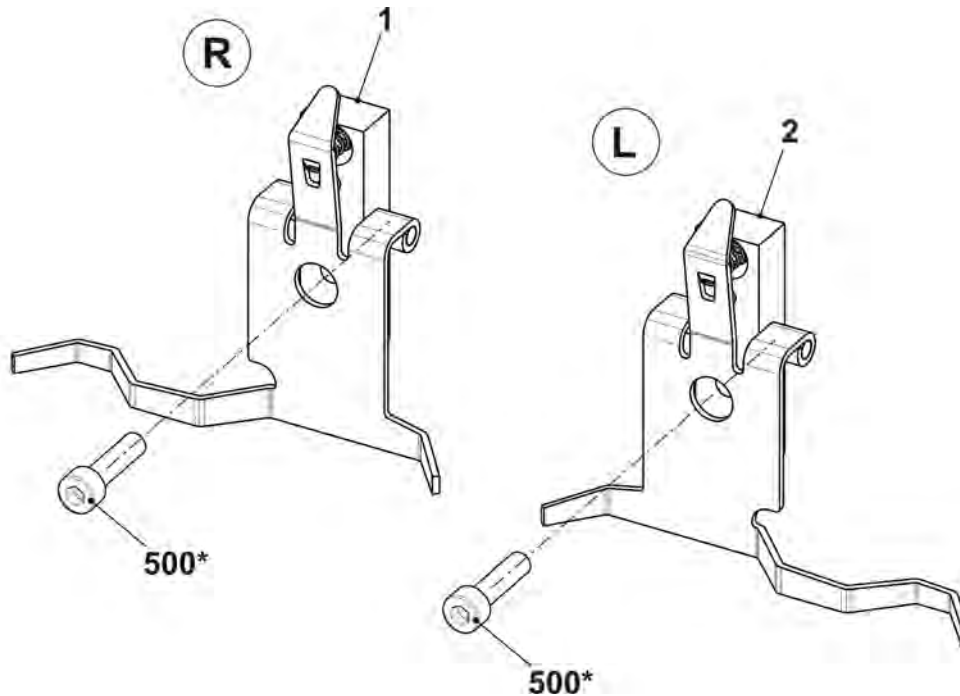
5.9 Yarn carrier driving with guide part

Pos	Designation	Id	Pos	Designation	Id
Σ	FF driving in the middle complete	241 081			
1	Yarn carrier plunger complete	242 214	500	Cap screw M4x14-I-Torx	242 279
2	Holding angle for jack	241 038	501	Cap screw M3x12-12.9	022 648
3	Holding angle for YC driving	241 044	502	Screw KB60X20	243 625
4	Card yarn carrier final stagesOKC	300 960	900	Cap screw M6x14	022 658
5	Guide part	239 972	901	Shoulder screw	231 899



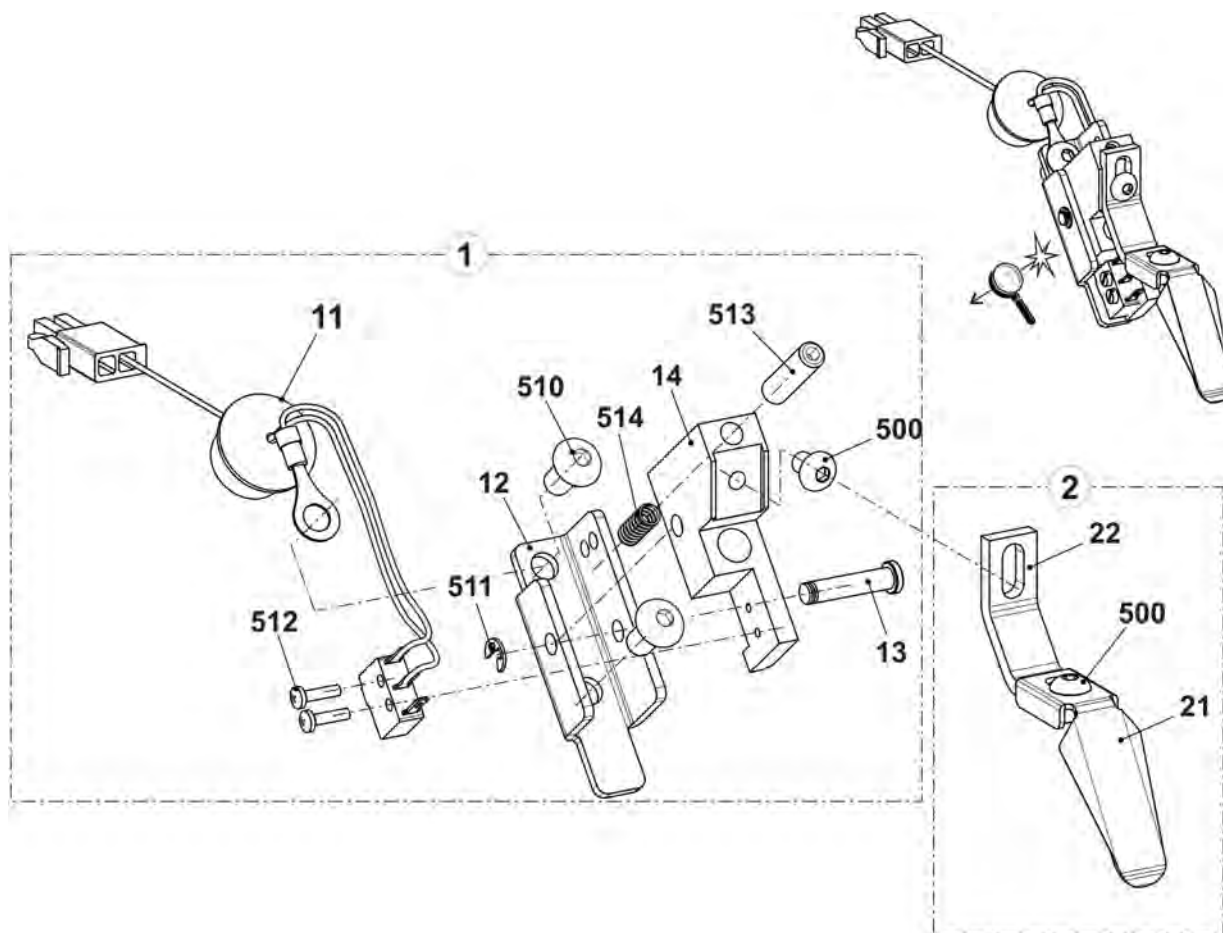
5.10 Holding-down jack control on the right and left

Pos	Designation	ID	Pos	Designation	ID
1	Holding-down jack control on the right E3-4m.3L	261 829	2	Holding-down jack control on the left E3-4m.3L	261 828
500*	Cap screw M5x20	020 133	500*	Cap screw M5x20	020 133



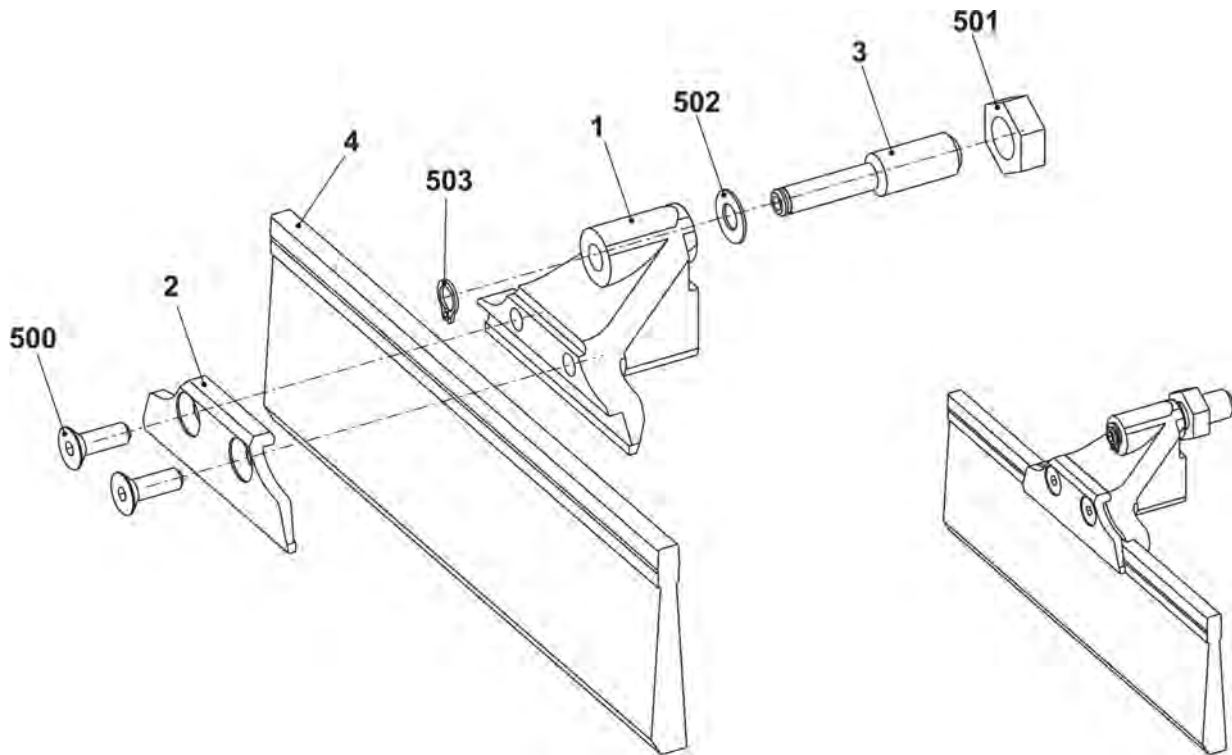
5.11 Needle detector

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle detector	237 675		512	Pan-head screw M2x8
1	Needle detector pre-assembled	221 773		513	Setscrew M5x20
	11	Cable of needle detector complete		514	Compression spring 4,3x0,45x10
	12	Retainer	2	Sensor pre-assembled	237 674
	13	Bolts		21	Sensor
	14	Switch rocker		22	Angle
	510	Pan-head screw M5x10		500	Pan-head screw M4x6
	511	Circlip	500	Pan-head screw M4x6	023 427

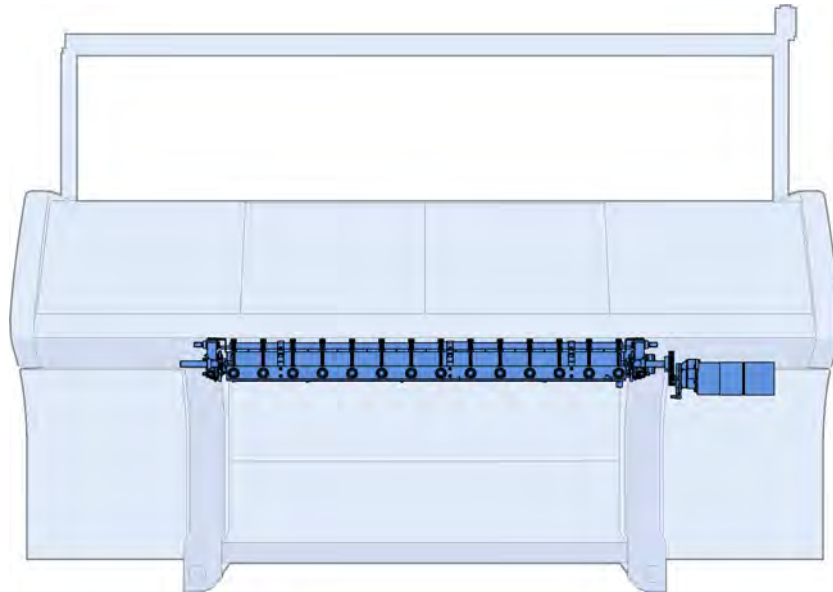


5.12 Brush holder

Pos	Designation	ID	Pos	Designation	ID
Σ	Brush holder complete	214 710			
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	Needle brush E2-4	061 407	503	Retaining ring 5x0,6	023 347

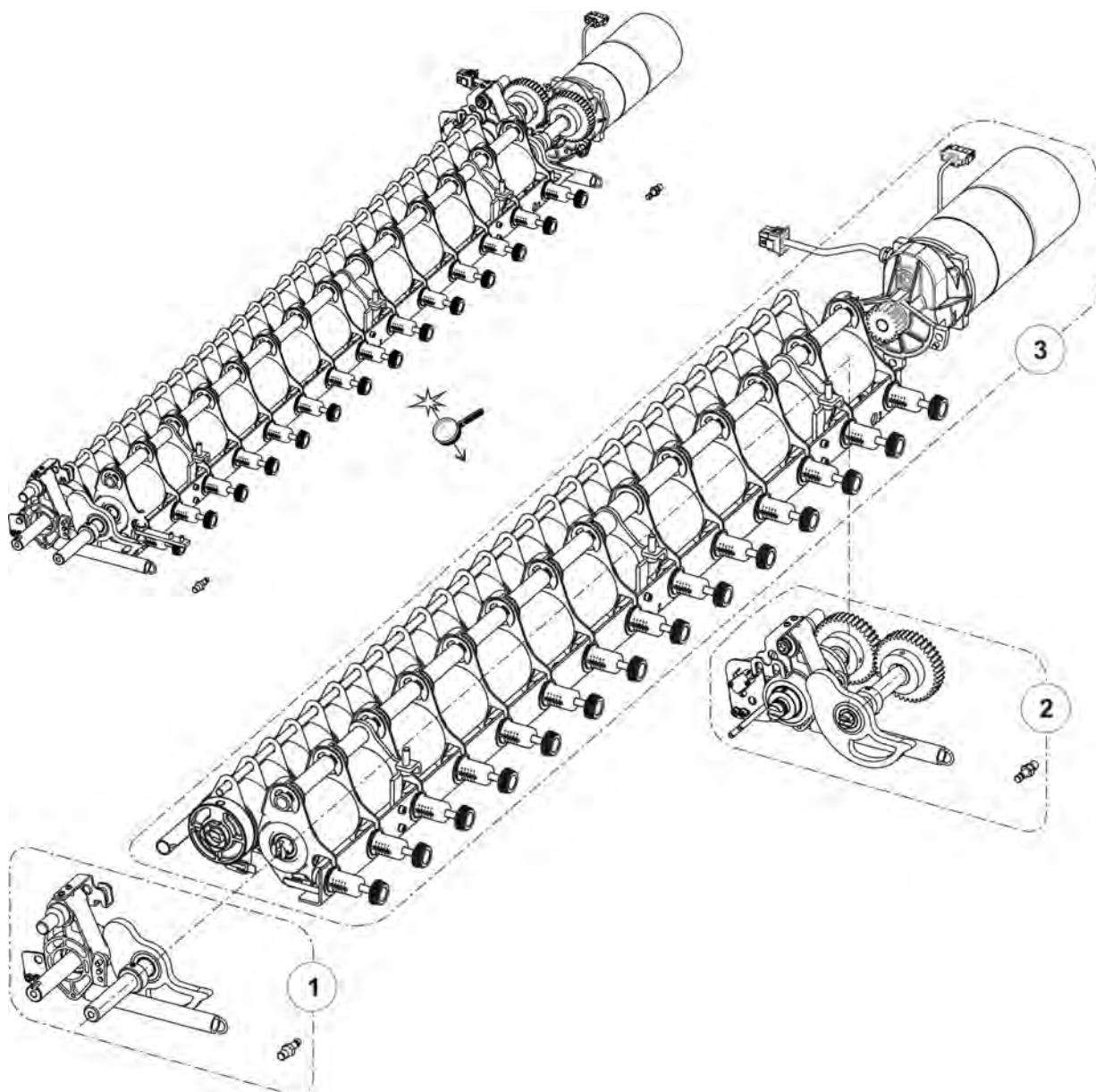


6 Main take-down



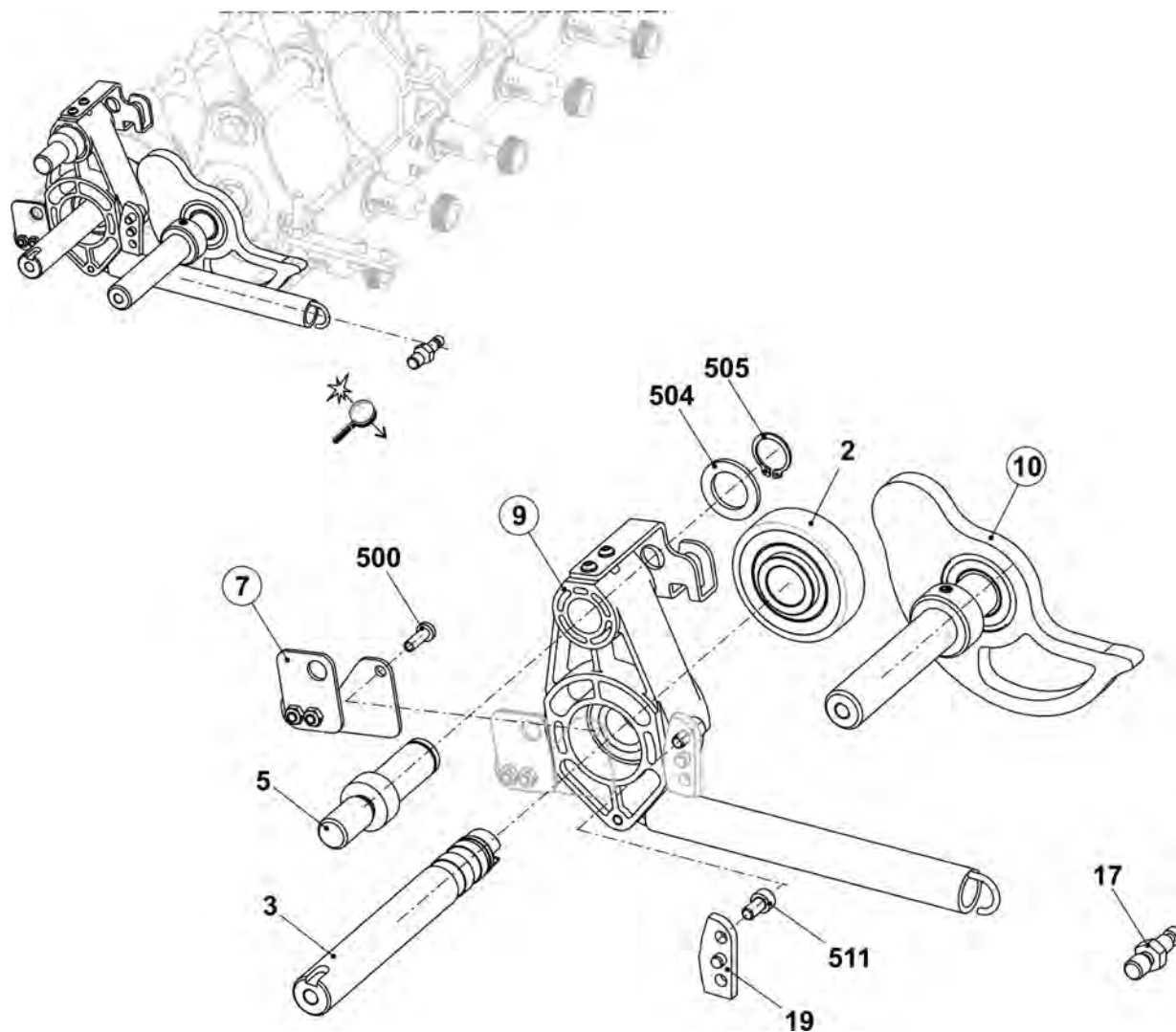
6.1 Main take-down

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



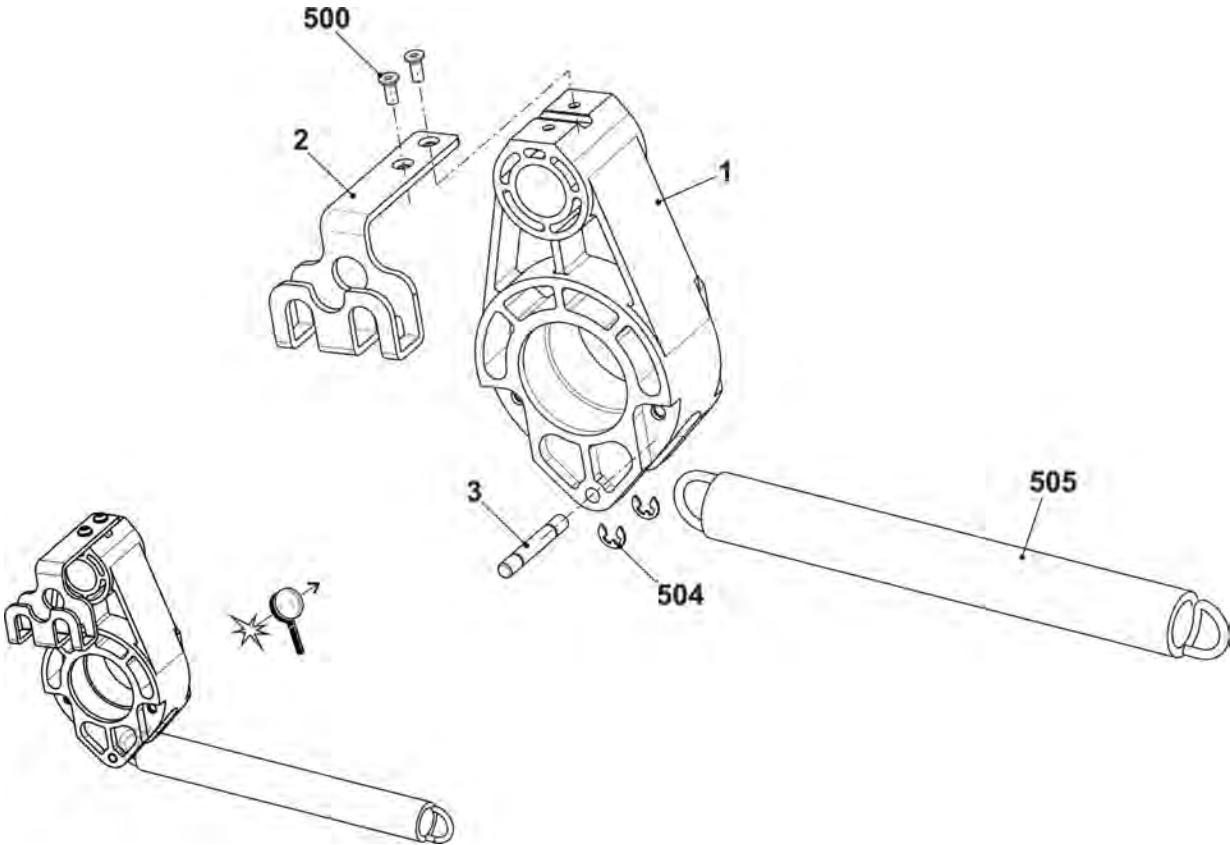
6.1.1 Main take-down on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on the left	253 851			
2	Bearing race complete	244 459	17	Spring bolt	221 143
3	Shaft on the left at the rear	221 012	19	Stop point	252 503
5	Bolts	208 538	500	Screw 50x15	251 728
7	Mounting plate on the left complete	231 725	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



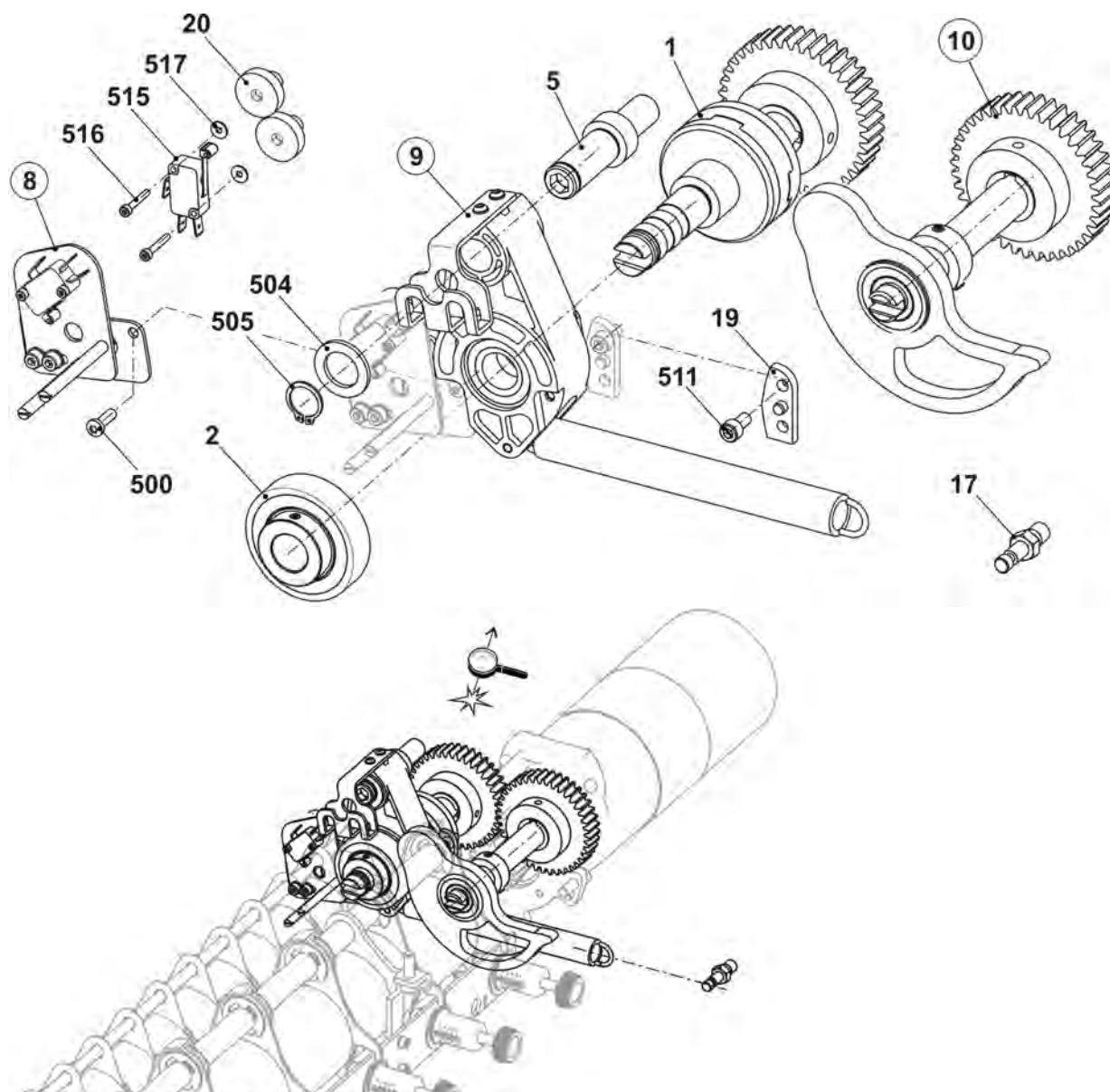
6.1.1.1 Swivel-mounted bearing

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



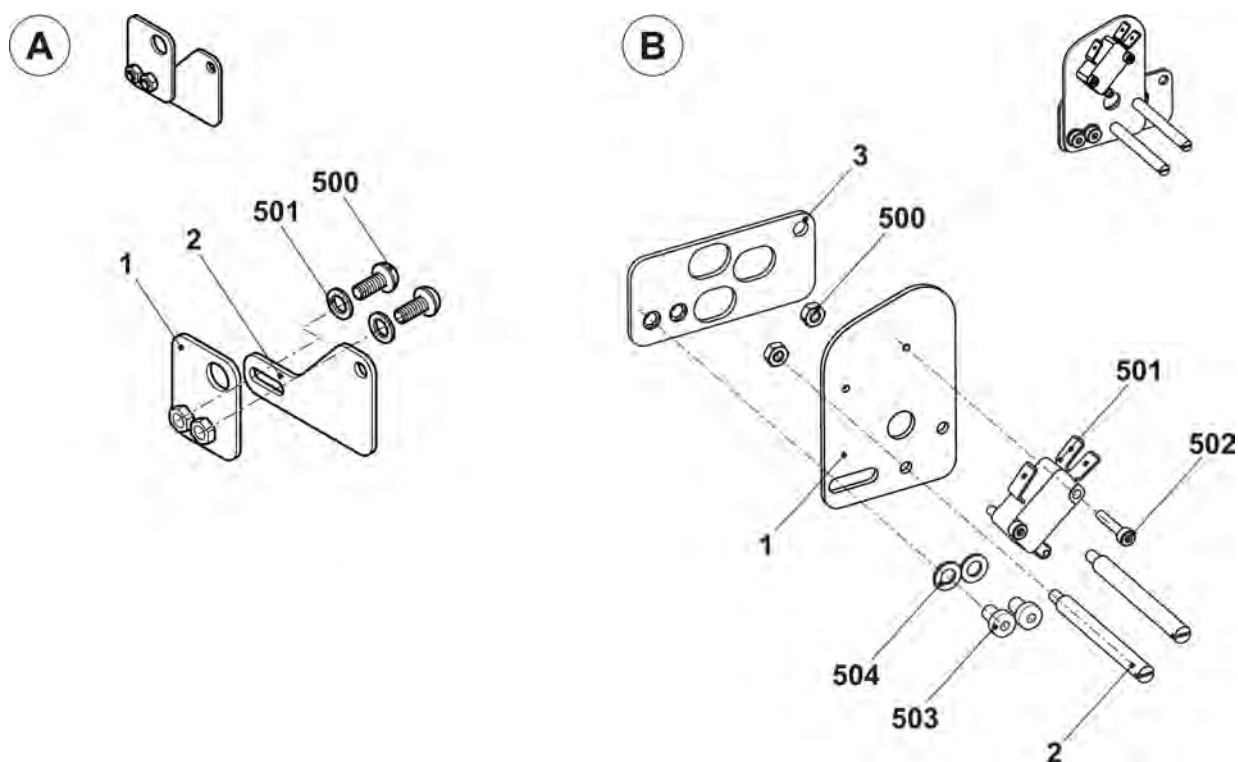
6.1.2 Main take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on the right	253 852			
1	Clutch set	251 677	20	Threaded bush	222 522
2	Bearing race complete	244 459	500	Screw 50x15	251 728
5	Bolts	208 538	504	Washer 18	023 295
8	Mounting plate on the right complete	260 090	505	Retaining ring 18x1,2	020 955
9	Swivel-mounted bearing	251 761	511	Cap screw M6x12	020 134
10	Full floating axle on the right	251 985	515	Microswitch Xgk2-s21 250	210 510
17	Spring bolt	221 143	516	Cap screw M3x20	023 221
19	Stop point	252 503	517	Washer 3	023 657



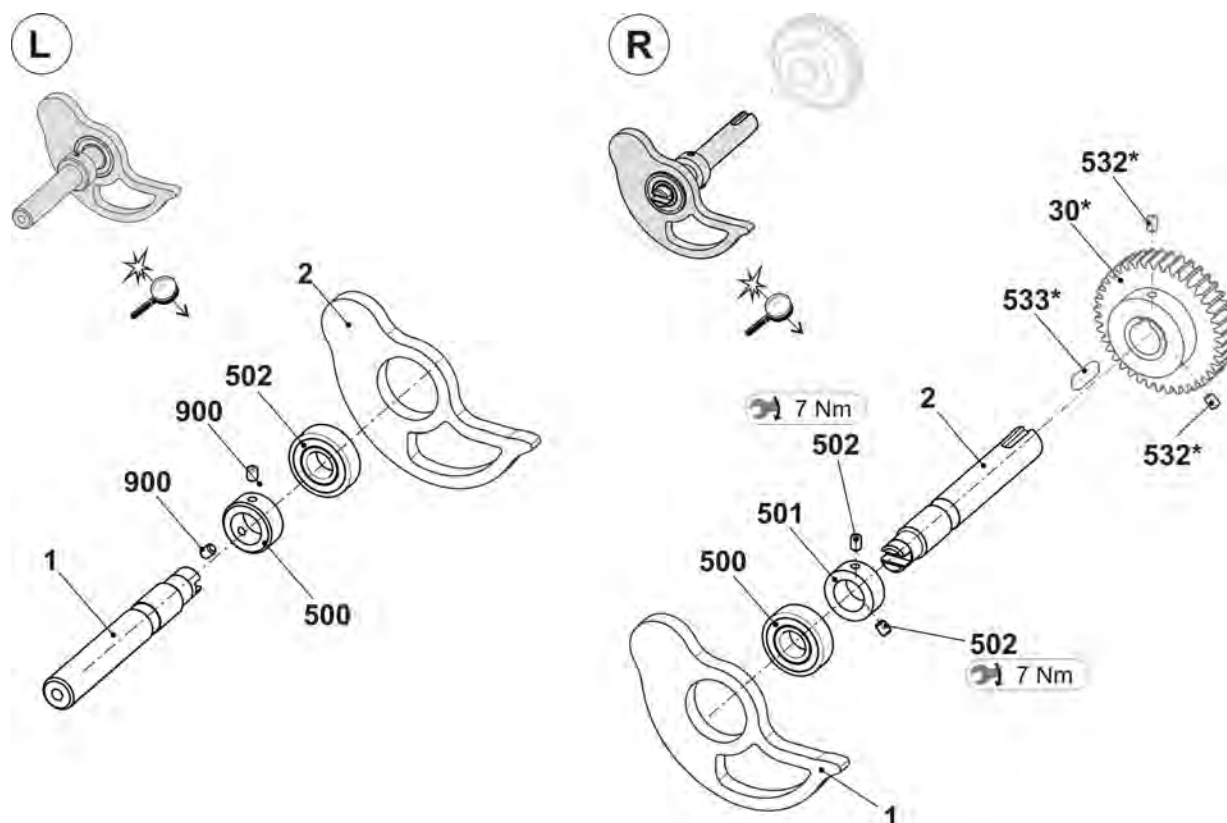
6.1.2.1 Mounting plate

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ A	Mounting plate on the left complete	231 725	2	Shoulder screw	240 067
1	Mounting plate on the left	231 541	3	Retaining plate on the right	240 066
2	Retaining plate on the left	231 539	500	Hexagon nut M4-6	022 536
500	Pan-head screw M5x10	023 247	501	Microswitch	026 259
501	Serrated lock washer J5,3	022 489	502	Cap screw M3x16	022 583
Σ B	Mounting plate on the right complete	260 090	503	Cap screw M5x8	244 278
1	Mounting plate on the right	260 067	504	Washer 5-200	020 871



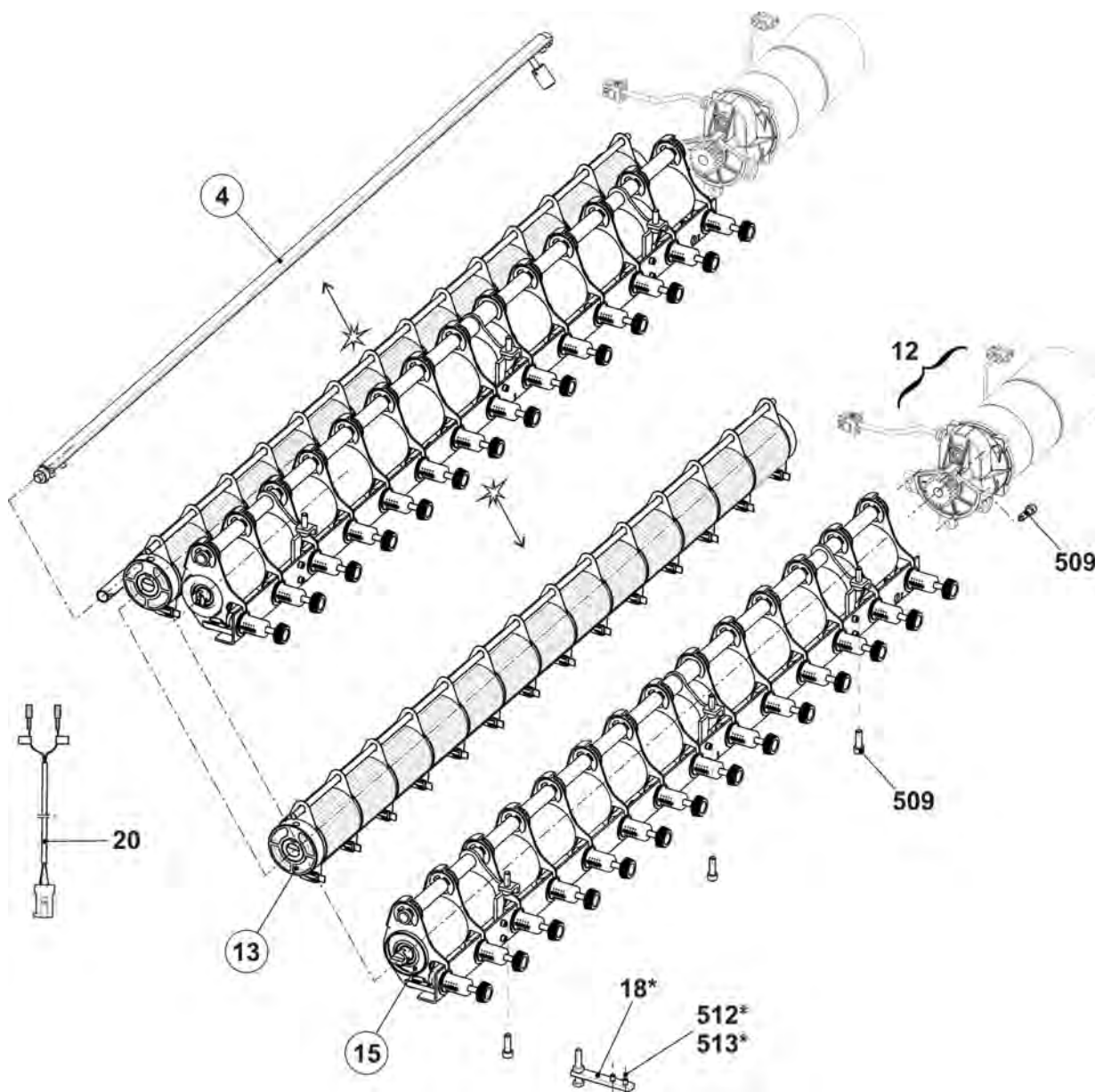
6.1.2.2 Full floating axle

Pos	Designation	Id	Pos	Designation	Id
Σ L	Full floating axle on the left	251 984	Σ R	Full floating axle on the right	262 158
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	500	Fitting freewheel ZZ6203L	023 294
502	Fitting freewheel ZZ6203L	023 294	501	Set collar	020 938
900	Setscrew M6x8	022 684	502	Setscrew M6x8	022 684
			30*	Gear wheel Z=40, M=2	213 744
			532*	Setscrew M6x8	022 684
			533*	Feather key A 6x6x25	023 017



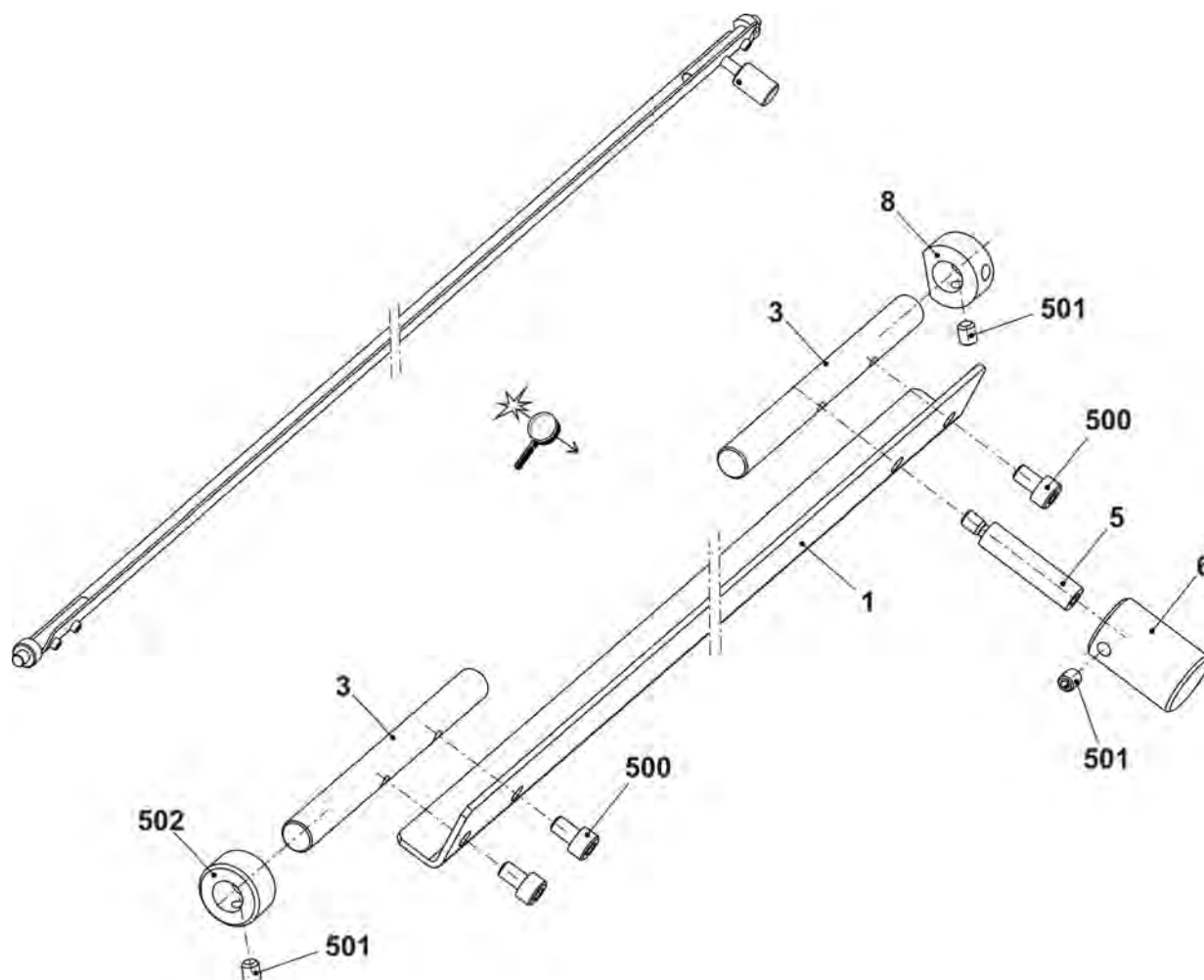
6.1.3 Main take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down in the middle	253 525			
4	Stripper angle at the rear complete	264 119	13	Take-down roller at the rear complete	253 853
12	Motor take-down unit complete	253 803	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	241 703	513*	Pan-head screw M6x16	023 124



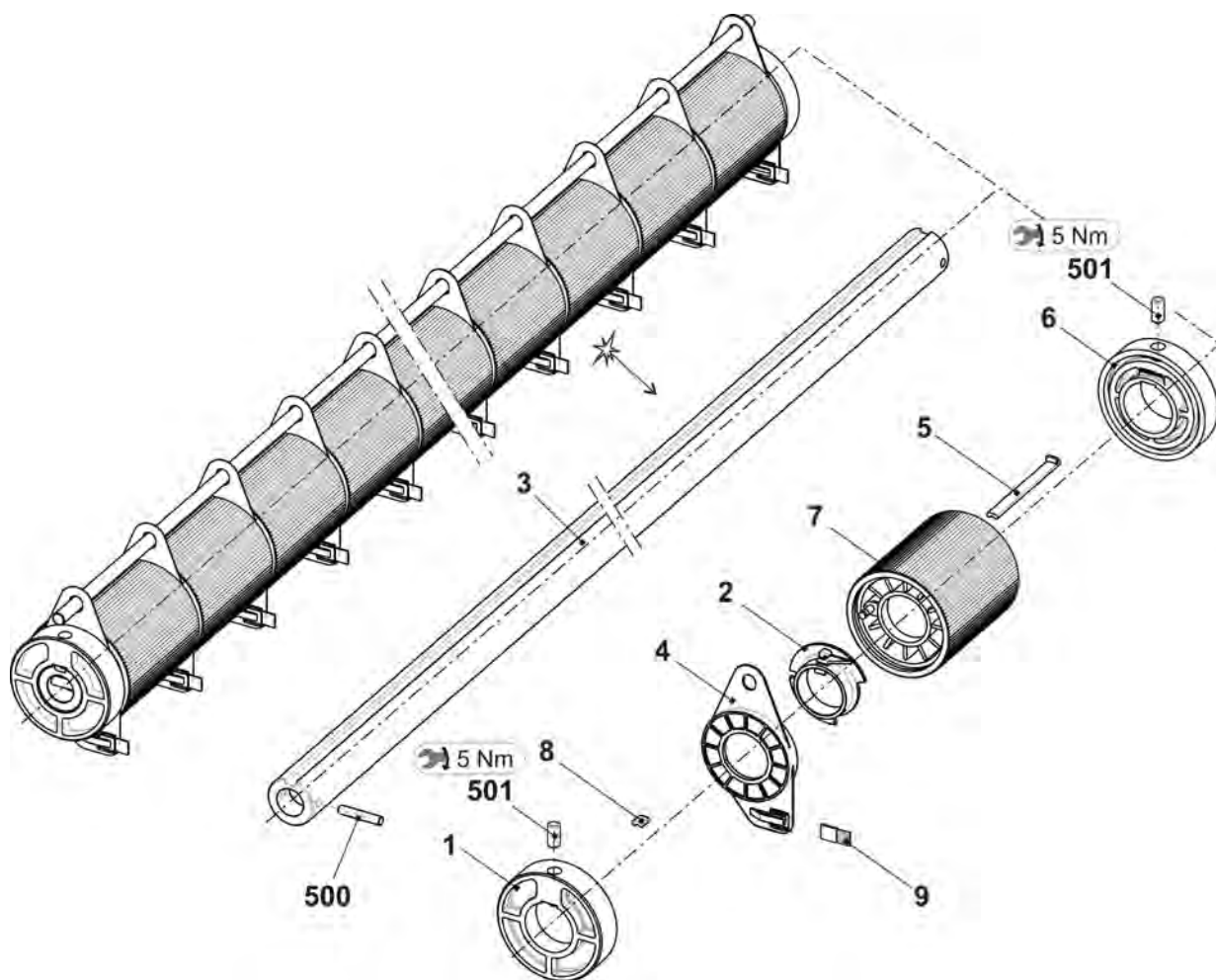
6.1.3.1 Stripper angle

Pos	Designation	Id	Pos	Designation	Id
Σ	Stripper angle at the rear complete	264 119			
1	Stripper angle	263 955	8	Cam	260 109
3	Axle	259 969	500	Cap screw M5x8	023 319
5	Bolts	228 310	501	Setscrew M5x6	022 738
6	Adjustment weight	229 248	502	Set collarA10	020 934



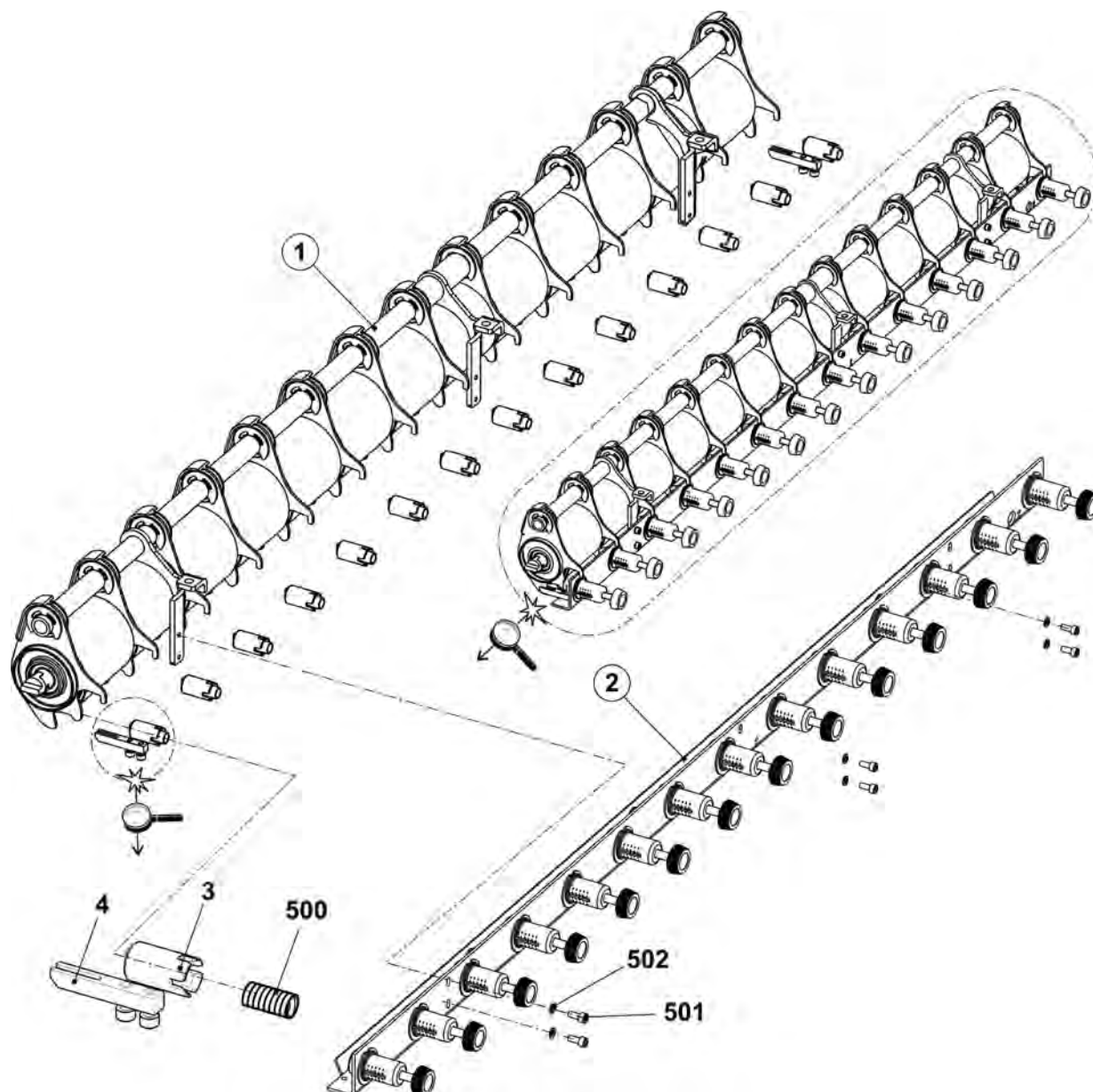
6.1.3.2 Rear take-down roller

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



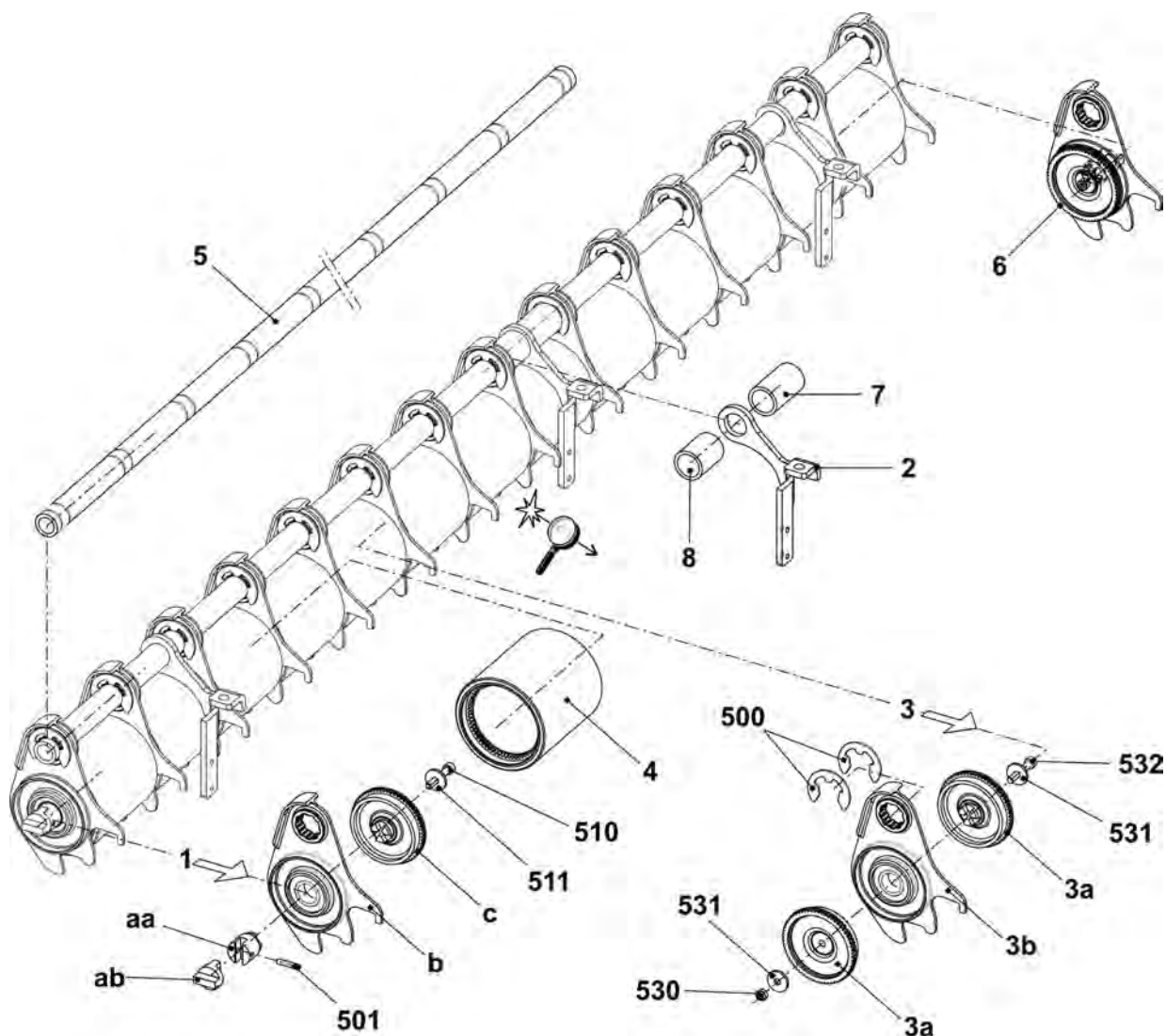
6.1.3.3 Front take-down roller

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



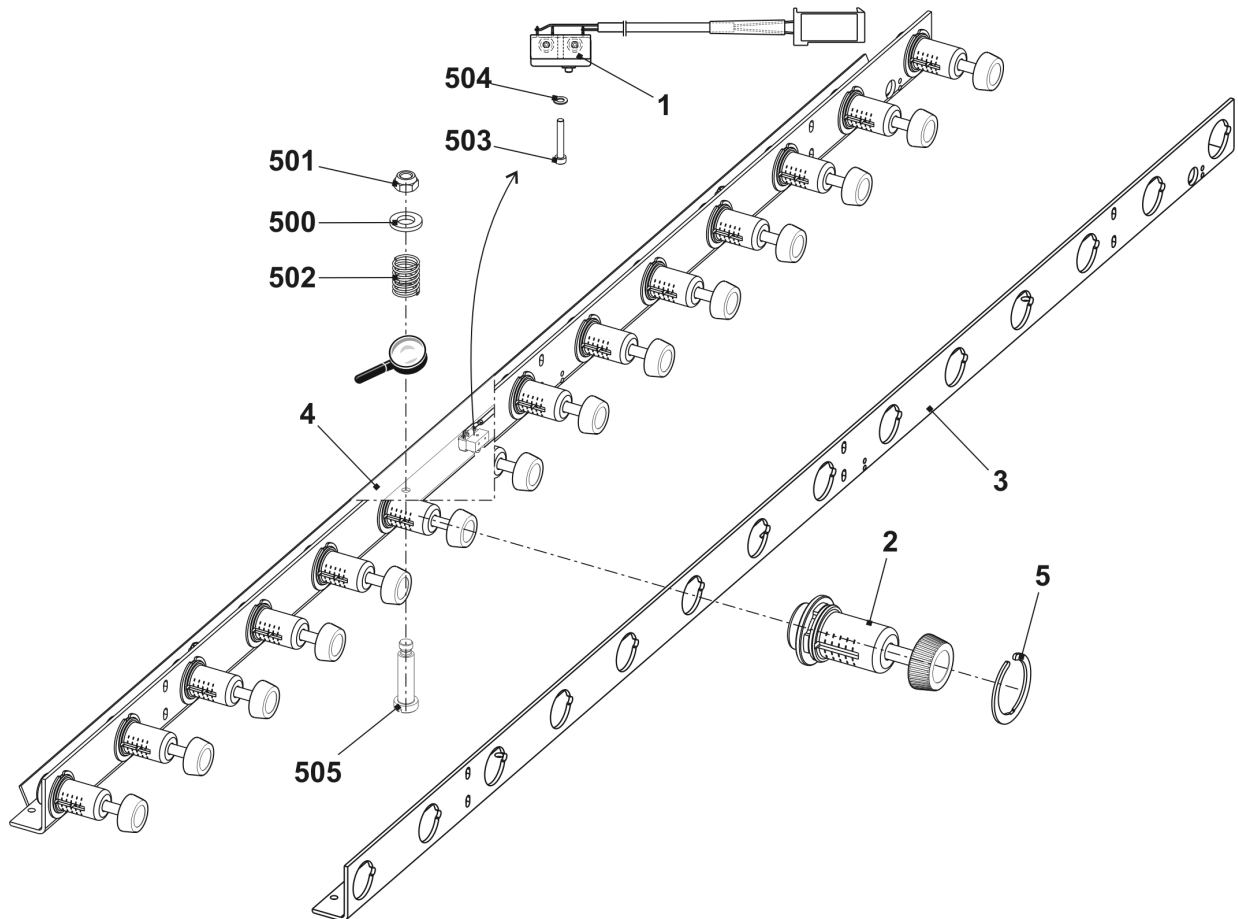
6.1.3.3.1 Front roller elements

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the front	221 243			
1	Bearing support on the left complete	221 225	4	Roller	220 905
aa	Universal joint	221 137	5	Tube	221 092
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			



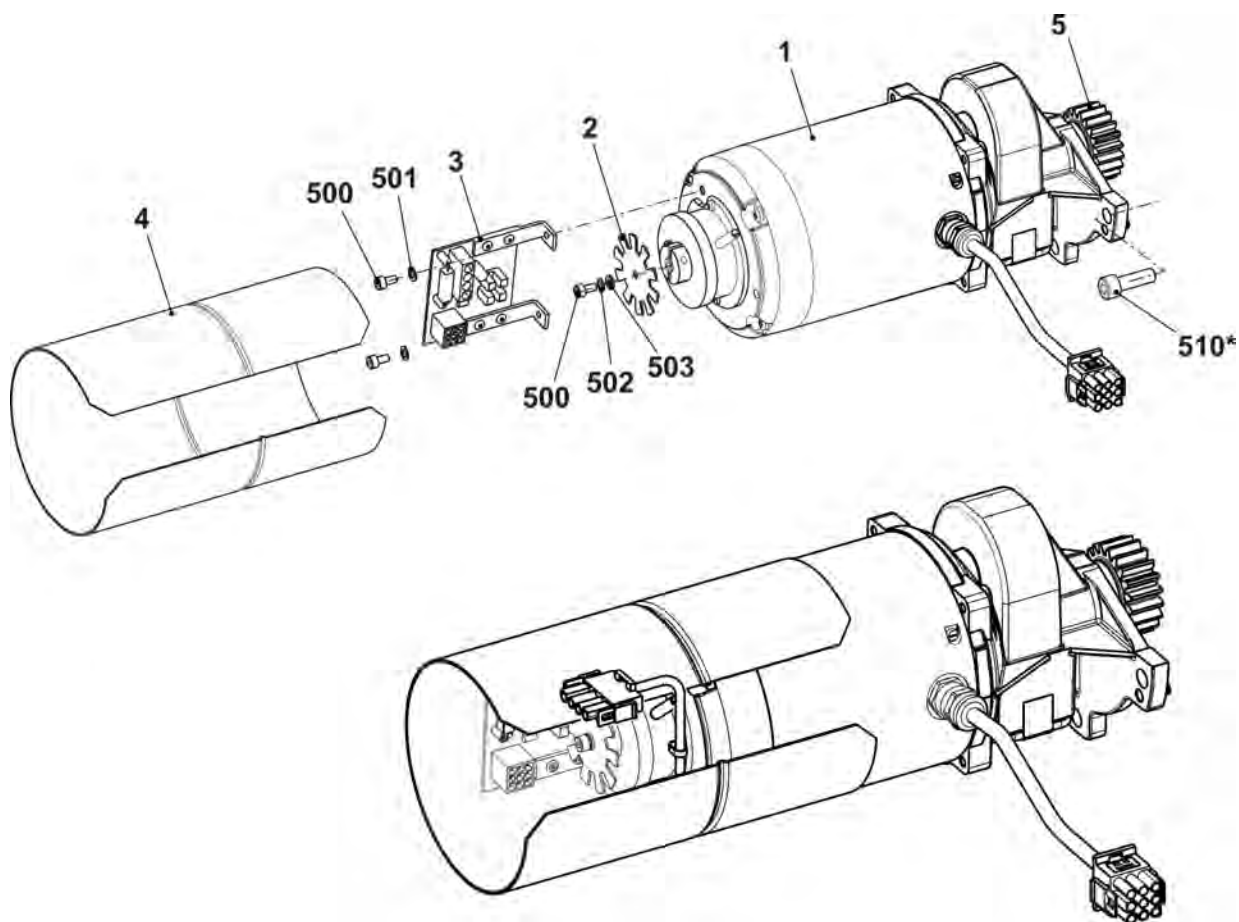
6.1.3.3.2 Pressure angle rail

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

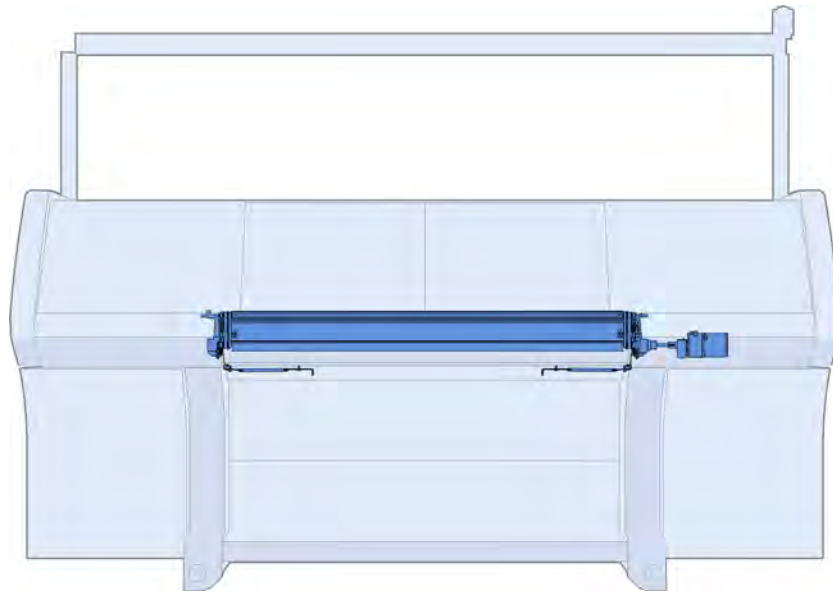


6.1.3.4 Impulse sensor and motor

Pos	Designation	Id	Pos	Designation	Id
Σ	Motor take-down unit complete	253 803			
1	Asynchronous torque motor (complete)	257 438	500	Cap screw M4x8	022 501
2	Impulse disc	208 716	501	Washer 4-200	020 879
3	Light barrier take-down + comb	300 744	502	Circlip	022 774
4	Cover	212 262	503	Shim ring 4x8x1	023 369
5	Gear wheel	241 668	510*	Cap screw M8x25	020 142

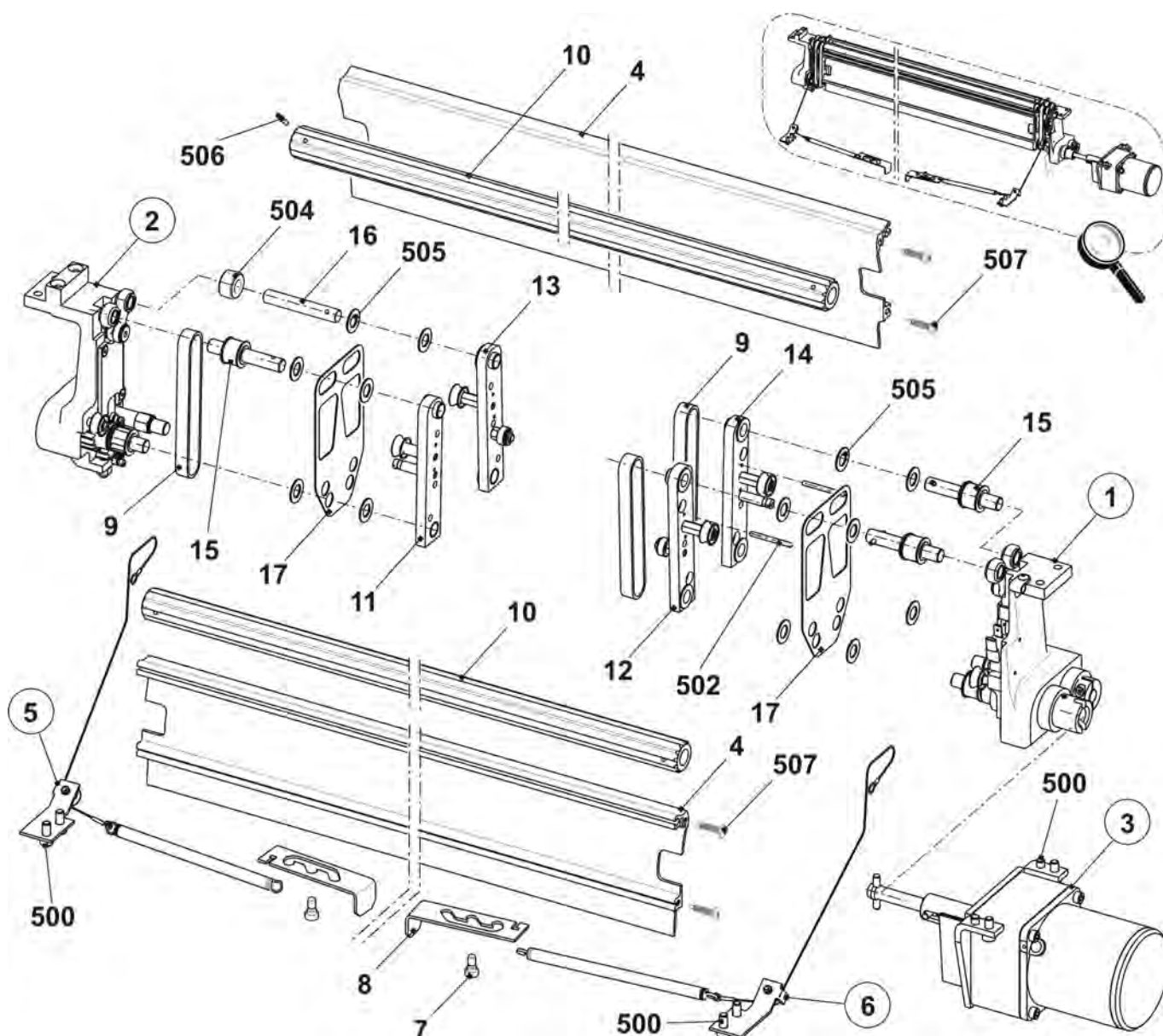


7 Auxiliary Take-down



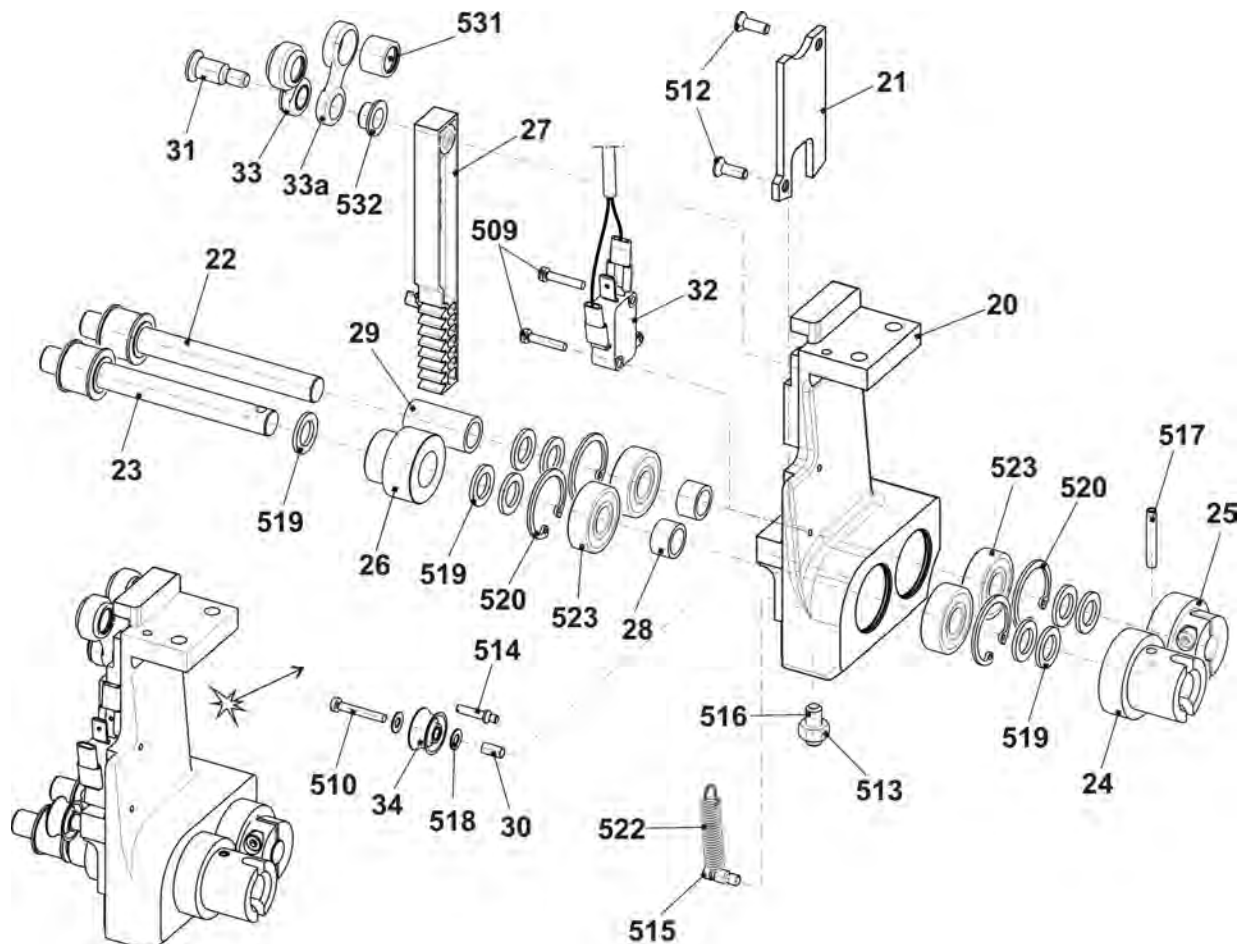
7.1 Auxiliary Take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Auxiliary take-down		12	Lever at the front on the right	227 262
1	Bearing on the right complete	239 996	13	Lever at the rear on the left	227 261
2	Bearing on the left complete	239 999	14	Lever at the rear on the right	227 260
3	Take-down motor complete auxiliary take-down	214 449	15	Toothed belt pulley complete	226 708
4	Guide plate	213 362	16	Bolts	227 914
5	Metal angle on the left complete	225 013	17	Protective plate	225 754
6	Metal angle on the right complete	225 014	500	Cap screw M6x12	020 134
7	Shoulder screw	207 101	502	Shoulder screw M3x27x32	023 634
8	Detent plate	222 040	504	Set collar	020 934
9	Toothed belt 10T5/260	208 832	505	Stop disk	023 646
10	Take-down roller	224 891	506	Spring dowel sleeve 3x20	020 776
11	Lever at the front on the left	227 263	507	Sheet metal screw St4,8x22-	023 259



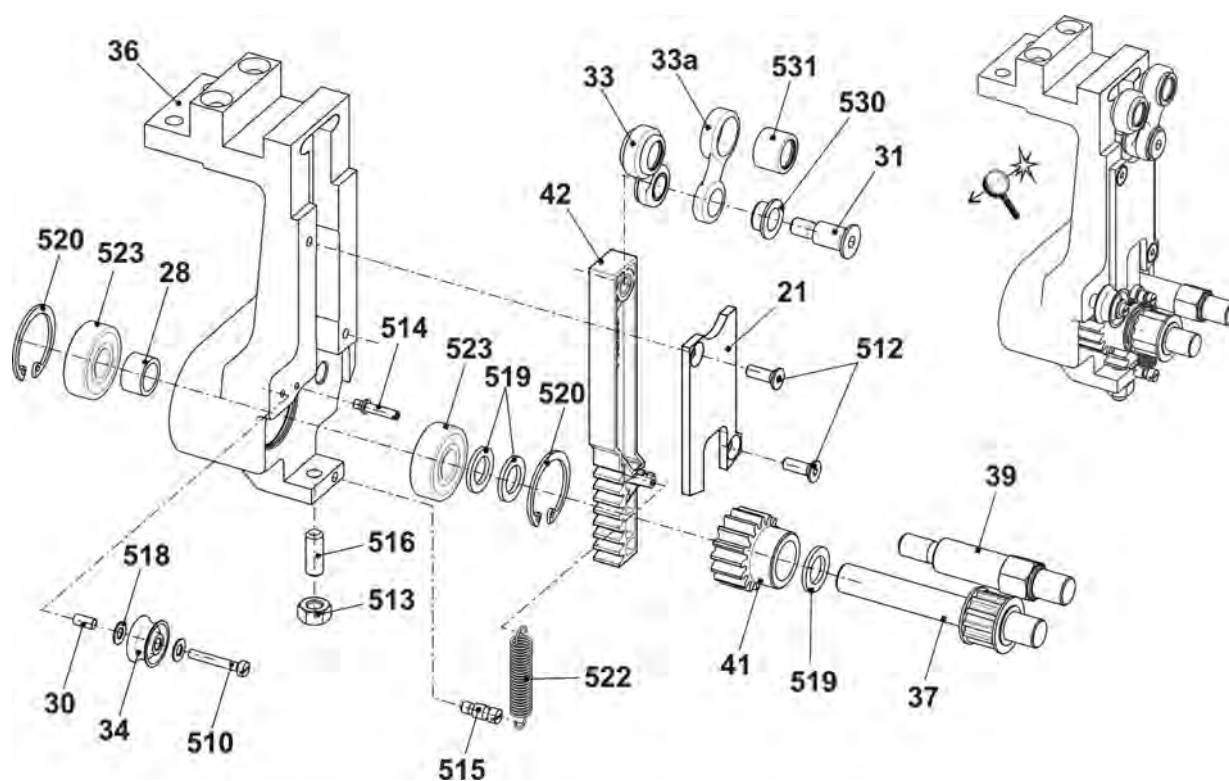
7.2 Right bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right complete	239 996	531	Needle roller bearing HK1010	023 664
20	Bearing block on the right	258 913	532	Slide bearing GFM-081014-06	023 358
21	Cover	257 466	34	Roller deflector	218 805
22	Drive shaft complete	227 857	500	Cap screw M3x16	022 560
23	Drive shaft complete	227 853	510	Cap screw M3x20	022 448
24	Gear wheel M=1,5, Z=20	213 880	512	Countersunk head screw M4x12	023 062
25	Gear wheel M=1,5, Z=20	210 504	513	Hexagon nut M6-6	020 836
26	Gear wheel on the right complete	218 524	514	Threaded bolt with shoulder	243 226
27	Gear rack on the right	253 487	515	Shoulder screw M4x9x14	020 602
28	Threaded spacer	229 683	516	Setscrew M6x16-45	023 092
29	Sleeve	227 257	517	Spiral pin 4x24	023 544
30	Sleeve	239 997	518	Shim ring 4x8x0,5	023 384
31	Collar bolt	210 551	519	Shim ring 10x16x1,5	023 261
32	Cable with switch auxiliary take-downkc	243 142	520	Retaining ring 26x1,2	023 359
33	Connecting rod complete	226 710	522	Tension spring 7,5x0,7x28	023 595
33a	Connecting rod	255 696	523	Grooved ball bearing 6000-2Z	022 599



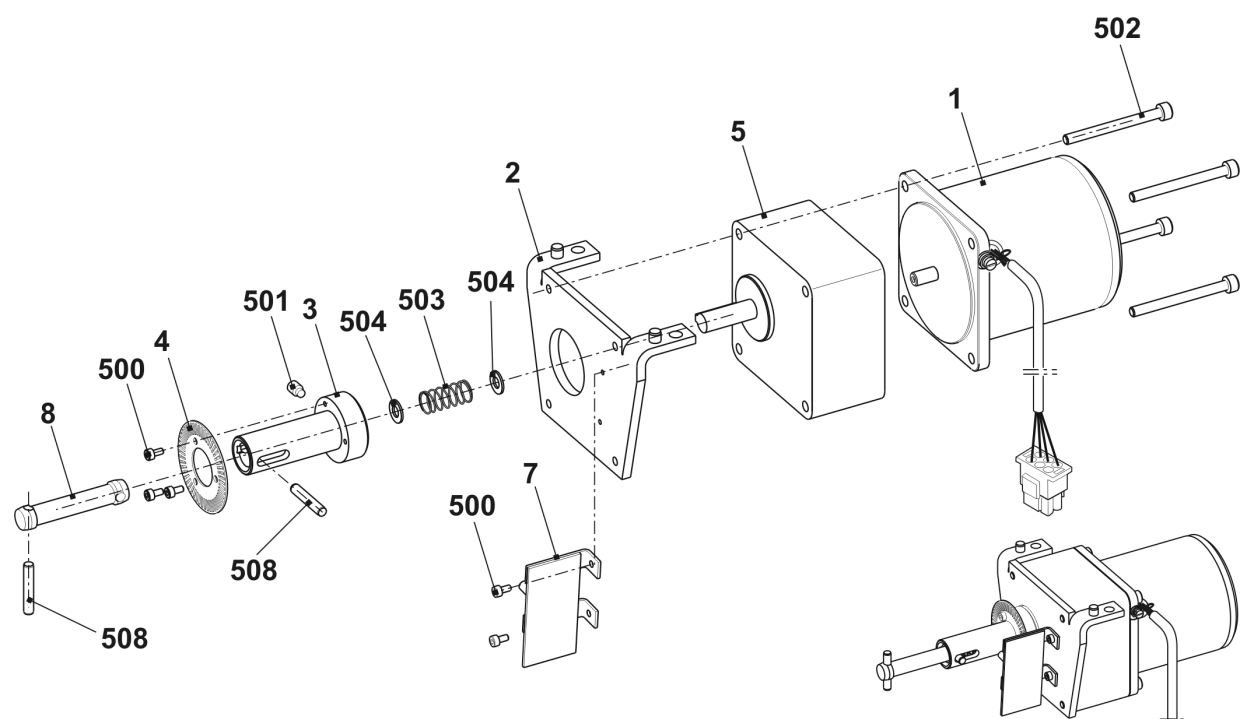
7.3 Left bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the left	239 999	41	Gear wheel on the left complete	218 523
21	Cover	257 466	42	Gear rack on the left	253 488
28	Threaded spacer	229 683	510	Cap screw M3x20	022 448
30	Sleeve	239 997	512	Countersunk head screw M4x12	023 062
31	Collar bolt	210 551	513	Hexagon nut M6-6	020 836
33	Connecting rod complete	226 710	514	Threaded bolt with shoulder	243 226
33a	Connecting rod	255 696	515	Shoulder screw M4x9x14	020 602
530	Slide bearing GFM-081014-06	023 358	516	Setscrew M6x16-45	023 092
531	Needle roller bearing HK1010	023 664	518	Shim ring 4x8x0,5	023 384
34	Roller deflector	218 805	519	Shim ring 10x16x1,5	023 261
36	Bearing block on the left	258 914	520	Retaining ring 26x1,2	023 359
37	Drive shaft complete	227 887	522	Tension spring 7,5x0,7x28	023 595
39	Bolts	226 705	523	Grooved ball bearing 6000-2Z	022 599



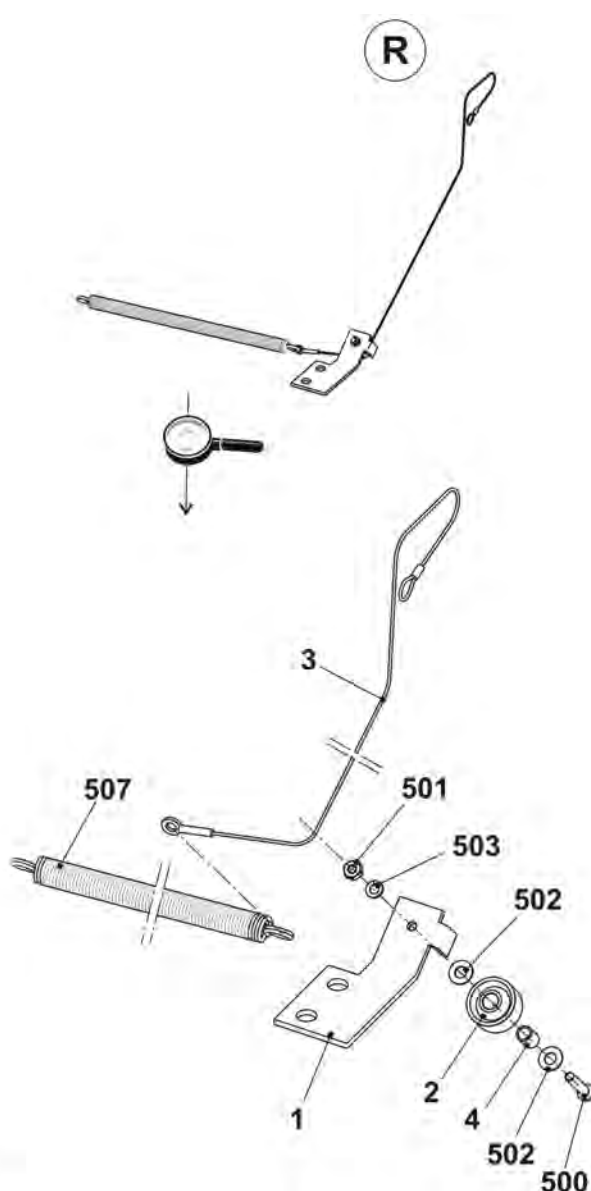
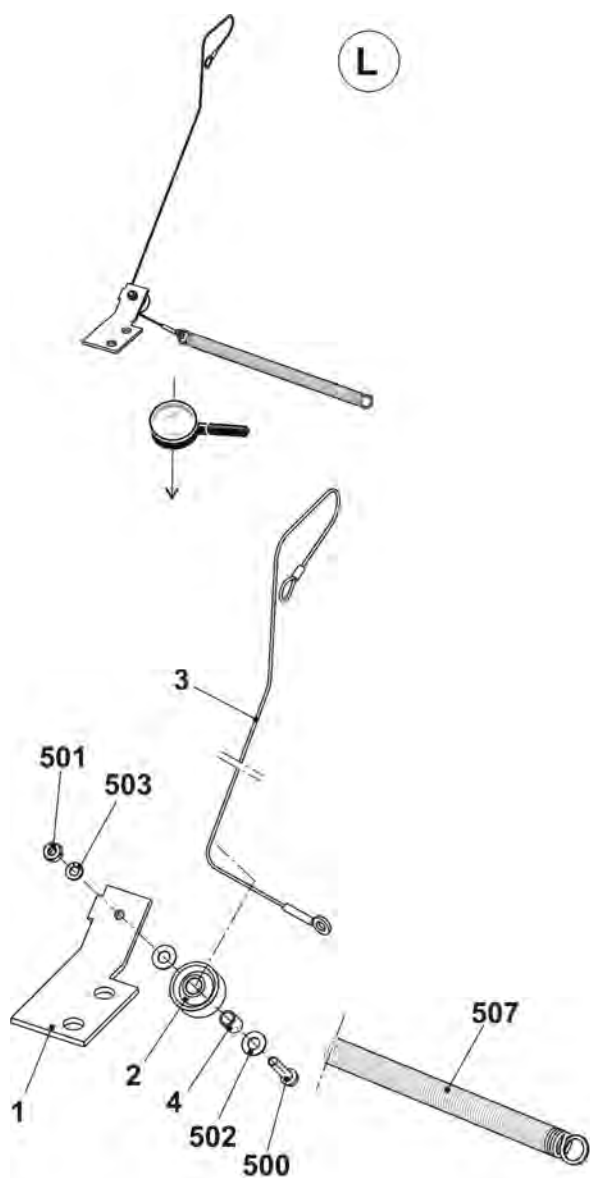
7.4 Motor

Pos	Designation	Id	Pos	Designation	Id
Σ	Motor auxiliary take-down complete	214 449	8	Shaft	219 025
1	Motor auxiliary take-down	213 871	500	Cap screw M3x6	022 589
2	Motor bracket	218 040	501	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



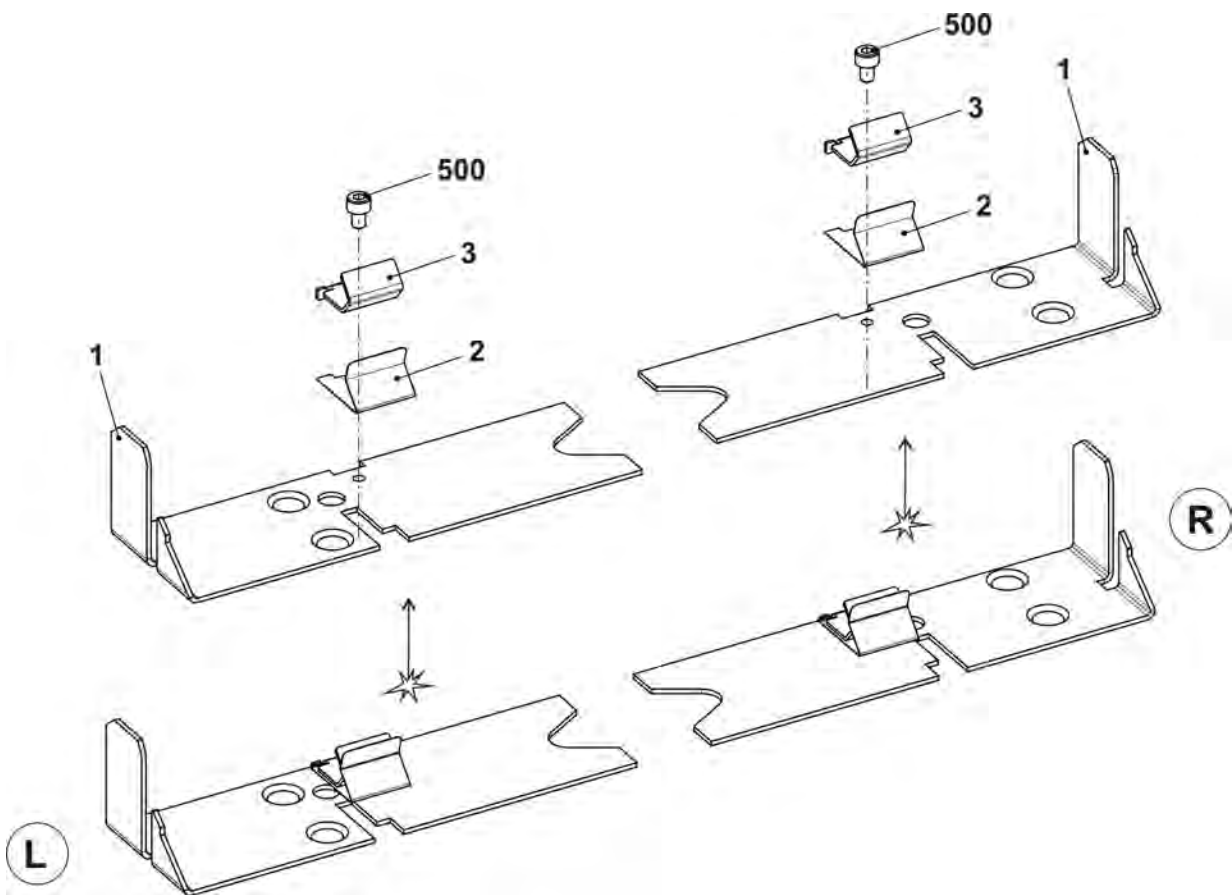
7.5 Metal angle on the left and right complete

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

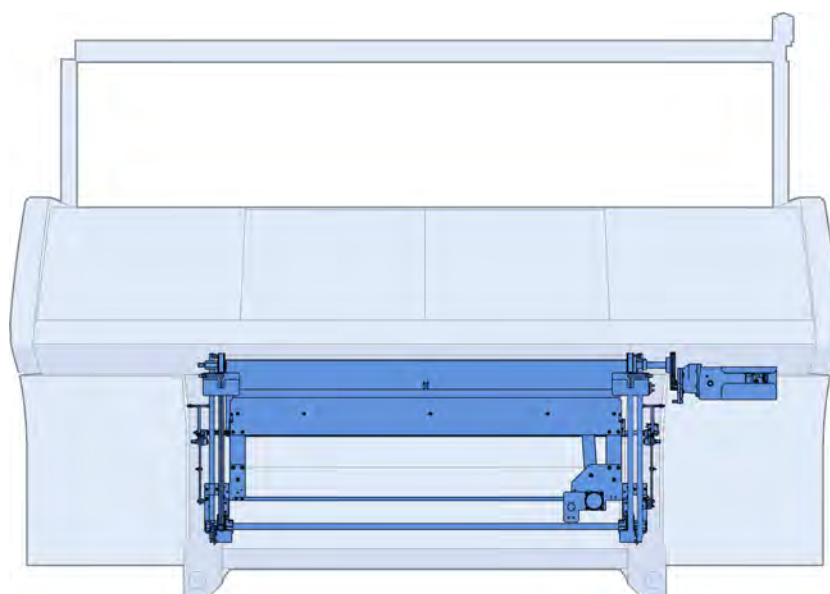


7.6 Yarn brake at clamping and cutting bed

Pos	Designation	Id	Pos	Designation	Id
Σ L	Yarn brake on the left	262 367	Σ R	Yarn brake on the right	262 368
1	Cover on the left	262 365	3	Cover on the right	262 366
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

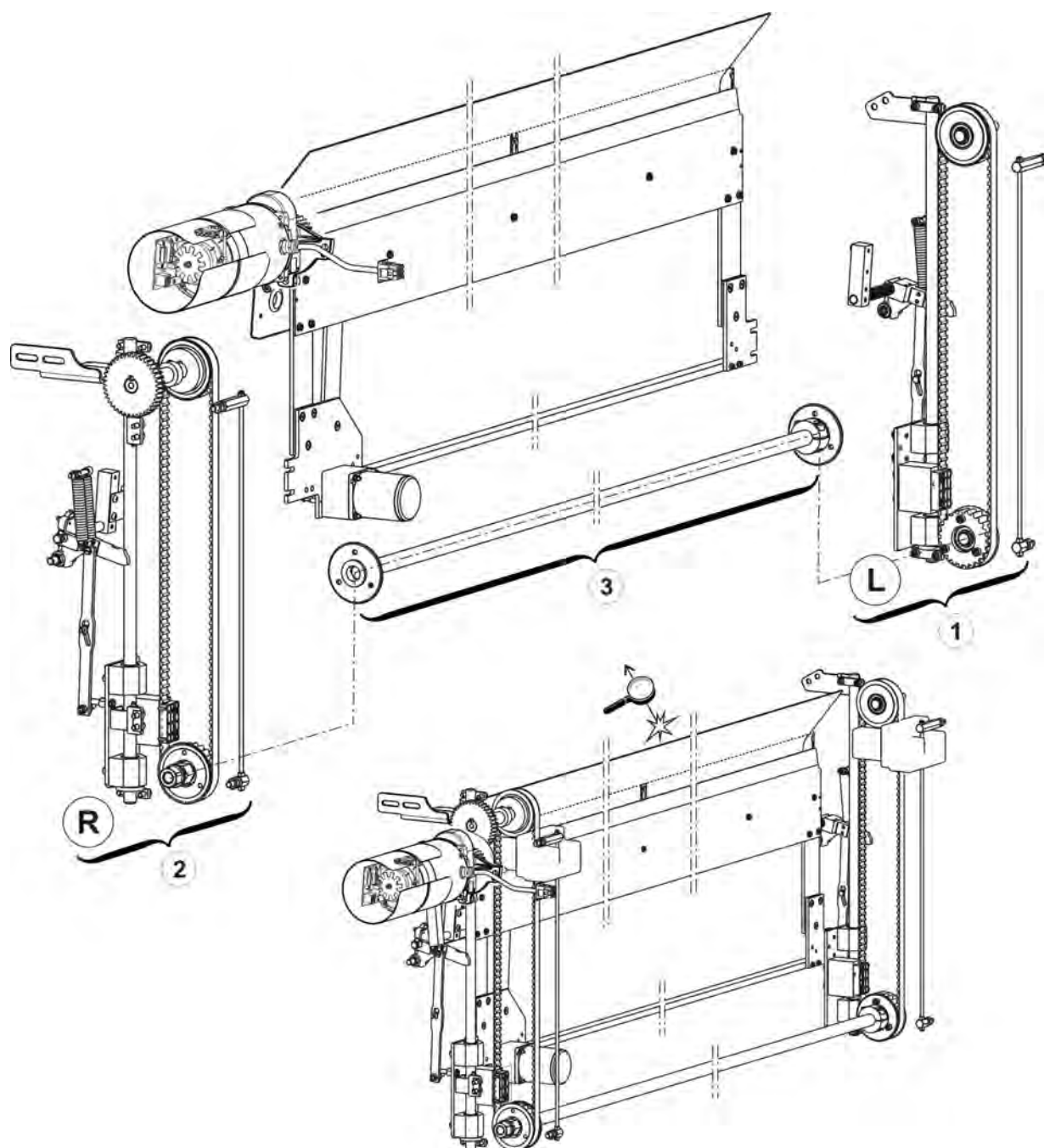


8 Comb Take-down



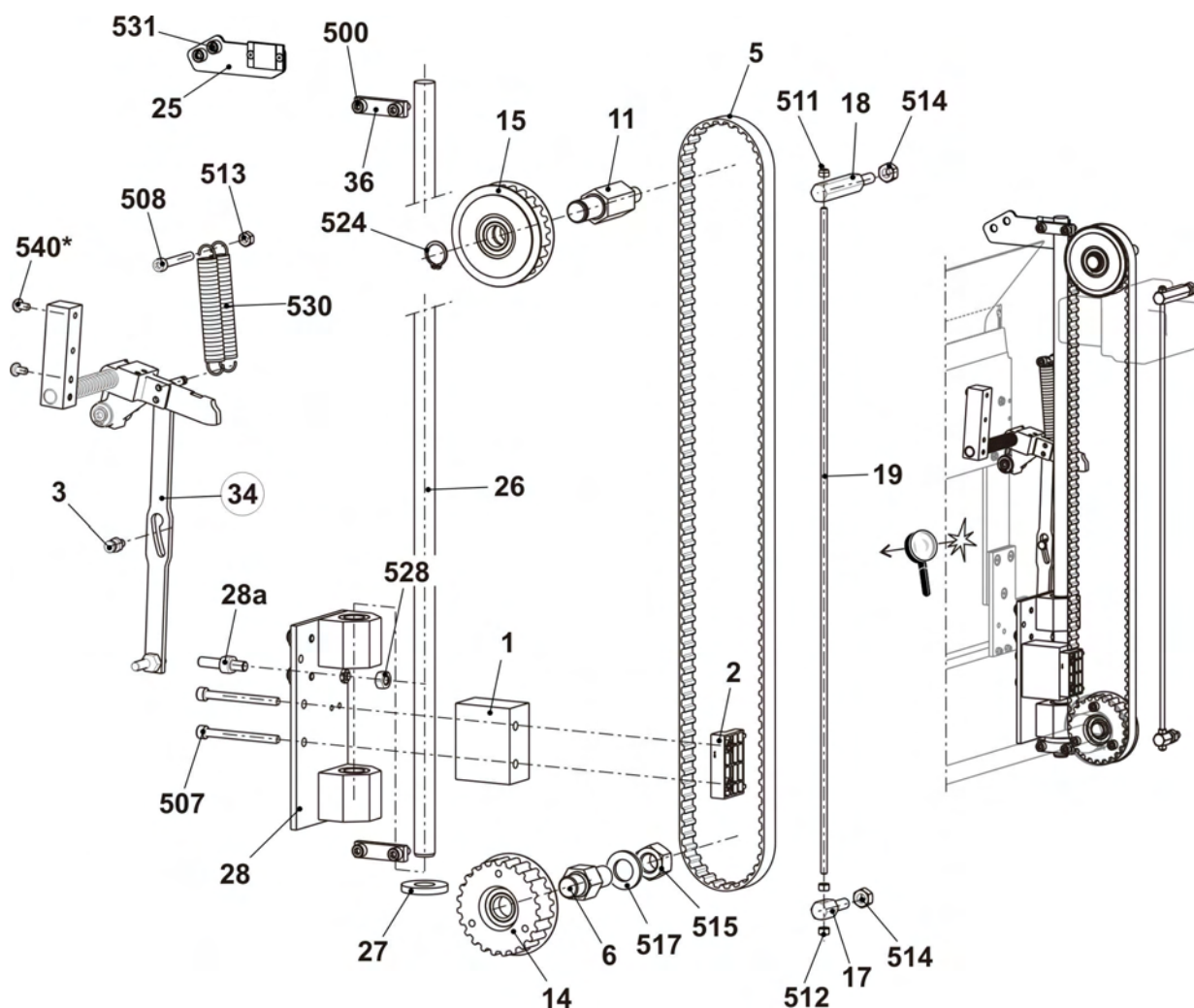
8.1 Comb Take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down		3	Remaining parts of comb take-downE3	253 622
1	Comb take-down on the left	256 834		Remaining parts of comb take-downE7 (E3,5)	253 587
2	Comb take-down on the right	256 835		Remaining parts of comb take-downE8 (E4)	253 588



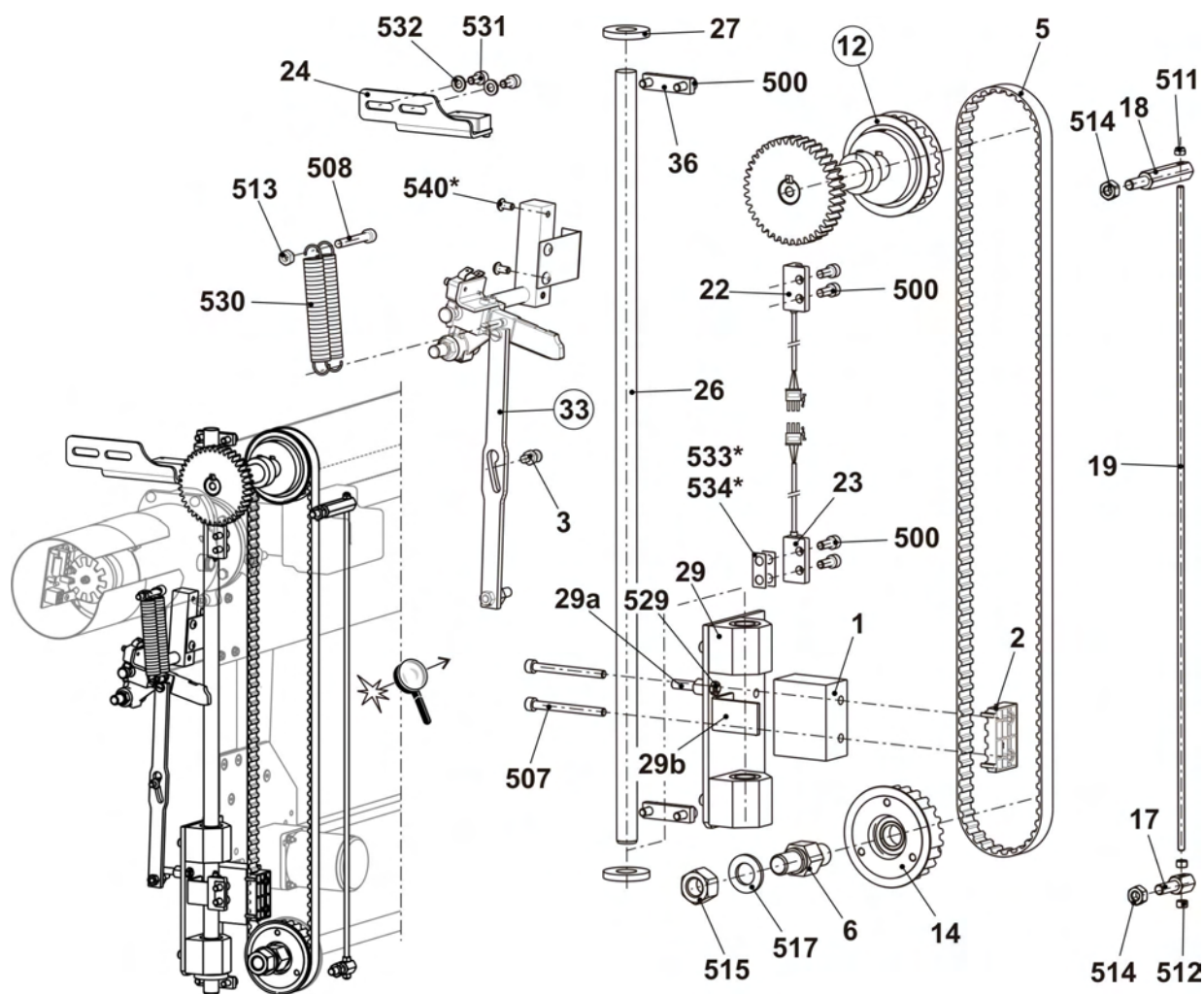
8.2 Comb take-down on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the left	256 834			
1	Clamping 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



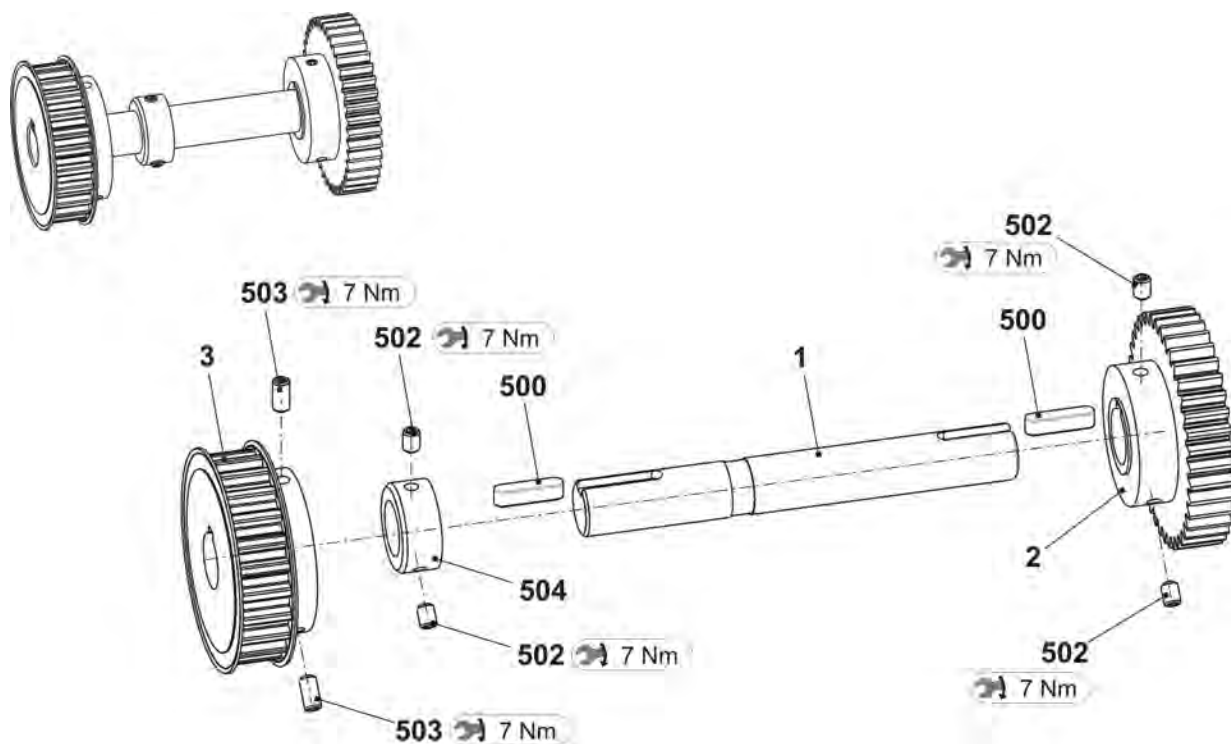
8.3 Comb take-down on the right

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



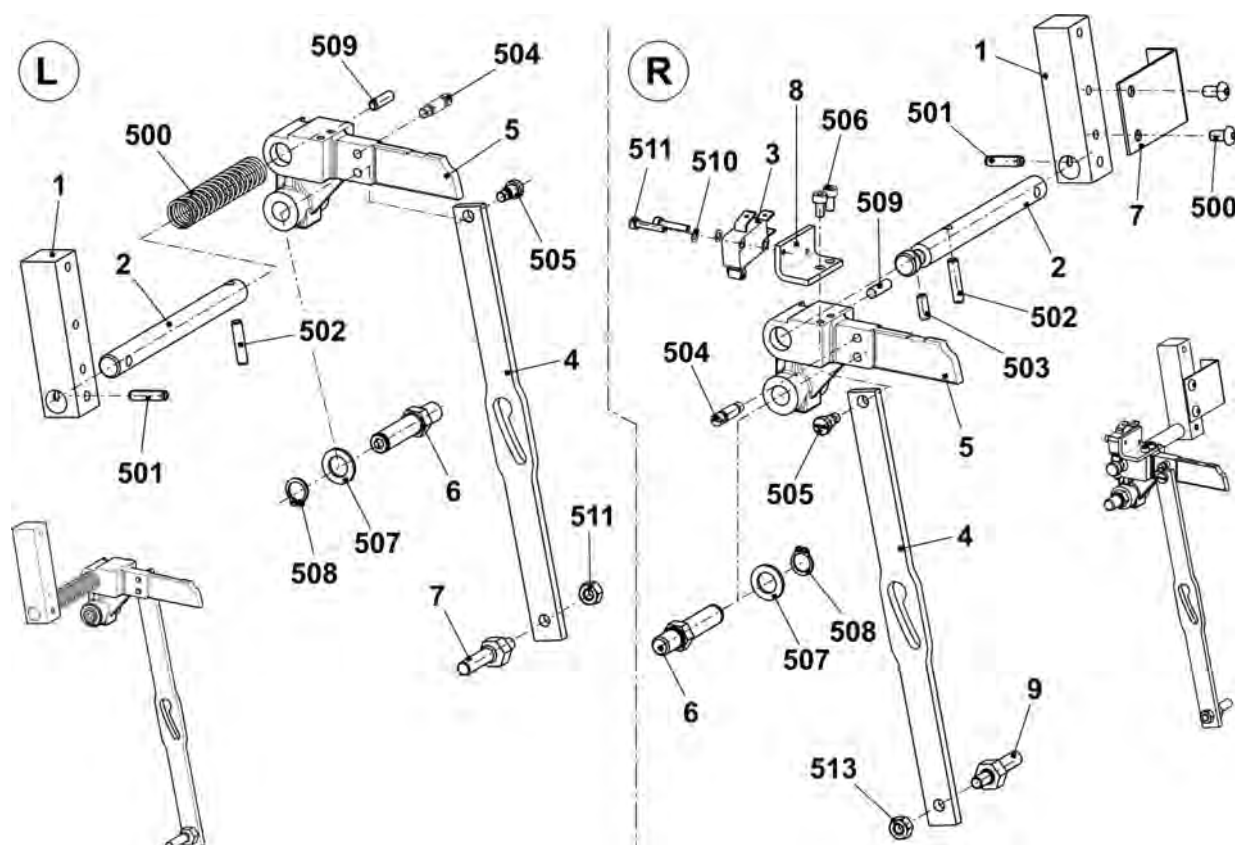
8.3.1 Drive shaft of comb

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



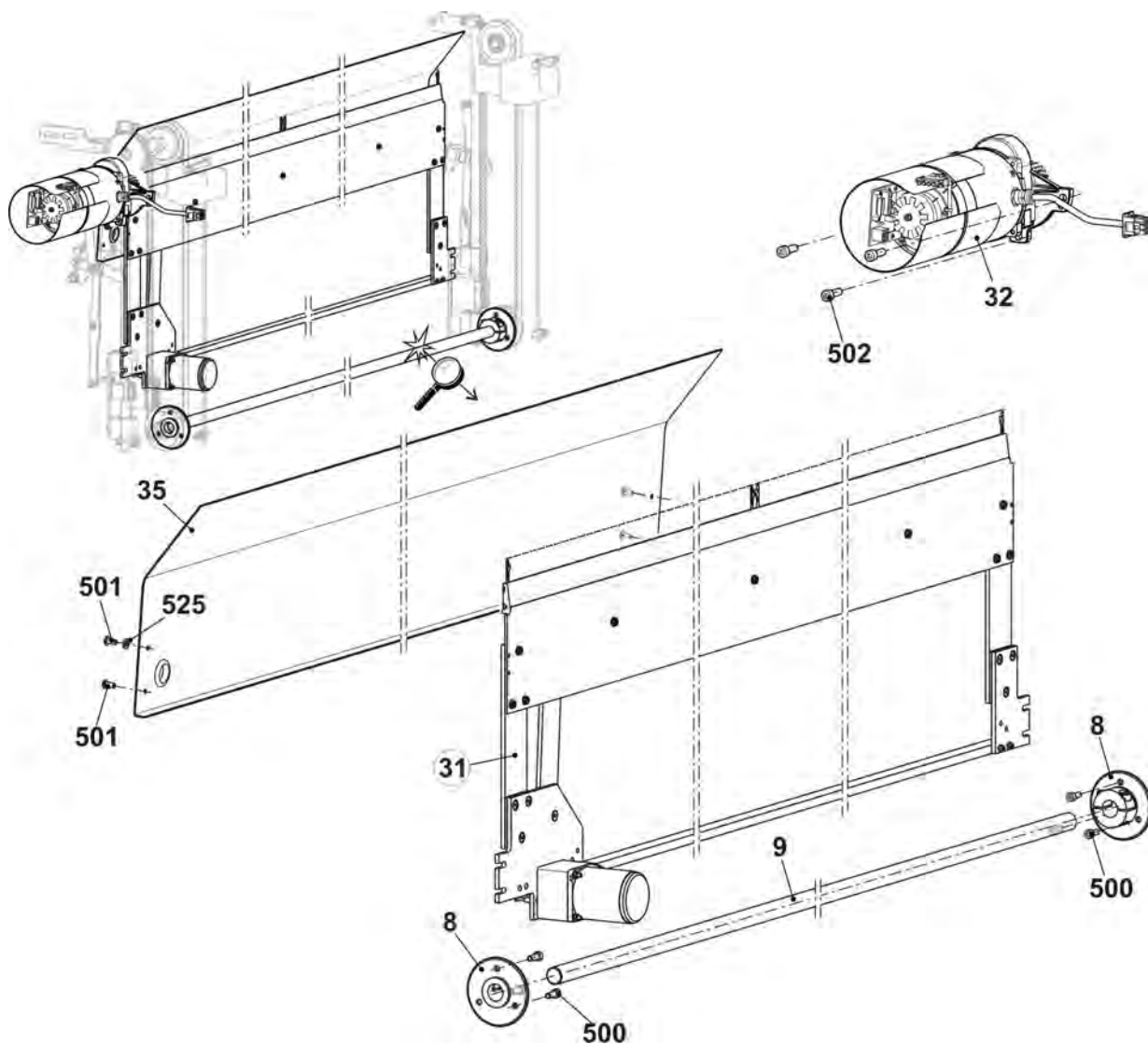
8.3.2 Swivel lever comb take-down

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



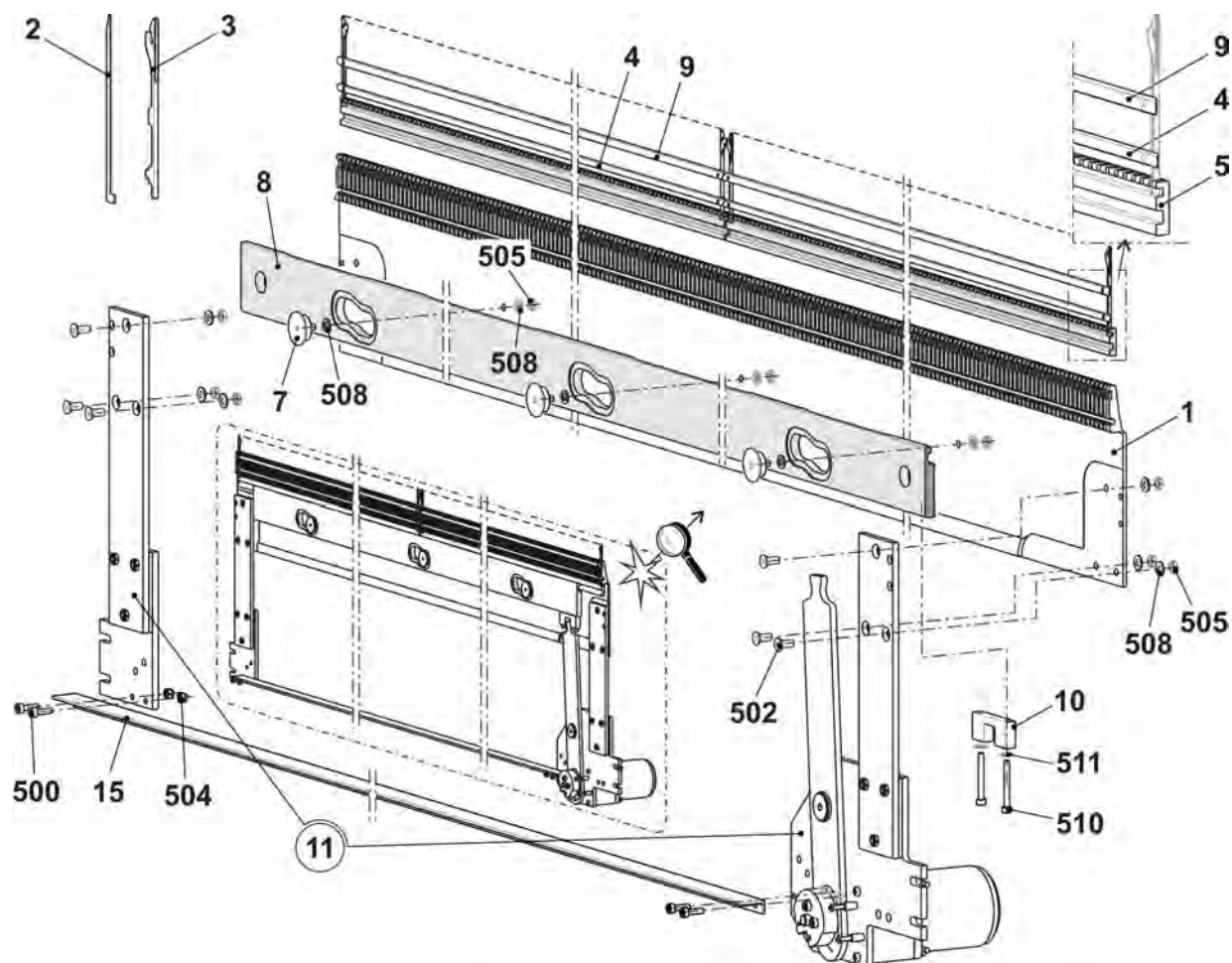
8.4 Comb take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down in the middle		31	Comb unit	
	E3	253 622	E3		243 626
	E7 (E3,5)	253 587	E3,5+7 (E3,5)		241 531
	E8 (E4)	253 588	E4+8 (E4)		241 532
8	Flange	207 695	32	Motor take-down unit complete	253 803
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



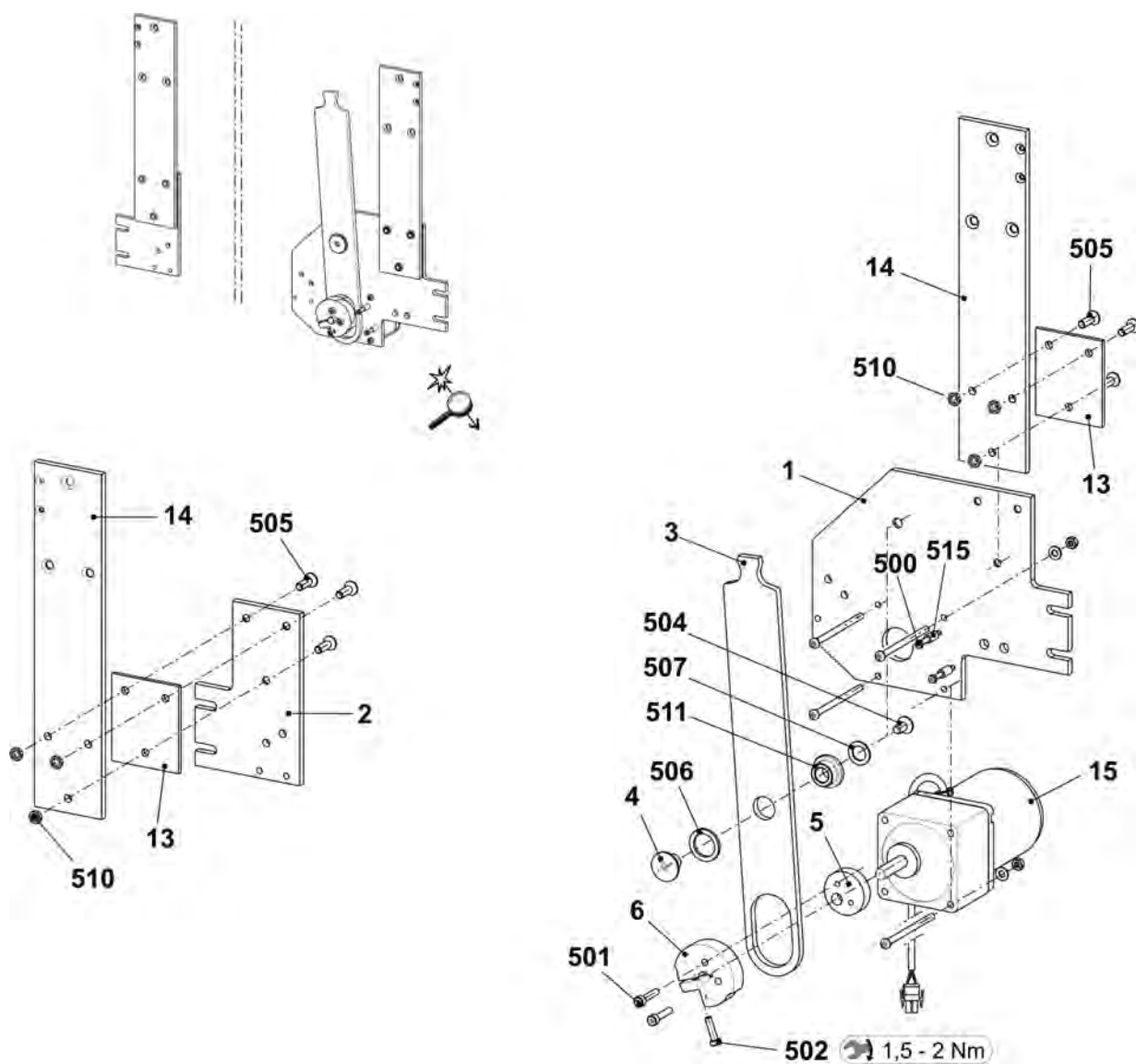
8.4.1 Comb unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb unit				
	E3	243 626	7	Collar bolt complete	211 036
	E7 (E3,5)	241 531	8	Cross slider	213 429
	E8 (E4)	241 532	9	Cover rail	222 866
1	Hook bed		10	Plunger	205 678
	E3	221 190	11	Switching lever complete	240 060
	E7	221 194	15	Stabilizer	263 892
	E8	221 195	500	Cap screw M4x30	023 290
2	CloserE3-8	230 105	502	Countersunk head screw M5x12	023 340
3	BodyE3-8	230 093	504	Hexagon nut M4-8	023 046
4	Cover railE3-14	213 428	505	Hexagon nut M5-04	020 854
5	Hook slider		508	Washer 5	020 871
	E3	220 992	510	Cap screw M4x35	023 550
	E3,5	220 993	511	Circlip	022 774
	E4	220 994			

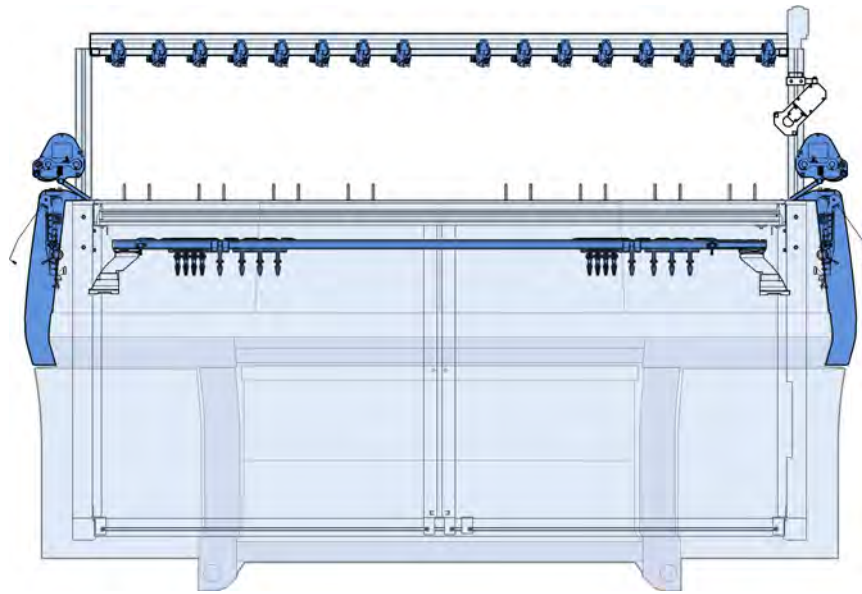


8.4.2 Switching lever comb take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Switching lever complete	240 060	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 2 phases	244 635	515	Threaded spacer	210 488

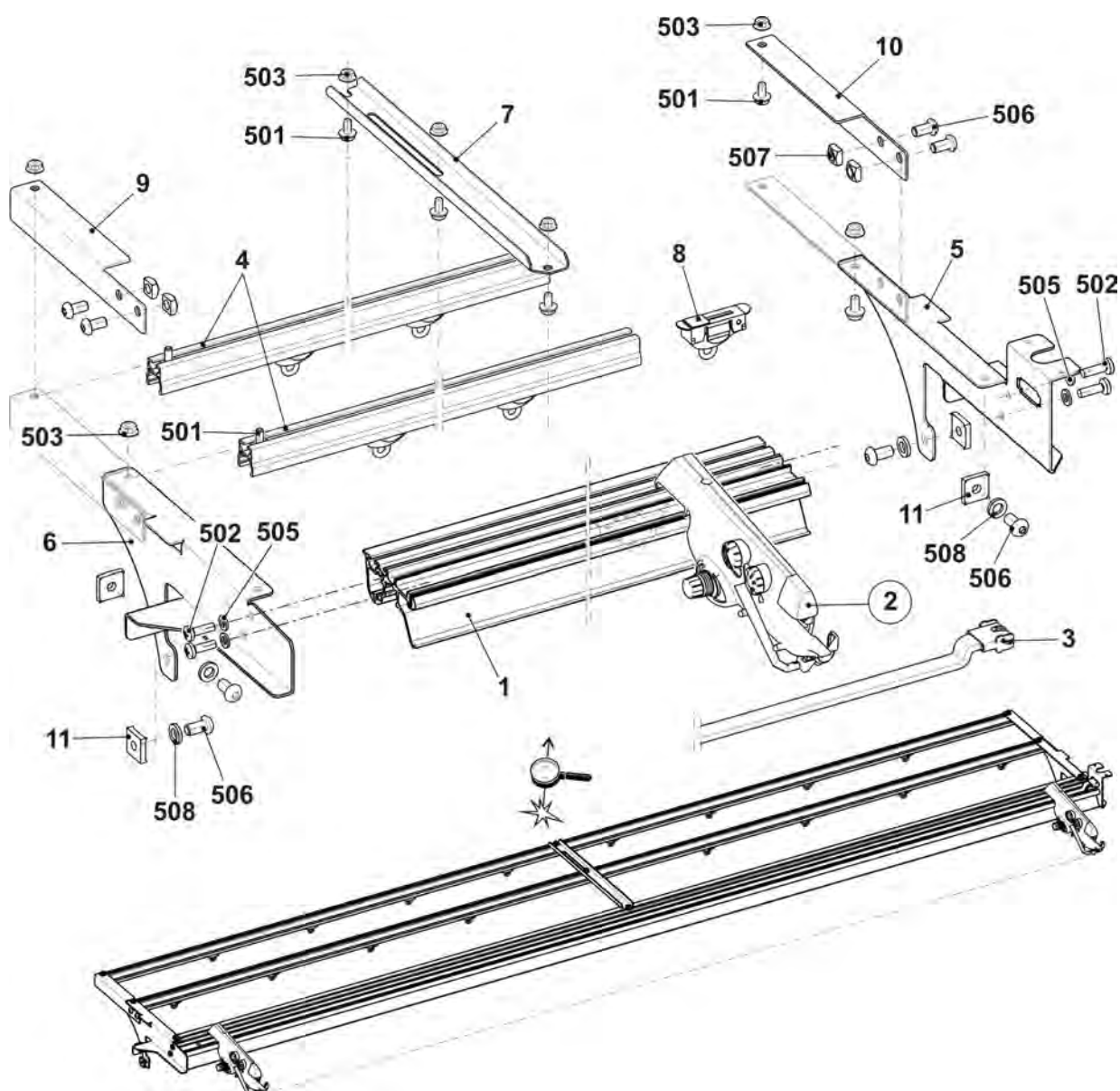


9 Yarn delivery device



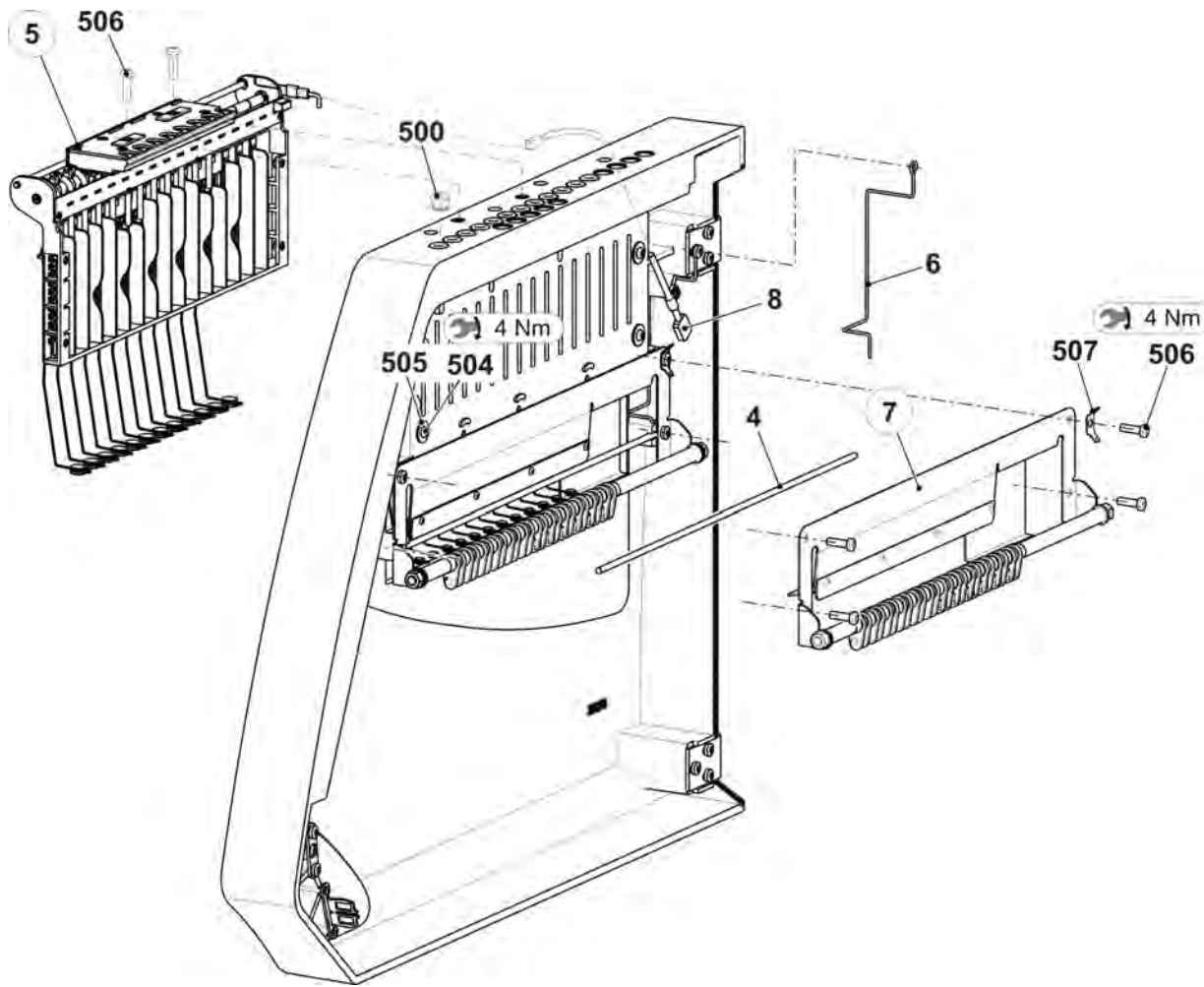
9.1 Yarn guide device

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



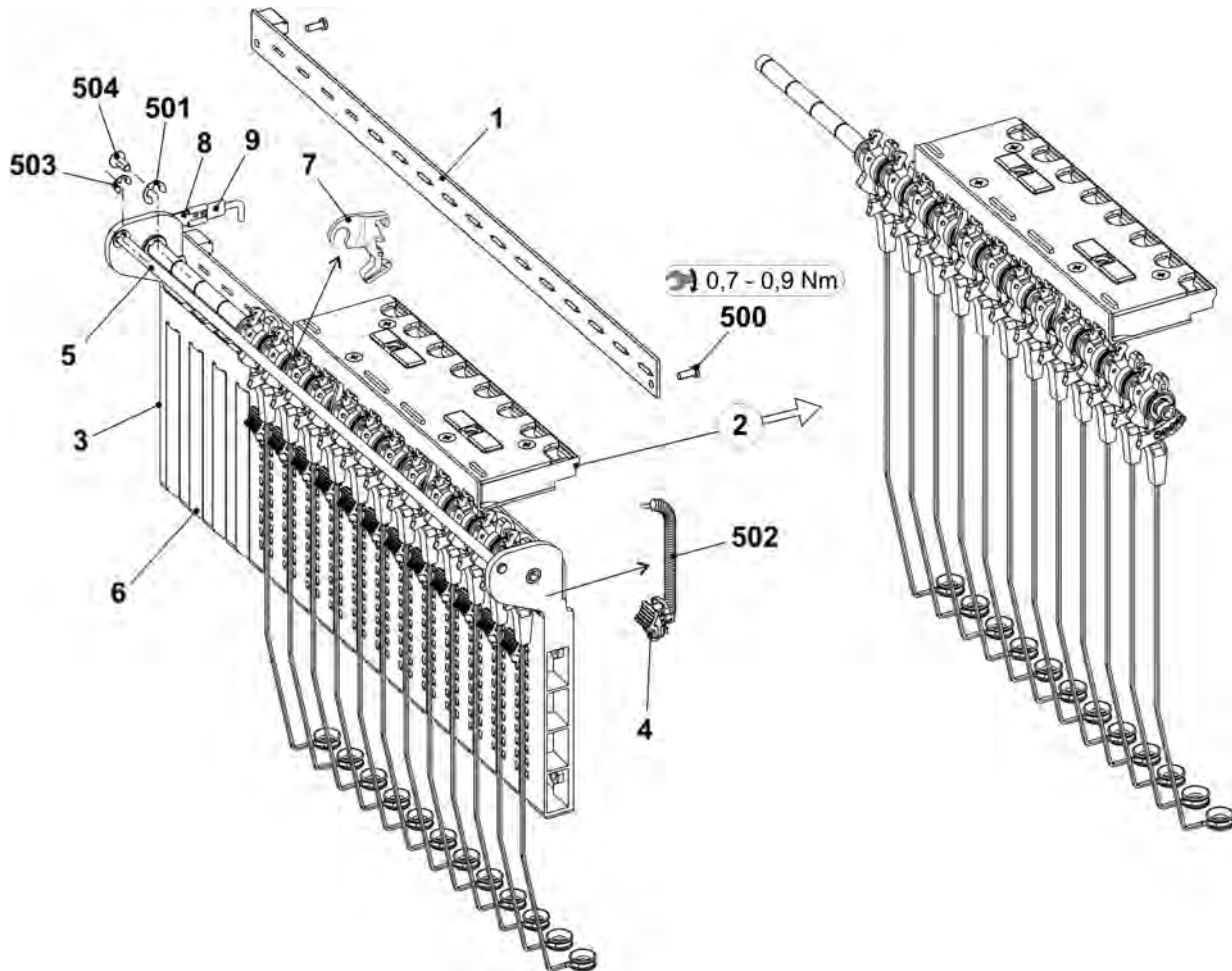
9.2 Left yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete E3-4	265 337			
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the left complete E3-4	265 386	504	Pan-head screw M5x16	265 377
6	Wire bow on the left	265 052	505	Washer 5,3x18x1,5	020 909
7	Yarn deflector on the left complete	265 285	506	Screw 6x20	265 379
8	Connection cable yarn tensionerokc	240 808	507	Flat connector 2x45° M6	243 117



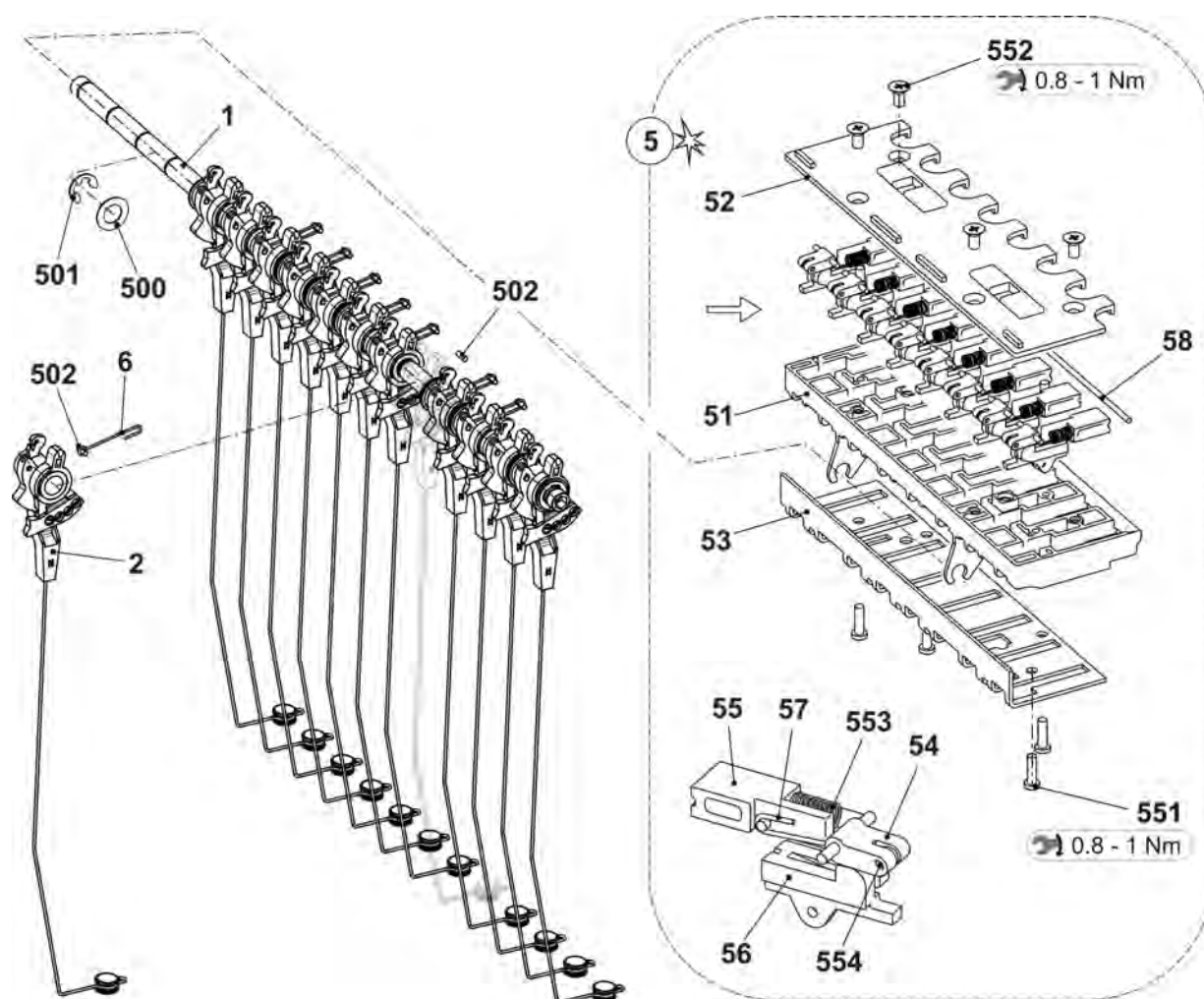
9.2.1 Left yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the left complete E3-4	265 386			
1	Card yarn tensioner 16-fold on the left	241 345	8	Grounding plate of tension axle	243 121
2	Tension axle on the left complete E3-4	265 388	9	Ground cable yarn tensioner okc	243 105
3	Housing	241 367	500	Screw KB 30x8	236 228
4	Slider	241 694	501	Circlip	021 022
5	Stop point	241 368	502	Tension spring 5,6x0,63x53,7	023 722
6	Border	242 268	503	Circlip	021 020
7	Spacer	242 048	504	Countersunk screw M4x10	241 914



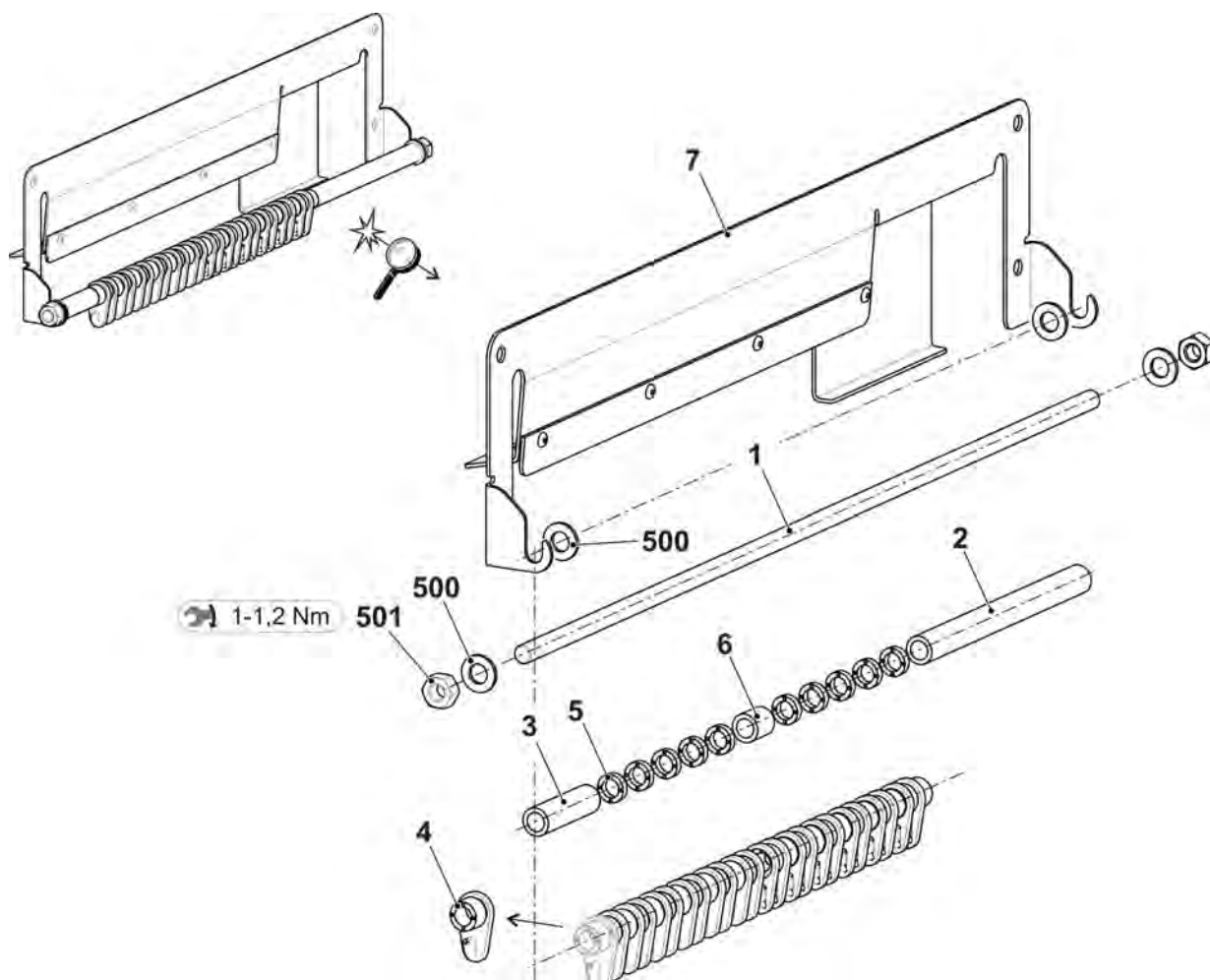
9.2.2 Left tension axle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Tension axle on the left complete E3-4	265 388	53	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107	54	Lever AKF	238 692
2	Tension arm pre-assembled E3-8	242 770	55	Pressure piece AKF	238 690
6	Wire bow	238 694	56	Slider AKF	238 691
500	Shim ring 8x14x0,5	023 501	57	Wire bow	238 694
501	Circlip	021 022	58	Wire	237 940
502	Grooved pin 2x6	243 172	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	Housing AKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172



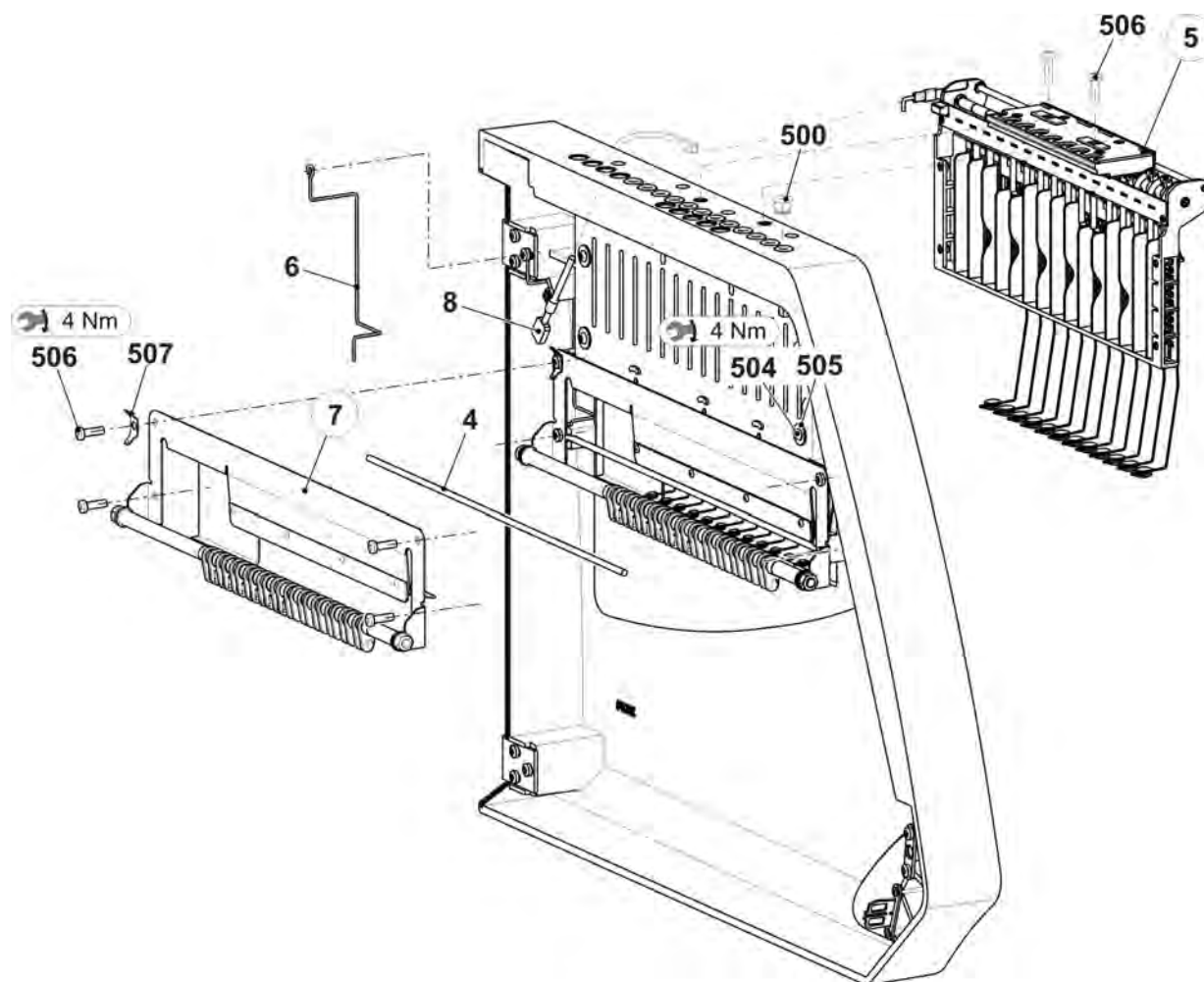
9.2.3 Yarn deflector on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the left complete	265 285	5	Distance bushing E3-4	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



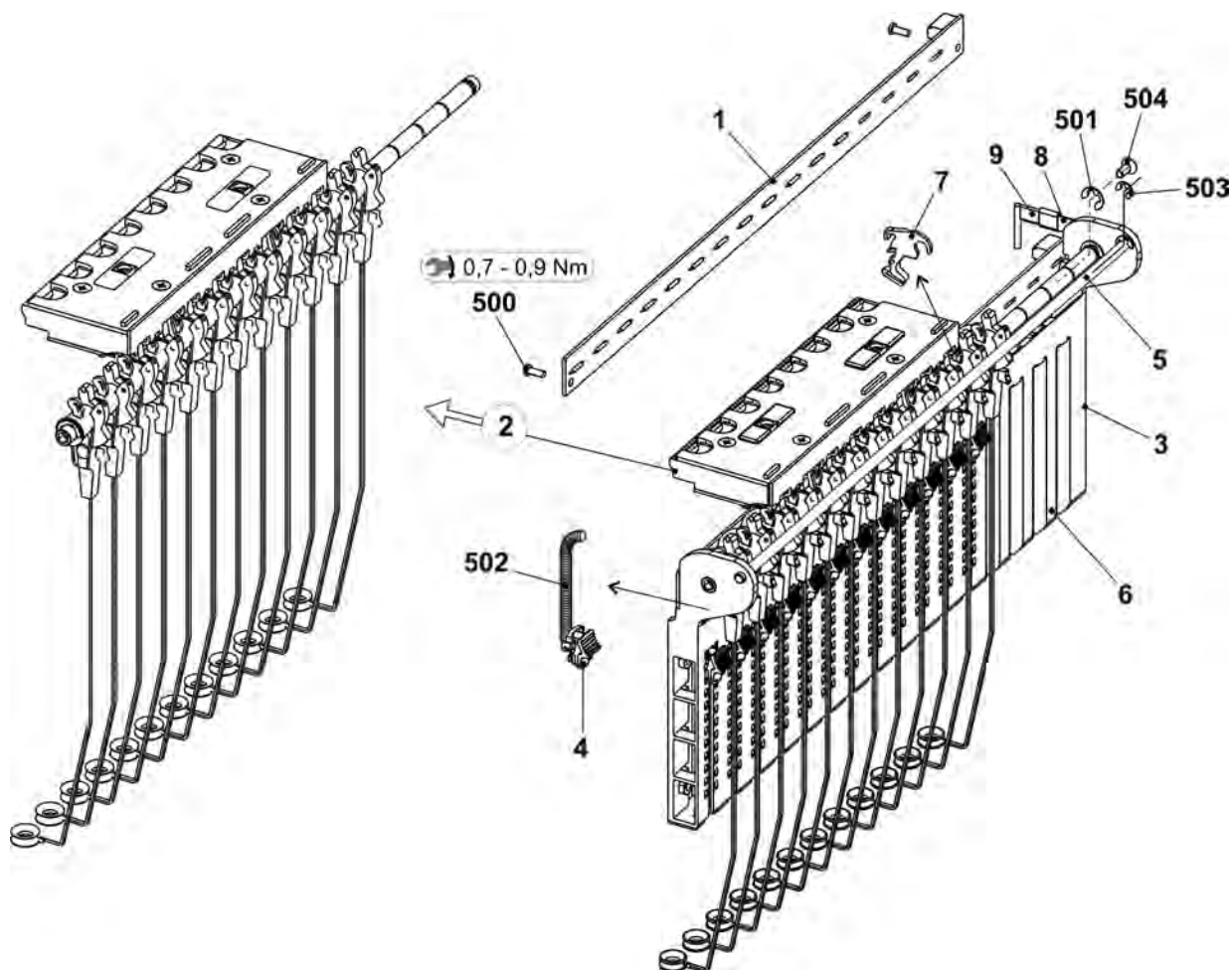
9.3 Right yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete E3-5	265 338			
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the right complete E3-5	265 387	504	Pan-head screw M5x16	265 377
6	Wire bow on the right	265 053	505	Washer 5,3x18x1,5	020 909
7	Yarn deflector on the right complete	265 356	506	Screw 6x20	265 379
8	Connection cable yarn tensionerokc	240 808	507	Flat connector 2x45° M6	243 117



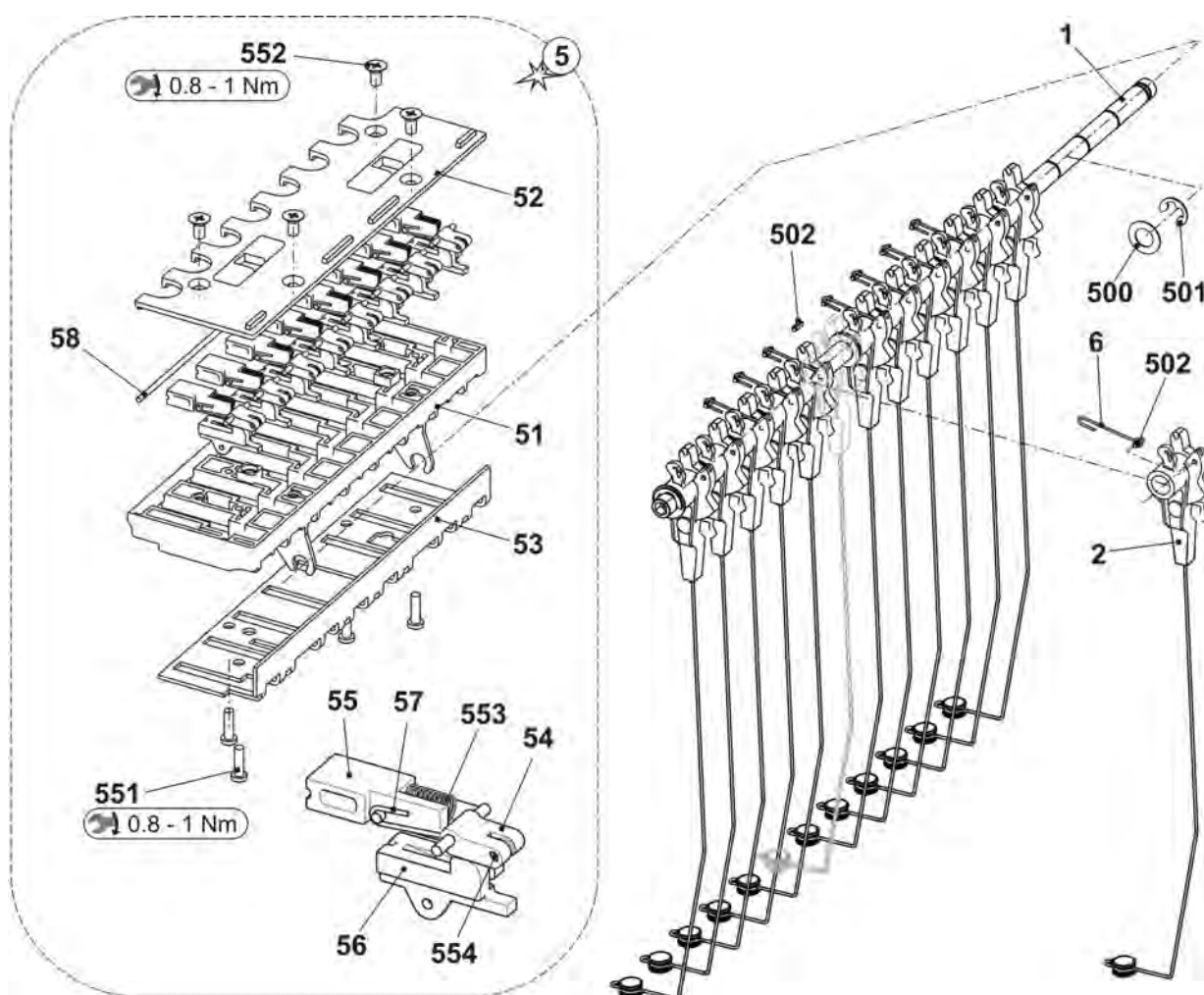
9.3.1 Right yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the right E3-4	265 387			
1	Card yarn tensioner 16-fold on the right	241 346	8	Grounding plate of tension axle	243 121
2	Tension axle on the right complete E3-4	265 389	9	Ground cable yarn tensioner OKC	243 105
3	Housing	241 367	500	Screw KB 30x8	236 228
4	Slider	241 694	501	Circlip	021 022
5	Stop point	241 368	502	Tension spring 5,6x0,63x53,7	023 722
6	Border	242 268	503	Circlip	021 020
7	Spacer	242 048	504	Countersunk screw M4x10	241 914



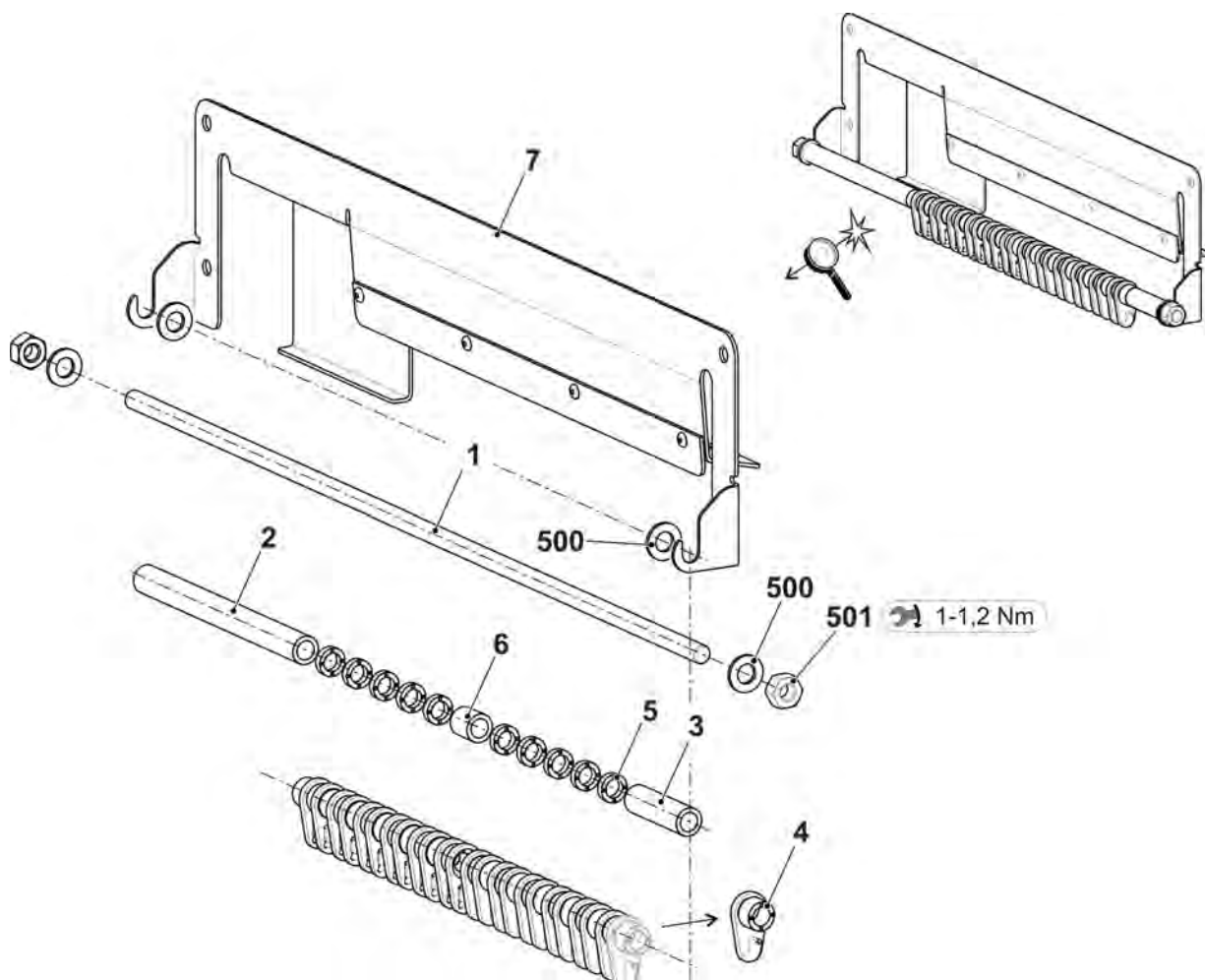
9.3.2 Right tension axle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Tension axle on the right complete	E3-4 265 389	53	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107	54	Lever AKF	238 692
2	Tension arm pre-assembled	E3-8 242 770	55	Pressure piece AKF	238 690
6	Wire bow	238 694	56	Slider AKF	238 691
500	Shim ring 8x14x0,5	023 501	57	Wire bow	238 694
501	Circlip	021 022	58	Wire	237 940
502	Grooved pin 2x6	243 172	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	Housing AKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172



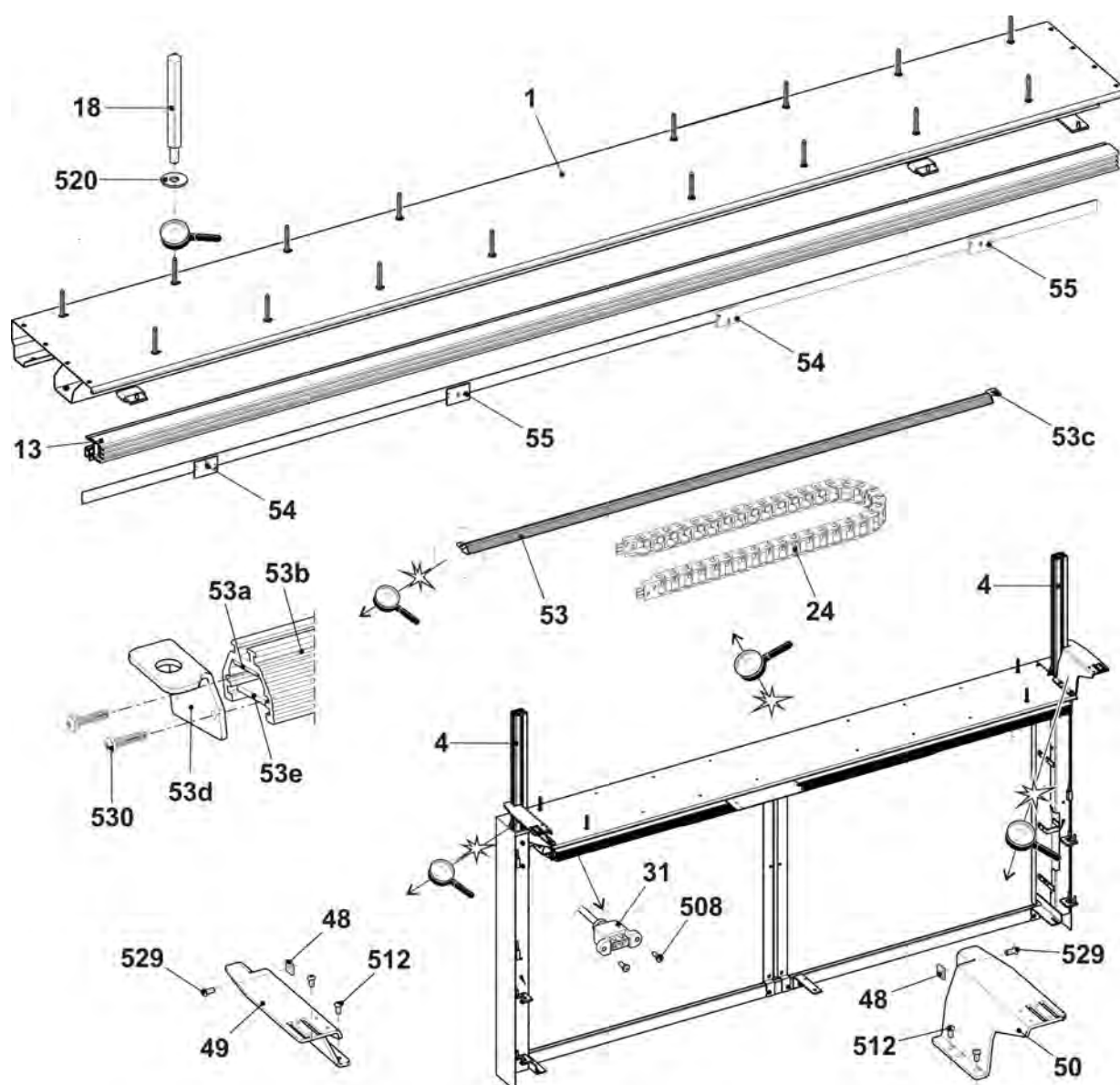
9.3.3 Yarn deflector on the right complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the right complete	265 356	5	Distance bushing E3-4	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



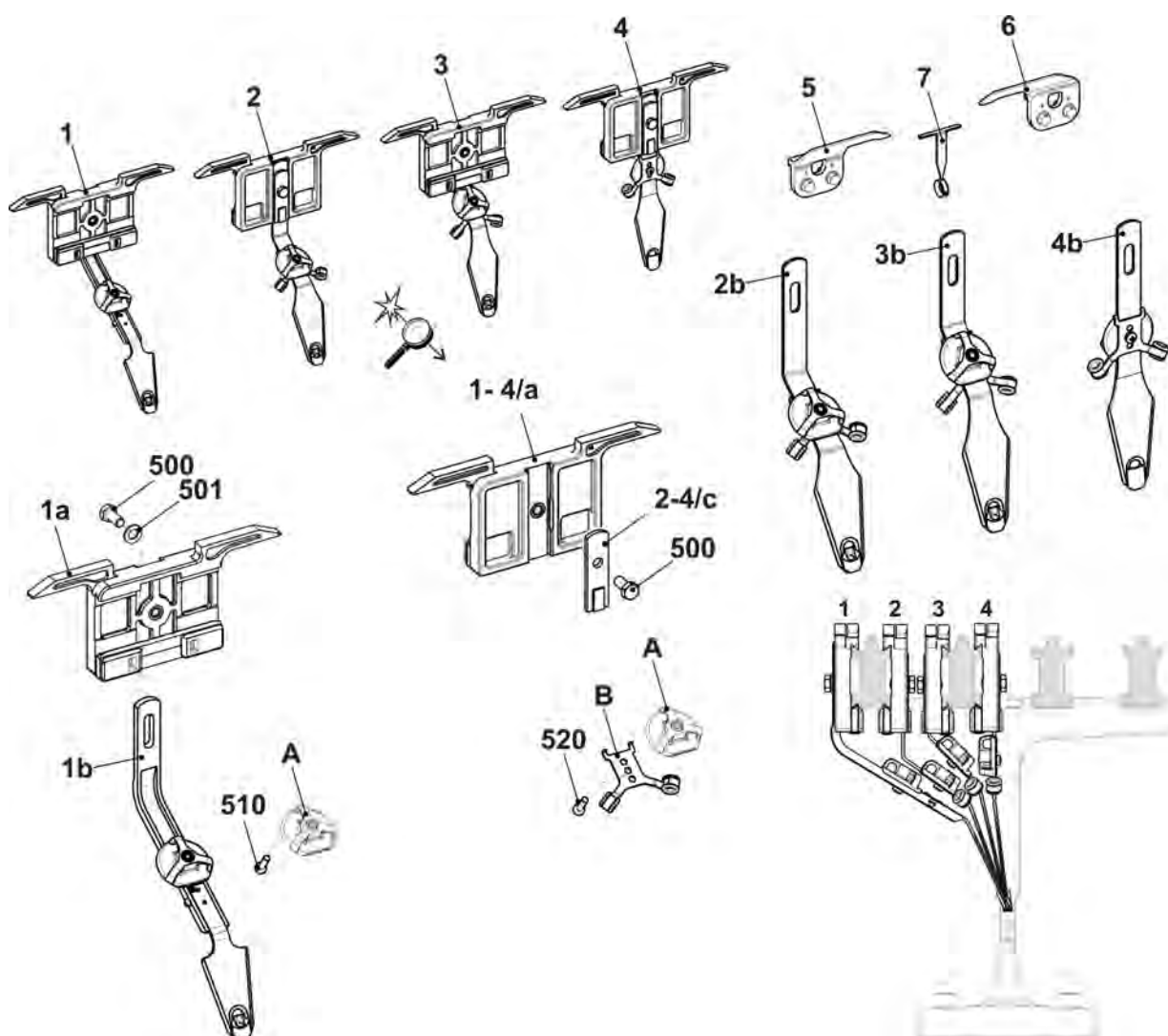
9.4 Bobbin board

Pos	Designation	Id	Pos	Designation	Id
Σ	Table complete50"	240 241			
1	Table	251 244	53b	Support profile of lamp	263 644
4	Support element	228 594	53c	Support right	264 661
13	Guide rail at the top complete	264 763	53d	Support on the left	264 662
18	Positioning pin	204 819	53e	Cover	263 647
24	Energy chain display 38 links	253 888	530	Sheet metal screw ST2,2x9,5-F	263 824
31	Cable USB extension	253 706	54	Card safety door switch outside	264 696
48	Slot nut	228 851	55	Card safety door switch middle	264 695
49	Support of left feed wheel	264 453	508	Pan-head screw M3x8	023 251
50	Support of right feed wheel	264 454	512	Pan-head screw M8x16	023 113
53	Lamp LED complete	264 759	520	Washer 5	020 901
53a	Card LED-module	263 642	529	Pan-head screw M8x18	251 331



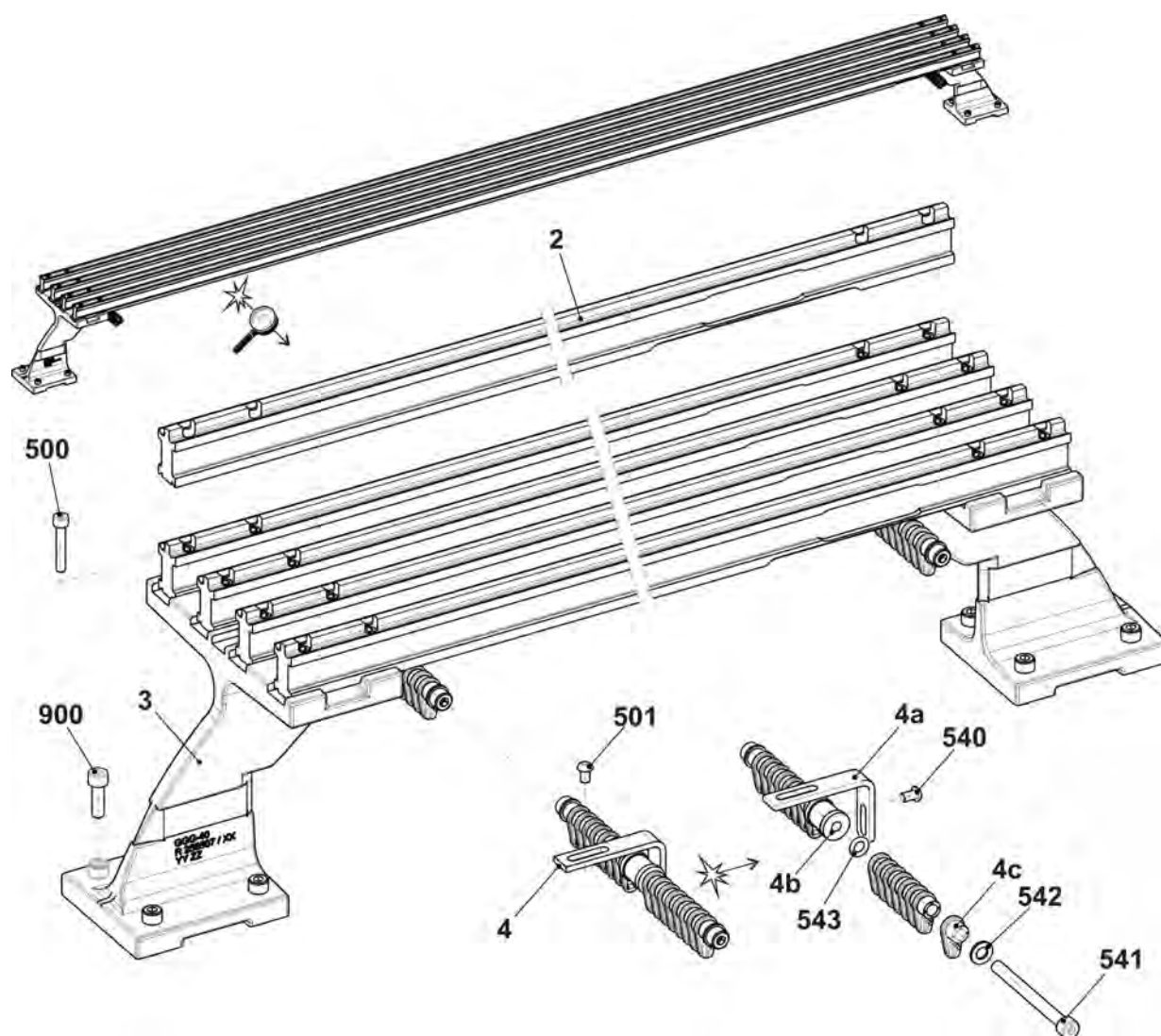
9.5 Carriage of yarn carrier

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide complete	262 422	1-4/a	FF carriage complete	241 887
1	FF carriage 1+8 complete E3-4m.3L	217 486	1b	FF bow 1+8 complete E3-4	216 266
2	FF carriage 2+7 complete E3-4m.3L	262 386	2b	FF bow 2+7 complete E3-4m.3L	262 383
3	FF carriage 3+6 complete E3-4m.3L	262 387	3b	FF bow 3+6 complete E3-4m.3L	262 384
4	FF carriage 4+5 complete E3-4m.3L	262 388	4b	FF bow 4+5 complete E3-4m.3L	262 385
5	Limiter on the left	244 099	2-4/c	Shim	213 035
6	Limiter on the right	244 098	A	Yarn guide star	202 146
7	Slider with eyelet	230 709	B	Yarn guide star complete	262 036
500	Hexagon screw M5x10	020 351	510	Pan-head screw M3x12	023 033
501	Washer 8	259 666	520	Pan-head screw M3x10	023 032



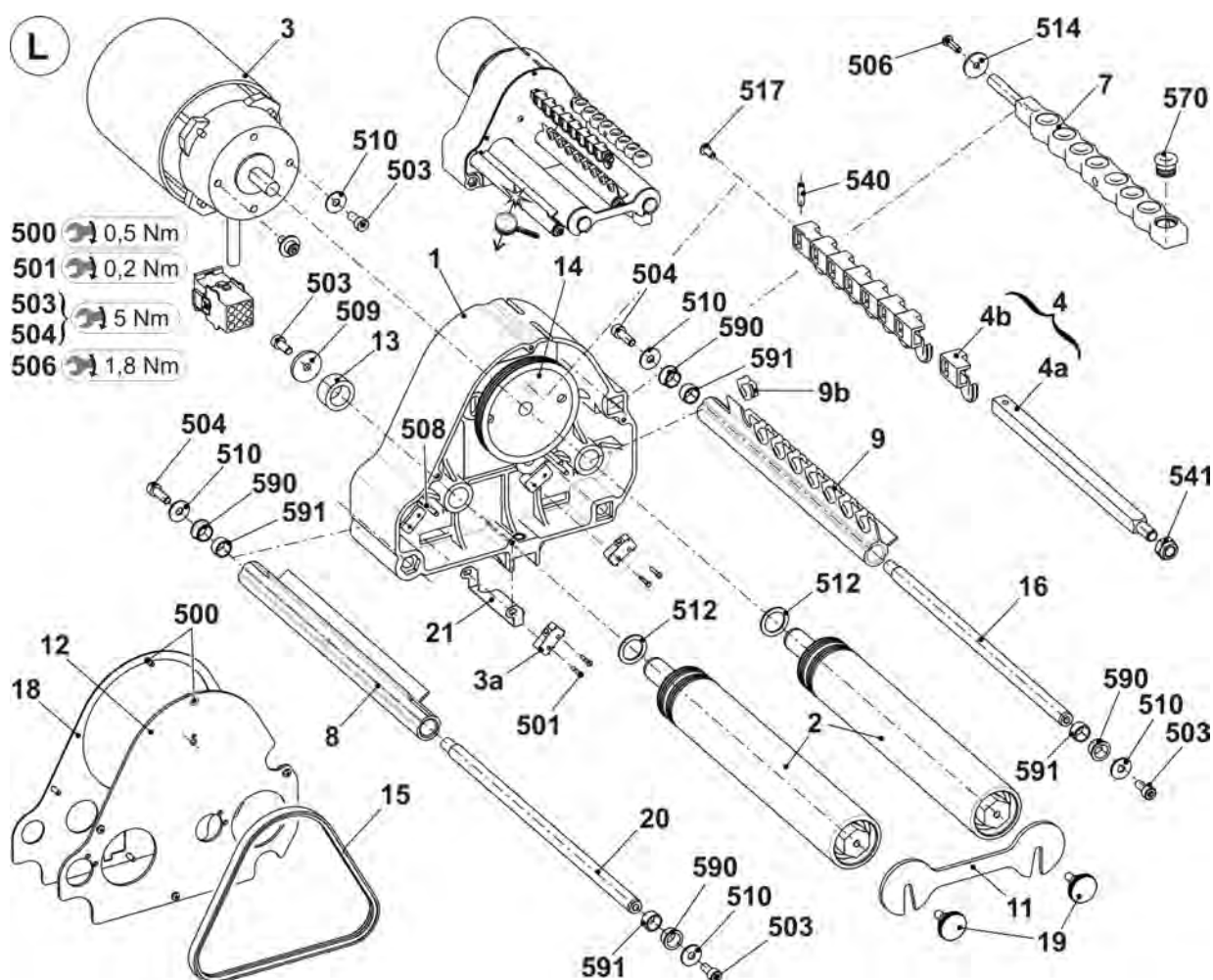
9.6 Bar unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Bar unit	262 466			
2	Yarn carrier rail	255 465	540	Pan-head screw M6x10	023 183
3	FF support	258 508	541	Cap screw M8x90	022 698
4	Yarn deflector complete	262 465	542	Washer 8	023 183
	4a Holding angle	262 463	543	O-ring 8x3	022 858
	4b Bolts	262 462	500	Cap screw M6x35	020 139
	4c Yarn carrier MH 10	262 391	501	Pan-head screw M6x10	023 183
			900	Cap screw M8x25	020 142



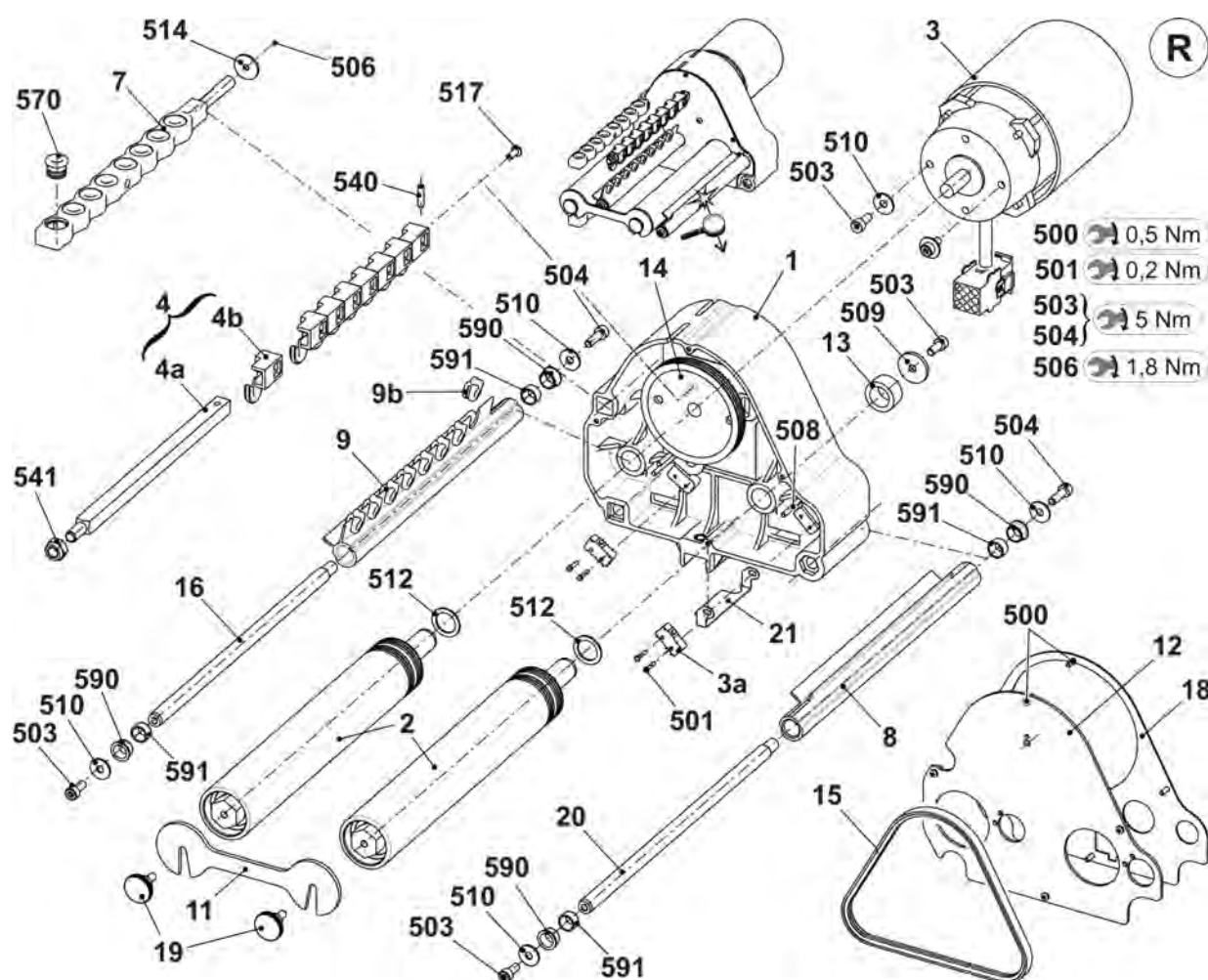
9.7 Left friction feed wheel

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

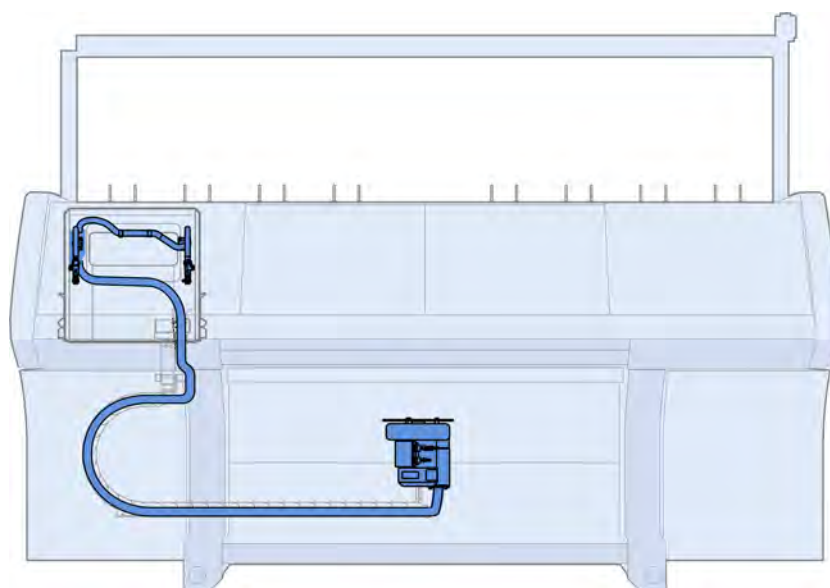


9.8 Right friction feed wheel

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

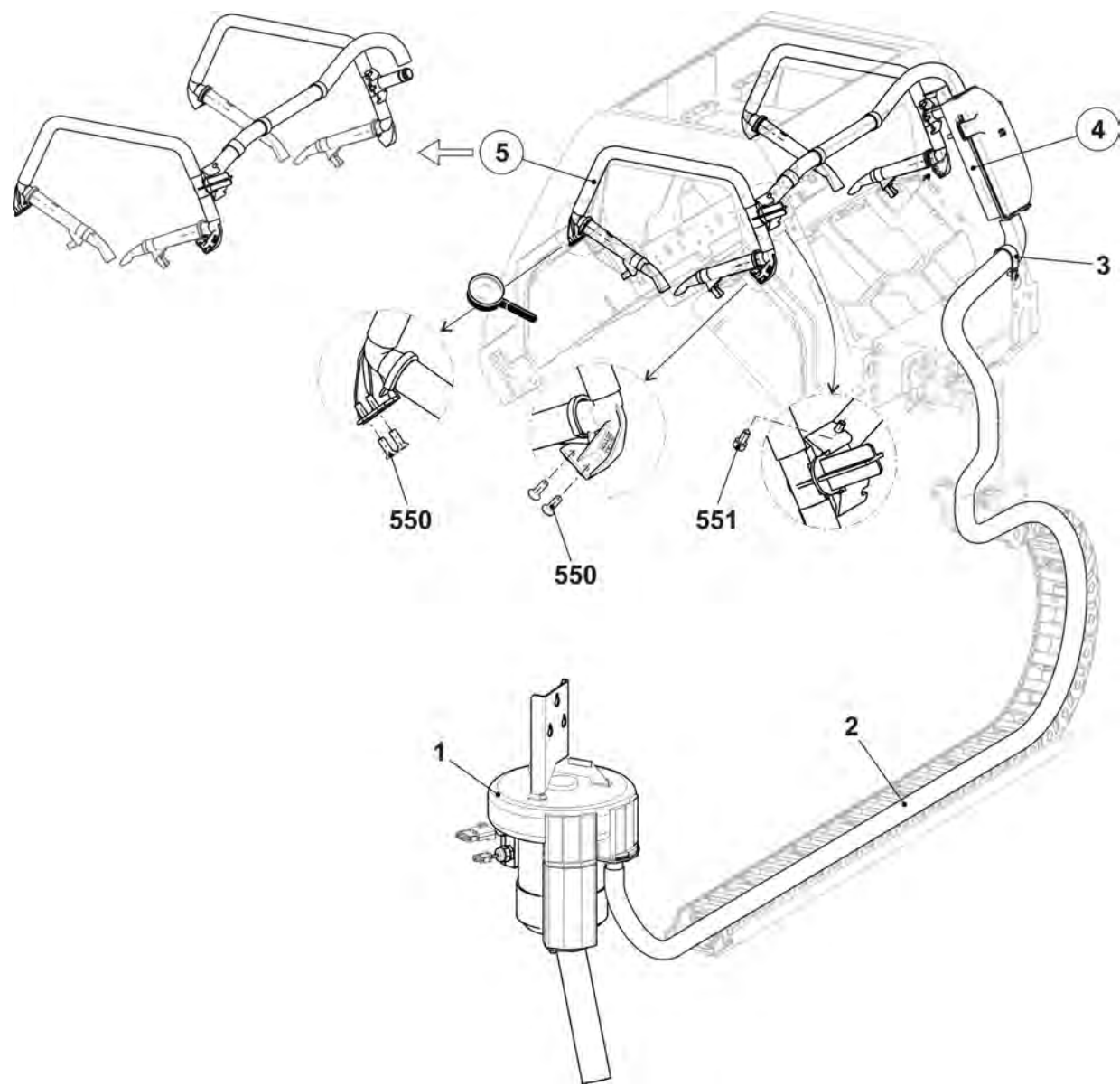


10 Fluff absorption



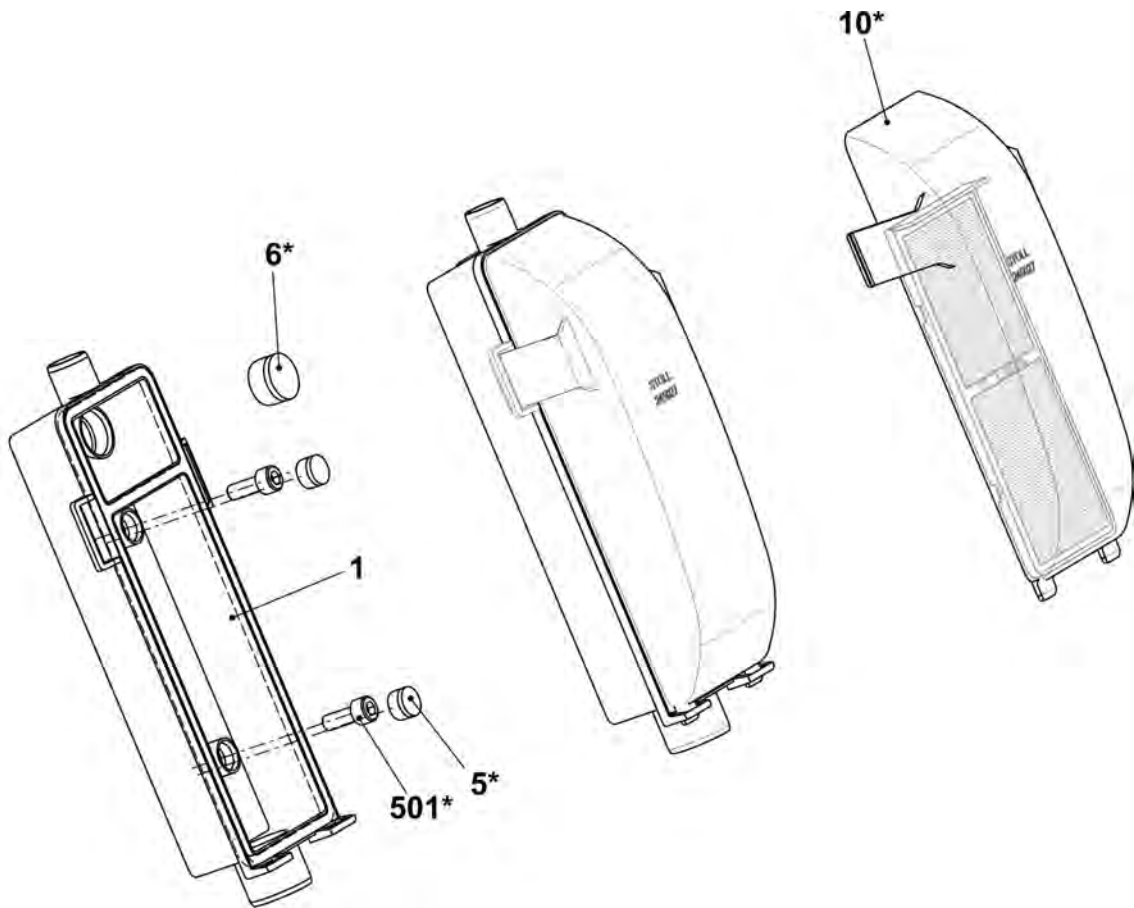
10.1 Fluff absorption

Pos	Designation	Id	Pos	Designation	Id
Σ	Fluff absorption		4	Lint container	245 024
1	Suction fan complete	259 004	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



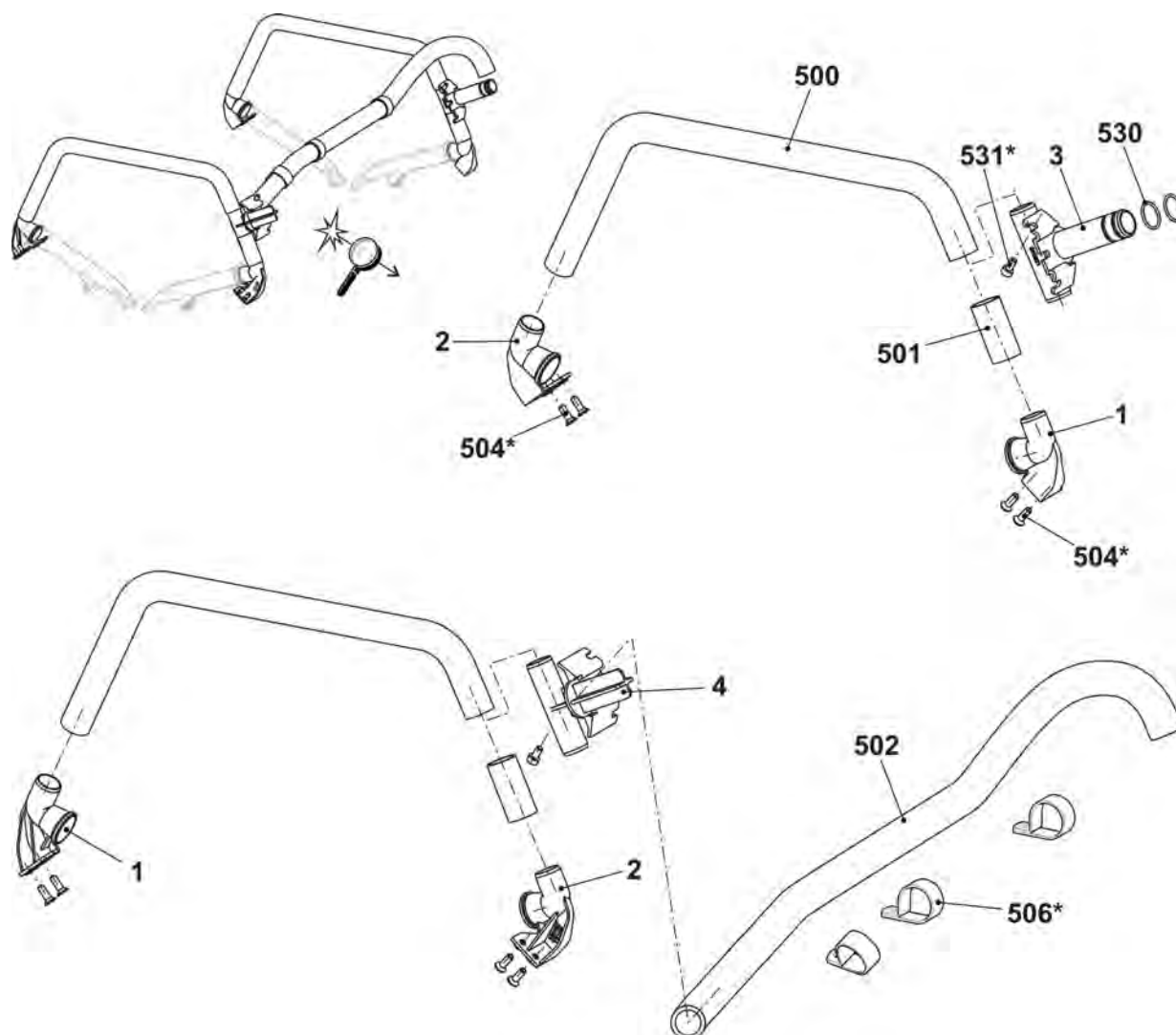
10.1.1 Lint container

Pos	Designation	Id	Pos	Designation	Id
Σ	Lint container		6*	Sealing plug	245 029
1	Lint container	245 024	10*	Cover with filter	251 335
5*	Sealing plug	245 028	501*	Cap screwM6x10	023 690



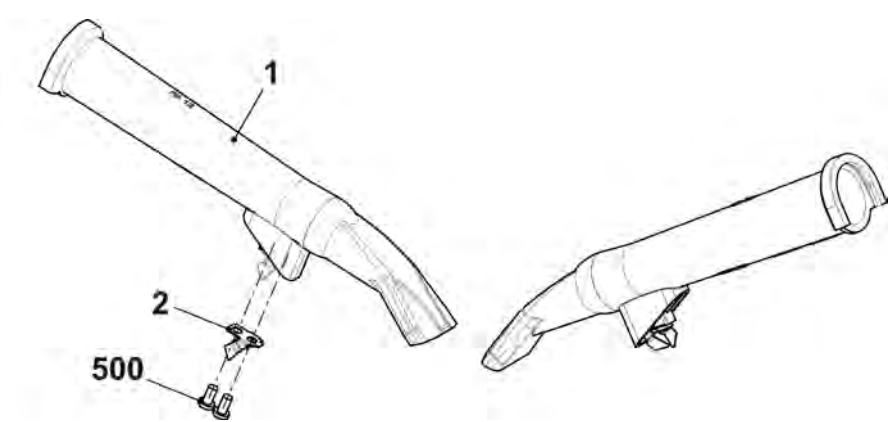
10.1.2 Set of hose

Pos	Designation	ID	Pos	Designation	ID
Σ	Set of hose complete 530/520C	251 339	500	Suction hose 20x16x400	244 983
1	Angle connection on the right	250 121	501	Suction hose 20x16x40	251 043
2	Angle connection on the left	251 101	502	Suction hose 20x16x570	251 044
3	T-piece FLENT	245 021	504*	Countersunk head screw M4x12	023 062
	530 O-ring 15x1,5	250 054	506*	Cable clip	250 051
4	Connection piece Flent	245 022	531*	Cap screw M4x8	022 501



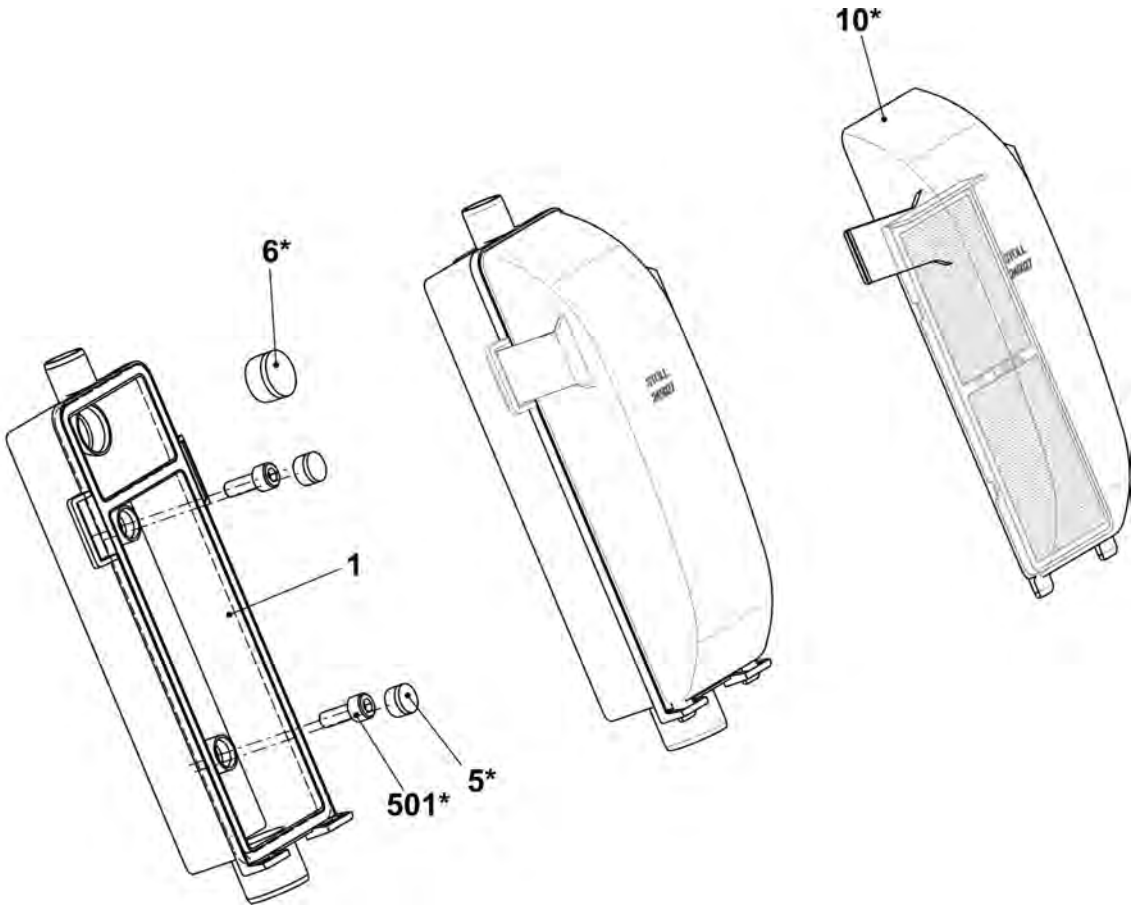
10.1.3 Suction tube

Pos	Designation	Id	Pos	Designation	Id
Σ	Suction tube complete E5-14	251 313	2	Bracket	255 628
1	Suction tube	255 605	500	Screw KB30x6	241 424

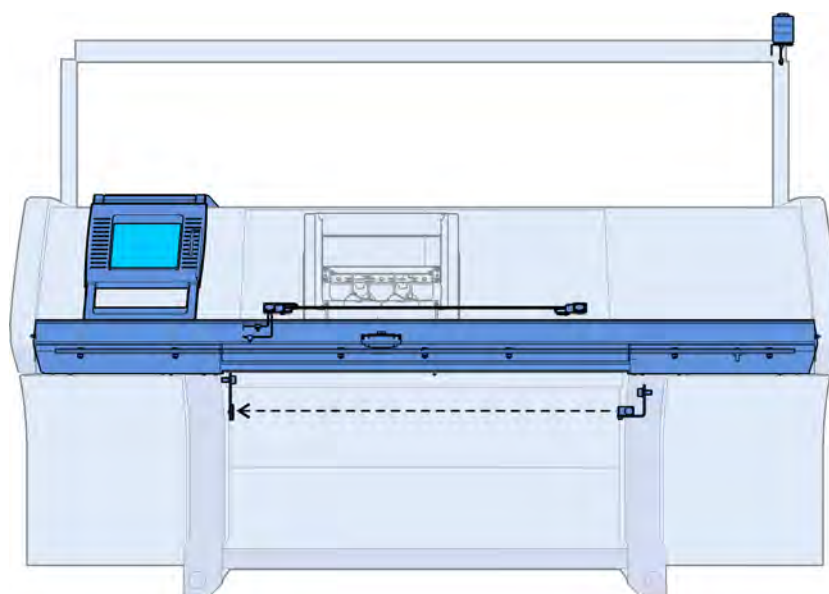


10.1.4 Lint container

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

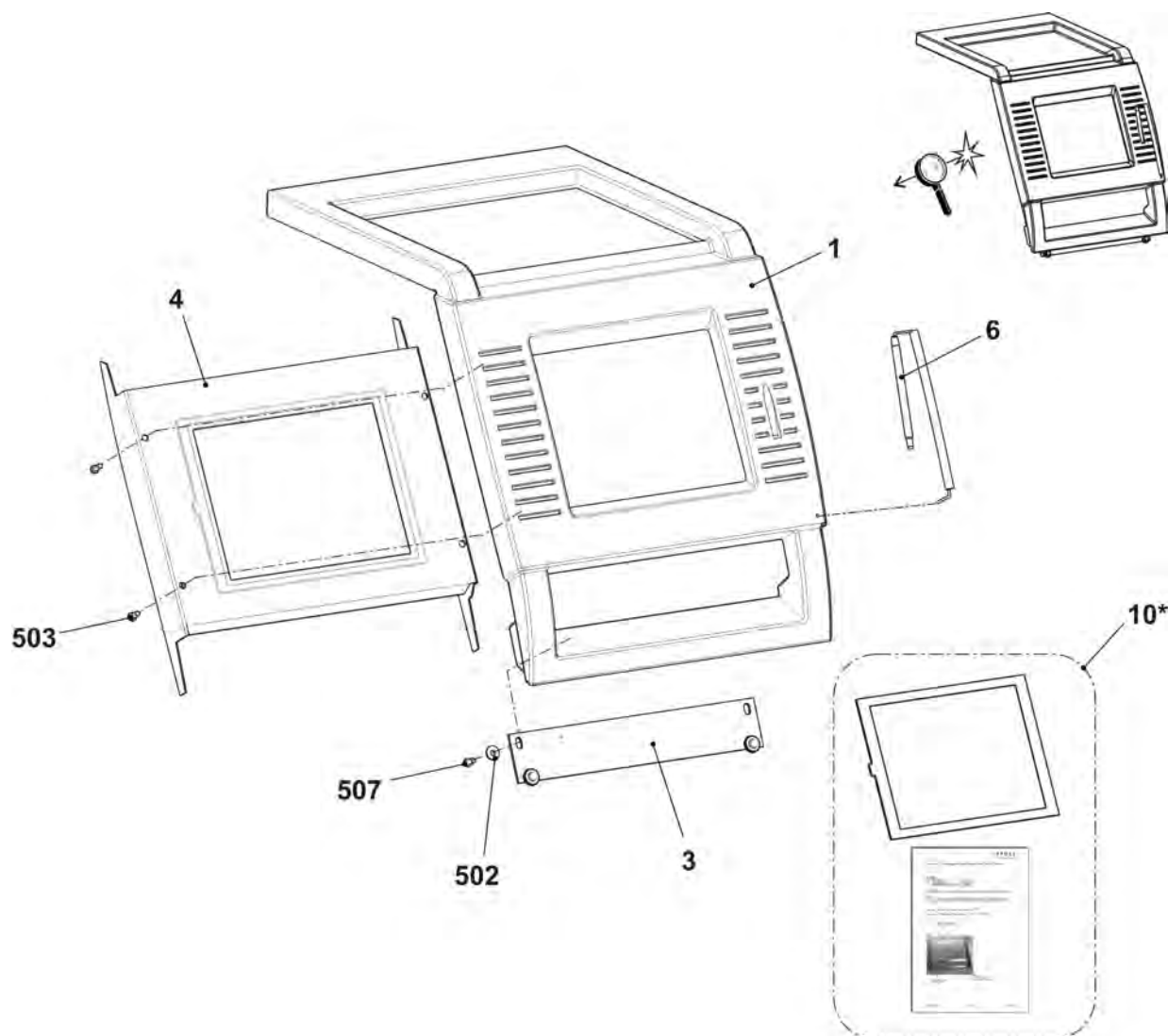


11 Operation and control



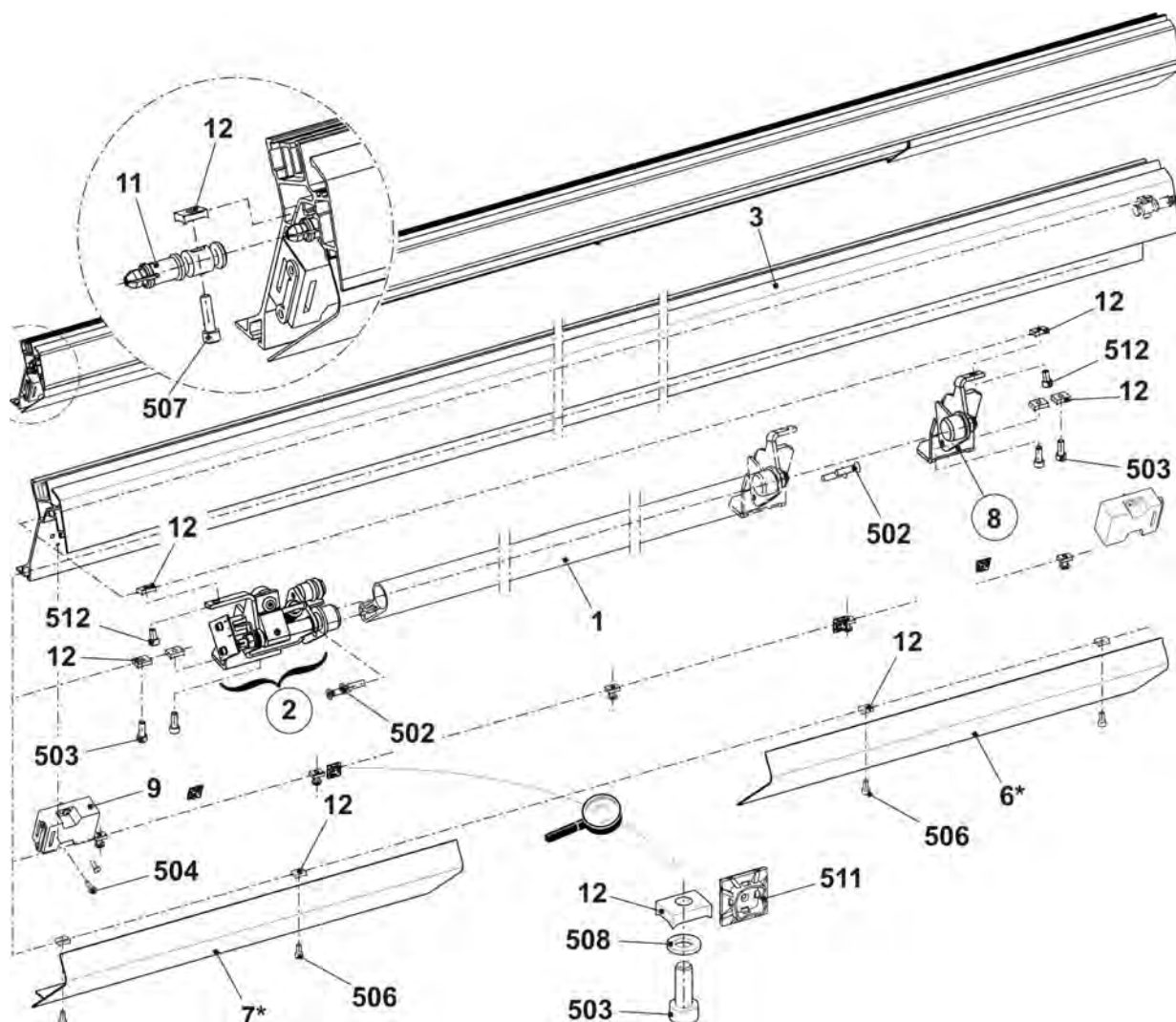
11.1 Input unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Input unit complete	240 194			
1	Base frame	240 195	10*	Touch panel spare parts package	244 554
3	Bearing strip complete	240 198	502	Washer	020 901
4	Display touch complete	250 298	503	Screw KB 50x12	240 359
6	Touch pen	242 812	507	Screw KB 50x15	251 728



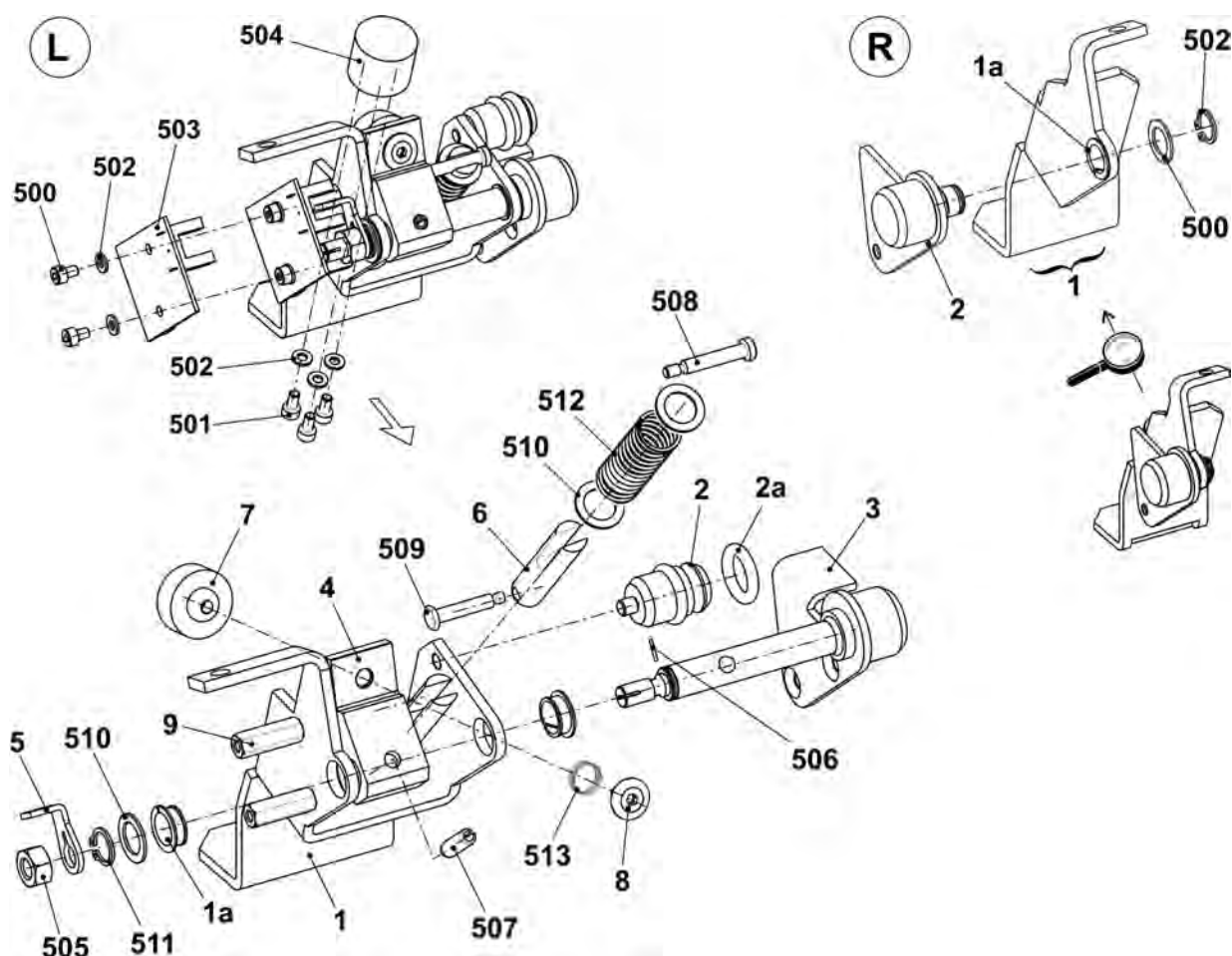
11.2 Starting device

Pos	Designation	Id	Pos	Designation	Id
Σ	Starting device complete	240 306	12	Sliding nut (slot nut)	225 099
1	Engaging rod	240 227	502	Screw M6x25	023 510
2	Bearing on the left complete	250 071	503	Cap screw M6x16	020 135
3	Guide rail at the bottom complete	257 309	504	Pan-head screw M5x14	023 588
6*	Cover plate on the right	250 931	506	Cap screw M6x12	020 134
7*	Cover plate on the left	250 932	507	Cap screw M6x20	020 136
8	Bearing on the right complete	252 964	508	Washer	020 872
9	Switch with cable to safety doors	223 350	511	Cable holder	262 037
11	Locating bolt	219 107	512	Cap screw M6x10	023 690



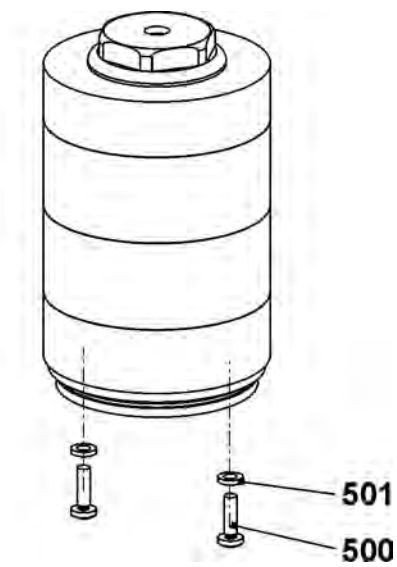
11.2.1 Bearing of the engaging rod

Pos	Designation	Id. no.	Pos	Designation	Id. no.
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M8-6	020 838
1a	Clip bearing MCM 12-04	023 639	506	Dowel pin 1,5x8	236 923
2	Support of buffer	220 561	507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237	508	Shoulder screw M4x24,8x7,7	240 299
3	Shaft on the left	245 219	509	Shoulder screw	251 316
4	Rotor	253 776	510	Shim ring 12x18x1	023 315
5	Switch flag	245 220	511	Retaining ring 12x1	020 951
6	Spring mandrel	251 340	512	Compression spring 1,25x15x98,2	023 609
7	Disk	245 222	513	Compression spring 0,5x11x20,21	265 082
8	Shoulder screw	254 528			
9	Distance bolt	240 287	R	Bearing on the right complete	252 964
500	Cap screw M4x6	023 067	1	Bearing on the right	240 230
501	Cap screw M4x8	022 501	1a	Clip bearing MCM 12-04	023 639
502	Shim ring 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	259 000	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Retaining ring 12x1	020 951



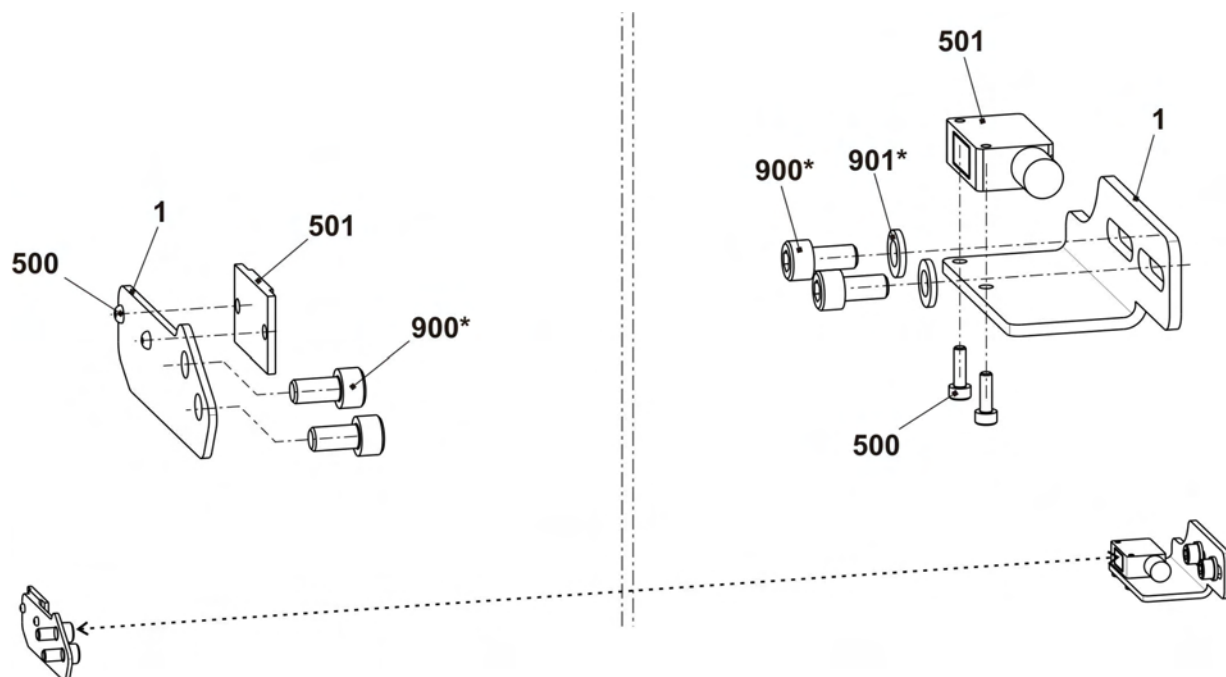
11.3 Signal light

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				



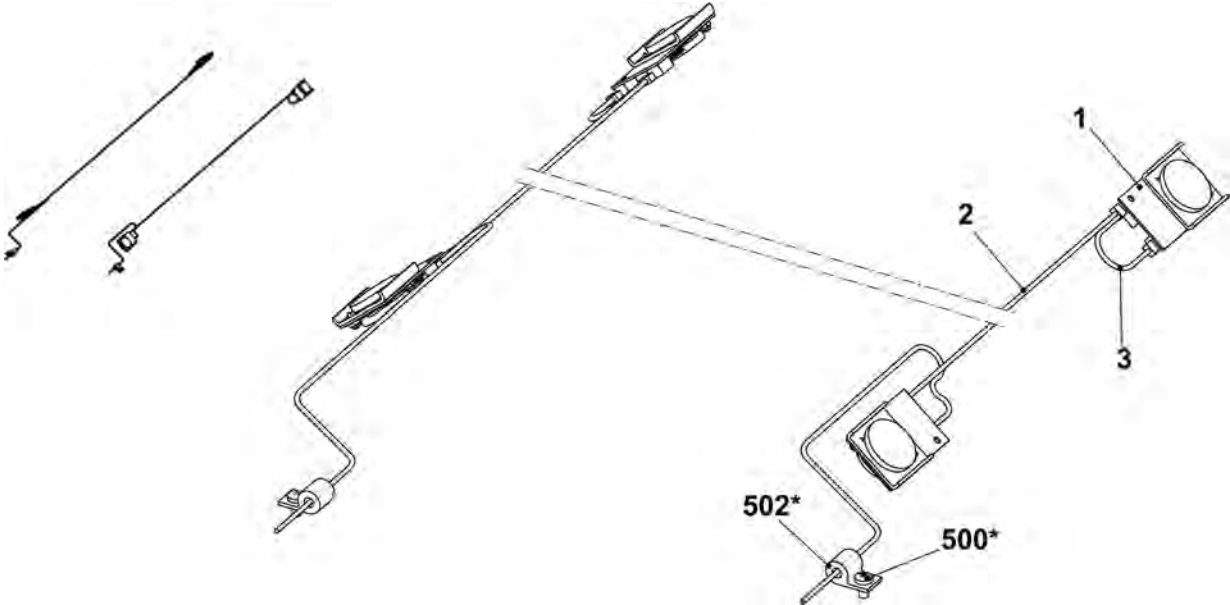
11.4 Control of Collecting Area

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 WI100-P4330	243 355
900*	Cap screw M6x12	020 134	900*	Cap screw M6x12	020 134
			901*	Washer 6	020 872



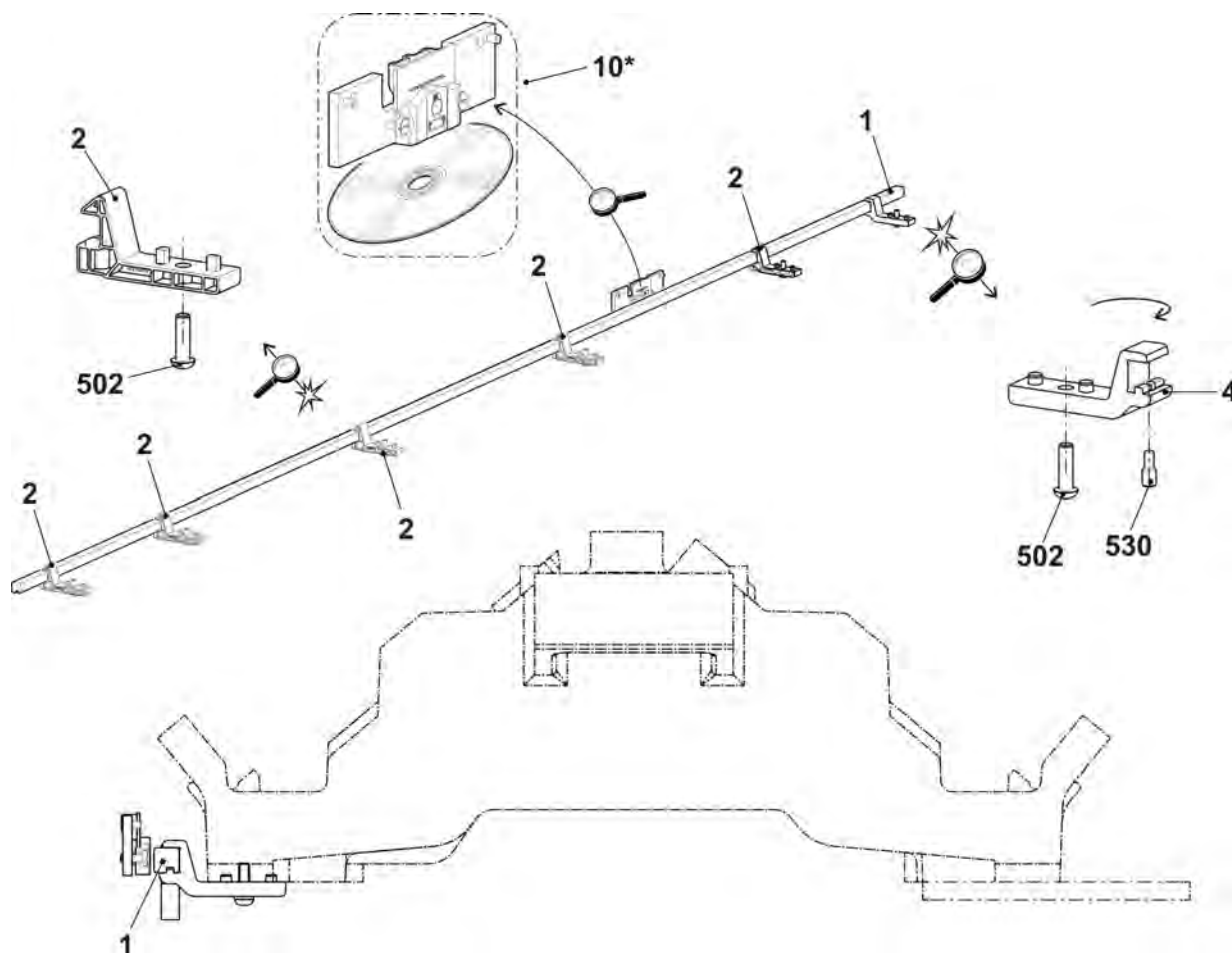
11.5 Shock stop motion E3-4

Pos	Designation	ID	Pos	Designation	ID
Σ	Shock stop motion complete E3 E4	224 242	3	End plug piezo sensor	220 062
1	Shock stop motion (Piezo)	220 011	500*	Pan-head screw M4x8	023 036
2	Connecting cable piezo sensor	220 061	502*	Cable clip N-3B, 5 mm	210 729

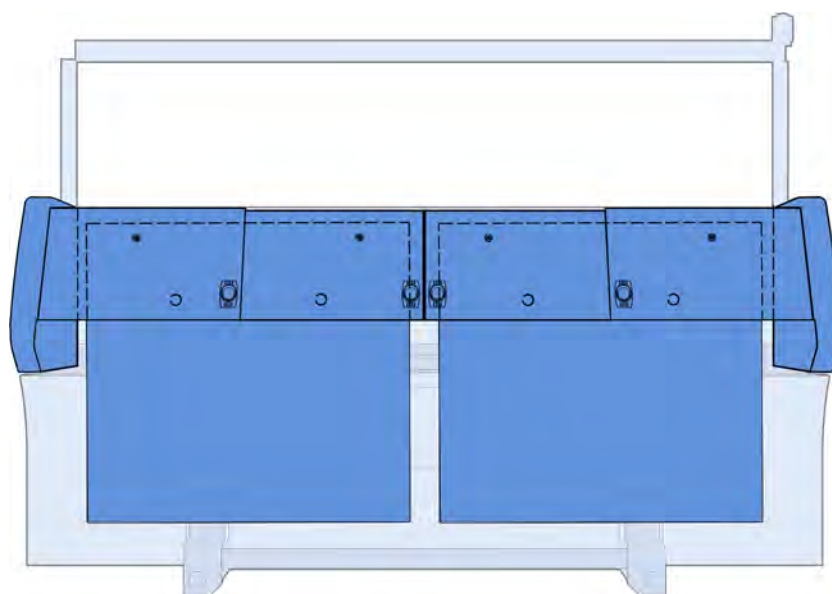


11.6 Measuring device

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

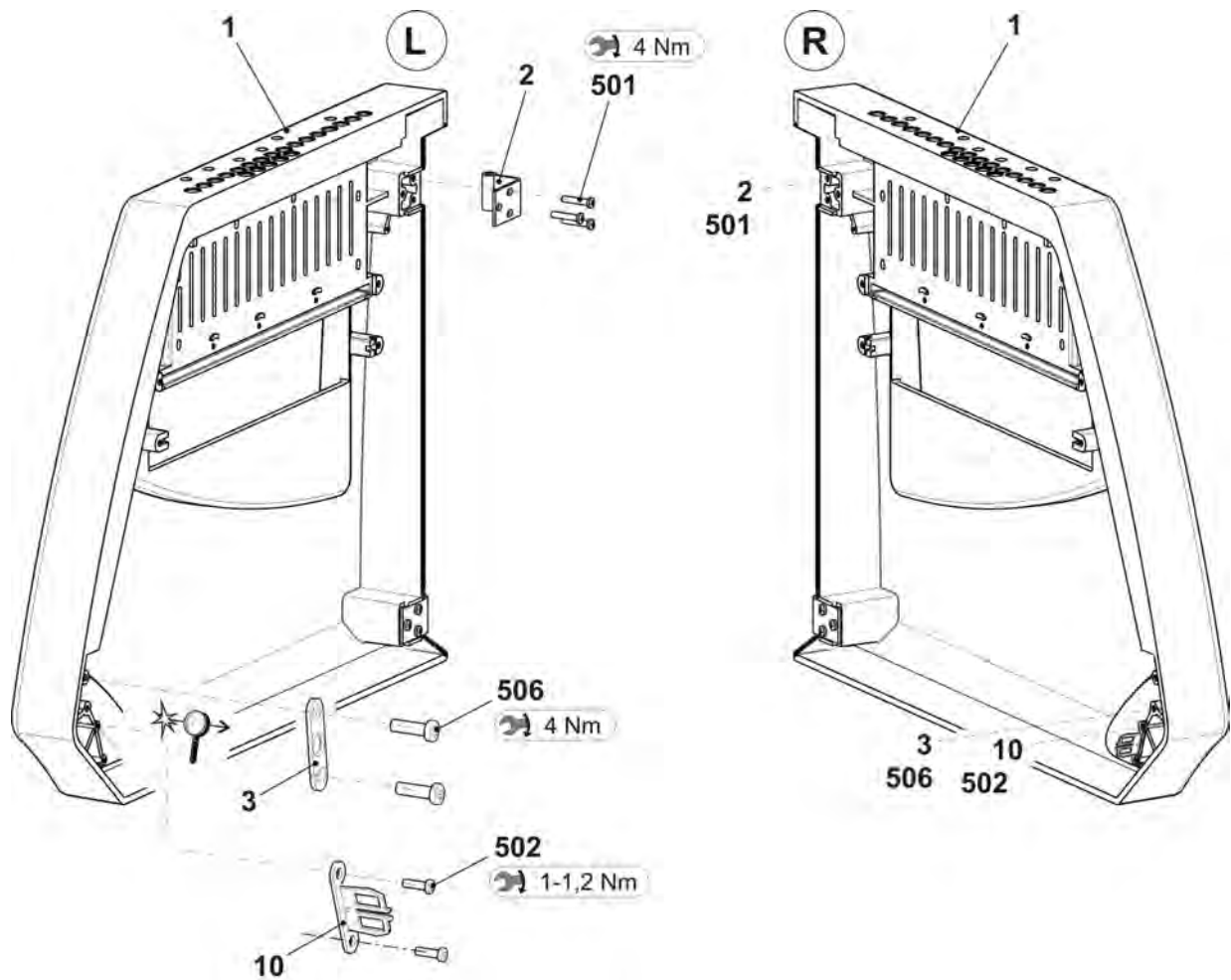


12 Protective devices



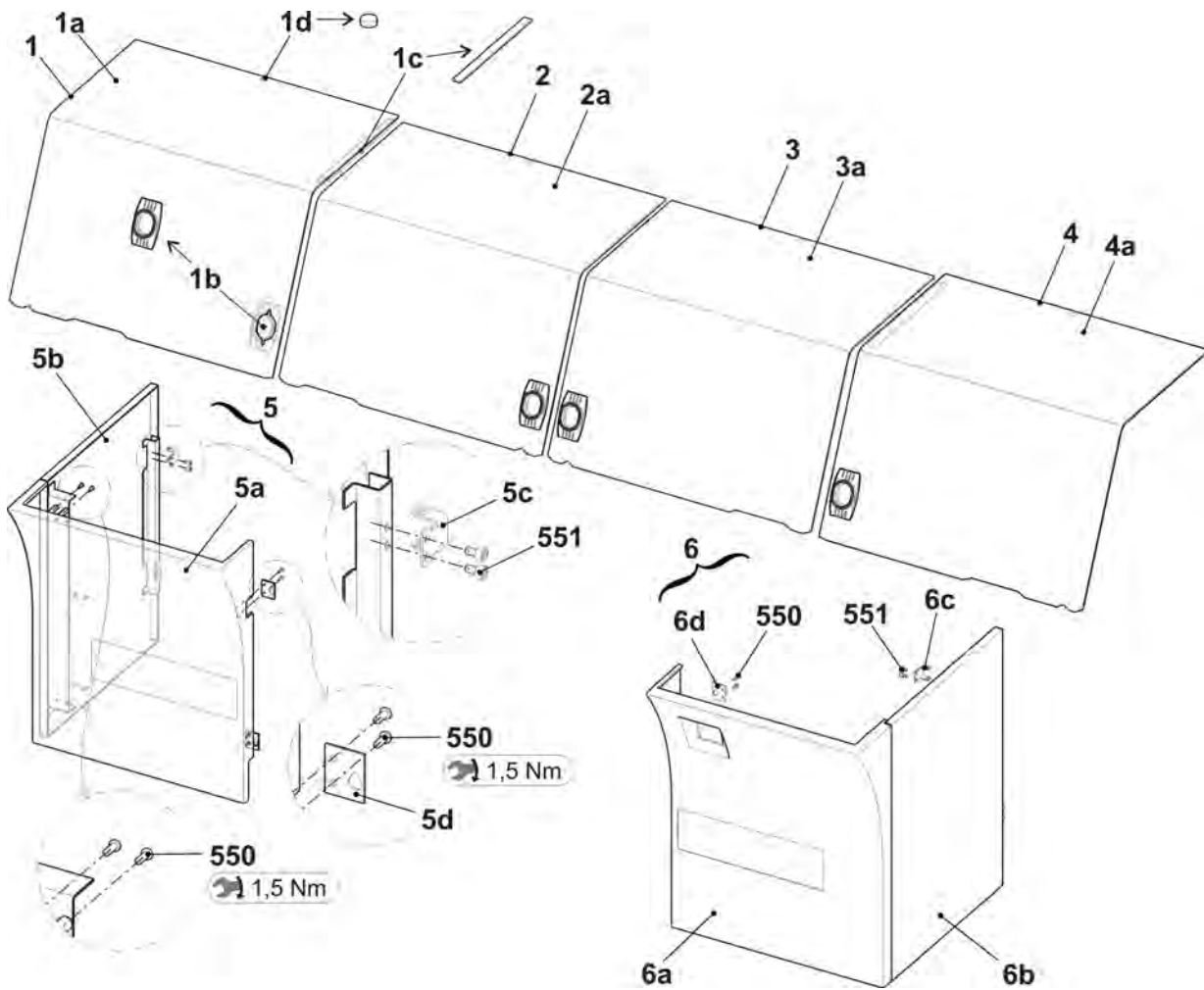
12.1 Lateral safety doors

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



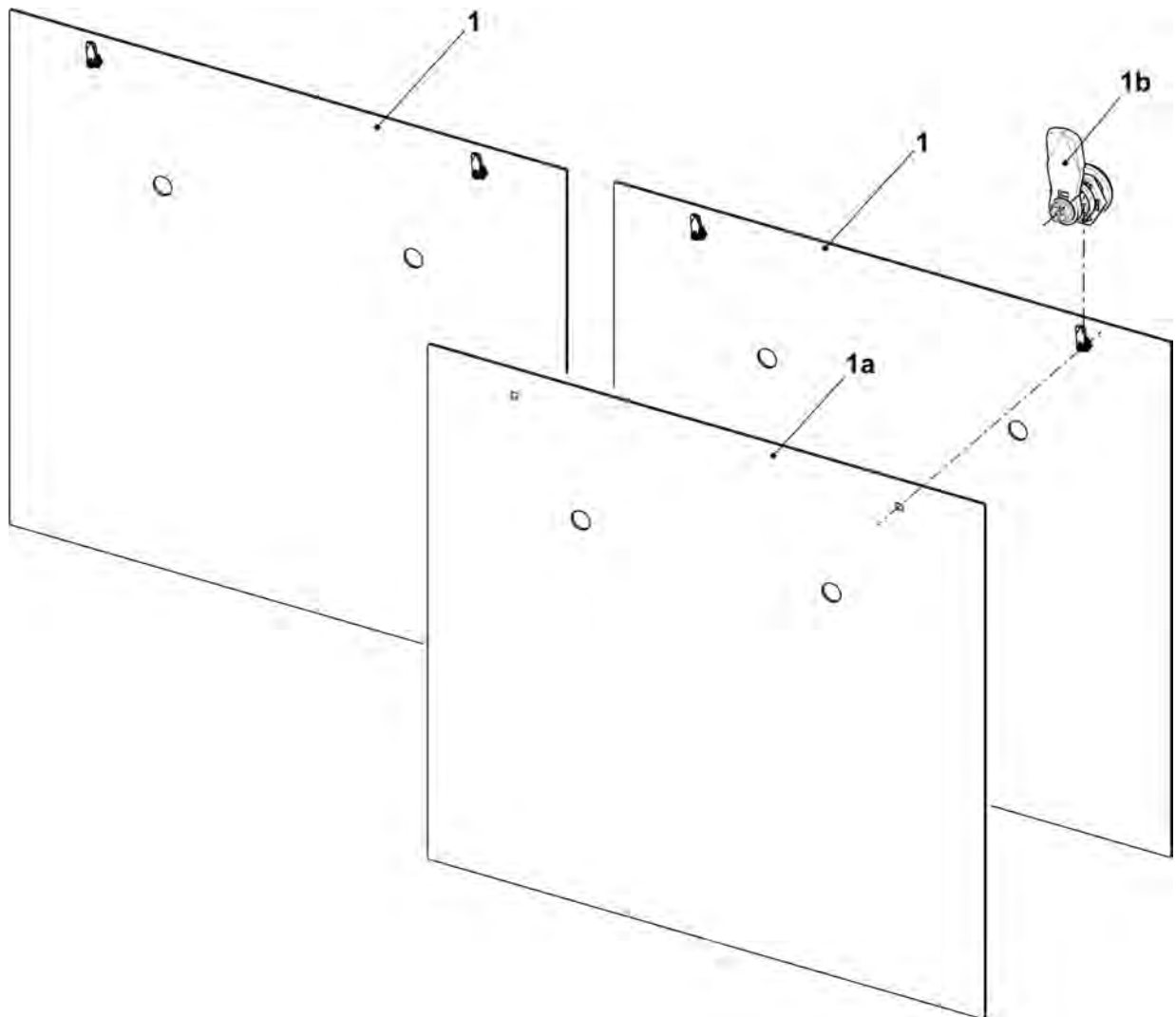
12.2 Panelling

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

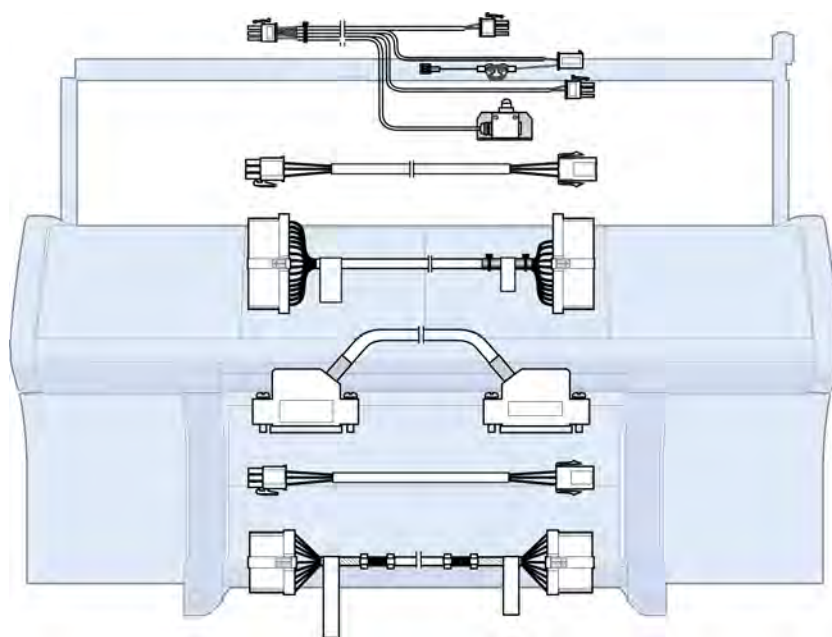


12.3 Rear panel

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



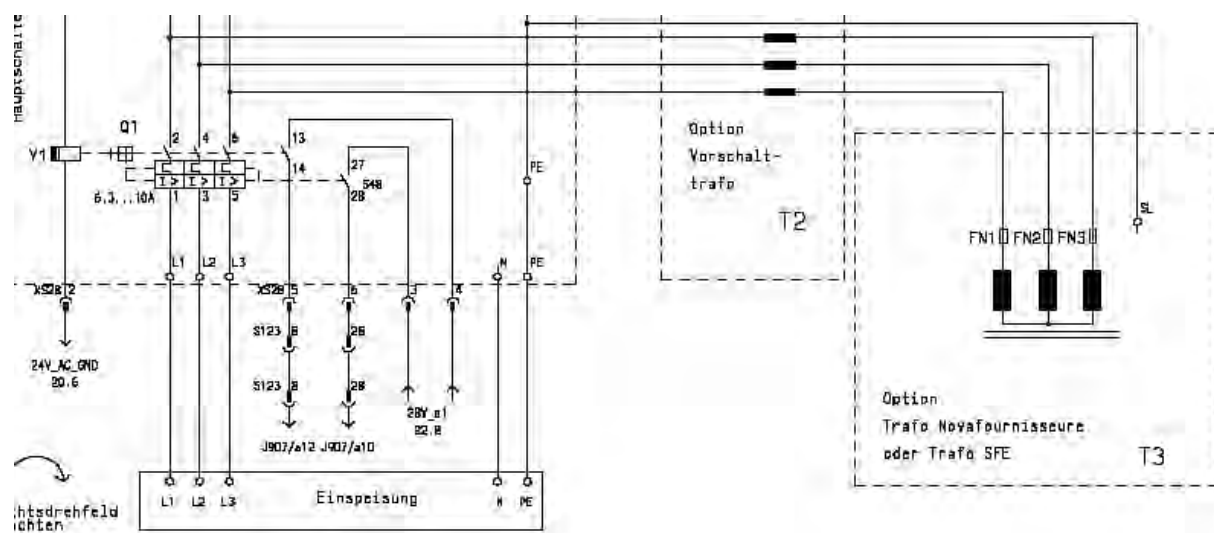
13 Electrical equipment



13.1 Circuit diagram (222) as PDF

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

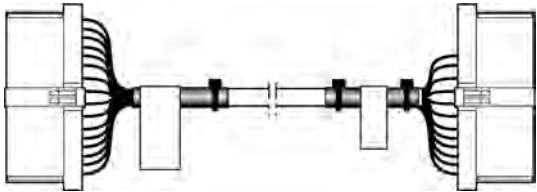
You will find the circuit diagram 222 on the CMS documentation DVD with the ID no. 257 157



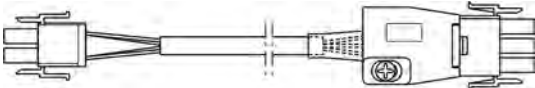
13.2 Fuses

	Designation	Id
	Fuse 1,0A F 5x20	008 748
	Fuse 3,15A T/440V 6,3x32	025 261
	Fuse 10A T/440V 6,3x32Fuse	025 258
	Fuse 2,5A T/440V 6,3x32	217 465
	Fuse 1,6A T/440V 6,3x32	236 229
	Fuse 6,3A T/440V 6,3x32	026 809
	Fuse 8A T/440V 6,3x32Fuse	241 866
	Fuse 12,5A T/440V 6,3x32	232 367

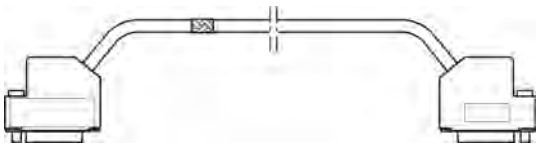
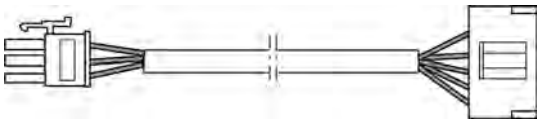
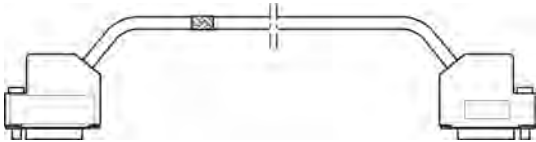
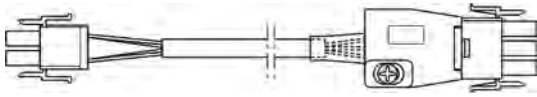
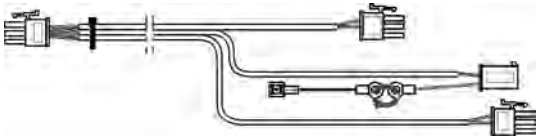
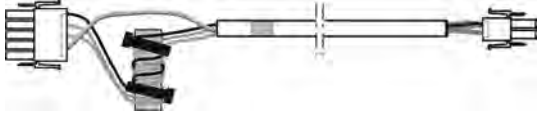
13.3 Trailing cable

Designation		ID	Designation		ID
Σ	Trailing cable set 520HP 1IMP	264 938			
	Cable carriage at the rear XR332 BME2	255 054			
					
Cable carriage at the front XR333 BME2		254 888			
					
			Cable yarn carrier XR161 BME2	254 886	
					
			Cable impulse sensor OH at the rear XR136 520/530 BM2	264 589	
					

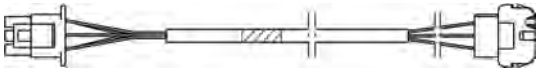
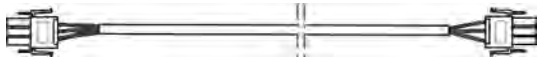
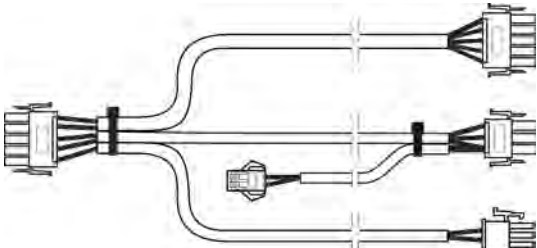
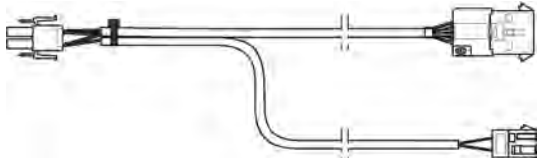
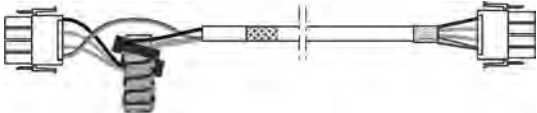
13.4.1 Cable set base 1

Designation		Id	
Σ	Loom of cables base 1 5XX	253 619	
	Cable Engaging rod ECO2	252 538	
			
	Cable feed wheel on the left 50" OKC	240 464	
			

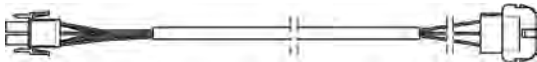
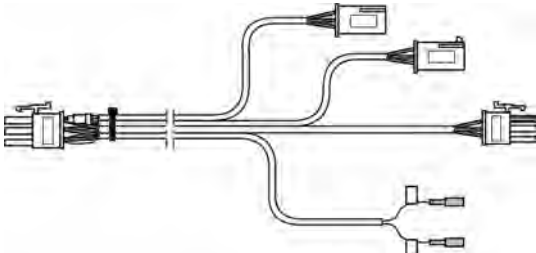
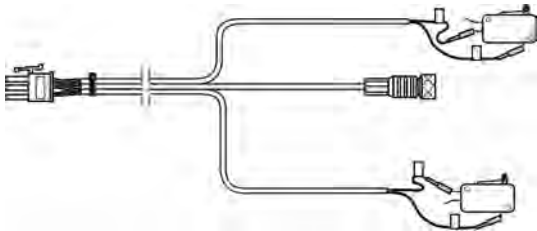
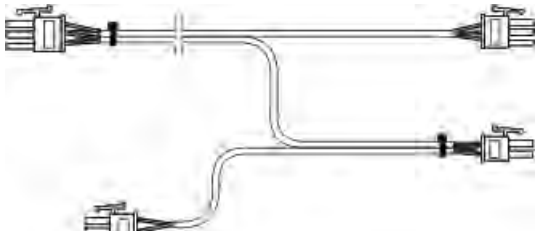
13.4.2 Loom of cables base 2

Designation	Id	Designation	Id
Σ Loom of cables base 2	264 749		
Cable motor HAAB OKC	240 291	Cable resolver drive OKC 3XX	240 296
			
Cable racking limit switch OKC 3XX	240 292	Cable racking motor OKC 3XX	240 297
			
Cable fan drive 3XX OKC	240 293	Cable resolver racking OKC 3XX	240 298
			
Cable Feed wheel on the right OKC 3XX	240 294	Cable protective device on the right OKC	264 751
			
Cable drive motor OKC 3XX	240 295		
			

13.4.3 Loom of cables 5XX

Designation	Id	Designation	Id
Σ Loom of cables 5XX OKC	253 621		
Cable motor auxiliary take-down 50" okc	240 467	Cable power supply unit of mains supply OKC	240 505
			
Cable impulse sensor auxiliary take-down 50" OKC	240 468	Cable switch auxiliary take-down 3xx OKC	240 472
			
Cable power supply WAZ/F 50" OKC	263 686	Cable power supply FLENT 50" OKC	251 231
			
Cable power supply servo 50" OKC	240 502		
			

13.4.4 Loom of cables comb

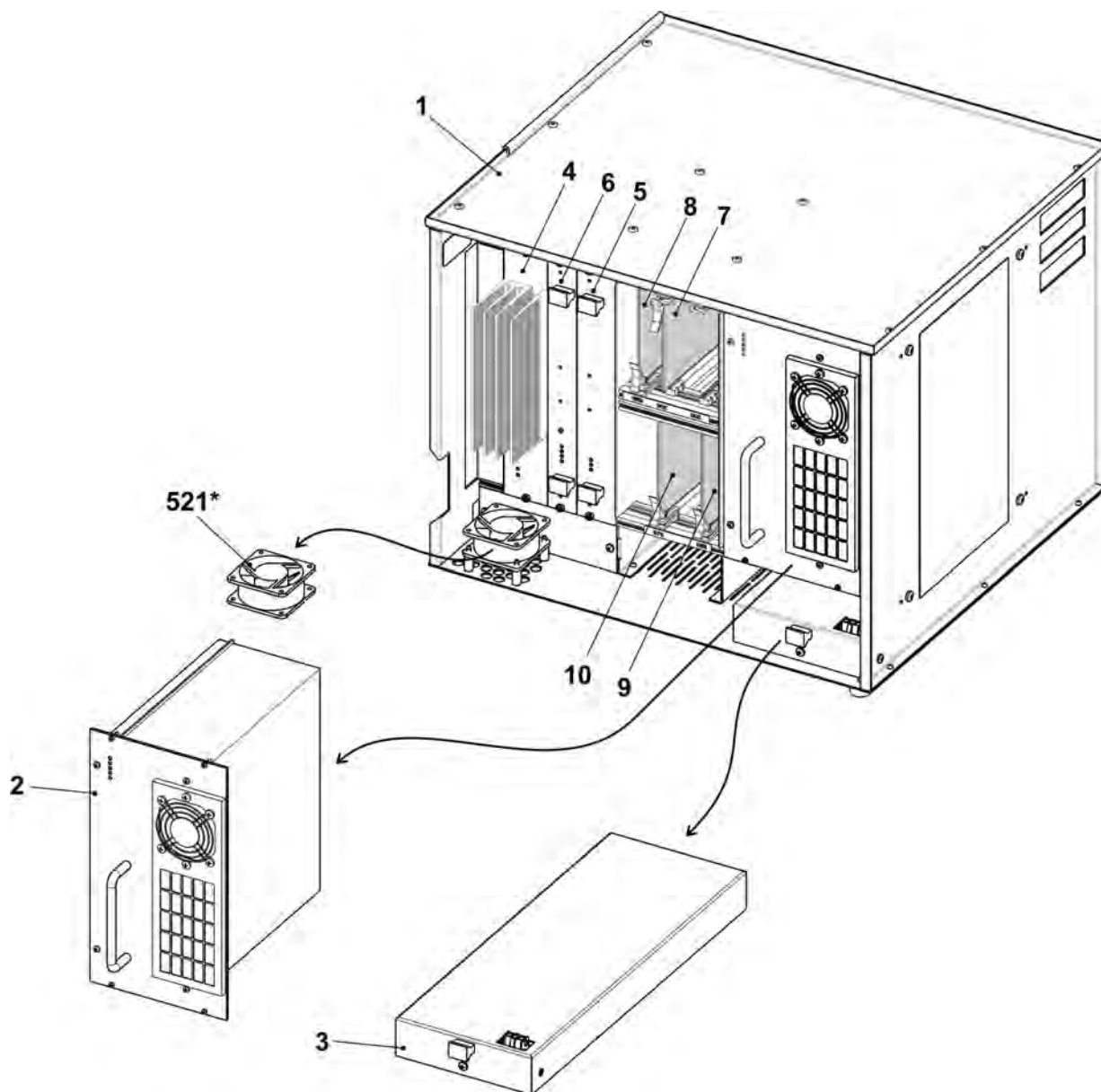
Designation	Id	Designation	Id
Σ Loom of cables comb OKC	240 259		
Cable motor comb hookOKC	240 308	Cable switch combOKC	240 311
			
Cable switch KAHA OKC	240 309	Cable switch HAAB OKC	240 312
			
Cable motor combOKC	240 310		
			

14 Control electronics

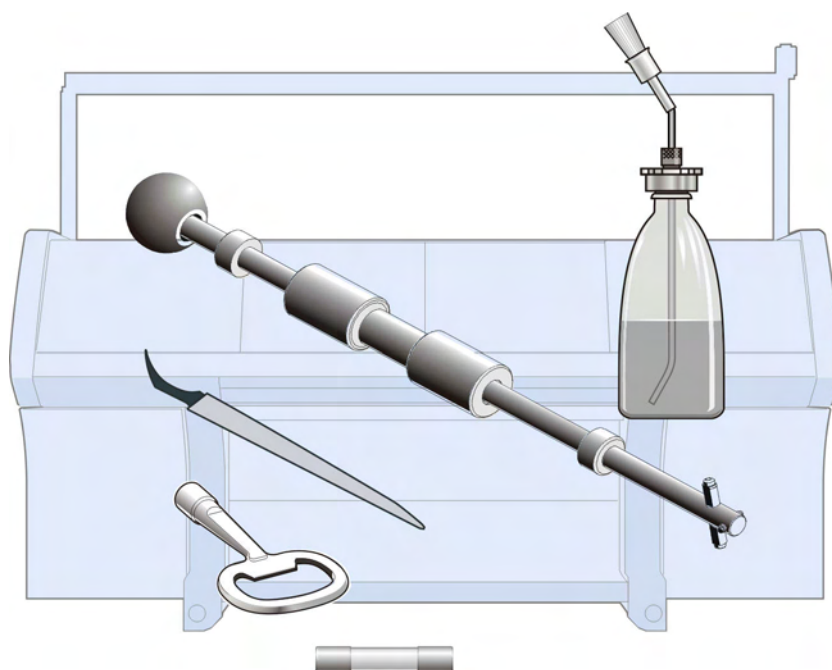


14.1 Control cabinet

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit on the right complete 520	263 960	6	Card BIO 2	301 012
1	Control unit without equipment 5XX PP	260 576	7	Card final stages 4SM 7TE	300 943
2	Power supply unit CG54 1-Kanal	300 923	8	Card N-CPU 432	300 965
3	Battery plug-in unit	301 008	9	Card Power CPU B	301 009
4	Card Servo 6	301 000	10	Card IPC P9X S 01	264 480
5	Card C-WAZ ECO2	301 006	521*	Axial flow fan Servo 5	229 059



15 Deliverable accessories

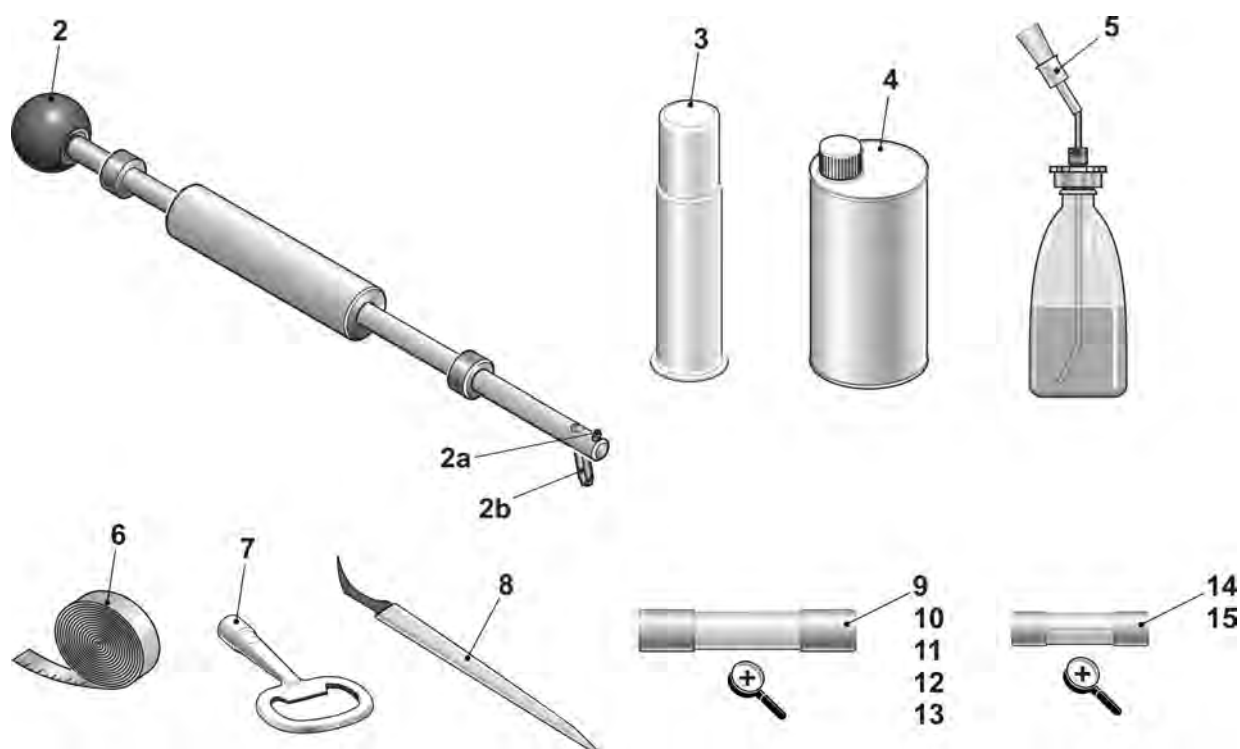


You can order the following tools, lubricants and expendables.

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

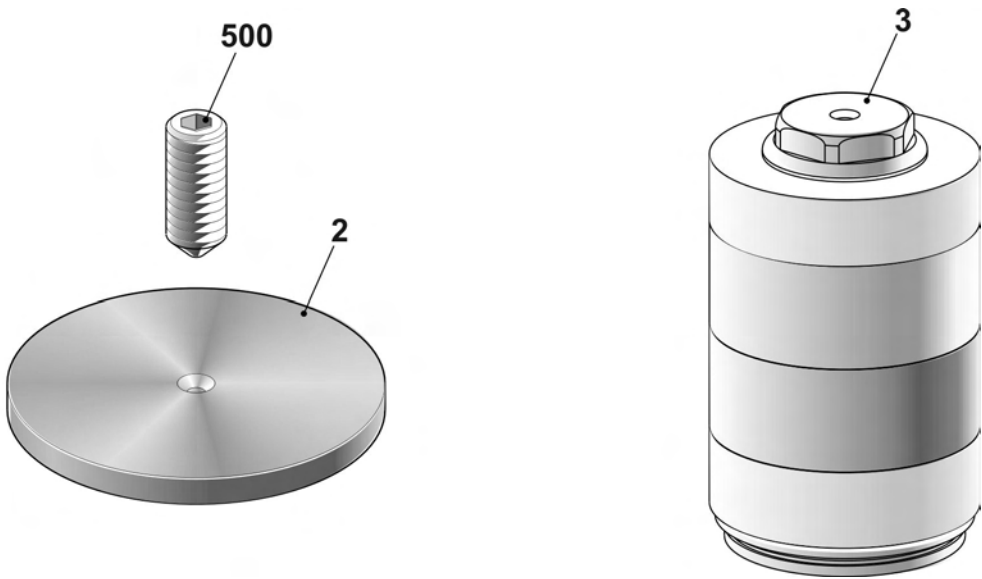
15.1 Accessories part 1

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories standard part 1	265 182			
2	Extraction hook	232 027	8	Working hook	227 249
2a	Small pin	202 843	9	Fuse 3,15A T/440V 6,3x32	025 261
2b	Pin	232 022	10	Fuse 6,3A T/440V 6,3x32	026 809
3	Grease OKS 475, 150g	005 351	11	Fuse 10A T/440V 6,3x32Fuse	025 258
4	Silvertex T 46, 1l	230 614	12	Fuse 2,5A T/440V 6,3x32	217 465
5	Oil combifix	216 732	13	Fuse 1A T/440V 6,3x32	209 321
6	Measuring tape L=150cm	228 180	14	Fuse 1,6A T 5x20	008 715
7	Key of switch cabinet	009 346	15	Micro fuse F1,0A	008 748

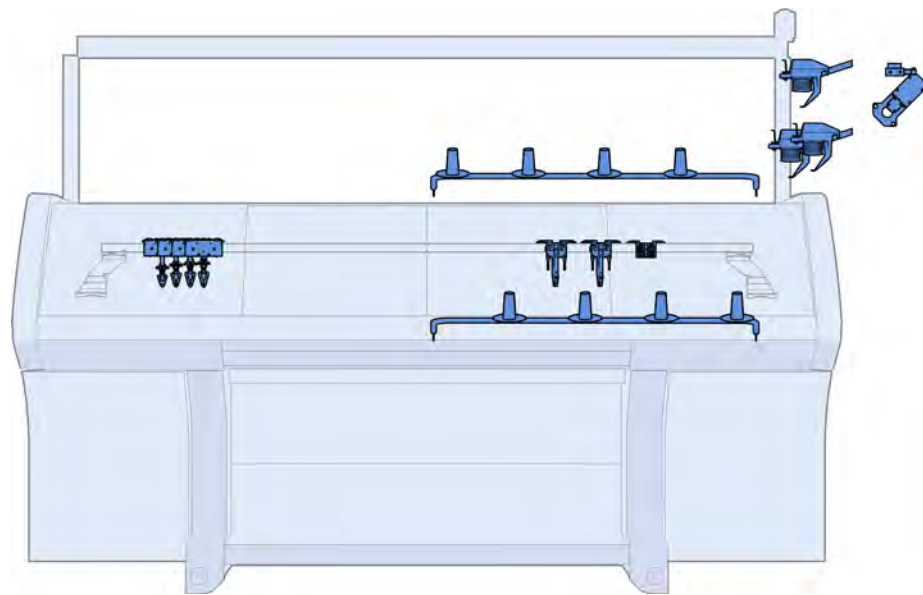


15.2 Accessories part 2

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories standard part 2	265 182	3	Signal lightLED	240 395
2	Shim	056 569	500	Setscrew M16x40	244 061

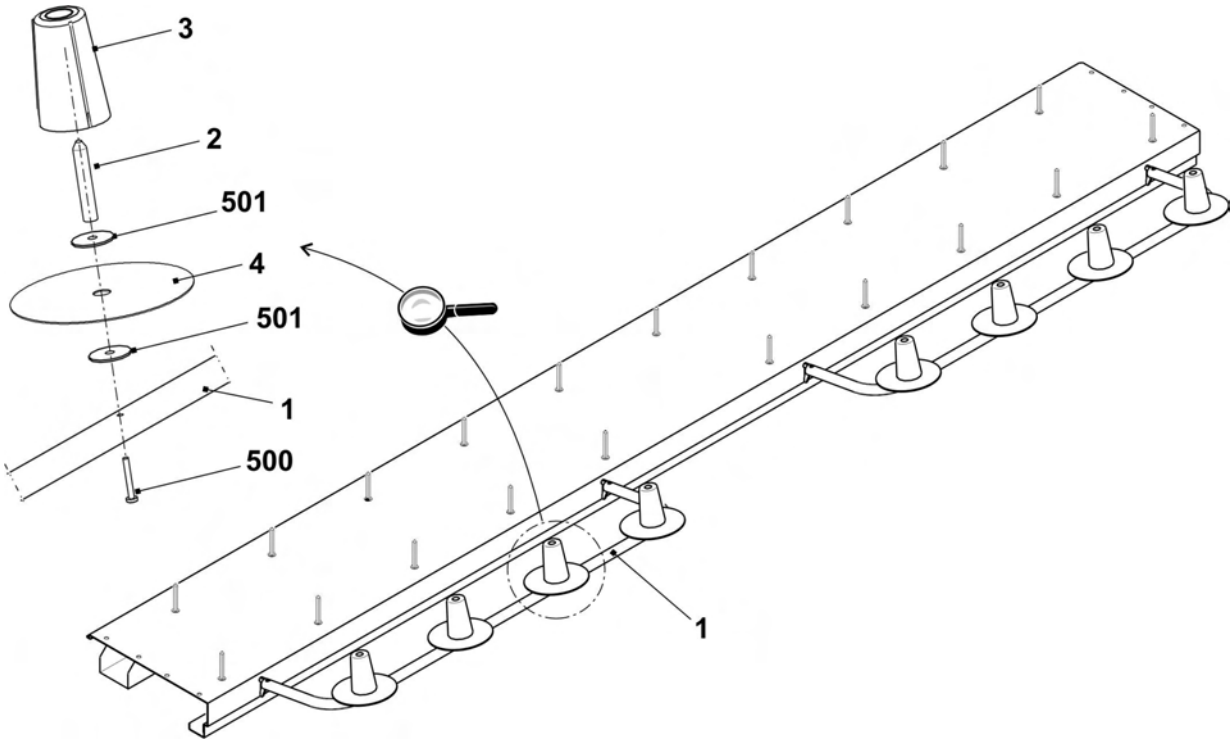


16 Special attachments



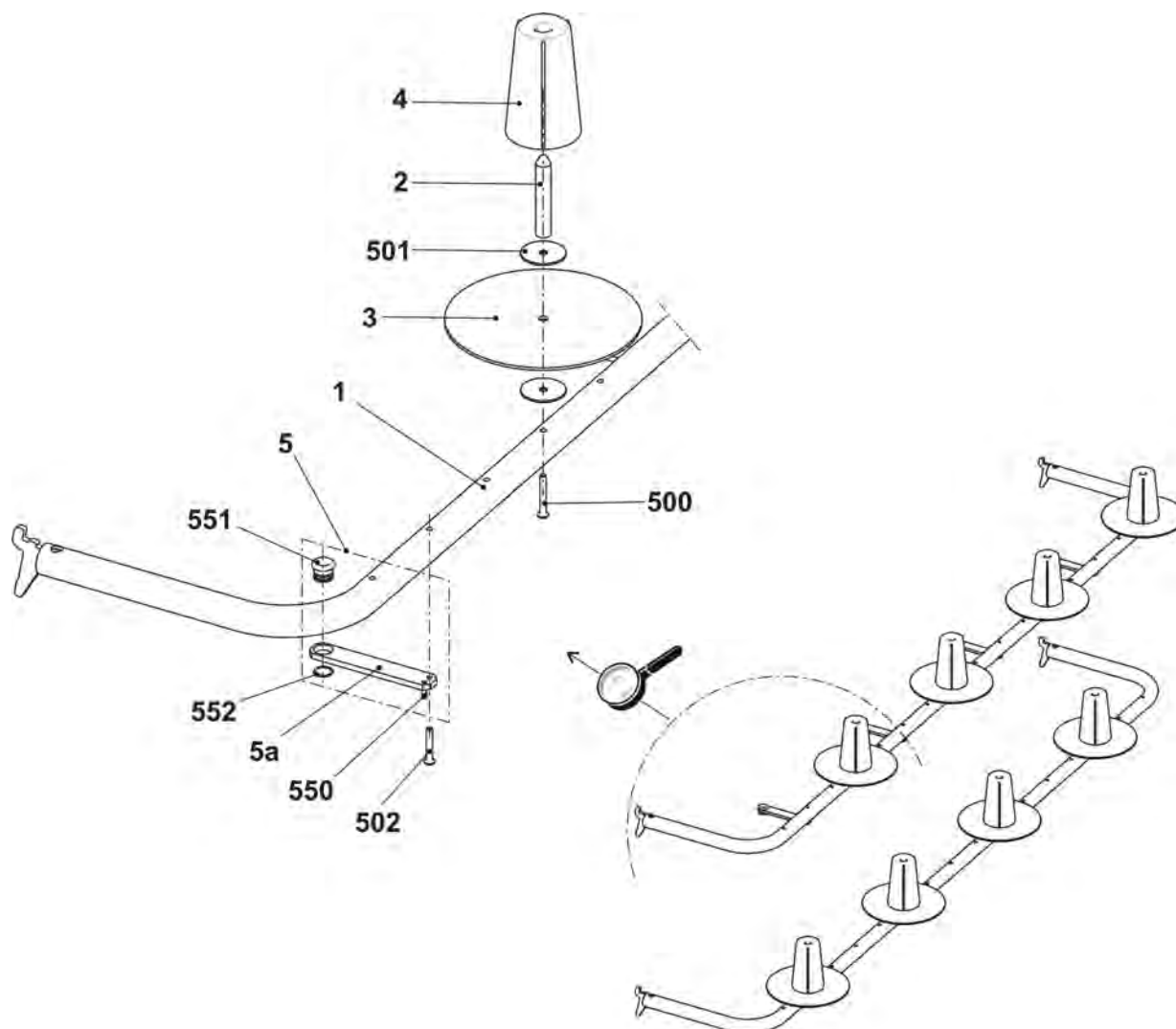
16.1 Additional bobbin board

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



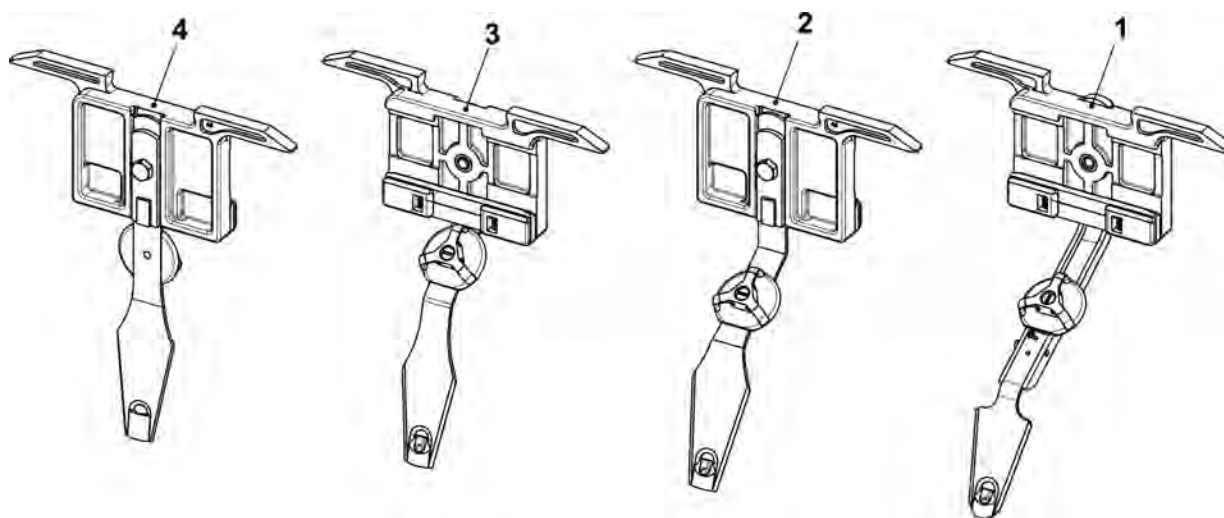
16.2 Additional bobbin board (top, bottom)

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



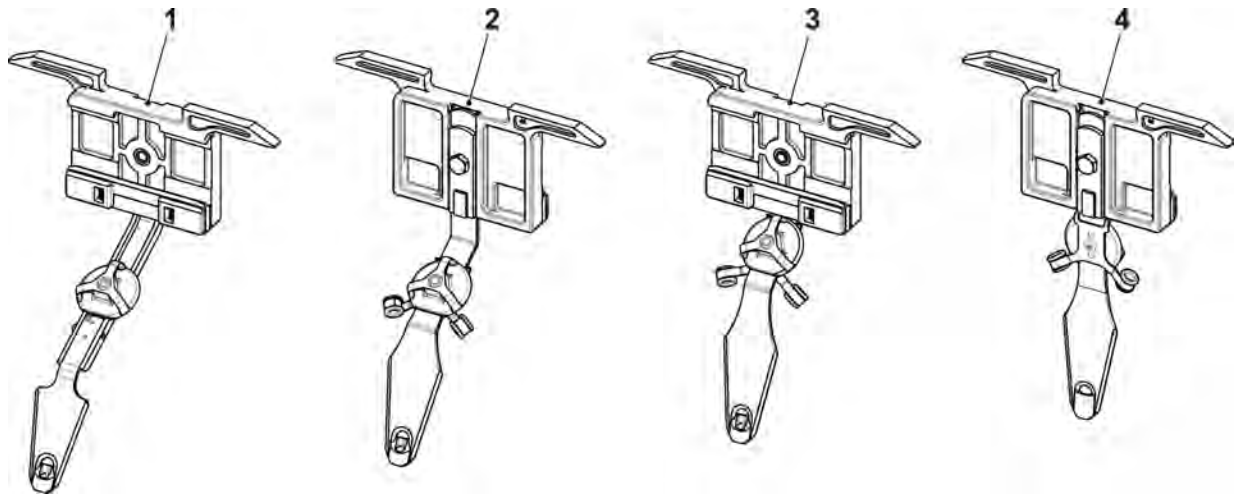
16.3 Yarn carrier carriage

Pos	Designation	ID	Pos	Designation	ID
1	Yarn carrier carriage 1+8 complete	217 486	3	Yarn carrier carriage 3+6 complete	217 488
2	Yarn carrier carriage 2+7 complete	217 487	4	Yarn carrier carriage 4+5 complete	217 489



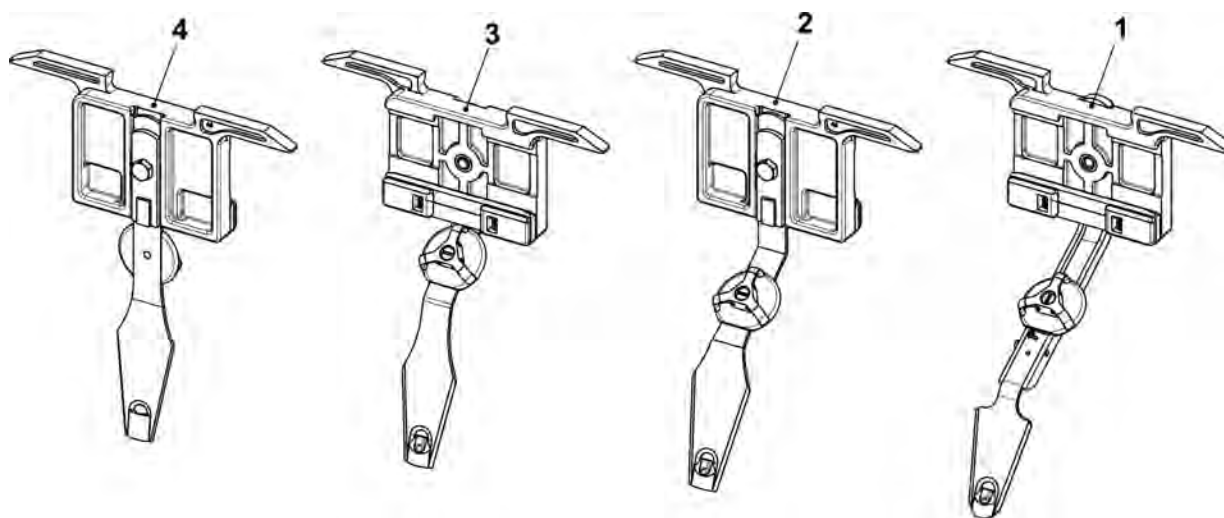
16.4 Complete yarn carriers

Pos	Designation	Track	ID	Pos	Designation	Track	ID
1	FF carriage 1+8 complete E3-4	1+8	217 486	3	FF carriage 3+6 complete E3-4	3+6	262 387
2	FF carriage 2+7 complete E3-4	2+7	262 386	4	FF carriage 4+5 complete E3-4	4+5	262 388



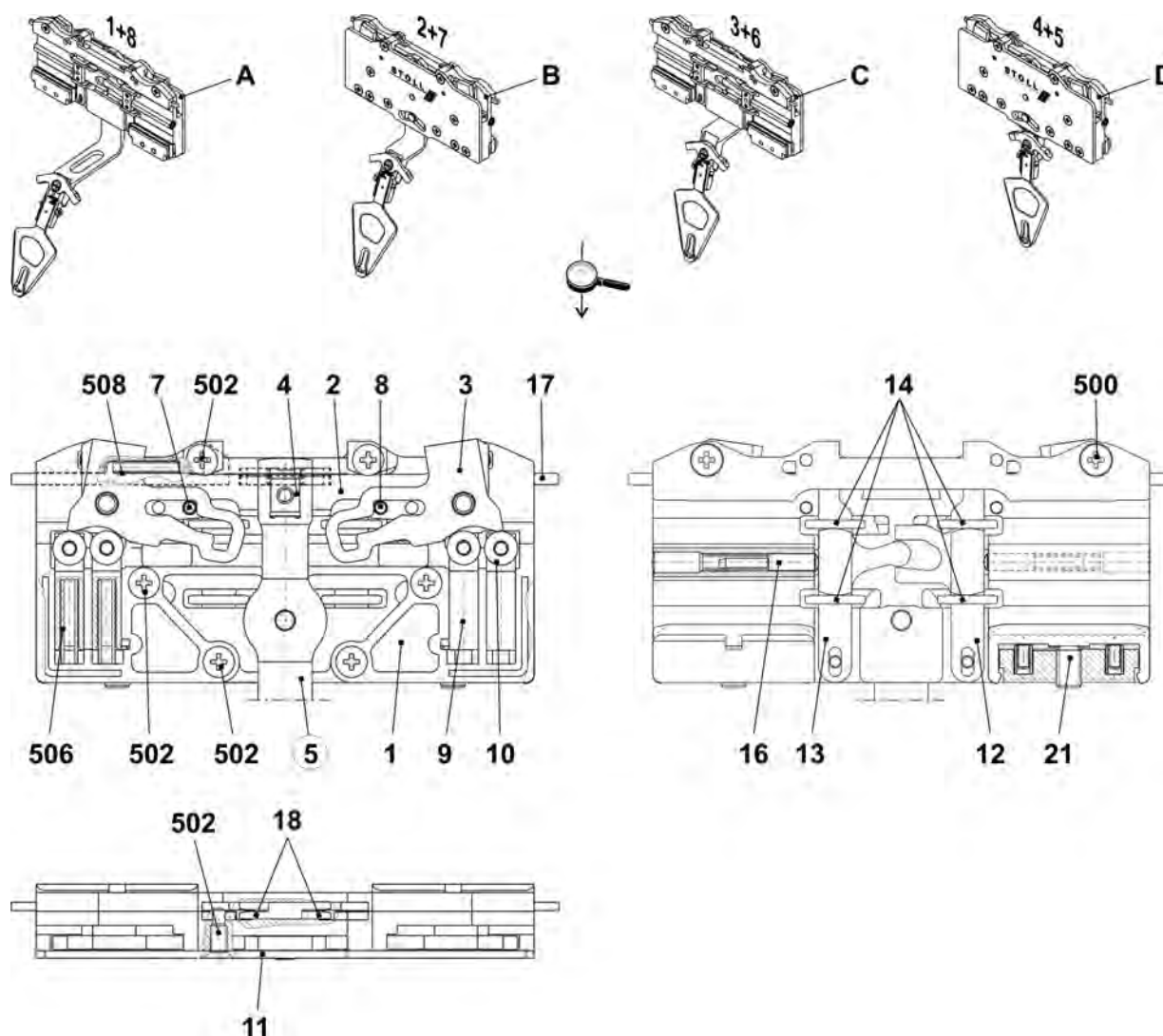
16.5 Yarn carrier carriage (for ultra coarse yarns)

Pos	Designation	ID	Pos	Designation	ID
1	Yarn carrier carriage 1+8 complete	231 856	3	Yarn carrier carriage 3+6 complete	231 858
2	Yarn carrier carriage 2+7 complete	231 857	4	Yarn carrier carriage 4+5 complete	231 859



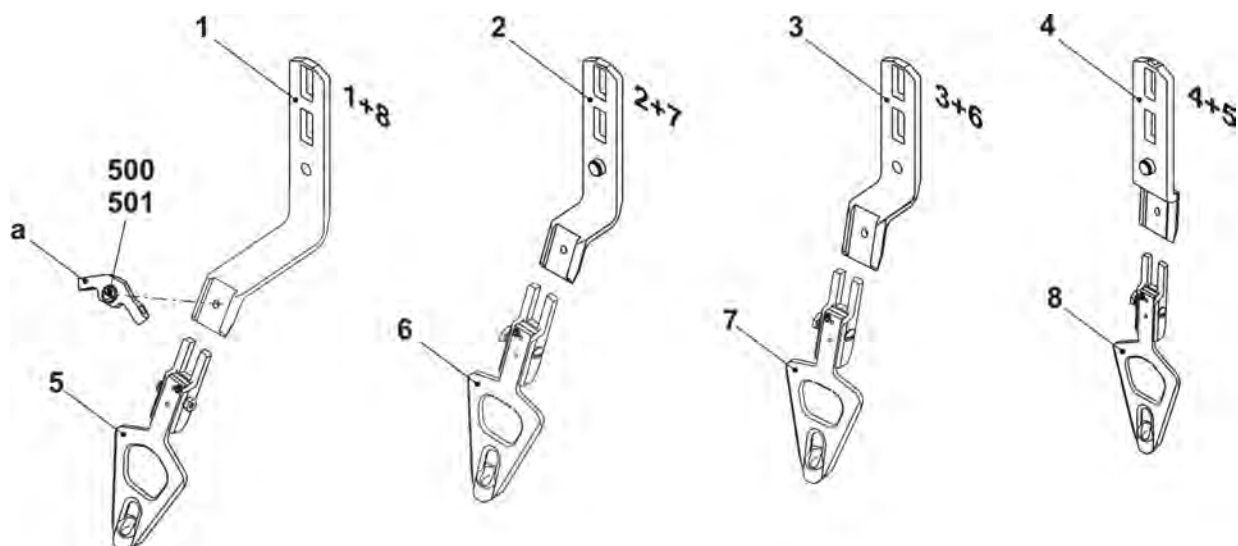
16.6 Complete intarsia yarn carriers

Pos	Designation	ID	Pos	Designation	ID
ΣA	IFF carriage 1+8 complete	213 773	10	Pressure roller	212 774
ΣB	IFF carriage 2+7 complete	213 774	11	Cover	213 392
ΣC	IFF carriage 3+6 complete	213 775	12	Clamping lever on the right	216 100
ΣD	IFF carriage 4+5 complete	213 776	13	Clamping lever on the left	216 101
1	Basic plate complete	213 408	14	Pressure plate 2,04	201 654
2	Slider	217 188		Pressure plate 2,06	208 924
3	Locking bar	212 508	16	Spring pin	201 677
4	Sliding block	213 807	17	Lifter	212 547
5	FF bow x+y complete		18	Sliding part	213 391
7	Locating pin 3,3 (2+7/3+6)	212 504	21	Threaded bolt	213 399
	Locating pin 3,4 (1+8/2+7/3+6/4+5)	212 505	500	Countersunk head screw M4x6	022 994
8	Locating pin 3,3 (2+7/3+6/4+5)	212 504	502	Countersunk head screw M4x12,5	022 979
	Locating pin 3,4 (2+7/3+6/4+5)	212 505	506	Compression spring 4,0x0,7x25	022 969
	Locating pin 3,5 (1+8)	212 506	508	Compression spring 2,8x0,35x19	023 394
9	Thrust piece	212 773			



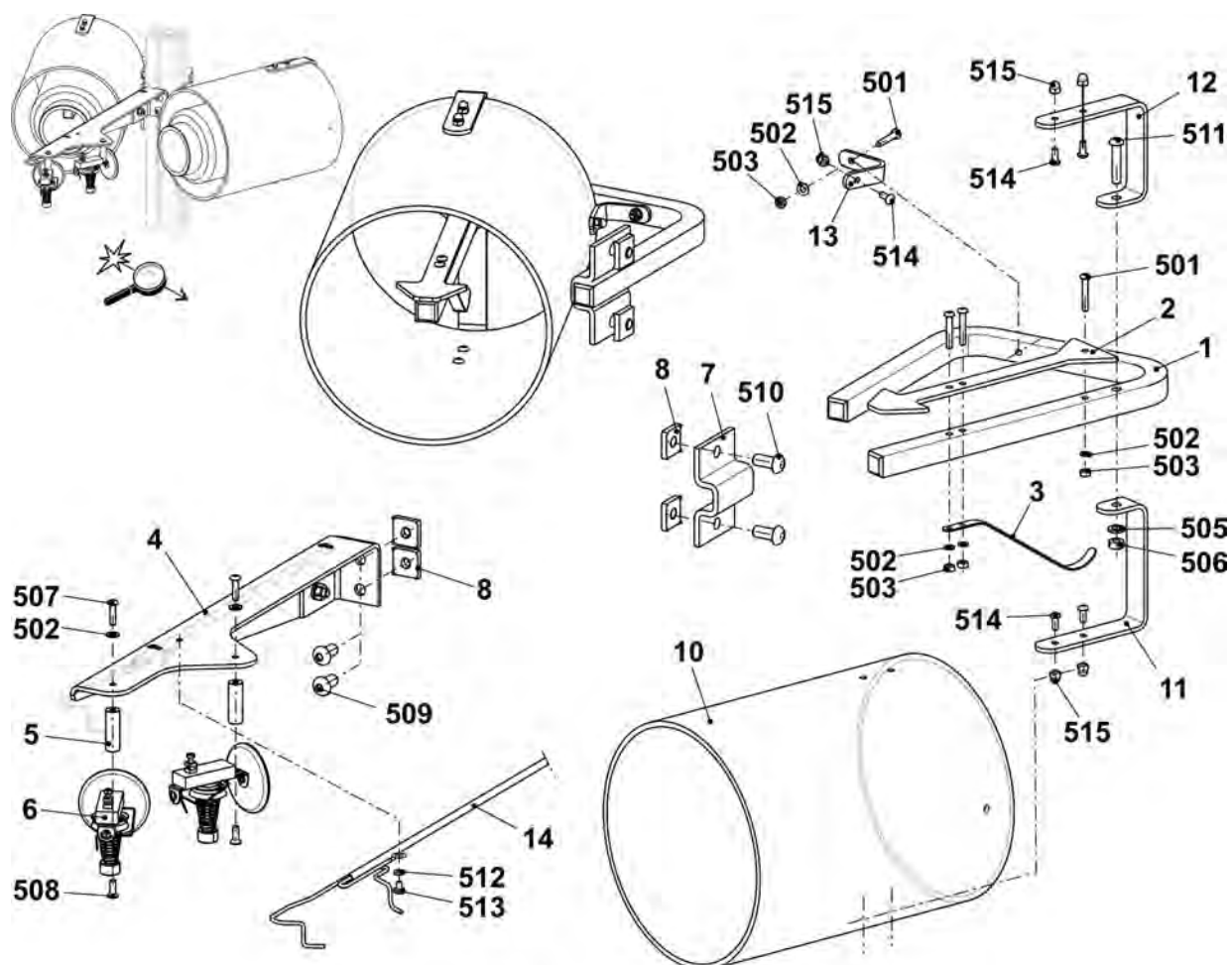
16.6.1 Bow and head IFF

Pos	Designation	ID	Pos	Designation	ID
Σ	IFF carriage 1+8 complete	213 773			
	IFF carriage 2+7 complete	213 774	5	YC head 1+8 complete	216 352
	IFF carriage 3+6 complete	213 775	6	YC head 2+7 complete	216 353
	IFF carriage 4+5 complete	213 776	7	YC head 3+6 complete	216 354
1	FF bow 1+8 complete	213 768	8	YC head 4+5 complete	216 355
2	FF bow 2+7 complete	213 769	a	Yarn guide angle	201 672
3	FF bow 3+6 complete	213 770	500	Cap screw M4x8	022 977
4	FF bow 4+5 complete	213 771	501	CirclipS4-FST	022 774



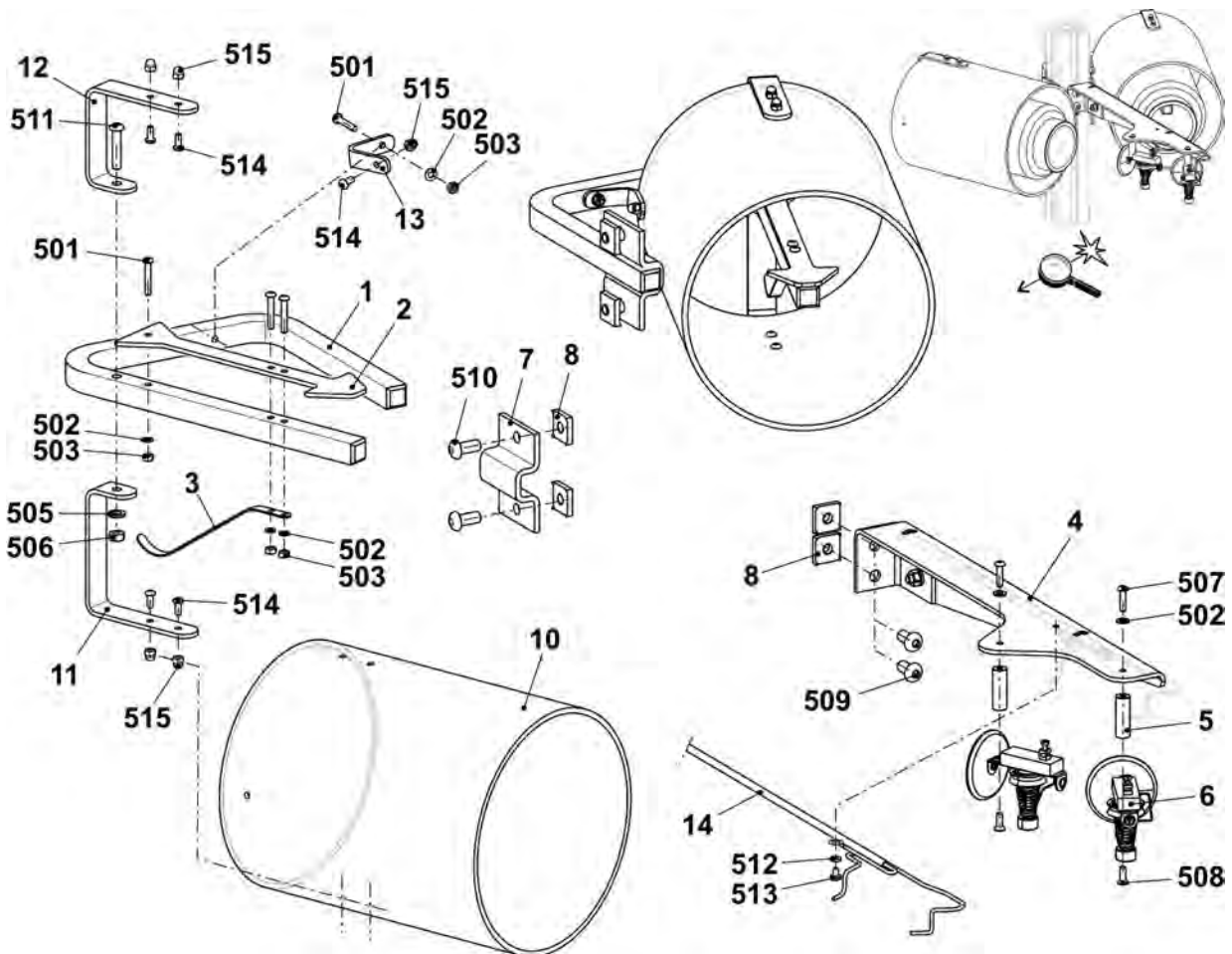
16.7 Bobbin holder on the left

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



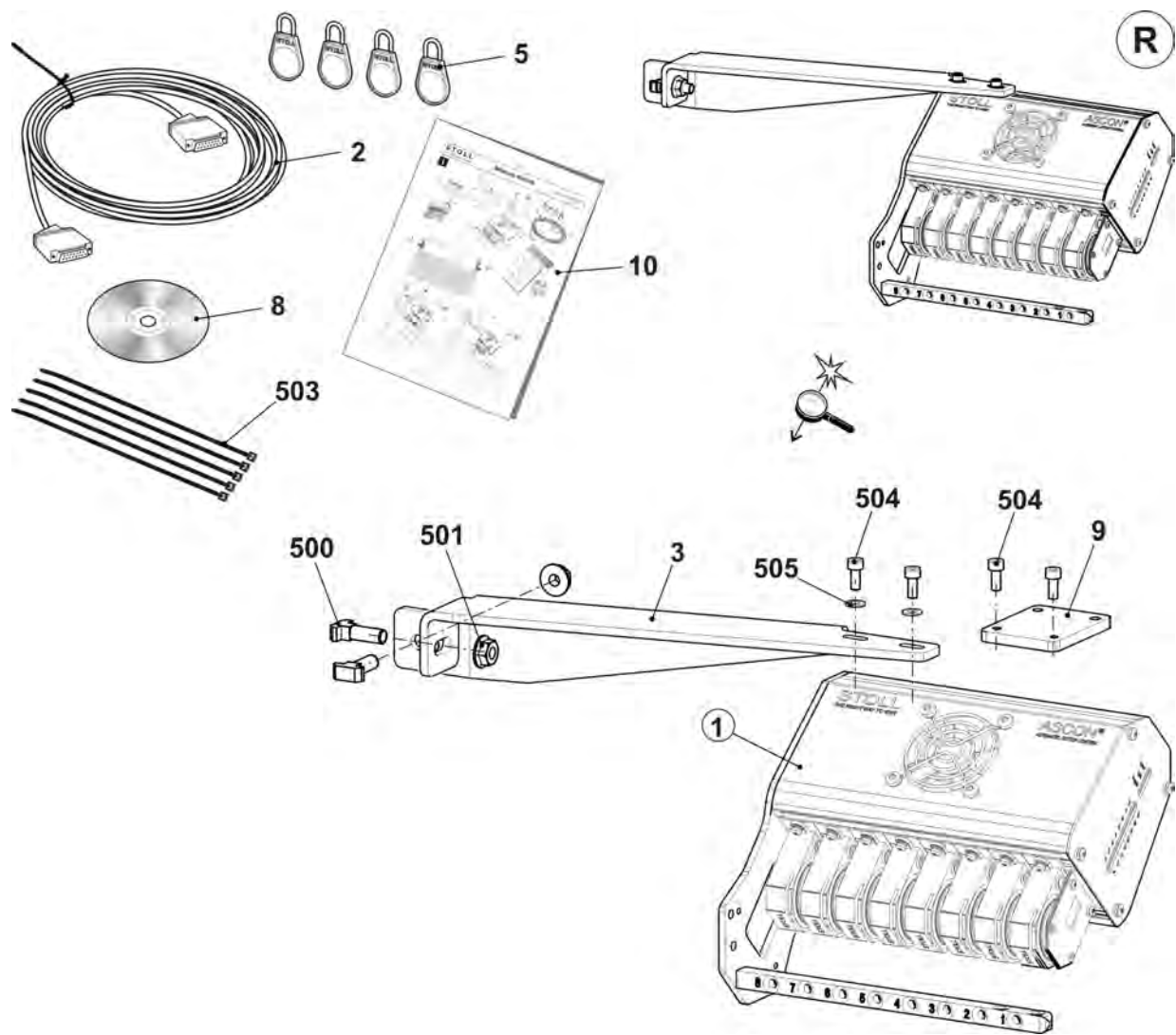
16.8 Bobbin holder on the right

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



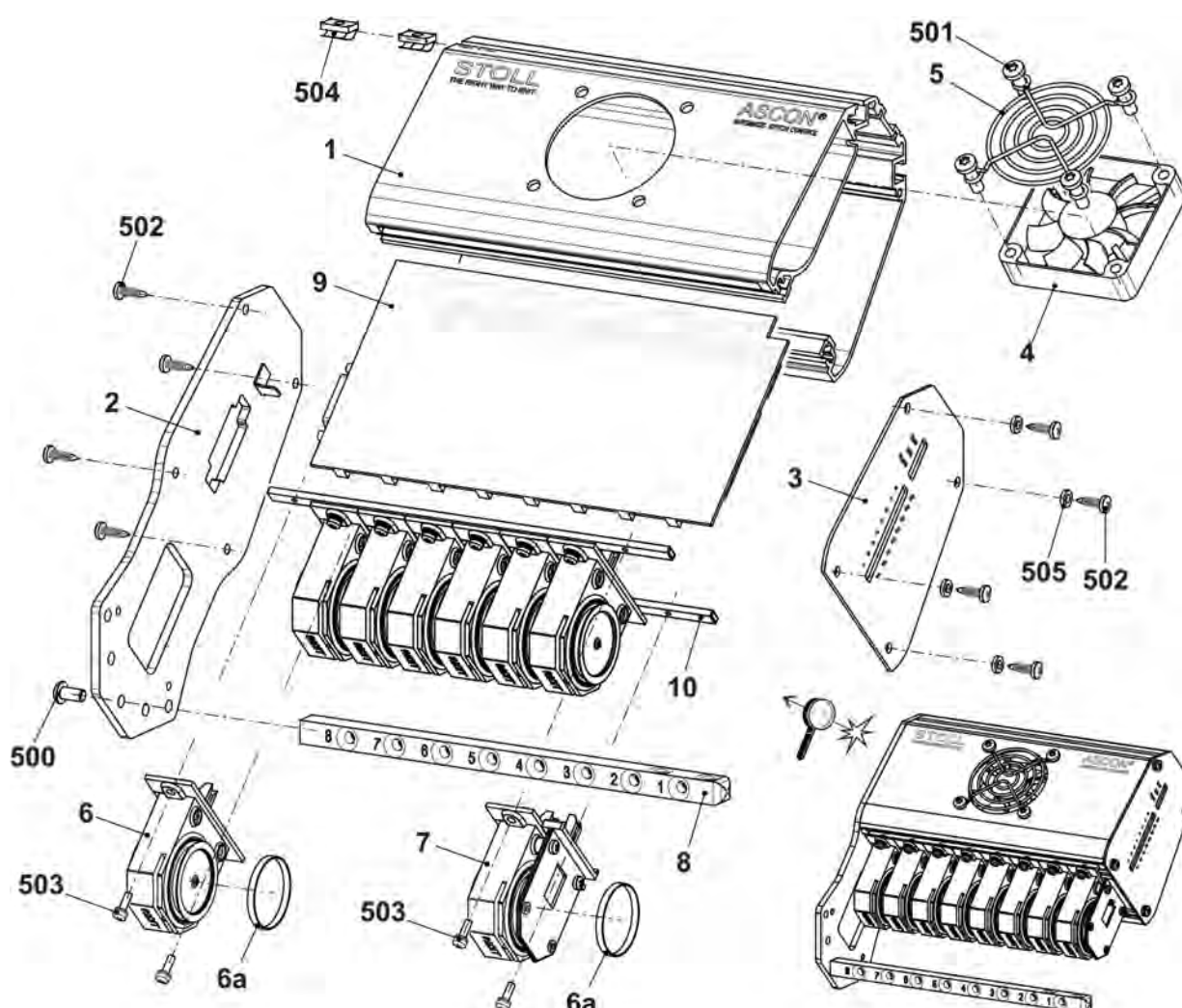
16.9 Yarn length measuring device on the right complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	265 391			
1	Yarn length measuring device on the right complete	257 282	10	Operating instructions of ASCON as- sembly	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



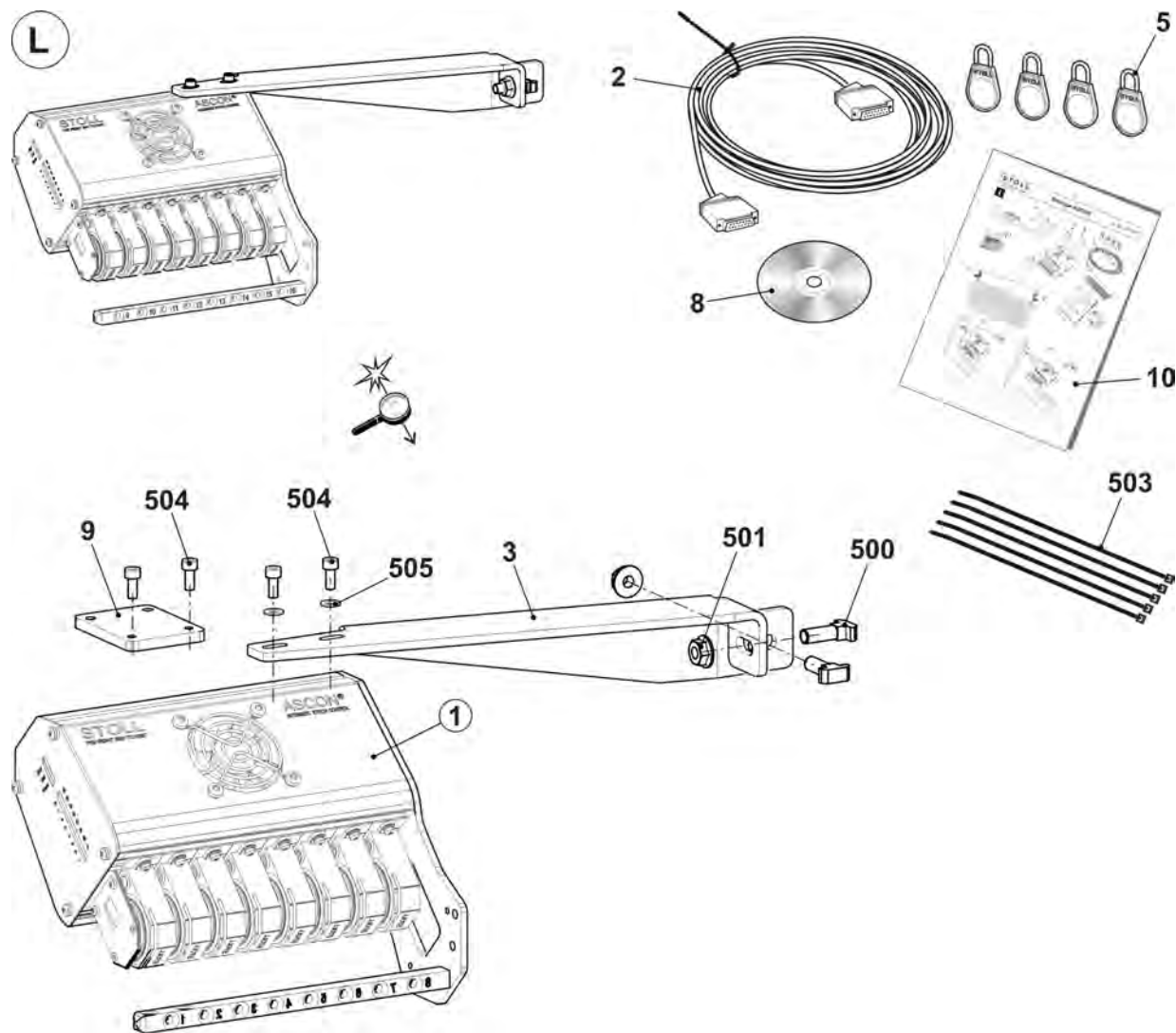
16.9.1 Yarn length measuring device on the right

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



16.10 Yarn length measuring device on the left complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	265 392			
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



16.10.1 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

