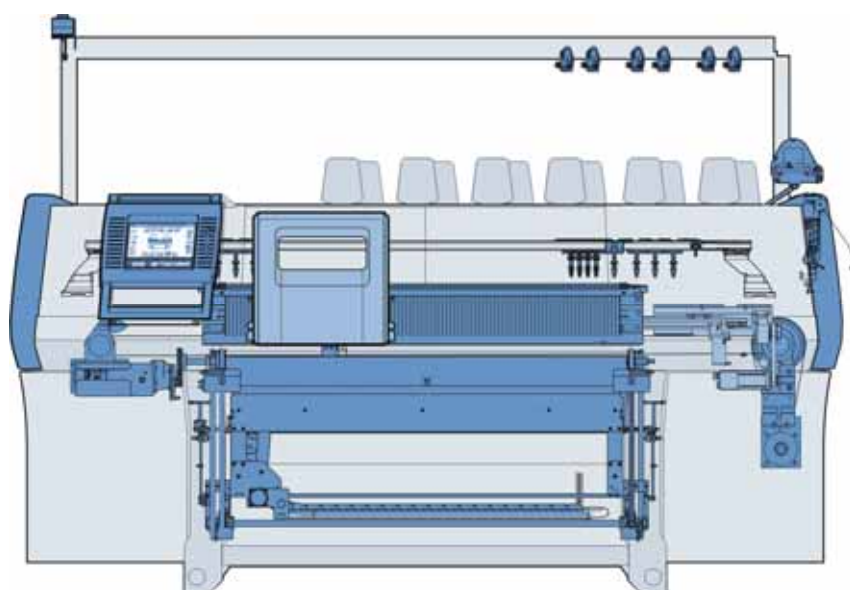


CMS 420E/MG

Component type 001



Impressum

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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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H. Stoll GmbH & Co.KG

Stollweg 1

D-72760 Reutlingen, Germany

Phone: +49 (07121) 313-289

Fax: +49 (07121) 313-347

e-mail: spareparts@stoll.com

Introduction

Notes for the order

This catalog serves to order spare parts.

It applies only to the machine type recorded on the title page.

With orders of spare parts we earnestly request the following details, as otherwise a satisfactory delivery of parts is not possible:

1. Type of machine, gauge, no. of machine.
2. Page no., specification, ident. no., quantity.

Please use the order form!

Use original spare parts from Stoll for repairing only.

Order form

Telefon +49 (7121) 313-289
Telefax +49 (7121) 313-347
email: spareparts@stoll.com

H. Stoll GmbH & Co. KG
PO box 2544

D-72715 Reutlingen

Order number

Receipt date

Company

Name

Street

Postal code town

Phone

Fax

Customer no.

Shipping mode

Date of order

Maschine type

Gauge

Masch.-Nr.

Sirix-Nr.

Spare parts order

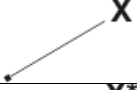
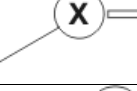
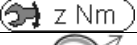
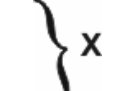
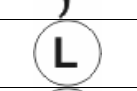
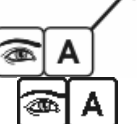
Page no.	Designation	Ident no.	Piece no.	Comment

Date

Signature

Search help

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

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

Torques

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	

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-grooving threads.
- Torques differing from this preferential row of torques must be taken from the corresponding location in the drawings.

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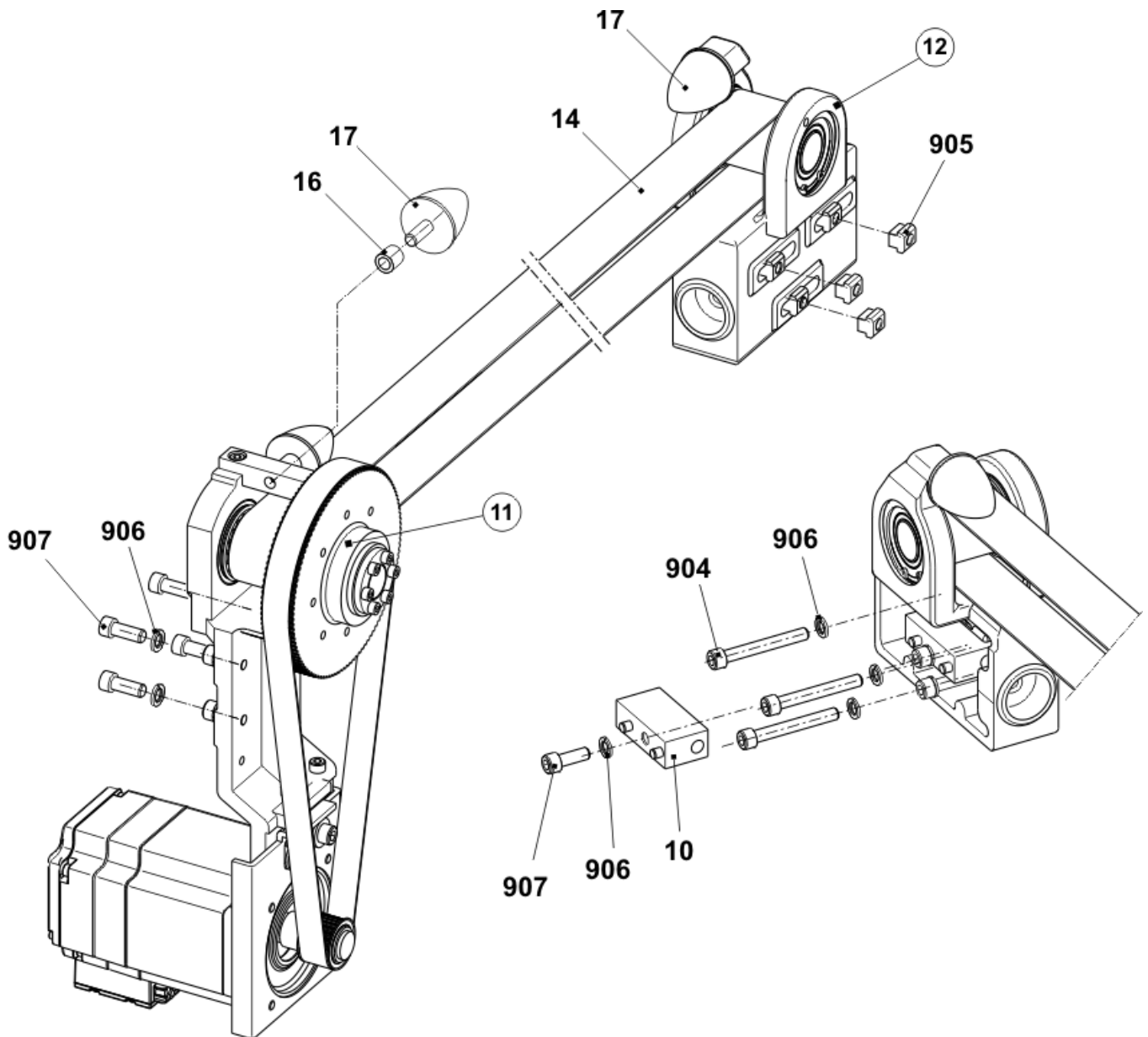
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Carriage drive

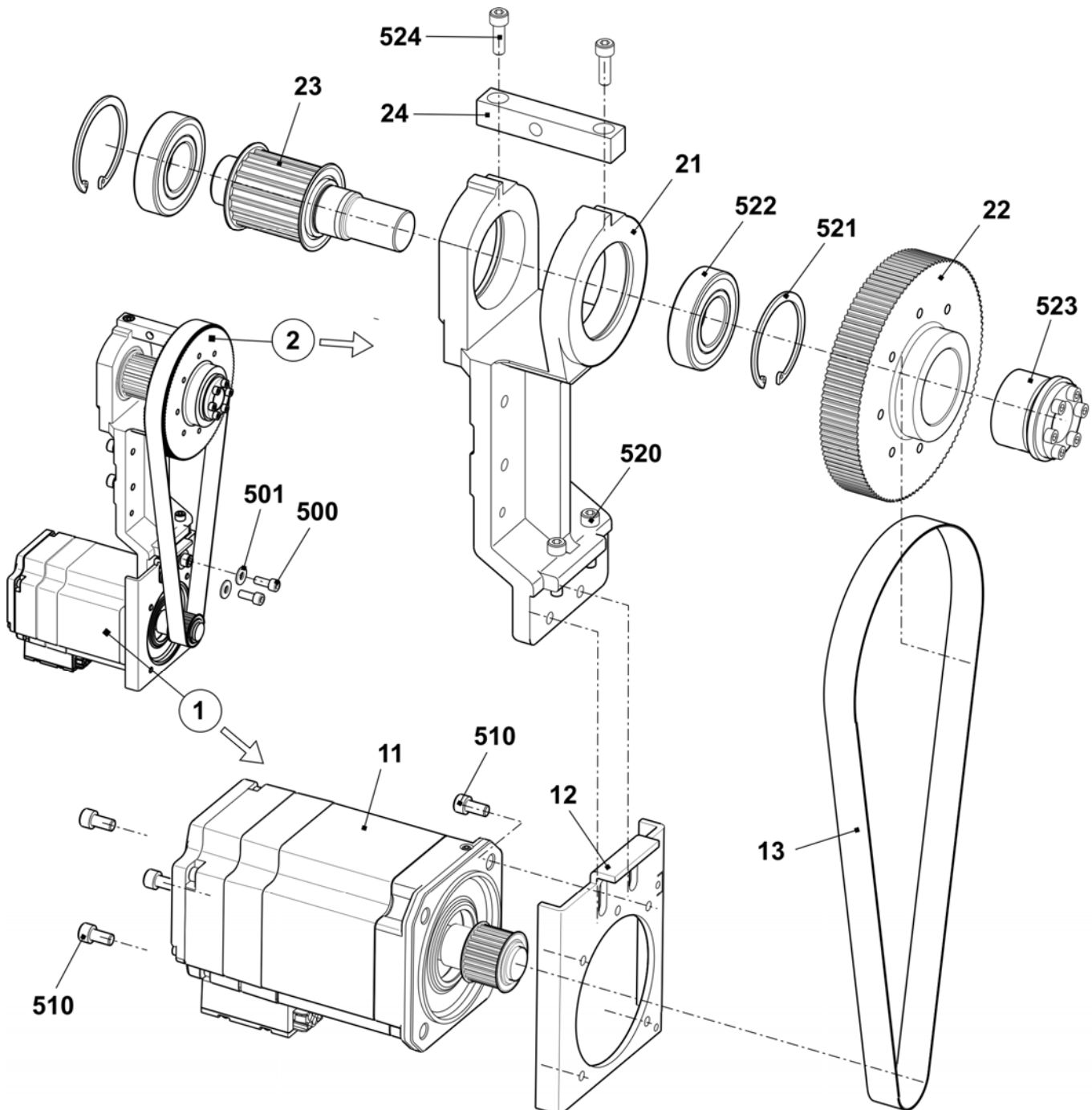
Drive

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Drive unit and racking	250 221			
10	Stop point	226 553	17	Parabolic spring	200 661
11	Drive unit complete	240 743	904	Cap screw M10x80	020 165
12	Tension bearing complete	241 655	905	Slide nut M10X12	023 471
14	Toothed belt 50AT10/4700	240 688	906	Spring washer A 10	021 010
16	Distance pipe	222 099	907	Cap screw M10x25	020 157



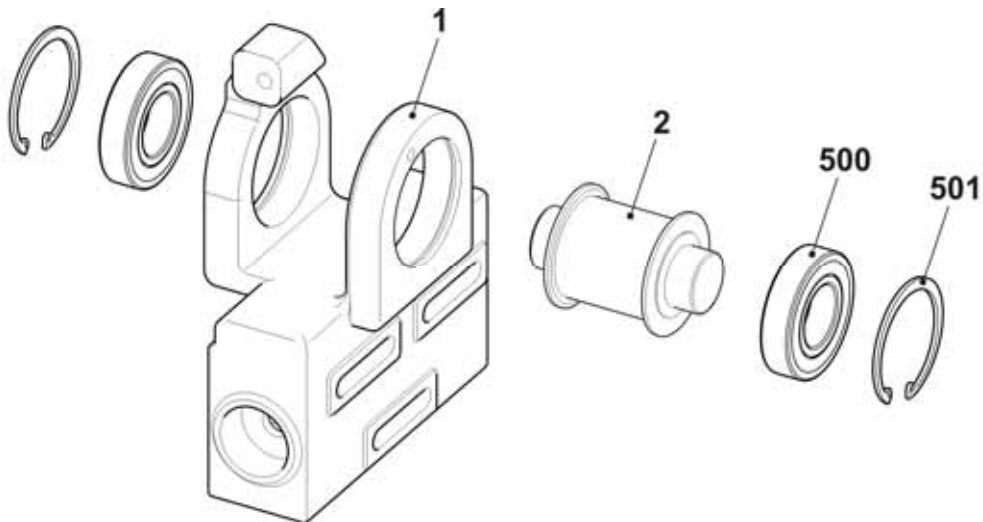
Motor and belt drive

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Drive unit complete	240 743	2	Drive bearing complete	240 742
1	Drive unit	240 741	21	Drive bearing	241 654
11	Drive motor complete	240 740	22	Timing belt pulley	240 616
12	Motor plate	227 662	23	Pinion 57 AT10 18	242 039
13	Toothed belt 250 HP-S5M 1050 NG	240 628	24	Support buffer	222 100
510	Cap screw M8X16	023 629	520	Cap screw M8X35	020 144
500	Cap screw M10x25	020 157	521	Locking ring 68x2.5	022 914
501	Disc 10.5X25X2.5	022 178	522	Ball bearing 6207-2RS	022 915
			523	Tension set 30X55	023 208
			524	Cap screw M8X25 12.9	020 142



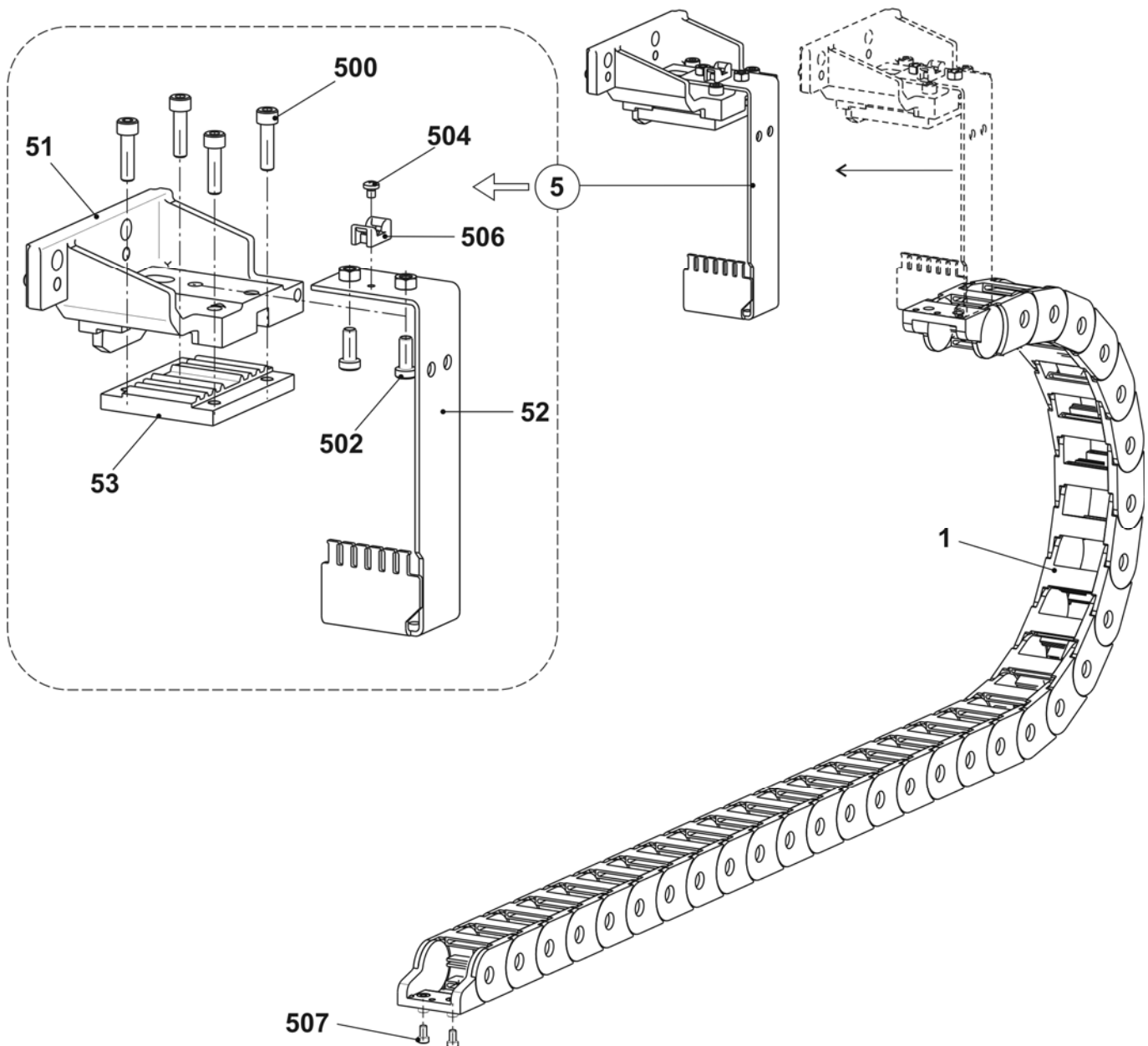
Tension bearing

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Tension bearing complete	241 655	500	Ball bearing 6207-2RS	022 915
1	Housing tension bearing	241 656	501	Locking ring 72x2.5	022 914
2	Tension roller	222 055			



Energy chain and carriage driver

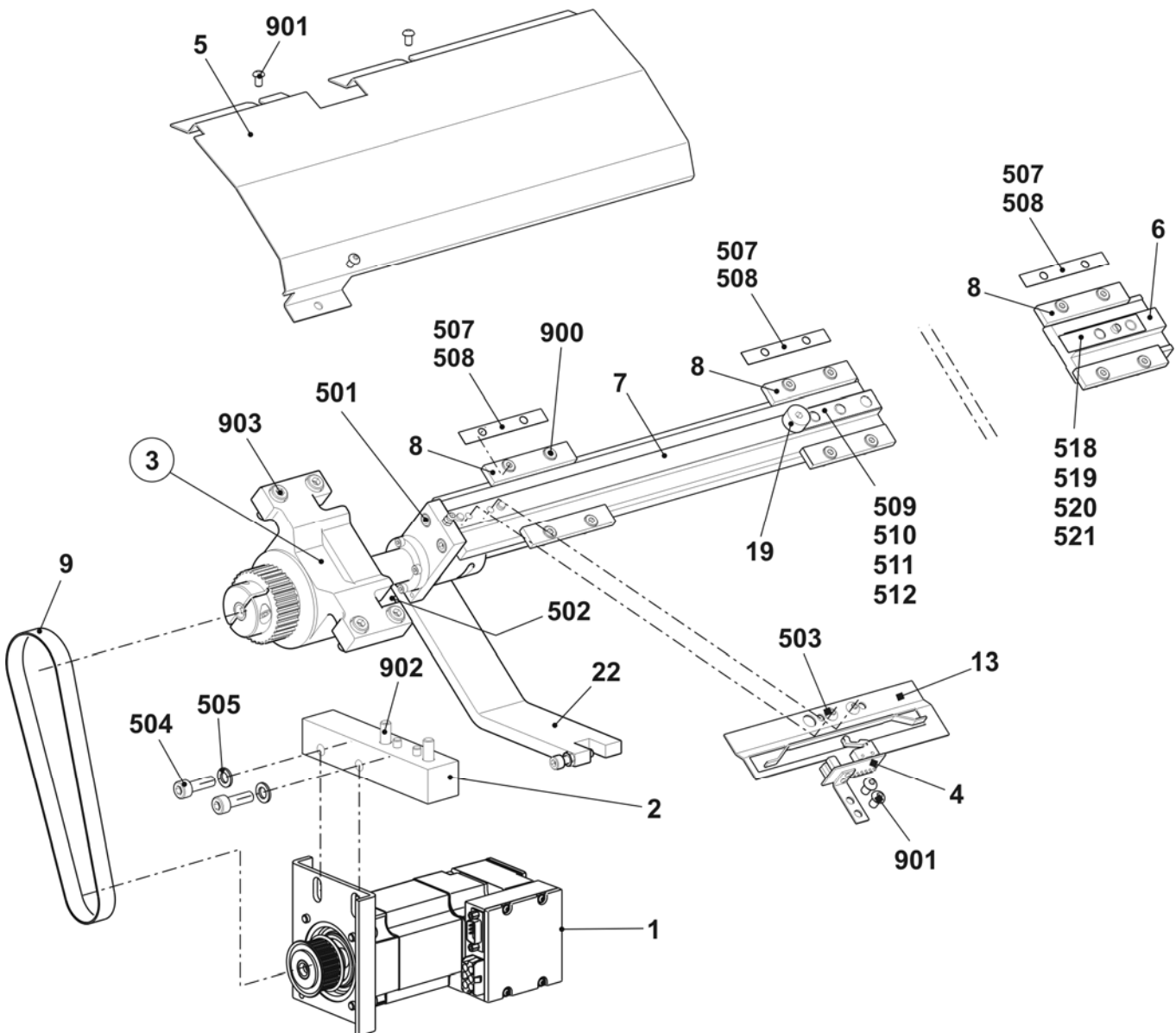
Pos	Designation	Ident No	Pos	Designation	Ident No
1	Energy chain 30 links	250 579	5	Continuation carriage driver complete	
507	Cap screw M6x8	023 411	500	Cap screw M8X30	020 143
5	Carriage driver complete	250 566	502	Cap screw M8X20	023 621
51	Carriage driver 2 cam box	242 255	504	Countersunk screw M5x6	023 284
52	Cable driver	250 529	506	Fixing element	026 489
53	Clamping plate	226 111			



Racking

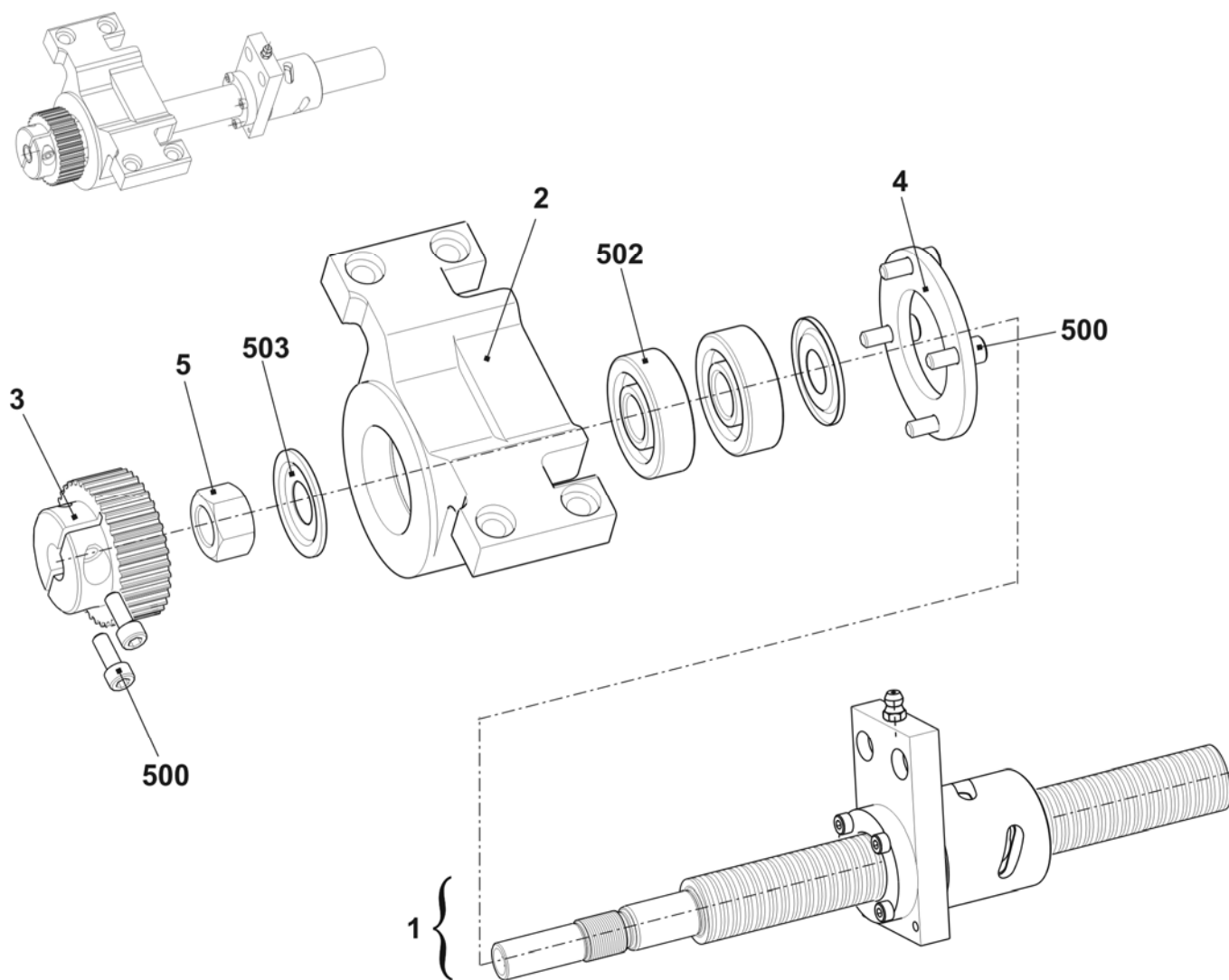
Racking drive

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Drive unit racking	250 221	504	Cap screw M8X25	020 142
1	Racking motor complete	241 454	505	Washer 8,4x20x3	022 175
2	Bearing	227 605	507	Shim 0.03x11x80	023 286
3	Spindle bearing complete	240 798	508	Shim 0.05x11x80	023 287
4	Card racking limit switch	229 396	509	Shim 0.03x15x85	023 162
5	Racking cover plate	240 721	510	Shim 0.05x15x85	023 163
6	Racking strip on the left	240 696	511	Shim 0.1x15x85	023 164
7	Racking strip	240 690	512	Shim 0.2x15x85	023 170
8	Guide strip	206 382	518	Shim 0.03x15x75	023 395
9	Toothed belt 150 S 5M 490	229 281	519	Shim 0.05x15x75	023 396
13	Switching metal plate	240 722	520	Shim 0.1x15x75	023 397
19	Stop screw	221 386	521	Shim 0.2x15x75	023 398
22	Bearing fork	240 689	900	Cap screw M6x12	022 795
501	Cap screw M6x16	023 116	901	Countersunk screw M6x10-12.9	023 183
502	Cap screw M6x16	020 135	902	Cap screw M8x35	020 144
503	Countersunk screw M6x10-12.9	023 183	903	Cap screw M8x25-12.9	020 142



Racking spindle

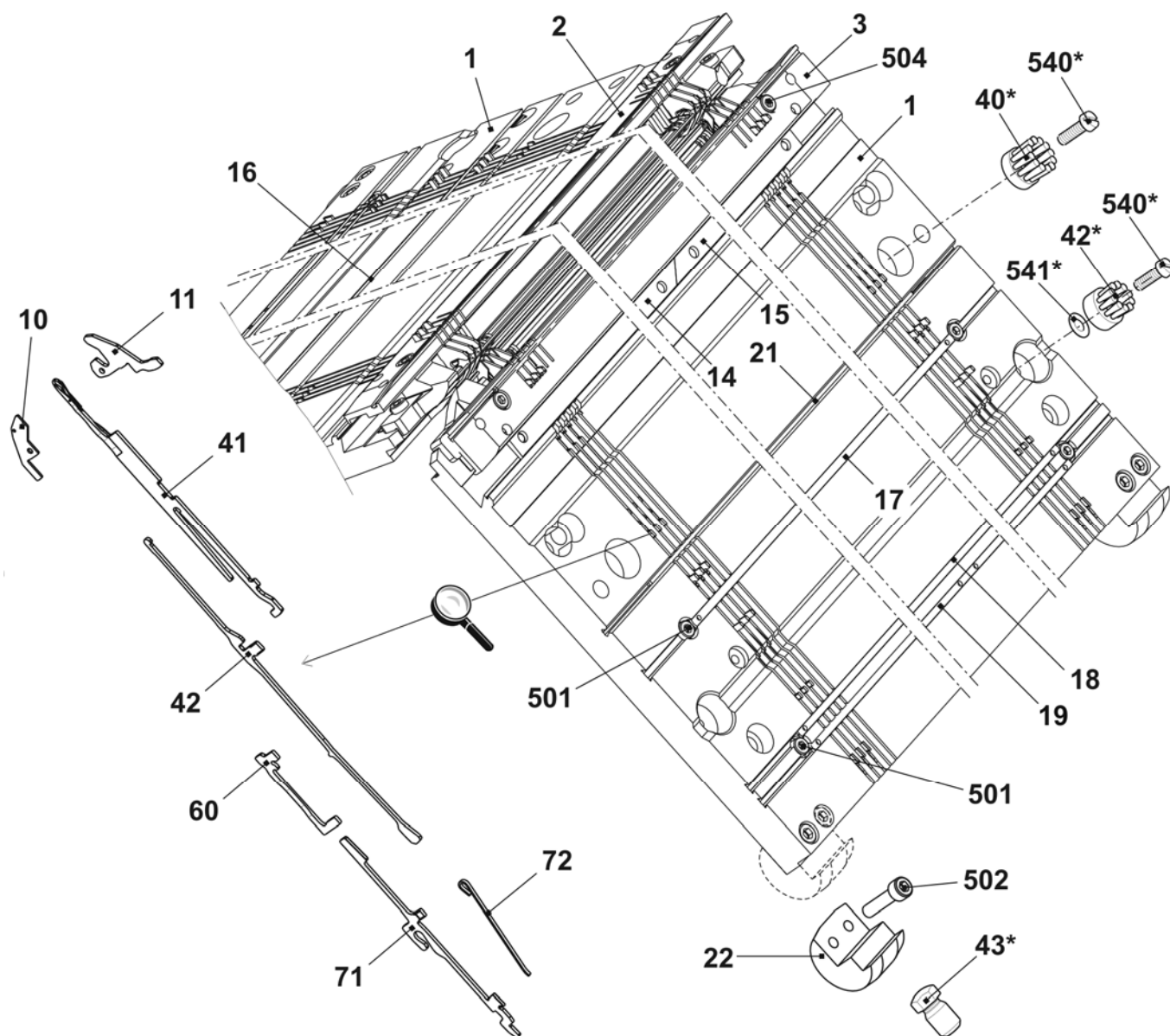
Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Spindle bearing complete	240 798	5	Shaft nut	219 677
1	Spindle complete	240 732	500	Cap screw M6x16	020 135
2	Bearing housing	240 724	502	Angular ball bearing 7303B	023 488
3	Timing belt pulley 36 S5M 150	219 664	503	NILOS Ring 7303 AVG 41.2X17X2	023 487
4	Ring	219 676			



Needle beds

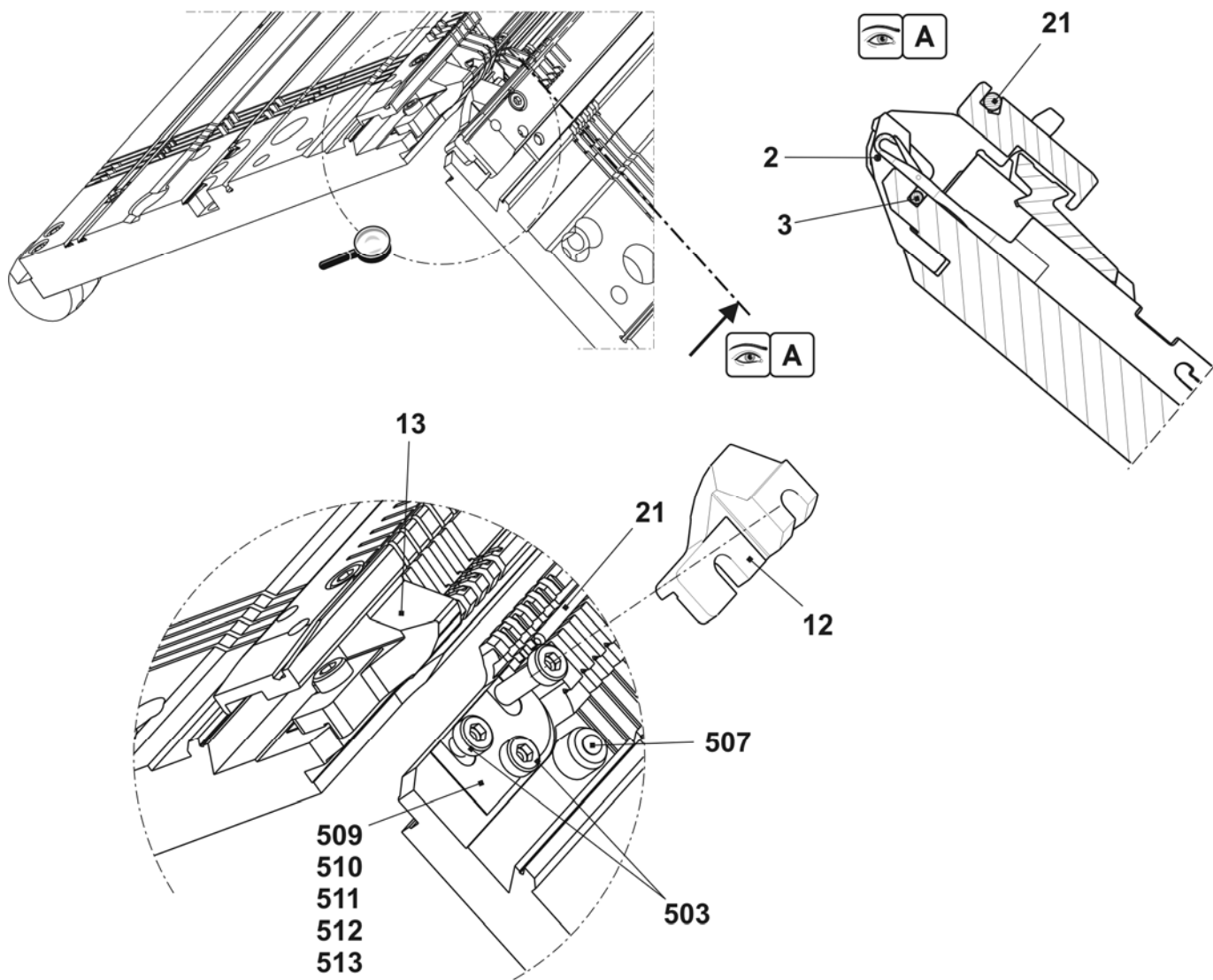
Needle bed E5

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front and rear E5	251 013	17	Cover rail at the front E5	207 277
1	Needle bed at the front and rear E5	251 012	18	Cover rail	207 273
2	Holding-down jack bed at the rear E5	250 537	19	Cover rail	207 274
3	Holding-down jack bed at the front E5	250 536	21	Fixed wire D=2.8 1290mm	207 270
41	Needle E5 - E6 with round hook	205 396	22	Support	241 339
42	Coupling part E4 - E8	200 682	501	Cap screw M5x10	022 918
60	Intermediate slider E5 - E8	237 323	502	Cap screw M6x25	020 137
71	Selection jack E4 - E8	200 687	504	Cap screw M5x22	023 193
72	Selector spring E4 - E8	200 690	40*	Disk brush	235 612
10	Knock-over bit E5	204 996	42*	Disk brush	202 600
11	Holding-down jack E5	205 031	43*	Adjusting bolt	240 765
14	Needle rail on the left	213 998	540*	Cap screw M5x12	020 032
15	Needle rail on the right	213 999	541*	Adjusting washer P6x0.3	023 540
16	Cover rail at the rear	213 981			



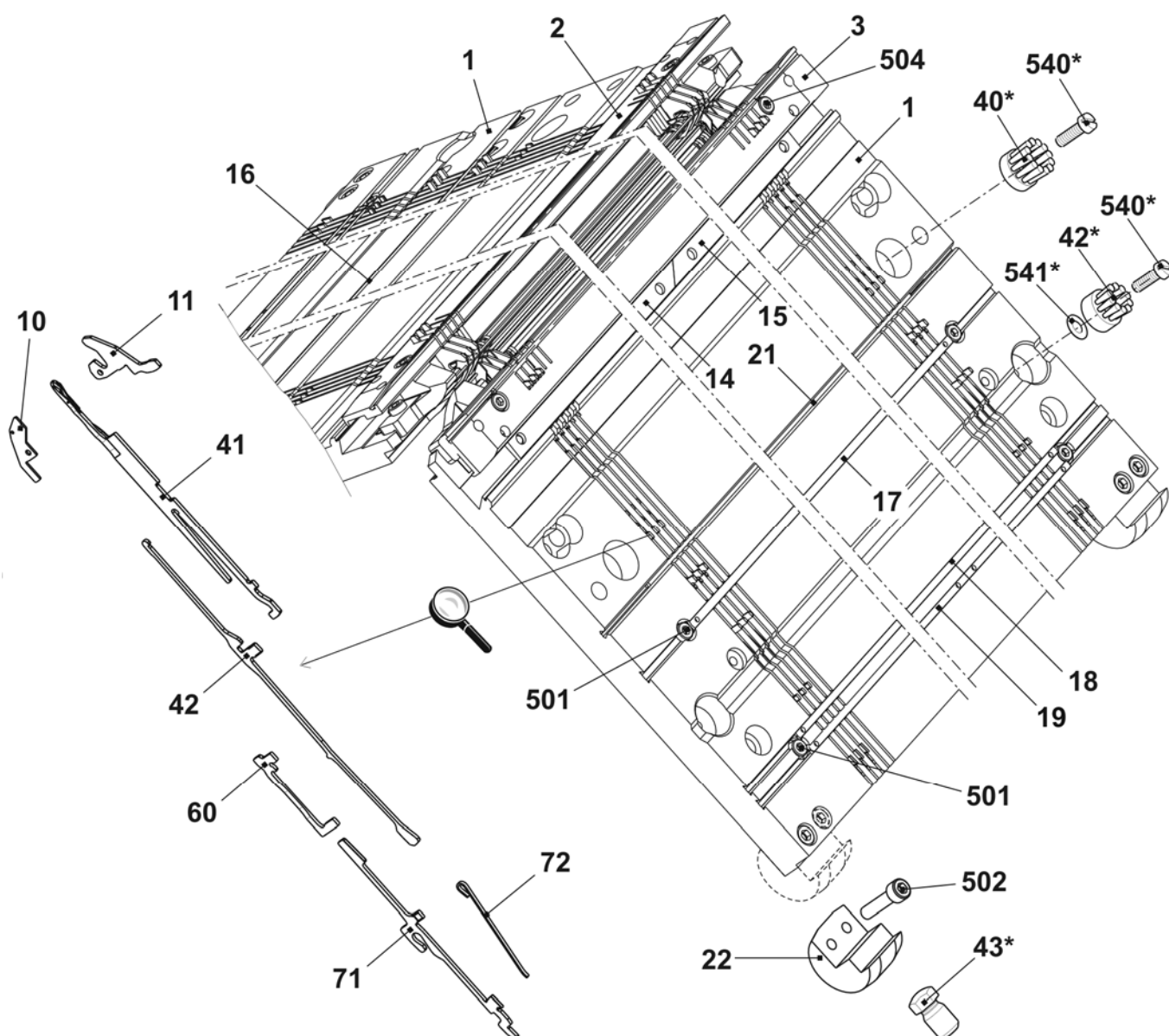
Continuation needle bed E5

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front and rear E5	251 013			
2	Spring steel wire 1.0 D E5 - E6	207 482	507	Sprung thrust piece	023 177
3	Spring steel wire D=2.0 1,286mm	207 269	509	Shim 0.02x18.5x34	023 194
12	Limiter on the left E4 – E8	205 343	510	Shim 0.03x18.5x34	023 195
13	Limiter on the right E4 – E8	205 344	511	Shim 0.05x18.5x34	023 196
21	Fixed wire D=2.8 1290mm	207 270	512	Shim 0.1x18.5x34	023 197
503	Cap screw M5x8	023 154	513	Shim 0.2x18.5x34	023 253



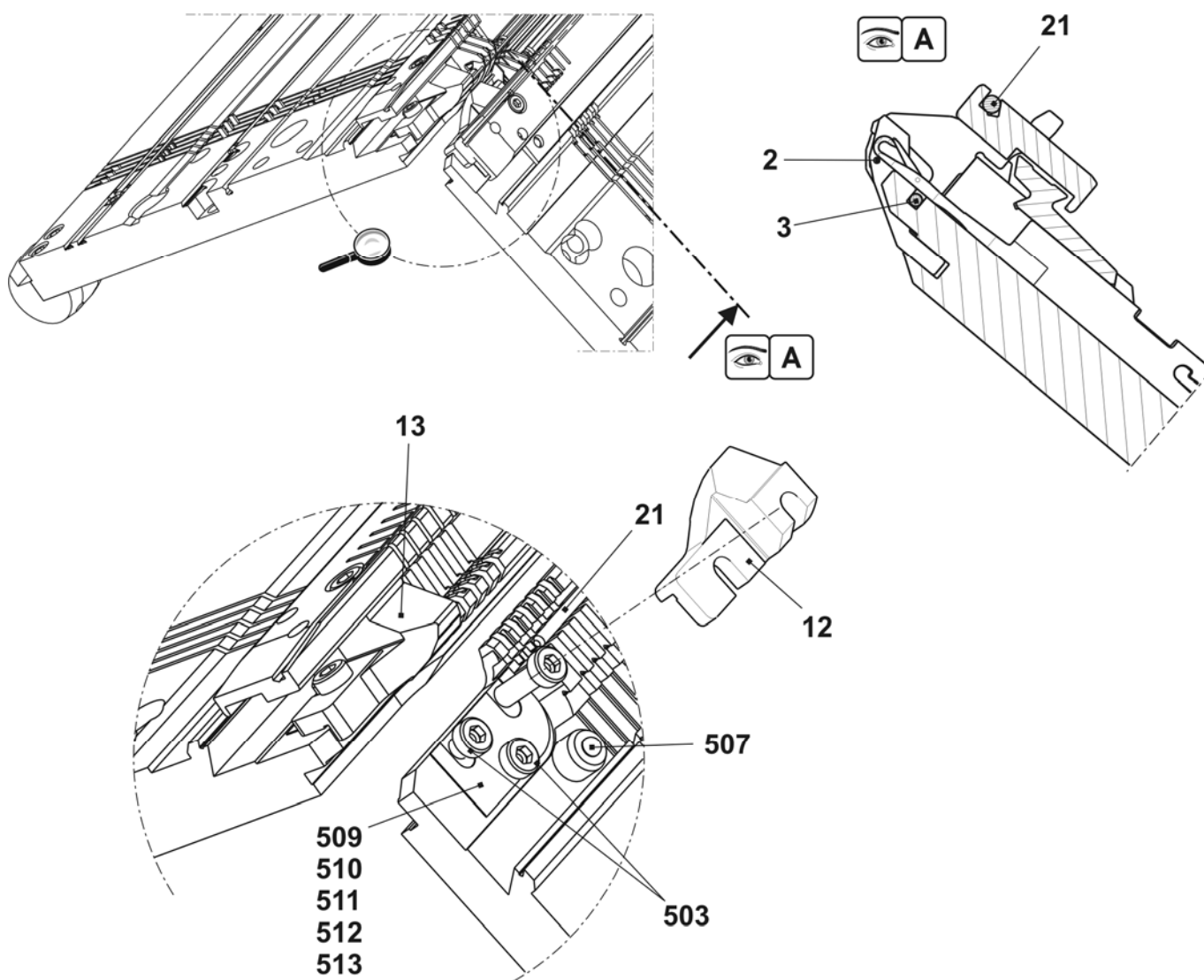
Needle bed E7

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front + rear E7	250 671	17	Cover rail at the front E7	207 279
1	Needle bed at the front and rear E7	250 670	18	Cover rail	207 273
2	Holding-down jack bed at the rear E7	250 539	19	Cover rail	207 274
3	Holding-down jack bed at the front E7	250 538	21	Fixed wire D=2.8 1290mm	207 270
41	Needle E7 with round hook	205 397	22	Support	241 339
42	Coupling part E4 - E8	200 682	501	Cap screw M5x10	022 918
60	Intermediate slider E5 – E8	237 323	502	Cap screw M6x25	020 137
71	Selection jack E4 - E8	200 687	504	Cap screw M5x22	023 193
72	Selector spring E4 – E8	200 690	40*	Disk brush	235 612
10	Knock-over bit E7	207 055	42*	Disk brush	202 600
11	Holding-down jack E7	205 032	43*	Adjusting bolt	240 765
14	Needle rail on the left	207 292	540*	Cap screw M5x12	020 032
15	Needle rail on the right	207 293	541*	Adjusting washer P6x0.3	023 540
16	Cover rail at the rear	213 981			



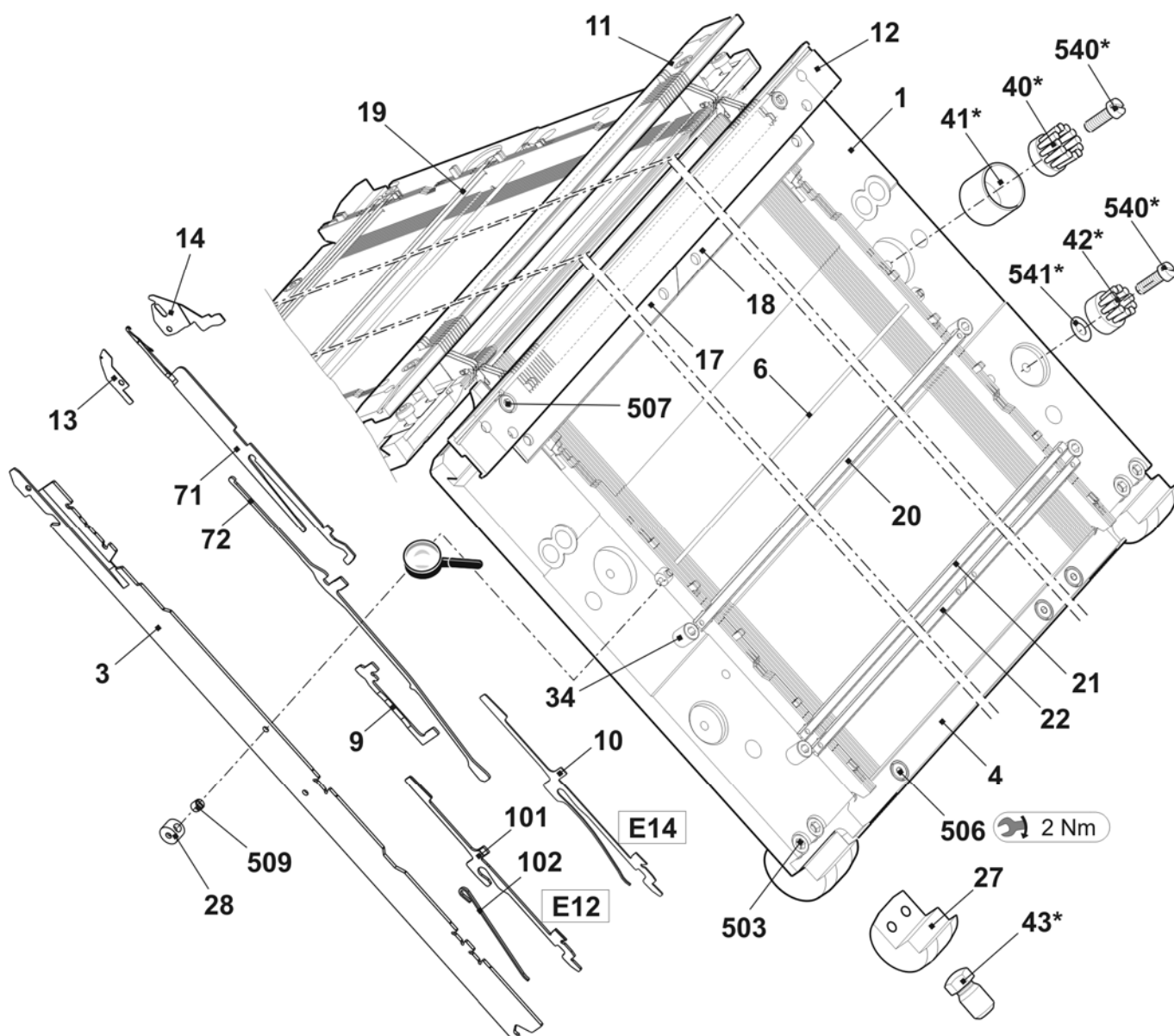
Continuation needle bed E7

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front + rear E7	250 671			
2	Spring steel wire 0.8 D E7 - E8	207 483	507	Sprung thrust piece	023 177
3	Spring steel wire D=2.0 1,286mm	207 269	509	Shim 0.02x18.5x34	023 194
12	Limiter on the left E4-E8	205 343	510	Shim 0.03x18.5x34	023 195
13	Limiter on the right E4-E8	205 344	511	Shim 0.05x18.5x34	023 196
21	Fixed wire D=2.8 1290mm	207 270	512	Shim 0.1x18.5x34	023 197
503	Cap screw M5x8	023 154	513	Shim 0.2x18.5x34	023 253



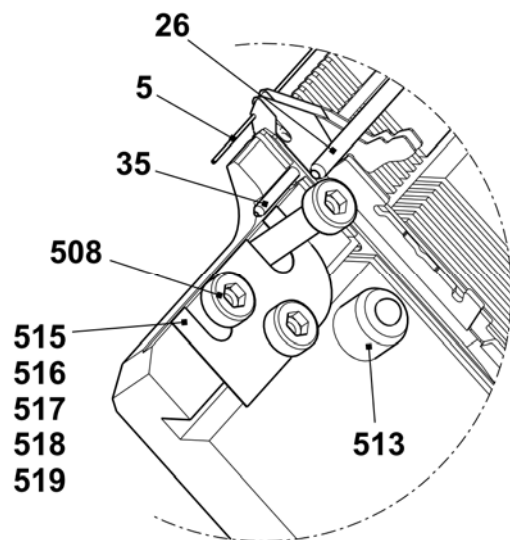
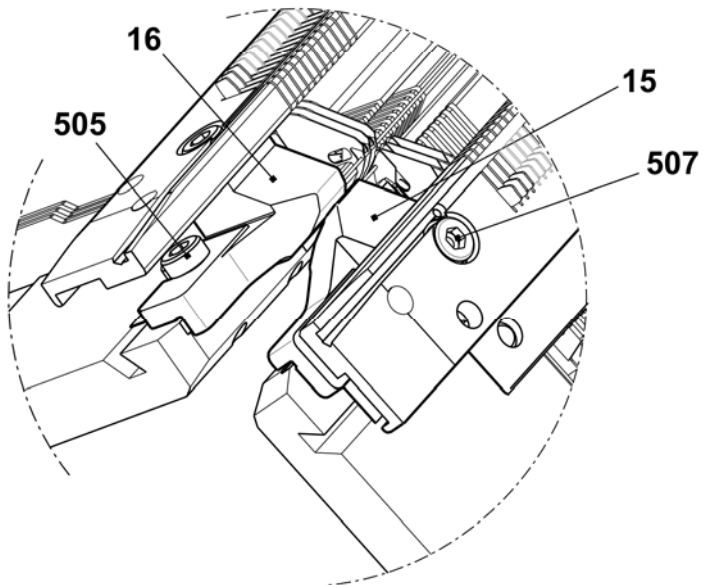
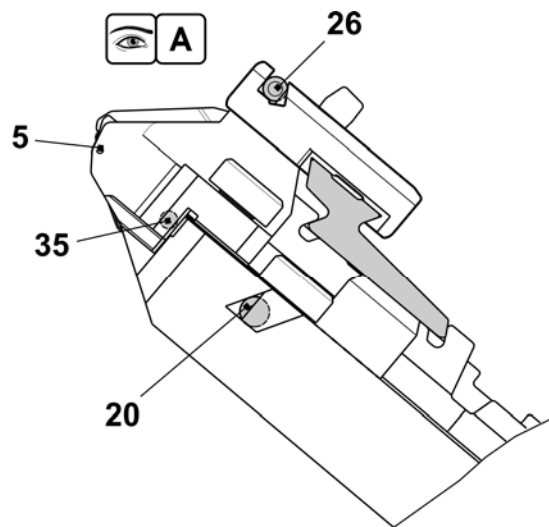
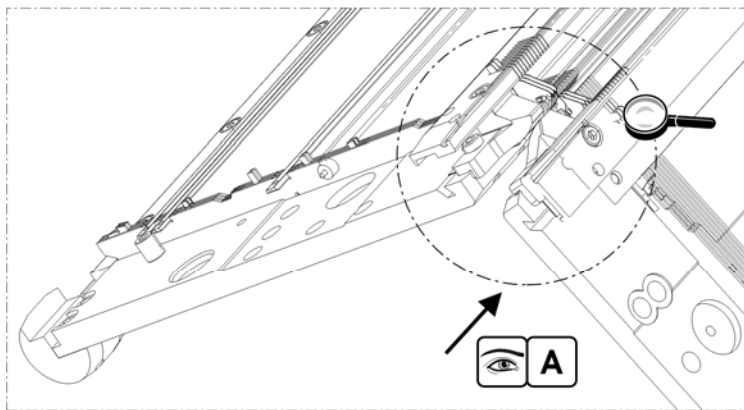
Needle bed E12

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front and rear E12	251 014	20	Cover rail at the front E12	250 593
1	Needle bed at the front rear E12	250 342	21	Cover rail	250 575
3	Main trick wall E12	205 355	22	Cover rail	250 576
4	Pressure slide E10 – E14	205 747	27	Support	241 339
6	Spring steel wire D=2.0 1,286mm	207 269	28	Bush	206 090
71	Needle E12	204 009	34	Stop screw	214 039
72	Coupling part E10 - E12	200 683	40*	Disk brush	235 612
9	Intermediate slider E10	237 324	41*	Container disk brush	233 012
101	Selection jack E12	200 688	42*	Disk brush	202 600
102	Selector spring E10 – E12	200 691	43*	Adjusting bolt	240 765
11	Holding-down jack bed at the rear E12	250 545	540*	Cap screw M5x12	020 032
12	Holding-down jack bed at the front E12	250 544	541*	Adjusting washer P6x0.3	023 540
13	Knock-over bit E12	205 013	503	Cap screw M6X14	022 658
14	Holding-down jack (trick wall) E12	227 821	506	Cap screw M5x8	023 379
17	Needle rail on the left	207 292	507	Cap screw M5x22	023 193
18	Needle rail on the right	207 293	509	Set screw M3.5x3-1	020 512
19	Cover rail at the rear	250 572			



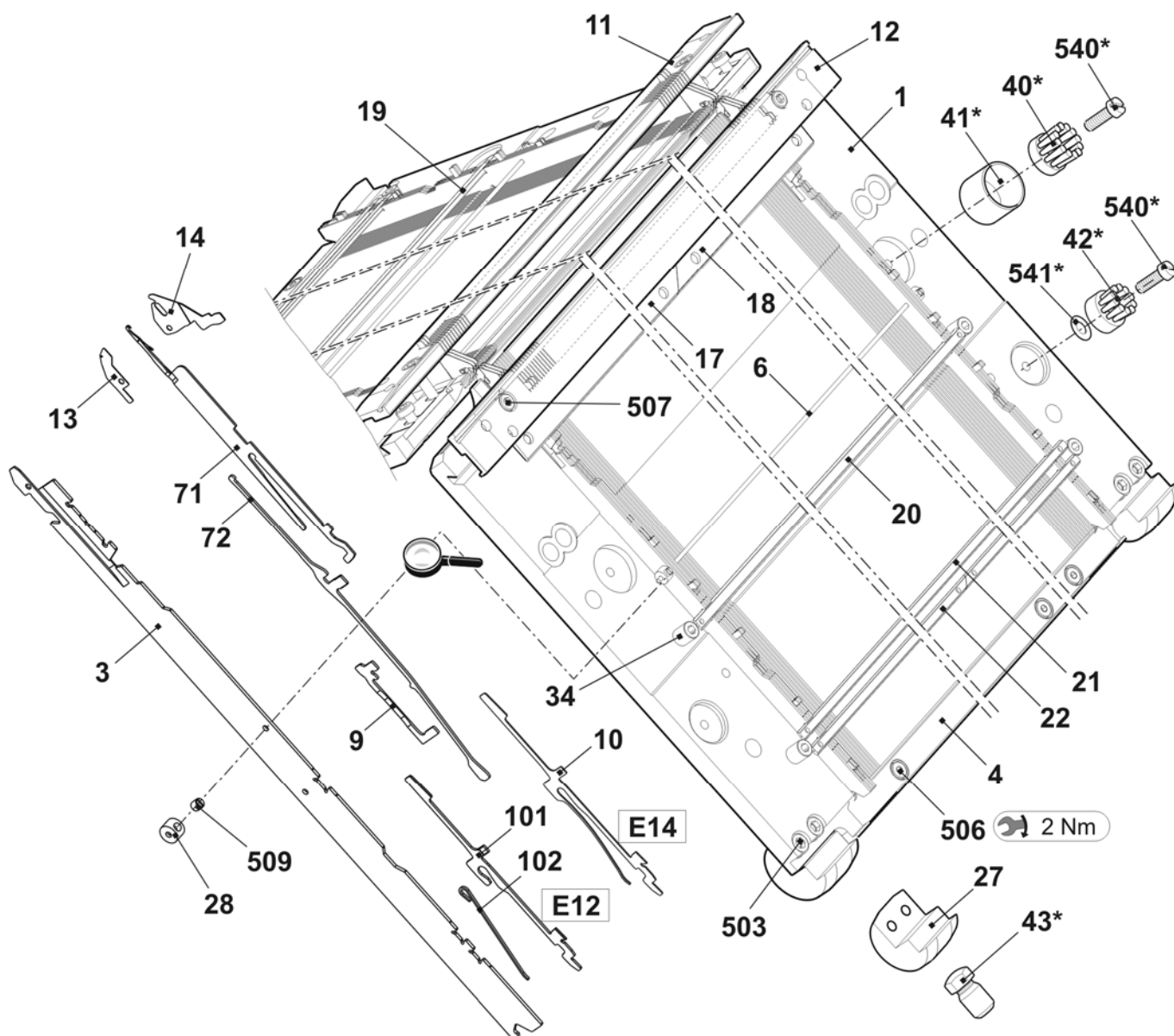
Continuation needle bed E12

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front and rear E12	251 014	507	Cap screw M5x22	023 193
5	Spring steel wire 0.6 D E10 - E14	208 388	508	Cap screw M5x12-8.8	022 943
15	Limiter on the left E10 – E14	205 764	513	Sprung thrust piece	023 177
16	Limiter on the right E10 – E14	205 765	515	Shim 0.02x18.5x345	023 194
20	Fixed wire 3.4d E10-12	208 389	516	Shim 0.03x18.5x34	023 195
26	Fixed wire D=2.8 1290mm	207 270	517	Shim 0.05x18.5x34	023 196
35	Spring steel wire 1.95 D E10 – E14	212 176	518	Shim 0.1x18.5x34	023 197
505	Cap screw M5x8-8.8	023 154	519	Shim 0.2X18.5X34	023 253



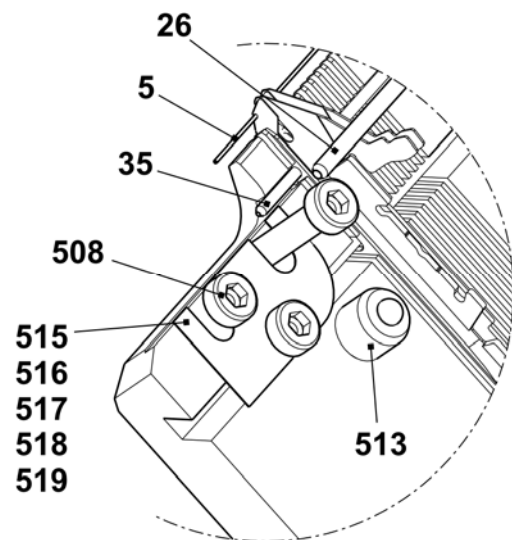
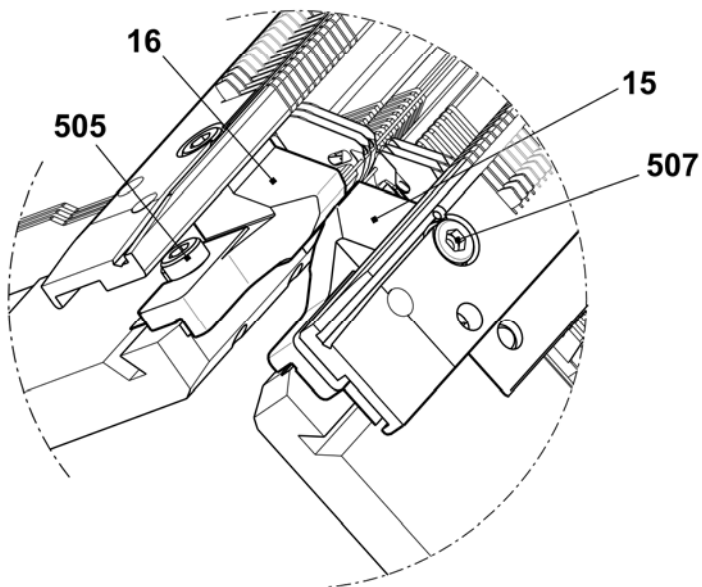
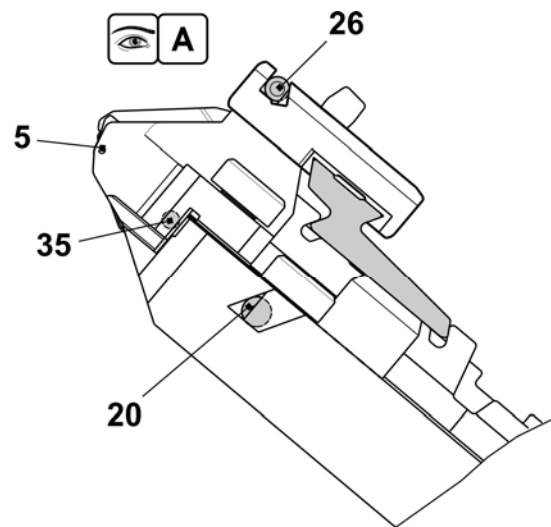
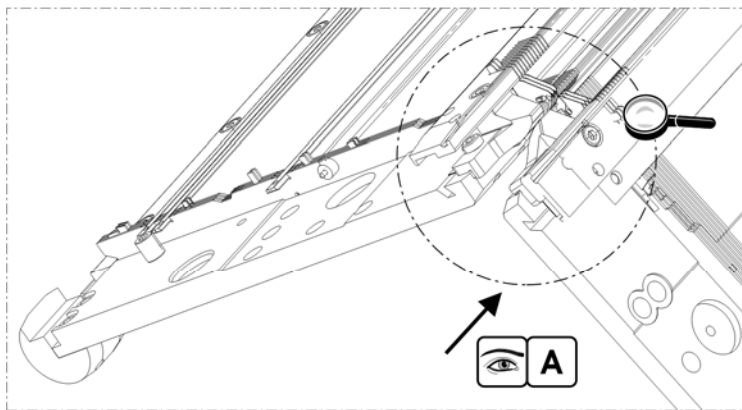
Needle bed E14

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front + rear E14	250 644			
1	Needle bed at the front and rear E14	250 343	21	Cover rail	250 575
3	Main trick wall E14	209 574	22	Cover rail	250 576
4	Pressure slide E10 – E14	205 747	27	Support	241 339
6	Spring steel wire D=2.0 1,286mm	207 269	28	Bush	206 090
71	Needle E14	209 614	34	Stop screw	214 039
72	Coupling part E14	209 633	40*	Disk brush	235 612
9	Intermediate slider E14	237 373	41*	Container disk brush	233 012
10	Selection jack E14 with selector spring	224 725	42*	Disk brush	202 600
11	Holding-down jack bed at the rear E14	250 547	43*	Adjusting bolt	240 765
12	Holding-down jack bed at the front E14	250 546	540*	Cap screw M5x12	020 032
13	Knock-over bit E14	209 649	541*	Adjusting washer P6x0.3	023 540
14	Holding-down jack (trick wall) E14	235 262	503	Cap screw M6X14	022 658
17	Needle rail on the left	207 292	506	Cap screw M4-M5x8	023 379
18	Needle rail on the right	207 293	507	Cap screw M5x22	023 193
20	Cover rail at the front E14	250 571	509	Set screw M3.5x3-1	020 512



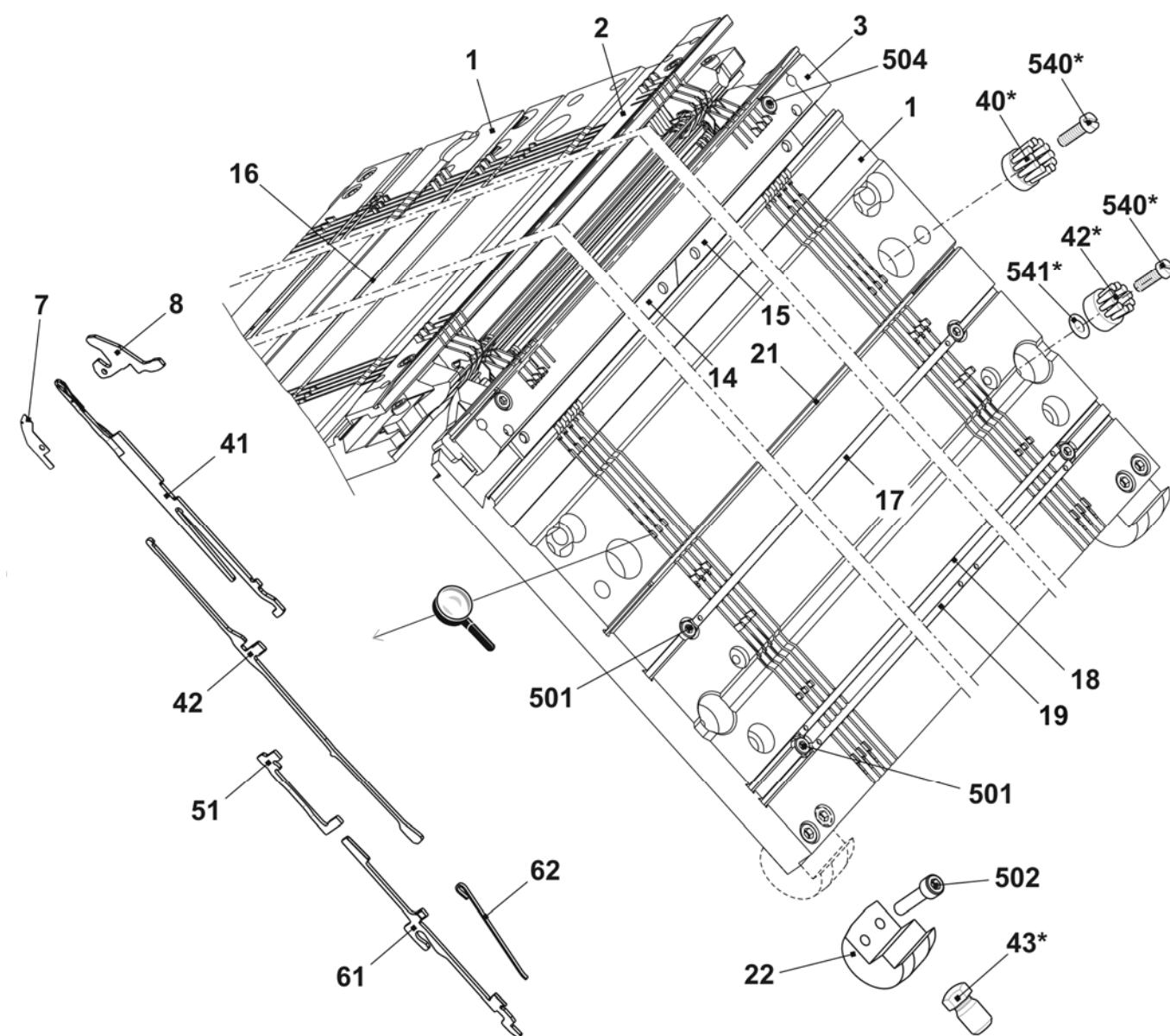
Continuation needle bed E14

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front + rear E14	250 644	507	Cap screw M5x22	023 193
5	Spring steel wire 0.6 D E10 - E14	208 388	508	Cap screw M5x12-8.8	022 943
15	Limiter on the left E10 - E14	205 764	513	Spring thrust piece	023 177
16	Limiter on the right E10 - E14	205 765	515	Shim 0.02x18.5x345	023 194
20	Fixed wire 3.4d E10 - E12	208 389	516	Shim 0.03x18.5x34	023 195
26	Fixed wire D=2.8 1290mm	207 270	517	Shim 0.05x18.5x34	023 196
35	Spring steel wire 1.95 D E10 - E14	212 176	518	Shim 0.1x18.5x34	023 197
505	Cap screw M5x8-8.8	023 154	519	Shim 0.2X18.5X34	023 253



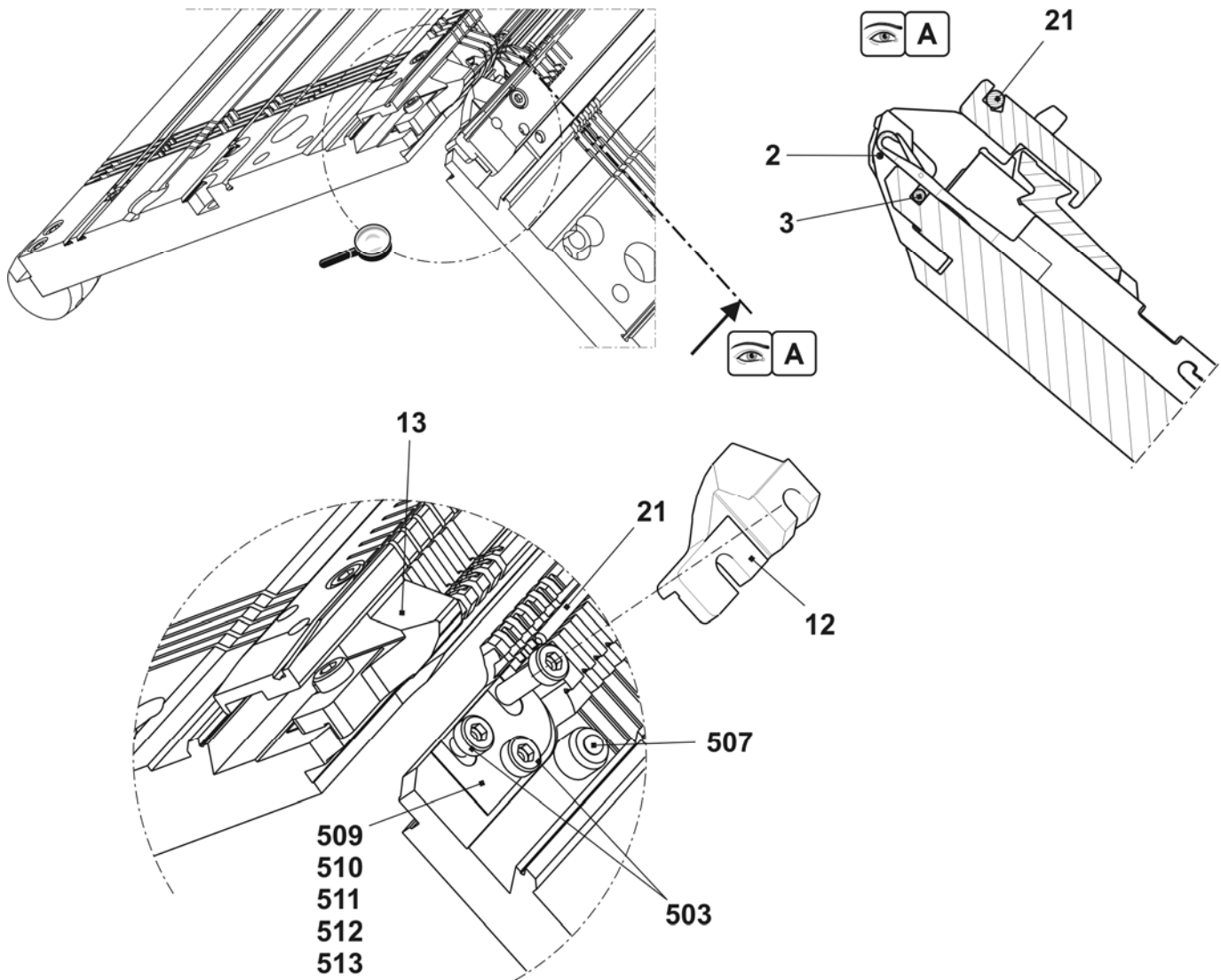
Needle bed E3,5.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front + rear E3,5.2	250 940			
1	Needle bed at the front + rear E7	250 390	41	Needle E2,5.2-3.5.2	232 581
2	Holding-down jack bed rear E3,5.2	250 916	42	Coupling part E4-E8	200 682
3	Holding-down jack bed front E3,5.2	250 915	51	Intermediate slider with brake E5-8	237 323
7	Knock-over bit E7	207 055	61	Selection jack E4-E8	200 687
8	Holding-down jack E7	205 032	62	Selector spring E4-E8	200 690
14	Needle rail on the left	207 292	501	Cap screw M5x10	022 918
15	Needle rail on the right	207 293	502	Cap screw M6x25	020 137
16	Cover rail at the rear	213 981	504	Cap screw M5x22	023 193
17	Cover rail at the front E7	207 279	40*	Disk brush	235 612
18	Cover rail	207 273	42*	Disk brush	202 600
19	Cover rail	207 274	43*	Adjusting bolt	240 765
21	Spring steel wire 2,8d	207 270	540*	Cap screw M5x12	020 032
22	Support	241 339	541*	Adjusting washer P6x0.3	023 540



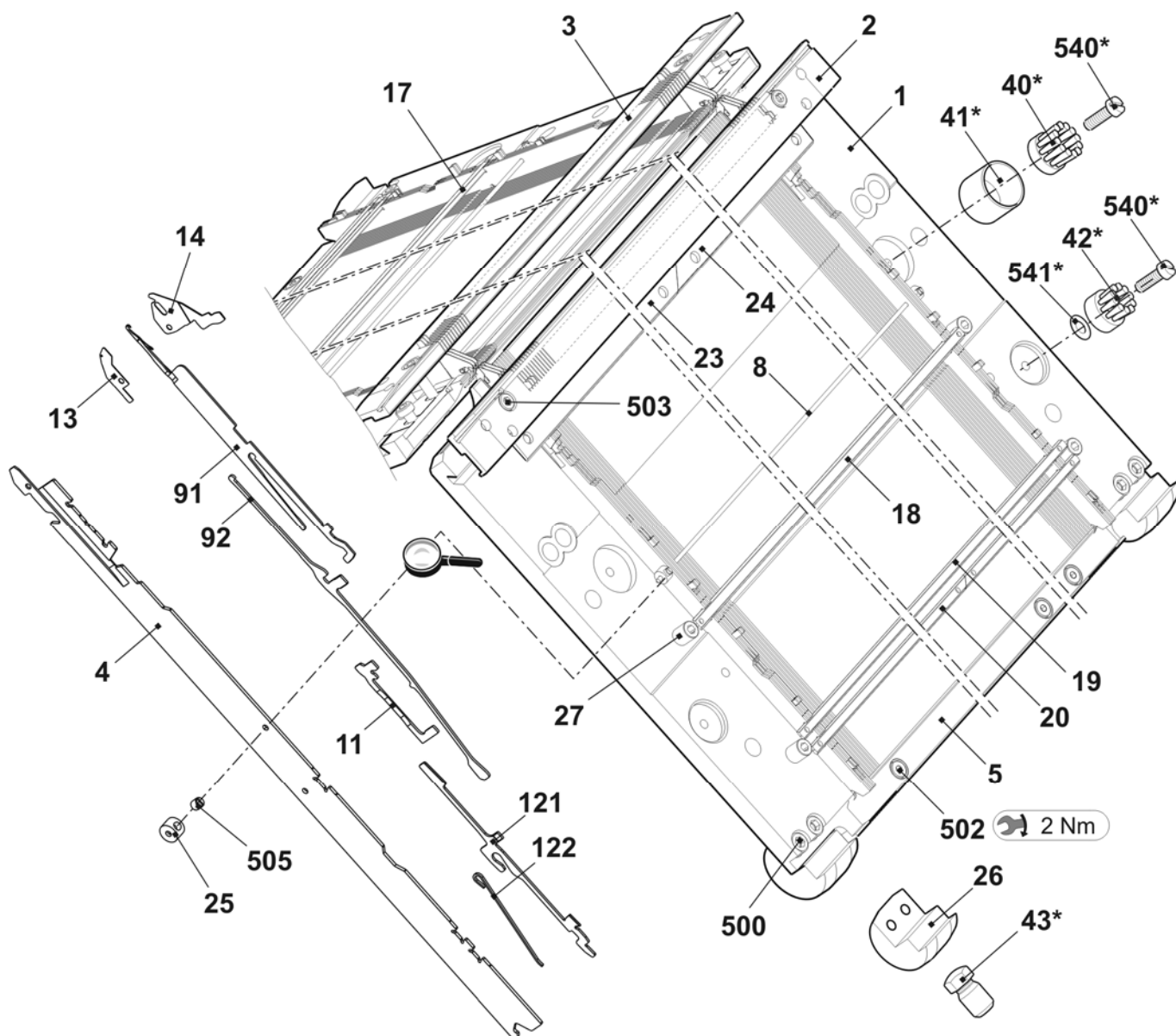
Continuation needle bed E3,5.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front and rear E3,5.2	241 508			
2	Spring steel wire 0.8 D	207 483	507	Sprung thrust piece	023 177
3	Spring steel wire D=2,0 D	207 269	509	Shim 0.02x18.5x34	023 194
12	Limiter on the left E4-E8	205 343	510	Shim 0.03x18.5x34	023 195
13	Limiter on the right E4-E8	205 344	511	Shim 0.05x18.5x34	023 196
21	Fixed wire D=2.8 D	207 270	512	Shim 0.1x18.5x34	023 197
503	Cap screw M5x8	023 154	513	Shim 0.2x18.5x34	023 253



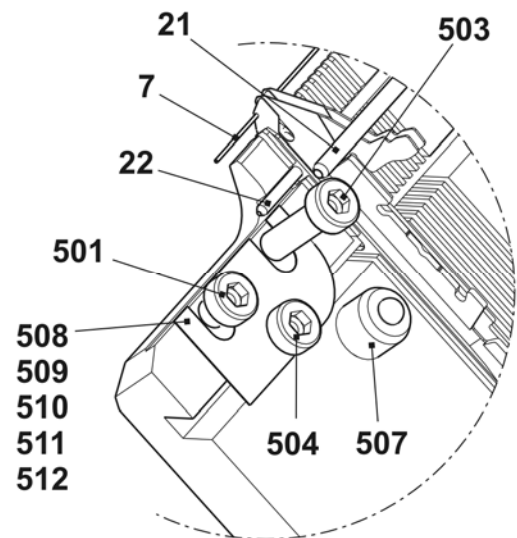
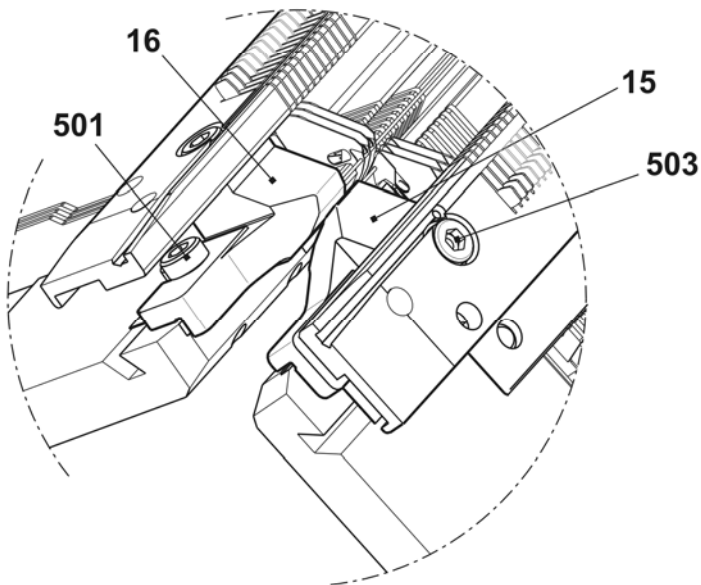
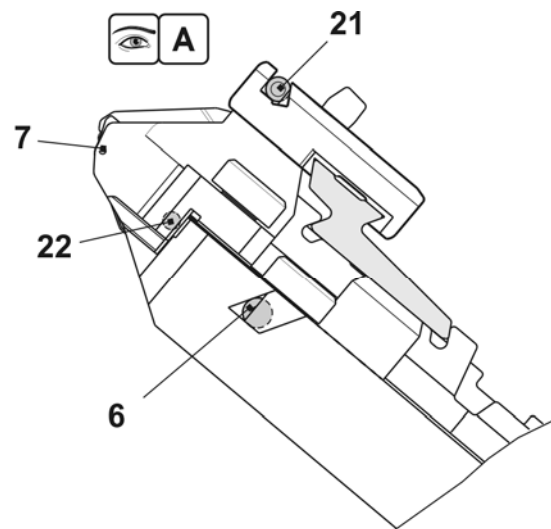
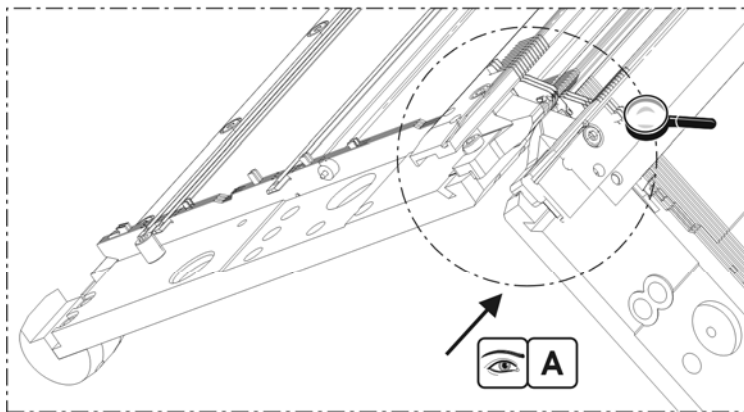
Needle bed E6.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front and rear E6.2	250 941			
1	Needle bed at the front + rear E12	250 342	26	Support	241 339
2	Holding-down jack bed front E6.2	250 917	27	Stop screw	214 039
3	Holding-down jack bed rear E6.2	250 918	91	Needle E6.2	207 349
4	Main trick wall E12	205 355	92	Coupling part E10-12	200 683
5	Pressure slide	205 747	121	Selection jack E10-12	200 688
8	Spring steel wire 2.0 D	207 269	122	Selector spring E10-12	200 691
11	Intermediate slider with brake E10-12	237 324	500	Cap screw M6X14	022 658
13	Knock-over bit E12	205 013	502	Cap screw M5x8	023 379
14	Holding-down jack trick wall E12	227 821	503	Cap screw M5x22	023 193
17	Cover rail at the rear	250 572	505	Set screw M3.5x3	020 512
18	Cover rail at the front E12	250 593	40*	Disk brush	235 612
19	Cover rail	250 575	41*	Container disk brush	233 012
20	Cover rail	250 576	42*	Disk brush	202 600
23	Needle rail on the left	207 292	43*	Adjusting bolt	240 765
24	Needle rail on the right	207 293	540*	Cap screw M5x12	020 032
25	Bush	206 090	541*	Adjusting washer P6x0.3	023 540



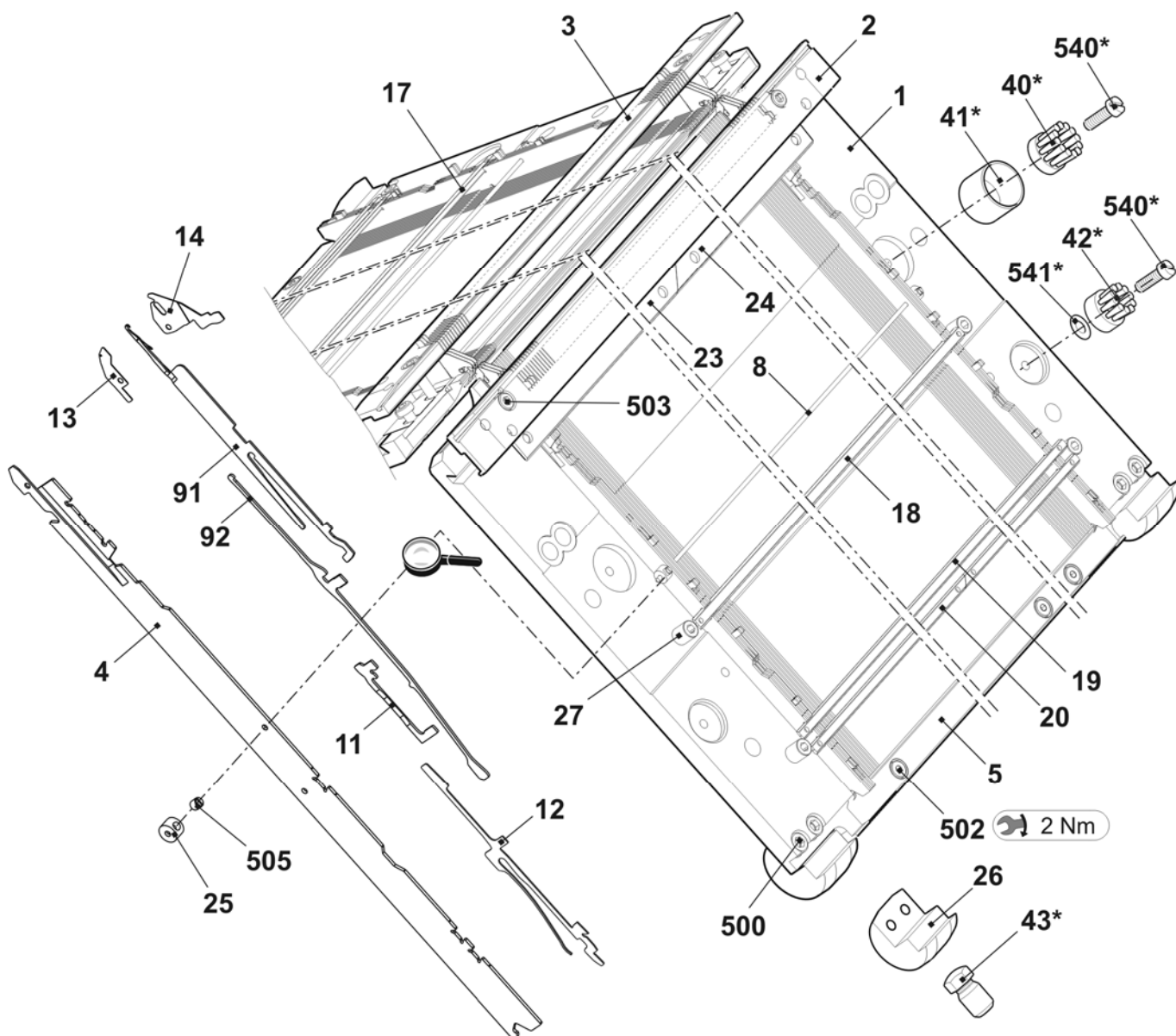
Continuation needle bed E6.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front and rear E6.2	250 941	503	Cap screw M5x22	023 193
6	Fixed wire 3.4d E10-12	208 389	504	Cap screw M5x12-8.8	022 943
7	Spring steel wire 0.6 D E10 - E12	208 388	507	Sprung thrust piece	023 177
15	Limiter on the left E10-14	205 764	508	Shim 0.02x18.5x34	023 194
16	Limiter on the right E10-14	205 765	509	Shim 0.03x18.5x34	023 195
21	Spring steel wire 2,8d	207 270	510	Shim 0.05x18.5x34	023 196
22	Spring steel wire 1.95 D	212 176	511	Shim 0.1x18.5x34	023 197
501	Cap screw M5x8-8.8	023 154	512	Shim 0.2x18.5x34	023 253



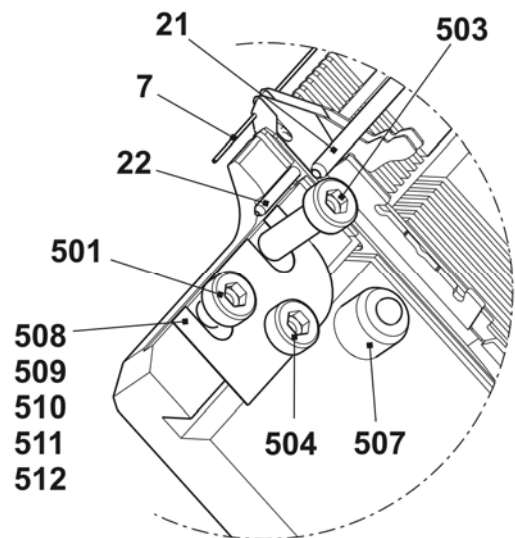
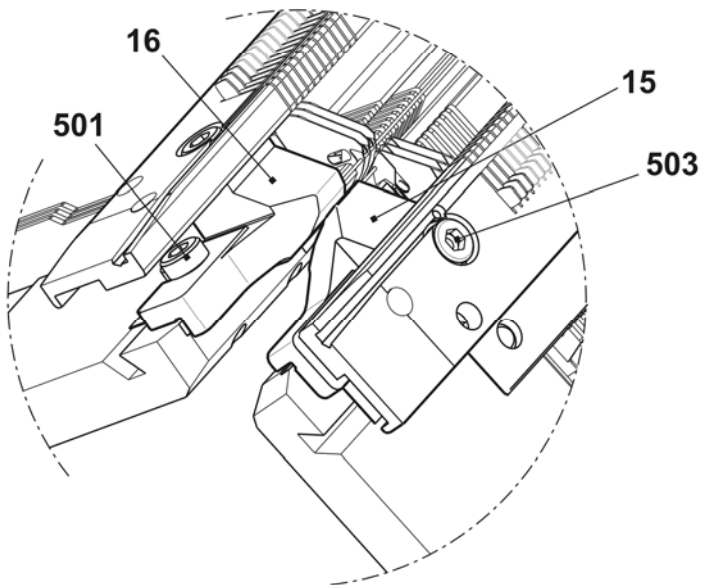
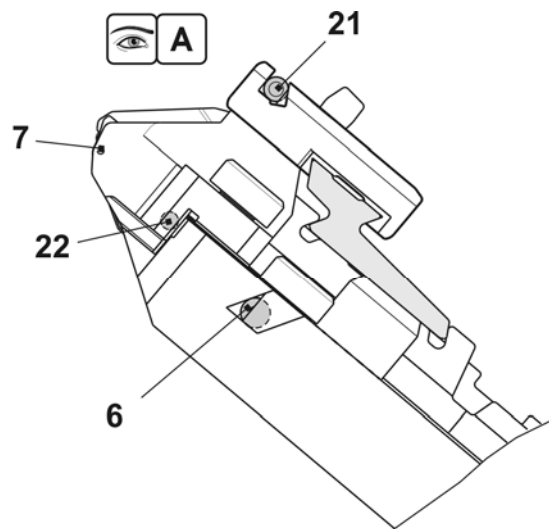
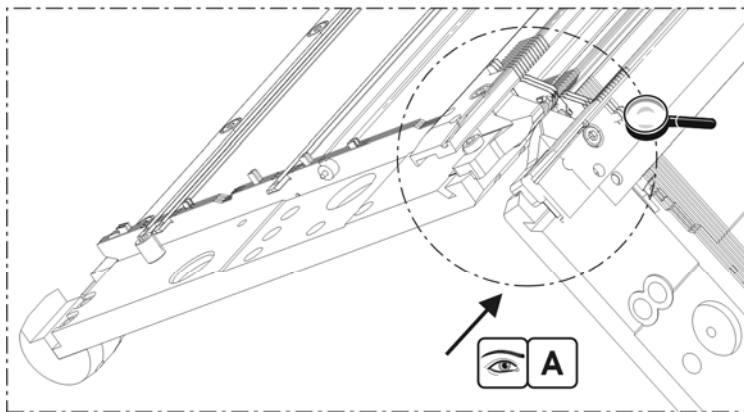
Needle bed E7.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front and rear E7.2	250 942	24	Needle rail on the right	207 293
1	Needle bed at the front + rear E14	250 343	25	Bush	206 090
2	Holding-down jack bed front E7.2	250 919	26	Support	241 339
3	Holding-down jack bed rear E7.2	250 920	27	Stop screw	214 039
4	Main trick wall E14	209 574	91	Needle E7.2 vosa special 112.70-62	225 230
5	Pressure slide	205 747	92	Coupling part E14	209 633
8	Spring steel wire 2.0 D	207 269	500	Cap screw M6X14	022 658
11	Intermediate slider with brake E14 (E7.2)	237 373	502	Cap screw M5x8	023 379
12	Selection jack with spring E14	224 725	503	Cap screw M5x22	023 193
13	Knock-over bit E14	209 649	505	Set screw M3.5x3	020 512
14	Holding-down jack trick wall E14	235 262	40*	Disk brush	235 612
17	Cover rail at the rear	250 572	41*	Container disk brush	233 012
18	Cover rail at the front E14	250 571	42*	Disk brush	202 600
19	Cover rail	250 575	43*	Adjusting bolt	240 765
20	Cover rail	250 576	540*	Cap screw M5x12	020 032
23	Needle rail on the left	207 292	541*	Adjusting washer P6x0.3	023 540



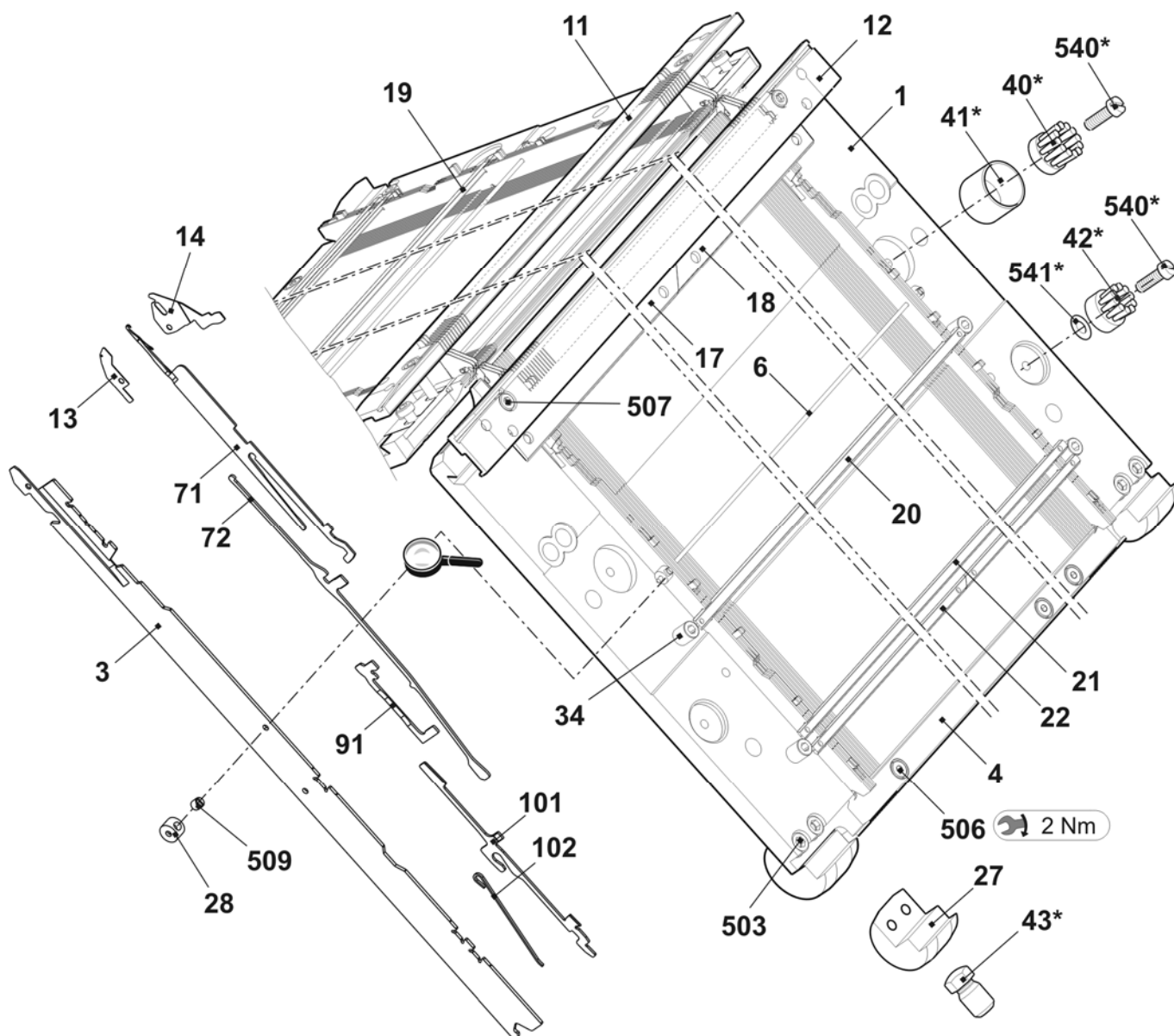
Continuation needle bed E7.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front + rear E7.2	250 942	503	Cap screw M5x22	023 193
6	Fixed wire 3.4d E10-12	208 389	504	Cap screw M5x12-8.8	022 943
7	Spring steel wire 0.6 D E10 - E12	208 388	507	Sprung thrust piece	023 177
15	Limiter on the left E10-14	205 764	508	Shim 0.02x18.5x34	023 194
16	Limiter on the right E10-14	205 765	509	Shim 0.03x18.5x34	023 195
21	Spring steel wire 2,8d	207 270	510	Shim 0.05x18.5x34	023 196
22	Spring steel wire 1.95 D	212 176	511	Shim 0.1x18.5x34	023 197
501	Cap screw M5x8-8.8	023 154	512	Shim 0.2x18.5x34	023 253



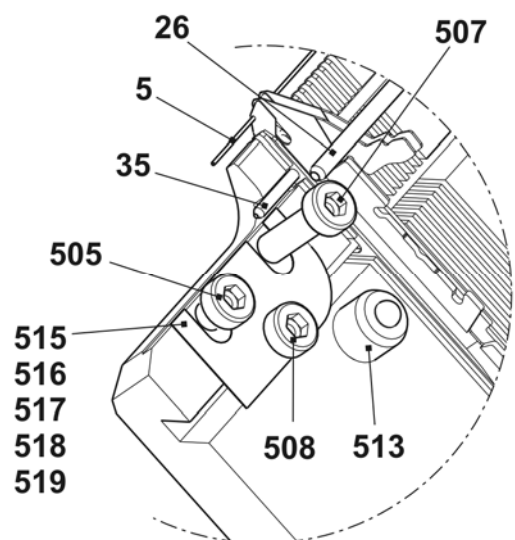
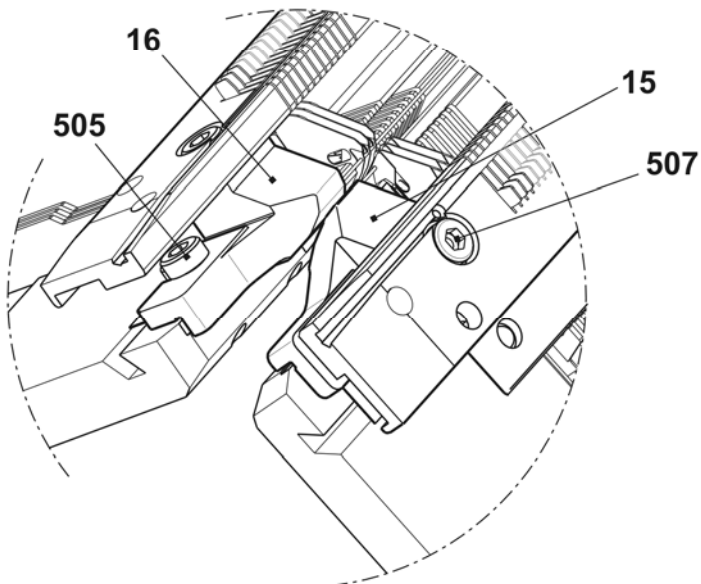
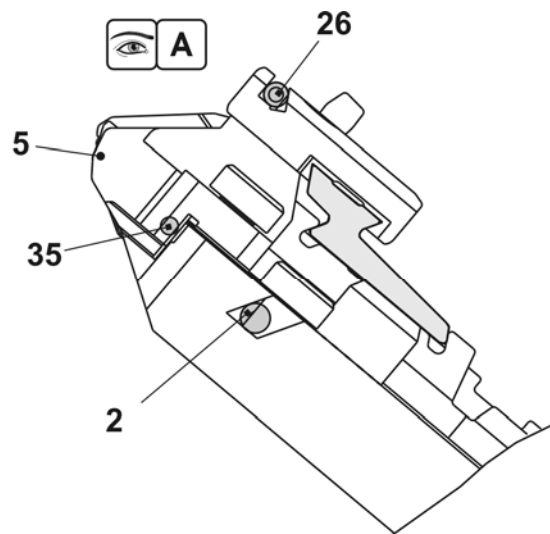
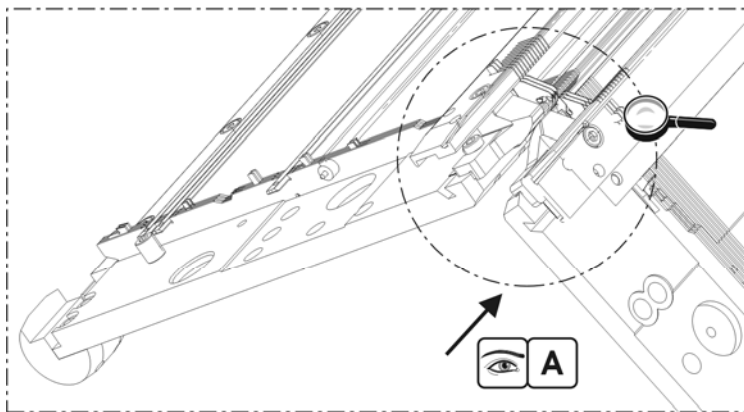
Needle bed E6.2 (E12m.10)

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front and rear E12m.10	250 943			
1	Needle bed at the front + rear E12	250 342	28	Bush	206 090
3	Main trick wall E12	205 355	34	Stop screw	214 039
4	Pressure slide	205 747	71	Needle E10 with round hook	205 398
6	Spring steel wire 2.0 D	207 269	72	Coupling part E10-12	200 683
91	Intermediate slider with brake E10-12	237 324	101	Selection jack E10-12	200 688
11	Holding-down jack bed rear E12	250 545	102	Selector spring E10-12	200 691
12	Holding-down jack bed front E12	250 544	503	Cap screw M6X14	022 658
13	Knock-over bit E12	205 013	506	Cap screw M5x8	023 379
14	Holding-down jack trick wall E12	227 821	507	Cap screw M5x22	023 193
17	Needle rail on the left	207 292	509	Set screw M3.5x3	020 512
18	Needle rail on the right	207 293	40*	Disk brush	235 612
19	Cover rail at the rear	250 572	41*	Container disk brush	233 012
20	Cover rail at the front E12	250 593	42*	Disk brush	202 600
21	Cover rail	250 575	43*	Adjusting bolt	240 765
22	Cover rail	250 576	540*	Cap screw M5x12	020 032
27	Support	241 339	541*	Adjusting washer P6x0.3	023 540



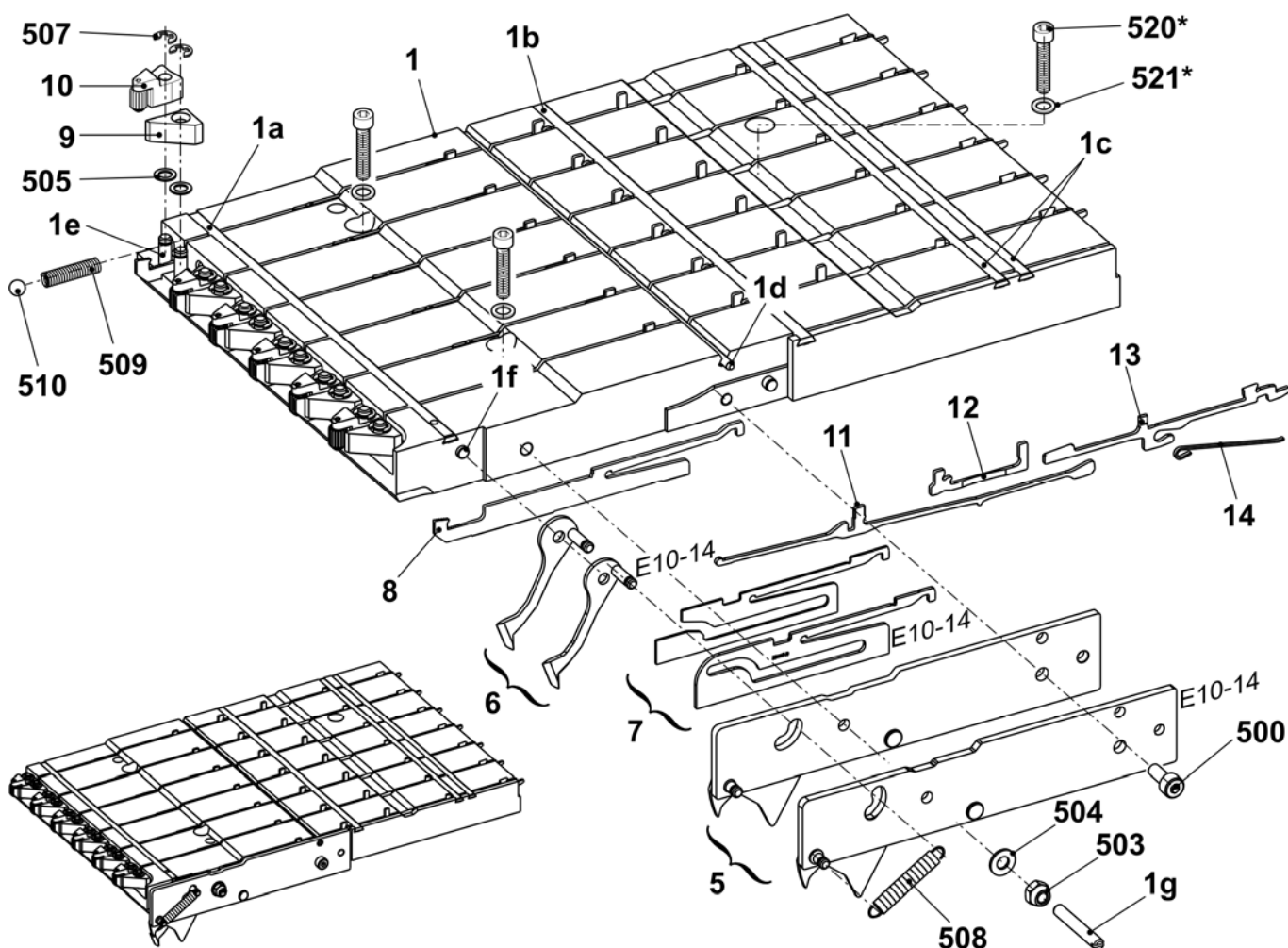
Continuation needle bed E6.2(12m.10)

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Needle bed complete at the front and rear E6.2(12m.10)	250 943	507	Cap screw M5x22	023 193
2	Fixed wire 3.4d E10-12	208 389	508	Cap screw M5x12-8.8	022 943
5	Spring steel wire 0.6 D E10 - E12	208 388	513	Sprung thrust piece	023 177
15	Limiter on the left E10-14	205 764	515	Shim 0.02x18.5x34	023 194
16	Limiter on the right E10-14	205 765	516	Shim 0.03x18.5x34	023 195
26	Spring steel wire 2,8d	207 270	517	Shim 0.05x18.5x34	023 196
35	Spring steel wire 1.95 D	212 176	518	Shim 0.1x18.5x34	023 197
505	Cap screw M5x8-8.8	023 154	519	Shim 0.2x18.5x34	023 253



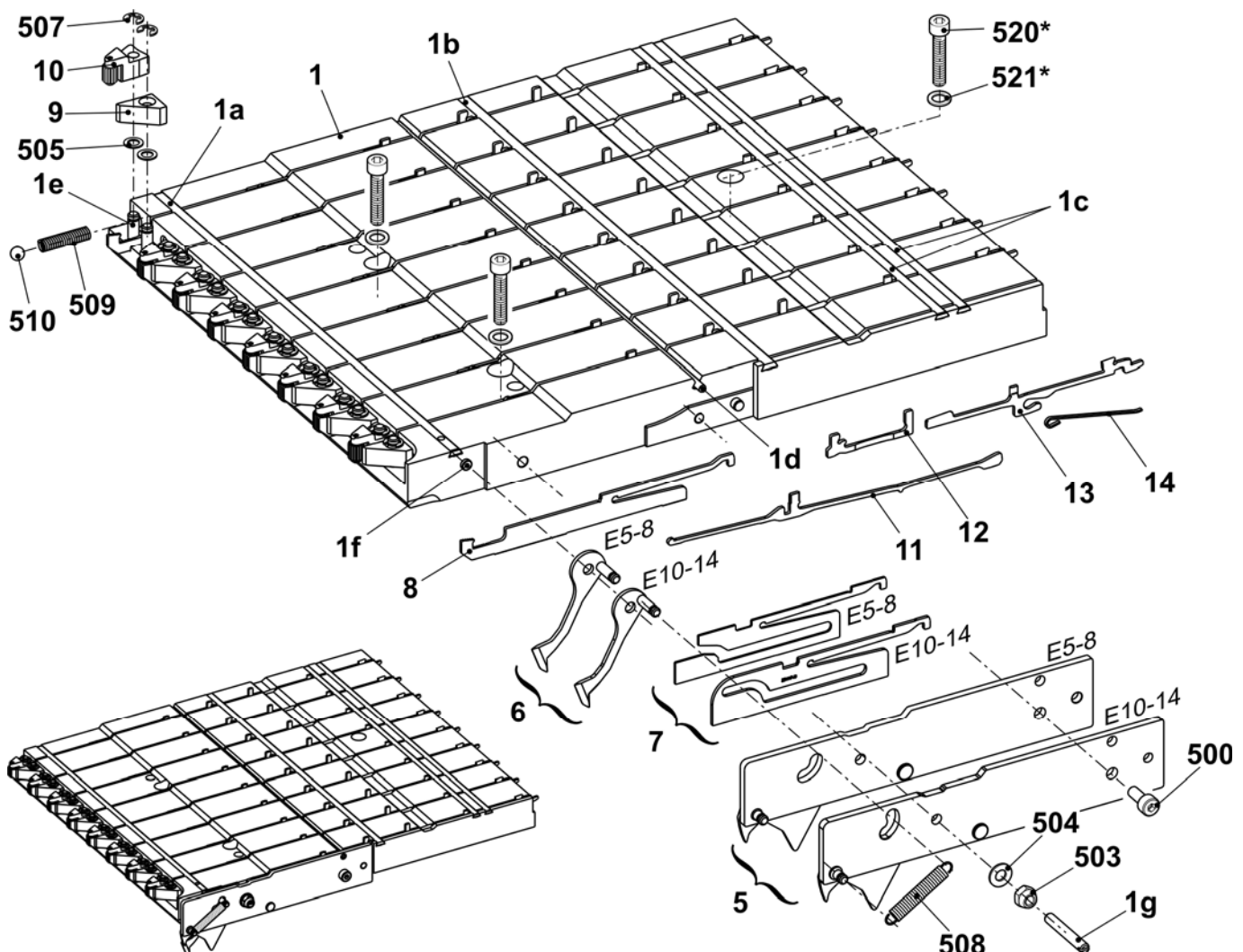
Clamping/cutting bed CMS420E

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Clamping/cutting bed on the right		8	Tuck needle on the right E10-14	210 249
	E5 - E8	250 658	9	Blade	210 422
	E10 - E14	250 660	10	Clamp on the right complete	210 464
1	Guide plate E5-14	250 654	11	Coupling part E4-8 (E10-14)	200 682
1a	Cover rail	250 638	12	Intermediate slider with brake E5-8 (E10-14)	237 323
1b	Cover rail	250 639	13	Coupling part E4-8 (E10-14)	200 687
1c	Cover rail	250 640	14	Selector spring E4-8 (E10-14)	200 690
1d	Fixed wire	250 641	500	Cap screw M4x10	023 136
1e	Bolt	208 094	503	Hexagon nut M4	023 046
1f	Axle	211 349	504	Washer 4	020 870
1g	Guide pin	211 351	505	Washer 4.3x7x0.5	022 153
5	Cover on the right complete	211 347	507	Circlip 3.2	021 019
	Cover on the right complete E10-14	251 119	508	Tension spring 5x0,55x18,9 (E5 - E8)	023 377
6	Catch hook on the right	213 150		Tension spring 4x0,55x18,9 (E10 - E18)	023 392
	Catch hook on the right E10-14	251 378	509	Compression spring 0.8x4x26.3	023 333
7	Slider E4-8	211 096	510	Ball DIN 5401 - 5	023 309
	Slider E10-14	251 117	520*	Cap screw M6x25	023 335
8	Tuck needle on the right E4-8	210 420	521*	Washer 7.6x11.6x1.5	023 334



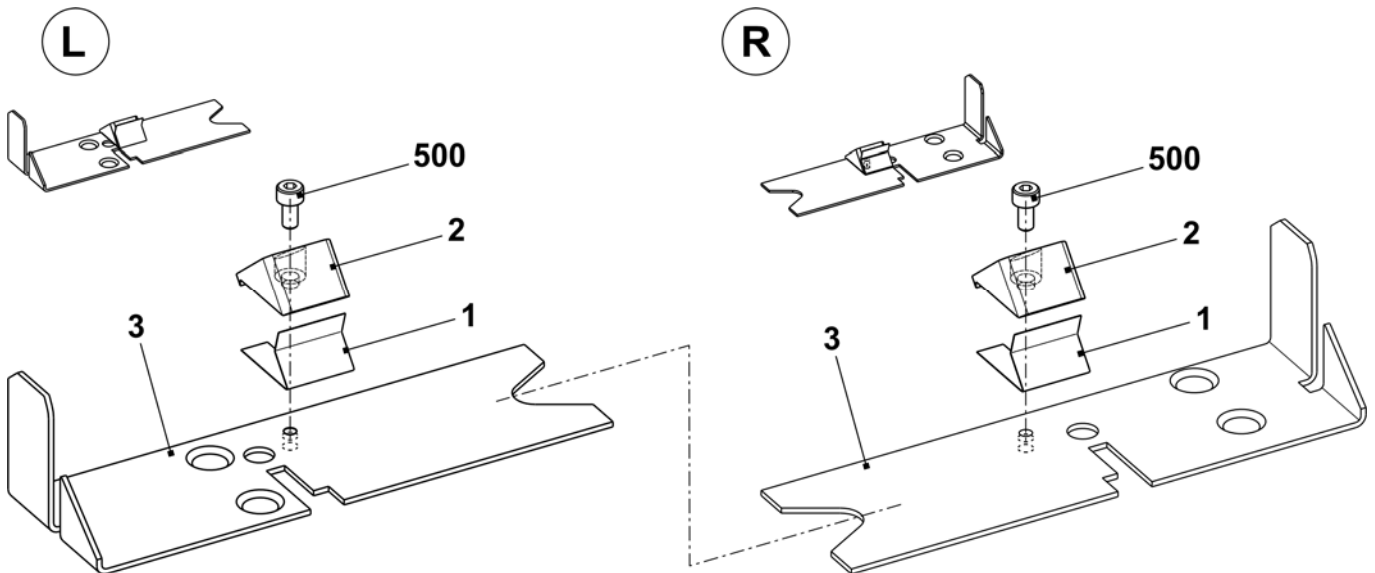
Clamping/cutting bed CMS420EMG

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Clamping/cutting bed on the right		8	Tuck needle on the right E10-14 (E6.2/7.2/12m.10)	210 249
	E5 - E8 (E3,5.2)	245 334	9	Blade	210 422
	E10 - E14 (E6.2/7.2/12m.10)	245 336	10	Clamp on the right complete	210 464
1	Guide plate E5-14	245 341	11	Coupling part E4-E8	200 682
1a	Cover rail	211 358	12	Intermediate slider with brake E5-E8	237 323
1b	Cover rail	209 223	13	Selection jack E4-E8	200 687
1c	Cover rail	209 224	14	Selector spring E4-E8	200 690
1d	Fixed wire	215 927	500	Cap screw M4x10	023 136
1e	Bolt	208 094	503	Hexagon nut M4	023 046
1f	Axle	211 349	504	Washer 4	020 870
1g	Guide pin	211 351	505	Washer 4.3x7x0.5	022 153
5	Cover on the right complete	211 347	507	Circlip 3.2	021 019
	Cover on the right complete E10-14	251 119	508	Tension spring 5x0.55x18.9 (E3,5.2)	023 377
6	Catch hook on the right	213 150		Tension spring 4x0.55x18.9 (E6.2/7.2/12m.10)	023 392
	Catch hook on the right E10-14	251378	509	Compression spring 0.8x4x26.3	023 333
7	Slider E4-8 (E3,5.2)	211 096	510	Ball DIN 5401 - 5	023 309
	Slider E10-14 (E6.2/7.2/12m.10)	251 117	520*	Cap screw M6x25	023 335
8	Tuck needle on the right E4-8 (E3,5.2)	210 420	521*	Washer 7.6x11.6x1.5	023 334



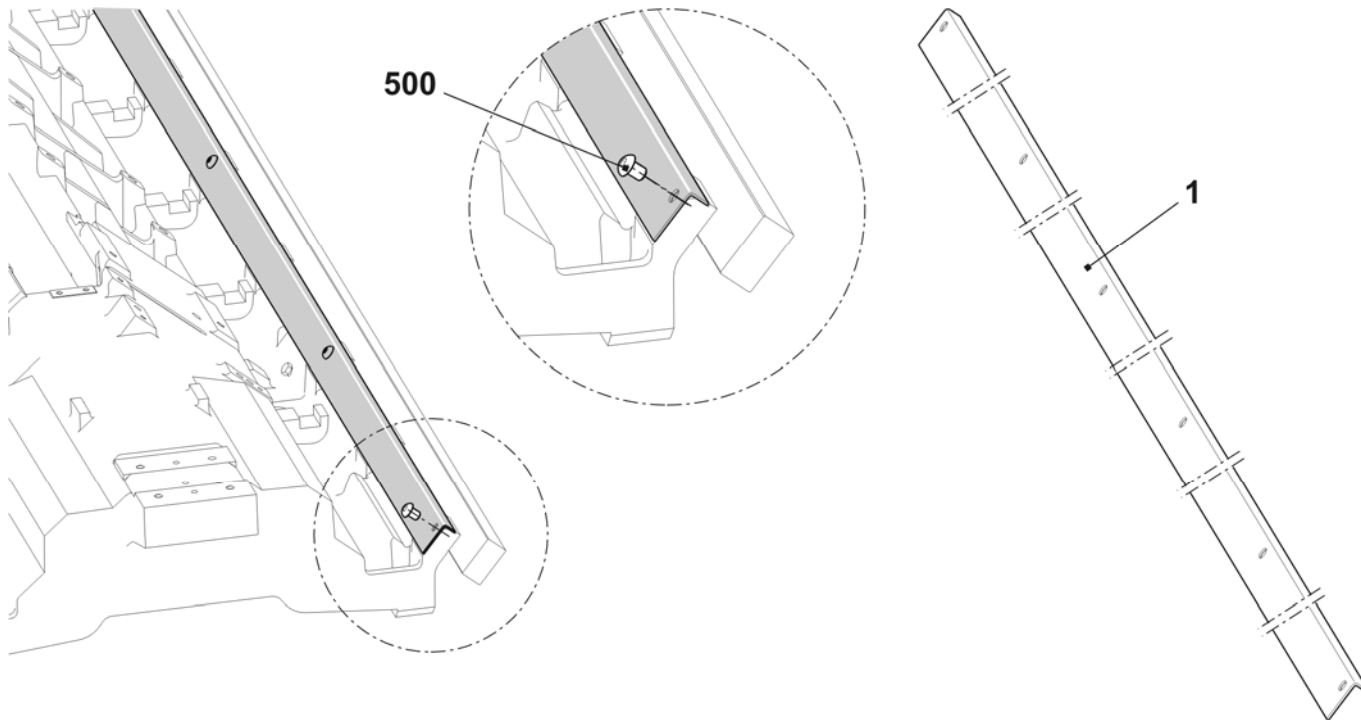
Yarn brake at clamping/cutting bed

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ L	Yarn brake	240 019	Σ R	Yarn brake	240 021
1	Leaf spring	232 164	1	Cover on the right	240 022
2	Clamping part	232 165	2	Leaf spring	232 164
3	Cover on the left	240 020	3	Clamping part	232 165
500	Cap screw M4x8	022 501	500	Cap screw M4x8	022 501



Cover

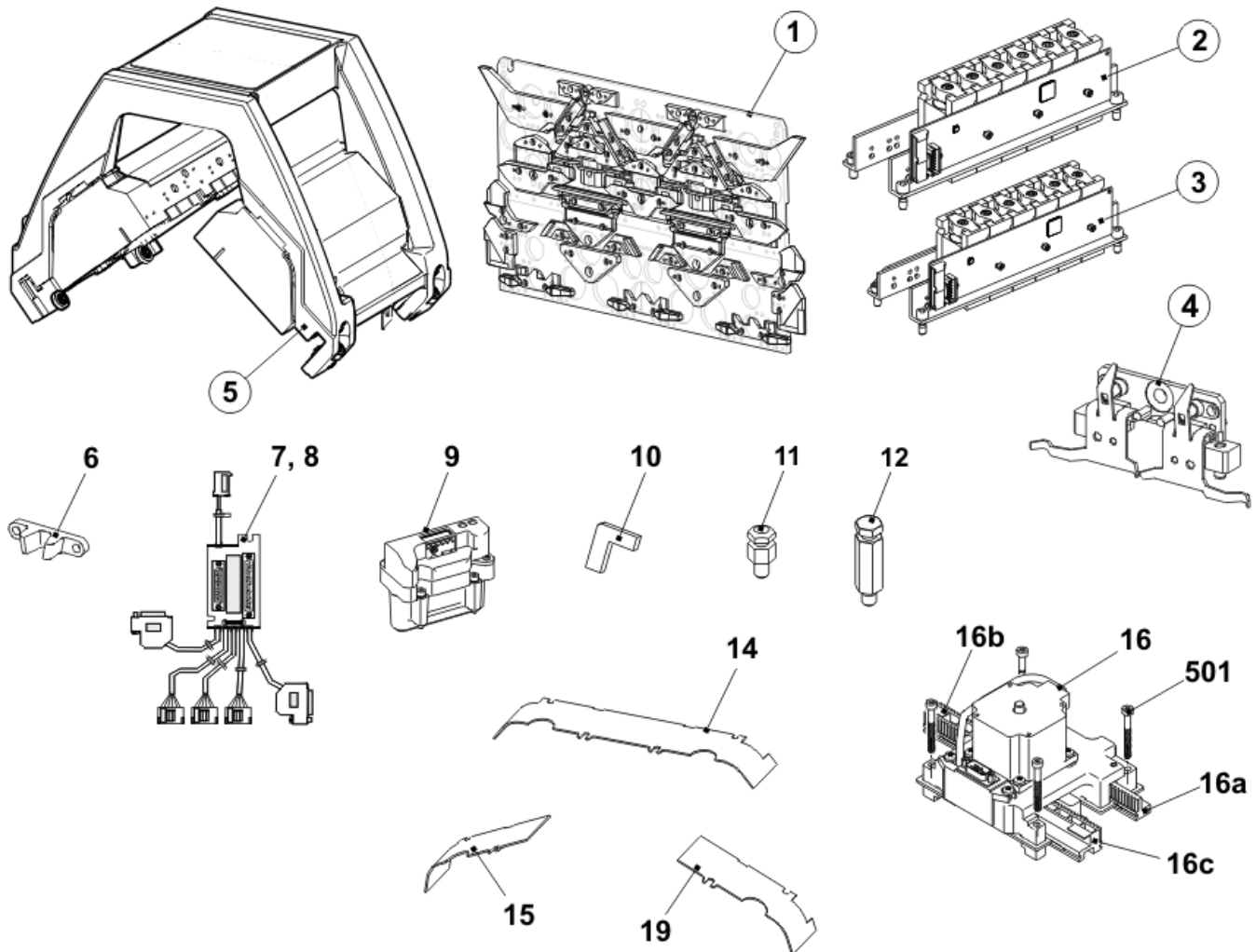
Pos	Designation	Ident No	Pos	Designation	Ident No
1	Cover	241 922	500	Countersunk screw M8x10	241 930



Carriage

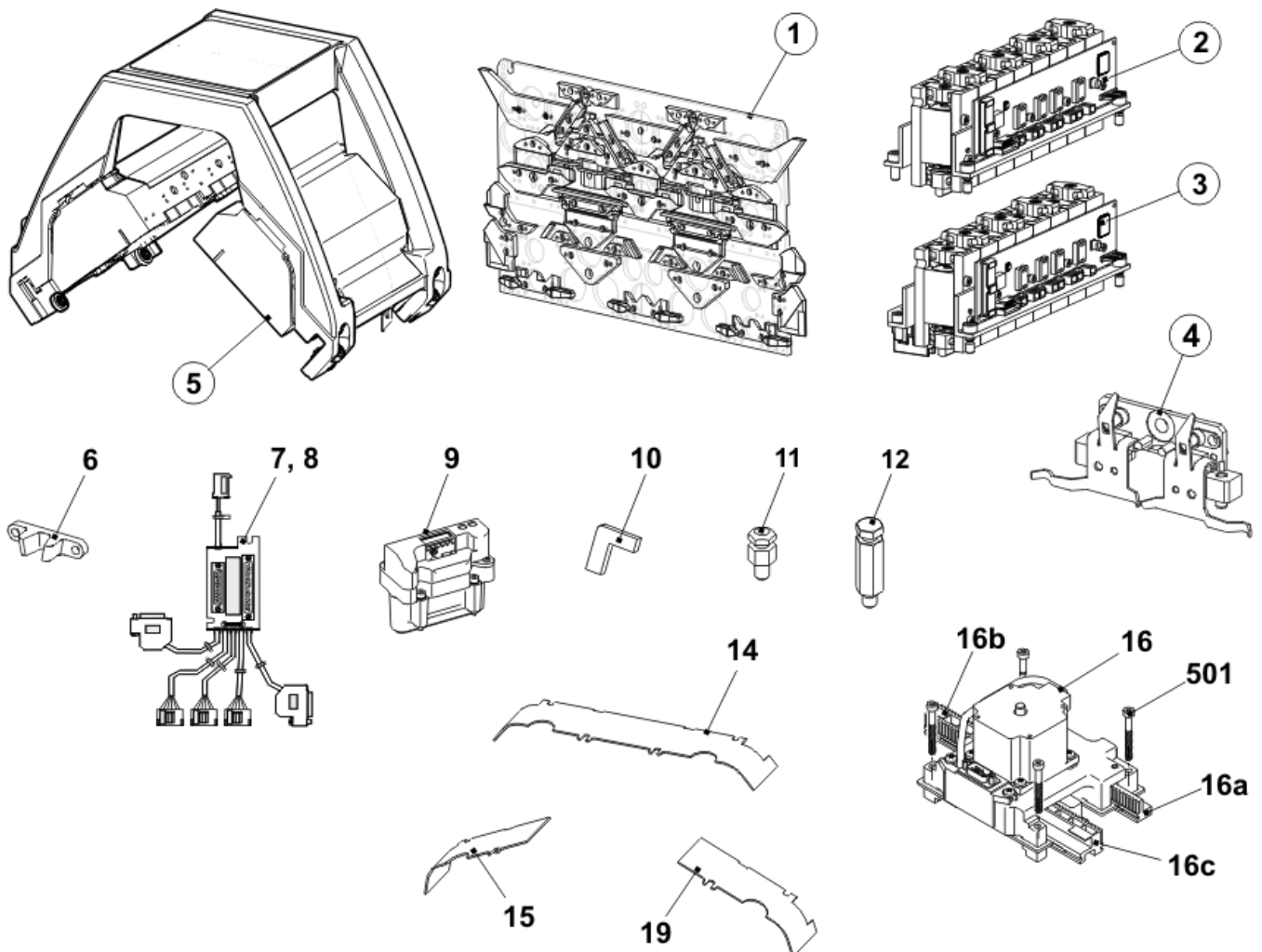
Overview of carriage 420E

Pos	Designation	Ident No	Pos	Designation	Ident No
	Carriage complete		1	Cam box complete	
	E5	251 017		E5	251 015
	E7	250 672		E7	250 673
	E12	251 018		E12	251 016
	E14	250 314		E14	250 313
2	YC driving outside complete	250 648	12	Bolt	243 171
3	YC driving in the middle complete	250 649	14	Cover plate at the top	250 594
4	Holding-down jack control	213 266	15	Cover plate at the bottom	250 595
5	Carriage assembly 2 cam boxes complete	251 069	16	Motor unit complete	211 017
6	Plunger	210 559	16a	Gear rack at the top	209 781
7	Distributor at the rear 520 okc	240 558	16b	Gear rack in the middle	209 782
8	Distributor at the front	240 559	16c	Gear rack at the bottom	209 783
9	Selection system complete	216 218	19	Cover plate at the bottom	251 127
10	Wiper (felt)	241 411	501	Cap screw M4x30	023 290
11	Bolt	212 392			



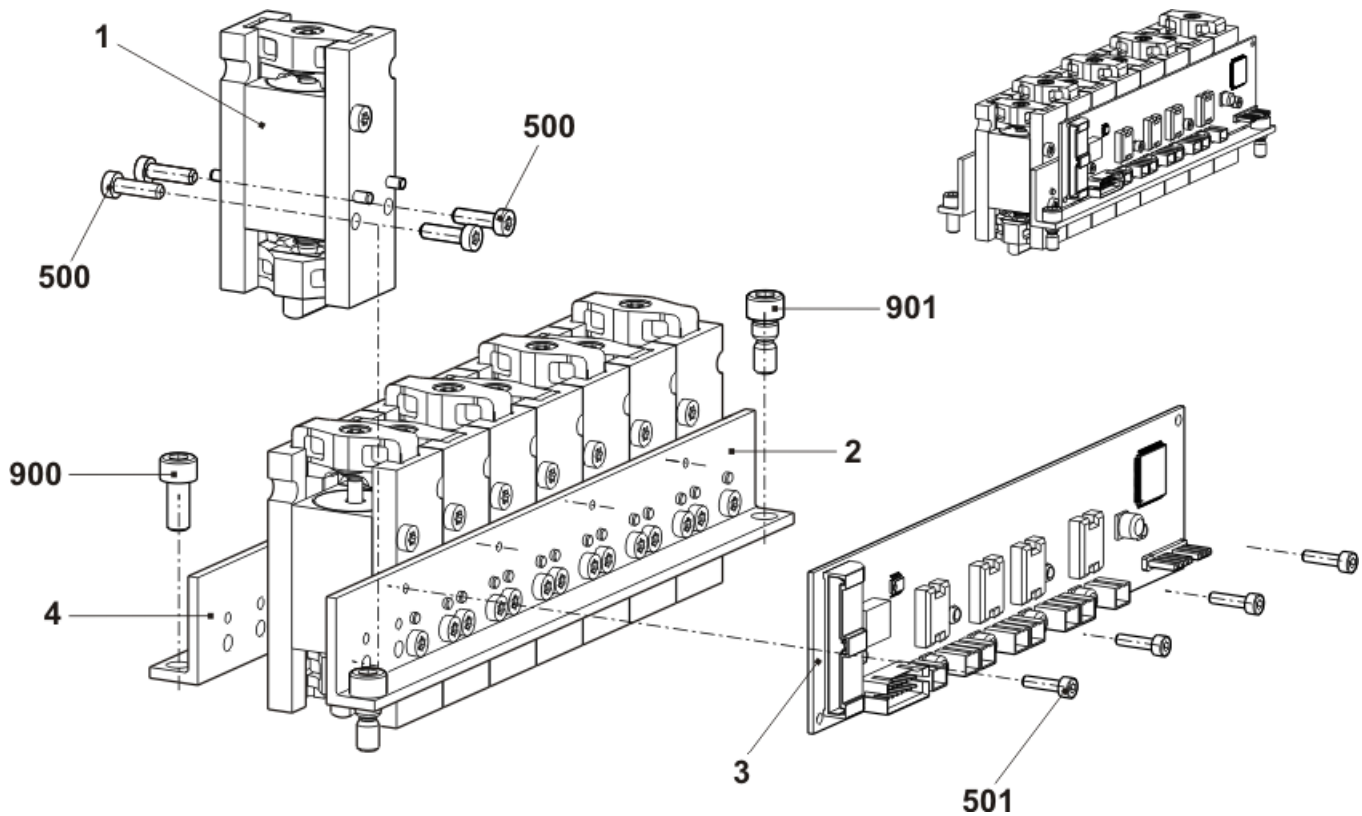
Overview of carriage 420EMG

Pos	Designation	Ident No	Pos	Designation	Ident No
	Carriage complete		1	Cam box complete	
	E3.5.2	250 993		E3.5.2	250 983
	E6.2	250 995		E6.2	250 990
	E7.2	250 969		E7.2	250 968
	E6.2(12m.10)	250 994		E6.2(12m.10)	250 985
2	YC driving outside complete	241 080	12	Bolt	243 171
3	YC driving in the middle complete	241 081	14	Cover plate at the top	250 594
4	Holding-down jack control	213 266	15	Cover plate at the bottom	250 595
5	Carriage assembly 2 cam boxes complete	250 645	16	Motor unit complete	211 017
6	Plunger	210 559	16a	Gear rack at the top	209 781
7	Distributor at the rear 520 okc	240 558	16b	Gear rack in the middle	209 782
8	Distributor at the front 520 okc	240 559	16c	Gear rack at the bottom	209 783
9	Selection system complete	216 218	19	Cover plate at the bottom	251 127
10	Wiper (felt)	241 411	501	Cap screw M4x30	023 290
11	Bolt	212 392			



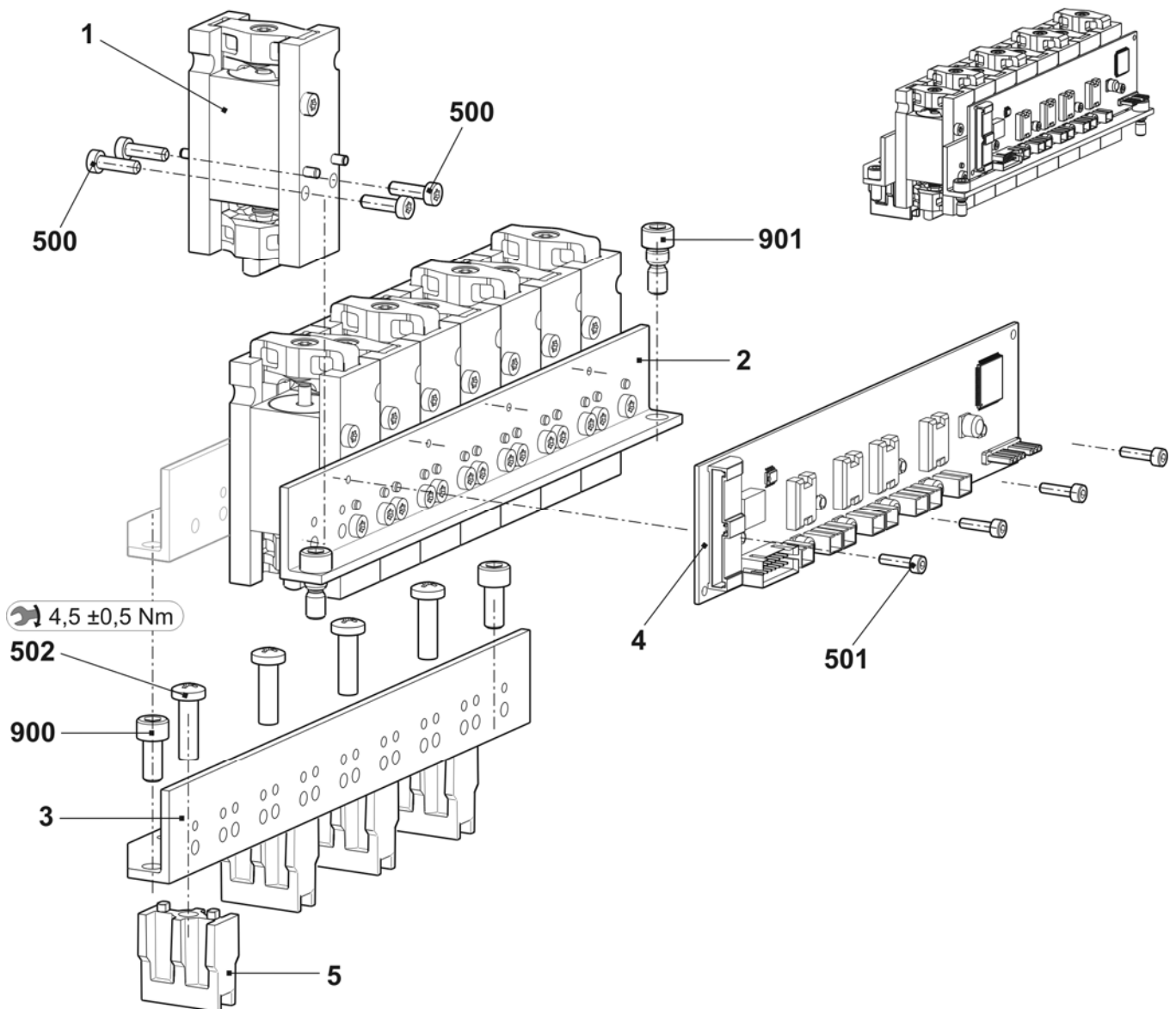
Yarn carrier driving unit without guiding part 420E

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	YC driving outside complete	250 648	500	Cap screw M4x14-I-Torx	242 279
1	Yarn carrier plunger complete	242 214	501	Cap screw M3x12-12.9	022 648
2	Support angle for jack	241 038	900	Cap screw M6X14	022 658
3	Card yarn carrier final stages OKC	300 960	901	Shoulder screw	231 899
4	Support angle for YC driving	242 903			



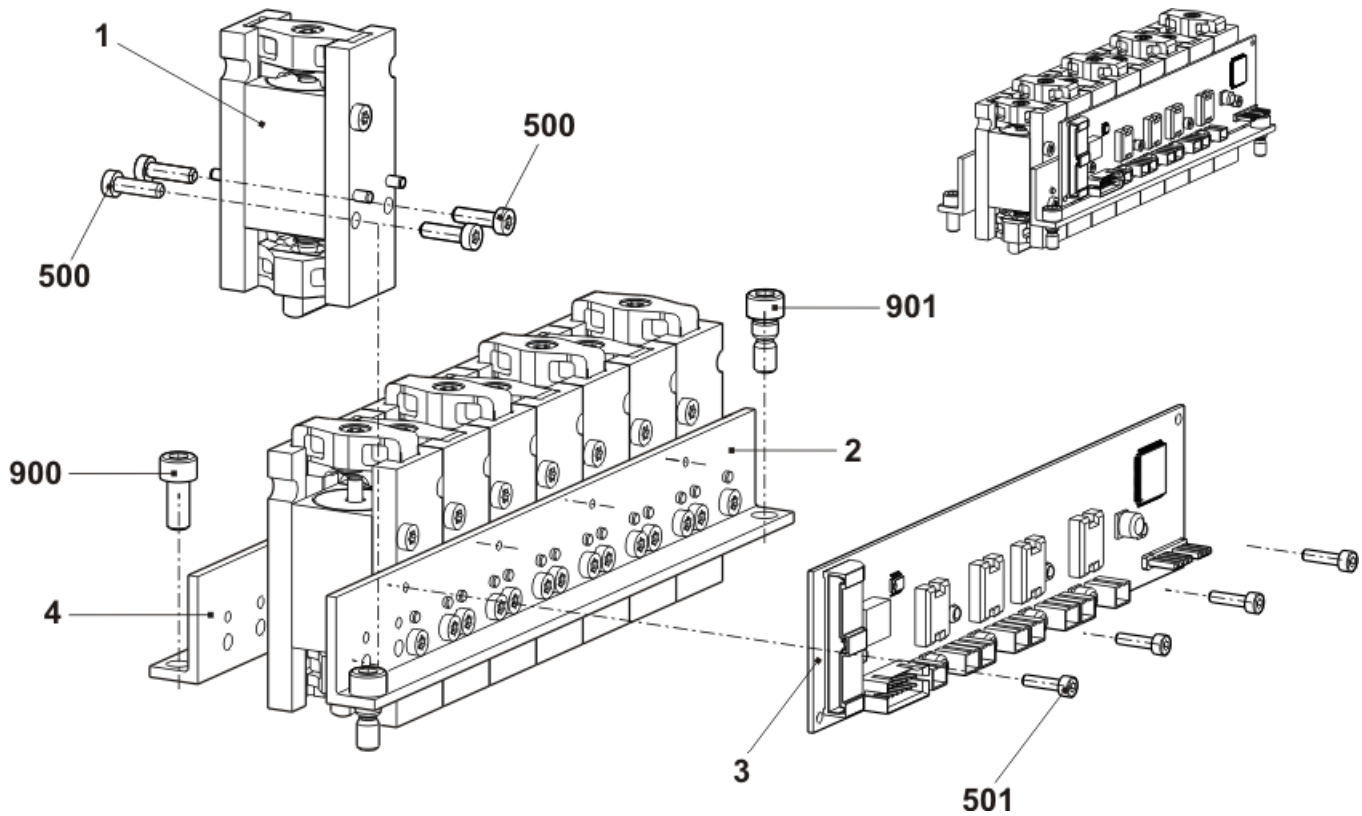
Yarn carrier driving unit with guiding part 420E

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	YC driving in the middle complete	250 649	500	Cap screw M4x14-I-Torx	242 279
1	Yarn carrier plunger complete	242 214	501	Cap screw M3x12-12.9	022 648
2	Support angle for jack	241 038	502	Screw KB60X20	243 625
3	Support angle for YC driving	242 903	900	Cap screw M6X14	022 658
4	Card yarn carrier final stages OKC	300 960	901	Shoulder screw	231 899
5	Guiding part	239 972			



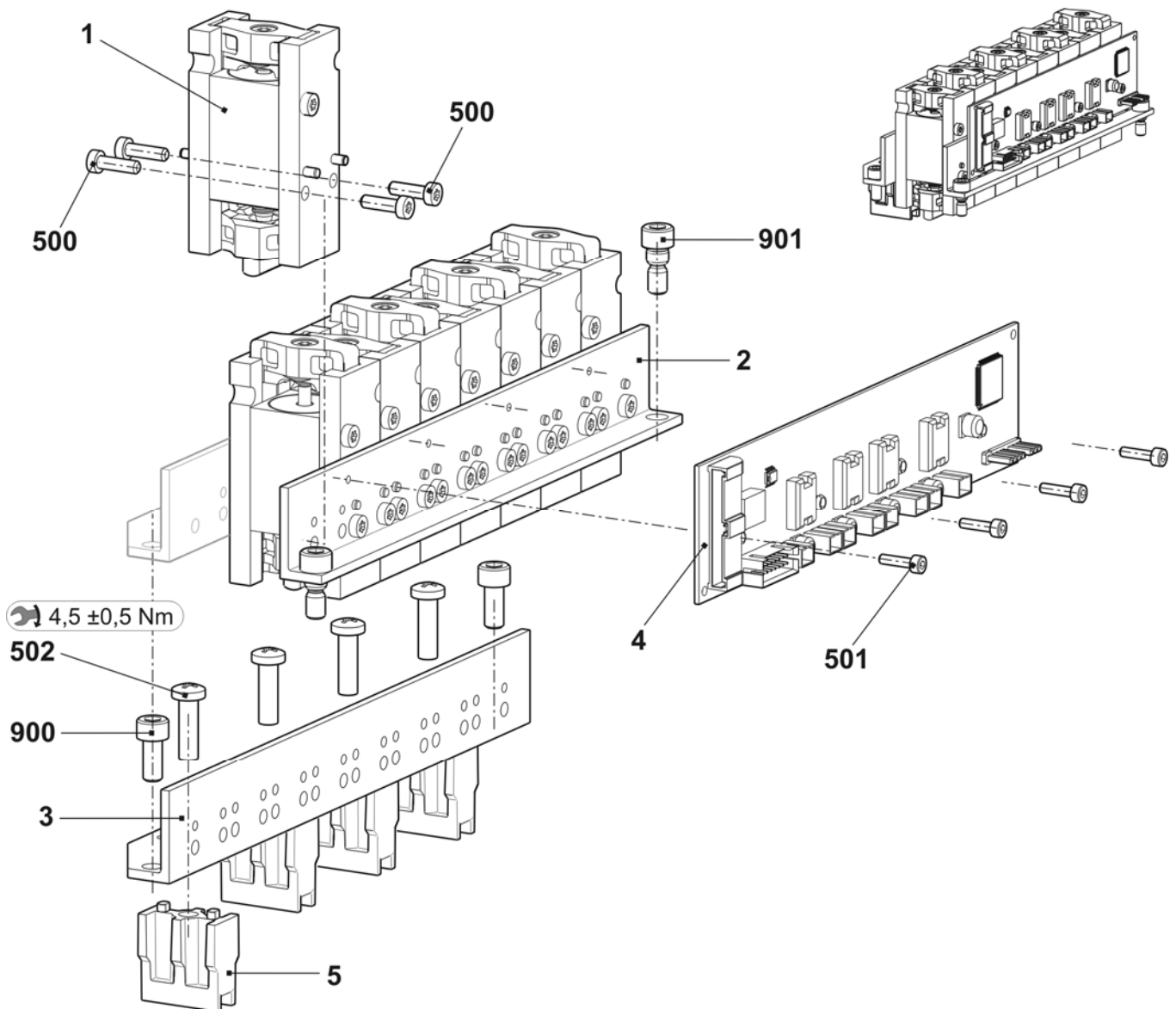
Yarn carrier driving unit without guiding part 420EMG

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	YC driving outside complete	241 080	500	Cap screw M4x14-I-Torx	242 279
1	Yarn carrier plunger complete	242 214	501	Cap screw M3x12-12.9	022 648
2	Support angle for jack	241 038	900	Cap screw M6X14	022 658
3	Card yarn carrier final stages OKC	300 960	901	Shoulder screw	231 899
4	Support angle for YC driving	242 903			



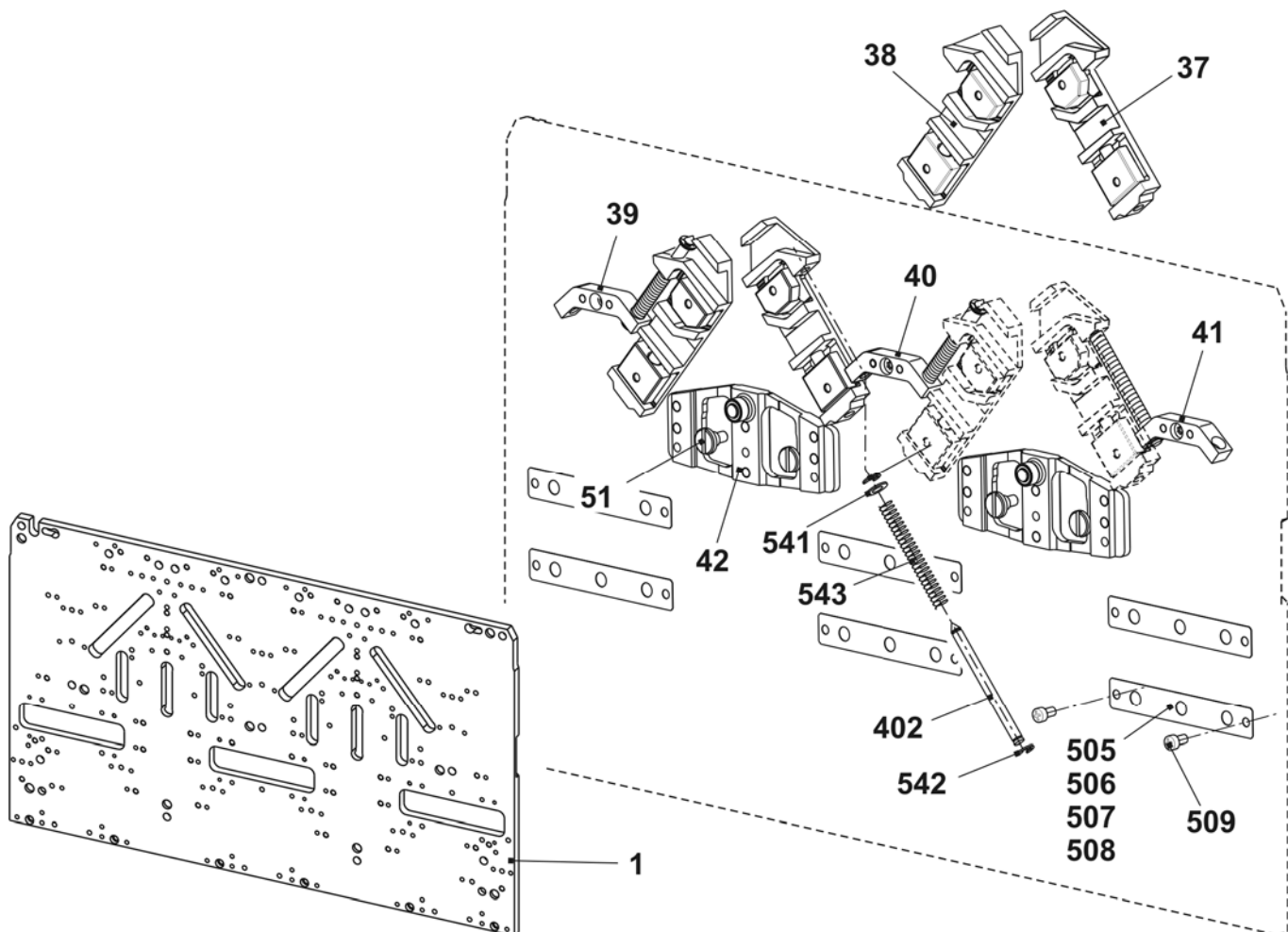
Yarn carrier driving unit with guiding part 420EMG

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	YC driving in the middle complete	241 081	500	Cap screw M4x14-I-Torx	242 279
1	Yarn carrier plunger complete	242 214	501	Cap screw M3x12-12.9	022 648
2	Support angle for jack	241 038	502	Screw KB60X20	243 625
3	Support angle for YC driving	242 903	900	Cap screw M6X14	022 658
4	Card yarn carrier final stages OKC	300 960	901	Shoulder screw	231 899
5	Guiding part	239 972			



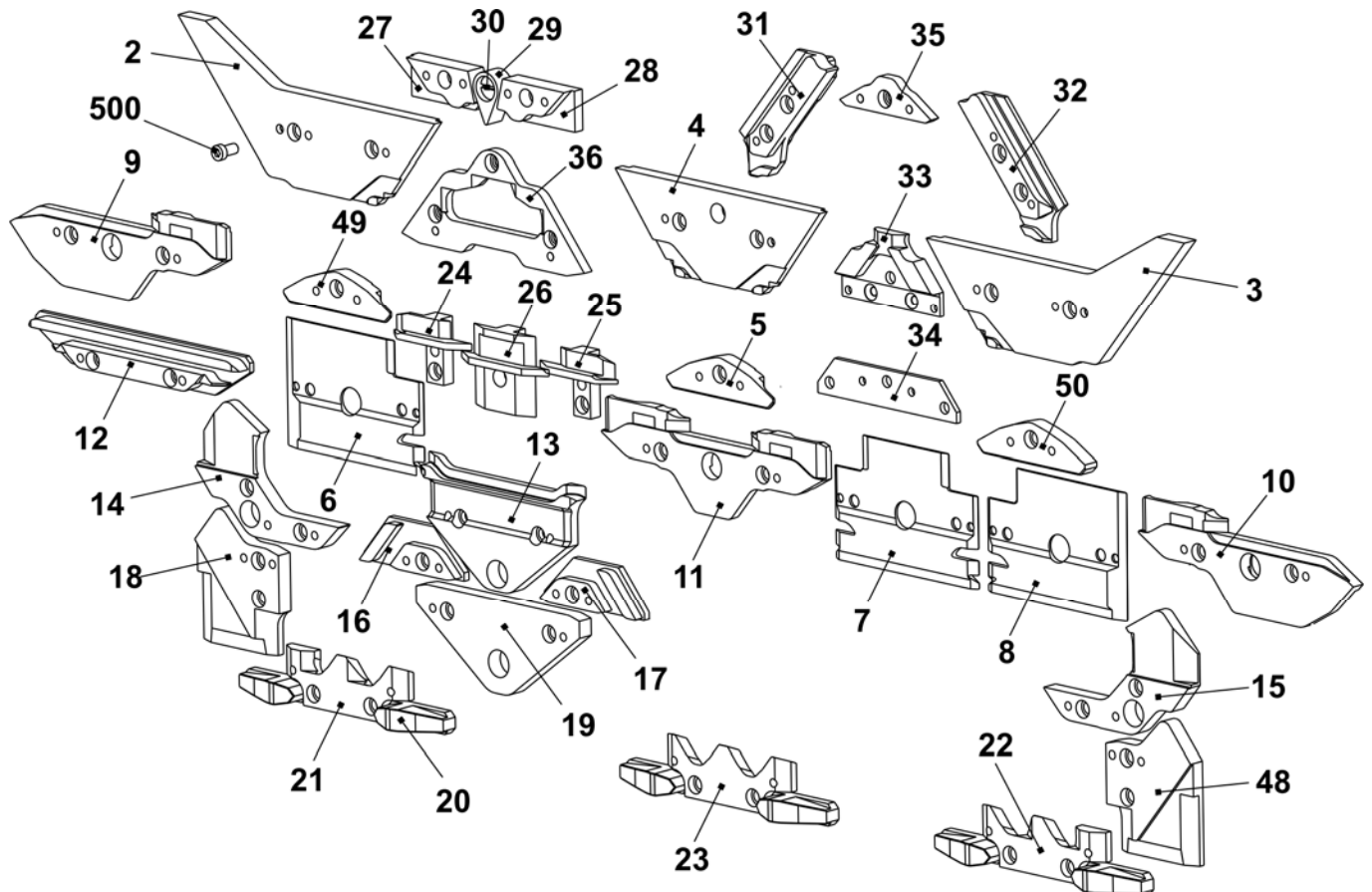
Cam box E5

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E5	251 015	42	Switching piece	240 281
1	Cam plate	250 177	51	Shoulder screw	239 626
37	Stitch forming cam on the right complete E5 - E10	211 163	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left complete E5 - E10	211 164	506	Shim 0.05x12x75	022 829
39	Rod guide element on the left	211 165	507	Shim 0.1x12x75	022 830
40	Rod guide element in the middle	211 166	508	Shim 0.2x12x75	022 831
41	Rod guide element on the right	211 168	509	Countersunk screw	023 142
402	Spring rod	209 791			
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



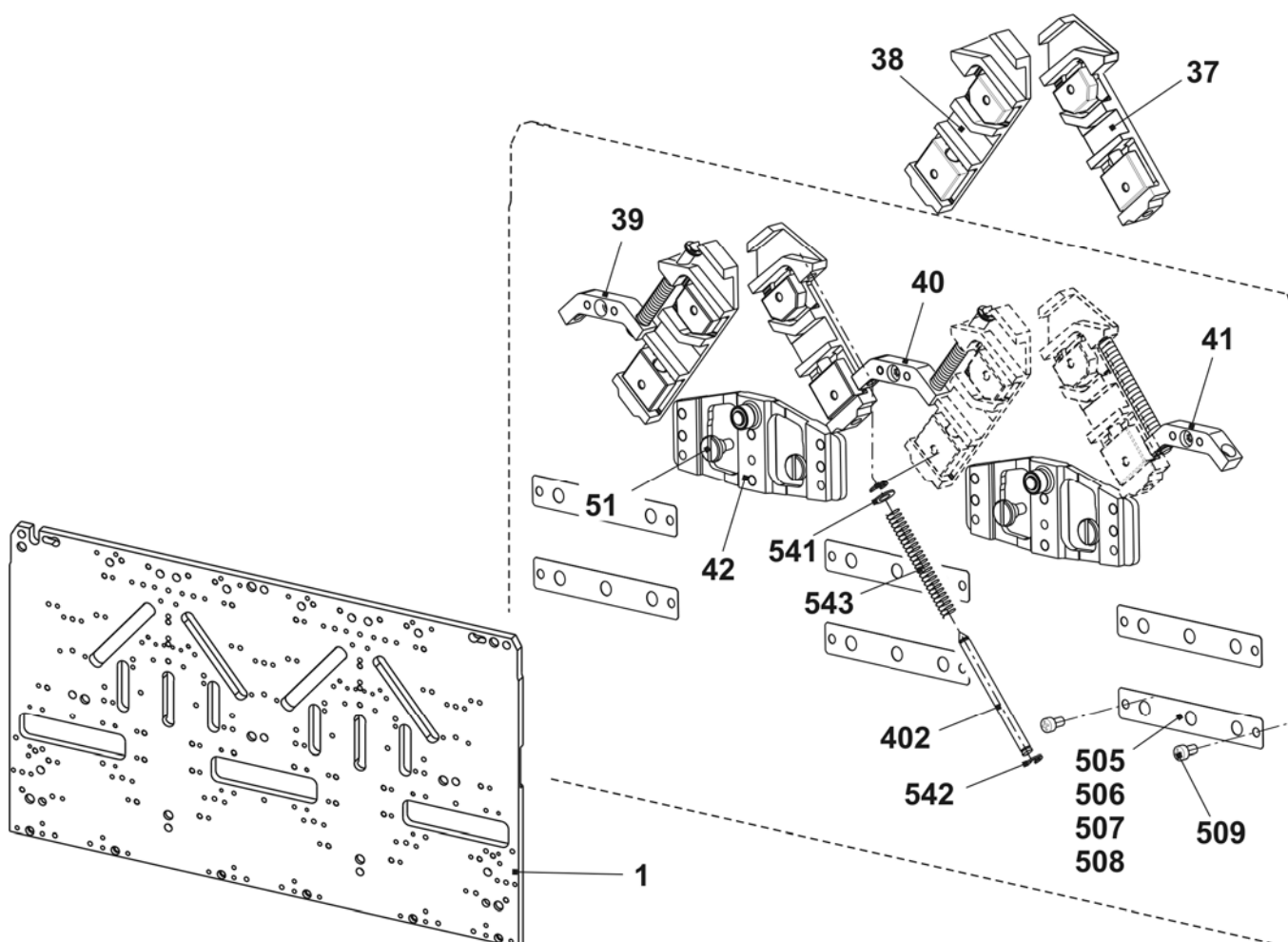
Continuation cam box E5

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E5	251 015			
2	Entry cam on the left	213 304	22	Selector cam on the right	212 947
3	Entry cam on the right	213 303	23	Selector cam	212 946
4	Entry cam at the top	210 285	24	Pressure part take-over on the left	239 848
5	Entry cam in the middle at the bottom E2,5.2 + E3,5.2	235 719	25	Pressure part take-over on the right	239 849
6	Plate on the left	230 988	26	Tuck pressure part	239 621
7	Plate in the middle	231 035	27	Limit cam on the left E5	210 289
8	Plate on the right	231 036	28	Limit cam on the right E5	210 290
9	Cam on the left	231 039	29	Pointer E2,5.2 + E3,5.2	229 505
10	Cam on the right	231 041	30	Screw	210 335
11	Cam in the middle	231 040	31	Stitch cam on the left E2,5.2 + E3,5.2	235 712
12	Cam	227 923	32	Stitch cam on the right E2,5.2 + E3,5.2	235 713
13	Cam	210 254	33	Tuck limit cam E5	214 051
14	Cam on the left E5-14	212 265	34	Raising cam plate E4-12	204 372
15	Cam on the right E5-14	212 266	35	Receiving cam E5	210 386
16	Cam on the left	236 192	36	Raising cam without split E5	213 302
17	Cam on the right	236 193		Knitting raising cam with split E5	213 294
18	Cam on the left E5-14	212 274		Accessories	
19	Cam	210 252	48	Cam on the right E5-14	212 275
20	Offering cam	210 185	49	Entry cam on the left bottom E5-8	235 718
21	Selector cam on the left	212 944	50	Entry cam on the right at the bottom E5-8	235 720
			500	Cap screw M4x8	020 091



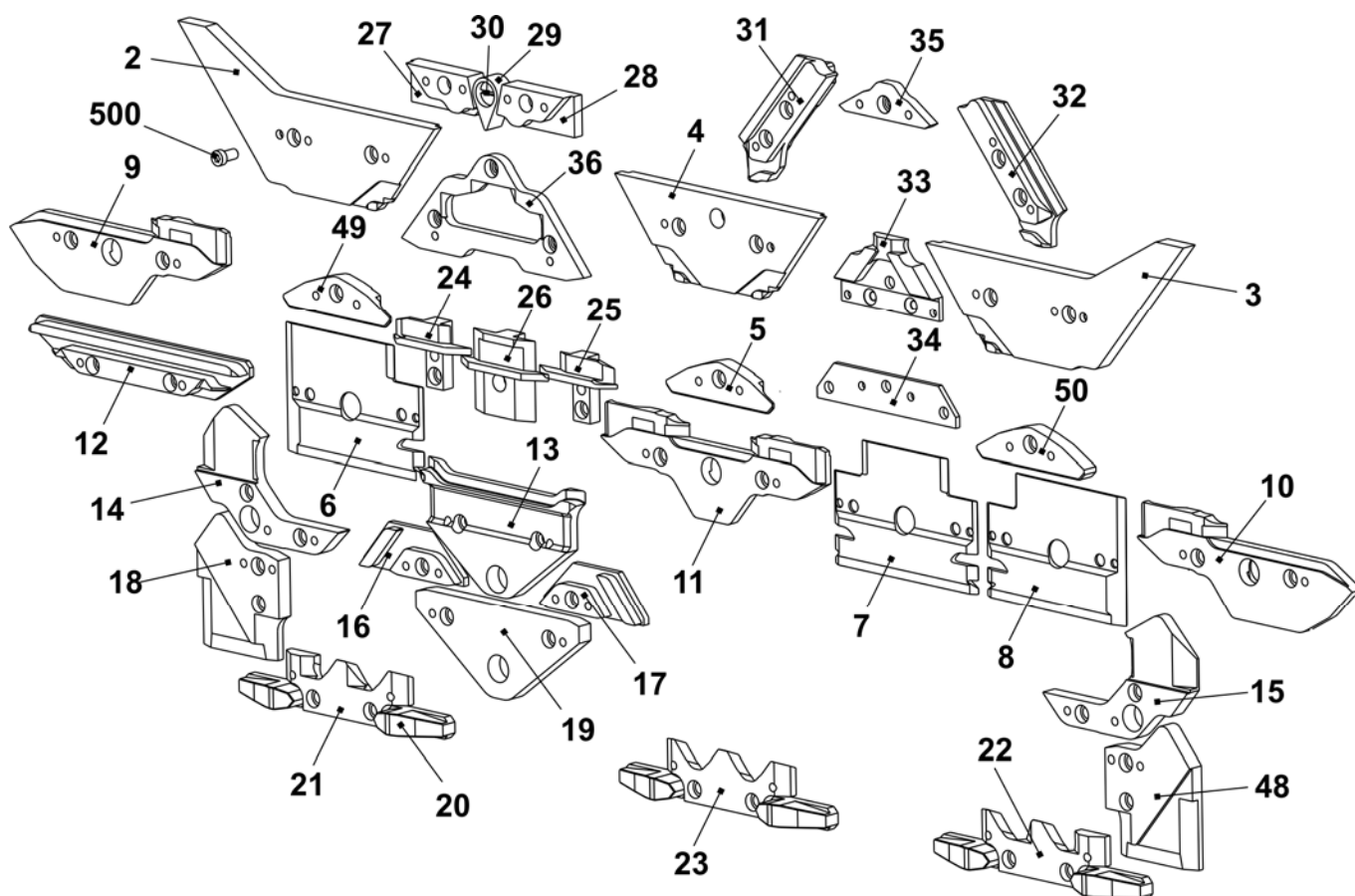
Cam box E7

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E7	250 673	42	Switching piece	240 281
1	Cam plate	250 177	51	Shoulder screw	239 626
37	Stitch forming cam on the right complete E5 - E10	211 163	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left complete E5 - E10	211 164	506	Shim 0.05x12x75	022 829
39	Rod guide element on the left	211 165	507	Shim 0.1x12x75	022 830
40	Rod guide element in the middle	211 166	508	Shim 0.2x12x75	022 831
41	Rod guide element on the right	211 168	509	Countersunk screw M3x4	023 142
402	Spring rod	209 791			
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



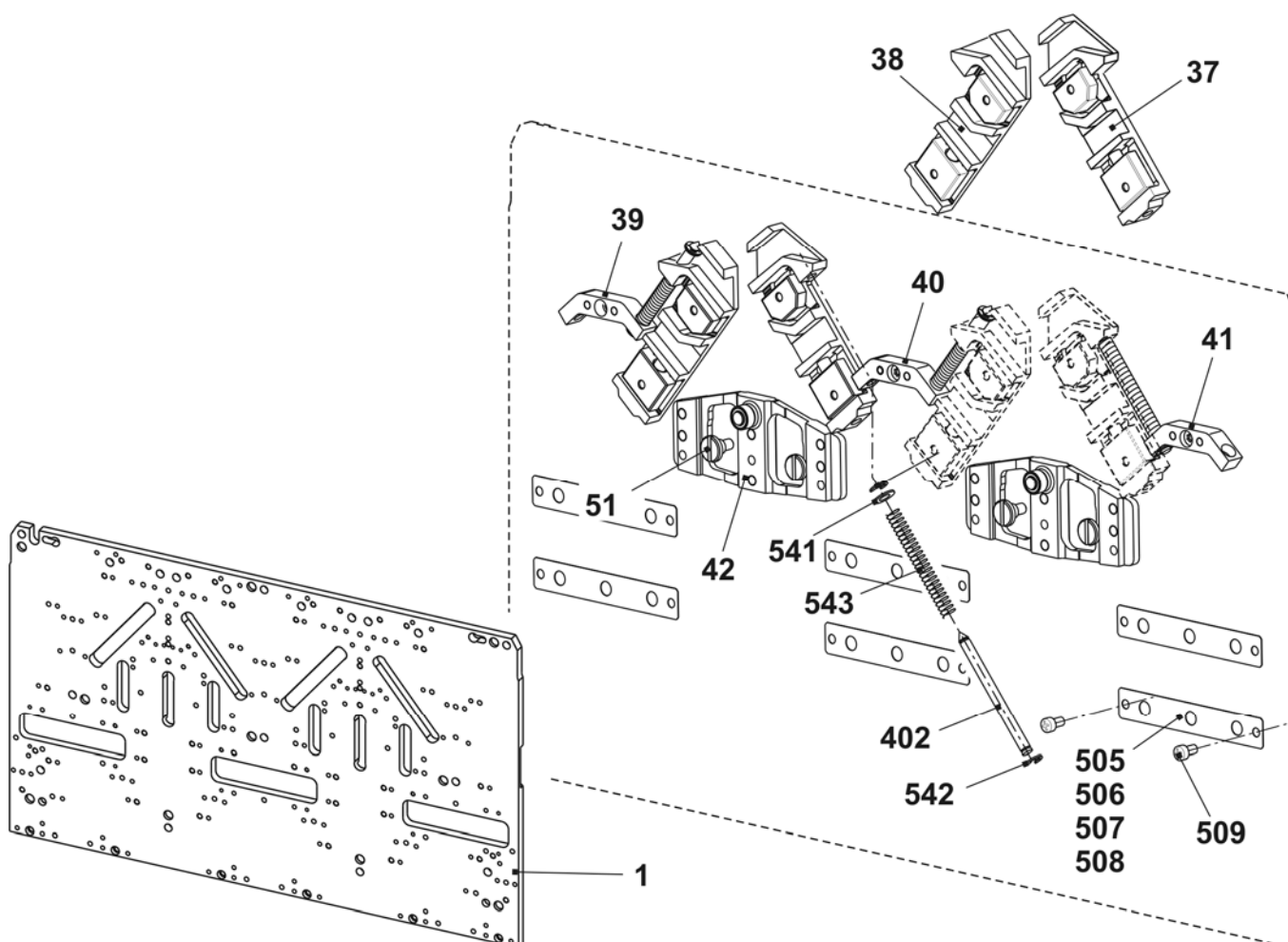
Continuation cam box E7

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E7	250 673	22	Selector cam on the right	212 947
2	Entry cam on the left	213 304	23	Selector cam	212 946
3	Entry cam on the right	213 303	24	Pressure part take-over on the left	239 848
4	Entry cam at the top	210 285	25	Pressure part take-over on the right	239 849
5	Entry cam at the bottom E5-8	212 395	26	Tuck pressure part	239 621
6	Plate on the left	230 988	27	Limit cam on the left E7-8	210 291
7	Plate in the middle	231 035	28	Limit cam on the right E7-8	210 292
8	Plate on the right	231 036	29	Pointer E5-8	210 336
9	Cam on the left	231 039	30	Screw	210 335
10	Cam on the right	231 041	31	Stitch cam on the left E7-8	210 324
11	Cam in the middle	231 040	32	Stitch cam on the right E7-8	210 323
12	Cam	227 923	33	Tuck limit cam E7-8	214 052
13	Cam	210 254	34	Raising cam plate E4-12	204 372
14	Cam on the left E5-14	212 265	35	Receiving cam E7-8	210 339
15	Cam on the right E5-14	212 266	36	Raising cam without split E7-8	213 297
16	Cam on the left	236 192		Raising cam with split E7-8	213 301
17	Cam on the right	236 193		Accessory	
18	Cam on the left E5-14	212 274	48	Cam on the right E5-14	212 275
19	Cam	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	Selector cam on the left	212 944	500	Cap screw M4x8	020 091



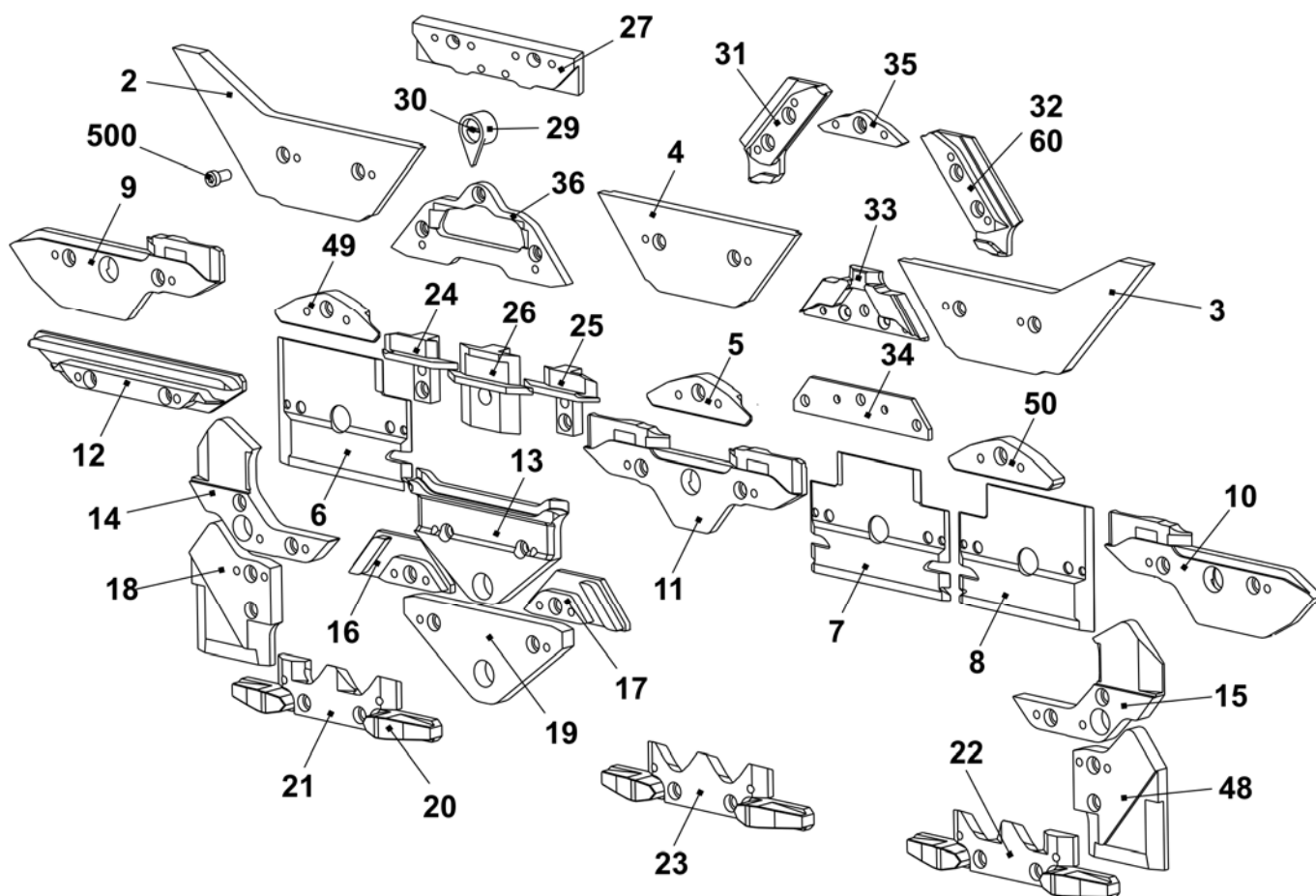
Cam box E12

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box set complete E12	251 016	42	Switching piece	240 281
1	Cam plate	250 177	51	Shoulder screw	239 626
37	Stitch forming cam on the right complete E12 – E14	214 088	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left complete E12 – E14	214 089	506	Shim 0.05x12x75	022 829
39	Rod guide element on the left	211 165	507	Shim 0.1x12x75	022 830
40	Rod guide element in the middle	211 166	508	Shim 0.2x12x75	022 831
41	Rod guide element on the right	211 168	509	Countersunk screw M3x4	023 142
402	Spring rod	209 791			
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



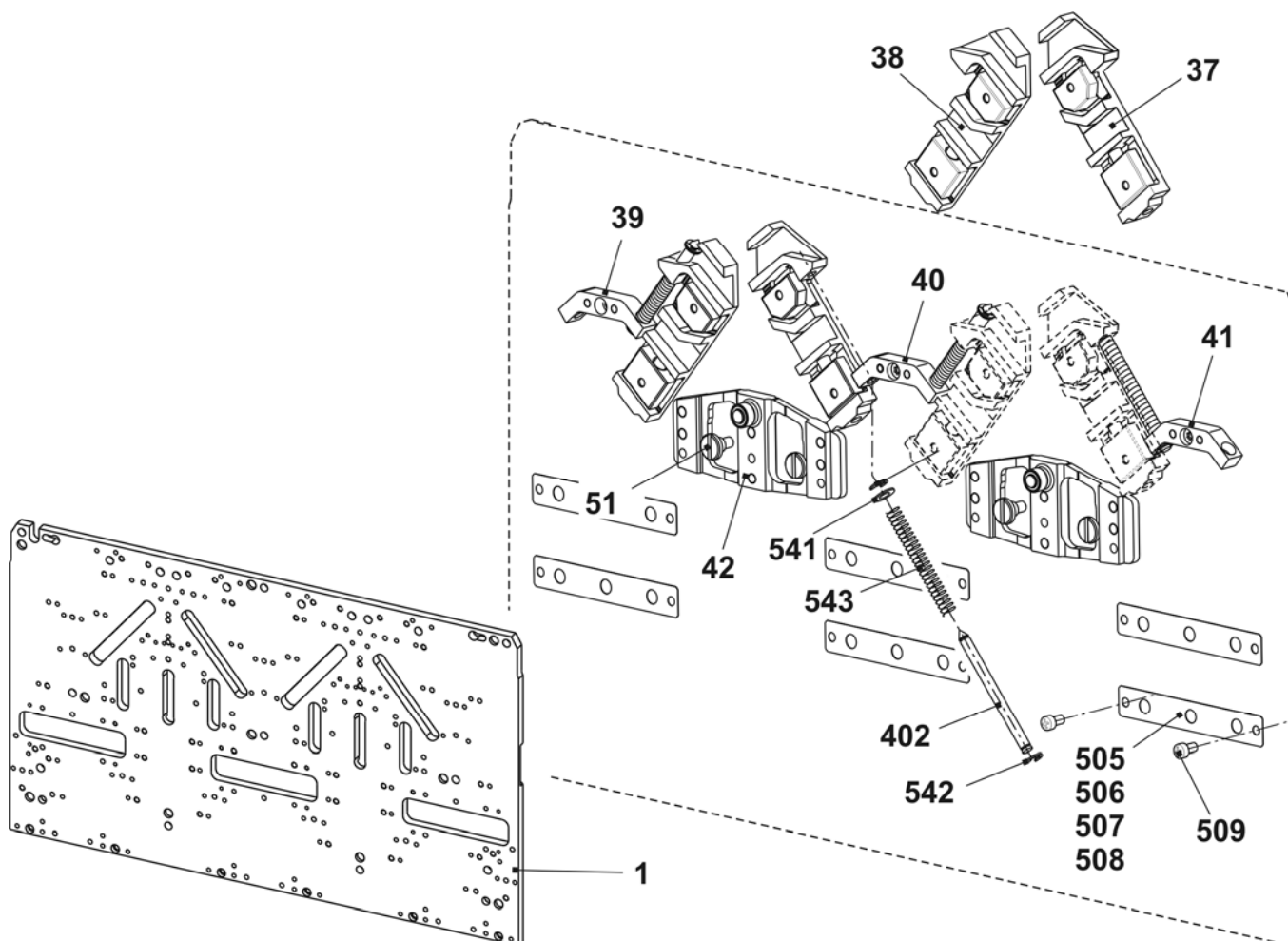
Continuation cam box E12

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box set complete E12	251 016	22	Selector cam on the right	212 947
2	Entry cam on the left	243 595	23	Selector cam	212 946
3	Entry cam on the right	243 597	24	Pressure part take-over on the left	239 848
4	Entry cam in the middle	243 596	25	Pressure part take-over on the right	239 849
5	Entry cam at the bottom - 1.5 E10 - E14	216 328	26	Tuck pressure part	239 621
6	Plate on the left	230 988	27	Limit cam E12 – E14	210 612
7	Plate in the middle	231 035	29	Pointer E10 – E14	210 349
8	Plate on the right	231 036	30	Screw	210 335
9	Cam on the left	231 039	31	Stitch cam on the left E10-E14 + E7.2	236 318
10	Cam on the right	231 041	32	Stitch cam on the right E10-E14 + E7.2	236 319
11	Cam in the middle	231 040	33	Tuck limit cam E12	236 403
12	Cam	227 923	34	Raising cam plate E4-12	204 372
13	Cam	210 254	35	Receiving cam E10 - E12	210 595
14	Cam on the left E5-14	212 265	36	Raising cam part without split E10-12	237 993
15	Cam on the right E5-14	212 266		Raising cam with split E10 – E12 Accessory	213 300
16	Cam on the left	236 192	48	Cam on the right E5-14	212 275
17	Cam on the right	236 193	49	Entry cam on the left -1.5 E10 - E14	216 329
18	Cam on the left E5-14	212 274	50	Entry cam on the right -1.5 E10 - E14	216 330
19	Cam	210 252	500	Cap screw M4x8	020 091
20	Offering cam	210 185	60	Stitch cam at the rear on the right E10 - E12	236 320
21	Selector cam on the left	212 944			



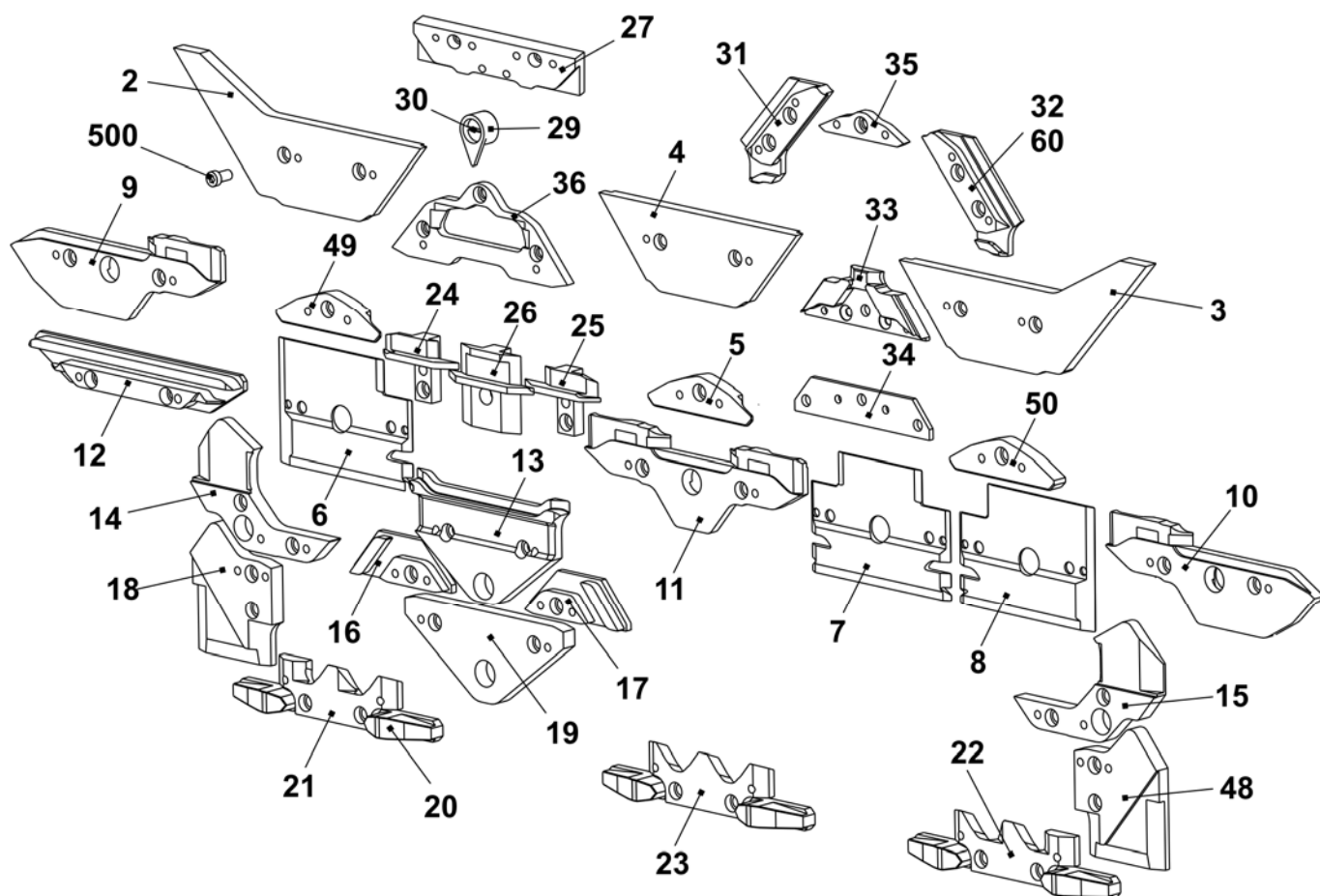
Cam box E14

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E14	250 313	42	Switching piece	240 281
1	Cam plate	250 177	51	Shoulder screw	239 626
37	Stitch forming cam on the right complete E12 – E14	214 088	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left complete E12 – E14	214 089	506	Shim 0.05x12x75	022 829
39	Rod guide element on the left	211 165	507	Shim 0.1x12x75	022 830
40	Rod guide element in the middle	211 166	508	Shim 0.2x12x75	022 831
41	Rod guide element on the right	211 168	509	Countersunk screw M3x4	023 142
402	Spring rod	209 791			
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



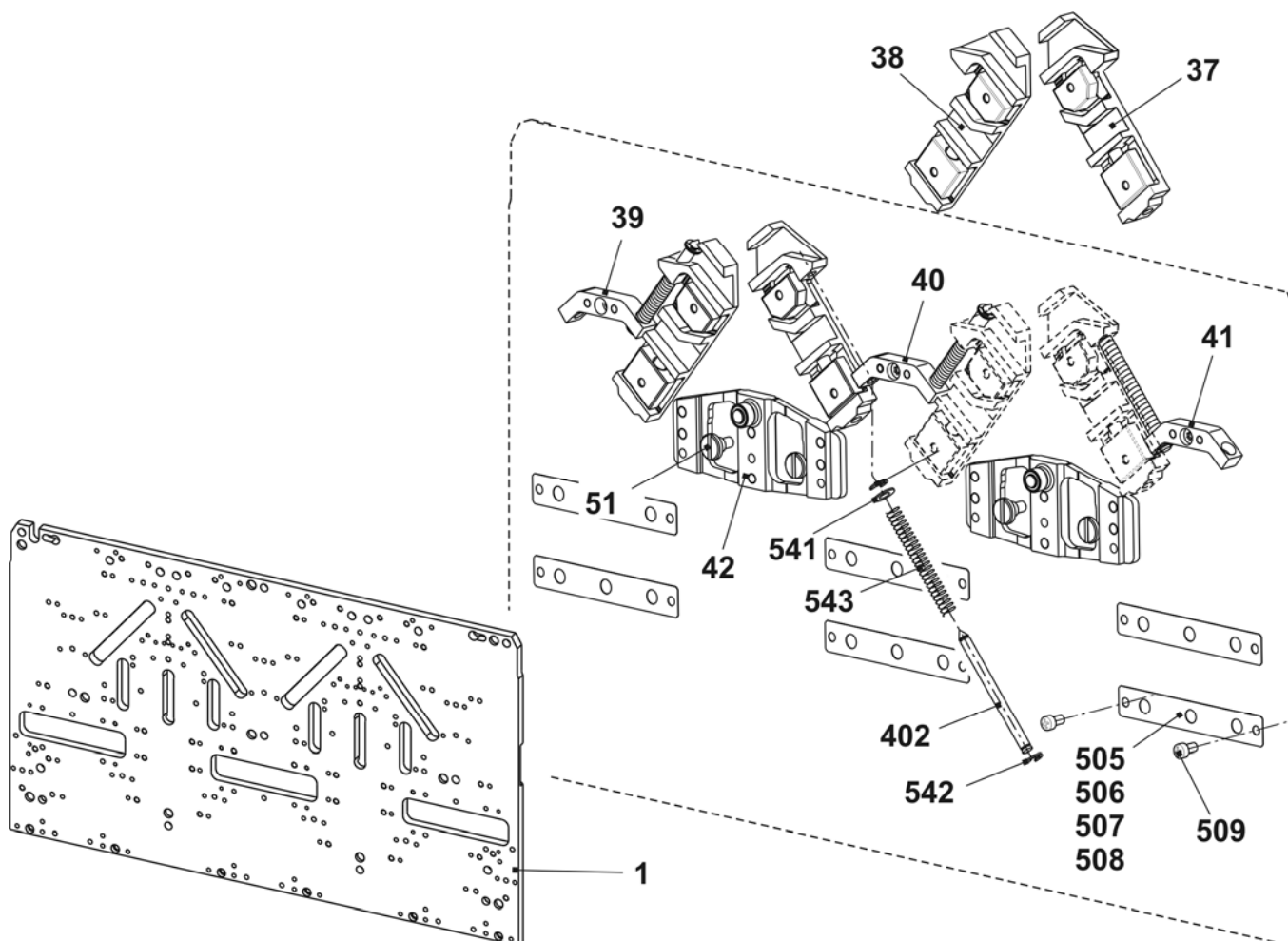
Continuation cam box E14

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E14	250 313	22	Selector cam on the right	212 947
2	Entry cam on the left	243 595	23	Selector cam	212 946
3	Entry cam on the right	243 597	24	Pressure part take-over on the left	239 848
4	Entry cam in the middle	243 596	25	Pressure part take-over on the right	239 849
5	Entry cam at the bottom - 1.5 E10 - E14	216 328	26	Tuck pressure part	239 621
6	Plate on the left	230 988	27	Limit cam E12 – E14	210 612
7	Plate in the middle	231 035	29	Pointer E10 – E14	210 349
8	Plate on the right	231 036	30	Screw	210 335
9	Cam on the left	231 039	31	Stitch cam on the left E10-E14 + E7.2	236 318
10	Cam on the right	231 041	32	Stitch cam on the right E10-E14 + E7.2	236 319
11	Cam in the middle	231 040	33	Tuck limit cam E14	236 428
12	Cam	227 923	34	Raising cam plate E4-12	204 372
13	Cam	210 254	35	Receiving cam E14	236 944
14	Cam on the left E5-14	212 265	36	Raising cam without split E14	236 767
15	Cam on the right E5-14	212 266		Raising cam with split E14	214 212
16	Cam on the left	236 192		Accessory	
17	Cam on the right	236 193	48	Cam on the right E5-14	212 275
18	Cam on the left E5-14	212 274	49	Entry cam on the left -1.5 E10 - E14	216 329
19	Cam	210 252	50	Entry cam on the right -1.5 E10 - E14	216 330
20	Offering cam	210 185	500	Cap screw M4x8	020 091
21	Selector cam on the left	212 944			



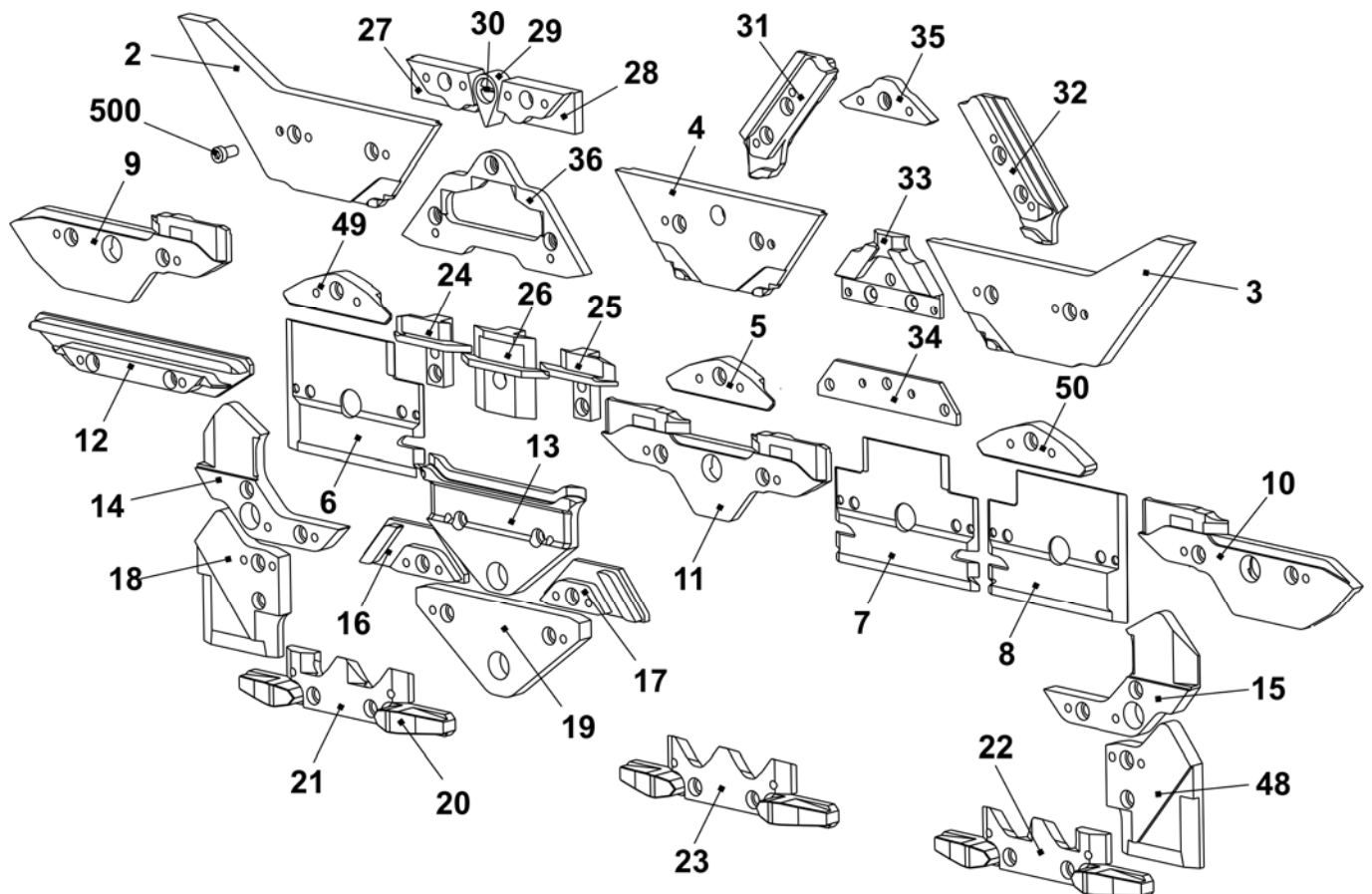
Cam box E3,5.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E3,5.2	250 983	42	Switching piece	240 281
1	Cam plate	250 177	51	Shoulder screw	239 626
37	Stitch forming cam on the right complete E5 - E10	211 163	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left complete E5 - E10	211 164	506	Shim 0.05x12x75	022 829
39	Rod guide element on the left	211 165	507	Shim 0.1x12x75	022 830
40	Rod guide element in the middle	211 166	508	Shim 0.2x12x75	022 831
41	Rod guide element on the right	211 168	509	Countersunk screw	023 142
402	Spring rod	209 791			
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



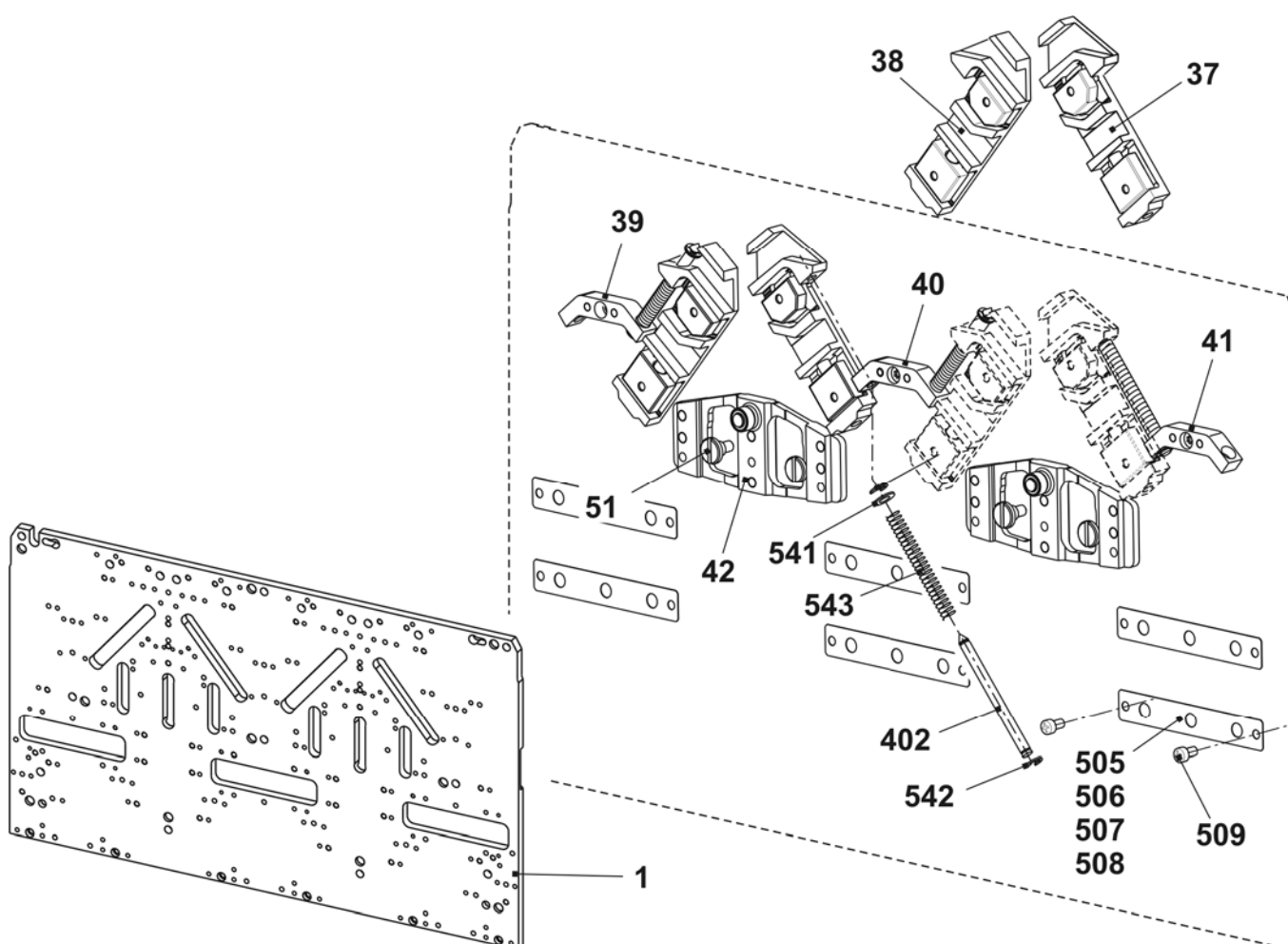
Continuation cam box E3,5.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E3,5.2	250 983			
2	Entry cam on the left	213 304	22	Selector cam on the right	212 947
3	Entry cam on the right	213 303	23	Selector cam	212 946
4	Entry cam at the top	210 285	24	Pressure part take-over on the left	239 848
5	Entry cam in the middle at the bottom E2,5.2 + E3,5.2	235 719	25	Pressure part take-over on the right	239 849
6	Plate on the left	230 988	26	Tuck pressure part	239 621
7	Plate in the middle	231 035	27	Limit cam on the left E5	210 289
8	Plate on the right	231 036	28	Limit cam on the right E5	210 290
9	Cam on the left	231 039	29	Pointer E2,5.2 + E3,5.2	229 505
10	Cam on the right	231 041	30	Screw	210 335
11	Cam in the middle	231 040	31	Stitch cam on the left E2,5.2 + E3,5.2	235 712
12	Cam	227 923	32	Stitch cam on the right E2,5.2 + E3,5.2	235 713
13	Cam	210 254	33	Tuck limit cam E5	214 051
14	Cam on the left E5-14	212 265	34	Raising cam plate E4-12	204 372
15	Cam on the right E5-14	212 266	35	Receiving cam E5	210 386
16	Cam on the left	236 192	36	Raising cam without split E5	213 302
17	Cam on the right	236 193		Knitting raising cam with split E5	213 294
18	Cam on the left E5-14	212 274		Accessories	
19	Cam	210 252	48	Cam on the right E5-14	212 275
20	Offering cam	210 185	49	Entry cam on the left bottom E5-8	235 718
21	Selector cam on the left	212 944	50	Entry cam on the right at the bottom E5-8	235 720
			500	Cap screw M4x8	020 091



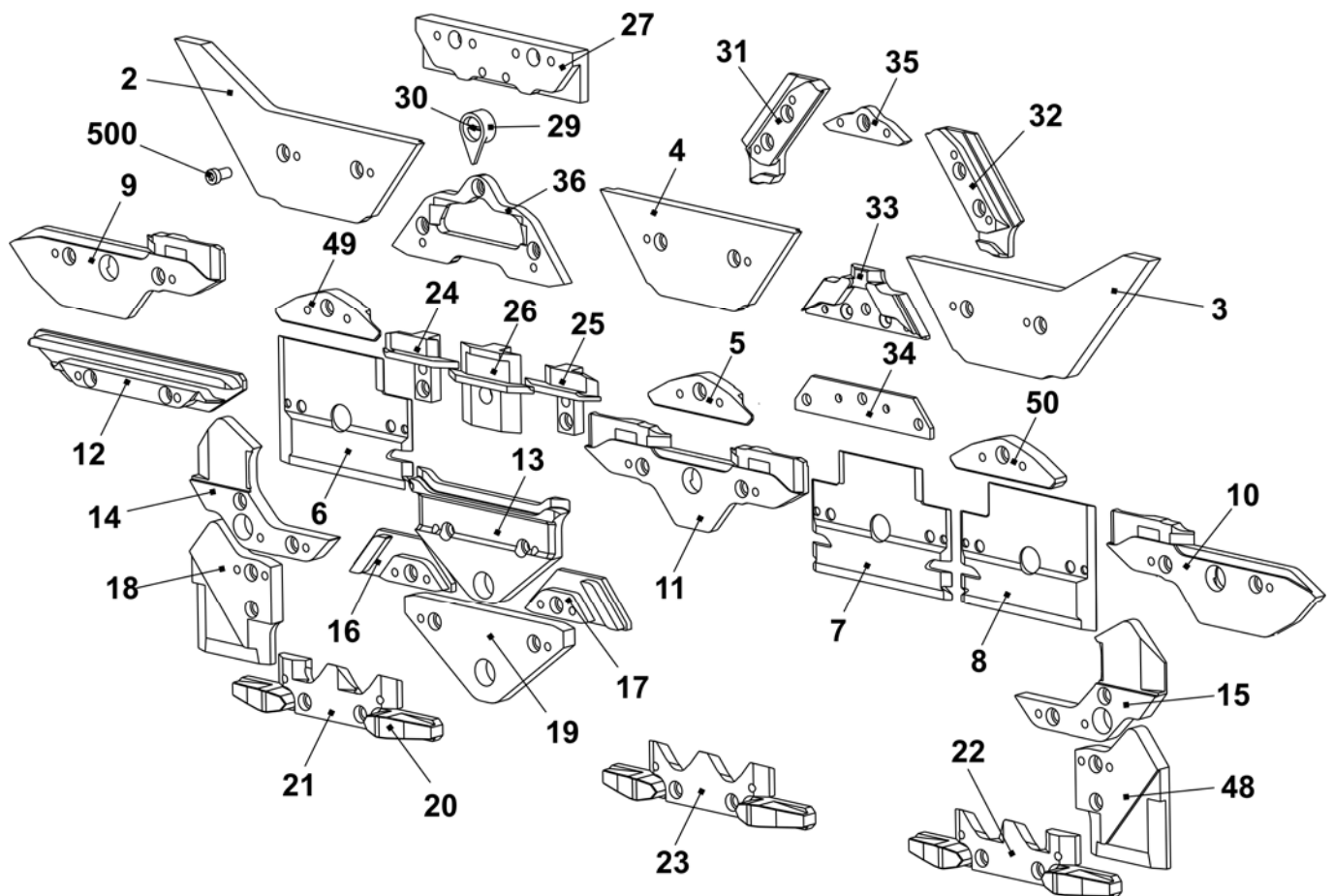
Cam box E6.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E6.2	250 990	42	Switching piece	240 281
1	Cam plate	250 177	51	Shoulder screw	239 626
37	Stitch forming cam on the right complete E12-14	214 088	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left complete E12-14	214 089	506	Shim 0.05x12x75	022 829
39	Rod guide element on the left	211 165	507	Shim 0.1x12x75	022 830
40	Rod guidance part middle	211 166	508	Shim 0.2x12x75	022 831
41	Rod guide element on the right	211 168	509	Countersunk screw	023 142
402	Spring rod	209 791			
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



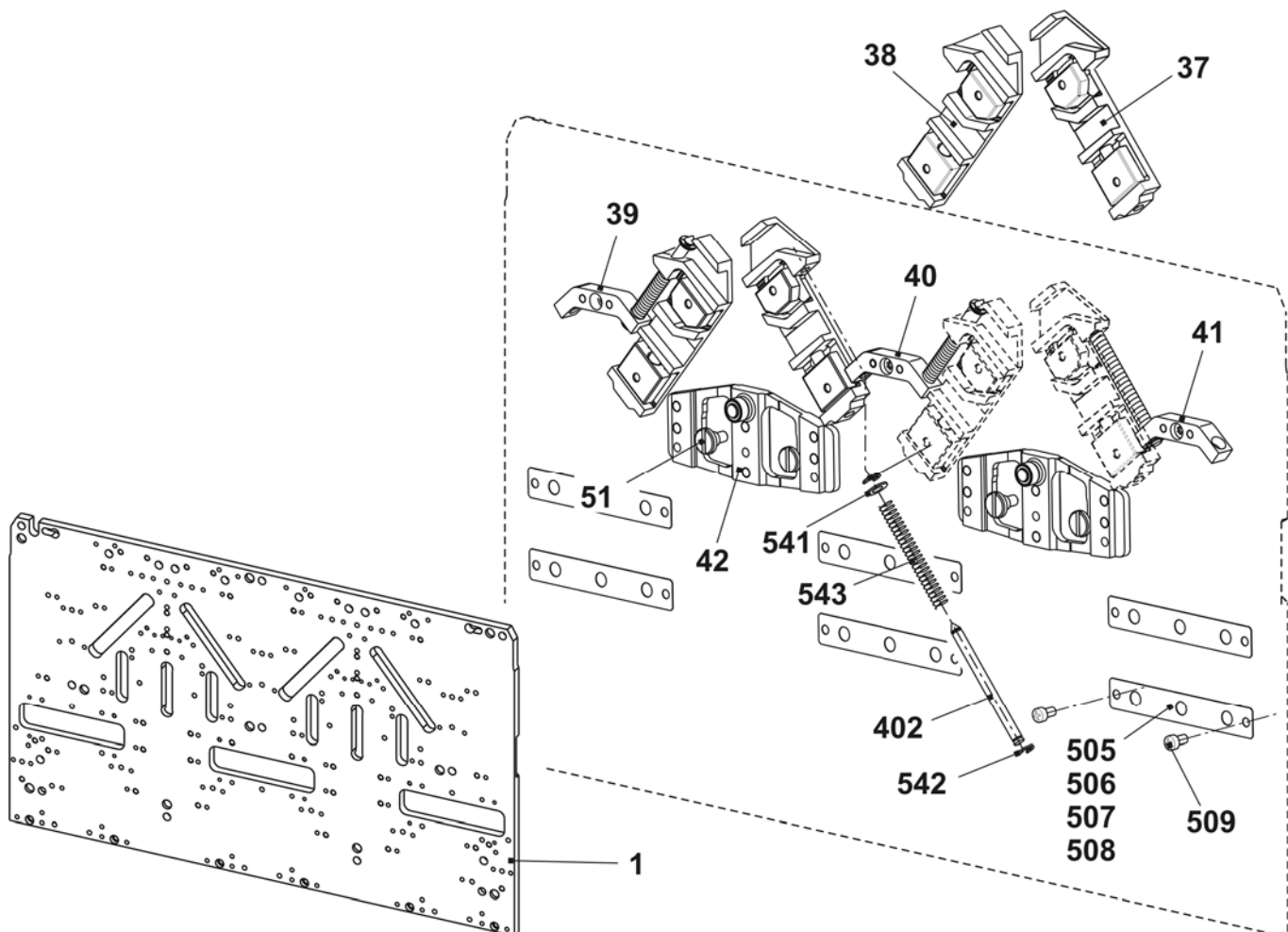
Continuation cam box E6.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E6.2	250 990	21	Selector cam on the left	212 944
2	Entry cam on the left	243 595	22	Selector cam on the right	212 947
3	Entry cam on the right	243 597	23	Selector cam	212 946
4	Entry cam at the top	243 596	24	Pressure part take-over on the left	239 848
5	Entry cam at the bottom - 1.5 E10 - E14	216 328	25	Pressure part take-over on the right	239 849
6	Plate on the left	230 988	26	Tuck pressure part	239 621
7	Plate in the middle	231 035	27	Limit cam E6.2	218 306
8	Plate on the right	231 036	29	Pointer E10 – E14	210 349
9	Cam on the left	231 039	30	Screw	210 335
10	Cam on the right	231 041	31	Stitch cam on the left E6.2	236 392
11	Cam in the middle	231 040	32	Stitch cam on the right E6.2	236 393
12	Cam	227 923	33	Tuck limit cam E6.2	236 429
13	Cam	210 254	34	Raising cam plate E4-12	204 372
14	Cam on the left E5 - E14	212 265	35	Receiving cam E6.2	236 943
15	Cam on the right E5 - E14	212 266	36	Raising cam part without split E6.2	236 766
16	Cam on the left	236 192		Knitting raising cam with split (Accessories)	237 948
17	Cam on the right	236 193	48	Cam on the right E5-14	212 275
18	Cam on the left E5 - E14	212 274	49	Entry cam on the left -1.5 E10 - E14	216 329
19	Cam	210 252	50	Entry cam on the right -1.5 E10 - E14	216 330
20	Offering cam	210 185	500	Cap screw M4x8	020 091



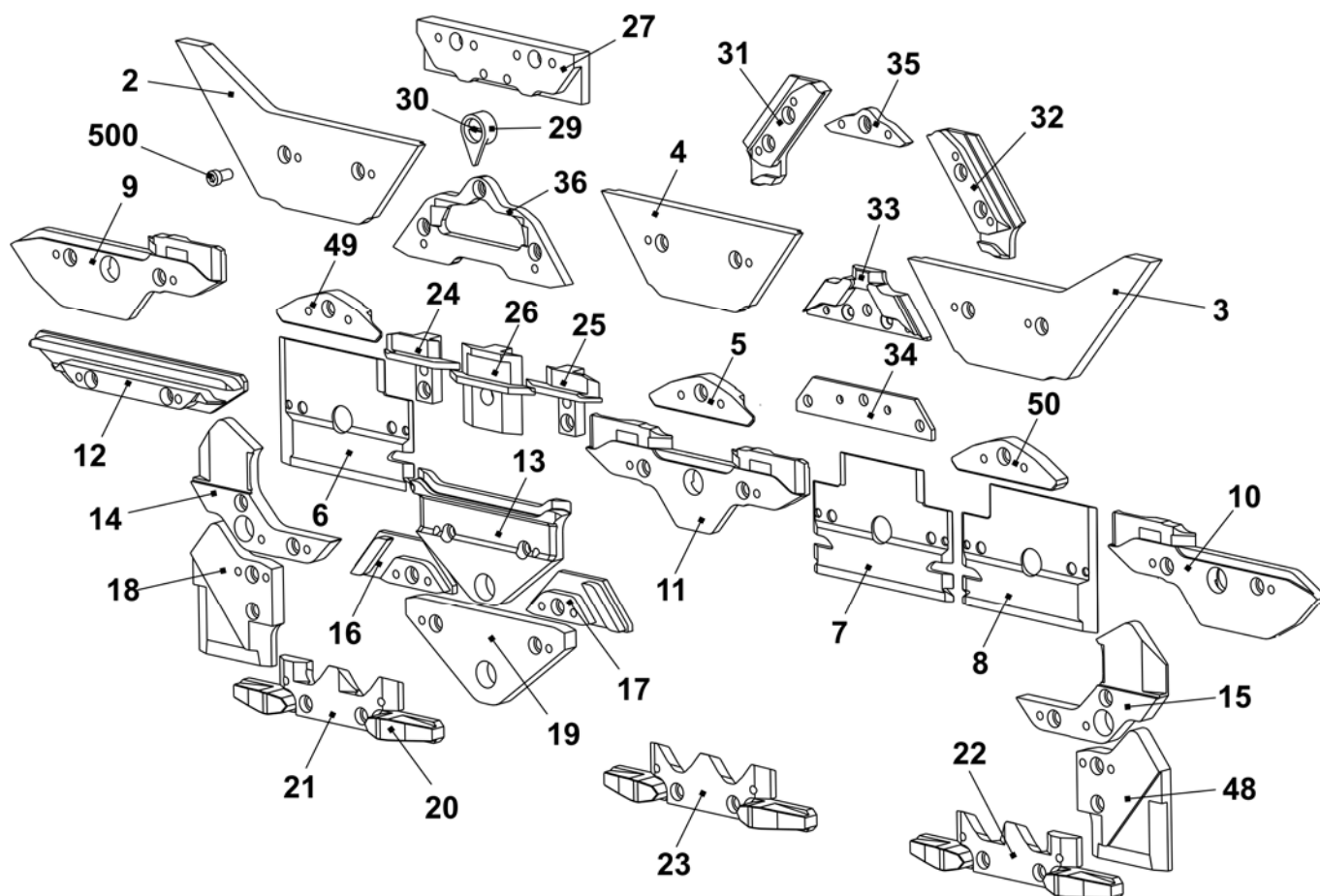
Cam box E7.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E7.2	250 968	42	Switching piece	240 281
1	Cam plate	250 177	51	Shoulder screw	239 626
37	Stitch forming cam on the right complete E12-14	214 088	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left complete E12-14	214 089	506	Shim 0.05x12x75	022 829
39	Rod guide element on the left	211 165	507	Shim 0.1x12x75	022 830
40	Rod guidance part middle	211 166	508	Shim 0.2x12x75	022 831
41	Rod guide element on the right	211 168	509	Countersunk screw	023 142
402	Spring rod	209 791			
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



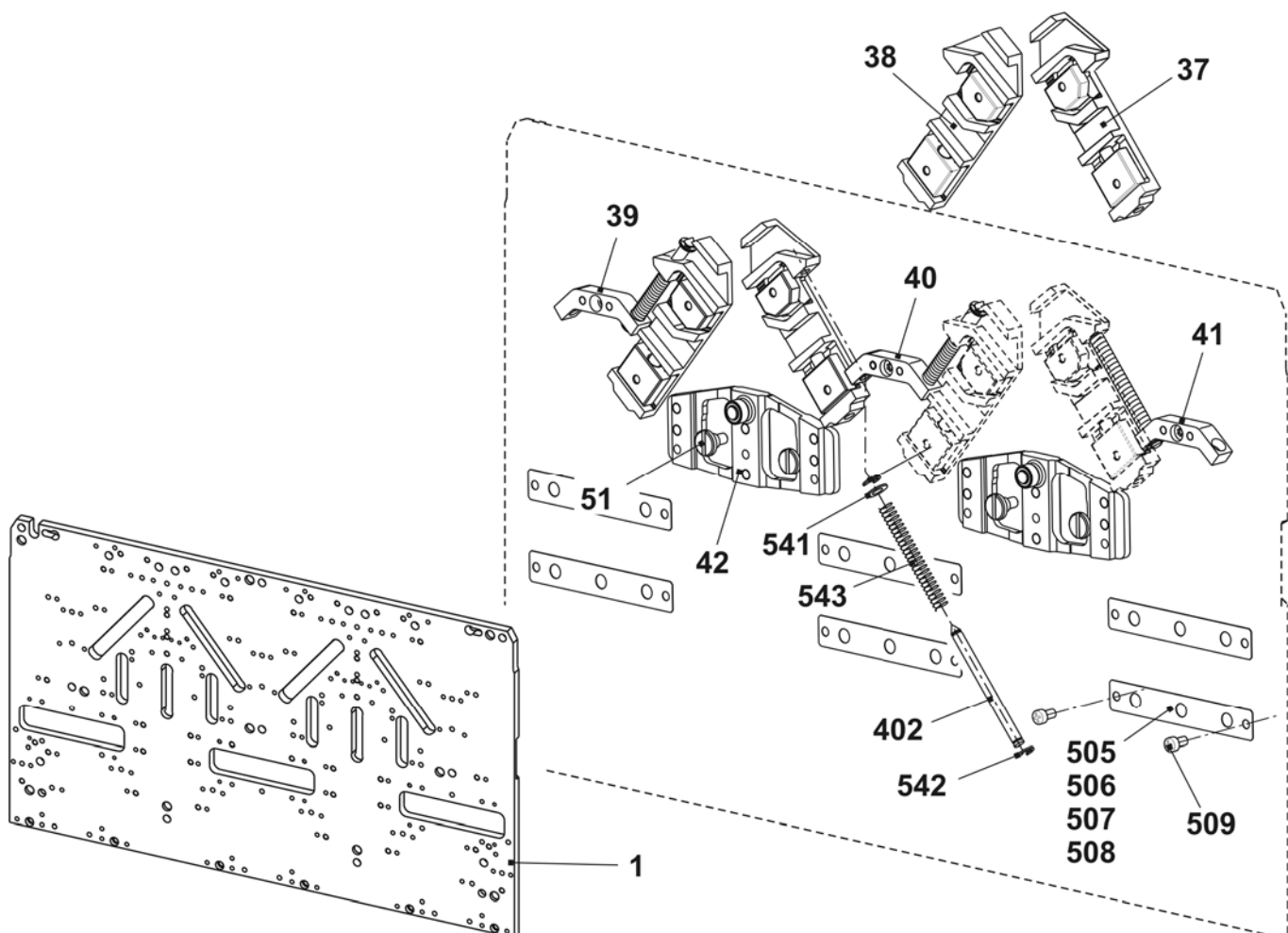
Continuation cam box E7.2

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box complete E7.2	250 968	21	Selector cam on the left	212 944
2	Entry cam on the left	243 595	22	Selector cam on the right	212 947
3	Entry cam on the right	243 597	23	Selector cam	212 946
4	Entry cam at the top	243 596	24	Pressure part take-over on the left	239 848
5	Entry cam at the bottom - 1.5 E10 - E14	216 328	25	Pressure part take-over on the right	239 849
6	Plate on the left	230 988	26	Tuck pressure part	239 621
7	Plate in the middle	231 035	27	Limit cam E10	210 611
8	Plate on the right	231 036	29	Pointer E10 – E14	210 349
9	Cam on the left	231 039	30	Screw	210 335
10	Cam on the right	231 041	31	Stitch cam on the left E10-E14 + E7.2	236 318
11	Cam in the middle	231 040	32	Stitch cam on the right E10-E14 + E7.2	236 319
12	Cam	227 923	33	Tuck limit cam E10 + E7.2	236 345
13	Cam	210 254	34	Raising cam plate E4-12	204 372
14	Cam on the left E5-14	212 265	35	Receiving cam E10 - E12	210 595
15	Cam on the right E5-14	212 266	36	Raising cam part without split E7.2	237 993
16	Cam on the left	236 192		Knitting raising cam with split E7.2 (Accessories)	213 300
17	Cam on the right	236 193	48	Cam on the right E5-14	212 275
18	Cam on the left E5-14	212 274	49	Entry cam on the left -1.5 E10 - E14	216 329
19	Cam	210 252	50	Entry cam on the right -1.5 E10 - E14	216 330
20	Offering cam	210 185	500	Cap screw M4x8	020 091



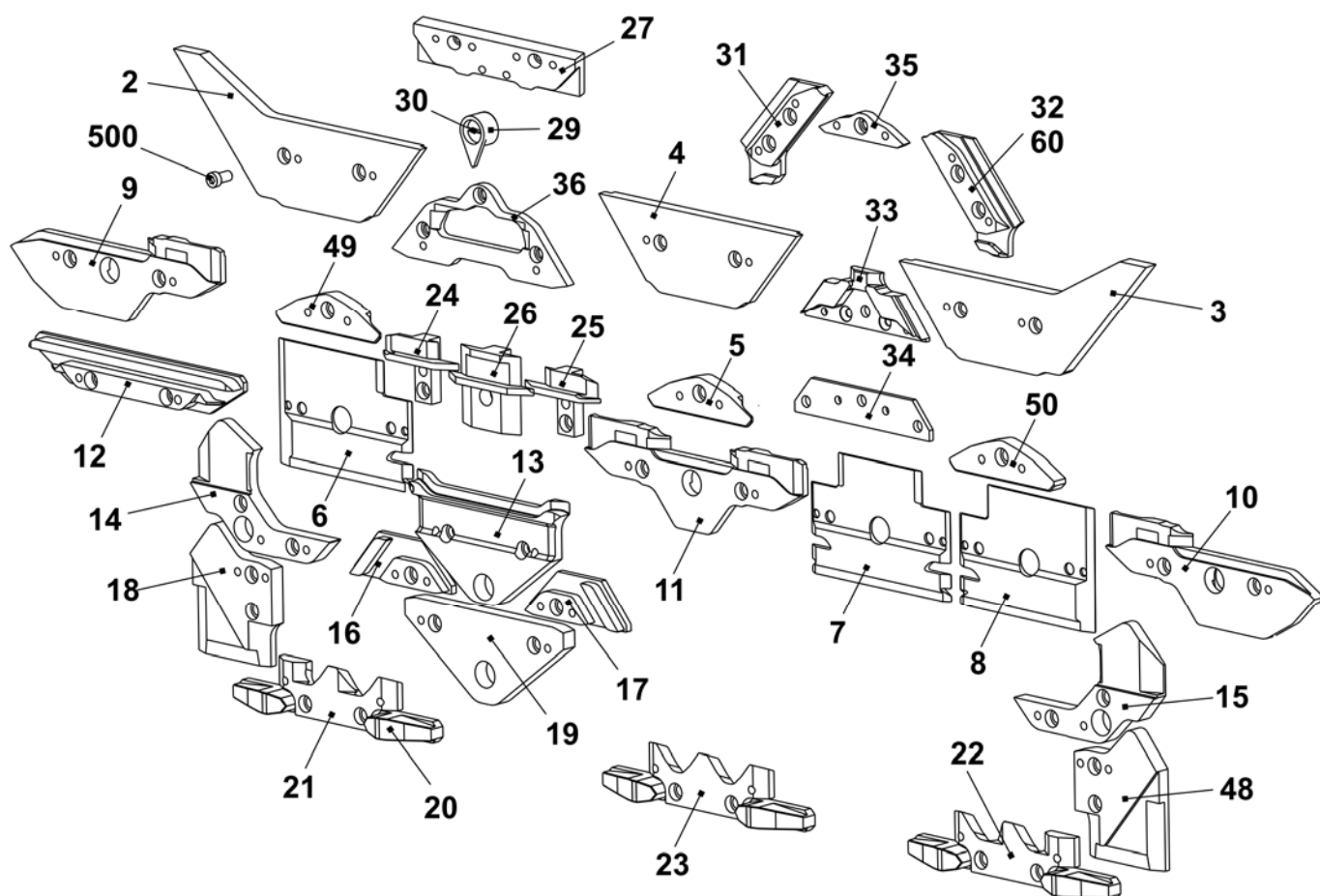
Cam box E12m.10

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box set complete E12m.10	250 985	42	Switching piece	240 281
1	Cam plate	250 177	51	Shoulder screw	239 626
37	Stitch forming cam on the right complete E12 – E14	214 088	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left complete E12 – E14	214 089	506	Shim 0.05x12x75	022 829
39	Rod guide element on the left	211 165	507	Shim 0.1x12x75	022 830
40	Rod guide element in the middle	211 166	508	Shim 0.2x12x75	022 831
41	Rod guide element on the right	211 168	509	Countersunk screw M3x4	023 142
402	Spring rod	209 791			
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



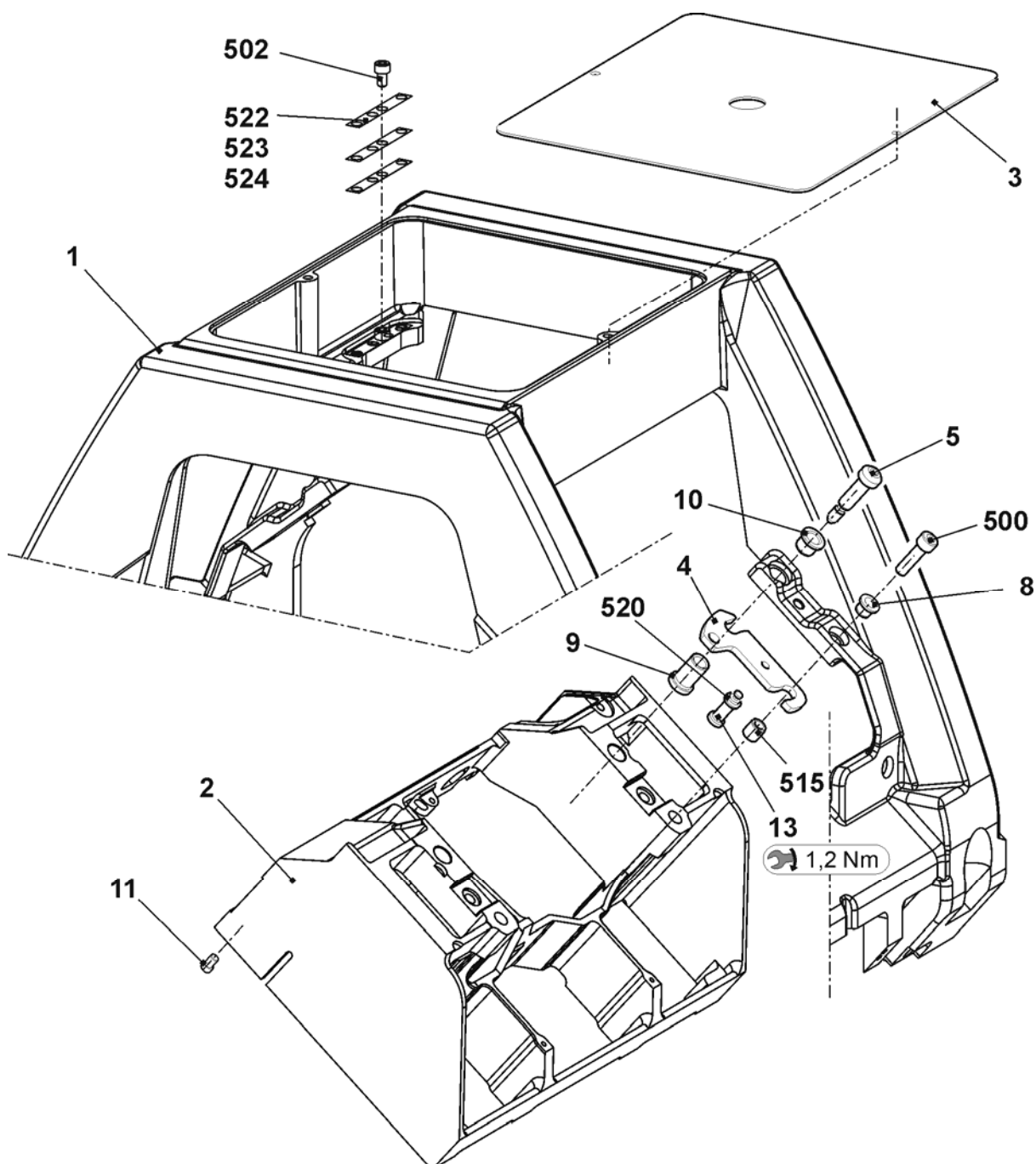
Continuation cam box E12m.10

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Cam box set complete E12m.10	250 985	22	Selector cam on the right	212 947
2	Entry cam on the left	243 595	23	Selector cam	212 946
3	Entry cam on the right	243 597	24	Pressure part take-over on the left	239 848
4	Entry cam at the top	243 596	25	Pressure part take-over on the right	239 849
5	Entry cam at the bottom - 1.5 E10 - E14	216 328	26	Tuck pressure part	239 621
6	Plate on the left	230 988	27	Limit cam E10	210 611
7	Plate in the middle	231 035	29	Pointer E10 – E14	210 349
8	Plate on the right	231 036	30	Screw	210 335
9	Cam on the left	231 039	31	Stitch cam on the left E10-E14 + E7.2	236 318
10	Cam on the right	231 041	32	Stitch cam on the right E10-E14 + E7.2	236 319
11	Cam in the middle	231 040	33	Tuck limit cam E12	236 403
12	Cam	227 923	34	Raising cam plate E4-12	204 372
13	Cam	210 254	35	Receiving cam E10 - E12	210 595
14	Cam on the left E5-14	212 265	36	Raising cam part without split E10-12	237 993
15	Cam on the right E5-14	212 266		Raising cam with split E10 – E12 Accessory	213 300
16	Cam on the left	236 192	48	Cam on the right E5-14	212 275
17	Cam on the right	236 193	49	Entry cam on the left -1.5 E10 - E14	216 329
18	Cam on the left E5-14	212 274	50	Entry cam on the right -1.5 E10 - E14	216 330
19	Cam	210 252	500	Cap screw M4x8	020 091
20	Offering cam	210 185	60	Stitch cam at the rear on the right E10 - E12	236 320
21	Selector cam on the left	212 944			



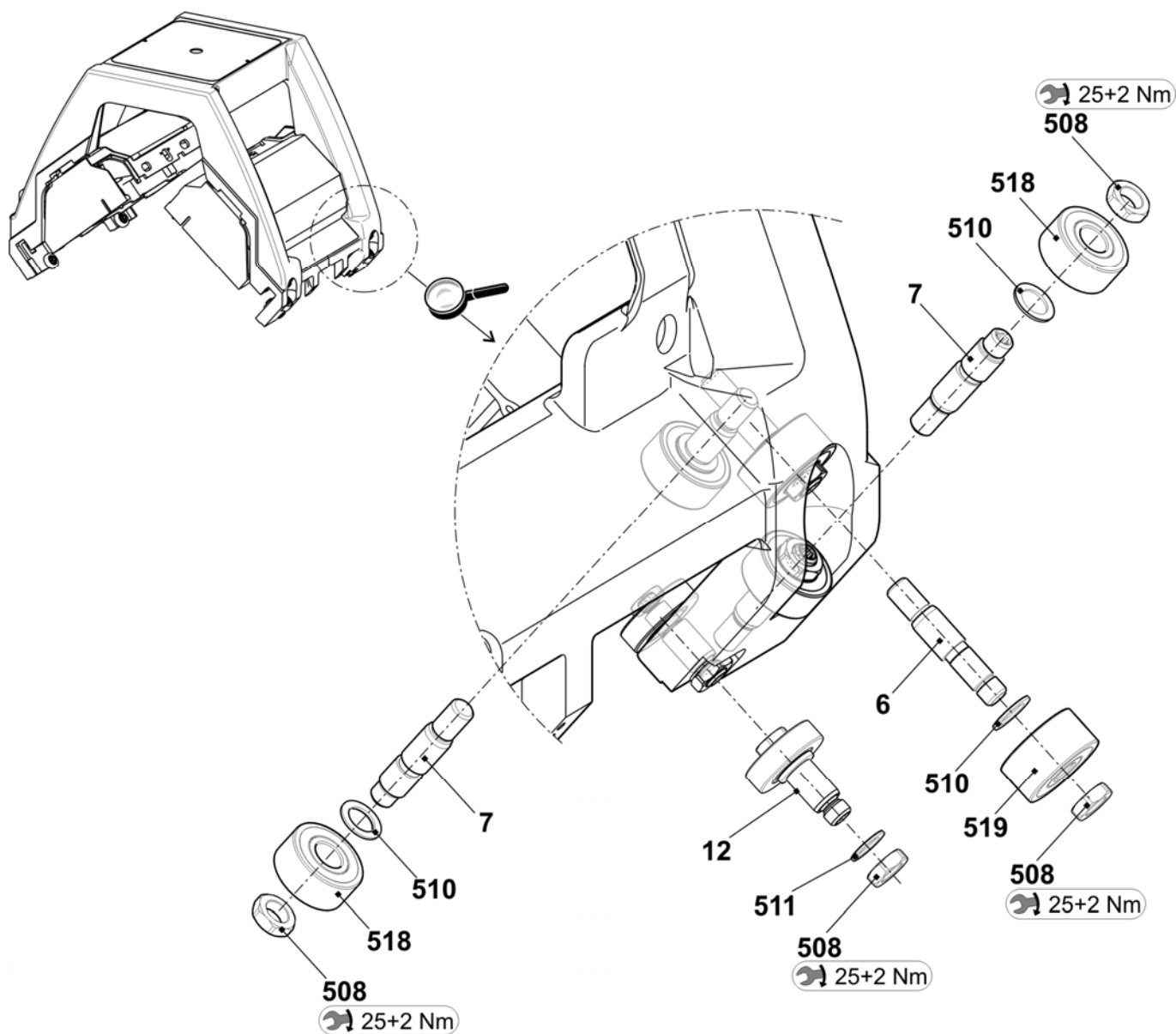
Carriage assembly

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Carriage assembly 2 cam boxes	251 069	10	Bush	209 274
	Carriage assembly 2 cam boxes (420EMG)	250 645	11	Eccentric	222 983
1	Carriage frame, 2 cam boxes (420E)	251 068	13	Fixing bolt linking spot	244 179
	Carriage frame, 2 cam boxes (420EMG)	250 572	500	Cap screw M8X30	020 143
2	Carriage part, 2 cam boxes	240 572	502	Countersunk screw M6x10	023 183
3	Carriage cover at the top	250 928	520	Circlip 6	021 022
5	Shoulder screw	211 750	515	Threaded bushing	041 863
4	Shim	225 312	522	Shim 0.2x10x70	023 699
8	Bush	207 546	523	Shim 0.1x10x70	023 698
9	Bush	209 275	524	Shim 0.05x10x70	023 697



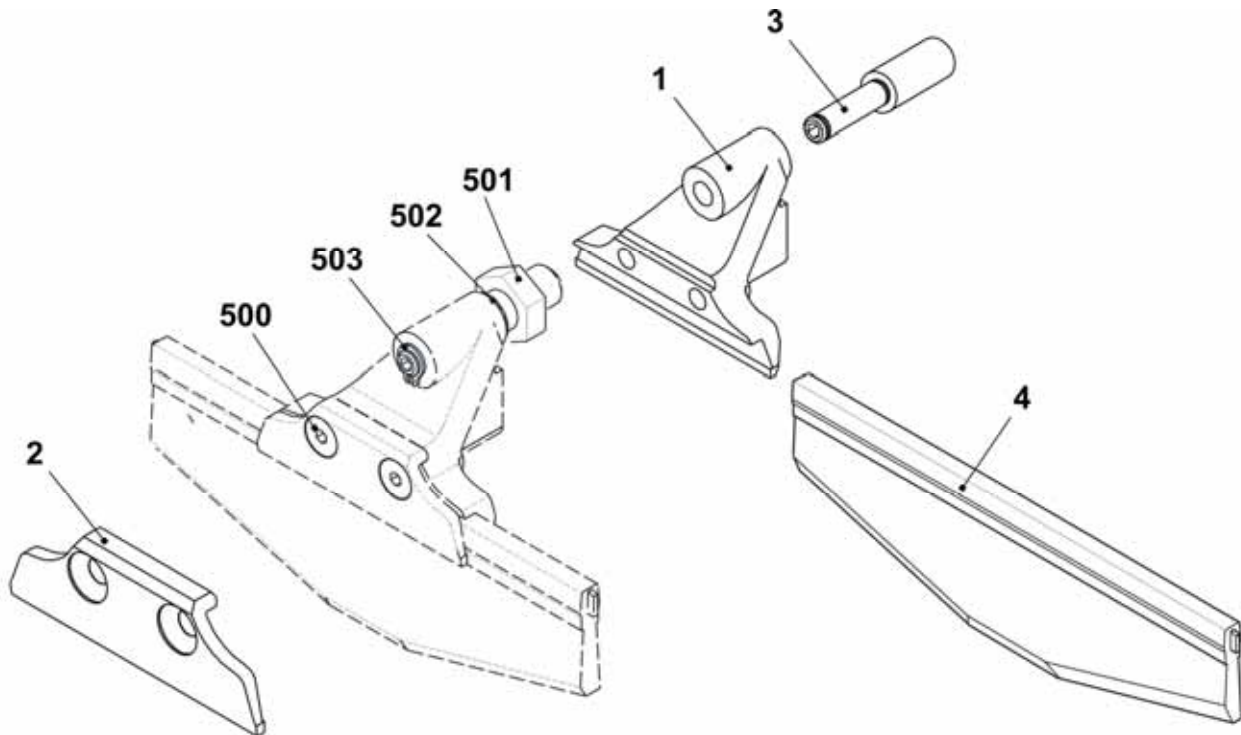
Carriage guide

Pos	Designation	Ident No	Pos	Designation	Ident No
6	Bearing bolt eccentric 0.5	242 060	510	Shim ring 12x18x1	023 315
7	Bearing bolt eccentric 0.5	240 624	511	Adjusting washer 10x16x1	023 260
12	Bolt pre-assembled	244 283	518	Ball bearing 62201-2RS	241 408
508	Nut M10	023 316	519	Ball bearing 62300-2RS1	242 070



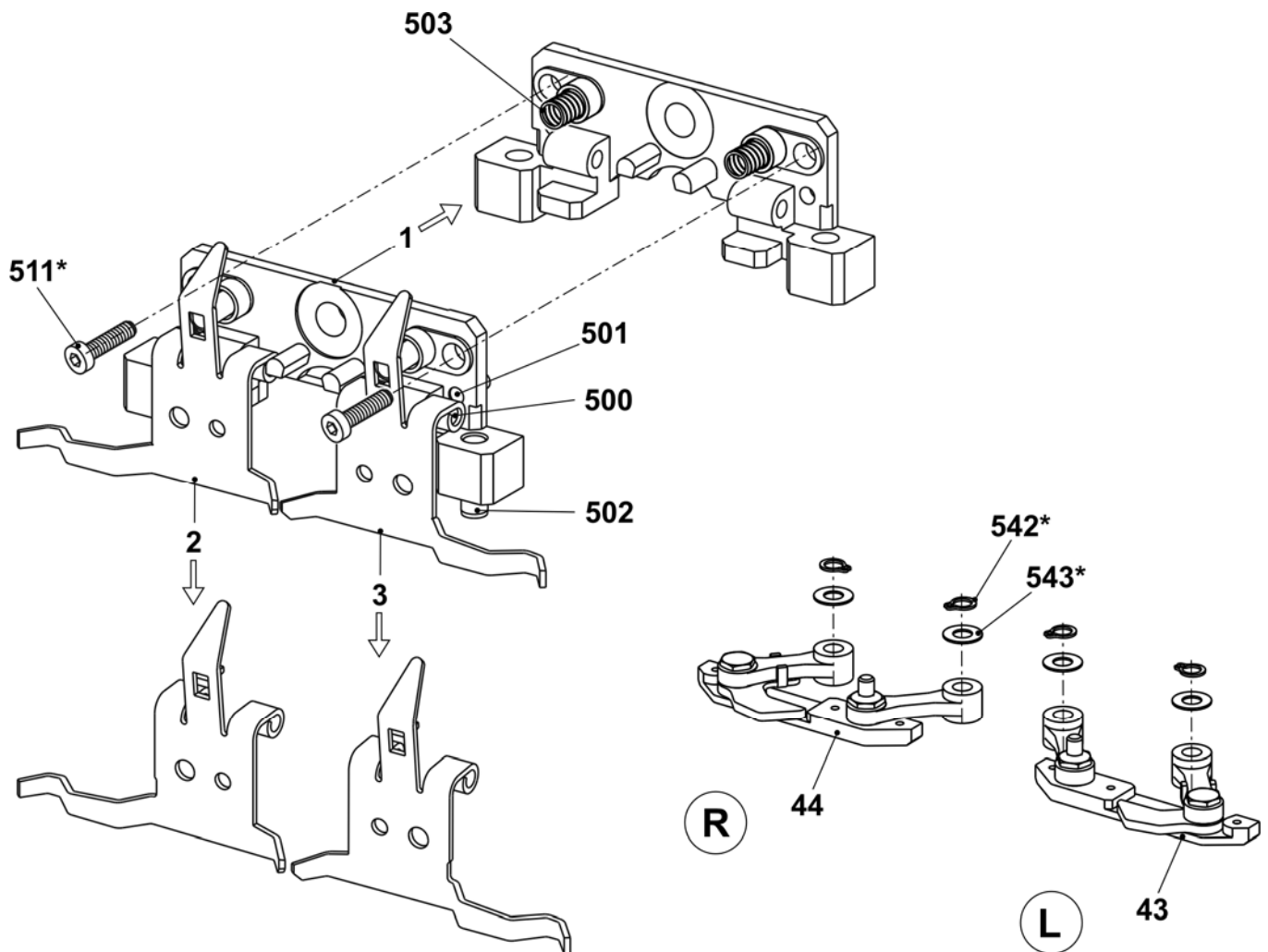
Brush holder

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Brush holder complete		4	Brush	
	E5 - E8 + E3,5.2	213 710		E5 - E8 + E3,5.2	203 254
	E10 - E14 + E6.2 + E7.2 + E6.2(E12m.10)	213 711		E10 - E14 + E6.2 + E7.2 + E6.2(E12m.10)	212 854
1	Brush holder	213 009	500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010	501	Hexagon nut M8x5	023 750
3	Threaded rod	209 740	502	Adjusting washer 5x10x0.5	023 348
			503	Locking ring 5x0.6	023 347



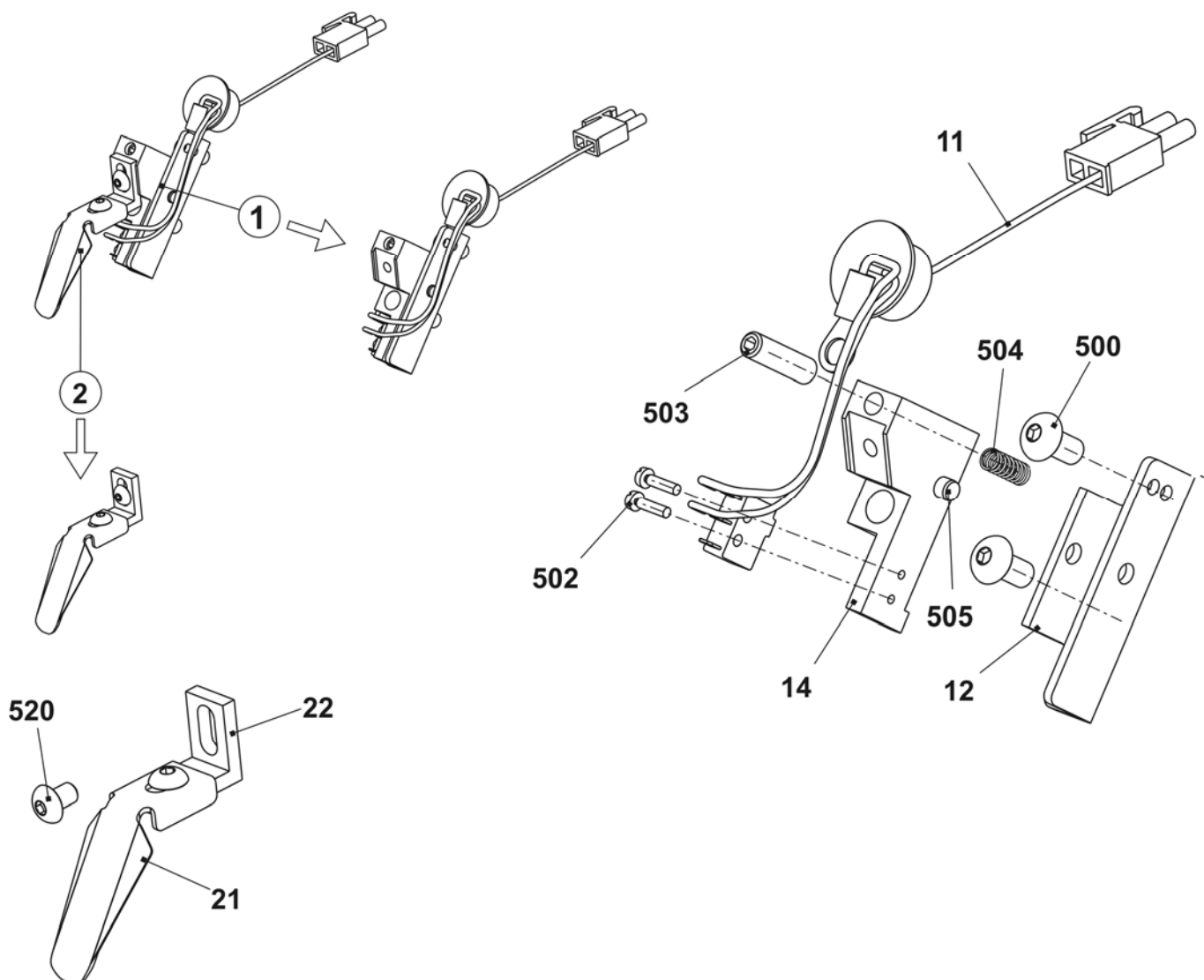
Holding-down jack control and slider

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Holding-down jack control	213 266		Slider complete	
1	Assembly plate	210 728	43	Slider on the left complete E5-8	212 611
2	Set-out plate on the right	212 382		Slider on the left complete E12-14	213 056
3	Set-out plate on the left	212 396	44	Slider on the right complete E5-8	212 610
500	Grooved pin 4x24	023 349		Slider on the right complete E12-14	213 055
501	Grooved pin 4x10	023 350	542*	Locking ring 5x0.6	023 347
502	Dowel pin 6x18	020 678	543*	Shim ring 5x10x0.5	123 348
503	Compression spring 0,68x5,1x19	238 702			
511*	Cap screw M5x16	023 141			



Needle detector

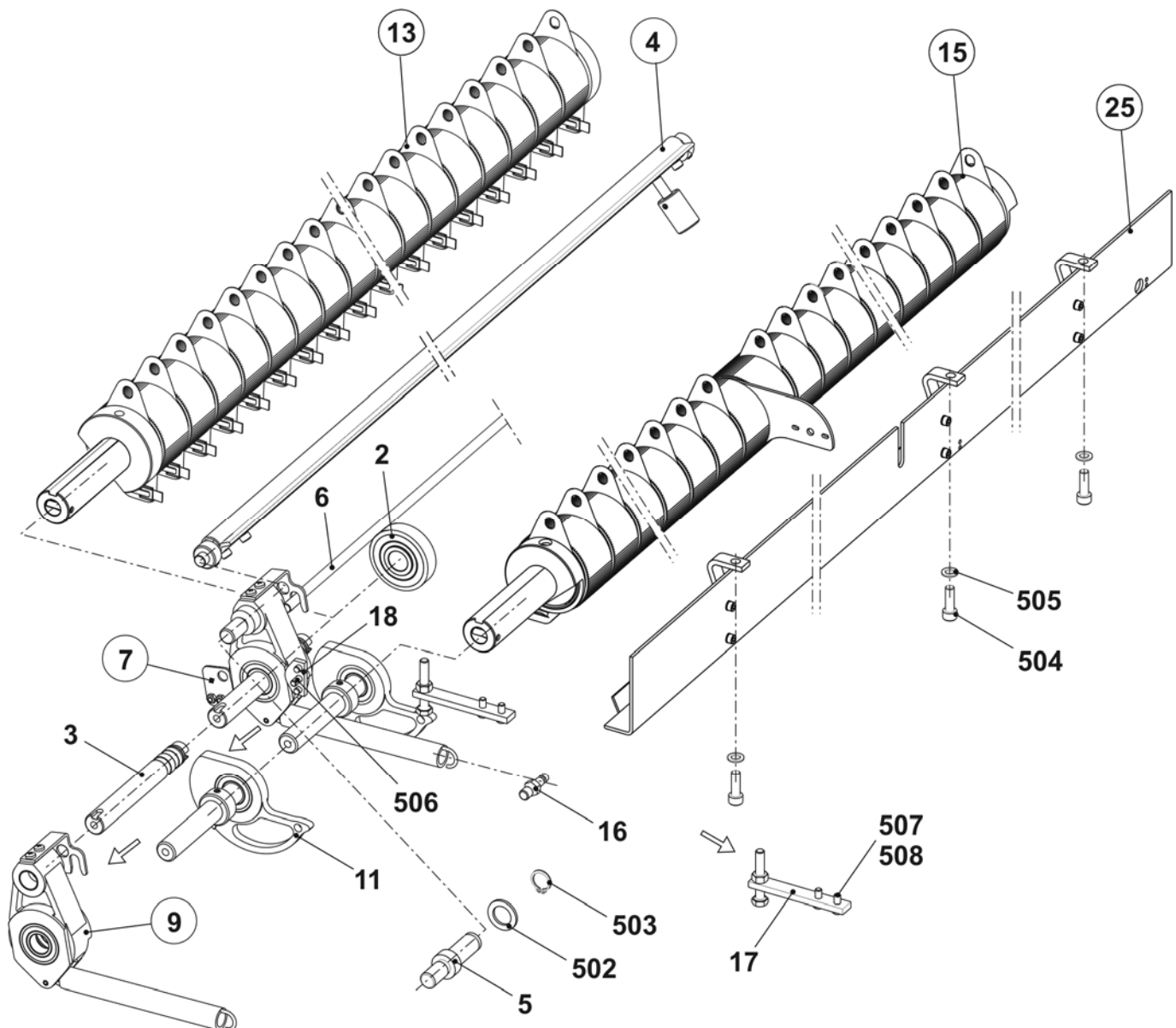
Pos	Designation		Ident No	Pos	Designation		Ident No
Σ	Needle detector (E5-E14)		221 238				
1	Needle detector pre-assembled		221 773	2	Sensor pre-assembled		221 758
	11	Cable of needle detector complete	221 207		21	Sensor	220 839
	12	Retainer	220 464		22	Angle	221 175
	14	Switch rocker	220 637		520	Countersunk screw M4x6	023 427
	500	Countersunk screw M5x10	023 247				
	502	Cap screw M2x8	022 954				
	503	Set screw M5x20-45	023 526				
	504	Compression spring 4.3x0.45x10	021 398				
	505	Dowel pin 4x18	023 525				



Main take-down

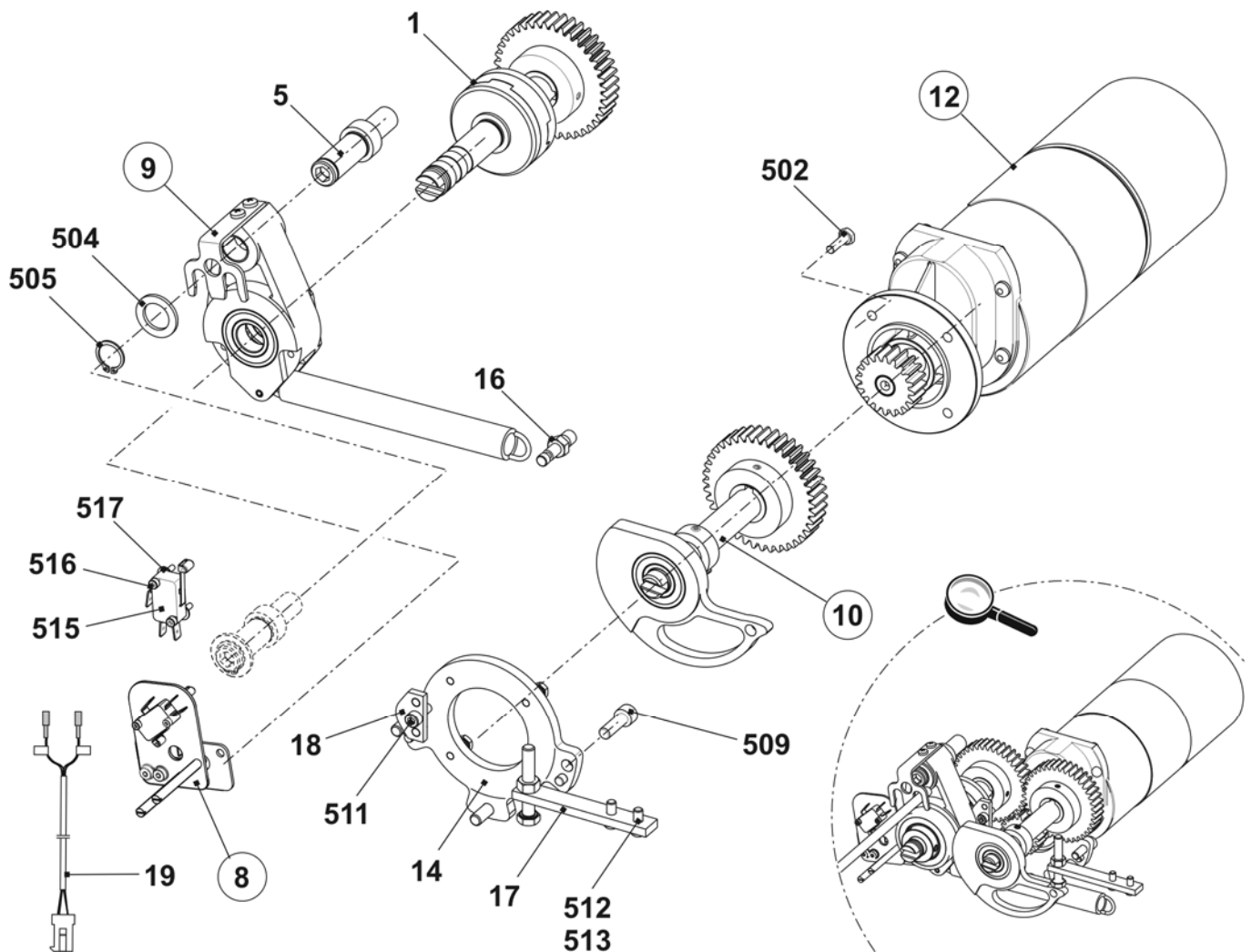
Take-down rollers and left bearing

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Main take-down complete	250 637	16	Spring bolt	221 143
2	Bearing race complete	221 168	17	Stop point	221 146
3	Shaft on the left at the rear	221 012	18	Stop point	232 364
4	Stripper angle at the rear complete	240 125	25	Angle rail complete	250 925
5	Bolt	208 538	502	Washer 18	023 295
6	Rod	221 338	503	Locking ring 18x1.2	020 955
7	Mounting plate on the left complete	231 725	504	Cap screw M8x25-12.9	020 142
9	Swivel-mounted bearing	240 714	505	Washer 8	020 883
11	Floating axle on the left	221 174	506	Cap screw M6x16	020 135
13	Take-down roller at the rear complete	250 659	507	Washer 6	020 881
15	Take-down roller at the front complete	250 655	508	Countersunk screw M6x16	023 124



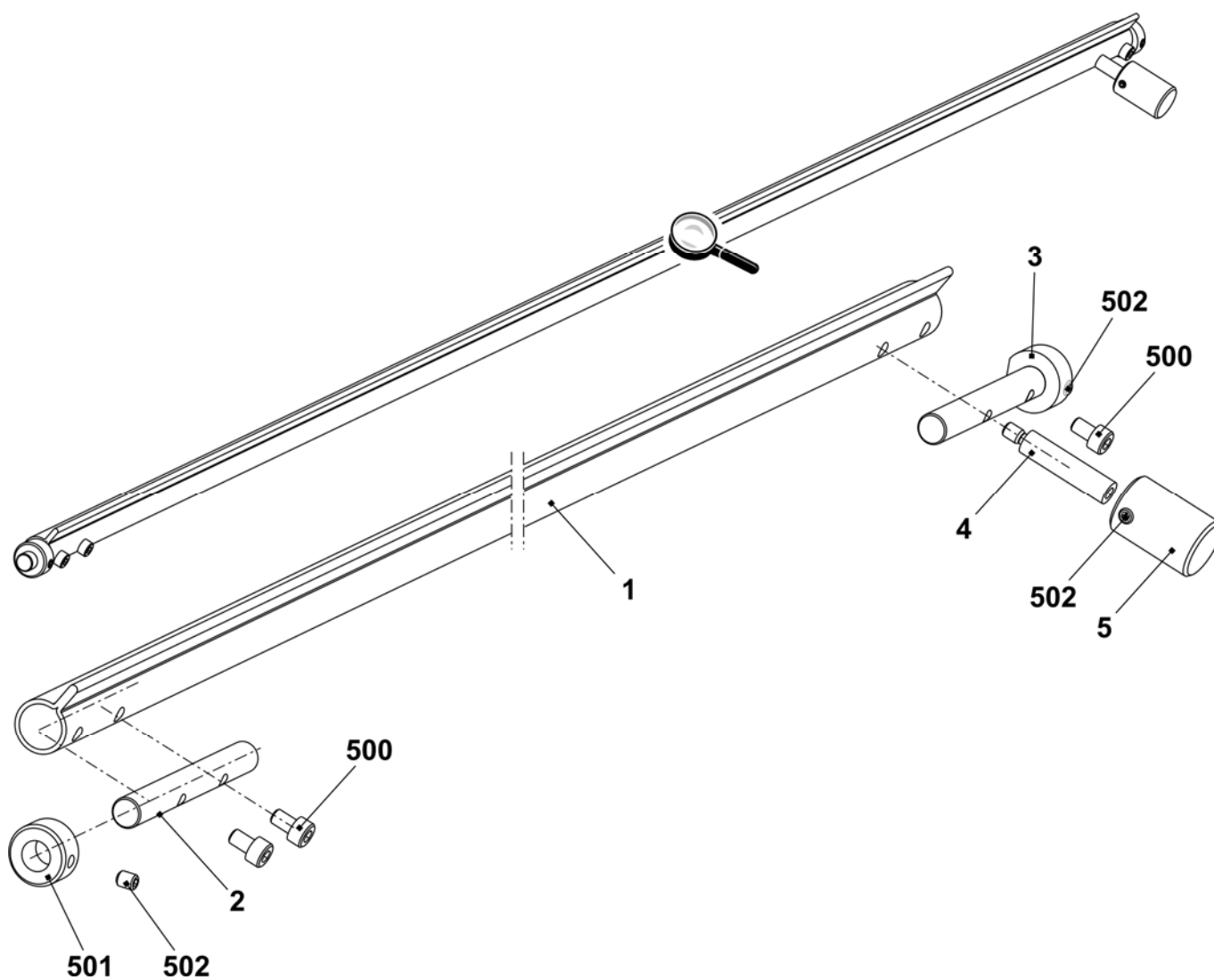
Take-down motor and right bearing

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Main take-down complete	250 637			
1	Clutch set	223 441	502	Hexagon screw M6X16	020 356
8	Mounting plate on the right complete	240 069	504	Washer 18	023 295
9	Swivel-mounted bearing	240 714	505	Locking ring 18x1.2	020 955
10	Floating axle on the right	223 442	509	Cap screw M8x25-12.9	020 142
12	Motor take-down + comb	214 279	511	Cap screw M6x16	020 135
14	Flange	241 754	512	Washer 6	020 881
16	Spring bolt	221 143	513	Countersunk screw M6x16	023 124
17	Stop point	221 146	515	Microswitch Xgk2-S21 250	210 510
18	Stop point	232 364	516	Cap screw M3x20	023 221
19	Cable winding plate OKC	241 703	517	Washer 3	023 657



Stripper angle

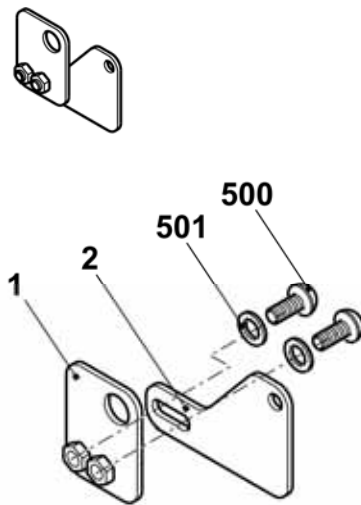
Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Stripper angle at the rear complete	240 125			
1	Stripper angle	240 126	5	Setting weight	229 248
2	Shaft	240 127	500	Cap screw M5x8	023 319
3	Cam	209 278	501	Set collar	020 934
4	Bolt	228 310	502	Set screw M5x6	022 738



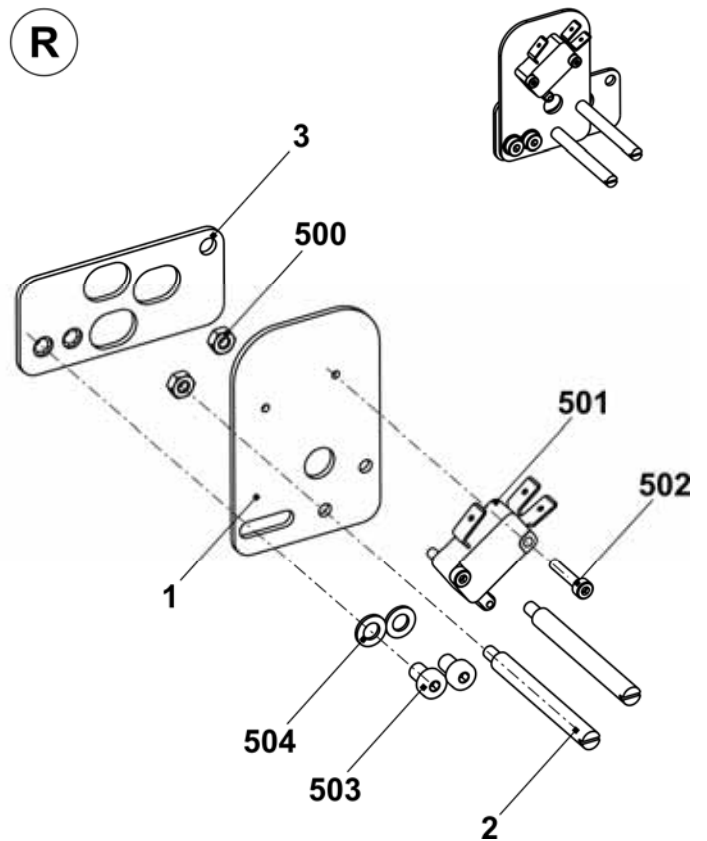
Mounting plate

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ L	Mounting plate on the left complete	231 725	Σ R	Mounting plate on the right complete	240 069
1	Mounting plate on the left	231 541	1	Mounting plate on the right	240 068
2	Retaining plate on the left	231 539	2	Shoulder screw	240 067
500	Countersunk 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	Shoulder screw M3x16	022 583
			503	Cap screw M5x8	244 278
			504	Washer 5-200	020 871

L

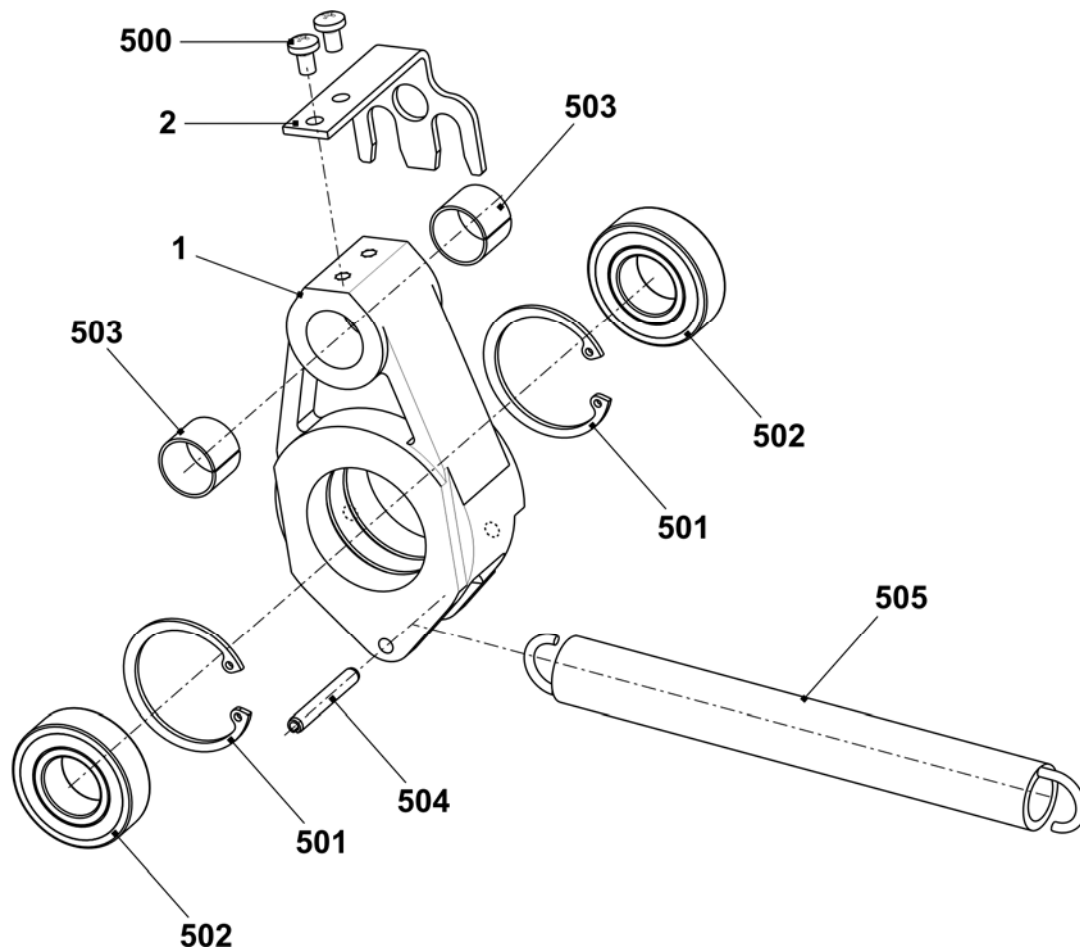


R



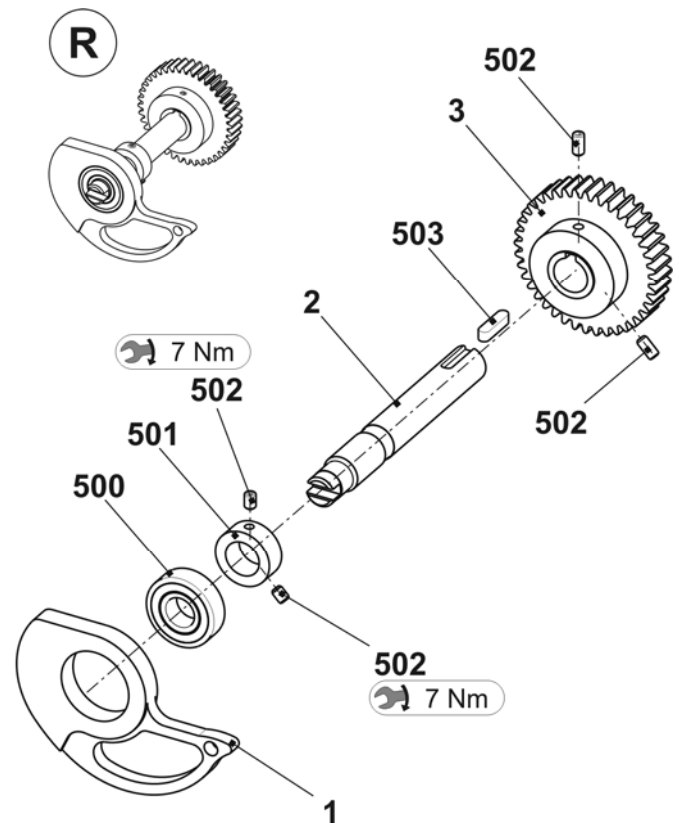
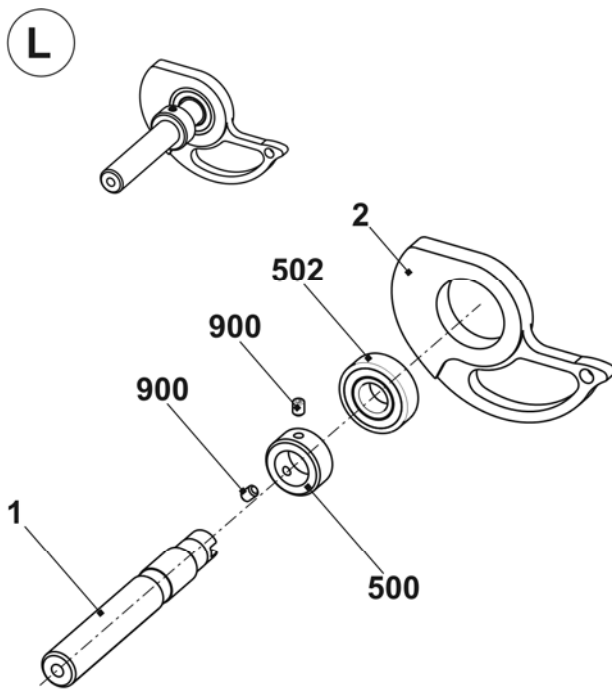
Swivel-mounted bearing

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Swivel-mounted bearing	240 714	502	Ball bearing 6004-2Z	022 720
1	Lever	221 081	503	Slide bearing 18x20x15	022 951
2	Sheet metal support	209 393	504	Spring dowel sleeve 5x36	023 150
500	Countersunk screw M5x8	022 779	505	Tension spring 21x3.0x192	240 217
501	Locking ring 42x1.75	023 293			



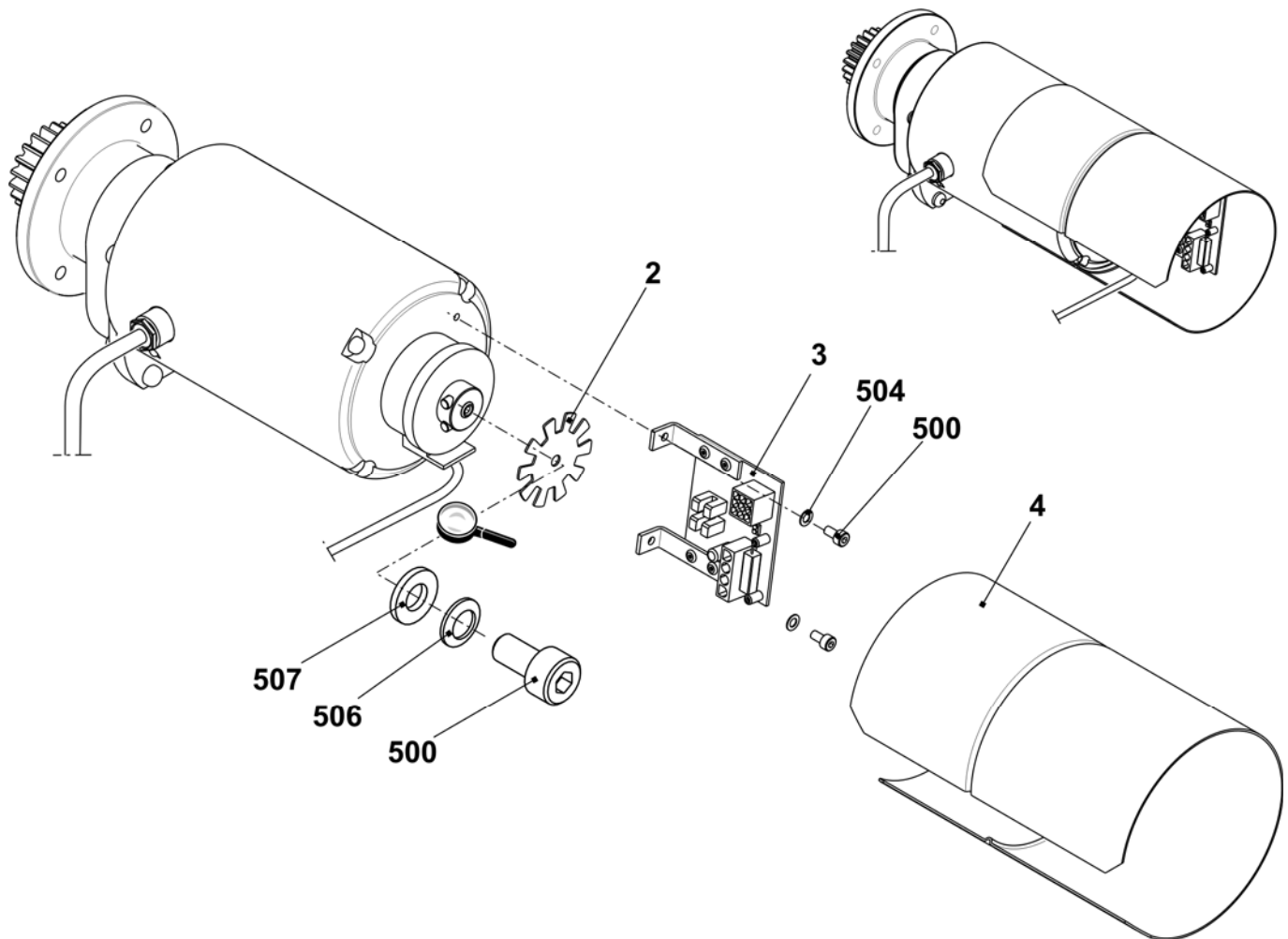
Floating axle

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ A	Floating axle on the left	221 174	Σ B	Floating axle on the right	223 442
1	Shaft on the left at the front	221 013	1	Eccentric	220 998
2	Eccentric	220 998	2	Shaft on the right	223 393
500	Set collar	020 938	3	Gear wheel z=40, m=2	213 744
502	Fitting freewheel ZZ6203L	023 294	500	Fitting freewheel ZZ6203L	023 294
900	Set screw M6x8	022 684	501	Set collar	020 938
			502	Set screw M6x8	022 684
			503	Feather key A 6x6x25	023 017



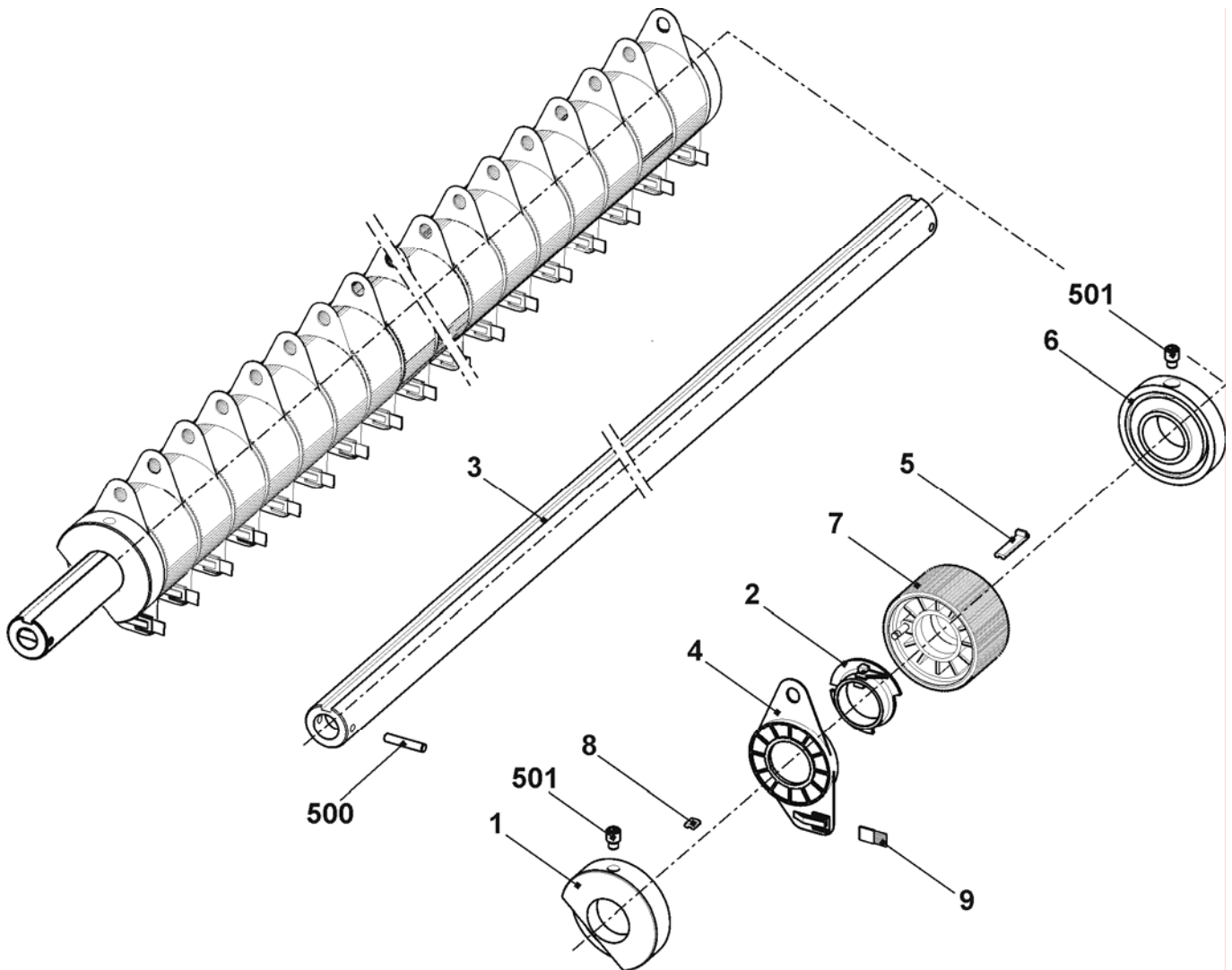
Impulse giver and motor

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Motor take-down unit + comb	214 279	500	Cap screw M4x8	022 501
2	Impulse disc	208 716	504	Washer 4-200	020 879
3	Photoelectric sensor take-down + comb	300 744	506	Circlip	022 774
4	Cover	212 262	507	Shim ring 4x8x1	023 369



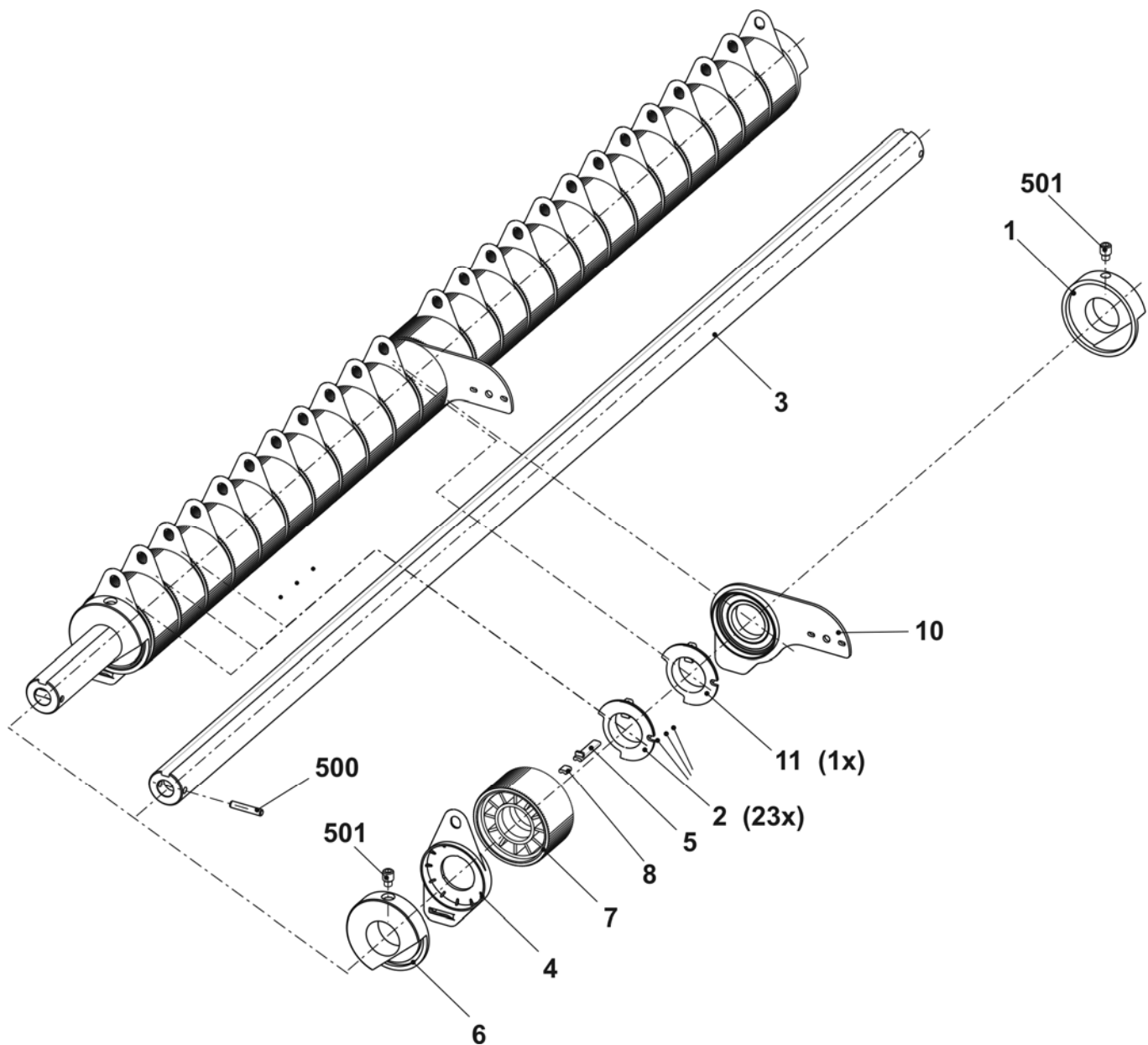
Rear take-down roller

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Take-down roller at the rear complete	242 338			
1	Ring on the left	232 280	7	Roller checkered E5 – E14 + E2,5.2 - E7.2	206 770
2	Stop ring on the left	204 369	8	Spacer slide	222 062
3	Shaft	221 011	9	Brush	225 819
4	Stripper	241 612	500	Setting pin 6x32	020 685
5	Spacer slide	240 104	501	Set screw M10x15-4	020 635
6	Ring on the right	232 281			



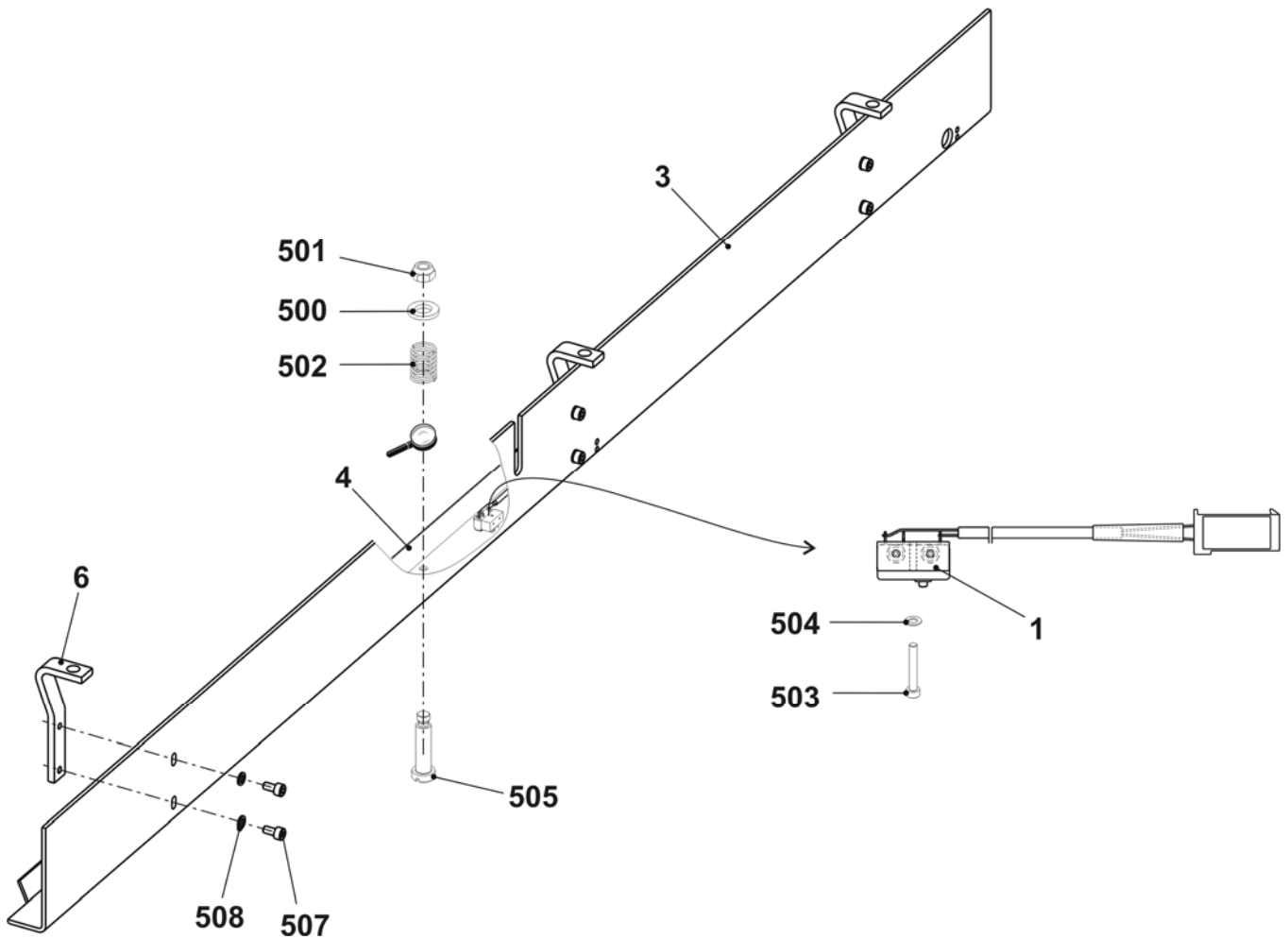
Front take-down roller

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Take-down roller at the front complete	250 655			
1	Ring on the left	250 573	7	Roller	206 770
2	Stop ring on the left	204 369	8	Spacer slide	222 062
3	Shaft	250 436	10	Support	250 407
4	Stripper	241 612	11	Stop ring on the left	222 910
5	Spacer slide	240 104	500	Setting pin 6x32	020 685
6	Ring on the right	250 574	501	Set screw M10x15	020 635
3	Pressure sleeve	220 911			



Pressure angle rail

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Angle rail complete	250 925			
1	Switch complete with cable	221 265	502	Compression spring 0.8x9.2x27.5	023 537
3	Angle rail	251 062	503	Cap screw M2x12	023 522
4	Winding plate	221 101	504	Washer 2	022 908
6	Support	250 924	505	Shoulder screw M5x20x5	023 675
500	Washer 6	022 431	507	Cap screw M5x10	022 918
501	Hexagon nut M5-8	023 541	508	Washer 5	020 880

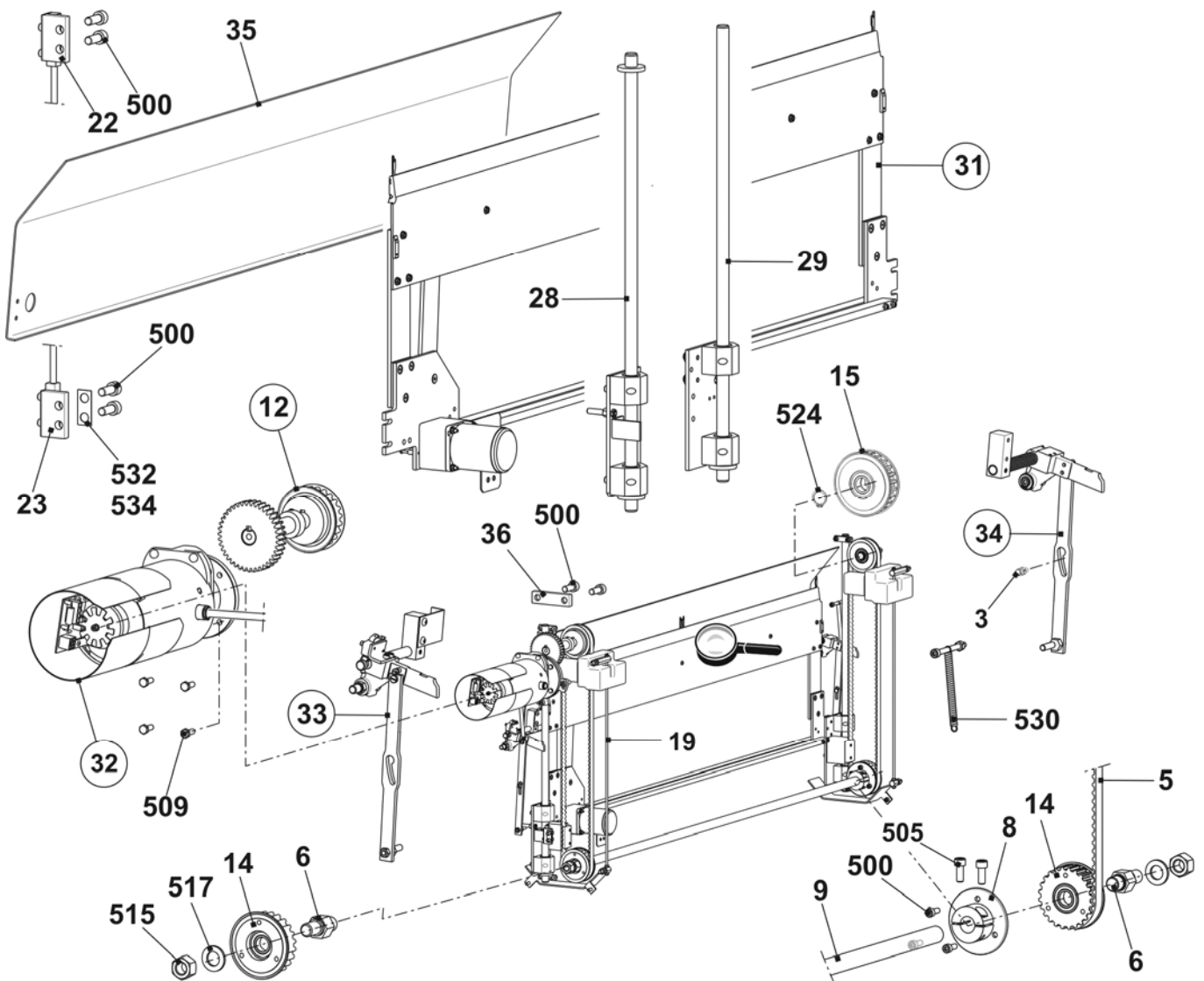


Comb take-down

THE RIGHT WAY TO KNIT

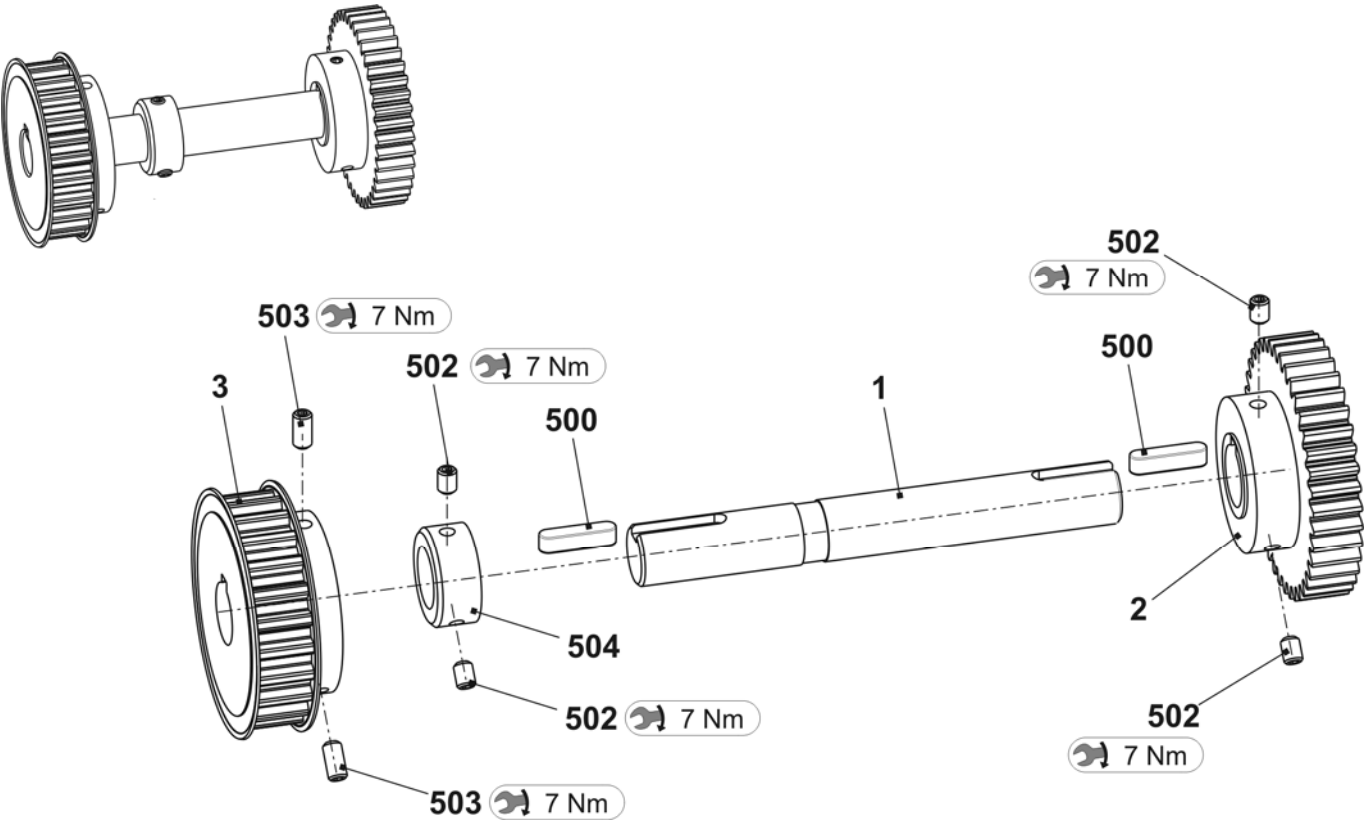
Comb take-down

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Comb take-down		31	Comb unit	
	E5	251 020		E5	251 010
	E7 + E3,5.2	250 616		E7 + E3,5.2	250 609
	E12+ E6.2 + E6.2(12m.10)	250 618		E12+ E6.2 + E6.2(12m.10)	250 559
	E14 + E7.2	250 283		E14 + E7.2	250 282
3	Bolt	222 152	32	Motor take-down + comb	214 279
5	Toothed belt	240 065	33	Swivel lever on the right	238 337
6	Eccentric pin	222 320	34	Swivel lever on the left	238 338
8	Flange	207 695	35	Guide plate	250 149
9	Shaft long	213 968	36	Clamping plate	227 159
12	Drive shaft comb complete	214 583	500	Cap screw M6x16	020 135
14	Timing belt pulley at the bottom complete	211 822	505	Cap screw M8X20	020 141
15	Timing belt pulley at the top complete	211 823	509	Hexagon screw M6X16	020 356
19	Threaded rod M5	240 057	524	Locking ring 17x1	023 299
22	Proximity switch at the top complete	231 516	530	Tension spring 15x1.5x70.94	251 614
23	Proximity switch at the bottom complete	231 520	532	Shim 0.2x12x27	023 735
28	Comb guide on the left	240 110	534	Shim 0.5x12x27	023 736
29	Comb guide on the right	240 109			



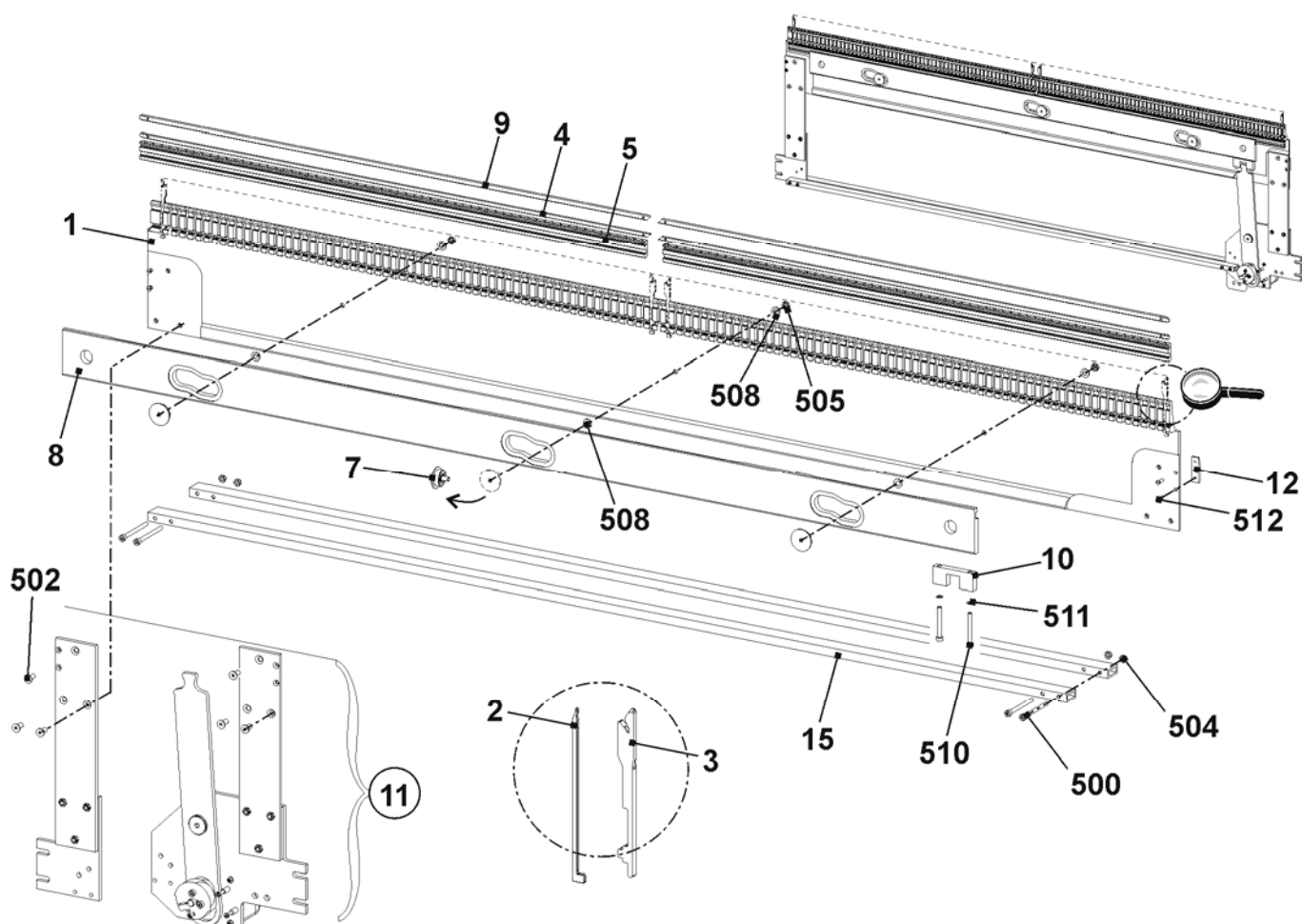
Drive shaft of comb

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Drive shaft of 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	Set screw M6x8	022 684
	Always order pos. 502 additionally		503	Set screw M6x12	023 898
3	Timing belt pulley at the top	206 394	504	Set collar	020 938
	Always order pos. 503 additionally				



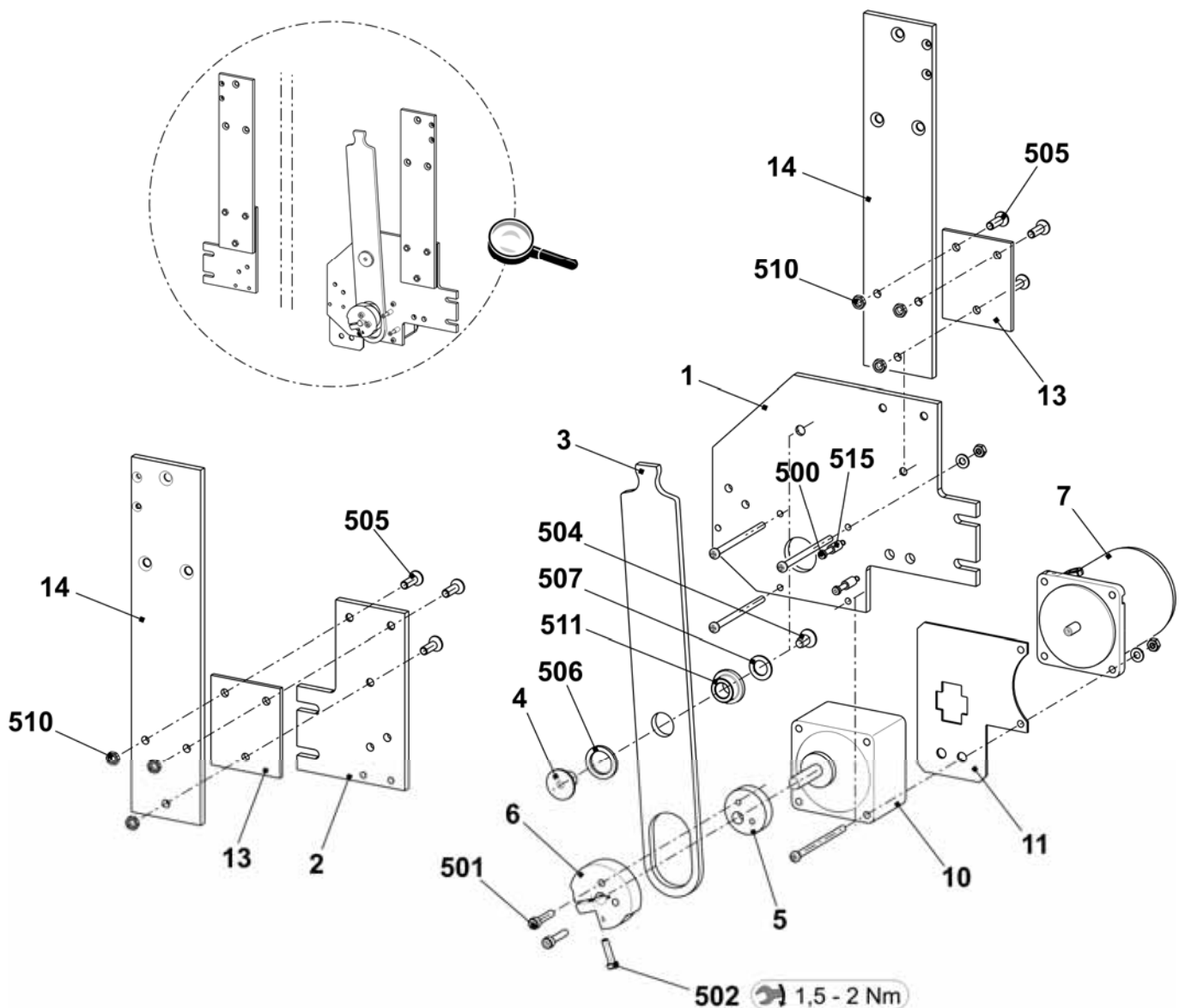
Comb unit

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Comb unit		5	Hook slider	
	E5	251 010		E5	220 995
	E7 + E3,5.2	250 609		E7 + E3,5.2	220 993
	E12 + E6.2(12m.10) + E6.2	250 559		E12 + E6.2(12m.10) + E6.2	220 994
	E14 + E7.2	250 282		E14 + E7.2	220 993
1	Hook bed		7	Collar bolt complete	211 036
	E5	221 193	8	Cross slider	213 429
	E7 + E3,5.2	221 194	9	Cover rail	222 866
	E12 + E6.2(12m.10) + E6.2	221 197	10	Plunger	205 678
	E14 + E7.2	221 198	11	Switch lever complete	240 060
2	Closer		12	Ramp	221 269
	E5	230 105	15	Stabilizator	215 253
	E7 + E3,5.2	230 105	500	Cap screw M4x30	023 290
	E12 + E6.2(12m.10) + E6.2	230 106	502	Countersunk head screw M5x12	023 340
	E14 + E7.2	230 106	504	Hexagon nut M4-8	023 046
3	Body		505	Hexagon nut M5-04	020 854
	E5	230 093	508	Washer 5	020 871
	E7 + E3,5.2	230 093	510	Cap screw M4x35	023 550
	E12 + E6.2(12m.10) + E6.2	230 094	511	Circlip	022 774
	E14 + E7.2	230 094	512	Countersunk head screw M3x10	020 288
4	Cover rail	213 428			



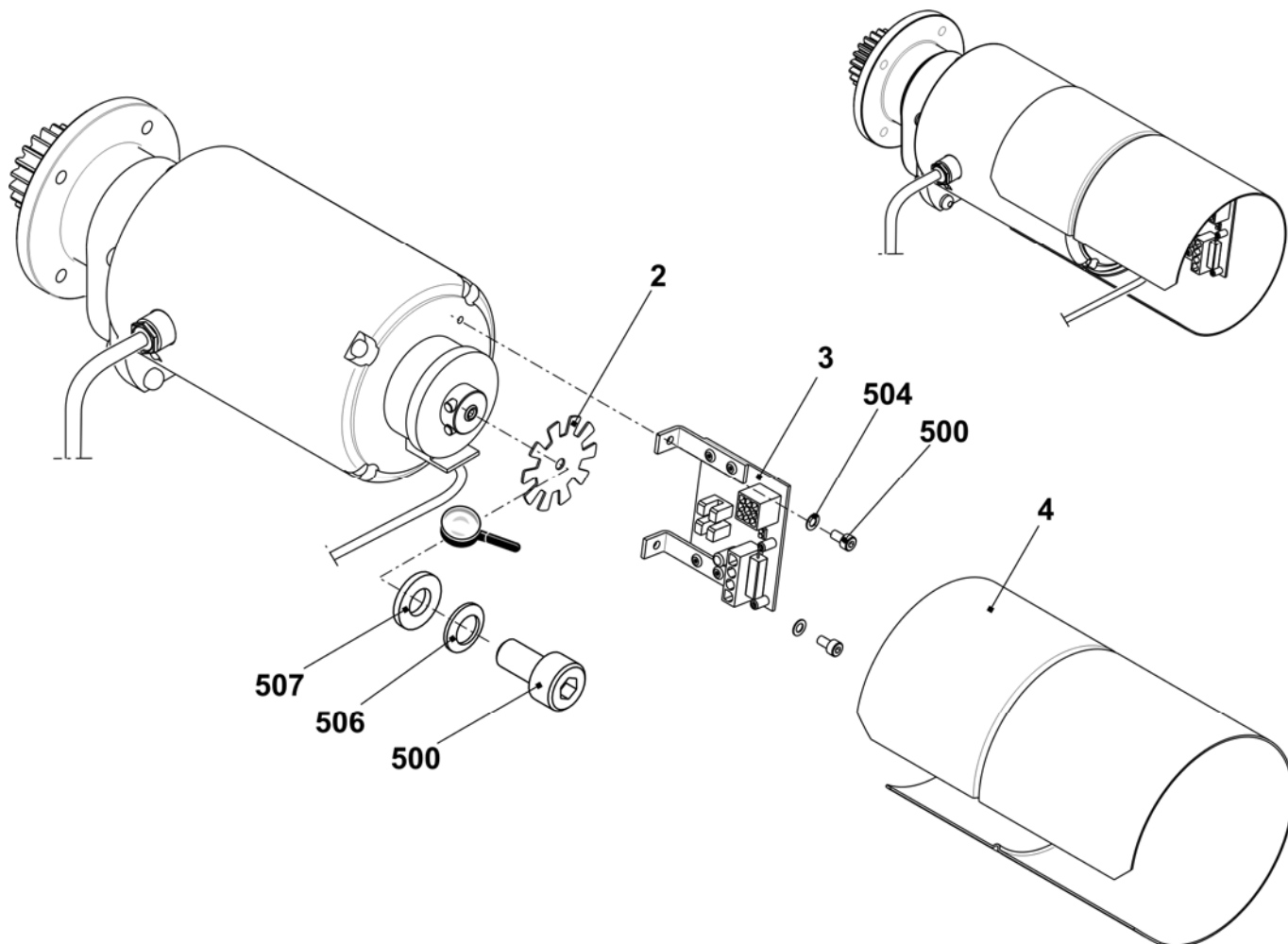
Switch lever comb take-down

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Switch lever complete	240 060			
1	Screwing plate on the right	240 058	10	Gear 2GN50K	213 986
2	Screwing plate on the left	240 059	11	Cable holder	215 543
3	Lever	215 228	13	Intermediate plate	213 980
4	Bearing bolt	215 675	14	Retaining plate	218 977
5	Eccentric	205 681	500	Cap screw M3x25	023 093
6	Tension lifter	215 287	501	Cap screw M4x20	023 171
7	Motor comb hook 515	213 872	502	Cap screw M4x16	023 123



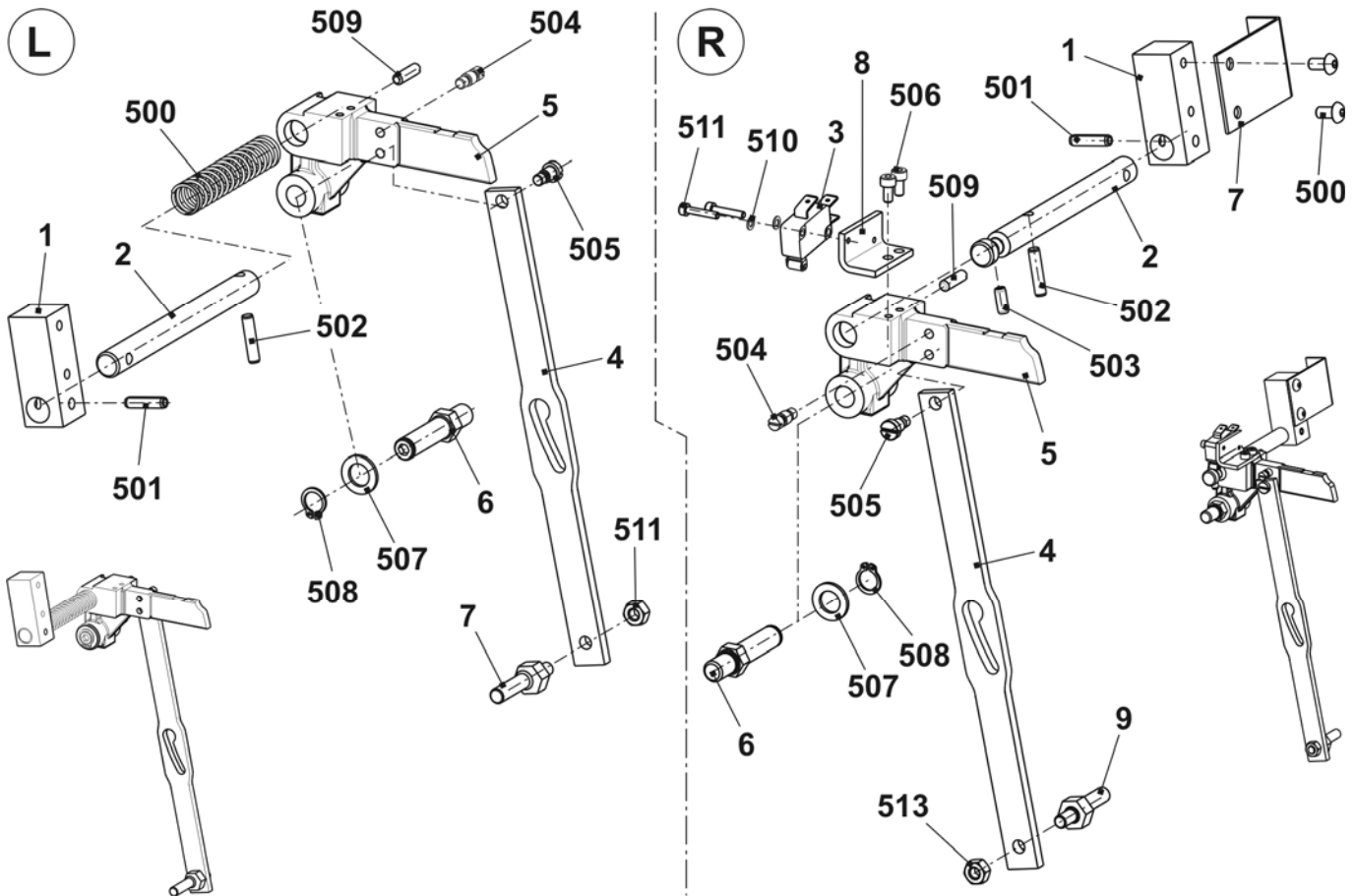
Motor take-down unit

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Motor take-down unit	214 279	500	Cap screw M4x8	022 501
2	Impulse disc	208 716	504	Washer 4-200	020 879
3	Photoelectric sensor take-down + comb	300 744	506	Circlip	022 774
4	Cover	212 262	507	Shim ring 4x8x1	023 369



Swivel lever comb take-down

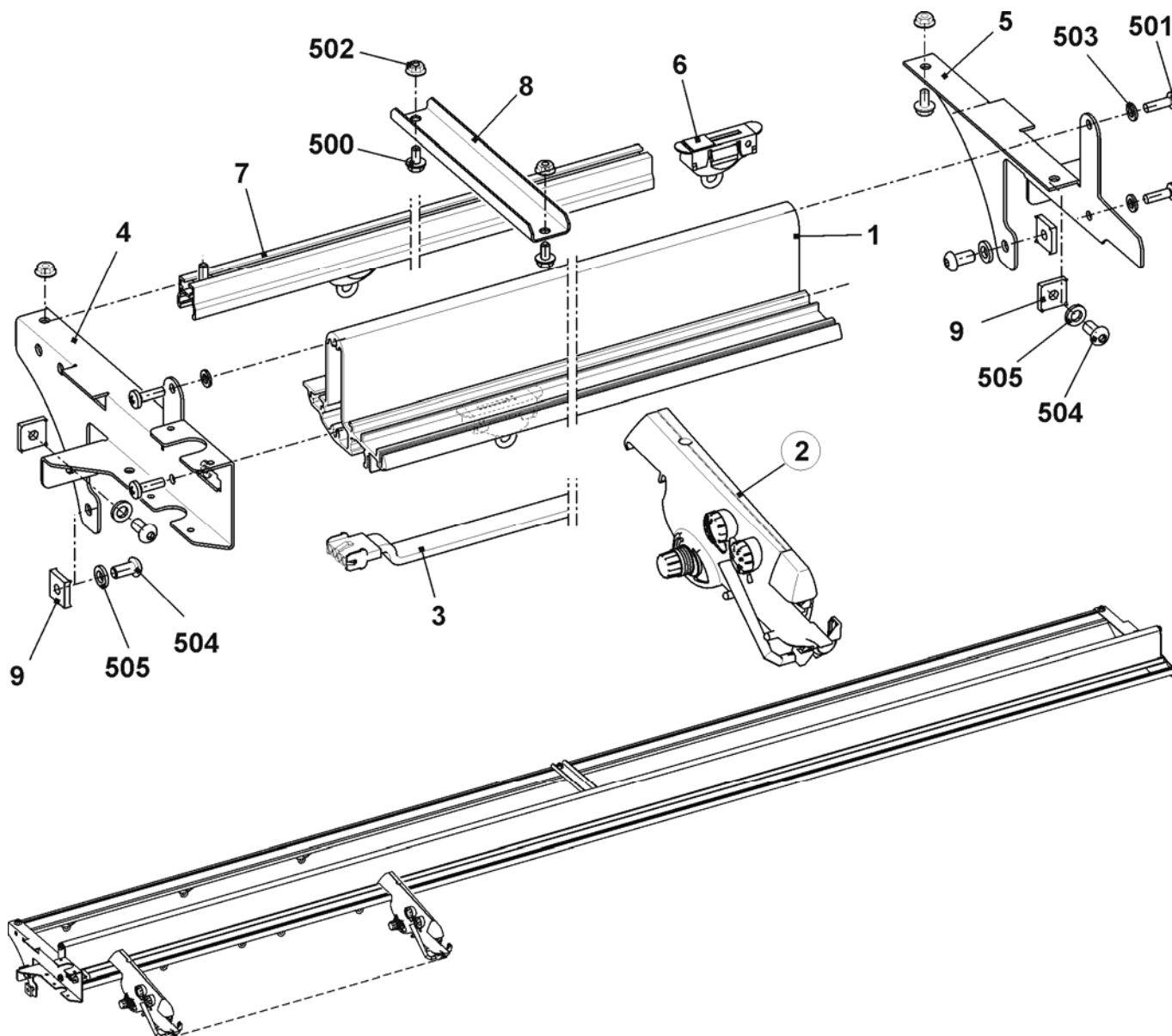
Pos	Designation	Ident No	Pos	Designation	Ident No
Σ L	Swivel lever on the left	238 338	Σ R	Swivel lever on the right	238 337
1	Support	224 004	1	Support	224 004
2	Shaft	223 994	2	Shaft	238 339
4	Plunger	241 964	3	Microswitch	026 259
5	Swivel lever	239 248	4	Plunger	241 964
6	Bolt	214 053	5	Swivel lever	239 248
7	Eccentric bolt	243 225	6	Bolt	214 053
500	Compression spring 1.4x13.6x93	023 572	7	Angle	224 009
501	Spring dowel sleeve ISO8752-5x20	020 794	8	Angle	238 304
502	Dowel pin 5x22	023 716	9	Eccentric bolt	243 225
504	Cap screw M5x11x17	204 318	500	Countersunk screw M5x10	023 247
505	Shoulder screw M5x5.8x6.2	023 365	501	Spring dowel sleeve 5x20	020 794
507	Washer 10-200	020 884	502	Dowel pin 5x22	023 716
508	Locking ring	020 950	503	Spring dowel sleeve 5x12	020 793
509	Shoulder screw M5x12x18	020 539	504	Cap screw M5x11x17	204 318
511	Hexagon nut M6-6	022 899	505	Shoulder screw M5x5.8x6.2	023 365
			506	Cap screw M4x8	022 501
			507	Washer 10	020 884
			508	Locking ring 10x1	020 950
			509	Shoulder screw M5x12x18	020 539
			510	Shoulder screw M3x16	022 583
			511	Washer 3	020 877
			513	Hexagon nut M6-6	022 899



Yarn delivery device

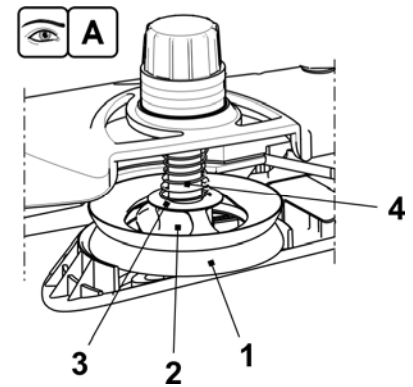
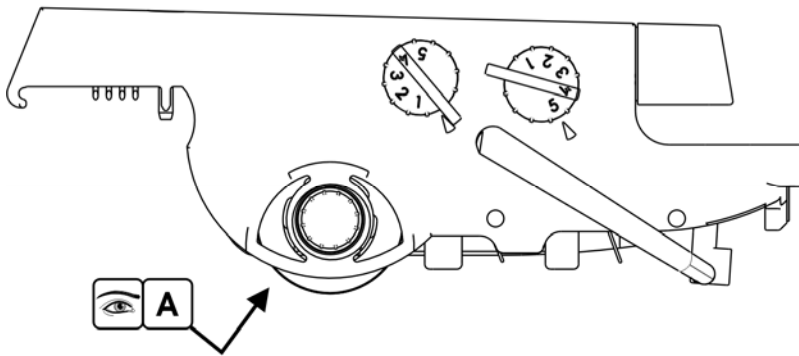
Yarn guide system with 6 FKE

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Yarn guide system 6 FKE	250 612	8	Support	243 792
1	Support	243 110	9	Sliding block	228 851
2	Yarn control device (FKE)	237 124	500	Self-locking screw M6x12	023 415
3	Connection cable FKE-3 50"	239 710	501	Screw M6x20	023 721
4	Support on the left	243 600	502	Ribbed safety nut M6-10	023 414
5	Support on the right	243 601	503	Washer 6	022 431
6	Yarn guide bracket complete	241 581	504	Countersunk screw M8x16	023 113
7	Yarn guide bar	240 324	505	Serrated lock washer	023 388



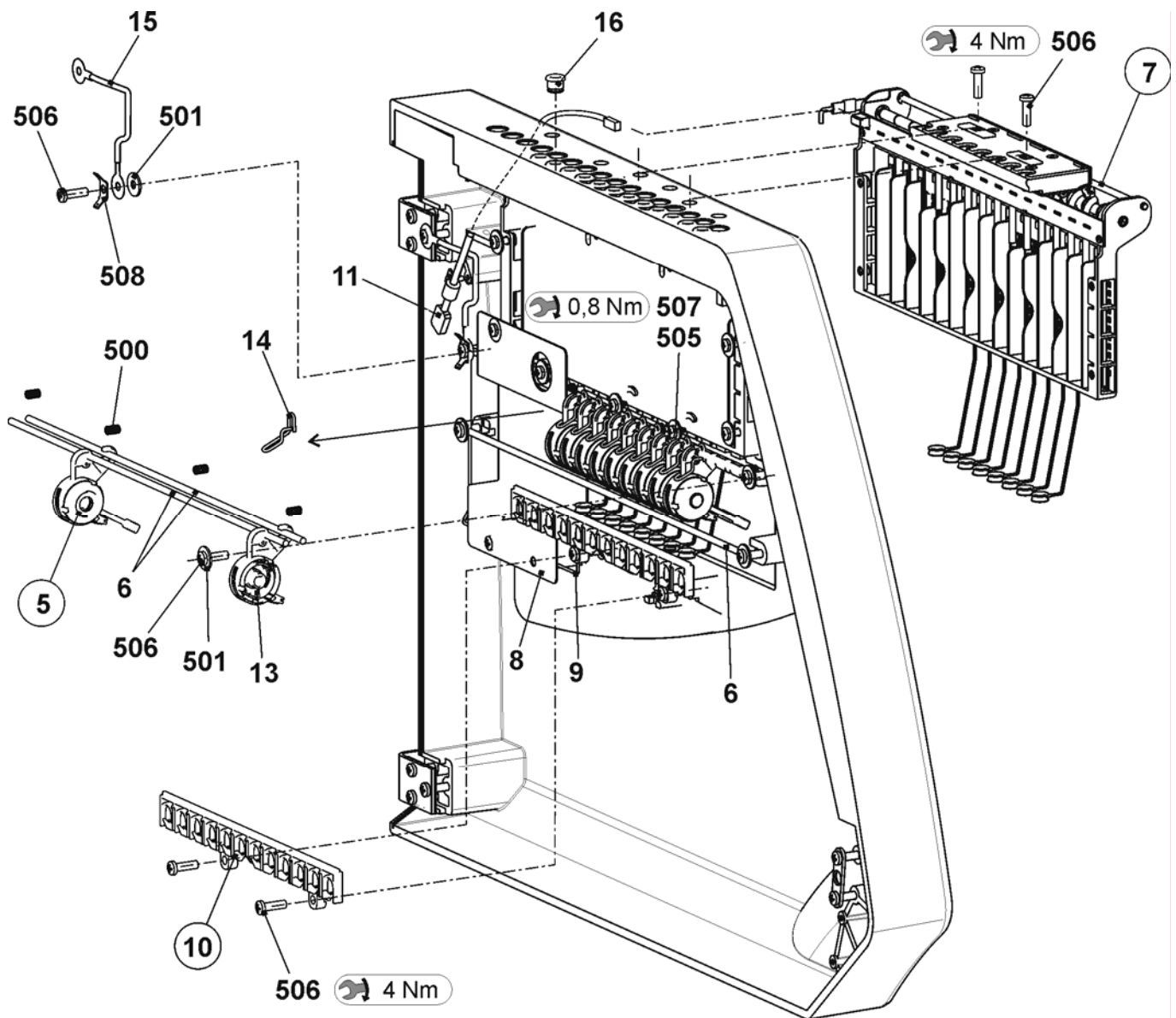
Yarn control unit

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Yarn control unit E7-E8	237 124	3	Disc	216 372
2	Porcelain eyelet of thread brake	244 407	4	Compression spring	



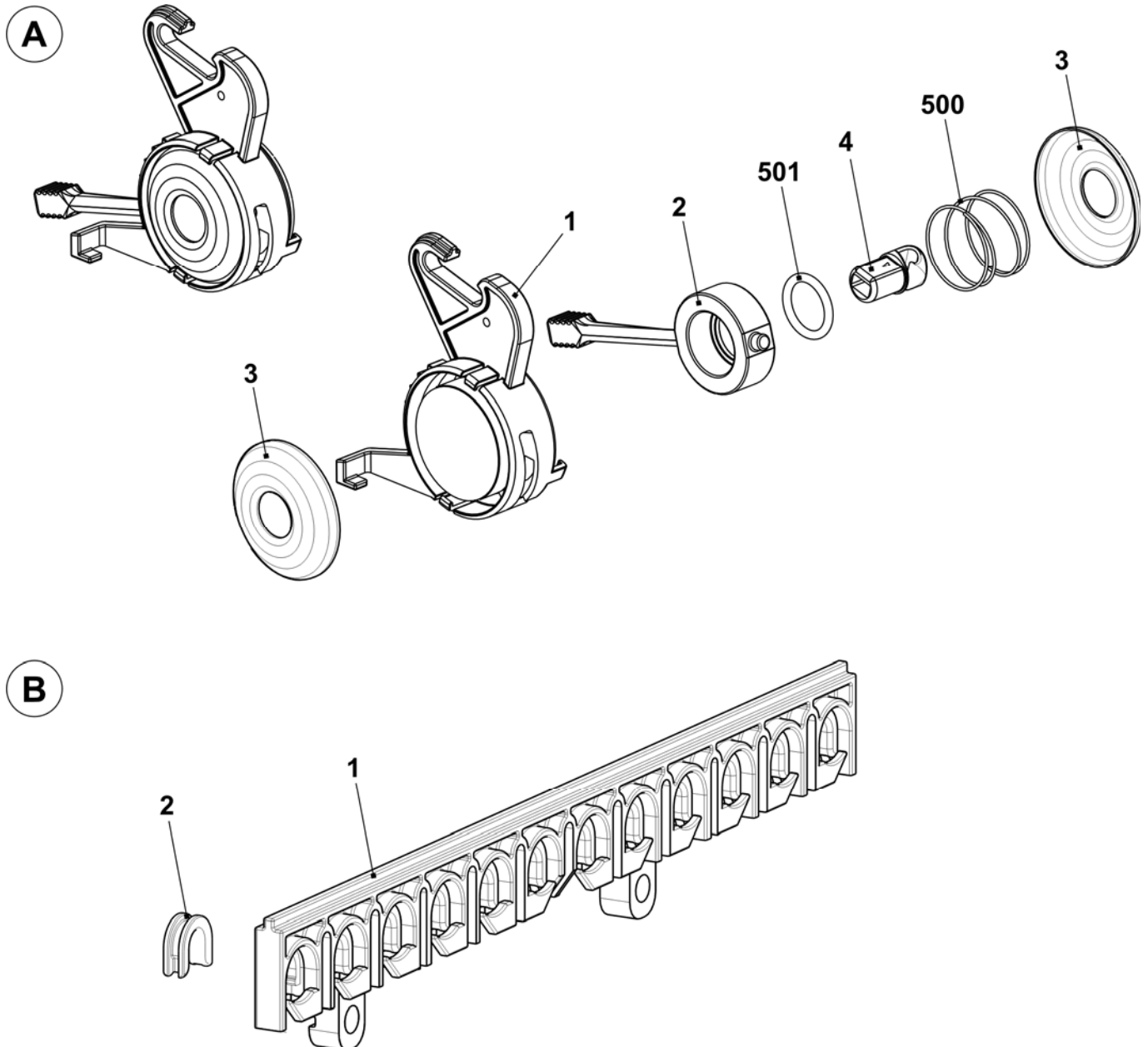
Yarn guide 420E

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Safety cover on the right (yarn guide)		10	Yarn deflector	250 592
	E3 - E5	250 998	11	Connection cable yarn tensioner OKC	240 808
	E7 - E8	250 606	13	Yarn brake not adjustable	244 356
	E10 - E18	250 586	14	Clamping bow	244 409
5	Yarn brake complete	244 347	15	Ground cable	244 404
6	Shaft	241 318	16	Ceramic eyelet	240 640
7	Yarn tensioner on the right complete		500	Compression spring 0.90x5.40x13.60	241 360
	E3 - E5	250 997	501	Washer	022 537
	E7 - E8	250 605	505	Disc 5,3x18x1,5	020 909
	E10 - E18	250 583	506	Screw KB 60x20	237 682
8	Cover	250 591	507	Sheet metal screw ST4,8x9,5-F	242 374
9	Wire bow on the left	241 370	508	Flat connector 2x45° M6	243 117



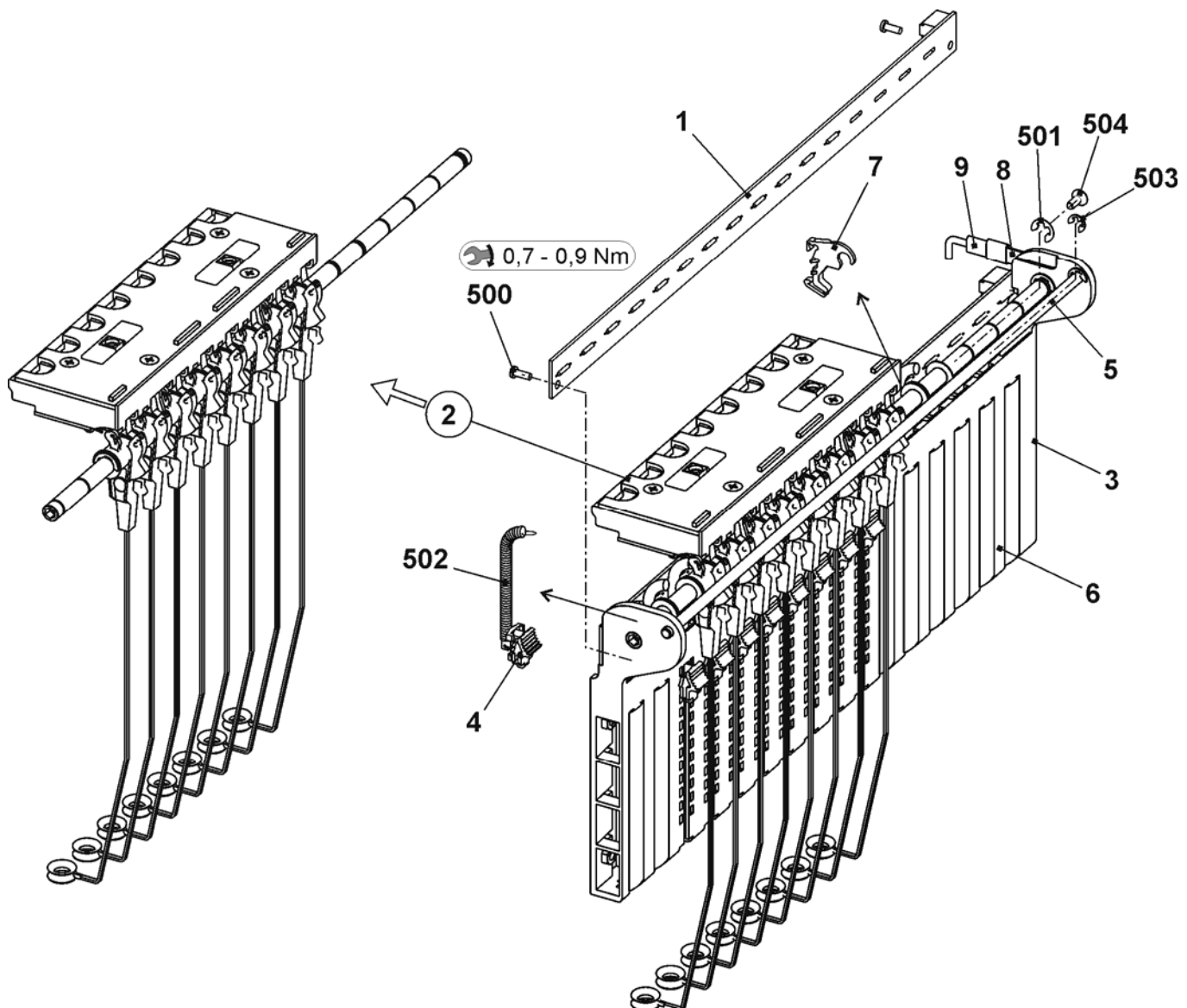
Yarn brake and yarn deflector

Pos	Designation	Ident No	Pos	Designation	Ident No
A	Yarn brake complete	244 347	B	Yarn deflector	242 011
1	Support	240 607	1	Support yarn deflector	242 009
2	Slider	240 606	2	Ceramic eyelet open	240 733
3	Brake disk	244 355			
4	Ceramic eyelet open	243 778			
500	Compression spring 0.65x20.15x14.80	241 361			
501	O-ring 11x2	241 434			



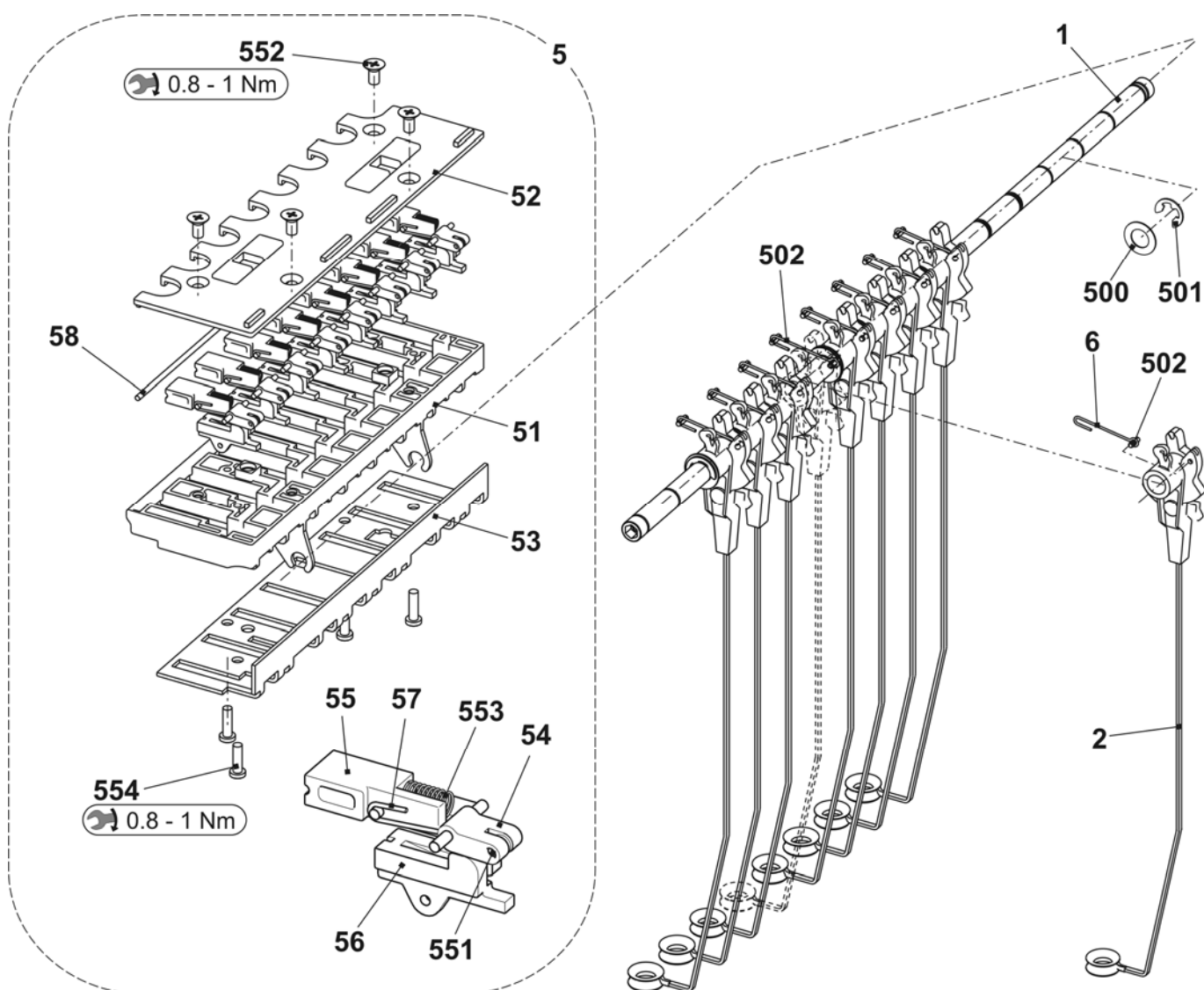
Right yarn tensioners 420E

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Yarn tensioner on the right		6	Cover	242 268
	E3 – E5	250 997	7	Spacer	242 048
	E7 – E8	250 605	8	Grounding sheet metal of tension axle	243 121
	E10 – E18	250 583	9	Ground cable yarn tensioner OKC	243 105
1	Card yarn tensioner 16-fold on the right	241 346	500	Screw KB 30x8	236 228
2	Tension axle on the right complete		501	Circlip	021 022
	E3 – E8	250 604	502	Tension spring 5.05x0.55x53 (E3-E5)	023 502
	E10 – E18	250 584		Tension spring 4.9x0.5x53 (E7-E8)	023 503
3	Housing	241 367		Tension spring 4.9x0.45x53 (E10-E18)	023 504
4	Slider	241 694	503	Circlip	021 020
5	Stop point	241 368	504	Countersunk screw M4x10	241 914



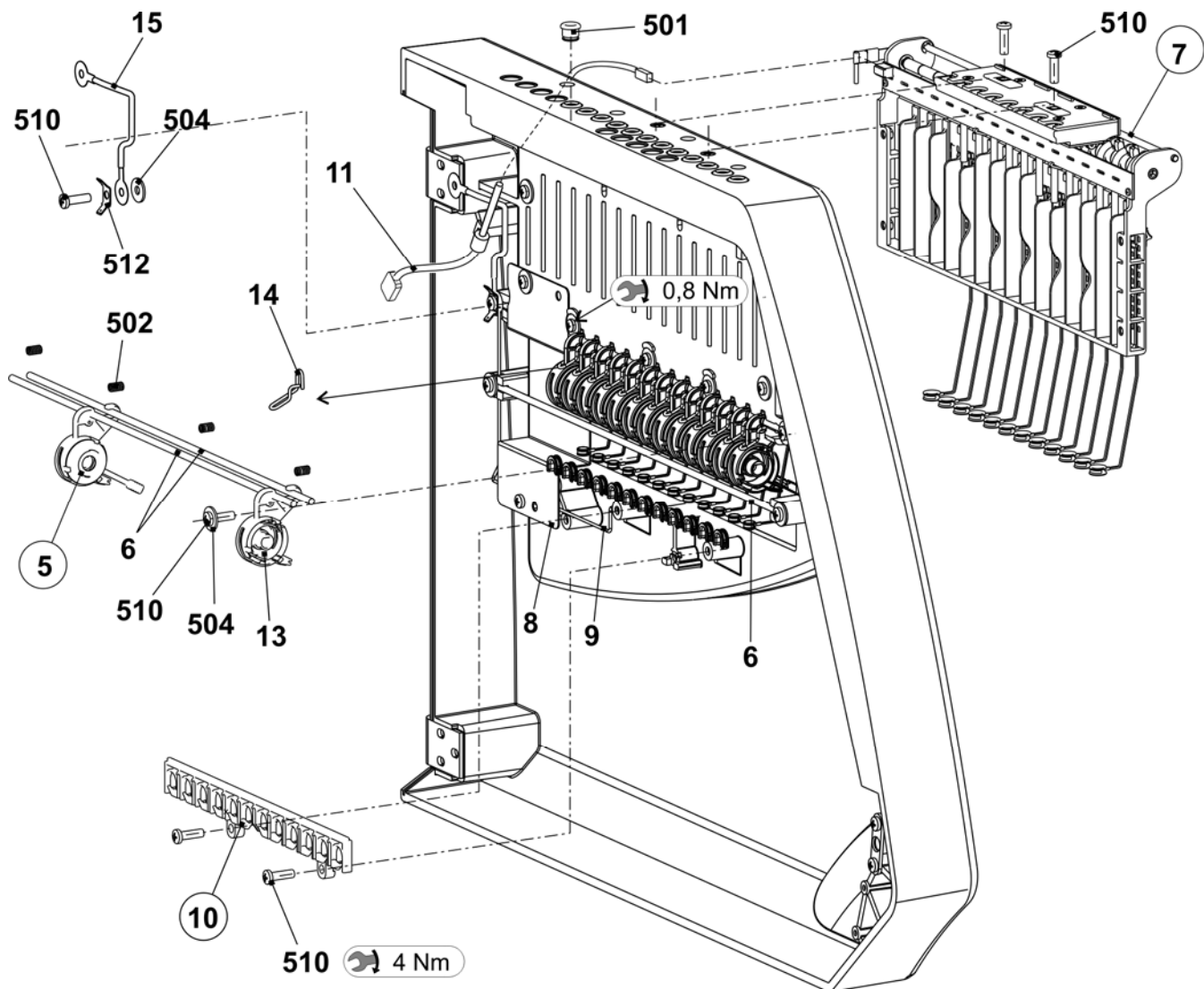
Right tension axle 420E

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Tension axle on the right complete		5	Thread clamp AKF	238 695
	E3 – E8	250 604	51	Housing AKF	238 689
	E10 – E18	250 584	52	Cover AKF	237 926
1	Axle	243 107	53	Sheet metal at the bottom (housing AKF)	240 719
2	Tension arm pre-assembled		54	Lever AKF	238 692
	E3 – E8	242 770	55	Thrust piece AKF	238 690
	E10 – E18	242 771	56	Slider AKF	238 691
6	Wire bow	238 694	57	Wire bow	238 694
500	Shim ring 8x14x0.5	023 501	58	Wire	237 940
501	Circlip	021 022	551	Grooved pin 2x6	243 172
502	Grooved pin 2x6	243 172	552	Screw KB 40x8	236 227
			553	Compression spring 0.30x4.50x18.50	241 437
			554	Screw KB 35x12	237 681



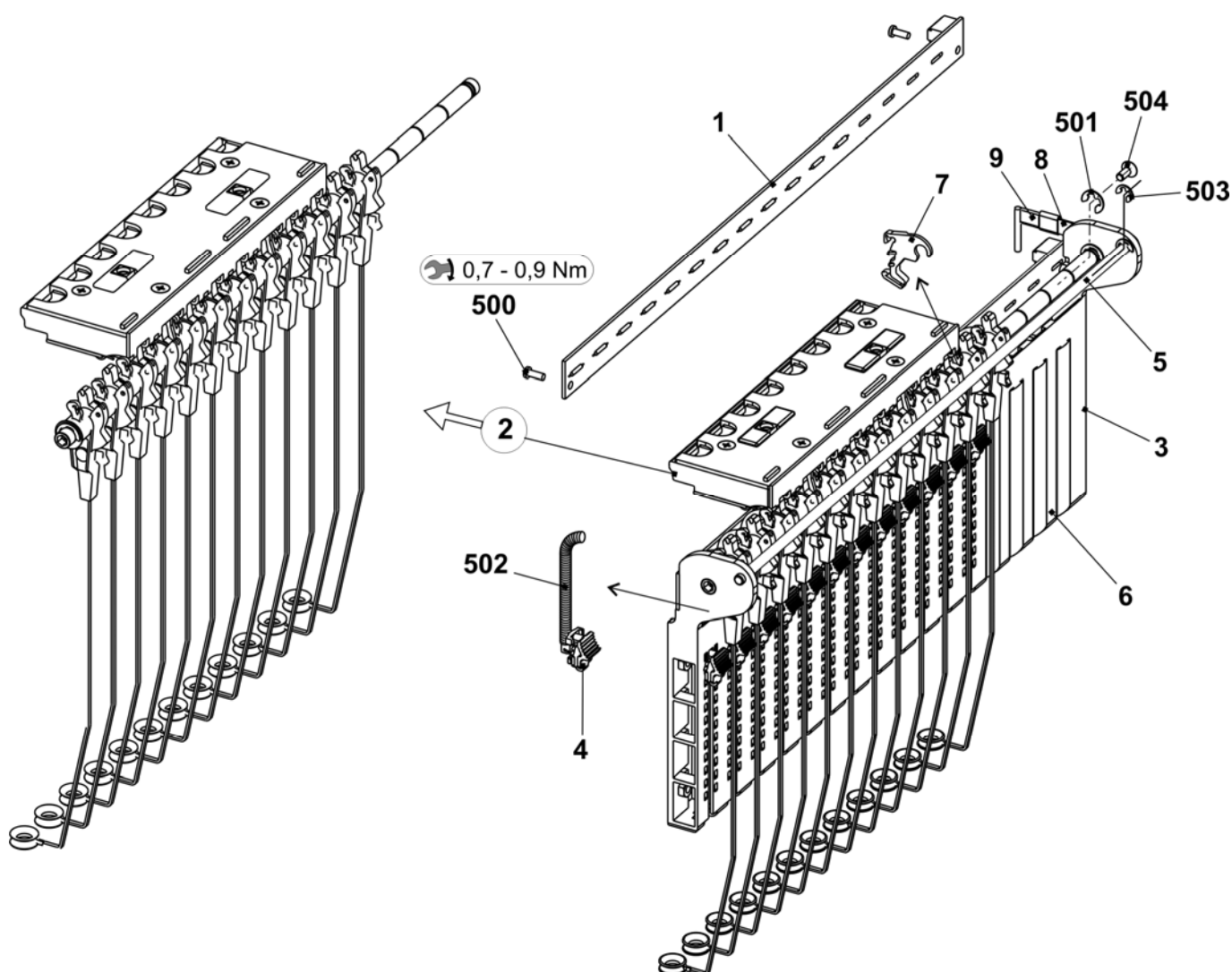
Yarn guide 420EMG

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Safety cover on the right complete		9	Wire bow on the right	241 369
	E5 (E3,5.2)	251 623	10	Yarn deflector	242 011
	E7-8 (6.2)	251 624	11	Connection cable yarn tensioner OKC	240 808
	E10-18 (E7.2/6.2(12m.10))	251 625	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Shaft	241 318	15	Ground cable	244 404
7	Yarn tensioner on the right complete		501	Ceramic eyelet	240 640
	E3-5 (E3,5.2)	241 382	502	Compression spring 0.90x5.40x13.60	241 360
	E7-8 (6.2)	241 383	504	Washer	022 537
	E10-18 (E7.2/6.2(12m.10))	241 384	510	Screw KB 60x20	237 682
8	Cover	240 783	512	Flat connector 2x45° M6	243 117



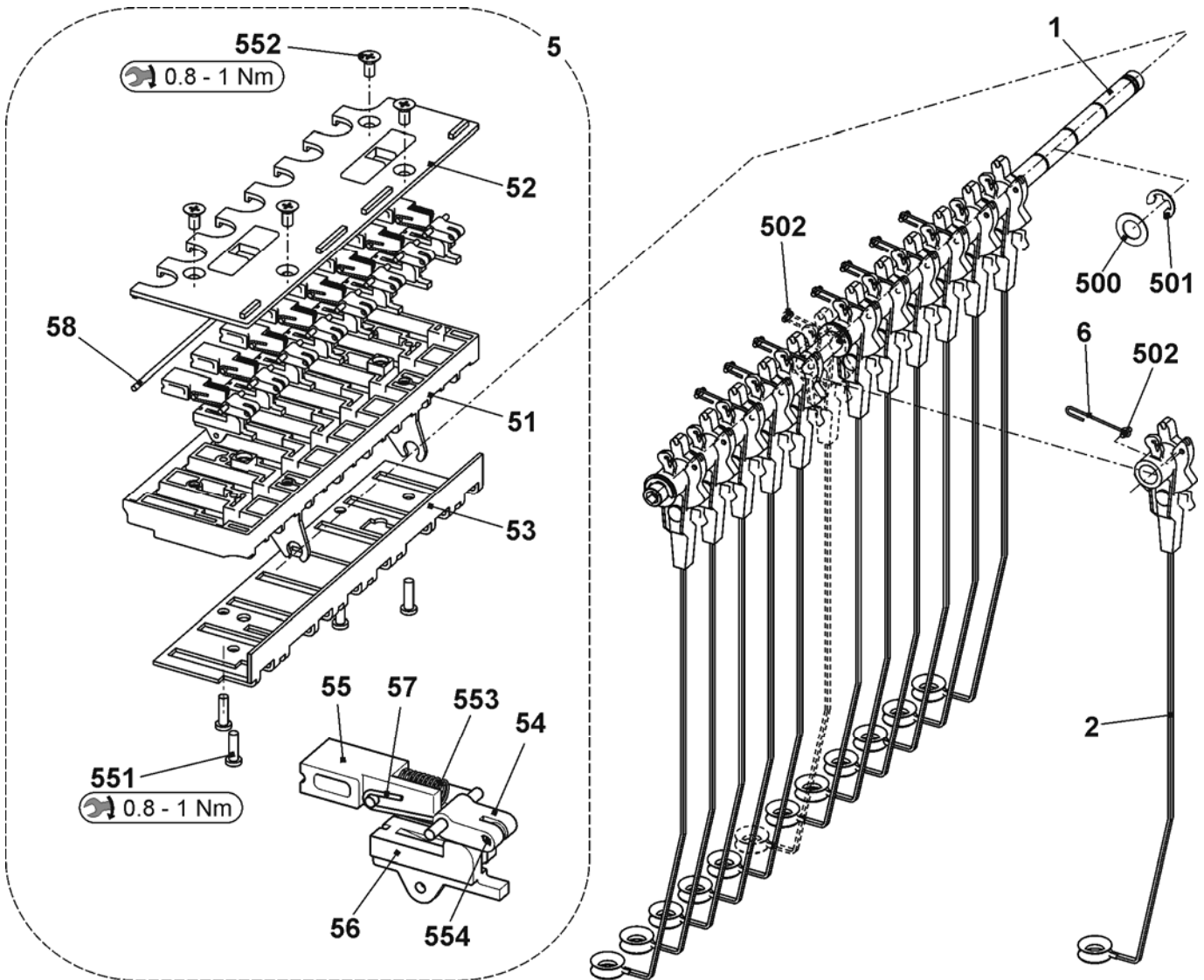
Right yarn tensioners 420EMG

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Yarn tensioner on the right		6	Cover	242 268
	E3-5 (E3,5.2)	241 382	7	Spacer	242 048
	E7-8 (6.2)	241 383	8	Grounding sheet metal of tension axle	243 121
	E10-18 (E7.2/6.2(12m.10))	241 384	9	Ground cable yarn tensioner OKC	243 105
1	Card yarn tensioner 16-fold on the right	241 346	500	Screw KB 30x8	236 228
2	Tension axle on the right complete		501	Circlip	021 022
		E3-8 (E3,5.2/6.2)	502	Tension spring 5,05x0,55x53 (E3,5.2)	023 502
		E10-18 (E7.2/6.2(12m.10))		Tension spring 4,9x0,5x53 (E6.2)	023 503
3	Housing	241 367		Tension spring 4,9x0,45x53 (E7.2/6.2(12m.10))	023 504
4	Slider	241 694	503	Circlip	021 020
5	Stop point	241 368	504	Countersunk screw M4x10	241 914



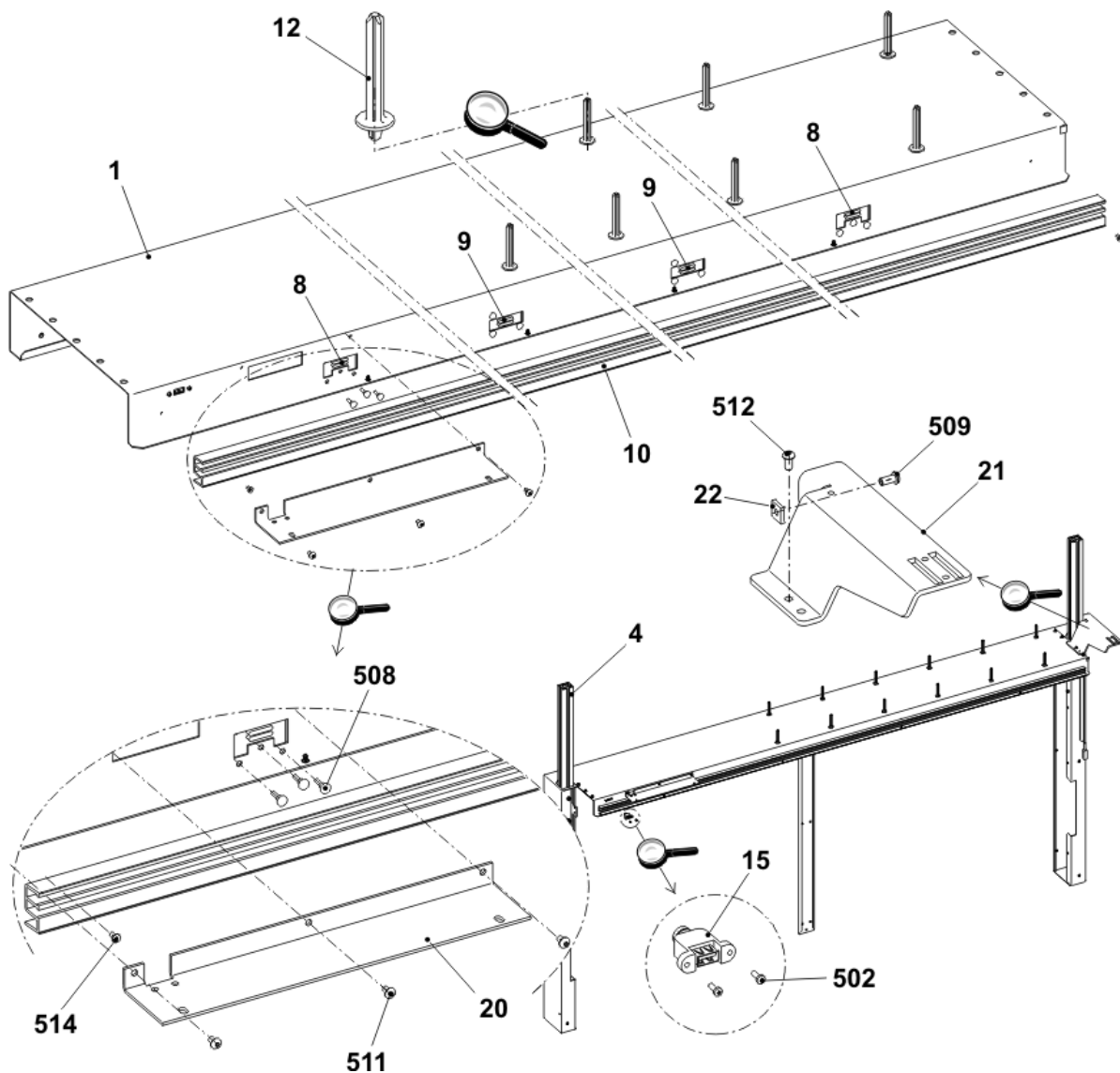
Right tension axle 420EMG

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Tension axle on the right complete		5	Thread clamp AKF	238 695
	E3-8 (E3.5.2/6.2)	241 379	51	Housing AKF	238 689
	E10-18 (E7.2/6.2(12m.10))	241 380	52	Cover AKF	237 926
1	Axle	243 107	53	Sheet metal at the bottom (housing AKF)	240 719
2	Tension arm pre-assembled		54	Lever AKF	238 692
	E3-8 (E3.5.2/6.2)	242 770	55	Thrust piece AKF	238 690
	E10-18 (E7.2/6.2(12m.10))	242 771	56	Slider AKF	238 691
6	Wire bow	238 694	57	Wire bow	238 694
500	Shim ring 8x14x0.5	023 501	58	Wire	237 940
501	Circlip	021 022	551	Screw KB 35x12	237 681
502	Grooved pin 2x6	243 172	552	Screw KB 40x8	236 227
			553	Compression spring 0.30x4.50x18.50	241 437
			554	Grooved pin 2x6	243 172



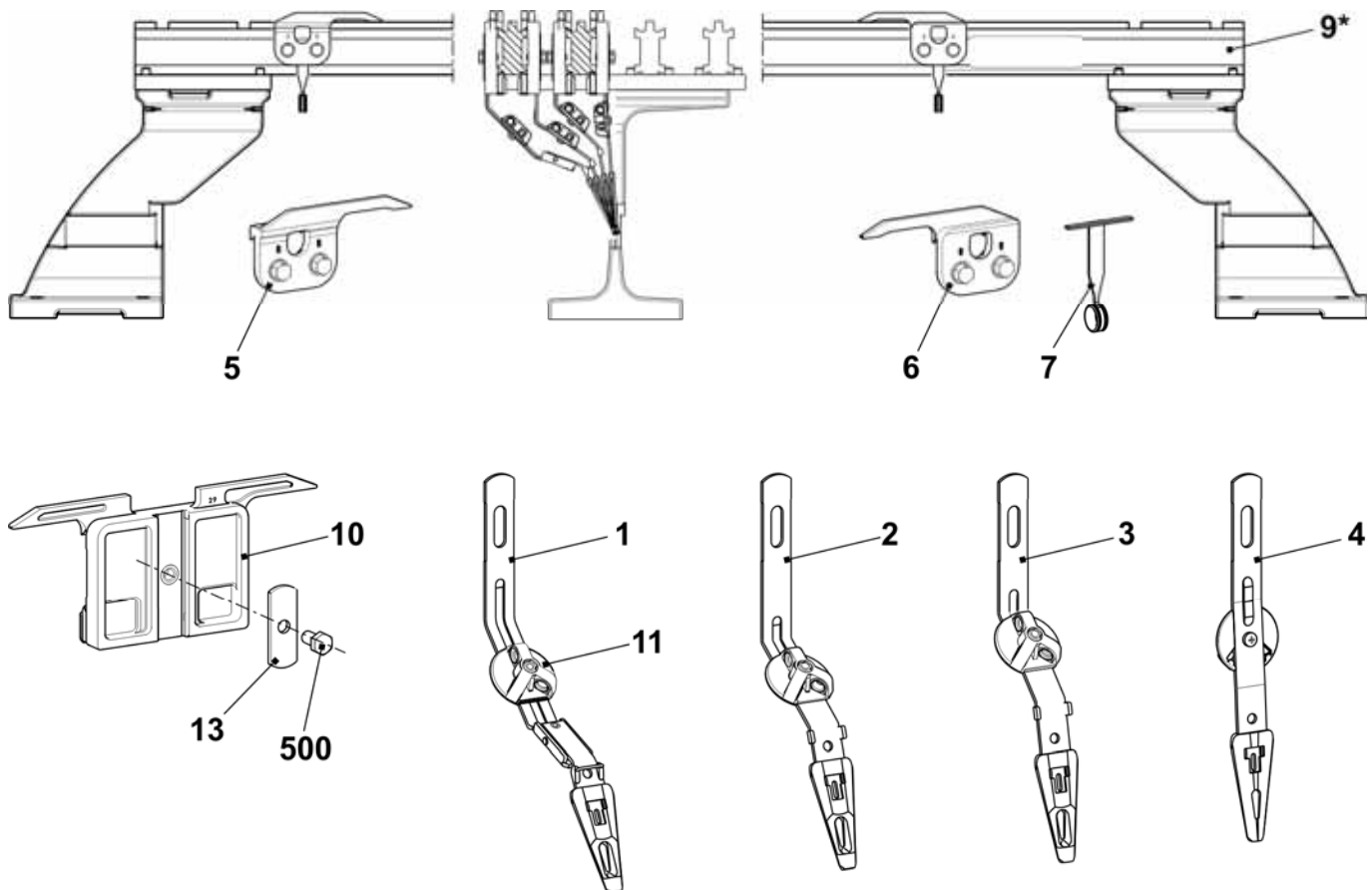
Bobbin board

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Bobbin board complete 45"	250 521			
1	Table	251 255	21	Support of right feed wheel	250 967
4	Support element	228 594	22	Sliding block	228 851
8	Card magnet switch protective hood	251 065	502	Countersunk screw M3x8	023 251
9	Card magnet switch protective hood	251 066	508	Spacer 3.2mm	250 614
10	Guide rail at the top	251 140	509	Countersunk screw M8x18	251 331
12	Positioning pin	251 050	511	Countersunk screw M5x8	239 408
15	Cable USB extension okc	240 317	512	Countersunk screw M8x16	023 113
20	Angle support display	250 508	514	Countersunk screw M4x8	251 011



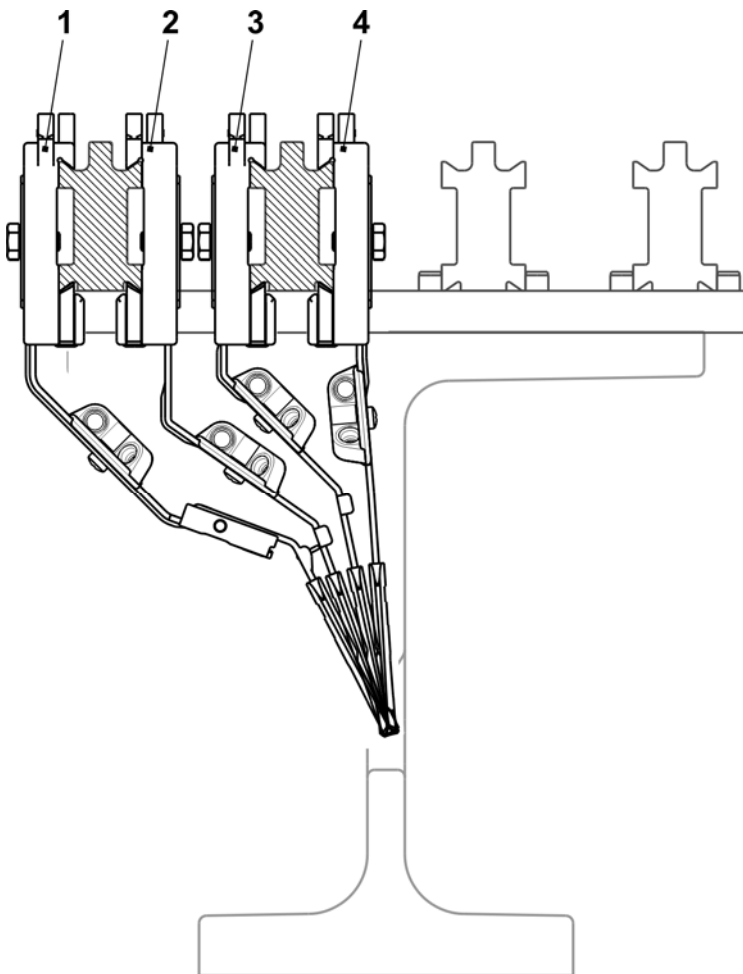
Yarn carrier and guide rails

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Yarn guide complete E5	250 674	E5 + E3,5.2		
	Yarn guide complete E7	250 675	1	YC bow 1+8 complete E5	212 990
	Yarn guide complete E10 – E14	250 676	2	YC bow 2+7 complete E5	212 992
	Yarn guide complete E3,5.2	250 972	3	YC bow 3+6 complete E5	212 991
	Yarn guide complete E6.2	250 973	4	YC bow 4+5 complete E5	212 993
	Yarn guide complete E7.2 + E6.2 (E12M.10)	250 974	E7 , E6.2 + E7.2		
5	Limiters on the left complete	244 099	1	YC bow 1+8 complete E7-8	212 892
6	Limiters on the right complete	244 098	2	YC bow 2+7 complete E7-8	212 914
7	Slider with eyelet	230 709	3	YC bow 3+6 complete E7-8	212 925
9*	Yarn carrier bar 50"	240 282	4	YC bow 4+5 complete E7-8	212 910
10	YC carriage complete	243 062	E10 - E14, E6.2 (E12M.10)		
11	Yarn guide wheel complete	209 257	1	YC bow 1+8 complete E10-14	212 994
13	Shim	213 035	2	YC bow 2+7 complete E10-14	212 996
500	Hexagon screw M5x10	020 351	3	YC bow 3+6 complete E10-14	212 995
			4	YC bow 4+5 complete E10-14	212 997



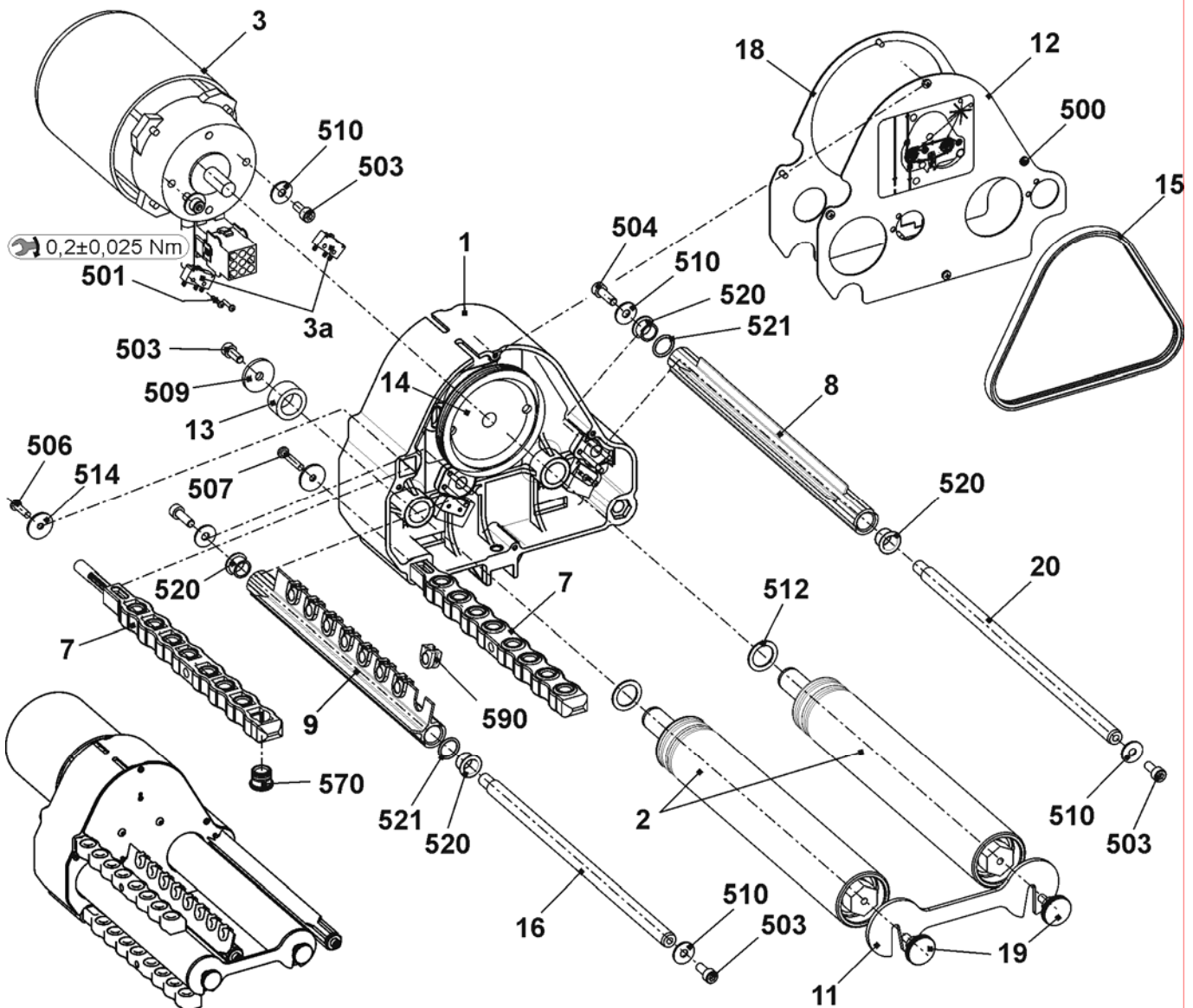
Complete yarn carriers

Pos	Designation	Track	Ident No	Pos	Designation	Track	Ident No
E5, E3,5.2				E10 - E14, E6.2 (E12M.10)			
1	YC carriage complete E5	1+8	243 935	1	YC carriage complete E10-14	1+8	243 943
2	YC carriage complete E5	2+7	243 934	2	YC carriage complete E10-14	2+7	243 942
3	YC carriage complete E5	3+6	243 933	3	YC carriage complete E10-14	3+6	243 941
4	YC carriage complete E5	4+5	243 932	4	YC carriage complete E10-14	4+5	243 940
E7 , E6.2 + E7.2							
1	YC carriage complete E7-8	1+8	243 939				
2	YC carriage complete E7-8	2+7	243 938				
3	YC carriage complete E7-8	3+6	243 937				
4	YC carriage complete E7-8	4+5	243 936				



Friction feed wheel

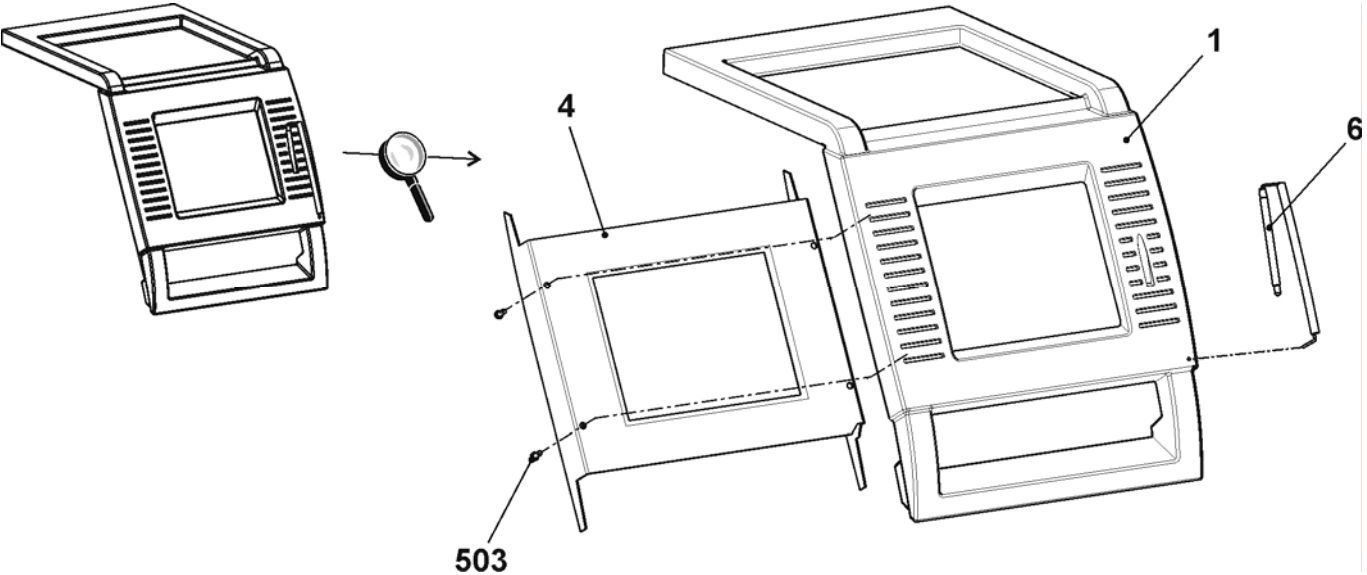
Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Friction feed wheel on the right complete	250 651	14	Ribbed V-belt pulley	221 268
1	Housing	240 368	15	Ribbed V-belt pulley V3J 406	206 927
2	Friction roller complete	231 704	16	Rod	221 319
3	Three-phase AC motor complete	219 800	18	Cover	230 758
3a	Microswitch	008 664	19	Knurled screw	223 361
6	Adhesive label on the right	223 358	20	Rod	230 658
7	Yarn guide rod complete	239 431	500	Screw KB30x8	236 228
570	Eyelet 8	021 504	501	Screw 20x10	244 736
8	Stop motion rail on the right complete	230 690	503	Cap screw M5x12	020 132
9	Stop motion rail on the right complete	230 682	504	Cap screw M5x16	022 726
520	Slide bearing	023 627	506	Screw KB 40x14	241 358
521	O-ring	244 895	507	Screw KB 40x25	241 595
590	Eyelet	230 662	509	Washer 5.3x22x2.5	023 219
11	Strap	221 316	510	Washer	020 901
12	Cover	230 759	512	Adjusting washer 15x21x1	023 216
13	Bush	221 391	514	Washer 4.3	020 908



Operation and control

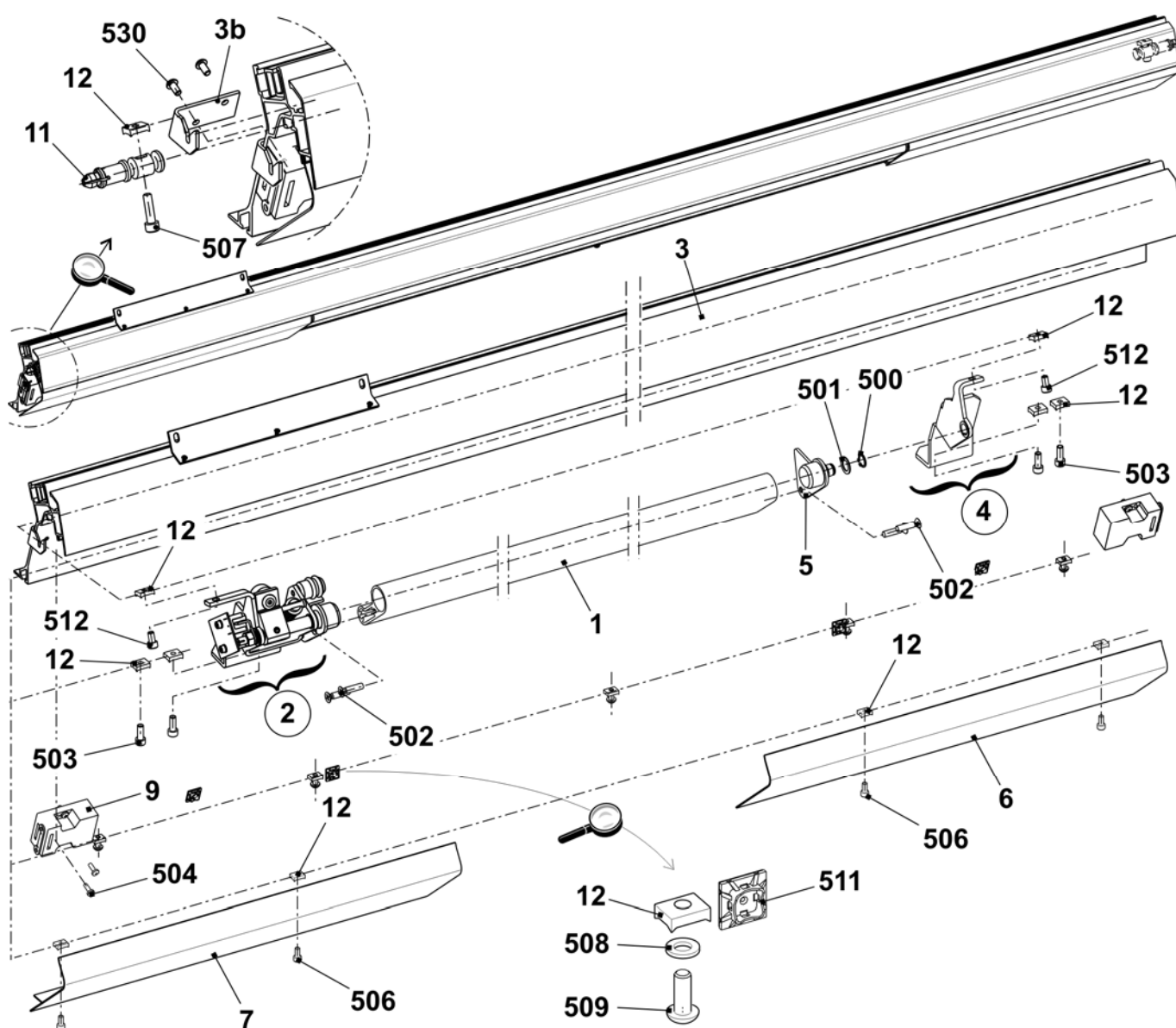
Input unit

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Input unit complete	250 610			
1	Base frame	240 195	6	Touch pen	242 812
4	Display touch screen	250 298	503	Screw KB 50x12	240 359



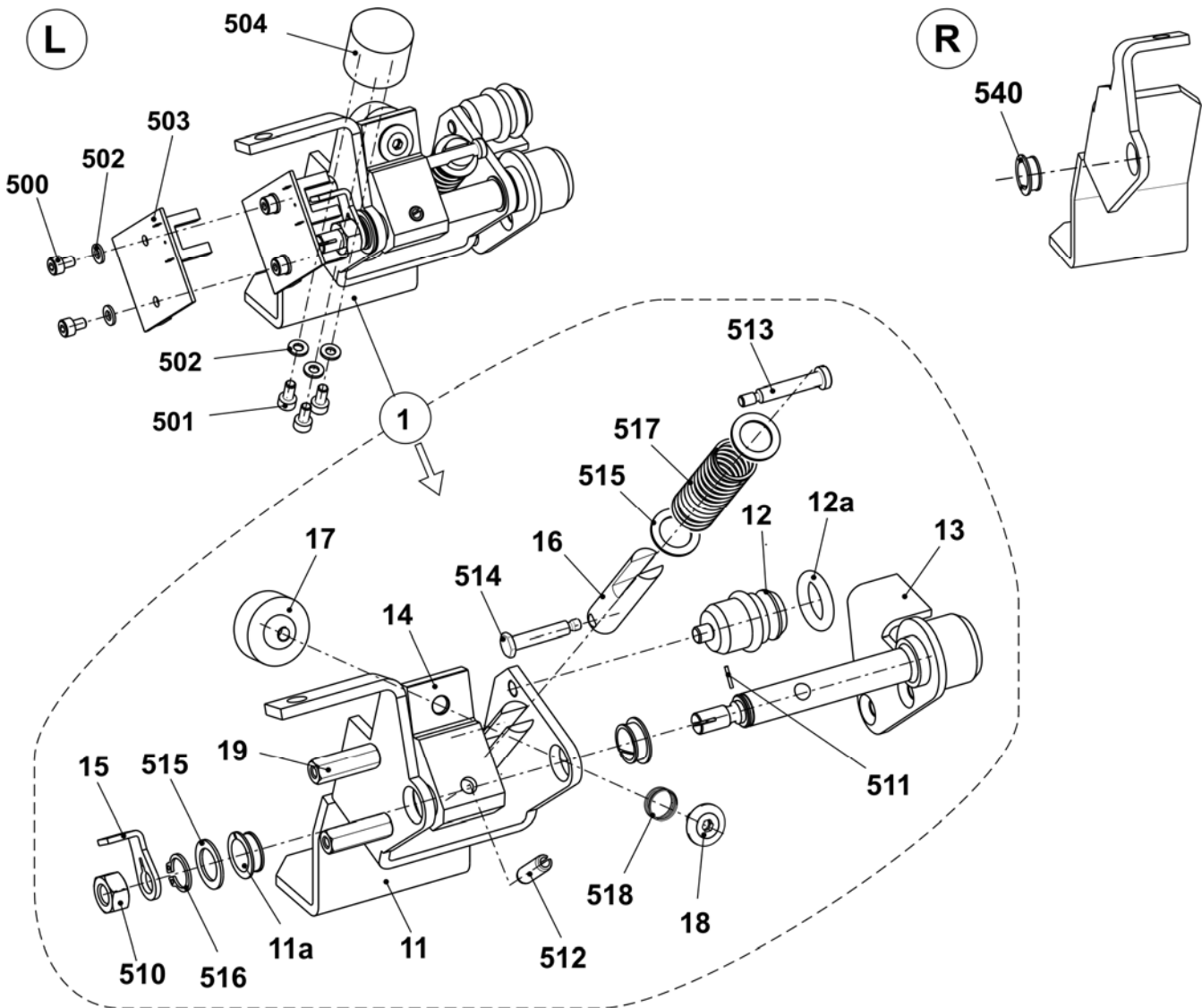
Starting unit

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Starting unit complete	250 662	500	Locking ring 12x1	020 951
1	Engaging rod	240 227	501	Shim ring 12x18x1	023 315
2	Bearing on the left complete	250 071	502	Screw M6x25	023 510
3	Guide rail at the bottom complete	250 555	503	Cap screw M6x16	020 135
3b	Support angle for safety cover	250 557	504	Countersunk screw M5x14	023 588
4	Bearing on the right complete	240 230	506	Cap screw M6x12	020 134
5	Shaft on the right	242 888	507	Cap screw M6x20-12.9	020 136
6	Cover plate on the right	250 931	508	Washer	020 872
7	Cover plate on the left	250 932	509	Countersunk screw M6x16	023 124
9	Switch with cable to protective hoods	223 350	512	Cap screw M6x10	023 690
11	Fixing bolt	219 107	511	Adhesive base	243 055
12	Sliding nut (sliding block)	225 099	530	Countersunk screw M5x10	023 247



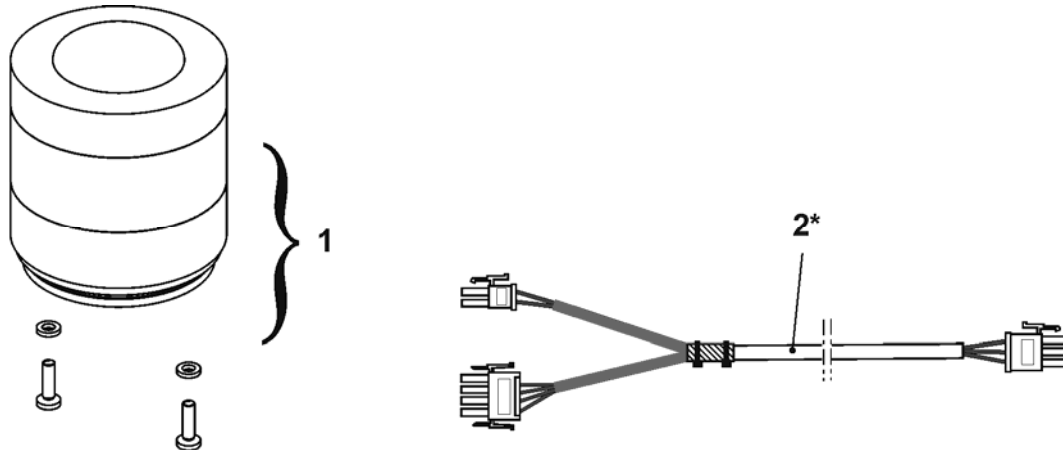
Bearing of the engaging rod

Pos	Designation	Ident No	Pos	Designation	Ident No
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	503	Card engaging OKC	240 167
1a	Clip bearing MCM12-04	023 639	504	Adhesive magnet direct current	026 233
2	Support buffer	220 561	505	Hexagon nut M8-6	020 838
2a	O-ring 14x4	023 237	506	Dowel pin 1.5x8	236 923
3	Shaft on the left	245 219	507	Spring dowel sleeve 6x20	023 719
4	Rotor	245 223	508	Shoulder screw M4x24.8x7.7	240 299
5	Switch flag	245 220	509	Shoulder screw	251 316
6	Spring pin	251 340	510	Shim ring 12x18x1	023 315
7	Disc	245 222	511	Locking ring 12x1	020 951
8	Shoulder screw	245 224	512	Compression spring 1.25x15x98.2	023 609
9	Distance bolt	240 287	513	Compression spring 0.5x11x12	251 369
500	Cap screw M4x6	023 067			
501	Cap screw M4x8	022 501	R	Bearing on the right complete	240 230
502	Shim ring 4x8x1	023 369	540	Clip bearing MCM 12-04	023 639



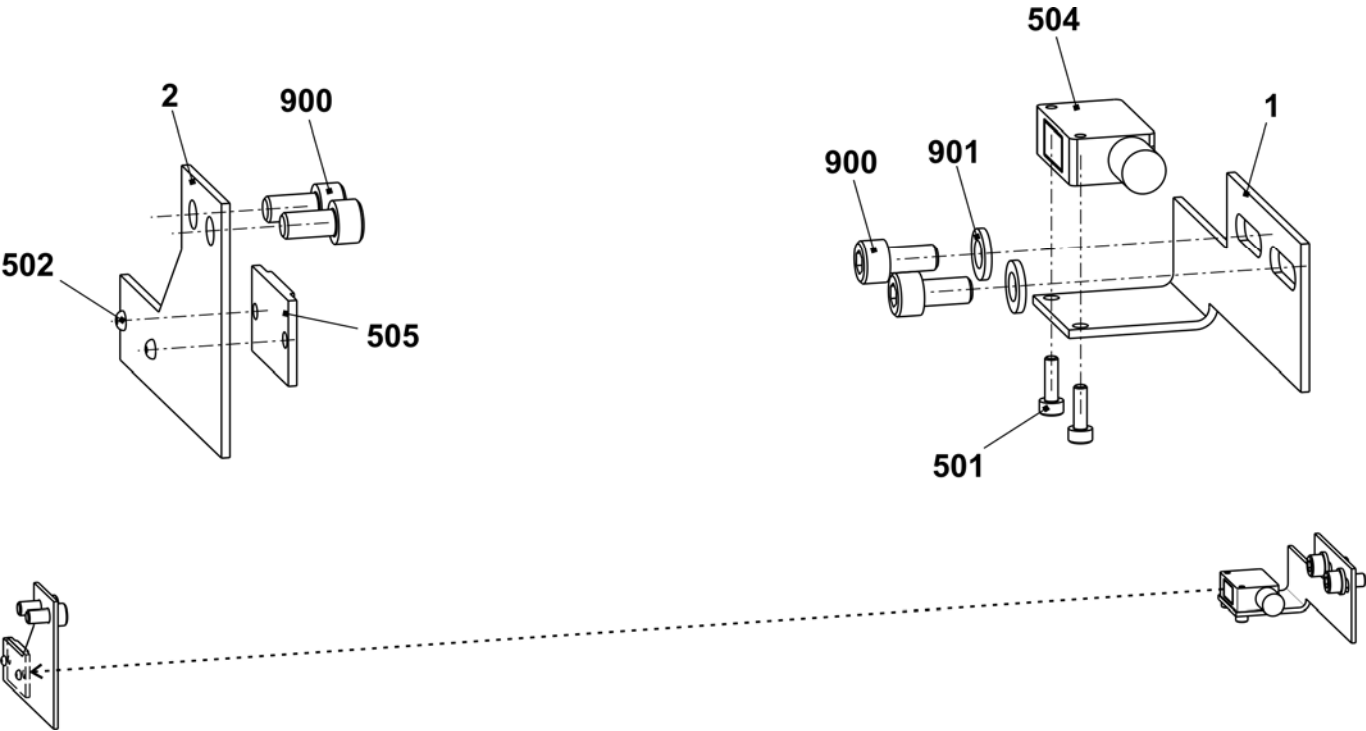
Signal light

Pos	Designation	Ident No	Pos	Designation	Ident No
1	Warning light LED	250 205	2*	Cable warning light LED	241 578



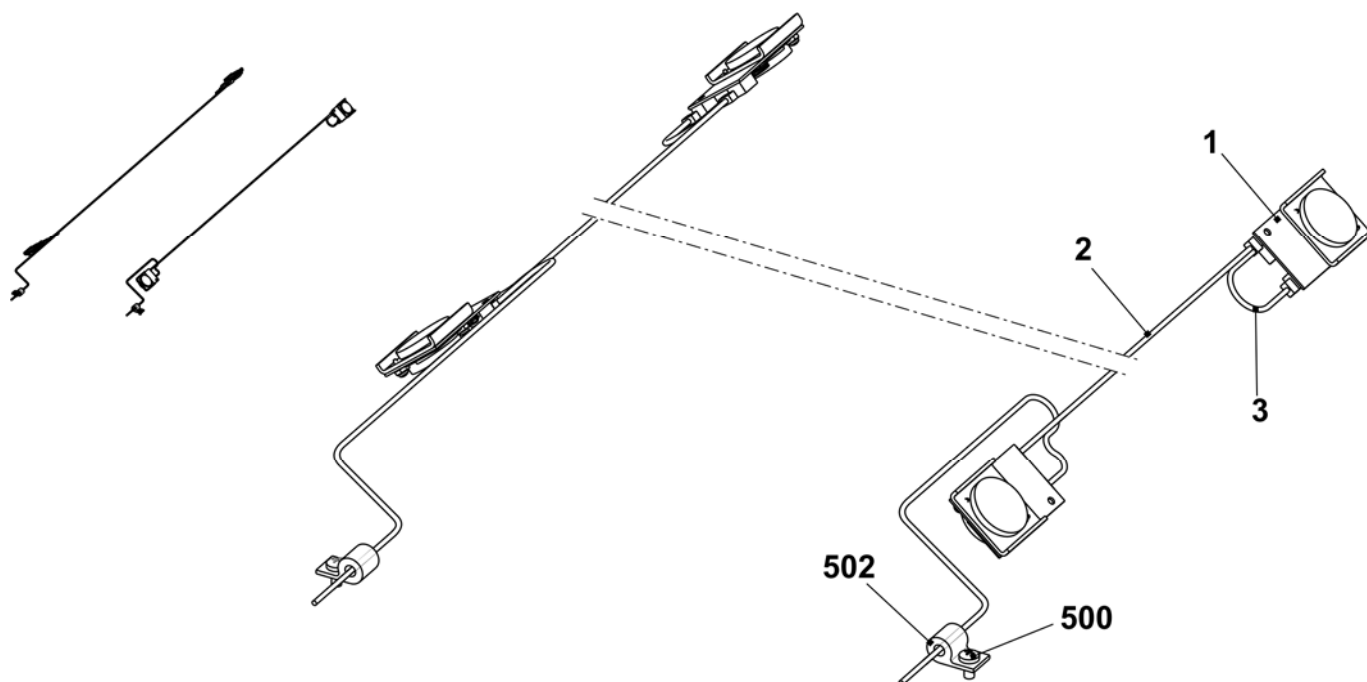
Collecting area - control

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Collecting area - control	240 157	504	Photoelectric sensor WI100-P4330	243 355
1	Angle support photoelectric sensor	243 353	505	Reflector 20x20 mm	243 356
2	Mounting plate reflector	243 354	900	Cap screw M6x12	020 134
501	Cap screw M3x10	022 991	901	Washer	020 872
502	Blind rivet A3x8-AI	023 158			



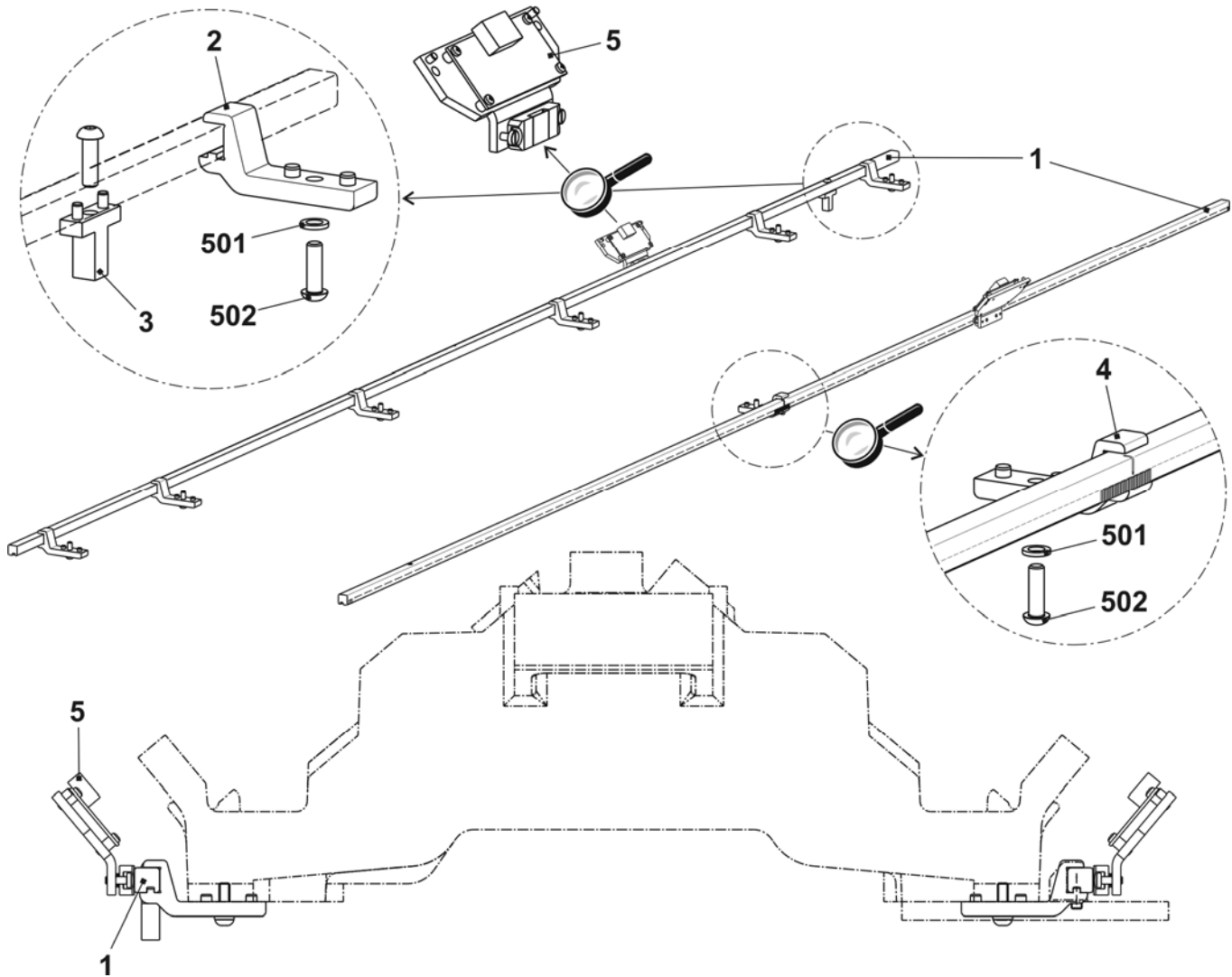
Shock stop motion

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Shock stop motion complete	241 819	3	End plug piezo sensor	220 053
1	Shock stop motion (Piezo)	220 011	500	Countersunk screw M4x8	023 036
2	Connecting cable piezo sensor	220 061	502	Cable clip N-3B, 5 mm	210 729



Measuring device

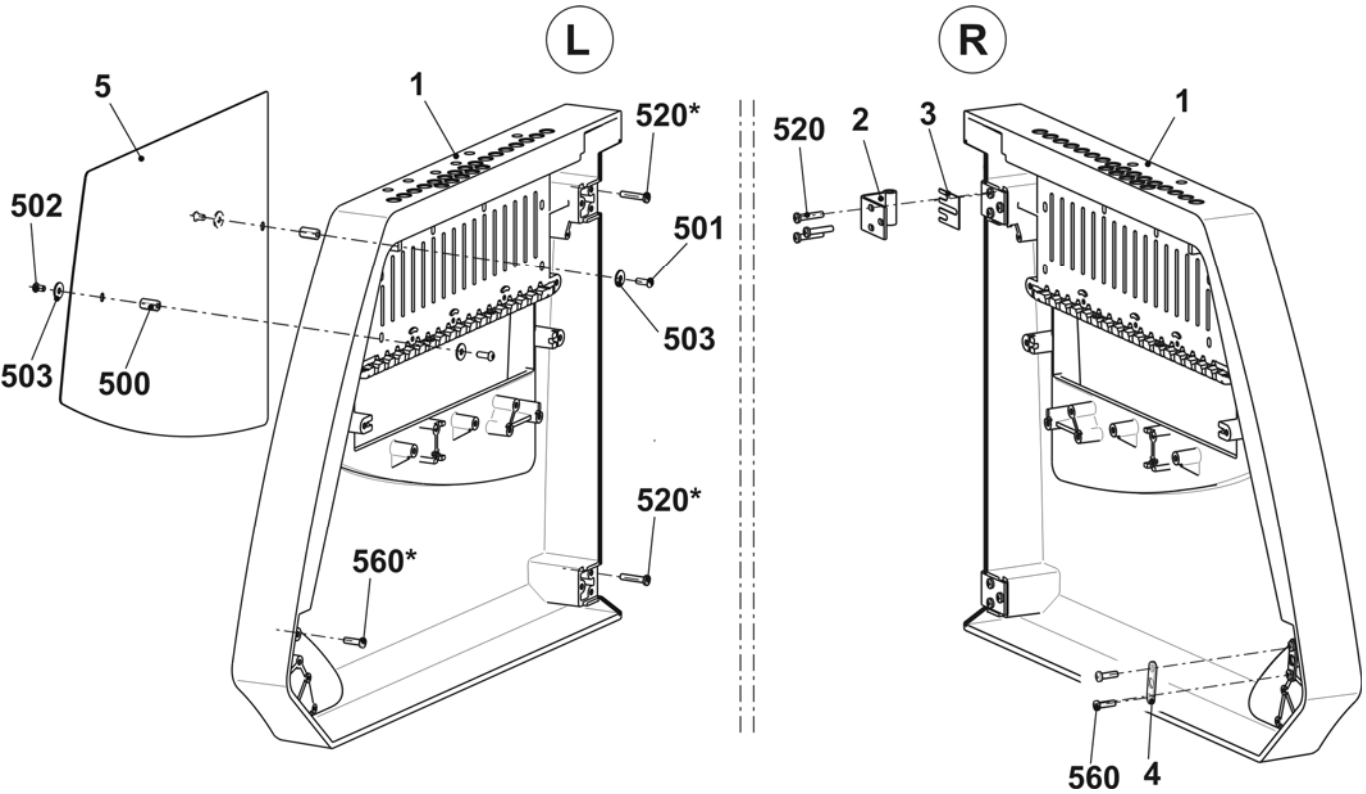
Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Measuring device	240 661	5	Measuring head complete	240 562
1	Measuring bar	240 229			
2	Guidance	212 210			
3	Stop point	209 289			
4	Guidance	240 672			
501	Washer	020 881			
502	Countersunk screw	241 603			



Protective units

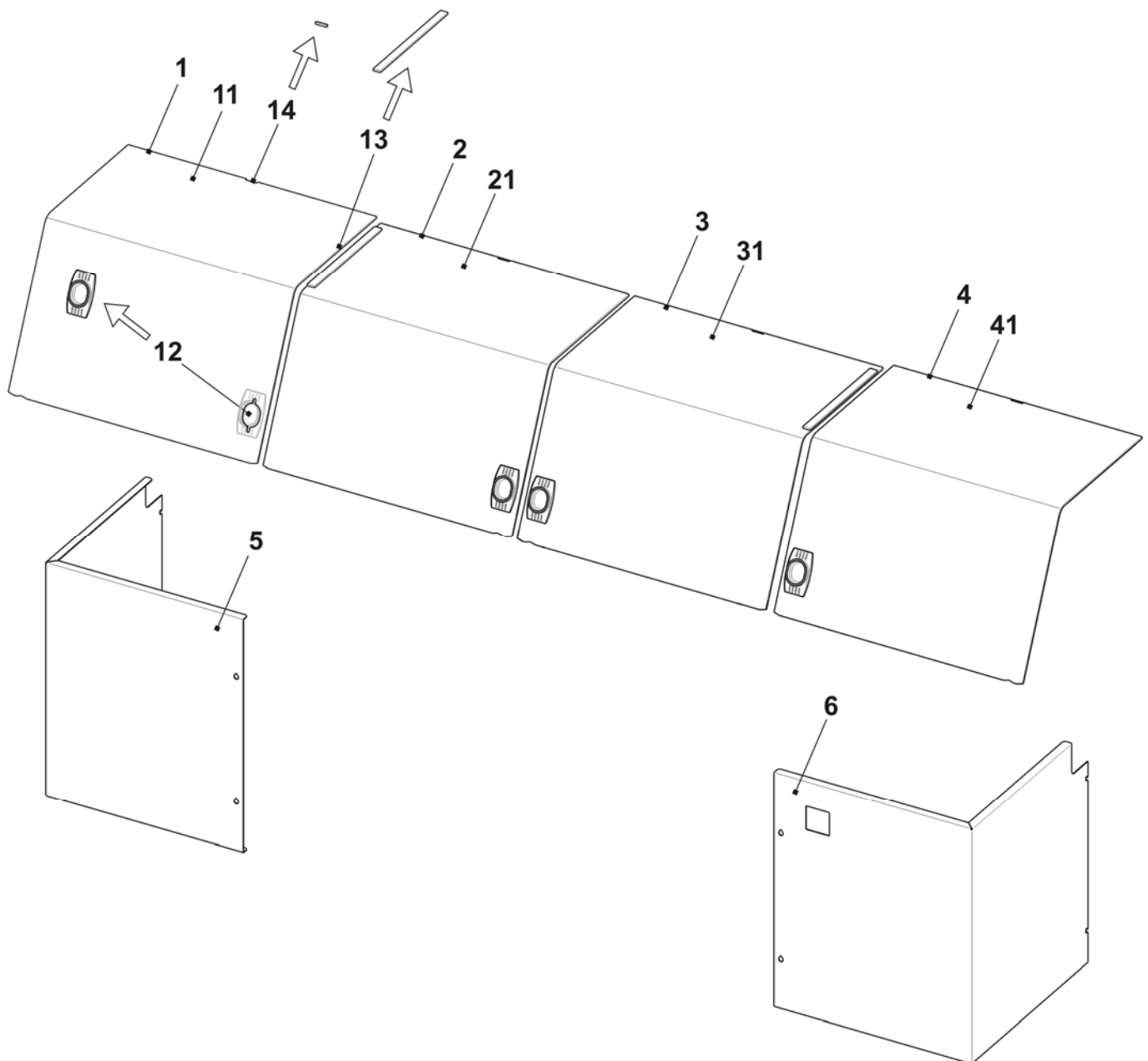
Lateral safety covers

Pos	Designation	Ident No	Pos	Designation	Ident No
ΣL	Safety cover on the left complete		ΣR	Safety cover on the right complete	
	E5 – E14	250 383		E3 – E5	250 998
1	Safety cover on the left	250 562		E7 – E8	250 606
5	Cover of safety cover	250 188		E10 – E18	250 586
500	Distance bolt 6KT M6x20	250 192	1	Safety cover on the right	250 563
501	Countersunk screw M6x16	023 124	2	Hinge	241 994
502	Countersunk screw M6x10	023 183	3	Plate	224 717
503	Washer 6	022 537	4	Locking plate	219 748
520*	Screw KB 60x30	237 683	520	Screw KB 60x30	237 683
560*	Screw KB 60x20	237 682	560	Screw KB 60x20	237 682



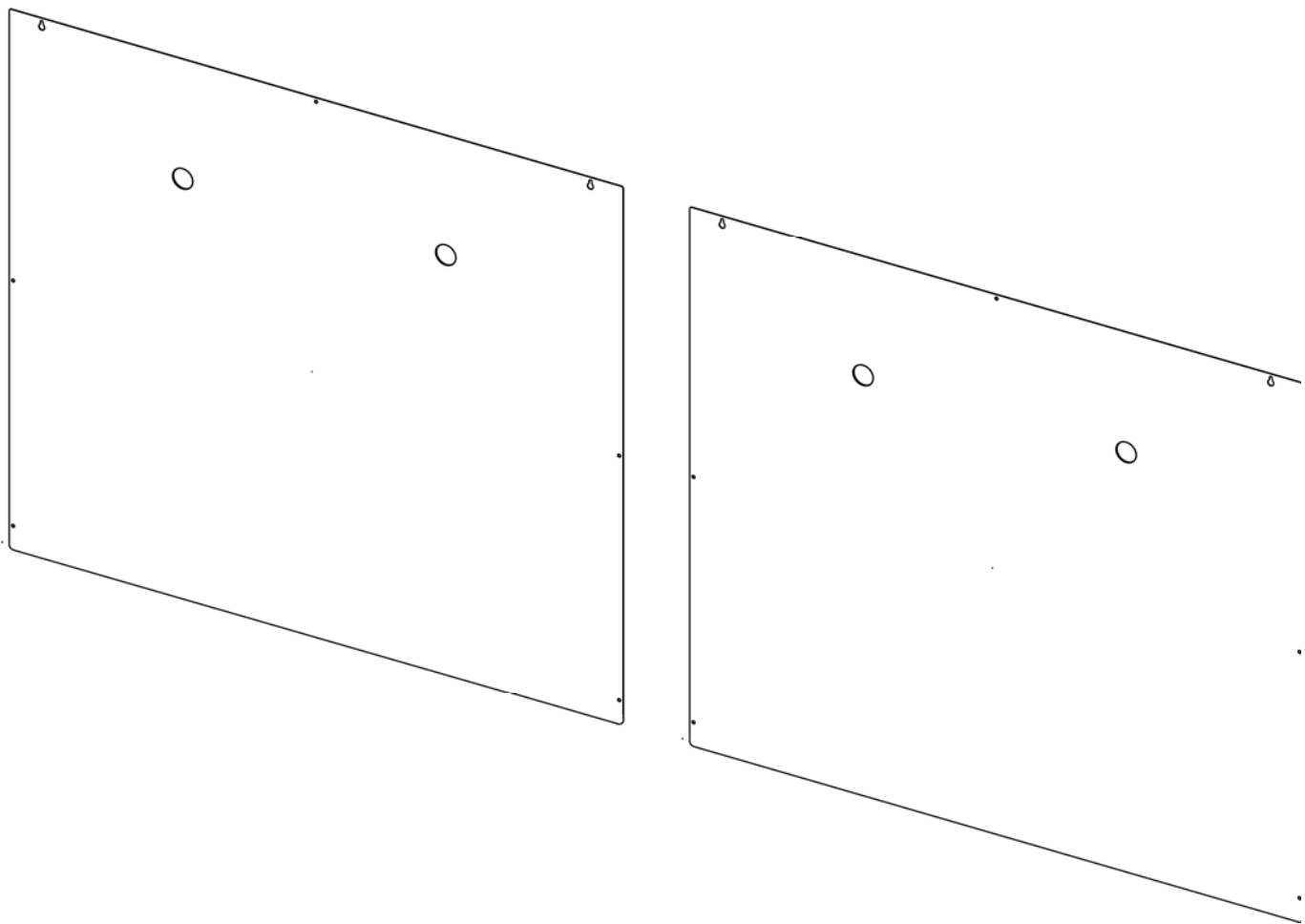
Panelling

Pos	Designation	Ident No	Pos	Designation	Ident No
1	Cover 1 complete	250 680	3	Cover 3 complete	250 682
	11 Cover 1	250 684		31 Cover 3	250 686
	12 Inlet type handle	251 376		- Inlet type handle	251 376
	13 Stripper	219 393		- Stripper	219 393
	14 Magnet	204 666		- Magnet	204 666
2	Cover 2 complete	250 681	4	Cover 4 complete	250 683
	21 Cover 2	250 685		41 Cover 4	250 687
	- Inlet type handle	251 376		- Inlet type handle	251 376
	- Stripper	219 393		- Stripper	219 393
	- Magnet	204 666		- Magnet	204 666
5	Control unit panelling on the left	250 265	6	Control unit panelling on the right	250 266



Rear panel

Pos	Designation	Ident No	Pos	Designation	Ident No
1	Panelling at the rear	251 370			

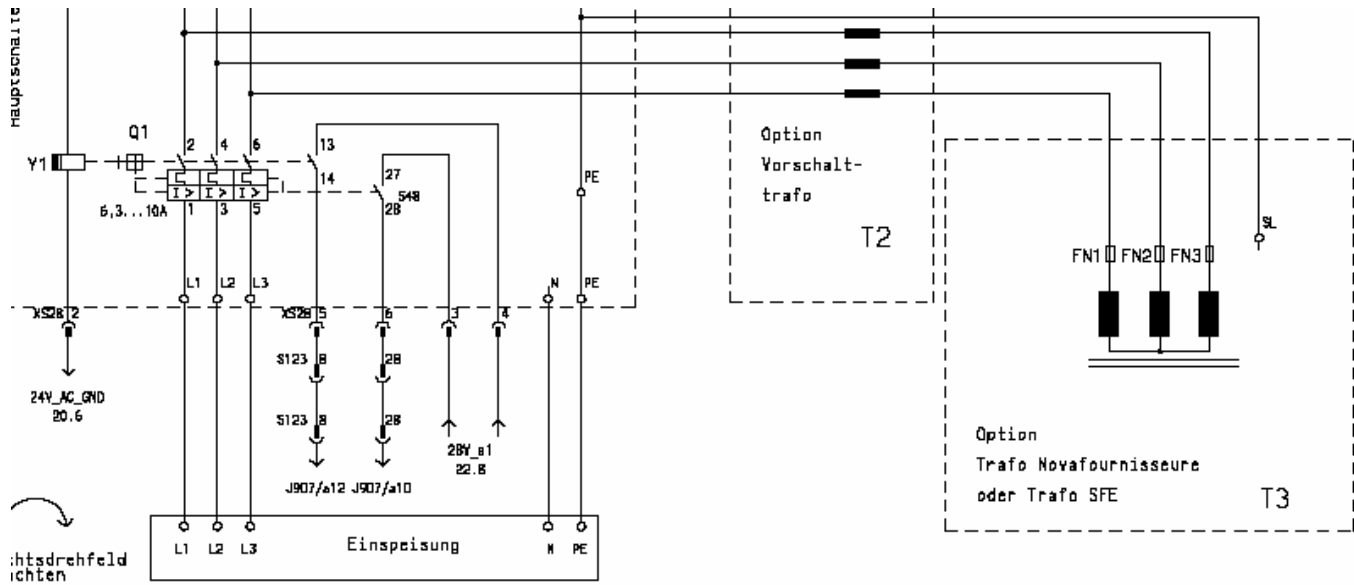


Electrical equipment

Circuit diagram as PDF

Designation	Ident No	Identification
Circuit diagram 219 German	243 991	DE
Circuit diagram 219 English	243 991	GB
Circuit diagram 219 Chinese	243 991	CN

You will find the circuit diagram 219 on the CMS documentation DVD with the identification number 242283



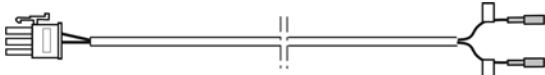
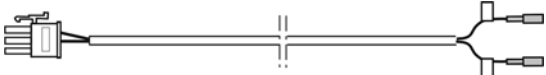
Fuses

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

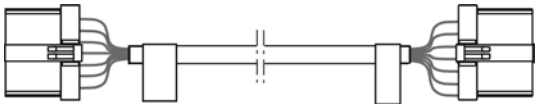
Trailing cable

Designation	Ident No	Designation	Ident No
Trailing cable set 520 okc	240 530		
Cable impulse giver at the rear XL136	240 521	Cable SM at the rear S325	240 531
Cable impulse giver at the front XL137	240 522	Cable SM at the front S327	240 532
Cable yarn carrier XL161	241 837	Cable signal at the rear S326	240 533
		Cable signal at the front S328	240 234

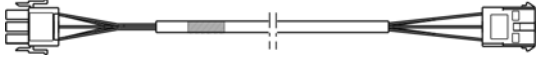
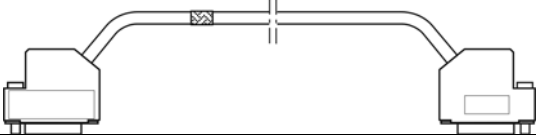
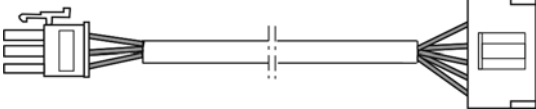
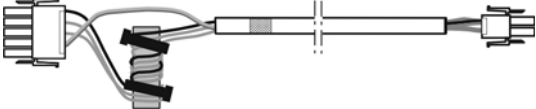
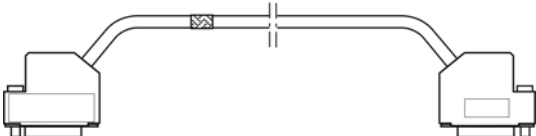
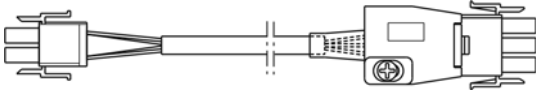
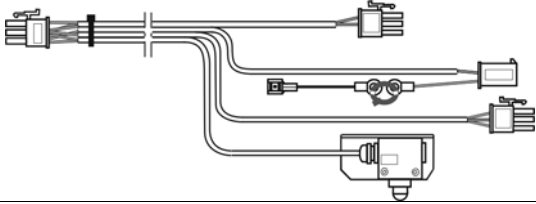
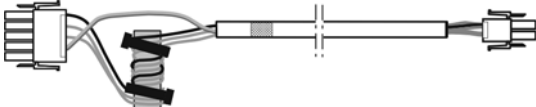
Cable set installation

Designation		Ident No	Designation		Ident No
Σ	Cable set installation 5XXE okc	250 359			
1	Loom of cables base 1 ECO okc	250 360	3	Loom of cables 50" ECO okc	250 362
2	Loom of cables base 2 OKC	240 257	4	Loom of cables comb OKC	240 259
8	Cable Piezo needle bed OKC	240 518	10	Cable switch main take-down 50" OKC	240 537
					

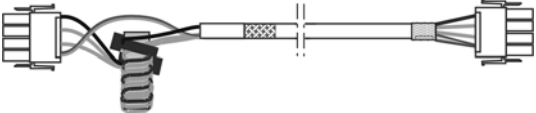
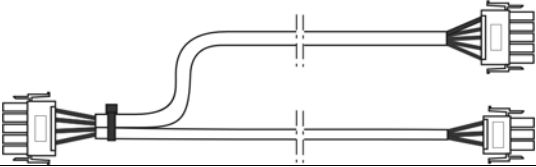
Loom of cables base 1 ECO

Designation		Ident No	Designation		Ident No
Σ	Loom of cables base 1 OKC	250 360			
	Cable engaging OKC 3XX	240 289		Cable limit switch drive on the left ECO okc	250 361
					
	Cable mains supply FKE lamp OKC	240 290			
					

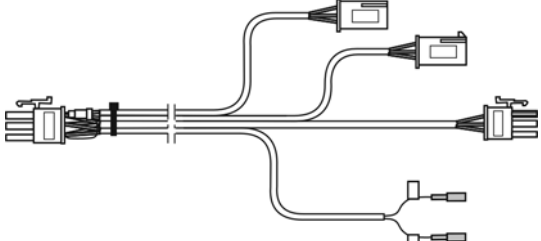
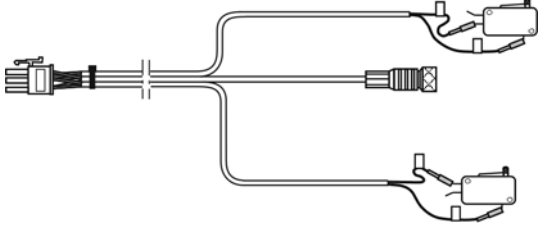
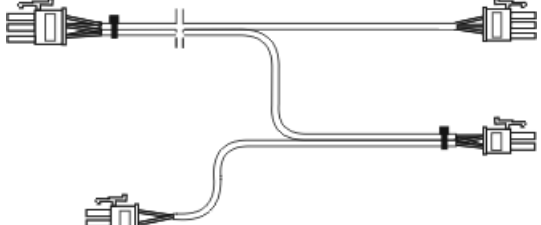
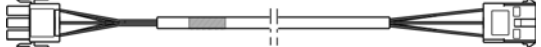
Loom of cables base 2 OKC

Designation	Ident No	Designation	Ident No
Σ Loom of cables base 2 OKC	240 257		
Cable motor HIAB OKC	240 291	Cable resolver drive OKC	240 296
			
Cable limit switch racking OKC 3xx	240 292	Cable racking motor OKC 3xx	240 297
			
Cable ventilator drive 3xx OKC	240 293	Cable resolver racking OKC 3xx	240 298
			
Cable feed wheel on the right / on the left OKC	240 294	Cable protective unit on the right OKC	238 706
			
Cable drive motor okc 3xx	240 295		
			

Loom of cables 50" ECO

Designation	Ident No	Designation	Ident No
Loom of cables 50" ECO okc	250 362		
Cable CAN 50" okc	240 459	Cable power supply Servo 50" okc	240 502
			
Cable electro 50" OKC	238 703	Cable power supply of mains supply OKC	240 505
			
Cable power supply WAZ/F 50" OKC	250 354		
			

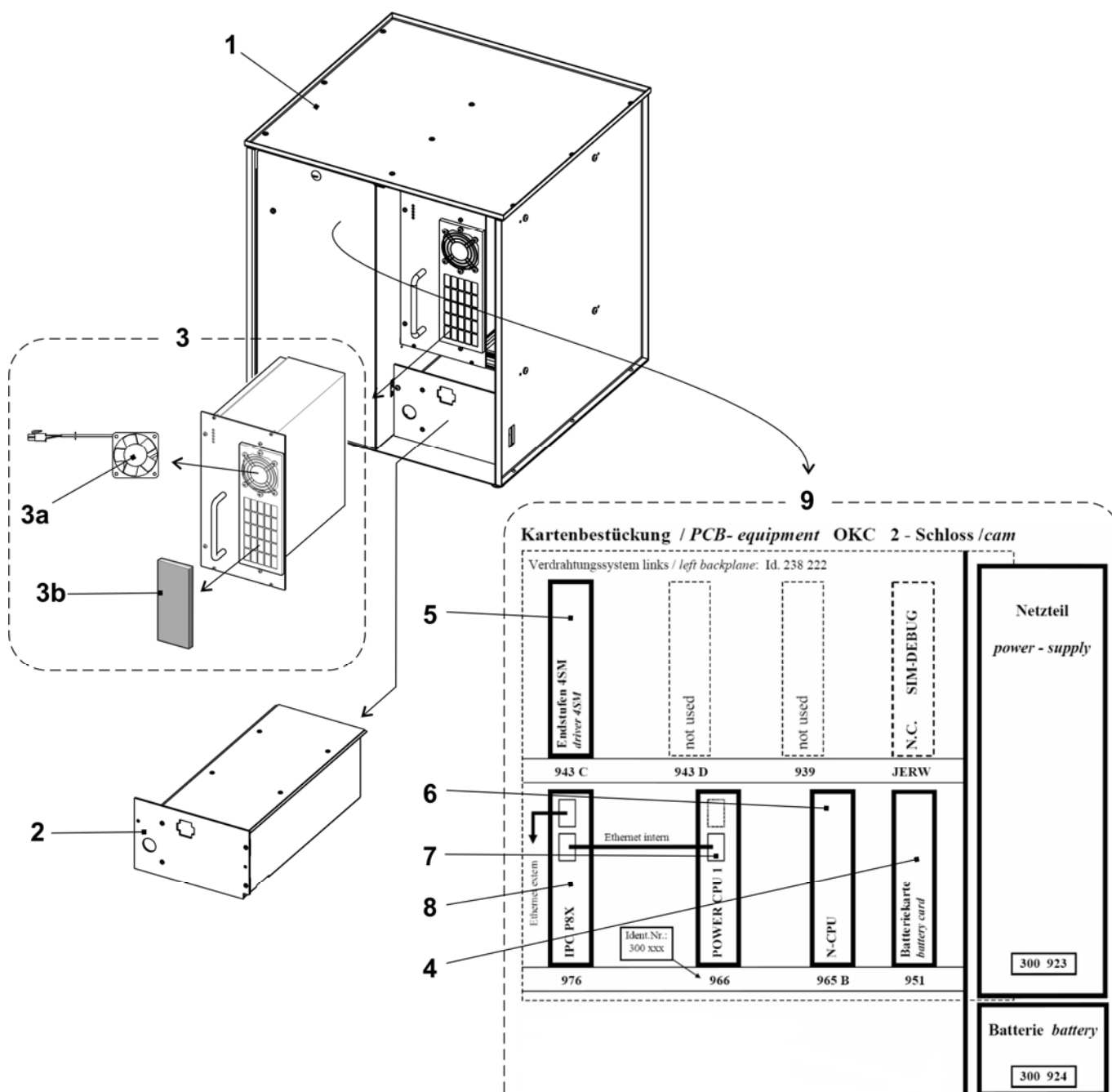
Loom of cables comb

Designation	Ident No	Designation	Ident No
Σ Loom of cables comb OKC	240 259		
Cable motor comb hook OKC	240 308	Cable switch comb OKC	240 311
			
Cable switch KAHA OKC	240 309	Cable switch HAAB OKC	240 312
			
Cable motor comb OKC	240 310		
			

Control electronics

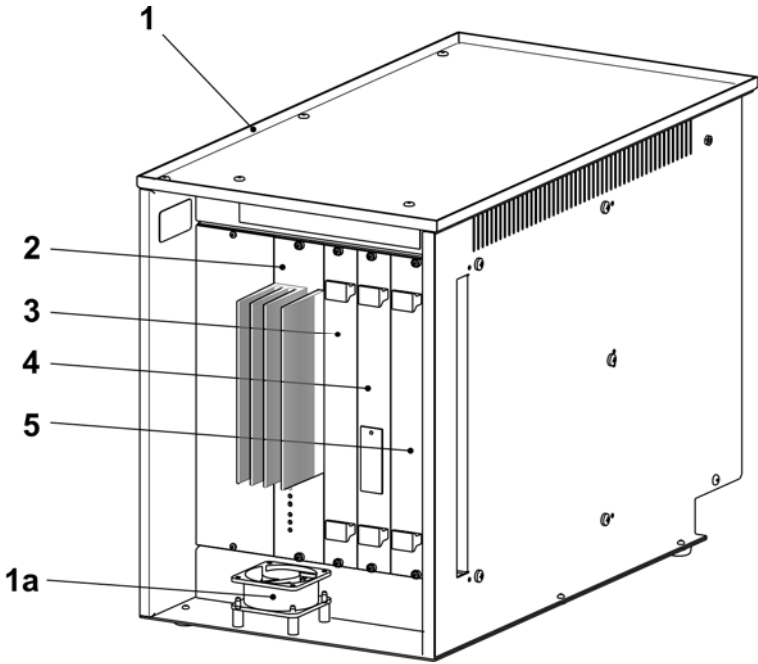
Left control cabinet

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Control unit on the left complete 420E	250 308	4	Card Battery OKC	300 951
1	Control unit on the left without equipment	250 307	5	Card amplifier 4SM 7TE	300 943
2	Battery plug-in unit	300 924	6	Card N-CPU 432	300 965
3	Power supply CG54	300 923	7	Card Power CPU 1	300 966
3a	Ventilator power supply	239 305	8	Card IPC P8X OKC	300 976
3b	Filter mat CG54	239 350	9	Adhesive label of card equipment	240 769



Right control cabinet

Pos	Designation	Ident No	Pos	Designation	Ident No
Σ	Control unit on the right complete OKC	250 306			
1	Control unit on the right without equipment	238 737	3	Card relay OKC	300 953
	1a Axial ventilator Servo05	229 059	4	Card CWAZ EC	301 004
2	Card servo 6	301 000	5	Card CWAZ capacitor	301 005



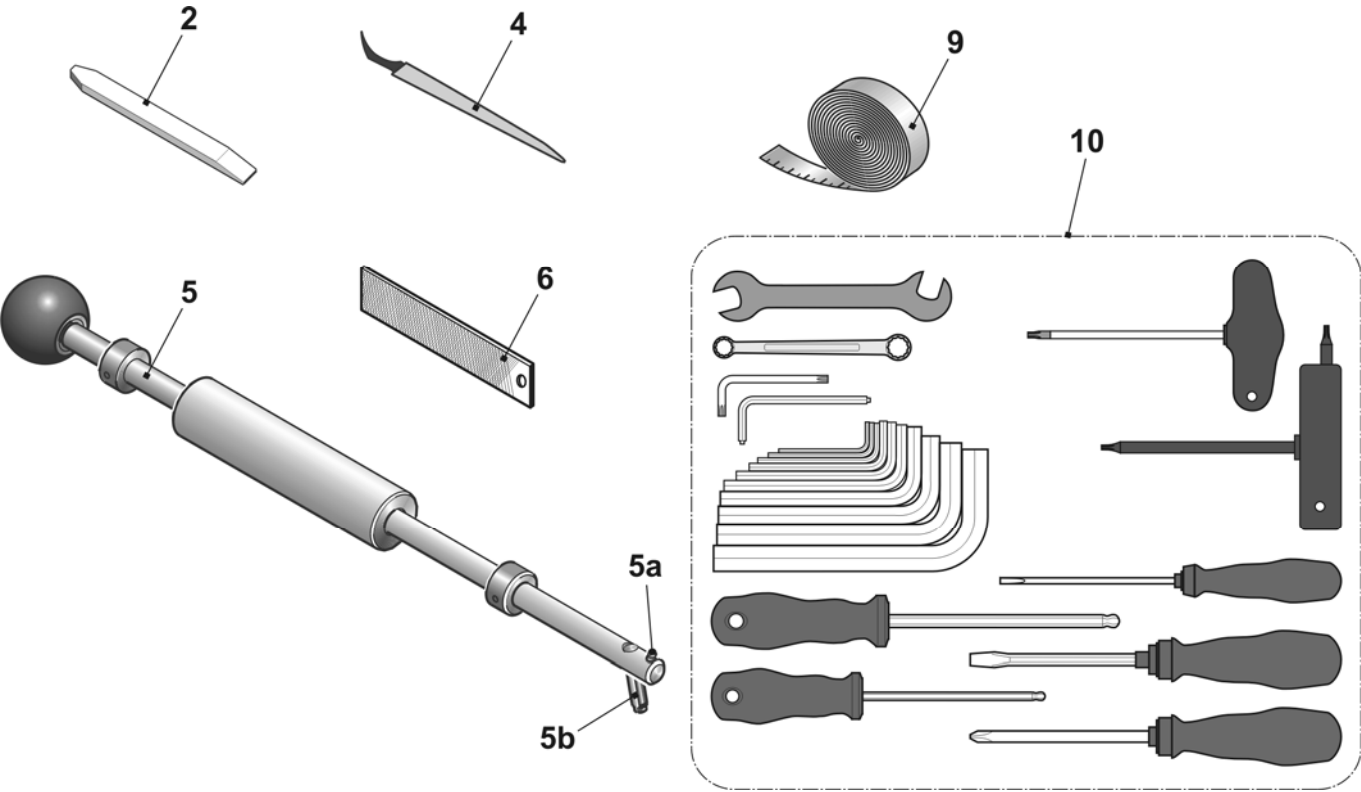
Deliverable accessories

You can order the following tools, lubricants and expendables.

The following list is not conformed with the scope of delivery of the knitting machine.

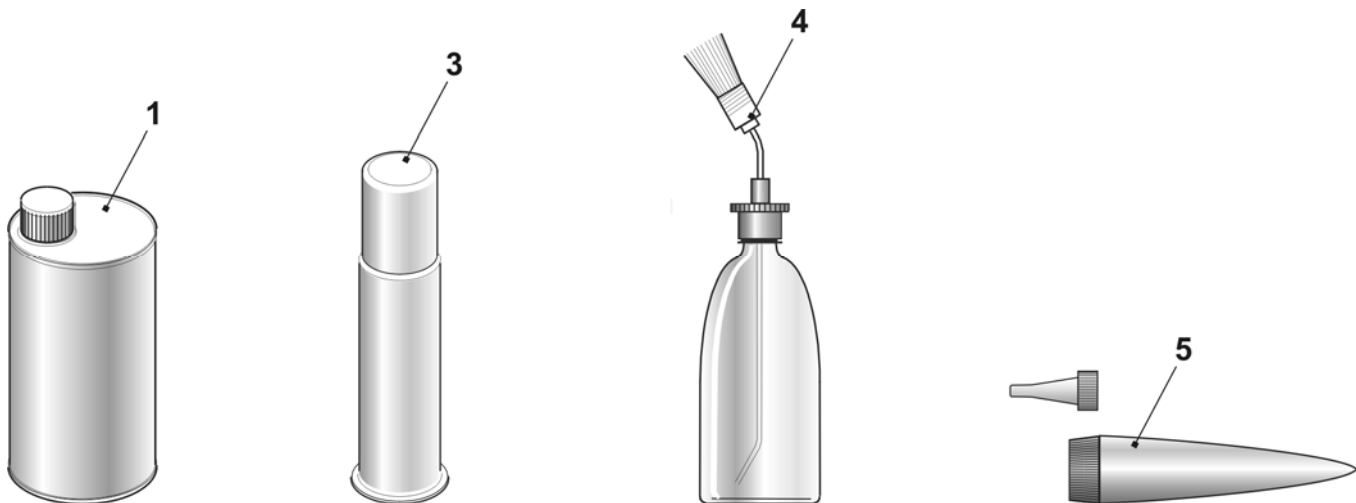
Tool

Pos	Designation	Ident No	Pos	Designation	Ident No
2	Channel chisel E5/7/3.2	062 317	6	Groove file 1.25mm E5/73,5.2	006 170
	Channel chisel E12/14/6.2/7.2/6.2(12m.10)	062 318		Groove file 0,73mm E12/14/6.2/6.2(12m.10)	006 173
4	Working hook	227 249		Groove file 0,65mm E7.2	006 174
5	Extraction hook	232 027	9	Measuring tape L=150 cm	228 180
	5a Small pin	202 843	10	Tool kit	209 527
	5b Pin	232 022			



Lubricating stuff

Pos	Designation	Ident No	Pos	Designation	Ident No
1	Textile machines oil T46, 1l	230 614	4	Oil combifix no. 8/10 group 10	216 732
3	Grease OKS 475, 150g	005 351	5	White grease paste OKS270	229 372



Mechanical parts

Pos	Designation	Ident No	Pos	Designation	Ident No
1	Cap screw M4x8	020 091	11	Cable binder 203x3.6 mm	025 815
2	Countersunk screw ISO 2009 - M3x6	020 286		Cable binder T50L	026 294
3	Cap screw DIN 912 - M5x16	022 726		Cable binder	008 379
4	Cap screw DIN 912 - M6x14	022 658		Cable binder 302x4.8 mm	008 642
5	Set screw DIN 914 - M16x50-45H	023 235		Cable binder 92x2.4mm	008 378
6	Setting pin 3x7	020 643	12	Reusable tie ABV 232 320 mm	026 557
7	Setting pin 3x10	020 645			
8	Setting pin 3x12	020 647			
9	Setting pin 5x12	021 988			
10	Setting pin 5x18	022 622			

