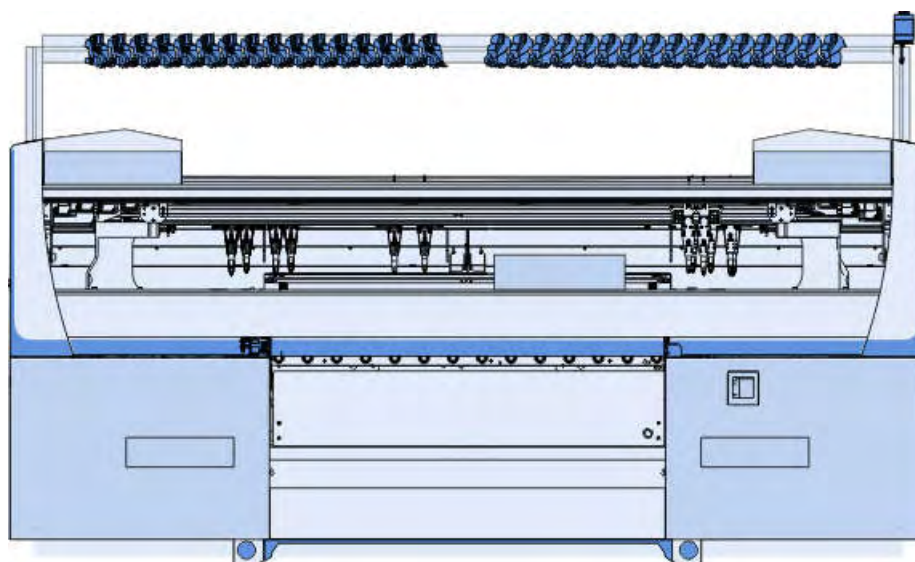


STOLL

Spare parts catalog CMS ADF-3 (Type 681)

Component type 000

E12 | E14 | E16 | E18 | E7.2 | E8.2



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1 Introduction

Imprint

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

The indications of this catalog are without liability.

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Notes for the order

This catalog serves to order spare parts.

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

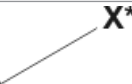
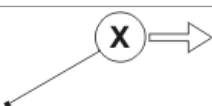
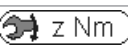
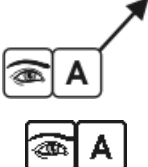
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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

Only genuine STOLL spare parts may be used for repairs.

1.1 Search help

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

Symbol	Meaning
	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.

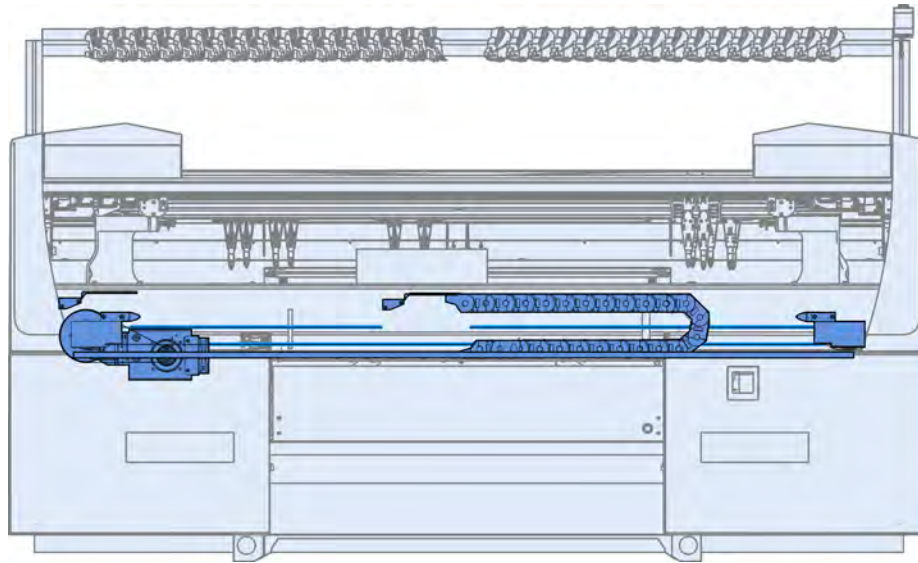
Drehmomente Torques Couples Coppias Momentos de rotación [Nm] ± 10 % (für $\mu_{ges} = 0,12$)		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clasas de resistencia		
		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filetto regolatore Filete regulador	M3	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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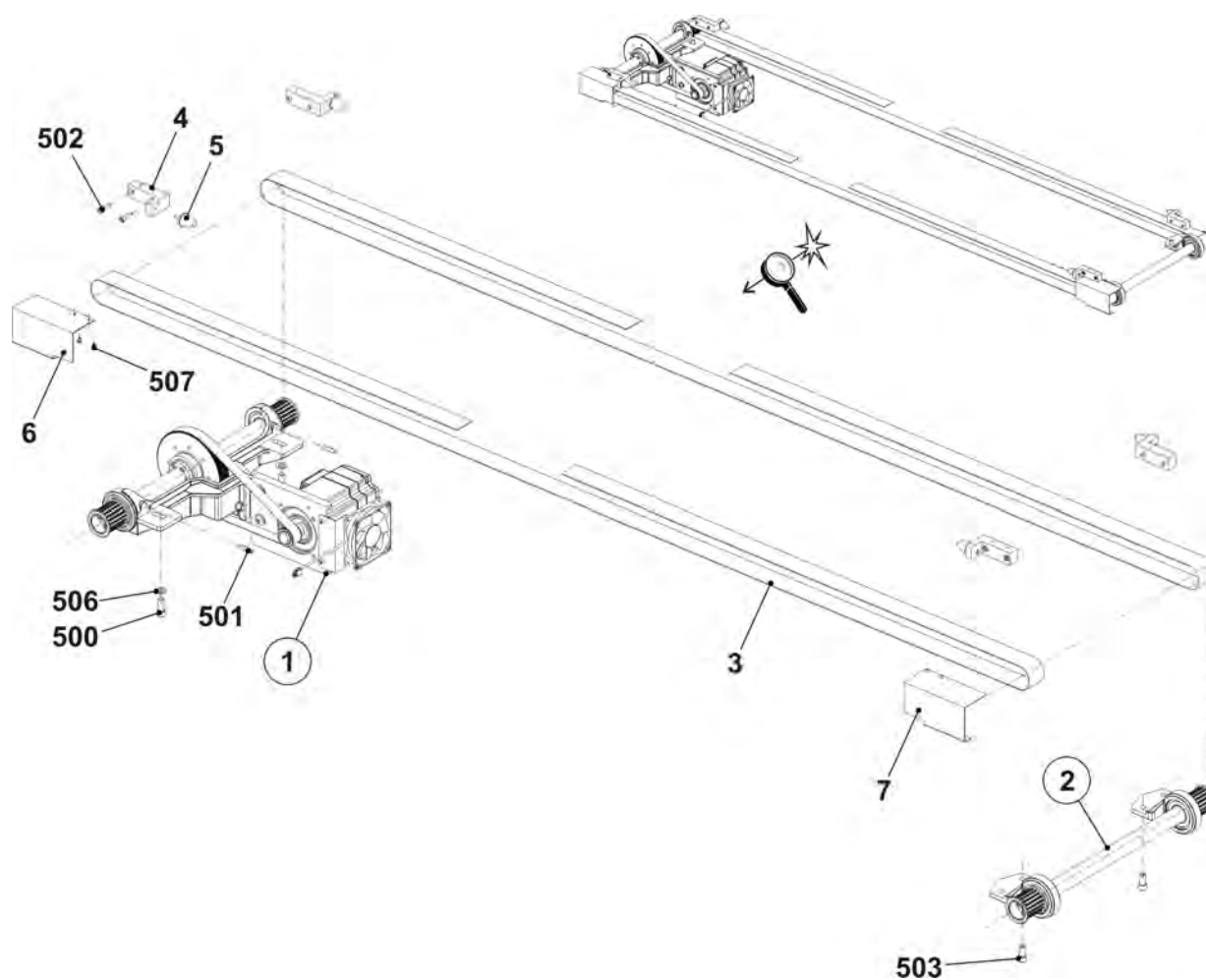
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2 Carriage drive



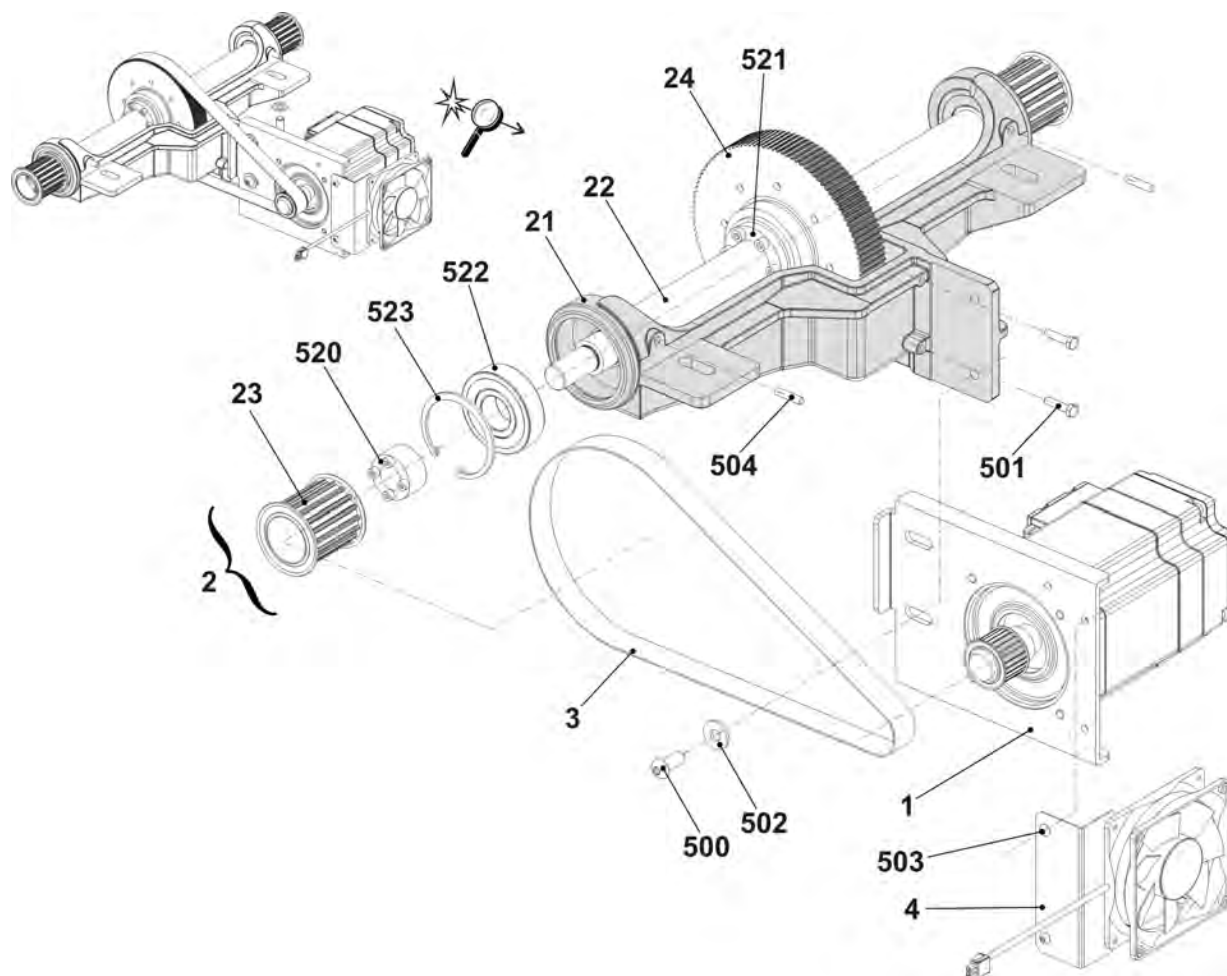
2.1 Main drive

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Main drive complete	258 061	7	Protective plate on the right	263 630
1	Drive unit complete	258 062	500	Cap screw M12x30	023 660
2	Bearing	258 069	501	Setscrew M8x35	257 945
3	Toothed belt 50AT10/5040	257 984	502	Cap screw M8x25	020 142
4	Support of buffer	257 947	503	Cap screw M12x25	023 383
5	Parabolic spring	258 009	506	Washer 12	020 875
6	Protective plate on the left	263 602	507	Pan-head screw M5x8	239 408



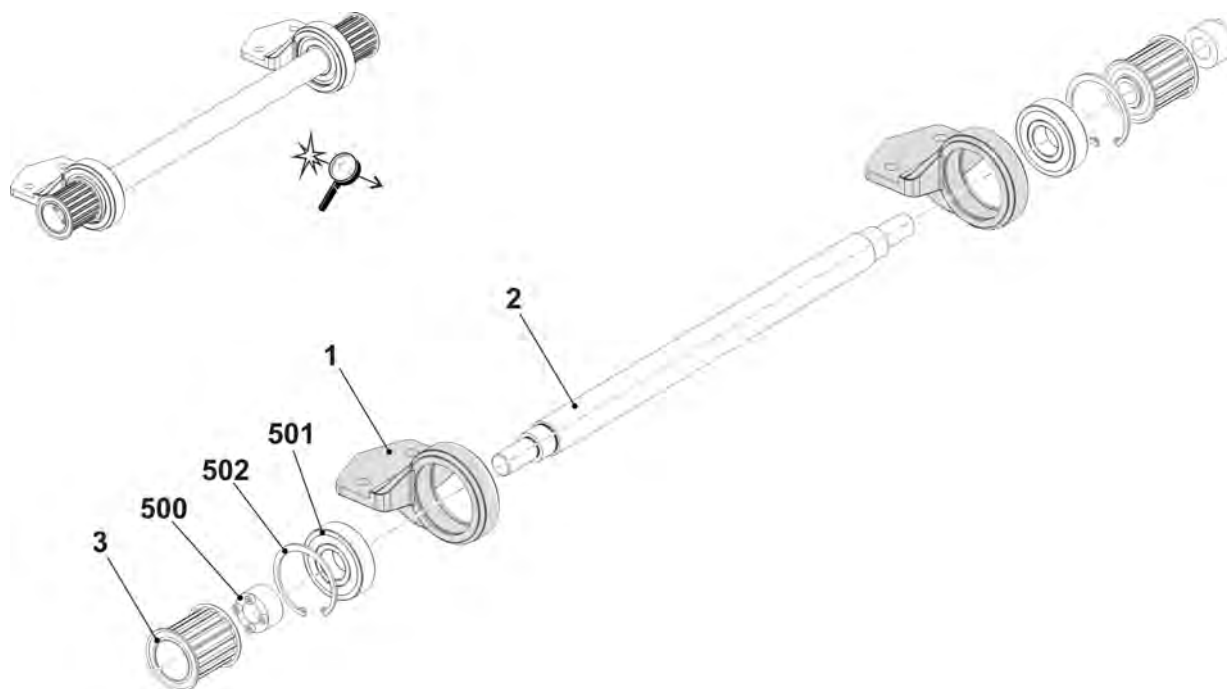
2.1.1 Motor and belt drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	258 062	522	Grooved ball bearing 6306-2RS	257 916
1	Drive unit	264 336	523	Retaining ring68x2.5	022 914
2	Drive bearing	258 068	3	Toothed belt250 HP-S5M 920 NG	258 010
21	Drive bearing	257 896	4	Fan complete	253 692
22	Drive shaft	257 949	500	Pan-head screw M10X25	023 684
23	Pinion57 AT10 18	257 946	501	Hexagon screw M6x25	257 917
24	Timing belt pulley	257 948	502	Disk10,5X25X2,5	022 178
520	Tension set 22x40	258 040	503	Pan-head screw M6X10	023 183
521	Tension set 35X60	258 039	504	Setscrew M8x35	257 945



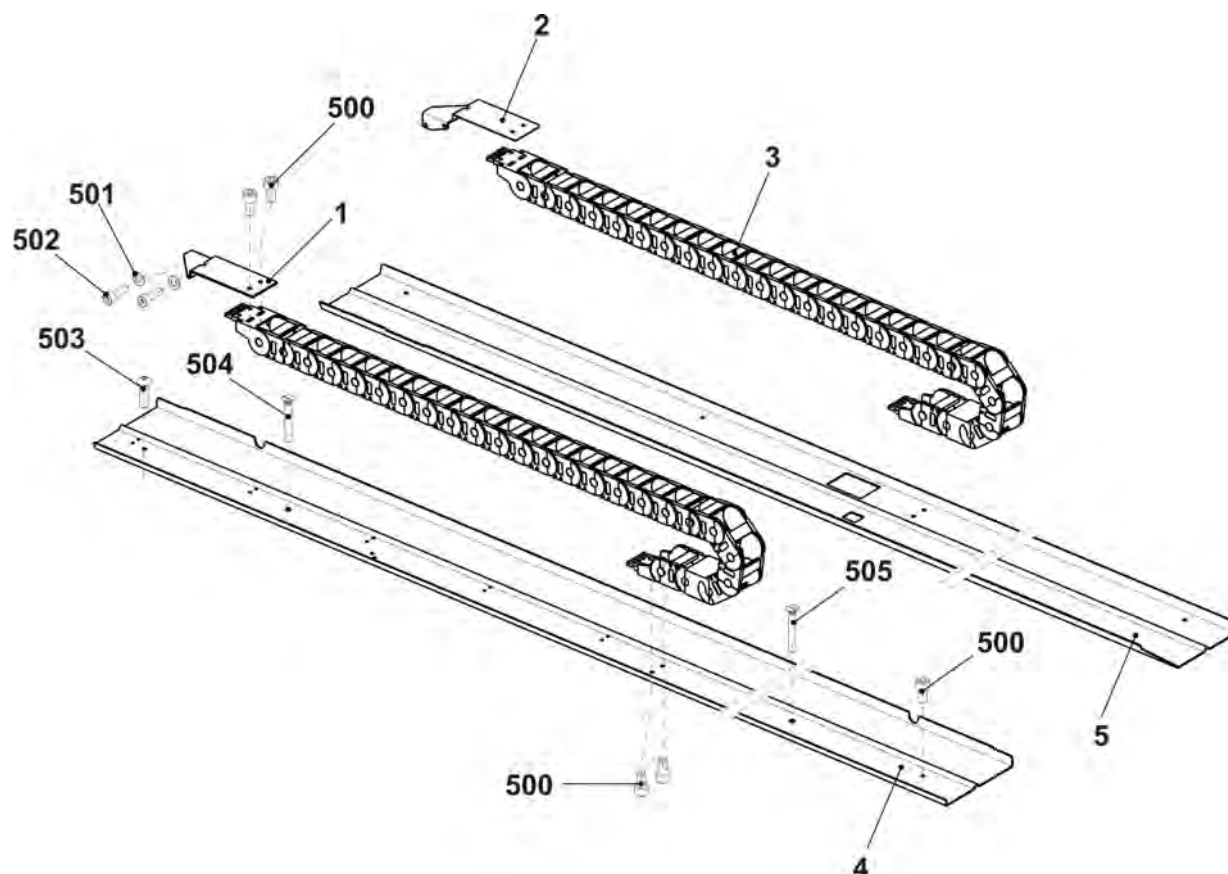
2.1.2 Bearing

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing	258 069			
1	Tension bearing	257 915	500	Tension set 22x40	258 040
2	Drive shaft	257 949	501	Grooved ball bearing 6306-2RS	257 916
3	Zahnritzel 57 AT10 18	257 946	502	Retaining ring 72x2,5	022 914

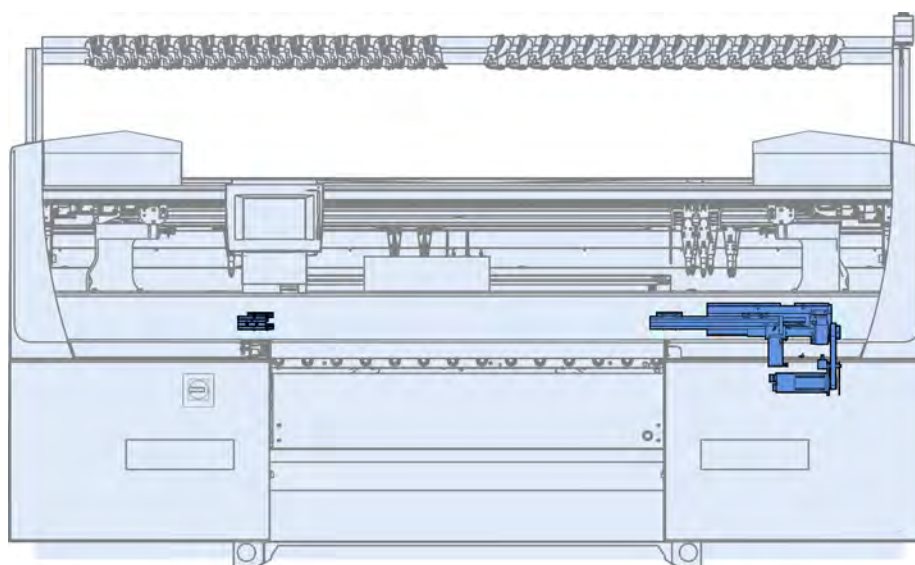


2.2 Energy chain

Pos	Designation	ID	Pos	Designation	ID
1	Cable driver (front)	259 506	501	Washer 5	259 666
2	Cable driver (rear)	259 507	502	Cap screw M5x16	022 726
3	Energy chain 24 links	258 041	503	Pan-head screw M6x20	241 603
4	Front depositing gutter	259 600	504	Pan-head screw M5x35	262 535
5	Rear depositing gutter	259 599	505	Pan-head screw M5x22	022 964
500	Cap screw M6x12	020 134			

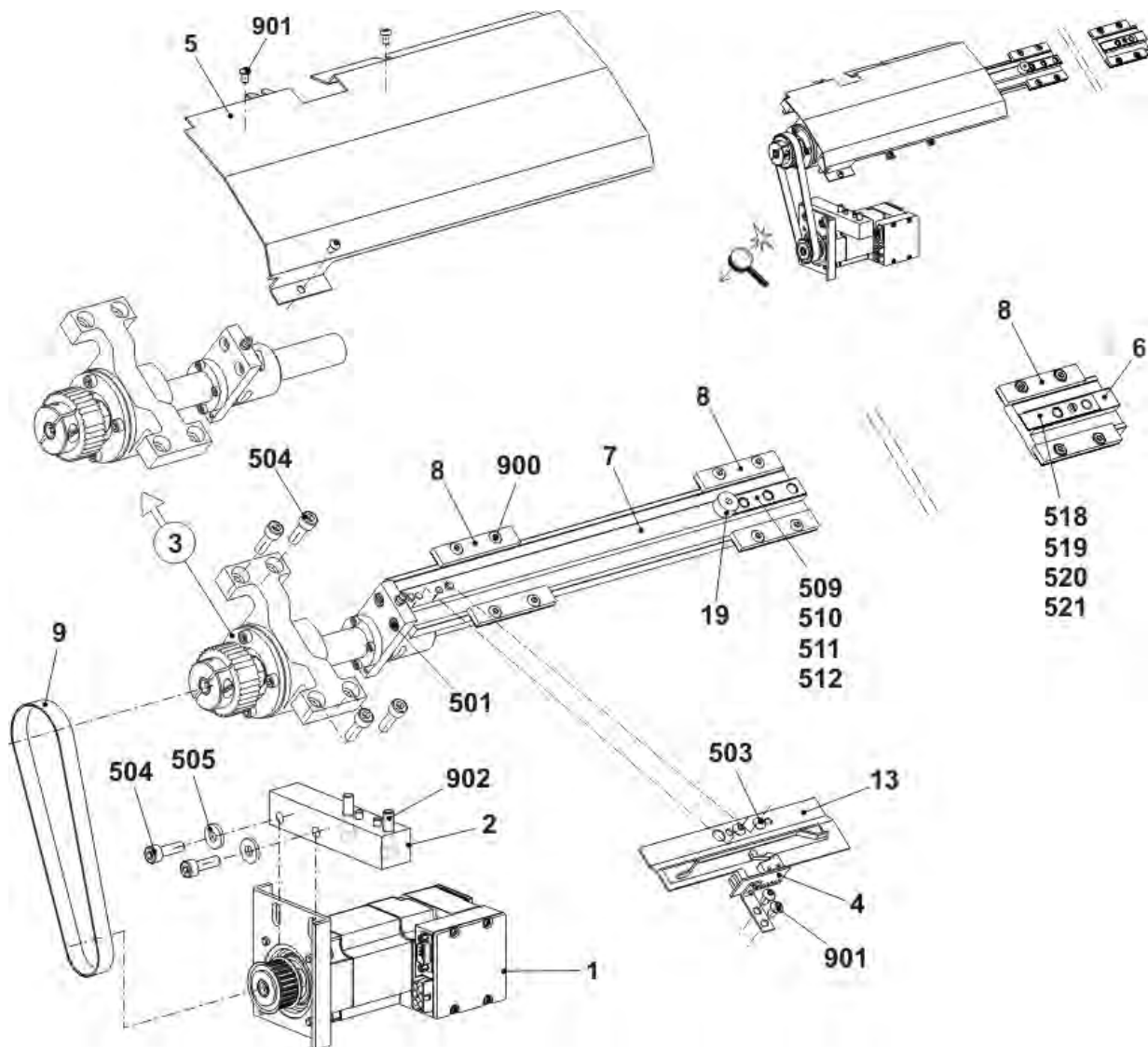


3 Racking

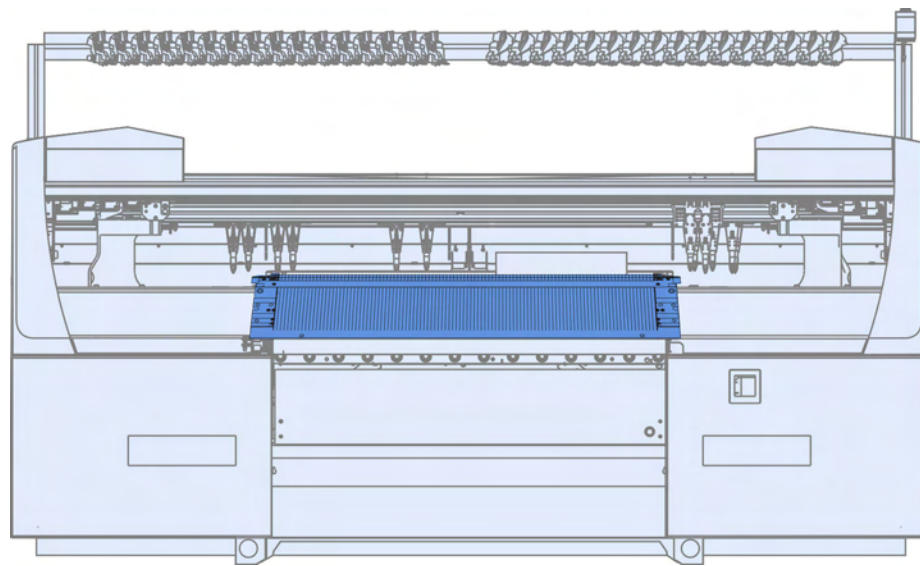


3.1 Racking

Pos	Designation	Id	Pos	Designation	Id
Σ	Racking				
1	Racking motor OKC complete	258 192	504	Cap screw M8x25	020 142
2	Bearing	263 864	505	Washer 8,4X20X3	022 175
3	Spindle bearing	253 262	509	Shim0,03x15x85	023 162
4	Card racking limit switch	229 396	510	Shim0,05x15x85	023 163
5	Racking cover plate	258 634	511	Shim0,1x15x85	023 164
6	Racking strip on the left	240 696	512	Shim0,2x15x85	023 170
7	Racking strip	240 690	518	Shim0,03x15x75	023 395
8	Guide strip	206 382	519	Shim 0,05x15x7	023 396
9	Toothed belt150 S 5M 490	229 281	520	Shim0,1x15x75	023 397
13	Switch plate	240 722	521	Shim0,2x15x75	023 398
19	Stop screw	221 386	900	Cap screw M6x12	022 795
501	Cap screw M6x16	023 116	901	Pan-head screw M6x10	023 183
503	Pan-head screw M6x10	023 183	902	Cap screw M8x30	020 143

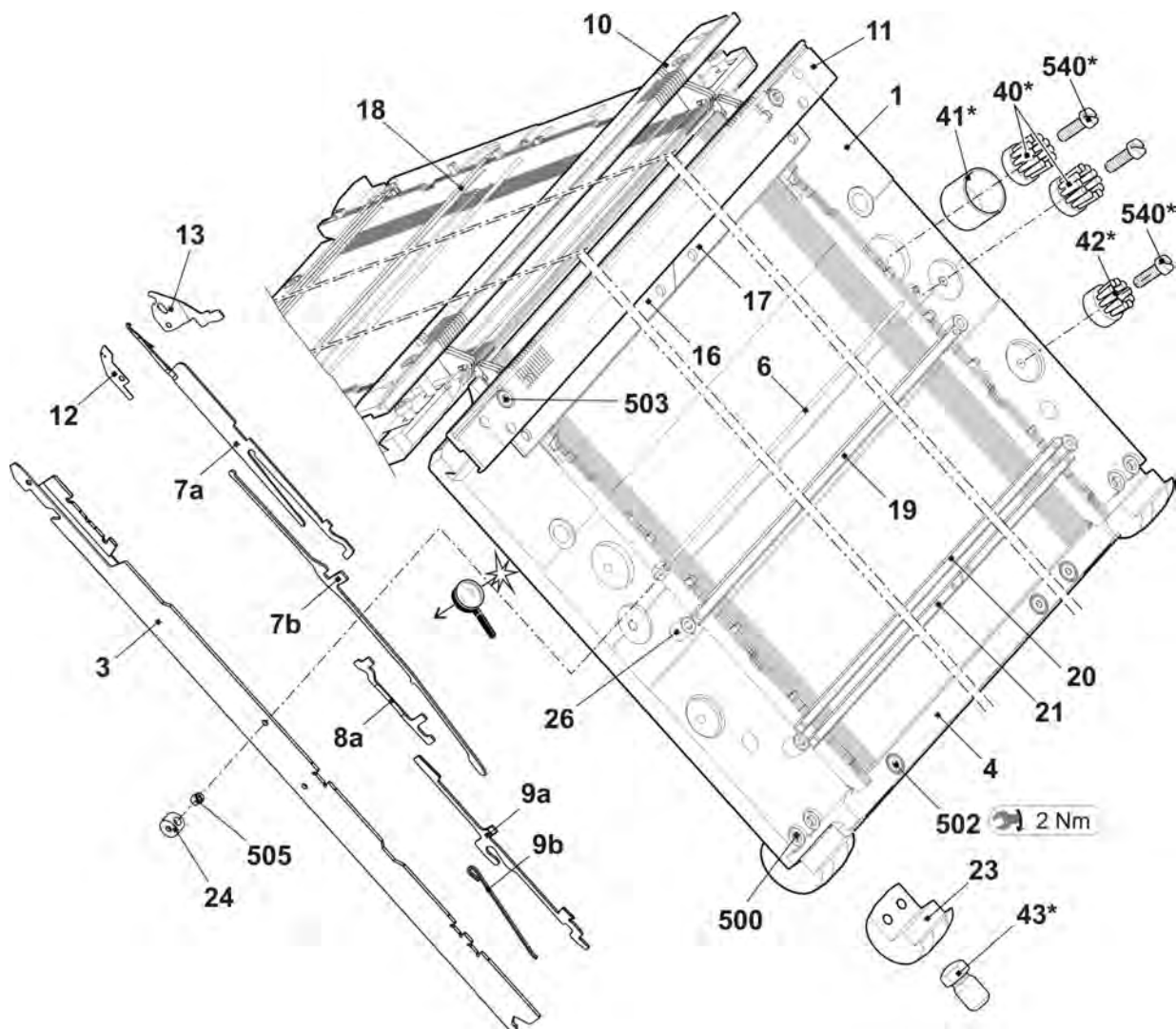


4 Needle beds



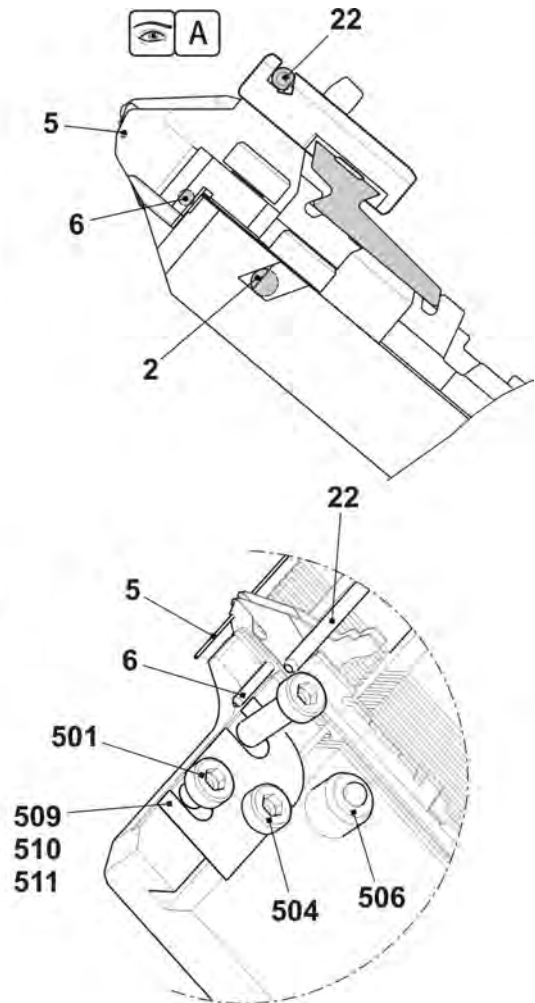
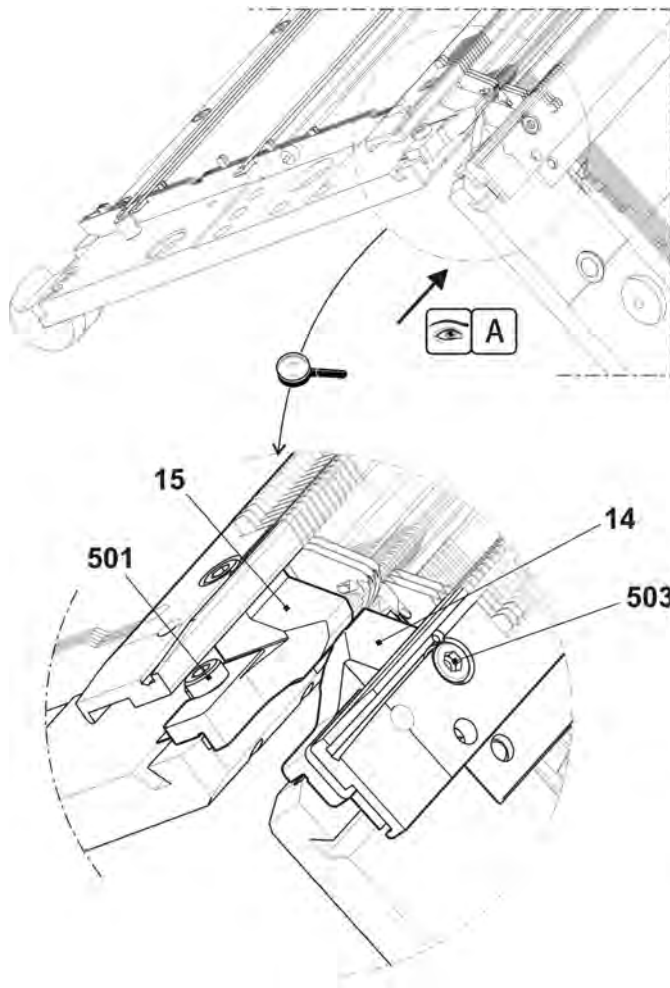
4.1 Needle bed E12

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E12	263 806	18	Cover rail at the rear	213 981
1	Needle bed at the front and rear E12	257 962	19	Cover rail at the front E12	214 037
3	Main trick wall E12	260 343	20	Cover rail	213 762
4	Pressure slide E10-14	213 919	21	Cover rail	213 763
6	Spring steel wire ø2,0	213 996	23	Support	241 339
71	Needle E12	204 009	24	Bush	206 090
72	Coupling part E10-12	253 382	26	Stop screw	235 244
81	Intermediate slider with brake E10-12	255 535	500	Cap screw M6x14	022 658
91	Selection jack E10-12	200 688	502	Cap screw M5x8	023 379
92	Selector spring E10-12	200 691	503	Cap screw M5x22	023 193
10	Holding-down jack bed at the rear E12	240 448	505	Setscrew M3,5x3-1	020 512
11	Holding-down jack bed at the front E12	240 431	40*	Disk brush	235 612
12	Knock-over bit E12	259 212	41*	Container disk brush	233 012
13	Holding-down jack (trick wall) E12	259 213	42*	Disk brush	202 600
16	Needle bar on the left	213 998	43*	Adjusting bolt	240 765
17	Needle bar on the right	213 999	540*	Cap screw M5x12	020 032



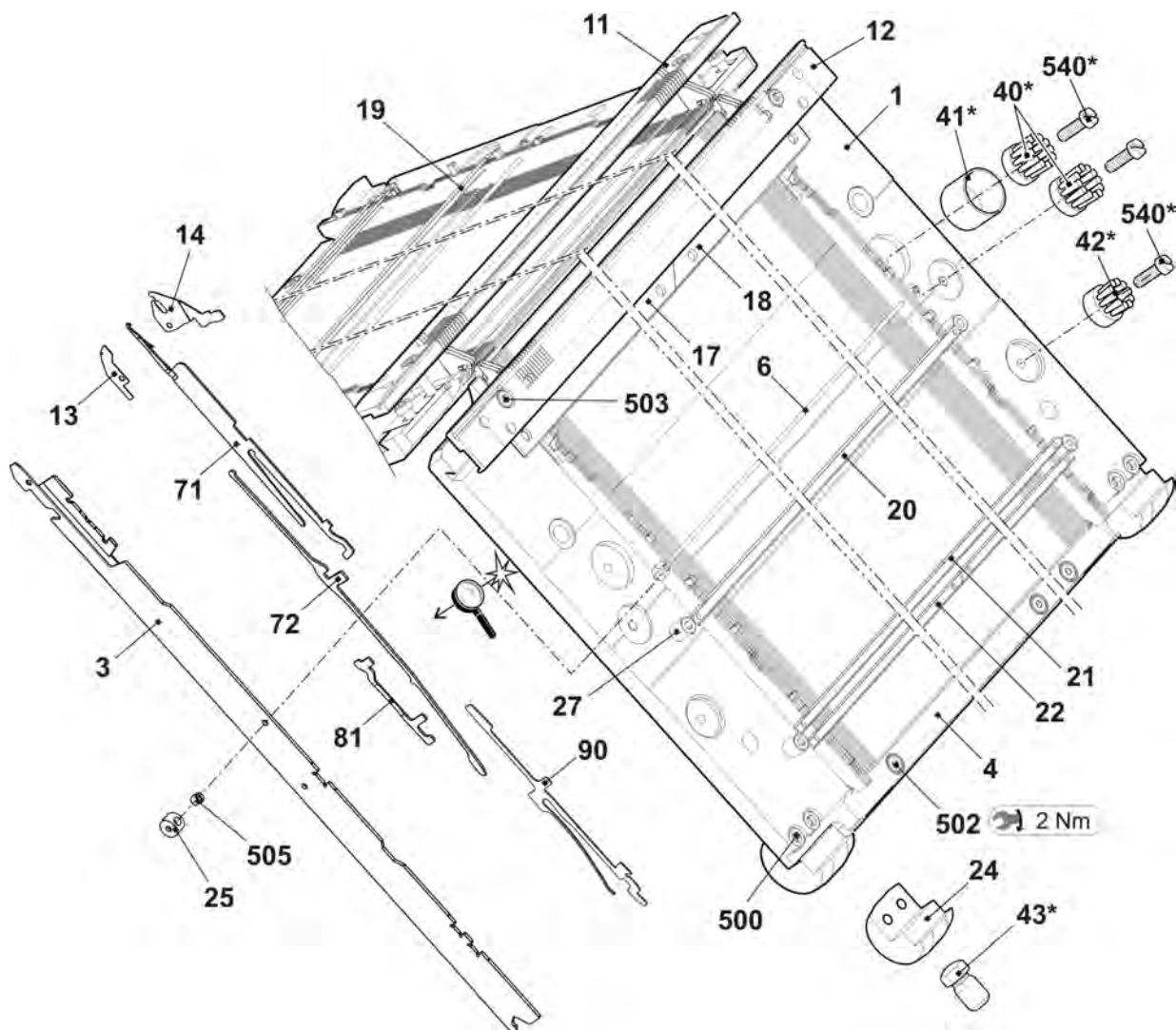
4.1.1 Continuation needle bed E12

Pos	Designation	Id	Pos	Designation	Id
2	Locating wire $\varnothing 3,4$	213 995	503	Cap screw M5x22	023 193
5	Spring steel wire $\varnothing 0,6$	213 990	504	Cap screw M5x12	022 943
6	Spring steel wire $\varnothing 2,0$	213 996	506	Springy thrust piece	023 177
14	Limiter on the left E10-E14	205 764	509	Shim0,05x18,5x34	023 196
15	Limiter on the right E10-E14	205 765	510	Shim0,1x18,5x34	023 197
22	Locating wire $\varnothing 2,8$	213 983	511	Shim0,2x18,5x34	023 253
501	Cap screw M5x8	023 154			



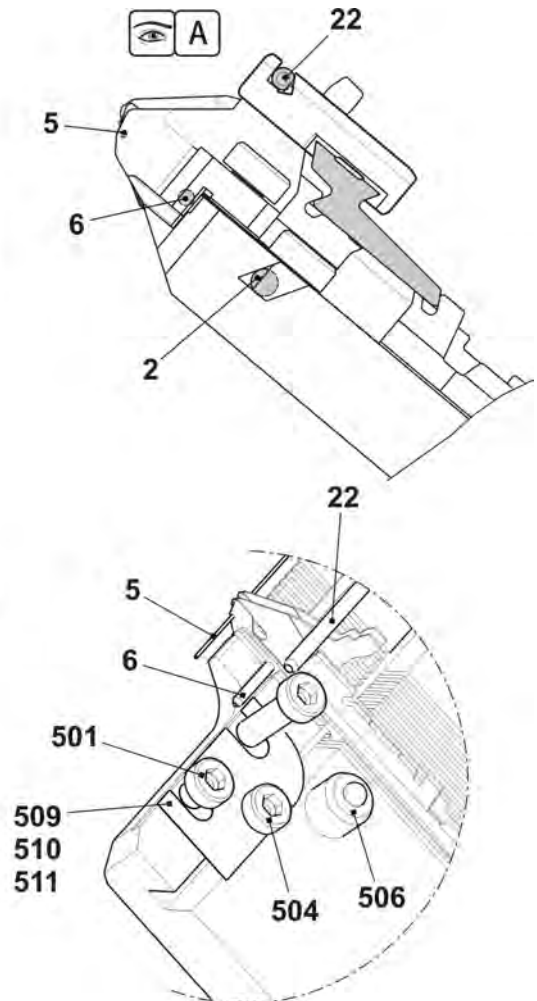
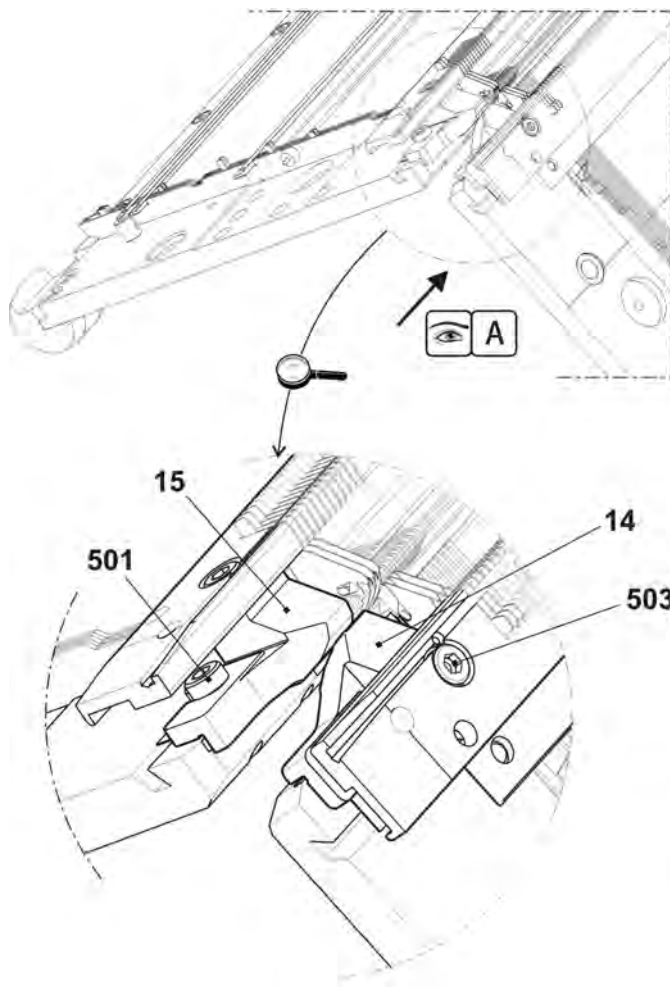
4.2 Needle bed E14

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E14	257 972			
1	Needle bed at the front and rear E14	257 963	20	Cover rail at the front E14	214 038
3	Main trick wall E14	260 344	21	Cover rail	213 762
4	Pressure slide E10-14	213 919	22	Cover rail	213 763
6	Spring steel wire ø2,0	213 996	24	Support	241 339
71	Needle E14	209 614	25	Bush	206 090
72	Coupling part E14	253 383	27	Stop screw	235 244
81	Intermediate slider with brake E14	255 536	500	Cap screw M6x14	022 658
10	Selection jack with spring E14	224 725	502	Cap screw M5x8	023 379
11	Holding-down jack bed at the rear E14	240 449	503	Cap screw M5x22	023 193
12	Holding-down jack bed at the front E14	240 432	505	Setscrew M3,5x3	020 512
13	Knock-over bit E14	209 649	40*	Disk brush	235 612
14	Holding-down jack trick wall E14	235 262	41*	Container disk brush	233 012
17	Needle bar on the left	213 998	42*	Disk brush	202 600
18	Needle bar on the right	213 999	43*	Adjusting bolt	240 765
19	Cover rail at the rear	213 981	540*	Cap screw M5x12	020 032



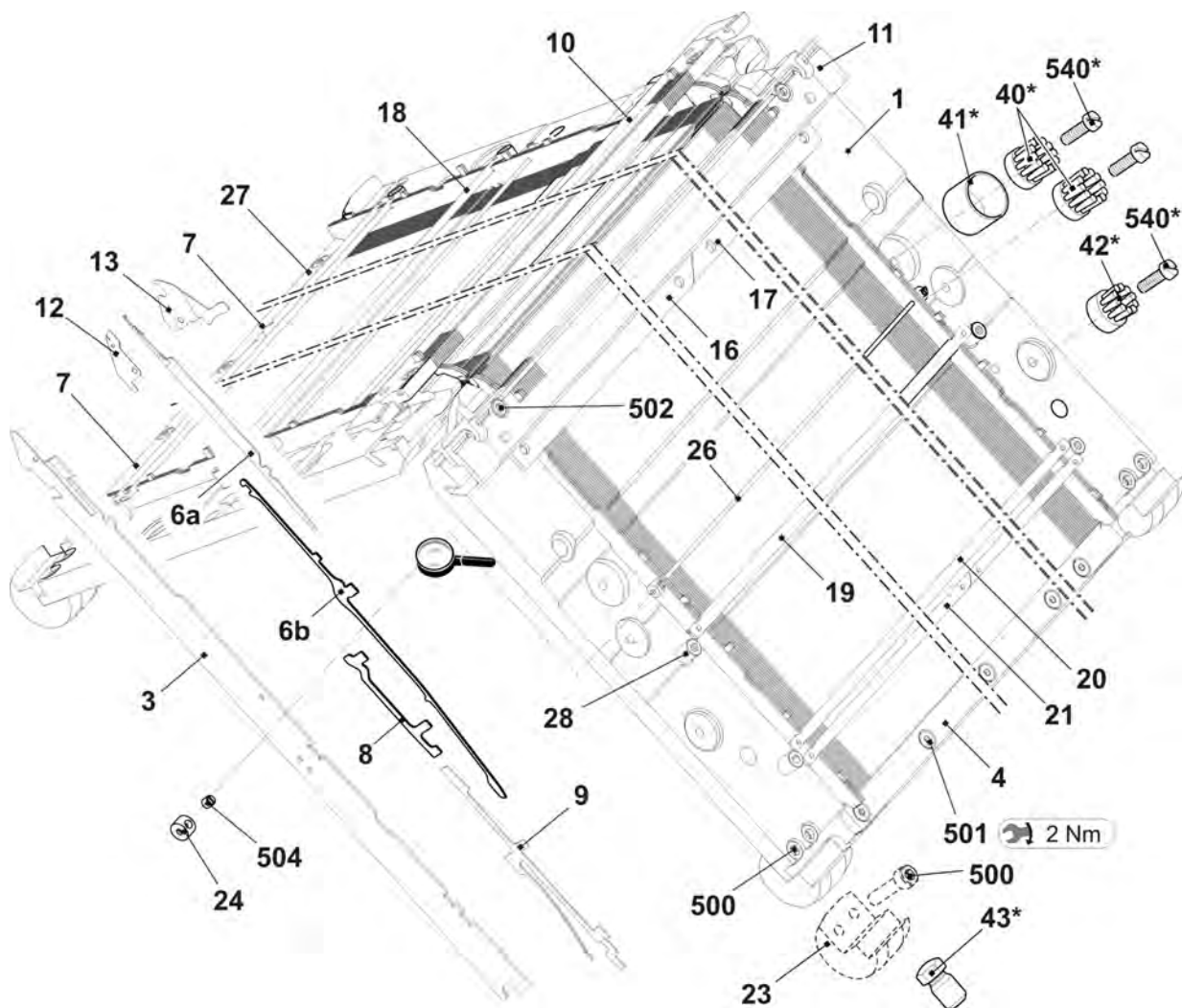
4.2.1 Continuation needle bed E14

Pos	Designation	Id	Pos	Designation	Id
2	Locating wire $\varnothing 3,4$	213 995	503	Cap screw M5x22	023 193
5	Spring steel wire $\varnothing 0,6$	213 990	504	Cap screw M5x12	022 943
6	Spring steel wire $\varnothing 2,0$	213 996	506	Springy thrust piece	023 177
15	Limiter on the left E10-14	205 764	509	Shim0,05x18,5x34	023 196
16	Limiter on the right E10-14	205 765	510	Shim0,1x18,5x34	023 197
23	Locating wire $\varnothing 2,8$	213 983	511	Shim0,2x18,5x34	023 253
501	Cap screw M5x8	023 154			



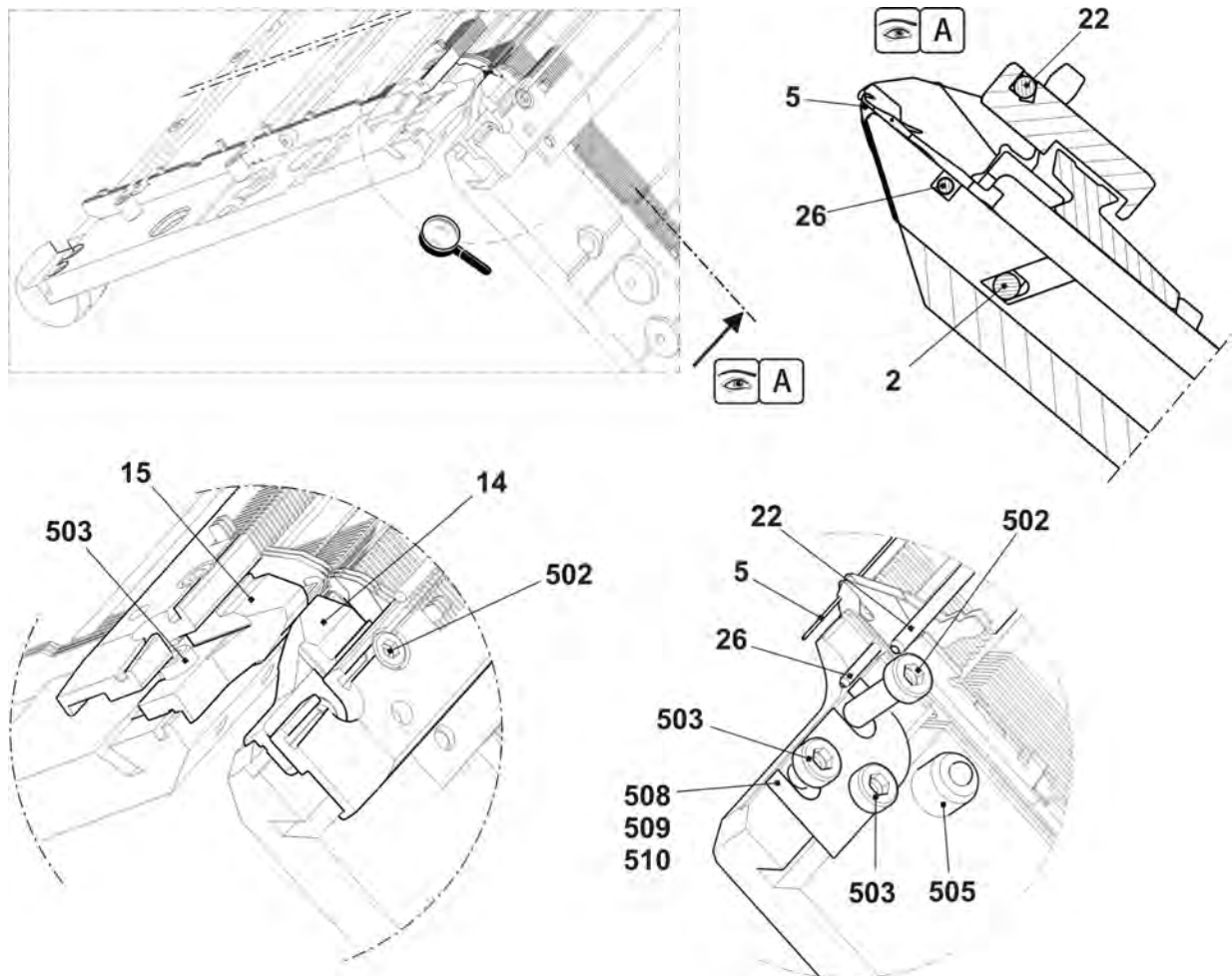
4.3 Needle bed E16

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E16	262 077			
1	Needle bed at the front + rear E16	262 076	20	Cover rail	213 762
3	Main trick wall E16	245 319	21	Cover rail	213 763
4	Pressure strip at the front E5-14	219 536	23	Support	241 339
6a	Needle E16	232 243	24	Bush	206 090
6b	Coupling part E16-20	253 384	26	Spring steel wire D=2,0 1287 mm	213 996
7	Pressure strip at the rear E5-14	219 537	27	Pressure strip at the rear on the right E16 – E20	223 042
8	Intermediate slider with brake E16-18	255 537	28	Stop screw	235 244
9	Selection jack E16-20	222 265	500	Cap screw M6x14	022 658
10	Holding-down jack bed at the rear E16	240 450	501	Cap screw M4-M5x8	023 379
11	Holding-down jack bed at the front E16	240 433	502	Cap screw M5x22	023 193
12	Knock-over bit wire position E16	261 865	504	Setscrew M3,5x3-1	020 512
13	Holding-down jack E16	264 106	40*	Disk brush	235 612
16	Needle bar on the left	213 998	41*	Container disk brush	233 012
17	Needle bar on the right	213 999	42*	Disk brush	202 600
18	Cover rail at the rear	213 981	43*	Adjusting bolt	240 765
19	Cover rail at the front E16	222 531	540*	Cap screw M5x12	020 032



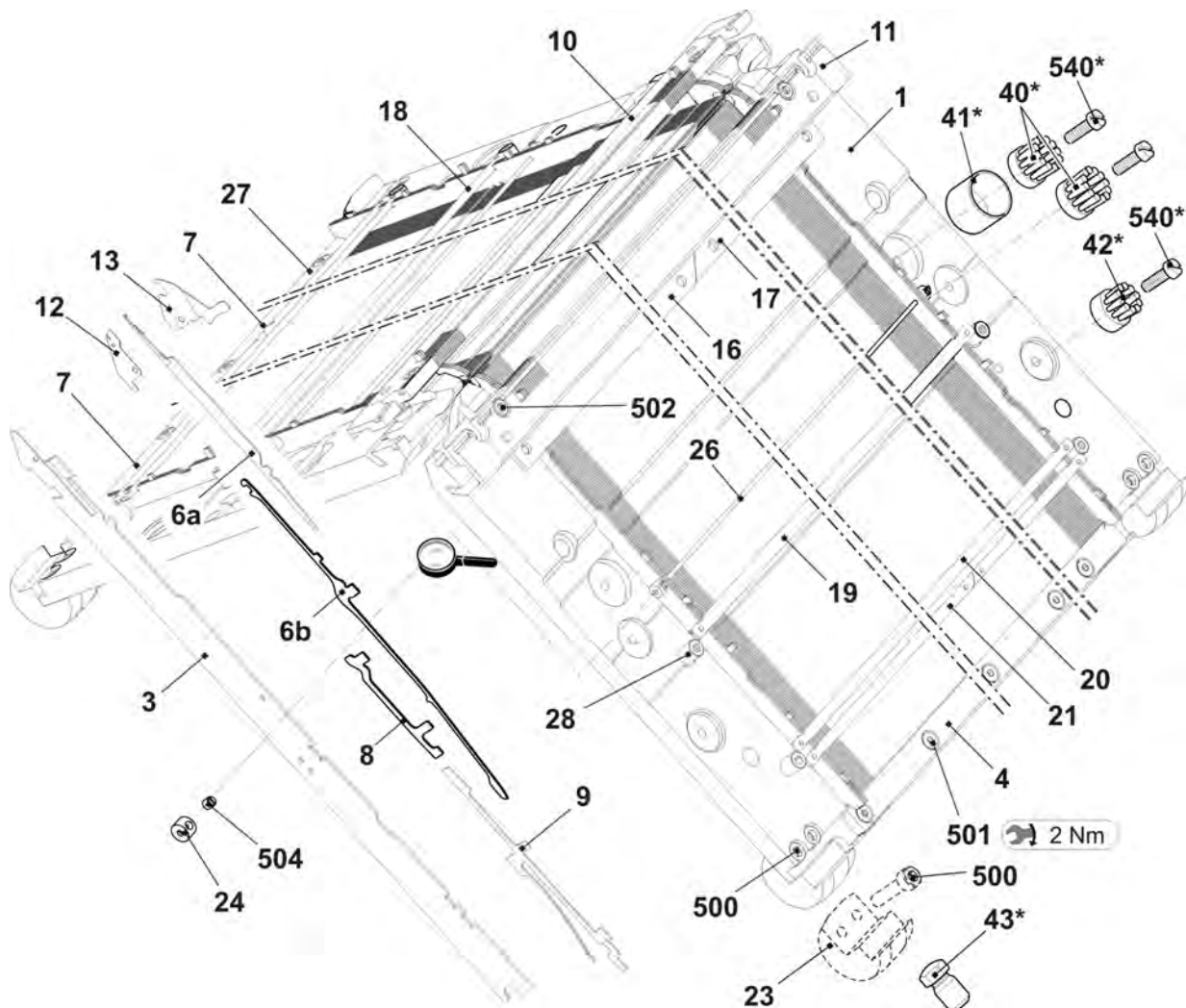
4.3.1 Continuation needle bed E16

Pos	Designation	Id	Pos	Designation	Id
2	Locating wire $\varnothing 3,4$	213 995	502	Cap screw M5x22	023 193
5	Spring steel wire $\varnothing 0,5$	220 759	503	Cap screw M5x12-8.8	022 943
14	Limiter on the left E16-20	220 821	505	Springy thrust piece	023 177
15	Limiter on the right E16-20	220 822	508	Shim0,05x18,5x34	023 196
22	Locating wire $\varnothing 2,8$	223 922	509	Shim0,1x18,5x34	023 197
26	Spring steel wire $\varnothing 2,0$	213 996	510	Shim0,2X18,5X34	023 253



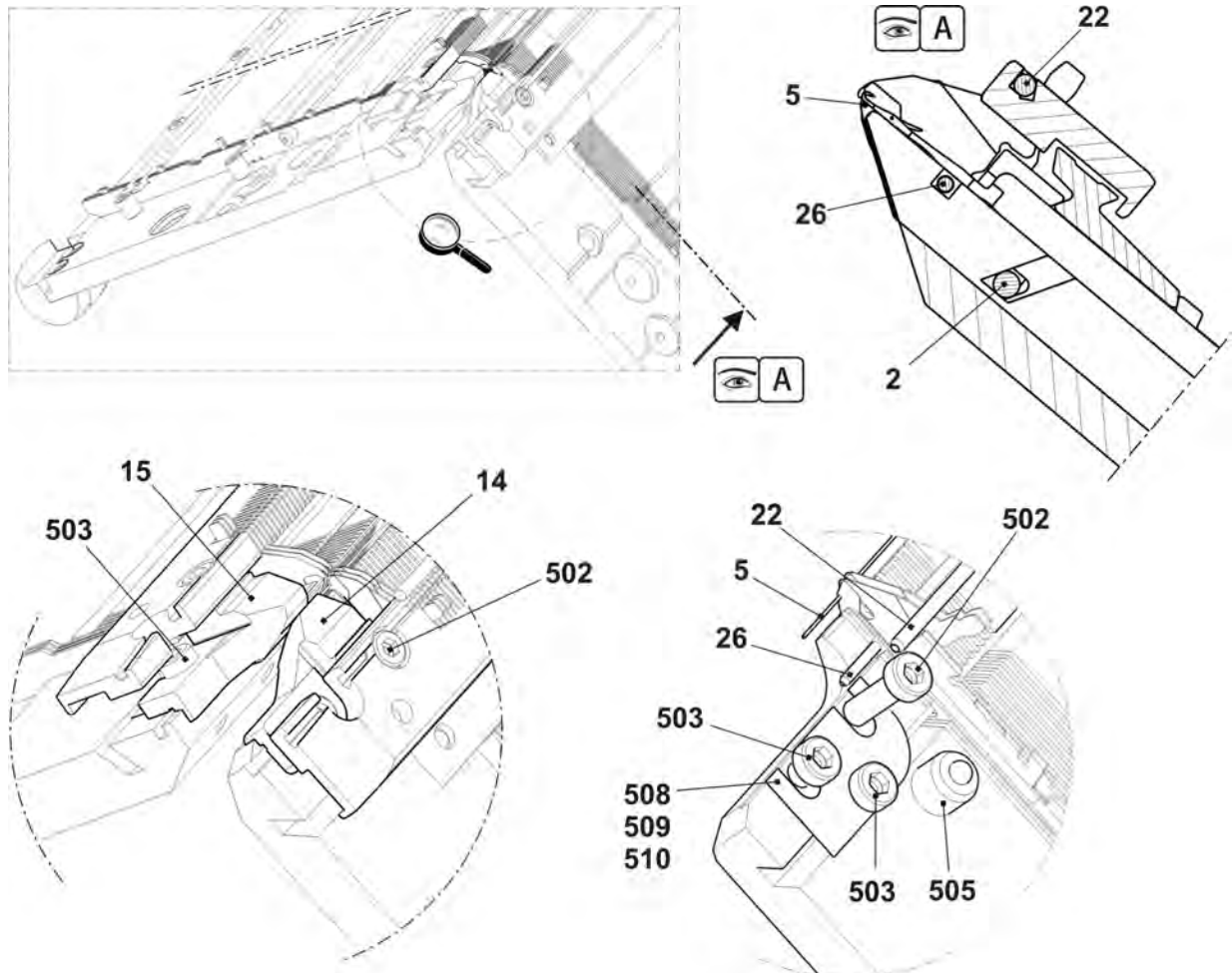
4.4 Needle bed E18

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E18	262 079			
1	Needle bed at the front + rear E18	262 078	20	Cover rail	213 762
3	Main trick wall E18	251 051	21	Cover rail	213 763
4	Pressure strip at the front E5-14	219 536	23	Support	241 339
6a	Needle E18	239 527	24	Bush	206 090
6b	Coupling part E16-20	253 384	26	Spring steel wire D=2,0 1287 mm	213 996
7	Pressure strip at the rear E5-14	219 537	27	Pressure strip at the rear on the right E16 – E20	223 042
8	Intermediate slider with brake E16-18	255 537	28	Stop screw	235 244
9	Selection jack E16-20	222 265	500	Cap screw M6x14	022 658
10	Holding-down jack bed at the rear E18	240 451	501	Cap screw M5x8	023 379
11	Holding-down jack bed at the front E18	240 434	502	Cap screw M5x22	023 193
12	Knock-over bit wire position 0,8 mm	263 927	504	Setscrew M3,5x3-1	020 512
13	Holding-down jack E18	264 107	40*	Disk brush	235 612
16	Needle bar on the left	213 998	41*	Container disk brush	233 012
17	Needle bar on the right	213 999	42*	Disk brush	202 600
18	Cover rail at the rear	213 981	43*	Adjusting bolt	240 765
19	Cover rail at the front E18	220 745	540*	Cap screw M5x12	020 032



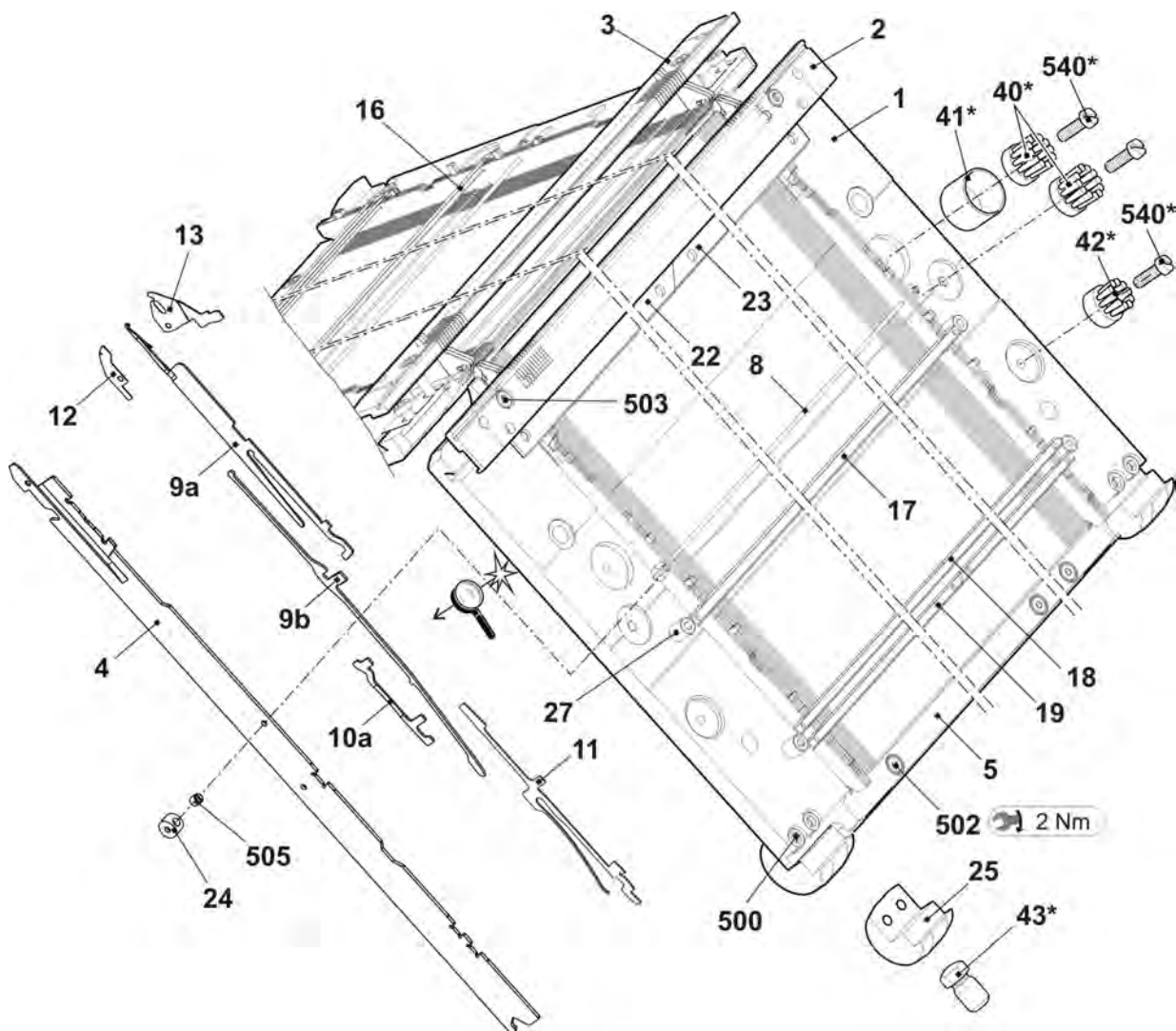
4.4.1 Continuation needle bed E18

Pos	Designation	Id	Pos	Designation	Id
2	Locating wire $\varnothing 3,4$	213 995	502	Cap screw M5x22	023 193
5	Spring steel wire $\varnothing 0,5$	220 759	503	Cap screw M5x12-8.8	022 943
14	Limiter on the left E16-20	220 821	505	Springy thrust piece	023 177
15	Limiter on the right E16-20	220 822	508	Shim0,05x18,5x34	023 196
22	Locating wire $\varnothing 2,8$	223 922	509	Shim0,1x18,5x34	023 197
26	Spring steel wire $\varnothing 2,0$	213 996	510	Shim0,2X18,5X34	023 253



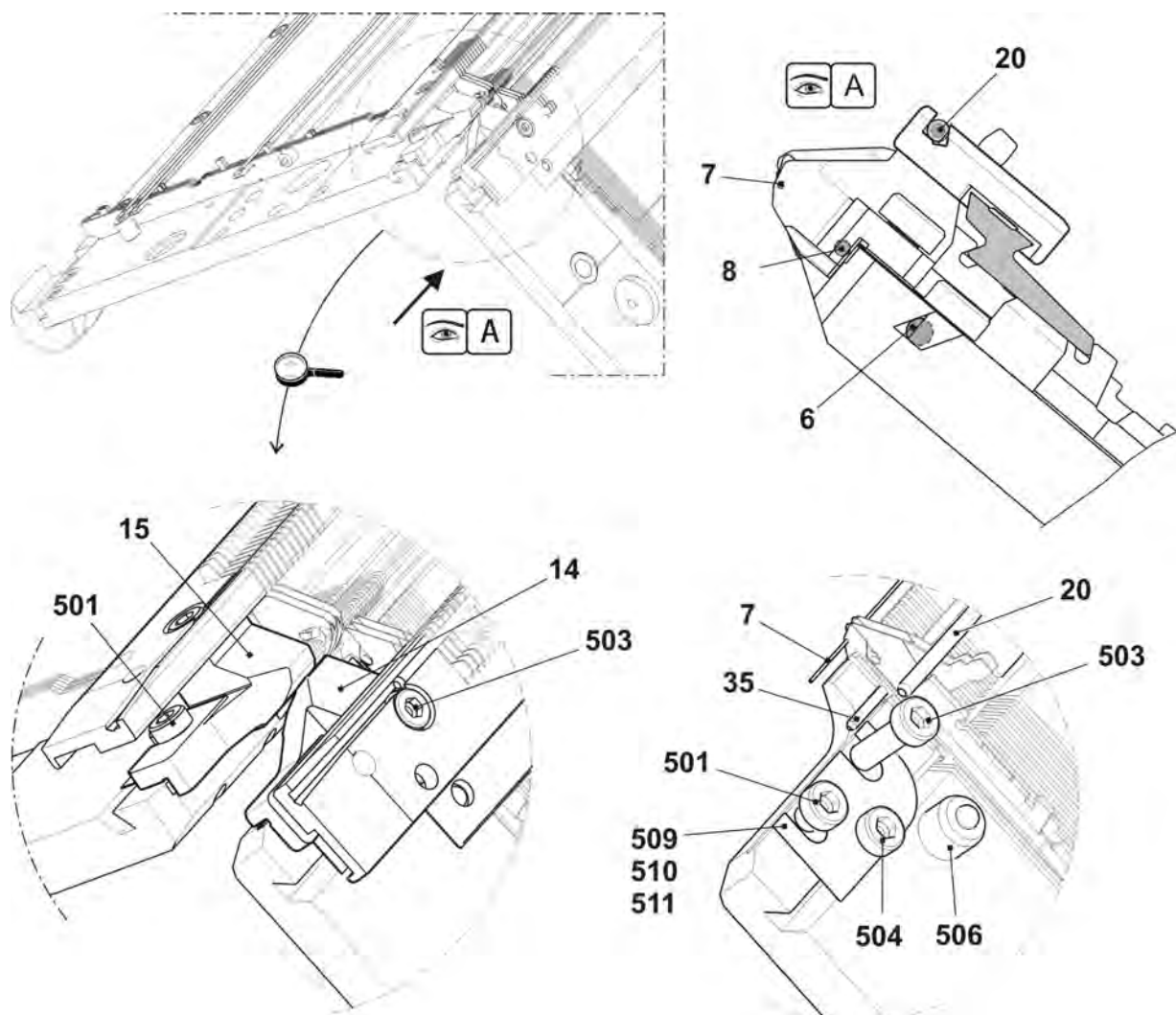
4.5 Needle bed E7.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7.2	259 175			
1	Needle bed at the front and rear E14	257 963	19	Cover rail	213 763
2	Holding-down jack bed at the rear E7.2	240 456	22	Needle bar on the left	213 998
3	Holding-down jack bed at the front E7.2	240 439	23	Needle bar on the right	213 999
4	Main trick wall E14	260 344	25	Support	241 339
5	Pressure slide E10-14	213 919	24	Bush	206 090
8	Spring steel wire $\varnothing 2,0$	213 996	27	Stop screw	235 244
9a	Needle E7.2 vosa special 112.70-62	225 230	500	Cap screw M6x14	022 658
9b	Coupling part E14	253 383	502	Cap screw M5x8	023 379
10a	Intermediate slider with brake E14	255 536	503	Cap screw M5x22	023 193
11	Selection jack with spring E14	224 725	505	Setscrew M3,5x3	020 512
12	Knock-over bit E14	209 649	40*	Disk brush	235 612
13	Holding-down jack trick wall E7.2	258 396	41*	Container disk brush	233 012
16	Cover rail at the rear	213 981	42*	Disk brush	202 600
17	Cover rail at the front E14	214 038	43*	Adjusting bolt	240 765
18	Cover rail	213 762	540*	Cap screw M5x12	020 032



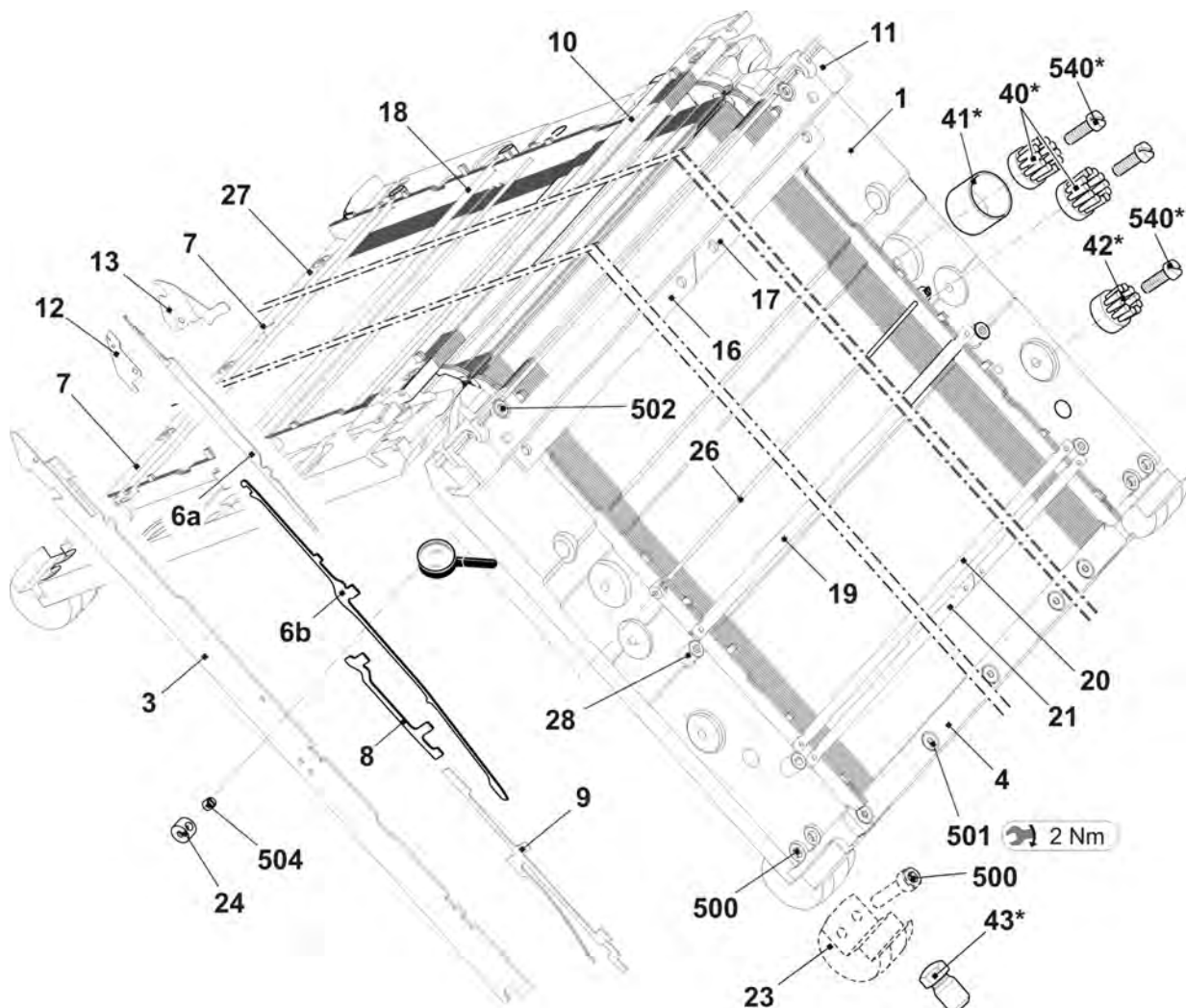
4.5.1 Continuation needle bed E7.2

Pos	Designation	Id	Pos	Designation	Id
6	Locating wire $\varnothing 3,4$	213 995	503	Cap screw M5x22	023 193
7	Spring steel wire $\varnothing 0,6$	213 990	504	Cap screw M5x12	022 943
8	Spring steel wire $\varnothing 2,0$	213 996	506	Springy thrust piece	023 177
14	Limiter on the left E10-14	205 764	509	Shim0,05x18,5x34	023 196
15	Limiter on the right E10-14	205 765	510	Shim0,1x18,5x34	023 197
20	Locating wire $\varnothing 2,8$	213 983	511	Shim0,2x18,5x34	023 253
501	Cap screw M5x8	023 154			



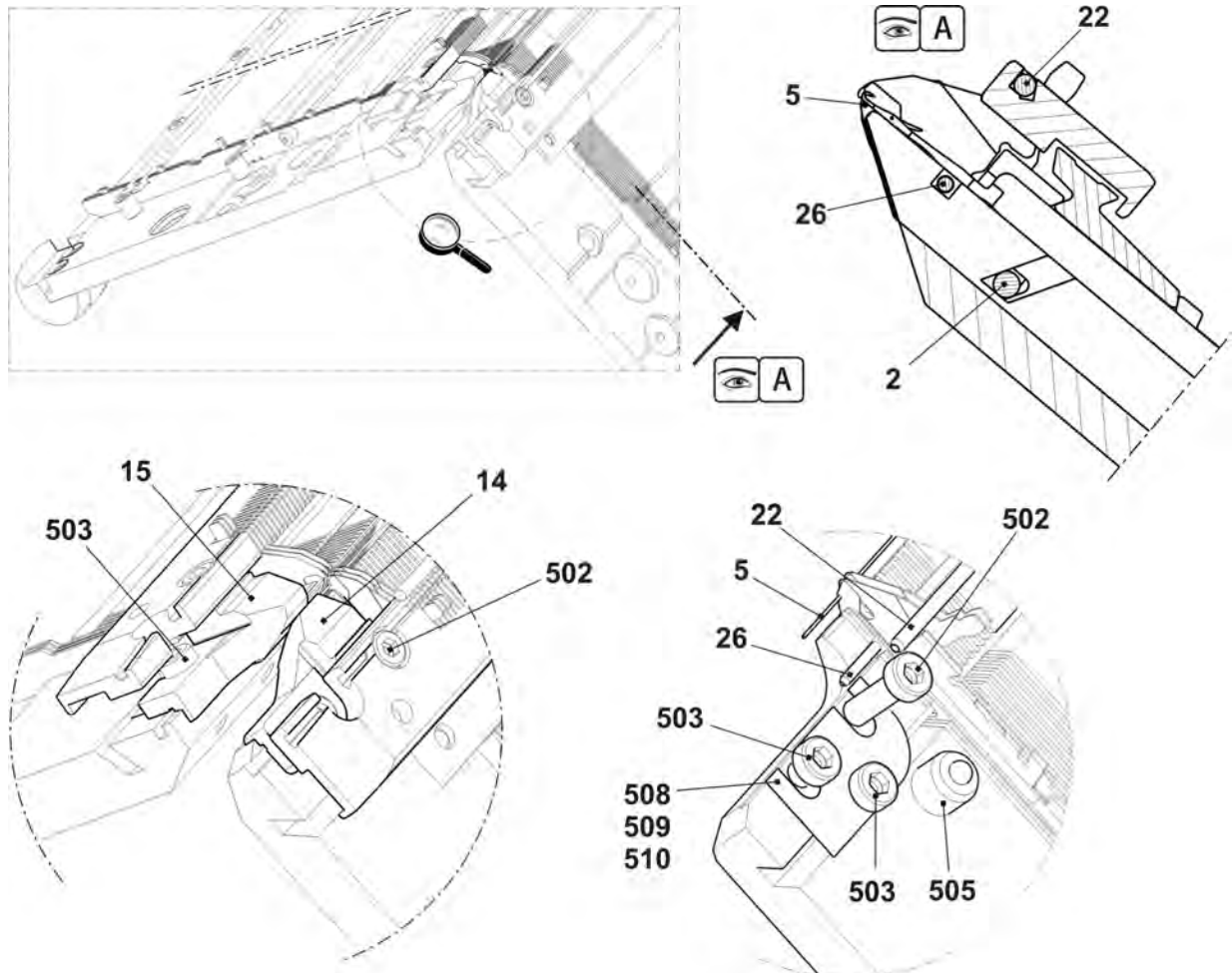
4.6 Needle bed E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rearE8.2	263 807			
1	Needle bed at the front + rearE16	262 076	20	Cover rail	213 762
3	Main trick wall E16	245 319	21	Cover rail	213 763
4	Pressure strip at the front E5-14	219 536	23	Support	241 339
6a	Needle E18/14	240 026	24	Bush	206 090
6b	Coupling part E16-20	253 384	26	Spring steel wire ø2,0	213 996
7	Pressure strip at the rear E5-14	219 537	27	Pressure strip at the rear on the right E16-20	223 042
8	Intermediate slider with brake E16-18	255 537	28	Stop screw	235 244
9	Selection jack E16 with selector spring	222 265	40*	Disk brush	235 612
10	Holding-down jack bed at the rear E16	240 450	41*	Container disk brush	233 012
11	Holding-down jack bed at the front E16	240 433	42*	Disk brush	202 600
12	Knock-over bit wire position 0,8 mm E8.2	261 865	43*	Adjusting bolt	240 765
13	Holding-down jack E16	264 106	540*	Cap screw M5x12	020 032
16	Needle bar on the left	213 998	503	Cap screw M6x14	022 658
17	Needle bar on the right	213 999	506	Cap screw M4-M5x8	023 379
18	Cover rail at the rear	213 981	507	Cap screw M5x22	023 193
19	Cover rail at the front E16	222 531	509	Setscrew M3,5x3-1	020 512



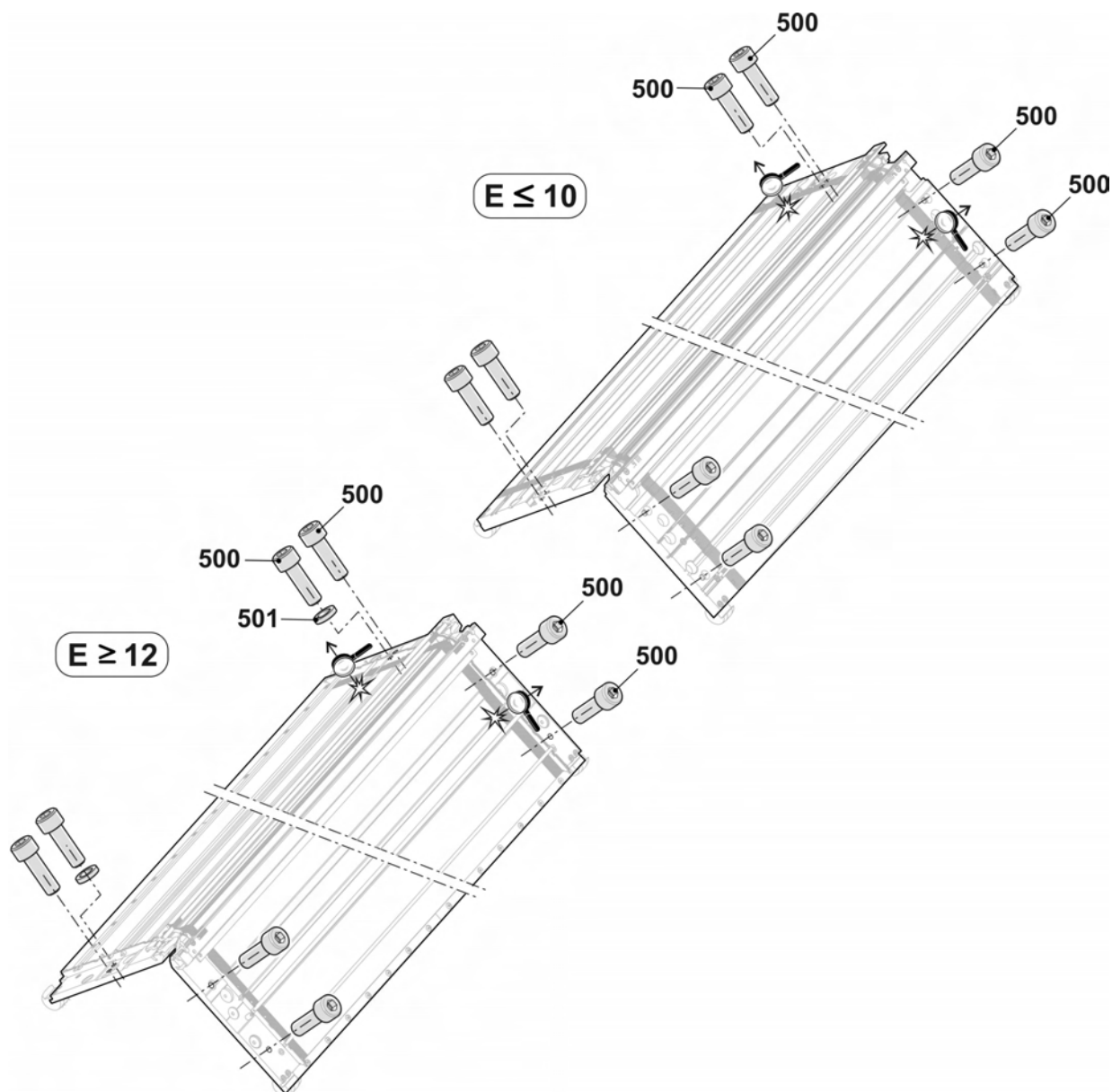
4.6.1 Continuation needle bed E8.2

Pos	Designation	Id	Pos	Designation	Id
2	Locating wire $\varnothing 3,4$	213 995	502	Cap screw M5x22	023 193
5	Spring steel wire $\varnothing 0,5$	220 759	503	Cap screw M5x12-8.8	022 943
14	Limiter on the left E16-20	220 821	505	Springy thrust piece	023 177
15	Limiter on the right E16-20	220 822	508	Shim0,05x18,5x34	023 196
22	Locating wire $\varnothing 2,8$	223 922	509	Shim0,1x18,5x34	023 197
26	Spring steel wire $\varnothing 2,0$	213 996	510	Shim0,2X18,5X34	023 253



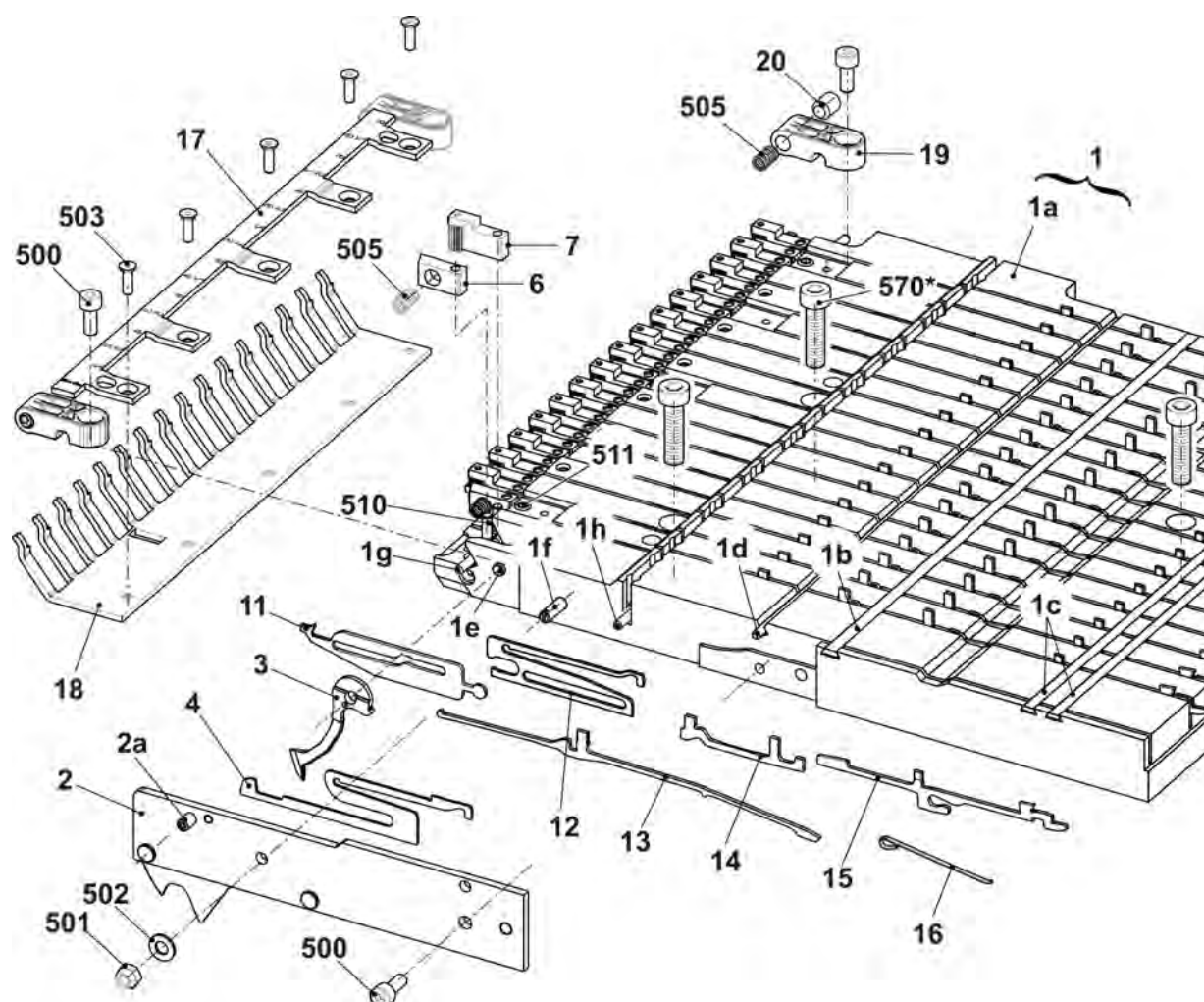
4.7 Needle beds, fixing elements

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



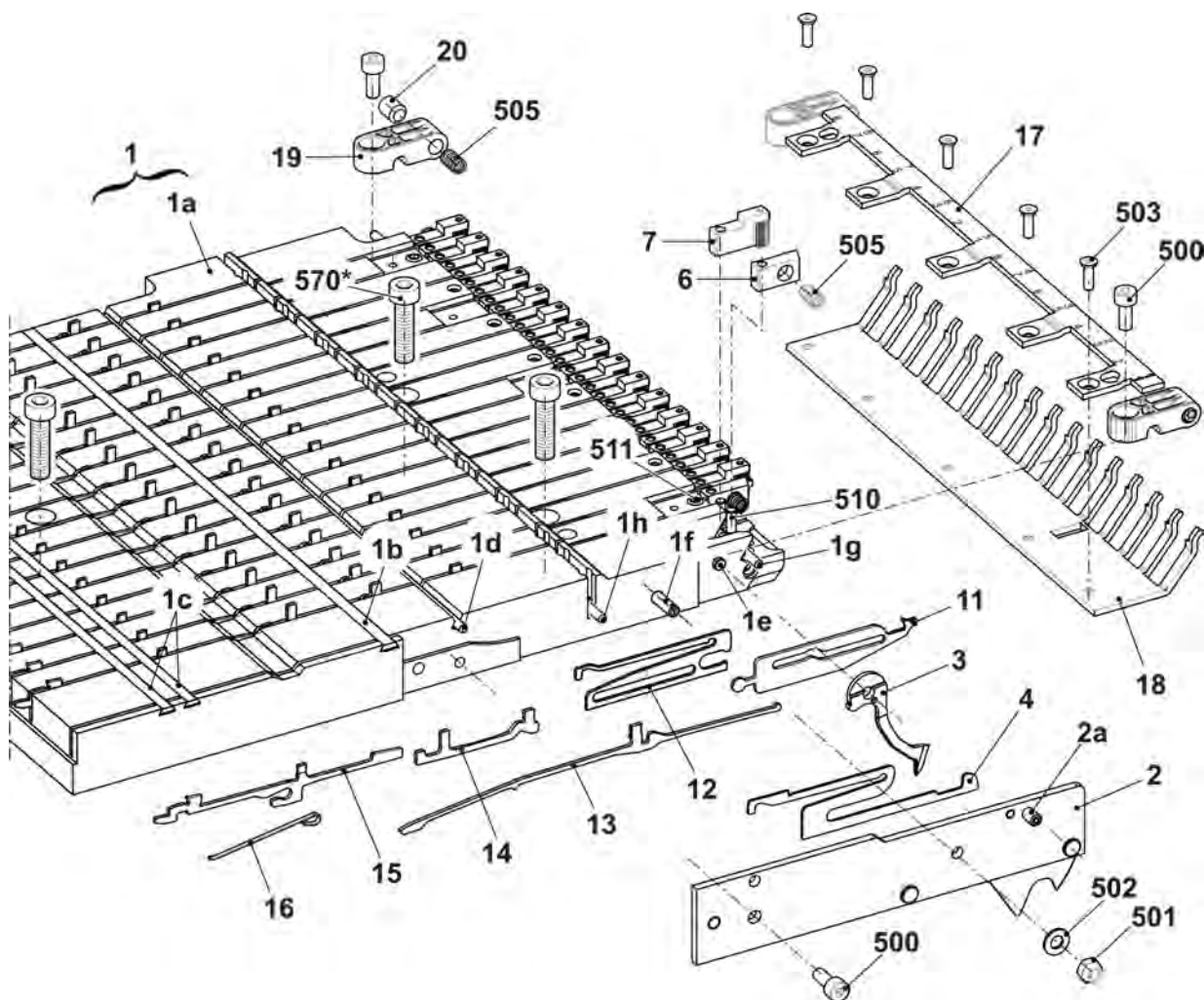
4.8 Right clamping and cutting bed E10|E12|E14|E7.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Clamping and cutting bed on the right E10-14	253 681	7	Clamp on the right complete	244 602
1	Guide plate EPT on the right E5-14	257 235	11	Catch needle on the right E10-14	244 592
1a	Guide plate on the right E5-14	257 231	12	Intermediate part E10-14	244 591
1b	Cover rail	243 923	13	Coupling part E5-8	253 381
1c	Cover rail	243 924	14	Intermediate slider with brake E5-8	255 534
1d	Locating wire	243 925	15	Selection jack E4-8	200 687
1e	Axle	257 201	16	Selector spring E4-8	200 690
1f	Guide pin	211 351	17	Holding strip on the right	256 995
1g	Locating wire	215 927	18	Deflector plate on the right	255 555
1h	Locating wire	244 589	19	Spring holder	255 724
510	Dowel pin 3x14	252 771	20	Threaded bolt	255 723
511	Setscrew M5x5	236 061	500	Cap screw M4x10	023 136
2	Cover on the right complete E5-14	260 966	501	Hexagon nut M4	023 046
2a	Springy thrust piece N4	260 235	502	Washer 4	020 870
3	Catch hook on the right complete E5-14	260 968	503	Pan-head screw M3x10	242 029
4	Slider E5-14	258 050	505	Compression spring 07x4,3x12,1	023 521
6	Blade	243 948	570*	Cap screw M6x20	244 824



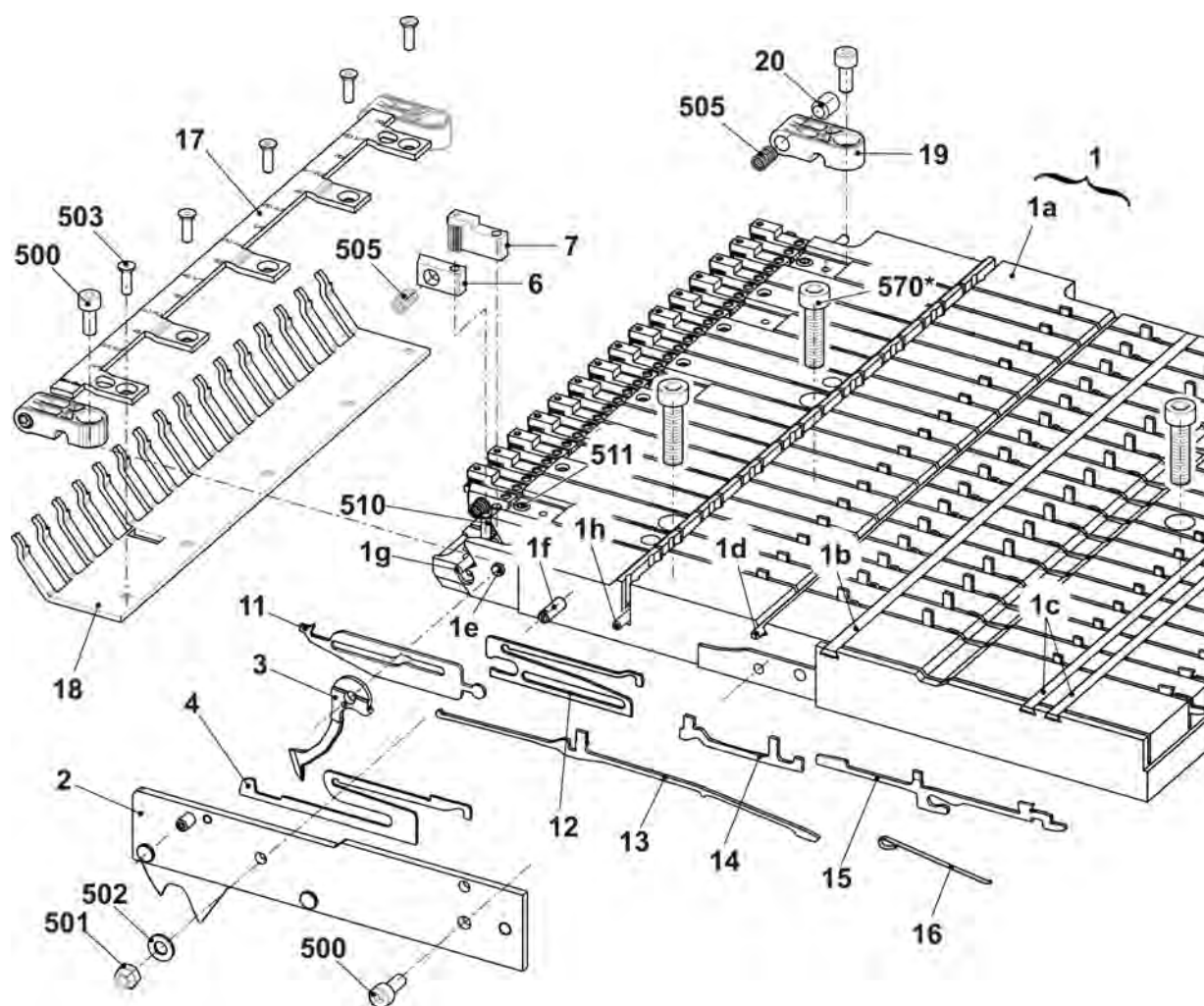
4.9 Left clamping and cutting bed E10|E12|E14|E7.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Left clamping and cutting bed E10-14	253 682	7	Clamp on the left complete	244 633
1	Guide plate EPT on the left E5-14	257 236	11	Catch needle on the left E5-14	244 630
1a	Guide plate on the left E10-14	257 232	12	Intermediate part E10-14	244 591
1b	Cover rail	243 923	13	Coupling part E5-8	253 381
1c	Cover rail	243 924	14	Intermediate slider with brake E5-8	255 534
1d	Locating wire	243 925	15	Selection jack E4-8	200 687
1e	Axle	257 201	16	Selector spring E4-8	200 690
1f	Guide pin	211 351	17	Holding strip on the left	256 996
1g	Locating wire	215 927	18	Deflector plate on the left	255 556
1h	Locating wire	244 589	19	Spring holder	255 724
510	Dowel pin 3x14	252 771	20	Threaded bolt	255 723
511	Setscrew M5x5	236 061	500	Cap screw M4x10	023 136
2	Cover on the left complete E5-14	260 967	501	Hexagon nut M4	023 046
2a	Springy thrust piece N4	260 235	502	Washer 4	020 870
3	Catch hook on the left E5-14	260 969	503	Pan-head screw M3x10	242 029
4	Slider E5-14	258 050	505	Compression spring 07x4,3x12,1	023 521
6	Blade	243 948	570*	Cap screw M6x20	244 824



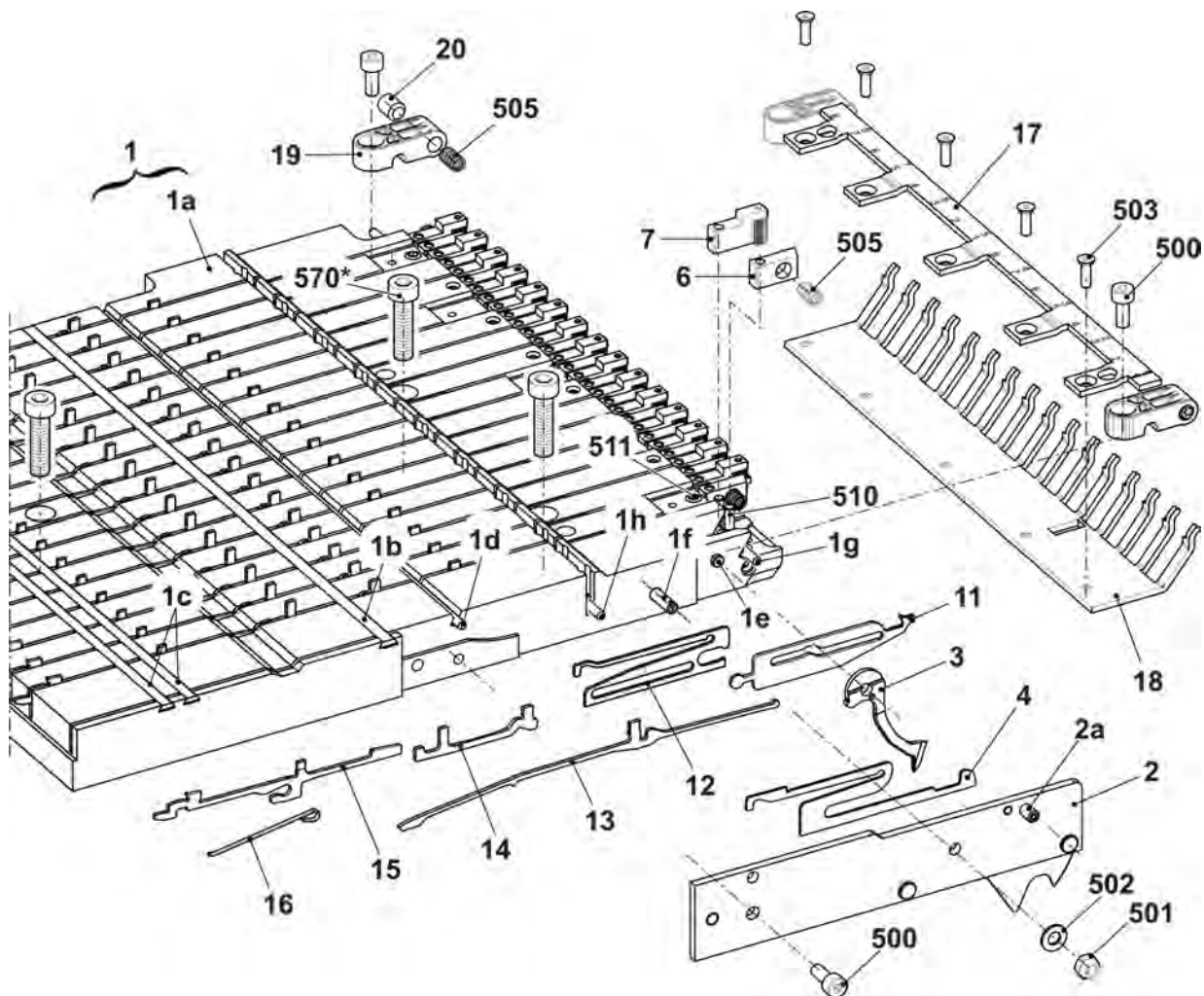
4.10 Right clamping and cutting bed E16|E18|E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Clamping and cutting bed on the right E16-18	253 683	7	Clamp on the right complete	244 602
1	Guide plate EPT on the right E3	257 237	11	Catch needle on the right E16-18	244 739
1a	Guide plate on the right E3	257 233	12	Intermediate part	244 741
1b	Cover rail	243 923	13	Coupling part E10-12	253 382
1c	Cover rail	243 924	14	Intermediate slider with brake E10-12	255 535
1d	Locating wire	243 925	15	Selection jack E10-12	200 688
1e	Axle	257 201	16	Selector spring E10-12	200 691
1f	Guide pin	211 351	17	Holding strip on the right	256 995
1g	Locating wire	215 927	18	Deflector plate on the right	255 555
1h	Locating wire	244 589	19	Spring holder	255 724
510	Dowel pin 3x14	252 771	20	Threaded bolt	255 723
511	Setscrew M5x5	236 061	500	Cap screw M4x10	023 136
2	Cover on the right complete E16-18	259 406	501	Hexagon nut M4	023 046
2a	Springy thrust piece N4	260 235	502	Washer 4	020 870
3	Catch hook on the right complete E16-18	259 310	503	Pan-head screw M3x10	242 029
4	Slider E16-18	259 309	505	Compression spring 07x4,3x12,1	023 521
6	Blade	243 948	570*	Cap screw M6x20	244 824

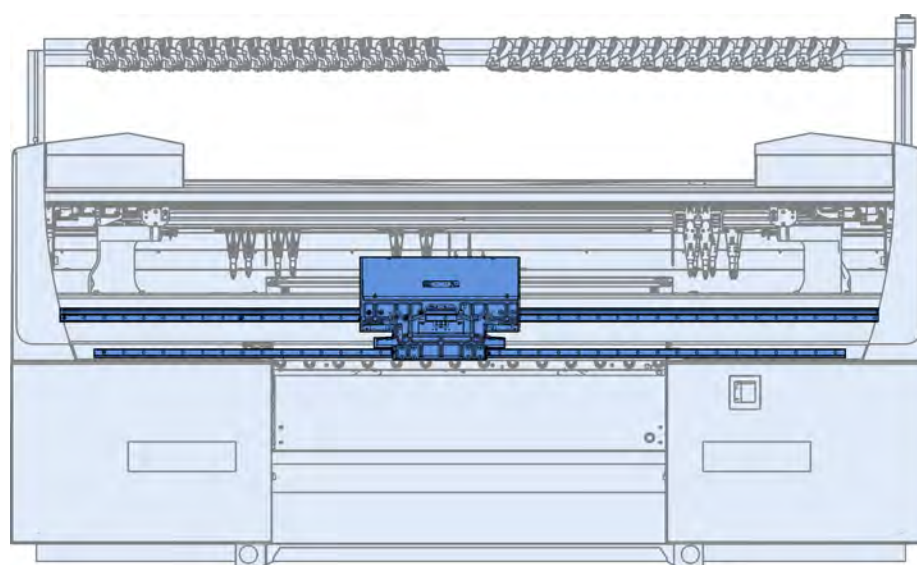


4.11 Left clamping and cutting bed E16|E18|E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Left clamping and cutting bed E16-18	253 684	7	Clamp on the left complete	244 633
1	Guide plate EPT on the left E16-18	257 238	11	Catch needle on the left E16-18	244 740
1a	Guide plate on the left E16-18	257 234	12	Intermediate part	244 741
1b	Cover rail	243 923	13	Coupling part E10-12	253 382
1c	Cover rail	243 924	14	Intermediate slider with brake E10-12	255 535
1d	Locating wire	243 925	15	Selection jack E10-12	200 688
1e	Axle	257 201	16	Selector spring E10-12	200 691
1f	Guide pin	211 351	17	Holding strip on the left	256 996
1g	Locating wire	215 927	18	Deflector plate on the left	255 556
1h	Locating wire	244 589	19	Spring holder	255 724
510	Dowel pin 3x14	252 771	20	Threaded bolt	255 723
511	Setscrew M5x5	236 061	500	Cap screw M4x10	023 136
2	Cover on the left complete E16-18	259 407	501	Hexagon nut M4	023 046
2a	Springy thrust piece N4	260 235	502	Washer 4	020 870
3	Catch hook on the left E16-18	259 311	503	Pan-head screw M3x10	242 029
4	Slider E16-18	259 309	505	Compression spring 07x4,3x12,1	023 521
6	Blade	243 948	570*	Cap screw M6x20	244 824

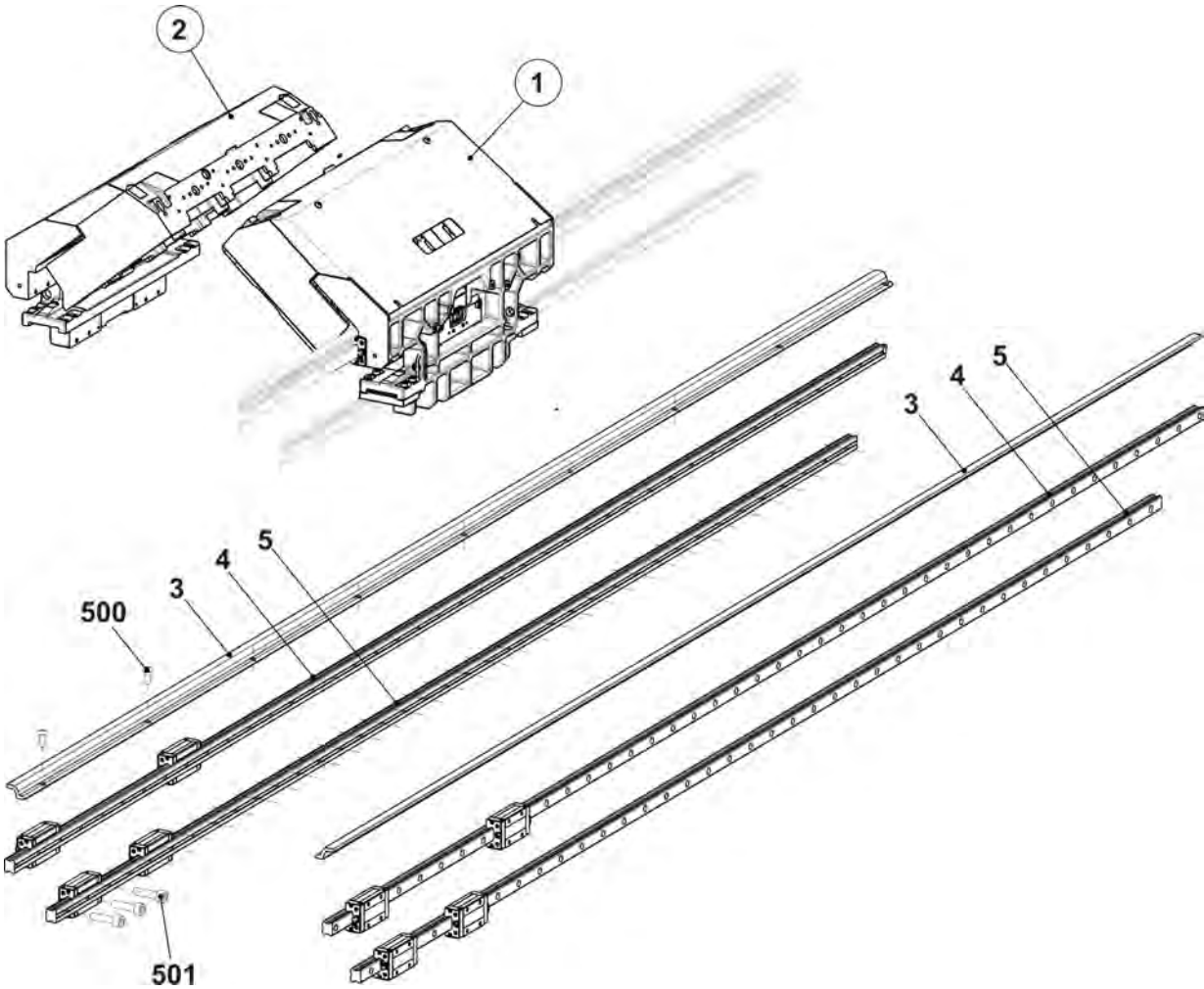


5 Carriage



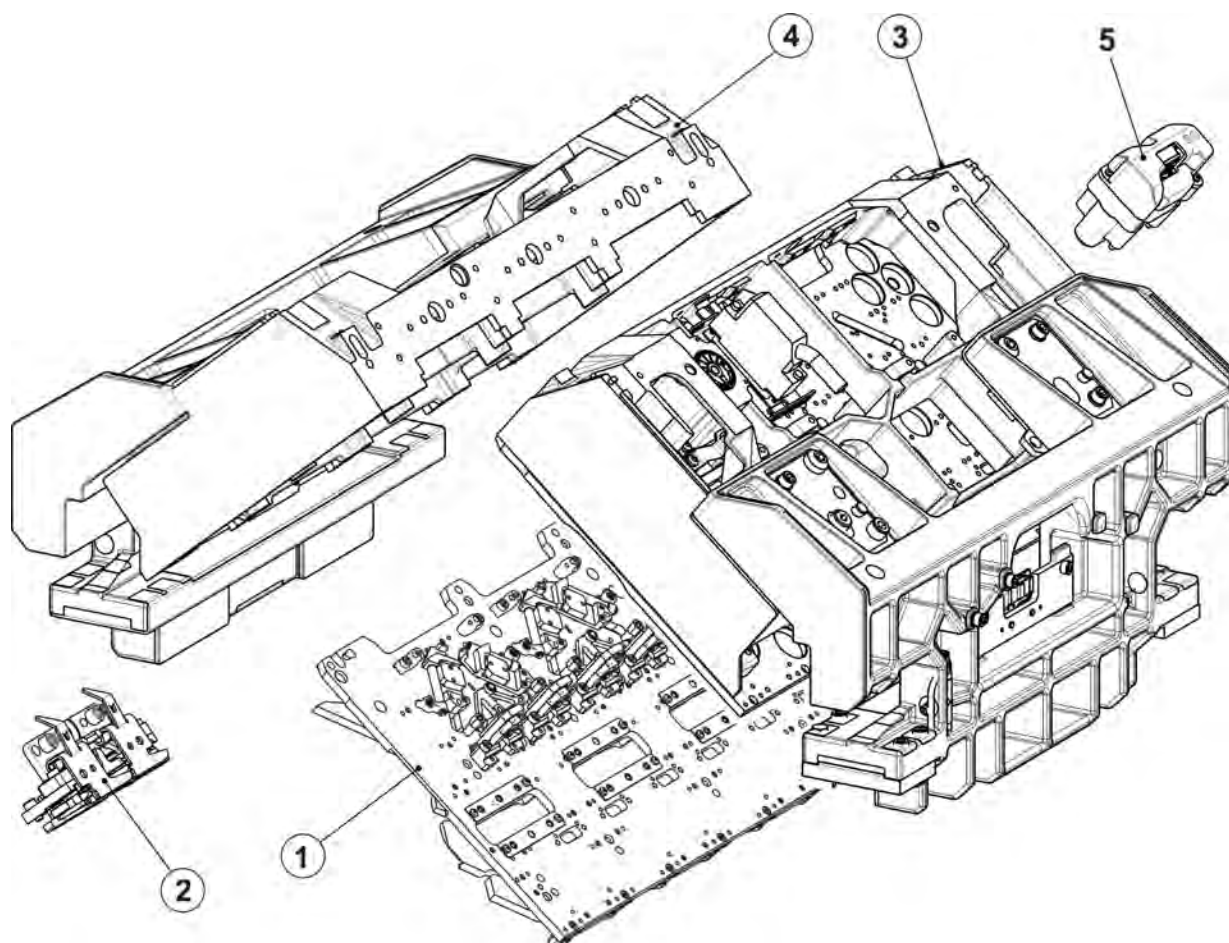
5.1 Carriage and linear guidance

Pos	Designation	ID	Pos	Designation	ID
1	Front carriage completeE12	263 791	2	Rear carriage completeE12	263 792
	Front carriage completeE14	258 144		Rear carriage completeE14	258 145
	Front carriage completeE16 E18	263 793		Rear carriage completeE16 E18	263 794
	Front carriage completeE7.2	259 814		Rear carriage completeE7.2	259 815
	Front carriage completeE8.2	263 795		Rear carriage completeE8.2	263 796
3	Cover strip for linear guidance	262 985	500	Pan-head screw M4x10	023 450
4	Linear guidance LG = 2480	258 045	501	Cap screw M5x20	258 909
5	Linear guidance LG = 2280	258 044			



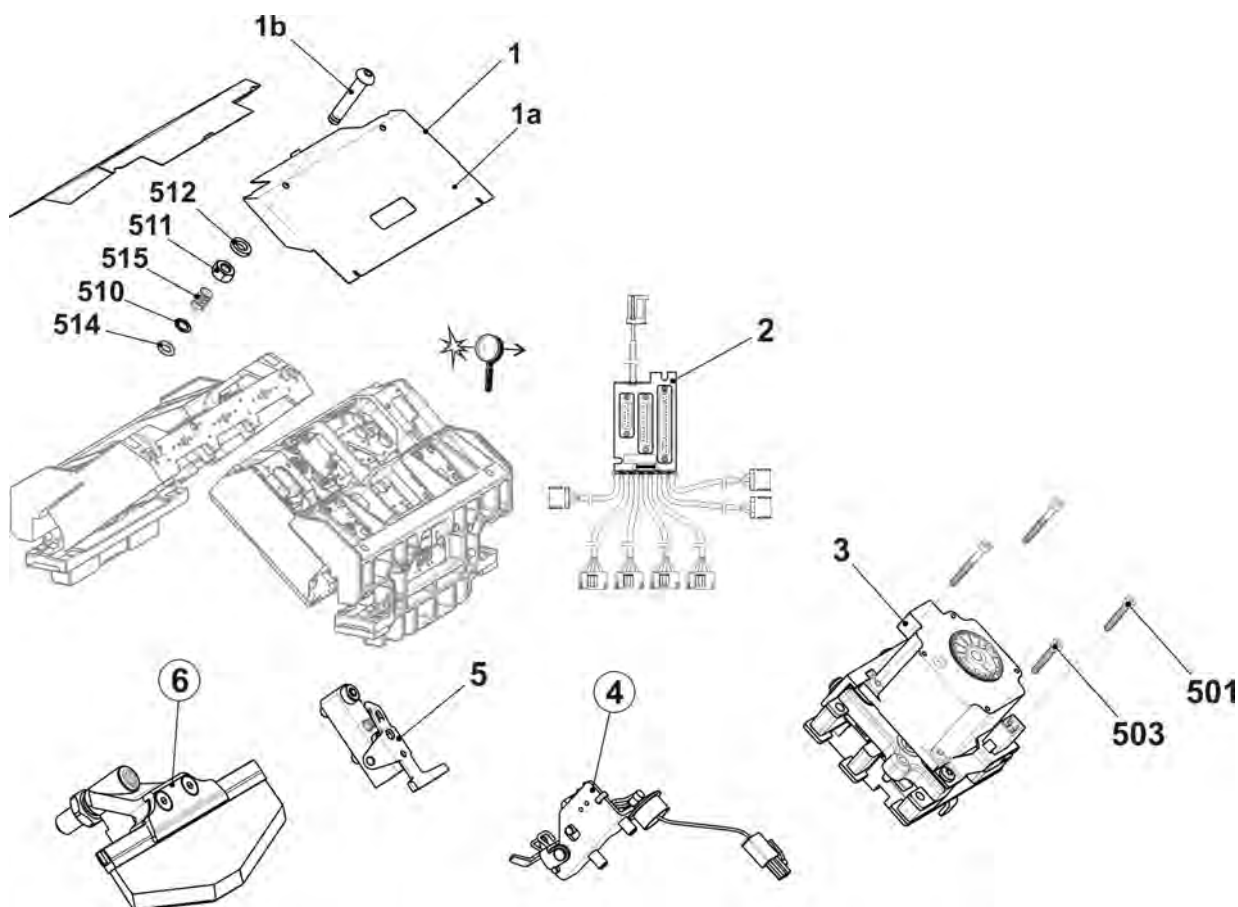
5.2 Carriage front and rear

Pos	Designation	ID	Pos	Designation	ID
1	Cam box complete E12	259 240	2	Holding-down jack control complete E7.2	259 629
	Cam box complete E14	259 241		Holding-down jack control complete E8.2	259 630
	Cam box complete E16 E18	259 242	3	Front carriage assembly 3 cam boxes complete	258 146
	Cam box complete E7.2	259 245	4	Rear carriage assembly 3 cam boxes complete	258 147
	Cam box complete E8.2	259 246	5	Selection system complete E10-12	216 219
2	Holding-down jack control complete E12-14	259 627		Selection system complete E14	229 300
	Holding-down jack control complete E16-18	259 628		Selection system complete E16-20	220 114



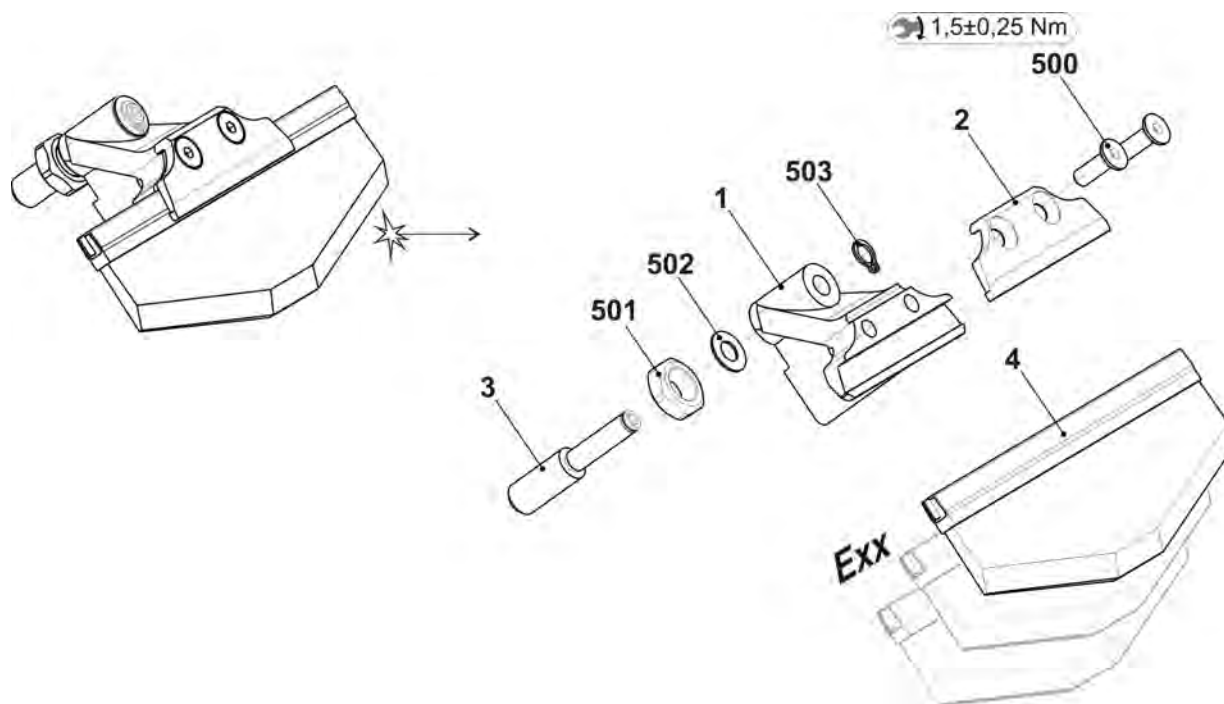
5.3 Continuation of carriage parts

Pos	Designation	ID	Pos	Designation	ID
1	Front and rear carriage cover complete	262 202			
1a	Carriage cover ADF	257 974	2	Distributor 3 cam box	257 913
1b	Locating bolt ADF	259 667	3	Motor unit ATM complete	251 827
510	Washer 6,1x9x0,5	023 554	4	Needle detector pre-assembled E10-18	256 475
511	Hexagon nut M6	022 899	5	Sinker opener complete	256 623
512	Serrated lock washer J 6,4	022 385	6	Brush holder complete	252 749
514	O-ring 3x2	242 420	501	Cap screw M4x35	023 550
515	Compression spring 0,48x7,02x17,29	023 654	513	Cap screw M4x20	023 171



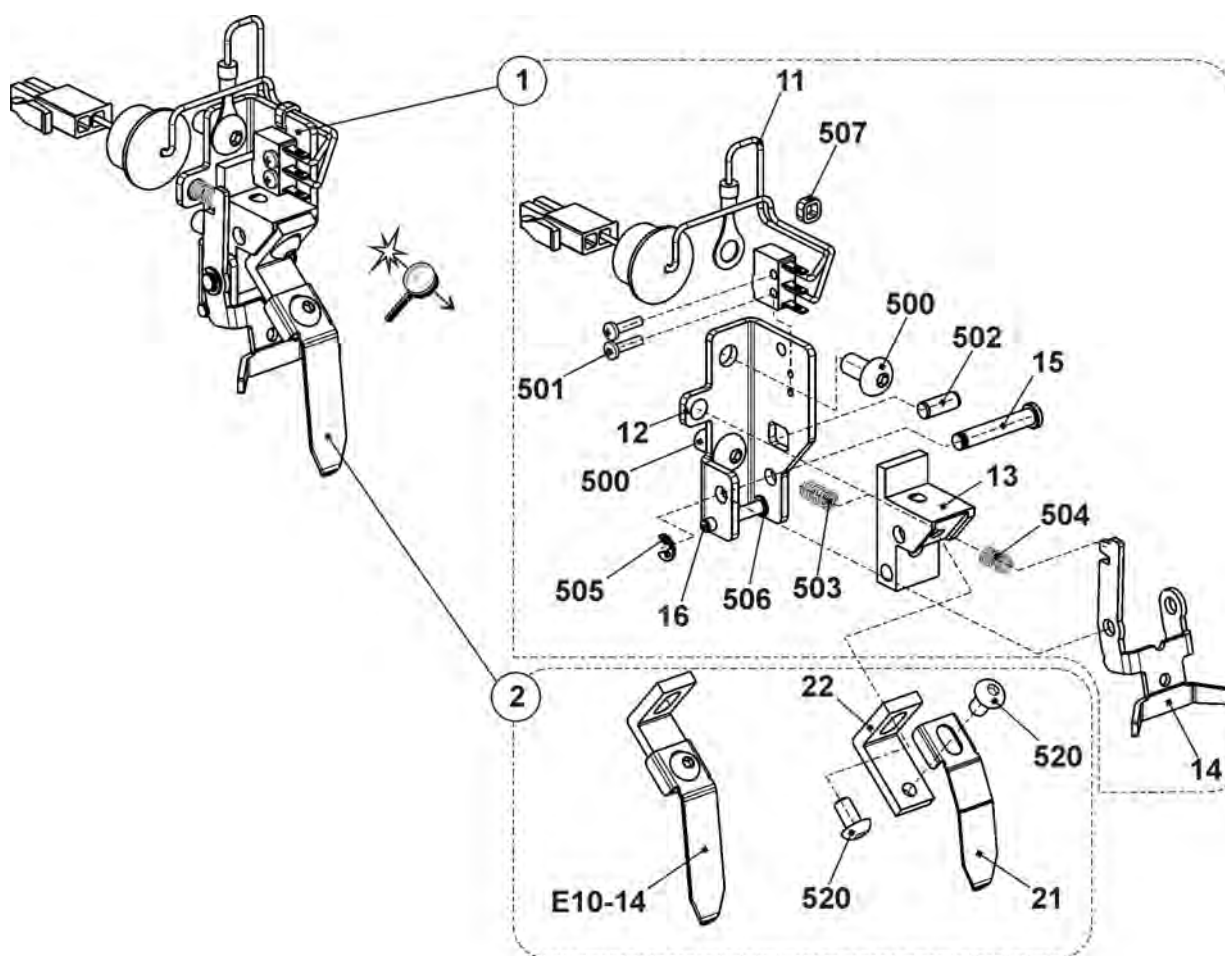
5.4 Brush holder

Pos	Designation	ID	Pos	Designation	ID
Σ	Brush holder complete		4	Brush	
	E10 E12 E14 E14 E7.2	252 749		E10 E12 E14 E14 E7.2	243 074
	E16 E18	213 710		E16 E18	203 254
	E8.2	263 500		E8.2	260 502
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
			503	Retaining ring 5x0,6	023 347



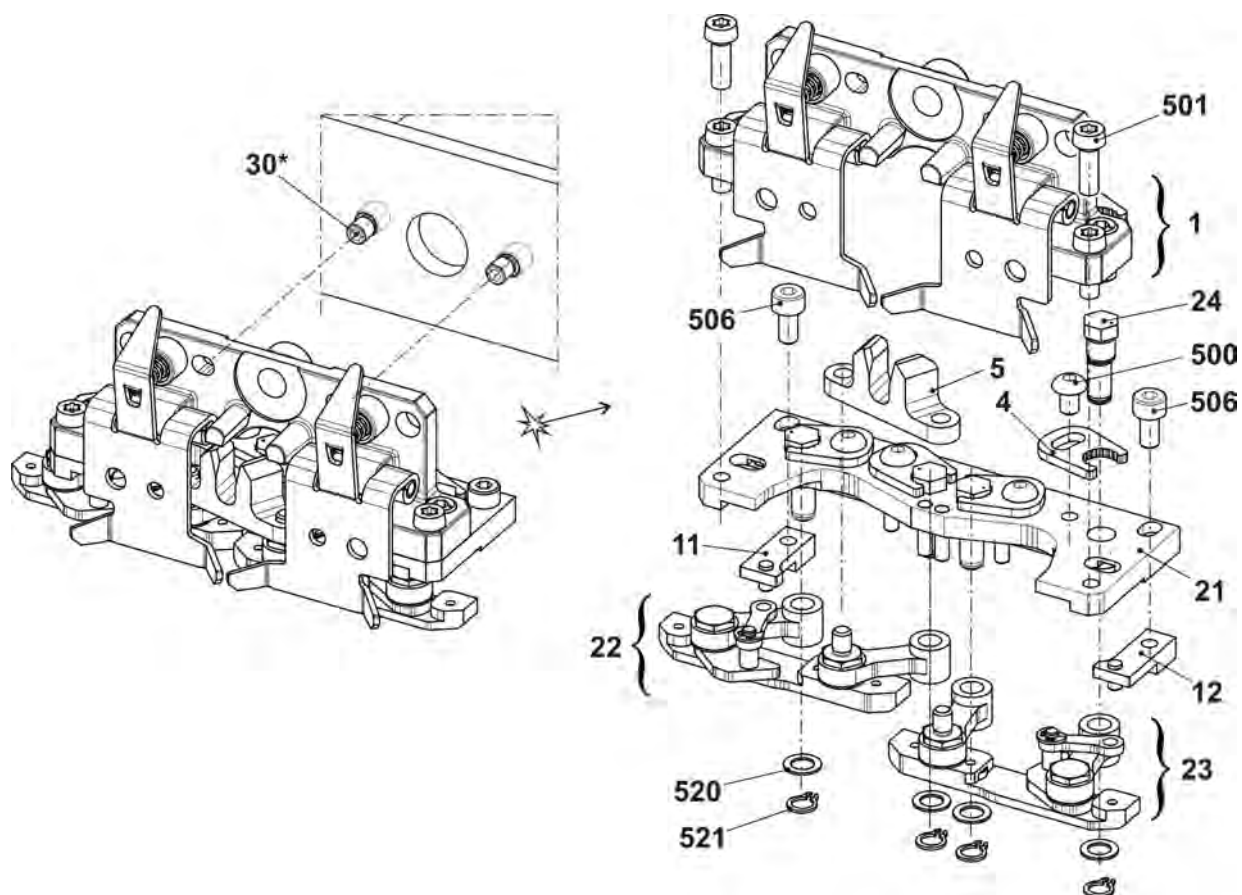
5.5 Needle detector

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle detector		504	Compression spring 0,4x4x11,2	256 952
1	Needle detector pre-assembled E10-18	256 475	505	Circlip	021 018
11	Cable of needle detector complete	261 856	506	Circlip	023 565
12	Retainer	256 476	507	Cable tape 92x2,4	008 378
13	Switch rocker	256 477	2	Sensor pre-assembled E12 E14 E7.2	256 454
14	Set-out plate	256 094	21	Sensor E12 E14 E7.2	255 758
15	Bolts	256 492	22	Angle	255 757
16	Stop bolt	256 493	520	Pan-head screw M4x6	023 427
500	Pan-head screw M5x10	023 247	2	Sensor pre-assembled E16 E18 E8.2	256 784
501	Pan-head screw M2x8	258 310	21	Sensor E16 E18 E8.2	255 759
502	Dowel pin 4x10-A-St	023 753	22	Angle	255 757
503	Compression spring 4,3x0,45x10	021 398	520	Pan-head screw M4x6	023 427



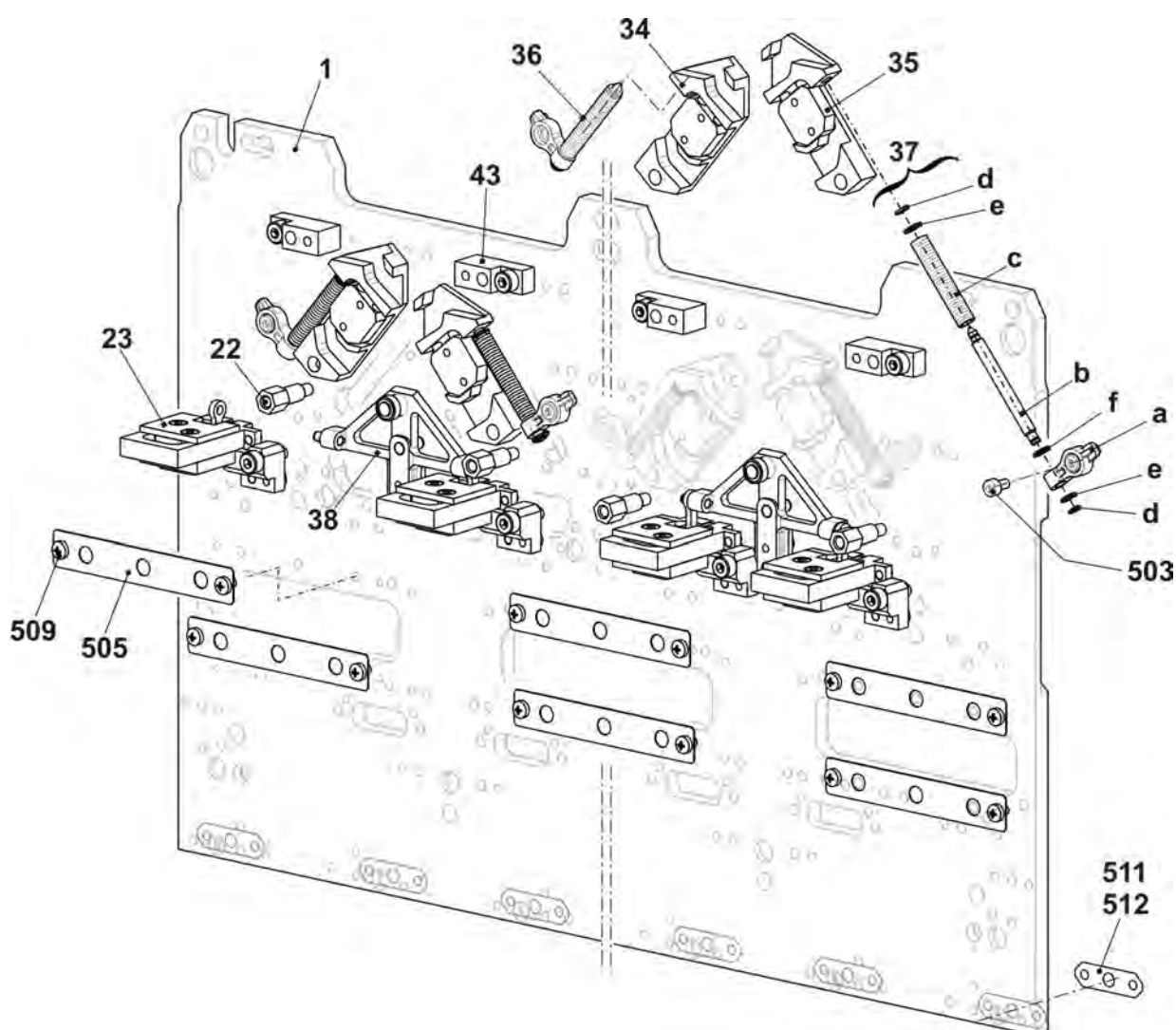
5.6 Holding-down jack control

Pos	Designation	Id	Pos	Designation	Id
Σ	Holding-down jack control complete		22	E7.2	256 394
	E12 E14	259 627		E8.2	256 395
	E16 E18	259 628	23	Slider on the left complete	
	E7.2	259 629		E12 E14	256 397
	E8.2	259 630		E16 E18	256 398
1	Assembly plate complete	256 311		E7.2	256 399
4	Adjusting plate	256 388		E8.2	256 400
5	Plunger	256 059	24	Bolts	209 722
11	Slider on the right	259 457	500	Pan-head screw M4x6	023 427
12	Slider on the left	259 456	501	Cap screw M4x12	241 859
21	Base plate	259 170	506	Cap screw M4x8	022 501
22	Slider on the right complete		520	Shim ring 5x8x0.5	256 371
	E12 E14	256 392	521	Retaining ring 5x0,6	023 347
	E16 E18	256 393	30*	Eccentric of holding-down jack control	256 994



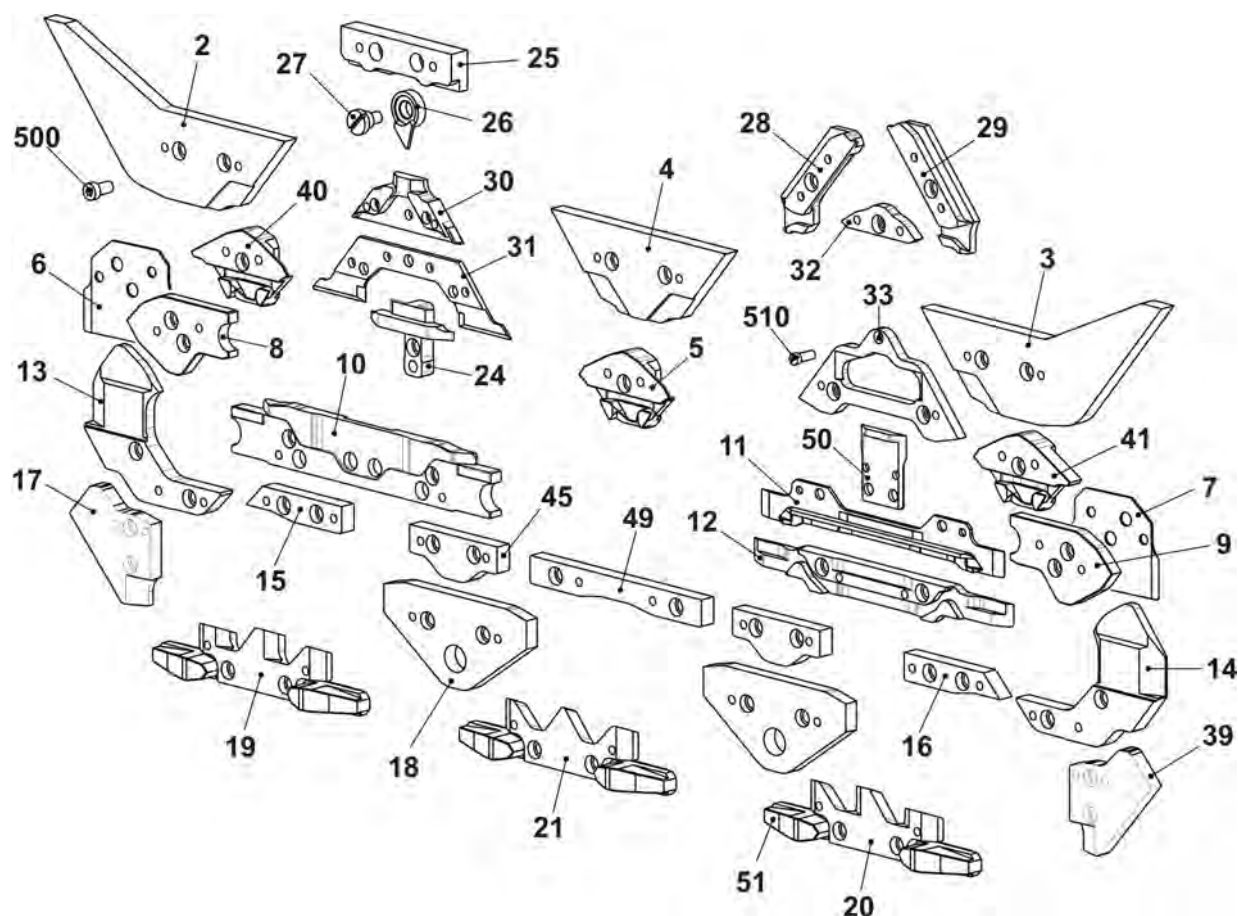
5.7 Cam box E12

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E12	259 240	37	d Circlip	023 565
1	Cam plate E10-18	258 159	e	Disk	259 647
22	Stay bolt	254 839	f	Washer	022 893
23	Guide of pressure cam complete	253 480	38	Slider pressure cam complete	251 834
34	Loop sinking cam on the left completeE12-14	254 248	43	Holding piece	251 828
35	Loop sinking cam on the right completeE12-14	254 249	503	Cap screw M3x6	022 589
36	Rod guide on the left complete	252 662	505	Shim0,5x12x75	236 654
37	Rod guide on the right complete	252 663	509	Pan-head screw M3x4	023 142
a	Rod guide part	258 148	511	Shim0,03x8x28	023 452
b	Spring rod	252 661	512	Shim0,05x8x28	023 020
c	Compression spring	257 082			



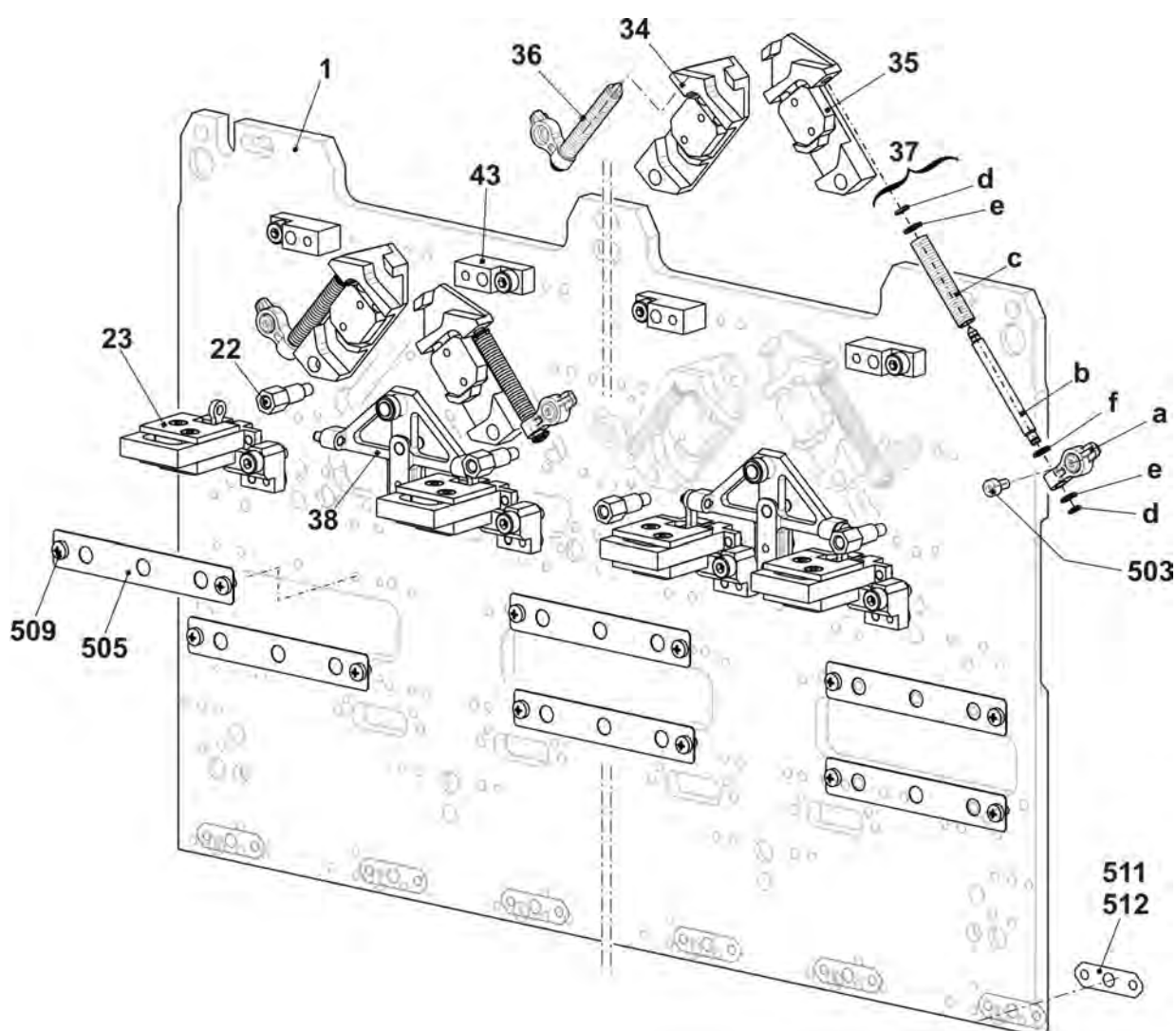
5.7.1 Cams E12

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	256 691	25	Limiting cam E12-14	252 522
4	Entry cam at the top E10-18	256 689	26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E12-14	254 298
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540	32	Receiving cam E10 E12	251 997
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E10 E12	254 334
12	Cam guide E10-18	255 541		Raising cam with split-stitch E10 E12	254 335
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left E10-18	251 886	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right E10-18	251 887	45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768	49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152	50	Transfer pressure cam	253 838
19	Selection cam on the left E10-18	251 876	51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877	500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875	510	Cap screw M3x8	020 081



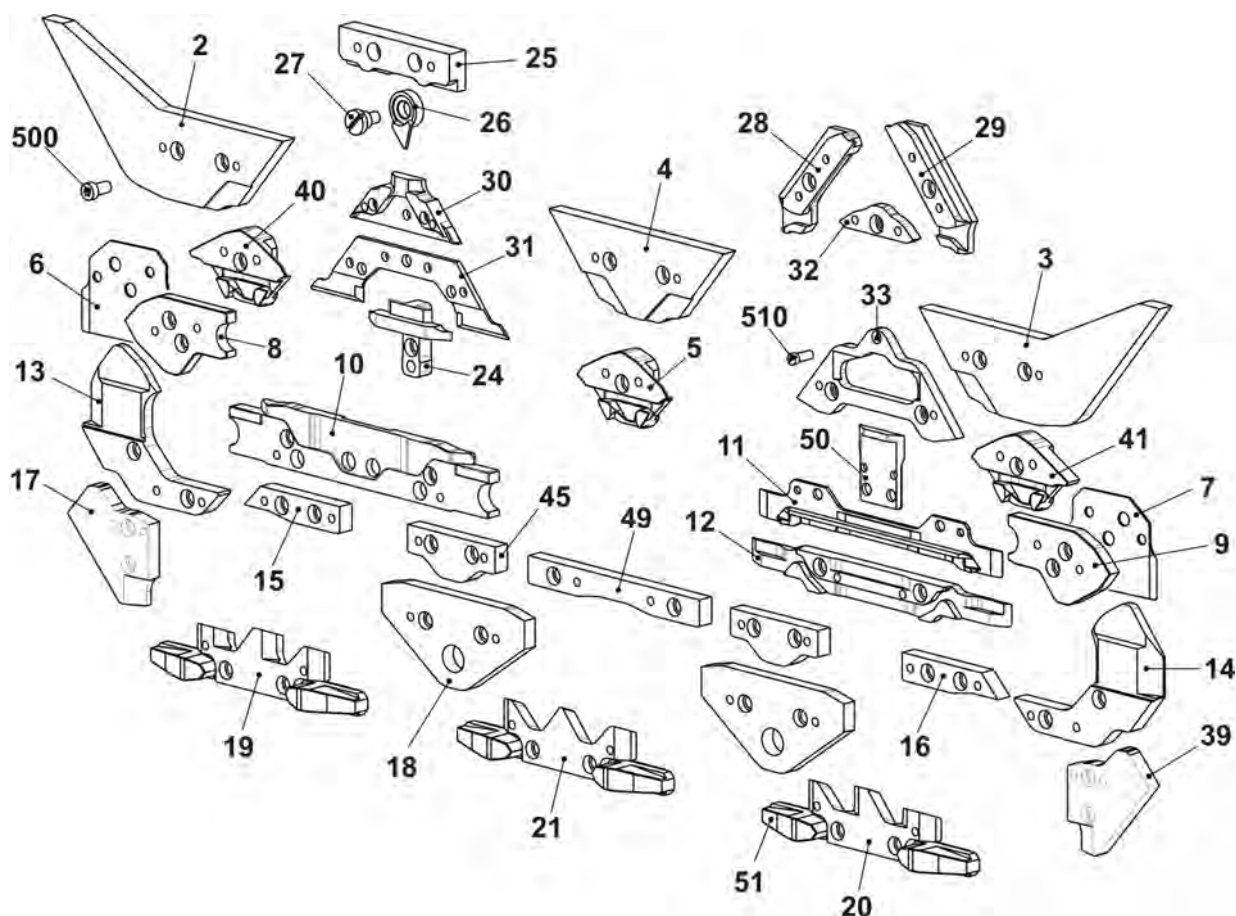
5.8 Cam box E14

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E14	259 241	37	d Circlip	023 565
1	Cam plate E10-18	258 159	e	Disk	259 647
22	Stay bolt	254 839	f	Washer	022 893
23	Guide of pressure cam complete	253 480	38	Slider pressure cam complete	251 834
34	Loop sinking cam on the left completeE12-14	254 248	43	Holding piece	251 828
35	Loop sinking cam on the right completeE12-14	254 249	503	Cap screw M3x6	022 589
36	Rod guide on the left complete	252 662	505	Shim0,5x12x75	236 654
37	Rod guide on the right complete	252 663	509	Pan-head screw M3x4	023 142
a	Rod guide part	258 148	511	Shim0,03x8x28	023 452
b	Spring rod	252 661	512	Shim0,05x8x28	023 020
c	Compression spring	257 082			



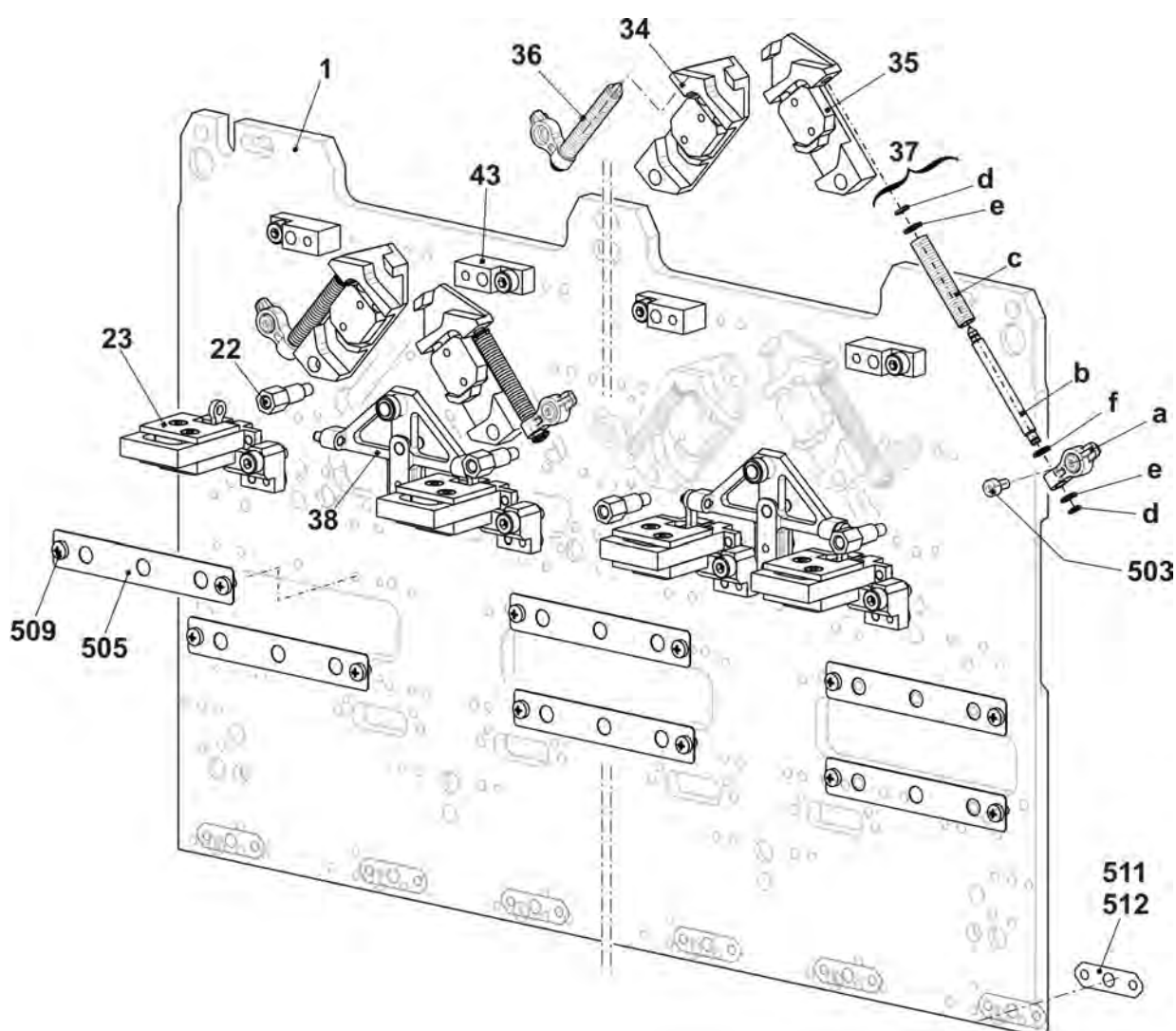
5.8.1 Cams E14

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	256 691	25	Limiting cam E12-14	252 522
4	Entry cam at the top E10-18	256 689	26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E12 E14	254 298
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540	32	Receiving cam E14	252 607
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E14	254 336
12	Cam guide E10-18	255 541		Raising cam with split-stitch E14	254 337
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left E10-18	251 886	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right E10-18	251 887	45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768	49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152	50	Transfer pressure cam	253 838
19	Selection cam on the left E10-18	251 876	51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877	500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875	510	Cap screw M3x8	020 081



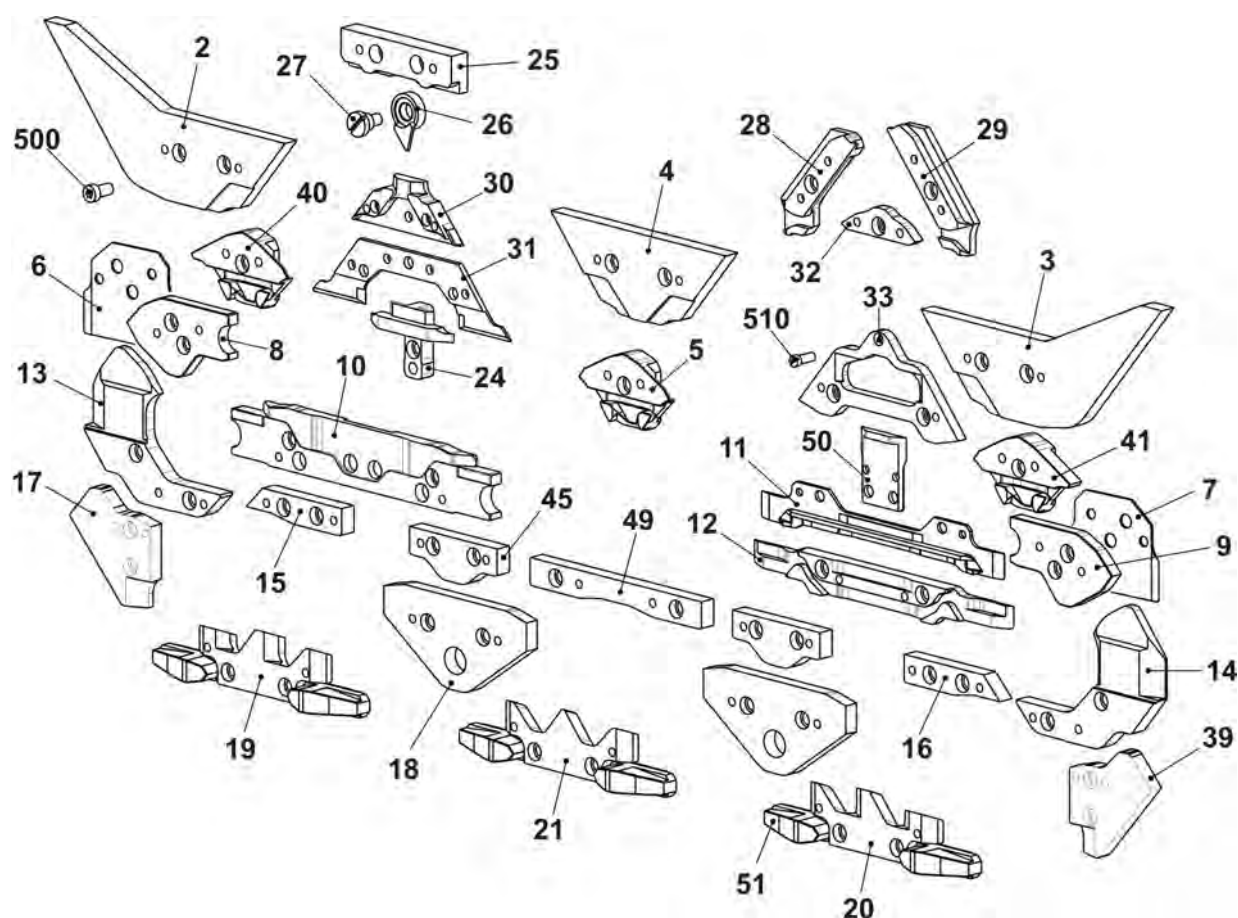
5.9 Cam box E16 | E18

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E16 E18	259 242	37	d Circlip	023 565
1	Cam plate E10-18	258 159	e	Disk	259 647
22	Stay bolt	254 839	f	Washer	022 893
23	Guide of pressure cam complete	253 480	38	Slider pressure cam complete	251 834
34	Loop sinking cam on the left completeE16-18	251 965	43	Holding piece	251 828
35	Loop sinking cam on the right completeE16-18	251 966	503	Cap screw M3x6	022 589
36	Rod guide on the left complete	252 662	505	Shim0,5x12x75	236 654
37	Rod guide on the right complete	252 663	509	Pan-head screw M3x4	023 142
a	Rod guide part	258 148	511	Shim0,03x8x28	023 452
b	Spring rod	252 661	512	Shim0,05x8x28	023 020
c	Compression spring	257 082			



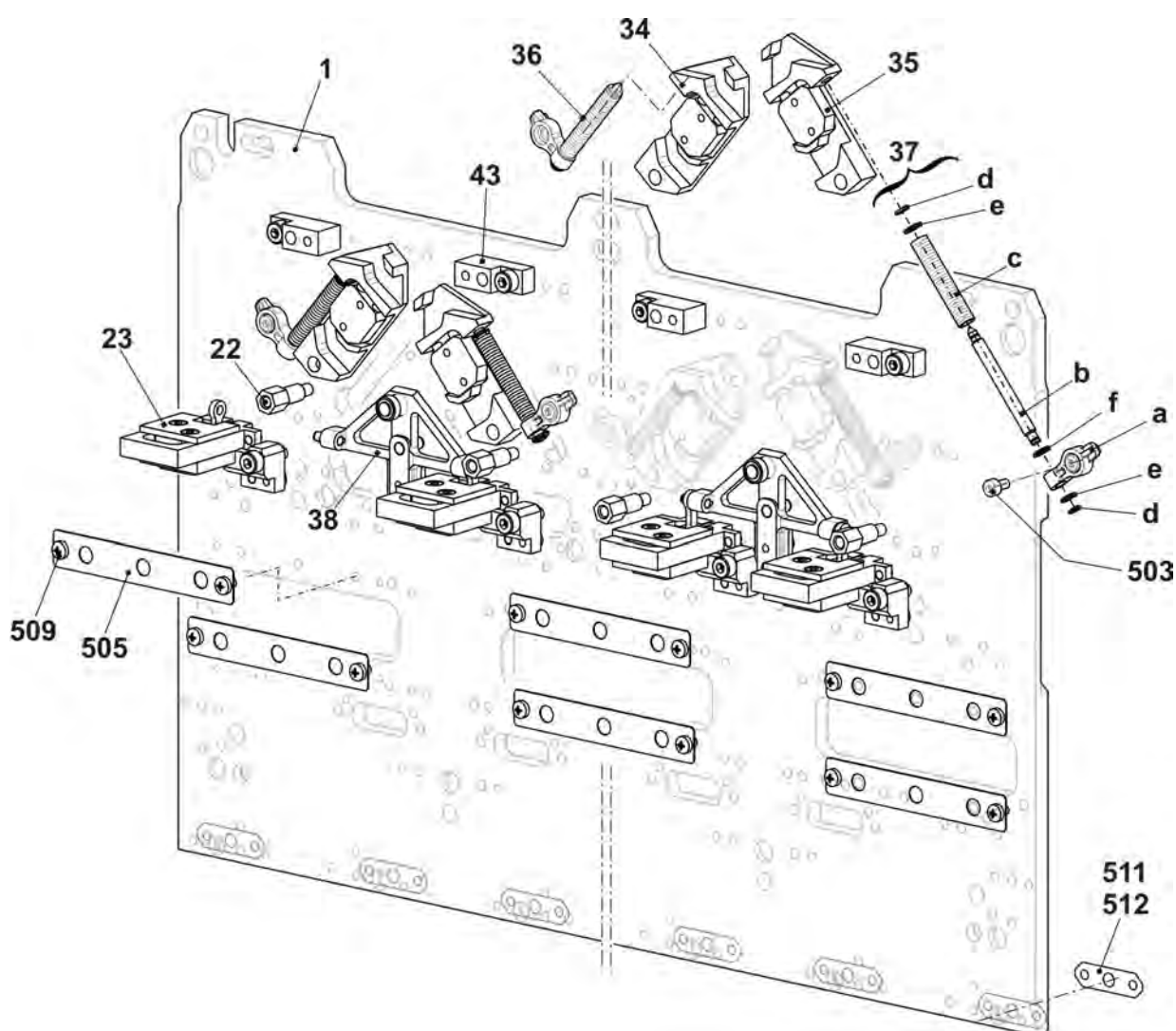
5.9.1 Cams E16|E18

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	256 691	25	Limiting cam E16-18	252 646
4	Entry cam at the top E10-18	256 689	26	Pointer E16-18	252 656
5	Knitting position cam E16-18 E8.2	255 027	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E16-18 E8.2	254 338
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E16-18 E8.2	254 339
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E16-18	254 299
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E16-18	256 681	32	Receiving cam E16-18	252 654
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E16-18	254 340
12	Cam guide E10-18	255 541		Raising cam with split-stitch E16-18	254 341
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E16-18 E8.2	255 028
15	Limiting cam on the left E10-18	251 886	41	Knitting position cam on the right E16-18 E8.2	255 029
16	Limiting cam on the right E10-18	251 887	45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768	49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152	50	Transfer pressure cam	253 838
19	Selection cam on the left E10-18	251 876	51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877	500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875	510	Cap screw M3x8	020 081



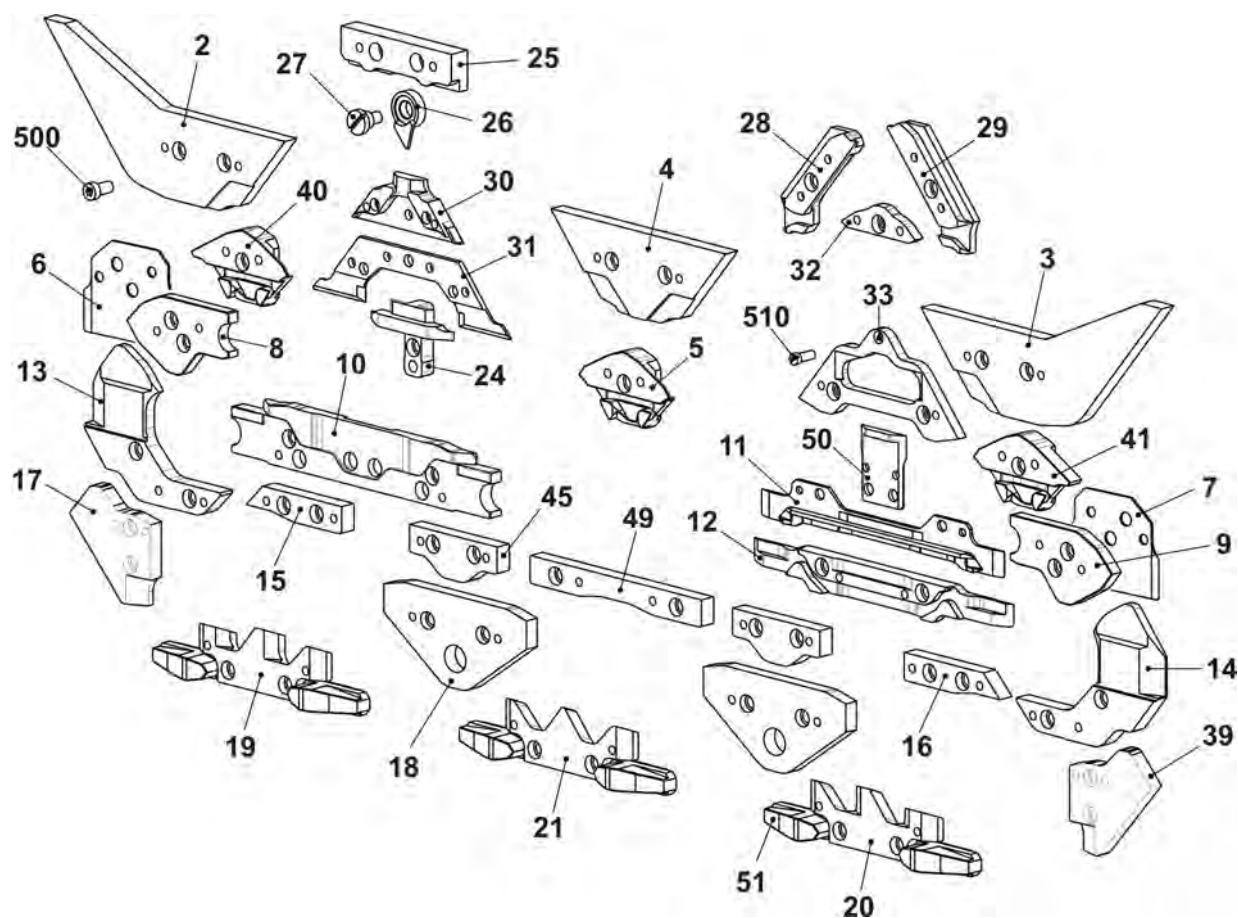
5.10 Cam box E7.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E7.2	259 245	37	d Circlip	023 565
1	Cam plate E10-18	258 159	e	Disk	259 647
22	Stay bolt	254 839	f	Washer	022 893
23	Guide of pressure cam complete	253 480	38	Slider pressure cam complete	251 834
34	Loop sinking cam on the left completeE12-14	254 248	43	Holding piece	251 828
35	Loop sinking cam on the right completeE12-14	254 249	503	Cap screw M3x6	022 589
36	Rod guide on the left complete	252 662	505	Shim0,5x12x75	236 654
37	Rod guide on the right complete	252 663	509	Pan-head screw M3x4	023 142
a	Rod guide part	258 148	511	Shim0,03x8x28	023 452
b	Spring rod	252 661	512	Shim0,05x8x28	023 020
c	Compression spring	257 082			



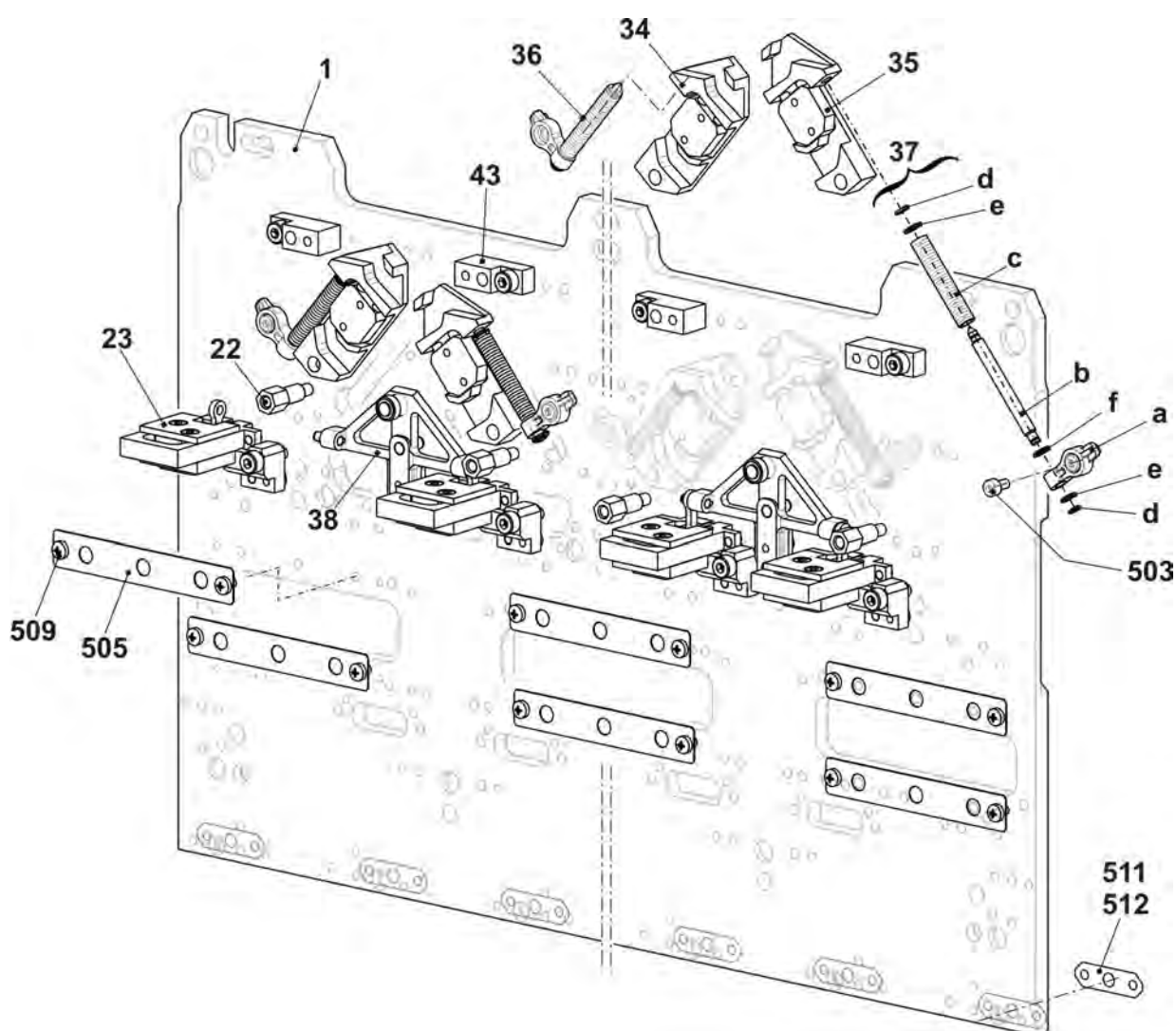
5.10.1 Cams E7.2

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	256 691	25	Limiting cam E10 E7.2	251 993
4	Entry cam at the top E10-18	256 689	26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E10 E7.2	254 295
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540	32	Receiving cam E10-12	251 997
11	Cam guide E10-18	258 161	33	Raising cam without split-stitch E10-12	254 334
12	Cam guide E10-18	255 541		Raising cam with split-stitch E10-12	254 335
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left E10-18	251 886	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right E10-18	251 887	45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768	49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152	50	Transfer pressure cam	253 838
19	Selection cam on the left E10-18	251 876	51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877	500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875	510	Cap screw M3x8	020 081



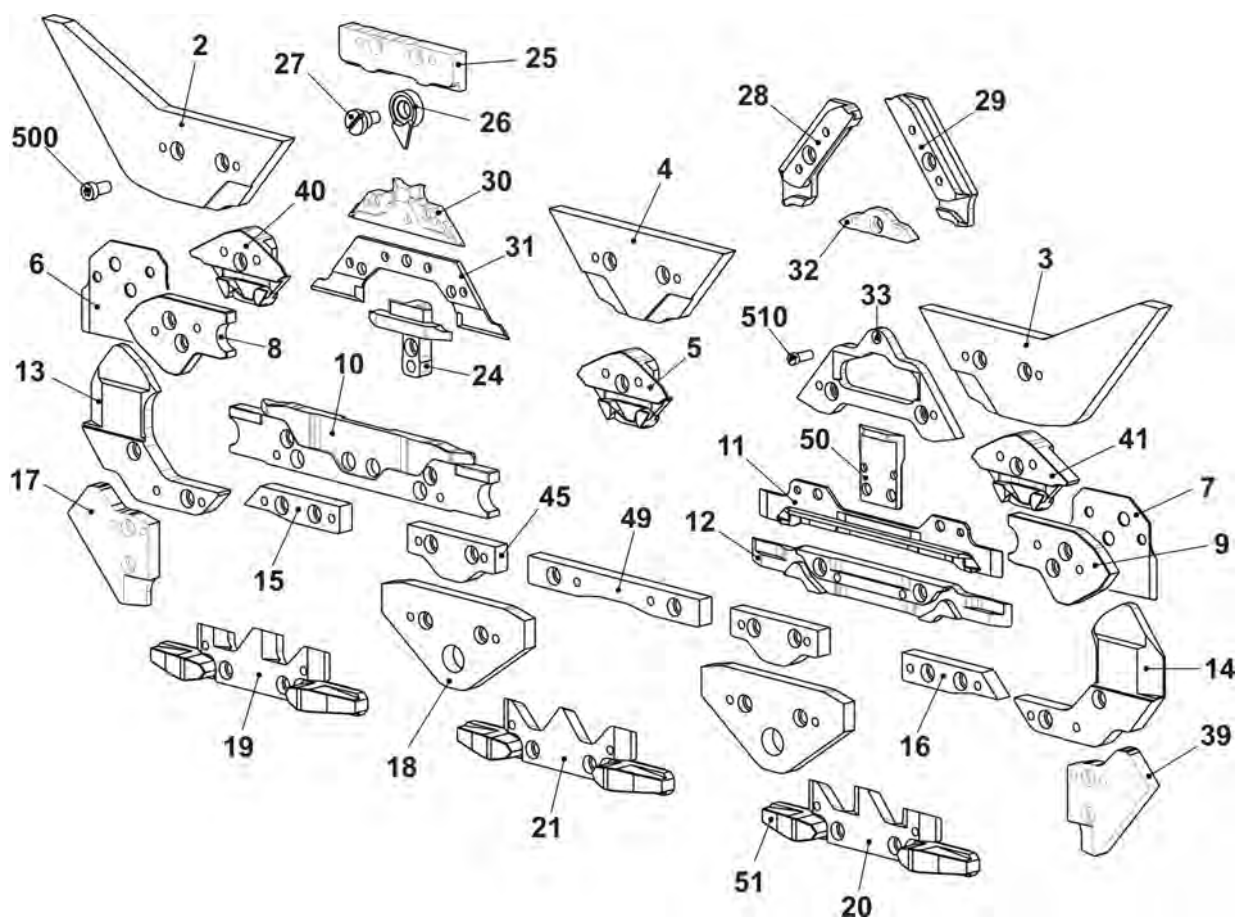
5.11 Cam box E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E8.2	259 246	37	d Circlip	023 565
1	Cam plate E10-18	258 159	e	Disk	259 647
22	Stay bolt	254 839	f	Washer	022 893
23	Guide of pressure cam complete	253 480	38	Slider pressure cam complete	251 834
34	Loop sinking cam on the left completeE16-18	251 965	43	Holding piece	251 828
35	Loop sinking cam on the right completeE16-18	251 966	503	Cap screw M3x6	022 589
36	Rod guide on the left complete	252 662	505	Shim0,5x12x75	236 654
37	Rod guide on the right complete	252 663	509	Pan-head screw M3x4	023 142
a	Rod guide part	258 148	511	Shim0,03x8x28	023 452
b	Spring rod	252 661	512	Shim0,05x8x28	023 020
c	Compression spring	257 082			

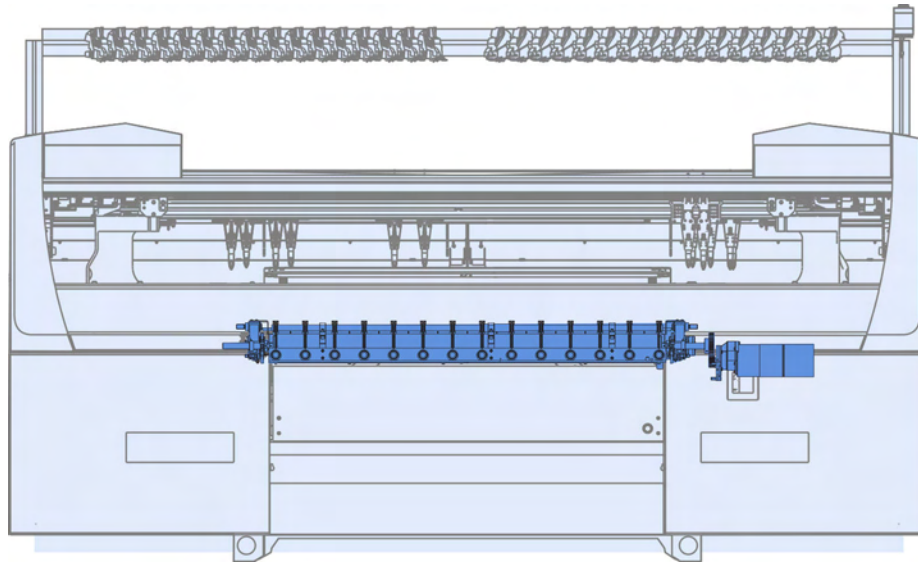


5.11.1 Cams E8.2

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	256 691	25	Limiting cam E8.2	260 901
4	Entry cam at the top E10-18	256 689	26	Pointer E16-18	252 656
5	Knitting position cam E16-18 E8.2	255 027	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E16-18 E8.2	254 338
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E16-18 E8.2	254 339
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E8.2	260 902
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E16-18	256 681	32	Receiving cam E8.2	260 903
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E16-18	254 340
12	Cam guide E10-18	255 541		Raising cam with split-stitch E16-18	254 341
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E16-18 E8.2	255 028
15	Limiting cam on the left E10-18	251 886	41	Knitting position cam on the right E16-18 E8.2	255 029
16	Limiting cam on the right E10-18	251 887	45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768	49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152	50	Transfer pressure cam	253 838
19	Selection cam on the left E10-18	251 876	51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877	500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875	510	Cap screw M3x8	020 081

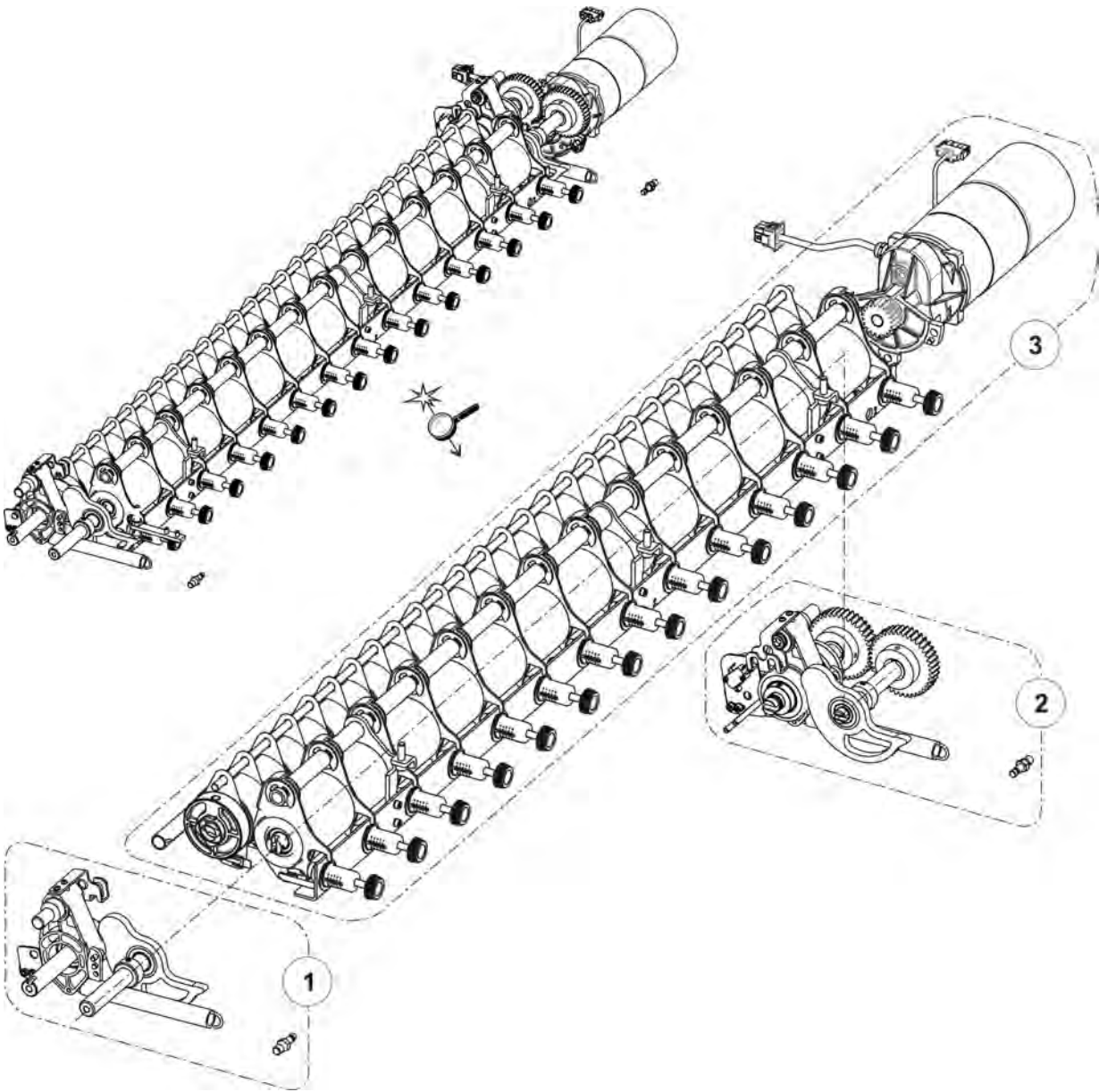


6 Main take-down



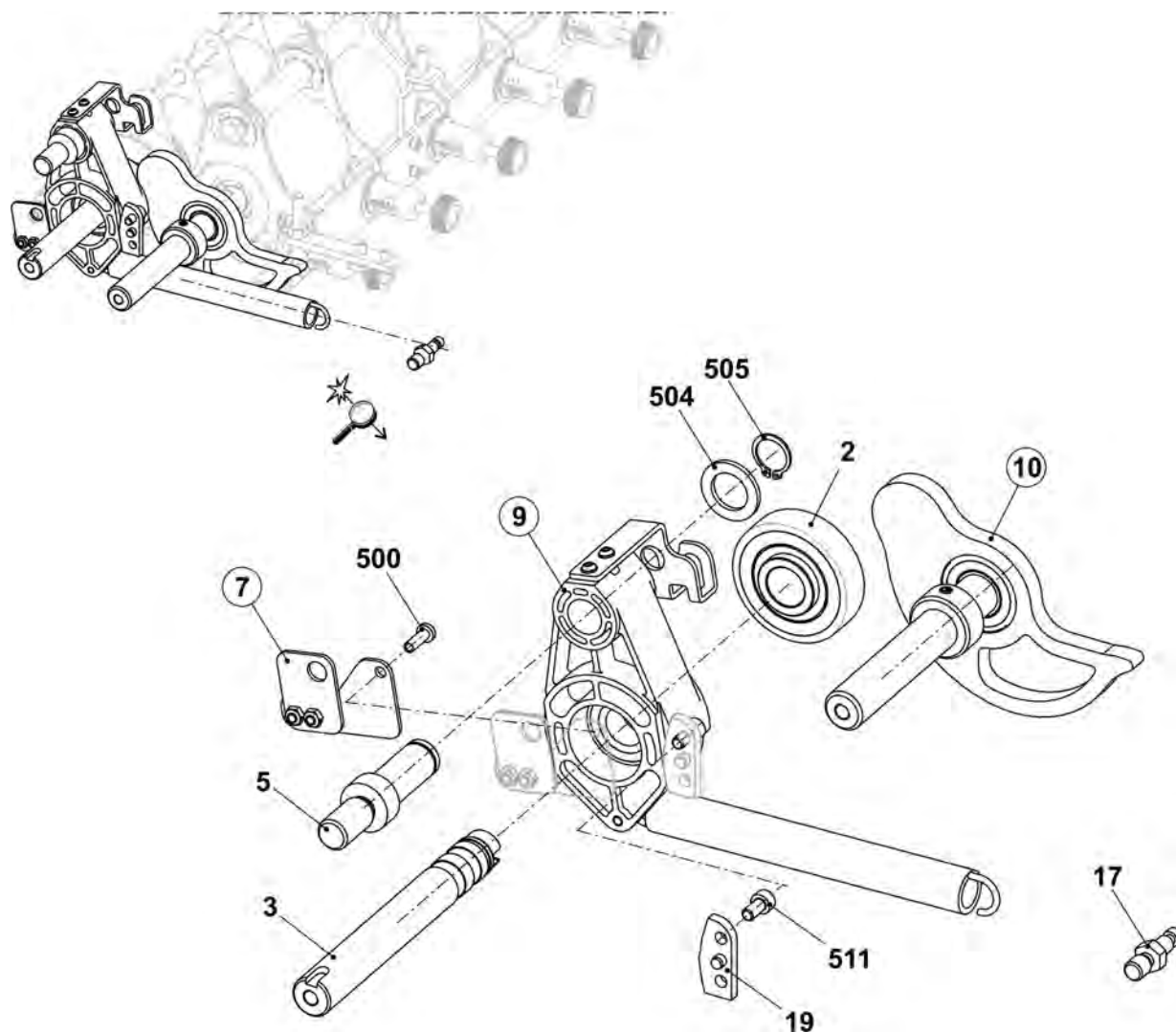
6.1 Main take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down				
1	Main take-down on the left	253 851	3	Main take-down in the middle E12 E14 E7.2	253 525
2	Main take-down on the right	253 852		Main take-down in the middle E16 E18 E8.2	253 593



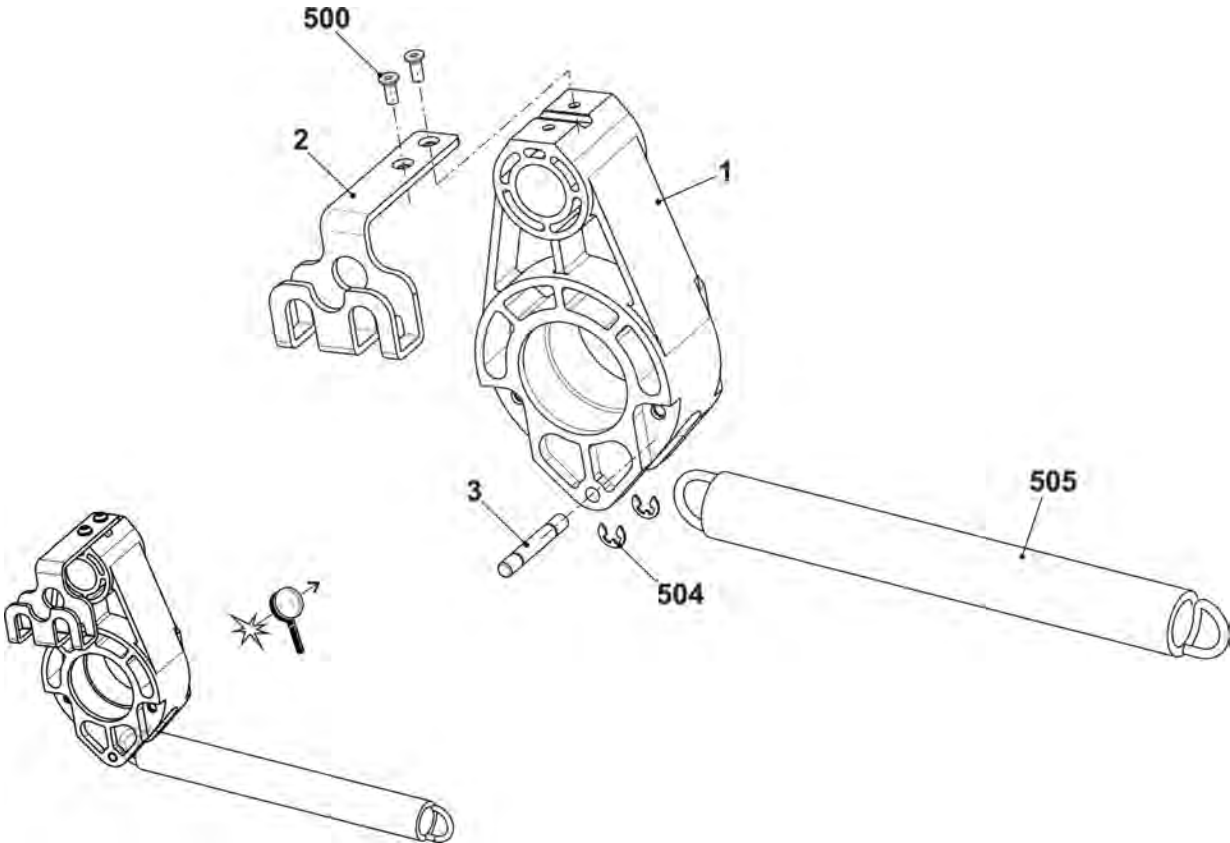
6.2 Main take-down on the left

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



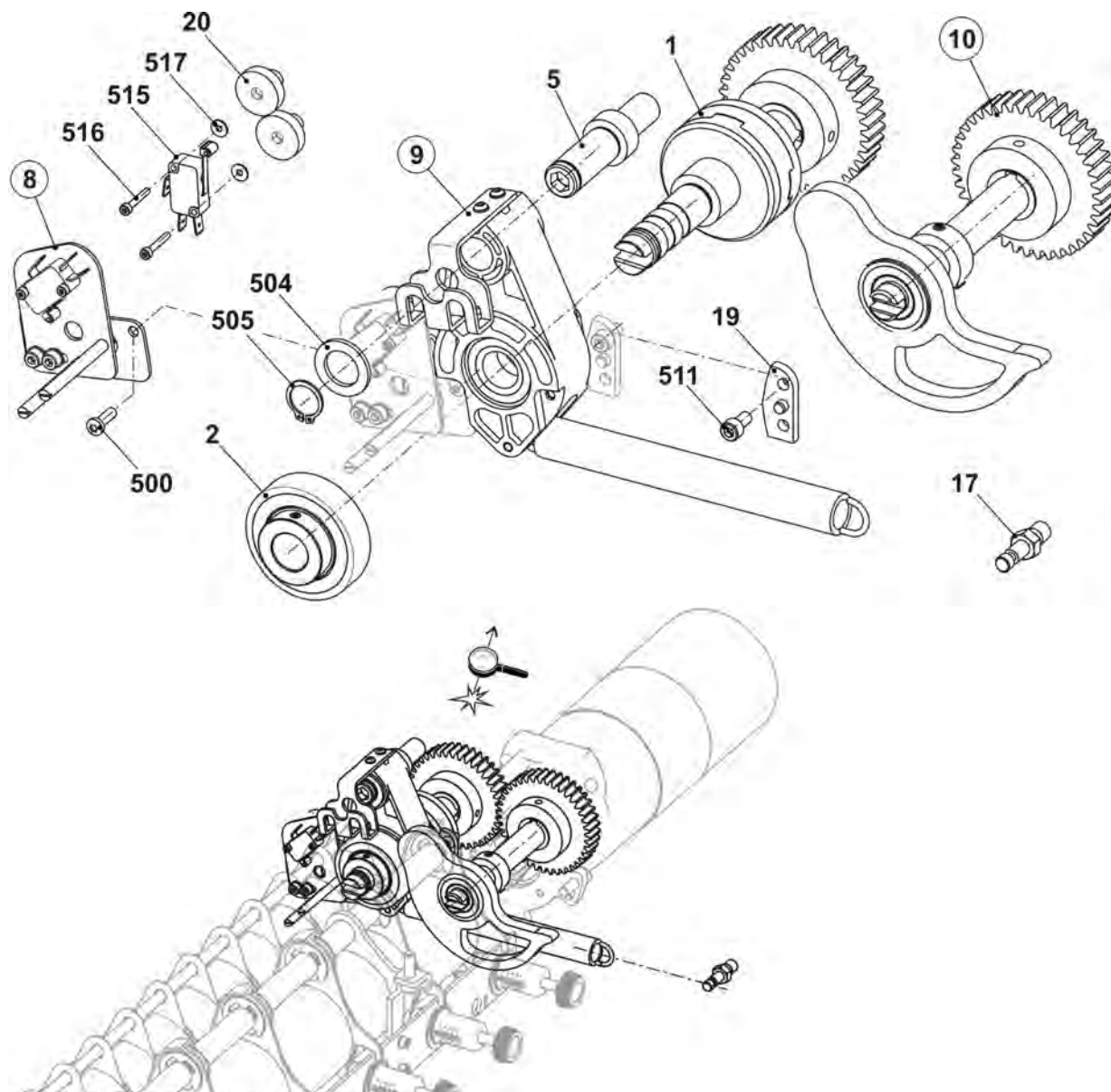
6.2.1 Swivel-mounted bearing

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



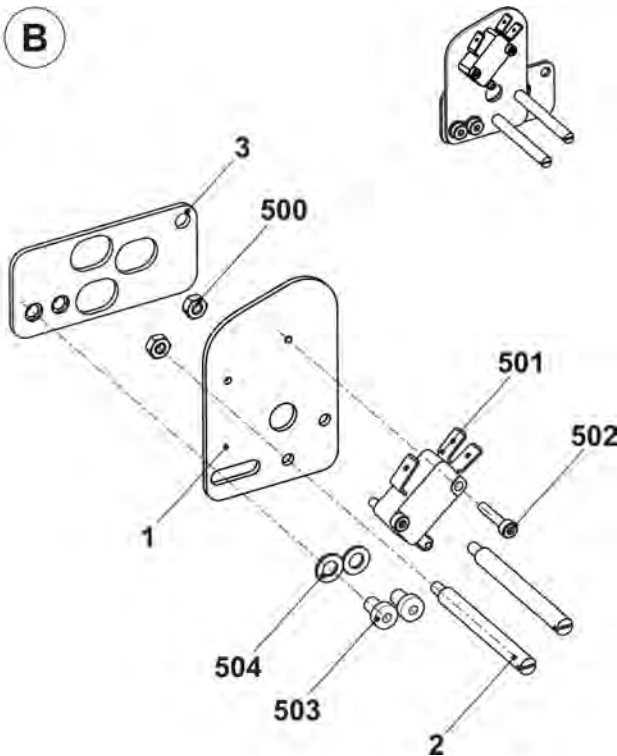
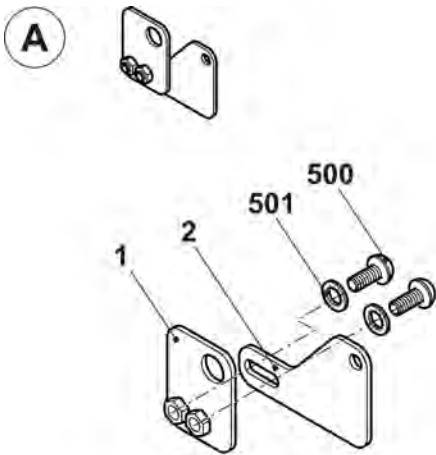
6.3 Main take-down on the right

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



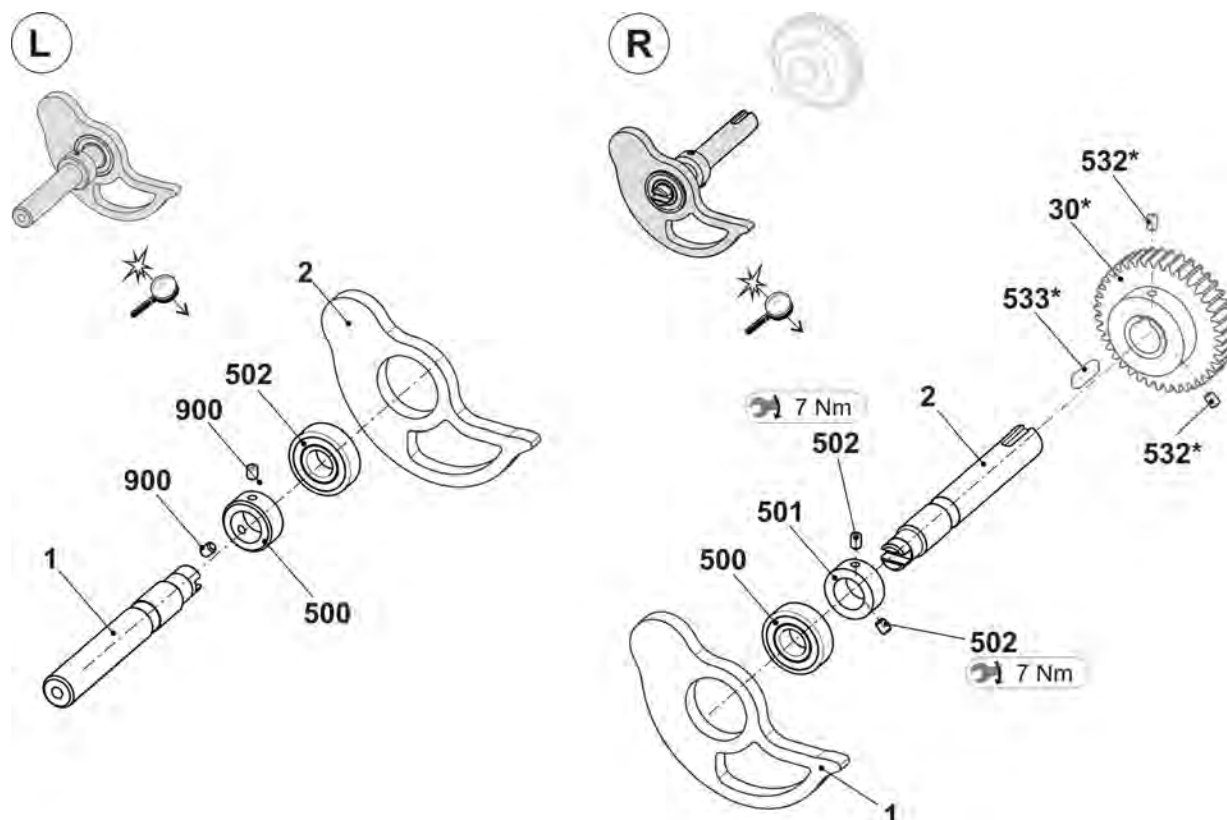
6.3.1 Mounting plate

Pos	Designation	Id	Pos	Designation	Id
Σ L	Mounting plate on the left complete	231 725	Σ R	Mounting plate on the right complete	260 090
1	Mounting plate on the left	231 541	1	Mounting plate on the right	260 067
2	Retaining plate on the left	231 539	2	Shoulder screw	240 067
500	Pan-head screw M5x10	023 247	3	Retaining plate on the right	240 066
501	Serrated lock washer J5,3	022 489	500	Hexagon nut M4-6	022 536
			501	Microswitch	026 259
			502	Cap screw M3x16	022 583
			503	Cap screw M5x8	244 278
			504	Washer 5-200	020 871



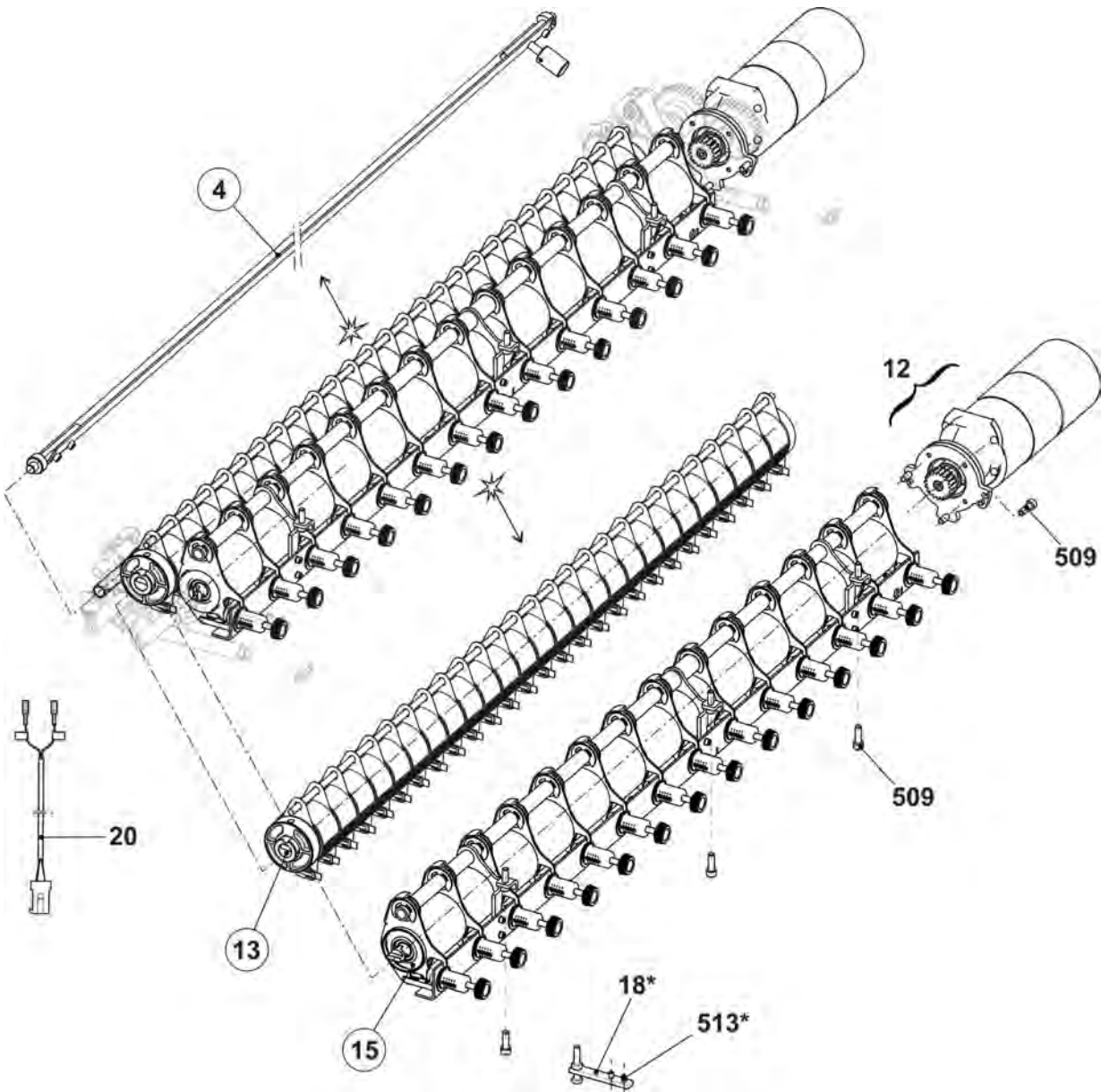
6.3.2 Full floating axle

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



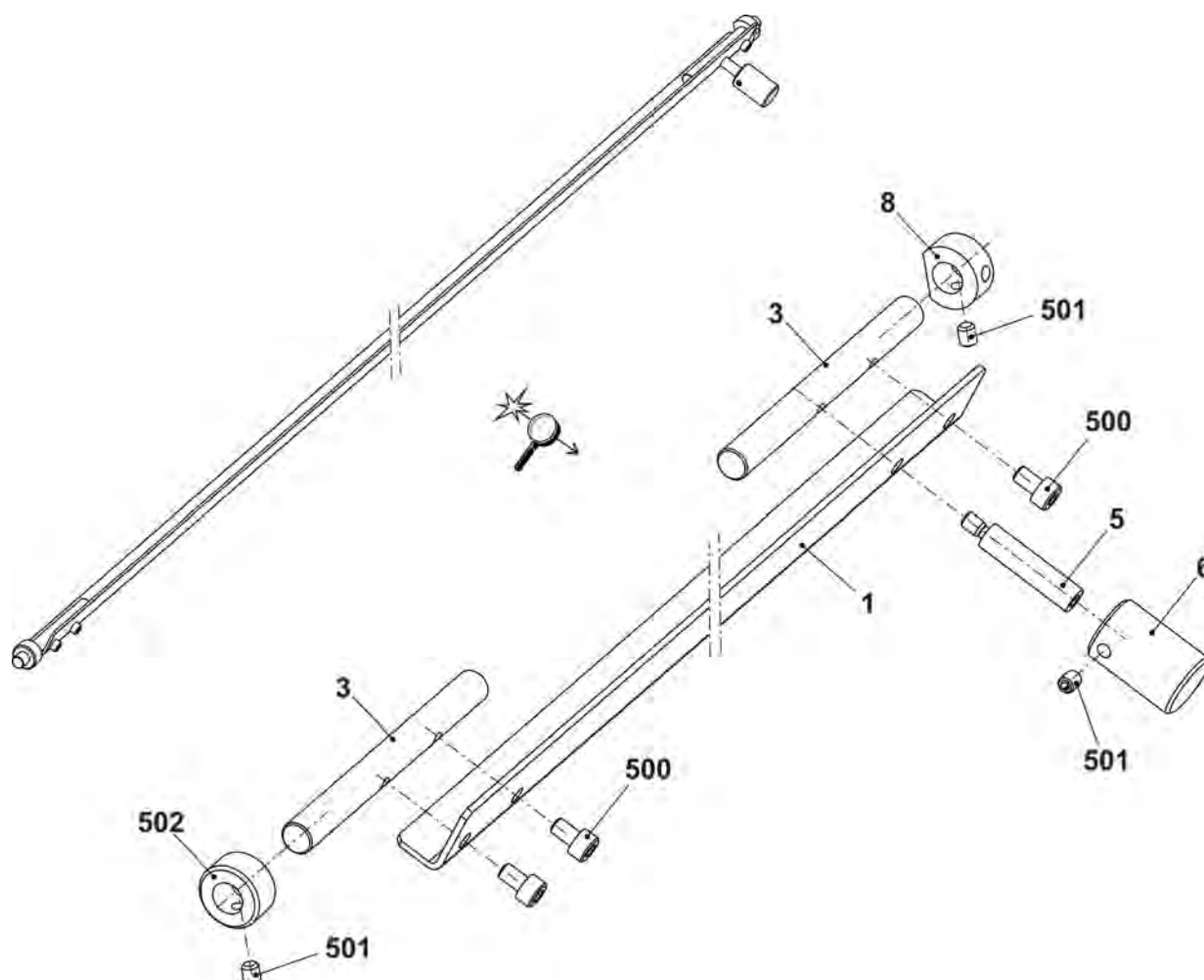
6.4 Main take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down in the middle		13	Take-down roller at the rear complete	
	E12 E14 E7.2	253 525		E12 E14 E7.2	253 853
	E16 E18 E8.2	253 593		E16 E18 E8.2	253 854
4	Stripper angle at the rear complete	264 119	509	Cap screw M8x25	020 142
12	Motor take-down unit complete	253 803	18*	Stop point	253 432
15	Take-down roller at the front complete	241 426	513*	Pan-head screw M6x16	023 124
20	Connection cable winding plate	241 703			

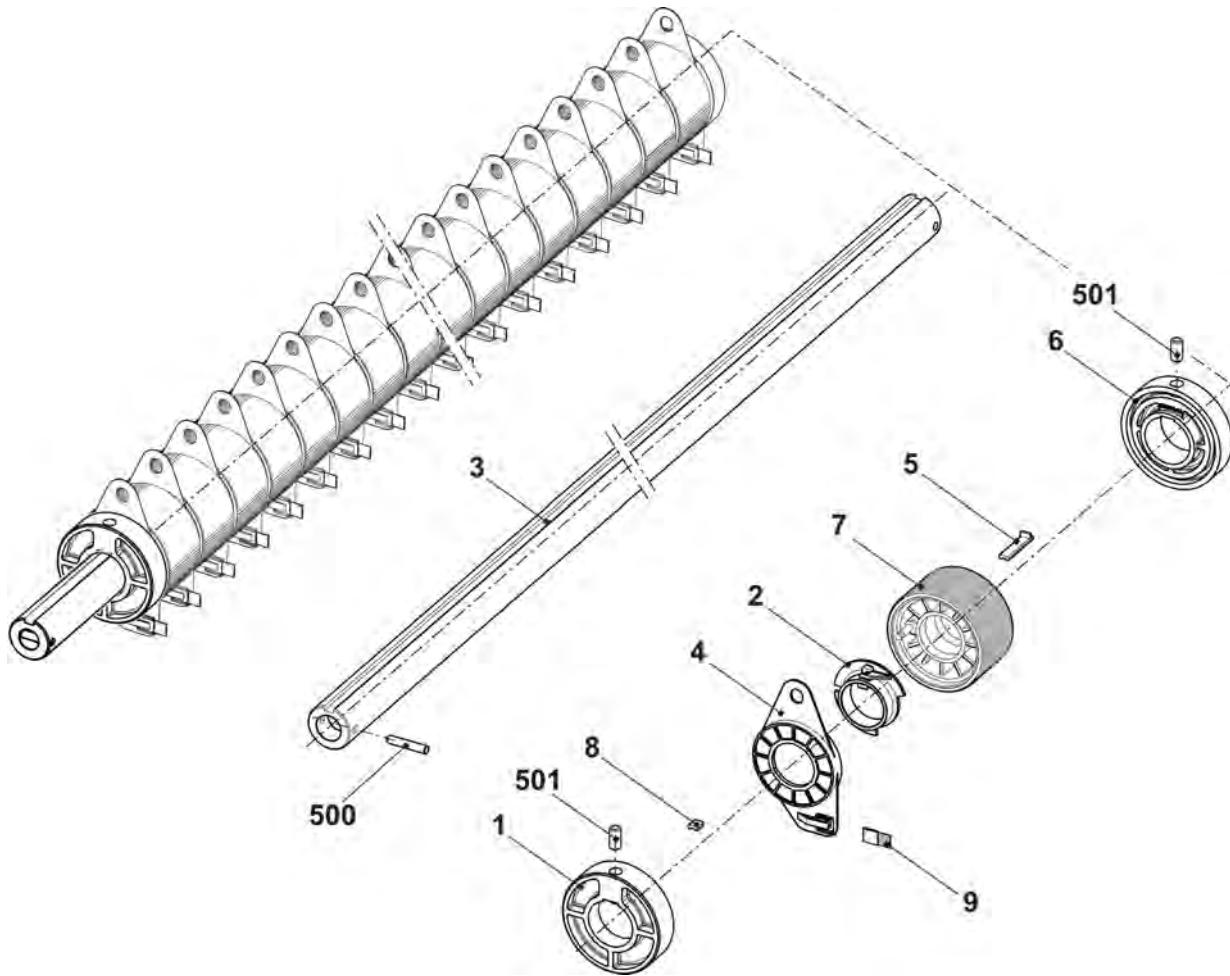


6.4.1 Stripper angle

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

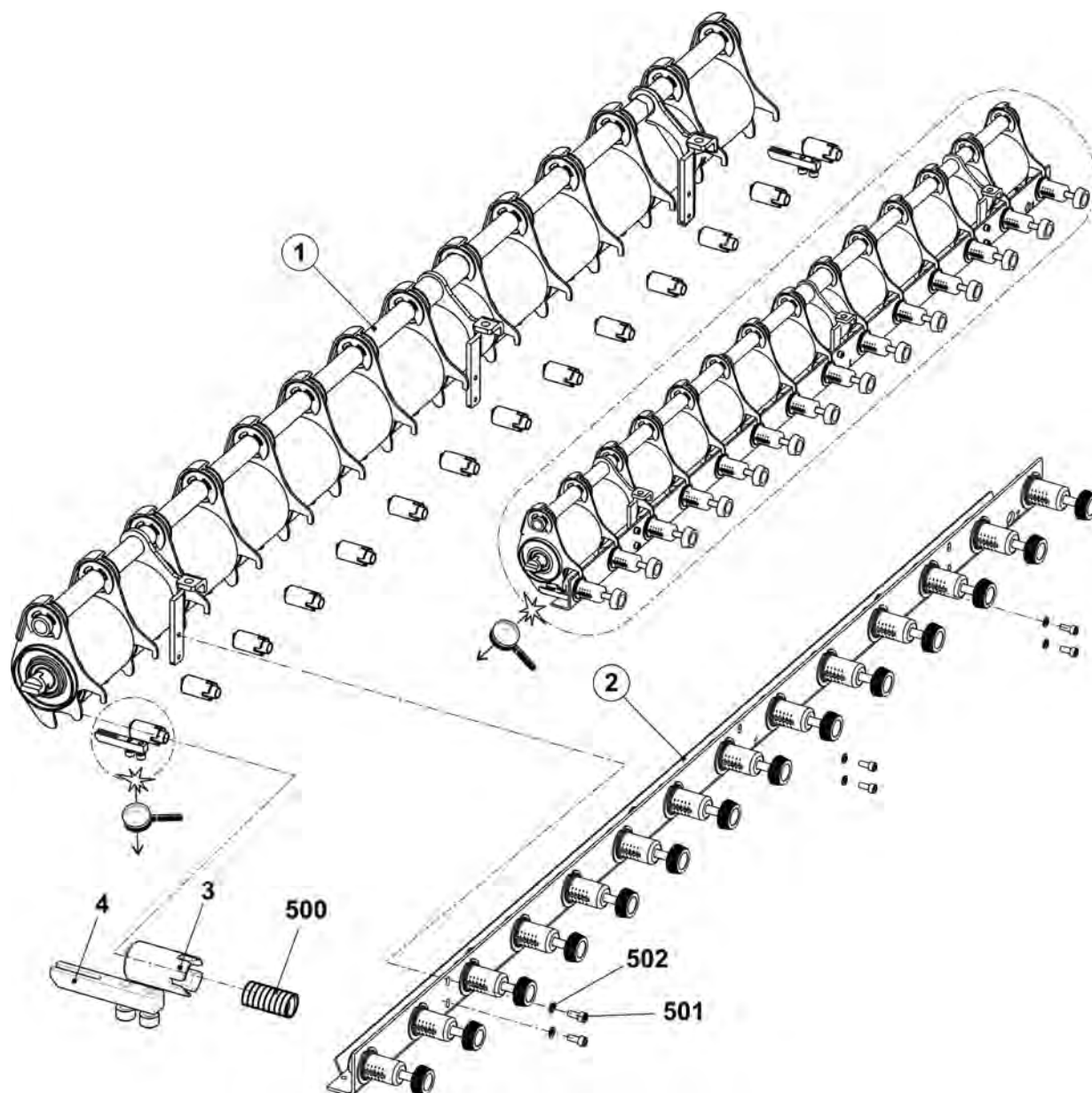


Pos	Designation	ID	Pos	Designation	ID
Σ	Take-down roller at the rear complete		6	Ring on the right	255 831
	E12 E14 E7.2	253 853	7	Roller E5-14	206 770
	E16 E18 E8.2	253 854		Roller E16-18	231 400
1	Ring on the left	255 830	8	Spacer slide	222 062
2	Stop ring on the left	204 369	9	Brush	225 819
3	Shaft	221 011	12	Rod	253 301
4	Stripper	241 612	500	Dowel pin 6x32	020 685
5	Spacer slide	240 104	501	Setscrew M8x16	258 910

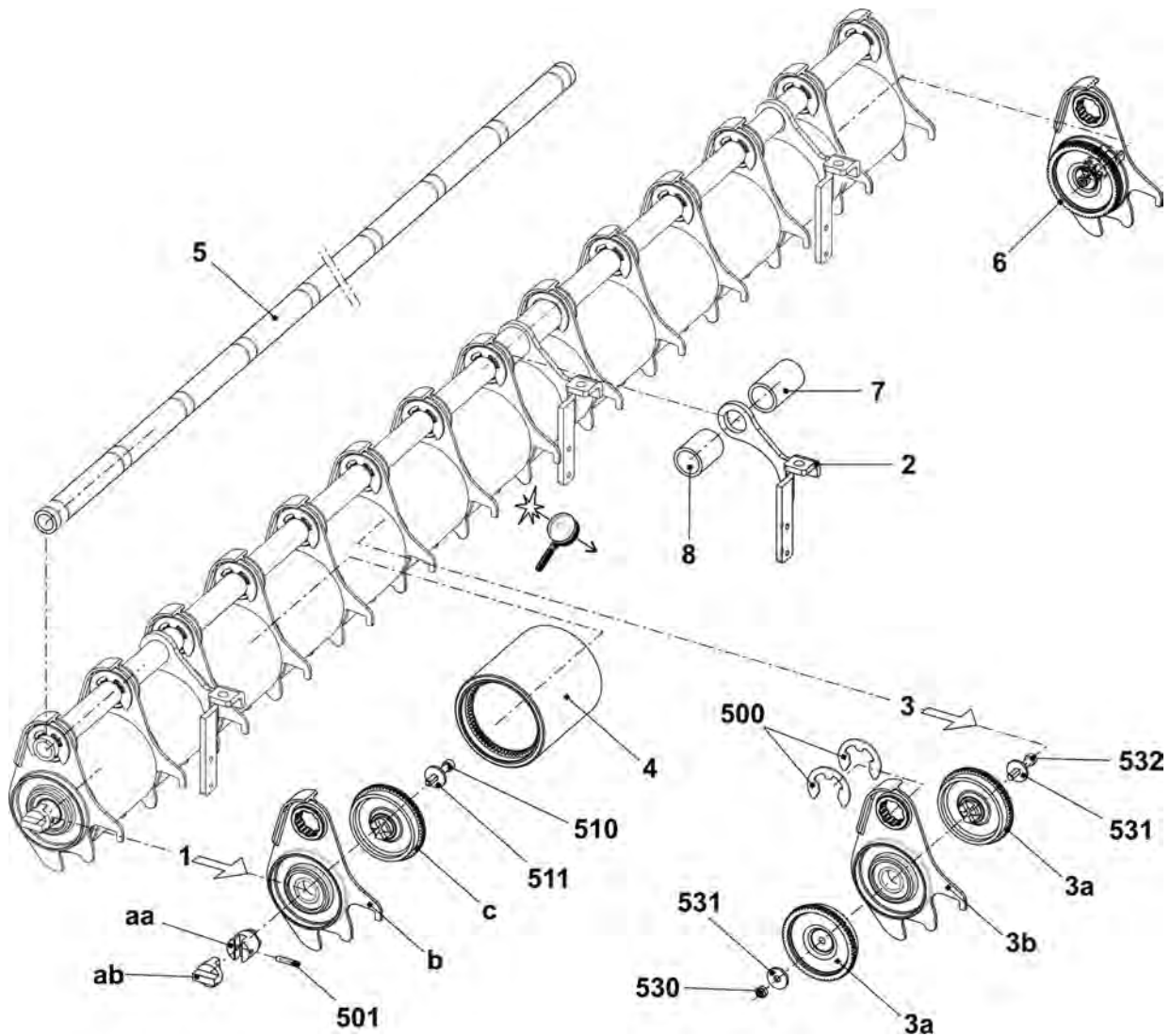


6.4.3 Front take-down roller

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

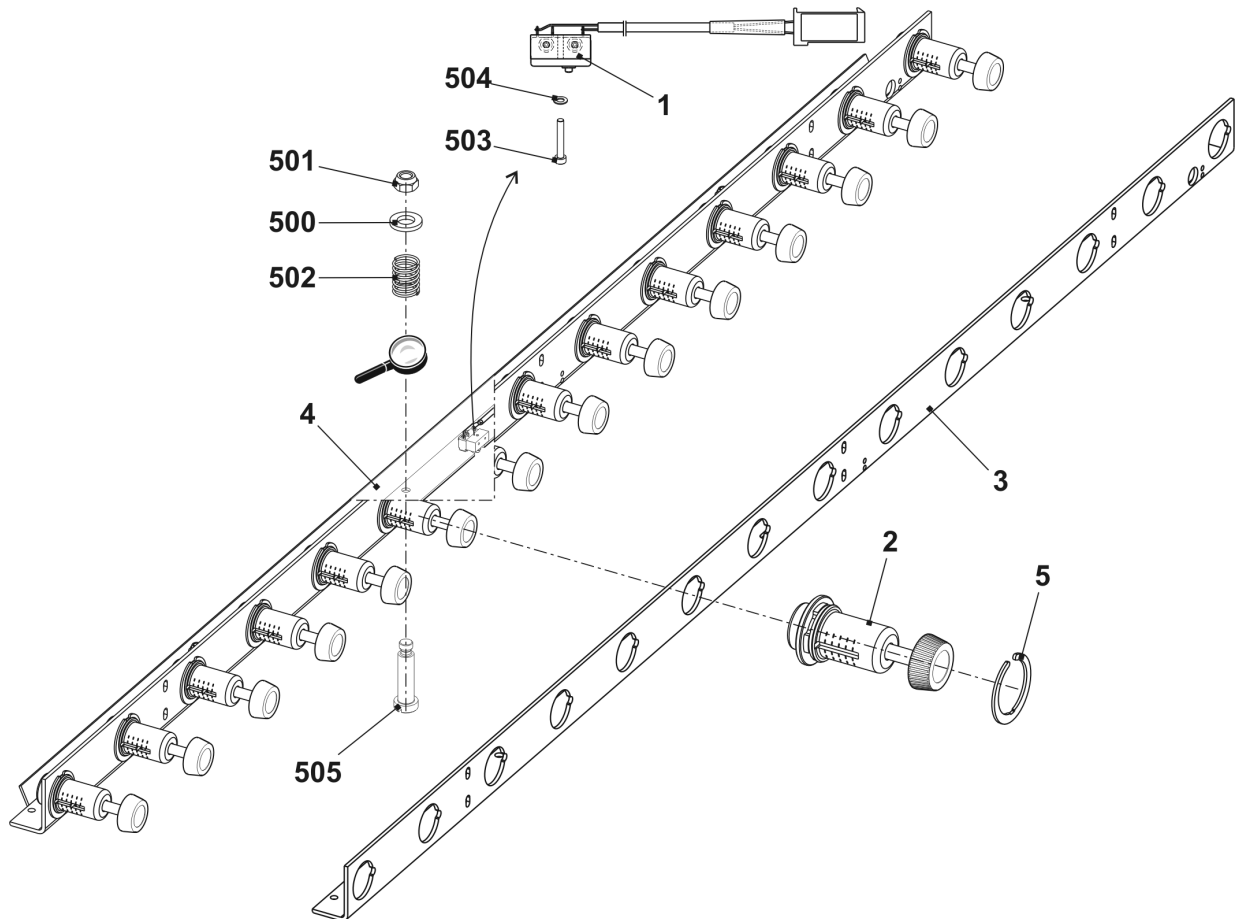


Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the front	221 243			
1	Bearing support on the left complete	221 225	4	Roller	220 905
	aa Universal joint	221 137	5	Tube	221 092
	ab adaptor	221 132	6	Bearing support on the right complete	221 240
	b Bearing support	220 913		aa Universal joint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



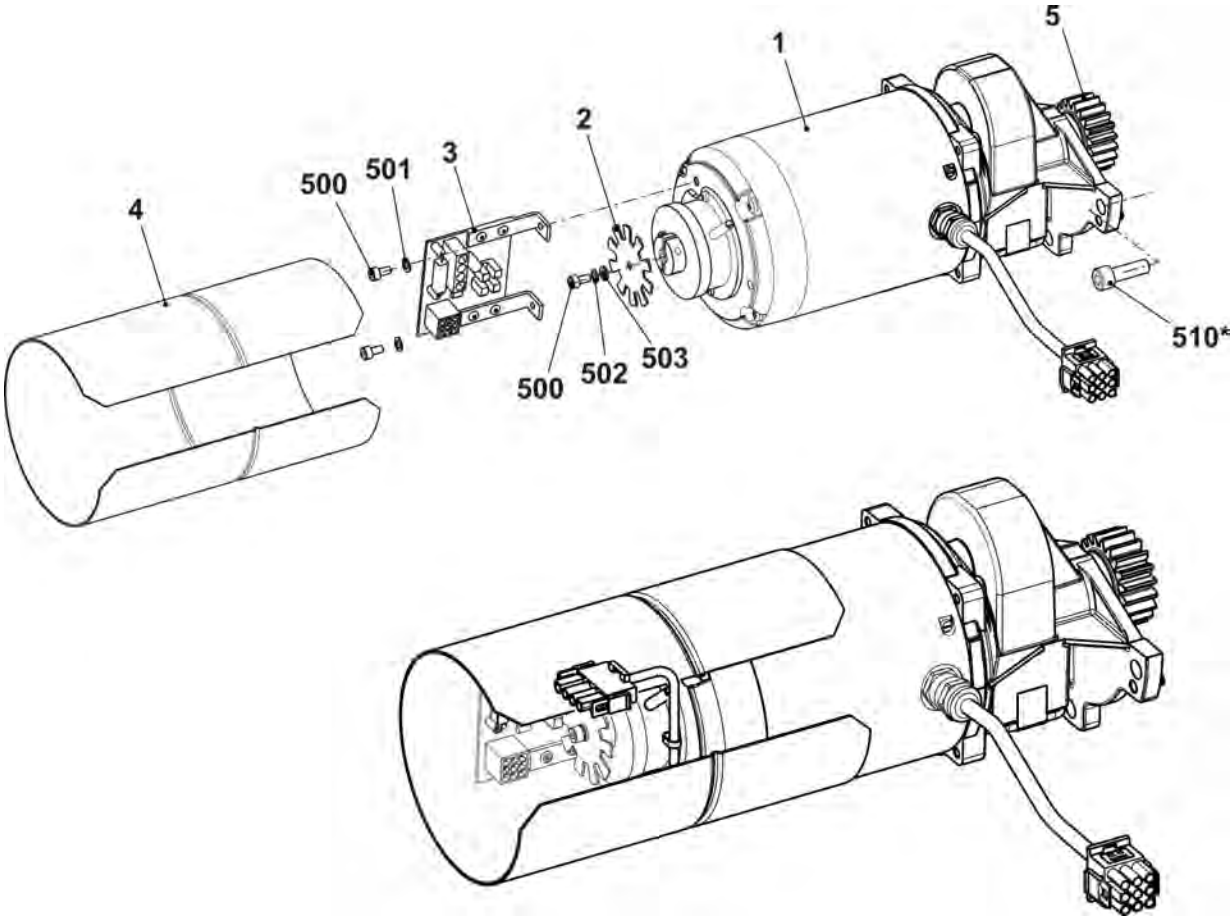
6.4.3.2 Pressure angle rail

Pos	Designation	Id	Pos	Designation	Id
Σ	Angle rail complete	241 425	500	Washer 6-200	022 431
1	Switch complete with cable	221 265	501	Hexagon nut M5-8	023 541
2	Spring flange	242 327	502	Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	241 773	503	Cap screw M2x12	023 522
4	Winding plate	221 101	504	Washer 2-200	022 908
5	Retaining ring	242 325	505	Shoulder screw M5x20x5	023 675

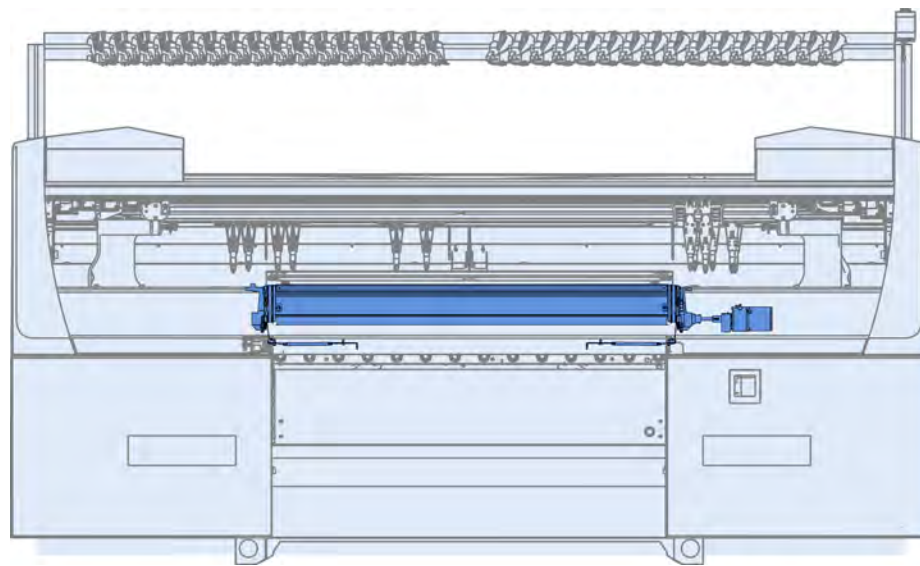


6.4.4 Impulse sensor and motor

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

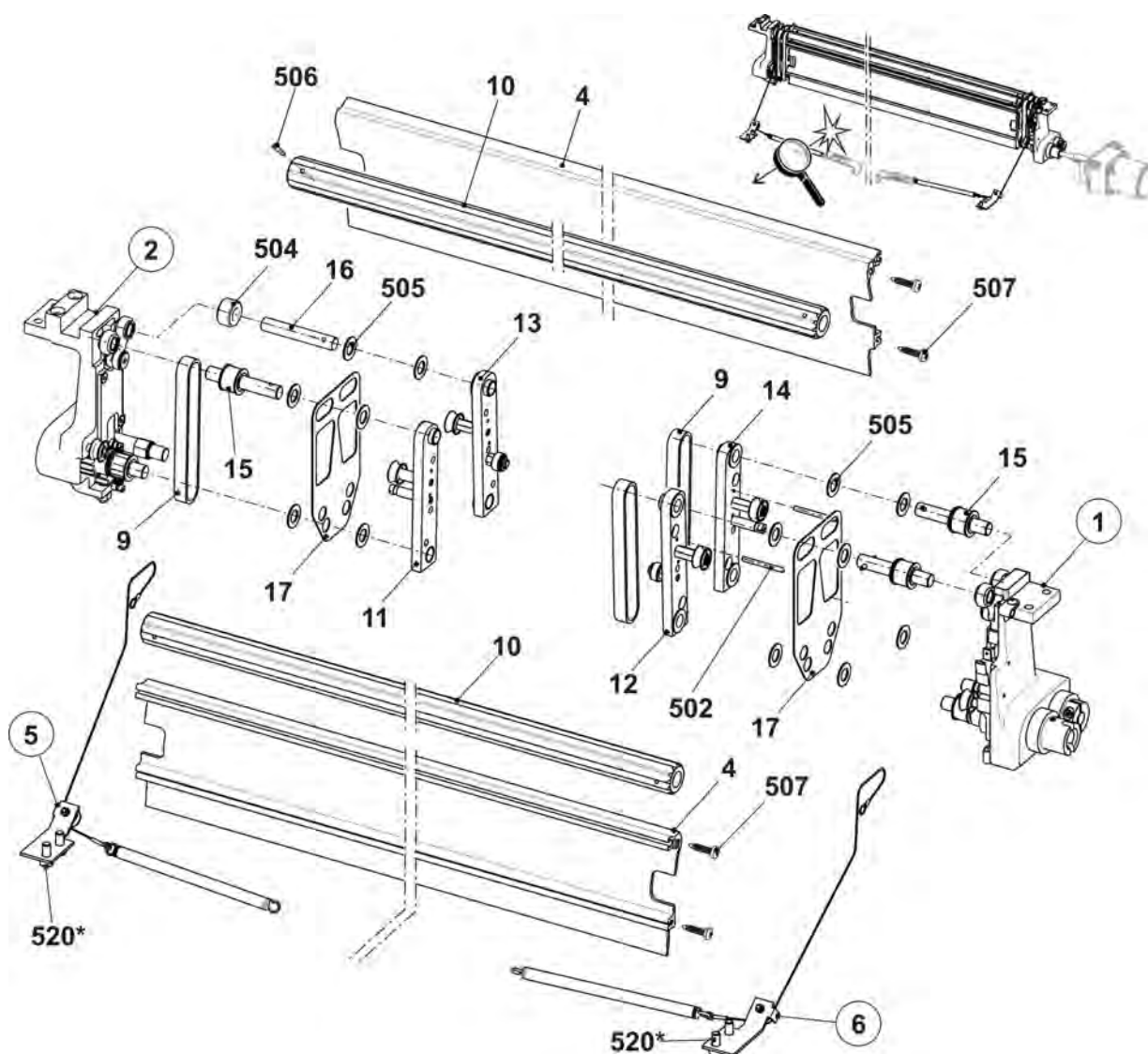


7 Auxiliary Take-down



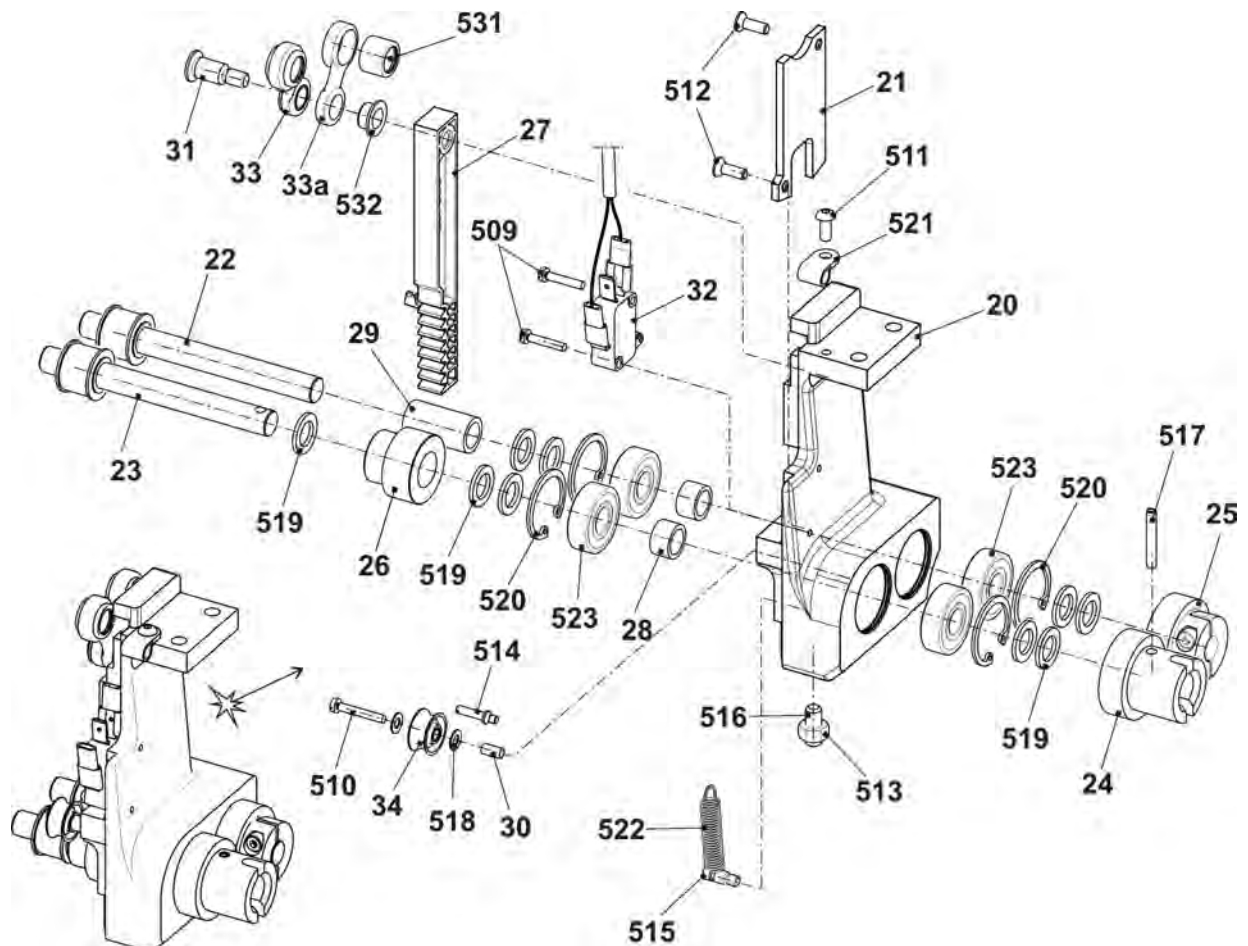
7.1 Auxiliary take-down pre-assembled

Pos	Designation	Id	Pos	Designation	Id
Σ	Auxiliary take-down pre-assembled	254 061			
1	Bearing on the right complete	239 996	14	Lever at the rear on the right	227 260
2	Bearing on the left complete	239 999	15	Toothed belt pulley complete	226 708
4	Guide plate	213 362	16	Bolts	227 914
5	Metal angle on the left complete	225 013	17	Protective plate	225 754
6	Metal angle on the right complete	225 014	502	Shoulder screw M3x27x32	023 634
9	Toothed belt 10T5/260	208 832	504	Set collar	020 934
10	Take-down roller	224 891	505	Stop 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-C	023 259
13	Lever at the rear on the left	227 261	520*	Cap screw M6x16	020 135



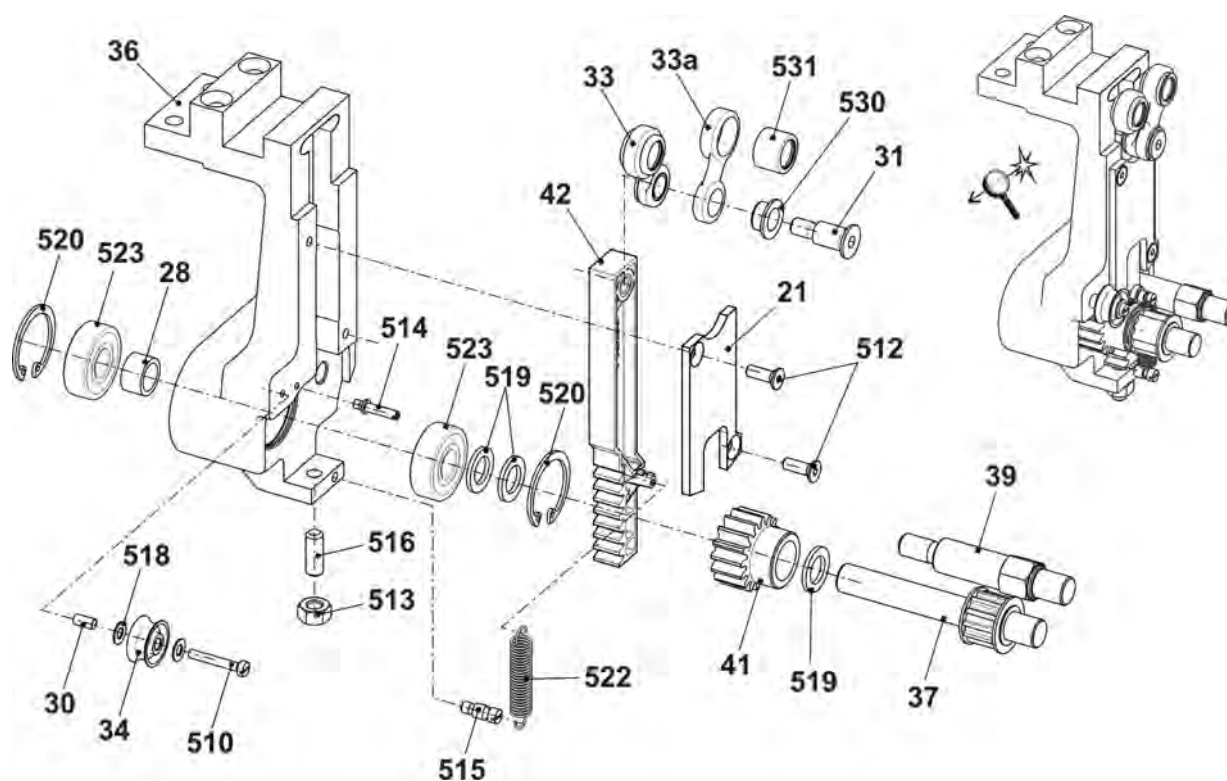
7.1.1 Right bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right complete	239 996	532	Slide bearing GFM-081014-06	023 358
20	Bearing block on the right	258 913	34	Roller deflector	218 805
21	Cover	257 466	500	Cap screw M3x16	022 560
22	Drive shaft complete	227 857	510	Cap screw M3x20	022 448
23	Drive shaft complete	227 853	511	Pan-head screw M4x10	023 450
24	Gear wheel M=1,5, Z=20	213 880	512	Countersunk head screw M4x12	023 062
25	Gear wheel M=1,5, Z=20	210 504	513	Hexagon nut M6-6	020 836
26	Gear wheel on the right complete	218 524	514	Threaded bolt with shoulder	243 226
27	Gear rack on the right	253 487	515	Shoulder screw M4x9x14	020 602
28	Threaded spacer	229 683	516	Setscrew M6x16-45	023 092
29	Sleeve	227 257	517	Spiral pin 4x24	023 544
30	Sleeve	239 997	518	Shim ring 4x8x0,5	023 384
31	Collar bolt	210 551	519	Shim ring 10x16x1,5	023 261
32	Cable with switch auxiliary take-downokc	243 142	520	Retaining ring 26x1,2	023 359
33	Connecting rod complete	226 710	521	Fastening clip 255/5,2	008 335
33a	Connecting rod	255 696	522	Tension spring 7,5x0,7x28	023 595
531	Needle roller bearing HK1010	023 664	523	Grooved ball bearing 6000-2Z	022 599



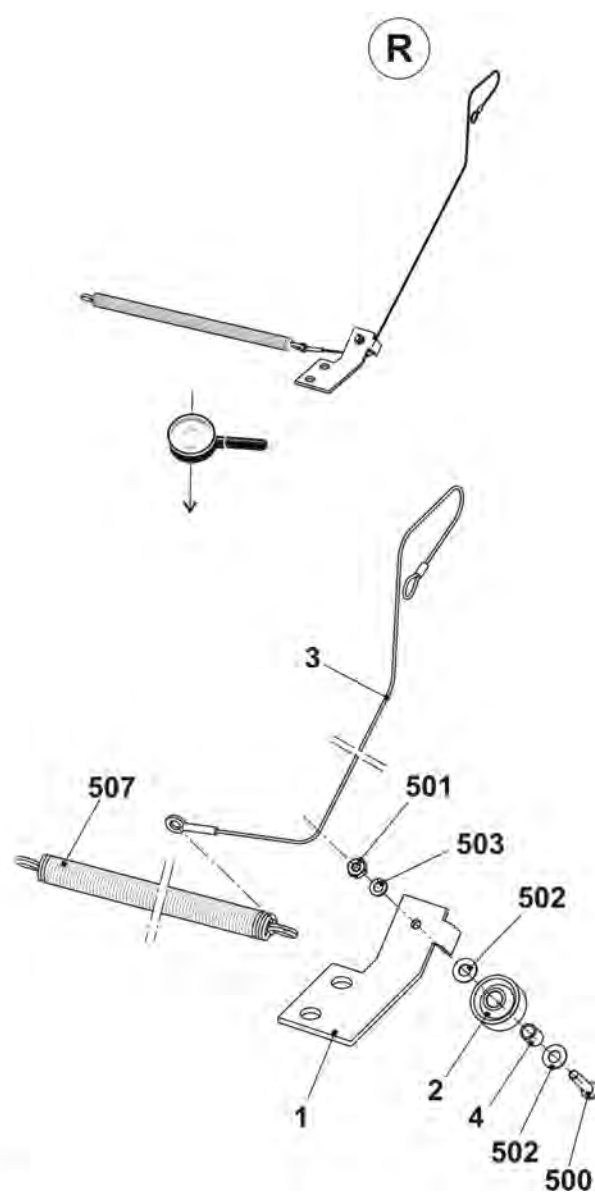
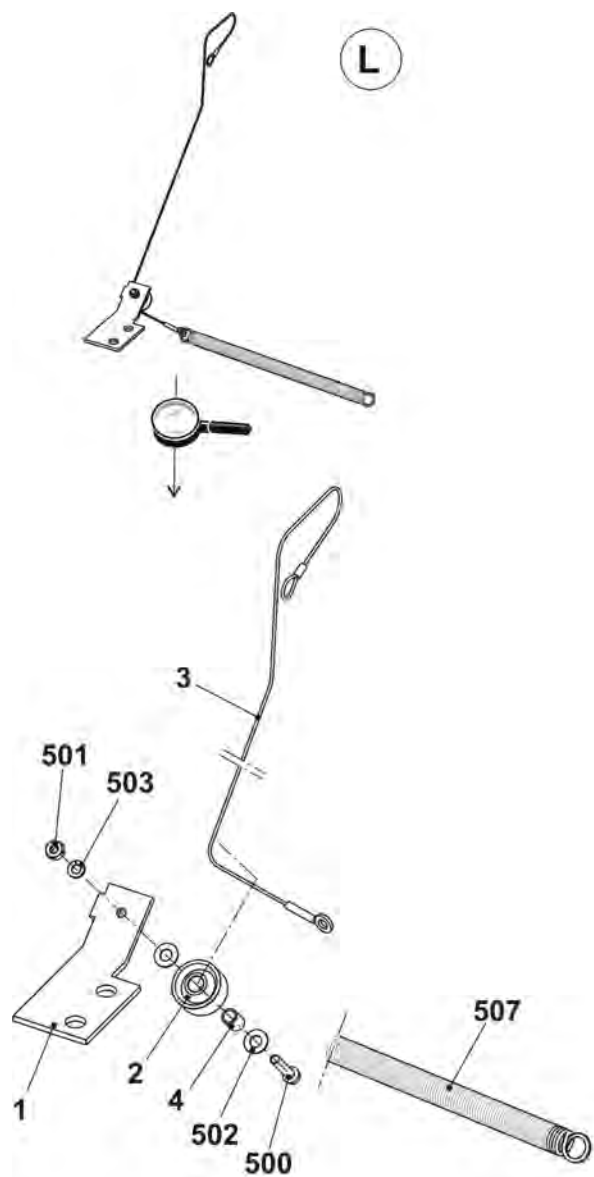
7.1.2 Left bearing of the auxiliary take-down

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



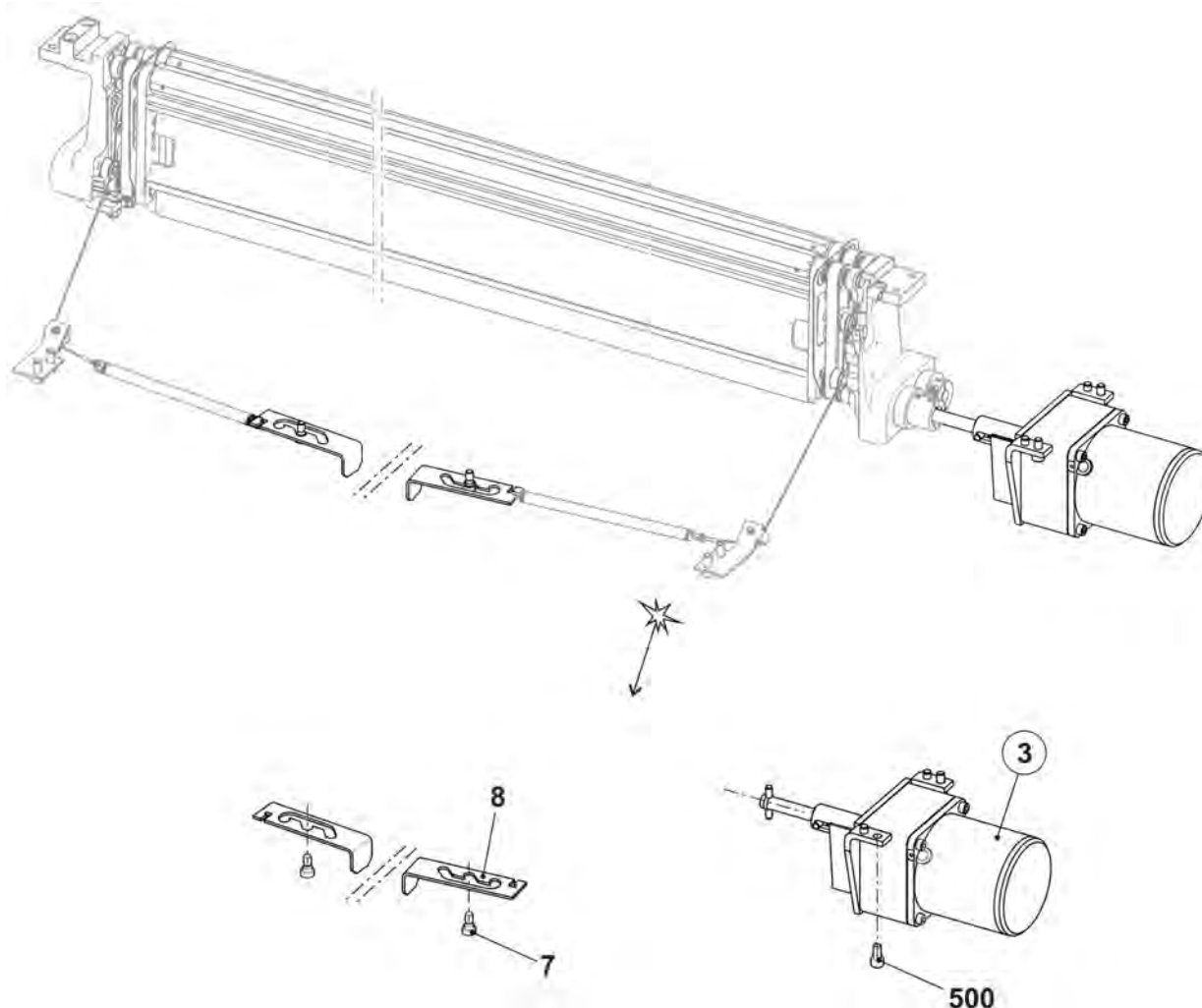
7.1.3 Metal angle on the left and right complete

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



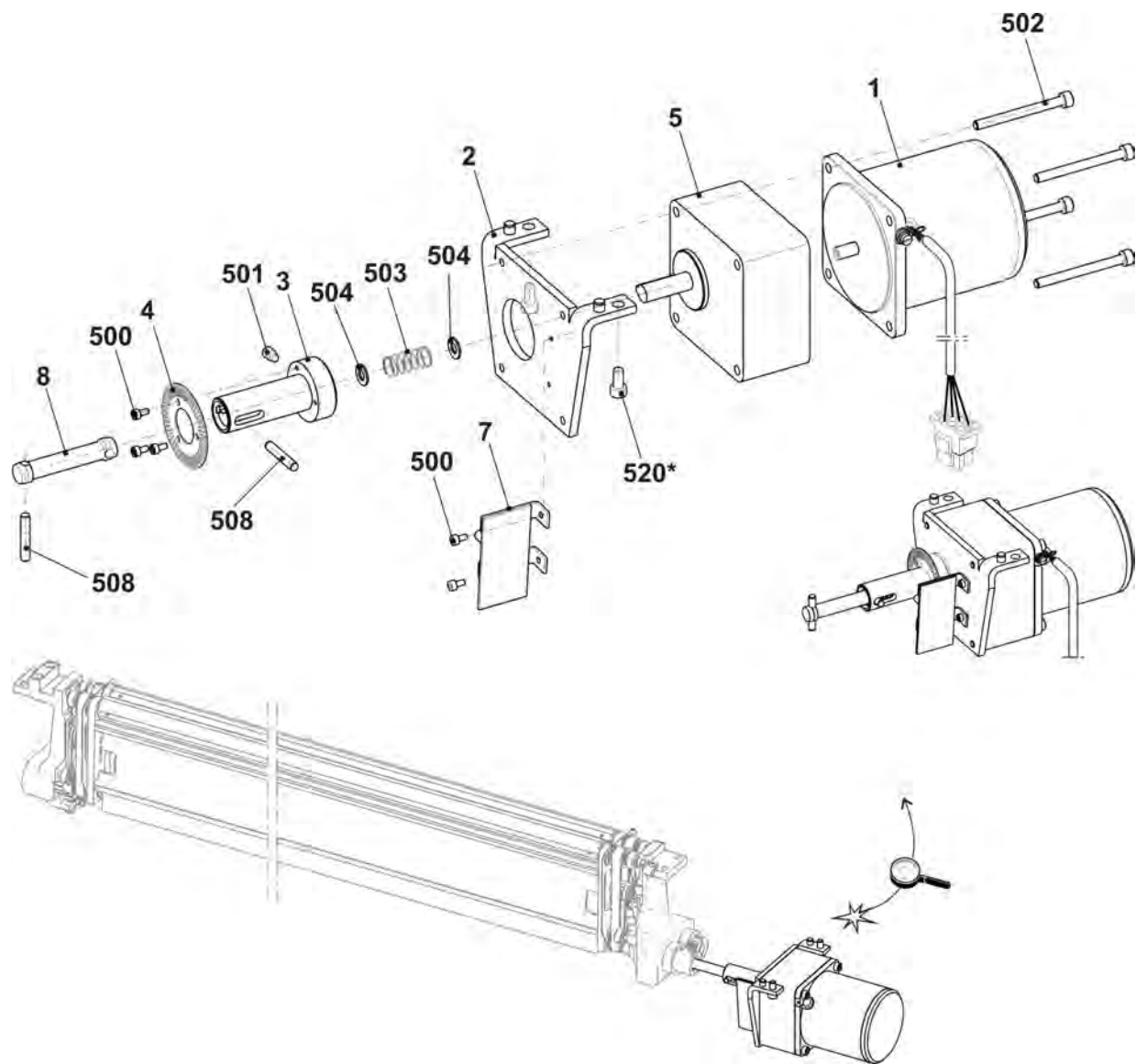
7.2 Auxiliary take-down in the middle

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



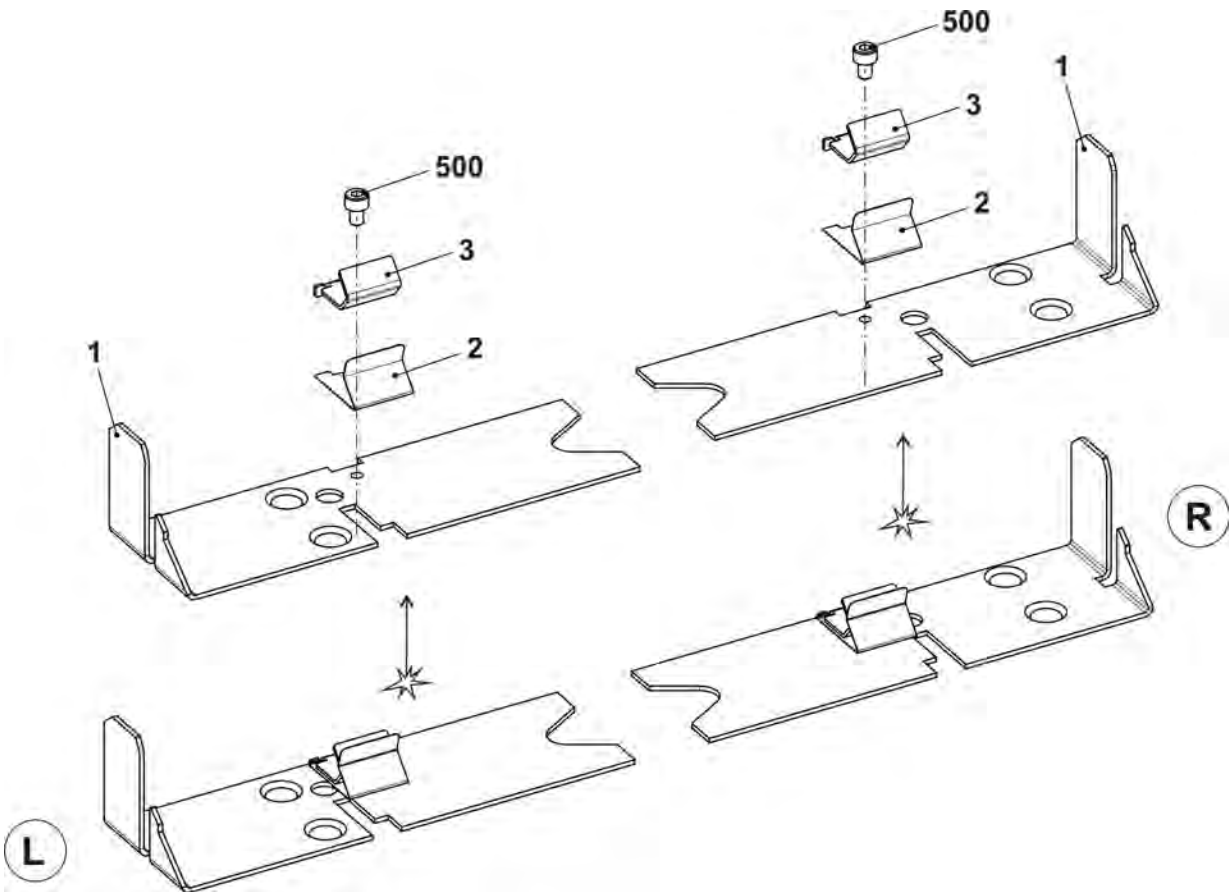
7.3 Motor

Pos	Designation	Id	Pos	Designation	Id
Σ	Motor auxiliary take-down complete	214 449			
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
8	Shaft	219 025	520*	Cap screw M6x12	020 134

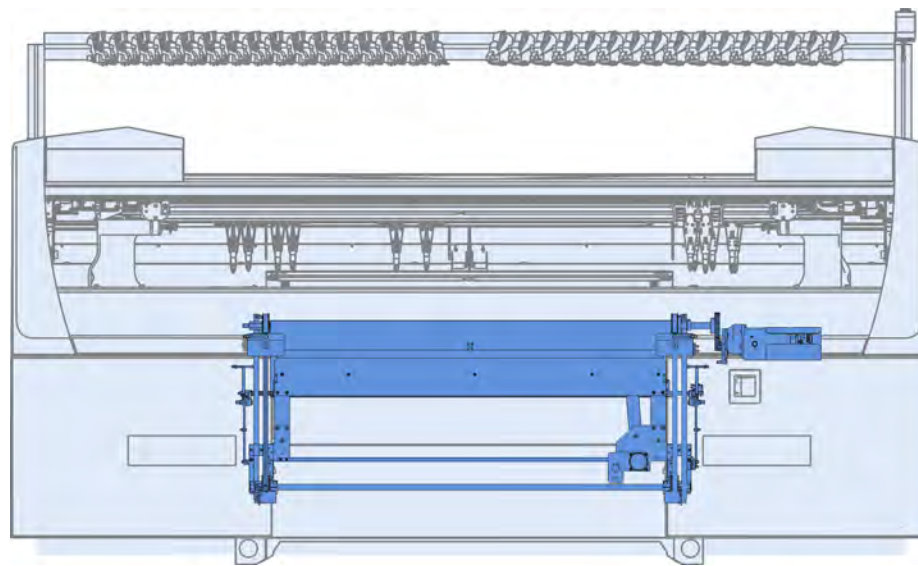


7.4
Yarn brake at clamping and cutting bed

Pos	Designation	Id	Pos	Designation	Id
Σ L	Yarn brake on the left	256 740	Σ R	Yarn brake on the right	256 715
1	Cover on the left	256 739	3	Cover on the right	256 714
2	Leaf spring	256 712	1	Leaf spring	256 712
3	Test clamping plate	256 713	2	Test clamping plate	256 713
500	Cap screw M4x6	023 067	500	Cap screw M4x6	023 067

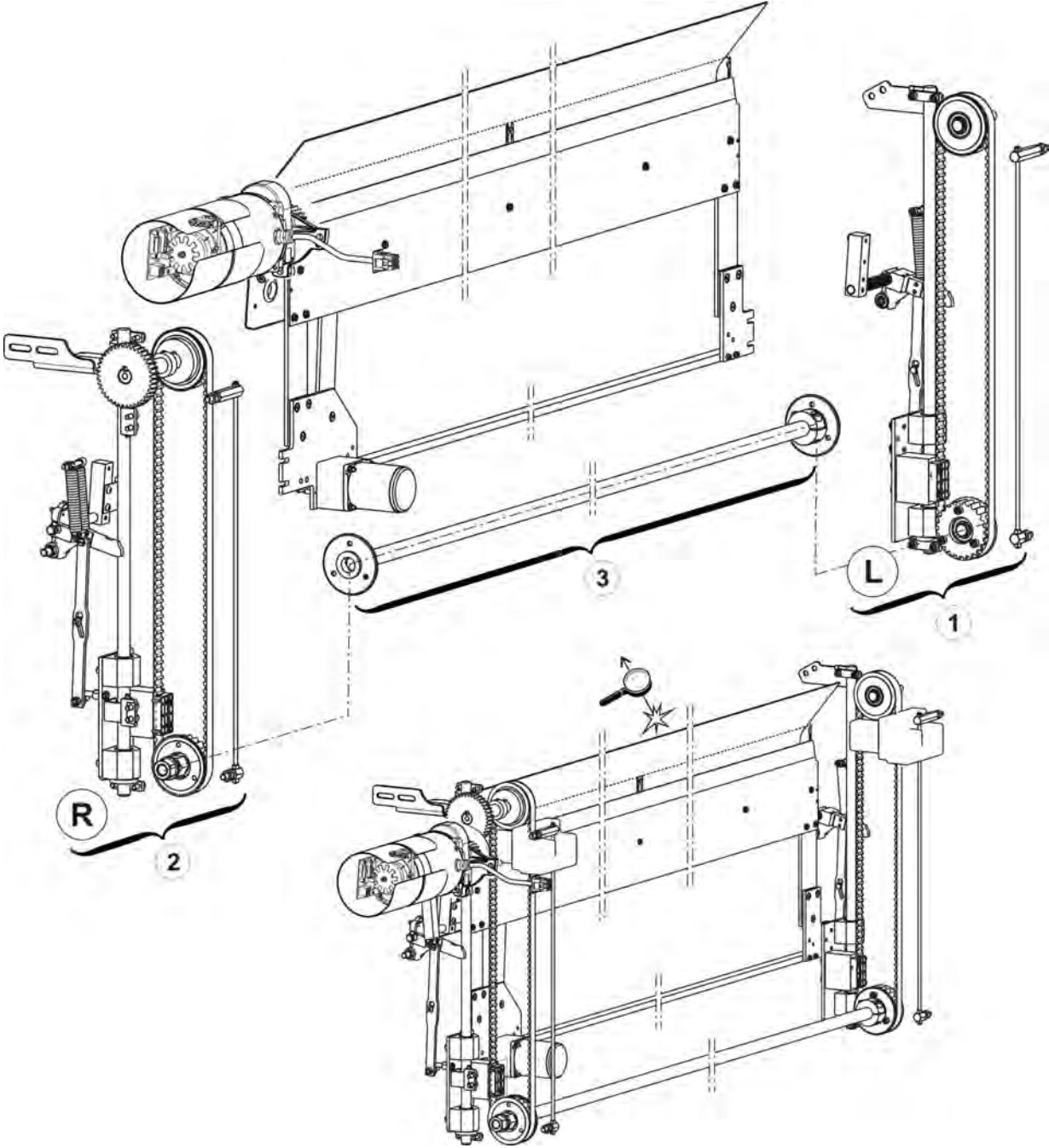


8 Comb Take-down



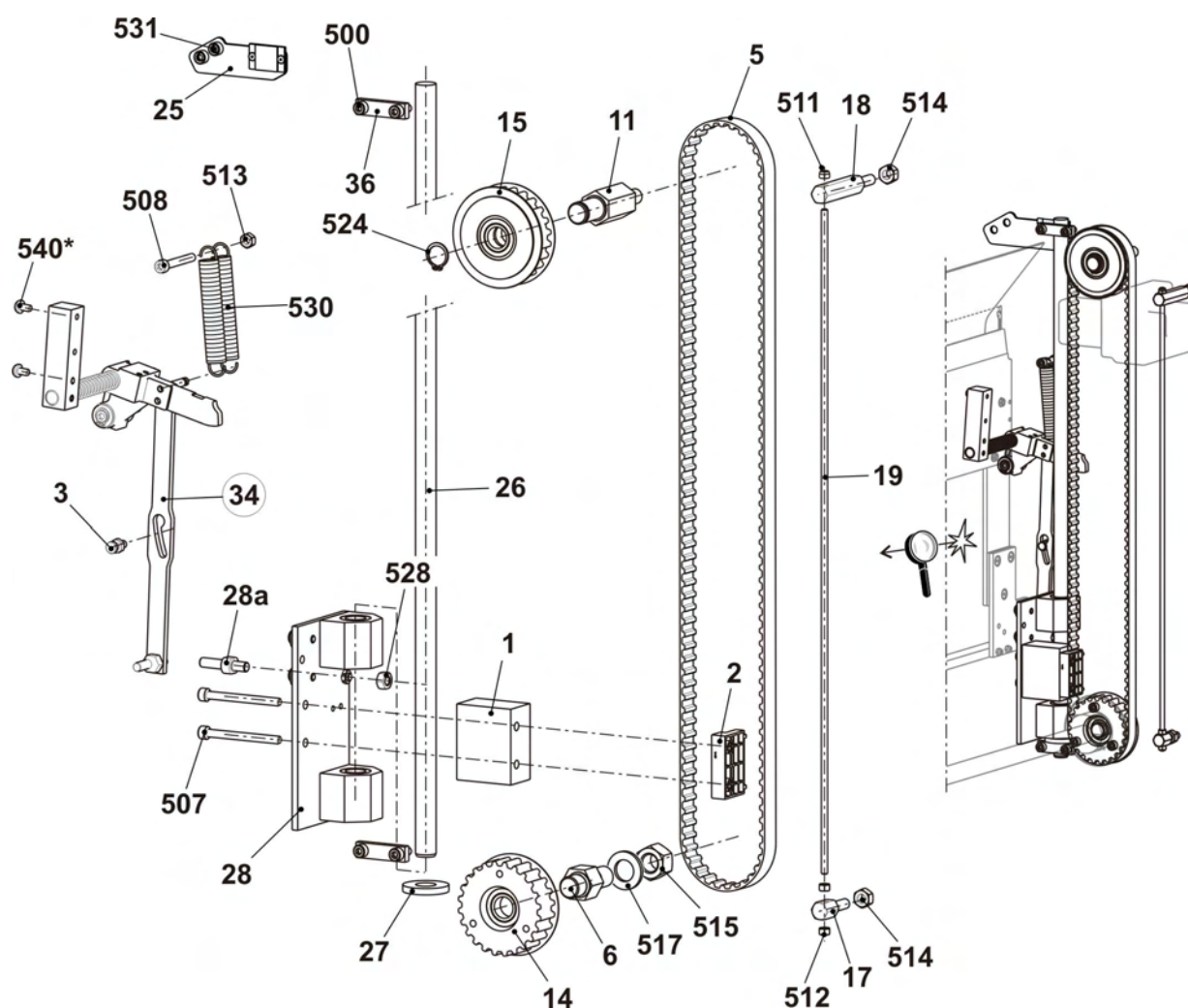
8.1 Comb Take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down				
1	Comb take-down on the left	256 834	3	Comb take-down in the middle E14 E7.2	253 590
2	Comb take-down on the right	256 835		Comb take-down in the middle E16 E8.2	253 591
3	Comb take-down in the middle E12	253 522		Comb take-down in the middle E18	253 592



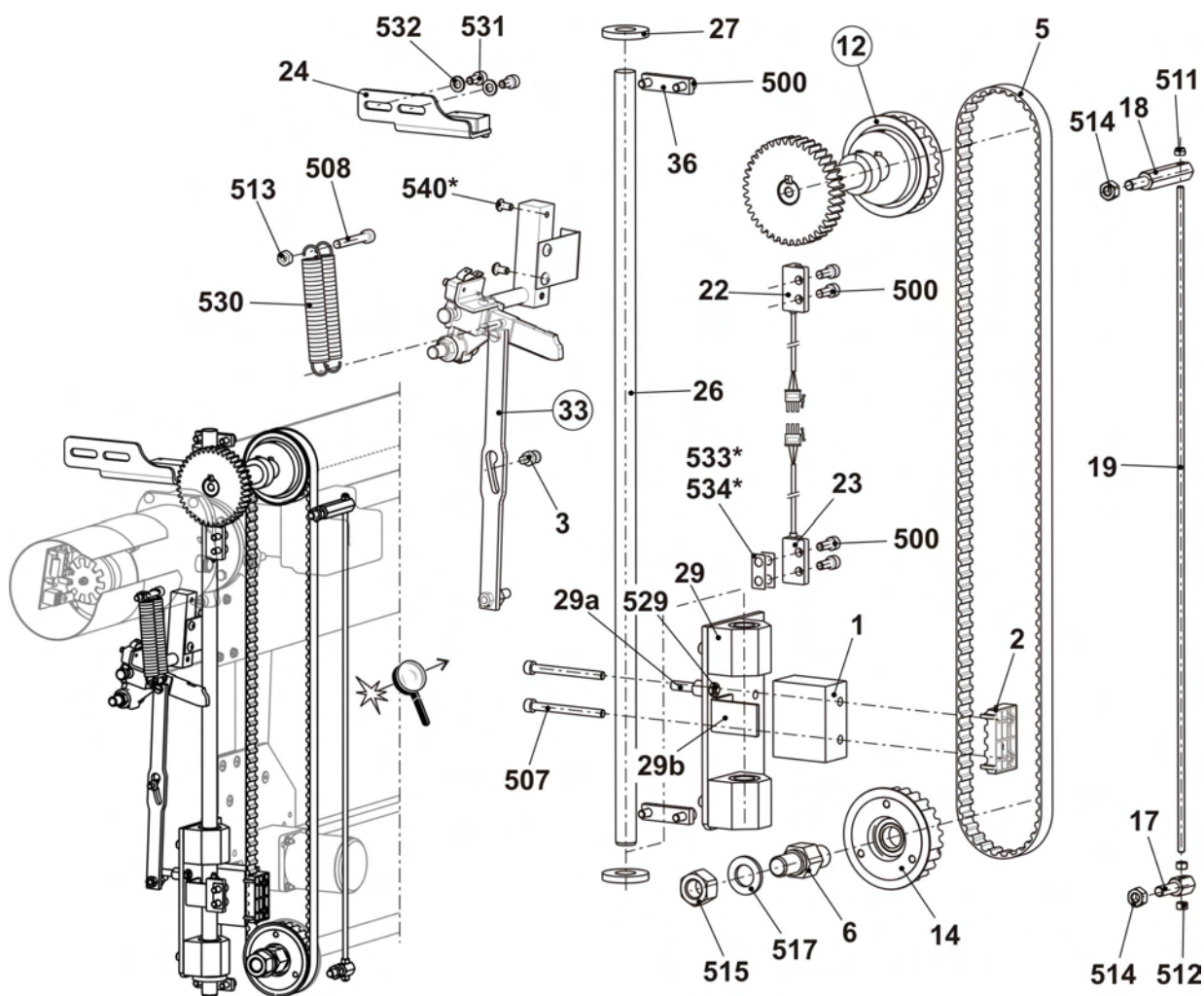
8.2 Comb take-down on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the left	256 834			
1	Clamping piece	209 379		528 Hexagon nut M8-6	020 838
2	Pressure plate	241 967	34	Swivel lever on the left	252 859
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
11	Bolts	207 689	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
15	Toothed lock washer at the top complete	211 823	512	Hexagon nut M5-6	020 835
17	Stay bolt	222 315	513	Hexagon nut M6-6	020 836
18	Stay bolt	240 056	514	Hexagon nut M8-6	020 838
19	Threaded rod M5	240 057	515	Hexagon nut M16-6	020 845
25	Reflector complete	256 826	517	Washer 16	020 876
26	Guide bar C35	206 560	524	Retaining ring 17x1	023 299
27	Rubber buffer	206 561	530	Tension spring Din2097 15x1,50x70,94	251 614
28	Comb guide on the left	255 425	531	Cap screw M6x12	020 134
28a	Driving bolt	255 427	540*	Pan-head screw M5x10	023 247



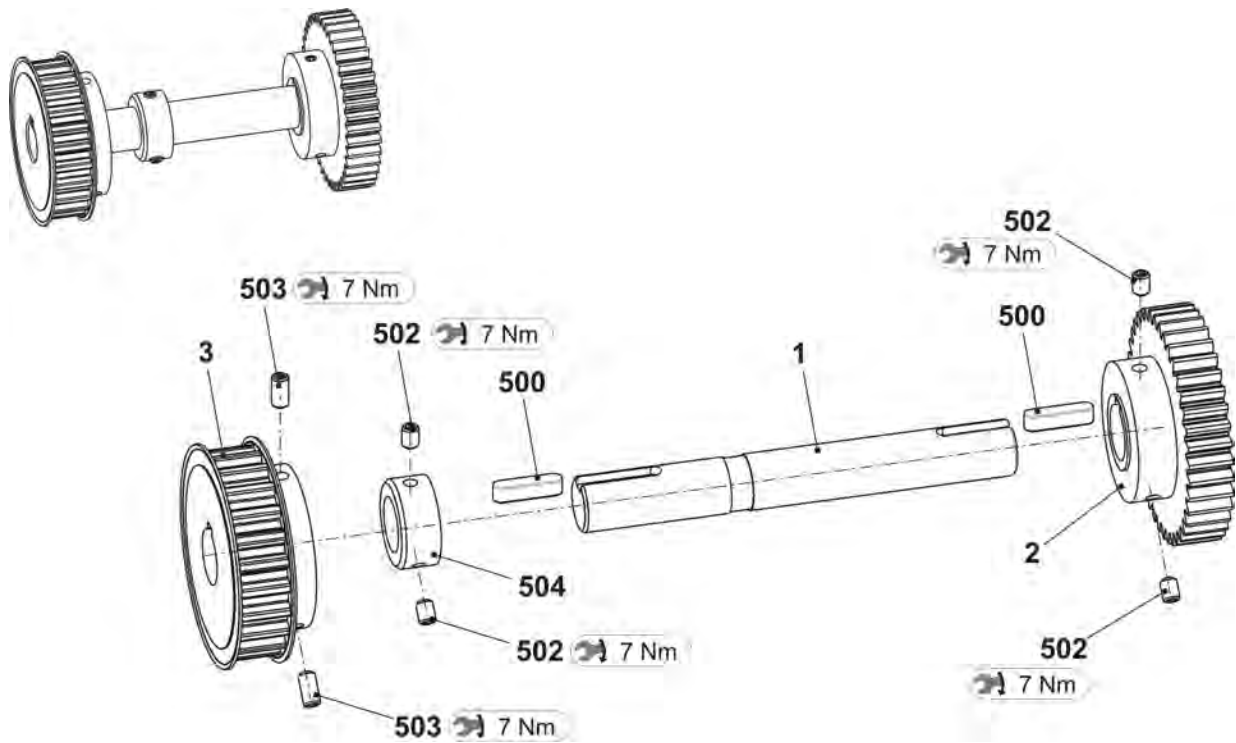
8.3 Comb take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the right	256 835			
1	Clamping piece	209 379	529	Hexagon nut M8-6	020 838
2	Pressure plate	241 967	33	Swivel lever on the right	252 858
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
12	Drive shaft comb complete	214 583	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
17	Stay bolt	222 315	512	Hexagon nut M5-6	020 835
18	Stay bolt	240 056	513	Hexagon nut M6-6	020 836
19	Threaded rod M5	240 057	514	Hexagon nut M8-6	020 838
22	Proximity switch inductive at the top	231 516	515	Hexagon nut M16-6	020 845
23	Proximity switch inductive at the bottom	231 520	517	Washer 16	020 876
24	Light barrier complete	256 825	530	Tension spring 15x1,50x70,94	251 614
26	Guide bar C35	206 560	531	Cap screw M6x12	020 134
27	Rubber buffer	206 561	532	Washer 6	020 872
29	Comb guide on the right	255 424	533*	Shim 0,2x12x27	023 735
29a	Driving bolt	255 427	534*	Shim 0,5x12x27	023 736
29b	Angle	240 112	540*	Pan-head screw M5x10	023 247



8.3.1 Drive shaft of comb

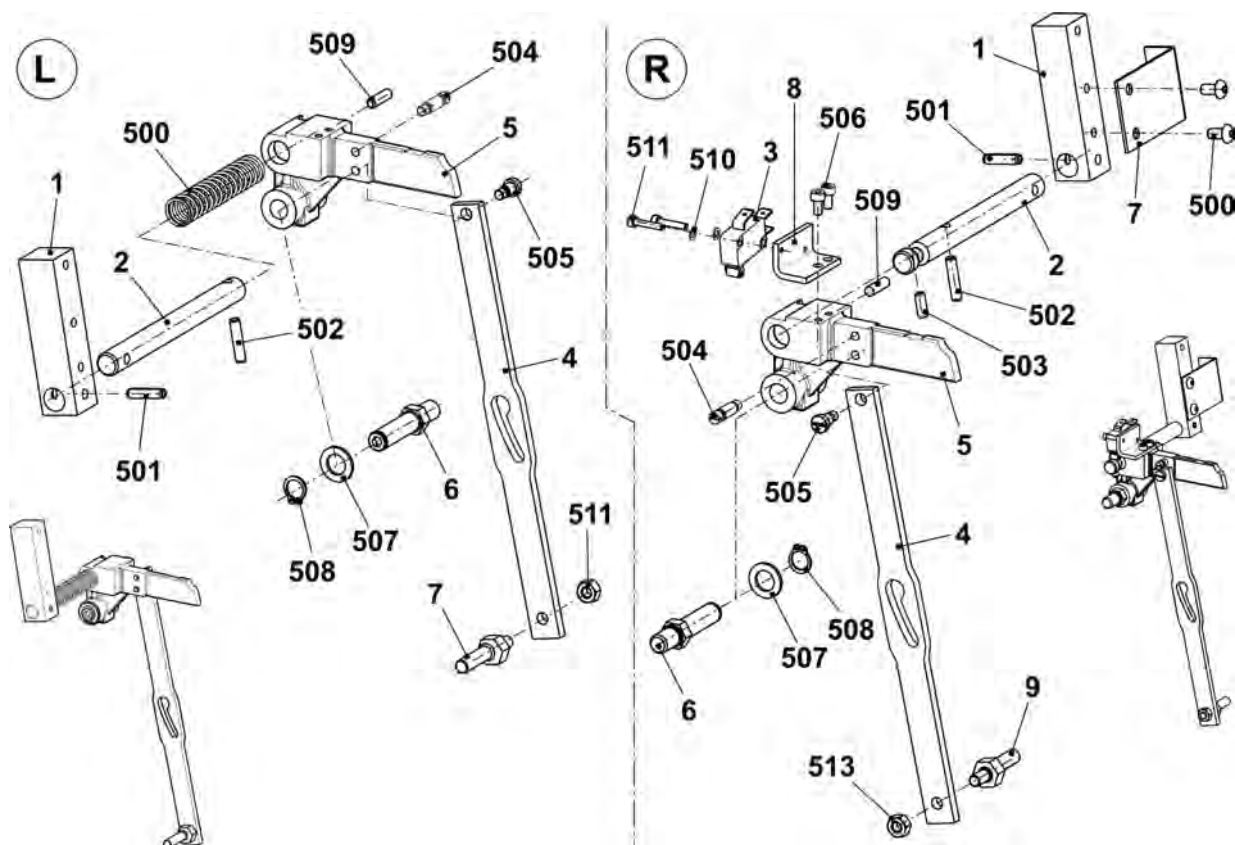
Pos	Designation	Id	Pos	Designation	Id
Σ	Drive shaft comb complete	214 583			
1	Shaft	213 969	500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744	502	Setscrew M6x8	022 684
	Always order position 502 additionally		503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394	504	Set collar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



8.3.2 Swivel lever comb take-down

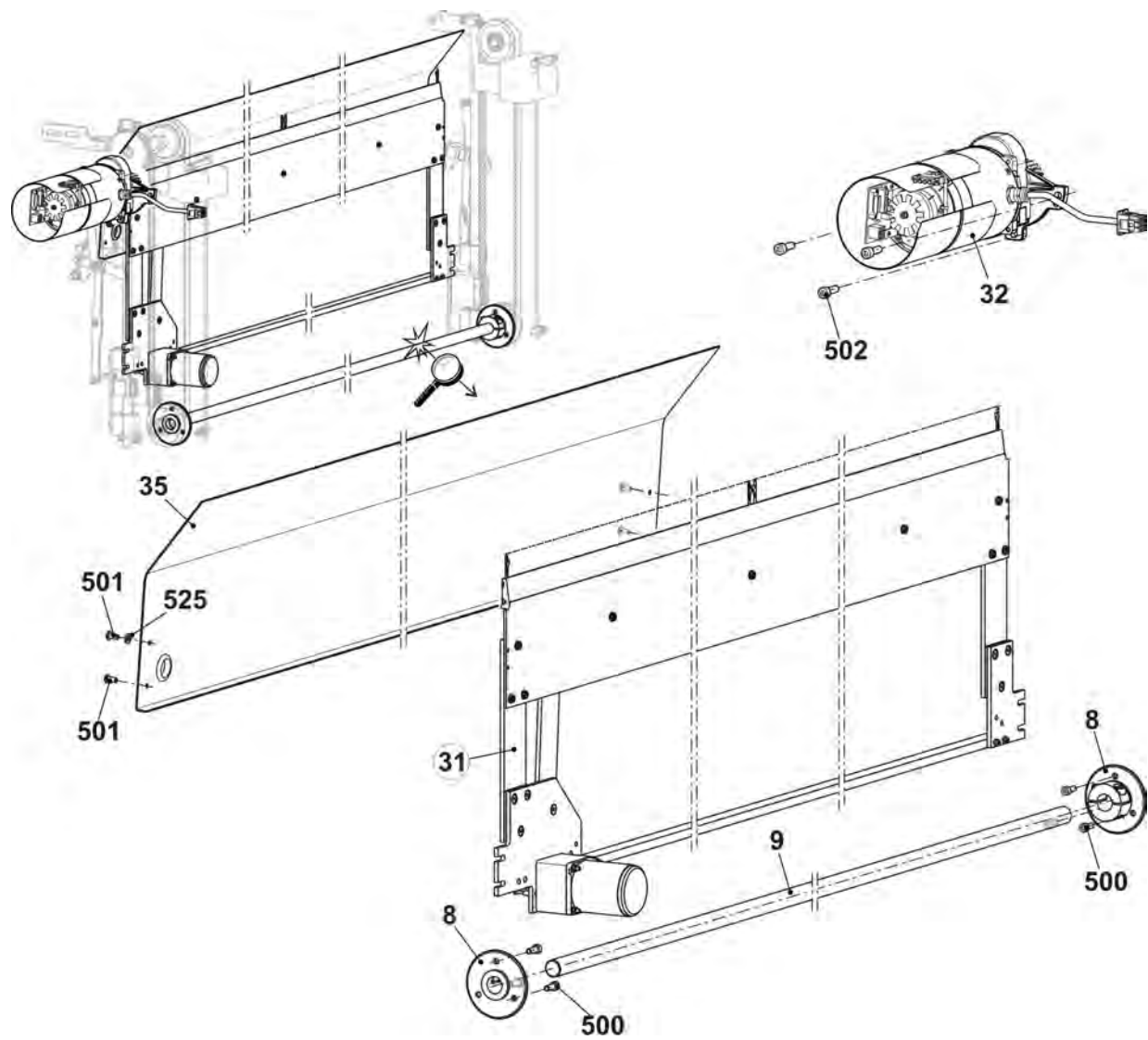
Pos	Designation	Id
Σ L	Swivel lever on the left	252 859
1	Support	252 780
2	Shaft	223 994
4	Plunger	255 650
5	Swivel lever	239 248
6	Bolts	214 053
7	Eccentric bolt	255 651
500	Compression spring 1,4x13,6x93	023 572
501	Spring dowel sleeve Iso8752-5x20	020 794
502	Dowel pin5x22	023 716
504	Shoulder screwM5x29x35	251 618
505	Shoulder screw M5x5,8x6,2	023 365
507	Washer 10	020 884
508	Retaining ring	020 950
509	Shoulder screw M5x12x18	020 539
511	Hexagon nut M8-6	020 838
Σ R	Swivel lever on the right	252 858
1	Support	252 780
2	Shaft	238 339

Pos	Designation	Id
3	Microswitch	026 259
4	Plunger	255 650
5	Swivel lever	239 248
6	Bolts	214 053
7	Angle	224 009
8	Angle	238 304
9	Eccentric bolt	255 651
500	Pan-head screw M5x10	023 247
501	Spring dowel sleeve 5x20	020 794
502	Dowel pin5x22	023 716
503	Spring dowel sleeve 5x12	020 793
504	Shoulder screwM5x29x35	251 618
505	Shoulder screw M5X5,8X6,2	023 365
506	Cap screw M4x8	022 501
507	Washer 10	020 884
508	Retaining ring10x1	020 950
509	Shoulder screwM5X12X18	020 539
510	Cap screw M3x16	022 583
511	Washer 3	020 877
513	Hexagon nut M8-6	020 838



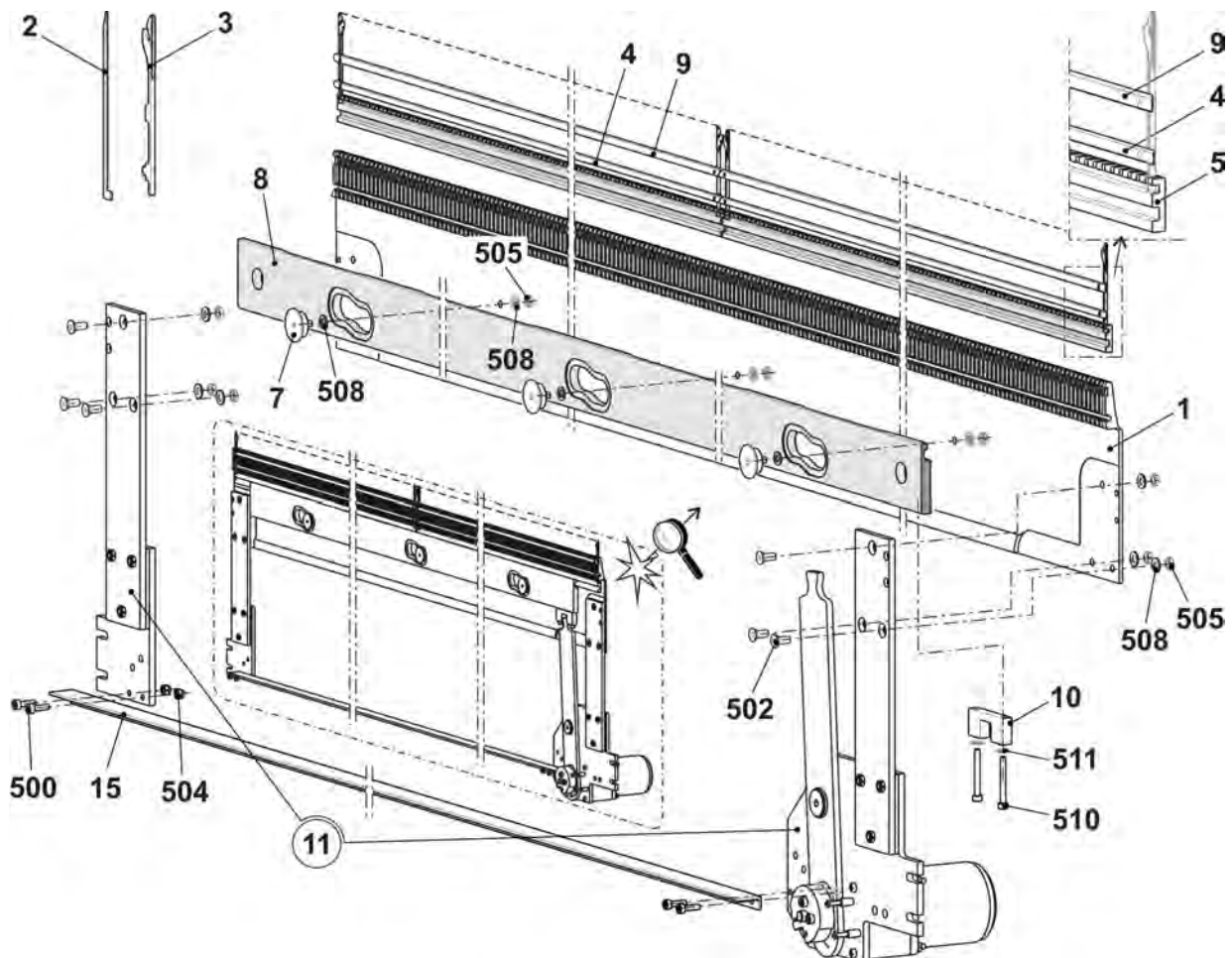
8.4 Comb take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down in the middle		31	Comb unit	
	E12	253 522	E12		240 061
	E14 E7.2	253 590	E14 E7.2		241 534
	E16 E8.2	253 591	E16 E8.2		241 535
	E18	253 592	E18		241 536
8	Flange	207 695	32	Motor take-down unit complete	253 803
9	Shaft long	213 968	35	Marking plate	259 237
500	Cap screw M6x16	020 135	502	Cap screw M8x25	020 142
501	Pan-head screw M5x10	023 247	525	Serrated lock washer J5,3	022 489



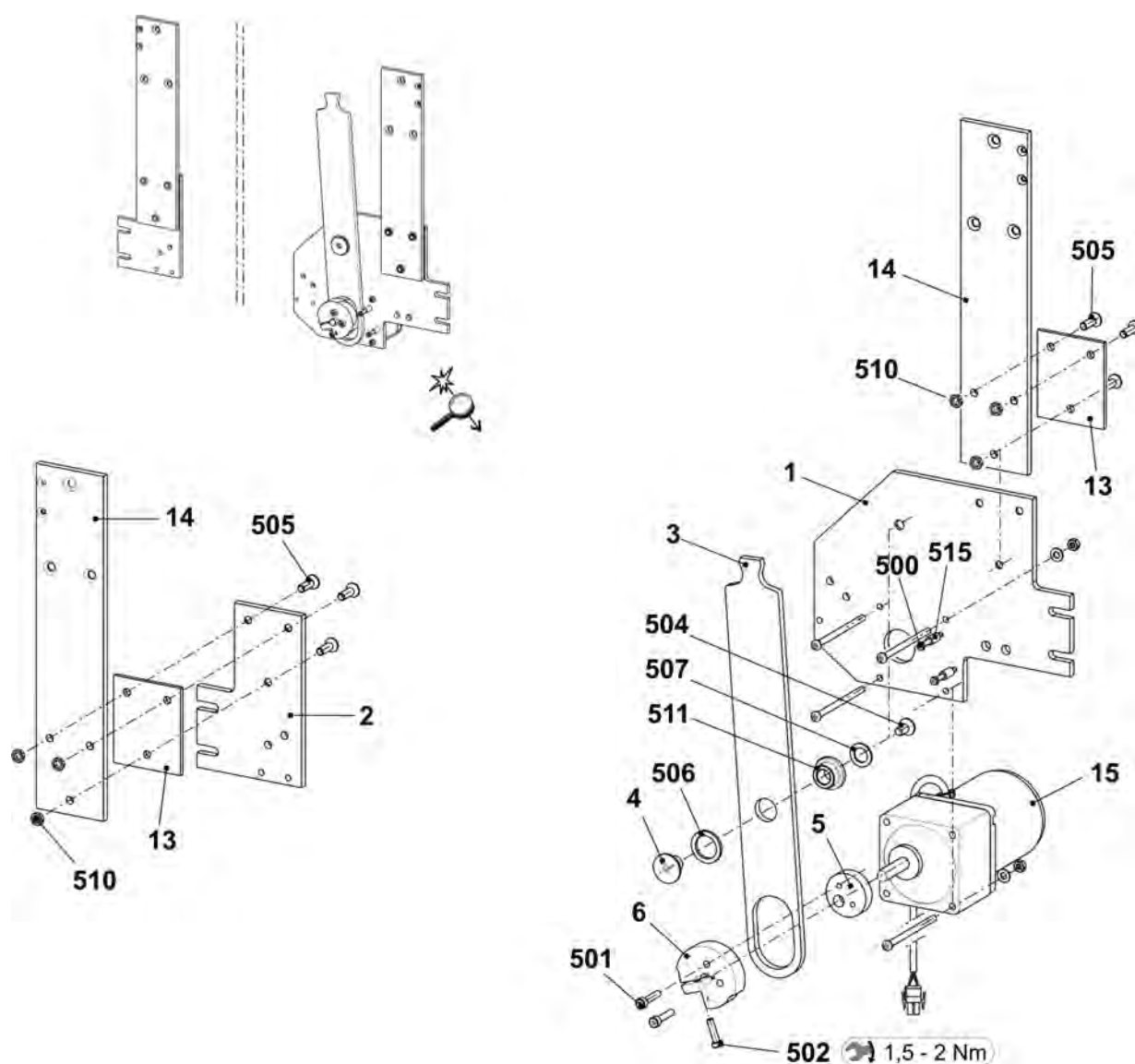
8.4.1 Comb unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb unit		5	Hook slider	
	E12	240 061		E12 E16 E8.2	220 994
	E14 E7.2	241 534		E14 E7.2	220 993
	E16 E8.2	241 535		E18	220 997
	E18	241 536	7	Collar bolt complete	211 036
1	Hook bed		8	Cross slider	213 429
	E12	221 197	9	Cover rail	222 866
	E14 E7.2	221 198	10	Plunger	205 678
	E16 E8.2	221 199	11	Switching lever complete	240 060
	E18	221 200	15	Stabilizer	263 892
2	Closer		500	Cap screw M4x12	022 664
	E10 E12 E14 E7.2	230 106	502	Countersunk head screw M5x12	023 340
	E16 E18 E8.2	230 107	504	Hexagon nut M4-8	023 046
3	Body		505	Hexagon nut M5-04	020 854
	E10 E12 E14 E7.2	230 094	508	Washer 5	020 871
	E16 E18 E8.2	230 095	510	Cap screw M4x35	023 550
4	Cover rail	213 428	511	Circlip	022 774

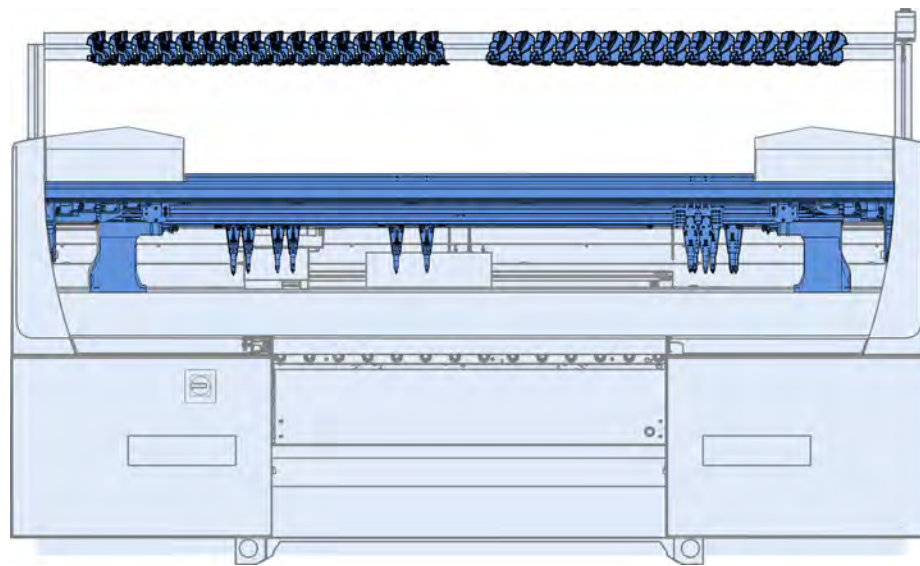


8.4.2 Switching lever comb take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Switching lever complete	240 060	500	Cap screw M3x25	023 093
1	Screw-on plate on the right	240 058	501	Cap screw M4x20	023 171
2	Screw-on plate on the left	240 059	502	Cap screw M4x16	023 123
3	Lever	215 228	504	Pan-head screw M6x12	023 435
4	Bearing bolt	215 675	505	Pan-head screw M5x16	023 417
5	Eccentric	205 681	506	Shim ring 16x22x2	023 449
6	Tension cam	215 287	507	Shim ring 10x16x1	023 260
13	Intermediate plate	213 980	510	Hexagon nut M5	020 854
14	Holding plate	218 977	511	Collar bearing 10x16x22	022 841
15	Motor comb hook with 2 phases	244 635	515	Threaded spacer	210 488

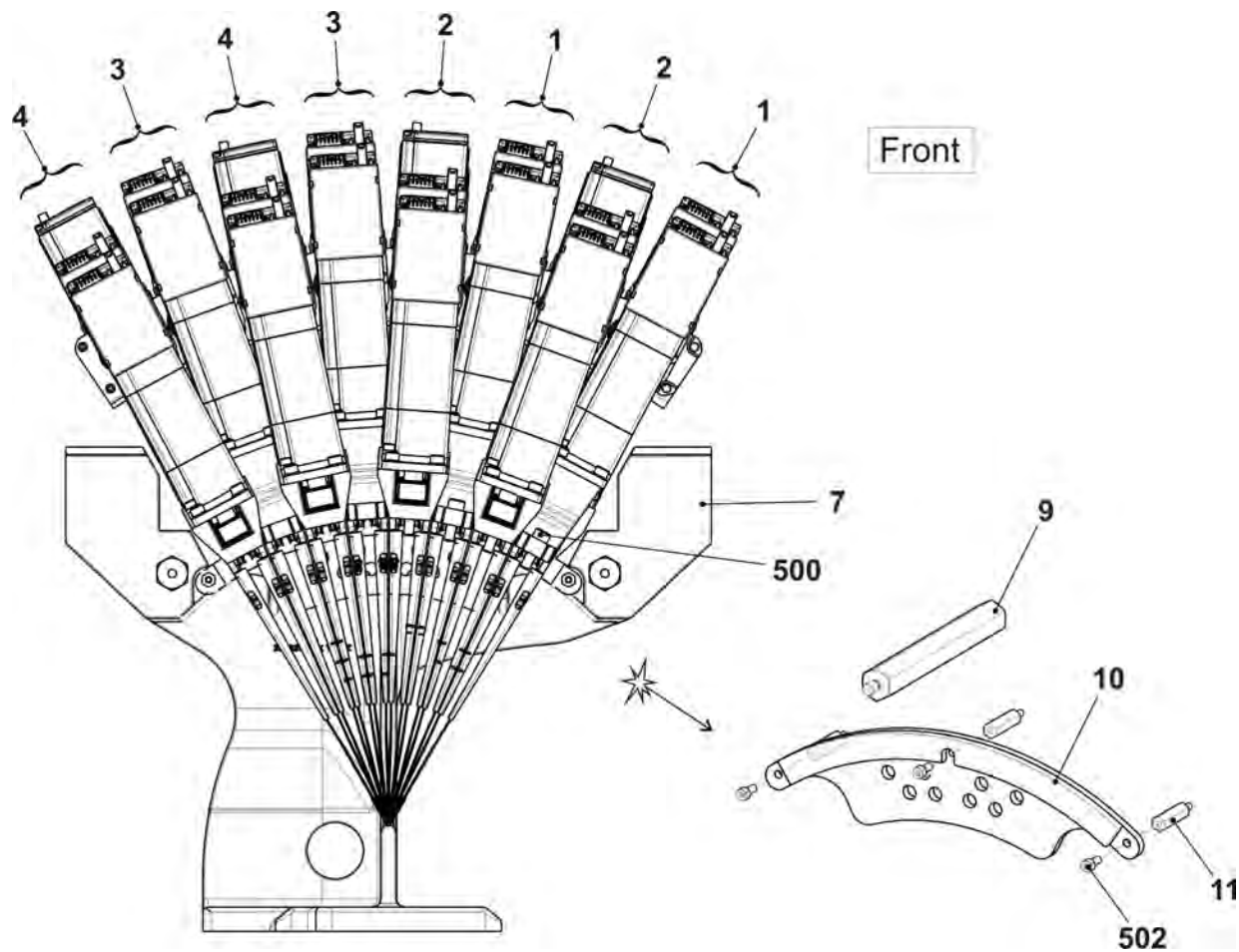


9 Yarn delivery device



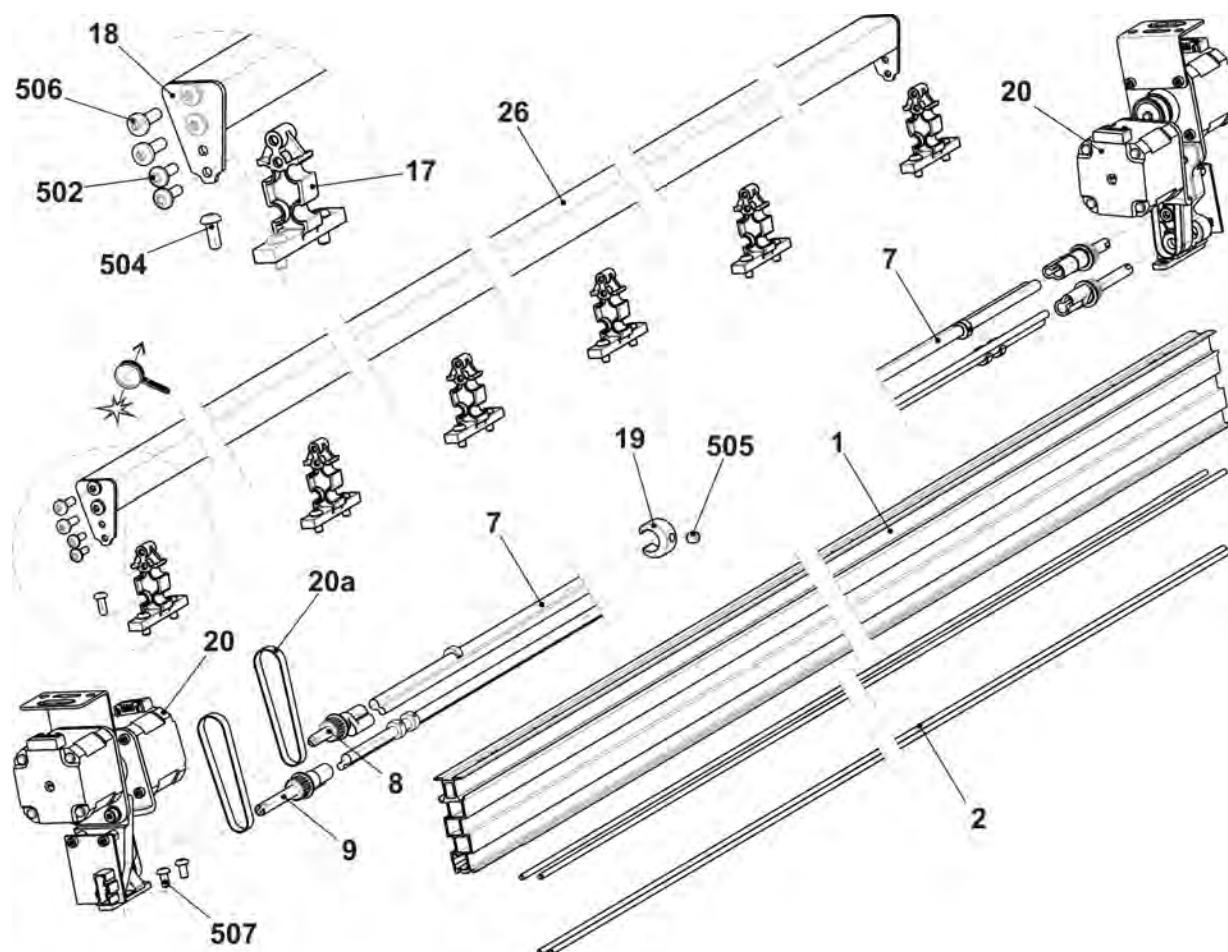
9.1 Drive unit yarn carrier complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive unit yarn carrier complete				
	E10-14 (E7.2 und E8.2)	257 994	4	YC-Rail 4, equipped (E10-14)	261 926
	E16-18	263 803		YC-Rail 4, equipped (E16-18)	264 213
1	YC-Rail 1, equipped (E10-14)	257 997	7	FF support	261 526
	YC-Rail 1, equipped (E16-18)	264 210	9	Stay bolt	261 767
2	YC-Rail 2, equipped (E10-14)	261 924	10	Stop point complete	260 346
	YC-Rail 2, equipped (E16-18)	264 211	11	Stop bolt	259 818
3	YC-Rail 3, equipped (E10-14)	261 925	500	Cap screw M6x20	020 136
	YC-Rail 3, equipped (E16-18)	264 212	502	Cap screw M4x10	023 136

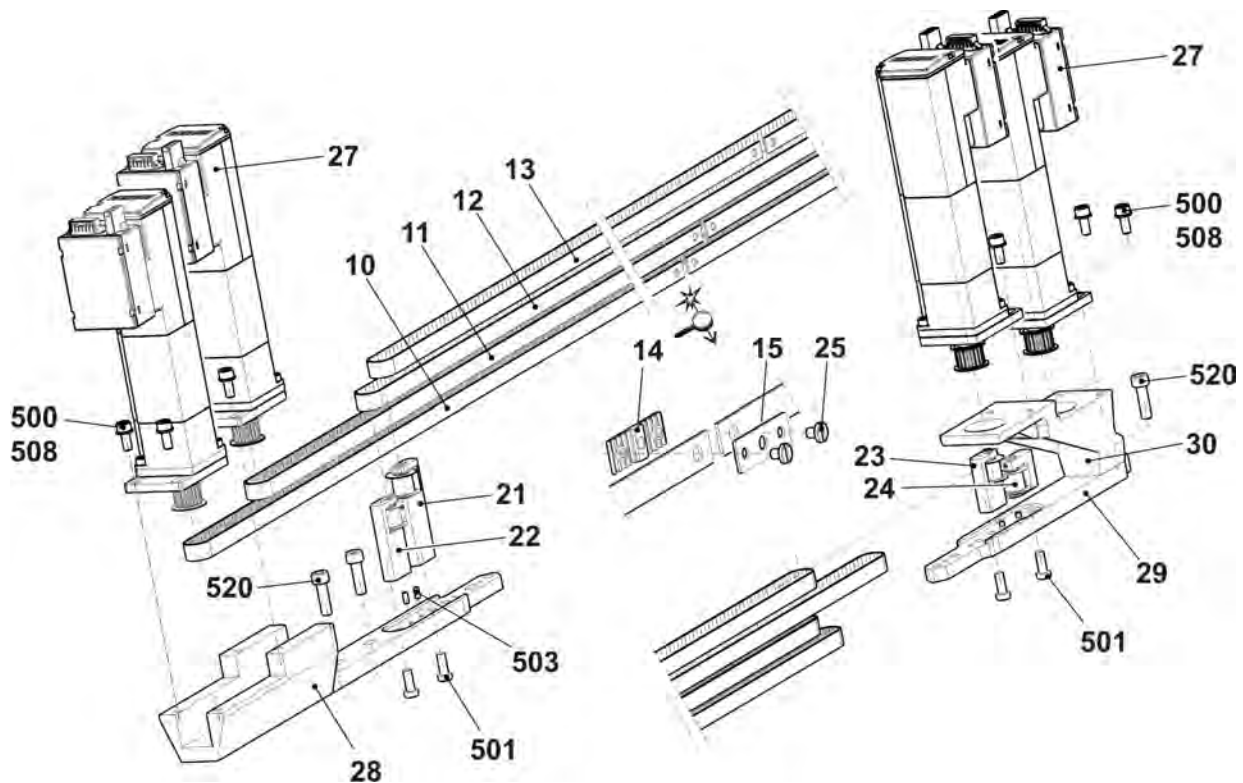


9.2 YC rail, drive of operating shaft

Pos	Designation	ID	Pos	Designation	ID
1	Yarn carrier rail	257 782	20	Bearing block	258 029
2	Wire	261 768	20a	Toothed belt	258 003
7	Operating shaft	257 754	26	Yarn guide rod	264 209
8	Short coupling complete	257 839	502	Screw 35x10	251 729
9	Long coupling complete	257 838	504	Pan-head screw M4x10	023 450
17	Support	257 813	505	Set screw M3x3	263 507
18	Support sheet	264 226	506	Screw M4x12	023 367
19	Fixing ring	257 811	507	Pan-head screw M4x8	254 971

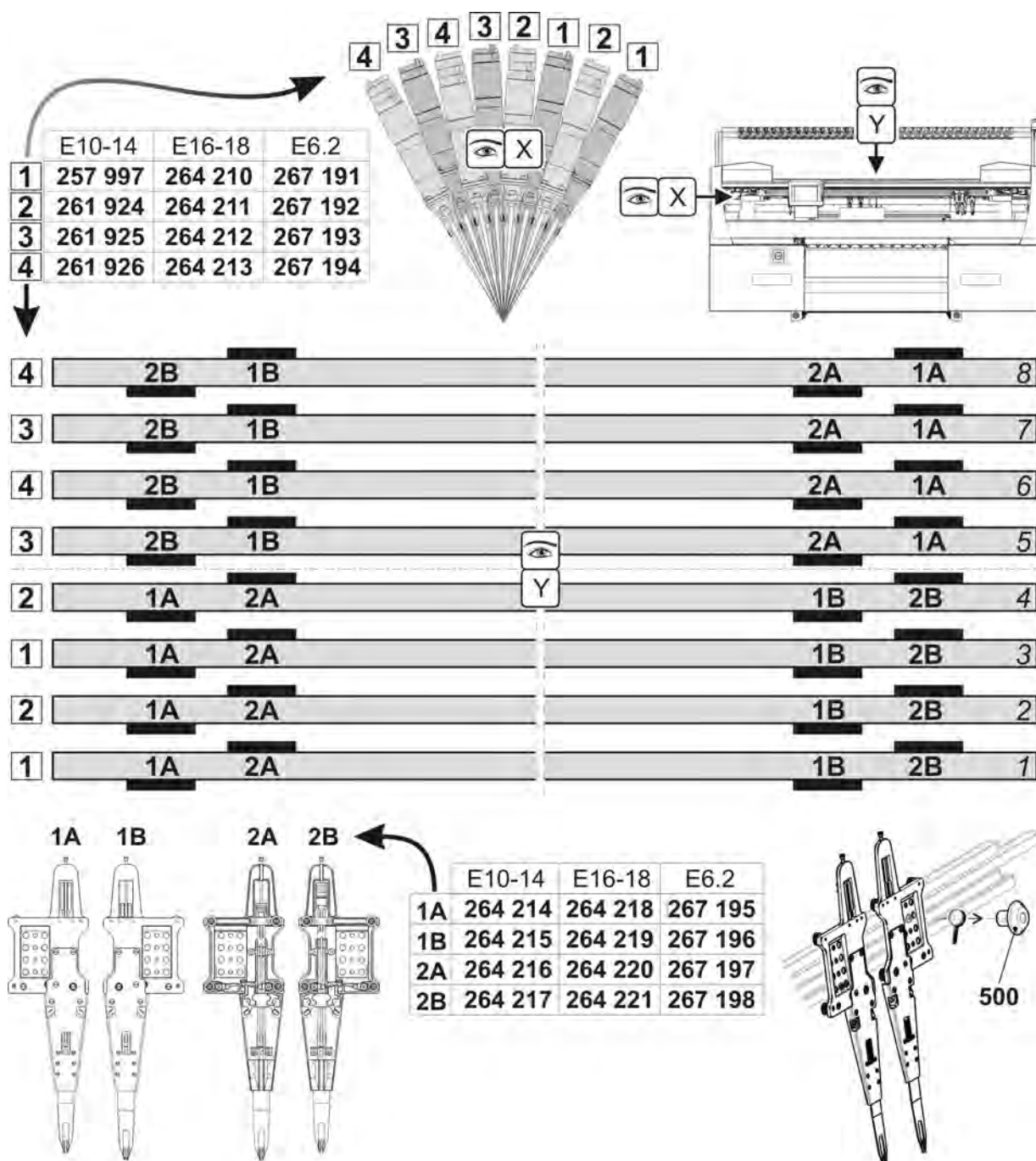


Pos	Designation	ID	Pos	Designation	ID
10	Toothed belt3M HP 5058	257 874	27	Drive unit pre-assembled	257 998
11	Toothed belt3M HP 4860	257 873	28	Bearing plate	261 775
12	Toothed belt3M HP 4758	257 872	29	Bottom bearing	261 887
13	Toothed belt3M HP 4563	257 871	30	Bearing	261 884
21	Bearing of deflection roller track 1	264 241	500	Cap screw M5x12	020 132
22	Bearing of deflection roller track 2	264 242	501	Cap screw M5x12-8.8	022 943
23	Bearing of deflection roller track 3	264 243	503	Dowel pin 3x6	245 292
24	Bearing of deflection roller track 4	264 244	508	Washer 5	259 666



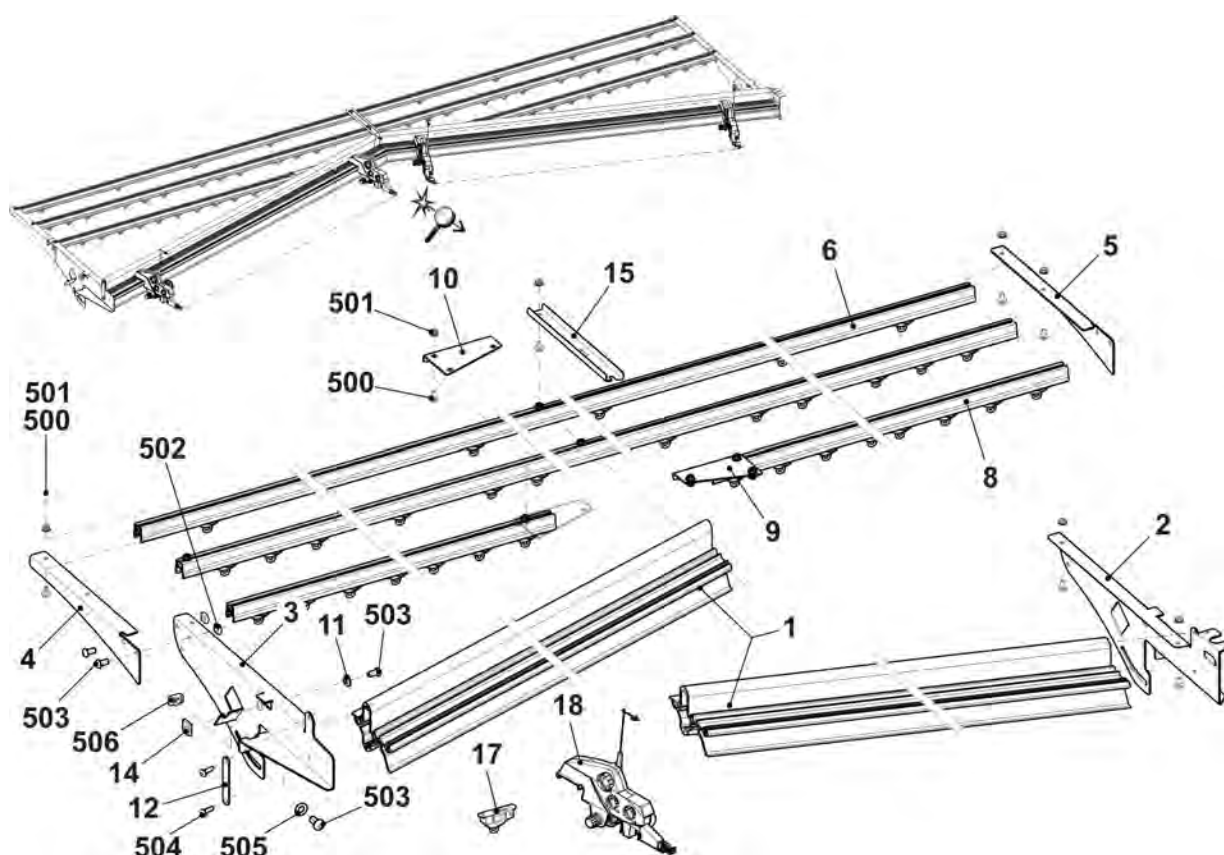
9.4 Yarn carrier rails and carriages

Pos	Designation	Pos	Designation	ID
1, 2, 3, 4	Yarn carrier rail complete	500	Pan head screw M4x5	262 043
1A, 2A, 1B, 2B	Carriage of yarn carrier			

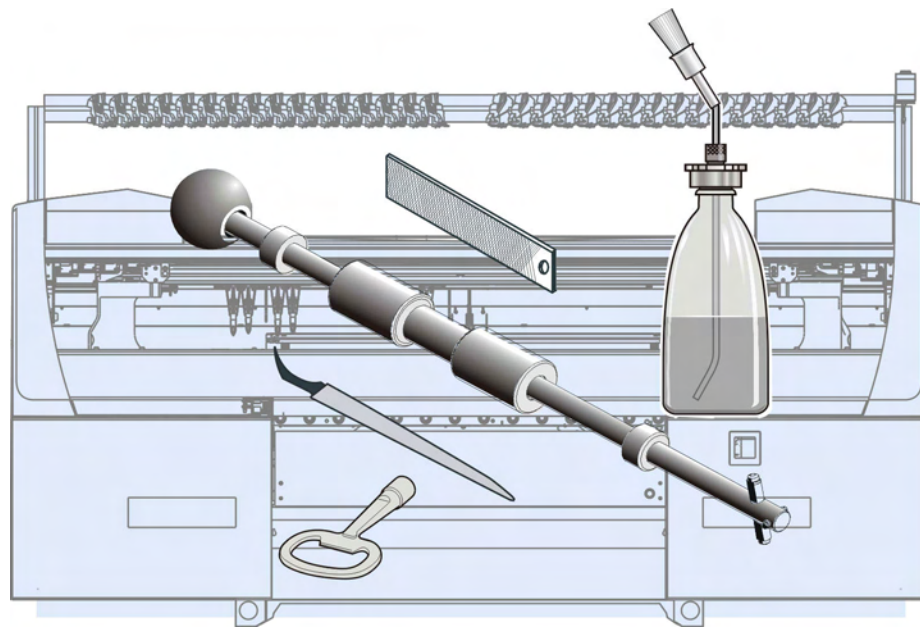


9.5 Yarn guide system with 32 FKE

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide device 32 FKE 50"	263 761			
1	Profile complete	263 504	14	Slot nut	228 851
2	Support on the right	263 508	15	Straps	263 772
3	Support on the left	263 506	17	Yarn guide bracket complete	241 581
4	Rear left support	263 509	18	Yarn control unit	263 685
5	Rear right support	263 510	500	Self-locking screw M6x12	023 415
6	Yarn guide bar	263 417	501	Serrated nut M6-10	023 414
8	Yarn guide bar	263 505	502	Square nut M8	023 269
9	Support right	263 425	503	Pan-head screw M8x16	023 113
10	Support on the left	263 424	504	Screw M6x20	023 721
11	Sleeve	263 525	505	Washer 8	020 873
12	Wedge	263 524	506	Hammer-head nutM8	261 845



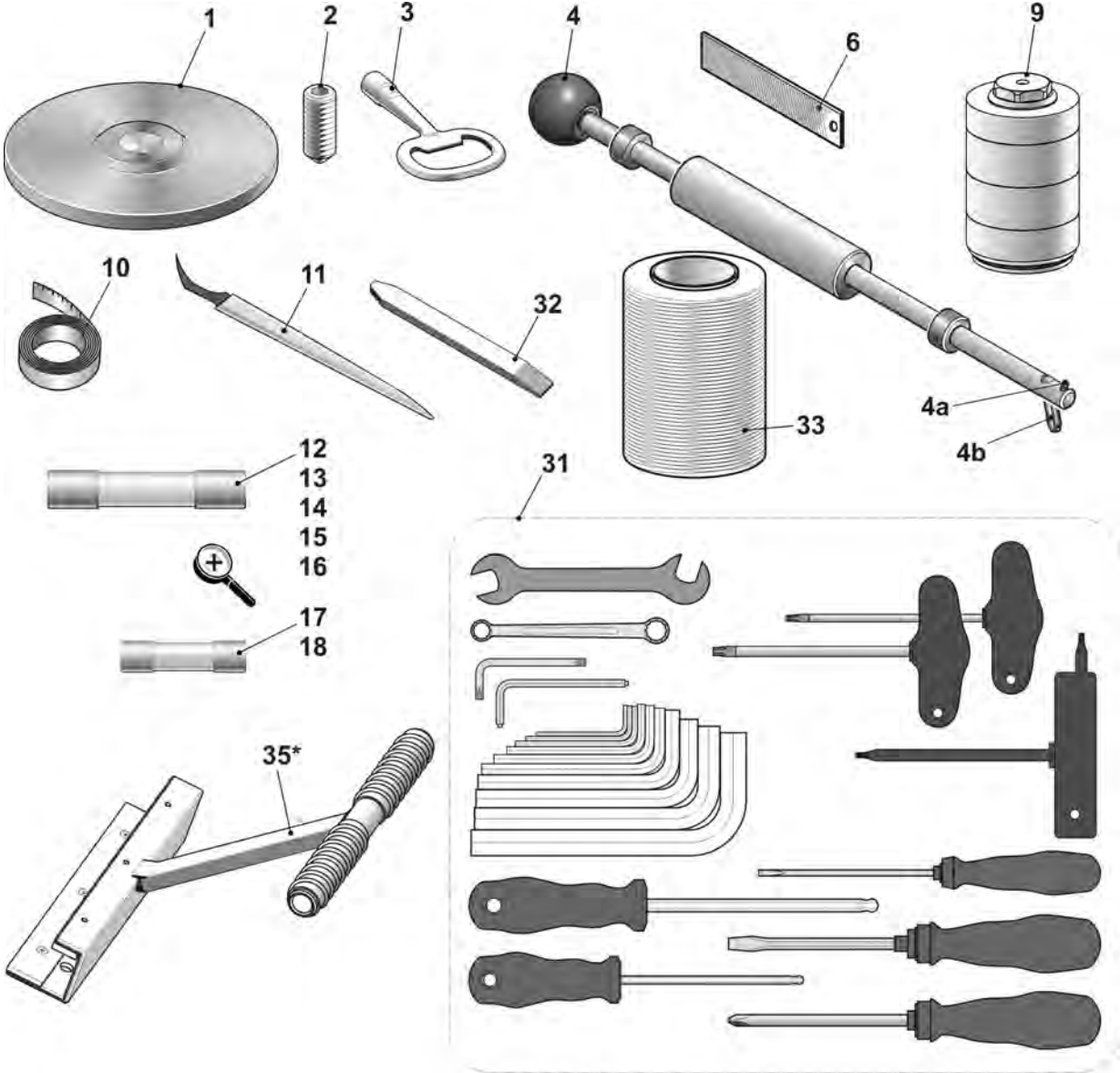
10 Deliverable accessories



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

10.1 Tool

Pos	Designation	Id	Pos	Designation	Id
1	Shim	056 569	13	Fuse 6,3A T/440V 6,3x32	026 809
2	Setscrew M16x40	244 061	14	Fuse 10A T/440V 6,3x32Fuse	025 258
3	Key of switch cabinet	009 346	15	Fuse 2,5A T/440V 6,3x32	217 465
4	Extraction hook	232 027	16	Fuse 1A T/440V 6,3x32	209 321
4a	Small pin	202 843	17	Fuse 1,6A T 5x20	008 715
4b	Pin	232 022	18	Micro fuse F1,0A	008 748
6	File	006 173	31	Tool kit	209 527
9	Signal lightLED	240 395	32	Channel chisel E14-20 (E5-14)	062 316
10	Measuring tape L=150cm	228 180	33	Elastic thread	209 266
11	Working hook	227 249	35*	Device needle bed complete	263 625
12	Fuse 3,15A T/440V 6,3x32	025 261			



10.2 Lubricating stuff

Pos	Designation	Id. no.	Pos	Designation	Id. no.
5	Silververtex T 46, 1l	230 614	7	White grease paste OKS270	229 372
6	Grease OKS 475, 150g	005 351	8	Oil combifix	216 732

