

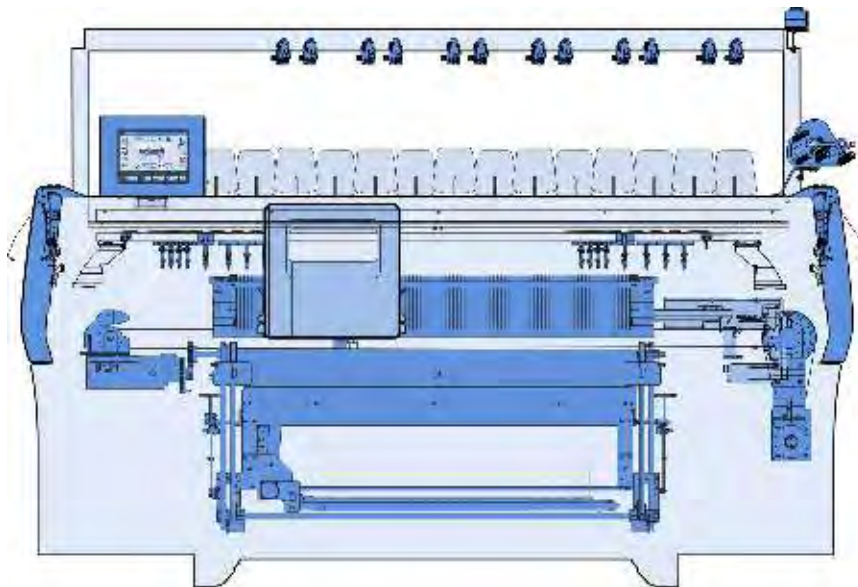
STOLL

Spare-parts catalog

CMS 502 (Type 638, Component type 003)

CMS 502 (Type 654, Component type 000)

E5 | E7 | E7m.5 | E2,5.2 | E2,5.2m.4L | E3,5.2 | E3,5.2m.4L



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1 Introduction

Imprint

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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.

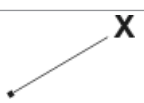
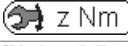
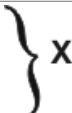
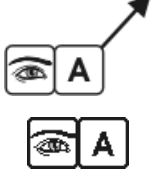
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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

1.2 Torques

Preferential row of screw torques

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

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

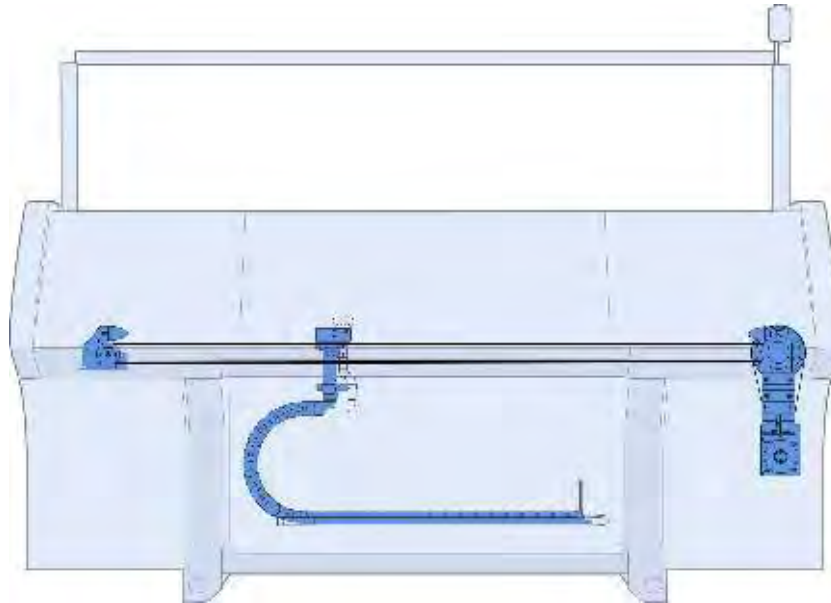
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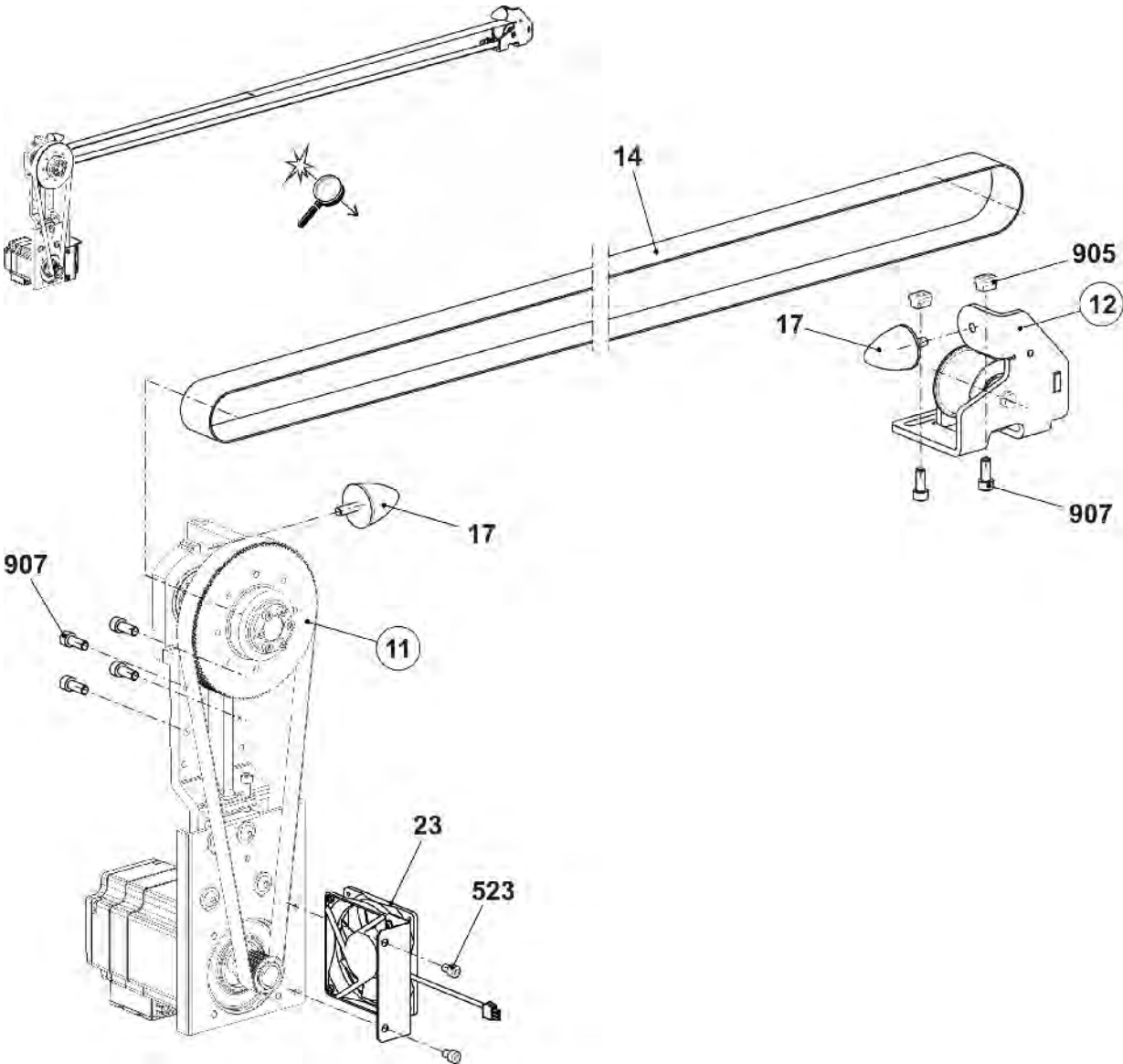
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2 Carriage drive



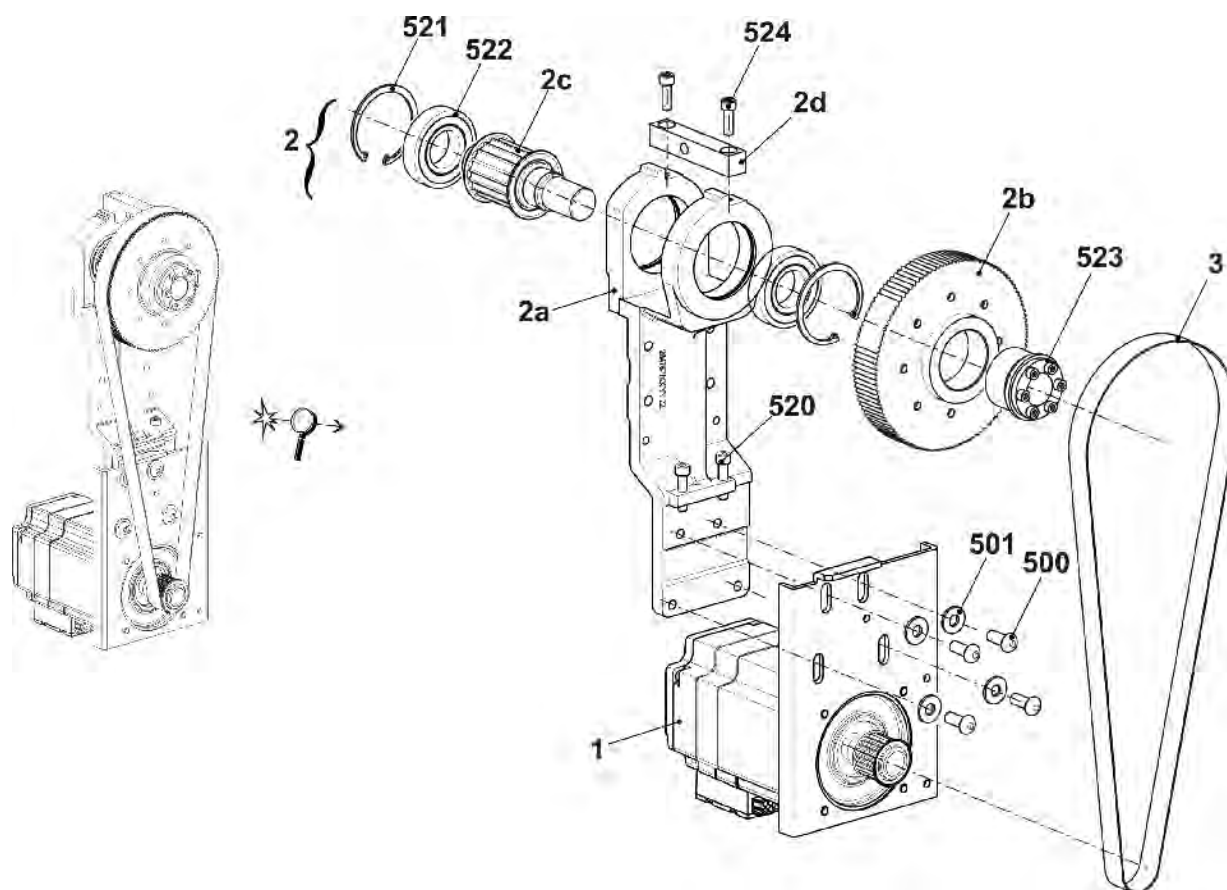
2.1 Drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit				
11	Drive unit complete	251 608	23	Fan complete	253 692
12	Tension bearing complete	251 581	523	Cap screw M8x12	023 138
14	Toothed belt 50AT10/4170 HP	251 607	905	Nut M10x12	023 471
17	Parabolic spring	200 661	907	Cap screw M10x25	020 157



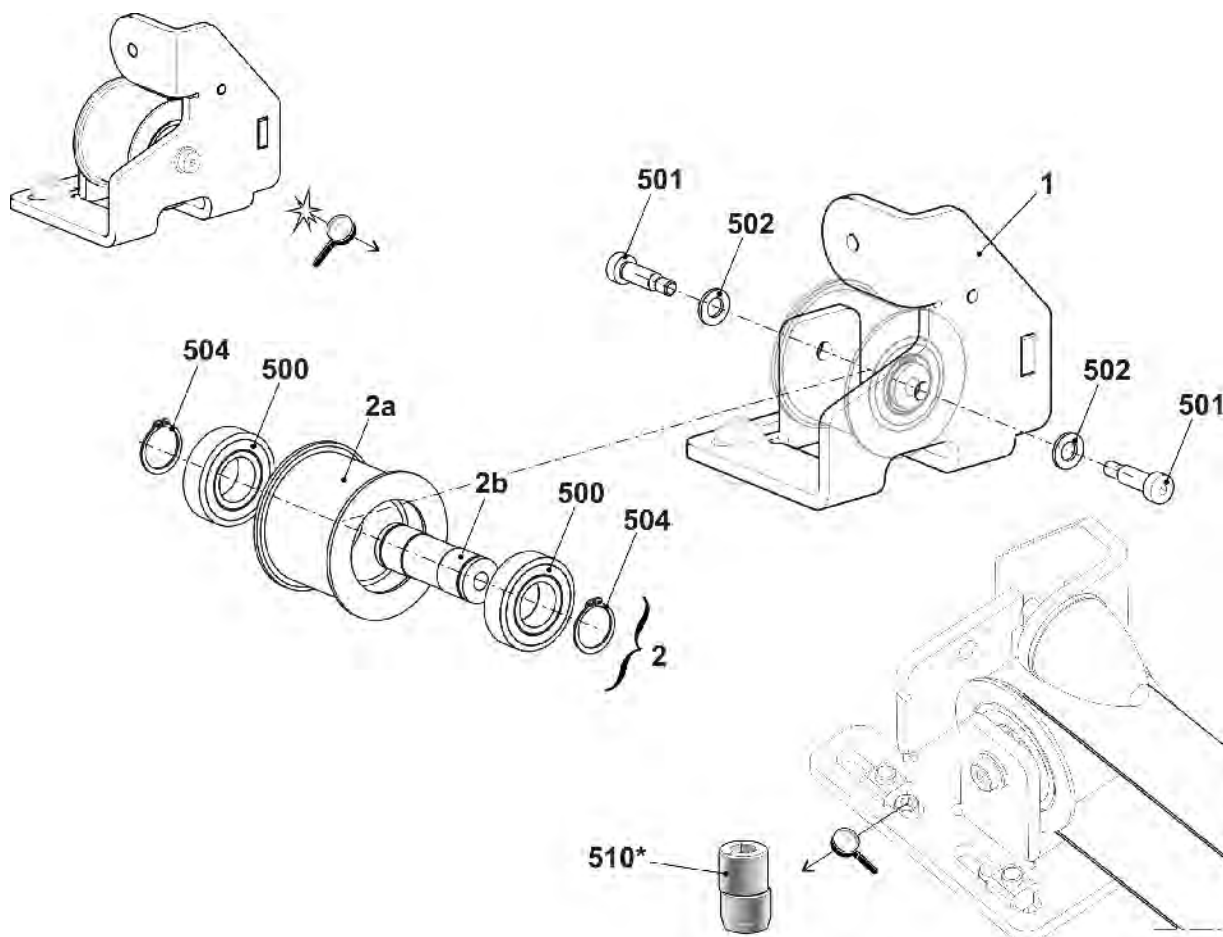
2.1.1 Motor and belt drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	251 608			
1	Drive unit	258 189	521	Retaining ring 68x2.5	022 914
2	Drive bearing complete	264 764	522	Grooved ball bearing 6207-2RS	022 915
2a	Drive bearing	264 758	523	Tension set 30X55	023 208
2b	Toothed belt pulley	240 616	524	Cap screw M8X25 12.9	020 142
2c	Pinion 57 AT10 18	242 039	3	Toothed belt	252 594
2d	Support of buffer	222 100	500	Pan-head screw M10X25	023 684
520	Cap screw M8X35	020 144	501	Disk 10,5X25X2,5	022 178



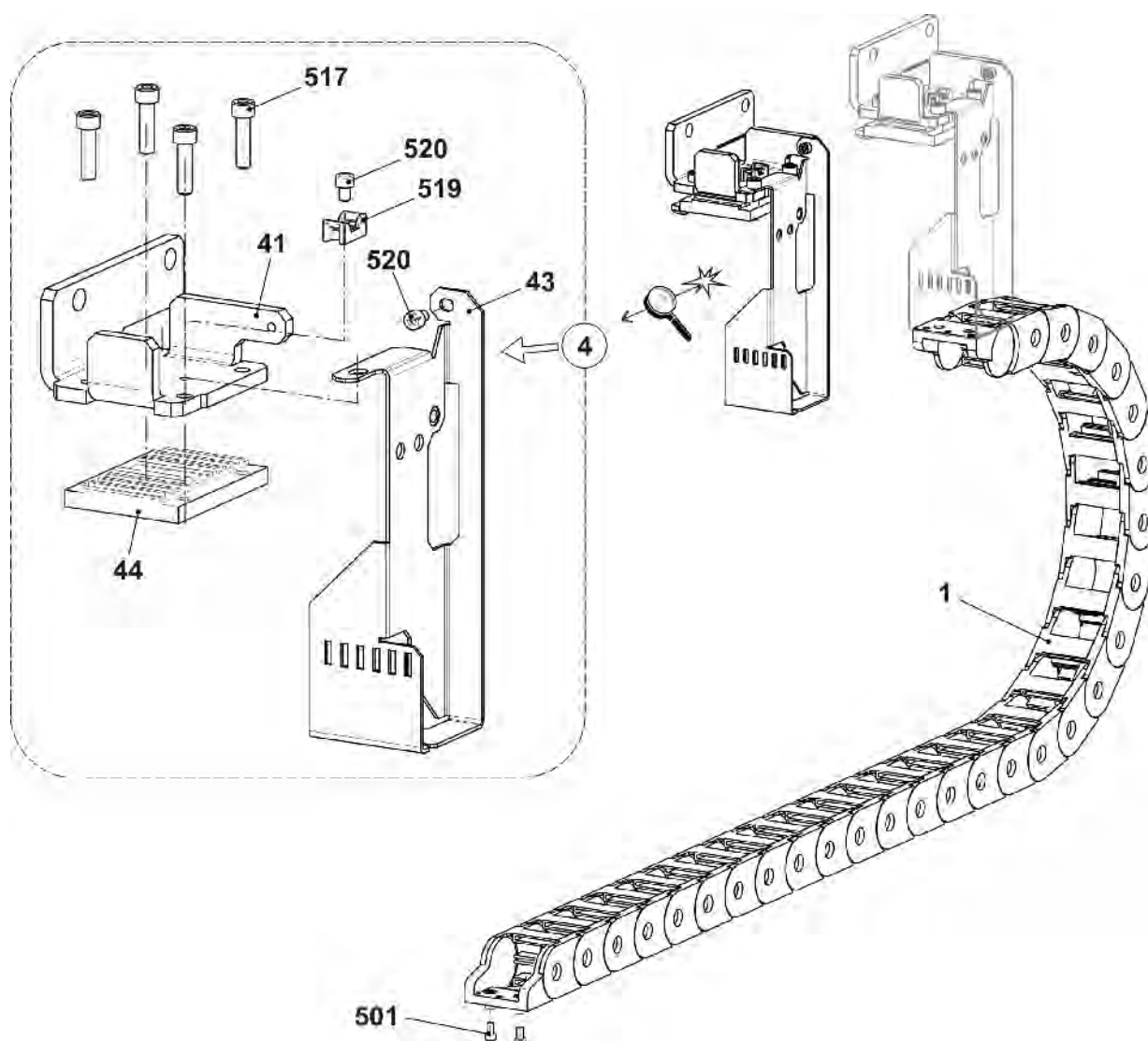
2.1.2 Tension bearing

Pos	Designation	Id	Pos	Designation	Id
Σ	Tension bearing complete	251 581	2	500 Grooved ball bearing 625-6305-2RS	255 686
1	Tension bearing	251 560		504 Retaining ring 471-25x1,2	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. no.	Pos	Designation	Id. no.
1	Energy chain 28 links	253 896	4	44 Clamping plate	252 592
501	Cap screw M6x8	023 411		517 Cap screw M8x30	020 143
4	Carriage driver complete	265 265		519 Fixing element	026 489
41	Carriage driver	259 285		520 Cap screw M6x8	023 411
43	Cable driver	259 287			

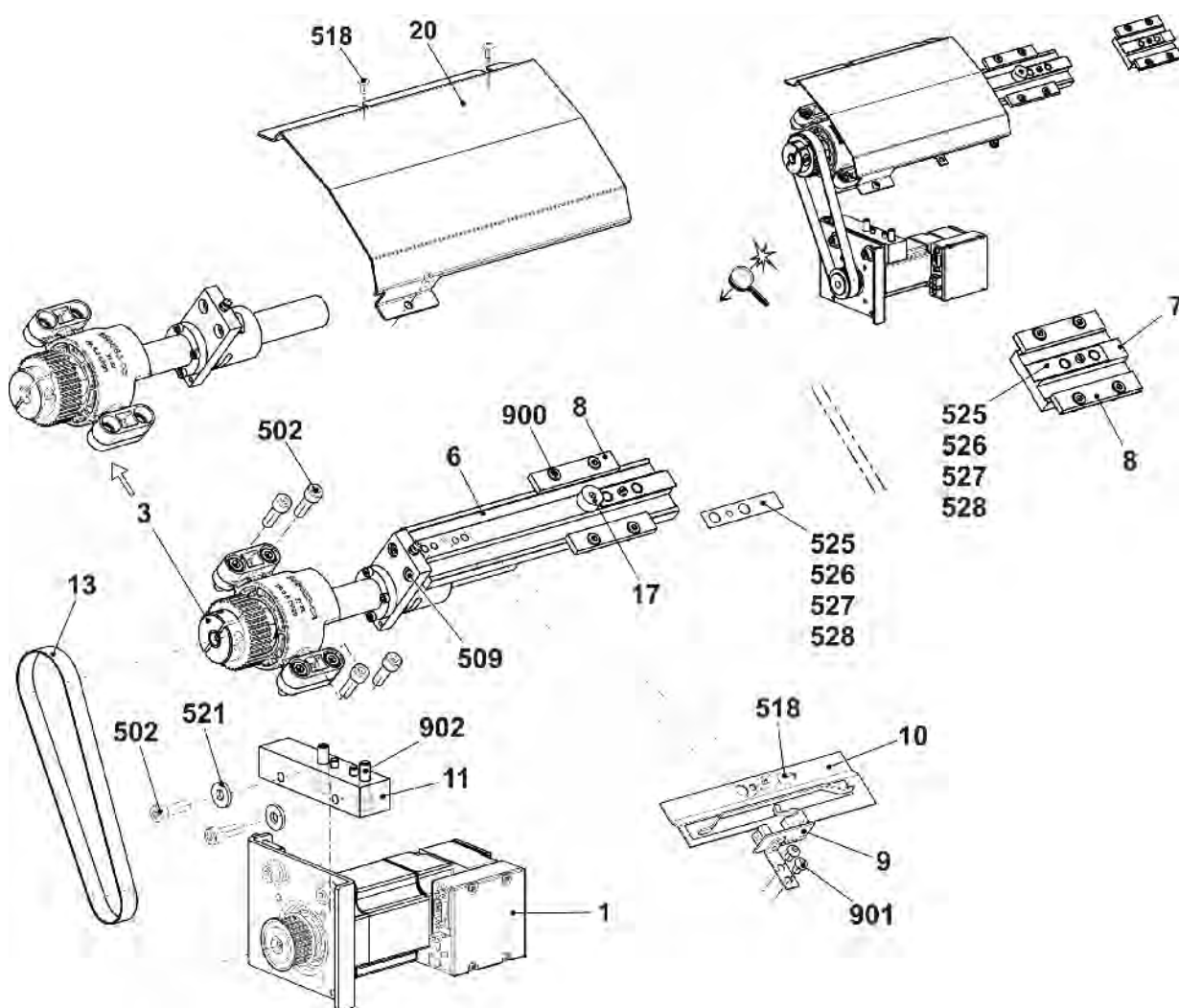


3 Racking



3.1 Racking drive

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Racking				
1	Three-phase AC servo motor racking complete	258 195	502	Cap screw M8x25	020 142
3	Spindle bearing	260 148	509	Cap screw M6x16	023 116
6	Racking strip	264 802	518	Pan-head screw M6x10	023 183
7	Racking strip on the left	240 696	521	Washer 8,4X20X3	022 175
8	Guide strip	206 382	525	Shim0,03x15x75	023 395
9	Card racking limit switch	229 396	526	Shim 0,05x15x7	023 396
10	Switch plate	240 722	527	Shim0,1x15x75	023 397
11	Bearing racking motor	264 630	528	Shim0,2x15x75	023 398
13	Toothed belt150 S 5M 490	229 281	900	Cap screw M6x12	022 795
17	Stop screw	221 386	901	Pan-head screw M6x10	023 183
20	Racking cover plate	264 803	902	Cap screw M8x30	020 143

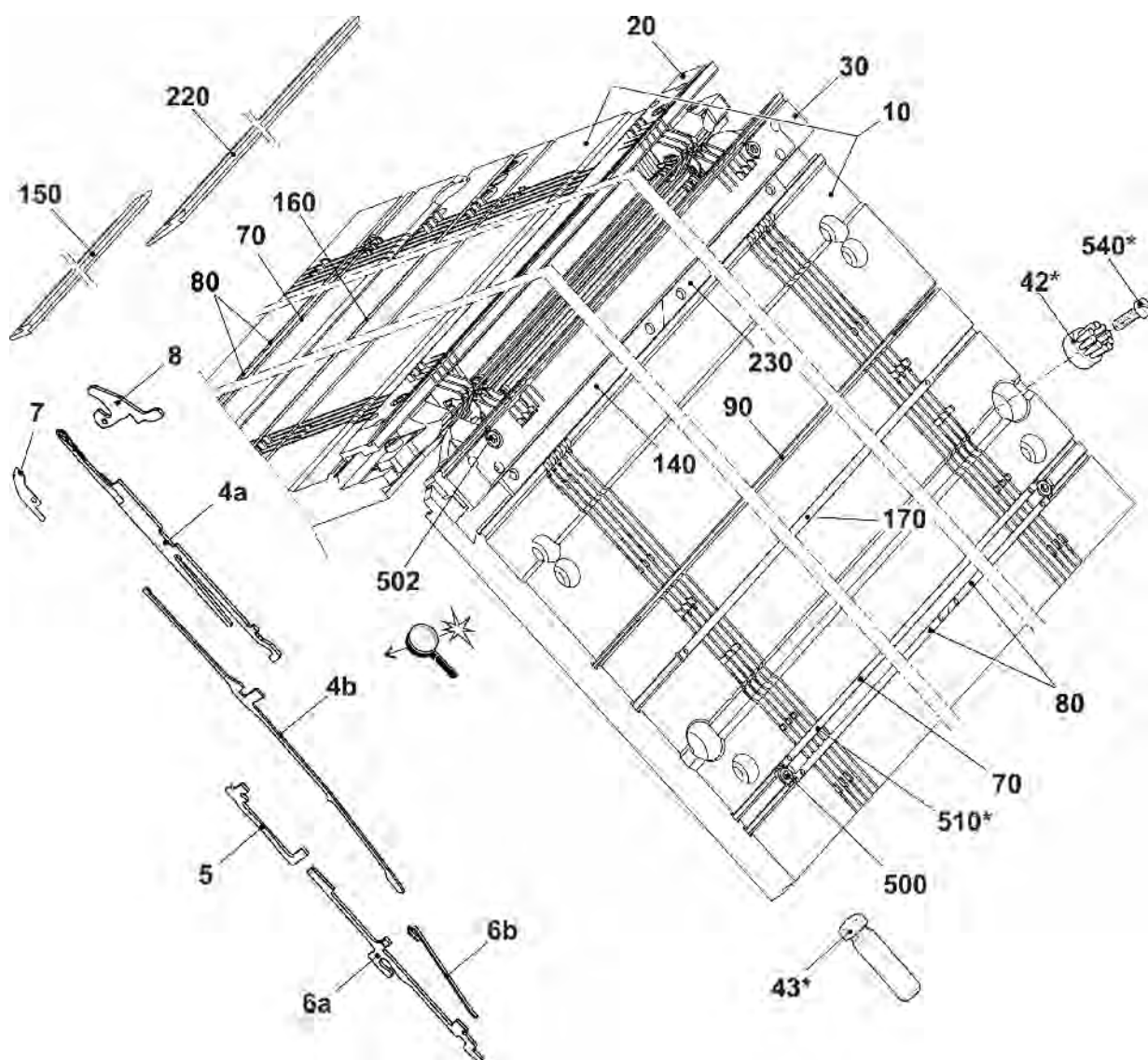


4 Needle beds



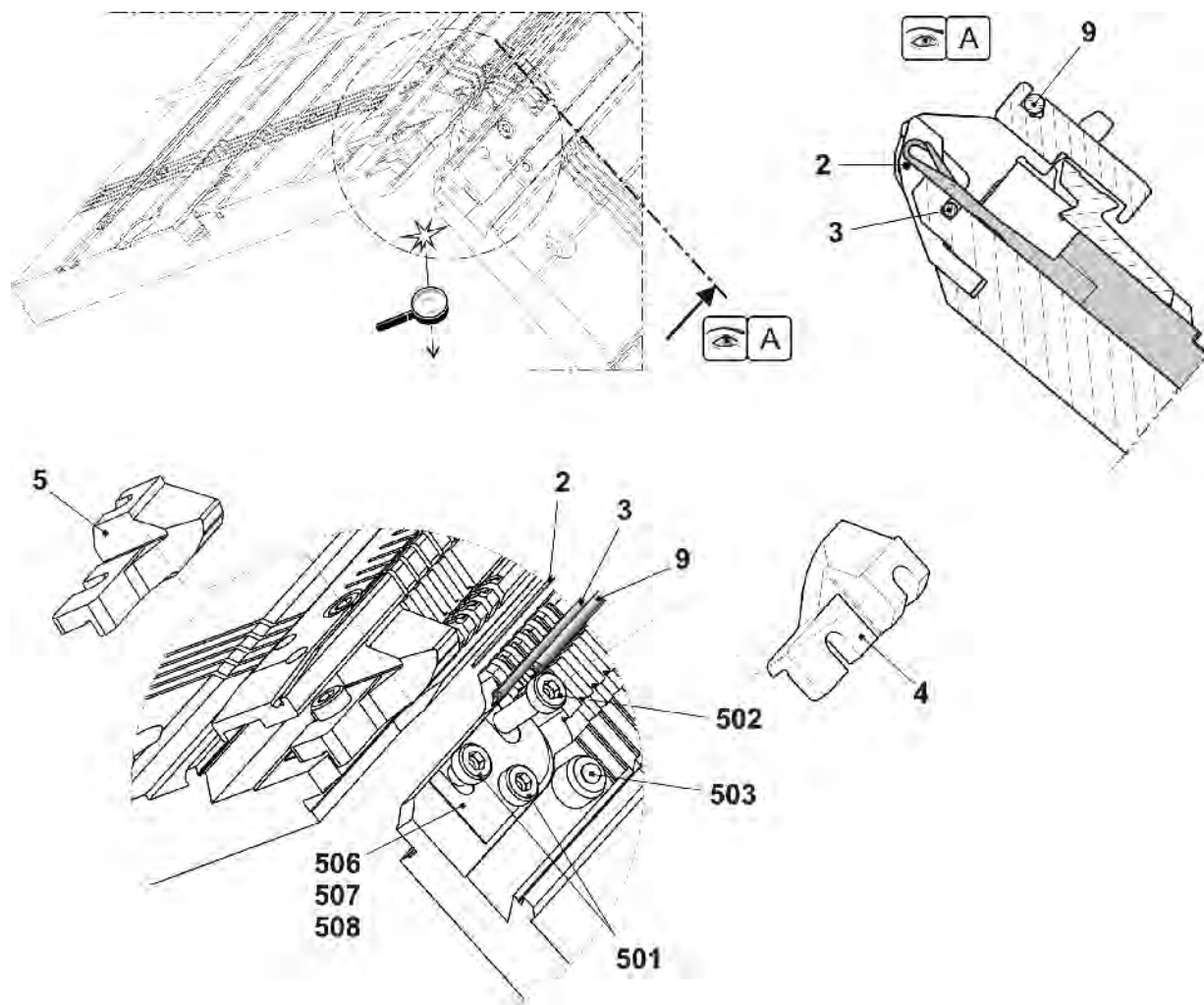
4.1 Needle bed E5

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rearE5	252 665			
4a	Needle E5 - E6 with round hook	205 396	90	Locating wire D=2,8	207 270
4b	Coupling part E5 - E8	253 381	140	Needle bar on the left at the front	237 835
5	Intermediate slider E5 - E8	237 323	150	Needle bar rear on the right	237 836
6a	Selection jack E4 - E8	200 687	160	Cover rail at the rear	250 572
6b	Selector spring E4 - E8	200 690	170	Cover rail at the front E5	255 538
7	Knock-over bit E5	204 996	220	Needle bar on the left at the rear	253 908
8	Holding-down jack E5	205 031	230	Needle bar on the right at the rear	253 910
10	Needle bed at the front + rearE5	251 619	500	Cap screw M5x10	022 918
20	Holding-down jack bed at the rear E5	250 537	502	Cap screw M5x22	023 193
30	Holding-down jack bed at the front E5	250 536	42*	Disk brush	202 600
70	Cover rail	250 575	43*	Adjusting bolt	251 772
80	Cover rail	250 576	540*	Cap screw M5x12	020 032



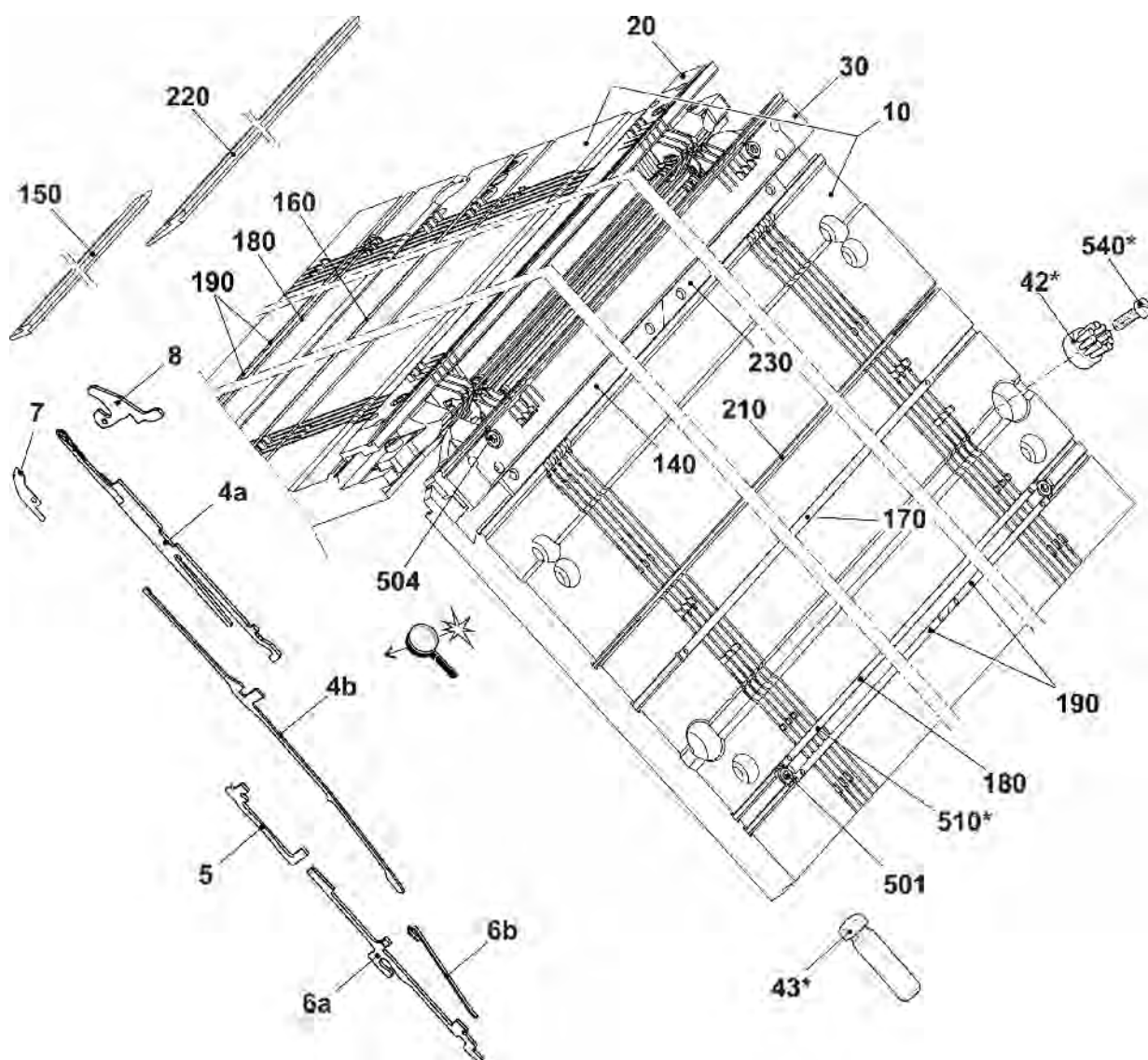
4.1.1 Continuation needle bed E5

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rearE5	252 665	501	Cap screw M5x8	023 154
2	Spring steel wire ø 1,0	207 482	502	Cap screw M5x22	023 193
3	Spring steel wire ø 2,0	207 269	503	Springy thrust piece	023 177
4	Limiter on the left E4-8	205 343	506	Shim0,05x18,5x34	023 196
5	Limiter on the right E4-8	205 344	507	Shim0,1x18,5x34	023 197
9	Locating wire ø2,8	207 270	508	Shim0,2x18,5x34	023 253



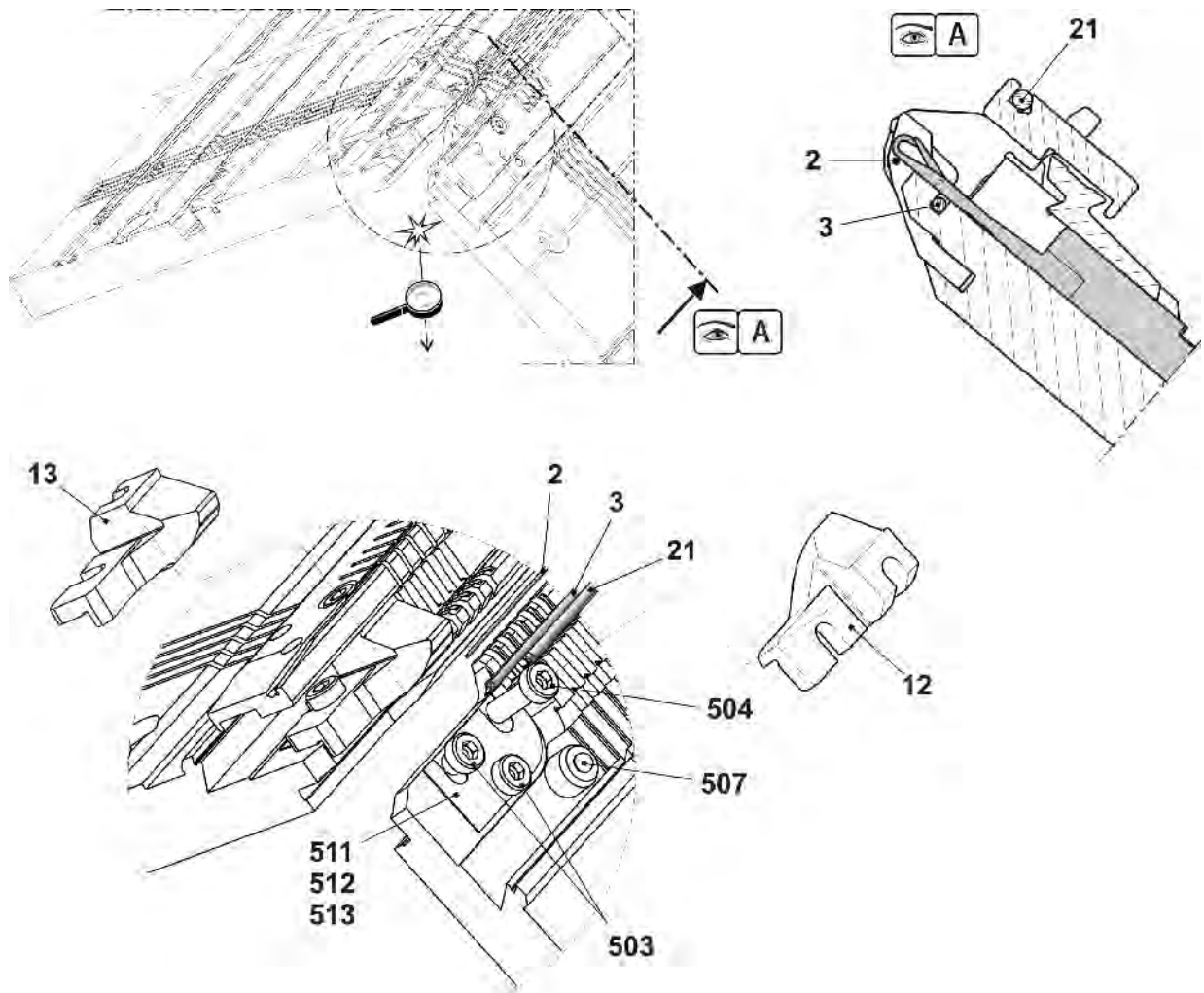
4.2 Needle bed E7

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rearE7	252 667			
4a	Needle E7 with round hook	205 397	160	Cover rail at the rear	250 572
4b	Coupling part E5-8	253 381	170	Cover rail at the front E7	255 539
5	Intermediate slider with brake E5-8	237 323	180	Cover rail	250 575
6a	Selection jack E4 - E8	200 687	190	Cover rail	250 576
6b	Selector spring E4 - E8	200 690	210	Locating wire ø2,8	207 270
7	Knock-over bit E7	207 055	220	Needle bar on the left at the rear	253 908
8	Holding-down jack E7	205 032	230	Needle bar on the right at the rear	253 910
10	Needle bed at the front + rearE7	251 620	501	Cap screw M5x10	022 918
20	Holding-down jack bed at the rear E7	250 539	504	Cap screw M5x22	023 193
30	Holding-down jack bed at the front E7	250 538	42*	Disk brush	202 600
140	Needle bar on the left at the front	237 835	43*	Adjusting bolt	251 772
150	Needle bar rear on the right	237 836	540*	Cap screw M5x12	020 032



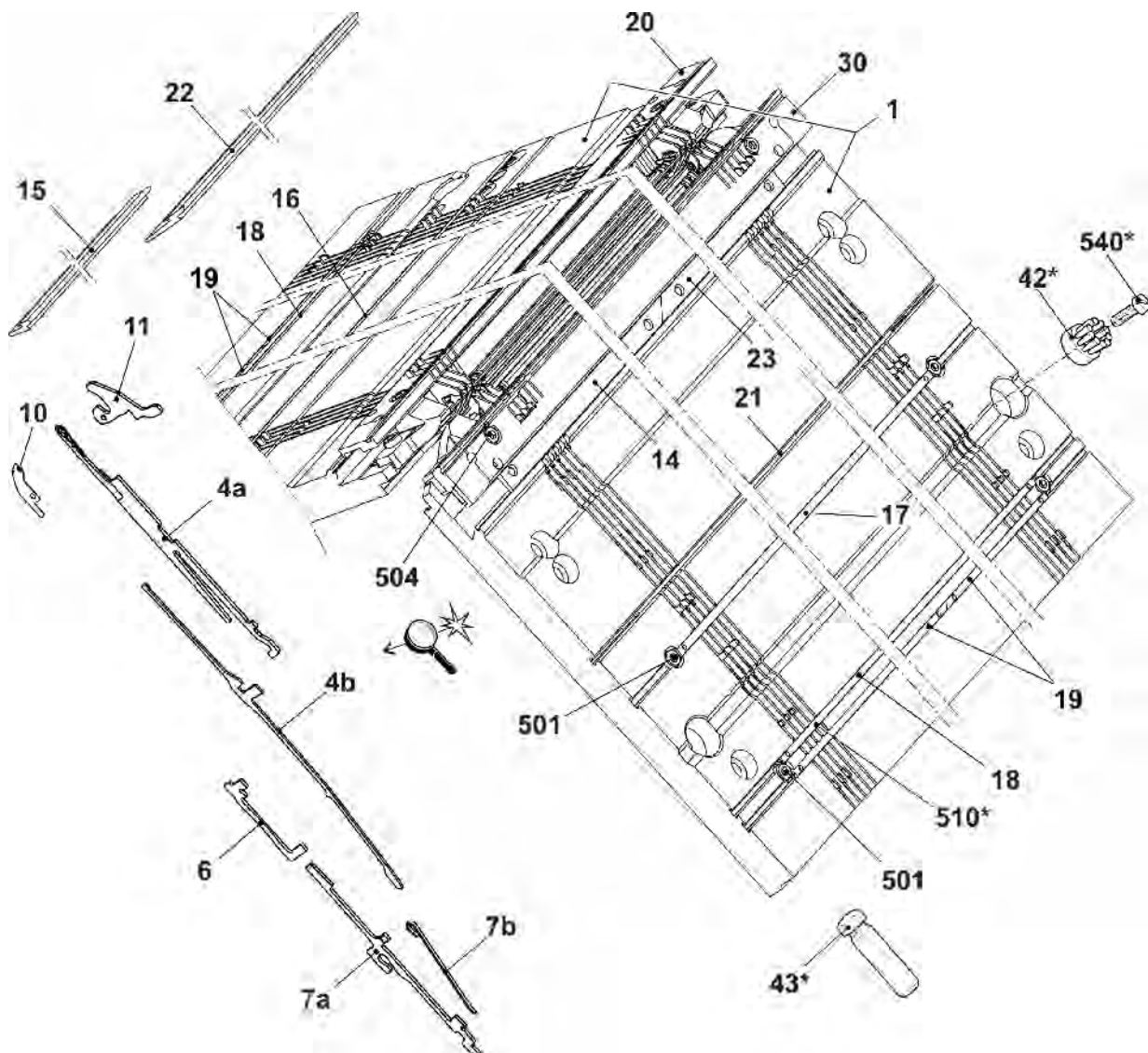
4.2.1 Continuation needle bed E7

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rearE75	252 667	503	Cap screw M5x8	023 154
2	Spring steel wire ø 0,8	207 483	504	Cap screw M5x22	023 193
3	Spring steel wire ø 2,0	207 269	507	Springy thrust piece	023 177
12	Limiter on the left E4-8	205 343	511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4-8	205 344	512	Shim0,1x18,5x34	023 197
21	Locating wire ø2,8	207 270	513	Shim0,2x18,5x34	023 253



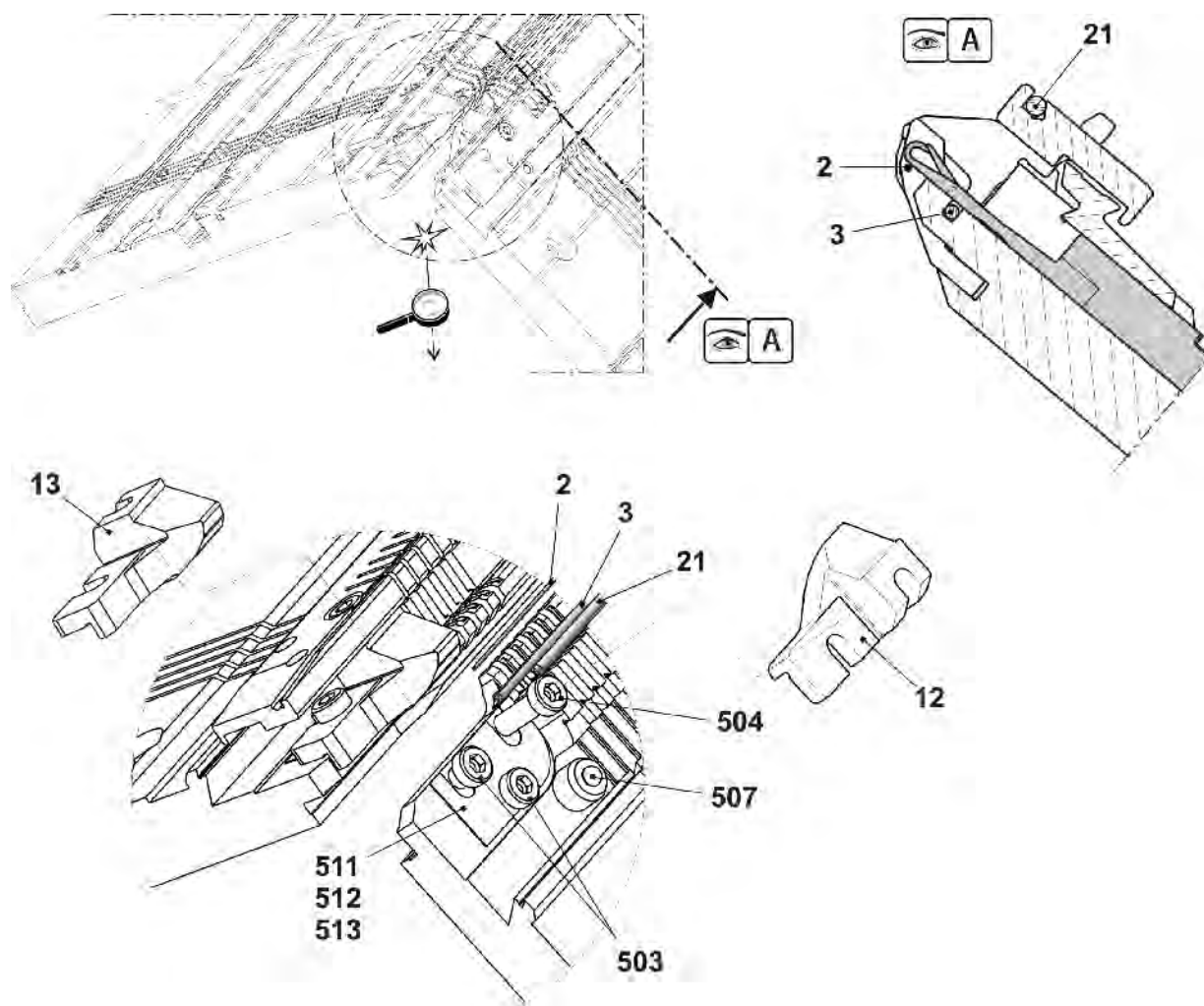
4.3 Needle bed E7m.5

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rear E7m.5	253 949			
1	Needle bed at the front + rear E7	251 620	18	Cover rail	250 575
4a	Needle E5 – E6 with round hook	205 396	19	Cover rail	250 576
4b	Coupling part E5 - E8	253 381	20	Holding-down jack bed at the rear E7	250 539
6	Intermediate slider E5 - E8	237 323	21	Locating wire D=2,8	207 270
7a	Selection jack E4 - E8	200 687	22	Needle bar on the left at the rear	253 908
7b	Selector spring E4 - E8	200 690	23	Needle bar on the right at the rear	253 910
10	Knock-over bit E7	207 055	30	Holding-down jack bed at the front E7	250 538
11	Holding-down jack E7	205 032	501	Cap screw M5x10	022 918
14	Needle bar on the left at the front	237 835	504	Cap screw M5x22	023 193
15	Needle bar rear on the right	237 836	42*	Disk brush	202 600
16	Cover rail at the rear	250 572	43*	Adjusting bolt	251 772
17	Cover rail at the front E7	255 539	540*	Cap screw M5x12	020 032



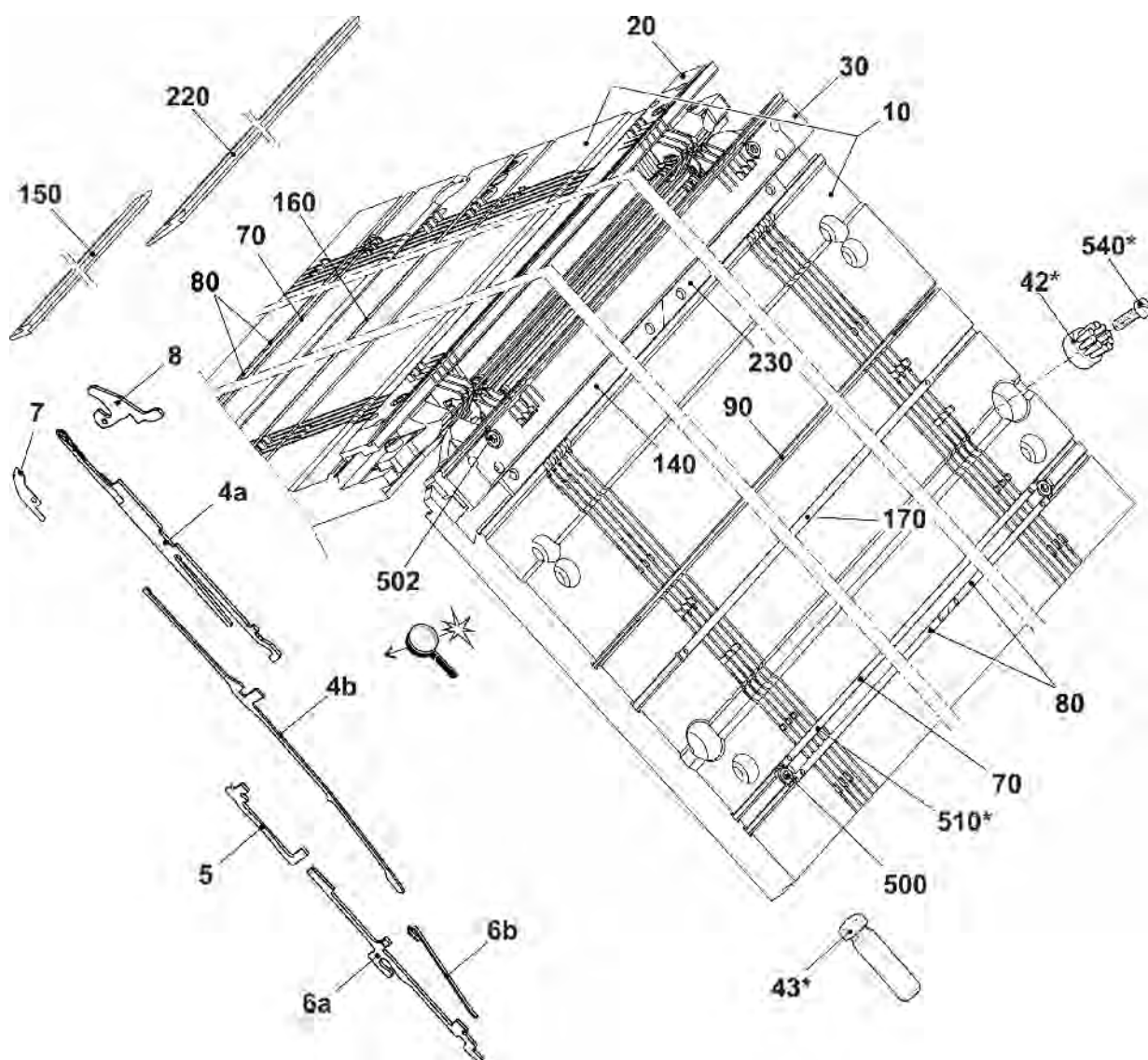
4.3.1 Continuation needle bed E7m.5

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rear E7m.5	253 949	503	Cap screw M5x8	023 154
2	Spring steel wire ø 0,8	207 483	504	Cap screw M5x22	023 193
3	Spring steel wire ø 2,0	207 269	507	Springy thrust piece	023 177
12	Limiter on the left E4-8	205 343	511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4-8	205 344	512	Shim0,1x18,5x34	023 197
21	Locating wire ø2,8	207 270	513	Shim0,2x18,5x34	023 253



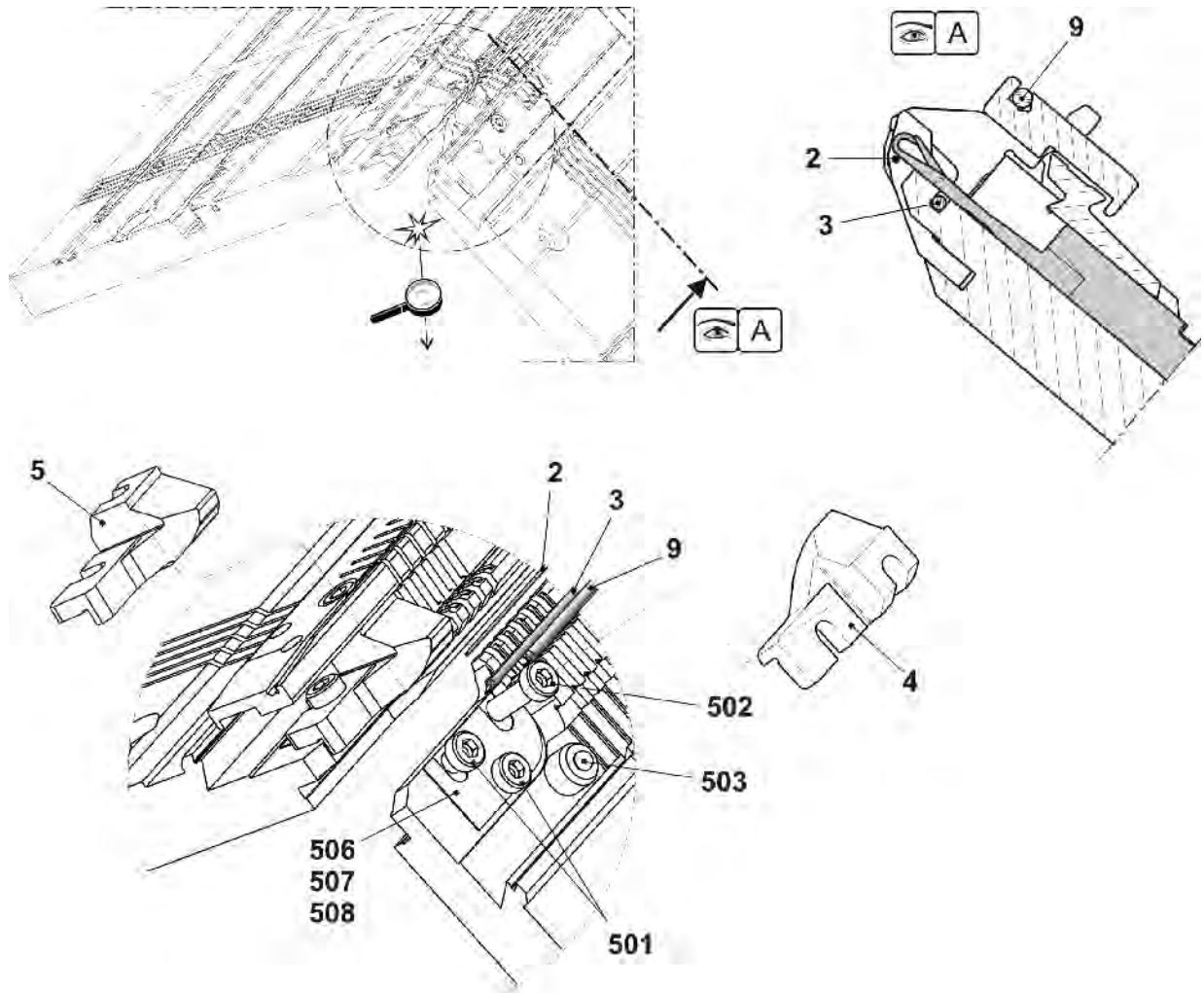
4.4 Needle bed E2,5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rearE5	260 668			
4a	Needle E2,5.2-3,5.2	232 581	90	Locating wire D=2,8	207 270
4b	Coupling part E5 - E8	253 381	140	Needle bar on the left at the front	237 835
5	Intermediate slider with brake E5 - E8	237 323	150	Needle bar rear on the right	237 836
6a	Selection jack E4 - E8	200 687	160	Cover rail at the rear	250 572
6b	Selector spring E4 - E8	200 690	170	Cover rail at the front E5	255 538
7	Knock-over bit E5	204 996	220	Needle bar on the left at the rear	253 908
8	Holding-down jack E5	205 031	230	Needle bar on the right at the rear	253 910
10	Needle bed at the front + rearE5	251 619	500	Cap screw M5x10	022 918
20	Holding-down jack bed at the rear E2,5.2	260 672	502	Cap screw M5x22	023 193
30	Holding-down jack bed at the front E2,5.2	260 671	42*	Disk brush	202 600
70	Cover rail	250 575	43*	Adjusting bolt	251 772
80	Cover rail	250 576	540*	Cap screw M5x12	020 032



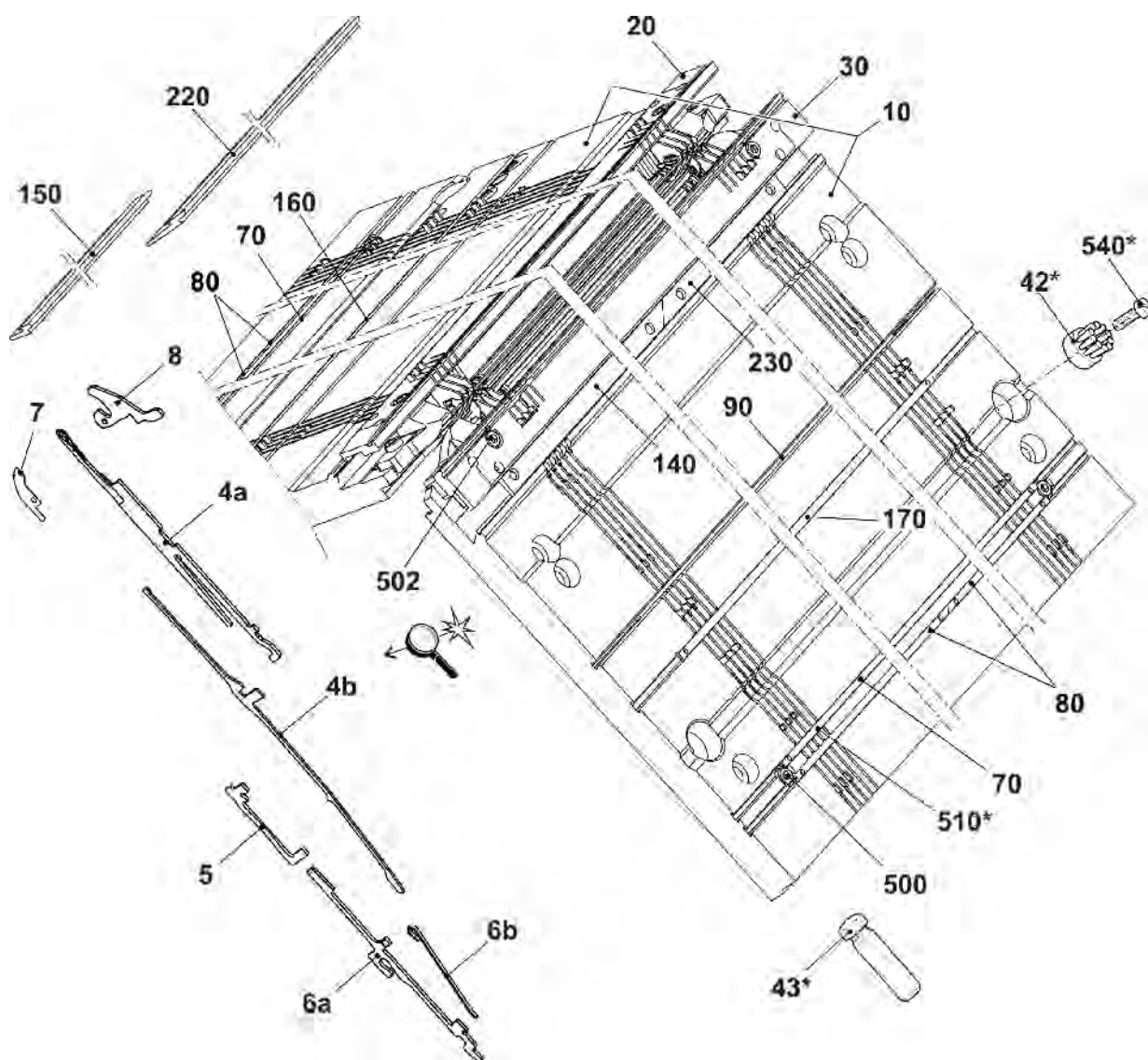
4.4.1 Continuation needle bed E2,5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rearE2,5.2	260 668	501	Cap screw M5x8	023 154
2	Spring steel wire ø 1,0	207 482	502	Cap screw M5x22	023 193
3	Spring steel wire ø 2,0	207 269	503	Springy thrust piece	023 177
4	Limiter on the left E4-8	205 343	506	Shim0,05x18,5x34	023 196
5	Limiter on the right E4-8	205 344	507	Shim0,1x18,5x34	023 197
9	Locating wire ø2,8	207 270	508	Shim0,2x18,5x34	023 253



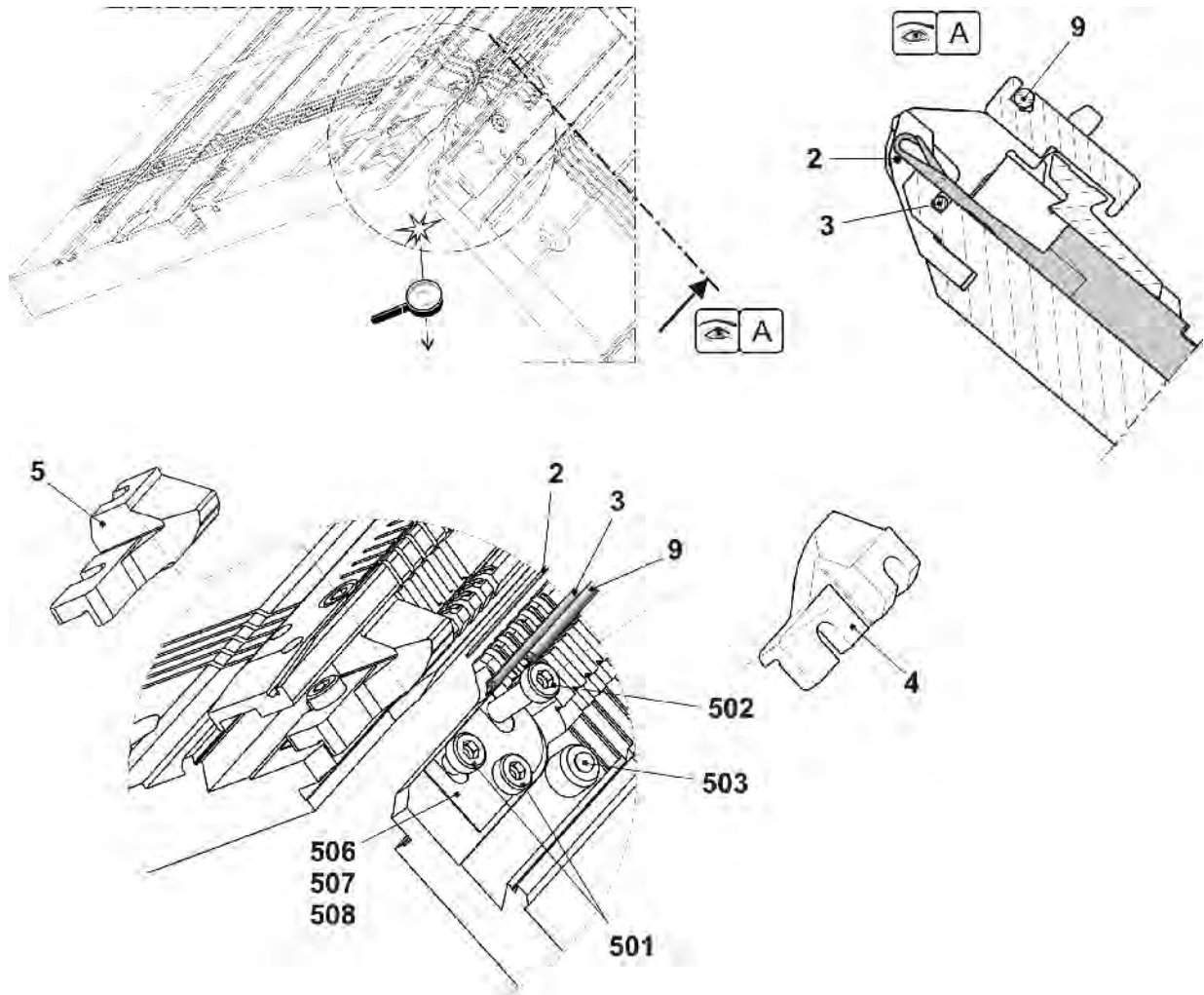
4.5 Needle bed E2,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rear E2,5.2m.4L	260 674			
4a	Needle E2,5.2-3,5.2m.4L	258 694	90	Locating wire D=2,8	207 270
4b	Coupling part E5 - E8	253 381	140	Needle bar on the left at the front	237 835
5	Intermediate slider with brake E5 - E8	237 323	150	Needle bar rear on the right	237 836
6a	Selection jack E4 - E8	200 687	160	Cover rail at the rear	250 572
6b	Selector spring E4 - E8	200 690	170	Cover rail at the front E5	255 538
7	Knock-over bit E5	204 996	220	Needle bar on the left at the rear	253 908
8	Holding-down jack E5	205 031	230	Needle bar on the right at the rear	253 910
10	Needle bed at the front + rear E2,5.2	251 619	500	Cap screw M5x10	022 918
20	Holding-down jack bed at the rear E2,5.2	260 672	502	Cap screw M5x22	023 193
30	Holding-down jack bed at the front E2,5.2	260 671	42*	Disk brush	202 600
70	Cover rail	250 575	43*	Adjusting bolt	251 772
80	Cover rail	250 576	540*	Cap screw M5x12	020 032



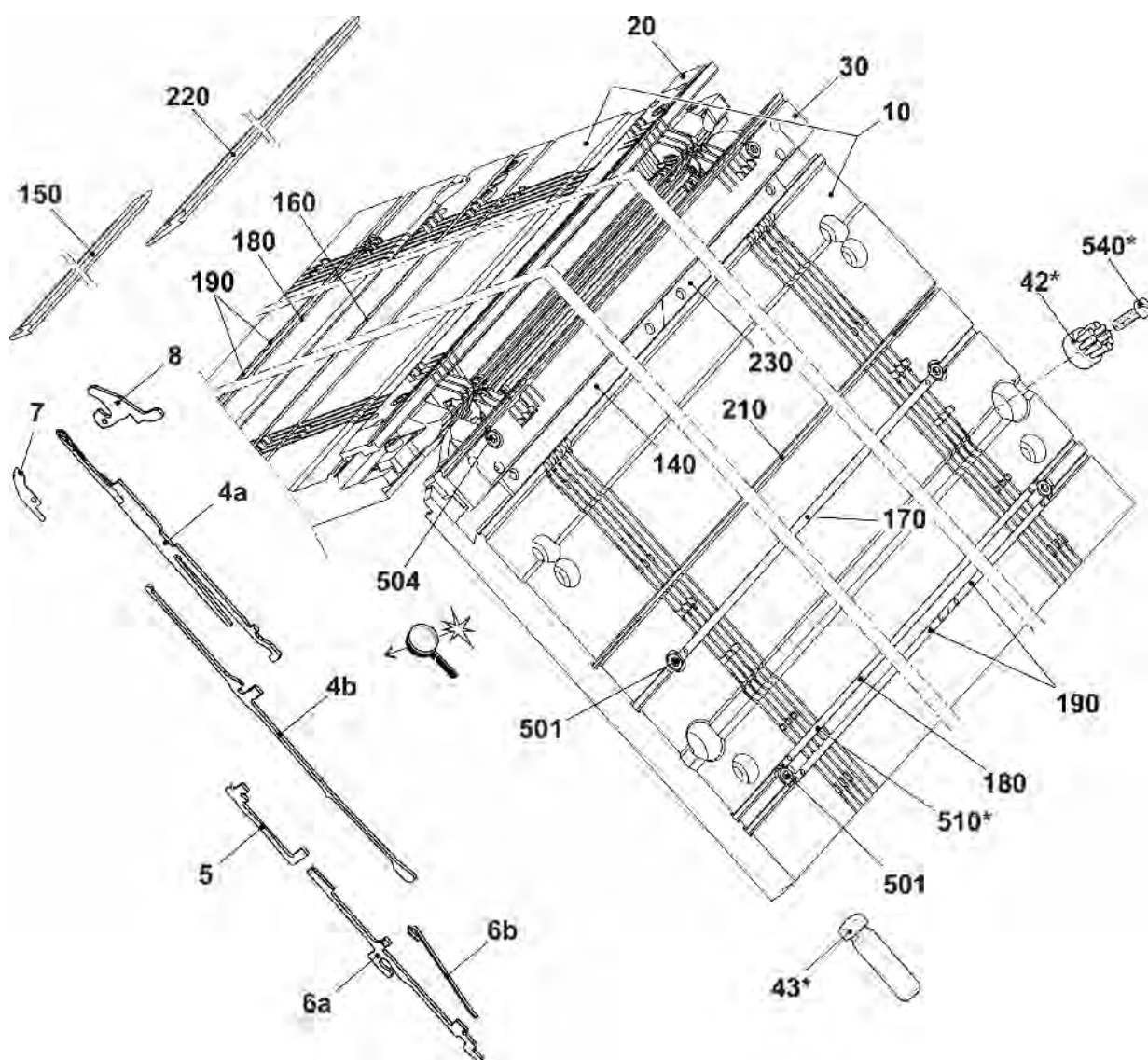
4.5.1 Continuation needle bed E2,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rear E2,5.2m.4L	260 674	501	Cap screw M5x8	023 154
2	Spring steel wire ø 1,0	207 482	502	Cap screw M5x22	023 193
3	Spring steel wire ø 2,0	207 269	503	Springy thrust piece	023 177
4	Limiter on the left E4-8	205 343	506	Shim0,05x18,5x34	023 196
5	Limiter on the right E4-8	205 344	507	Shim0,1x18,5x34	023 197
9	Locating wire ø2,8	207 270	508	Shim0,2x18,5x34	023 253



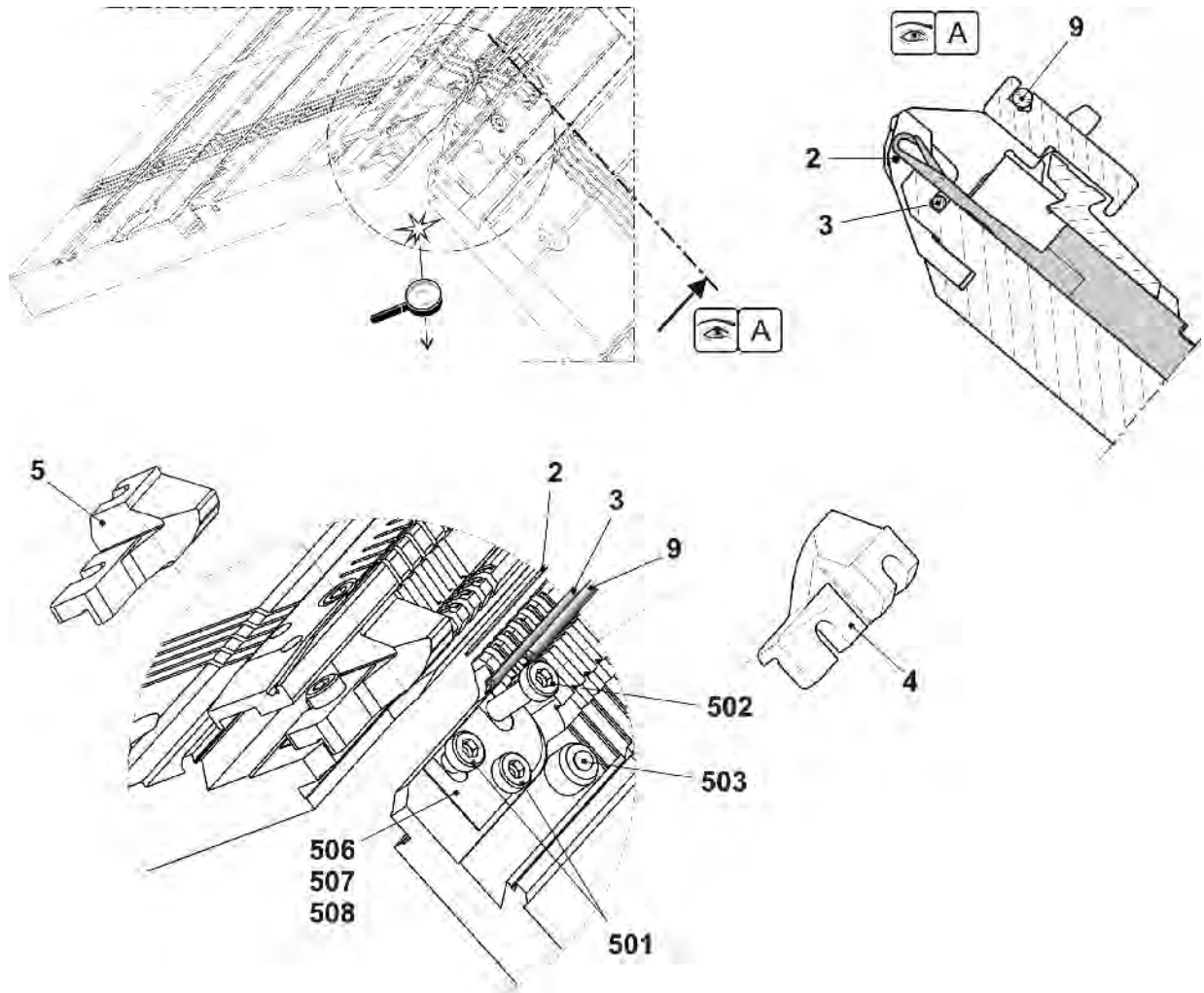
4.6 Needle bed E3,5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rear E3,5.2	252 671			
4a	Needle E2,5.2-3,5.2	232 581	160	Cover rail at the rear	250 572
4b	Coupling part E5-E8	253 381	170	Cover rail at the front E7	255 539
5	Intermediate slider with brake E5 – E8	237 323	180	Cover rail	250 575
6a	Selection jack E4 – E8	200 687	190	Cover rail	250 576
6b	Selector spring E4 – E8	200 690	210	Locating wire ø2,8	207 270
7	Knock-over bit E7	207 055	220	Needle bar on the left at the rear	253 908
8	Holding-down jack E7	205 032	230	Needle bar on the right at the rear	253 910
10	Needle bed at the front + rear E7	251 620	501	Cap screw M5x10	022 918
20	Holding-down jack bed at the rear E3,5.2	250 916	504	Cap screw M5x22	023 193
30	Holding-down jack bed at the front E3,5.2	250 915	42*	Disk brush	202 600
140	Needle bar on the left at the front	237 835	43*	Adjusting bolt	251 772
150	Needle bar rear on the right	237 836	540*	Cap screw M5x12	020 032



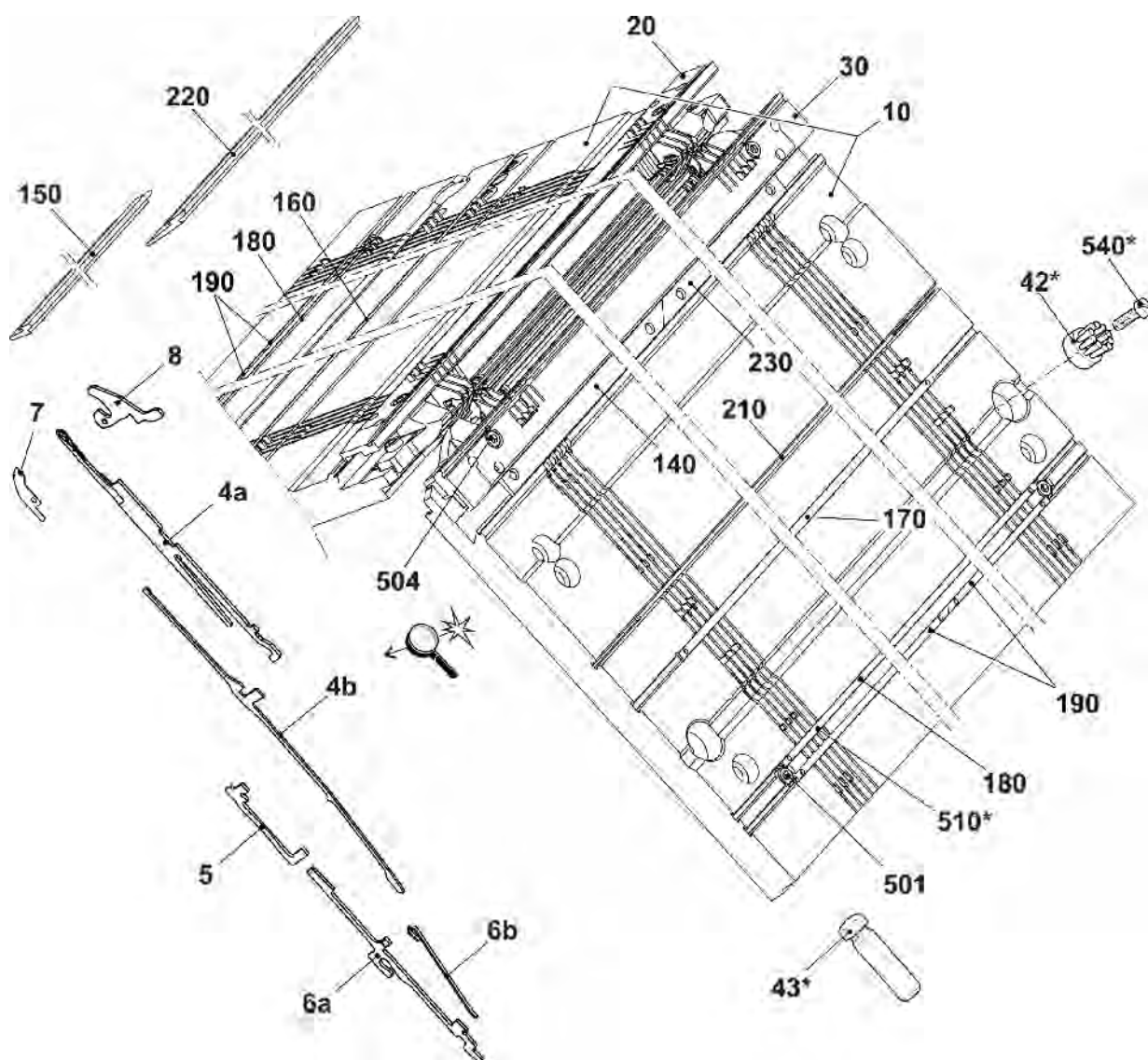
4.6.1 Continuation needle bed E3,5.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rearE3,5.2	252 671	501	Cap screw M5x8	023 154
2	Spring steel wire ø 0,8	207 483	502	Cap screw M5x22	023 193
3	Spring steel wire ø 2,0	207 269	503	Springy thrust piece	023 177
4	Limiter on the left E4-8	205 343	506	Shim0,05x18,5x34	023 196
5	Limiter on the right E4-8	205 344	507	Shim0,1x18,5x34	023 197
9	Locating wire ø2,8	207 270	508	Shim0,2x18,5x34	023 253



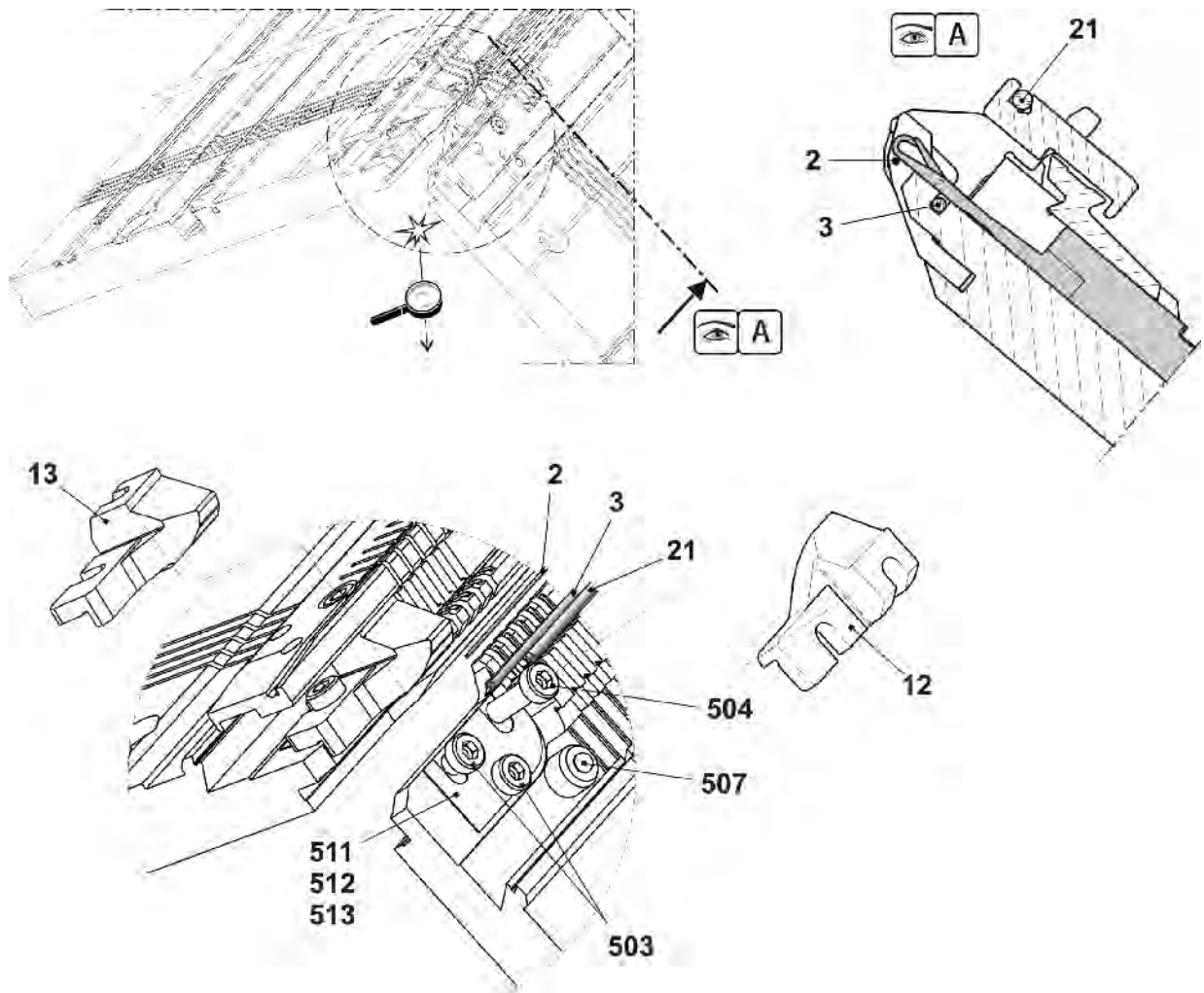
4.7 Needle bed E3,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rear E3,5.2m.4L	260 115			
4a	Needle E2,5.2+3,5.2m.4L	258 694	160	Cover rail at the rear	250 572
4b	Coupling part E5-8	253 381	170	Cover rail at the front E7	255 539
5	Intermediate slider with brake E5 – E8	237 323	180	Cover rail	250 575
6a	Selection jack E4 – E8	200 687	190	Cover rail	250 576
6b	Selector spring E4 – E8	200 690	210	Locating wire ø2,8	207 270
7	Knock-over bit E7	207 055	220	Needle bar on the left at the rear	253 908
8	Holding-down jack E7	205 032	230	Needle bar on the right at the rear	253 910
10	Needle bed at the front + rear E7	251 620	501	Cap screw M5x10	022 918
20	Holding-down jack bed at the rear E3,5.2	250 916	504	Cap screw M5x22	023 193
30	Holding-down jack bed at the front E3,5.2	250 915	42*	Disk brush	202 600
140	Needle bar on the left at the front	237 835	43*	Adjusting bolt	251 772
150	Needle bar rear on the right	237 836	540*	Cap screw M5x12	020 032



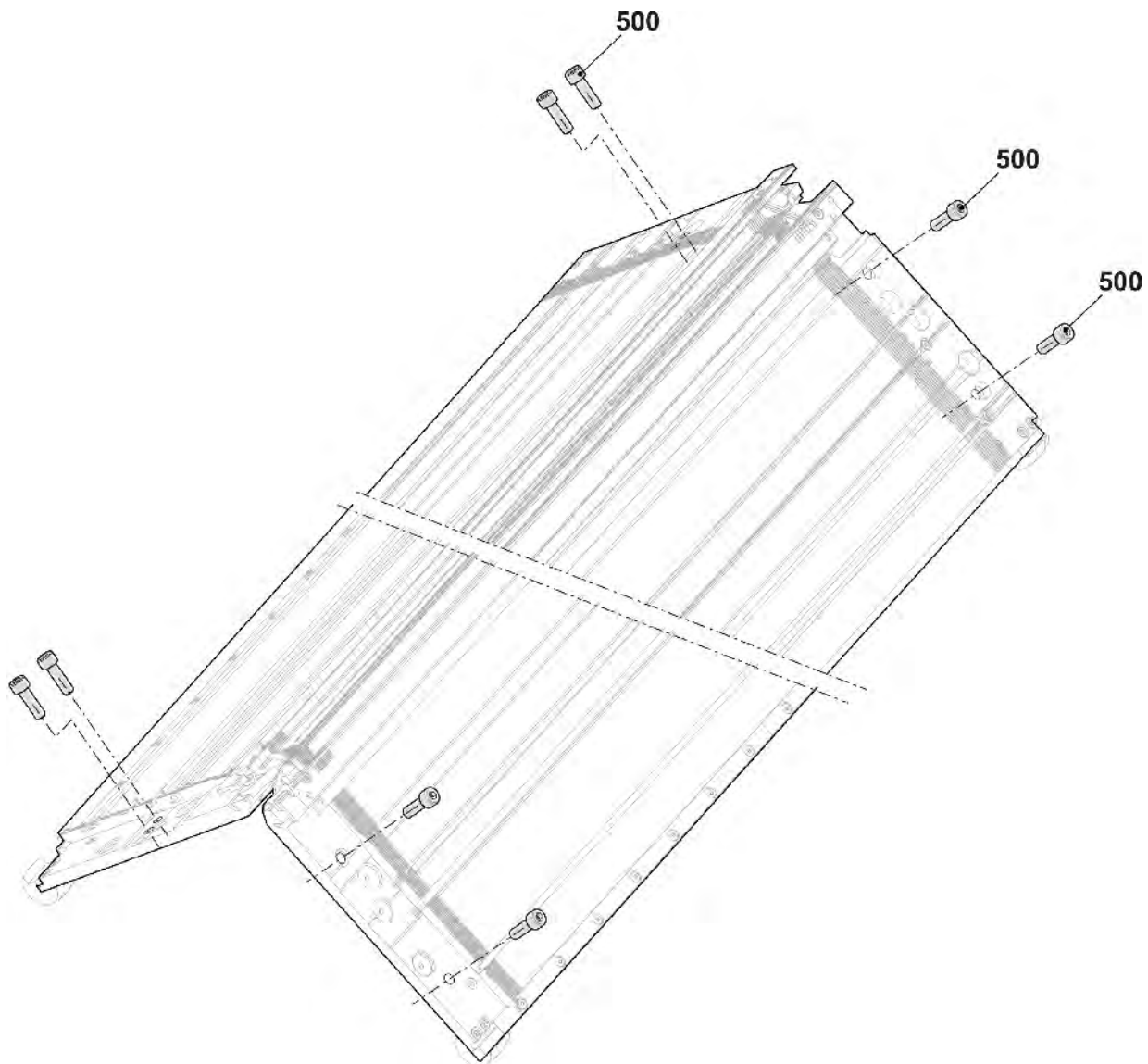
4.7.1 Continuation needle bed E3,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rearE3,5.2m.4L	260 115	503	Cap screw M5x8	023 154
2	Spring steel wire ø 0,8	207 483	504	Cap screw M5x22	023 193
3	Spring steel wire ø 2,0	207 269	507	Springy thrust piece	023 177
12	Limiter on the left E4-8	205 343	511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4-8	205 344	512	Shim0,1x18,5x34	023 197
21	Locating wire ø2,8	207 270	513	Shim0,2x18,5x34	023 253



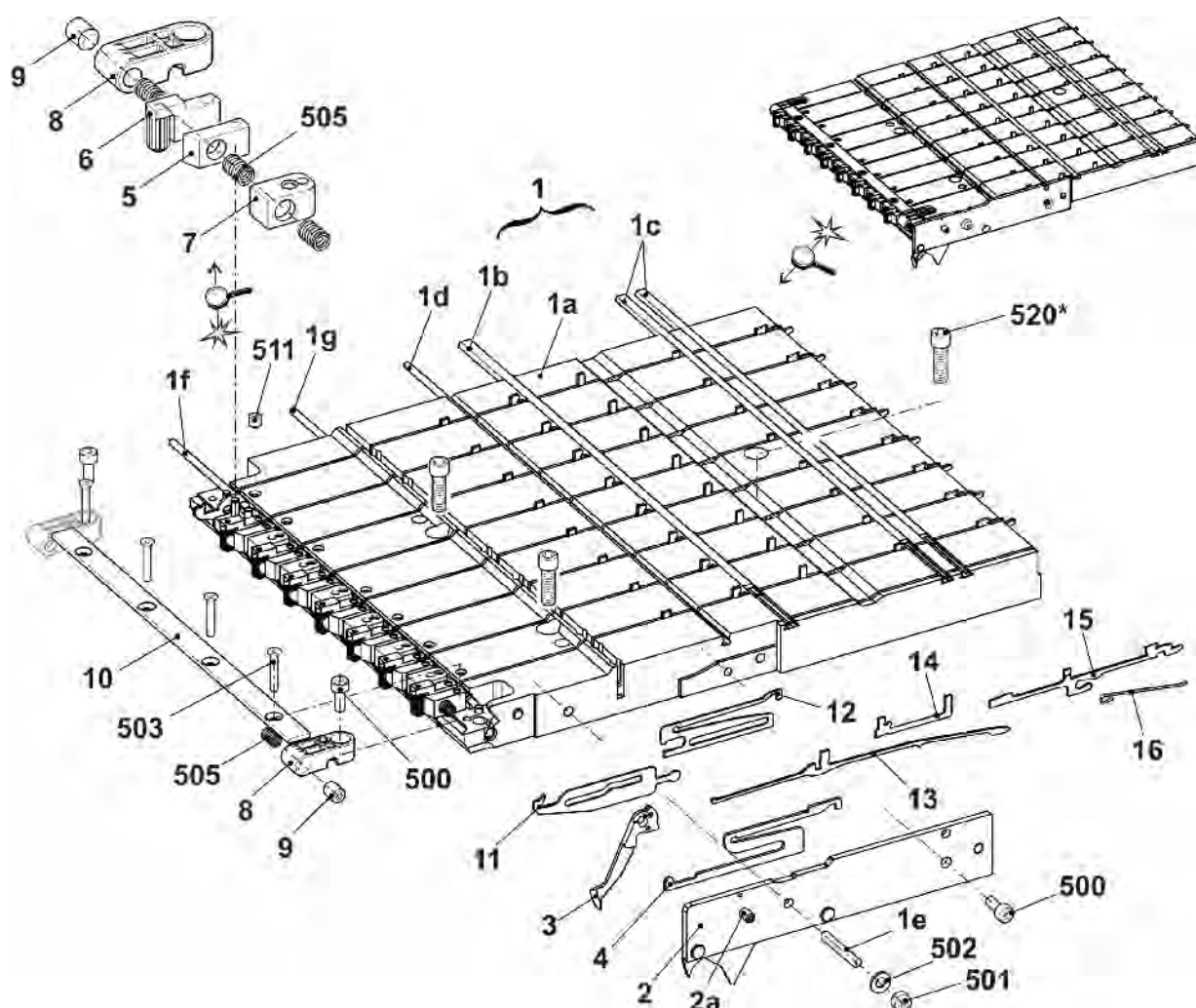
4.8 Needle beds, connection screws

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Connection screws		500	Cap screw M8x25	020 142



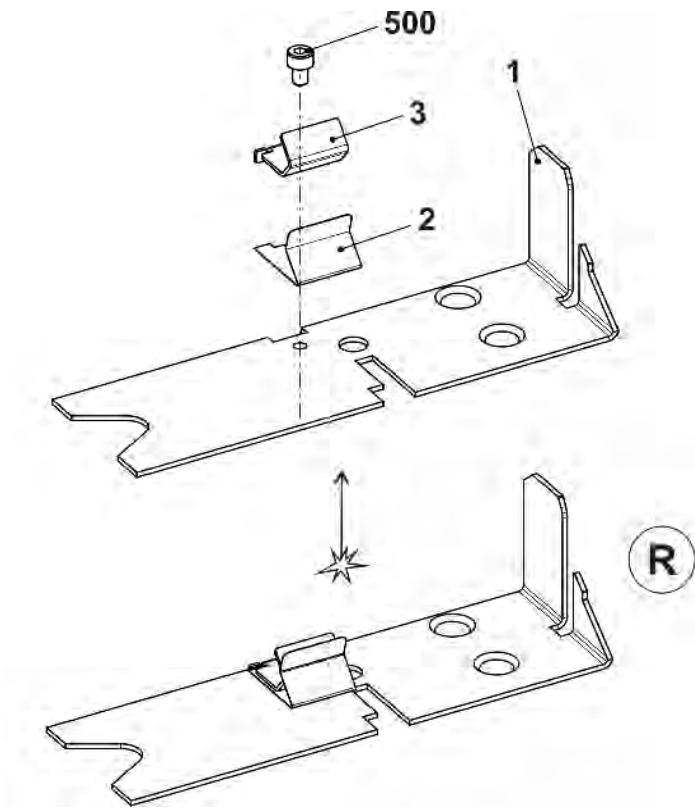
4.9 Clamping/cutting bed on the right

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

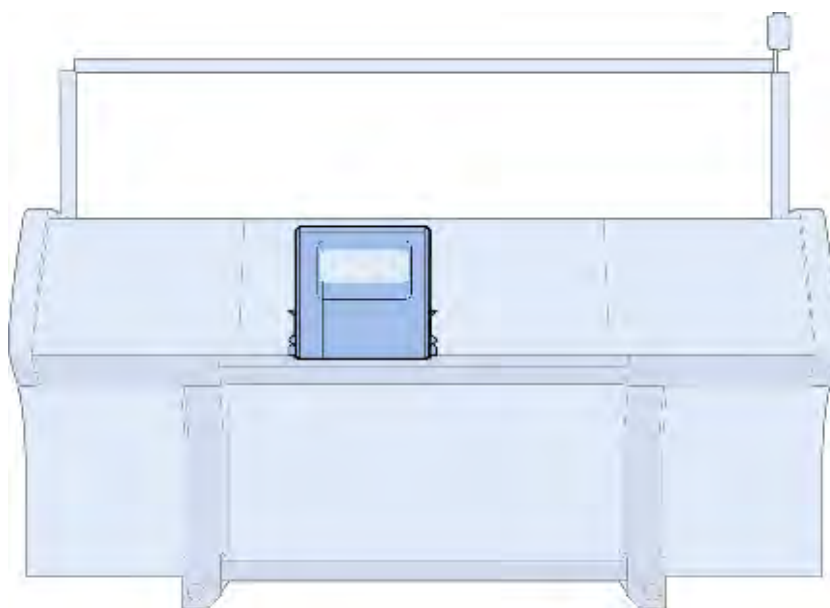


4.10 Yarn brake at clamping and cutting bed

Pos	Designation	Id	Pos	Designation	Id
Σ R	Yarn brake on the right	256 715			
3	Cover on the right	256 714	2	Test clamping plate	256 713
1	Leaf spring	256 712	500	Cap screw M4x6	023 067

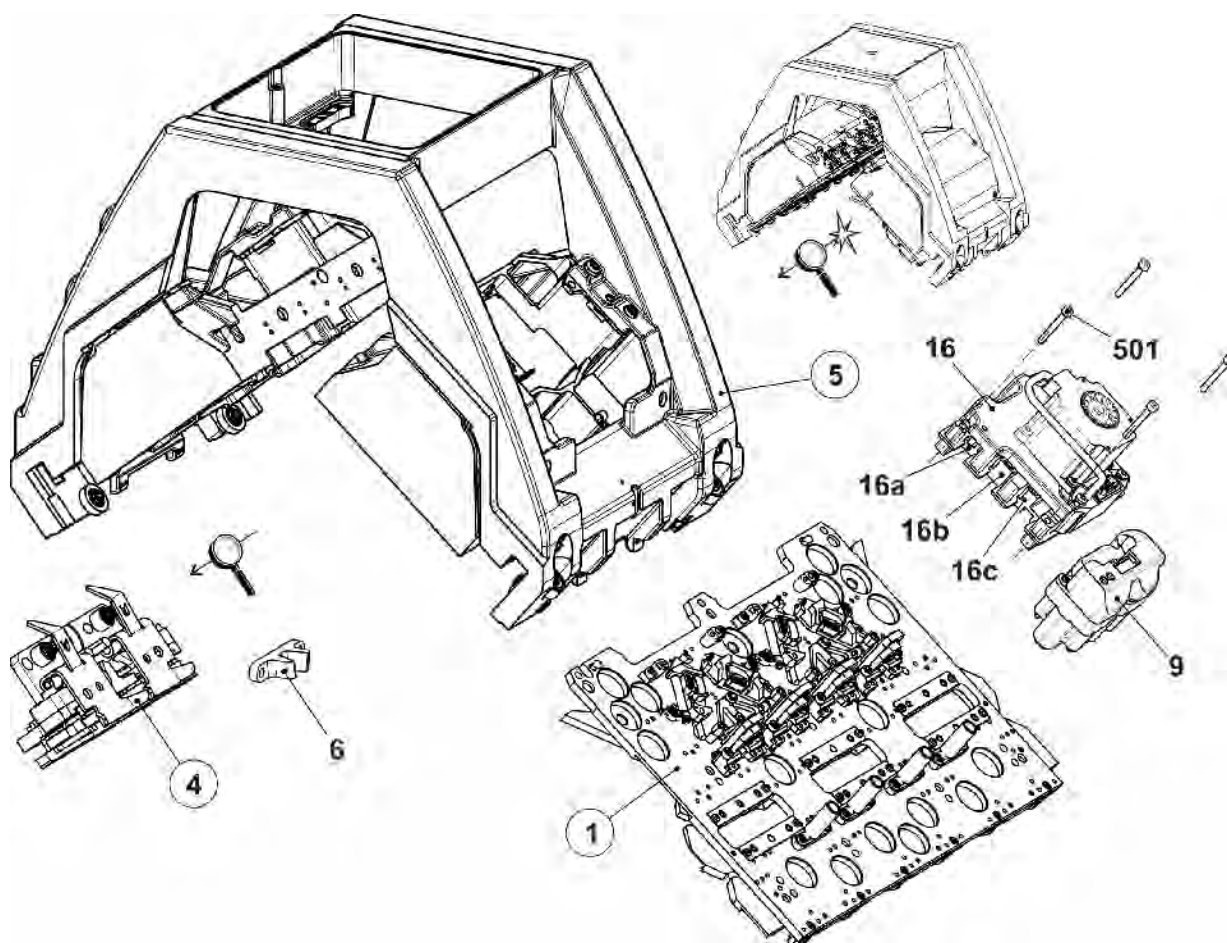


5 Carriage



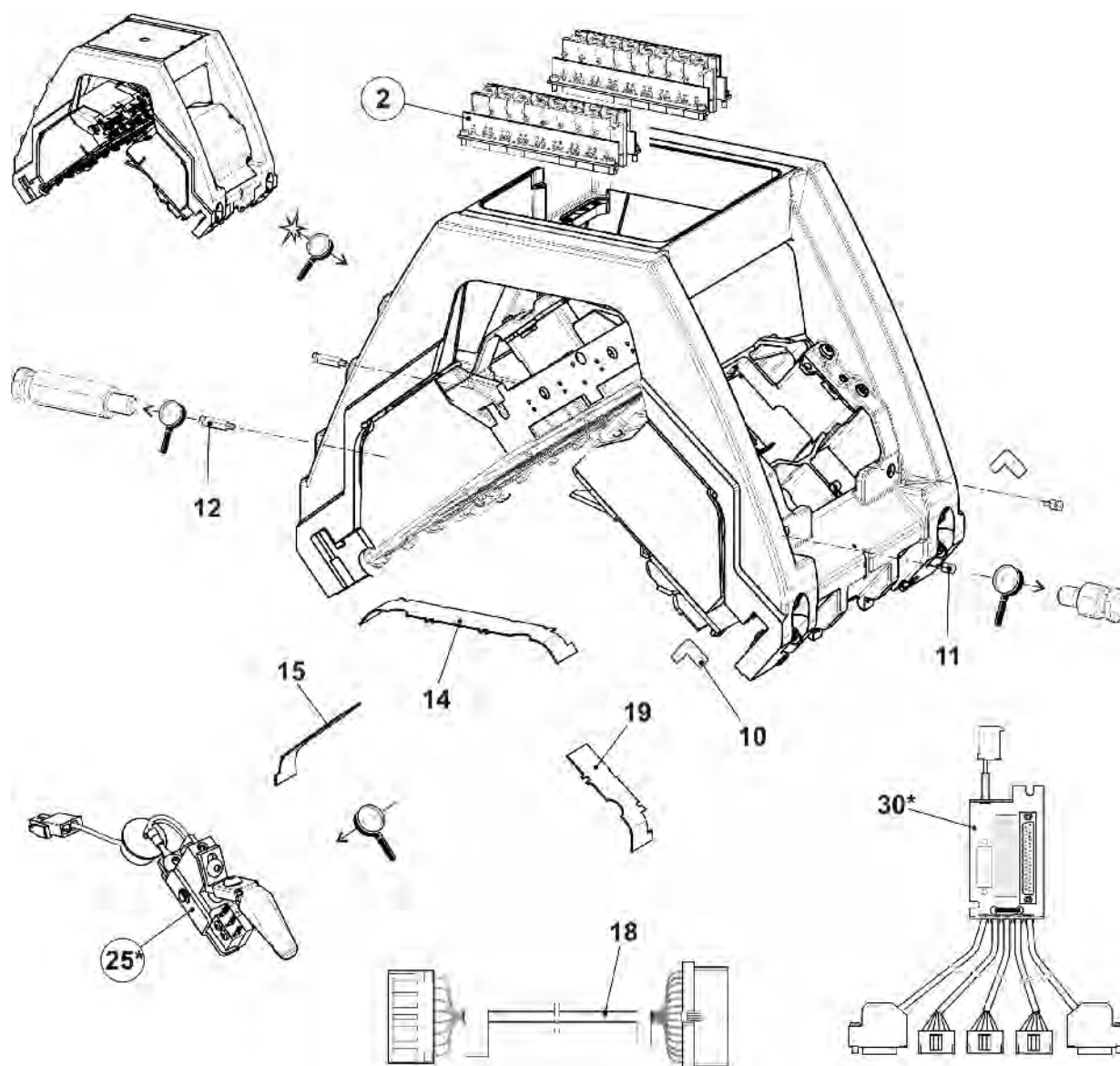
5.1 Overview of carriage

Pos	Designation	Id	Pos	Designation	Id
Σ	Carriage complete		1	Cam box complete	
	E5 E7m.5 E2,5.2 E3,5.2	256 079		E5 E7m.5 E2,5.2 E3,5.2	250 983
	E7	256 080		E7	250 673
	E3,5.2m.4L E2,5.2m-4L	260 116		E3,5.2m.4L E2,5.2m-4L	260 117
4	Holding-down jack control	213 266	16a	Gear rack at the top	209 781
5	Carriage assembly 2 cam boxes complete 502	256 497	16b	Gear rack in the middle	209 782
6	Plunger	210 559	16c	Gear rack at the bottom	209 783
9	Selection system complete E2-8	216 218	501	Cap screw M4x30	023 290
16	Motor unit complete	253 531			



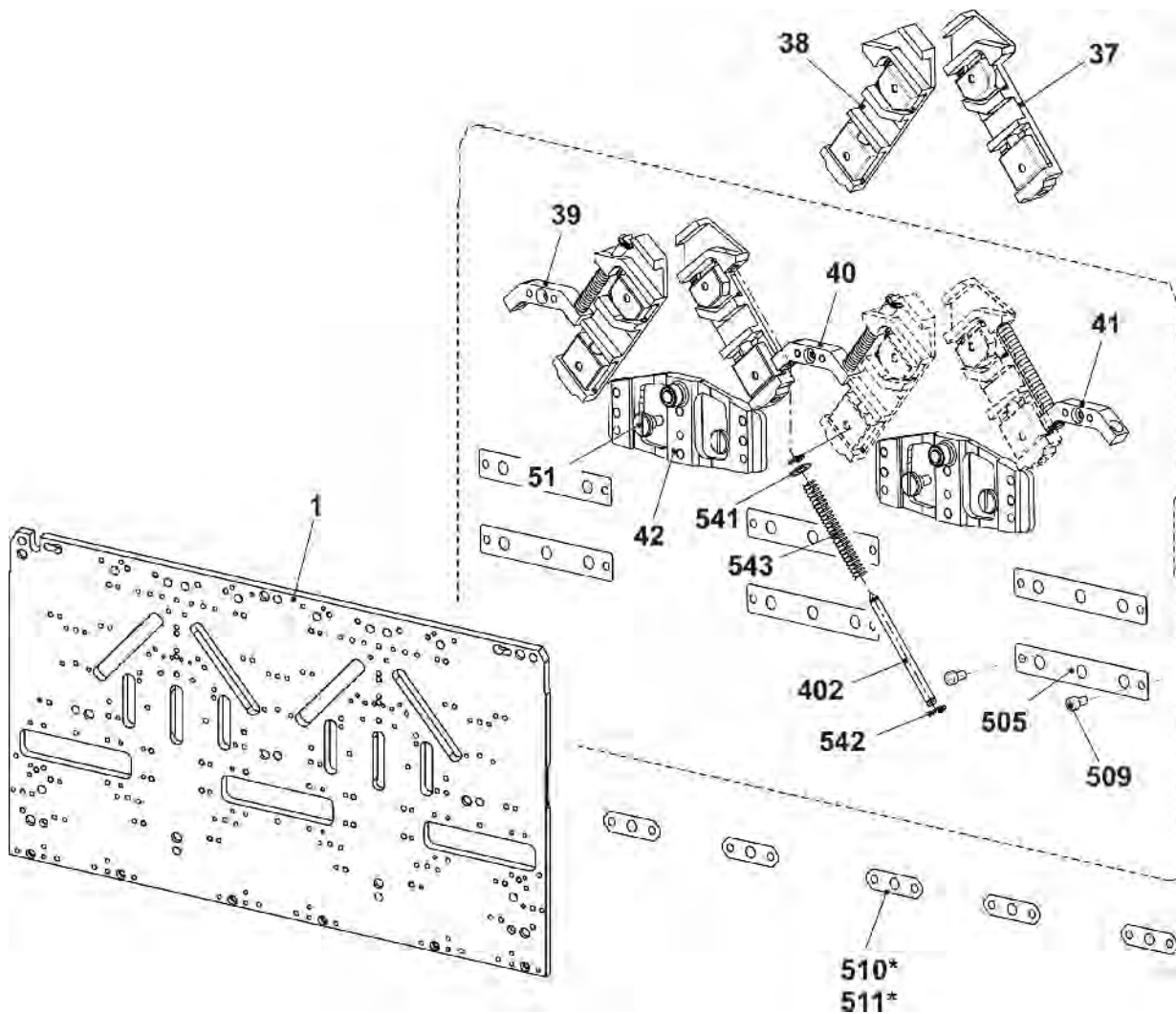
5.2 Overview of carriage, continuation

Pos	Designation	Id	Pos	Designation	Id
Σ	Carriage complete, continuation				
2	FF driving outside complete	241 080	14	Cover plate at the top	250 594
8	Cable connection YC output stage OKC	240 651	15	Cover plate at the bottom	250 595
10	Wiper felt	241 411	19	Cover plate at the bottom	251 127
11	Bolts	212 392	25*	Needle detector	221 238
12	Bolts	212 204	30*	Distributor at the rear and the front420 ECO2	252 009



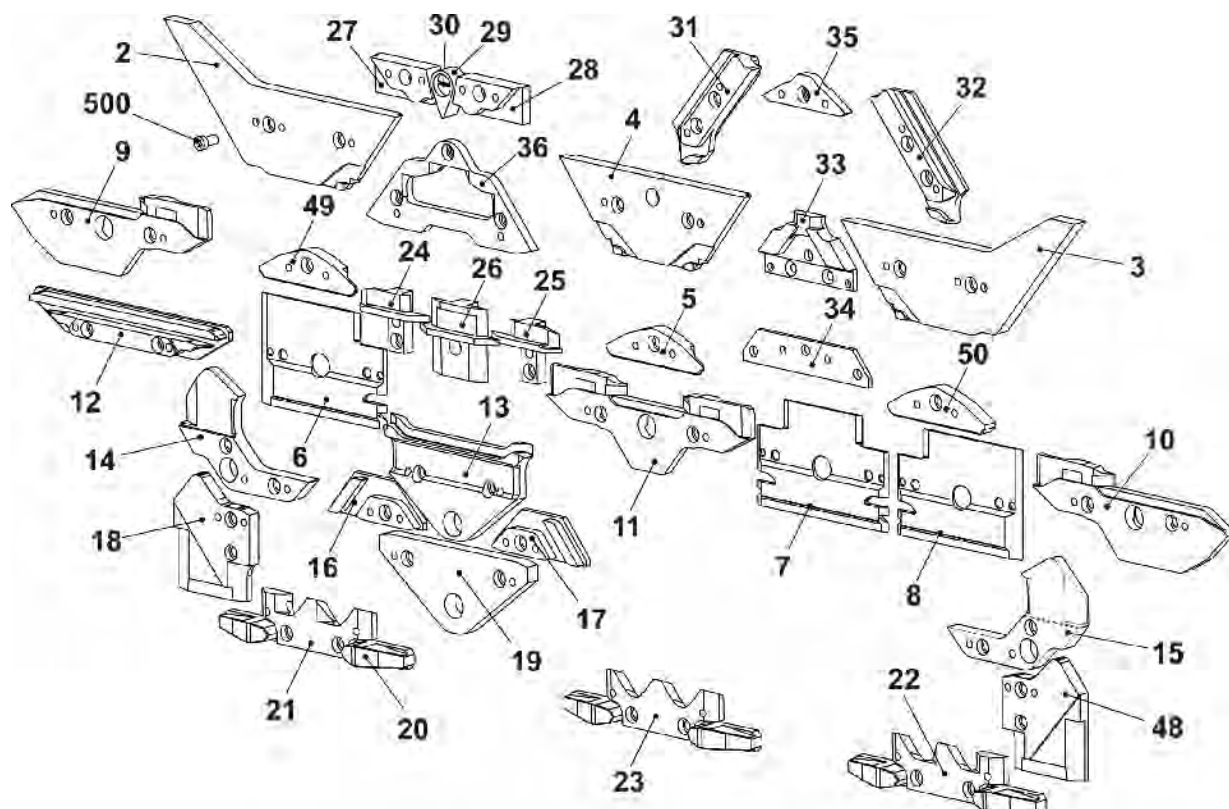
5.3 Cam box E5 | E2,5.2 | E3,5.2 | E7m.5

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E5	250 983			
1	Cam plate	250 177	542	Circlip 3,2	021 019
37	Loop sinking cam on the right completeE5-10	211 163	543	Compression spring	250 515
38	Loop sinking cam on the left completeE5-10	211 164	42	Switching piece	240 281
39	Rod guide element on the left	211 165	51	Shoulder screw	239 626
40	Rod guide element in the middle	211 166	505	Shim0,03x12x75	022 828
41	Rod guide element on the right	211 168	509	Pan-head screw	023 142
402	Spring rod	209 791	510*	Shim0,03x8x28	023 452
541	Disk4,1x6x0,5	022 893	511*	Shim0,5x8x28	023 020



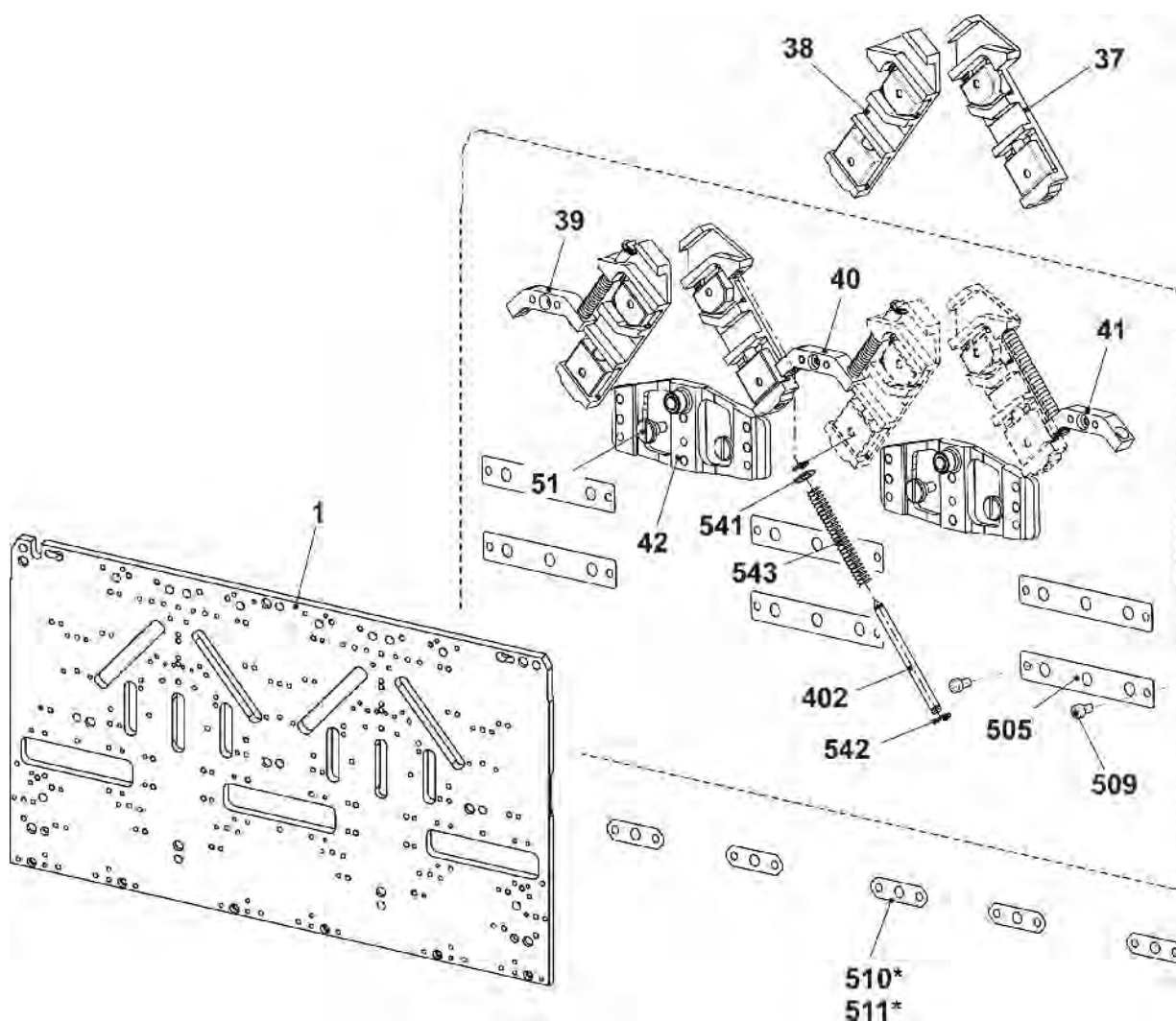
5.3.1 Continuation cam box E5 | E2,5.2 | E3,5.2 | E7m.5

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E5	250 983			
2	Entry cam on the left	213 304	22	Selection cam on the right	212 947
3	Entry cam on the right	213 303	23	Selection cam	212 946
4	Entry cam at the top	210 285	24	Pressure part receiving on the left	239 848
5	Entry cam in the middle bottom E2,5.2 + E3,5.2	235 719	25	Pressure part receiving on the right	239 849
6	Plate on the left	260 605	26	Tuck pressure part	239 621
7	Plate in the middle	260 604	27	Limiting cam on the left E5	210 289
8	Plate on the right	260 606	28	Limiting cam on the right E5	210 290
9	Cam on the left	231 039	29	Pointer E2,5.2 + E3,5.2	229 505
10	Cam part at the right	231 041	30	Screw	210 335
11	Cam part at the center	231 040	31	Stitch cam on the left E2,5.2 + E3,5.2	235 712
12	Cam part	260 592	32	Stitch cam on the right E2,5.2 + E3,5.2	235 713
13	Cam part	210 254	33	Tuck limiting cam E5	214 051
14	Cam on the left E5-14	212 265	34	Raising cam plate E4-12	204 372
15	Cam at the right E5-14	212 266	35	Receiving cam E5	210 386
16	Cam on the left	236 192	36	Raising cam without split-stitch E5	213 302
17	Cam part at the right	236 193		Raising cam with split-stitch E5 Accessories	213 294
18	Cam on the left E5-14	212 274	48	Cam at the right E5-14	212 275
19	Cam part	210 252	49	Entry cam at the bottom on the left E5-8	235 718
20	Offering cam	210 185	50	Entry cam at the bottom on the right E5-8	235 720
21	Selection cam on the left	212 944	500	Cap screw M4x8	020 091



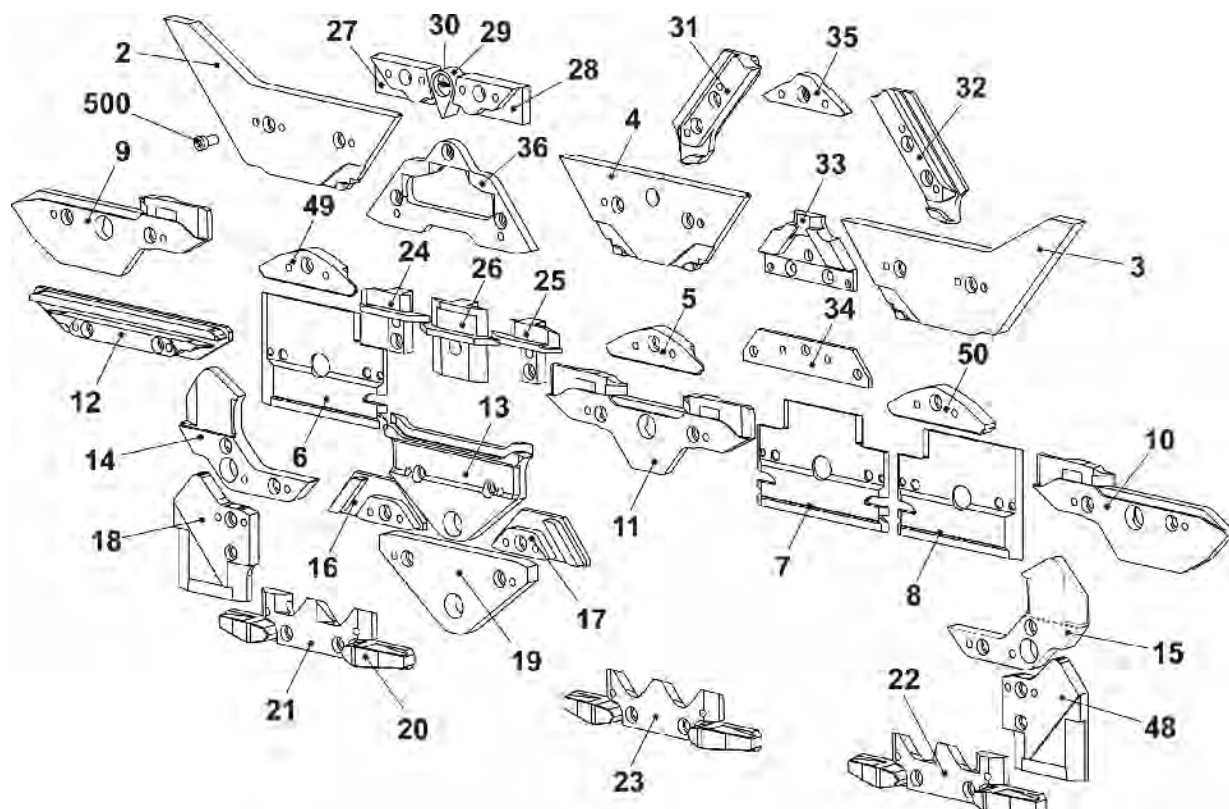
5.4 Cam box E7

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E7	250 673			
1	Cam plate	250 177	542	Circlip 3,2	021 019
37	Loop sinking cam on the right completeE5-10	211 163	543	Compression spring	250 515
38	Loop sinking cam on the left completeE5-10	211 164	42	Switching piece	240 281
39	Rod guide element on the left	211 165	51	Shoulder screw	239 626
40	Rod guide element in the middle	211 166	505	Shim0,03x12x75	022 828
41	Rod guide element on the right	211 168	509	Pan-head screw	023 142
402	Spring rod	209 791	510*	Shim0,03x8x28	023 452
541	Disk4,1x6x0,5	022 893	511*	Shim0,5x8x28	023 020



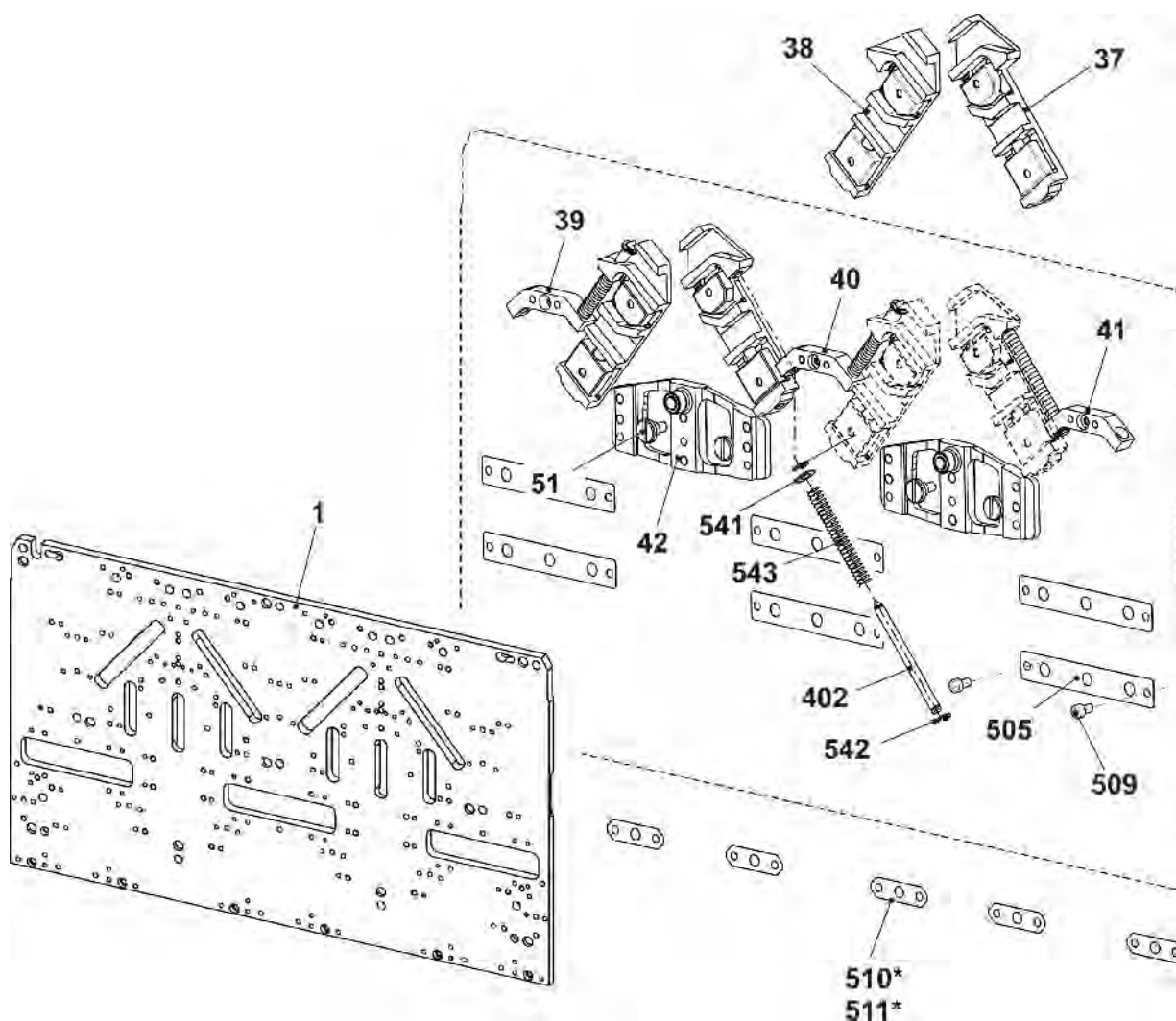
5.4.1 Continuation cam box E7

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E7	250 673			
2	Entry cam on the left	213 304	22	Selection cam on the right	212 947
3	Entry cam on the right	213 303	23	Selection cam	212 946
4	Entry cam at the top	210 285	24	Pressure part receiving on the left	239 848
5	Entry cam at the bottom E5-8	212 395	25	Pressure part receiving on the right	239 849
6	Plate on the left	260 605	26	Tuck pressure part	239 621
7	Plate in the middle	260 604	27	Limiting cam on the left E7-8	210 291
8	Plate on the right	260 606	28	Limiting cam on the right E7-8	210 292
9	Cam on the left	231 039	29	Pointer E5-8	210 336
10	Cam part at the right	231 041	30	Screw	210 335
11	Cam part at the center	231 040	31	Stitch cam on the left E7-8	210 324
12	Cam part	260 592	32	Stitch cam on the right E7-8	210 323
13	Cam part	210 254	33	Tuck limiting cam E7-8	255 056
14	Cam on the left E5-14	212 265	34	Raising cam plate E4-12	204 372
15	Cam at the right E5-14	212 266	35	Receiving cam E7-8	210 339
16	Cam on the left	236 192	36	Raising cam without split-stitchE7-8	255 055
17	Cam part at the right	236 193		Raising cam with split-stitchE7-8 (Accessory)	255 192
18	Cam on the left E5-14	212 274	48	Cam at the right E5-14	212 275
19	Cam part	210 252	49	Entry cam on the left E5-8	213 161
20	Offering cam	210 185	50	Entry cam on the right E5-8	213 162
21	Selection cam on the left	212 944	500	Cap screw M4x8	020 091



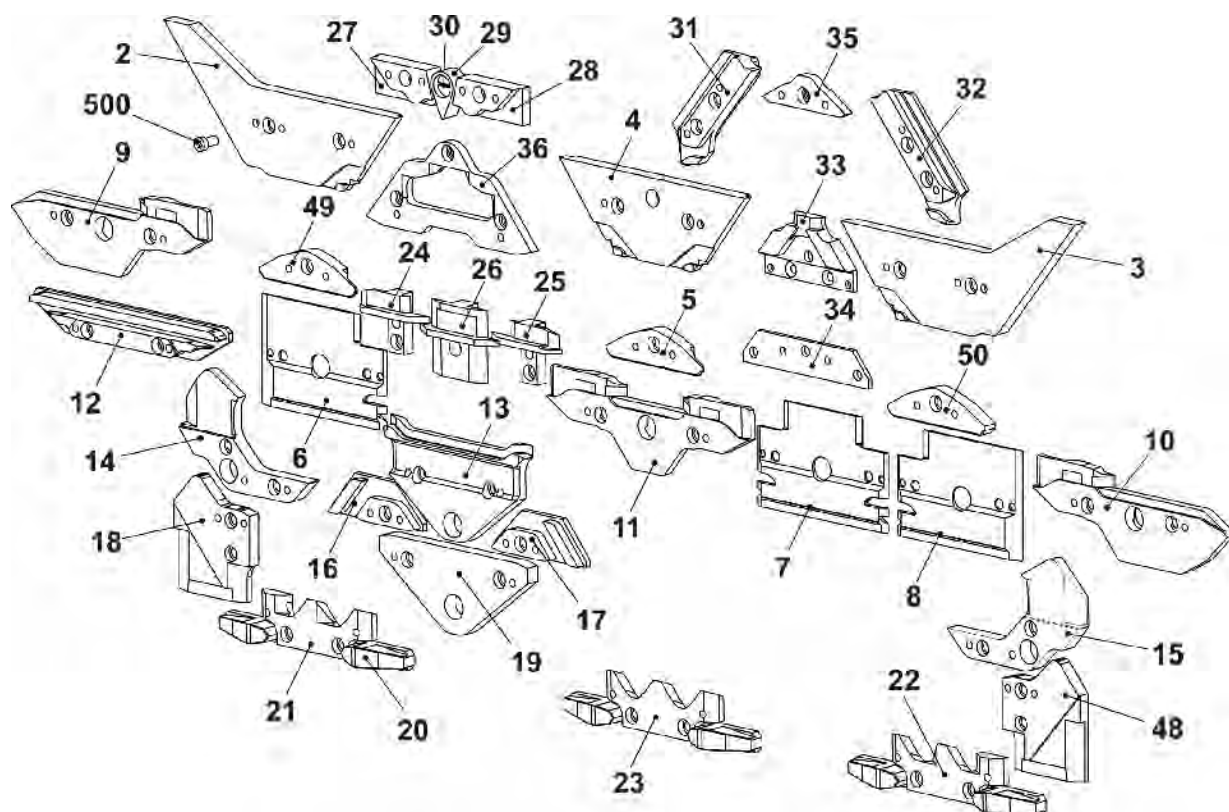
5.5 Cam box E2,5.2m.4L | E3,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E3,5.2m.4L	260 117			
1	Cam plate	250 177	542	Circlip 3,2	021 019
37	Loop sinking cam on the right completeE5-10	211 163	543	Compression spring	250 515
38	Loop sinking cam on the left completeE5-10	211 164	42	Switching piece	240 281
39	Rod guide element on the left	211 165	51	Shoulder screw	239 626
40	Rod guide element in the middle	211 166	505	Shim0,03x12x75	022 828
41	Rod guide element on the right	211 168	509	Pan-head screw	023 142
402	Spring rod	209 791	510*	Shim0,03x8x28	023 452
541	Disk4,1x6x0,5	022 893	511*	Shim0,5x8x28	023 020



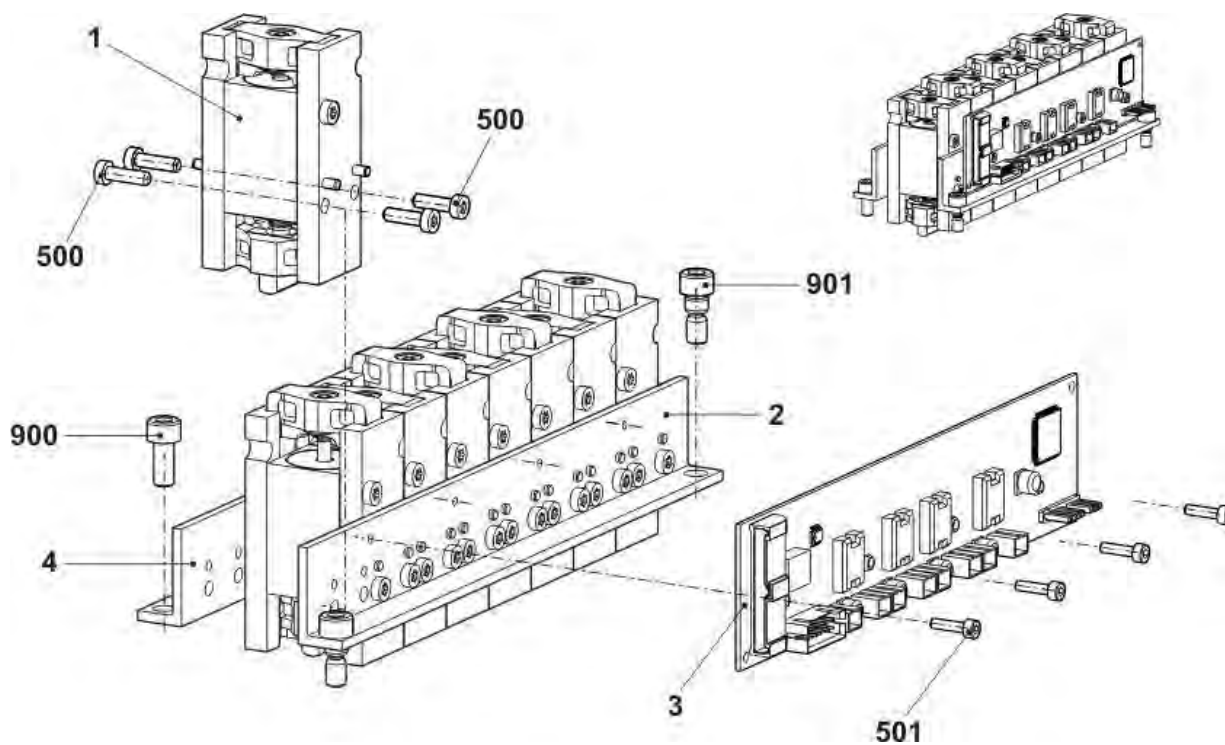
5.5.1 Continuation cam box E2,5m.4L | E3,5.2m.4L

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E3,5.2m.4L	260 117			
2	Entry cam on the left	213 304	22	Selection cam on the right	212 947
3	Entry cam on the right	213 303	23	Selection cam	212 946
4	Entry cam at the top	210 285	24	Pressure part receiving on the left	239 848
5	Entry cam in the middle bottom E2,5.2 + E3,5.2	235 719	25	Pressure part receiving on the right	239 849
6	Plate on the left	260 605	26	Tuck pressure part	239 621
7	Plate in the middle	260 604	27	Limiting cam on the left E2,5.2m.4L+3,5.2m.4L	259 006
8	Plate on the right	260 606	28	Limiting cam on the right E2,5.2m.4L+3,5.2m.4L	259 007
9	Cam on the left	231 039	29	Pointer E2,5.2 + E3,5.2	229 505
10	Cam part at the right	231 041	30	Screw	210 335
11	Cam part at the center	231 040	31	Stitch cam on the left E2,5.2 + E3,5.2	235 712
12	Cam part	260 592	32	Stitch cam on the right E2,5.2 + E3,5.2	235 713
13	Cam part	210 254	33	Tuck limiting cam E2,5.2m.4L+3,5.2m.4L	259 010
14	Cam on the left E5-14	212 265	34	Raising cam plate E4-12	204 372
15	Cam at the right E5-14	212 266	35	Receiving cam E2,5.2m.4L+3,5.2m.4L	259 008
16	Cam on the left	236 192	36	Raising cam without split-stitch E2,5.2m.4L +3,5.2m.4L	259 009
17	Cam part at the right	236 193		Raising cam with split-stitch E2,5.2m.4L +3,5.2m.4L	259 011
18	Cam on the left E5-14	212 274	48	Cam at the right E5-14	212 275
19	Cam part	210 252	49	Entry cam at the bottom on the left E5-8	235 718
20	Offering cam	210 185	50	Entry cam at the bottom on the right E5-8	235 720
21	Selection cam on the left	212 944	500	Cap screw M4x8	020 091



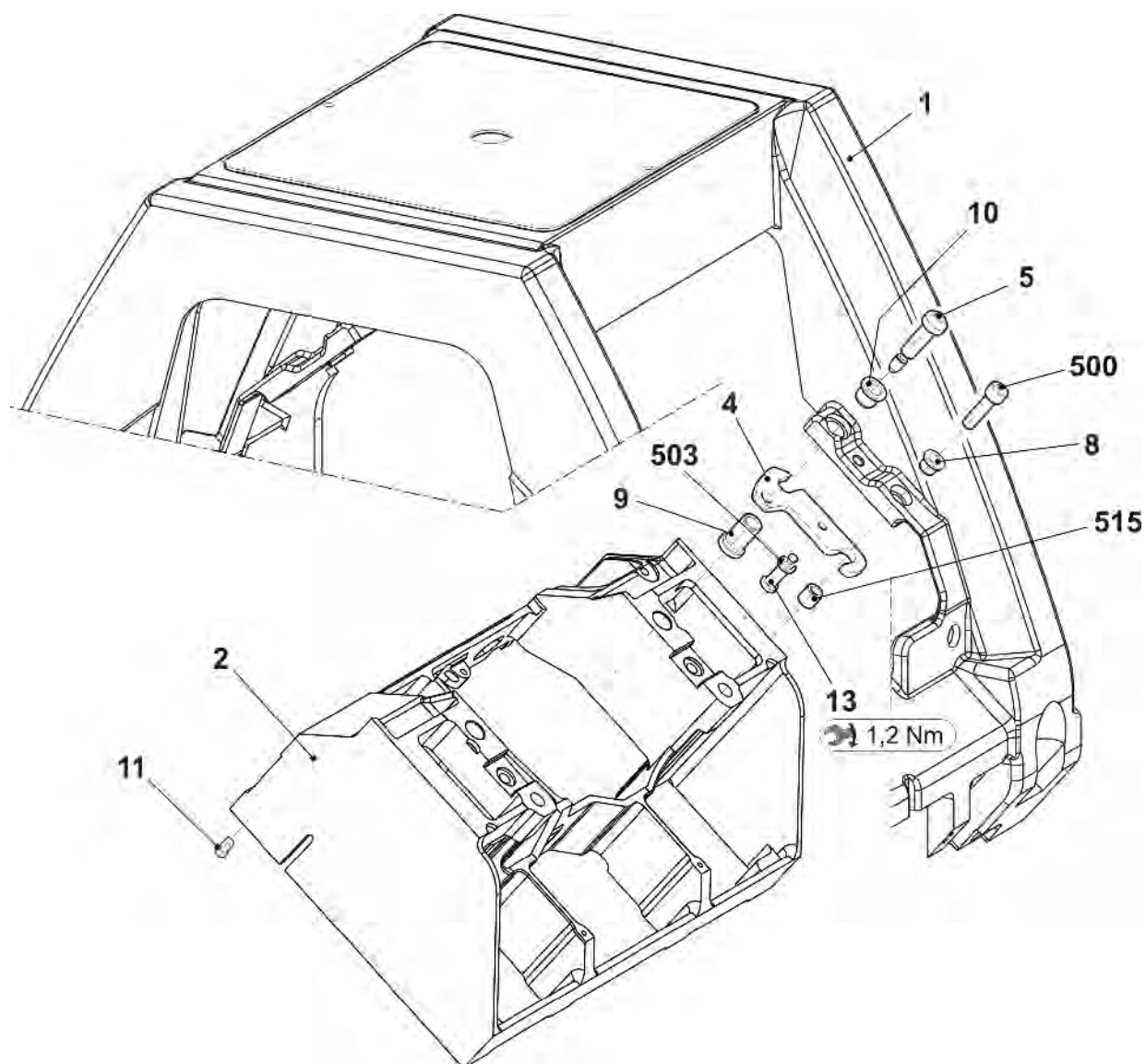
5.6 Yarn carrier driving without guide part

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



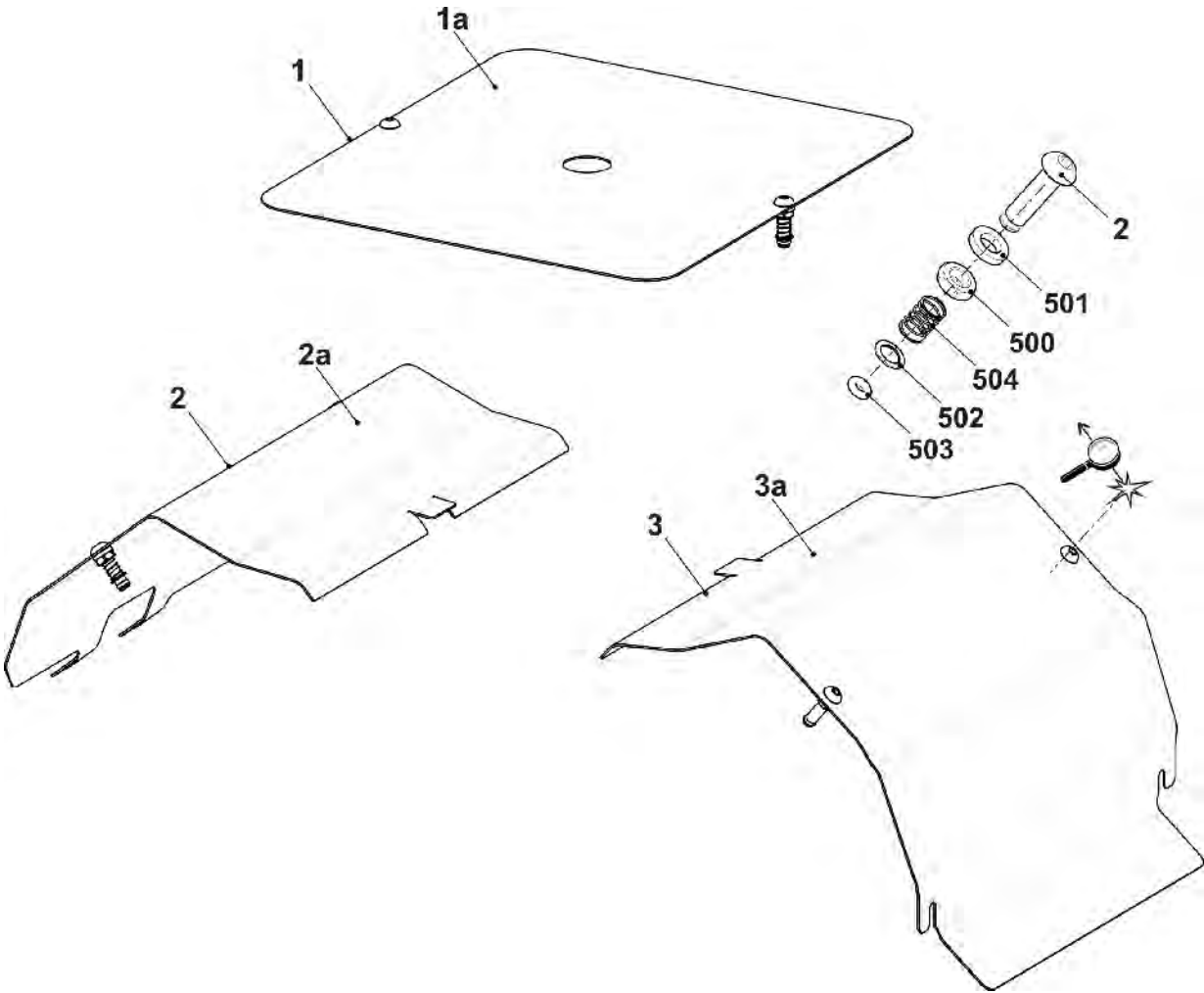
5.7 Carriage assembly

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Carriage assembly 2 cam boxes complete 502	256 497			
1	Carriage frame, 2 cam boxes	259 015	10	Bush	209 274
2	Carriage part, 2 cam boxes	253 402	11	Eccentric	222 983
4	Shim	225 312	13	Locating bolt linking spot	244 179
5	Shoulder screw	211 750	500	Cap screw M8x30	020 143
8	Bush	207 546	503	Circlip6	021 022
9	Bush	209 275	515	Threaded bush	041 863



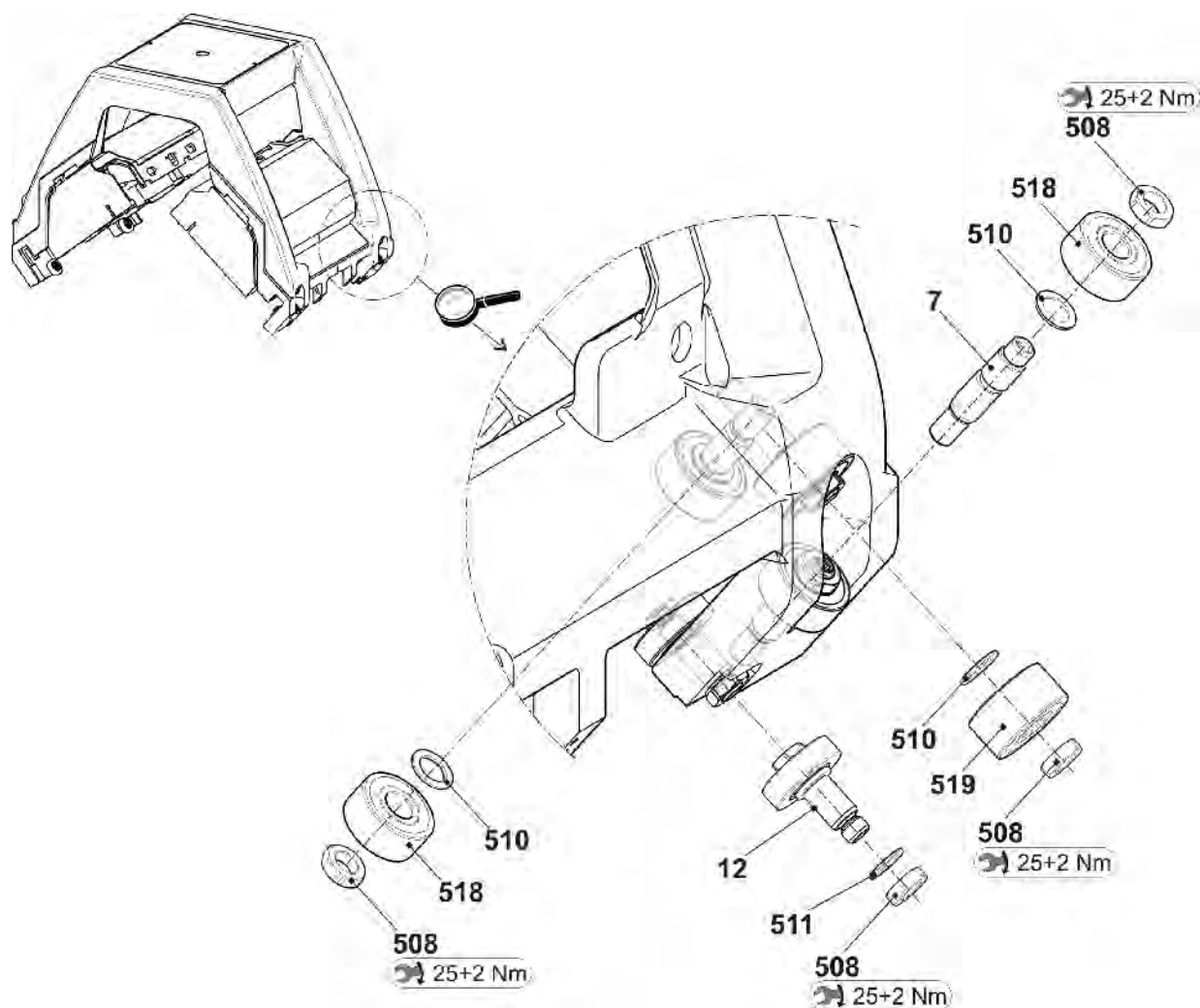
5.8 Carriage cover

Pos	Designation	ID	Pos	Designation	ID
1	Carriage cover at the top 2 cam boxes complete	257 099	10	Locating bolt	242 382
	1a Carriage cover at the top 2 cam boxes 6Z	256 509	500	Hexagon nut M6	257 088
2	Carriage cover at the rear complete 2 cam boxes	257 159	501	Washer 6.1x9x0,5	023 554
	2a Carriage cover at the rear 2 cam boxes	256 734	502	Serrated lock washer 6,4	022 385
3	Carriage cover at the front 2 cam boxes complete	257 158	503	O-ring 3x2	242 420
	3a Carriage cover front 2 cam boxes	256 733	504	Compression spring 0,48x7,02x17,29	023 654



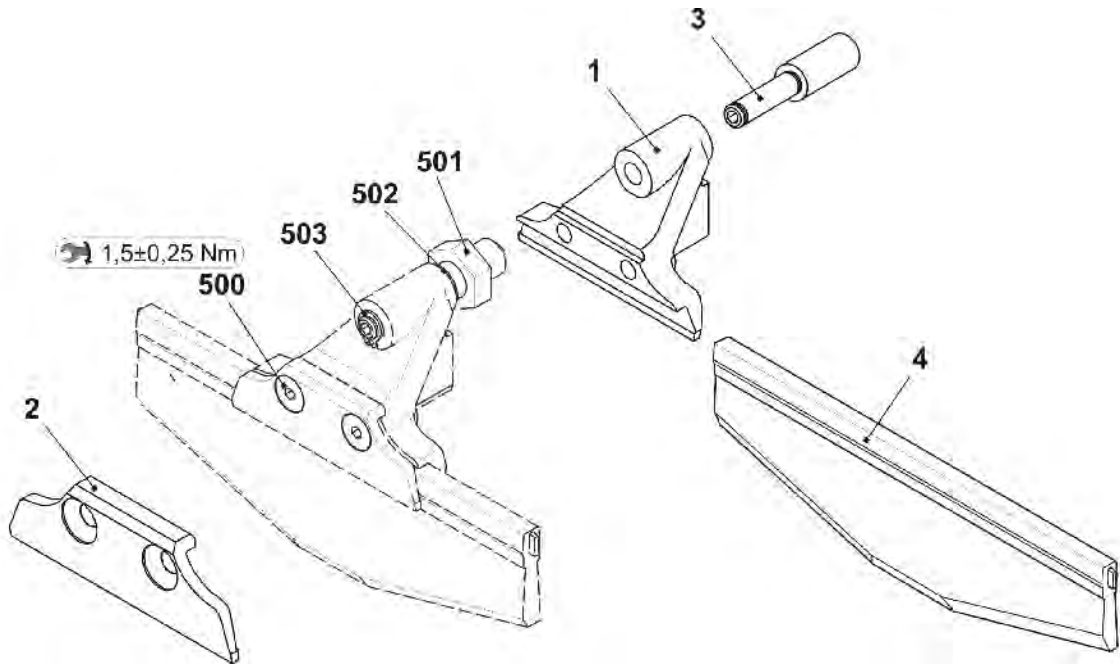
5.9 Carriage guide

Pos	Designation	Id	Pos	Designation	Id
6	Bearing bolt eccentric 0,5	242 060	510	Shim ring 12x18x1	023 315
7	Bearing bolt eccentric 0,5	240 624	511	Shim ring 10x16x1	023 260
12	Bolt pre-assembled	244 283	518	Grooved ball bearing 62201-2RS	241 408
508	NutM10	023 316	519	Grooved ball bearing 62300-2RS1	242 070



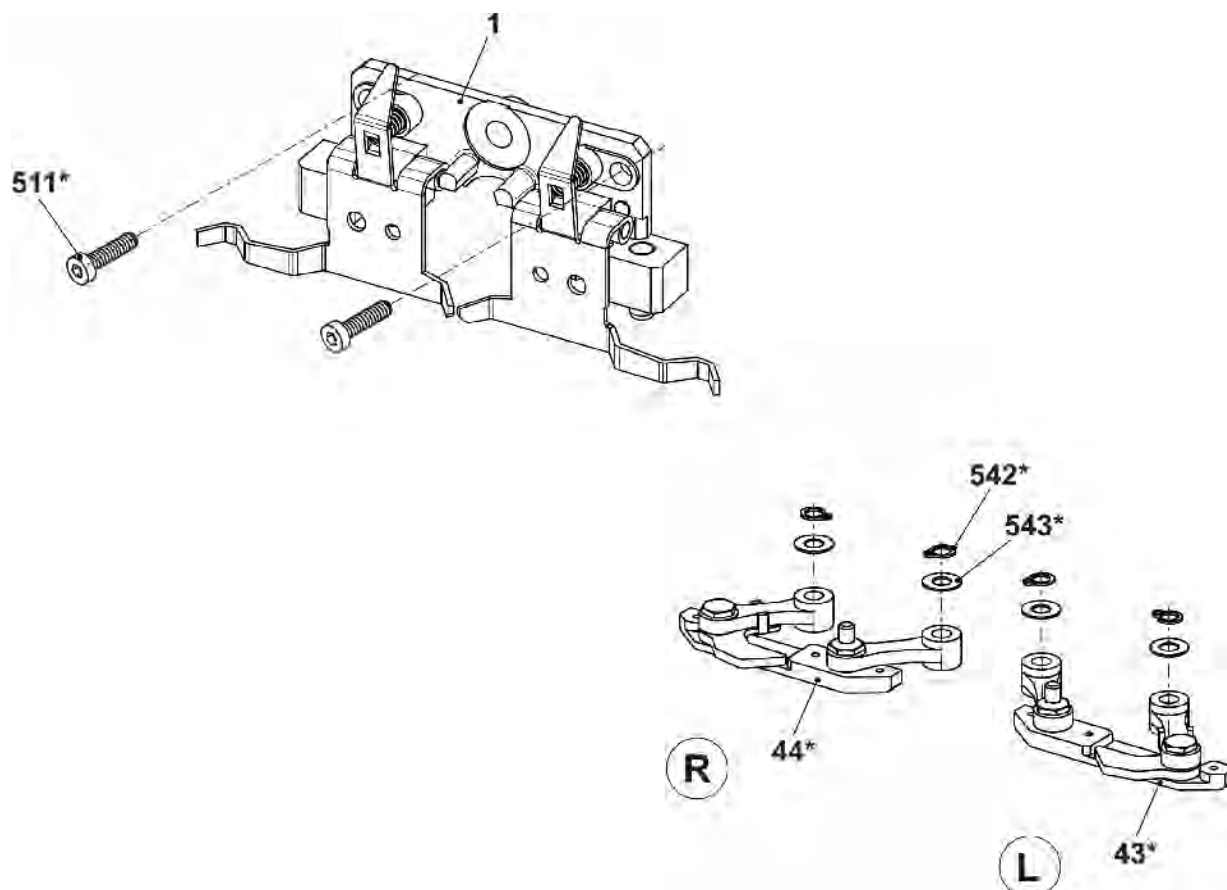
5.10 Brush holder

Pos	Designation	Id	Pos	Designation	Id
Σ	Brush holder complete	213 710			
1	Brush holder	213 009	500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010	501	Hexagon nut M8x5	023 750
3	Threaded rod	209 740	502	Shim ring 5x10x0,5	023 348
4	Brush	203 254	503	Retaining ring5x0,6	023 347



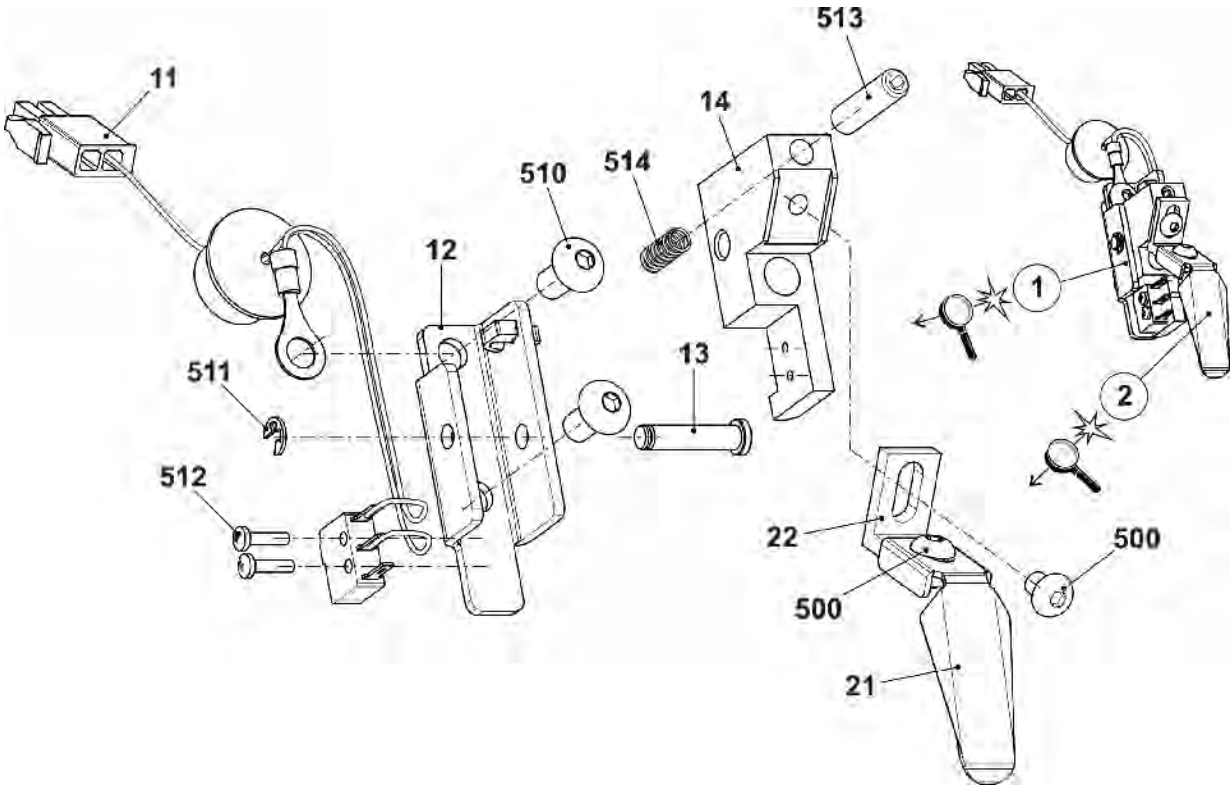
5.11 Holding-down jack control and slider

Pos	Designation	Id	Pos	Designation	Id
1	Holding-down jack control	213 266	Σ	Slider complete	
511*	Cap screw M5x16	023 141	43*	Slider on the left completeE5-8	212 611
			44*	Slider on the right completeE5-8	212 610
			542*	Retaining ring5x0,6	023 347
			543*	Shim ring 5x10x0,5	023 348

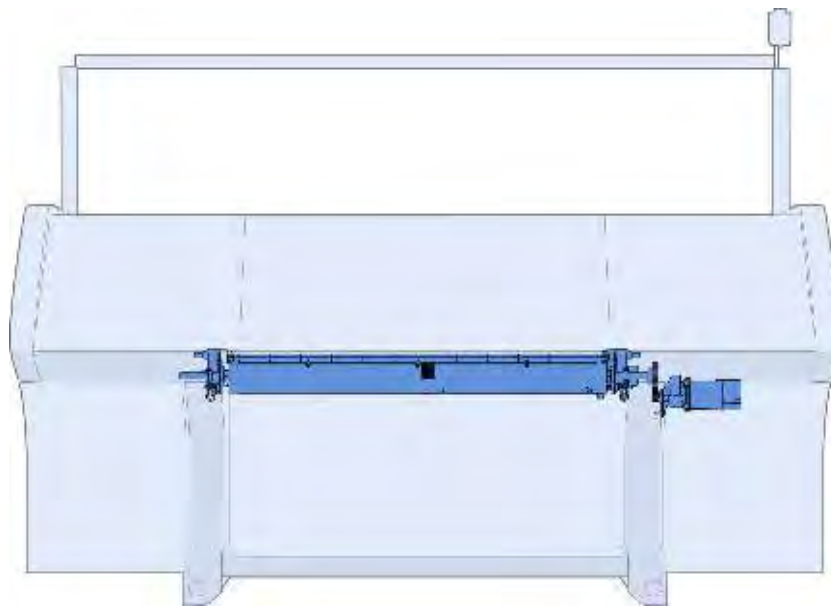


5.12 Needle detector

Pos	Designation		ID	Pos	Designation		ID
Σ	Needle detector		221 238		512	Pan-head screw M2x8	258 310
1	Needle detector pre-assembled		221 773		513	Setscrew M5x20	023 526
	11	Cable of needle detector complete	221 207		514	Compression spring 4,3x0,45x10	021 398
	12	Retainer	220 464	2	Sensor pre-assembled		221 758
	13	Bolts	258 390		21	Sensor	220 839
	14	Switch rocker	220 637		22	Angle	221 175
	510	Pan-head screw M5x10	023 247		500	Pan-head screw M4x6	023 427
	511	Circlip	021 018	500	Pan-head screw M4x8		023 579

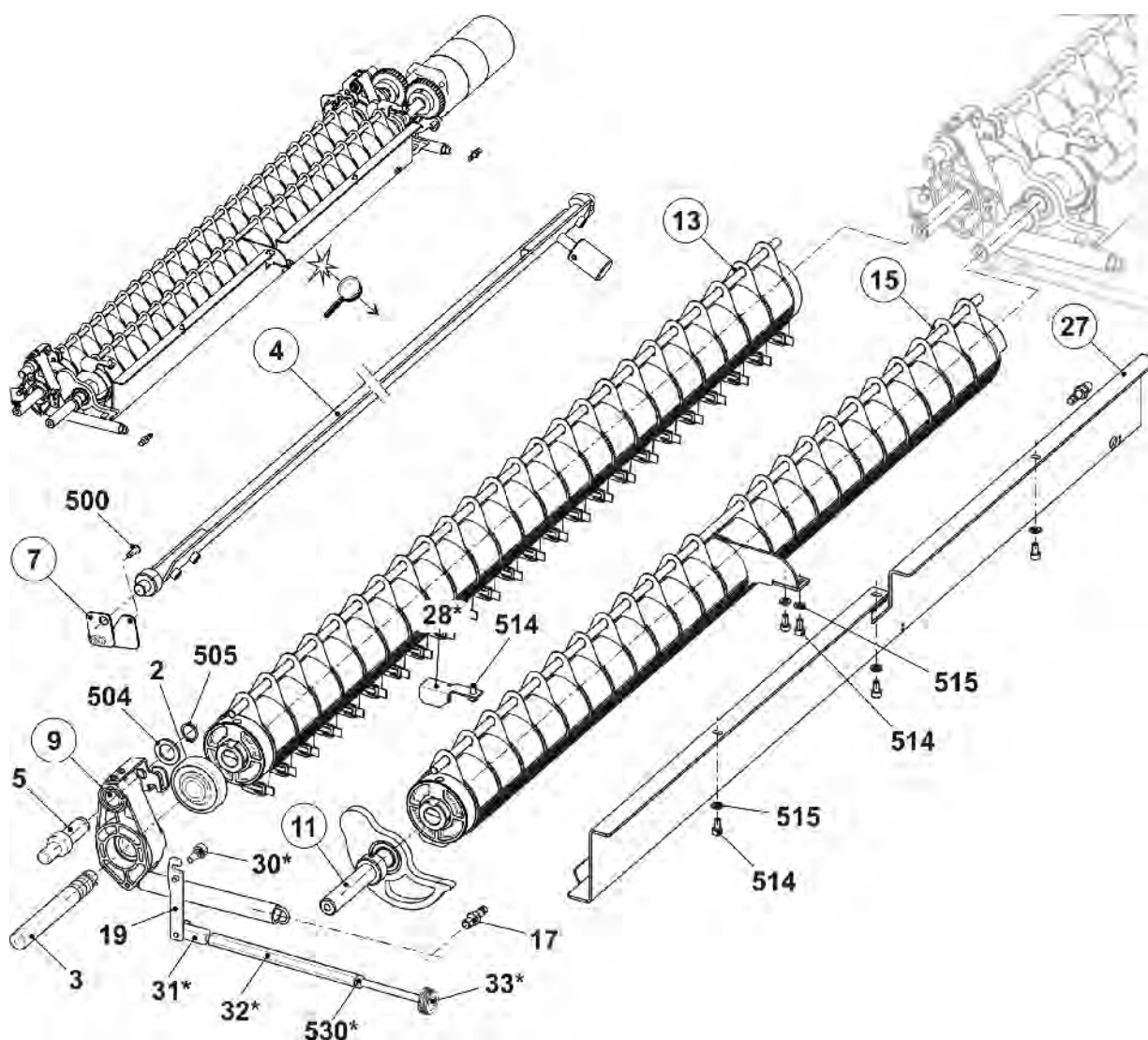


6 Main Take-down



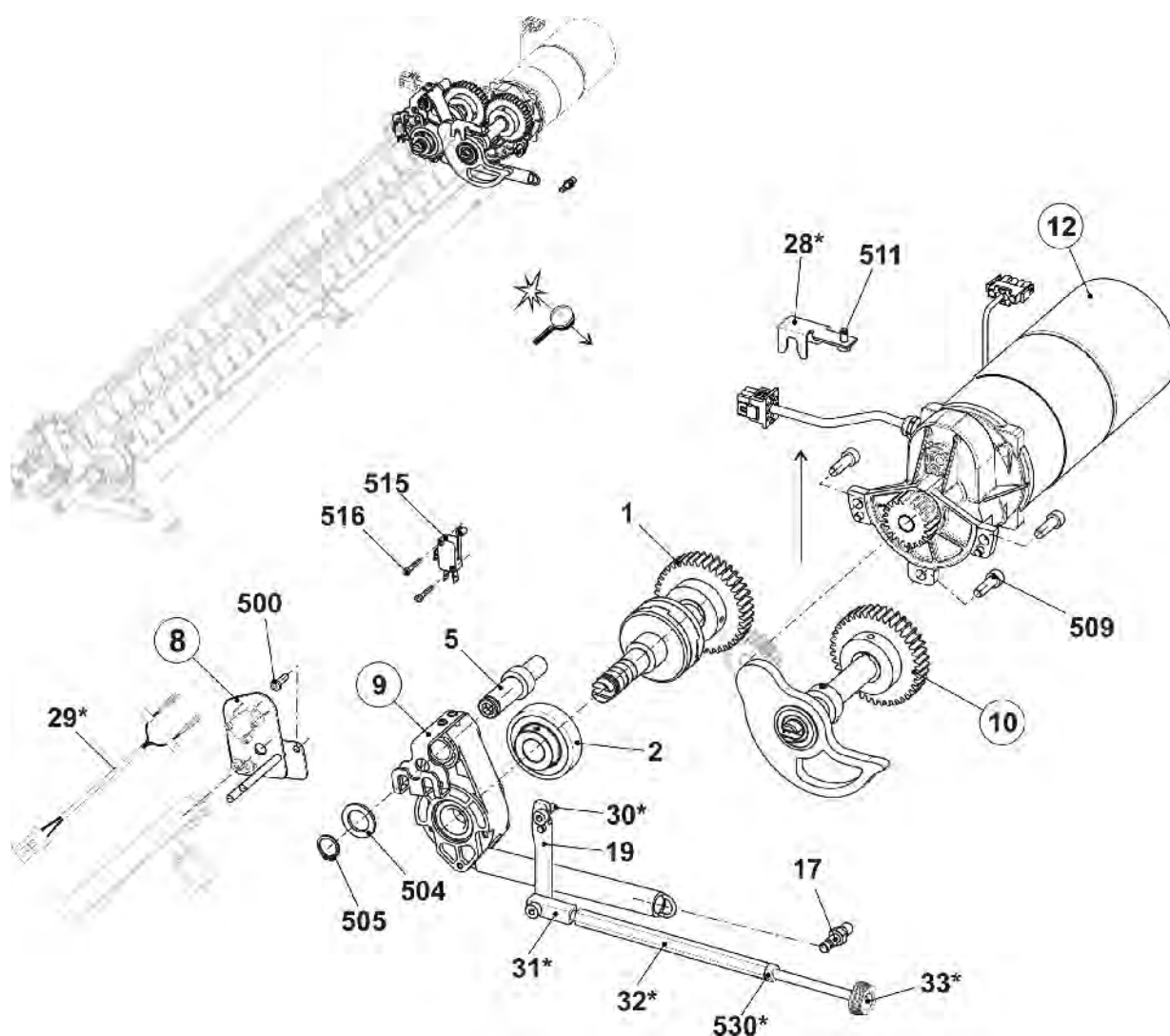
6.1 Take-down rollers and left bearing

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down complete		27	Angle rail complete	251 550
2	Bearing race complete	244 459	500	Screw 50x15	251 728
3	Shaft on the left at the rear	221 012	504	Washer 18	023 295
4	Stripper angle at the rear complete	264 118	505	Retaining ring 18x1,2	020 955
5	Bolts	208 538	514	Cap screw M6x12	020 134
7	Mounting plate on the left complete	231 725	515	Washer 6	022 431
9	Swivel-mounted bearing	251 761	28*	Sheet metal support on the left	251 766
11	Full floating axle on the left	251 984	30*	Shoulder screw	257 000
13	Take-down roller at the rear complete E5-14	251 683	31*	Coupling piece	256 999
15	Take-down roller at the front complete	251 681	32*	Connecting rod	256 998
17	Spring bolt	221 143	33*	Knurled screw	250 608
19	Stop point	256 078	530*	Hexagon nut M8-6	020 838



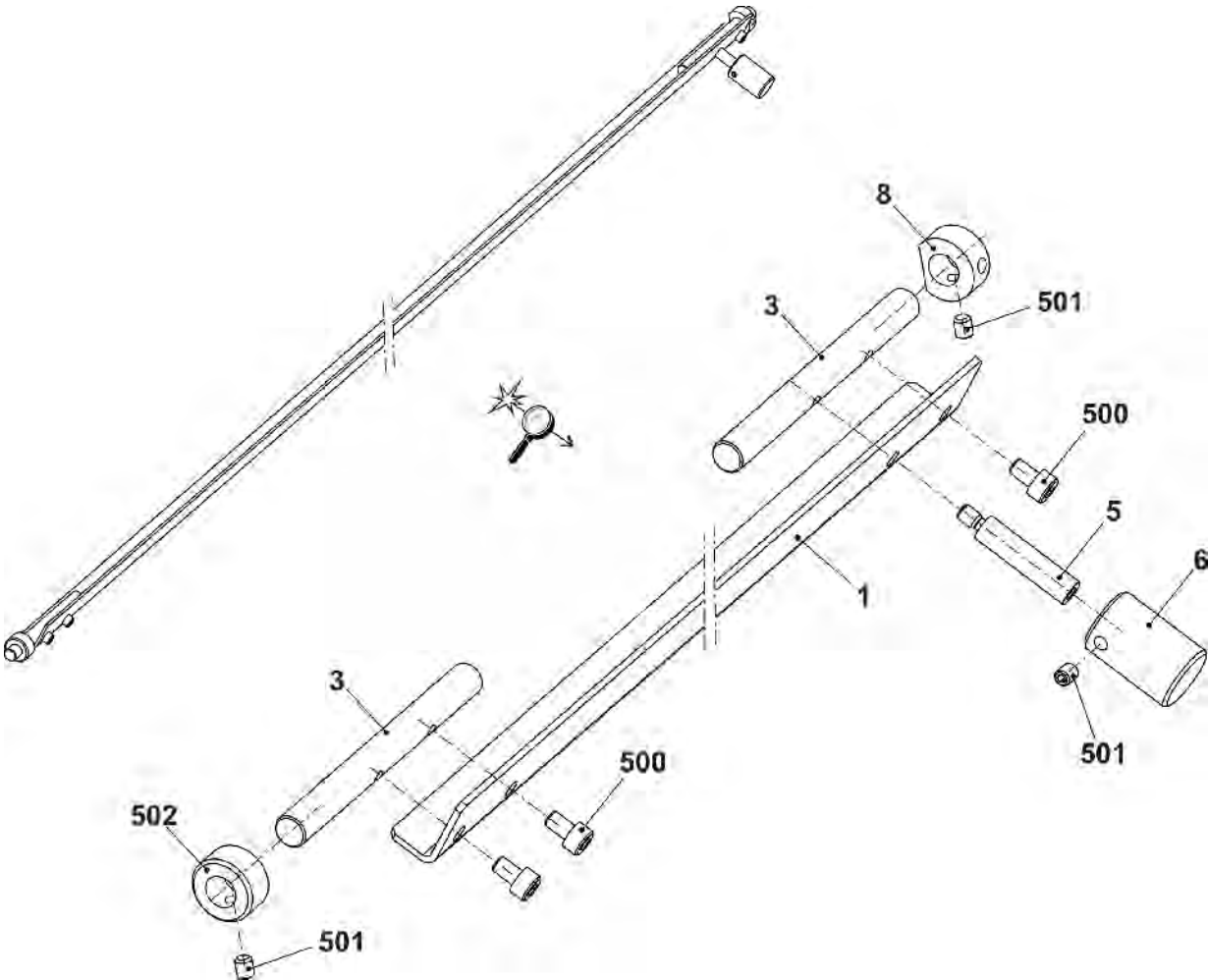
6.2 Take-down motor and right bearing

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down complete, continuation		505	Retaining ring 18x1,2	020 955
1	Clutch set	251 677	509	Cap screw M8x25-12.9	020 142
2	Bearing race complete	244 459	511	Cap screw M6x12	020 134
5	Bolts	208 538	515	Micro Switches	210 510
8	Mounting plate on the right complete	260 090	516	Cap screw M3x16	022 583
9	Swivel-mounted bearing	251 761	28*	Sheet metal support on the right	251 765
10	Full floating axle on the right	251 985	29*	Connection cable winding plate	241 703
12	Motor take-down unit complete	253 803	30*	Shoulder screw	257 000
17	Spring bolt	221 143	31*	Coupling piece	256 999
19	Stop point	256 078	32*	Connecting rod	256 998
500	Screw 50x15	251 728	33*	Knurled screw	250 608
504	Washer 18	023 295	530*	Hexagon nut M8-6	020 838



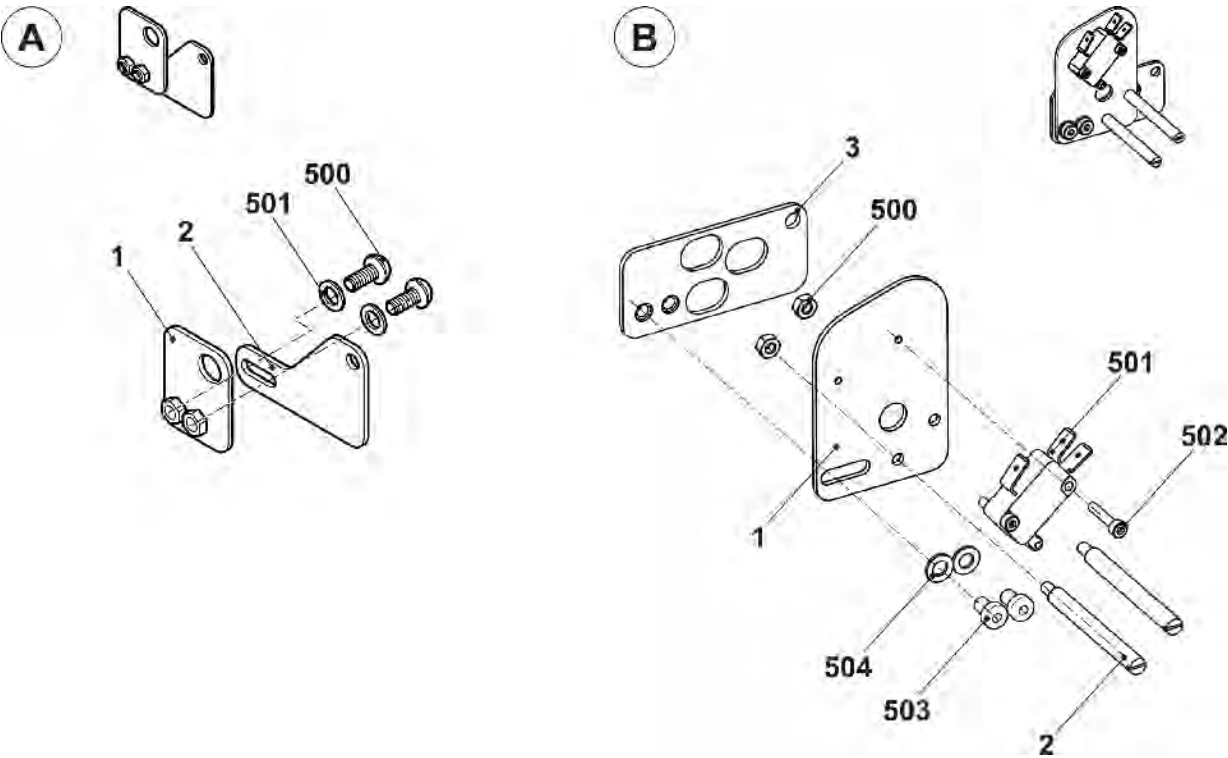
6.3 Stripper angle

Pos	Designation	Id	Pos	Designation	Id
Σ	Stripper angle at the rear complete	264 118			
1	Stripper angle	263 946	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



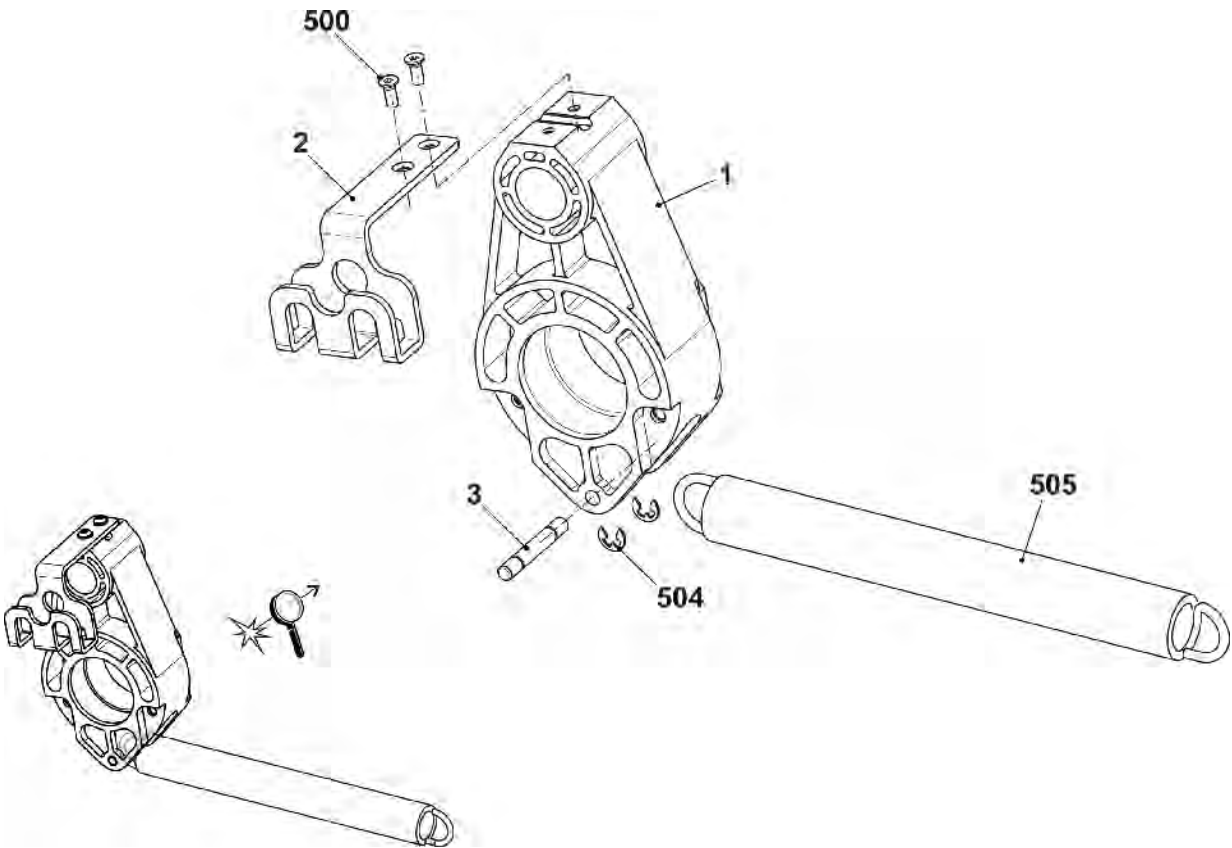
6.4 Mounting plate

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



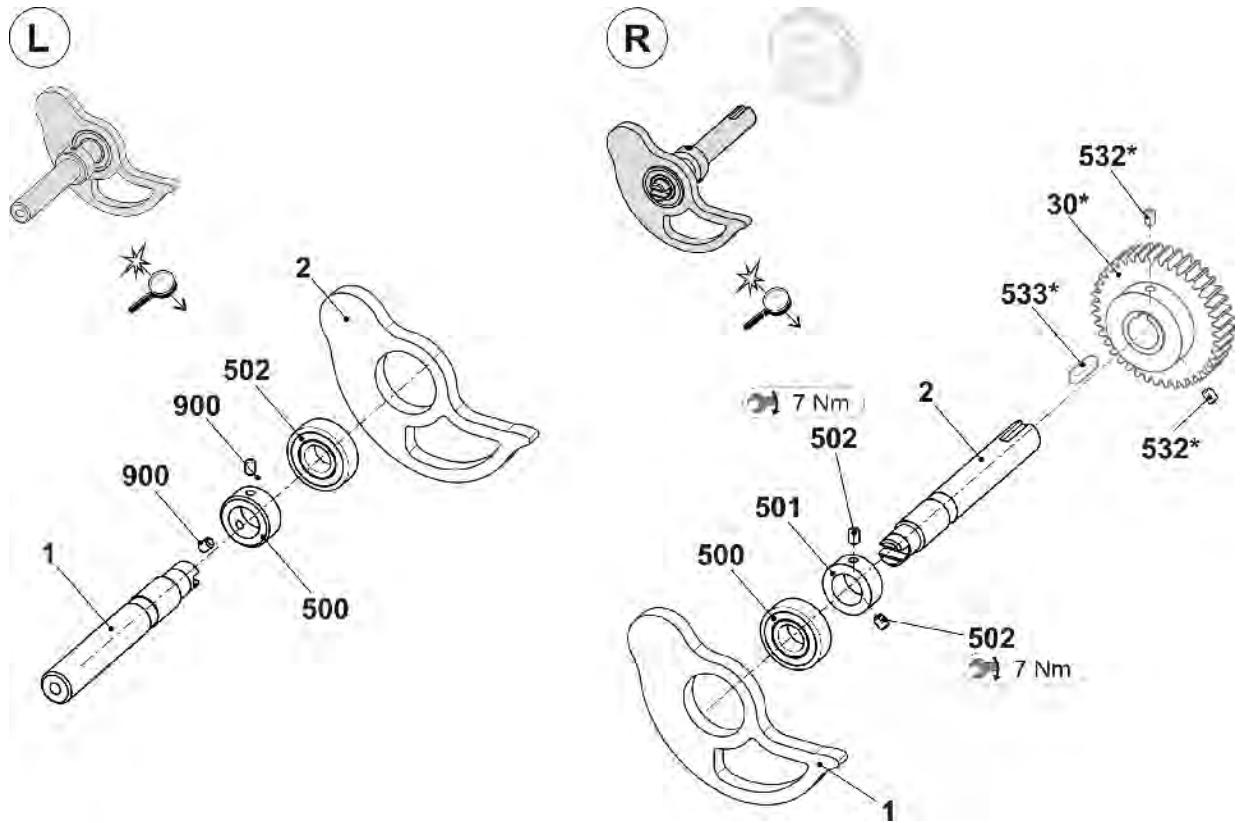
6.5 Swivel-mounted bearing

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



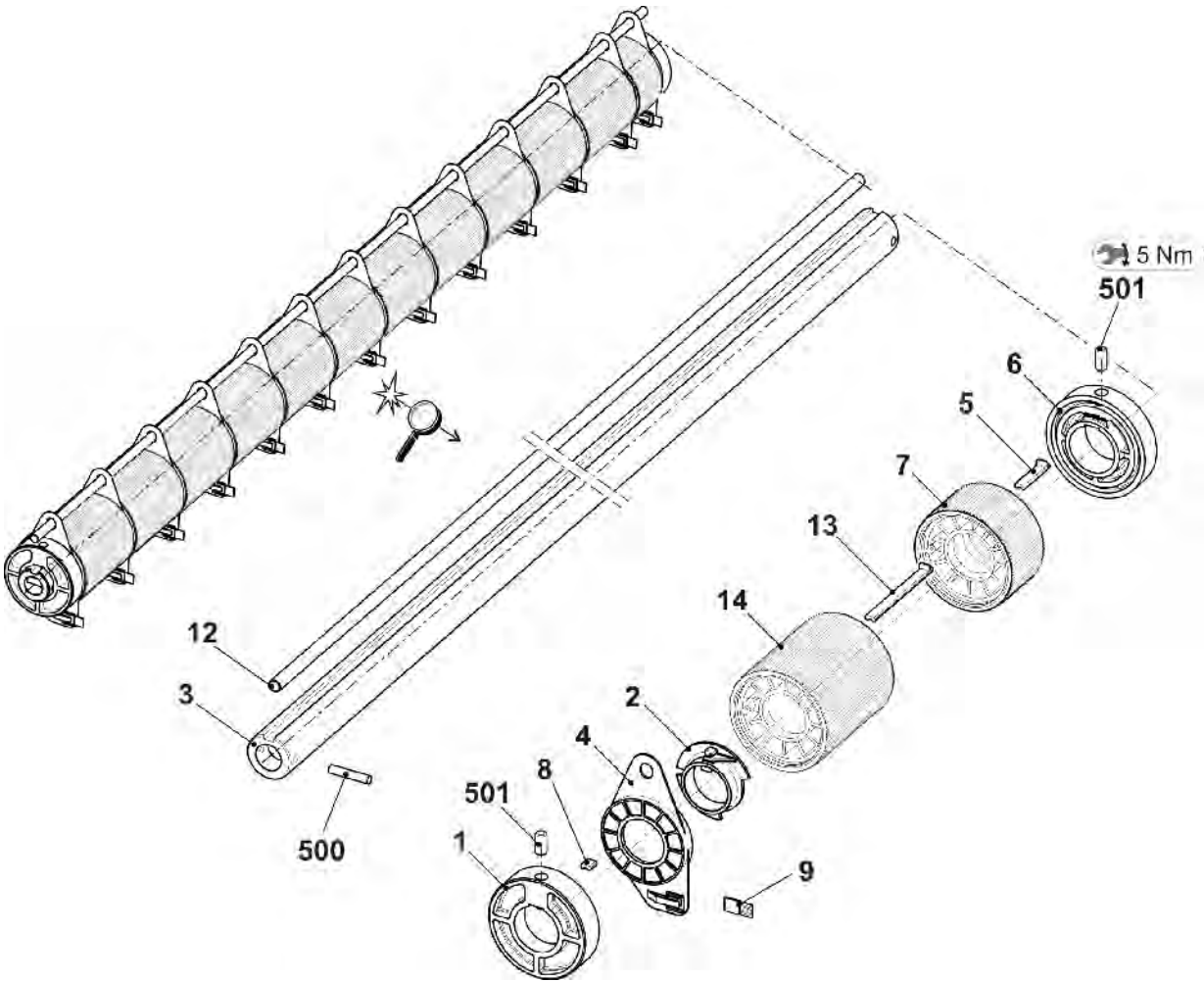
6.6 Full floating axle

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



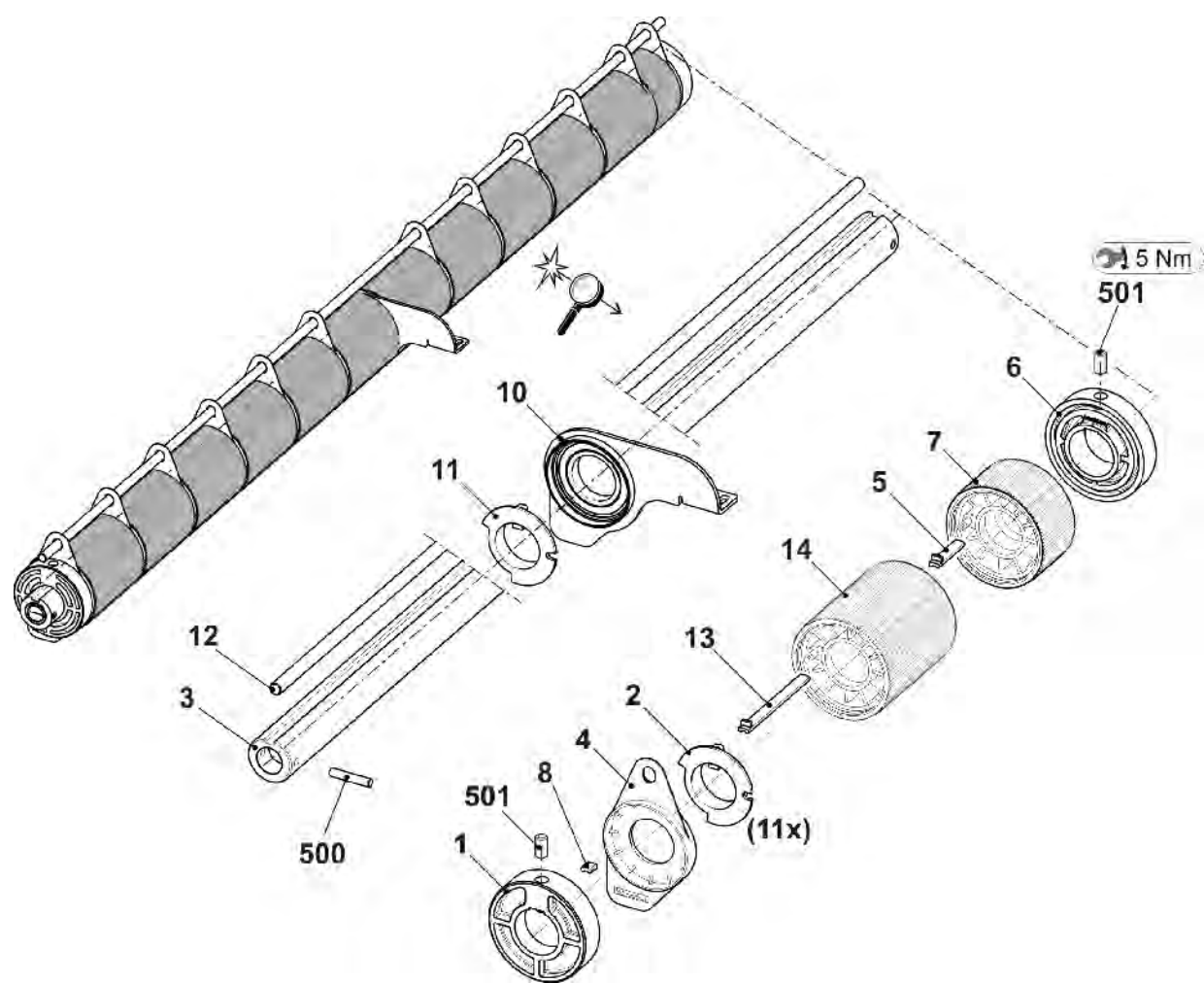
6.7 Rear take-down roller

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the rear complete E5-14	251 683			
1	Ring on the left	255 830	8	Spacer slide	222 062
2	Stop ring on the left	204 369	9	Brush	225 819
3	Shaft	251 682	12	Rod	251 769
4	Stripper	241 612	13	Spacer slide	264 669
5	Spacer slide	240 104	14	Roller	264 624
6	Ring on the right	255 831	500	Dowel pin 6x32	020 685
7	Roller	206 770	501	Setscrew M8x16	258 910



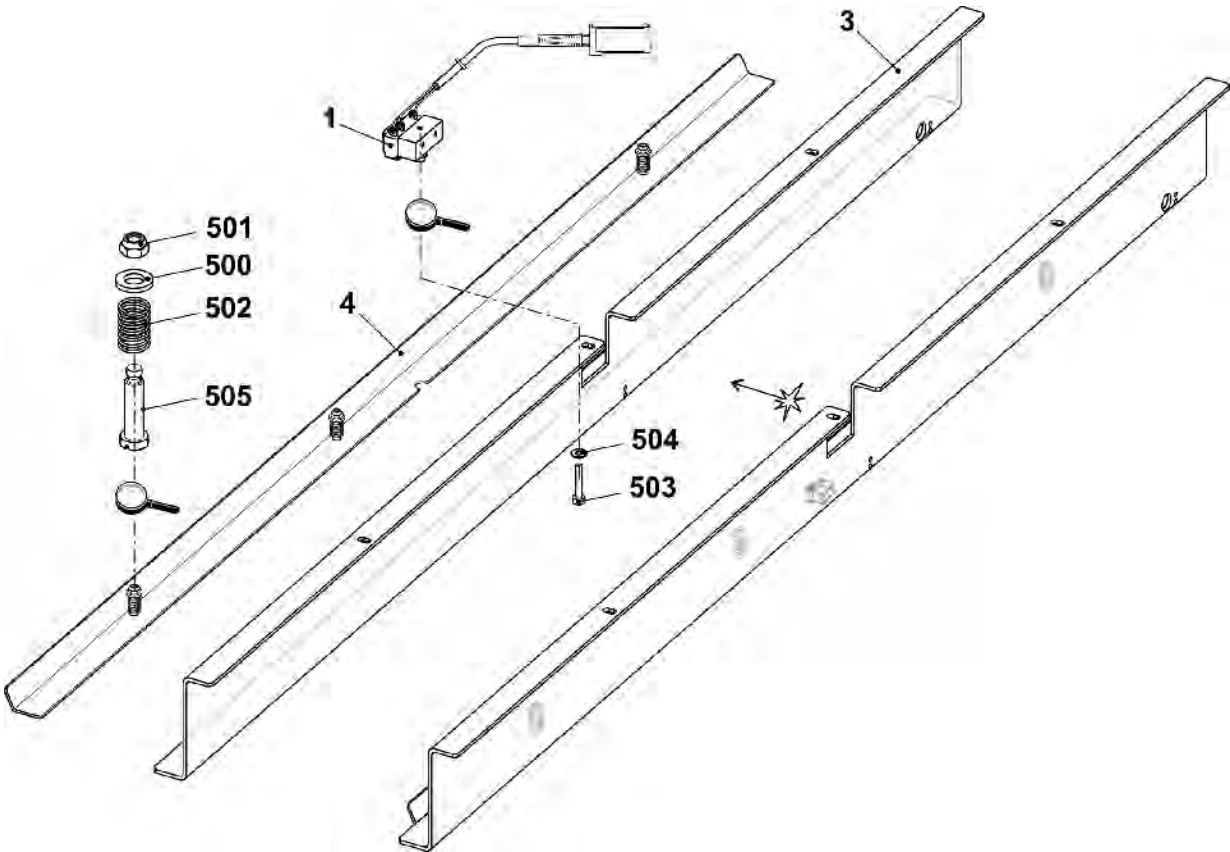
6.8 Front take-down roller

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the front complete	251 681	8	Spacer slide	222 062
1	Ring on the left	255 830	10	Support	252 506
2	Stop ring on the left	204 369	11	Stop ring on the left	222 910
3	Shaft	251 680	12	Rod	251 769
4	Stripper	241 612	13	Spacer slide	264 669
5	Spacer slide	240 104	14	Roller	264 624
6	Ring on the right	255 831	500	Dowel pin 6x32	020 685
7	Roller	206 770	501	Setscrew M8x16	258 910

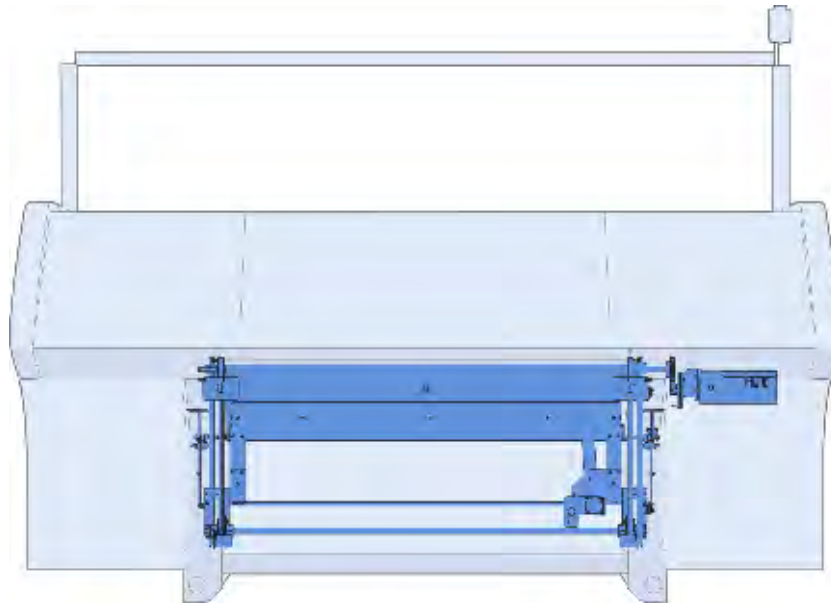


6.9 Angle rail

Pos	Designation	Id	Pos	Designation	Id
Σ	Angle rail complete	251 550	501	Hexagon nut M5-8	023 541
1	Switch complete (with cable)	221 265	502	Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	251 548	503	Cap screw M2x12	023 522
4	Winding plate	251 549	504	Washer 2	022 908
500	Washer 6	022 431	505	Shoulder screw M5x20x5	023 675

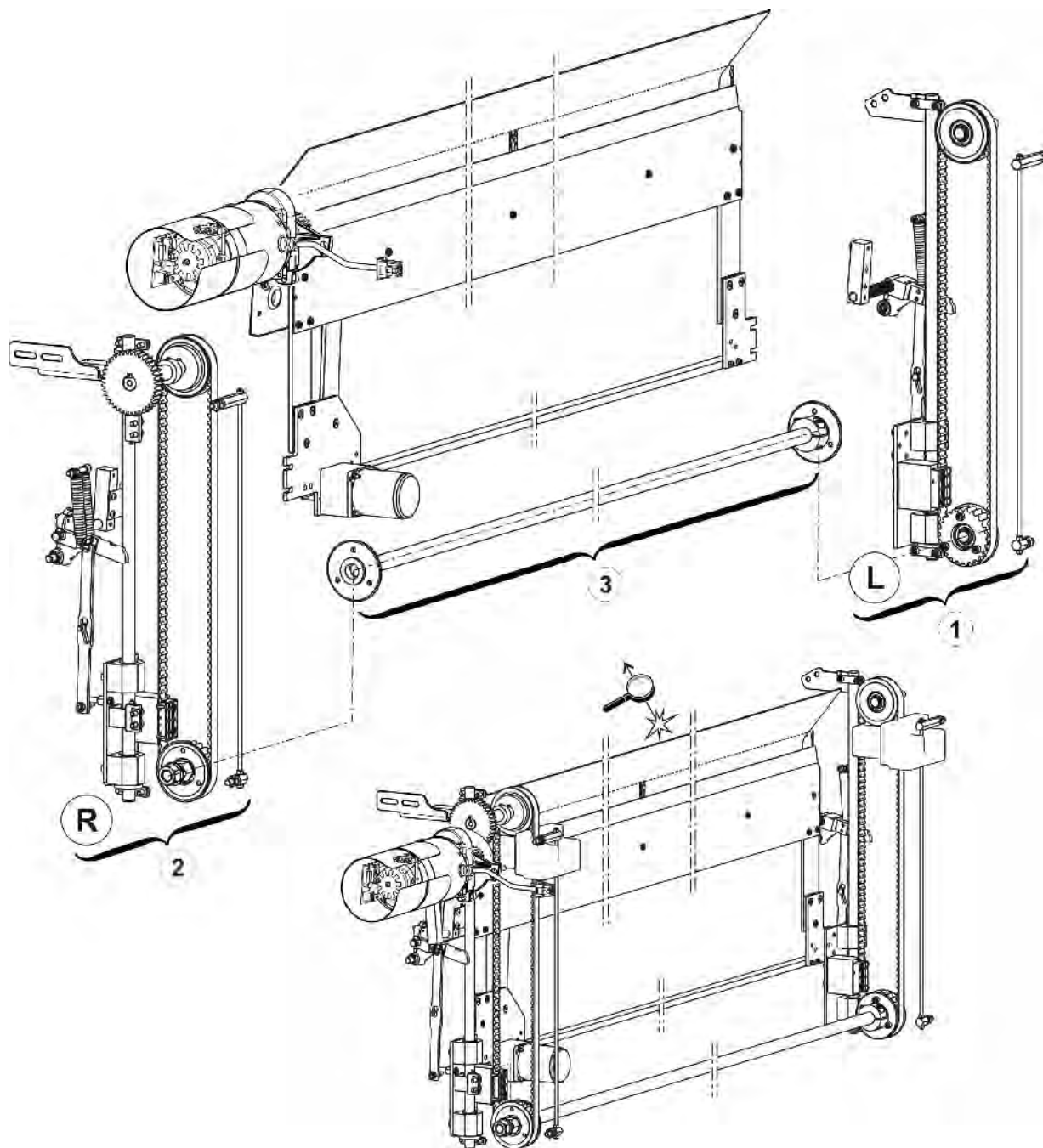


7 Comb Take-down



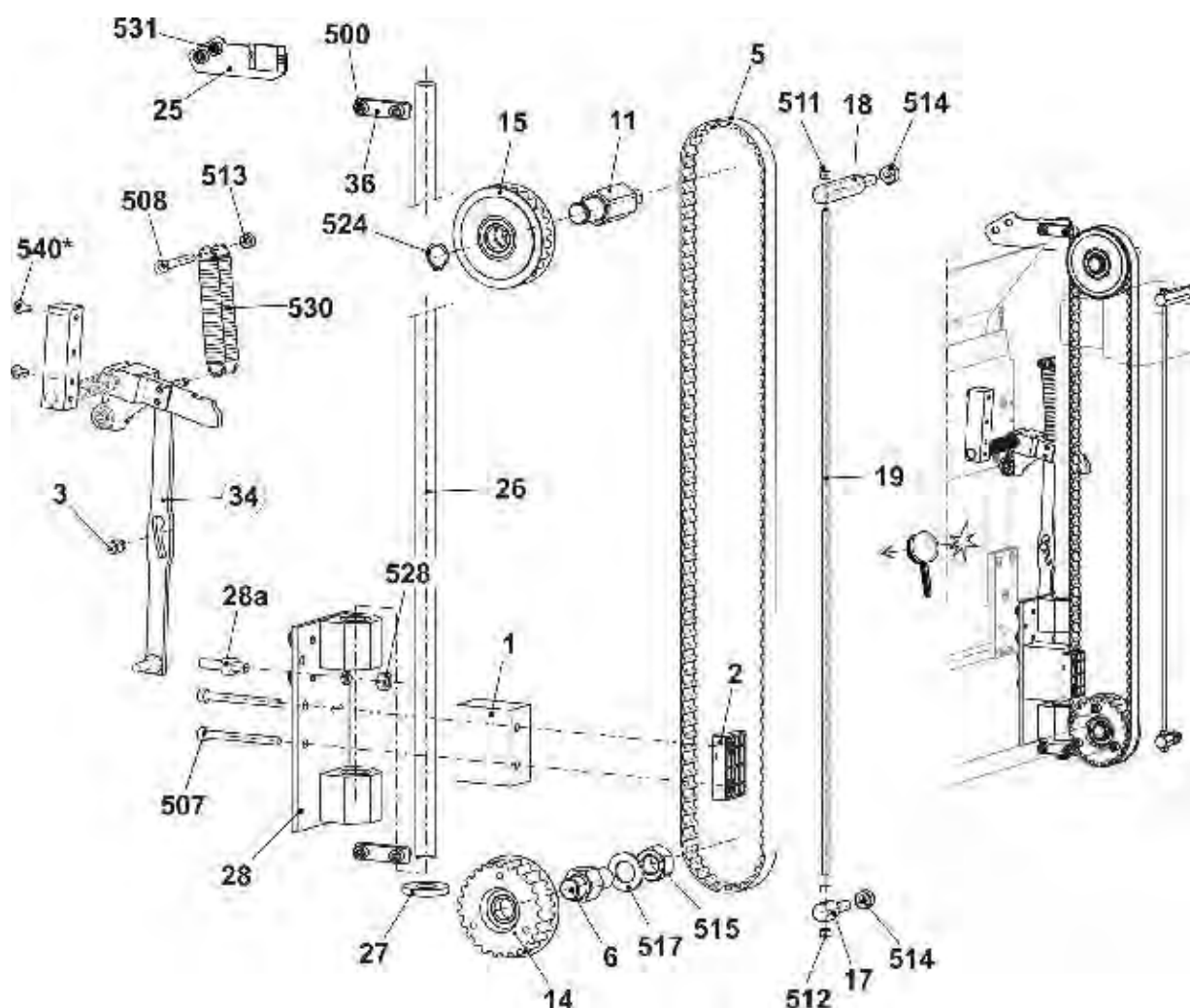
7.1 Comb Take-down

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Comb take-down		3	Comb take-down in the middle	
1	Comb take-down on the left	256 836	E5 E2,5.2 2,5.2m.4L		253 951
2	Comb take-down on the right	256 837	E7 E7m.5 E3,5 .2 E3,5.2m.4L		253 839



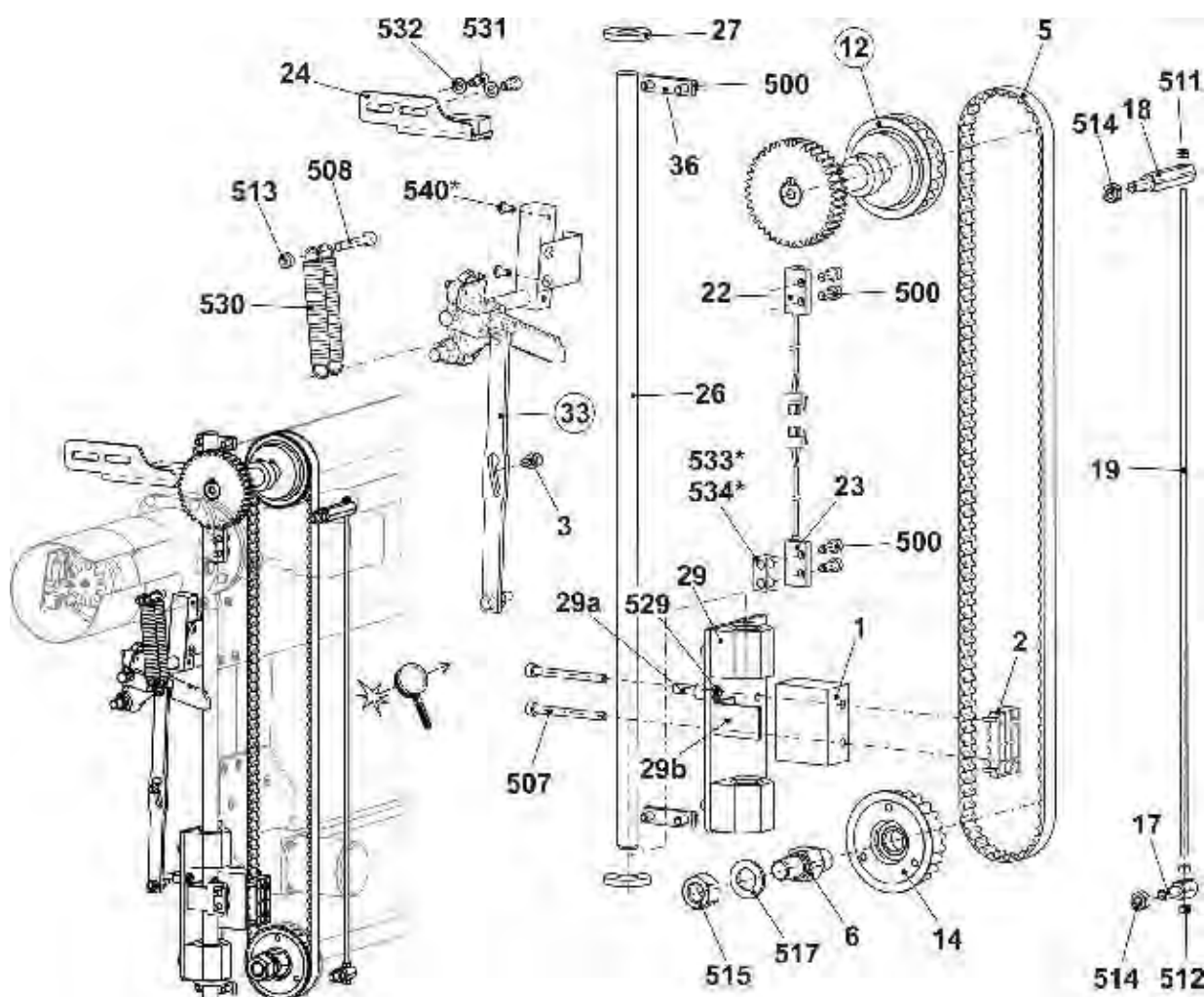
7.2 Comb take-down on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the left	256 836			
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



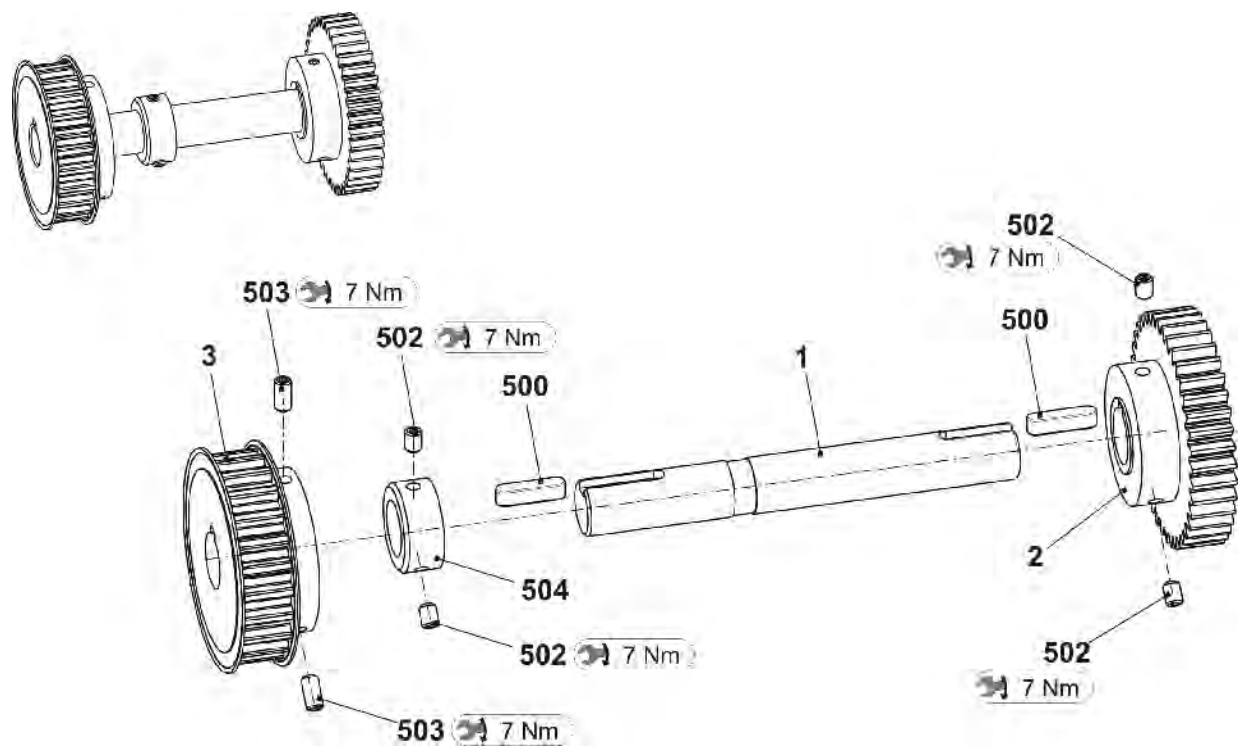
7.3 Comb take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the right	256 837			
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



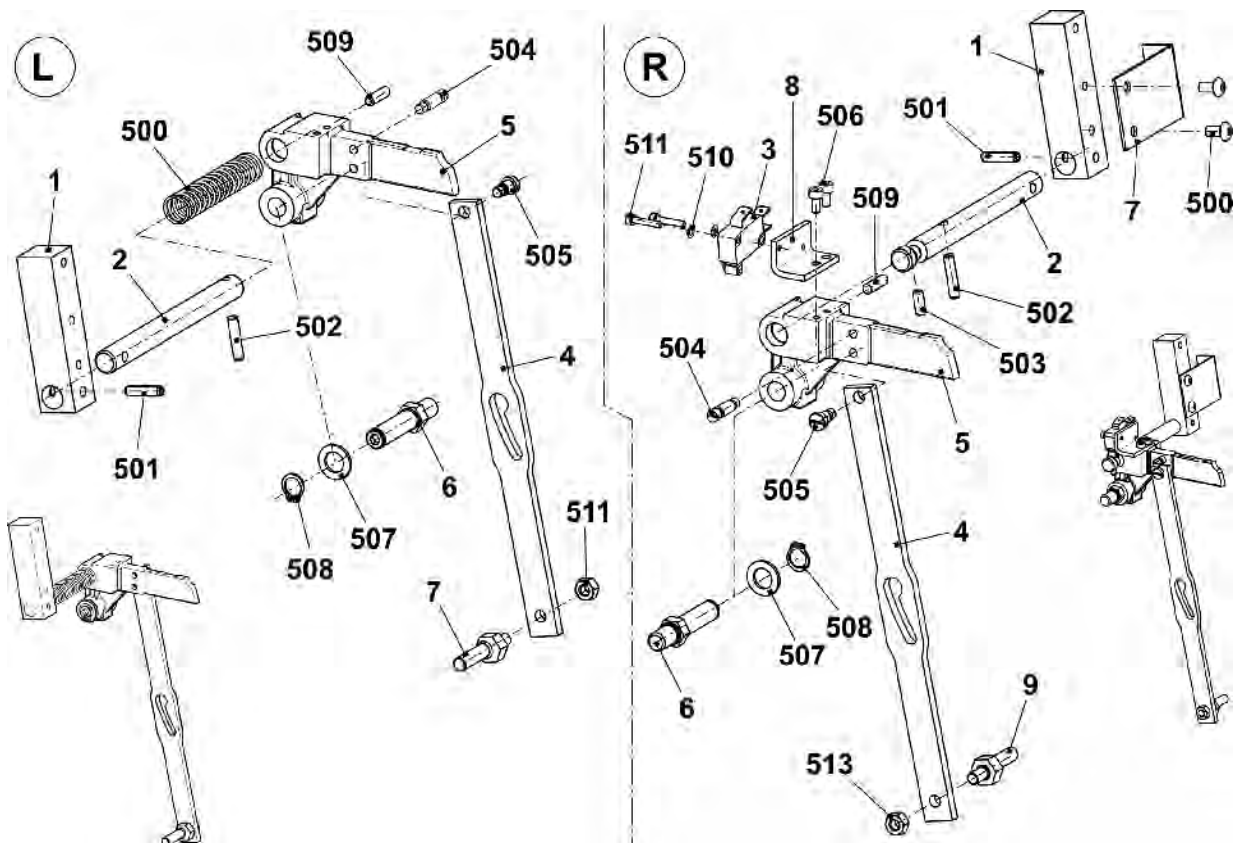
7.3.1 Drive shaft of comb

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				



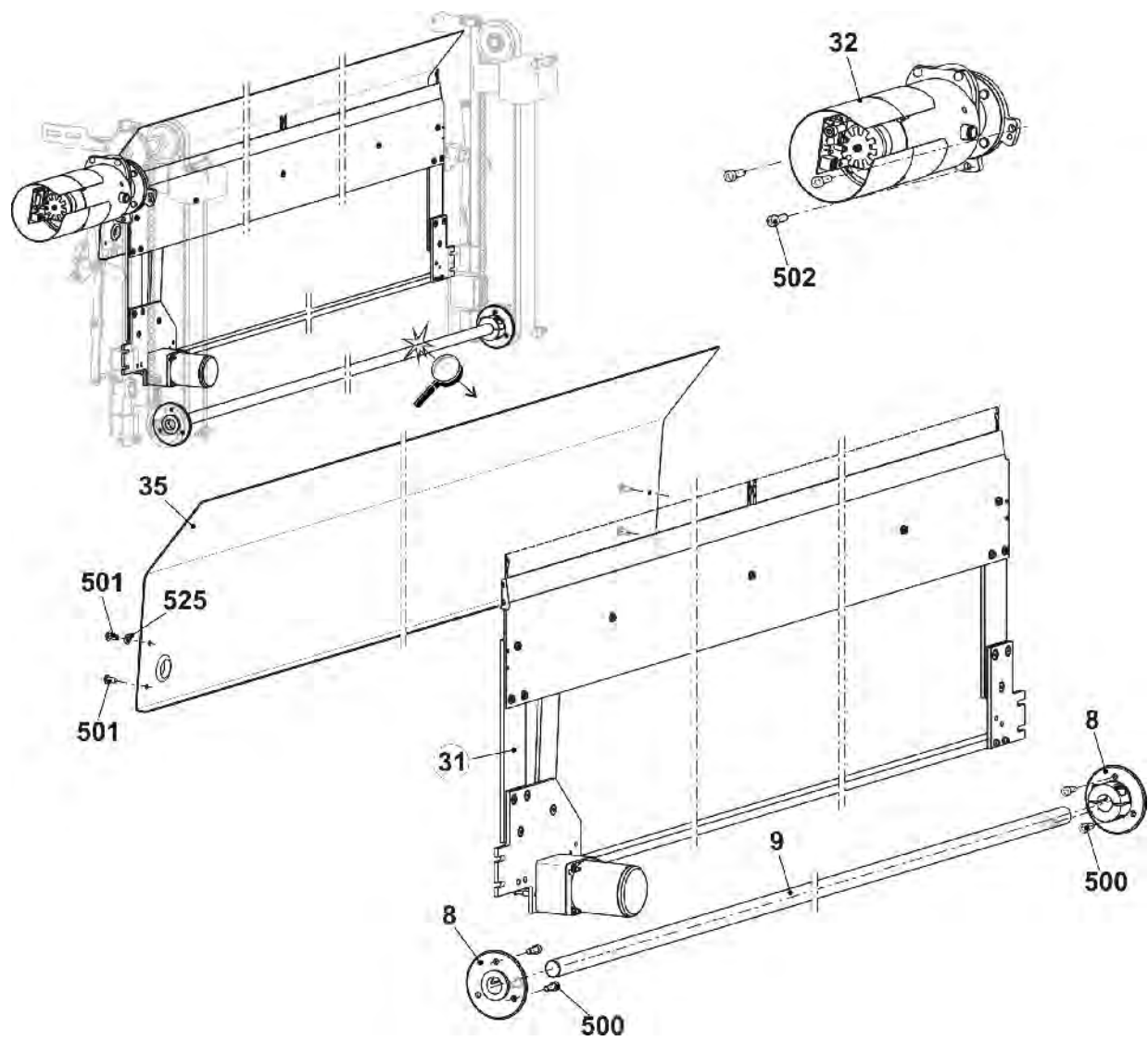
7.3.2 Swivel lever comb take-down

Pos	Designation	Id. no.	Pos	Designation	Id. no.
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



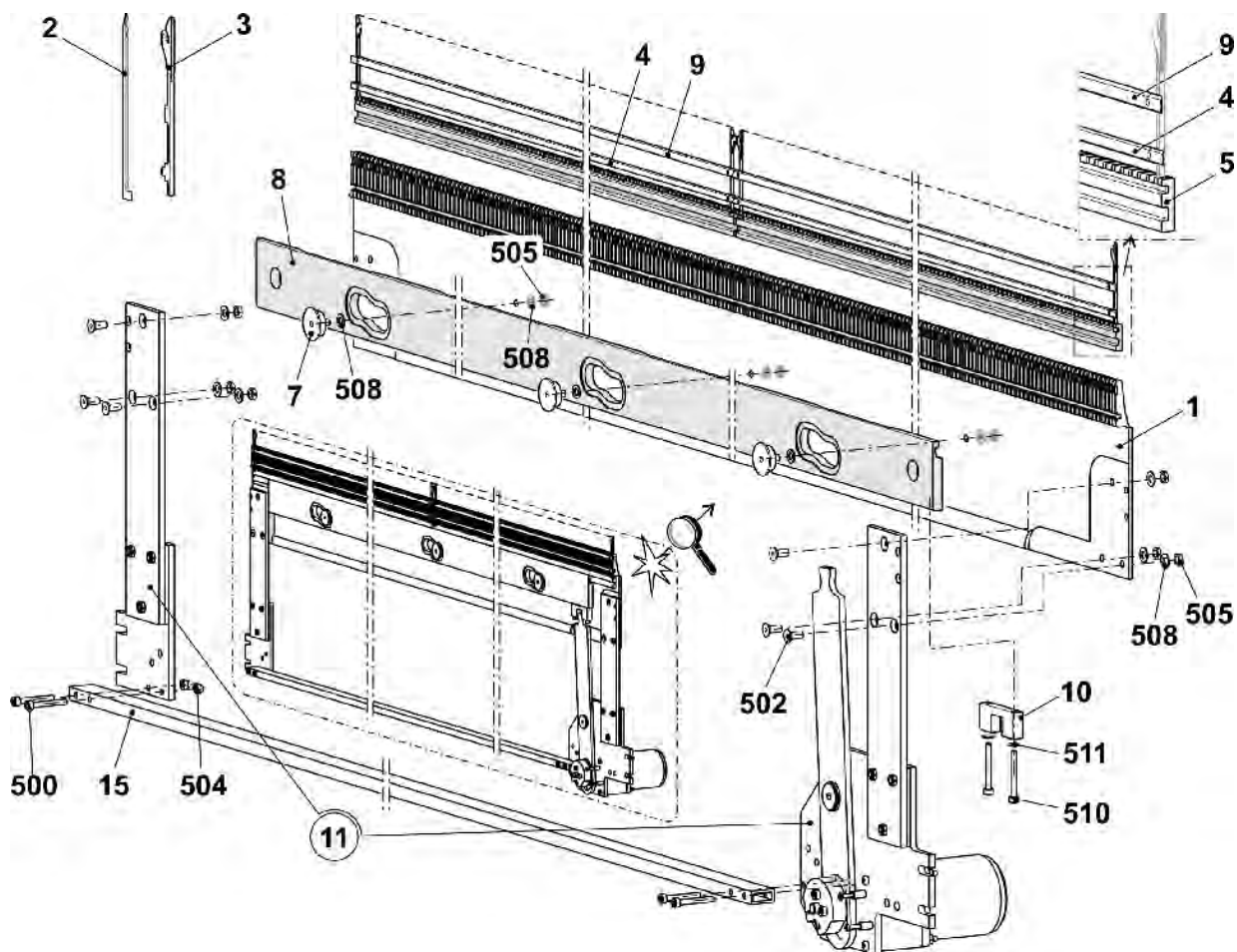
7.4 Comb take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down in the middle		31	Comb unit	
	E5 E2,5.2 E2,5.2m.4L	253 951	E5 E2,5.2 E2,5.2m.4L		265 415
	E7 E7m.5 E3,5.2 E3,5.2m.4L	253 839	E7 E7m.5 E3,5.2 E3,5.2m.4L		265 416
8	Flange	207 695	32	Motor take-down unit complete	253 803
9	Shaft long	251700	35	Marking plate	259 238
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



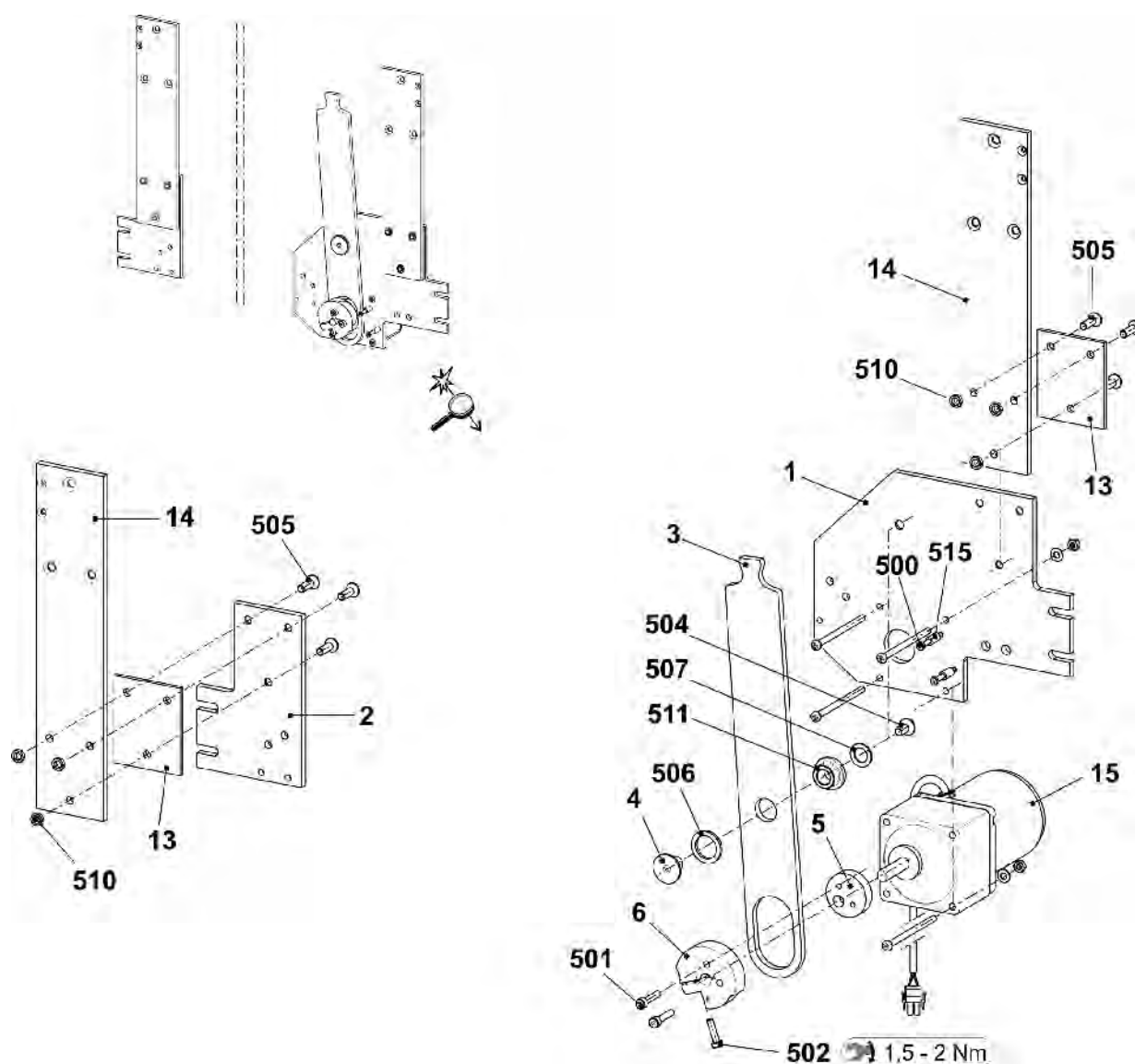
7.4.1 Comb unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb unit				
	E5 E2,5.2 E2,5.2m.4L	265 415	8	Cross slider	251 701
	E7 E7m.5 E3,5.2 E3,5.2m.4L	265 416	9	Cover rail	251 702
1	Hook bed		10	Plunger	205 678
	E5 E2,5.2 E2,5.2m.4L	265 407	11	Switching lever complete	240 060
	E7 E7m.5 E3,5.2 E3,5.2m.4L	265 408	15	Stabilizer	251 697
2	Closer E3-8	230 105	500	Cap screw M4x30	023 290
3	BodyE3-8	230 093	502	Countersunk head screw M5x12	023 340
4	Cover rail	251 696	504	Hexagon nut M4-8	023 046
5	Hook slider		505	Hexagon nut M5-04	020 854
	E5 E2,5.2 E2,5.2m.4L	251 710	508	Washer 5	020 871
	E7 E7m.5 E3,5.2 E3,5.2m.4L	251 708	510	Cap screw M4x35	023 550
7	Collar bolt complete	211 036	511	Circlip	022 774

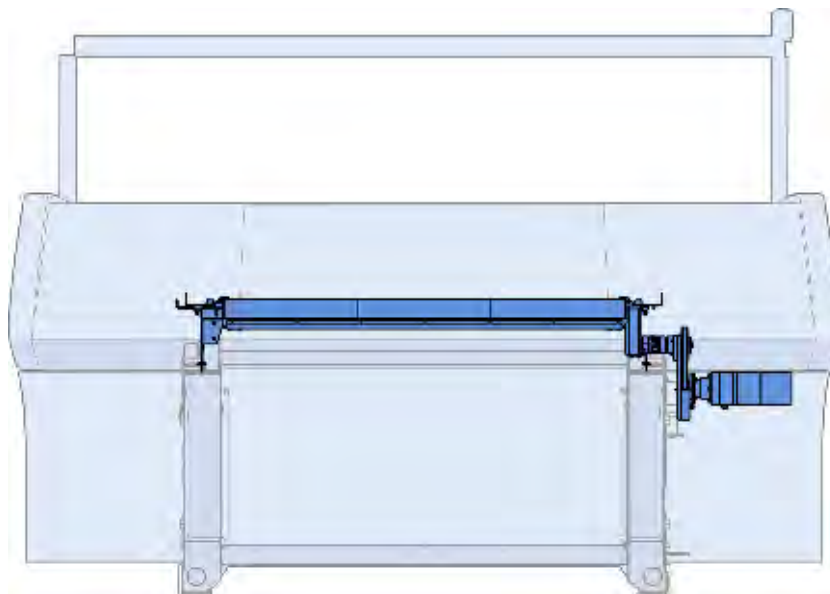


7.4.2 Switching lever comb take-down

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

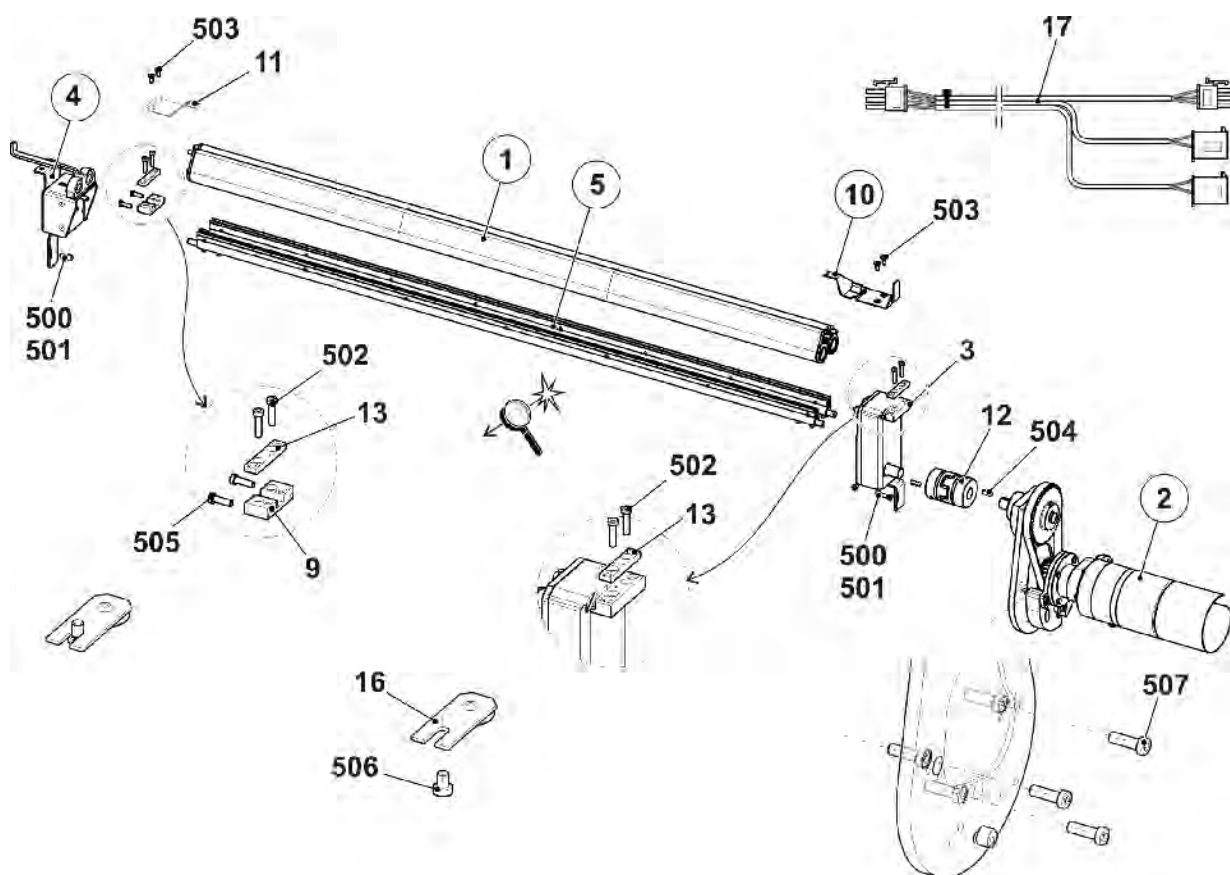


8 Belt Take-Down



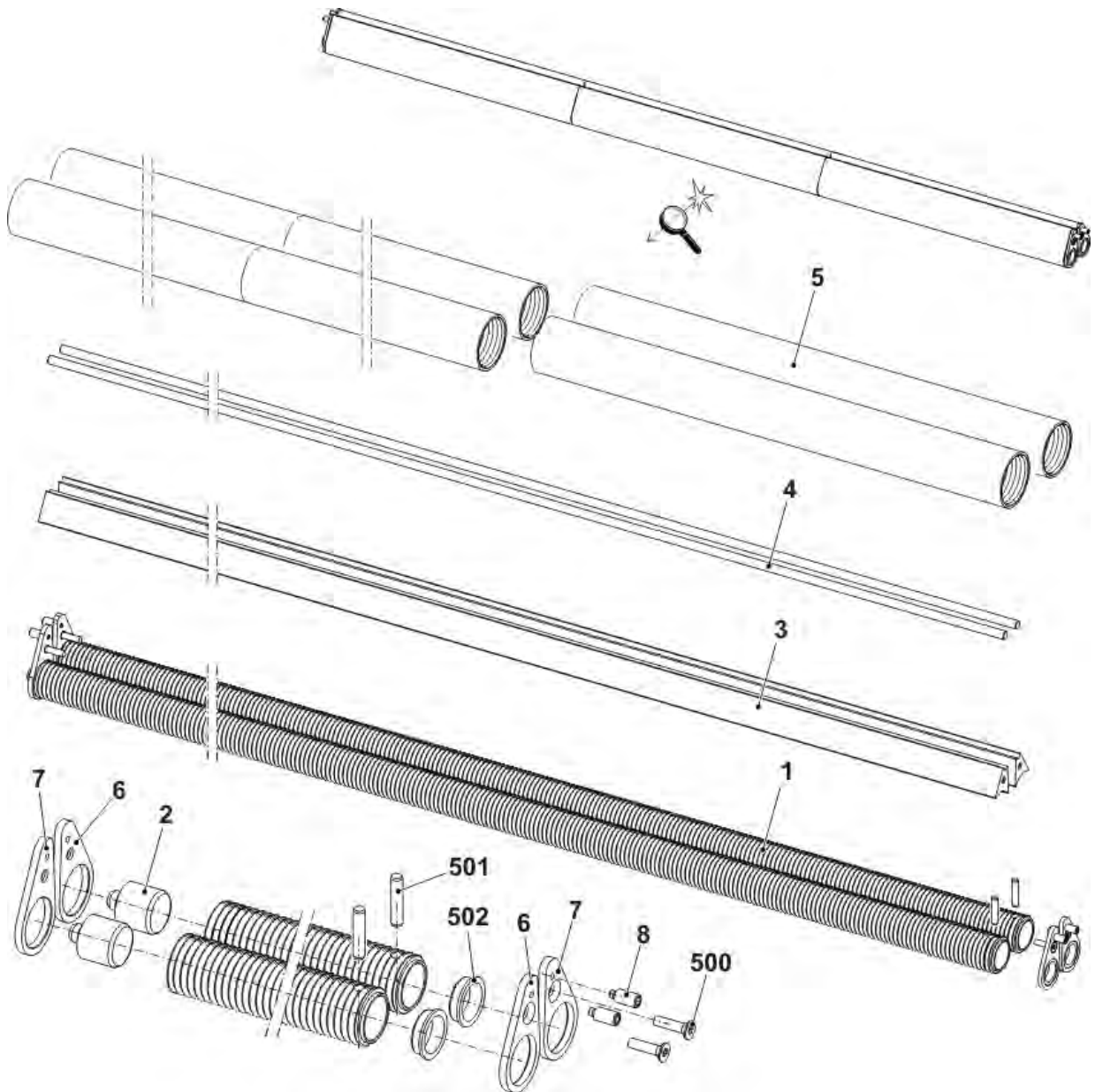
8.1 Belt Take-Down

Pos	Designation	Id	Pos	Designation	Id
Σ	Belt take-down				
1	Belt complete	266 958	16	Thread clamp	267 514
2	Drive unit complete	265 975	17	Cable between switch and winding plate BA	266 613
3	Gear unit complete	265 979	500	Cap screw M6x16	020 135
4	Left support complete	265 982	501	Washer 6	020 872
5	Winding guard complete	266 955	502	Cap screw M6x25	023 335
9	Bearing strip at the bottom complete	266 827	503	Countersunk screw M6x14	266 777
10	Yarn brake on the right E5-10	267 907	504	Feather key 6x6x20	265 788
11	Cover on the left E5-10	267 983	505	Cap screw M6x20	023 180
12	Coupling	265 693	506	Cap screw M6x8	023 532
13	Shim	266 828	507	Cap screw M8x25	023 563



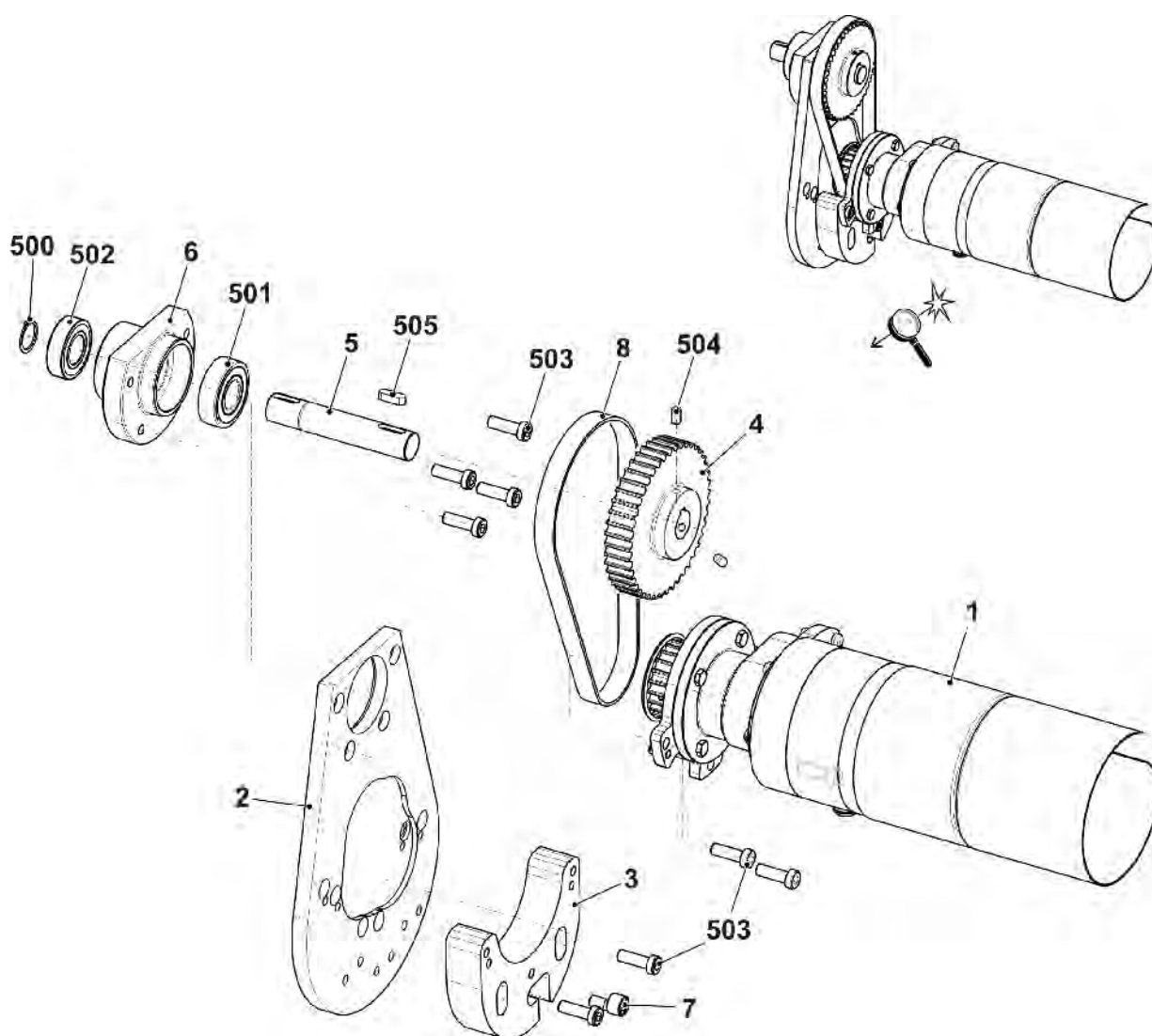
8.2 Belt

Pos	Designation	Id	Pos	Designation	Id
Σ	Belt complete	266 958	6	Casing cap at the right	266 382
1	Drive shaft of belt take-down	266 954	7	Casing cap at the left	266 383
2	Bolts	265 633	8	Support	265 630
3	Support	266 952	500	Screw 50x20	263 540
4	Shaft	266 953	501	Dowel pin 6x28	265 784
5	Belt	266 960	502	Slide bearing	266 772



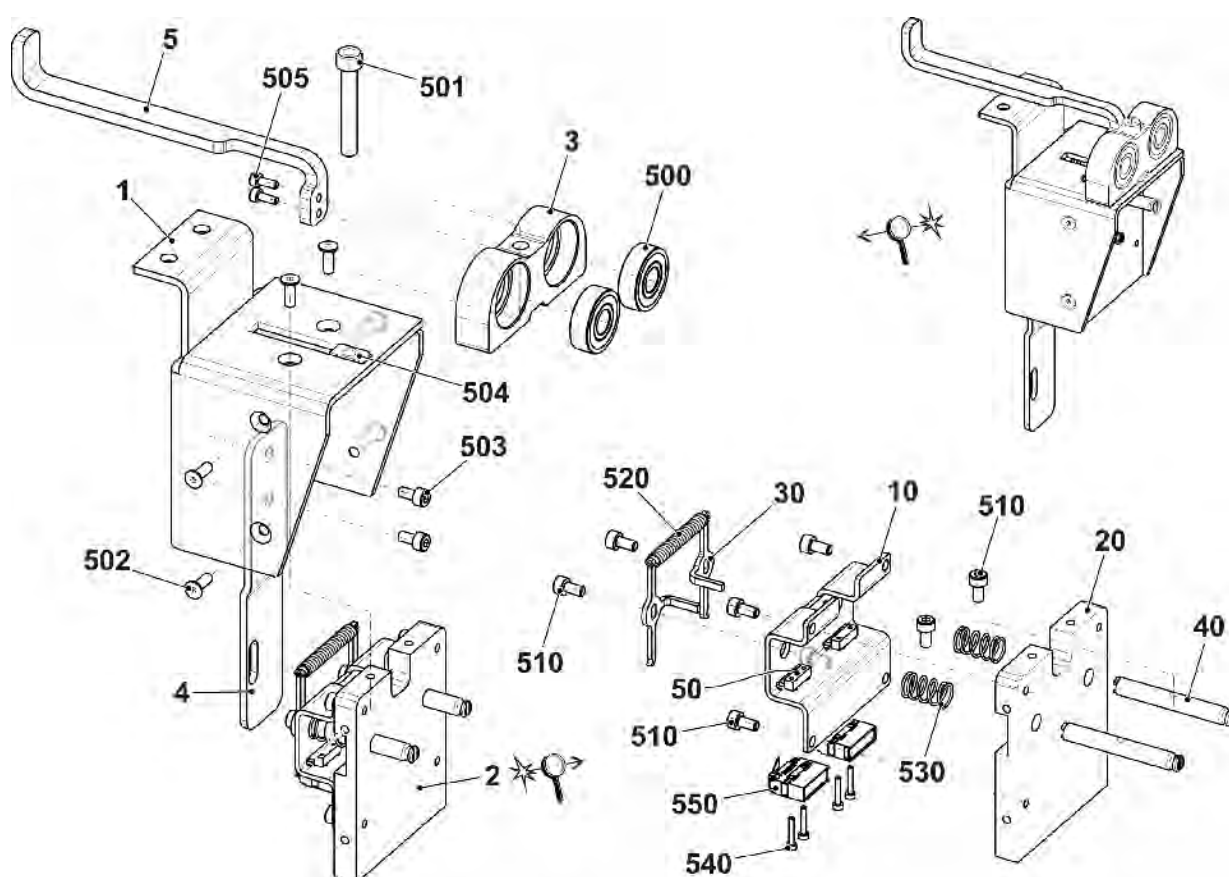
8.3 Drive unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	265 975			
1	Motor complete	265 614	8	Toothed belt 560	265 738
2	Plate at the top	266 818	500	Retaining ring 20x1,2	020 956
3	Motor support	266 819	501	Grooved ball bearing 6204-2RS	022 848
4	Timing belt pulley 44-HTD8M	265 624	502	Grooved ball bearing 6004-2RS	236 089
5	Shaft	265 634	503	Cap screw M8x25	023 563
6	Flange	266 820	504	Setscrew M16x12	023 898
7	Eccentric	266 612	505	Feather key 6x6x20	265 788



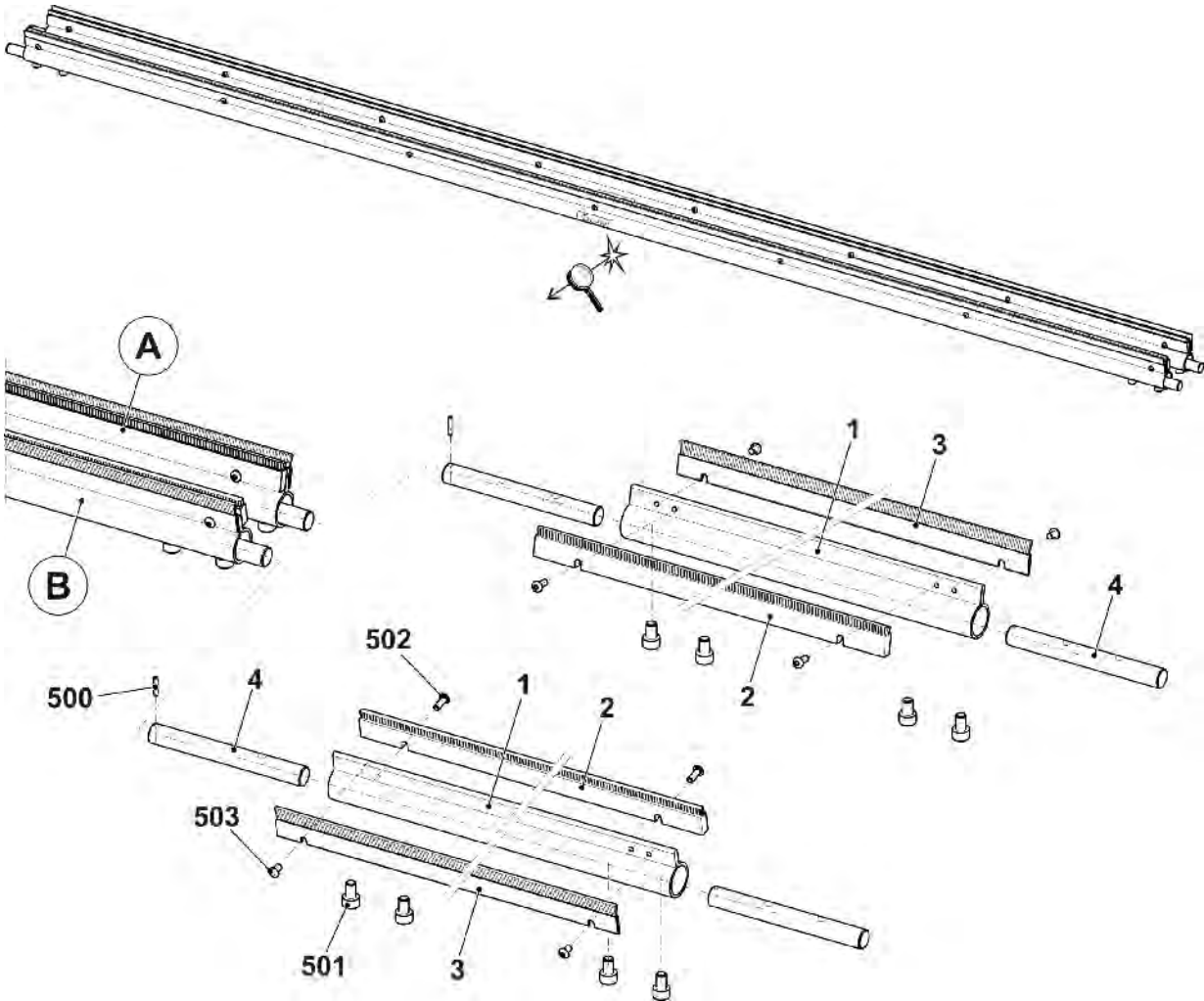
8.4 Support on the left

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



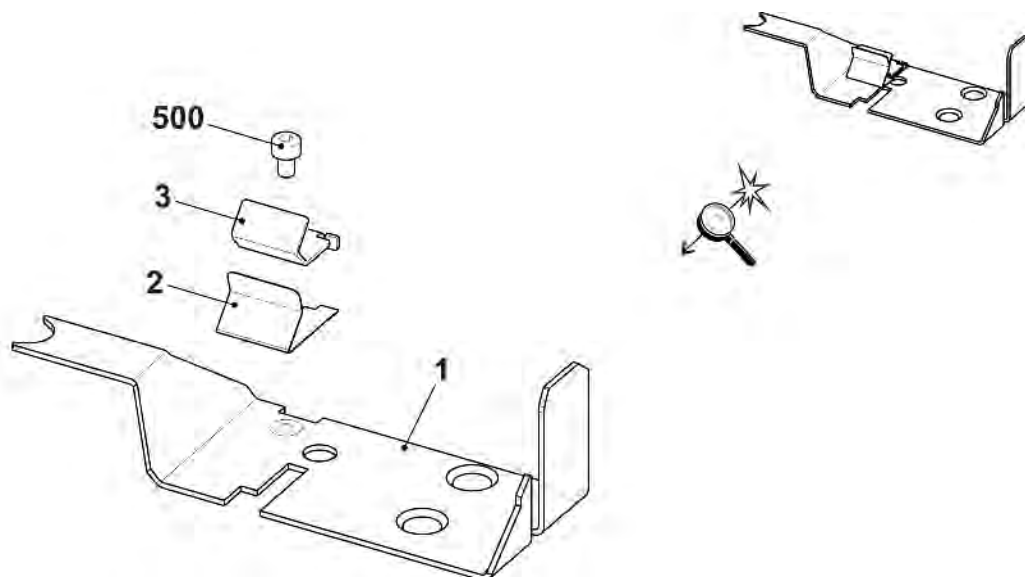
8.5 Winding guard

Pos	Designation	Id	Pos	Designation	Id
Σ	Winding guard complete	266 955	4	Shaft	265 697
A	Stripping angle at the rear complete	266 956	500	Dowel pin2x10	266 722
B	Stripping angle in the front complete	266 957	501	Cap screw M5x8	023 319
1	Stripping angle	266 949	502	Pan head screw M3x5	023 530
2	Stripping brush	266 950	503	Pan head screw M3x5	235 966
3	Brush antistatic	266 951			

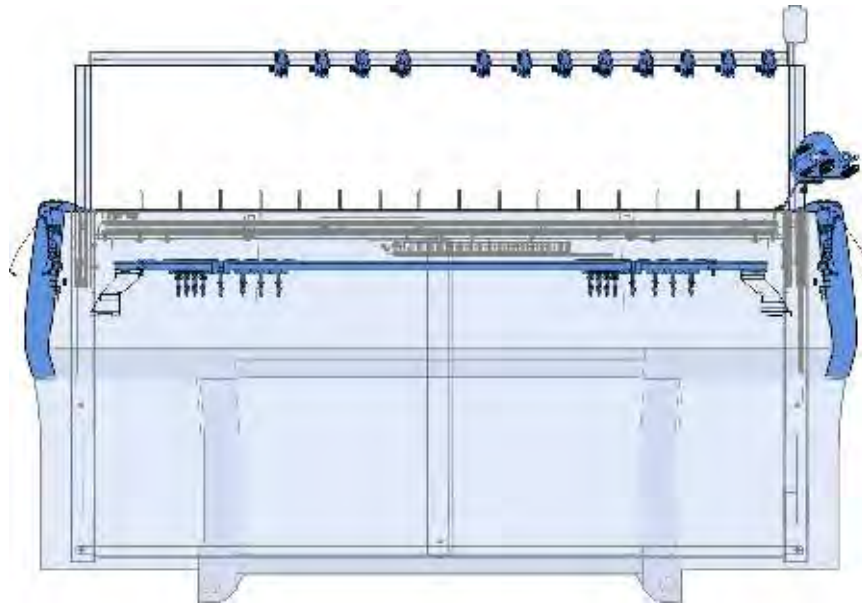


8.6 Yarn brake

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn brake on the right E5-10	267 907			
1	Cover on the right	267 905	3	Test clamping plate	256 713
2	Leaf spring	256 712	500	Cap screw M4x6	023 067

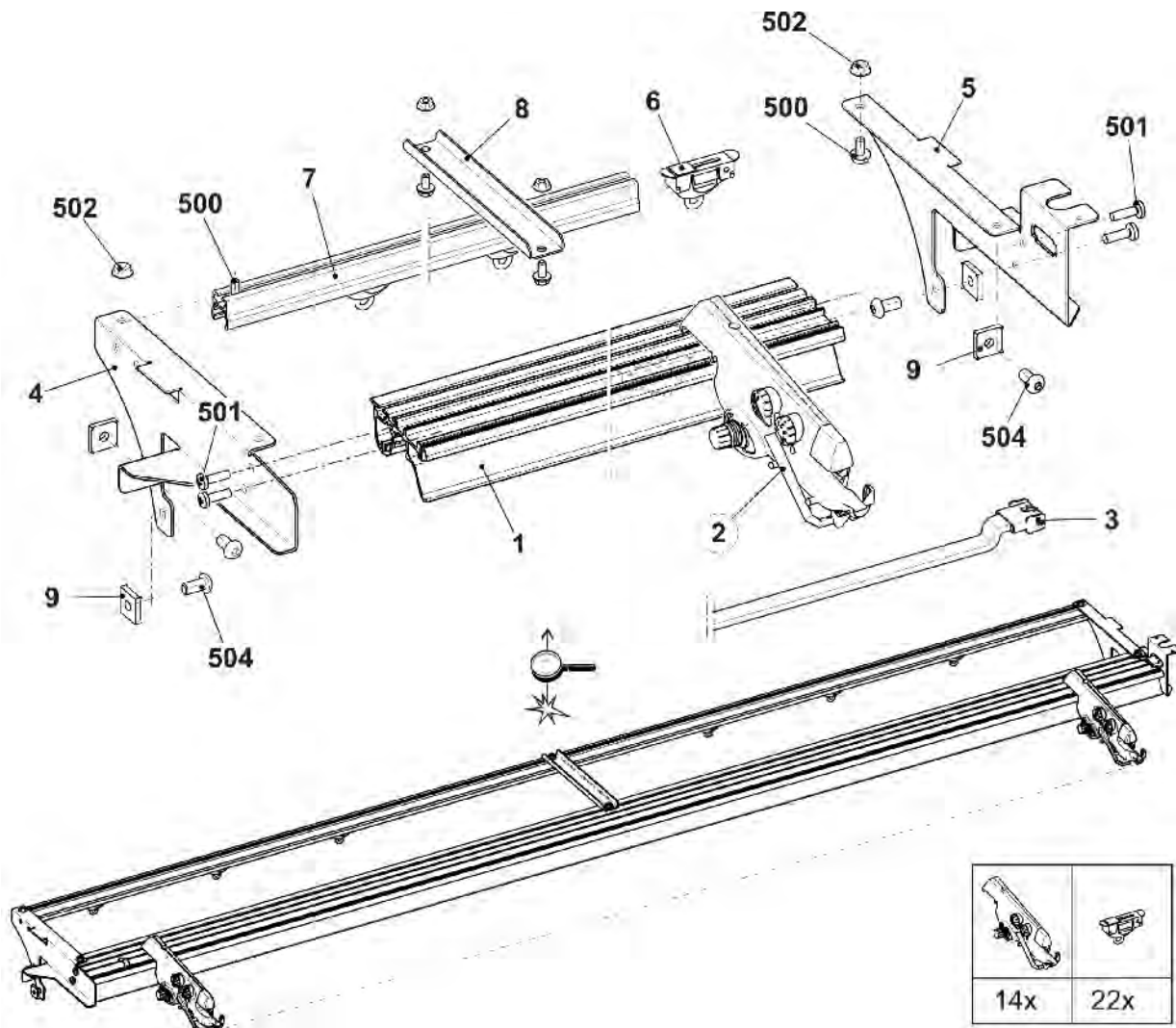


9 Yarn delivery device



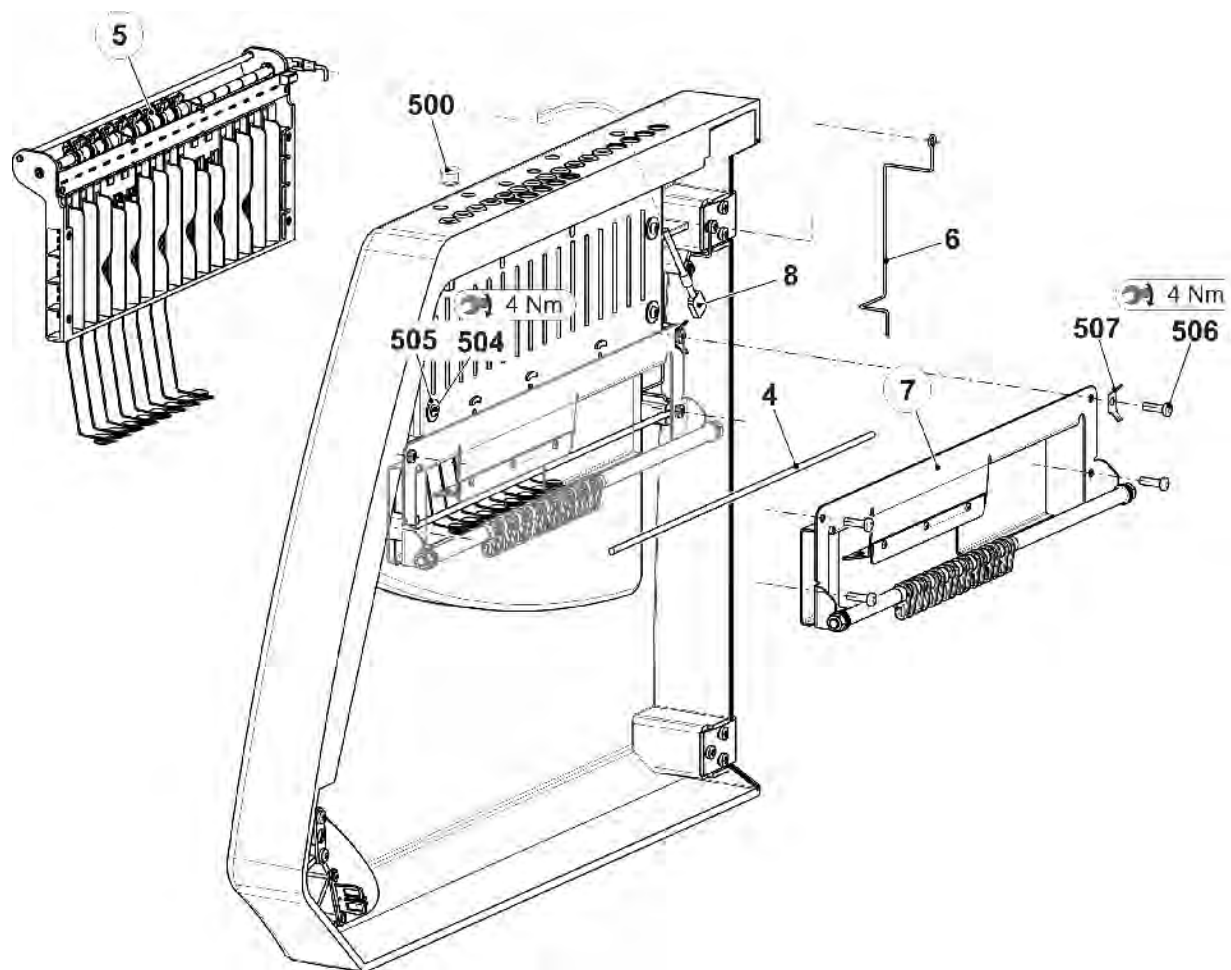
9.1 Yarn guide device

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Yarn guide device 14 FKE 45"	264 342	7	Yarn guide bar 45"	251 631
1	Straps	264 652	8	Straps	264 555
2	Yarn control device (FKE)	237 124	9	Slot nut	228 851
3	Connection cable FKE E2	251 653	500	Self-locking screw M6x12	023 415
4	Support on the left	264 518	501	Screw M6x20	023 721
5	Support on the right	264 519	502	Serrated nut M6-10	023 414
6	Yarn guide bracket complete	241 581	504	Pan-head screw M8x16	023 113



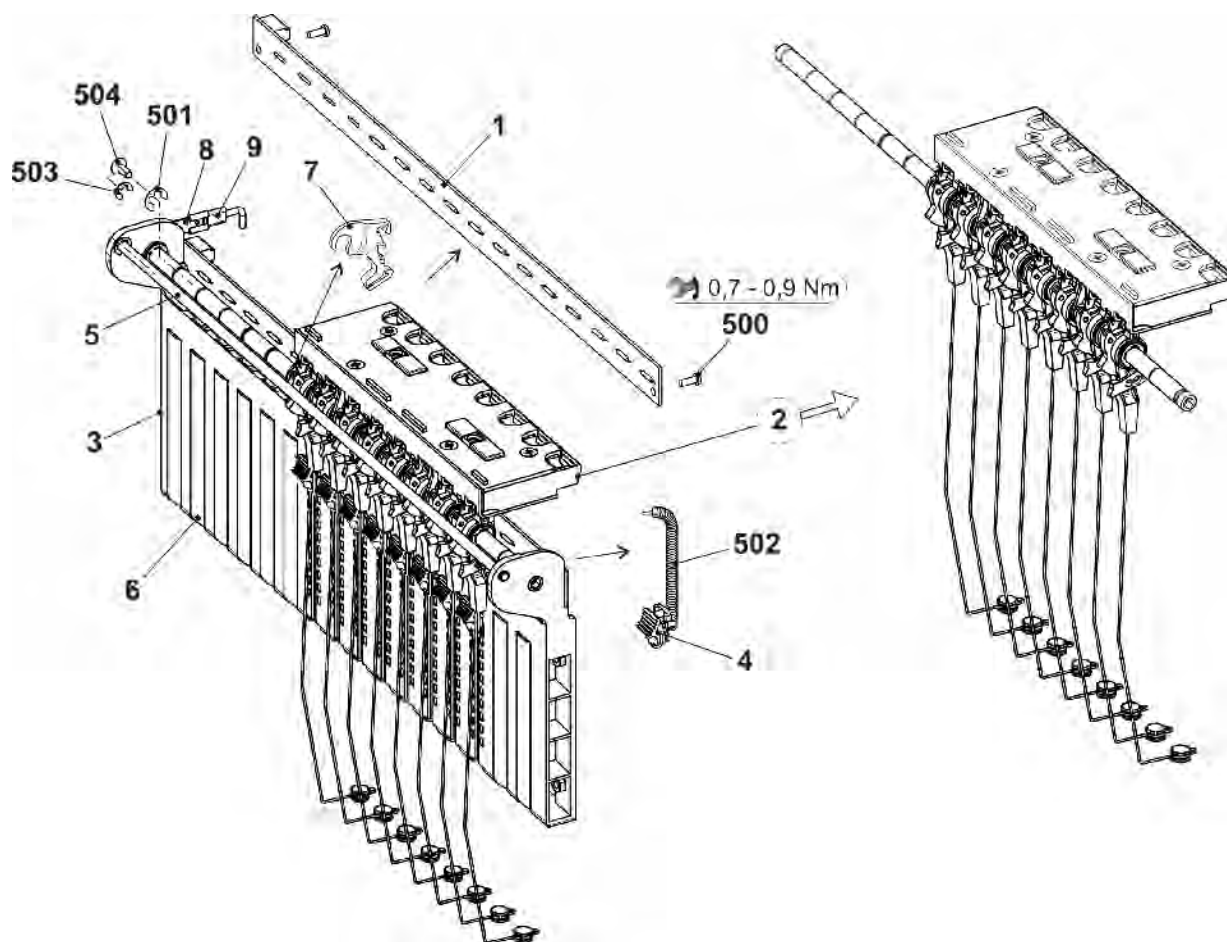
9.2 Left yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete		7	Yarn deflector on the left complete	265 308
	E5 E7m5 E3,5.2 E3,5.2m4L E2,5.2 E2,5.2m4L	265 334	8	Connection cable yarn tensionerokc	240 808
	E7	265 335	500	Ceramic eyelet	240 640
4	Shaft	241 318	504	Pan-head screw M5x16	265 377
5	Yarn tensioner on the left complete E5	264 086	505	Washer 5,3x18x1,5	020 909
	Yarn tensioner on the left complete E7-8	264 087	506	Screw 6x20	265 379
6	Wire bow on the left	265 052	507	Flat connector 2x45° M6	243 117



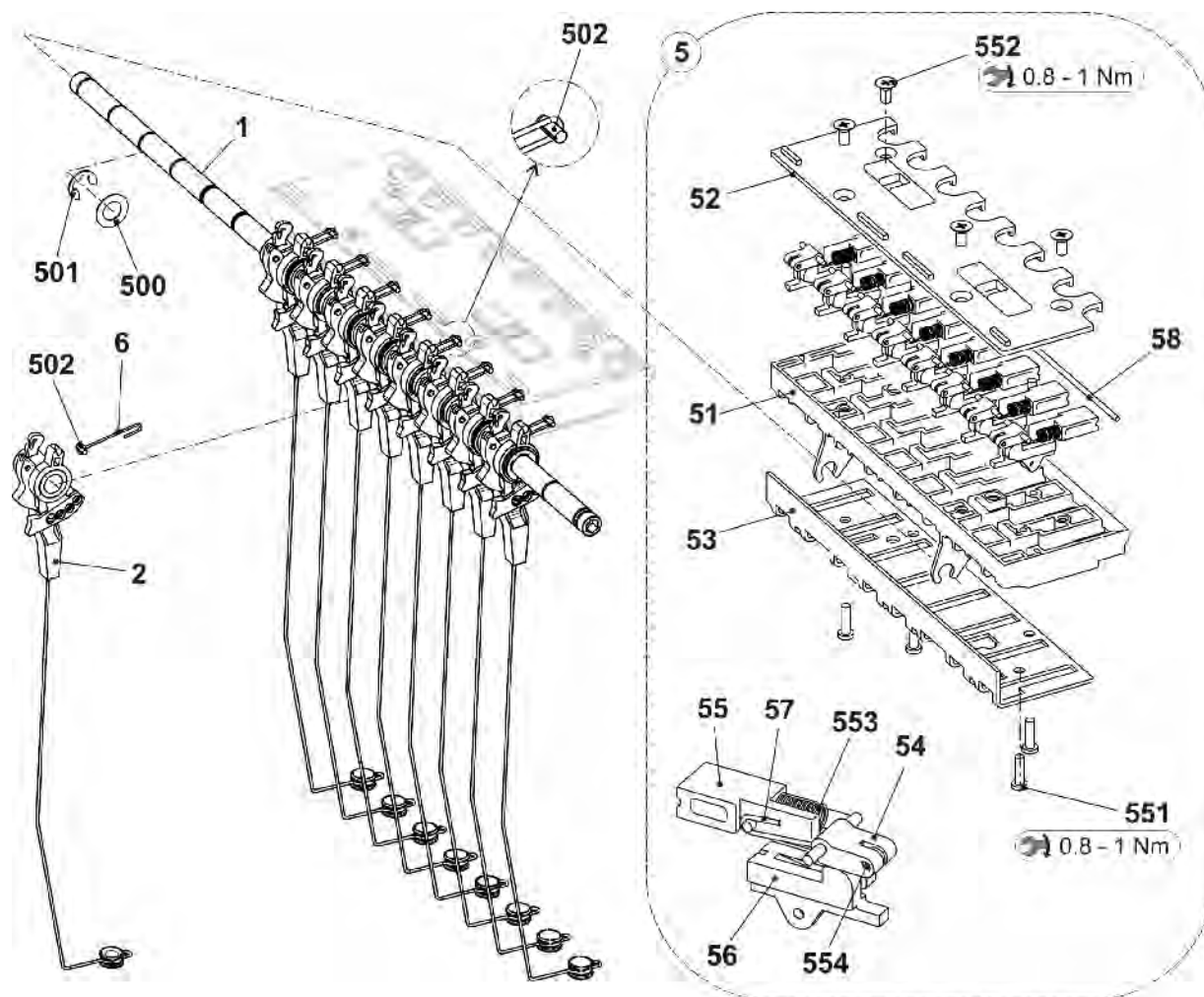
9.2.1 Left yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the left complete		7	Spacer	242 048
	E5 E7m.5 E3,5.2 E3,5.2m.4L E2,5.2 E2,5.2m.4L	264 086	8	Grounding plate of tension axle	243 121
	E7	264 087	9	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the left	241 345	500	Screw KB 30x8	236 228
2	Tension axle on the left complete E5-8	264 090	501	Circlip	021 022
3	Housing	241 367	502	Tension spring 5,05x0,55x53 E5 E7m. 5 E3,5.2 E3,5.2m.4L E2,5.2 E2,5.2m. 4L	023 502
4	Slider	241 694		Tension spring 4,9x0,5x53 E7	023 503
5	Stop point	241 368	503	Circlip	021 020
6	Border	242 268	504	Countersunk screw M4x10	241 914



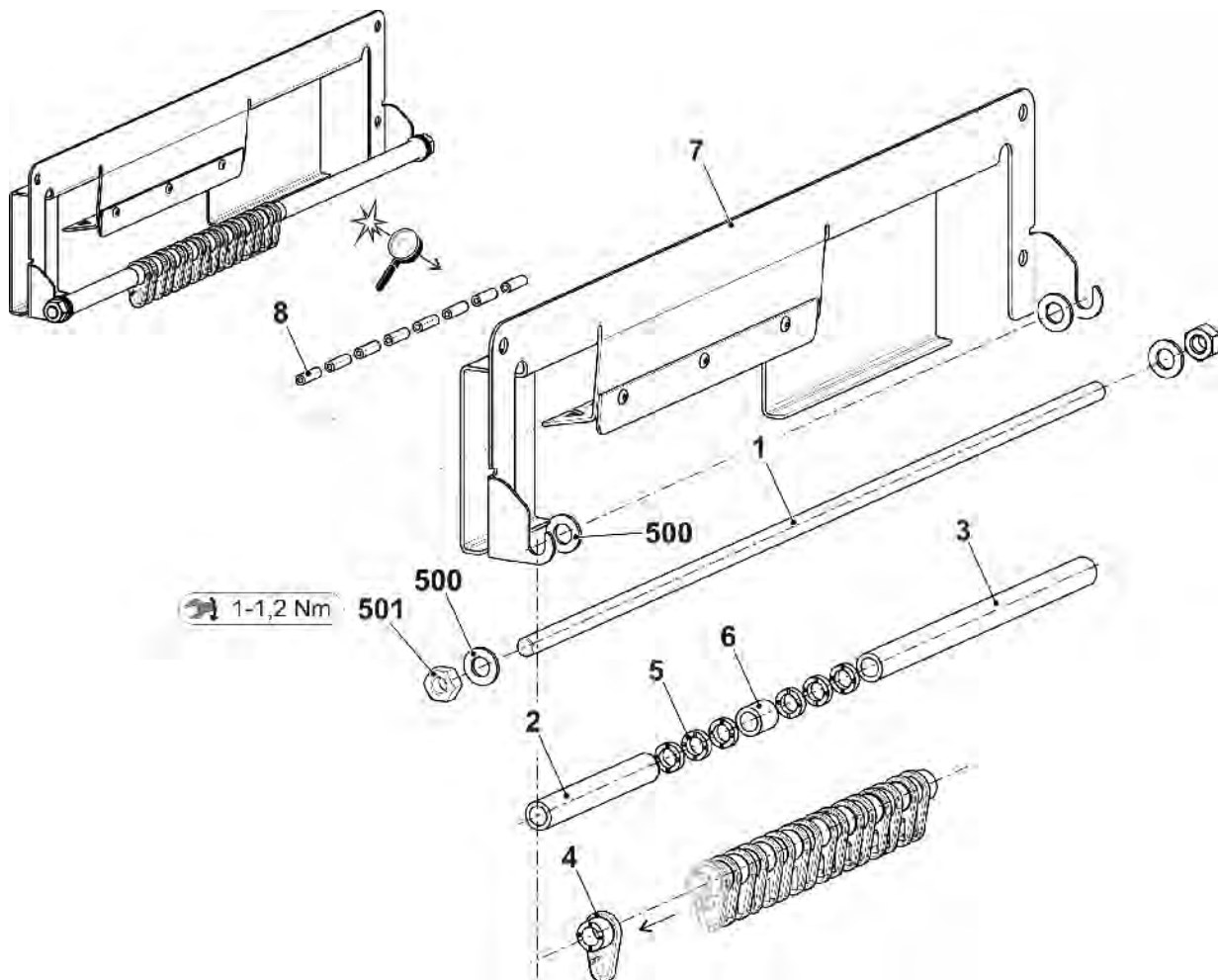
9.2.1.1 Left tension axle

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle on the left complete E5-8	264 090	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	259 448	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



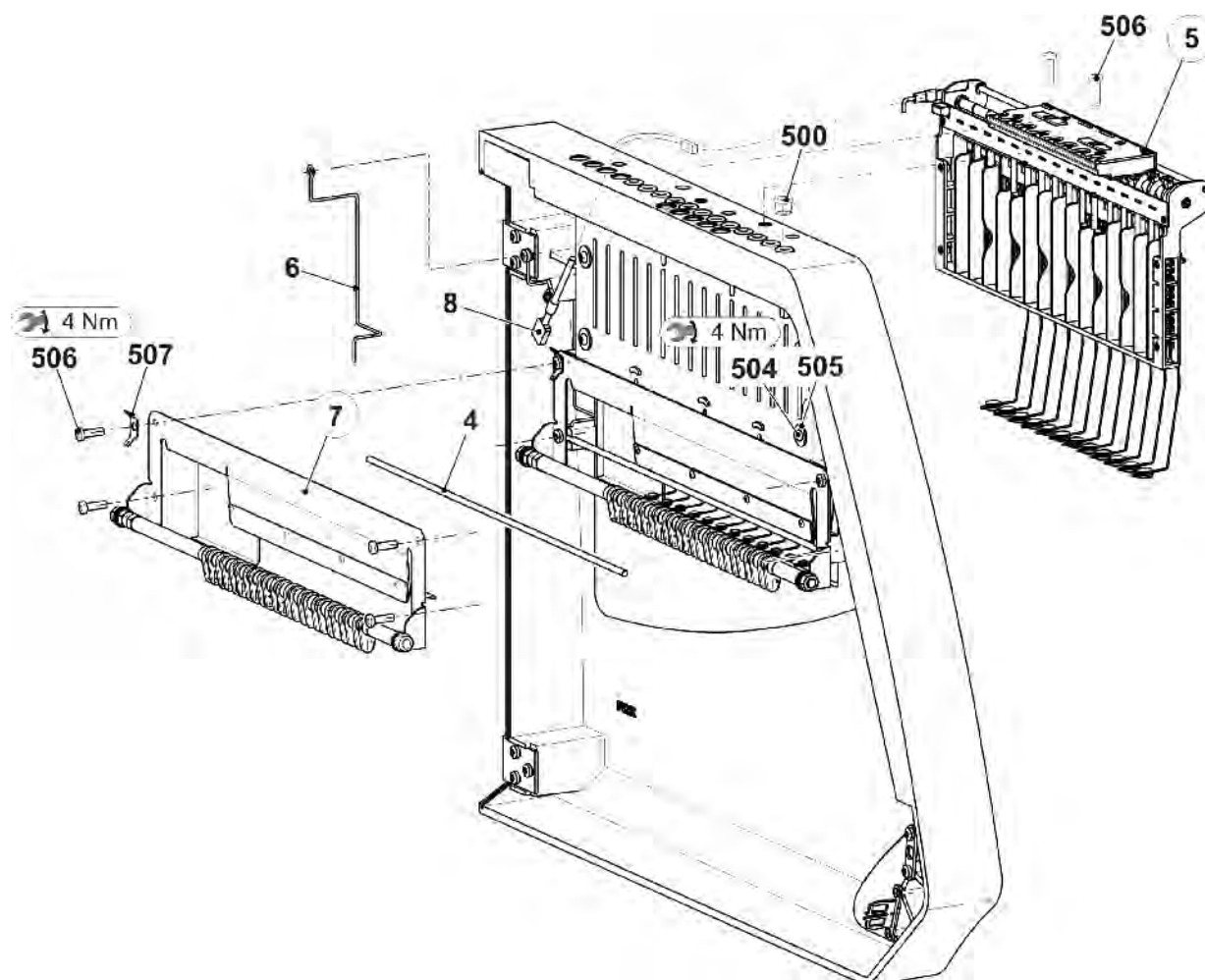
9.2.2 Yarn deflector on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the left complete	265 308			
1	Axle	265 284	6	Distance bushing	264 997
2	Threaded spacer	265 304	7	Stop plate left complete	265 307
3	Threaded spacer	265 309	8	Stop sleeve	266 433
4	Yarn Carriers MH10 E3-4	262 391	500	Washer 8	022 854
5	Distance bushingE3-4	262 445	501	Hexagon nut M8-6	261 011



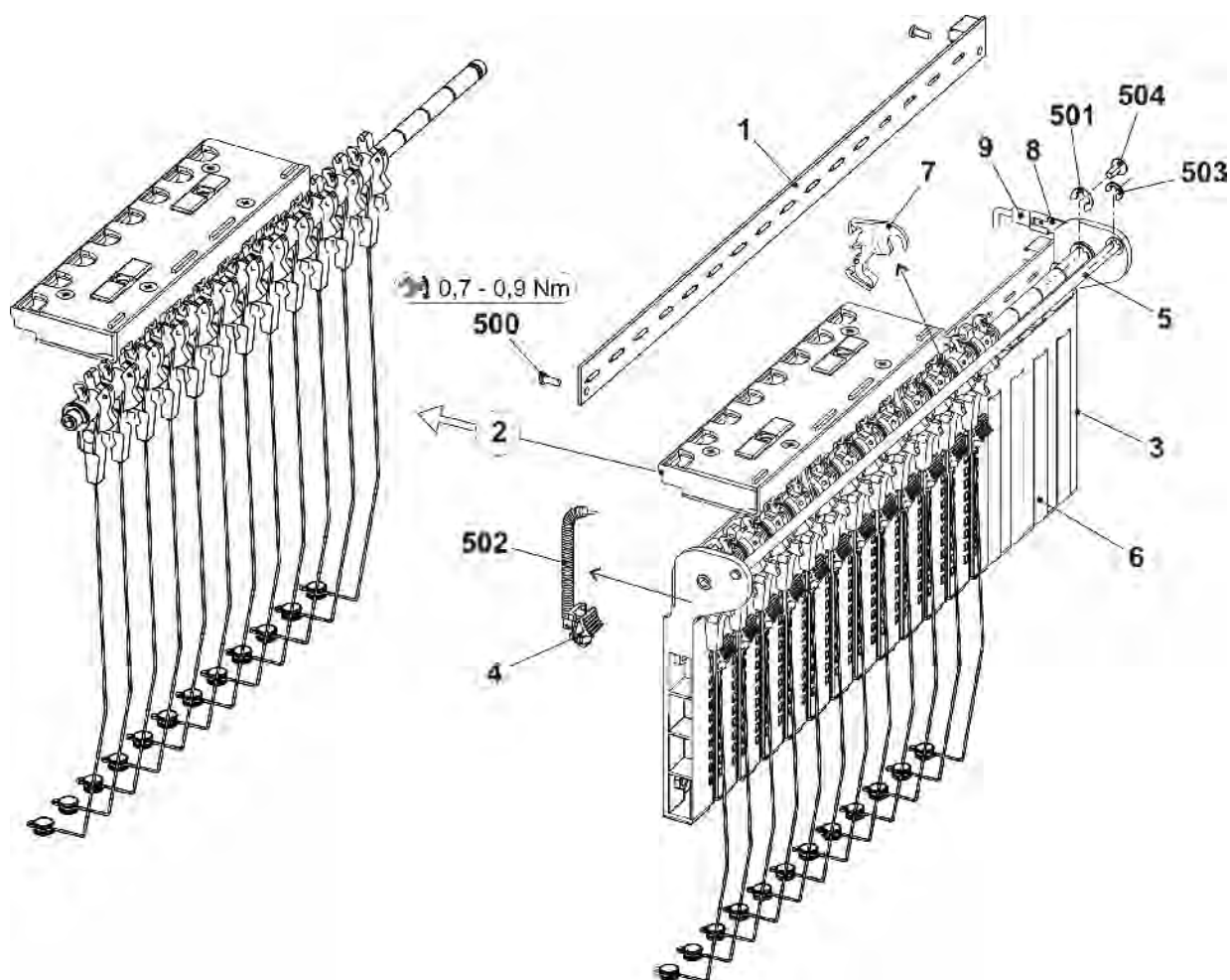
9.3 Right yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete		7	Yarn deflector on the right complete	265 356
	E5 E7m5 E3,5.2 E3,5.2m4L E2,5.2 E2,5.2m4L	265 331	8	Connection cable yarn tensionerokc	240 808
	E7	265 332	500	Ceramic eyelet	240 640
4	Shaft	241 318	504	Pan head screw M5x16	265 377
5	Yarn tensioner on the right complete E5	241 382	505	Washer 5,3x18x1,5	020 909
	Yarn tensioner on the right complete E7-8	241 383	506	Screw 6x20	265 379
6	Wire bow on the left	265 052	507	Flat connector 2x45° M6	243 117



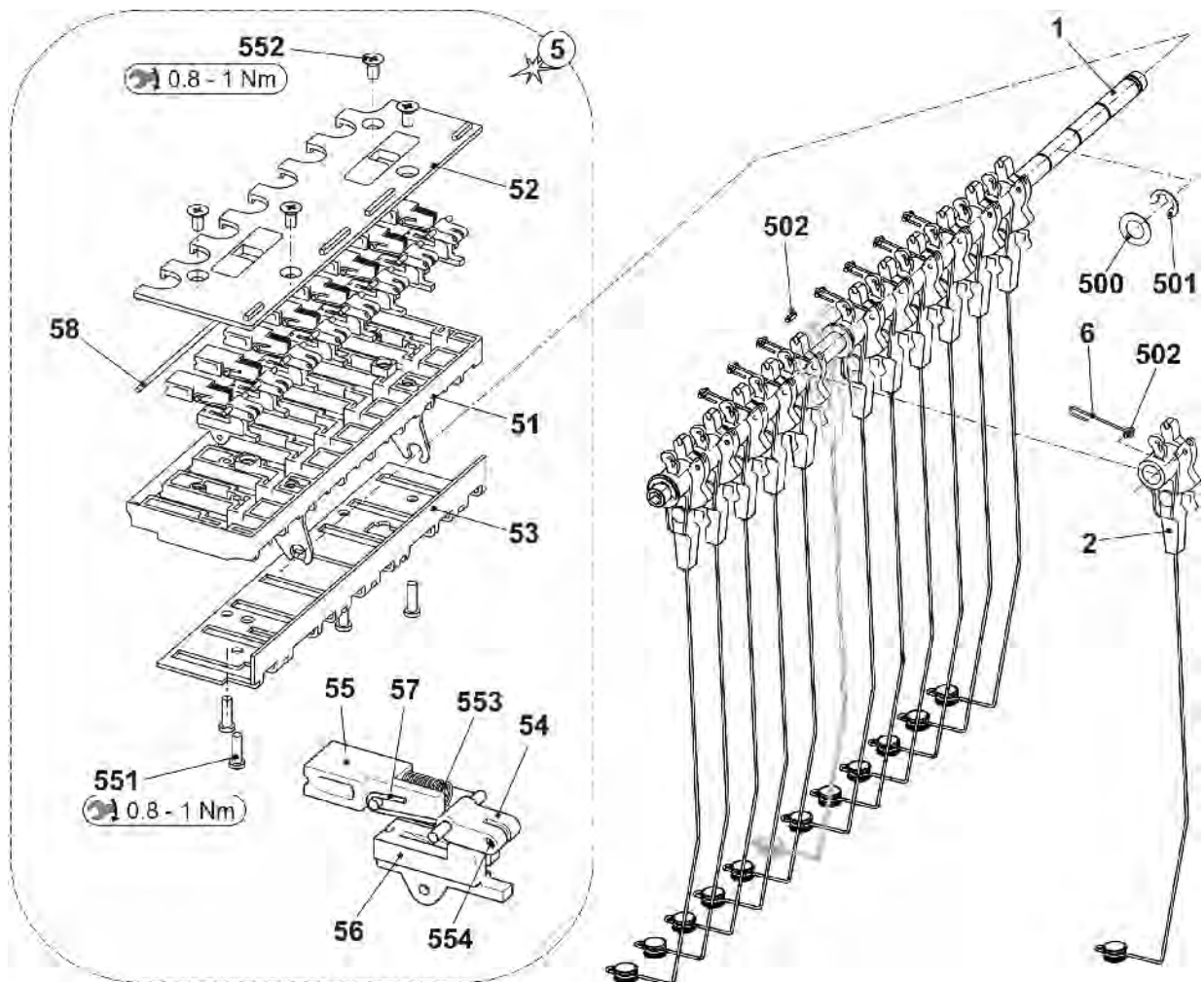
9.3.1 Right yarn tensioner

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



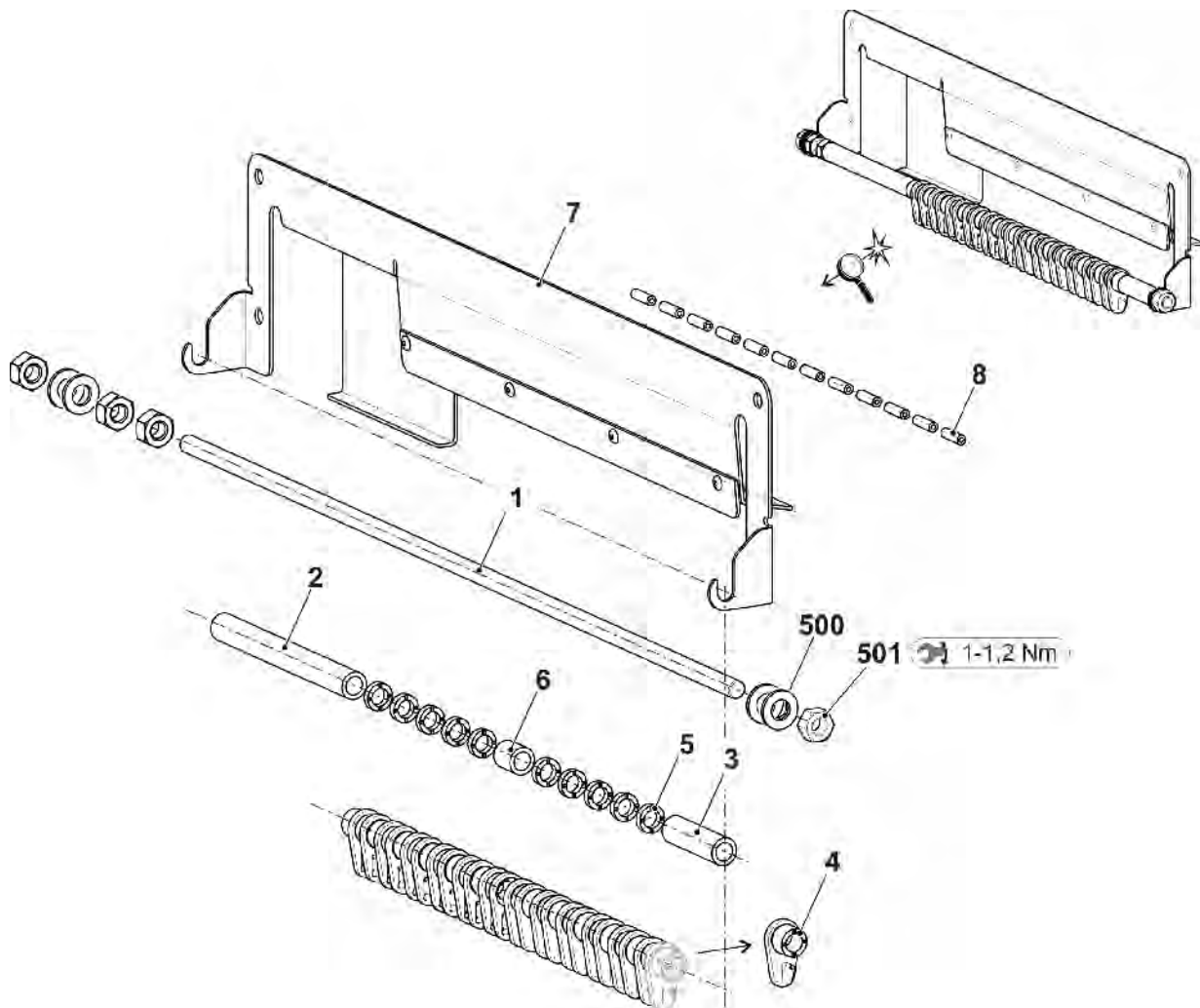
9.3.1.1 Right tension axle

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle on the right complete E3-8	241 379	56	SliderAKF	238 691
1	Axle	243 107	57	Wire bow	238 694
2	Tension arm pre-assembledE3-8	259 448	58	Wire	237 940
6	Wire bow	238 694	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	HousingAKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172
53	Sheet metal at the bottom (housing AKF)	240 719	500	Shim ring 8x14x0,5	023 501
54	Lever AKF	238 692	501	Circlip	021 022
55	Pressure piece AKF	238 690	502	Grooved pin 2x6	243 172



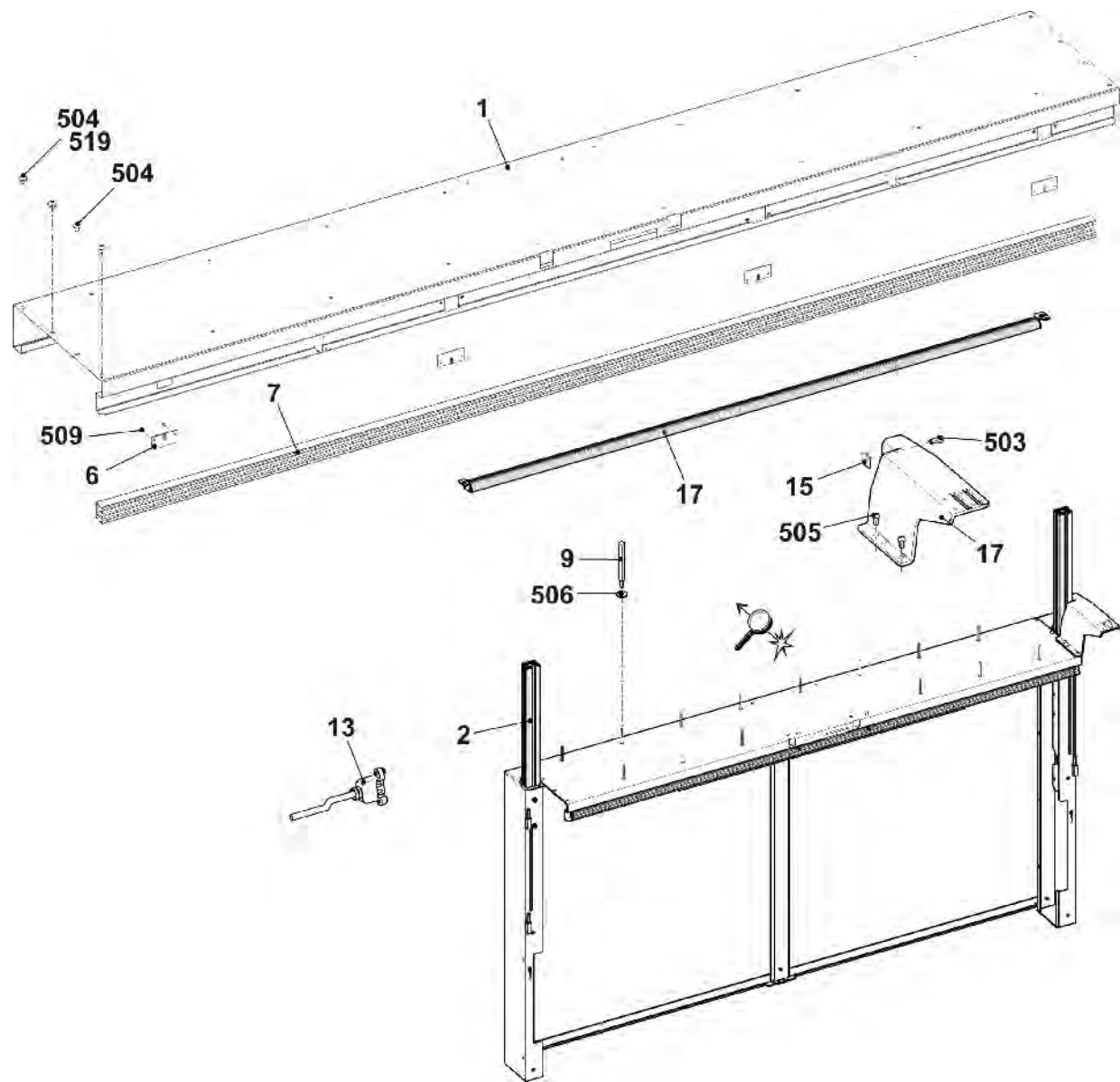
9.3.2 Yarn deflector on the right complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the right complete	265 356			
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	8	Stop sleeve	266 433
4	Yarn Carriers MH10 E3-4	262 391	500	Washer 8	022 854
5	Distance bushingE3-4	262 445	501	Hexagon nut M8-6	261 011



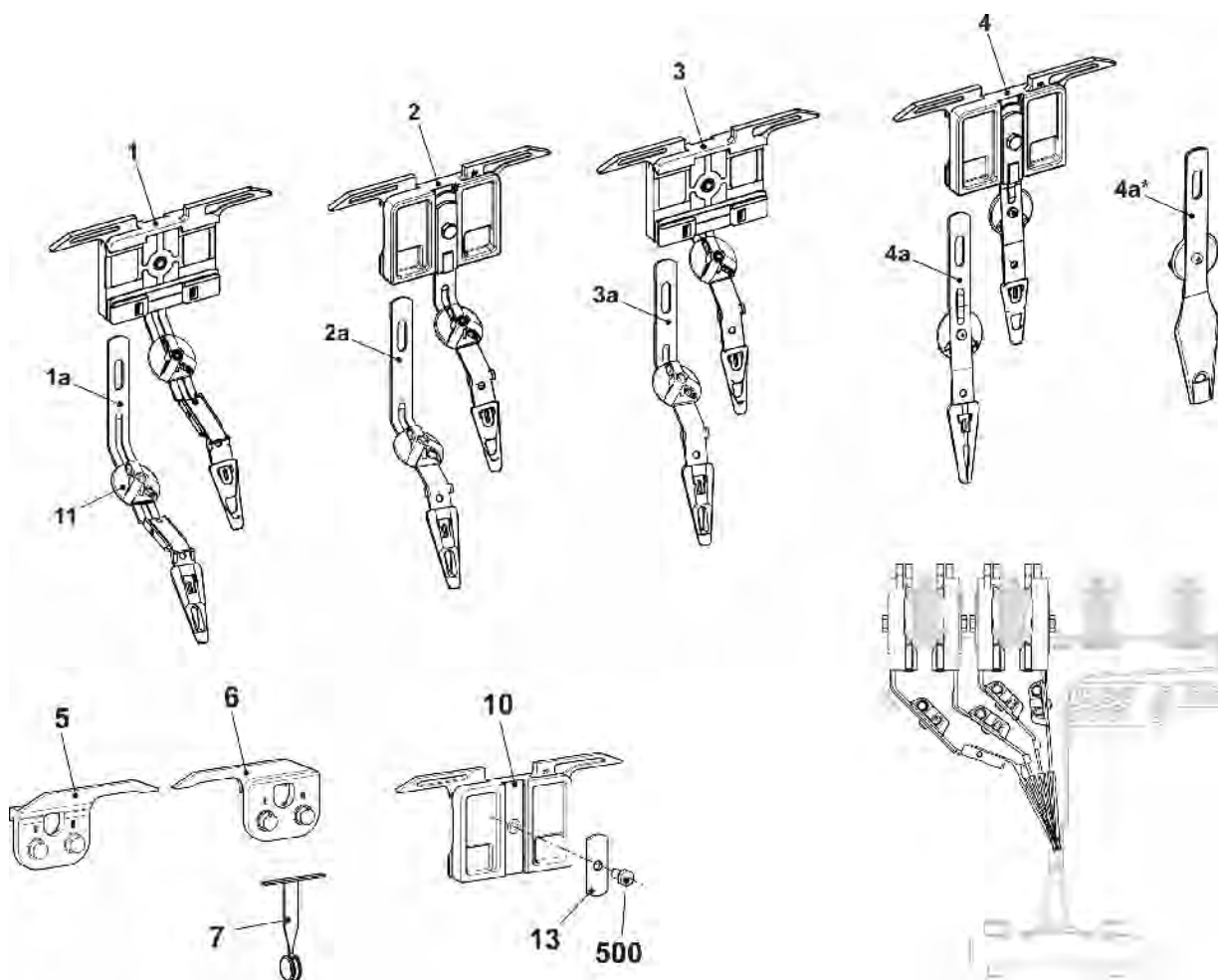
9.4 Bobbin board

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Table complete45"	264 001	15	Slot nut	228 851
1	Table	264 765	17	Lamp LED complete	264 759
2	Support element	228 594	503	Pan head screw M8x18	251 331
6	Card safety door switch middle	256 666	504	Pan head screw M8x10	241 930
7	Guide rail at the top	264 129	505	Pan head screw M8x16	023 113
9	Positioning pin	204 819	506	Washer 5	020 901
13	Cable USB extension BM2	253 706	509	Cap screw 3x4	022 805
14	Support of right feed wheel	264 454	519	Washer 8,2x16,2x1,4	023 679



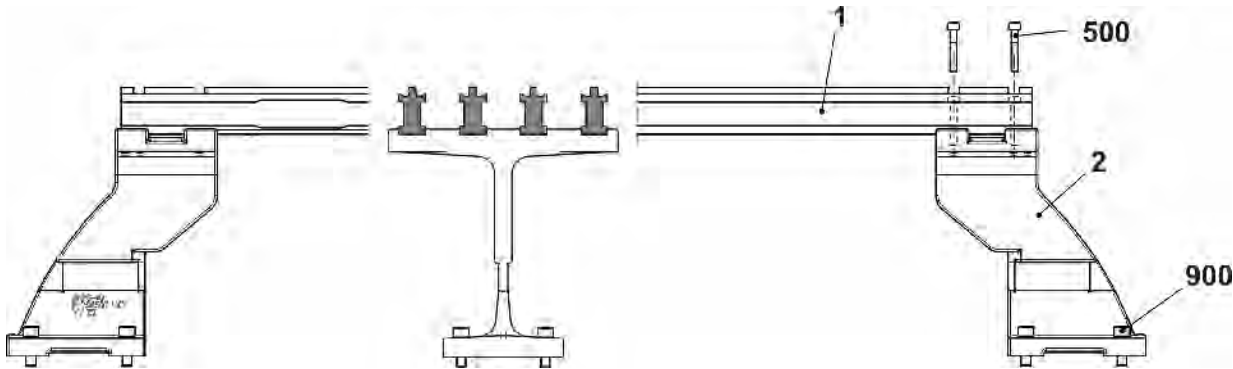
9.5 Yarn guide complete

Pos	Designation	Track	ID	Pos	Designation	ID
Σ	Yarn guide complete					
	E5 E7m.5 E2,5.2 E3,5.2 E2,5.2m.4L E3,5.2m.4L		253 830			
	E7 E6.2		253 831			
	E5 E7m.5 E2,5.2 E3,5.2 E2,5.2m.4L E3,5.2m.4L					
1	FF carriage complete E5	1+8	243 935	1a	FF bow 1+8 complete E5	212 990
2	FF carriage complete E5	2+7	243 934	2a	FF bow 2+7 complete E5	212 992
3	FF carriage complete E5	3+6	243 933	3a	FF bow 3+6 complete E5	212 991
4	FF carriage complete E5	4+5	243 932	4a	FF bow 4+5 complete E5	212 993
E7				E7		
1	FF carriage complete E7-8	1+8	243 939	1a	FF bow 1+8 complete E7-8	212 892
2	FF carriage complete E7-8	2+7	243 938	2a	FF bow 2+7 complete E7-8	212 914
3	FF carriage complete E7-8	3+6	243 937	3a	FF bow 3+6 complete E7-8	212 925
4	FF carriage complete E7-8	4+5	243 936	4a	FF bow 4+5 complete E7-8	212 910
5	Limiter on the left complete		244 099	11	Yarn guide star complete	209 257
6	Limiter on the right complete		244 098	13	Shim	213 035
7	Slider with eyelet		230 709	500	Hexagon screw M5x10	020 351
10	FF carriage complete		243 062	4a*	FF bow 4+5 complete E3-4 (E2,5.2m.4L)	212 910



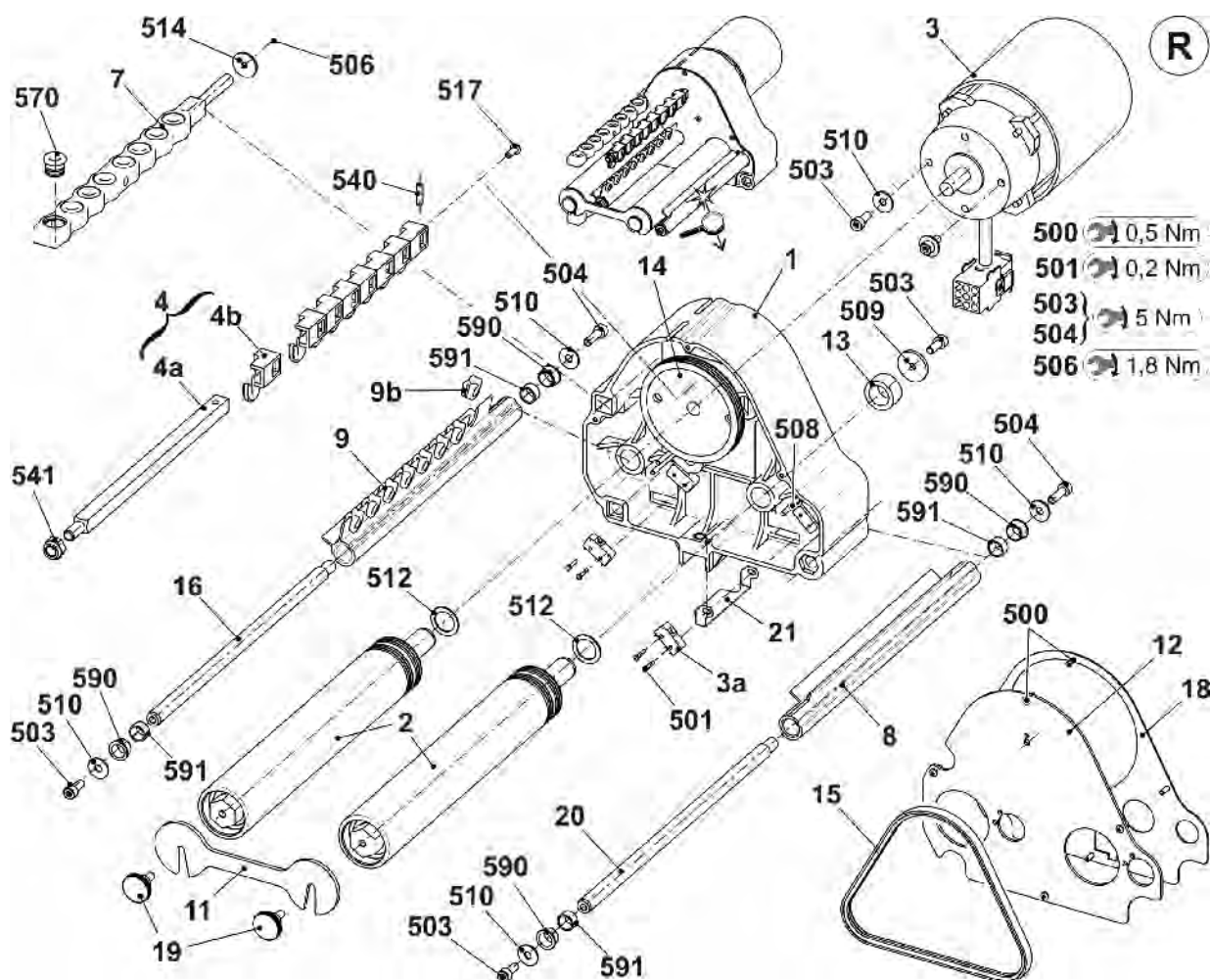
9.6 Bar unit

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Bar unit				
1	Yarn carrier rail	255 463	500	Cap screw M6x35	020 139
2	FF support	252 010	900	Cap screw M8x25	020 142



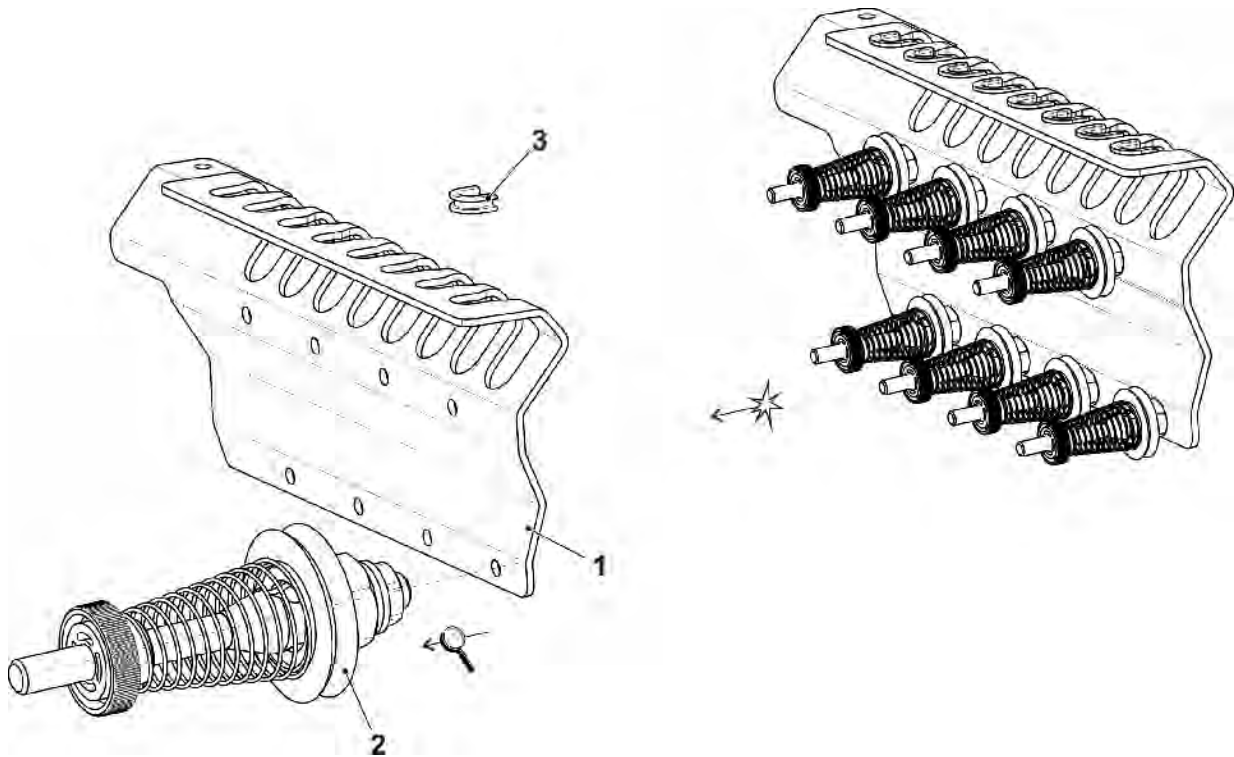
9.7 Right friction feed wheel

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

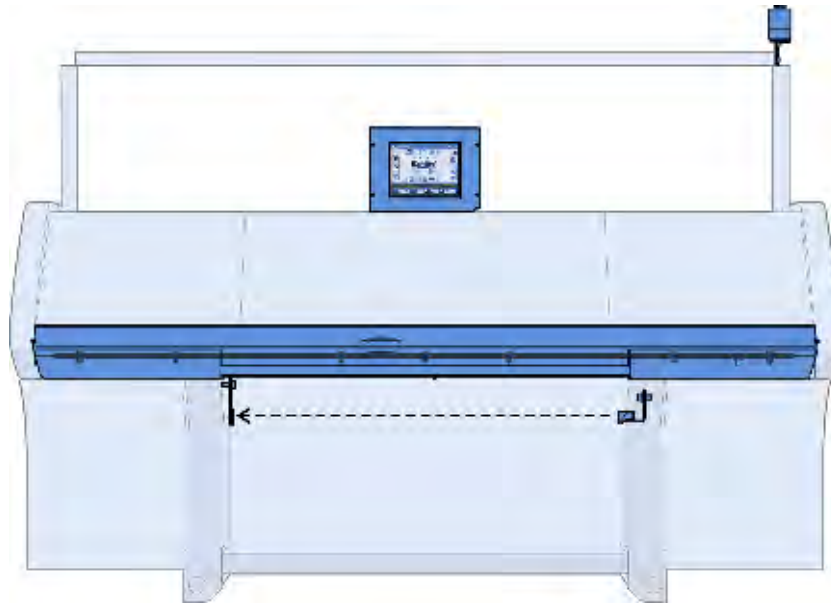


9.8 Stopping device on the right

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

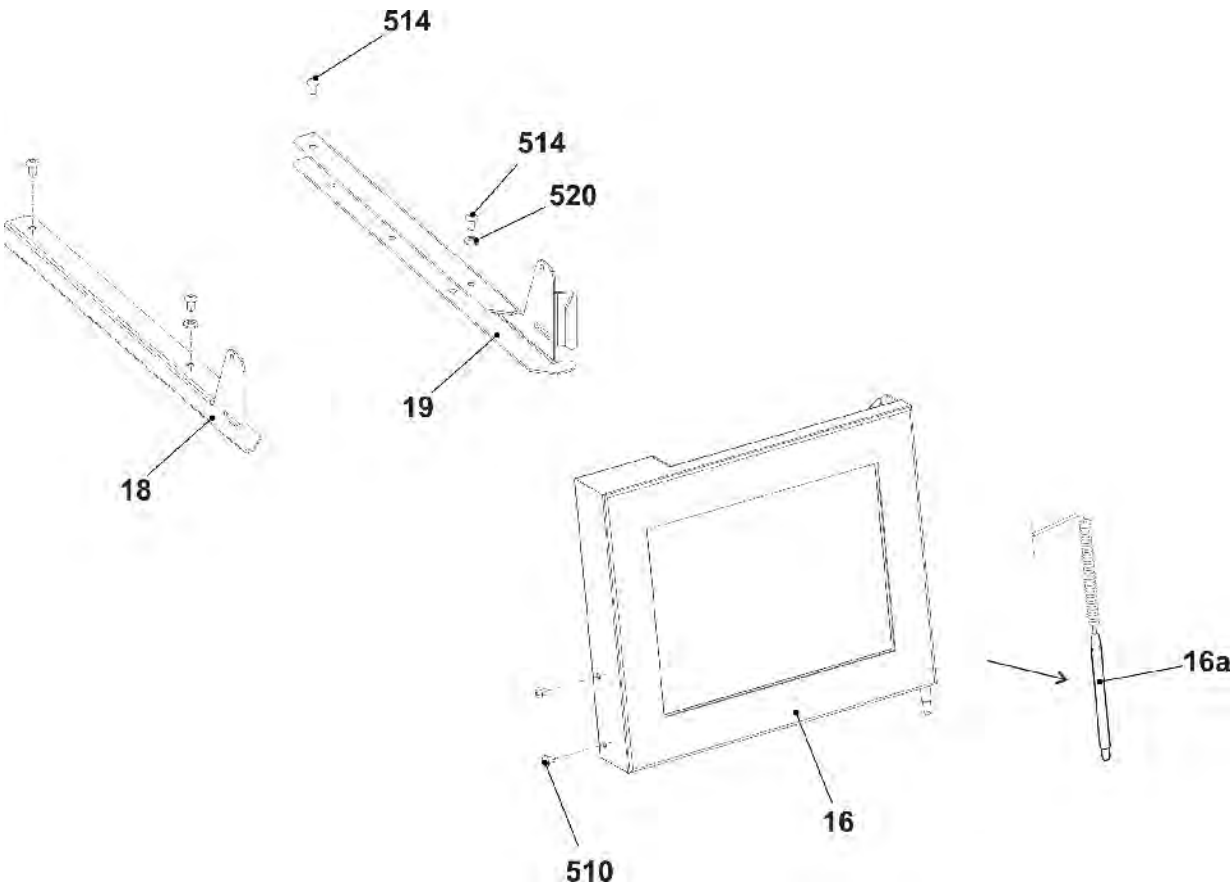


10 Operation and control



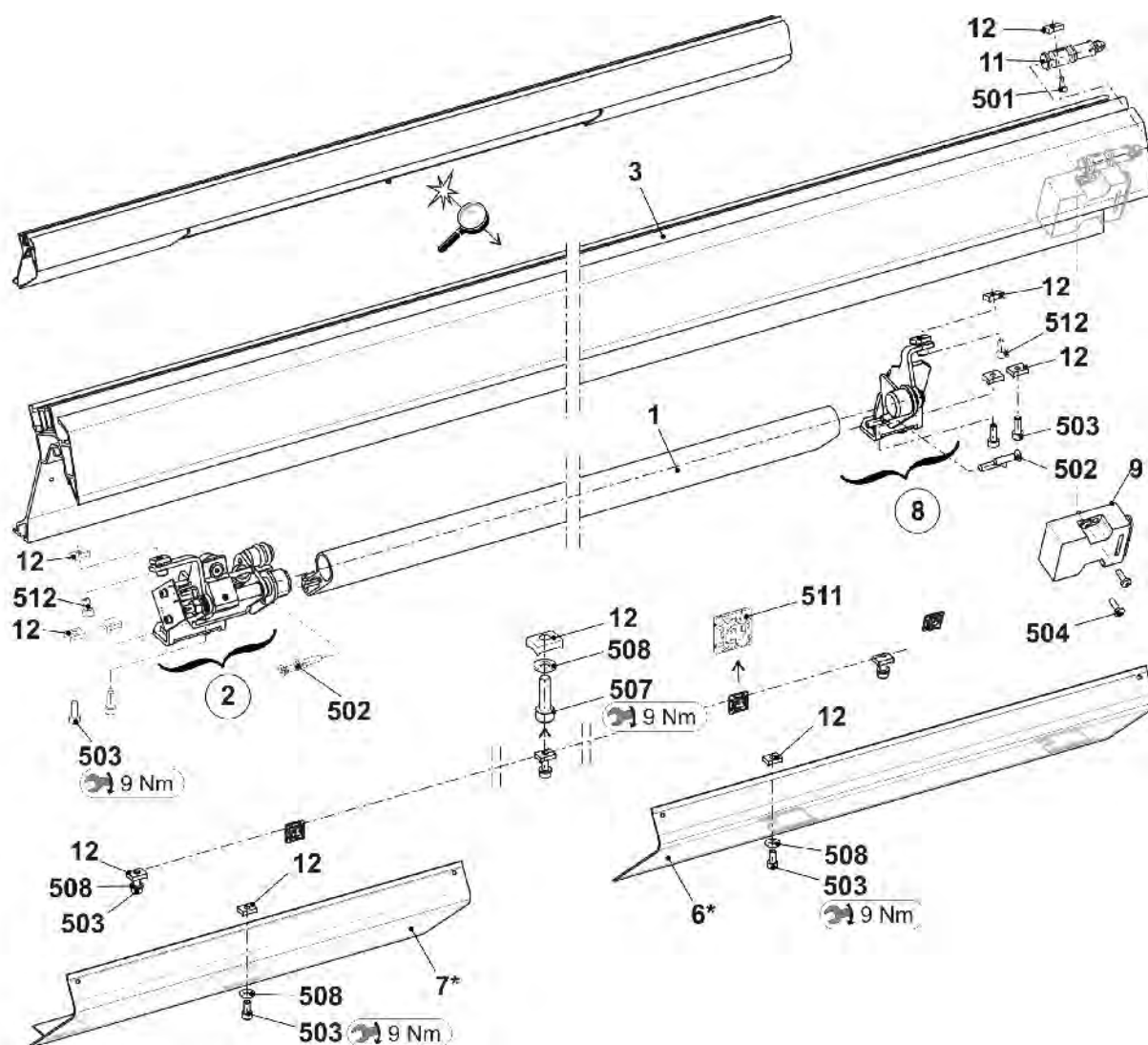
10.1 Input unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Display touch		19	Display support on the right	264 191
16	Display touch complete	264 093	510	Pan head screw M5x8	239 408
16a	Pencil touch	242 812	514	Pan head screw M6x108	023 183
18	Display support on the left	264 192	520	Washer 6,1x12,2x1,2	023 598



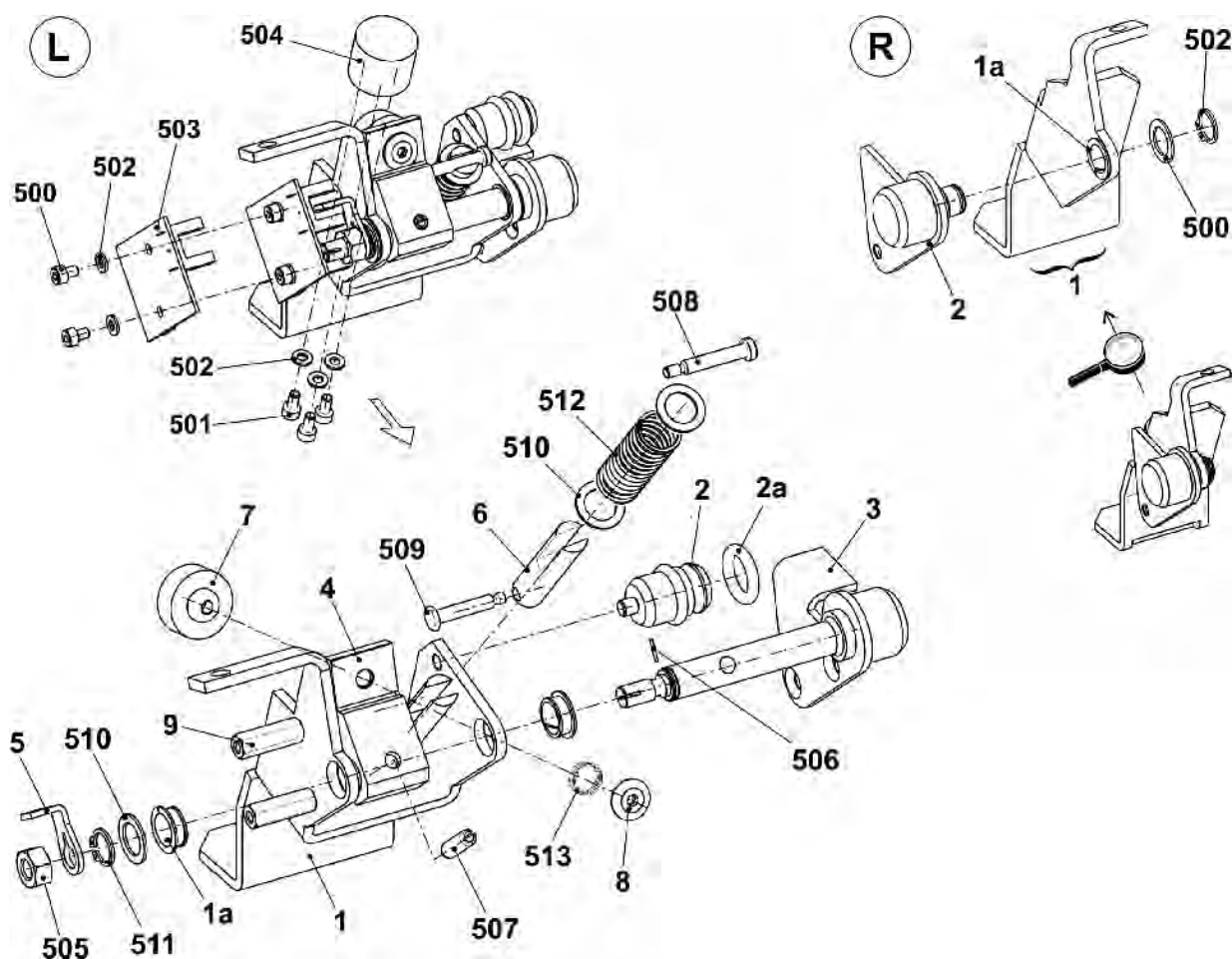
10.2 Starting device

Pos	Designation	Id	Pos	Designation	Id
Σ	Starting device	256 914			
1	Engaging Rod	251 686	501	Cap screw M6x20	020 136
2	Bearing on the left complete	250 071	502	Screw M6x25	023 510
3	Guide rail at the bottom pre-assembled	256 915	503	Cap screw M6x16	020 135
6*	Cover plate on the right	251 691	504	Pan head screw M5x14	023 588
7*	Cover plate on the left	251 690	507	Cap screw M6x20-12.9	020 136
8	Bearing on the right complete	252 964	508	Washer 6	020 872
9	Cable switch safety doors	223 350	511	Cable holder	262 037
11	Locating bolt	219 107	512	Cap screw M6x10	023 690
12	Slot nut	225 099	513	Pan head screw M5x10	023 247



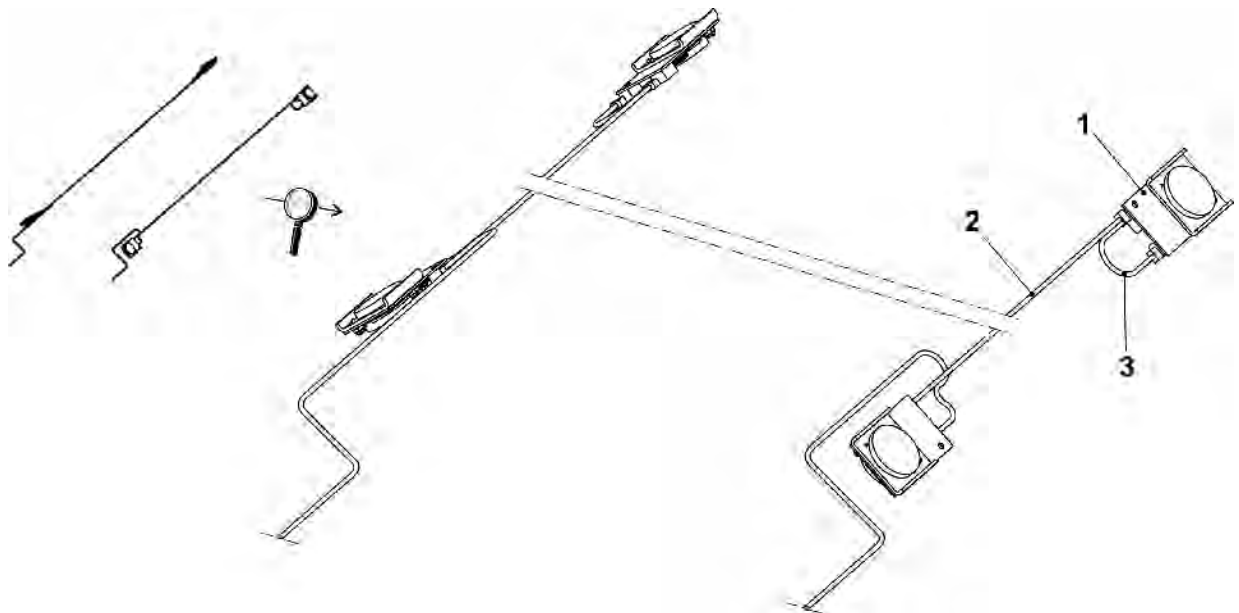
10.2.1 Bearing of the engaging rod

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



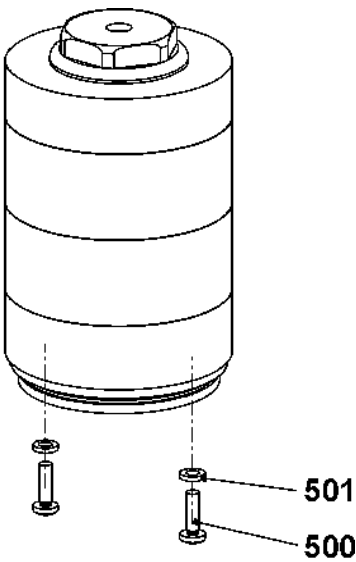
10.3 Shock stop motion

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Shock stop motion complete	255 435	2	Connecting cable piezo sensor	220 063
1	Shock stop motion (Piezo)	220 011	3	End plug piezo sensor	220 053



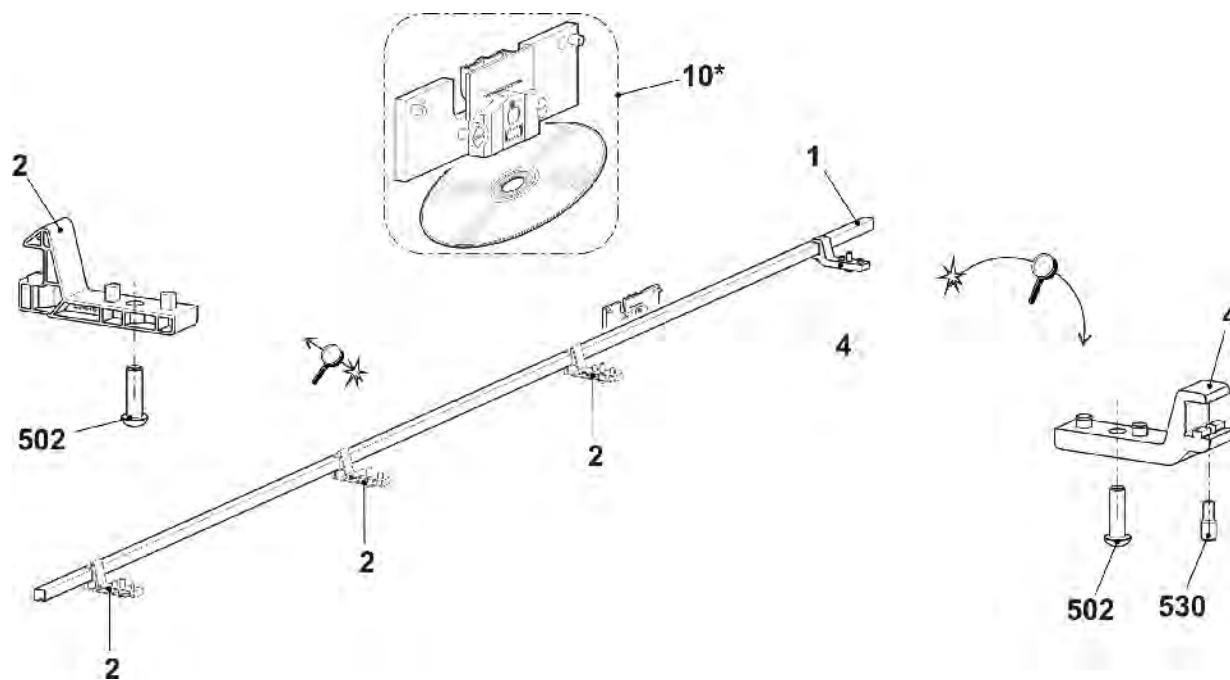
10.4 Signal light

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				

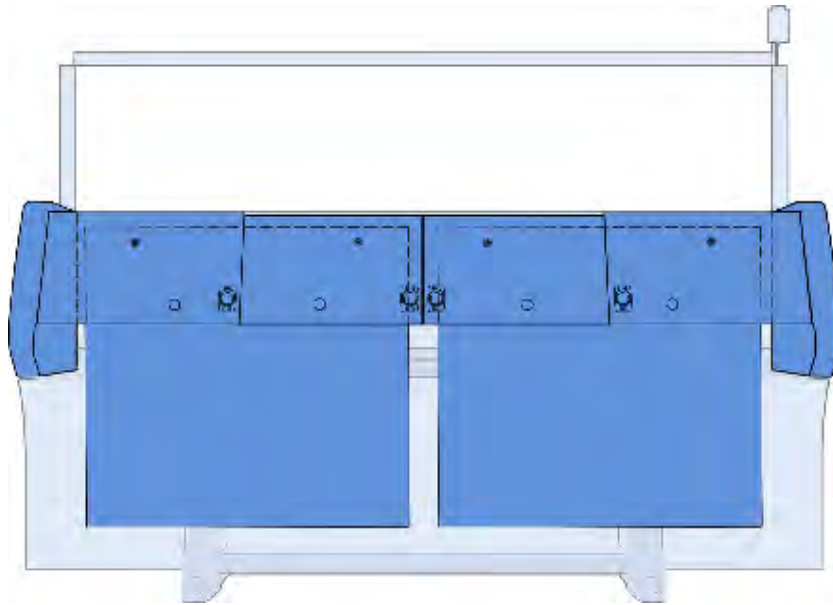


10.5 Measuring device

Pos	Designation	Id	Pos	Designation	Id
Σ	Measuring device				
1	Measuring bar	264 278	4	530 Setscrew	230 803
2	Guide	251 676	10*	Spare parts package impulse sensor GLM OH	266 961
4	Guide	240 672	502	Pan-head screw	241 603

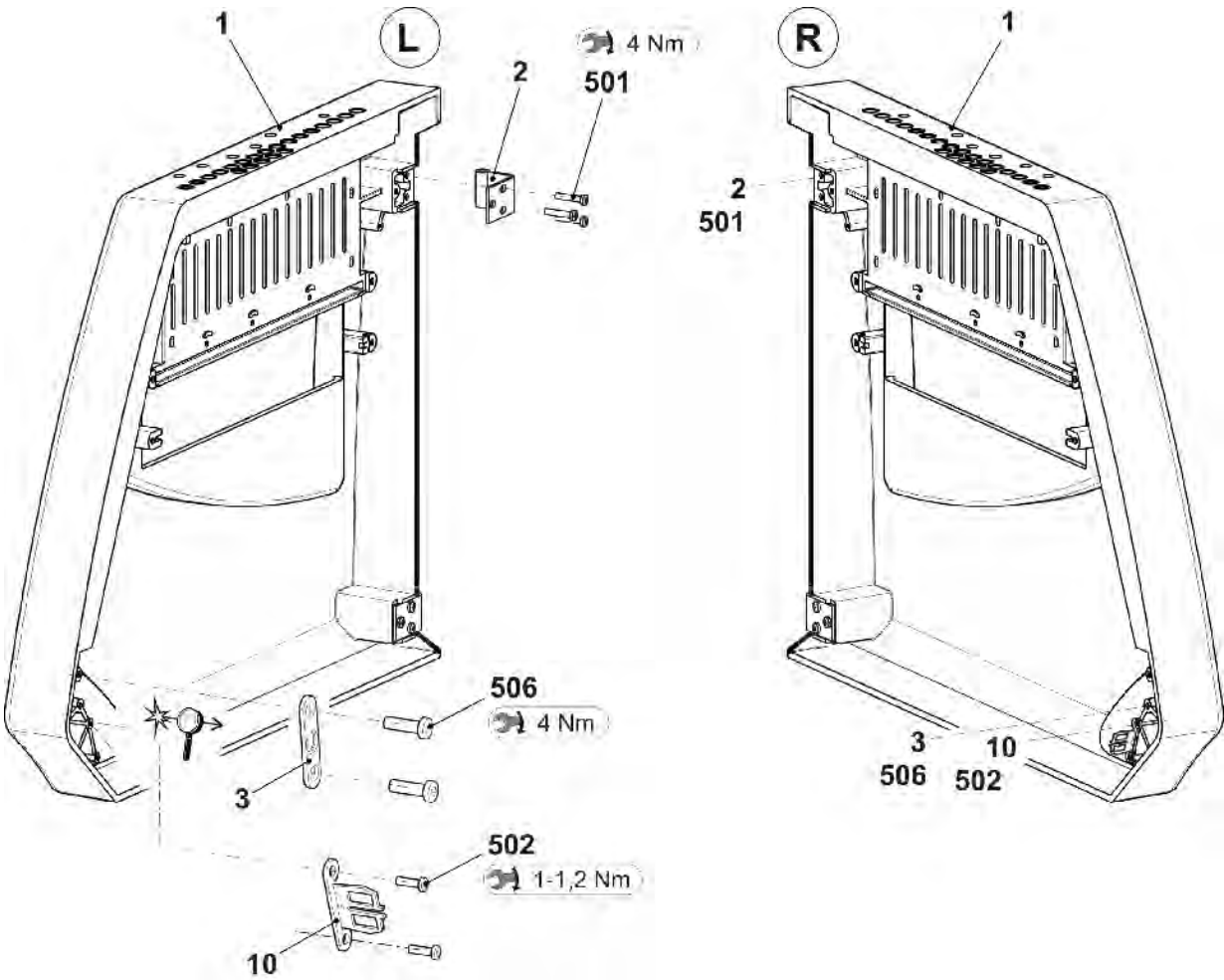


11 Protective device



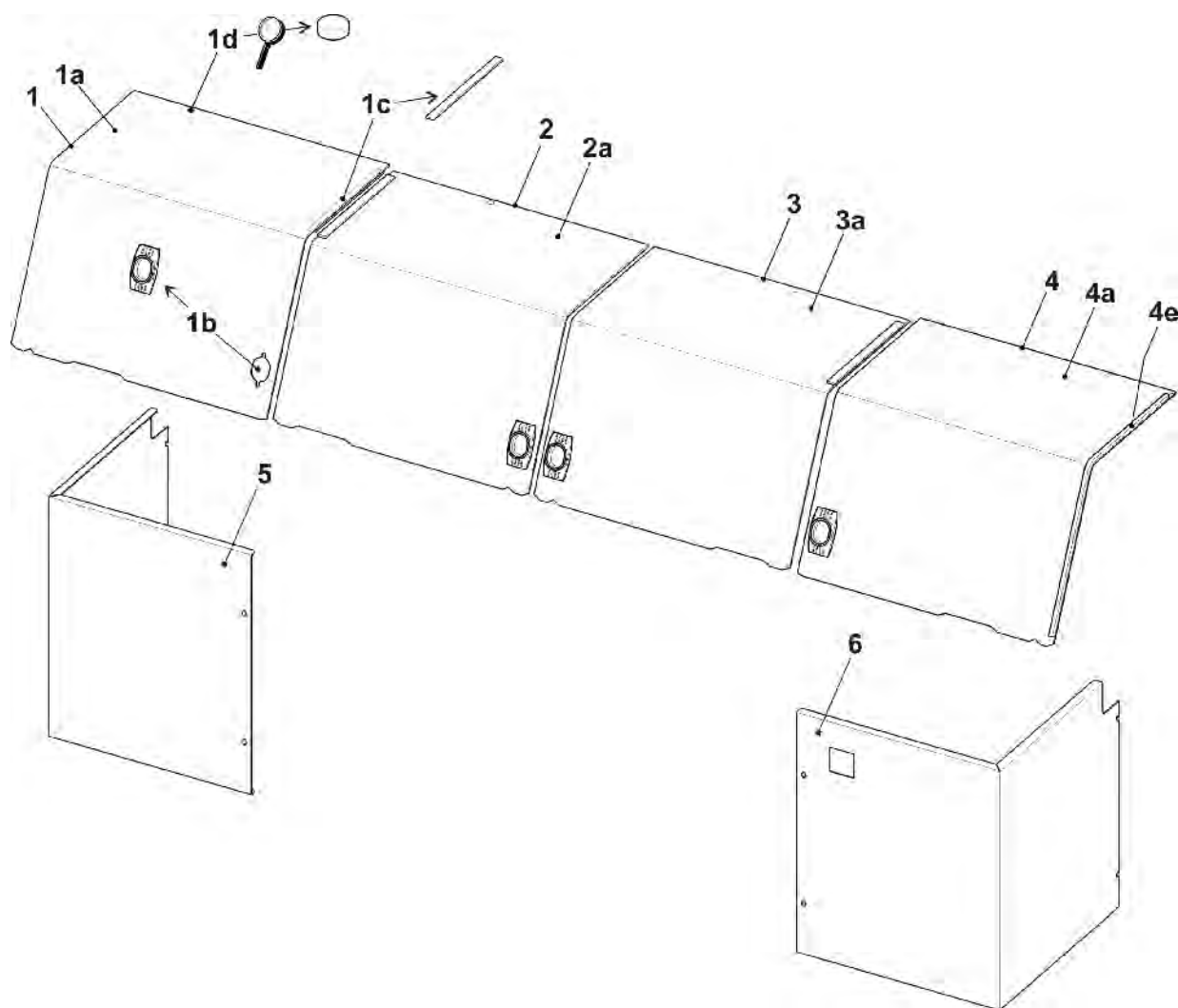
11.1 Lateral safety doors

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



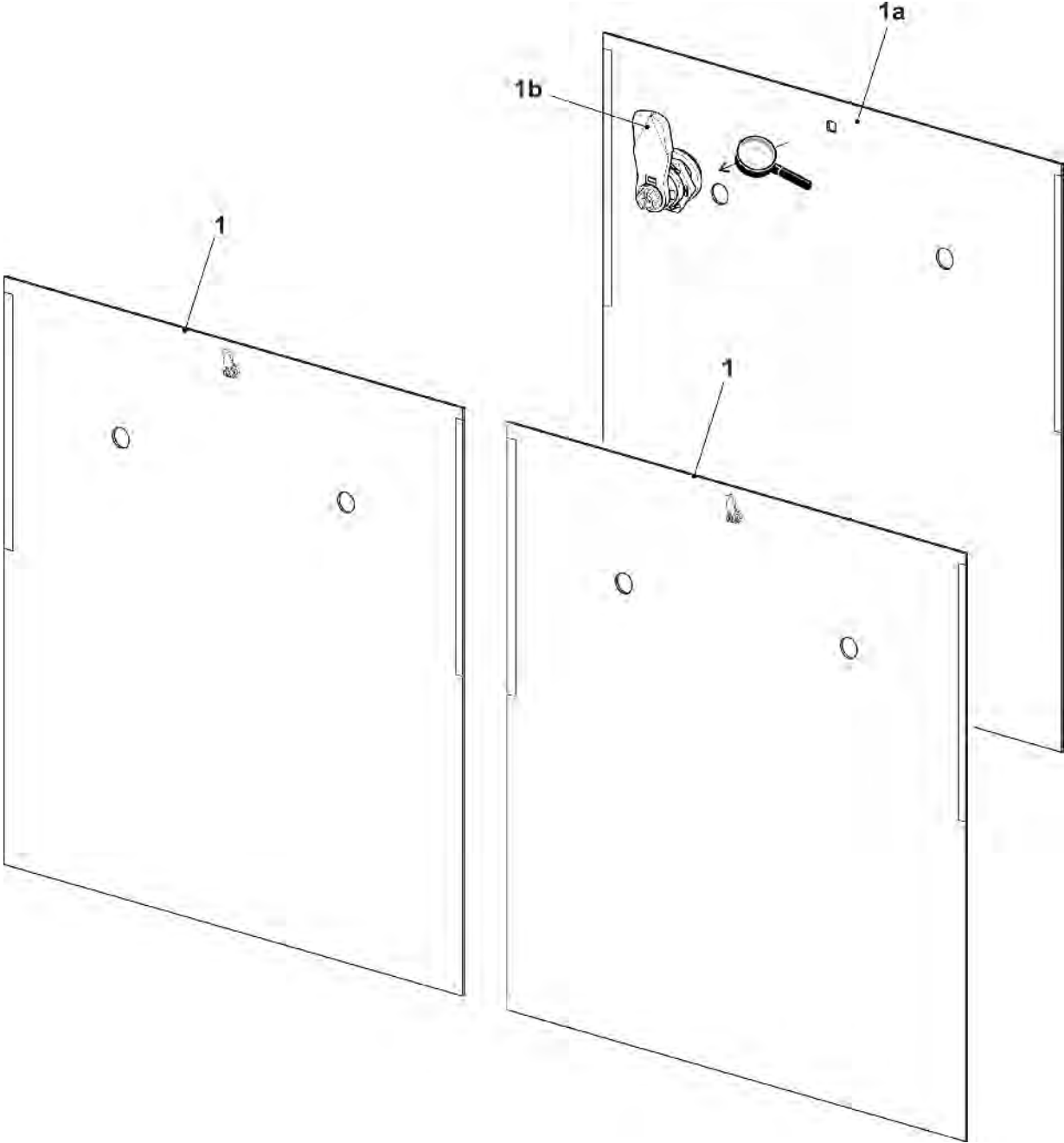
11.2 Panelling

Pos	Designation	Id	Pos	Designation	Id
1	Cover 1 complete	264 006	3	Cover 3 complete	264 008
	1a Cover 1	264 010		3a Cover 3	264 012
	1b Inlet type handle	251 376		3b Inlet type handle	251 376
	1c Stripper	219 393		3c Stripper	219 393
	1d Magnet	264 015		3d Magnet	264 015
2	Cover 2 complete	264 007	4	Cover 4 complete	264 009
	2a Cover 2	264 011		4a Cover 4	264 013
	2b Inlet type handle	251 376		4b Inlet type handle	251 376
	2c Stripper	219 393		4c Stripper	219 393
	2d Magnet	264 015		4d Magnet	264 015
5	Control unit panelling on the left	252 595		4e Stripper	259 609
6	Control unit panelling on the right	252 585			

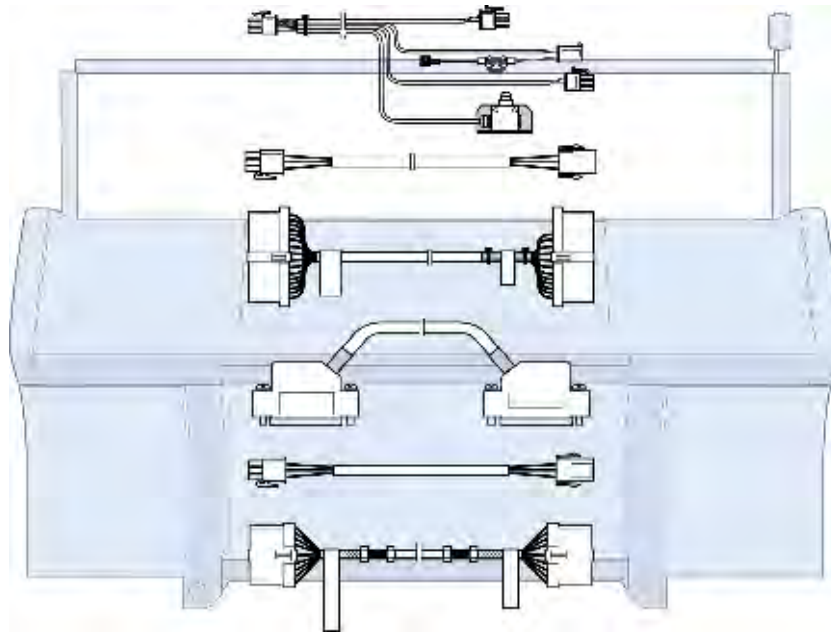


11.3 Rear panel

Pos	Designation	Id. no.	Pos	Designation	Id. no.
1	Panelling at the rear complete	264 017	1a	Rear panel	264 011
			1b	Safety sash fastener complete	243 052



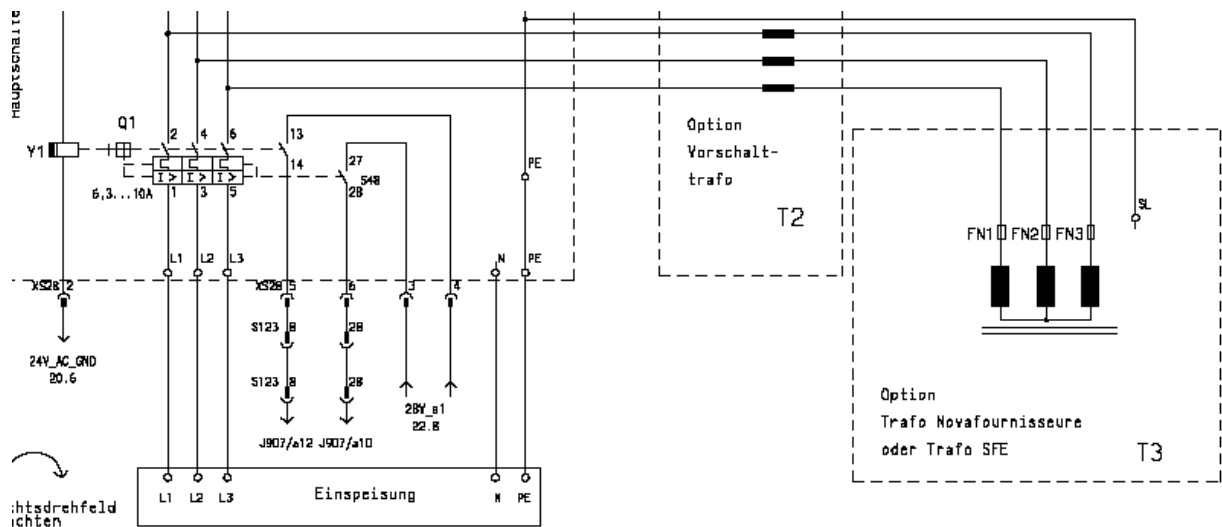
12 Electrical equipment



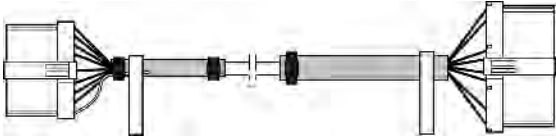
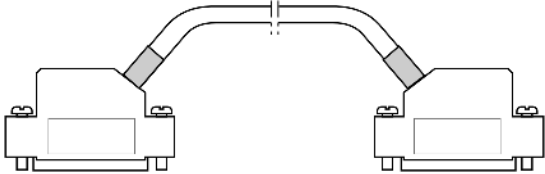
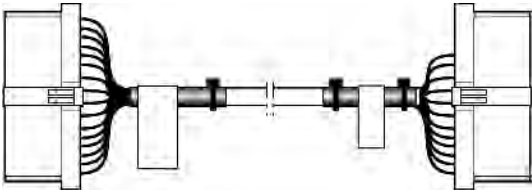
12.1 Circuit diagram (222) as PDF

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

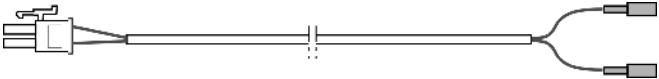
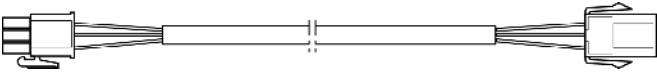
You will find the circuit diagram 222 on the CMS documentation DVD with the ID no. 257 157



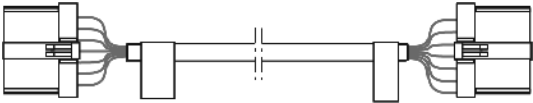
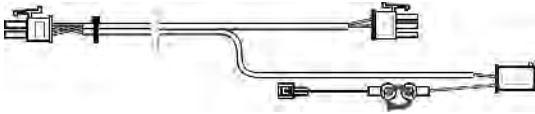
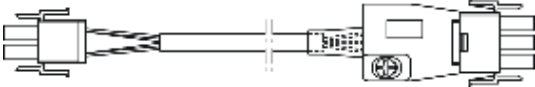
12.2 Trailing cable

Designation	Id	Designation	Id
Trailing cable set 502HP 1IMP	264 936		
Cable carriage at the rear XR332 420 ECO2	252 007	Cable impulse sensor OH at the rear XR136 502 BM2	264 587
Cable carriage at the rear XR333 420 ECO2	252 008		
			
Cable yarn carrier 420 XR161 ECO2	252 059		
			

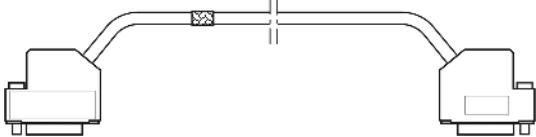
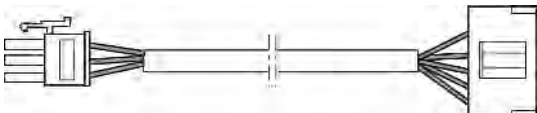
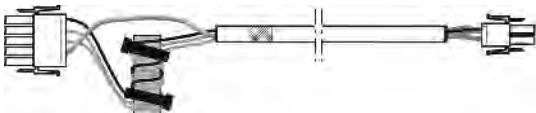
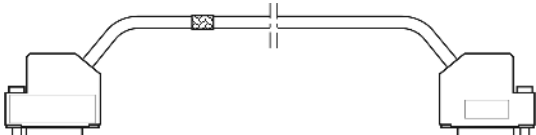
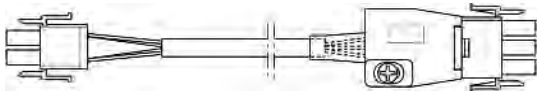
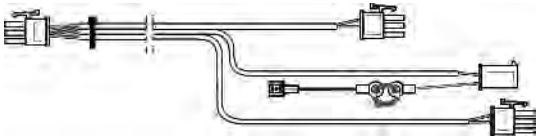
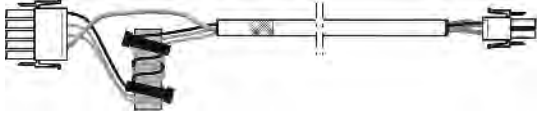
12.3 Cable set installation

Designation		ID	Designation		ID
Σ	Cable set installation 5XX okc	253 618			
1	Loom of cables base 1 5XX	253 619	3	Loom of cables 5XX okc	253 621
2	Loom of cables base 25XX	264 749	4	Loom of cables comb okc	240 259
6	Cable switch main take-down 50" ECO2	252 541	7	Cable supply FKE lamp ECO2	252 587
					

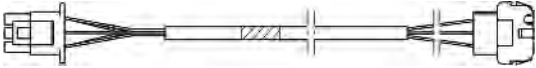
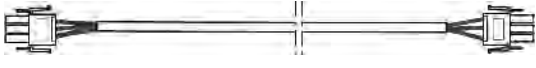
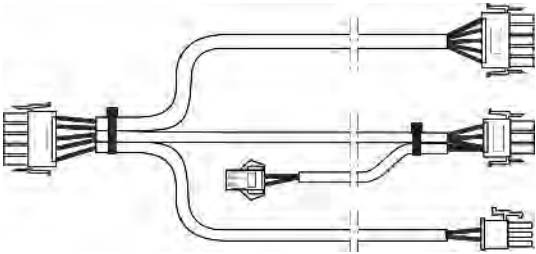
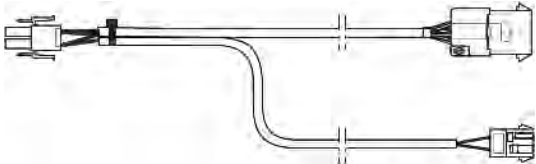
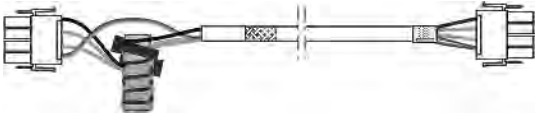
12.3.1 Cable set base 1

Designation		Id	Designation		Id
Σ	Loom of cables base 1 5XX	253 619			
	Cable Engaging rod ECO2	252 538		Cable protective device on the left 5XX	264 750
					
	Cable feed wheel on the left 50" OKC	240 464			
					

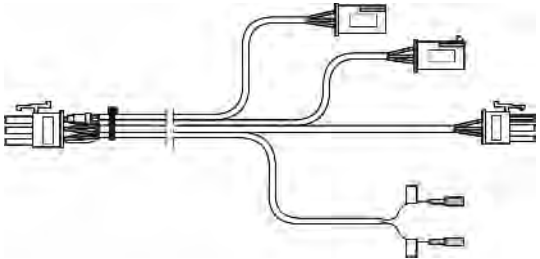
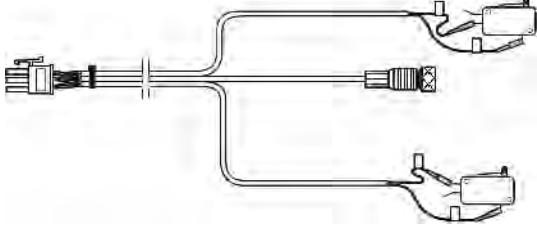
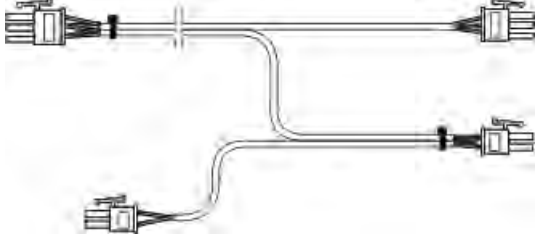
12.3.2 Loom of cables base 2

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		
			

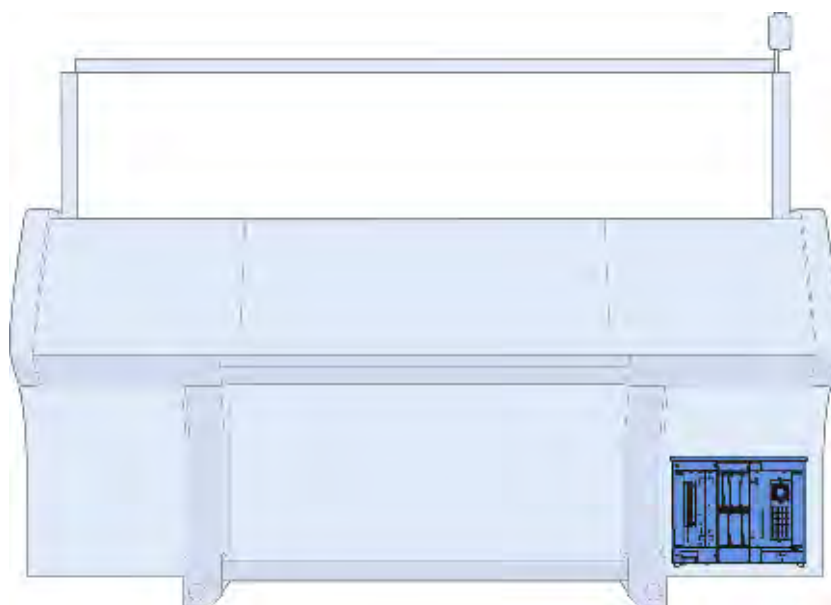
12.3.3 Loom of cables 5XX

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		
			

12.3.4 Loom of cables comb

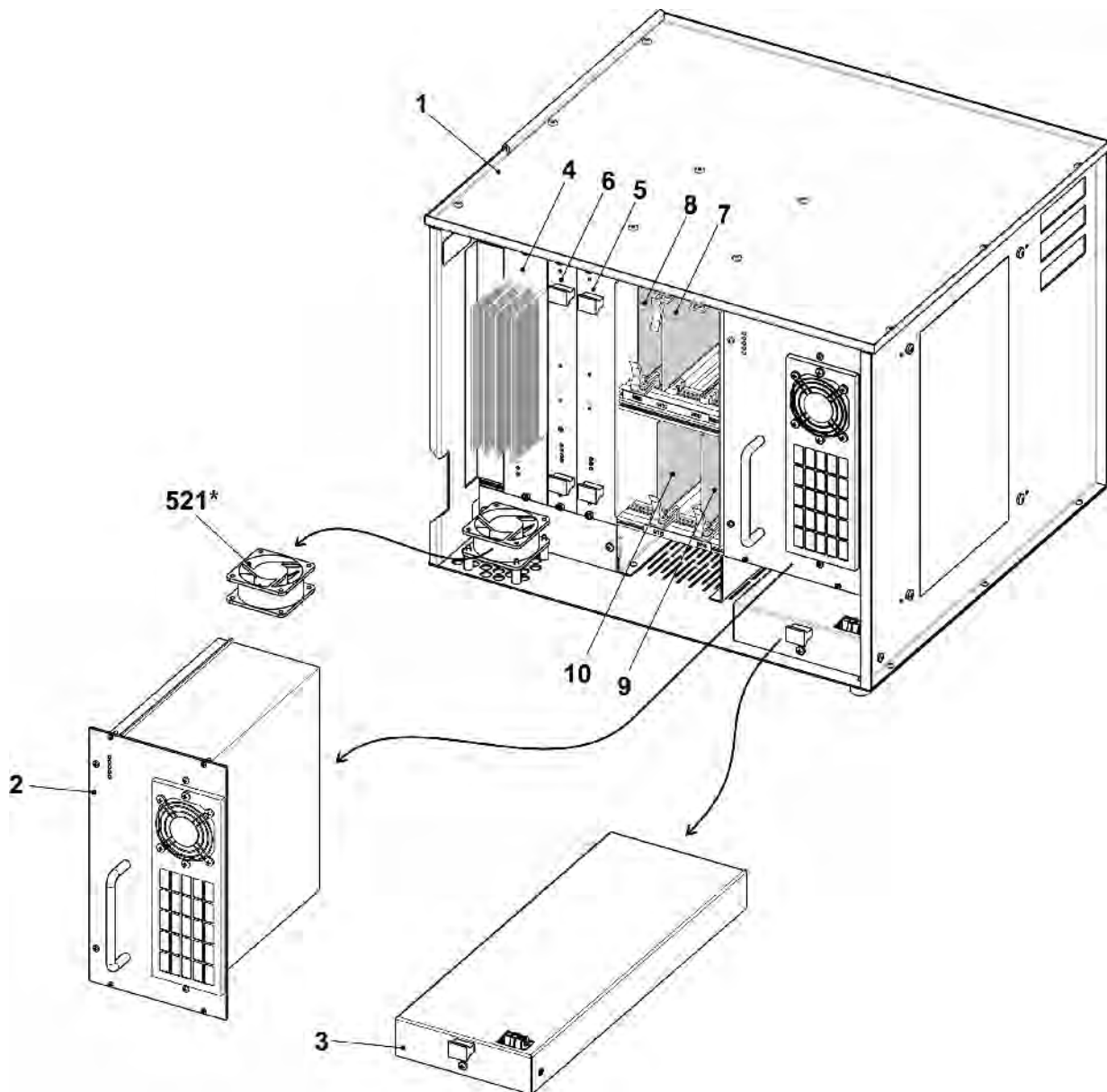
Designation	Id	Designation	Id
Σ Loom of cables comb OKC	240 259		
Cable motor comb hookOKC	240 308	Cable switch combOKC	240 311
			
Cable switch KAHA OKC	240 309	Cable switch HAAB OKC	240 312
			
Cable motor combOKC	240 310		
			

13 Control electronics



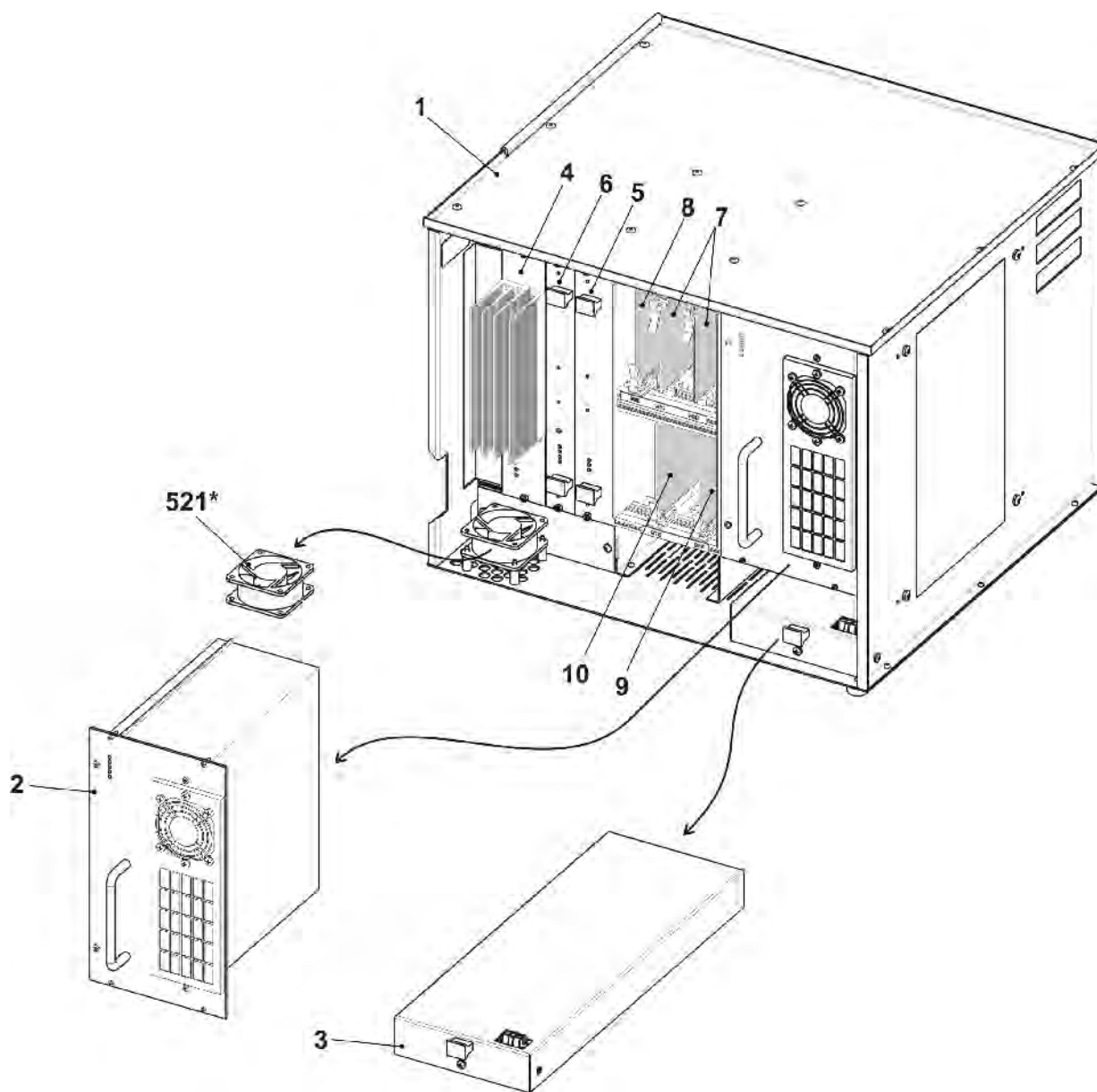
13.1 Control cabinet (Knitting machine without belt take-down)

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 P10X S	301 045
5	Card C-WAZ ECO2	301 006	521*	Axial flow fan Servo 5	229 059

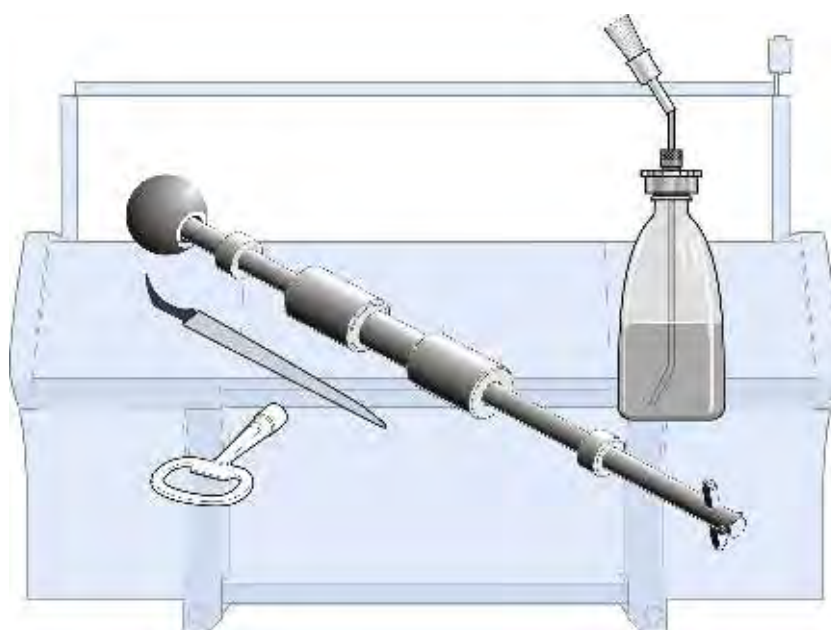


13.2 Control cabinet (Knitting machine with belt take-down)

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit on the right complete 530	263 962	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 P10X S	301 045
5	Card C-WAZ ECO2	301 006	521*	Axial flow fan Servo 5	229 059



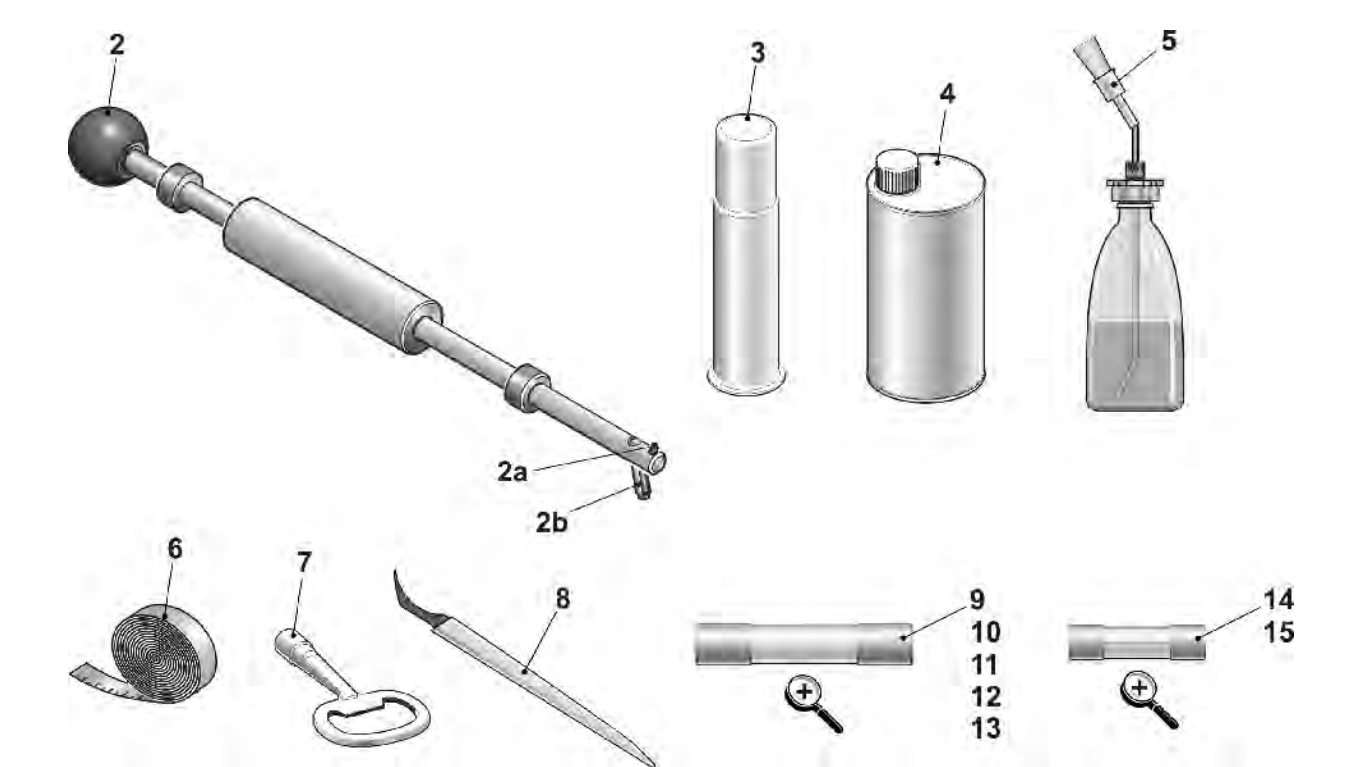
14 Accessories



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

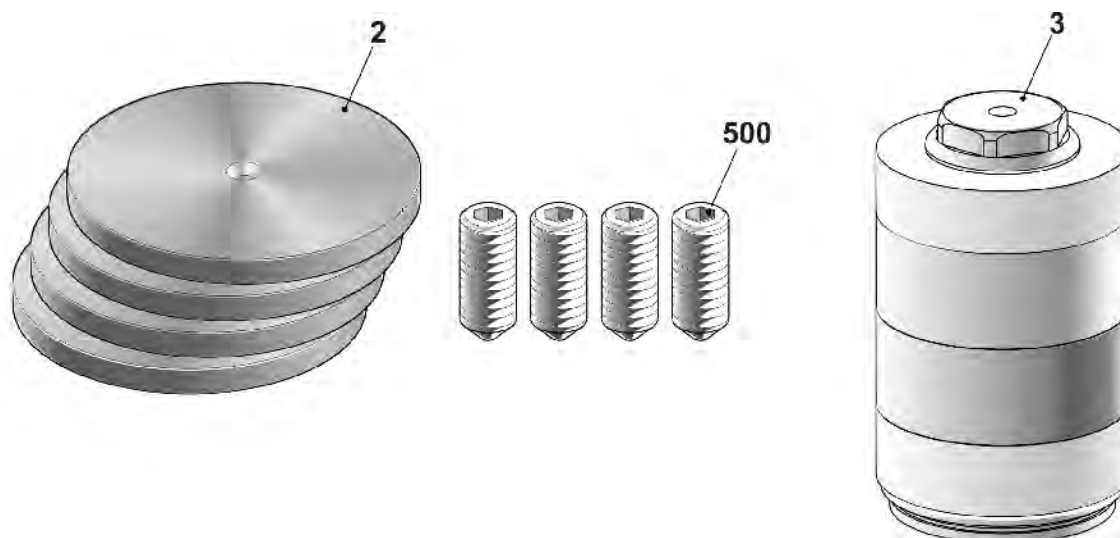
14.1 Accessories part 1

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

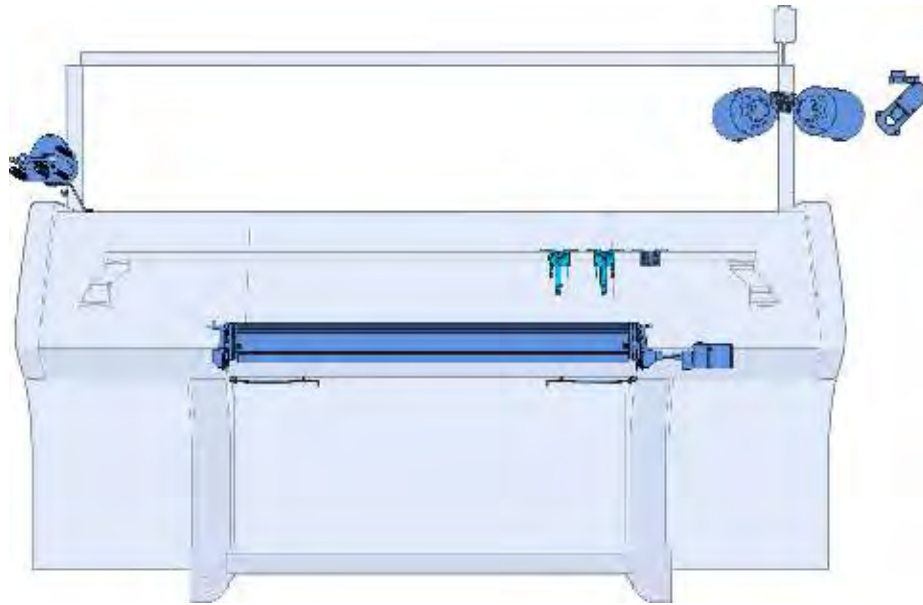


14.2 Accessories part 2

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories standard part 2	265 183	3	Signal lightLED	240 395
2	Shim	056 569	500	Setscrew M16x40	244 061

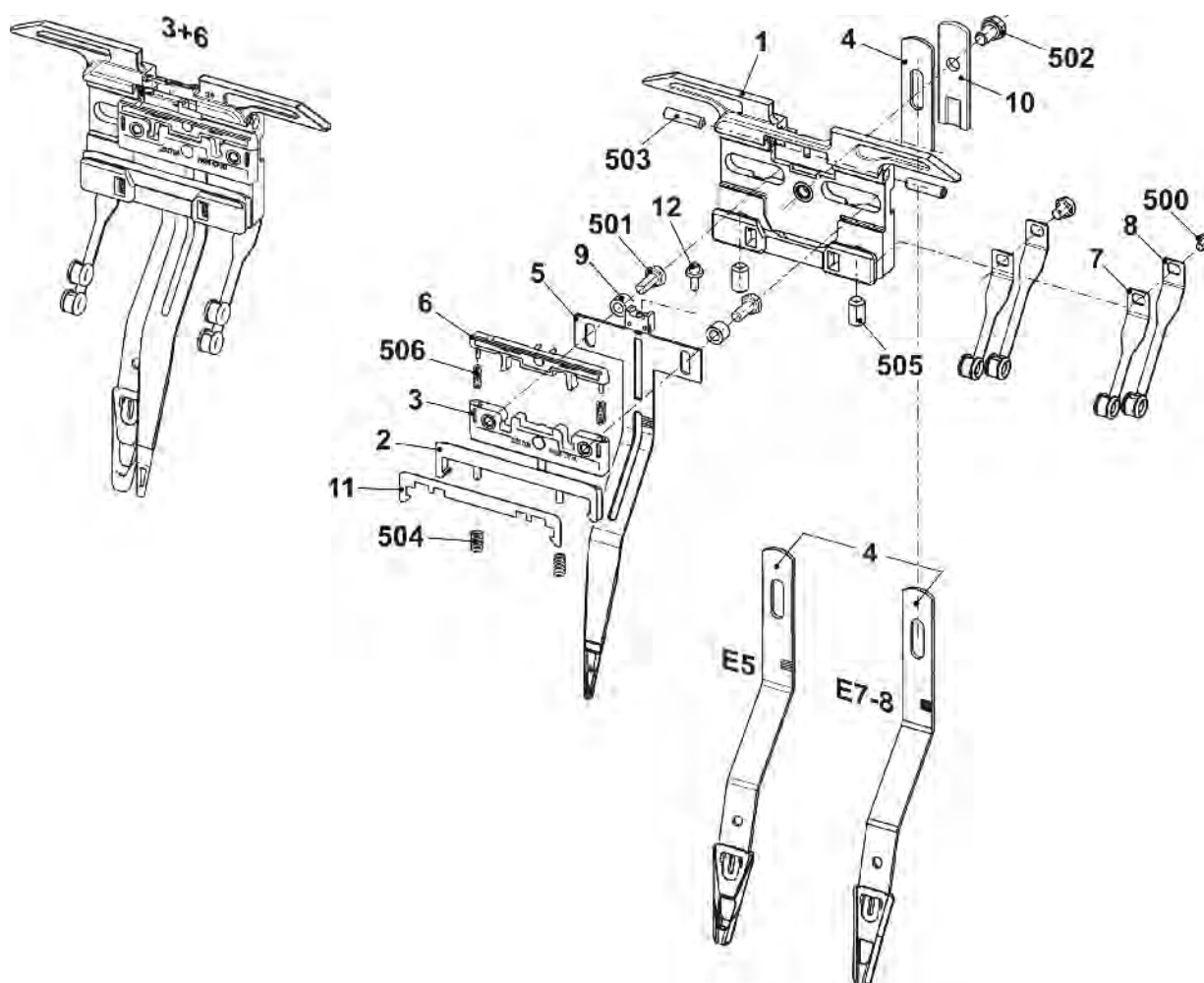


15 Special attachment



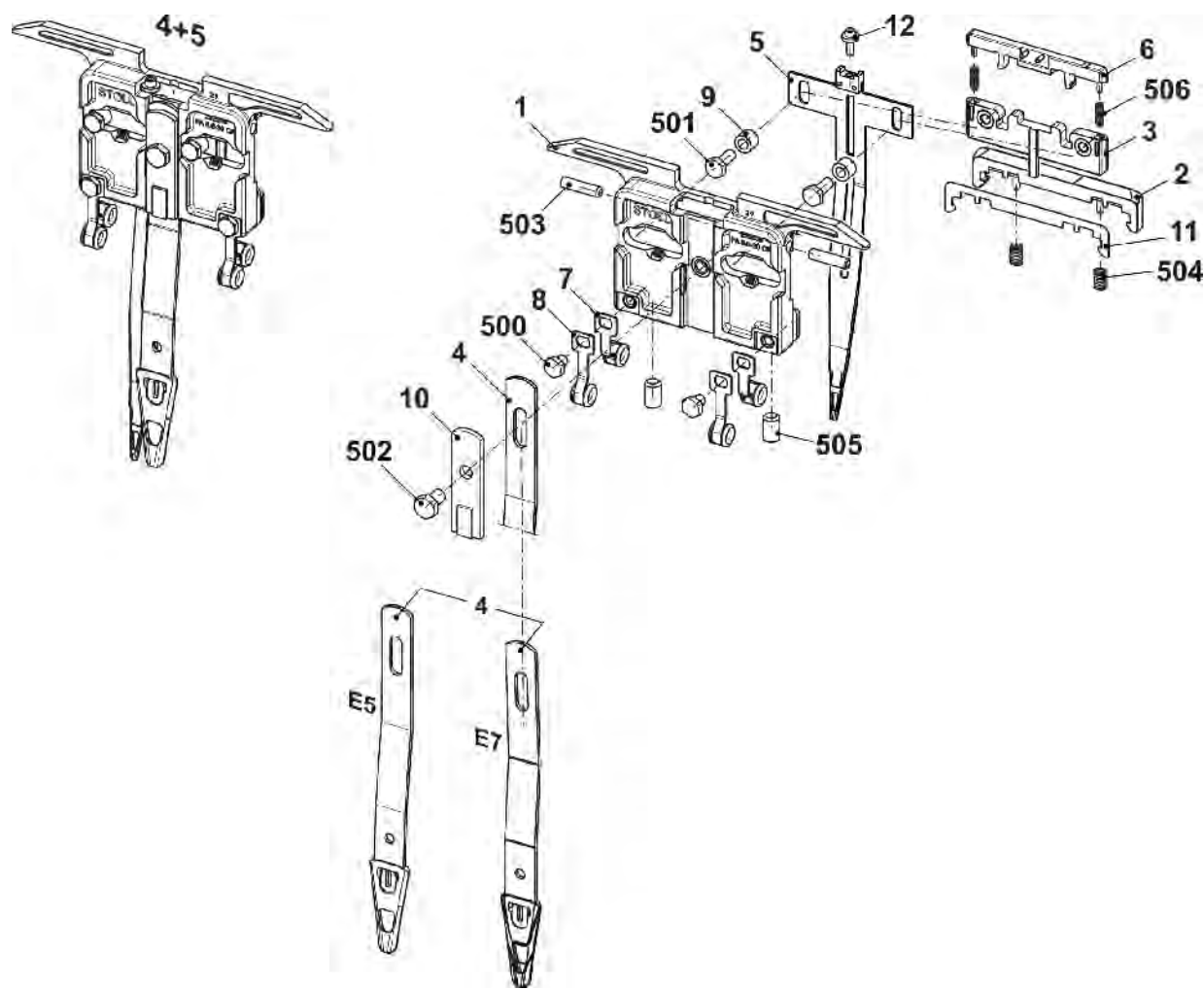
15.1 Plating yarn carrier 3+6

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 3+6 complete		8	Eyelet holder complete	252 824
	E5 E7m.5 E3,5.2 E3,5.2m. 4L E2,5.2 E2,5.2m.4L	252 782	9	Distance bushing	252 796
	E7	252 784	10	Shim	213 035
1	Plating yarn carrier carriage	252 806	11	Shim	216 143
2	Sliding piece	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 3+6		501	Hexagon screwM4x10	020 346
	E5 E7m.5 E3,5.2 E3,5.2m. 4L E2,5.2 E2,5.2m.4L	252 820	502	Hexagon screw	252 832
	E7	252 821	503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 3+6 E5-8	252 800	504	Compression spring	021 399
6	Sliding piece	252 797	505	Threaded bolt	213 399
7	Eyelet holder complete	252 825	506	Compression spring	253 058



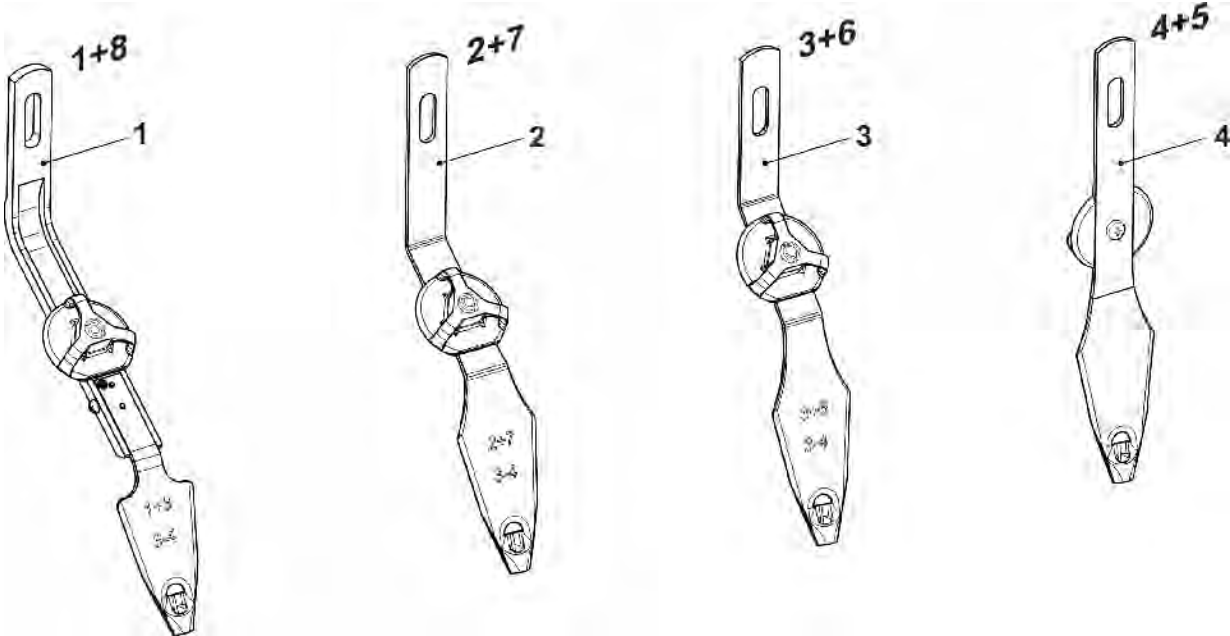
15.2 Plating yarn carrier 4+5

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 4+5 complete		8	Eyelet holder complete	252 816
	E5 E7m.5 E3,5.2 E3,5.2m.	252 781	9	Distance bushing	252 796
	4L E2,5.2 E2,5.2m.4L		10	Shim	213 035
	E7	252 783	11	Shim	216 143
1	Plating yarn carrier carriage	252 806	12	Adjusting screw	253 436
2	Sliding piece	212 583	500	Hexagon screwM4x5	243 779
3	Slider	252 798	501	Hexagon screwM4x10	020 346
4	Plating yarn carrier bow 4+5		502	Hexagon screw	252 832
	E5 E7m.5 E3,5.2 E3,5.2m.	252 790	503	Setscrew M4x16	254 196
	4L E2,5.2 E2,5.2m.4L		504	Compression spring	021 399
	E7	252 791	505	Threaded bolt	213 399
5	Plating yarn carrier bow 4+5 E5-8	252 799	506	Compression spring	253 058
6	Sliding piece	252 797			
7	Eyelet holder complete	252 815			



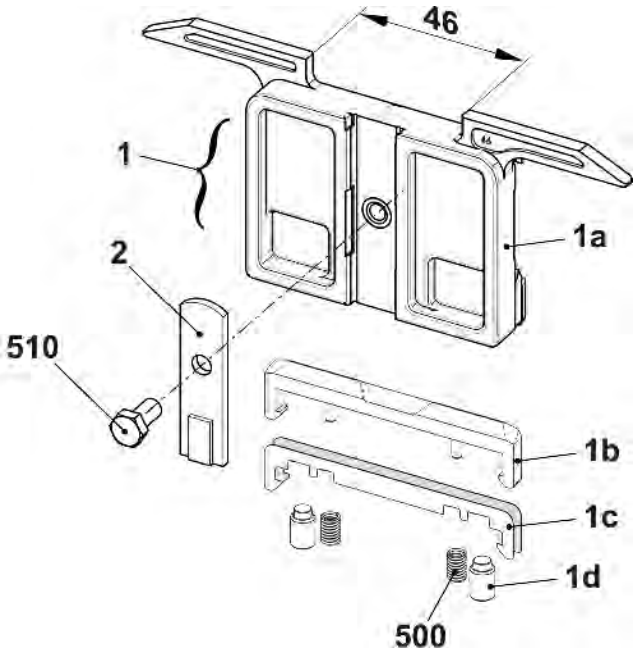
15.3 FF bow E2,5m.4L

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



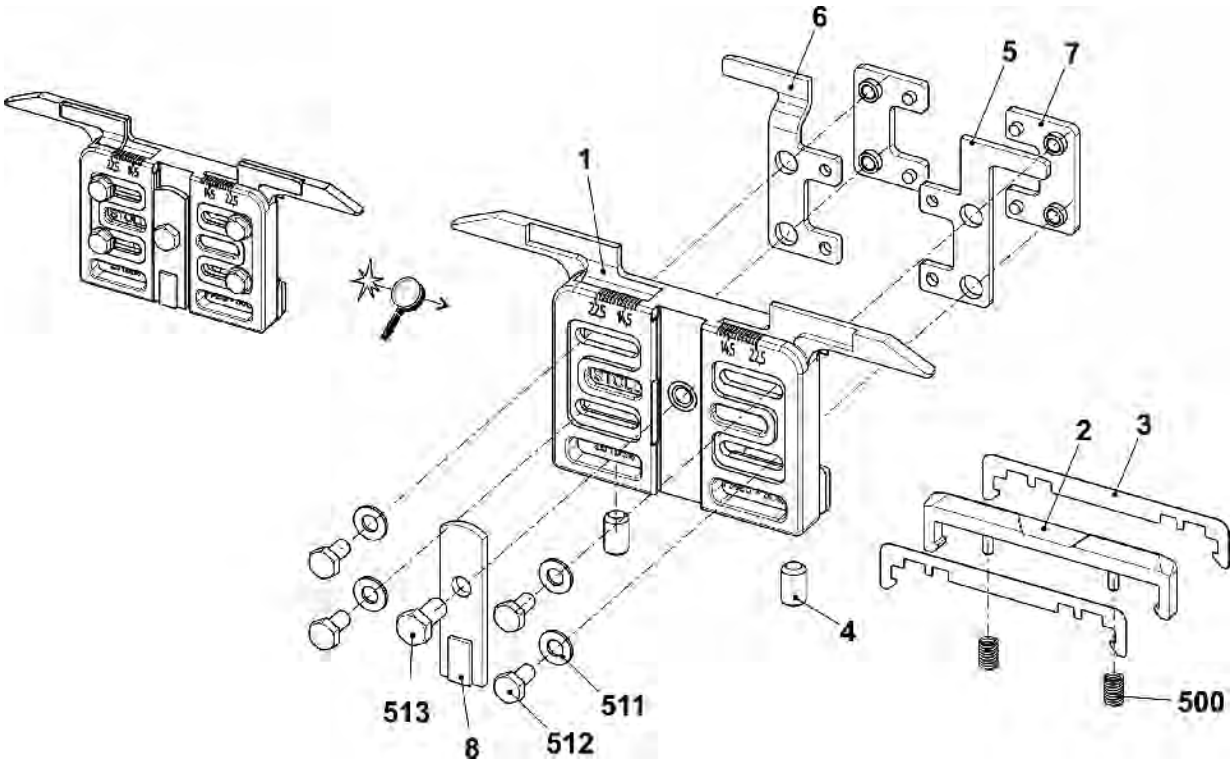
15.4 Carriage of plating yarn carrier EW 46

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



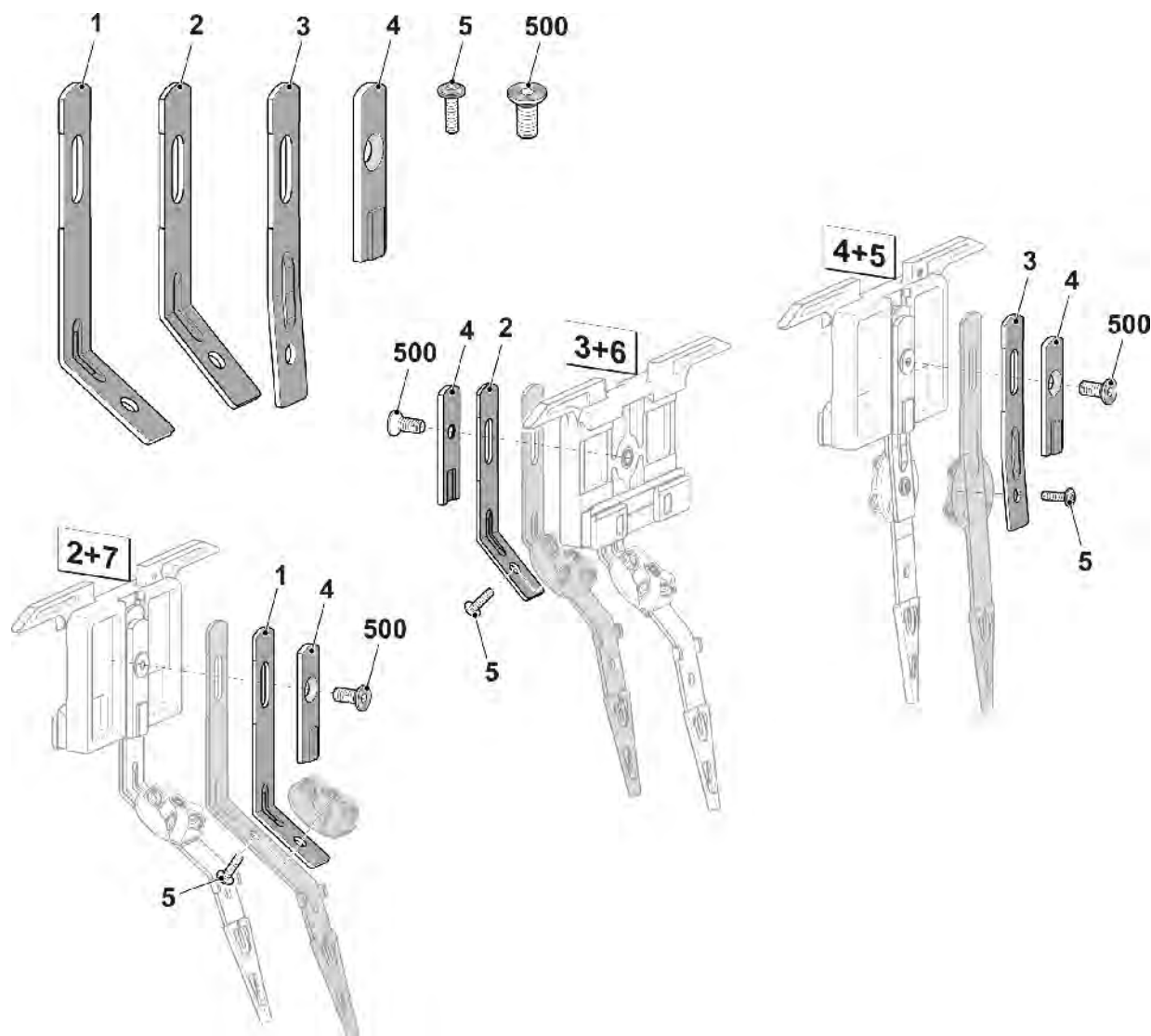
15.5 Carriage of plating yarn carrier (adjustable)

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



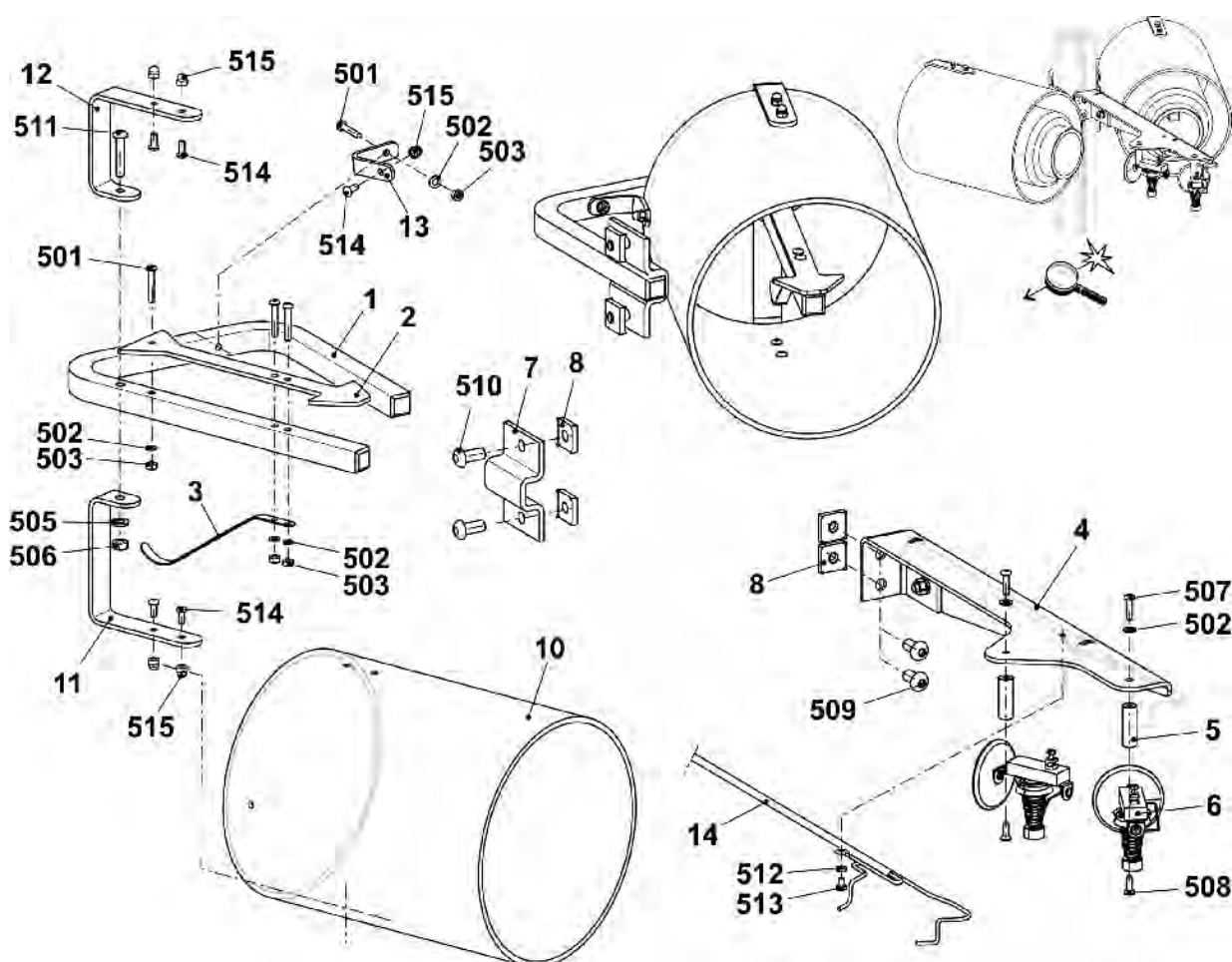
15.6 FF bow stabilization complete

Pos	Designation	Id	Pos	Designation	Id
Σ	FF bow stabilization complete	267 430			
1	FF bow stabilization 4+5	267 414	4	Shim	267 417
2	FF bow stabilization 3+6	267 415	5	Oval head flange screw	267 413
3	FF bow stabilization 2+7	267 416	500	Countersunk screw M5x12	023 340



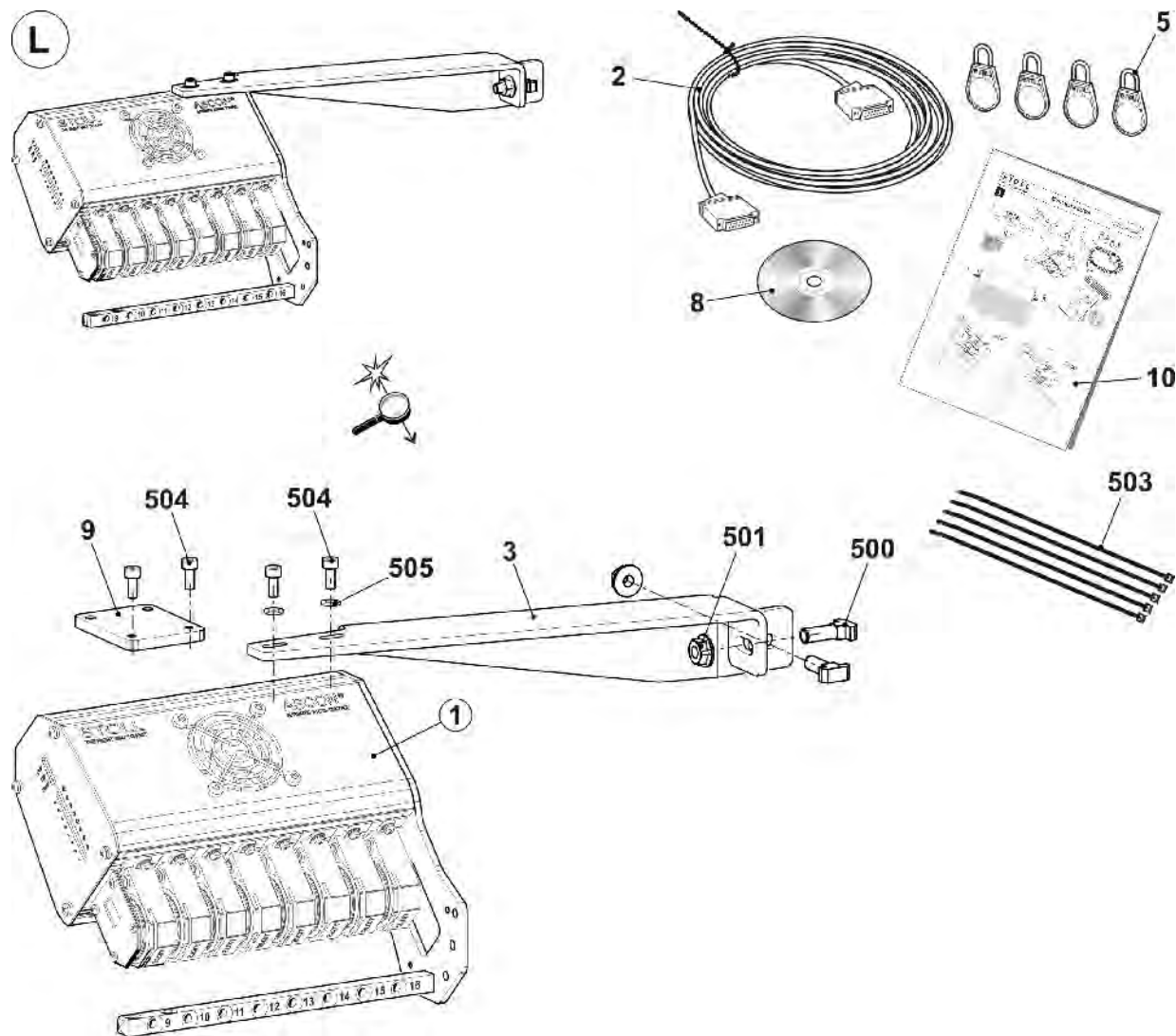
15.7 Bobbin holder on the right

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



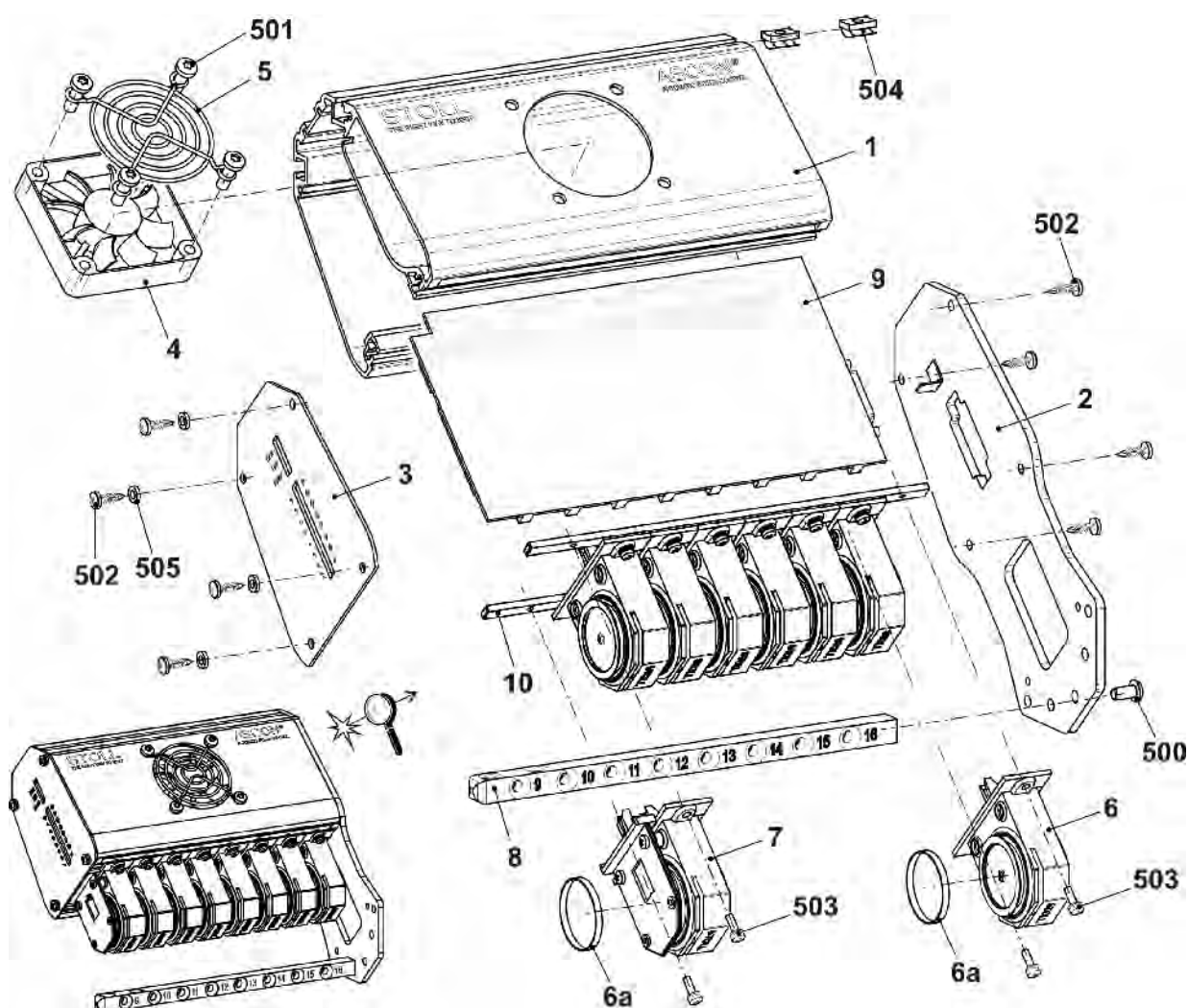
15.8 Yarn length measuring device on the left complete

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



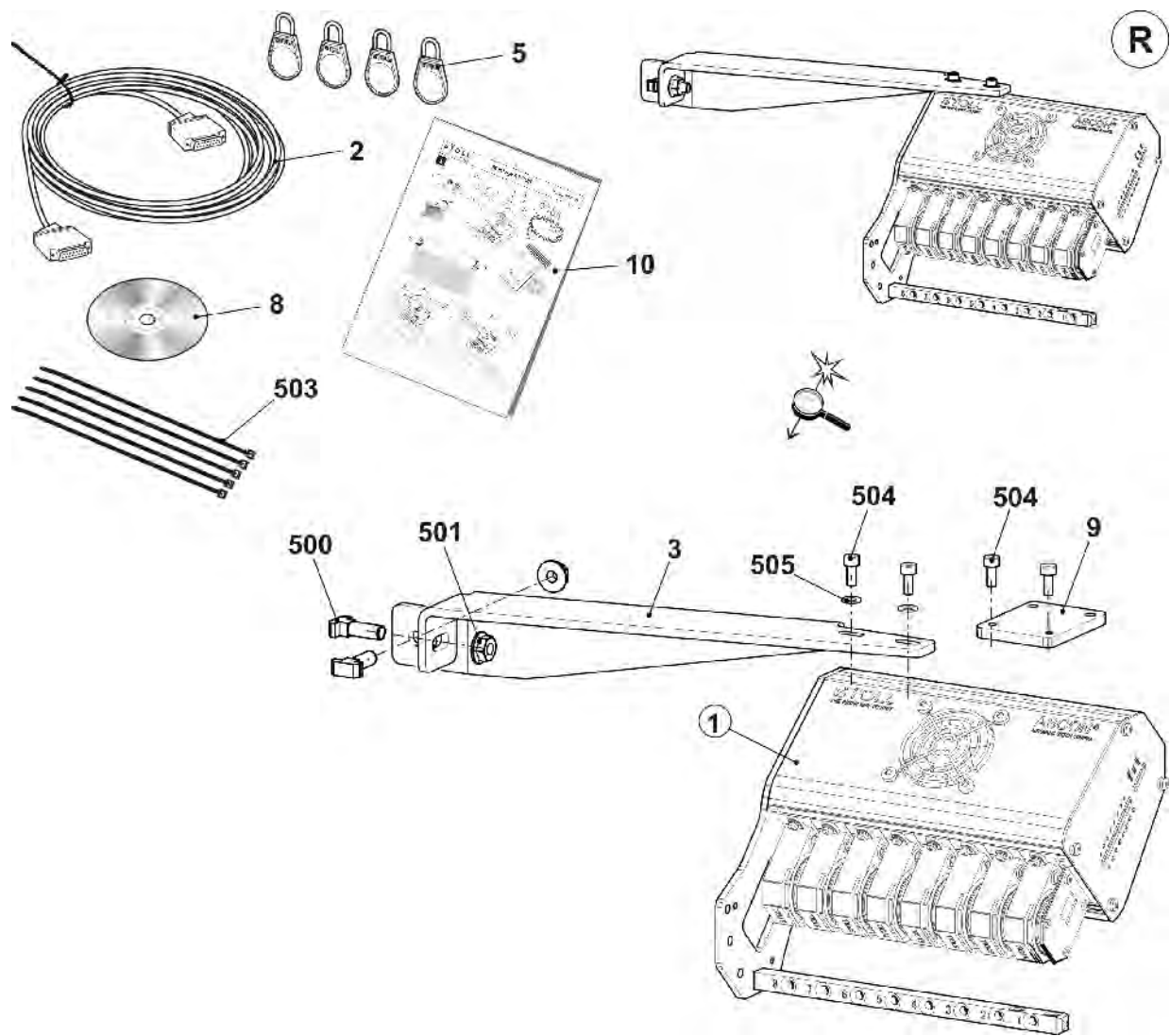
15.8.1 Yarn length measuring device

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



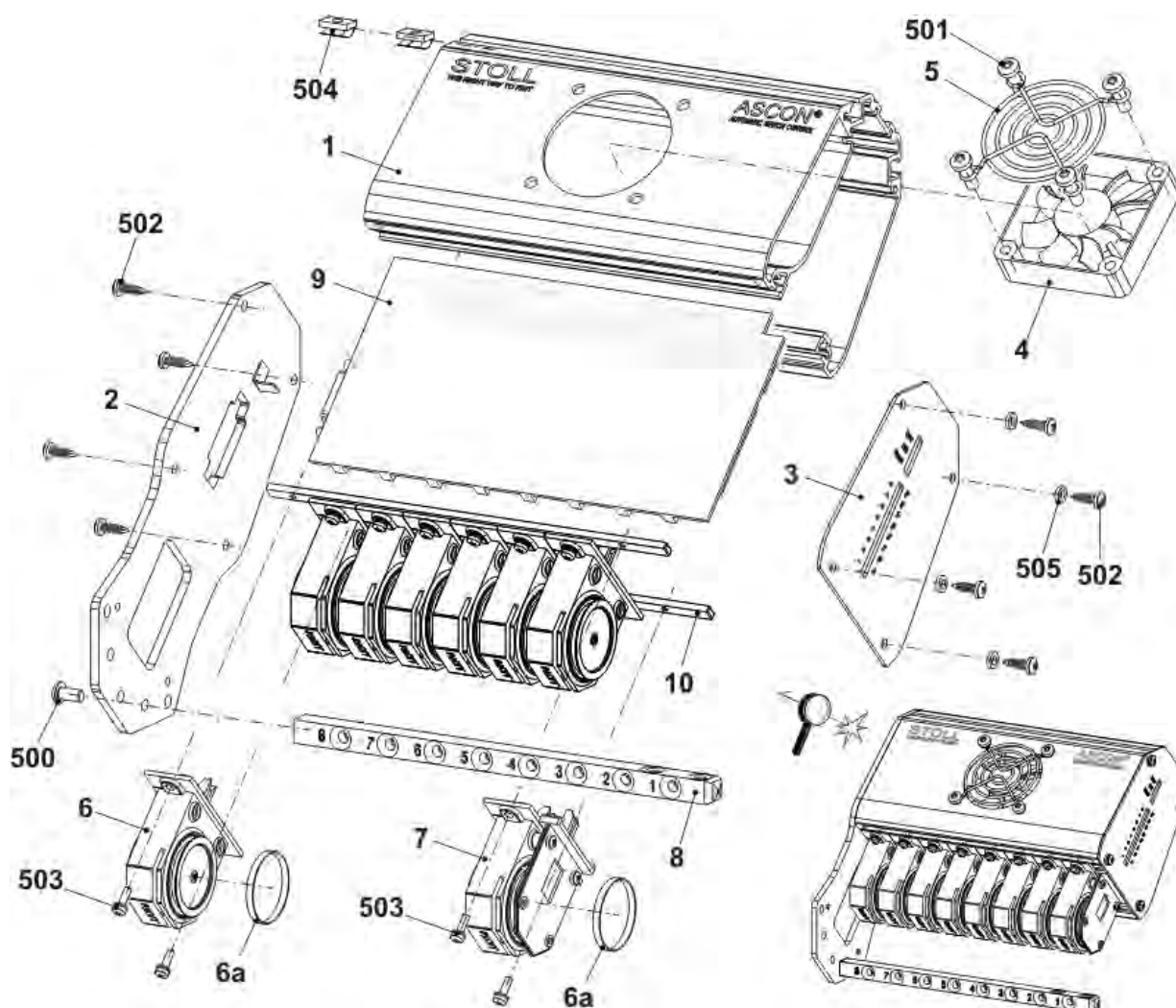
15.9 Yarn length measuring device on the right complete

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



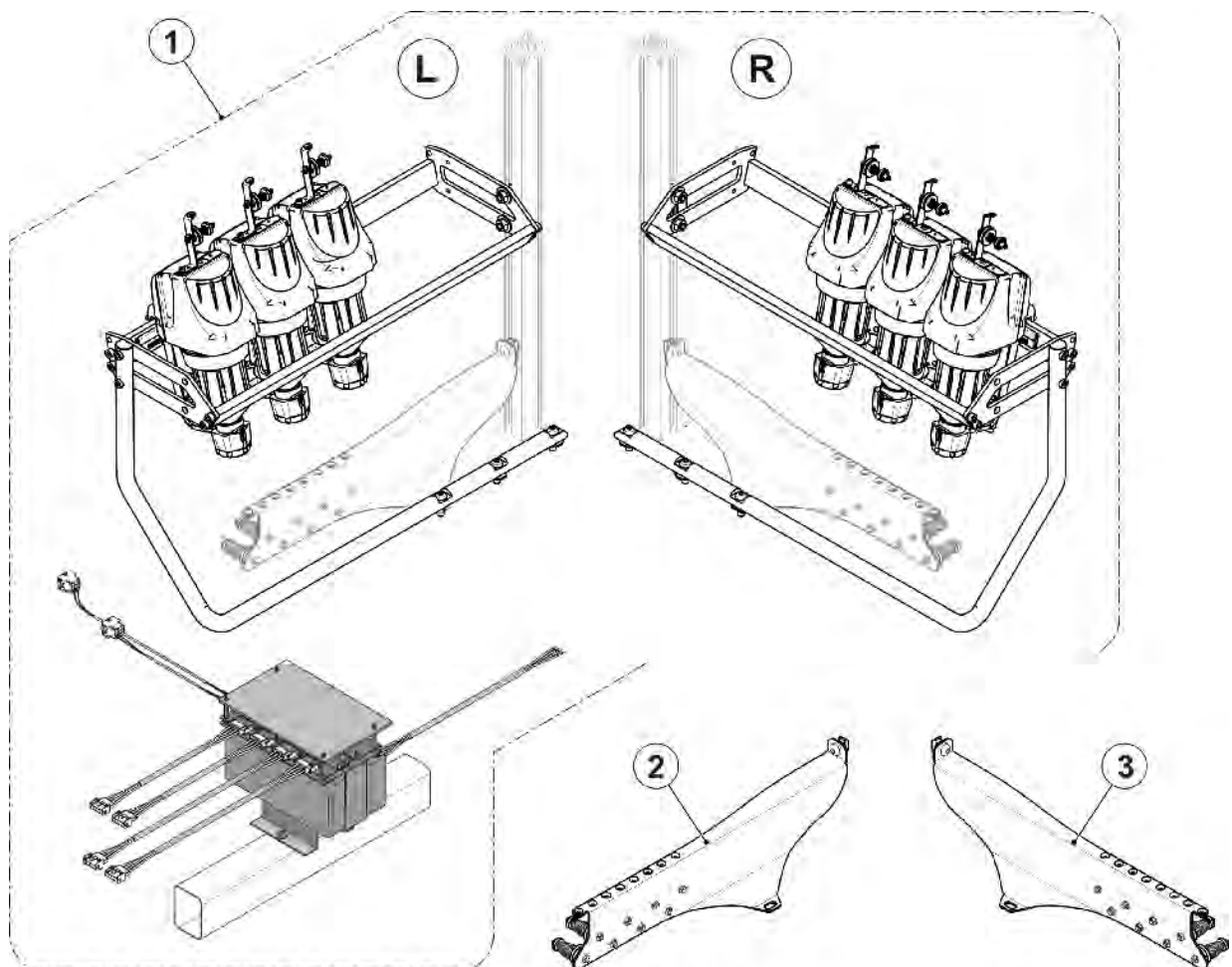
15.9.1 Yarn length measuring device on the right

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



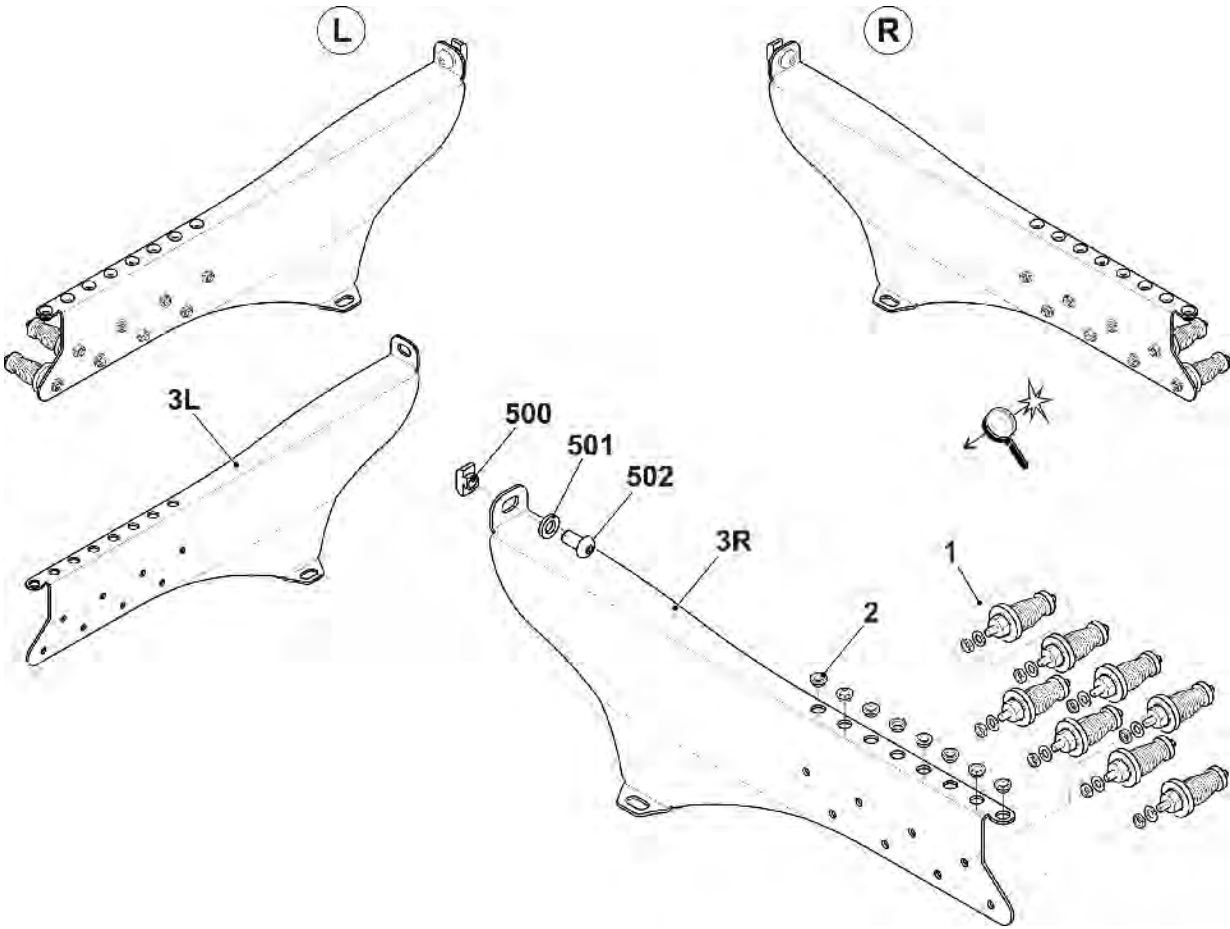
15.10 Storage feed wheel MSF-3

Pos	Designation	ID	Note
Σ	Storage feed wheel MSF-3 complete E3-8		Please order the MSF-3 spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Phone: +49 (0)7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the MSF-3 spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.
1	Assembly kit MSF-3 complete	259 575	
2	Stopping device on the left complete E3-8	265 601	
3	Stopping device on the right complete E3-8	265 602	



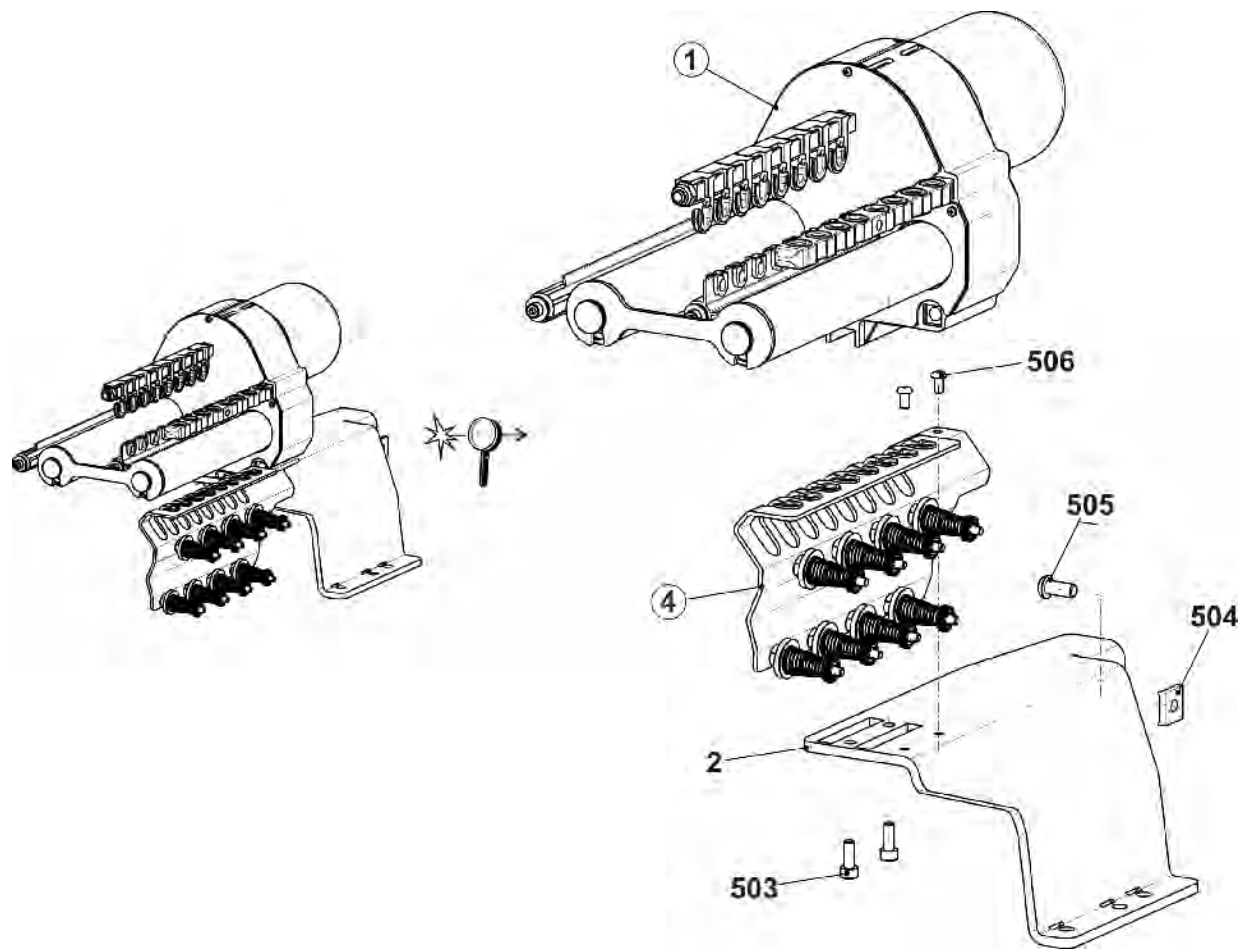
15.11 Stopping device E3-8

Pos	Designation	Id	Pos	Designation	Id
ΣL	Stopping device on the left complete E3-8	265 601	ΣL	Stopping device on the right complete E3-8	265 602
1	Yarn brake E5-8	264 353	1	Yarn brake E5-8	264 353
2	Eyelet	265 611	2	Eyelet	265 611
3L	Support yarn brake 502	260 726	3R	Support right	265 598
500	Hammer-head nut M8	261 845	500	Hammer-head nut M8	261 845
501	Serrated lock washer J8,4	023 388	501	Serrated lock washer J8,4	023 388
502	Pan-head screw M8x16	023 113	502	Pan-head screw M8x16	023 113



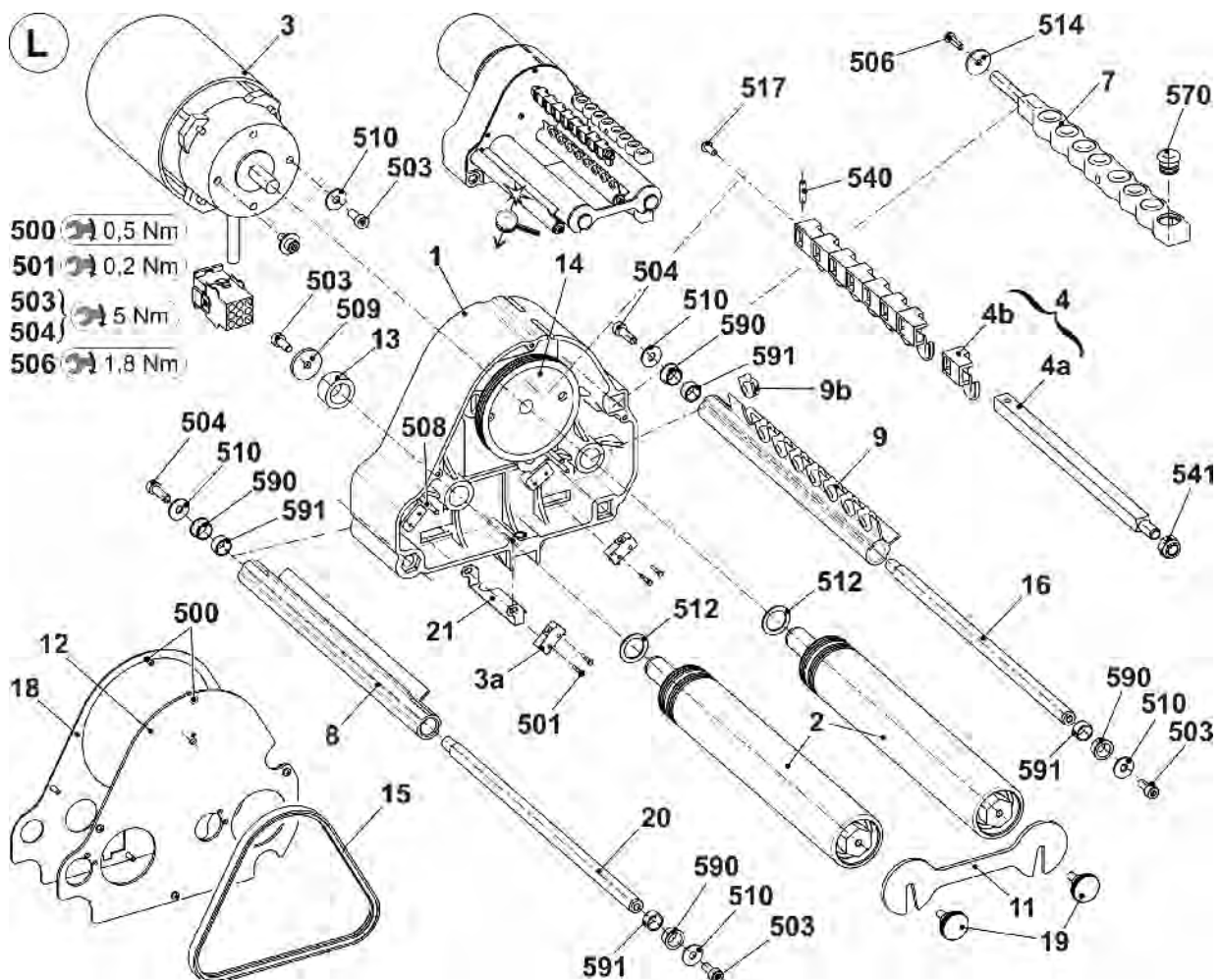
15.12 Friction feed wheel on the left

Pos	Designation	ID	Pos	Designation	ID
ΣL	Friction feed wheel on the left complete	265 437	503	Cap screw M6x16	020 135
1	Friction feed wheel on the left	264 324	504	Slot nut	228 851
2	Support of left feed wheel	264 453	505	Pan-head screw M8x18	251 331
4	Stopping device on the left E10-18	265 055	506	Pan-head screw M5x10	023 247



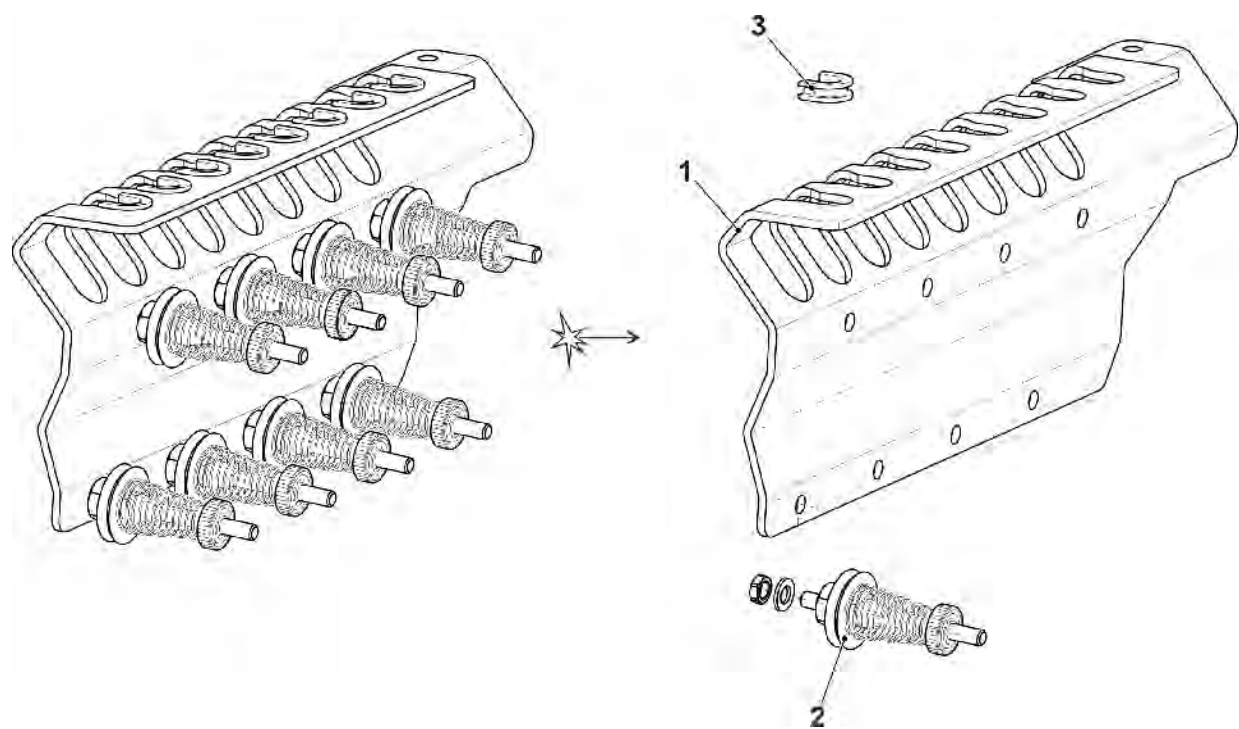
15.12.1 Left friction feed wheel

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 pin 3M6x40	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



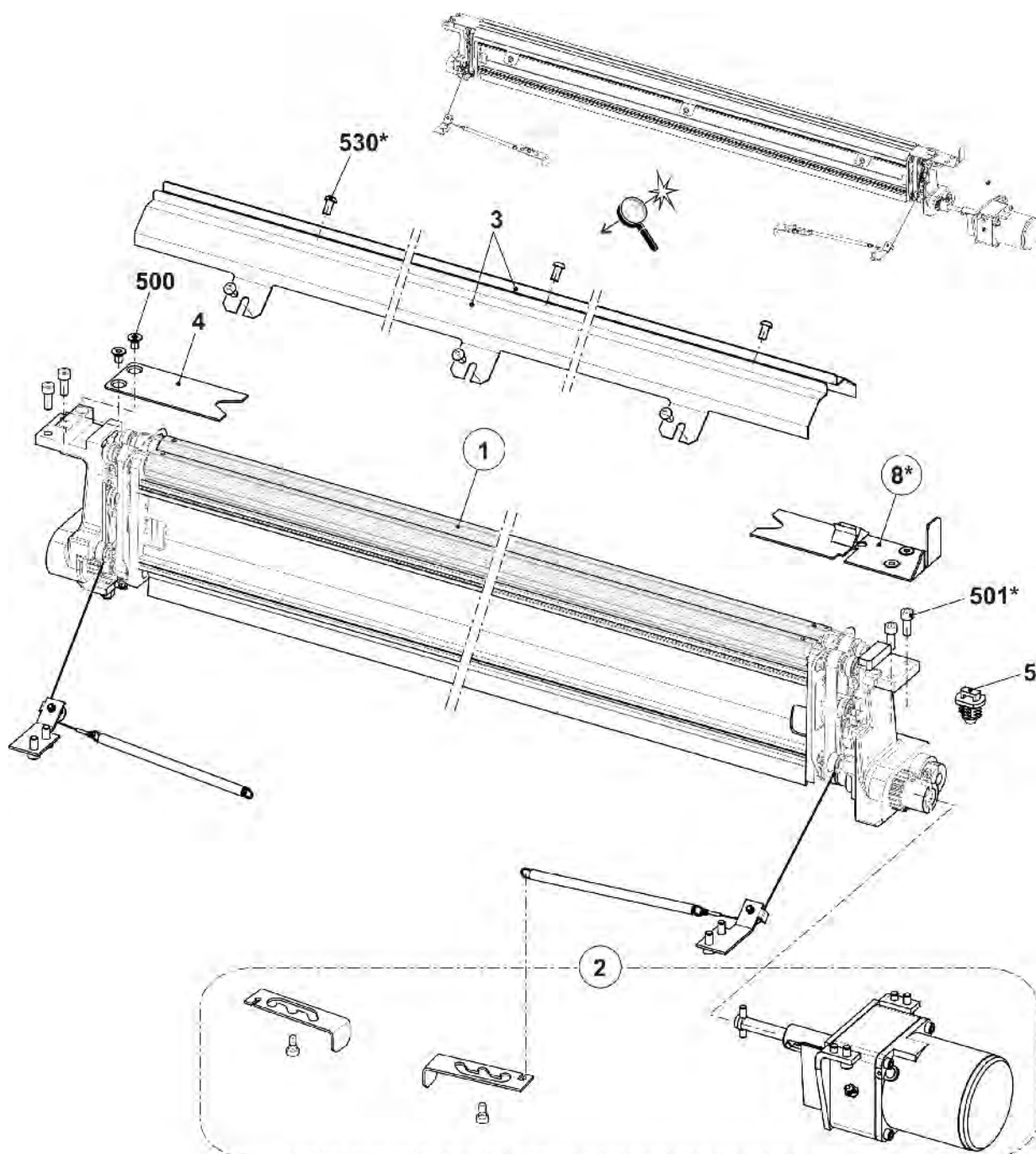
15.12.2 Stopping device on the left

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



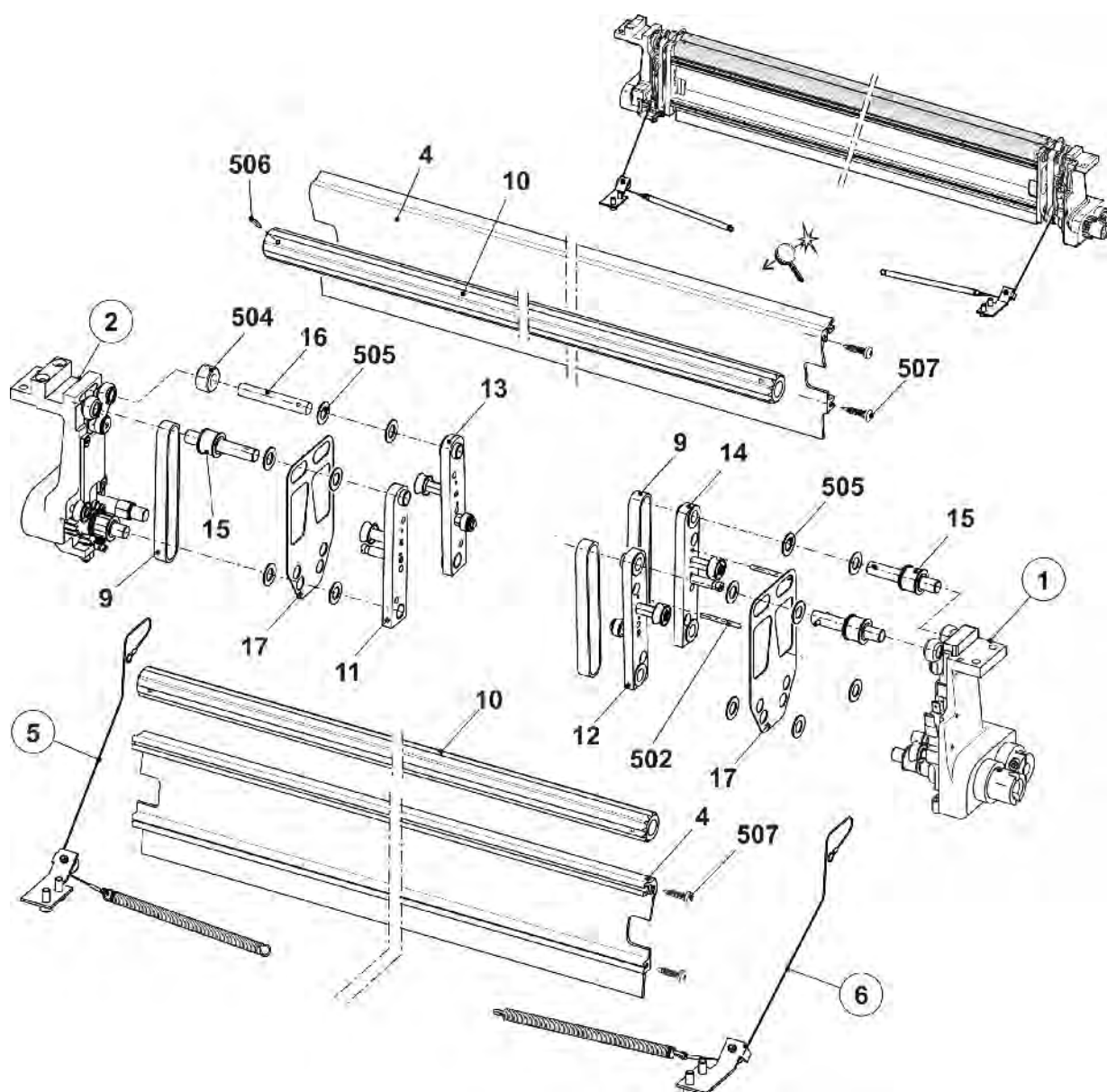
15.13 Additional take-down, Retrofit kit

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Additional take-down complete, Retrofit kit	257 032	5	Assembling element	209 543
1	Auxiliary take-down pre-assembled	257 008	8*	Yarn brake on the right	256 715
2	Auxiliary take-down in the middle	254 062	500	Countersunk screw M6x10	023 016
3	Sheet metal guide	256 880	501*	Cap screw M6x16	020 135
4	Cover on the left	257 470	530*	Pan-head screw M6x12	235 935



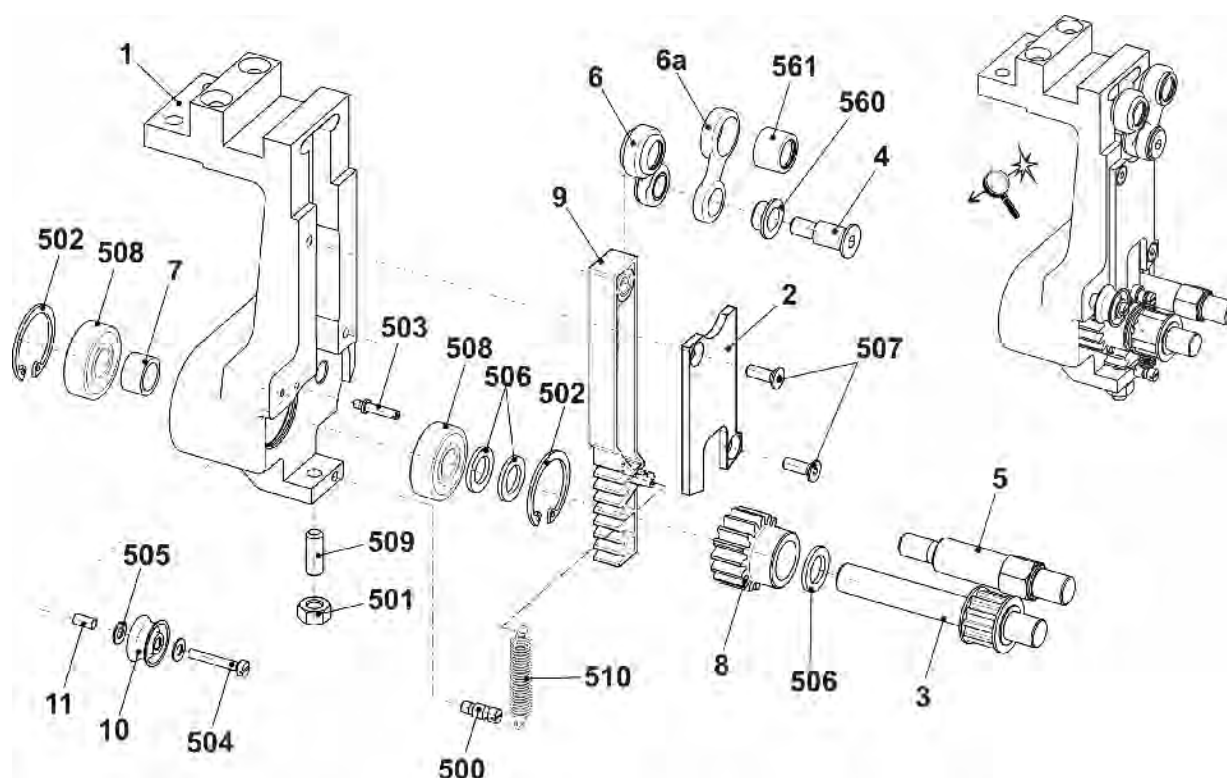
15.13.1 Auxiliary take-down pre-assembled

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Auxiliary take-down pre-assembled	257 008	13	Lever at the rear on the left	227 261
1	Bearing on the right complete	239 996	14	Lever at the rear on the right	227 260
2	Bearing on the left complete	239 999	15	Toothed belt pulley complete	226 708
4	Guide plate	256 878	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	502	Shoulder screw M3x27x32	023 634
9	Toothed belt 10T5/260	208 832	504	Set collar	020 934
10	Take-down roller	256 879	505	Stop disk	023 646
11	Lever at the front on the left	227 263	506	Spring dowel sleeve 3x20	020 776
12	Lever at the front on the right	227 262	507	Sheet metal screw St4,8x22	023 259



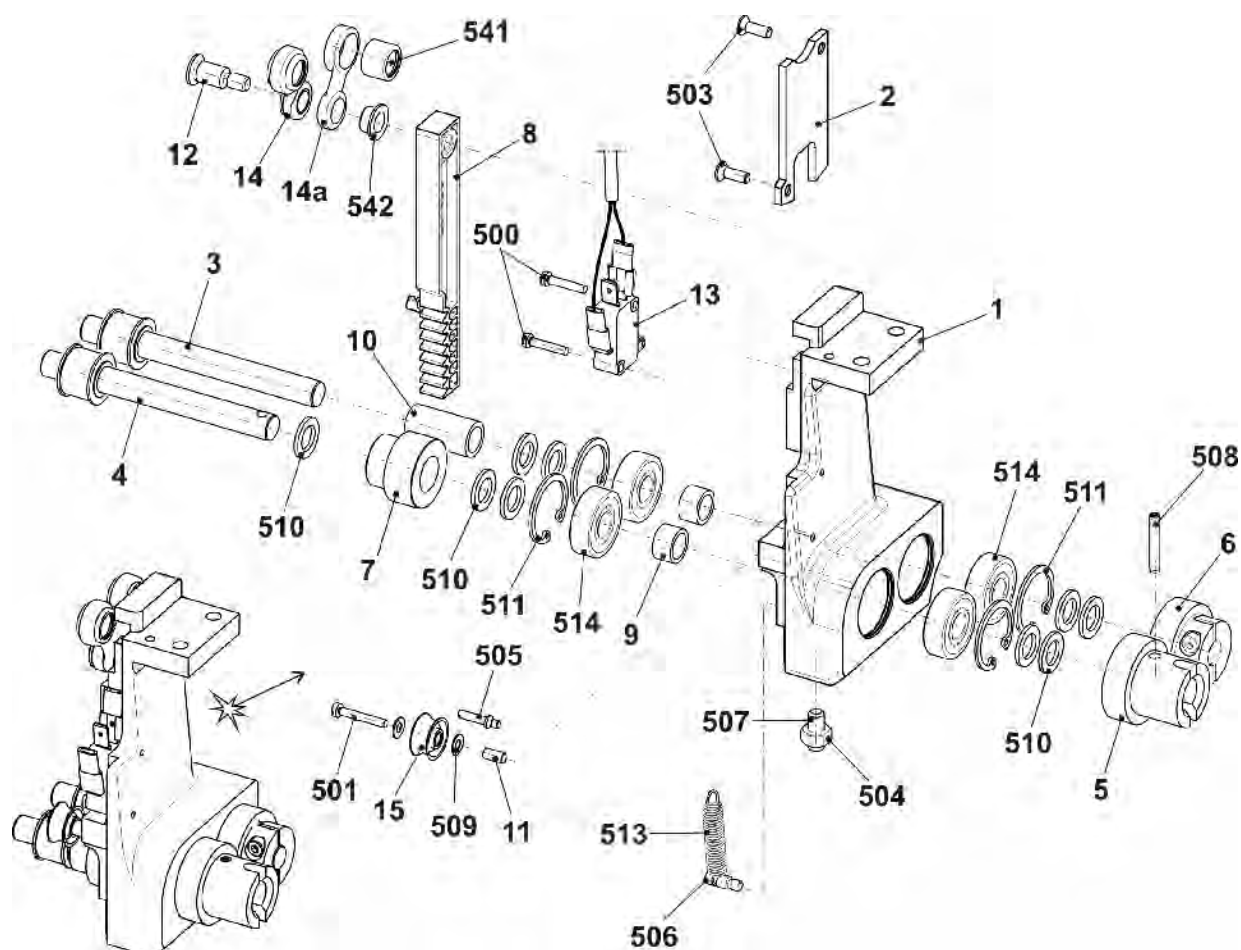
15.13.1.1 Left bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the left	239 999	10	Roller deflector	218 805
1	Bearing block on the left	258 914	11	Sleeve	239 997
2	Cover	257 466	500	Shoulder screw M4x9x14	020 602
3	Drive shaft complete	227 887	501	Hexagon nut M6-6	020 836
4	Collar bolt	210 551	502	Retaining ring 26x1,2	023 359
5	Bolts	226 705	503	Threaded bolt with shoulder	243 226
6	Connecting rod complete	226 710	504	Cap screw M3x20	022 448
6a	Connecting rod	255 696	505	Shim ring 4x8x0,5	023 384
560	Slide bearing GFM-081014-06	023 358	506	Shim ring 10x16x1,5	023 261
561	Needle roller bearing HK1010	023 664	507	Countersunk head screw M4x12	023 062
7	Threaded spacer	229 683	508	Grooved ball bearing 6000-2Z	022 599
8	Gear wheel on the left complete	218 523	509	Setscrew M6x16-45	023 092
9	Gear rack on the left	253 488	510	Tension spring 7,5x0,7x28	023 595



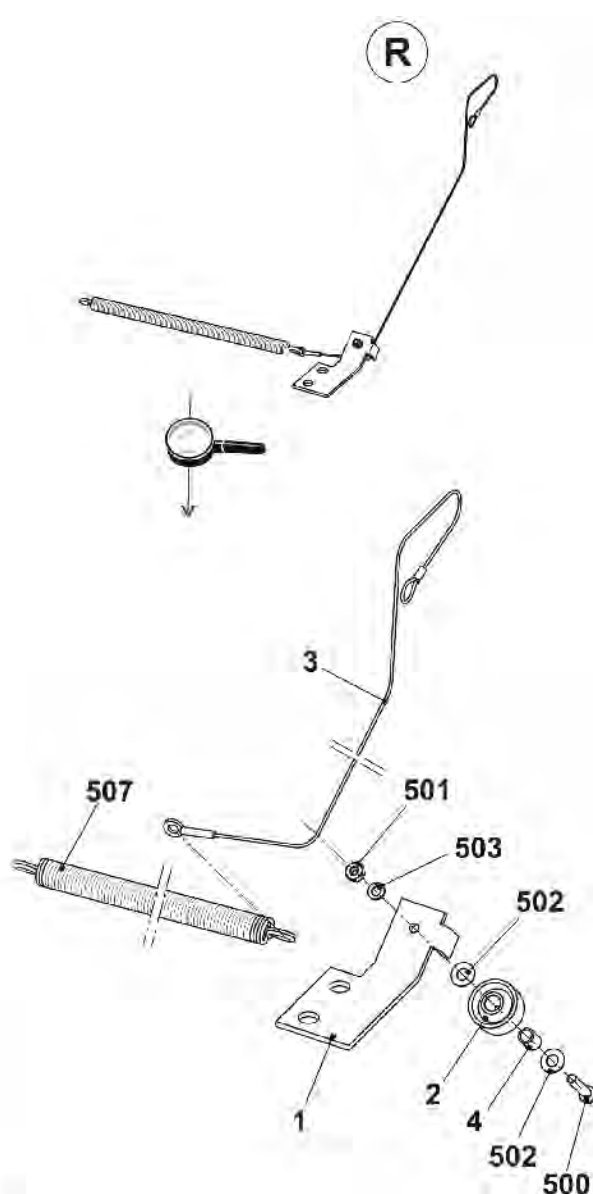
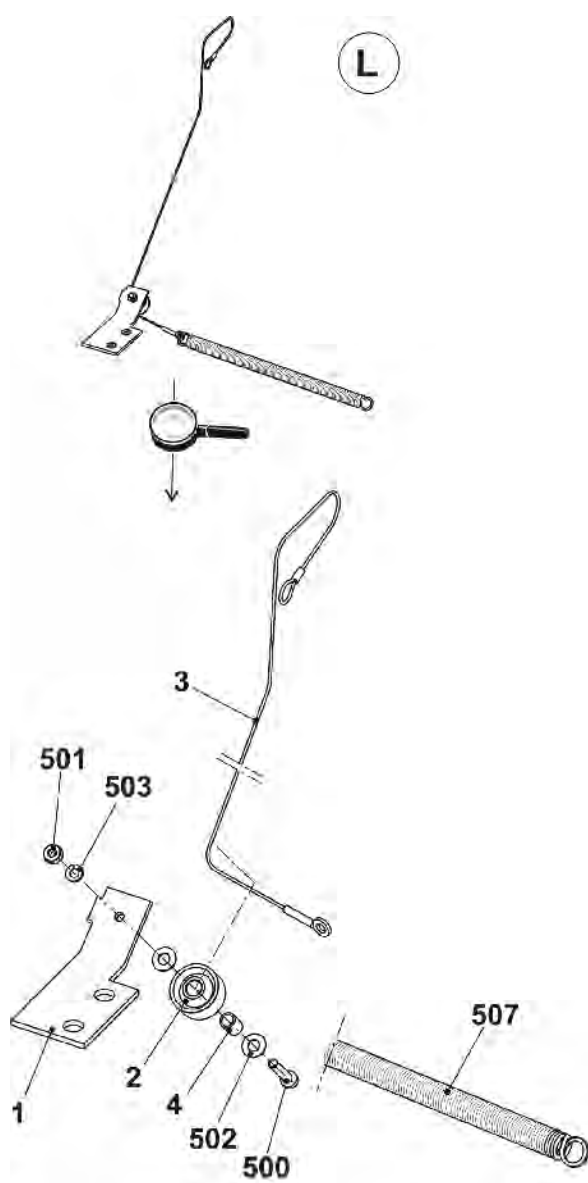
15.13.1.2 Right bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right complete	239 996		541 Needle roller bearing HK1010	023 664
1	Bearing block on the right	258 913		542 Slide bearing GFM-081014-06	023 358
2	Cover	257 466	15	Roller deflector	218 805
3	Drive shaft complete	227 857	500	Cap screw M3x16	022 560
4	Drive shaft complete	227 853	501	Cap screw M3x20	022 448
5	Gear wheel M=1,5, Z=20	213 880	503	Countersunk head screw M4x12	023 062
6	Gear wheel M=1,5, Z=20	210 504	504	Hexagon nut M6-6	020 836
7	Gear wheel on the right complete	218 524	505	Threaded bolt with shoulder	243 226
8	Gear rack on the right	253 487	506	Shoulder screw M4x9x14	020 602
9	Threaded spacer	229 683	507	Setscrew M6x16-45	023 092
10	Sleeve	227 257	508	Spiral pin 4x24	023 544
11	Sleeve	239 997	509	Shim ring 4x8x0,5	023 384
12	Collar bolt	210 551	510	Shim ring 10x16x1,5	023 261
13	Cable with switch auxiliary take-downokc	243 142	511	Retaining ring 26x1,2	023 359
14	Connecting rod complete	226 710	513	Tension spring 7,5x0,7x28	023 595
14a	Connecting rod	255 696	514	Grooved ball bearing 6000-2Z	022 599



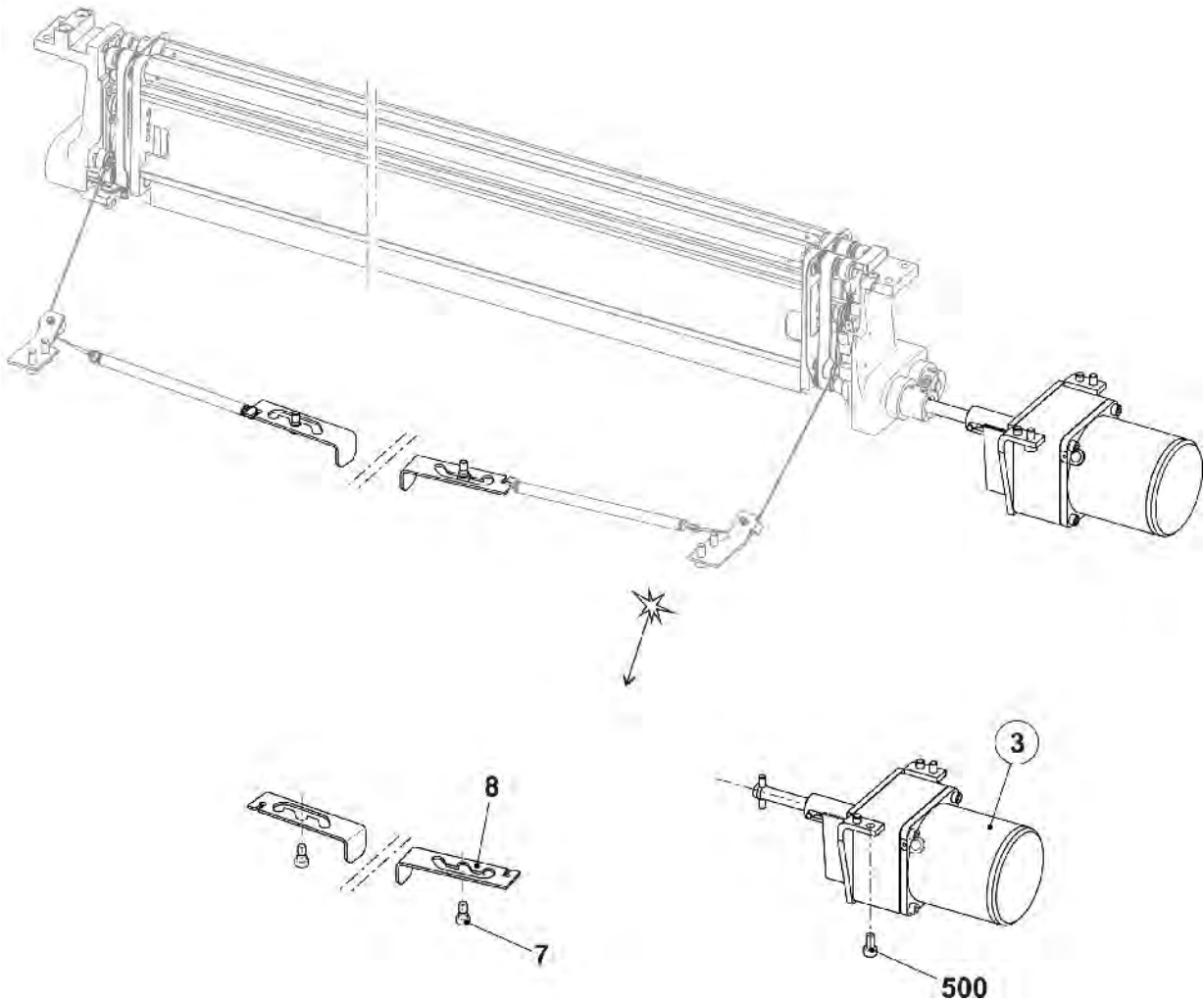
15.13.1.3 Metal angle on the left and right complete

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



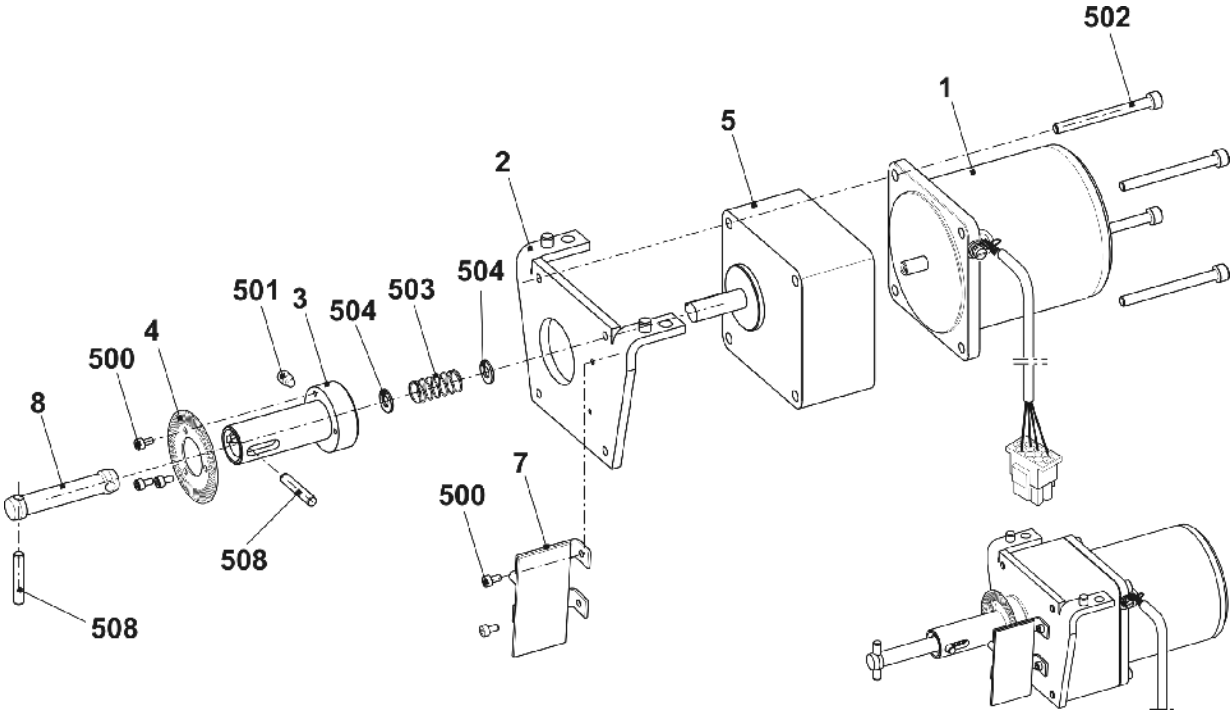
15.13.2 Auxiliary take-down in the middle

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



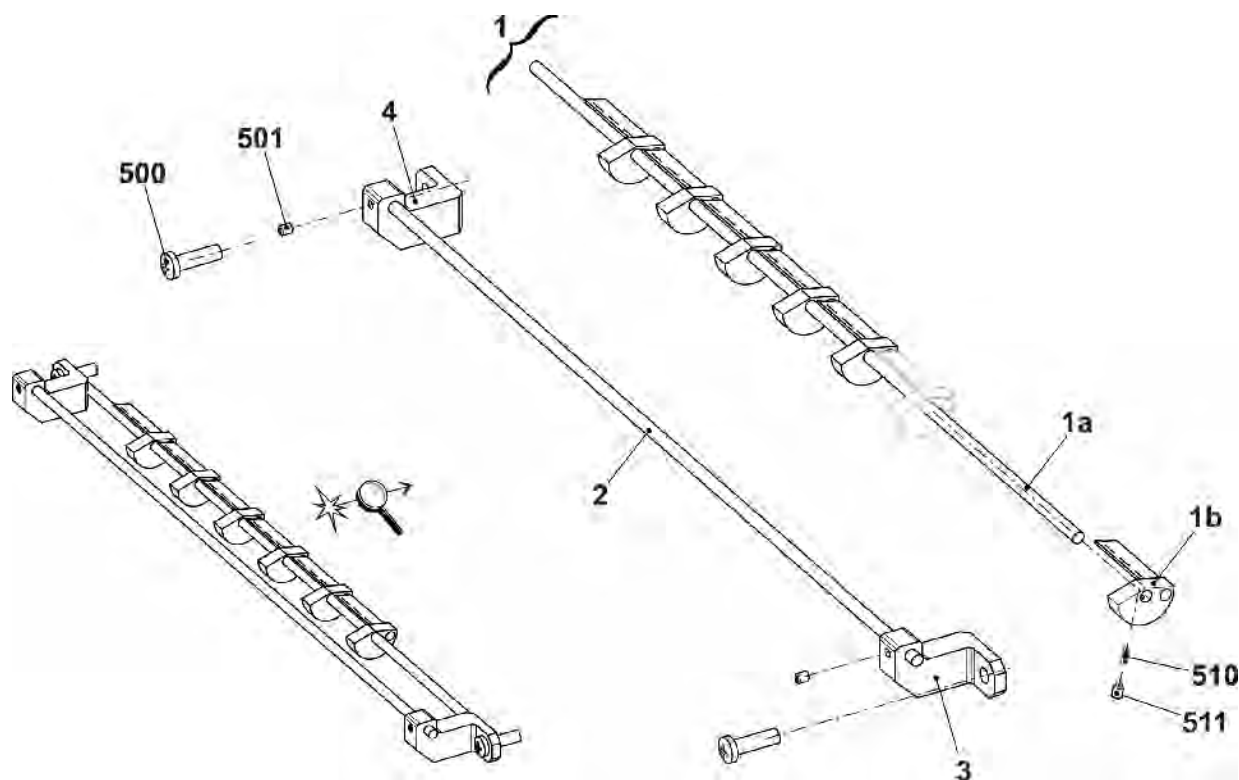
15.13.2.1
Motor

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



15.14 Sanding Paper Brake

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



15.15 Adjusting plates, Device needle bed complete

Pos	Designation	Id	Pos	Designation	Id
Σ1	Yarn carrier adjusting plate set	266 736			
12	Adjusting plate	265 064	17	Adjusting plate V 0,25	267 253
13	Adjusting plate	265 061	18	Adjusting plate V 0,5	258 199
14	Adjusting plate	265 063	19	Adjusting plate V 1	258 200
15	Adjusting plate	265 062	20	Adjusting plate V 1,5	258 201
Σ2	Device needle bed complete	263 625			

