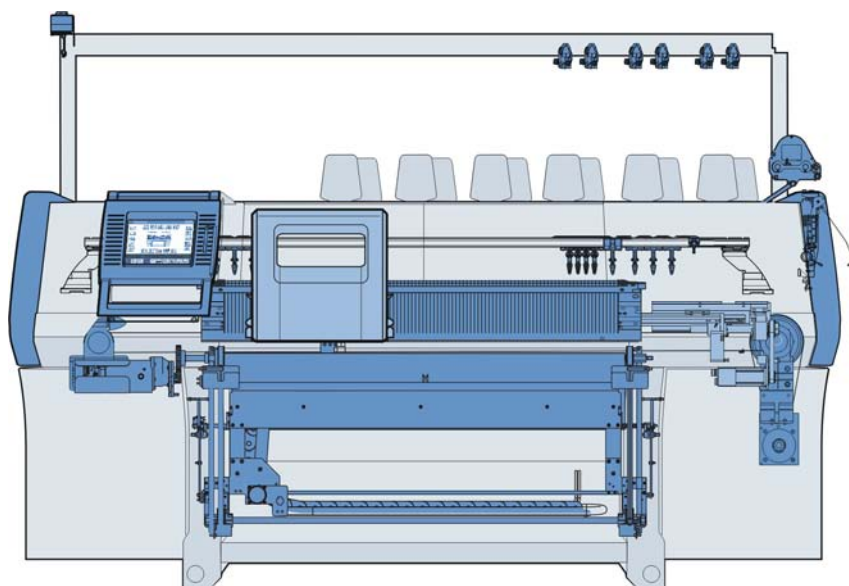


Spare Parts Catalog

CMS 420 E

Component type 001



Document-No. 252729_01_GB

Issue 11/2008

Impressum

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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., designation, id, 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

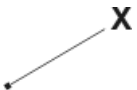
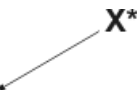
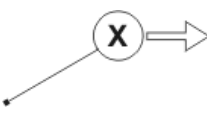
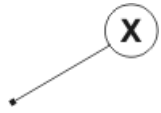
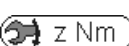
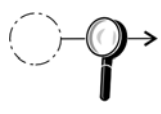
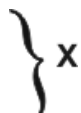
Page no.	Designation	Ident no.	Piece no.	Comment

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.
	Explosion representation, single elements enlarged.
	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 Clases de resistencia		
		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filetto regolatore Filete regulador	M3	0,6	1,2	2,5
	M4	1,2	2,5	5
	M5	2,5	5	9
	M6	5	9	18
	M8		18	40
	M10		40	
	M12		80	

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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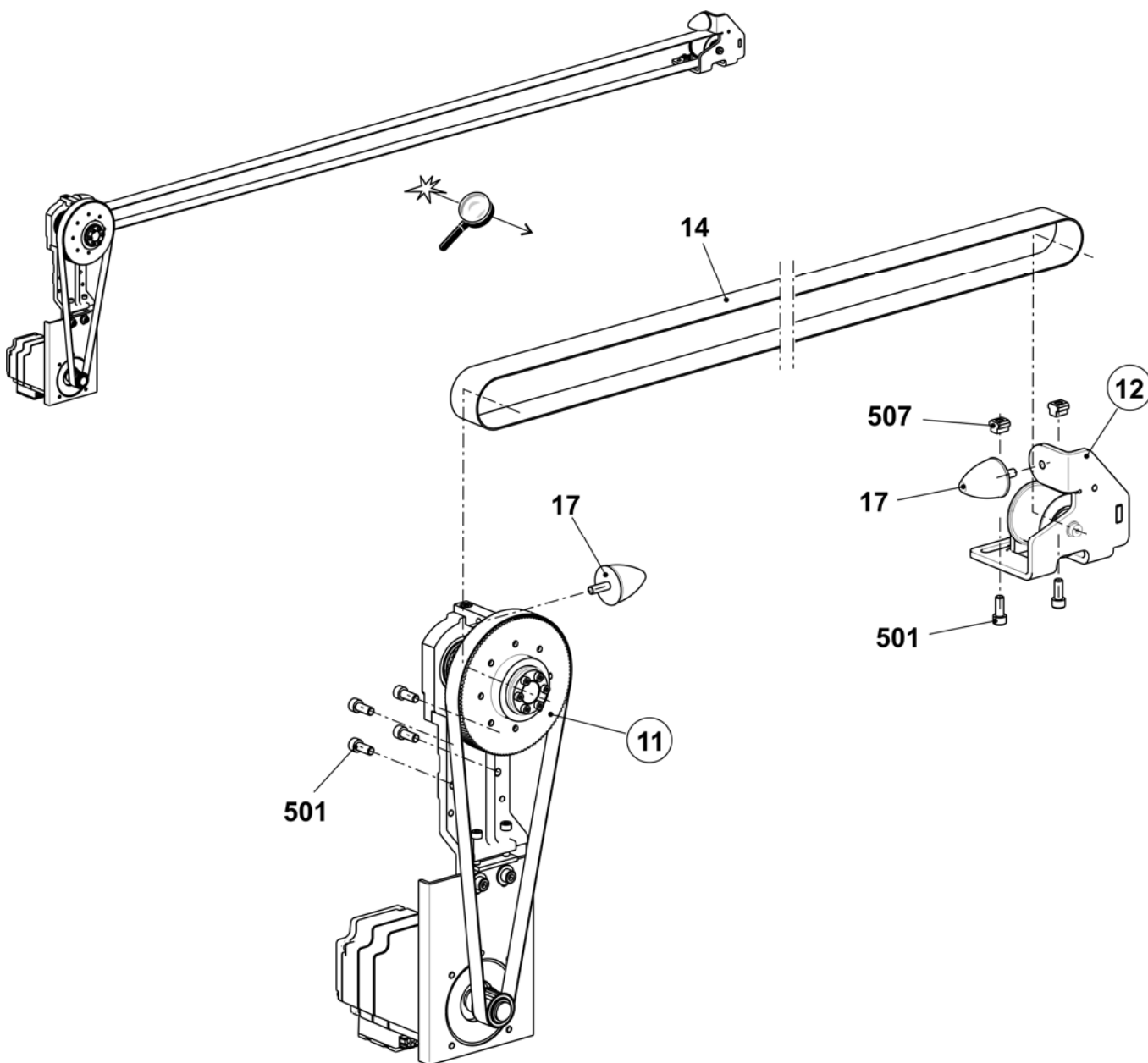
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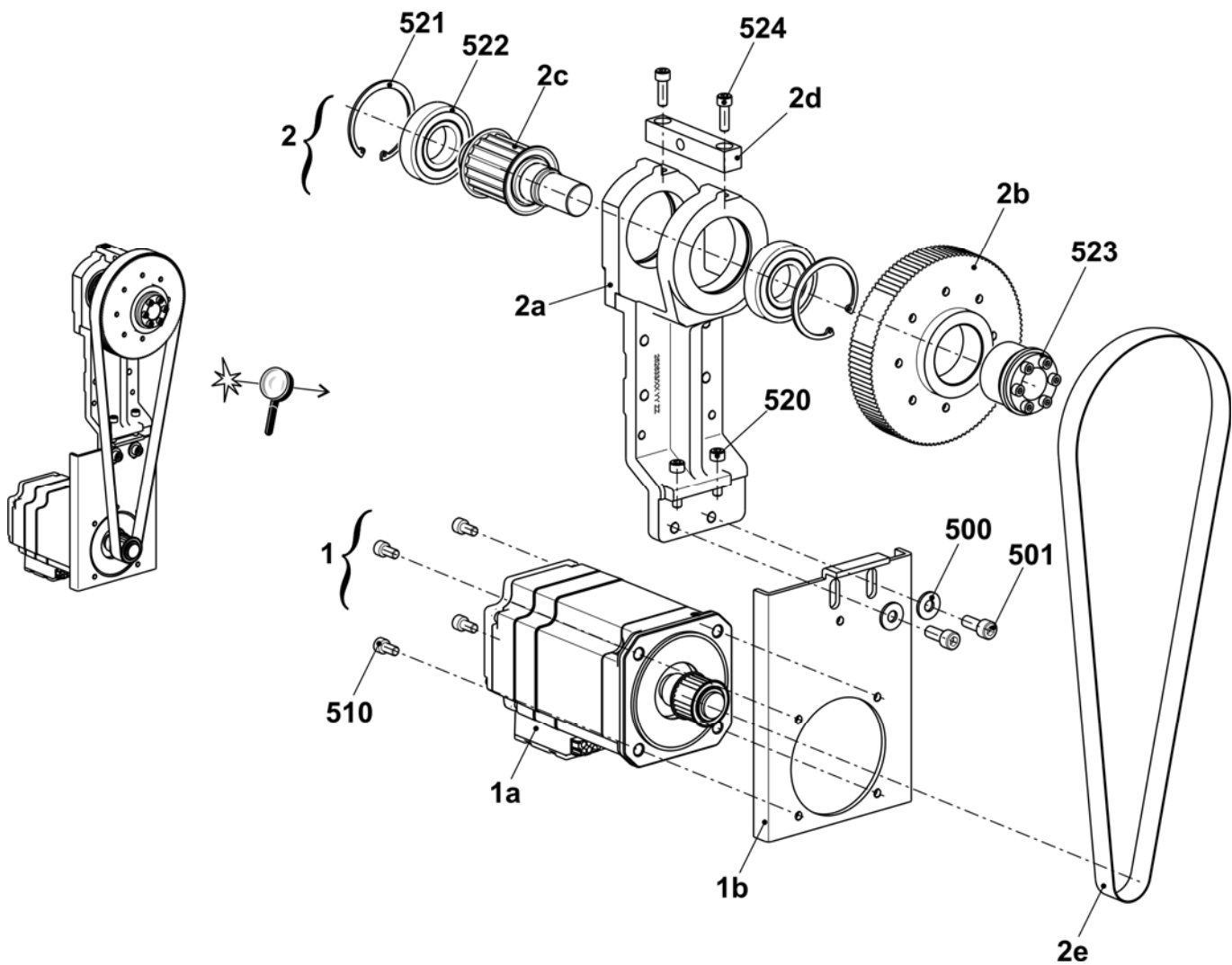
Carriage drive

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive unit				
11	Drive unit complete	251 608	17	Parabolic spring	200 661
12	Tension bearing complete	251 581	501	Cap screw M10x25	020 157
14	Toothed belt 50AT10/4170	251 607	507	Slide nut M10X12	023 471



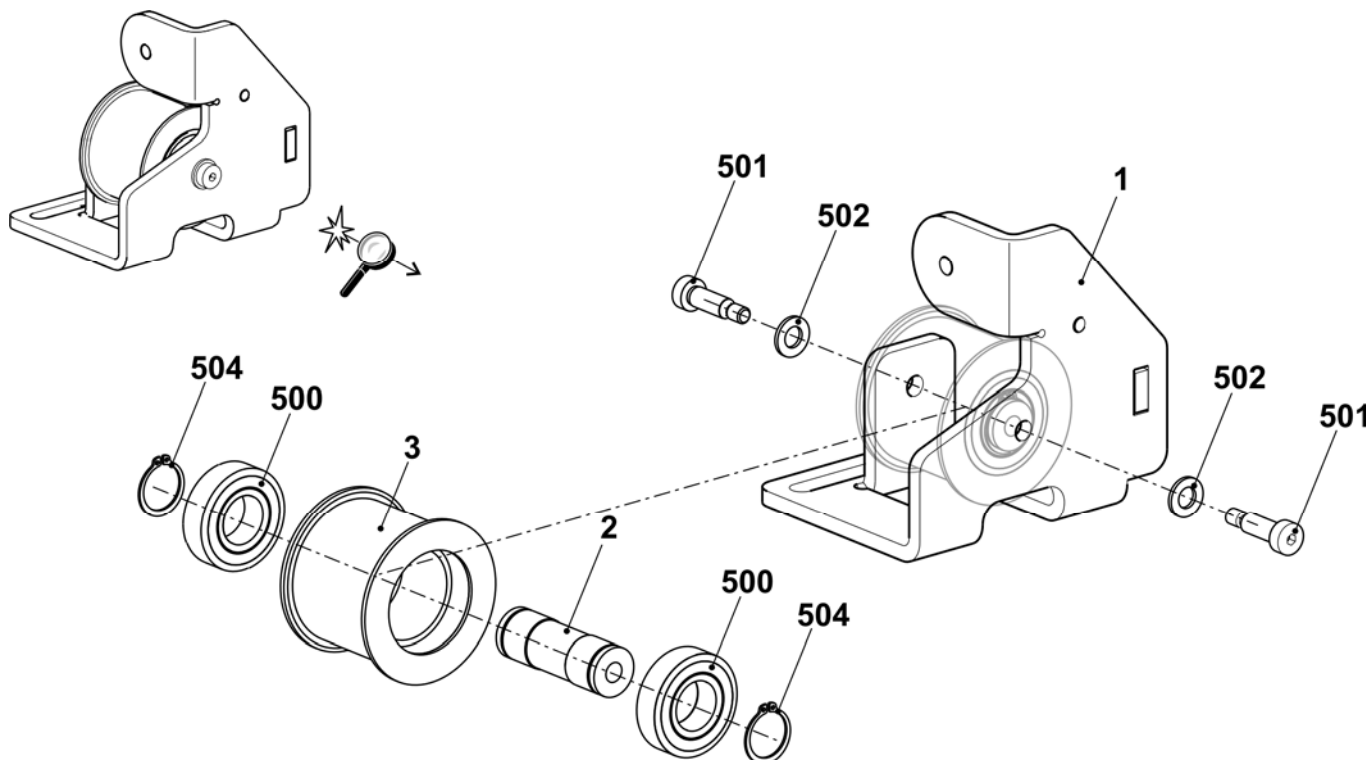
Motor and belt drive

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive unit complete	251 608	2	Drive bearing	251 609
1	Drive unit	251 612	2a	Drive bearing ECO2	252 634
1a	Drive motor complete	240 740	2b	Timing belt pulley	240 616
1b	Motor plate	252 611	2c	Pinion 57 AT10 18	242 039
510	Cap screw M8X16	023 629	2d	Support buffer	222 100
500	Disc 10.5X25X2.5	022 178	2e	Toothed belt	252 594
501	Cap screw M10x25	020 157	520	Cap screw M8X35	020 144
			521	Locking ring 72x2.5	022 914
			522	Ball bearing 6207-2RS	022 915
			523	Tension set 30X55	023 208
			524	Cap screw M8X25 12.9	020 142



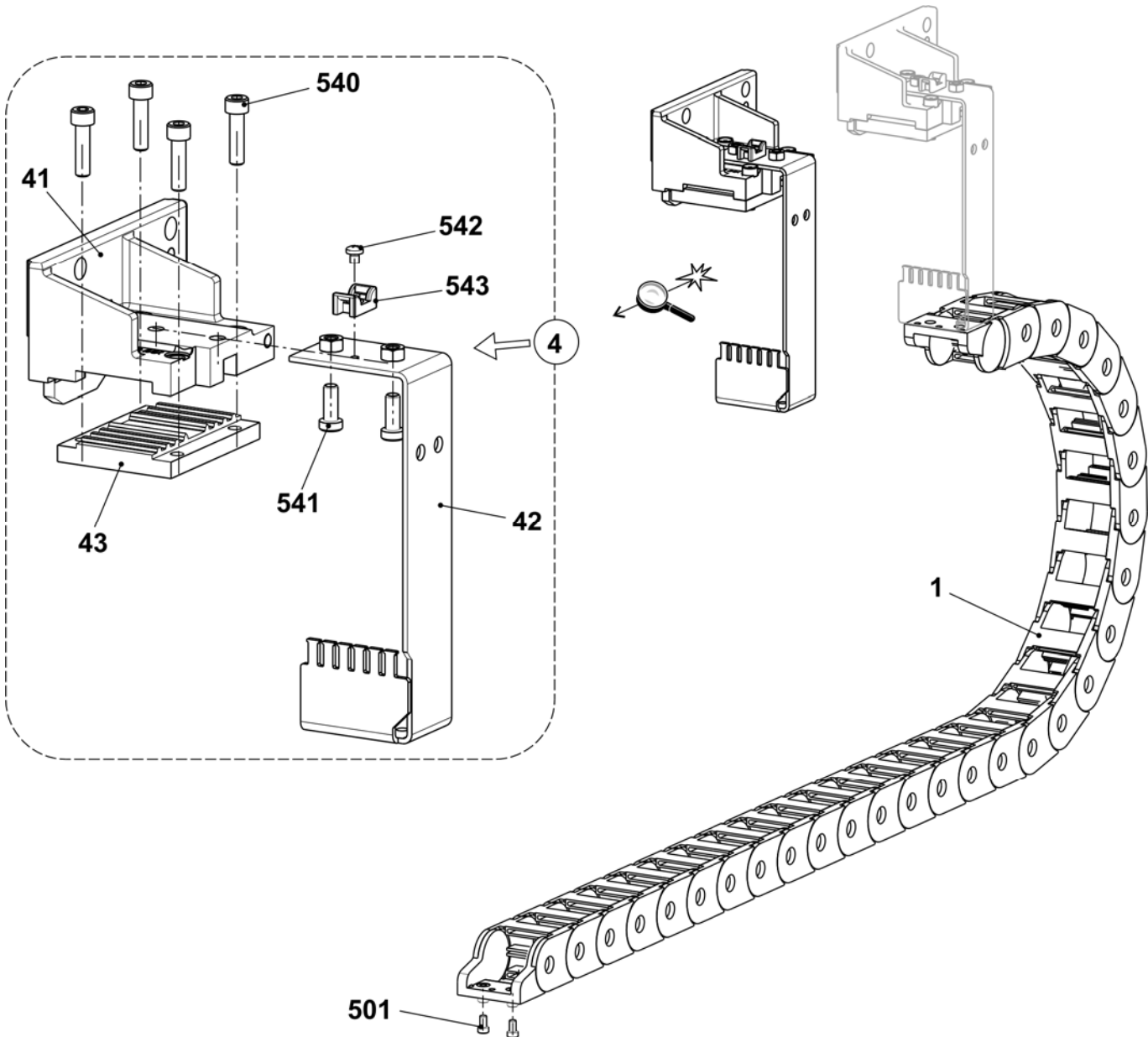
Tension bearing

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension bearing complete	251 581	500	Ball bearing 6205-2RS	023 559
1	Tension bearing	251 560	501	Cap screw M10x25	023 751
2	Axle	251 579	502	U-washer	020 874
3	Tension roller	251 580	504	Locking ring 25x1.2	251 617



Energy chain and carriage driver

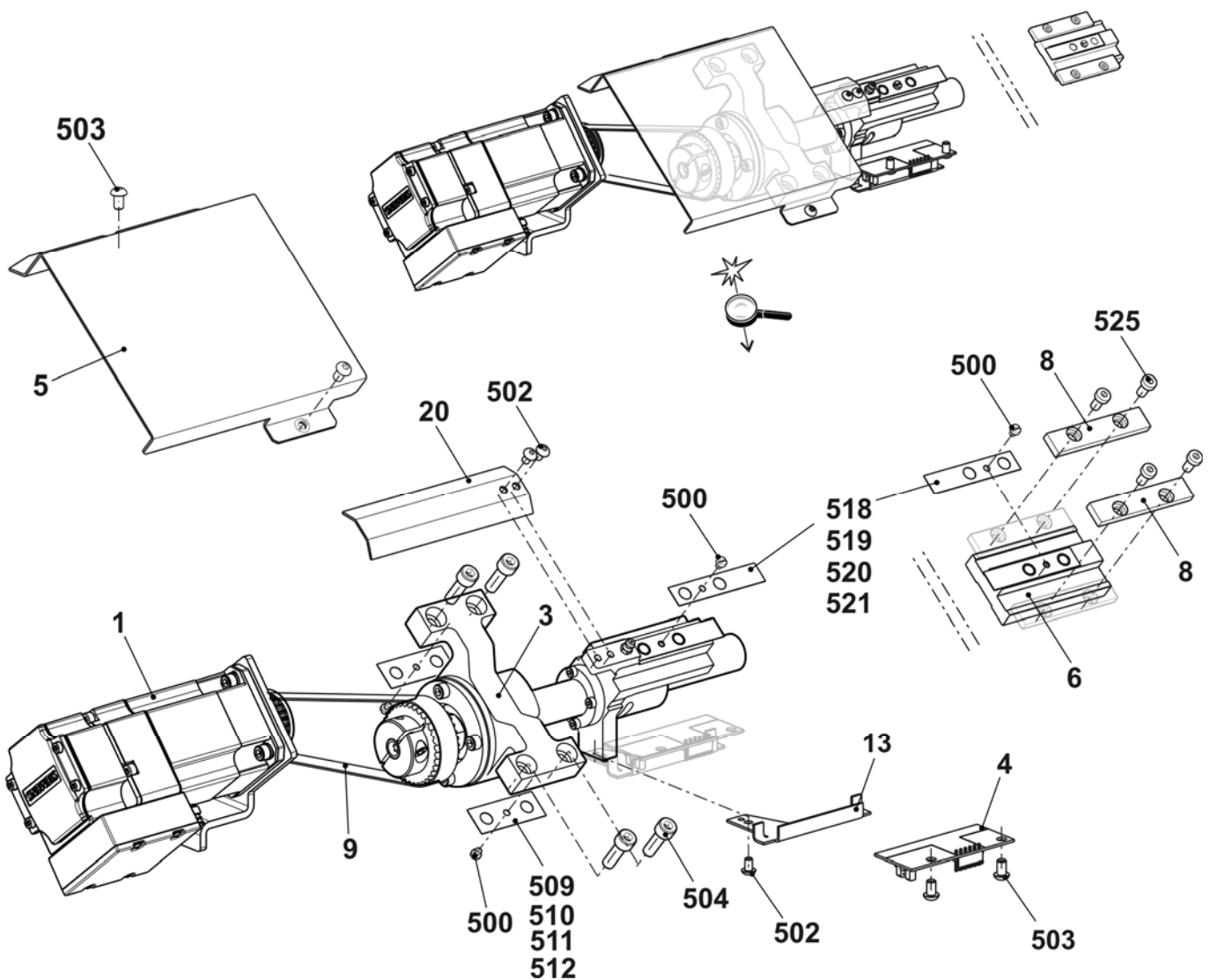
Pos	Designation	ID	Pos	Designation	ID
1	Energy chain 28 links	253 896	4	Continuation carriage driver complete	
501	Cap screw M6x8	023 411	540	Cap screw M8X30	020 143
4	Carriage driver complete	252 681	541	Cap screw M8X20	023 621
41	Carriage driver	252 599	542	Countersunk screw M5x6	023 284
42	Cable driver	250 529	543	Fixing element	026 489
43	Clamping plate	252 592			



Racking

Racking drive

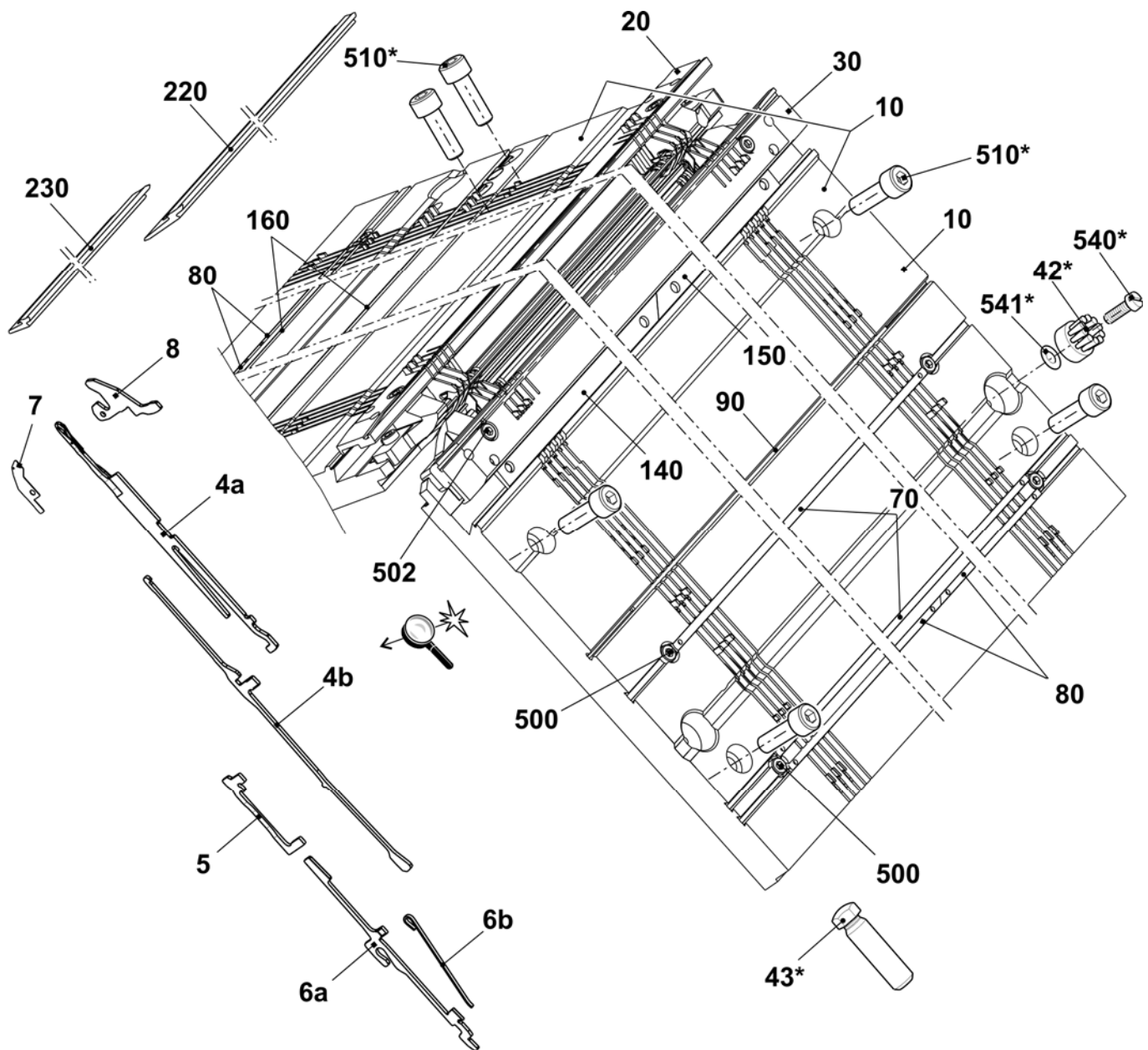
Pos	Designation	ID	Pos	Designation	ID
Σ	Racking drive				
1	Three phase servo motor racking	255 442	503	Countersunk screw M6x10	023 183
3	Spindle bearing	251 562	504	Cap screw M8X25	020 142
4	Card limit switch	251 916	509	Shim 0.03x20x56	204 936
5	Racking cover plate	251 634	510	Shim 0.05x20x56	204 937
6	Racking strip on the left	240 696	511	Shim 0.1x20x56	204 938
8	Guide strip	206 382	512	Shim 0.2x20x56	204 939
9	Toothed belt 150 S 5M 490	229 281	518	Shim 0.03x15x75	023 395
13	Switching metal plate	251 672	519	Shim 0.05x15x75	023 396
20	Cover plate	251 937	520	Shim 0.1x15x75	023 397
500	Cap screw M4x4	022 767	521	Shim 0.2x15x75	023 398
502	Countersunk screw M5x8	239 408	525	Cap screw M6x12	022 795



Needle beds

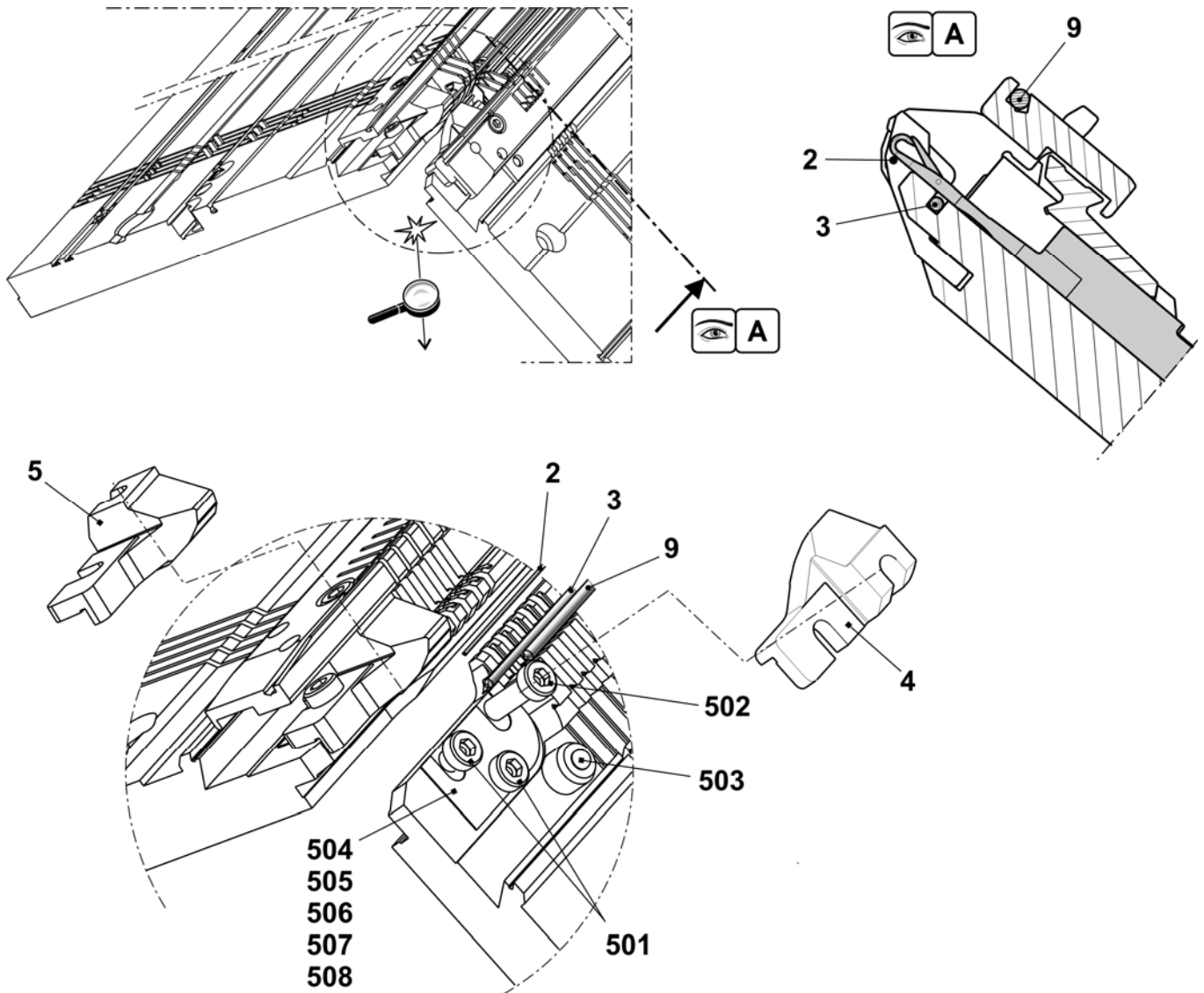
Needle bed E5

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E5	252 665	90	Fixed wire D=2.8	207 270
4a	Needle E5 - E6 with round hook	205 396	140	Needle rail on the left	237 835
4b	Coupling part E4 - E8	200 682	150	Needle rail on the right	237 836
5	Intermediate slider E5 – E8	237 323	160	Cover rail at the rear	250 572
6a	Selection jack E4 - E8	200 687	220	Needle rail on the left	253 908
6b	Selector spring E4 – E8	200 690	230	Needle rail on the right	253 910
7	Knock-over bit E5	204 996	500	Cap screw M5x10	022 918
8	Holding-down jack E5	205 031	502	Cap screw M5x22	023 193
10	Needle bed at the front + rear E5	251 619	510*	Cap screw M8x25	020 142
20	Holding-down jack bed at the rear E5	250 537	42*	Disk brush	202 600
30	Holding-down jack bed at the front E5	250 536	540*	Cap screw M5x12	020 032
70	Cover rail at the front E5	250 575	541*	Adjusting washer P6x0.3	023 540
80	Cover rail	250 576	43*	Adjusting bolt	240 765



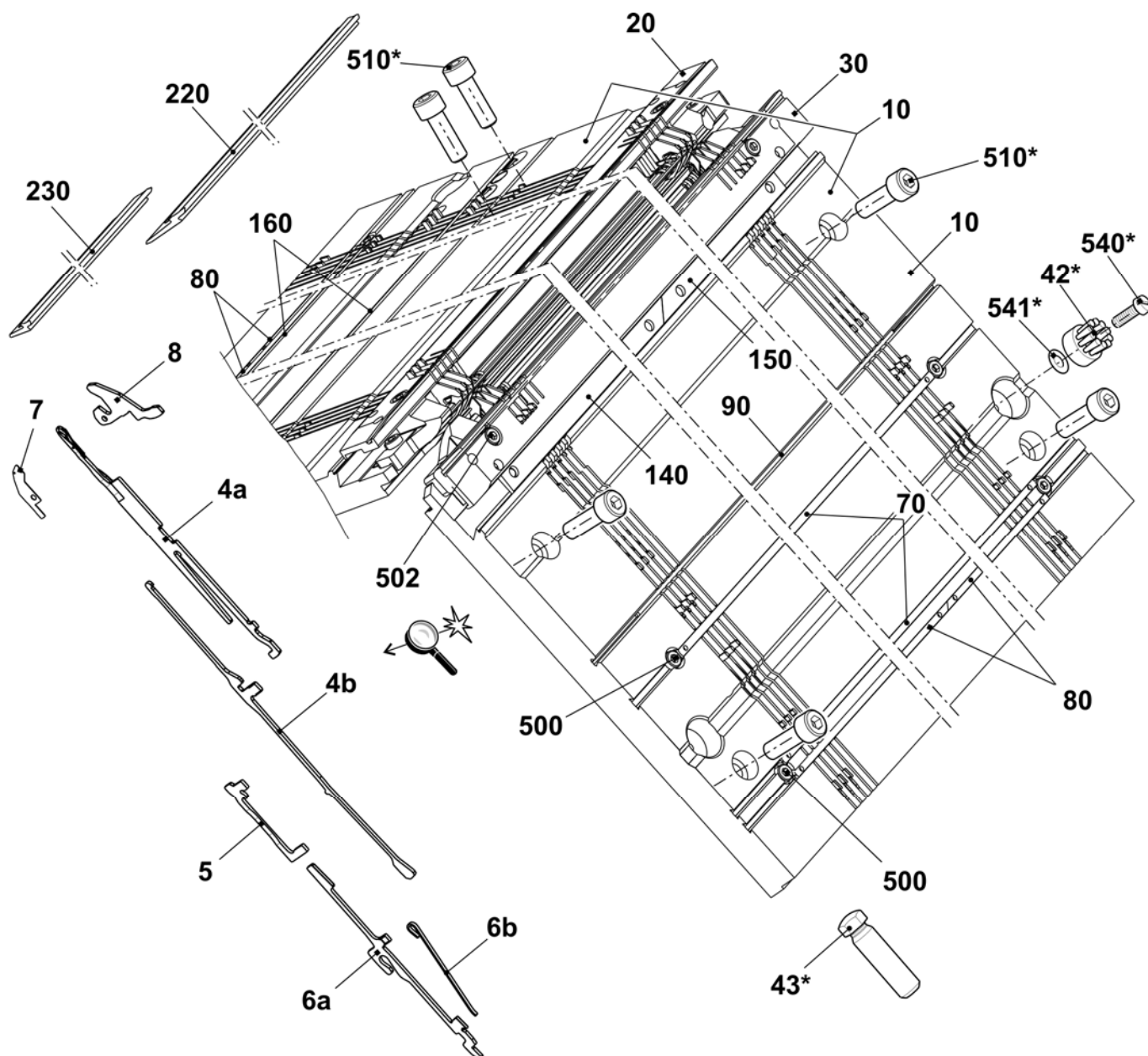
Continuation needle bed E5

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E5	252 665	502	Cap screw M5x22	023 193
2	Spring steel wire ø 1.0	207 482	503	Sprung thrust piece	023 177
3	Spring steel wire ø 2.0	207 269	504	Shim 0.02x18.5x34	023 194
4	Limiter on the left E4-E8	205 343	505	Shim 0.03x18.5x34	023 195
5	Limiter on the right E4-E8	205 344	506	Shim 0.05x18.5x34	023 196
9	Fixed wire Ø2.8	207 270	507	Shim 0.1x18.5x34	023 197
501	Cap screw M5x8	023 154	508	Shim 0.2x18.5x34	023 253



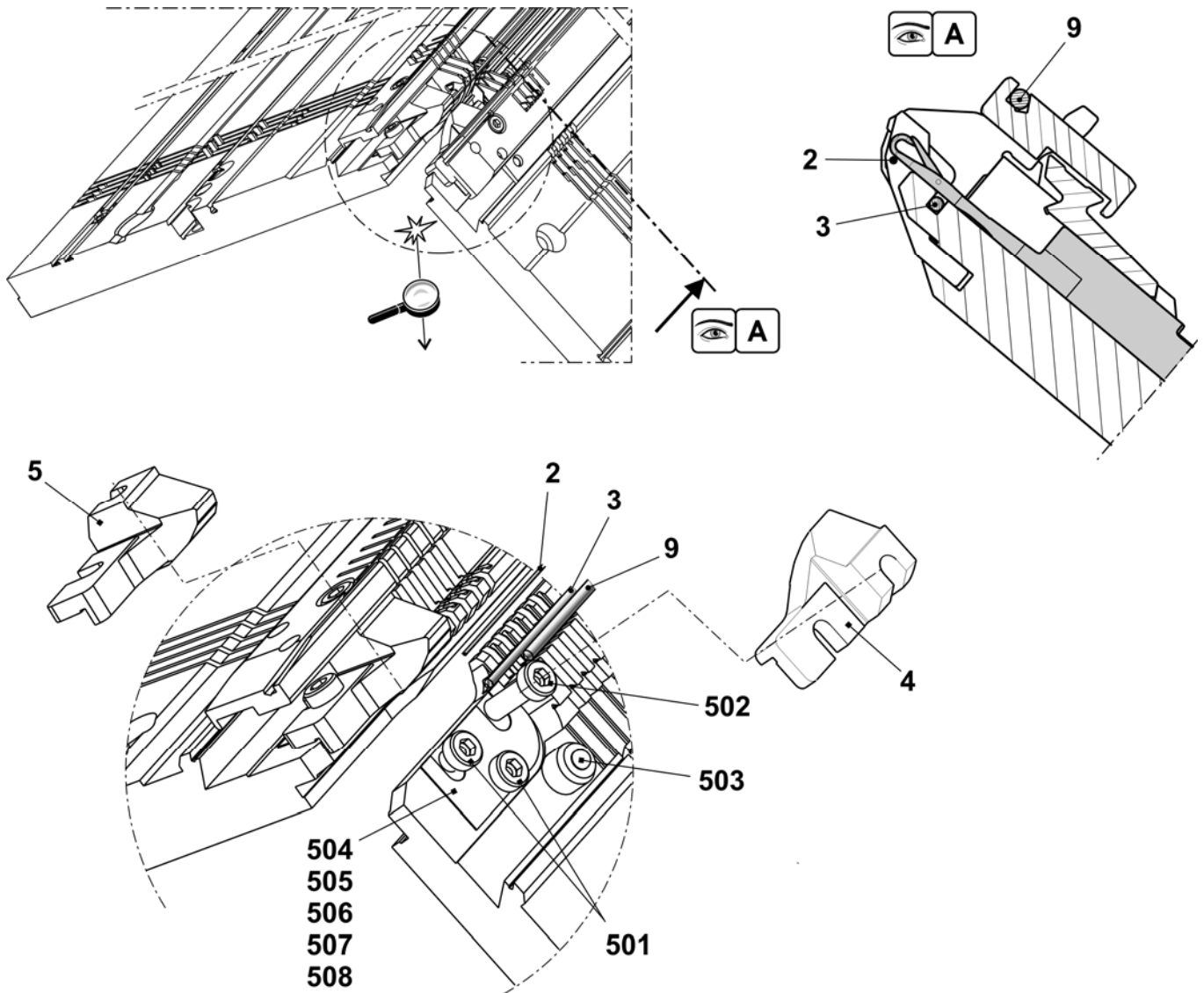
Needle bed E7

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E7	252 667	90	Fixed wire Ø2.8	207 270
4a	Needle E7 with round hook	205 397	140	Needle rail on the left	237 835
4b	Coupling part E4-E8	200 682	150	Needle rail on the right	237 836
5	Intermediate slider with brake E5 – E8	237 323	160	Cover rail at the rear	250 572
6a	Selection jack E4 - E8	200 687	220	Needle rail on the left	253 908
6b	Selector spring E4 – E8	200 690	230	Needle rail on the right	253 910
7	Knock-over bit E7	207 055	500	Cap screw M5x10	022 918
8	Holding-down jack E7	205 032	502	Cap screw M5x22	023 193
10	Needle bed at the front + rear E7	251 620	510*	Cap screw M8x25	020 142
20	Holding-down jack bed at the rear E7	250 539	42*	Disk brush	202 600
30	Holding-down jack bed at the front E7	250 538	540*	Cap screw M5x12	020 032
70	Cover rail	250 575	541*	Adjusting washer P6x0.3	023 540
80	Cover rail	250 576	43*	Adjusting bolt	240 765



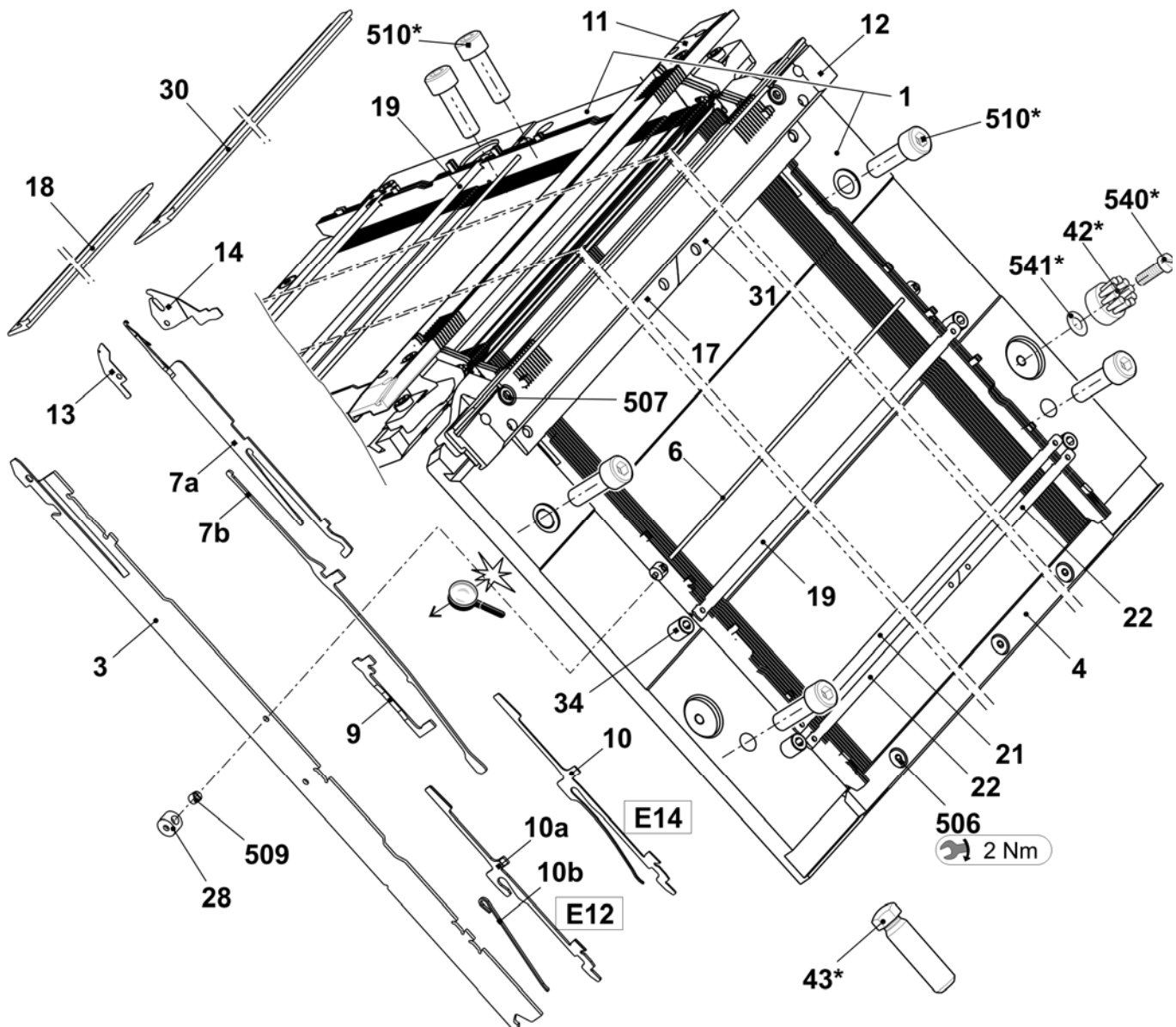
Continuation needle bed E7

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E7	252 667	502	Cap screw M5x22	023 193
2	Spring steel wire $\varnothing$ 0.8	207 483	503	Sprung thrust piece	023 177
3	Spring steel wire $\varnothing$ 2.0	207 269	504	Shim 0.02x18.5x34	023 194
4	Limiter on the left E4-E8	205 343	505	Shim 0.03x18.5x34	023 195
5	Limiter on the right E4-E8	205 344	506	Shim 0.05x18.5x34	023 196
9	Fixed wire $\varnothing$ 2.8	207 270	507	Shim 0.1x18.5x34	023 197
501	Cap screw M5x8	023 154	508	Shim 0.2x18.5x34	023 253



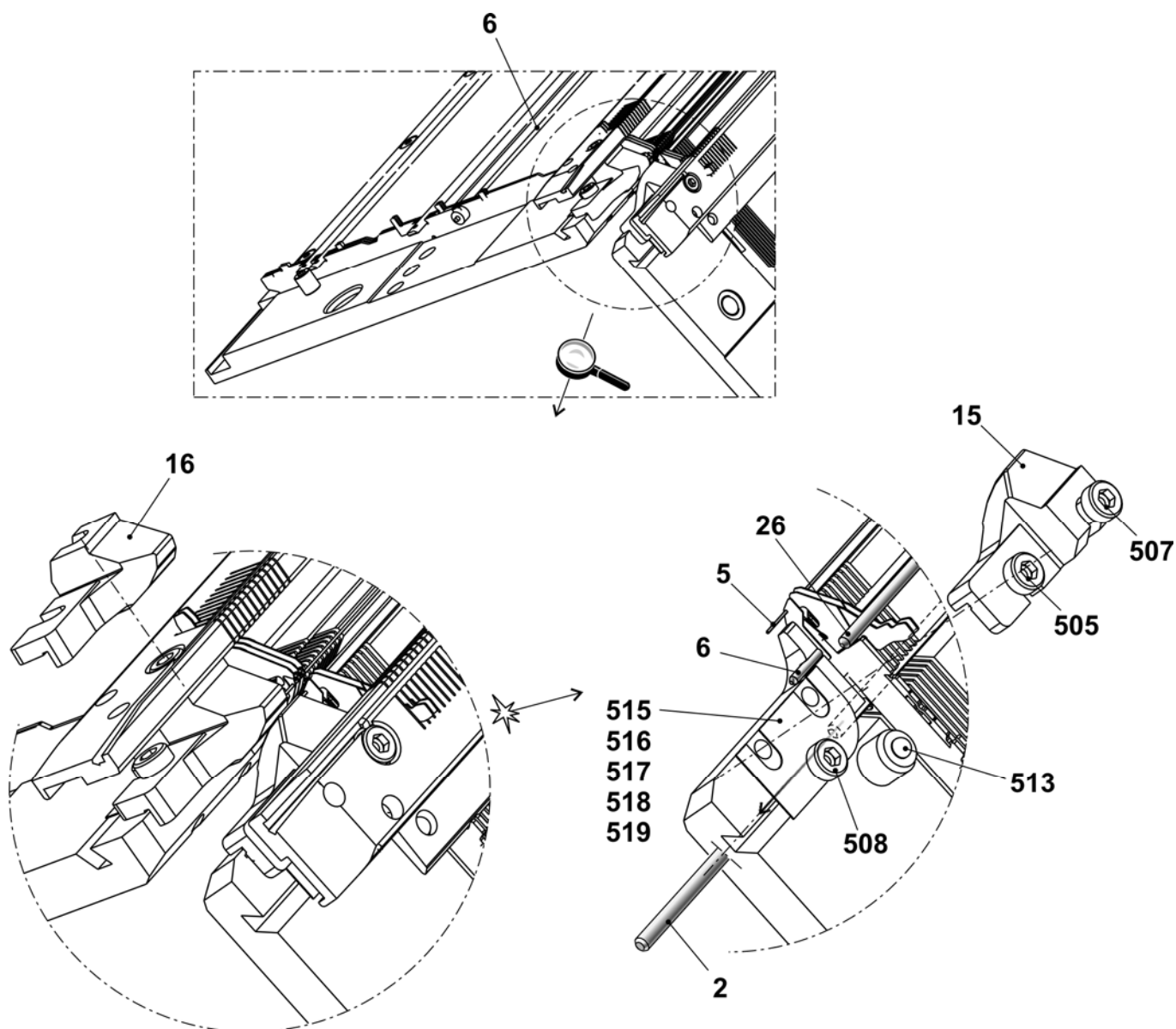
Needle bed E12

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E12	252 668			
1	Needle bed at the front + rear E12	252 064	19	Cover rail at the rear	250 572
3	Main trick wall E12	252 628	21	Cover rail	250 575
4	Pressure slide E12 – E14	252 040	22	Cover rail	250 576
6	Spring steel wire ø2.0	207 269	28	Bush	206 090
7a	Needle E12	204 009	30	Needle rail on the left	253 908
7b	Coupling part E10 - E12	200 683	31	Needle rail on the right	253 910
9	Intermediate slider with brake E10-12	237 324	34	Stop screw	214 039
10a	Selection jack E10-12	200 688	506	Cap screw M5x8	023 379
10b	Selector spring E10-12	200 691	507	Cap screw M5x22	023 193
11	Holding-down jack bed at the rear E12	250 545	509	Set screw M3.5x3-1	020 512
12	Holding-down jack bed at the front E12	250 544	510*	Cap screw M8x25	020 142
13	Knock-over bit E12	205 013	42*	Disk brush	202 600
14	Holding-down jack trick wall E12	227 821	540*	Cap screw M5x12	020 032
17	Needle rail on the left	237 835	541*	Adjusting washer P6x0.3	023 540
18	Needle rail on the right	237 836	43*	Adjusting bolt	240 765



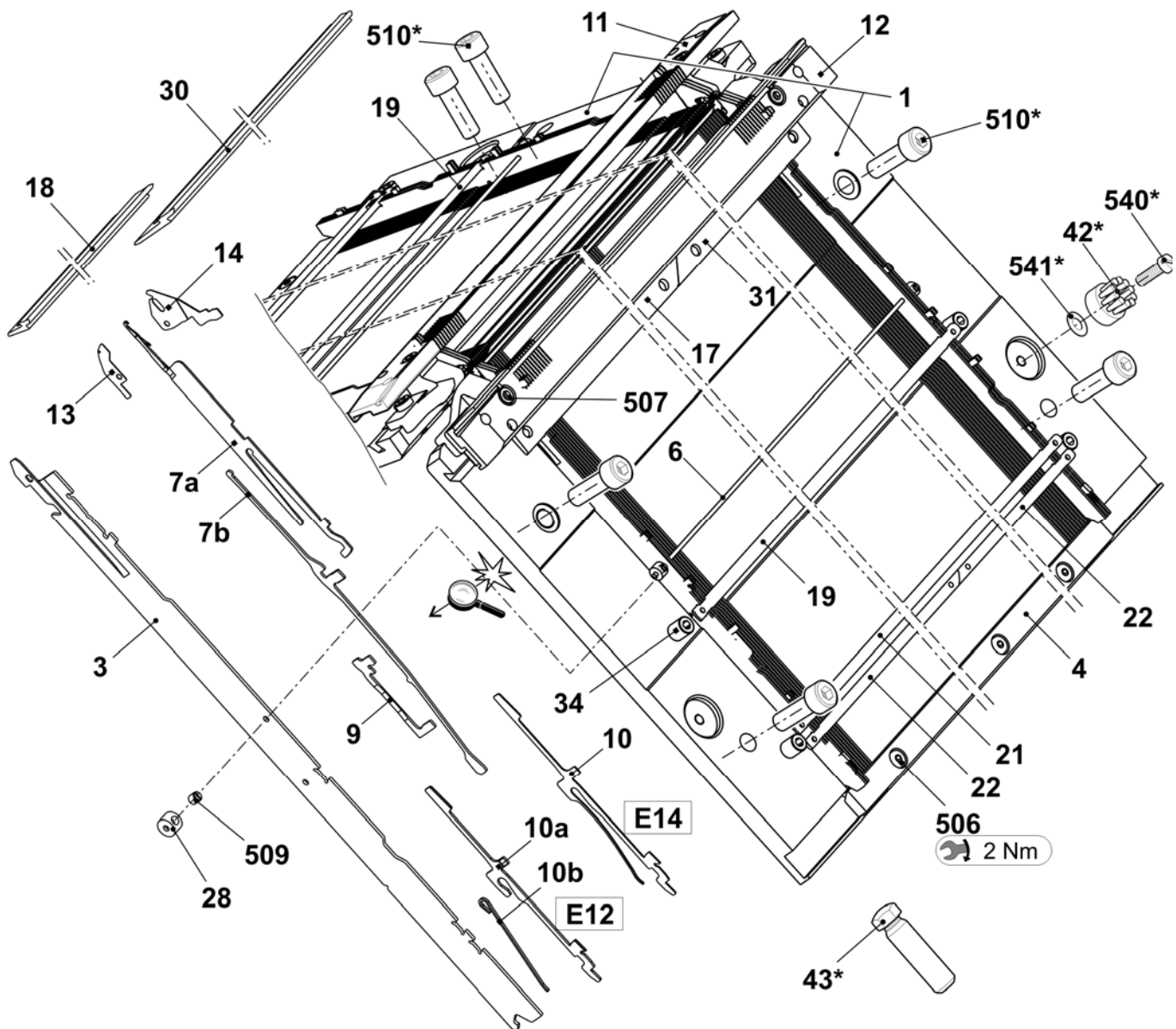
Continuation needle bed E12

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E12	252 668	507	Cap screw M5x22	023 193
2	Fixed wire Ø3.4	208 389	508	Cap screw M5x12-8.8	022 943
5	Spring steel wire Ø0.6	208 388	513	Sprung thrust piece	023 177
6	Spring steel wire Ø2.0	207 269	515	Shim 0.02x18.5x345	023 194
15	Limiter on the left E10 – E14	205 764	516	Shim 0.03x18.5x34	023 195
16	Limiter on the right E10 – E14	205 765	517	Shim 0.05x18.5x34	023 196
26	Fixed wire Ø2.8	207 270	518	Shim 0.1x18.5x34	023 197
505	Cap screw M5x8-8.8	023 154	519	Shim 0.2x18.5x34	023 253



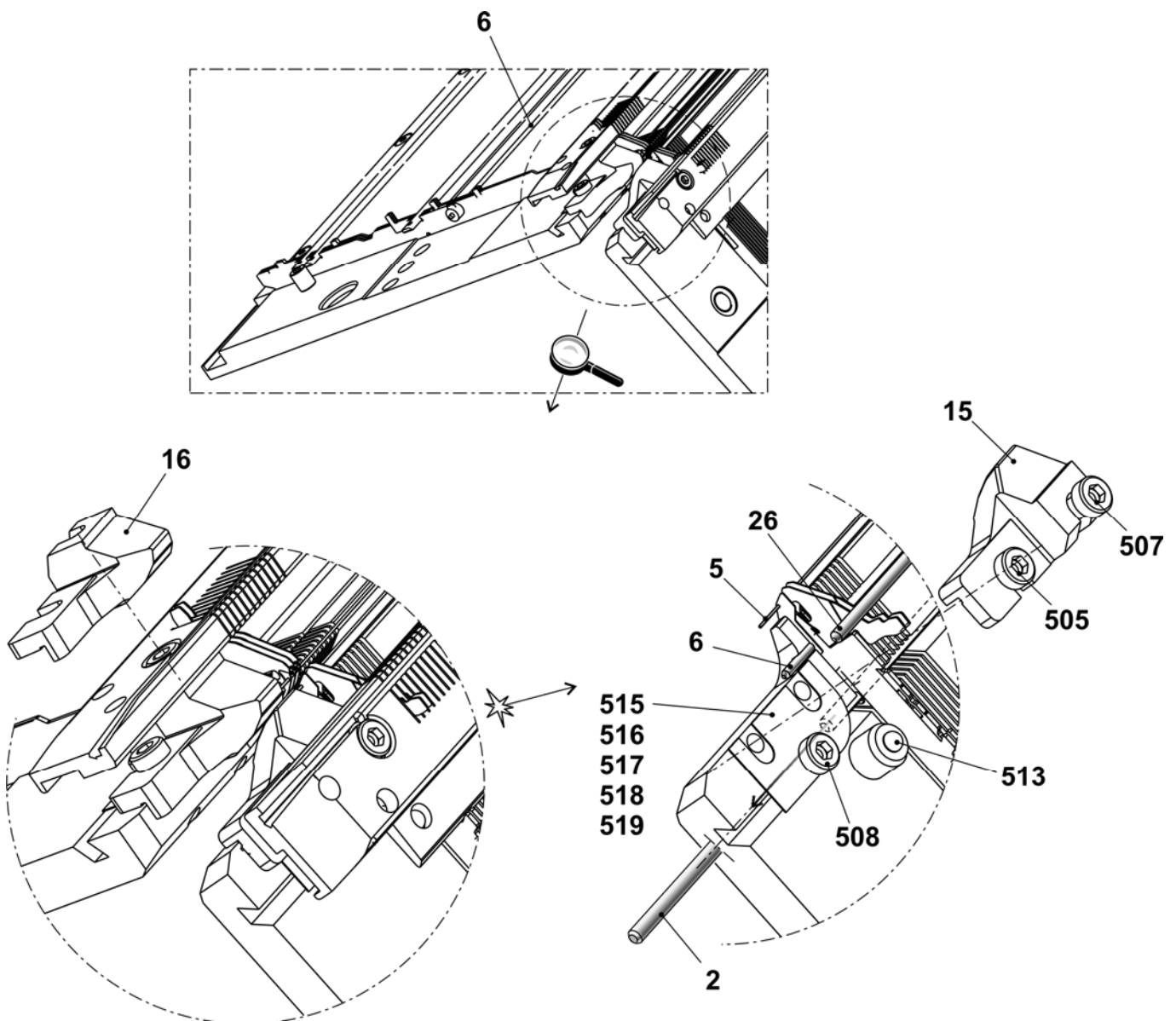
Needle bed E14

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E14	252 669	19	Cover rail at the rear	250 572
1	Needle bed at the front + rear E14	251 587	21	Cover rail	250 575
3	Main trick wall E14	252 629	22	Cover rail	250 576
4	Pressure slide E12 – E14	252 040	28	Bush	206 090
6	Spring steel wire ø2.0	207 269	30	Needle rail on the left	253 908
7a	Needle E14	209 614	31	Needle rail on the right	253 910
7b	Coupling part E14	209 633	34	Stop screw	214 039
9	Intermediate slider with brake E14	237 373	506	Cap screw M4-M5x8	023 379
10	Selection jack E14 with selector spring	224 725	507	Cap screw M5x22	023 193
11	Holding-down jack bed at the rear E14	250 547	509	Set screw M3.5x3-1	020 512
12	Holding-down jack bed at the front E14	250 546	510*	Cap screw M8X25	020 142
13	Knock-over bit E14	209 649	42*	Disk brush	202 600
14	Holding-down jack trick wall E14	235 262	540*	Cap screw M5x12	020 032
17	Needle rail on the left	237 835	541*	Adjusting washer P6x0.3	023 540
18	Needle rail on the right	237 836	43*	Adjusting bolt	240 765



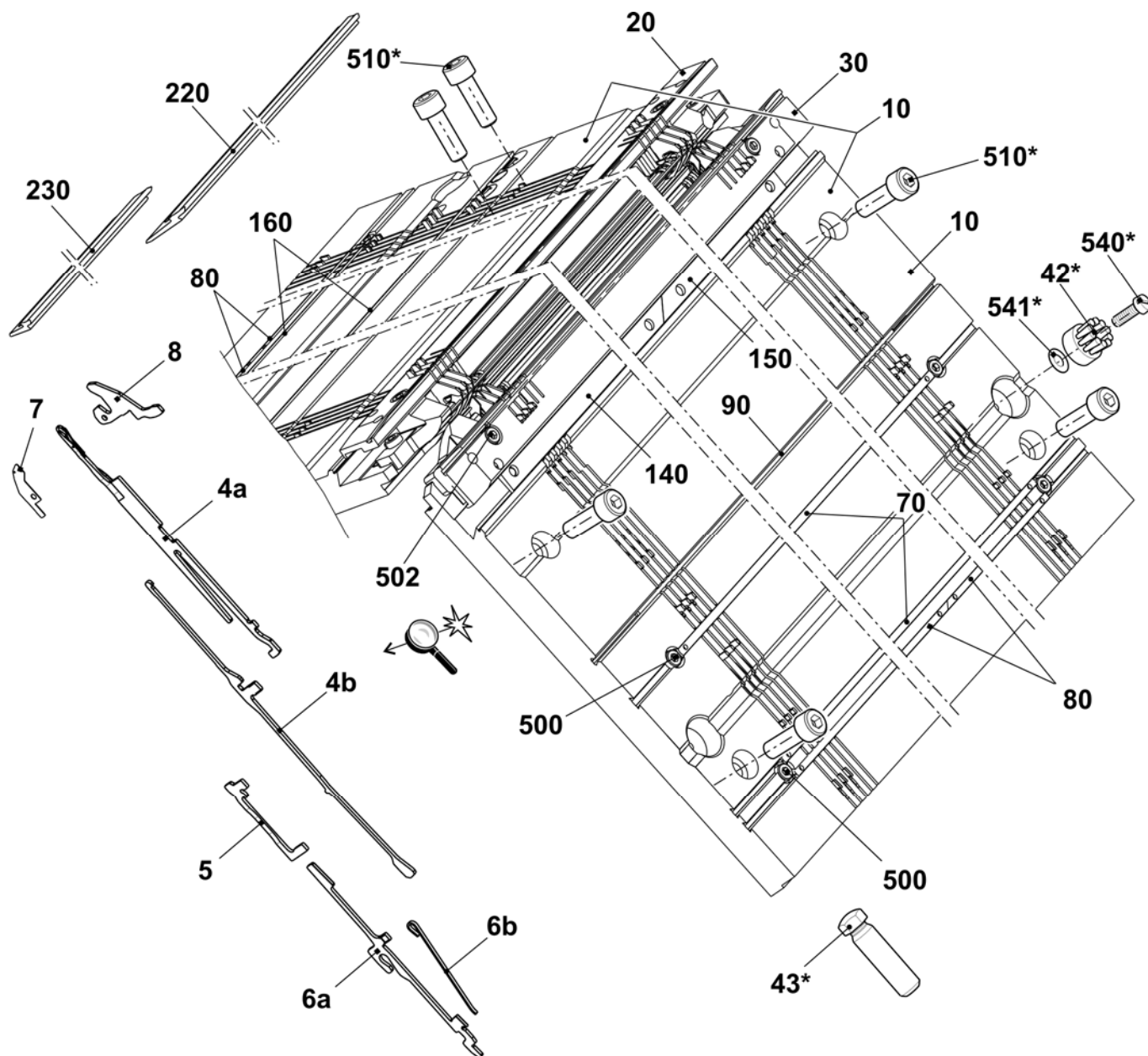
Continuation needle bed E14

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E14	252 669	507	Cap screw M5x22	023 193
2	Fixed wire Ø3.4	208 389	508	Cap screw M5x12-8.8	022 943
5	Spring steel wire Ø0.6	208 388	513	Sprung thrust piece	023 177
6	Spring steel wire Ø2.0	207 269	515	Shim 0.02x18.5x345	023 194
15	Limiter on the left E10 – E14	205 764	516	Shim 0.03x18.5x34	023 195
16	Limiter on the right E10 – E14	205 765	517	Shim 0.05x18.5x34	023 196
26	Fixed wire Ø2.8	207 270	518	Shim 0.1x18.5x34	023 197
505	Cap screw M5x8-8.8	023 154	519	Shim 0.2x18.5x34	023 253



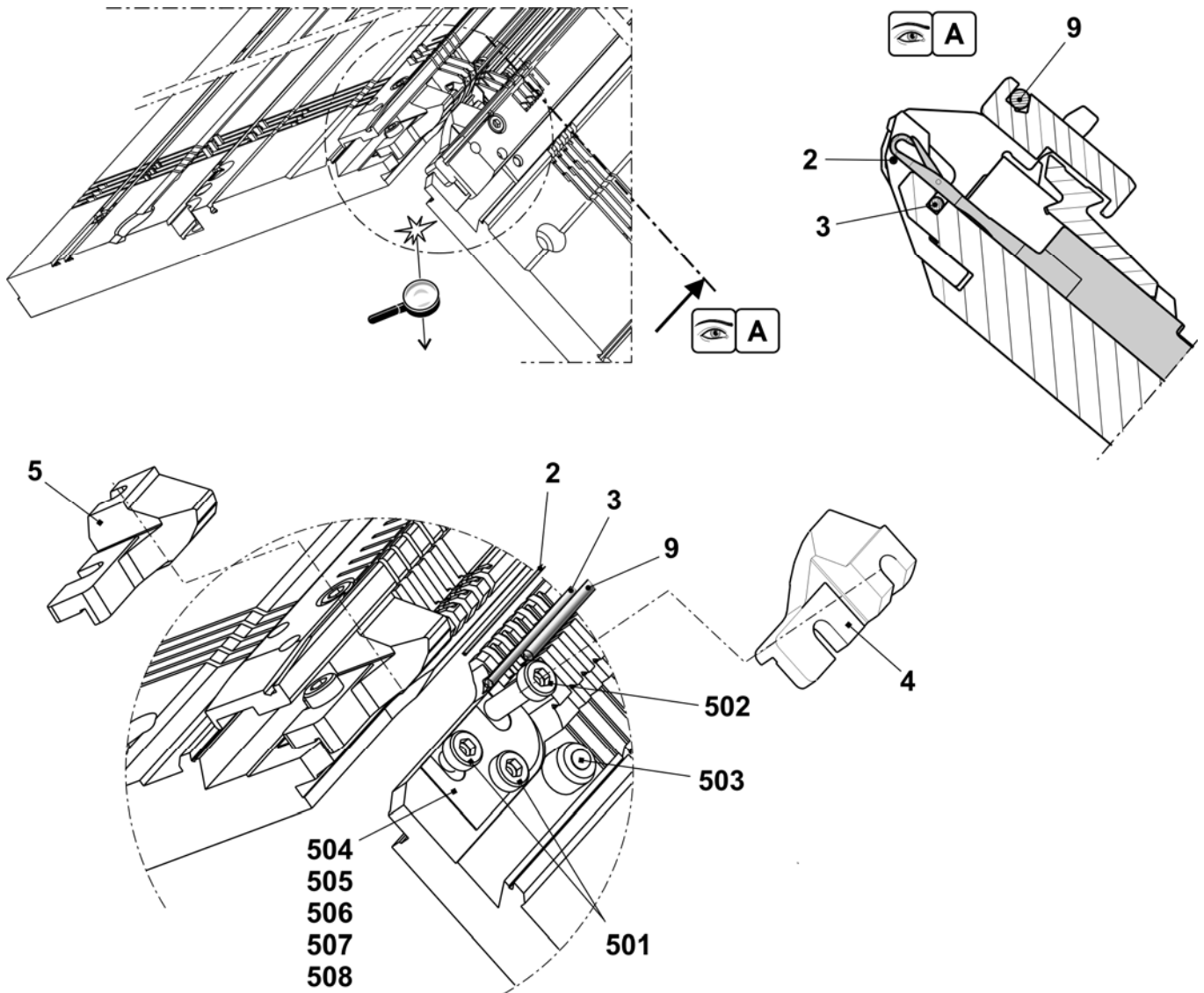
Needle bed E3,5.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E3,5.2	252 671	90	Fixed wire Ø2.8	207 270
4a	Needle E2,5.2-3,5.2	232 581	140	Needle rail on the left	237 835
4b	Coupling part E4-E8	200 682	150	Needle rail on the right	237 836
5	Intermediate slider with brake E5 – E8	237 323	160	Cover rail at the rear	250 572
6a	Selection jack E4 - E8	200 687	220	Needle rail on the left	253 908
6b	Selector spring E4 – E8	200 690	230	Needle rail on the right	253 910
7	Knock-over bit E7	207 055	500	Cap screw M5x10	022 918
8	Holding-down jack E7	205 032	502	Cap screw M5x22	023 193
10	Needle bed at the front + rear E7	251 620	510*	Cap screw M8x25	020 142
20	Holding-down jack bed at the rear E3,5.2	250 916	42*	Disk brush	202 600
30	Holding-down jack bed at the front E3,5.2	250 915	540*	Cap screw M5x12	020 032
70	Cover rail	250 575	541*	Adjusting washer P6x0.3	023 540
80	Cover rail	250 576	43*	Adjusting bolt	240 765



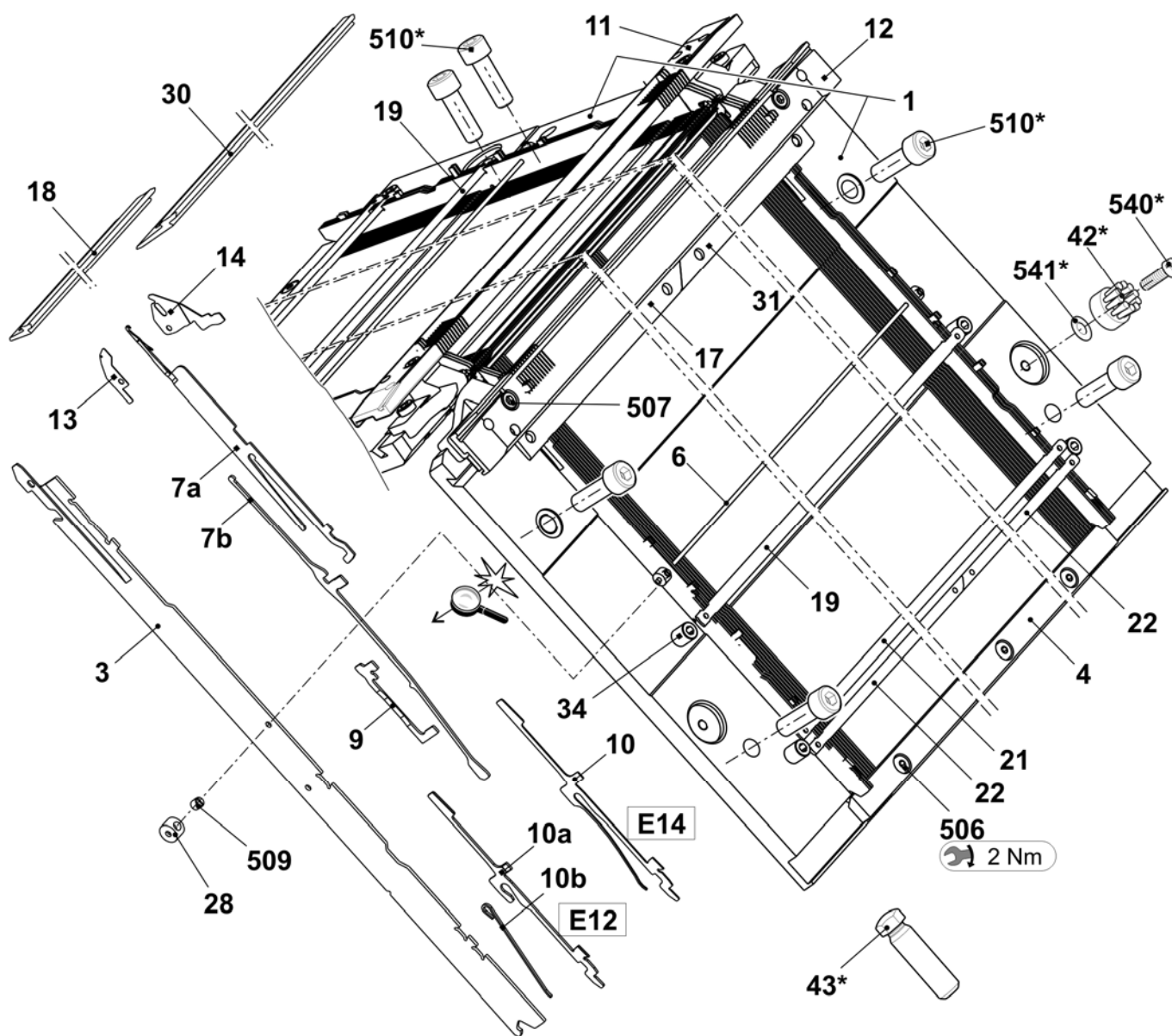
Continuation needle bed E3,5.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E3,5.2	252 671	502	Cap screw M5x22	023 193
2	Spring steel wire $\varnothing$ 0.8	207 483	503	Sprung thrust piece	023 177
3	Spring steel wire $\varnothing$ 2.0	207 269	504	Shim 0.02x18.5x34	023 194
4	Limiter on the left E4-E8	205 343	505	Shim 0.03x18.5x34	023 195
5	Limiter on the right E4-E8	205 344	506	Shim 0.05x18.5x34	023 196
9	Fixed wire $\varnothing$ 2.8	207 270	507	Shim 0.1x18.5x34	023 197
501	Cap screw M5x8	023 154	508	Shim 0.2x18.5x34	023 253



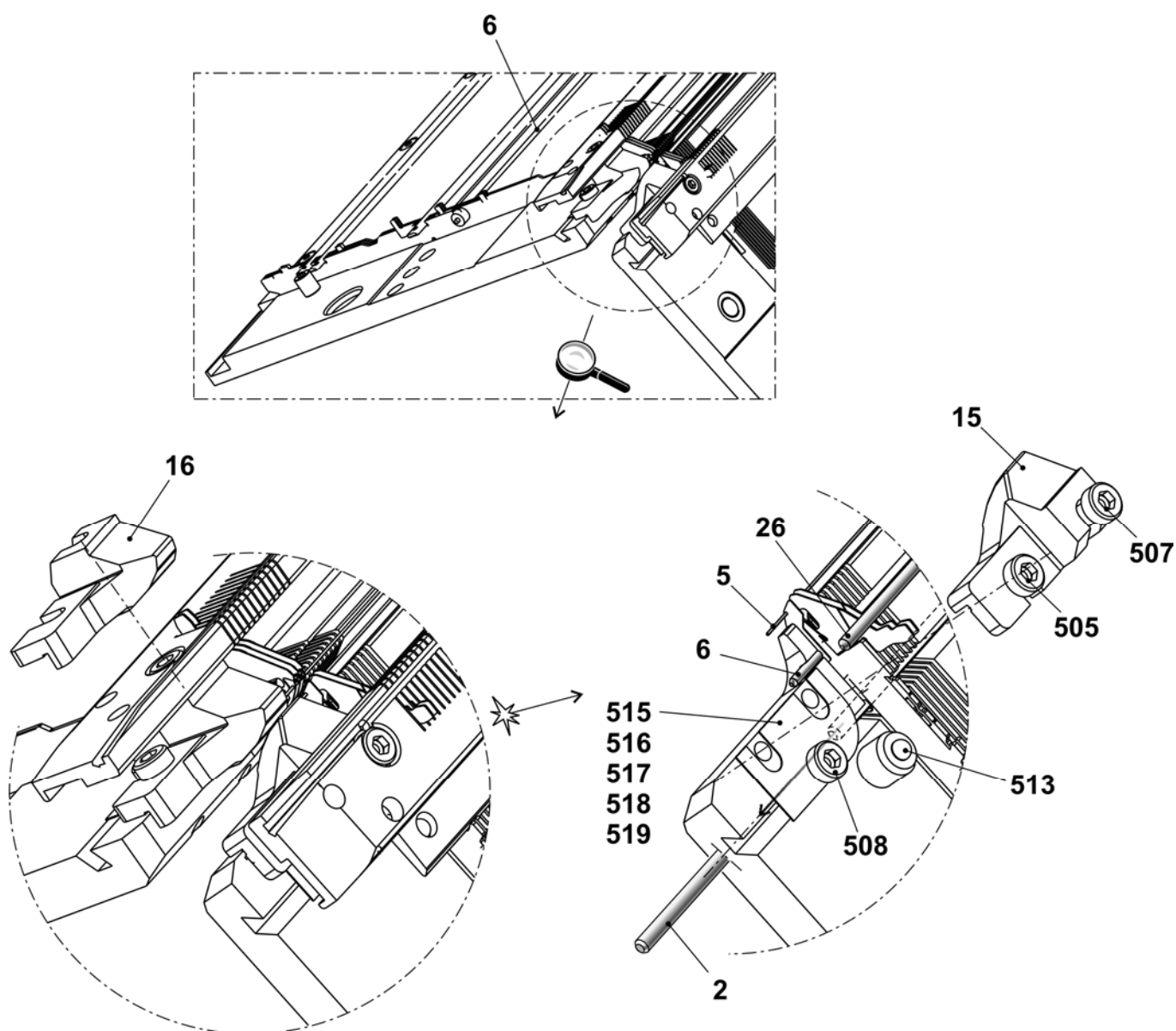
Needle bed E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E6.2	253 941			
1	Needle bed at the front + rear E12	252 064	19	Cover rail at the rear	250 572
3	Main trick wall E12	252 628	21	Cover rail	250 575
4	Pressure slide E12 – E14	252 040	22	Cover rail	250 576
6	Spring steel wire ø2.0	207 269	28	Bush	206 090
7a	Needle E6.2	207 349	30	Needle rail on the left	253 908
7b	Coupling part E10 - E12	200 683	31	Needle rail on the right	253 910
9	Intermediate slider with brake E10-12	237 324	34	Stop screw	214 039
10a	Selection jack E10-12	200 688	506	Cap screw M5x8	023 379
10b	Selector spring E10-12	200 691	507	Cap screw M5x22	023 193
11	Holding-down jack bed at the rear E6.2	250 918	509	Set screw M3.5x3-1	020 512
12	Holding-down jack bed at the front E6.2	250 917	510*	Cap screw M8x25	020 142
13	Knock-over bit E12	205 013	42*	Disk brush	202 600
14	Holding-down jack trick wall E12	227 821	540*	Cap screw M5x12	020 032
17	Needle rail on the left	237 835	541*	Adjusting washer P6x0.3	023 540
18	Needle rail on the right	237 836	43*	Adjusting bolt	240 765



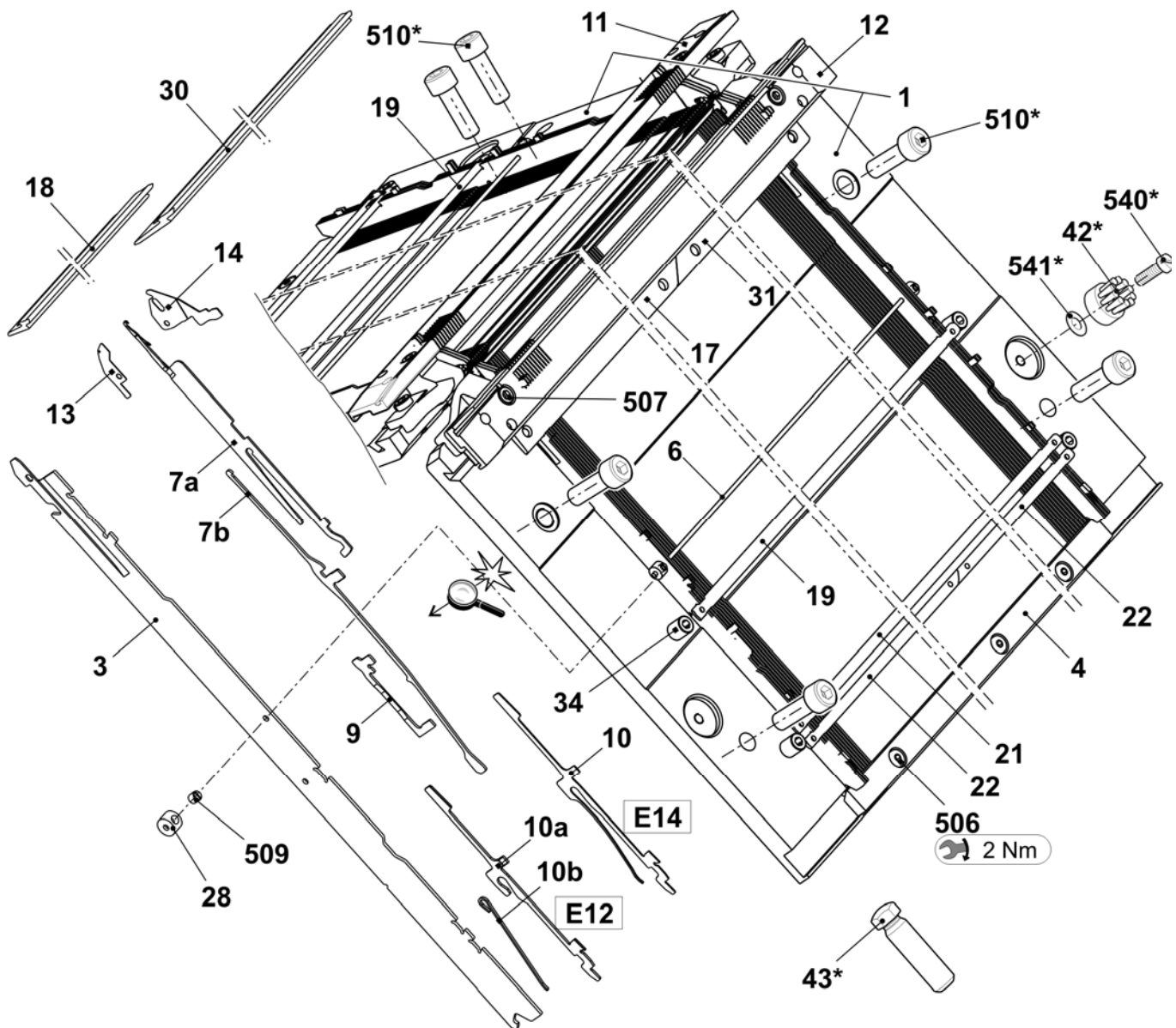
Continuation needle bed E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E6.2	253 941	507	Cap screw M5x22	023 193
2	Fixed wire Ø3.4	208 389	508	Cap screw M5x12-8.8	022 943
5	Spring steel wire Ø0.6	208 388	513	Sprung thrust piece	023 177
6	Spring steel wire Ø2.0	207 269	515	Shim 0.02x18.5x345	023 194
15	Limiters on the left E10 – E14	205 764	516	Shim 0.03x18.5x34	023 195
16	Limiter on the right E10 – E14	205 765	517	Shim 0.05x18.5x34	023 196
26	Fixed wire Ø2.8	207 270	518	Shim 0.1x18.5x34	023 197
505	Cap screw M5x8-8.8	023 154	519	Shim 0.2x18.5x34	023 253



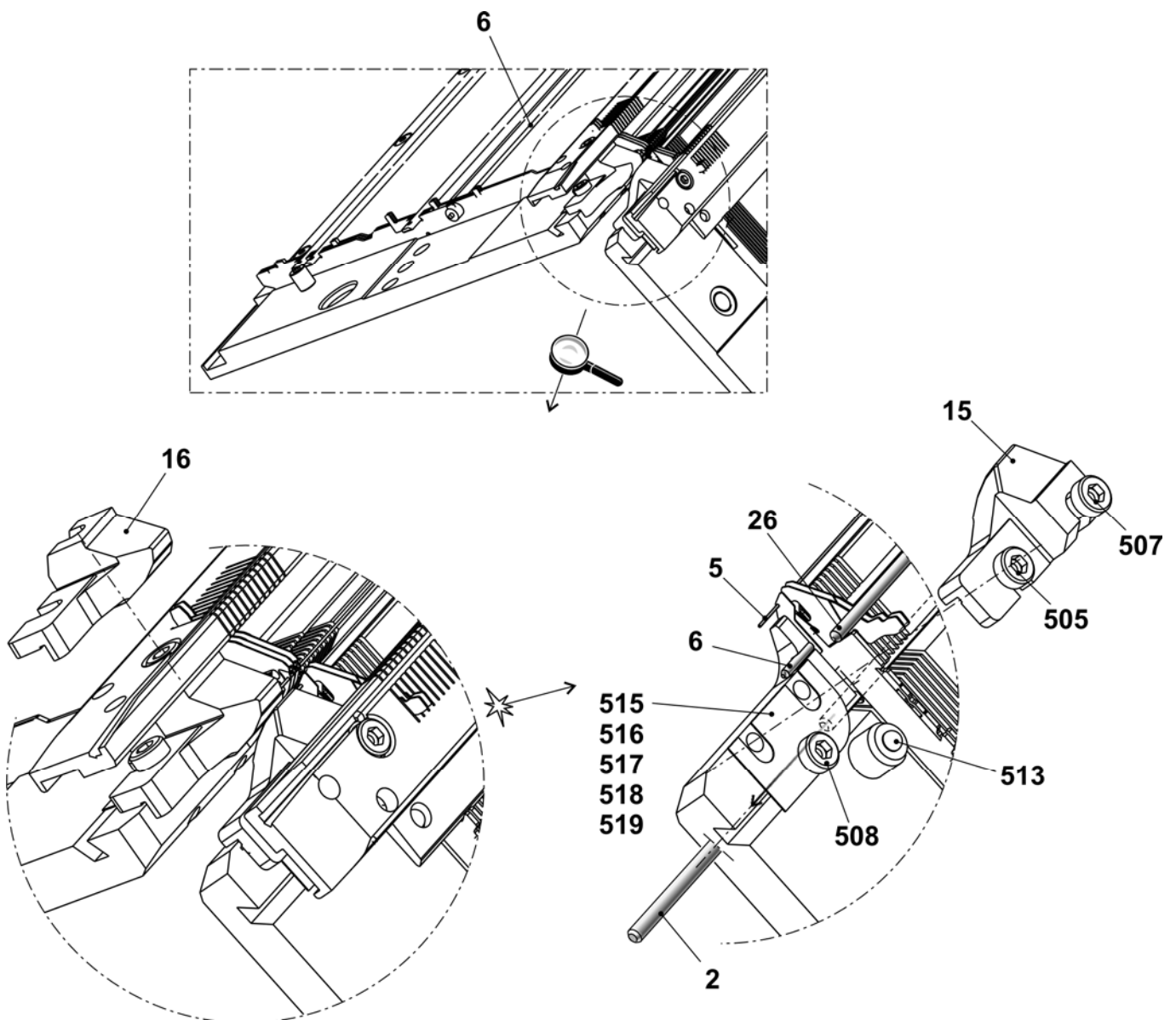
Needle bed E7.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E7.2	252 672	19	Cover rail at the rear	250 572
1	Needle bed at the front + rear E14	251 587	21	Cover rail	250 575
3	Main trick wall E14	252 629	22	Cover rail	250 576
4	Pressure slide E12 – E14	252 040	28	Bush	206 090
6	Spring steel wire ø2.0	207 269	30	Needle rail on the left	253 908
7a	Needle 7.2	225 230	31	Needle rail on the right	253 910
7b	Coupling part E14	209 633	34	Stop screw	214 039
9	Intermediate slider with brake E14	237 373	506	Cap screw M4-M5x8	023 379
10	Selection jack E14 with selector spring	224 725	507	Cap screw M5x22	023 193
11	Holding-down jack bed at the rear E7.2	250 920	509	Set screw M3.5x3-1	020 512
12	Holding-down jack bed at the front E7.2	250 919	510*	Cap screw M8X25	020 142
13	Knock-over bit E14	209 649	42*	Disk brush	202 600
14	Holding-down jack trick wall E14	235 262	540*	Cap screw M5x12	020 032
17	Needle rail on the left	237 835	541*	Adjusting washer P6x0.3	023 540
18	Needle rail on the right	237 836	43*	Adjusting bolt	240 765



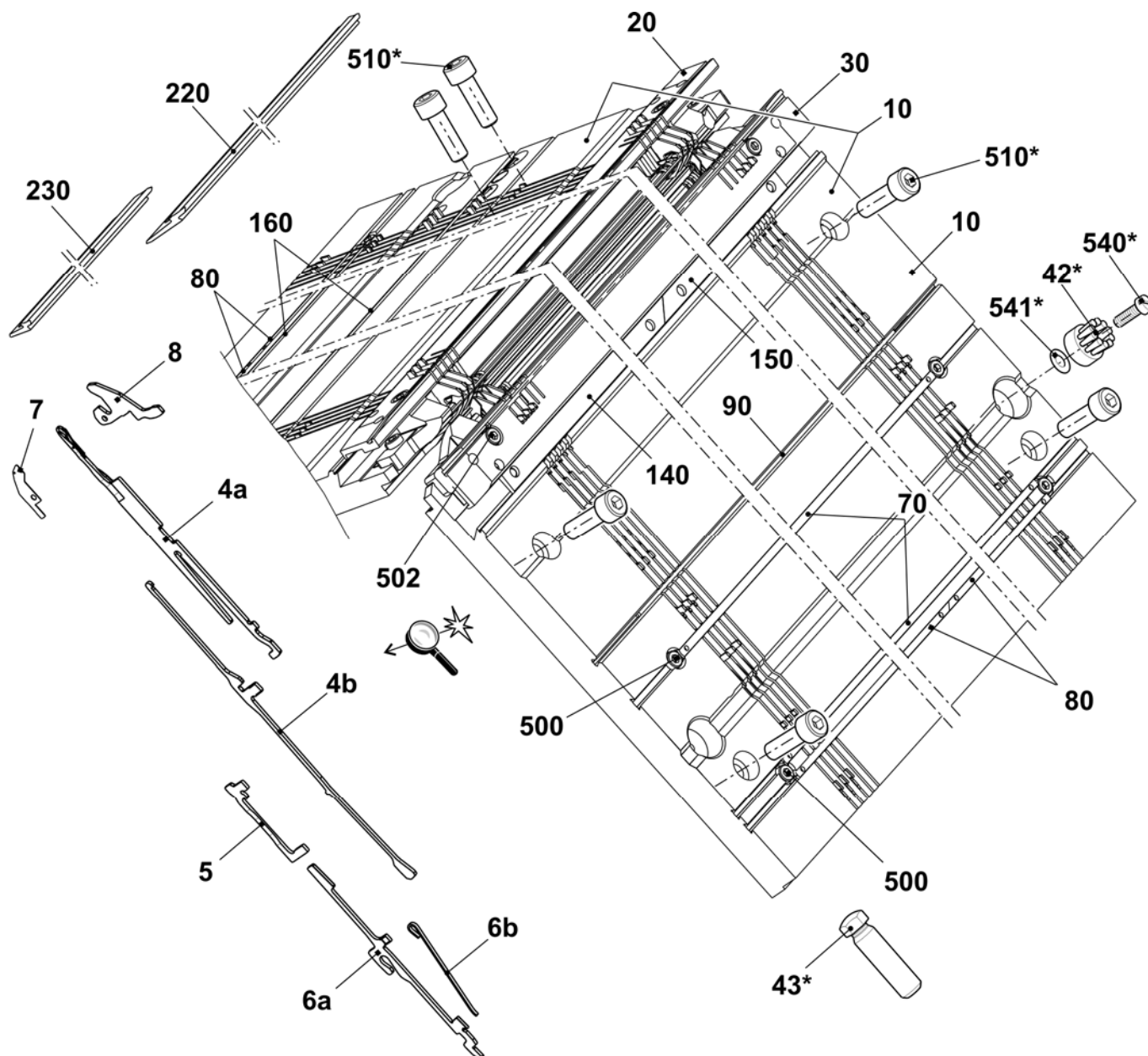
Continuation needle bed E7.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E7.2	252 672	507	Cap screw M5x22	023 193
2	Fixed wire Ø3.4	208 389	508	Cap screw M5x12-8.8	022 943
5	Spring steel wire Ø0.6	208 388	513	Sprung thrust piece	023 177
6	Spring steel wire Ø2.0	207 269	515	Shim 0.02x18.5x345	023 194
15	Limiters on the left E10 – E14	205 764	516	Shim 0.03x18.5x34	023 195
16	Limiters on the right E10 – E14	205 765	517	Shim 0.05x18.5x34	023 196
26	Fixed wire Ø2.8	207 270	518	Shim 0.1x18.5x34	023 197
505	Cap screw M5x8-8.8	023 154	519	Shim 0.2x18.5x34	023 253



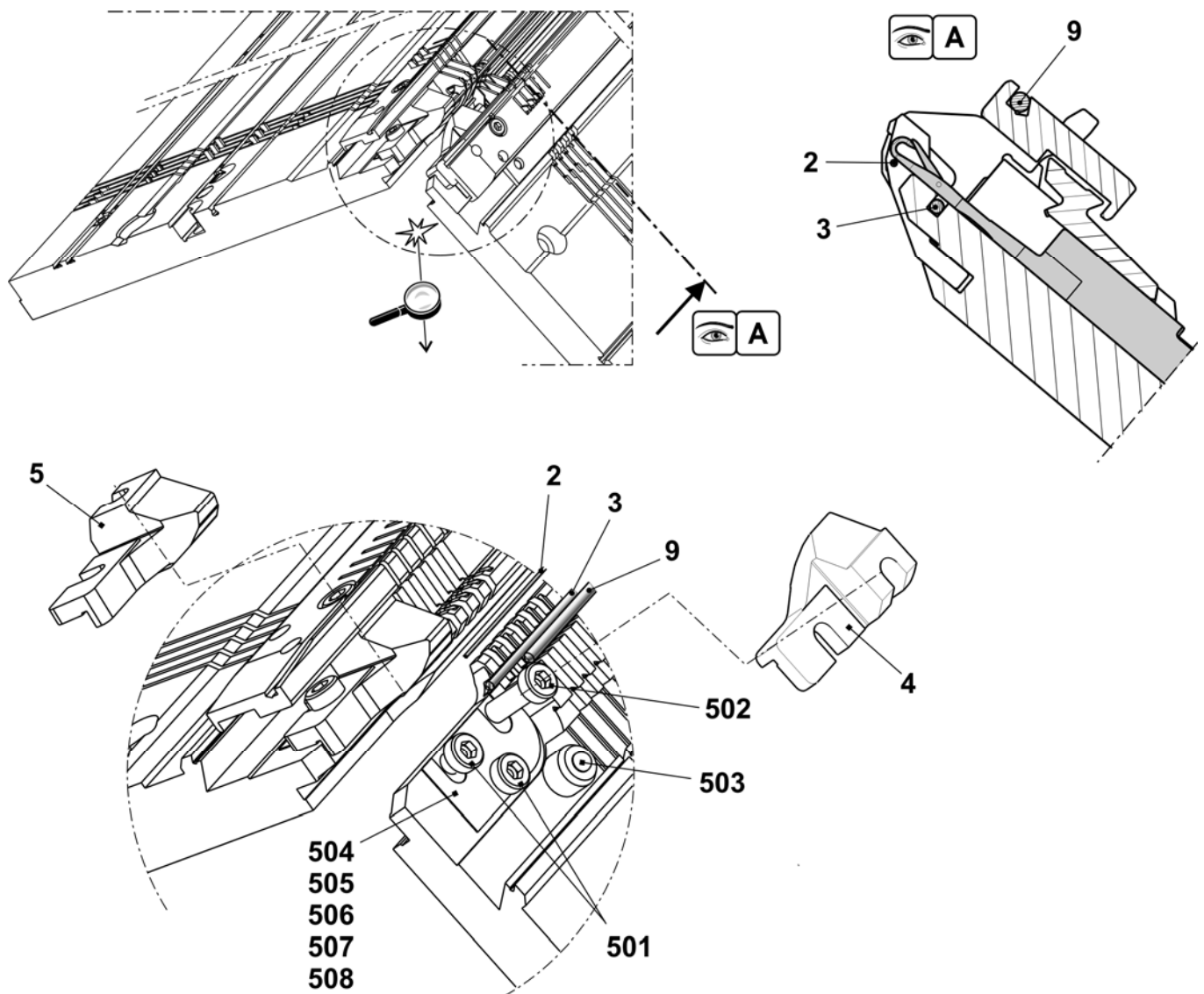
Needle bed E7m.5

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E7m.5	253 949	90	Fixed wire Ø2.8	207 270
4a	Needle E5-6 with round hook	205 396	140	Needle rail on the left	237 835
4b	Coupling part E4-E8	200 682	150	Needle rail on the right	237 836
5	Intermediate slider with brake E5 – E8	237 323	160	Cover rail at the rear	250 572
6a	Selection jack E4 - E8	200 687	220	Needle rail on the left	253 908
6b	Selector spring E4 – E8	200 690	230	Needle rail on the right	253 910
7	Knock-over bit E7	207 055	500	Cap screw M5x10	022 918
8	Holding-down jack E7	205 032	502	Cap screw M5x22	023 193
10	Needle bed at the front + rear E7	251 620	510*	Cap screw M8x25	020 142
20	Holding-down jack bed at the rear E7	250 539	42*	Disk brush	202 600
30	Holding-down jack bed at the front E7	250 538	540*	Cap screw M5x12	020 032
70	Cover rail	250 575	541*	Adjusting washer P6x0.3	023 540
80	Cover rail	250 576	43*	Adjusting bolt	240 765



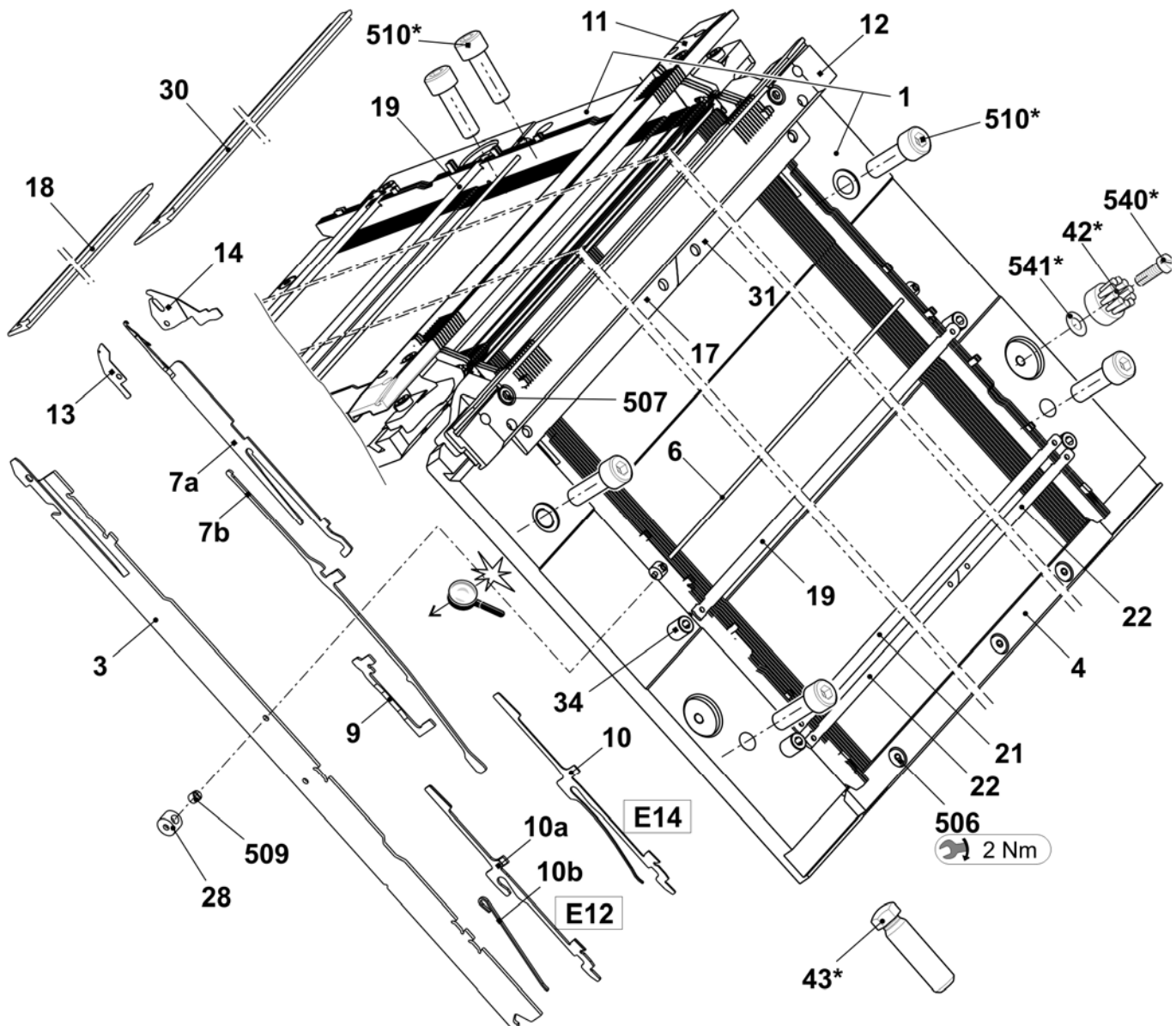
Continuation needle bed E7m.5

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E7m.5	253 949	502	Cap screw M5x22	023 193
2	Spring steel wire $\varnothing$ 0.8	207 483	503	Sprung thrust piece	023 177
3	Spring steel wire $\varnothing$ 2.0	207 269	504	Shim 0.02x18.5x34	023 194
4	Limiter on the left E4-E8	205 343	505	Shim 0.03x18.5x34	023 195
5	Limiter on the right E4-E8	205 344	506	Shim 0.05x18.5x34	023 196
9	Fixed wire $\varnothing$ 2.8	207 270	507	Shim 0.1x18.5x34	023 197
501	Cap screw M5x8	023 154	508	Shim 0.2x18.5x34	023 253



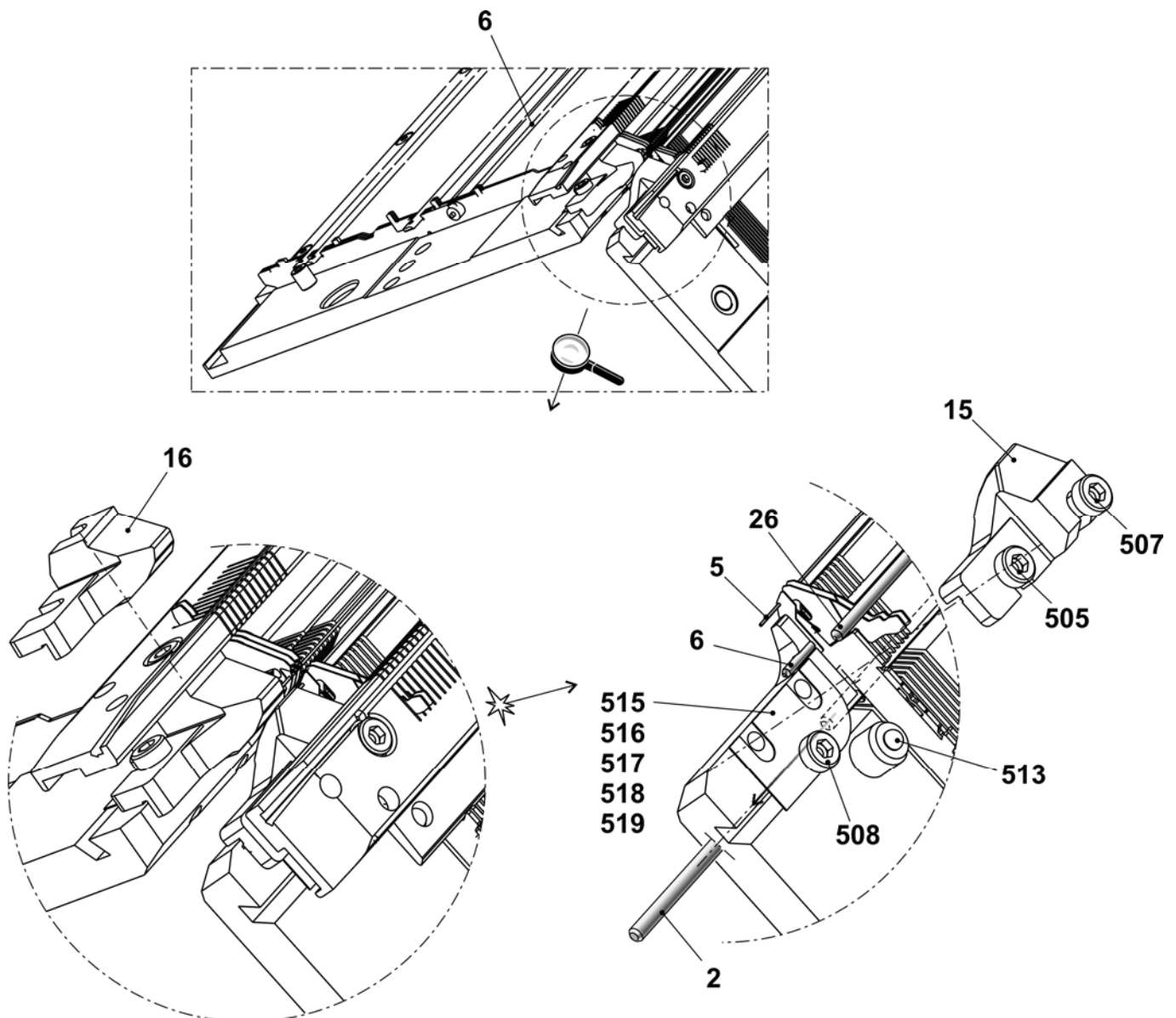
Needle bed E12m.10

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E12m.10	253 942			
1	Needle bed at the front + rear E12	252 064	19	Cover rail at the rear	250 572
3	Main trick wall E12	252 628	21	Cover rail	250 575
4	Pressure slide E12 – E14	252 040	22	Cover rail	250 576
6	Spring steel wire ø2.0	207 269	28	Bush	206 090
7a	Needle E10 with round hook	205 398	30	Needle rail on the left	253 908
7b	Coupling part E10 - E12	200 683	31	Needle rail on the right	253 910
9	Intermediate slider with brake E10-12	237 324	34	Stop screw	214 039
10a	Selection jack E10-12	200 688	506	Cap screw M5x8	023 379
10b	Selector spring E10-12	200 691	507	Cap screw M5x22	023 193
11	Holding-down jack bed at the rear E12	250 545	509	Set screw M3.5x3-1	020 512
12	Holding-down jack bed at the front E12	250 544	510*	Cap screw M8x25	020 142
13	Knock-over bit E12	205 013	42*	Disk brush	202 600
14	Holding-down jack trick wall E12	227 821	540*	Cap screw M5x12	020 032
17	Needle rail on the left	237 835	541*	Adjusting washer P6x0.3	023 540
18	Needle rail on the right	237 836	43*	Adjusting bolt	240 765



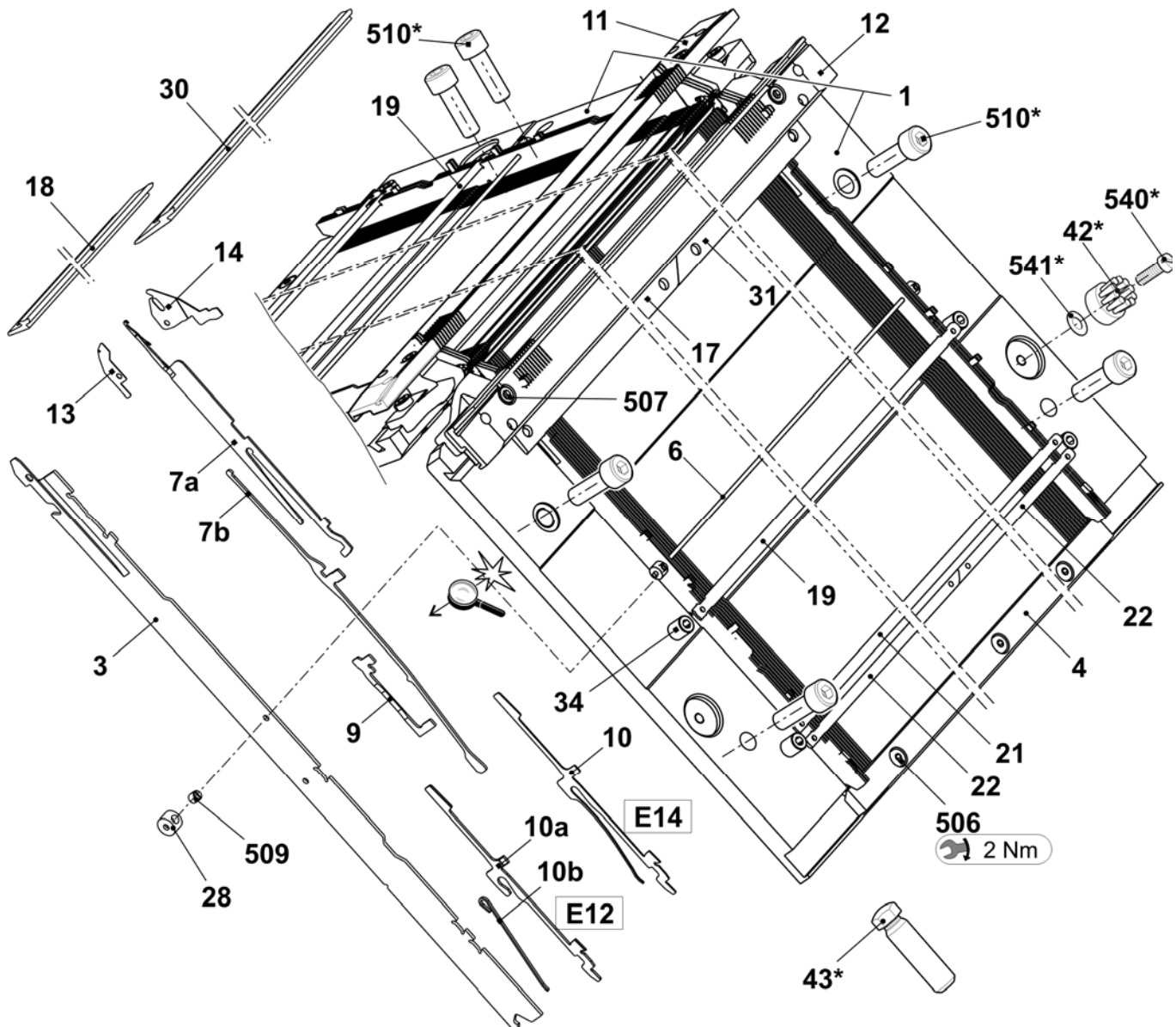
Continuation needle bed E12m.10

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E12m.10	253 942	507	Cap screw M5x22	023 193
2	Fixed wire Ø3.4	208 389	508	Cap screw M5x12-8.8	022 943
5	Spring steel wire Ø0.6	208 388	513	Sprung thrust piece	023 177
6	Spring steel wire Ø2.0	207 269	515	Shim 0.02x18.5x345	023 194
15	Limiter on the left E10 – E14	205 764	516	Shim 0.03x18.5x34	023 195
16	Limiter on the right E10 – E14	205 765	517	Shim 0.05x18.5x34	023 196
26	Fixed wire Ø2.8	207 270	518	Shim 0.1x18.5x34	023 197
505	Cap screw M5x8-8.8	023 154	519	Shim 0.2x18.5x34	023 253



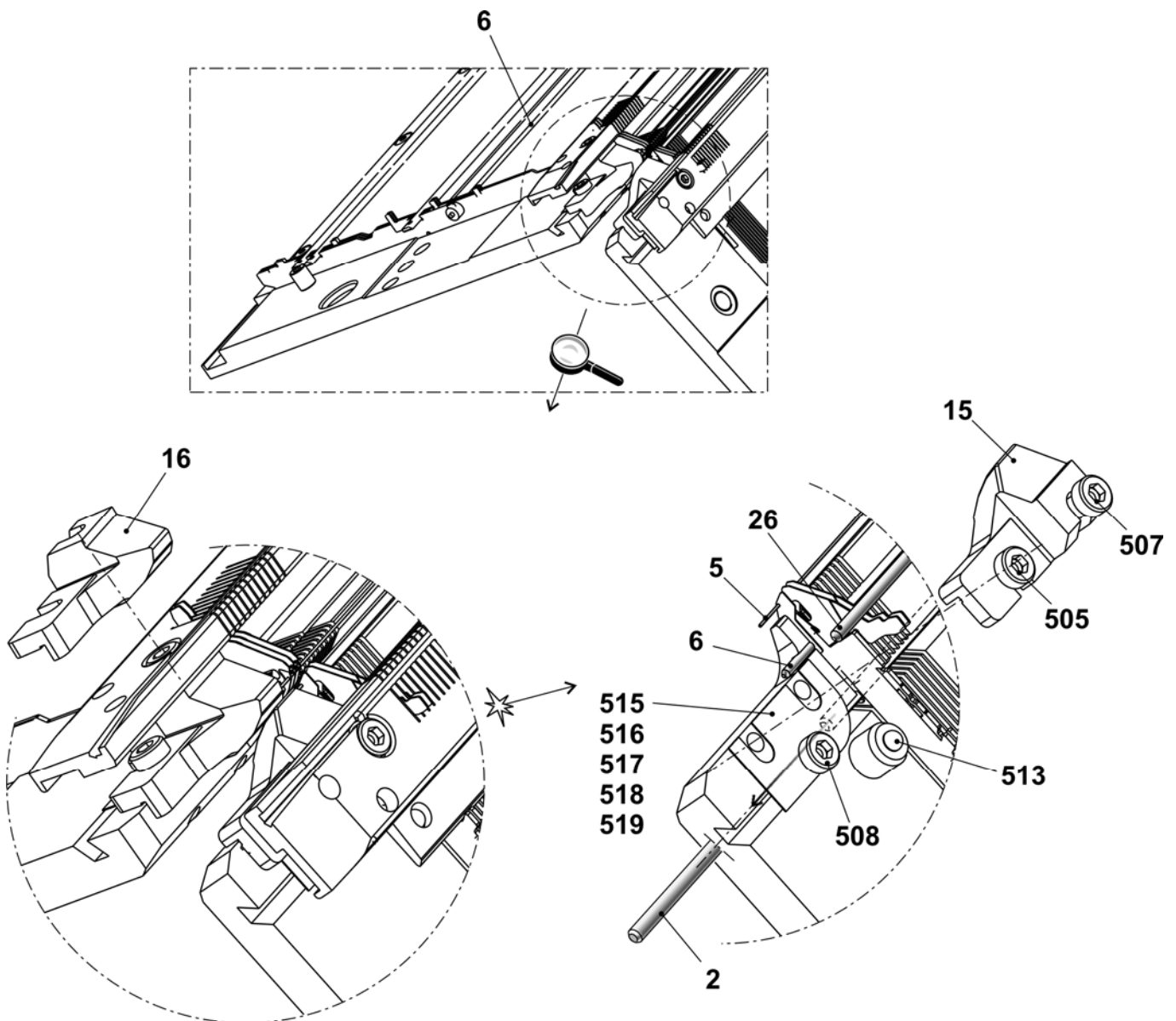
Needle bed E14/12

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E14/12	253 943	19	Cover rail at the rear	250 572
1	Needle bed at the front + rear E14	251 587	21	Cover rail	250 575
3	Main trick wall E14	252 629	22	Cover rail	250 576
4	Pressure slide E12 – E14	252 040	28	Bush	206 090
6	Spring steel wire ø2.0	207 269	30	Needle rail on the left	253 908
7a	Needle E14/12	227 756	31	Needle rail on the right	253 910
7b	Coupling part E14	209 633	34	Stop screw	214 039
9	Intermediate slider with brake E14	237 373	506	Cap screw M4-M5x8	023 379
10	Selection jack E14 with selector spring	224 725	507	Cap screw M5x22	023 193
11	Holding-down jack bed at the rear E7.2	250 920	509	Set screw M3.5x3-1	020 512
12	Holding-down jack bed at the front E7.2	250 919	510*	Cap screw M8X25	020 142
13	Knock-over bit E14	209 649	42*	Disk brush	202 600
14	Holding-down jack trick wall E14	235 262	540*	Cap screw M5x12	020 032
17	Needle rail on the left	237 835	541*	Adjusting washer P6x0.3	023 540
18	Needle rail on the right	237 836	43*	Adjusting bolt	240 765



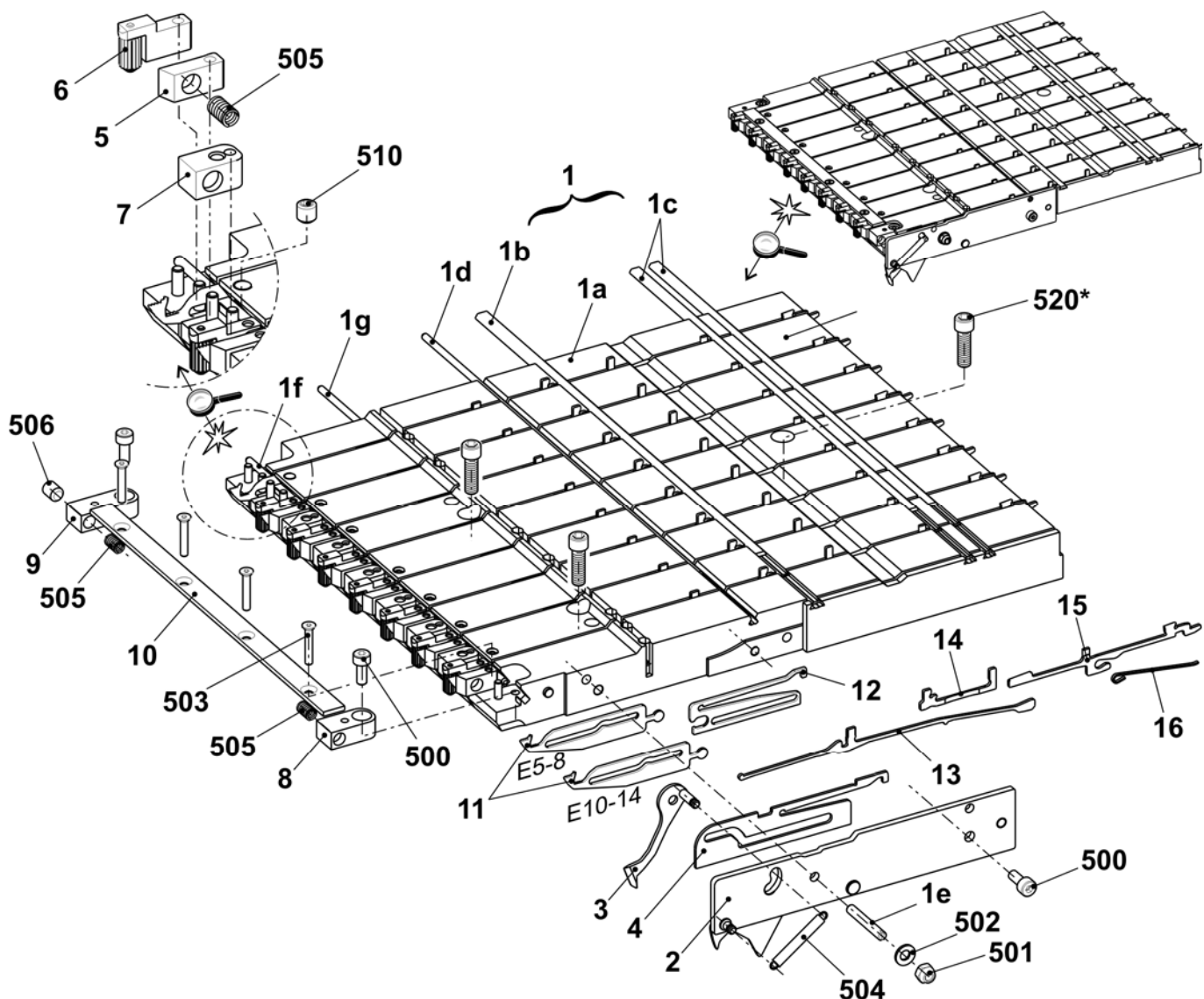
Continuation needle bed E14/12

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E14/12	253 943	507	Cap screw M5x22	023 193
2	Fixed wire Ø3.4	208 389	508	Cap screw M5x12-8.8	022 943
5	Spring steel wire Ø0.6	208 388	513	Sprung thrust piece	023 177
6	Spring steel wire Ø2.0	207 269	515	Shim 0.02x18.5x345	023 194
15	Limiter on the left E10 – E14	205 764	516	Shim 0.03x18.5x34	023 195
16	Limiter on the right E10 – E14	205 765	517	Shim 0.05x18.5x34	023 196
26	Fixed wire Ø2.8	207 270	518	Shim 0.1x18.5x34	023 197
505	Cap screw M5x8-8.8	023 154	519	Shim 0.2x18.5x34	023 253



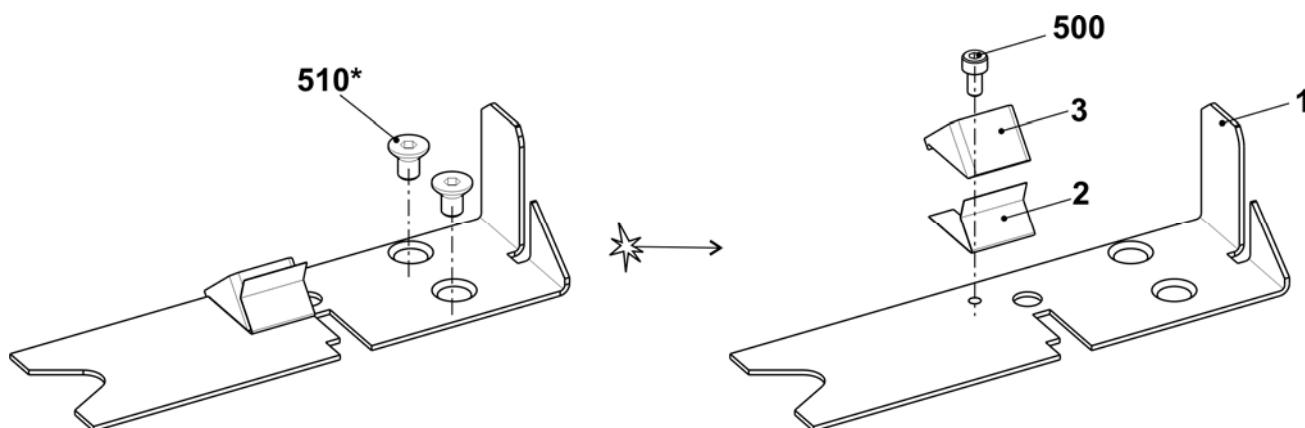
Clamping/cutting bed

Pos	Designation	ID	Pos	Designation	ID
Σ	Clamping/cutting bed on the right		8	Spring holder	244 032
	E5-E8, E3.5.2+E7m.5	253 241	9	Spring holder	244 590
	E10-E14, E6.2+E7.2+E12m.10+E14/12	253 243	10	Holding strip	253 176
1	Guide plate EPT on the right	253 154	11	Tuck needle on the right E5-8	255 036
1a	Guide plate on the right	251 410		Tuck needle on the right E10-14	255 038
1b	Cover rail	253 173	12	Intermediate cam	244 591
1c	Cover rail	253 174	13	Coupling part E4-8 (E10-14)	200 682
1d	Fixed wire	253 172	14	Intermediate slider with brake E5-8 (E10-14)	237 323
1e	Guide pin	211 351	15	Coupling part E4-8 (E10-14)	200 687
1f	Fixed wire	253 171	16	Selector spring E4-8 (E10-14)	200 690
1g	Fixed wire	215 927	500	Cap screw M4x10	023 136
510	Set screw M5x5	236 061	501	Hexagon nut M4	023 046
2	Cover on the right co.	251 119	502	U-washer 4	020 870
3	Catch hook on the right E10-14 (E5-8)	251 378	503	Countersunk screw M3x18	242 728
4	Slider E5-14	253 084	504	Tension spring 4x0.55x18.9	023 392
5	Blade	243 948	505	Compression spring 0.7x4.3x12.1	023 521
6	Clamp on the right co.	244 602	506	Set screw M6x8	022 581
7	Intermediate piece	251 446	520*	Cap screw M6x20	244 824



Yarn brake at clamping/cutting bed

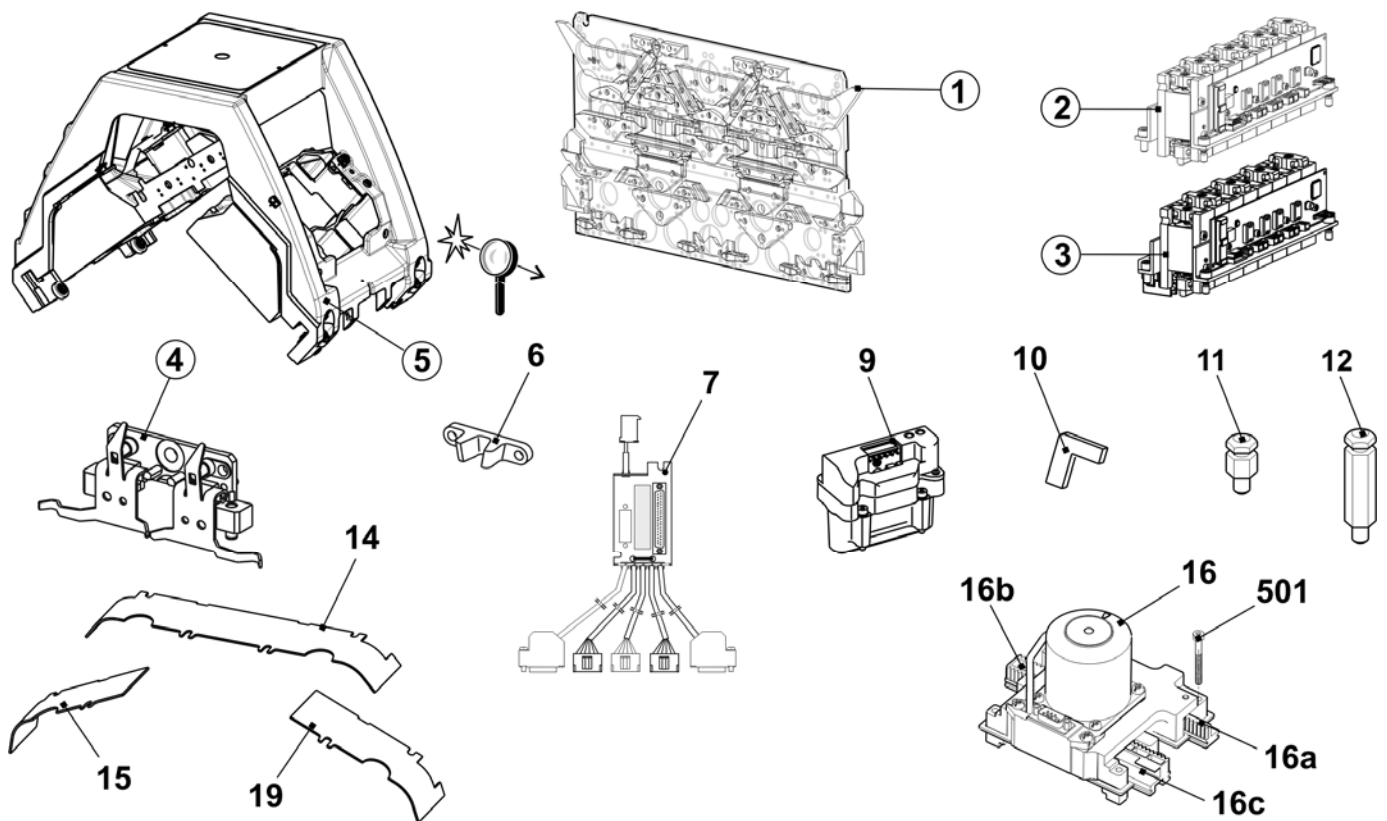
Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn brake on the right	240 021	3	Clamping part	232 165
1	Cover on the right	240 022	500	Cap screw M4x8	022 501
2	Leaf spring	232 164	510*	Countersunk screw M6x10	023 016



Carriage

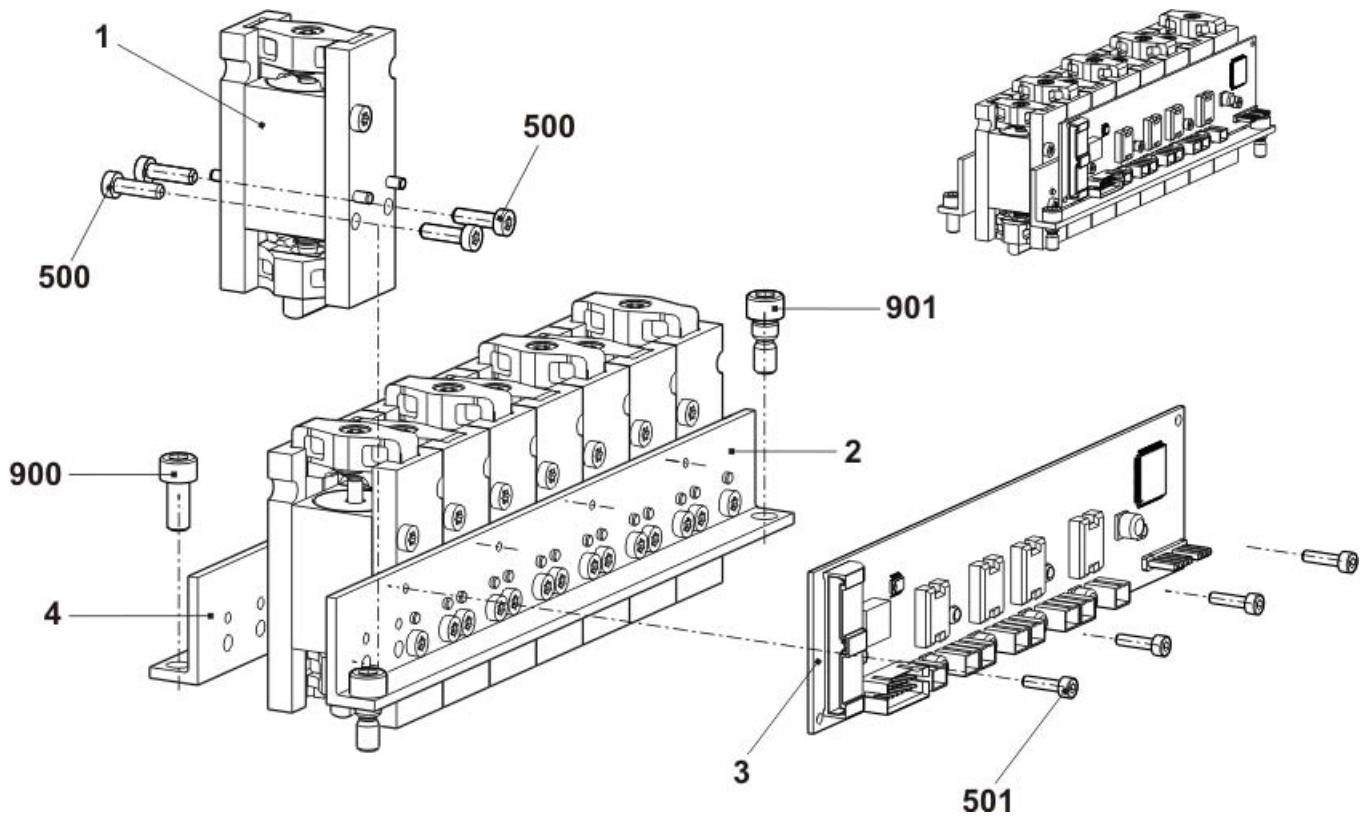
Overview of carriage

Pos	Designation	ID	Pos	Designation	ID
	Carriage co.		1	Cam box co.	
	E3,5.2 + E5 + E7m.5	252 709		E5 + E3,5.2 + E7m.5	250 983
	E7	253 932		E7-8	250 673
	E12	252 994		Cam box set co. E12	251 016
	E14 + E14/12	253 774		E14 + E14/12	250 313
	E6.2	253 934		E6.2	250 990
	E7.2	252 732		E7.2	250 968
	E12m.10	253 933		Cam box set co. E12m.10	250 985
2	YC driving outside co.	241 080	12	Bolt	212 204
3	YC driving in the middle co.	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 co.	252 710	16	Motor unit co.	211 017
6	Plunger	210 559	16a	Gear rack at the top	209 781
7	Distributor at the back and the front	252 009	16b	Gear rack in the middle	209 782
9	Selection system co.	216 218	16c	Gear rack at the bottom	209 783
10	Wiper (felt)	241 411	19	Cover plate at the bottom	251 127
11	Bolt	212 392	501	Cap screw M4x30	023 290



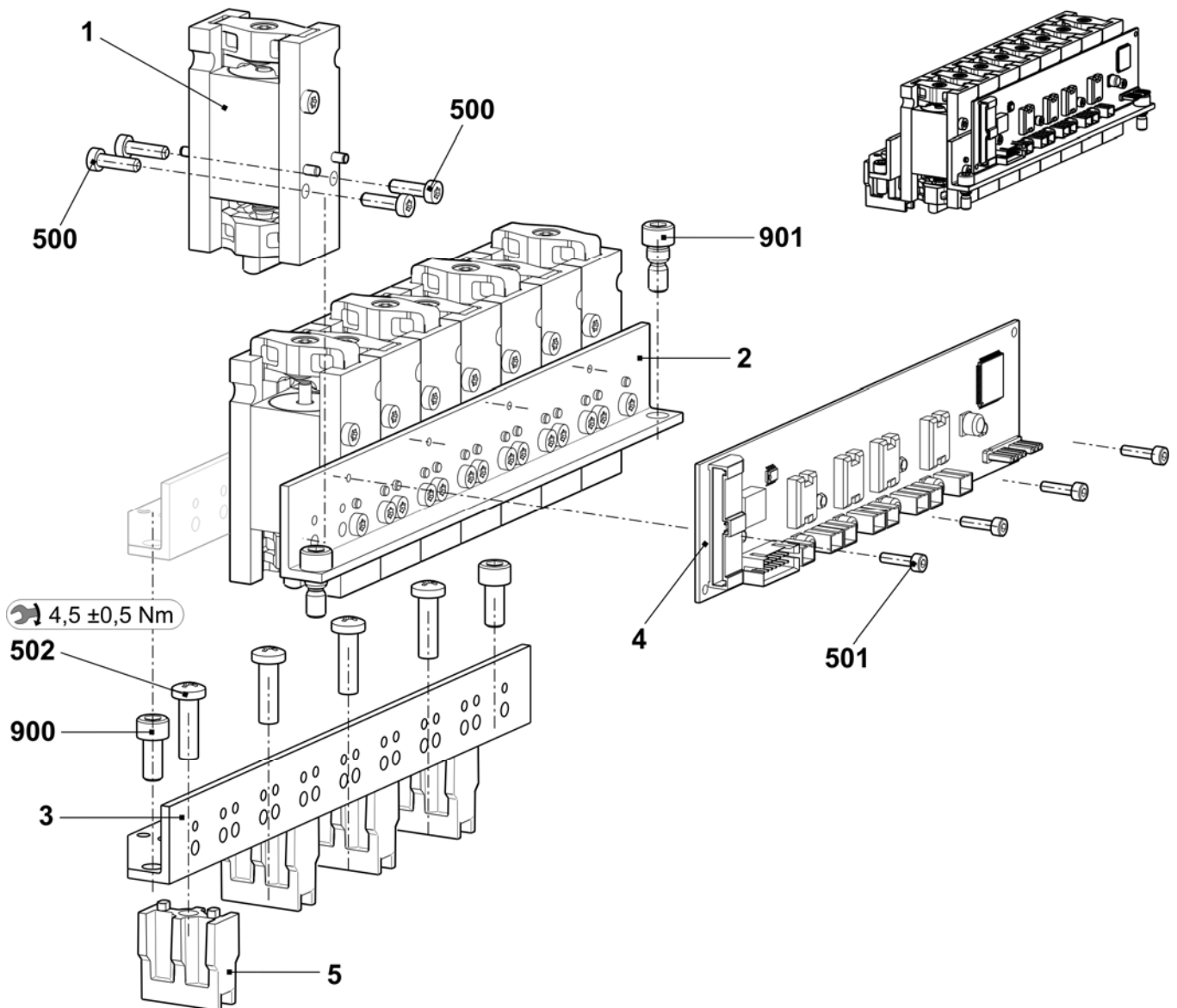
Yarn carrier driving without guiding part

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



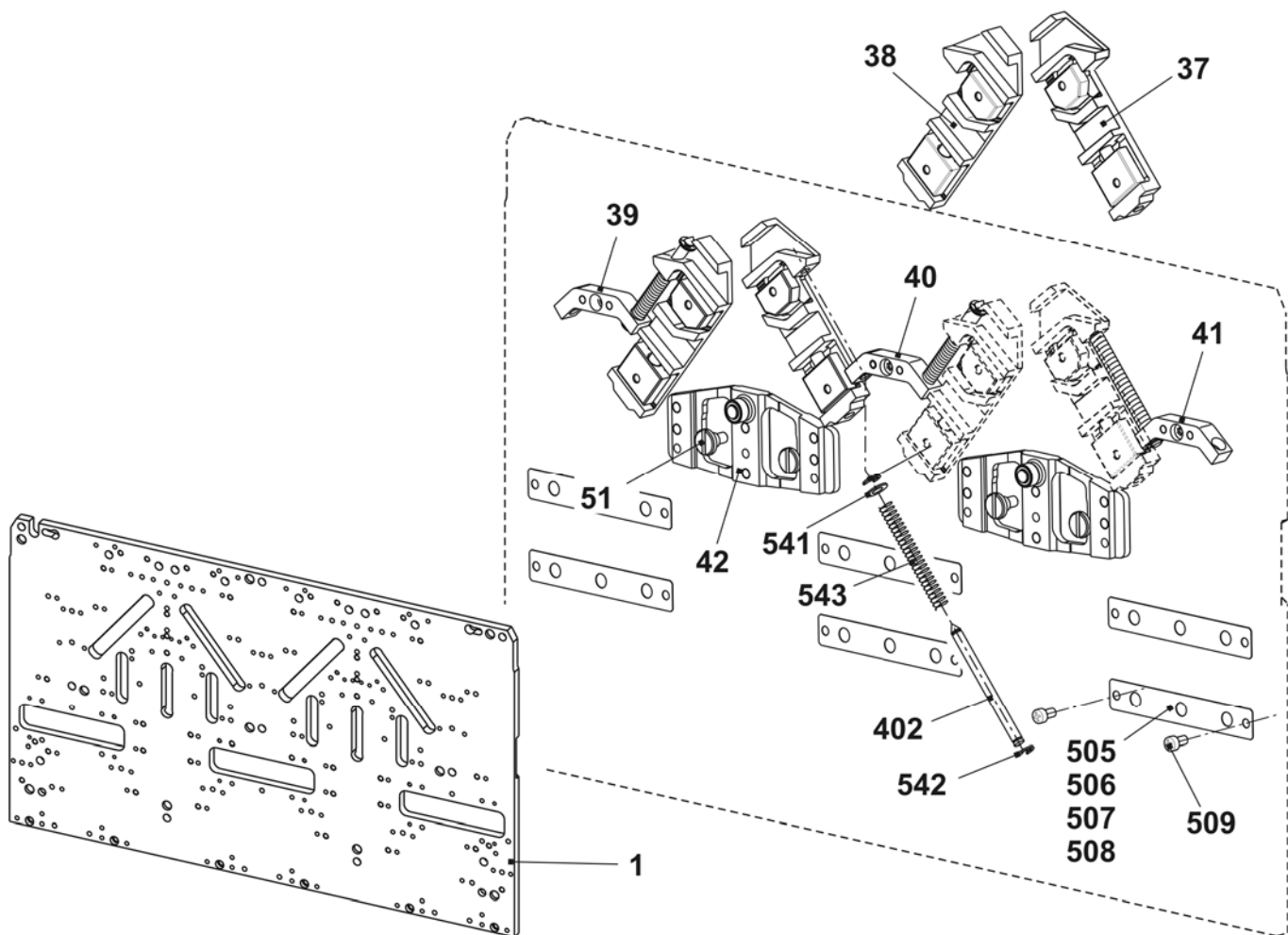
Yarn carrier driving with guiding part

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



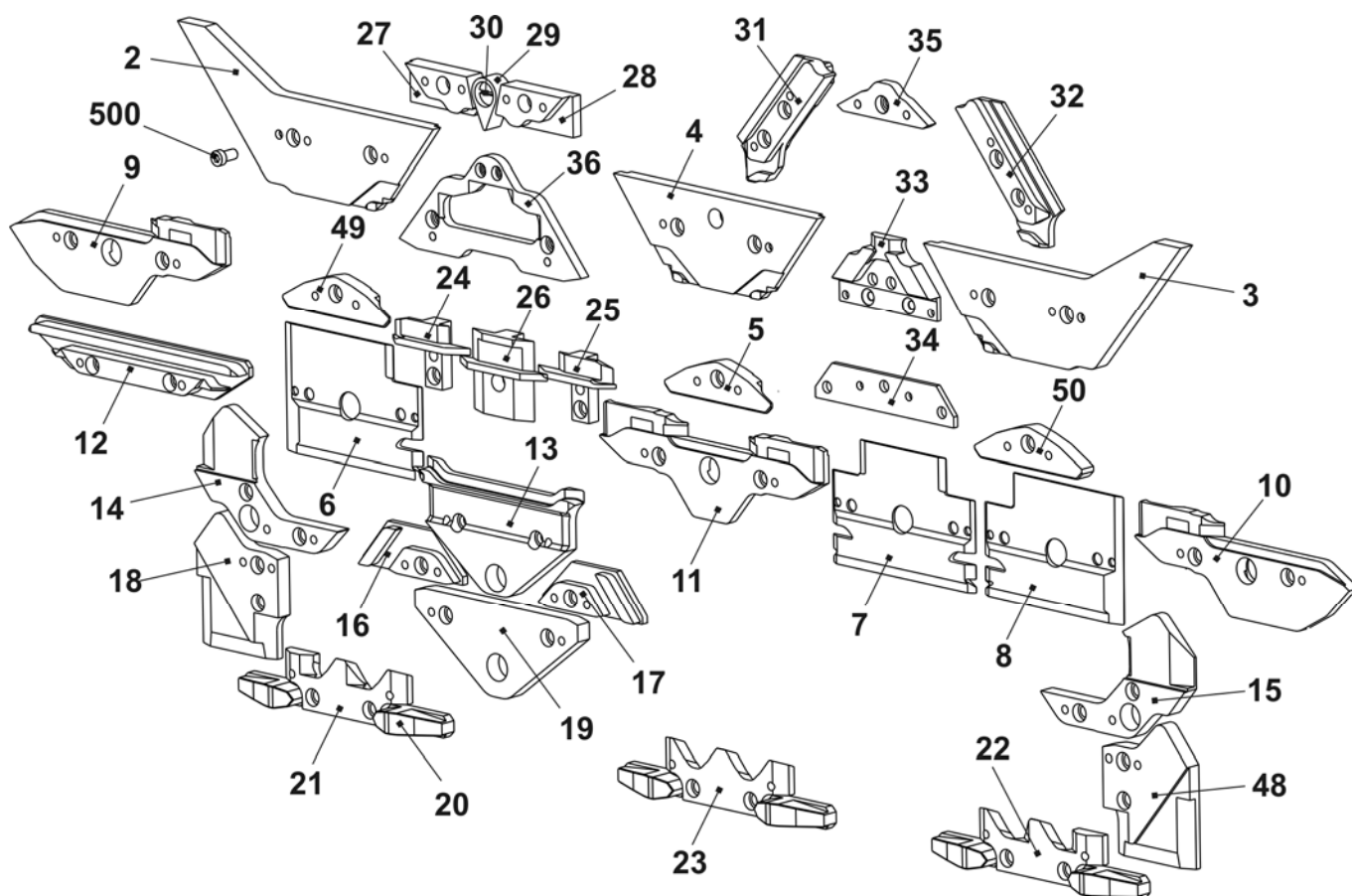
Cam box E5 and E3,5.2+E7m.5

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box co. E5 (E3,5.2+E7m.5)	250 983	42	Switching piece	240 281
1	Cam plate	250 177	51	Shoulder screw	239 626
37	Stitch forming cam on the right co. E5 - E10	211 163	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left co. 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			



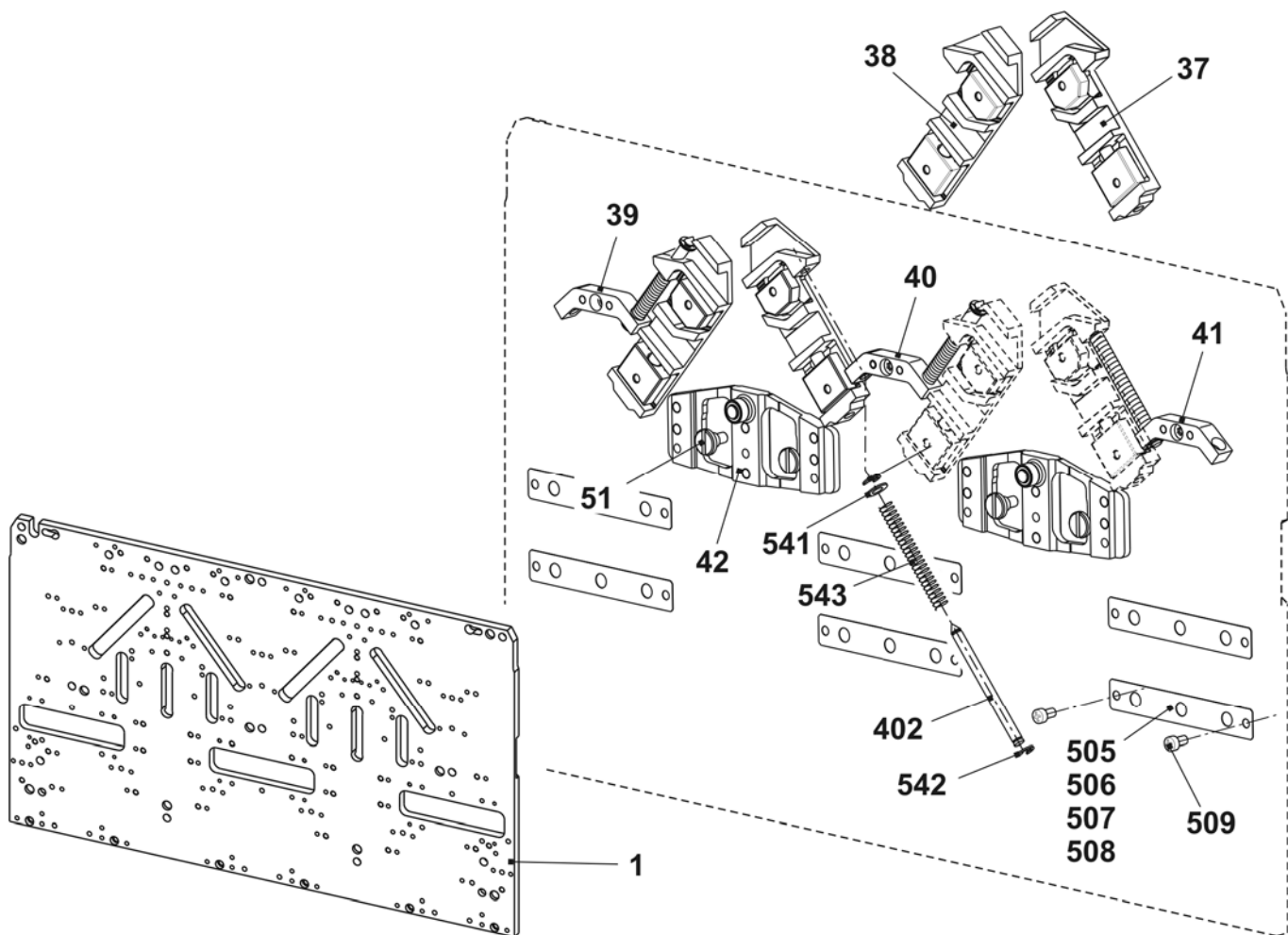
Continuation cam box E5 and E3,5.2 + E7m.5

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box co. E5	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	253 517
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	253 516
17	Cam on the right	236 193		Knitting raising cam with split E5	255 174
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



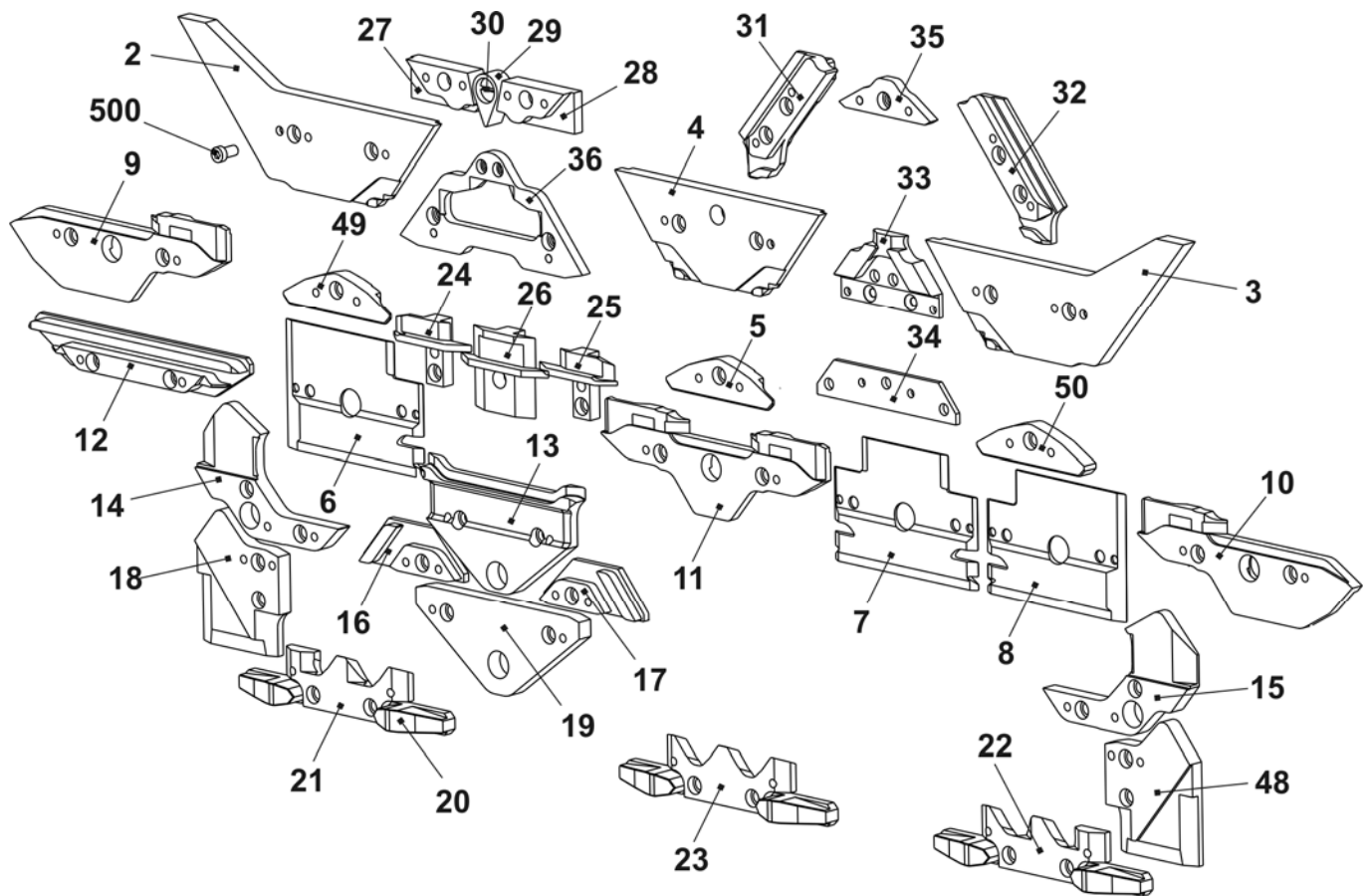
Cam box E7

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box co. 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 co. E5 - E10	211 163	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left co. 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			



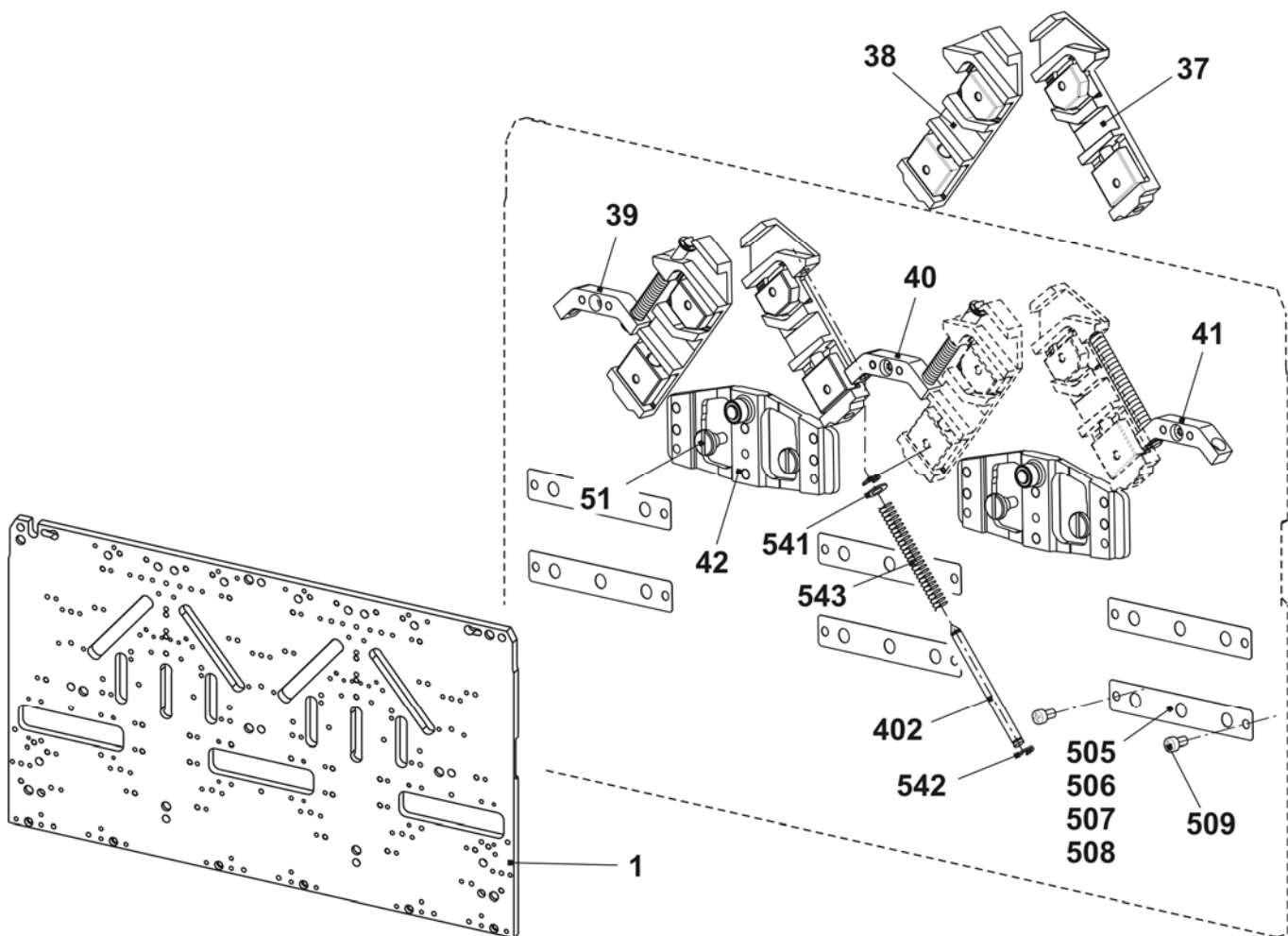
Continuation cam box E7

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box co. 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	255 056
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	255 055
16	Cam on the left	236 192		Knitting raising cam with split E7-8 (accessories)	255 192
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 E5-8	213 161
19	Cam	210 252	50	Entry cam on the right E5-8	213 162
20	Offering cam	210 185	500	Cap screw M4x8	020 091
21	Selector cam on the left	212 944			



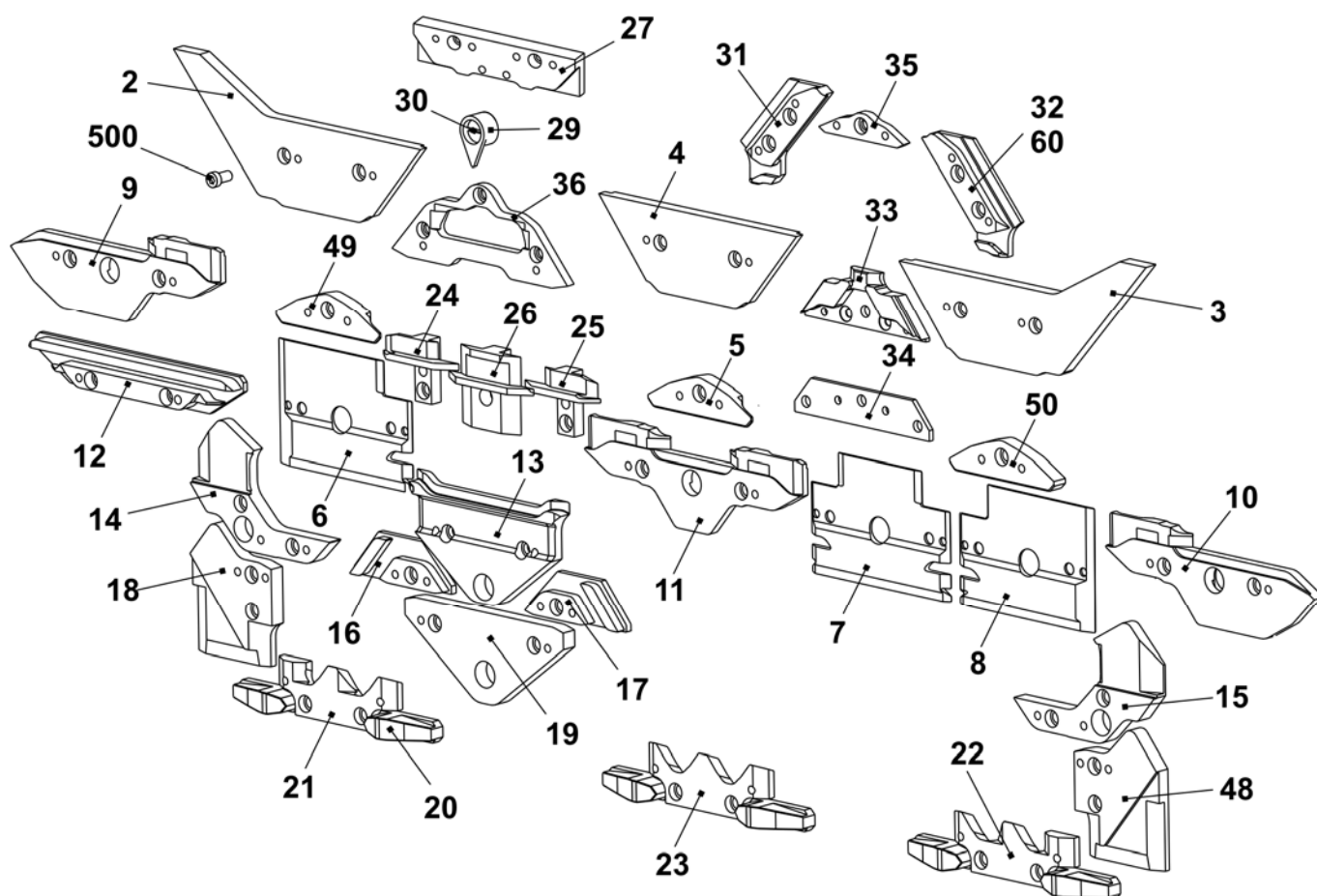
Cam box E12

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set co. 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 co. E12 – E14	214 088	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left co. 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 guidance part 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			



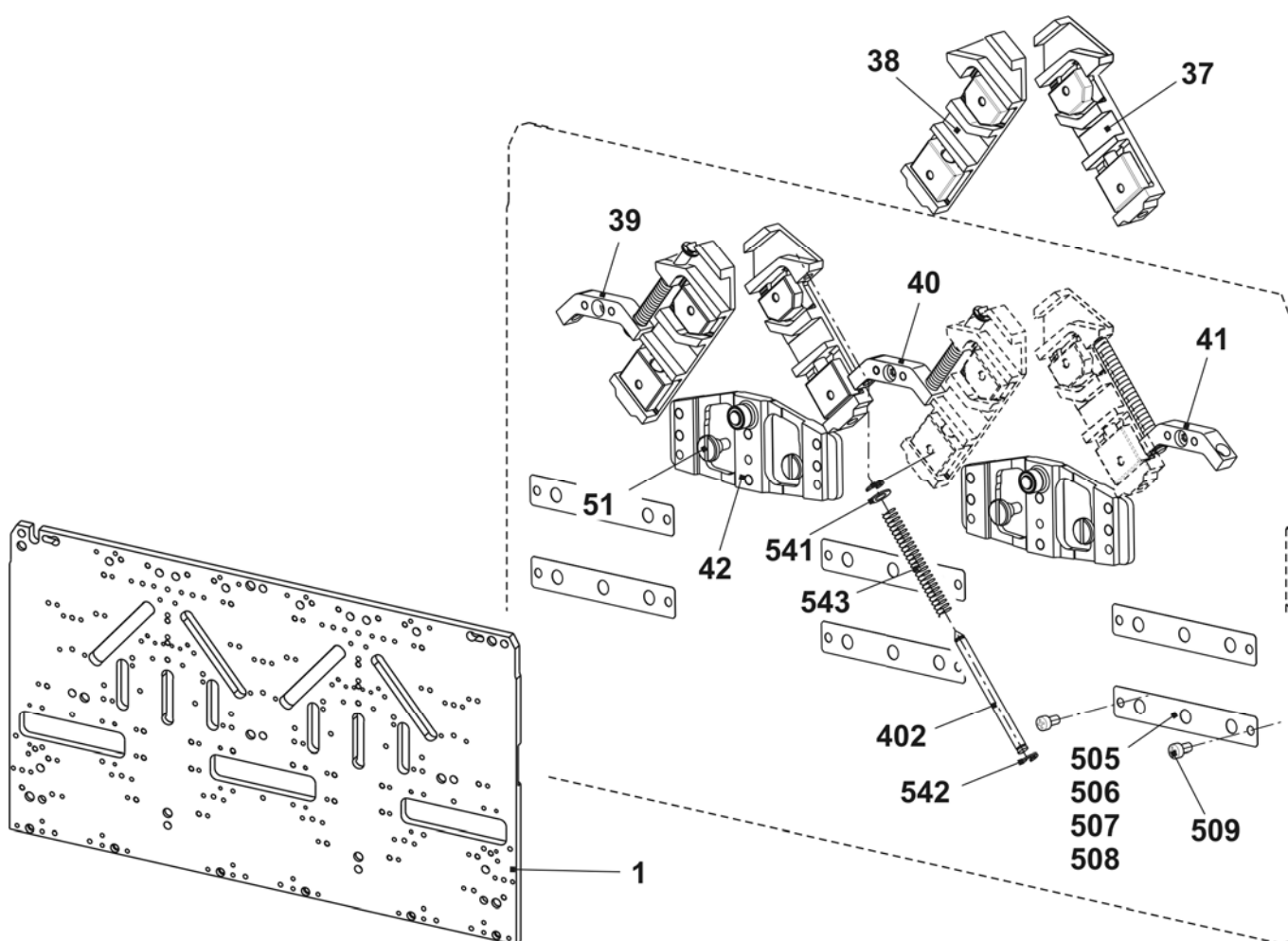
Continuation cam box E12

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set co. 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		Knitting raising cam with split E10 – E12 (accessories)	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	60	Stitch cam at the rear on the right E10 - E12	236 320
20	Offering cam	210 185	500	Cap screw M4x8	020 091
21	Selector cam on the left	212 944			



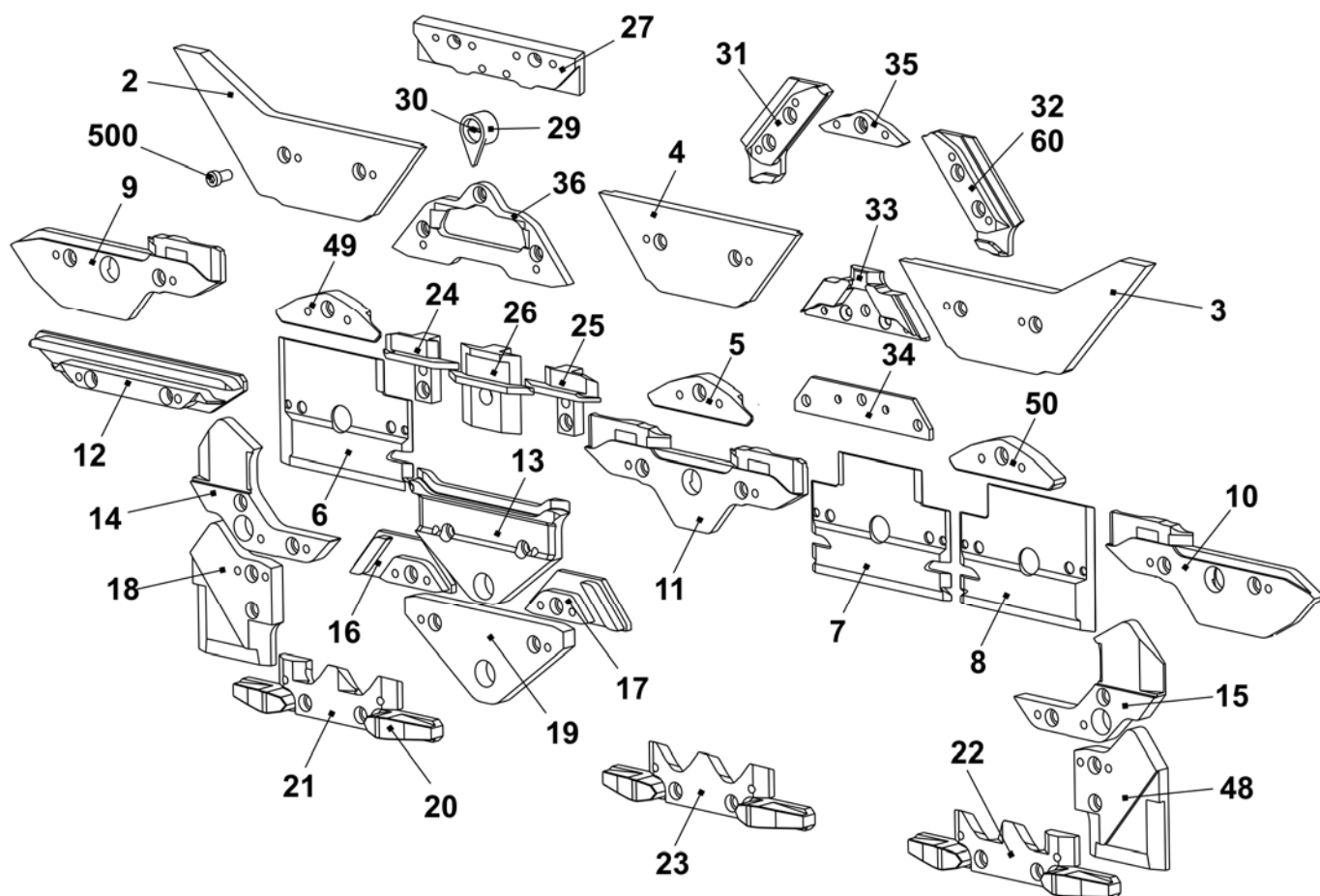
Cam box E14 + E14/12

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box E14 (E14/12)	250 313			
1	Cam plate	250 177	42	Switching piece	240 281
37	Stitch forming cam on the right co. E12 – E14	214 088	51	Shoulder screw	239 626
38	Stitch forming cam on the left co. E12 – E14	214 089	505	Shim 0.03x12x75	022 828
39	Rod guide element on the left	211 165	506	Shim 0.05x12x75	022 829
40	Rod guide element in the middle	211 166	507	Shim 0.1x12x75	022 830
41	Rod guide element on the right	211 168	508	Shim 0.2x12x75	022 831
402	Spring rod	209 791	509	Countersunk screw M3x4	023 142
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



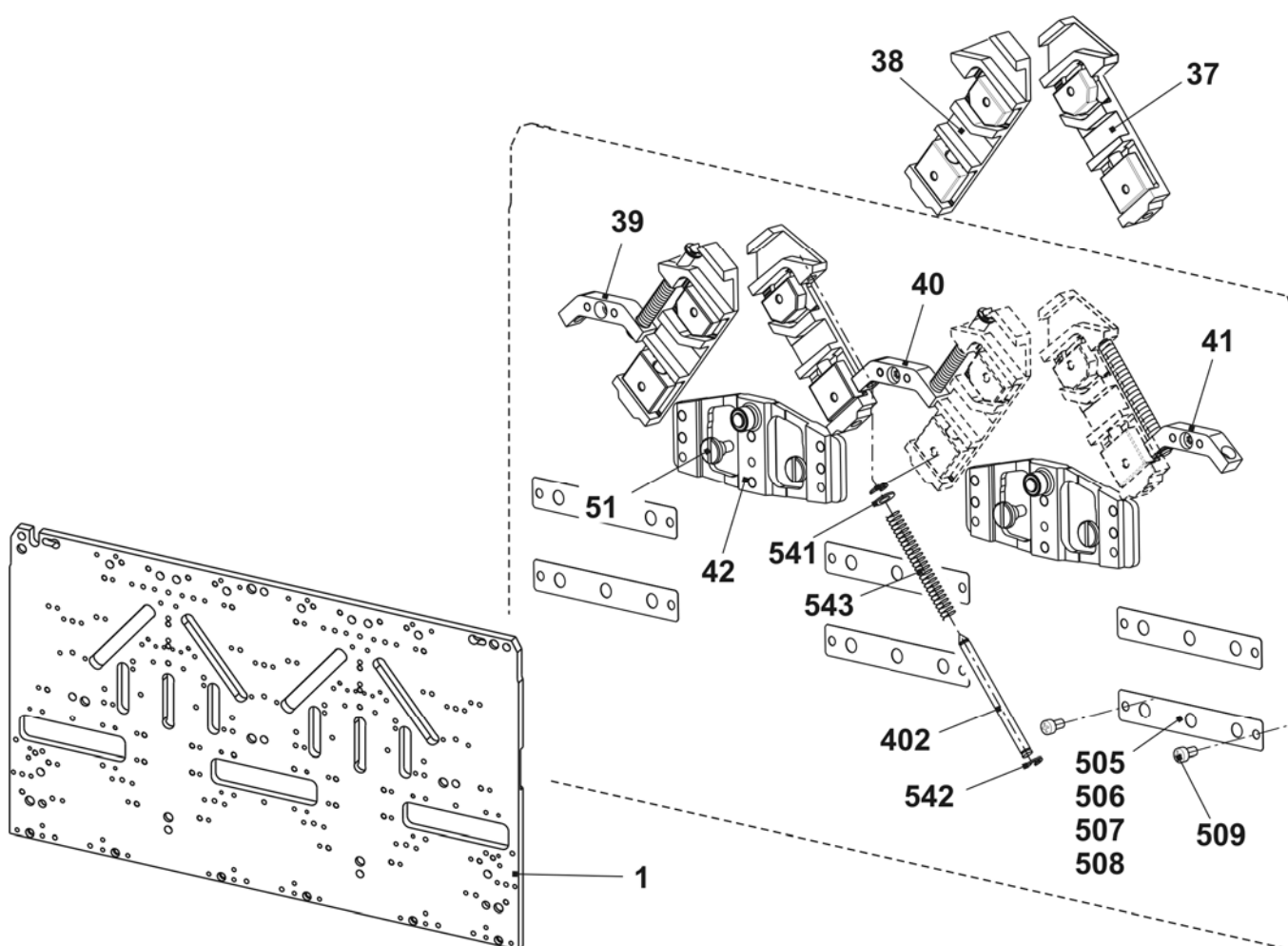
Continuation cam box E14 + E14/12

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box E14 (E14/12)	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		Knitting raising cam with split E14 (accessories)	214 212
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			
21	Selector cam on the left	212 944			



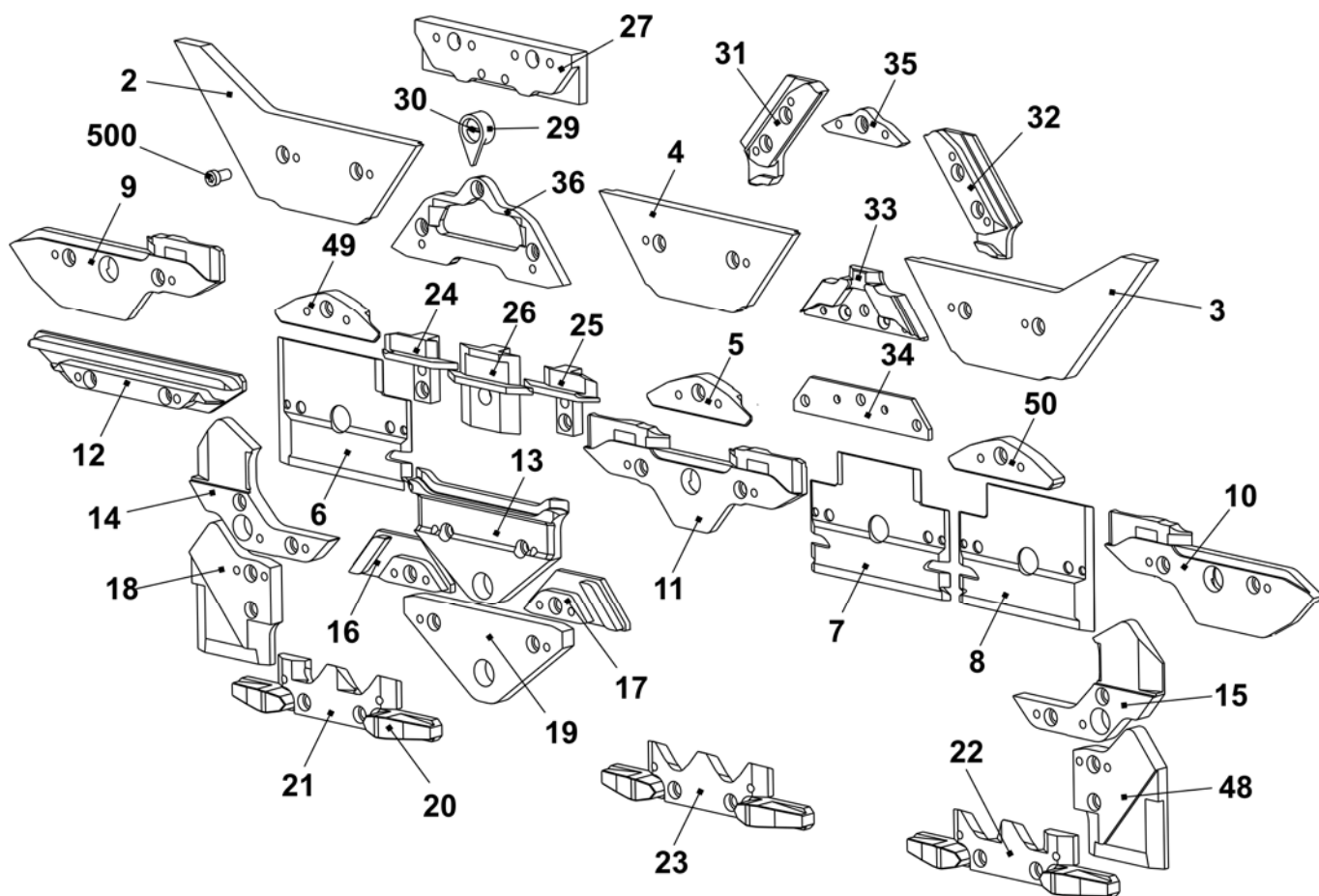
Cam box E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box co. 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 co. E12-14	214 088	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left co. 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			



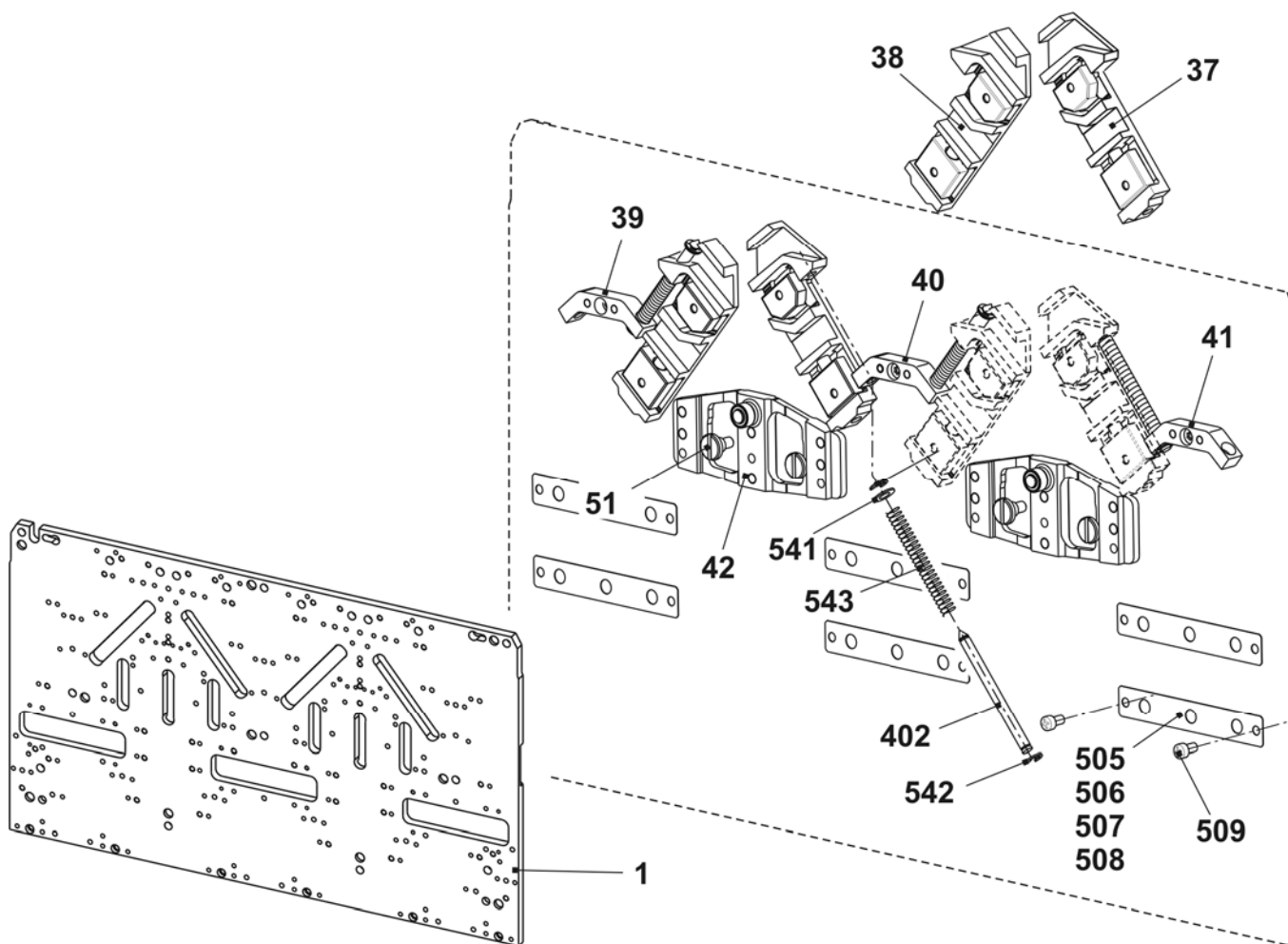
Continuation cam box E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box co. 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



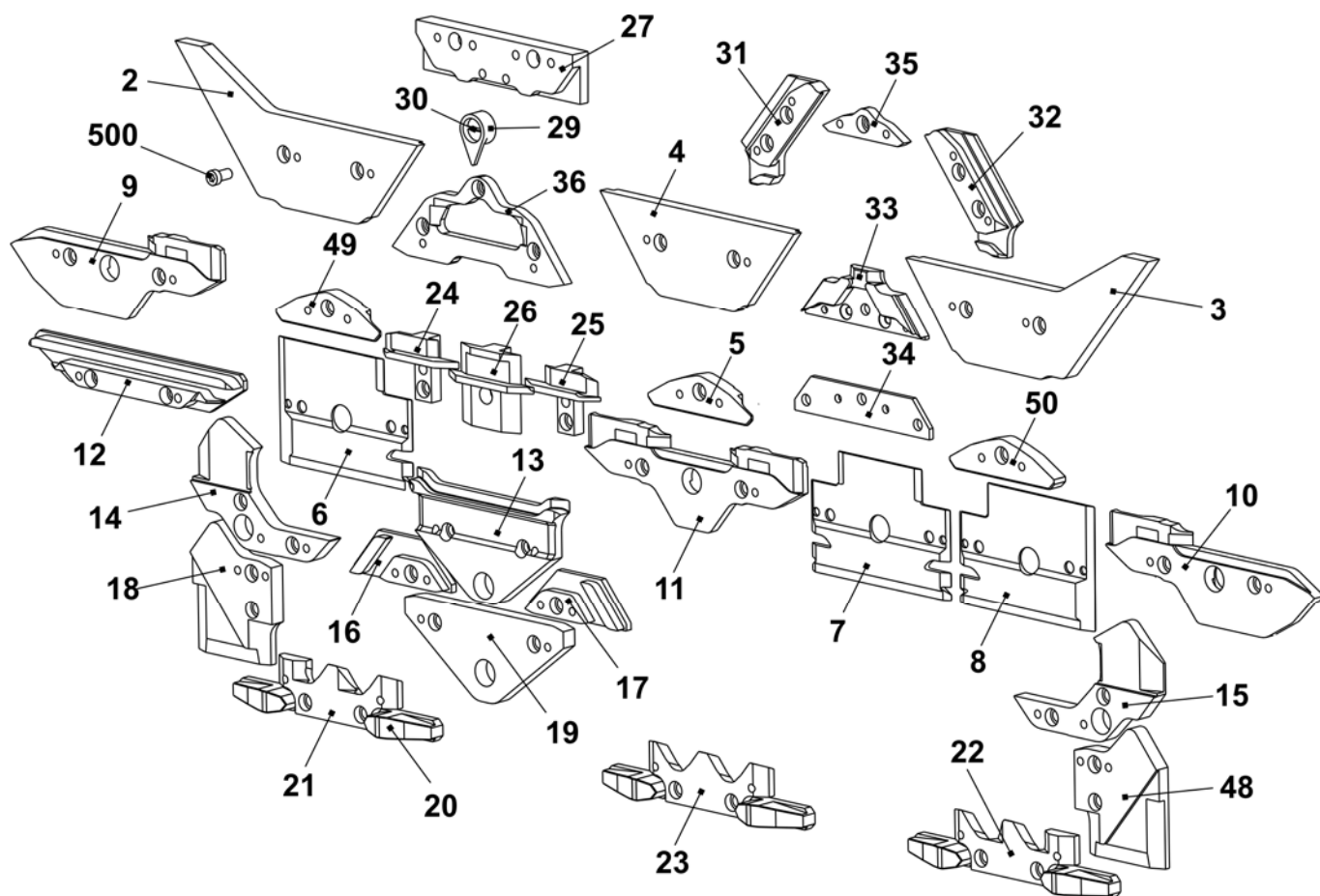
Cam box E7.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box co. 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 co. E12-14	214 088	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left co. 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			



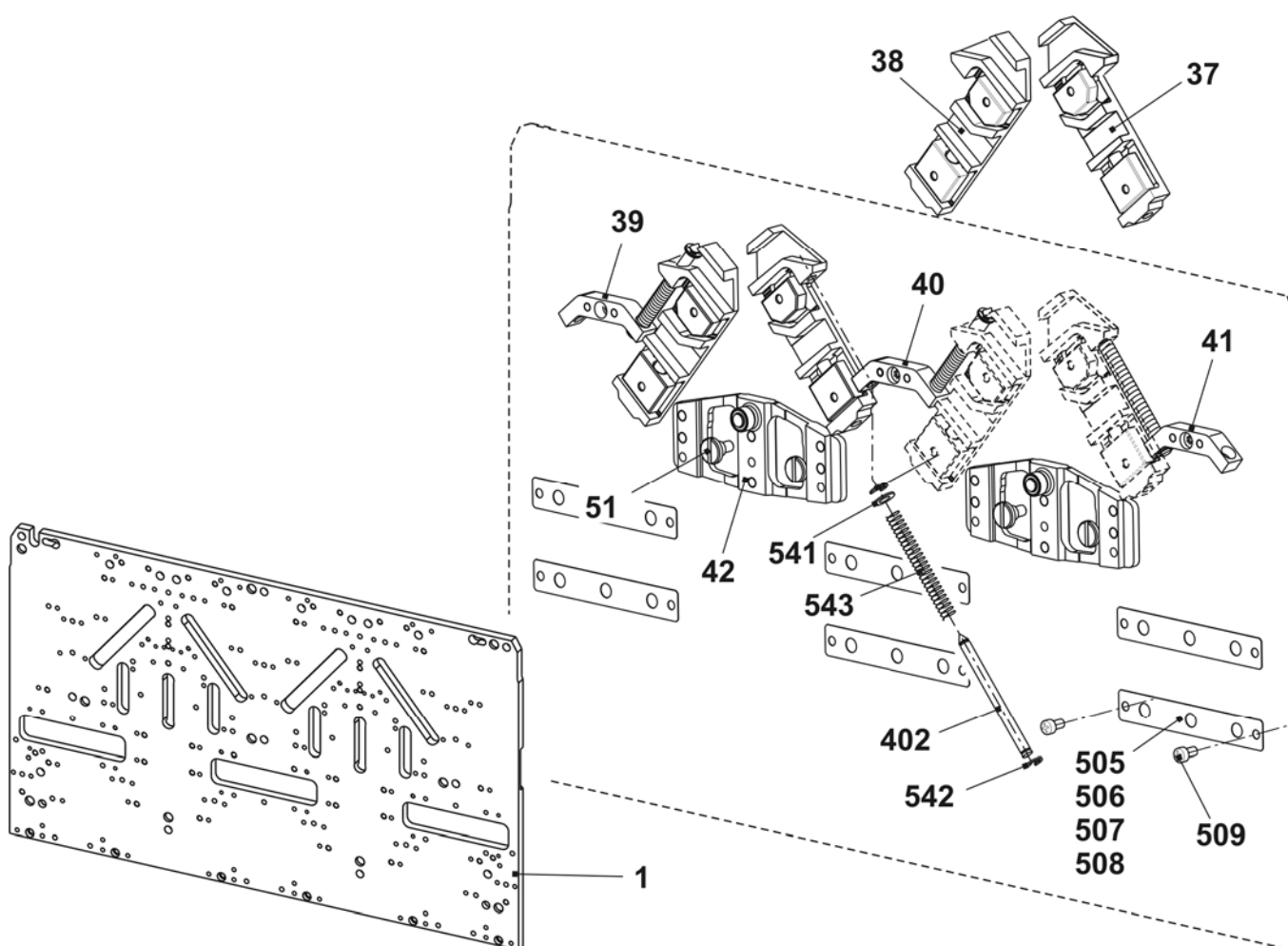
Continuation cam box E7.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box co. 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



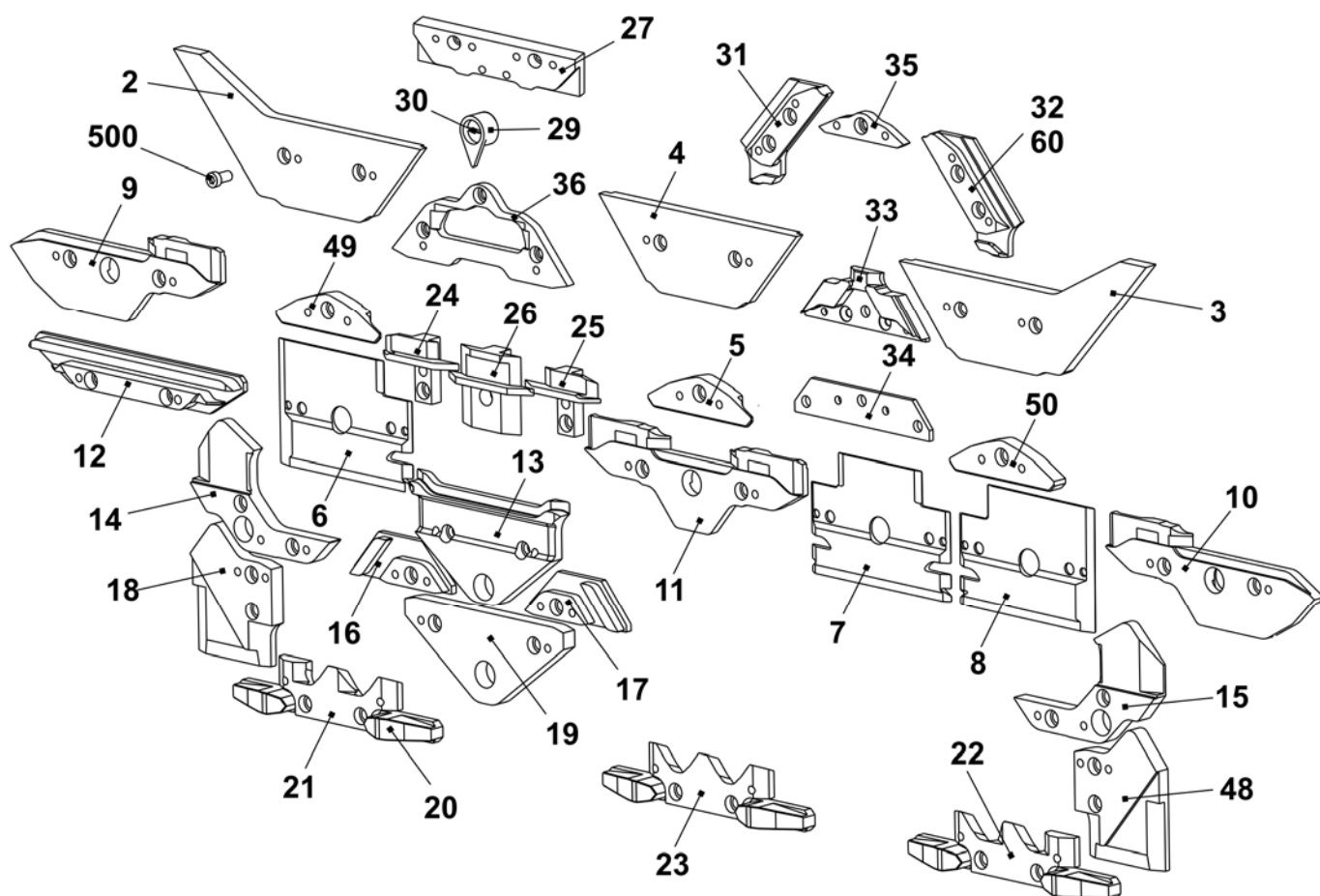
Cam box E12m.10

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set co. 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 co. E12 – E14	214 088	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left co. 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			



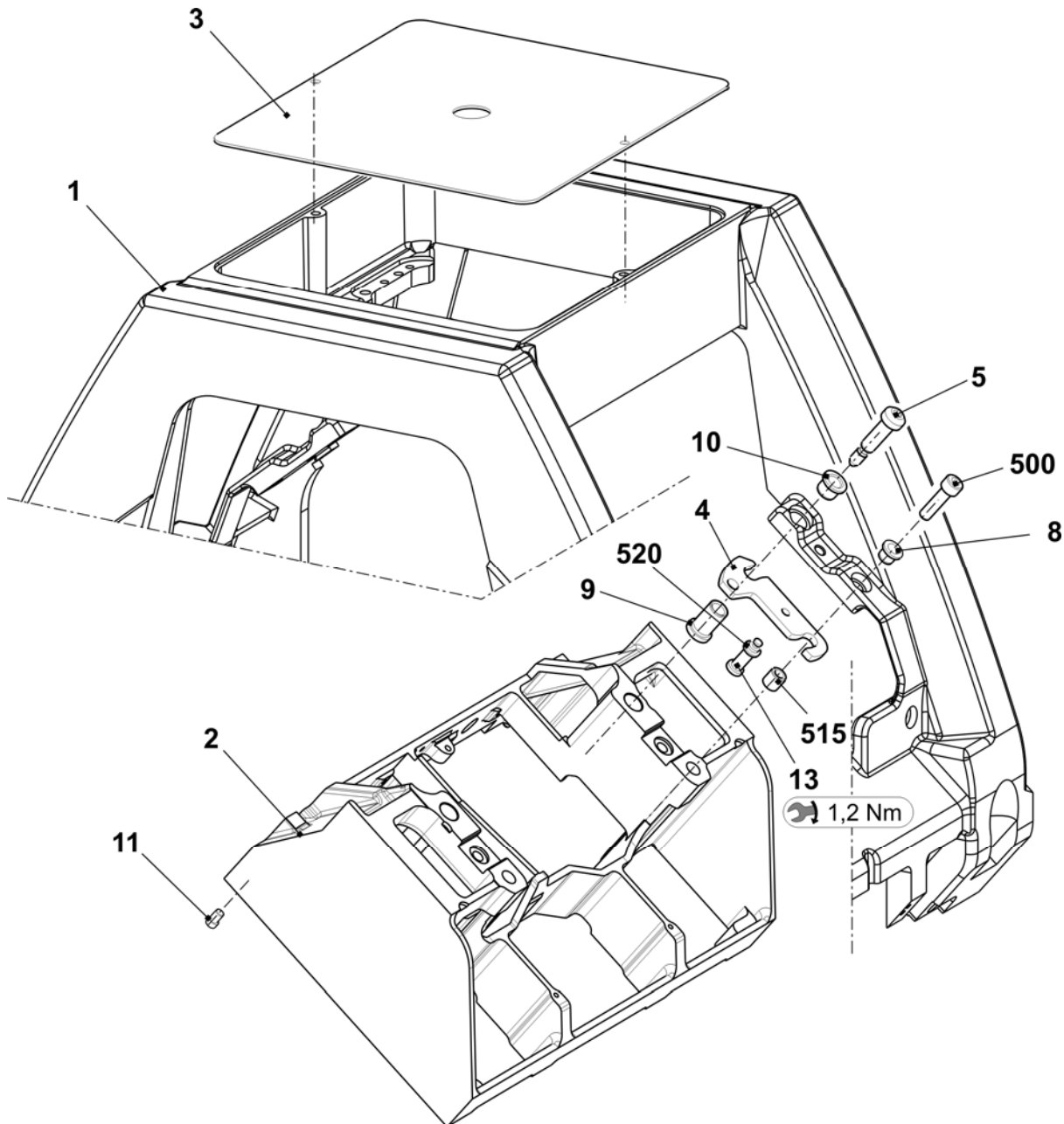
Continuation cam box E12m.10

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set co. 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	236 345
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		Knitting raising cam with split E10 – E12 (accessories)	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			



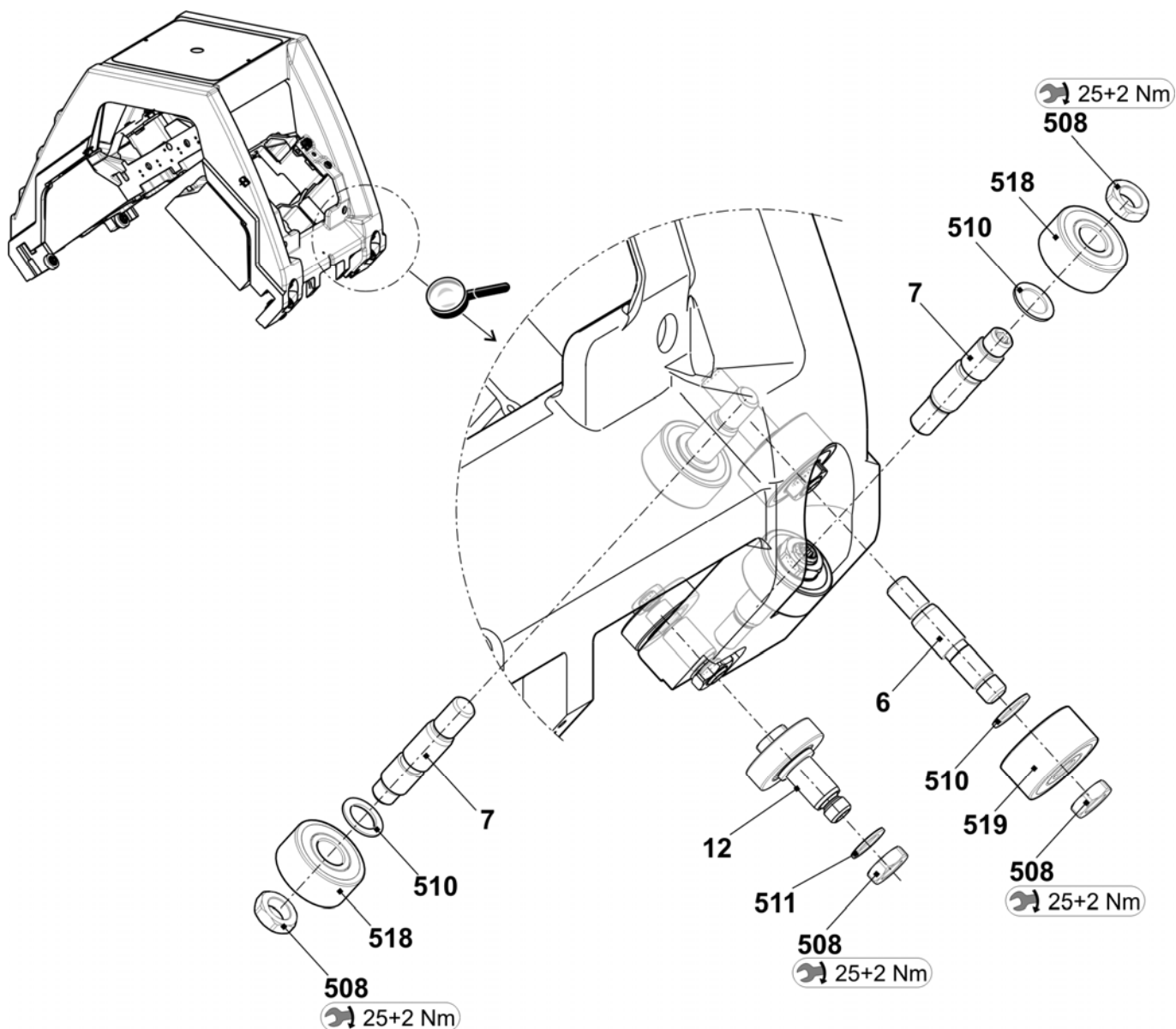
Carriage assembly

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage assembly 2 cam boxes co.	252 710	9	Bush	209 275
1	Carriage frame, 2 cam boxes	252 613	10	Bush	209 274
2	Carriage part, 2 cam boxes	253 402	11	Eccentric	222 983
3	Carriage cover at the top	252 616	13	Fixing bolt linking spot	244 179
4	Shim	225 312	500	Cap screw M8X30	020 143
5	Shoulder screw	211 750	515	Threaded bushing	041 863
8	Bush	207 546	520	Circlip 6	021 022



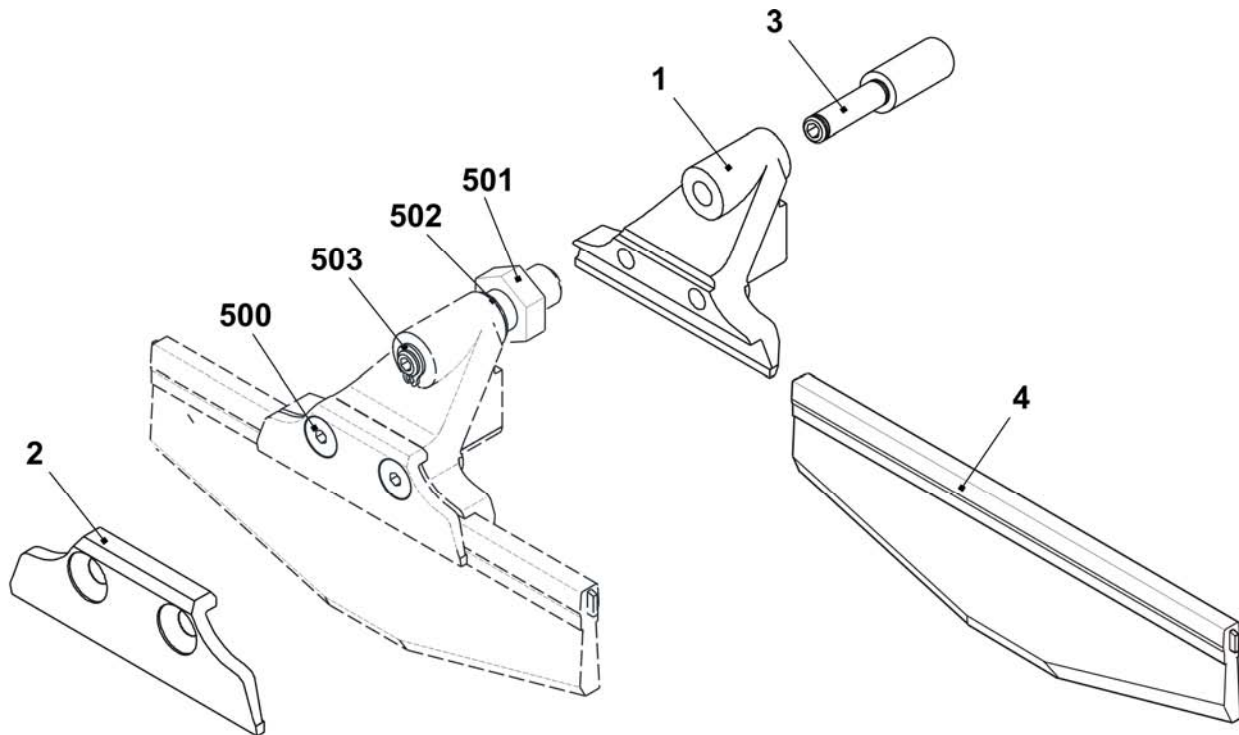
Carriage guide

Pos	Designation	ID	Pos	Designation	ID
6	Bearing bolt eccentric 0.5	242 060	510	Shim ring 12x18x1	023 315
7	Bearing bolt eccentric 0.5	240 624	511	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



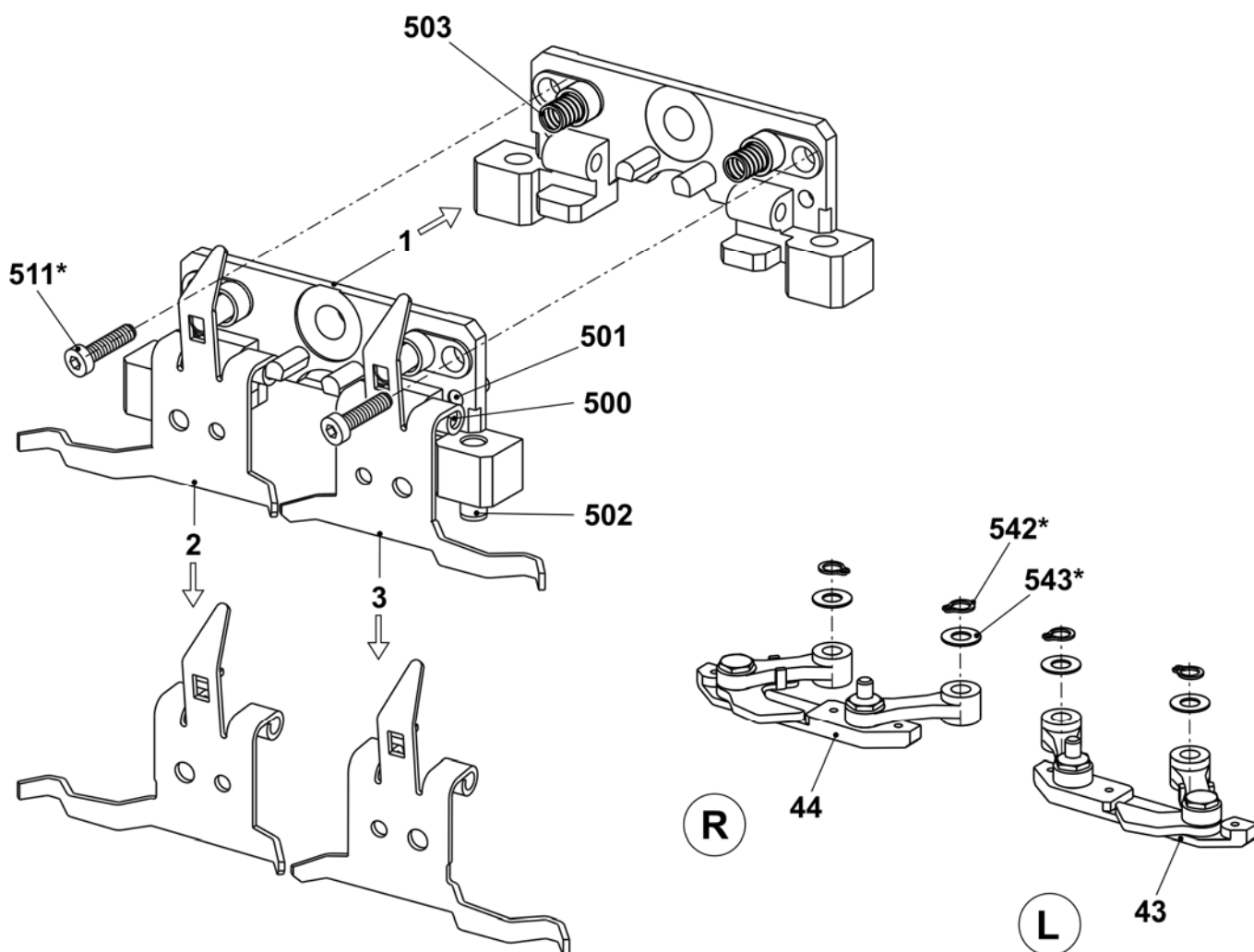
Brush holder

Pos	Designation	ID	Pos	Designation	ID
Σ	Brush holder co.		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



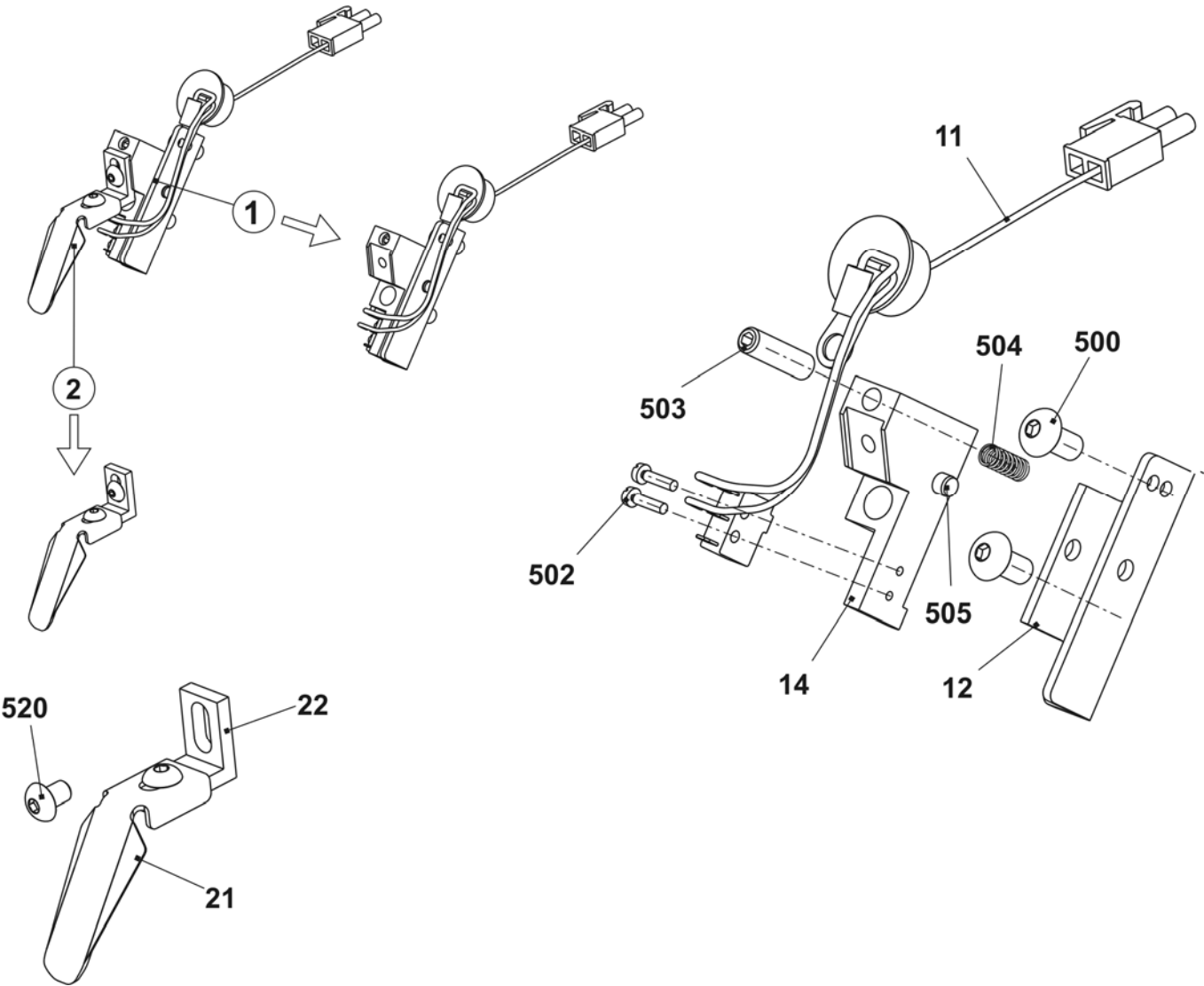
Holding-down jack control and slider

Pos	Designation	ID	Pos	Designation	ID
Σ	Holding-down jack control	213 266		Slider co.	
1	Assembly plate	210 728	43	Slider on the left co. E5-8	212 611
2	Set-out plate on the right	212 382		Slider on the left co. E12-14	213 056
3	Set-out plate on the left	212 396	44	Slider on the right co. E5-8	212 610
500	Grooved pin 4x24	023 349		Slider on the right co. 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

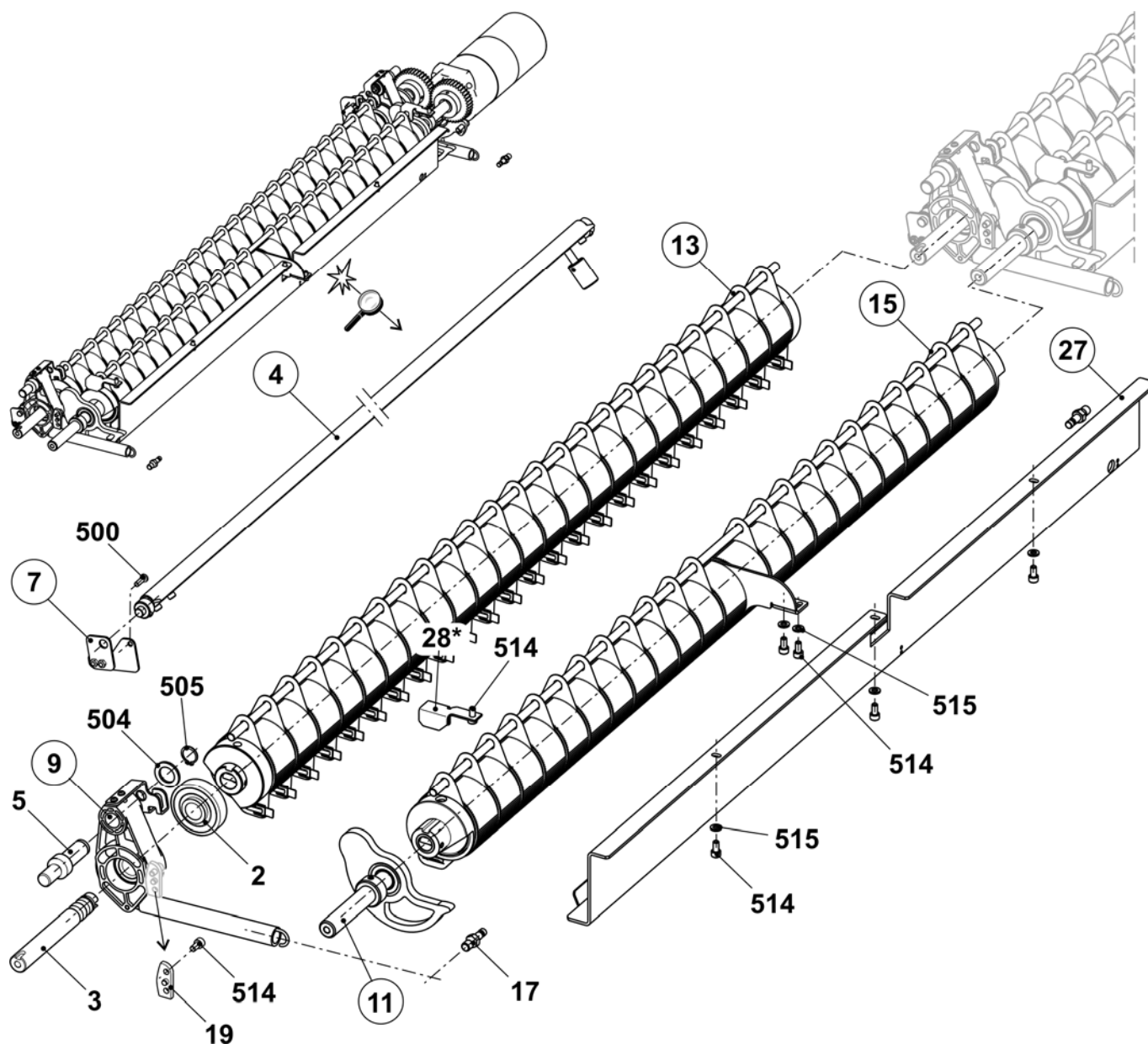
Pos	Designation		ID	Pos	Designation		ID
Σ	Needle detector		221 238	2	Sensor pre-assembled		221 758
1	Needle detector pre-assembled		221 773		21	Sensor	220 839
	11	Cable of needle detector co.	221 207		22	Angle	221 175
	12	Retainer	220 464		520	Countersunk screw M4x6	023 427
	14	Switch rocker	220 637				
	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

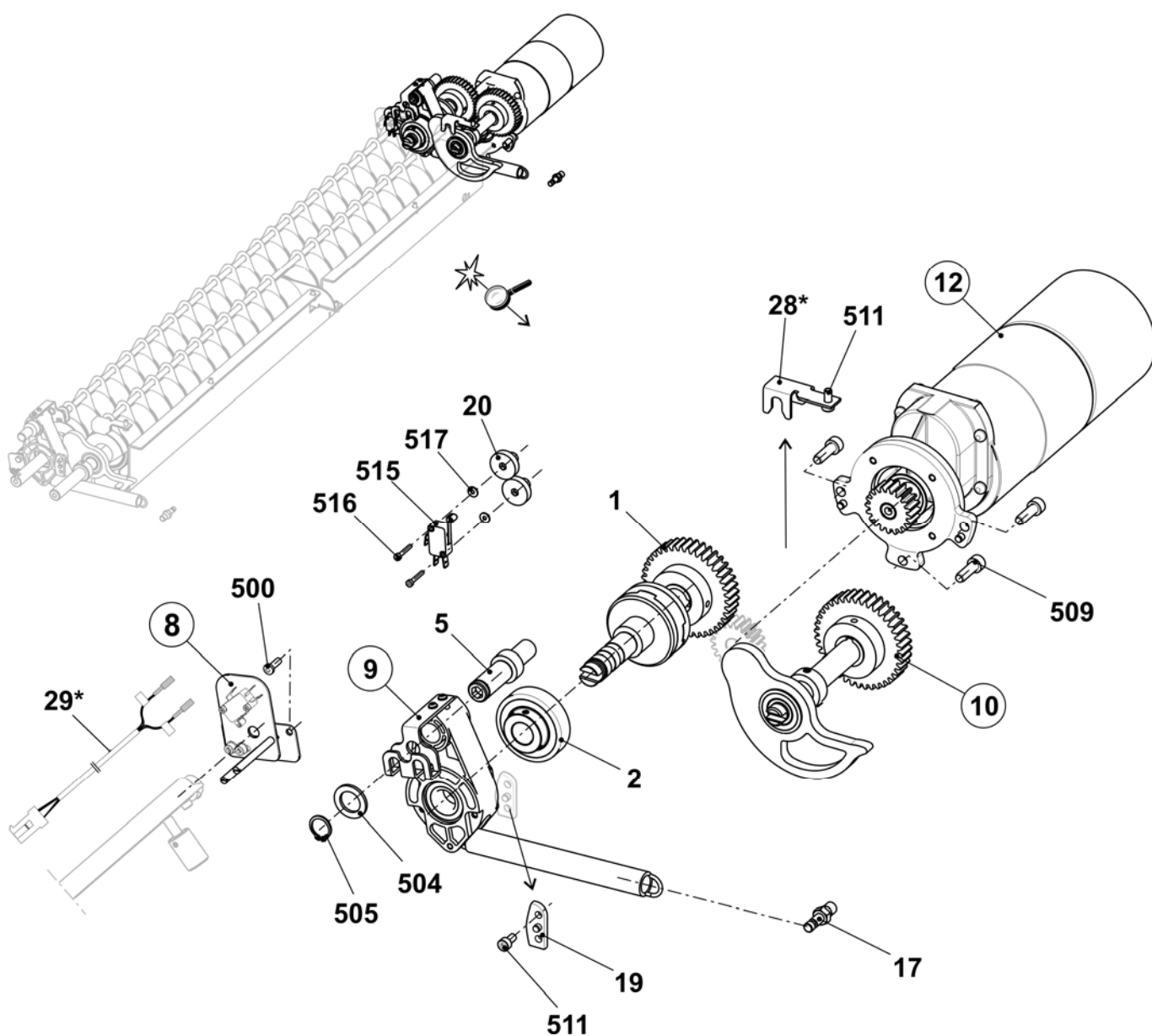
Take-down rollers and left bearing

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down co. (600 016)				
2	Bearing race co.	244 459	17	Spring bolt	221 143
3	Shaft on the left at the rear	221 012	19	Stop point	252 503
4	Stripper angle at the rear complete	251 768	27	Angle rail complete	251 550
5	Bolt	208 538	28*	Sheet metal support on the left	251 766
7	Mounting plate on the left complete	231 725	500	Screw 50x15	251 728
9	Swivel-mounted bearing	251 761	504	U-washer 18	023 295
11	Floating axle on the left	251 984	505	Locking ring 18x1.2	020 955
13	Take-down roller at the rear complete	251 683	514	Cap screw M6x12	020 134
15	Take-down roller at the front complete	251 681	515	U-washer 6	022 431



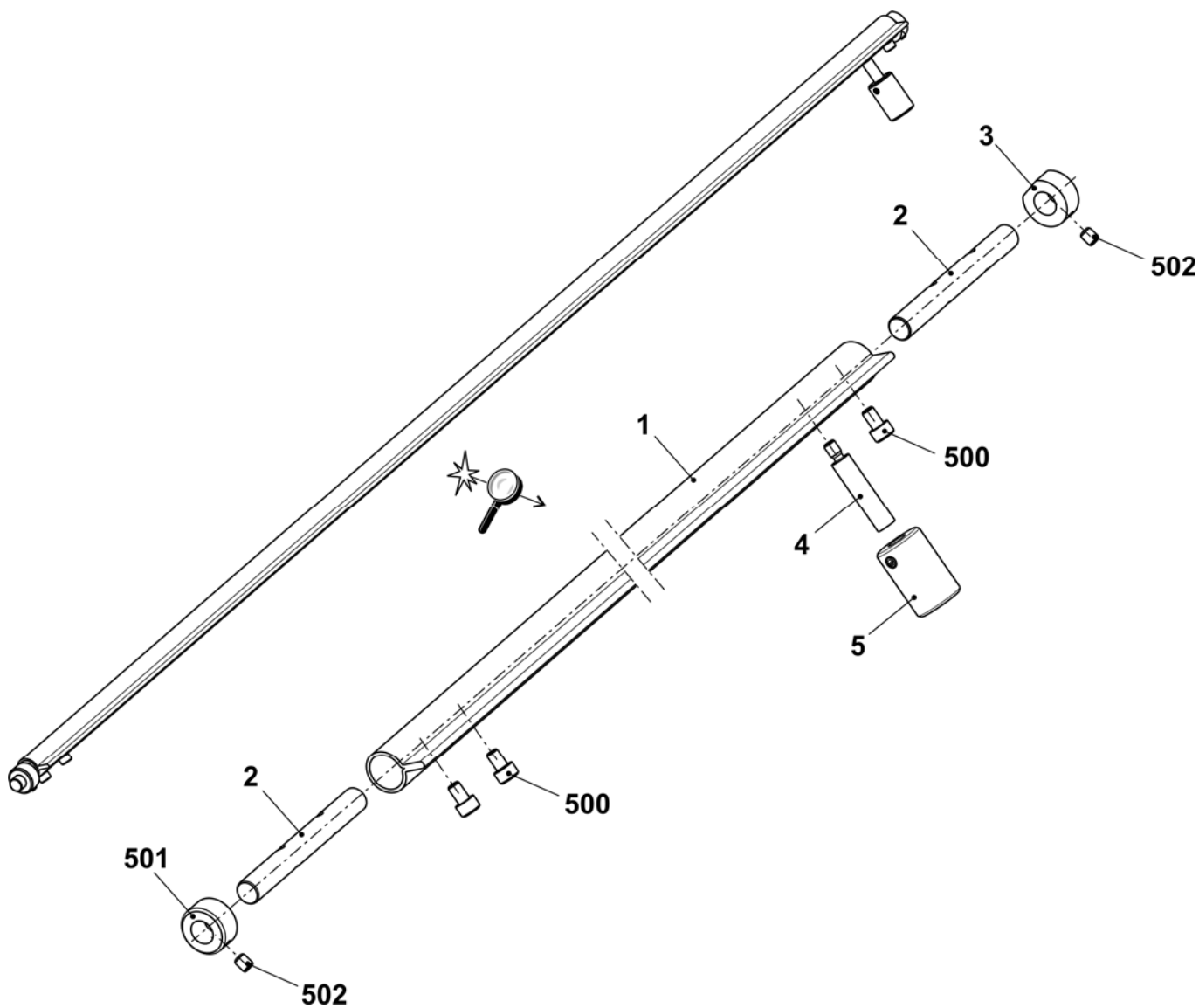
Take-down motor and right bearing

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down complete (600 016)		28*	Sheet metal support on the right	251 765
1	Clutch set	251 677	29*	Connection cable winding plate	241 703
2	Bearing race complete	244 459	500	Screw 50x15	251 728
5	Bolt	208 538	504	U-washer 18	023 295
8	Mounting plate on the right complete	240 069	505	Locking ring 18x1.2	020 955
9	Swivel-mounted bearing	251 761	509	Cap screw M8x25-12.9	020 142
10	Floating axle on the right	251 985	511	Cap screw M6x12	020 134
12	Motor take-down + comb	214 279	515	Microswitch	210 510
17	Spring bolt	221 143	516	Cap screw M3x20	023 221
19	Stop point	252 503	517	U-washer 3	023 657
20	Threaded bushing	222 522			



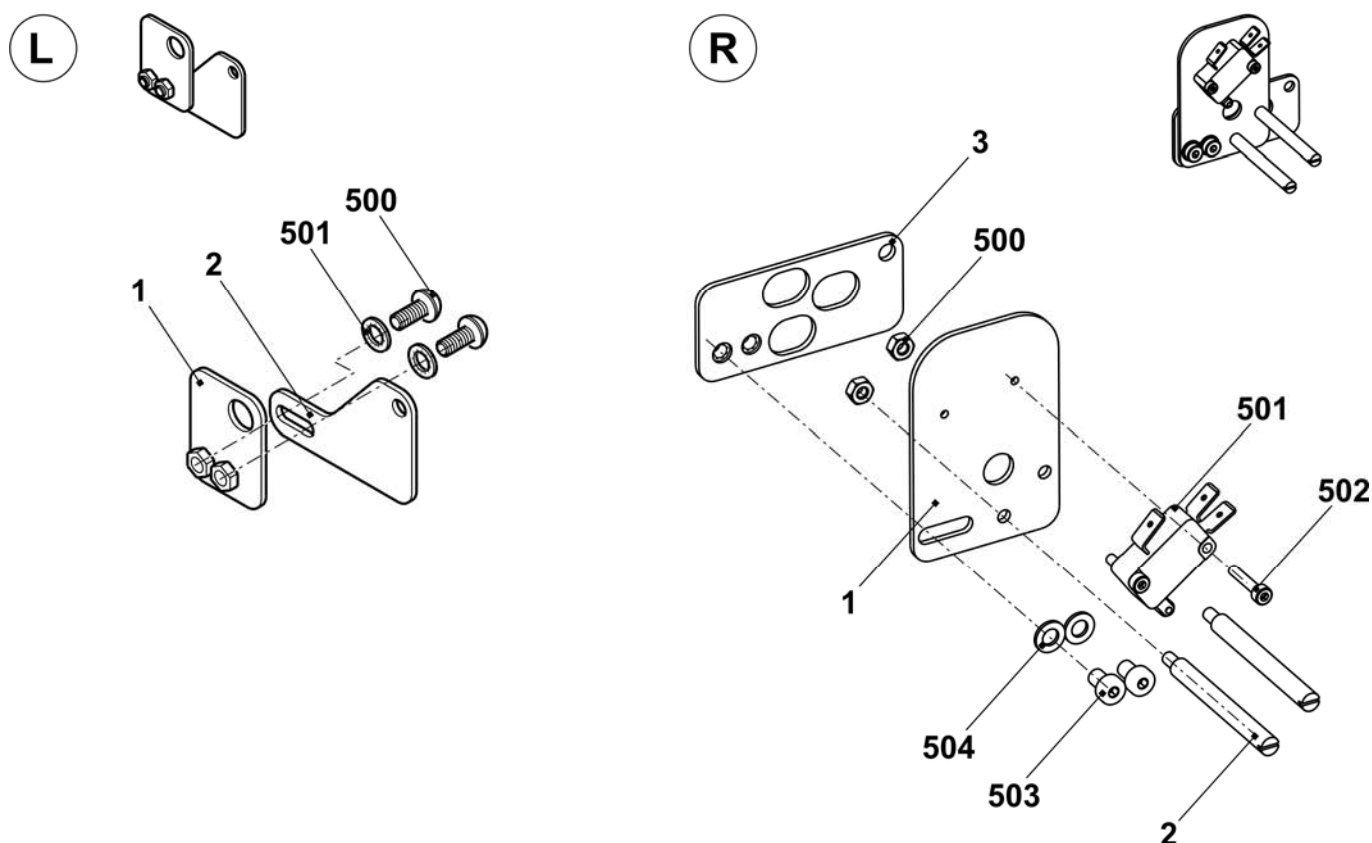
Stripper angle

Pos	Designation	ID	Pos	Designation	ID
Σ	Stripper angle at the rear complete	251 768			
1	Stripper angle	251 767	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



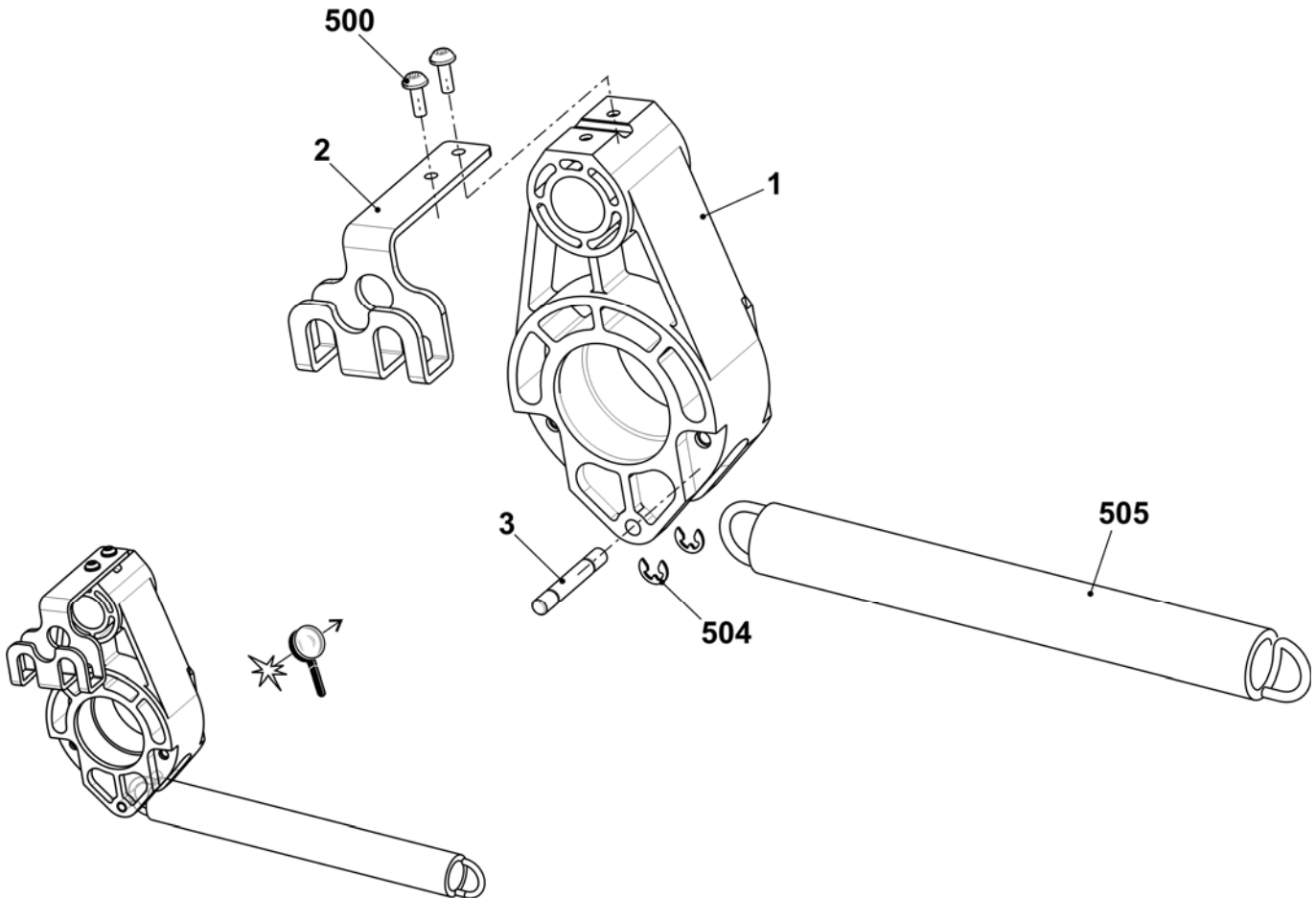
Mounting plate

Pos	Designation	ID	Pos	Designation	ID
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	Cap screw M3x16	022 583
			503	Cap screw M5x8	244 278
			504	U-washer 5-200	020 871



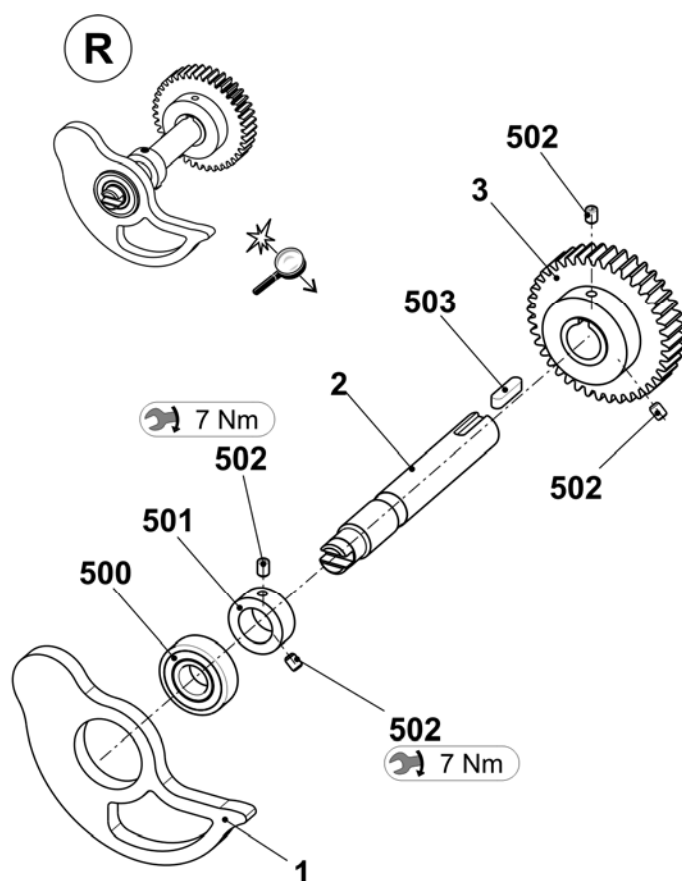
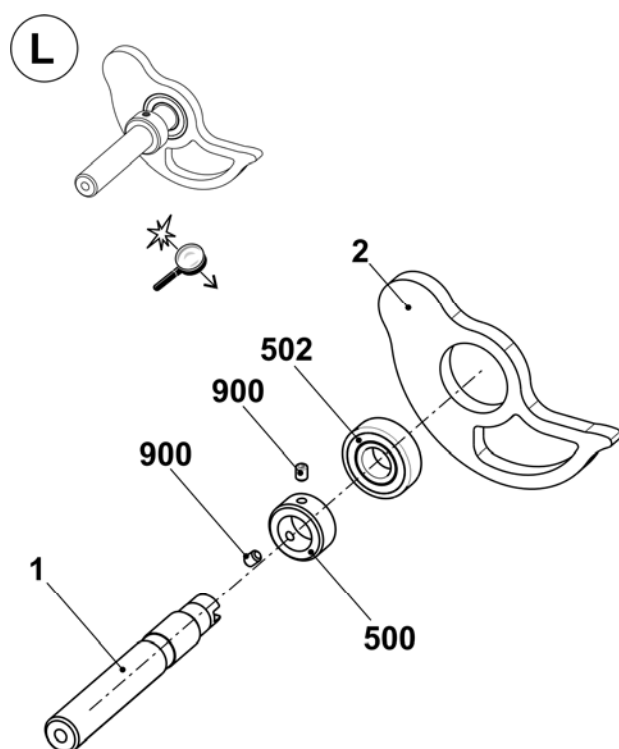
Swivel-mounted bearing

Pos	Designation	ID	Pos	Designation	ID
Σ	Swivel-mounted bearing	251 761			
1	Swivel-mounted bearing	241 996	500	Screw M35x10	251 729
2	Sheet metal support	251 749	504	Circlip 4	021 020
3	Axle	251 758	505	Tension spring 21x3.0x192	240 217



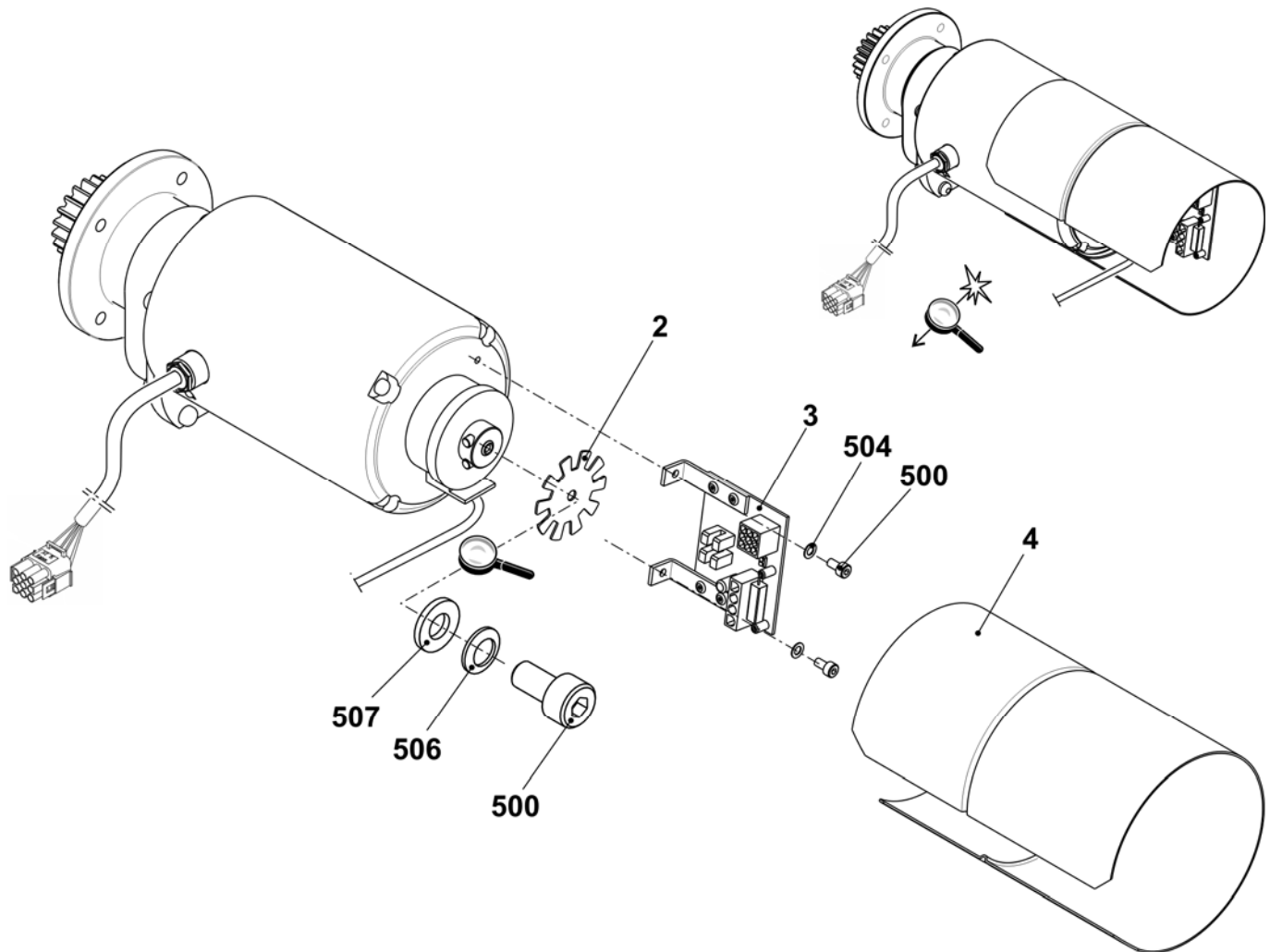
Floating axle

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



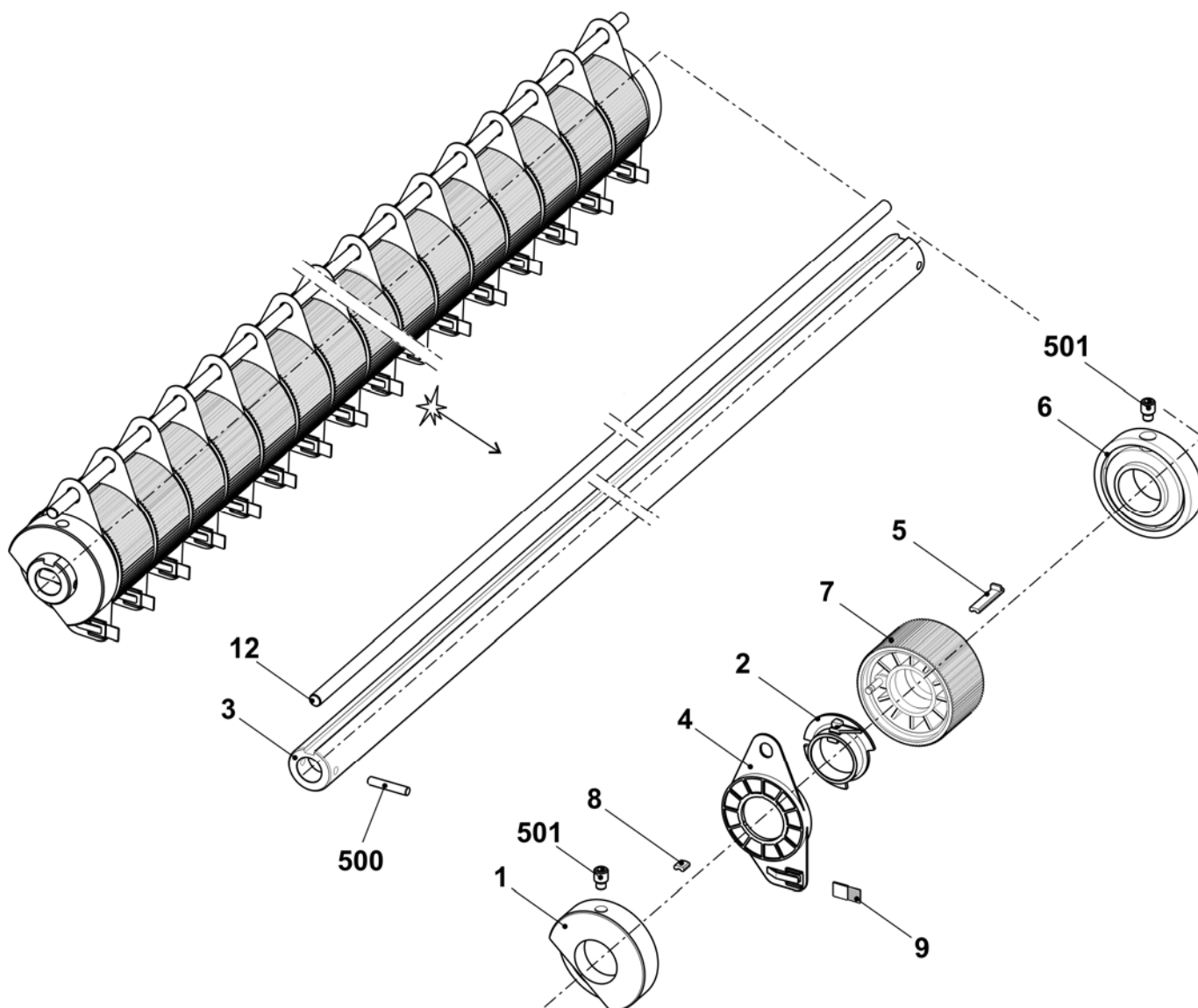
Impulse giver and motor

Pos	Designation	ID	Pos	Designation	ID
Σ	Motor take-down unit + comb	214 279	500	Cap screw M4x8	022 501
2	Impulse disc	208 716	504	U-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



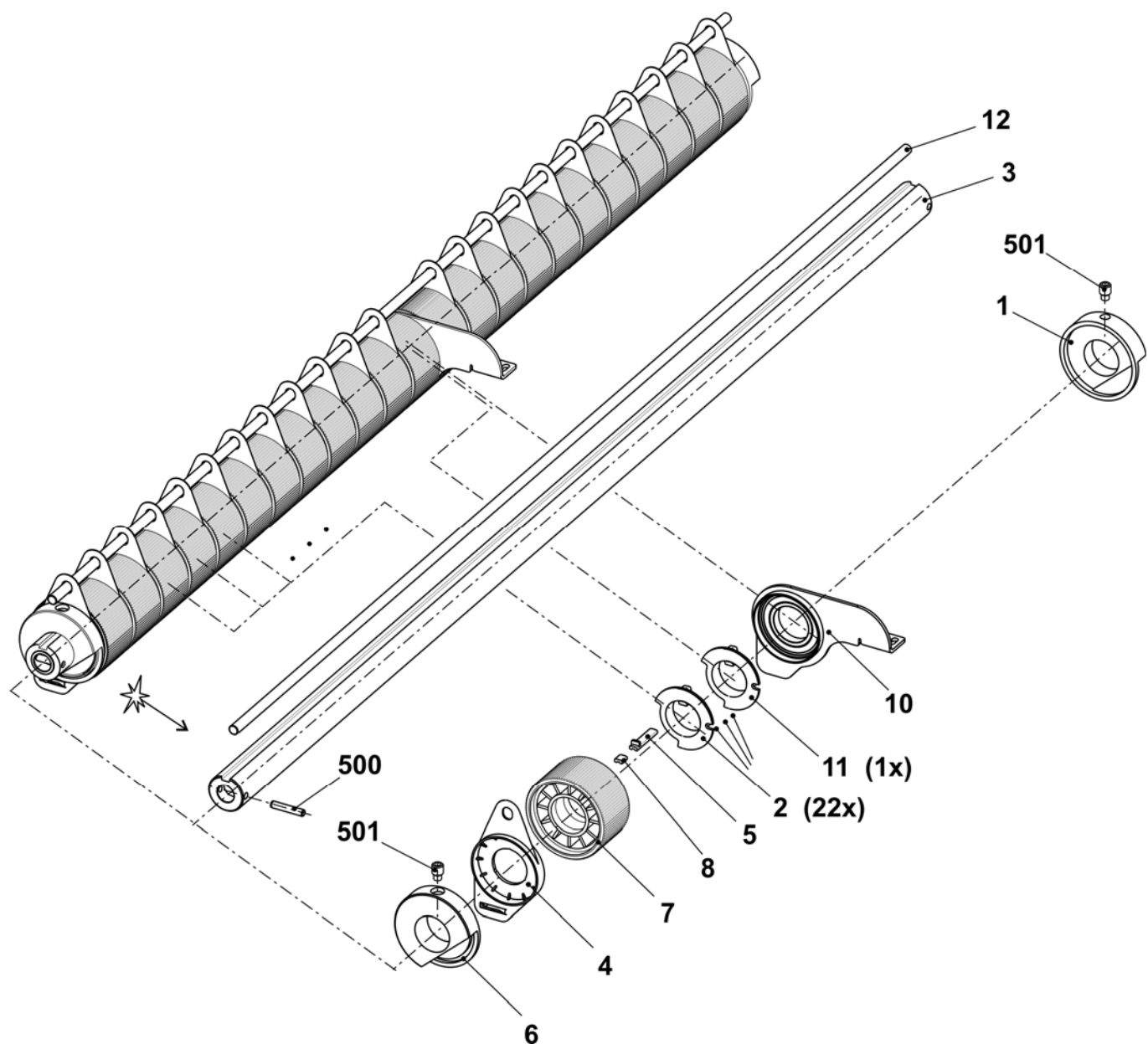
Rear take-down roller

Pos	Designation	ID	Pos	Designation	ID
Σ	Take-down roller at the rear complete	251 683			
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	251 682	9	Brush	225 819
4	Stripper	241 612	12	Rod	251 769
5	Spacer slide	240 104	500	Setting pin 6x32	020 685
6	Ring on the right	250 574	501	Set screw M10x15	020 635



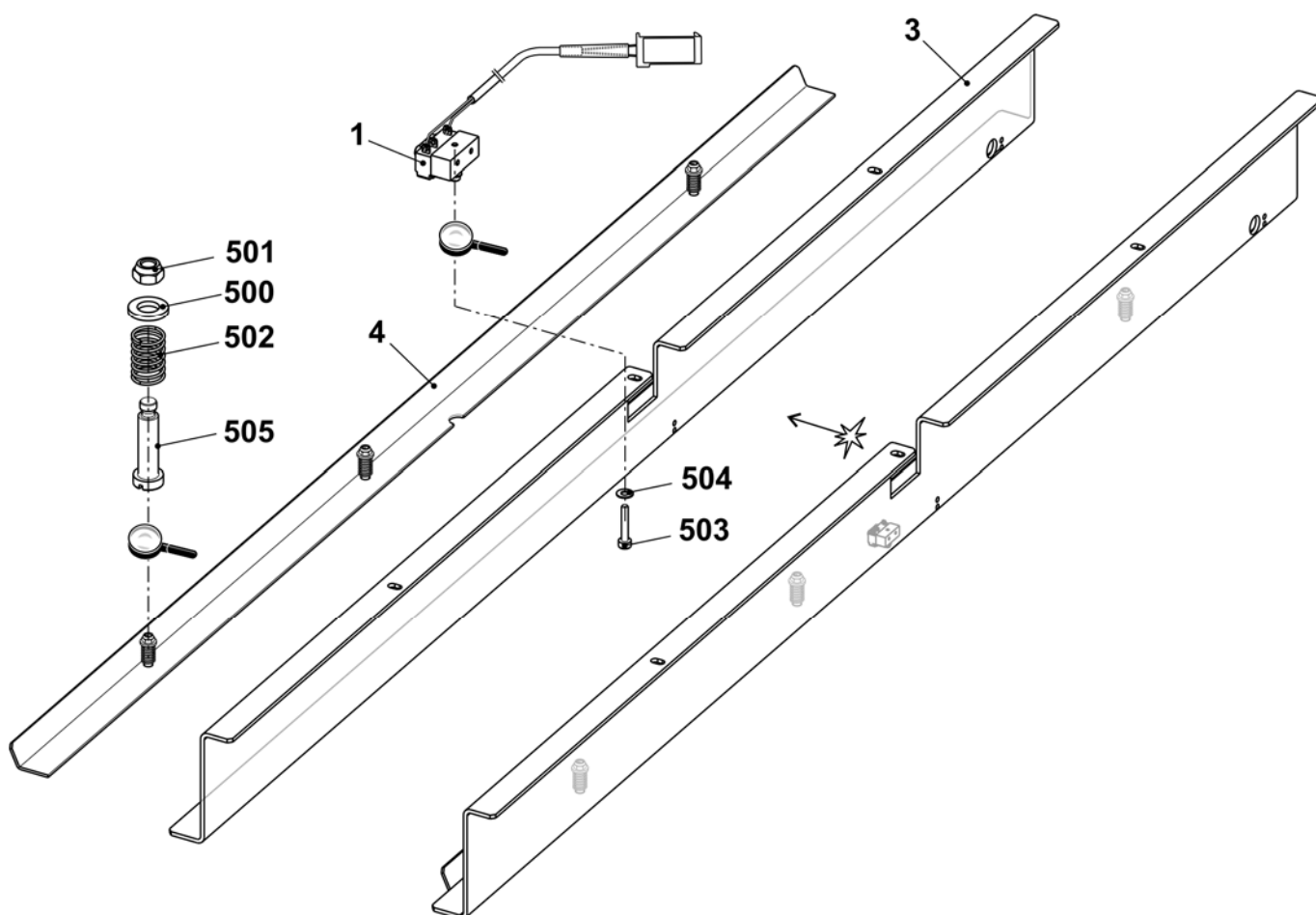
Front take-down roller

Pos	Designation	ID	Pos	Designation	ID
Σ	Take-down roller at the front complete	251 681			
1	Ring on the left	250 573	8	Spacer slide	222 062
2	Stop ring on the left	204 369	10	Support	252 506
3	Shaft	251 680	11	Stop ring on the left	222 910
4	Stripper	241 612	12	Rod	251 769
5	Spacer slide	240 104	500	Setting pin 6x32	020 685
6	Ring on the right	250 574	501	Set screw M10x15	020 635
7	Roller	206 770			



Angle rail

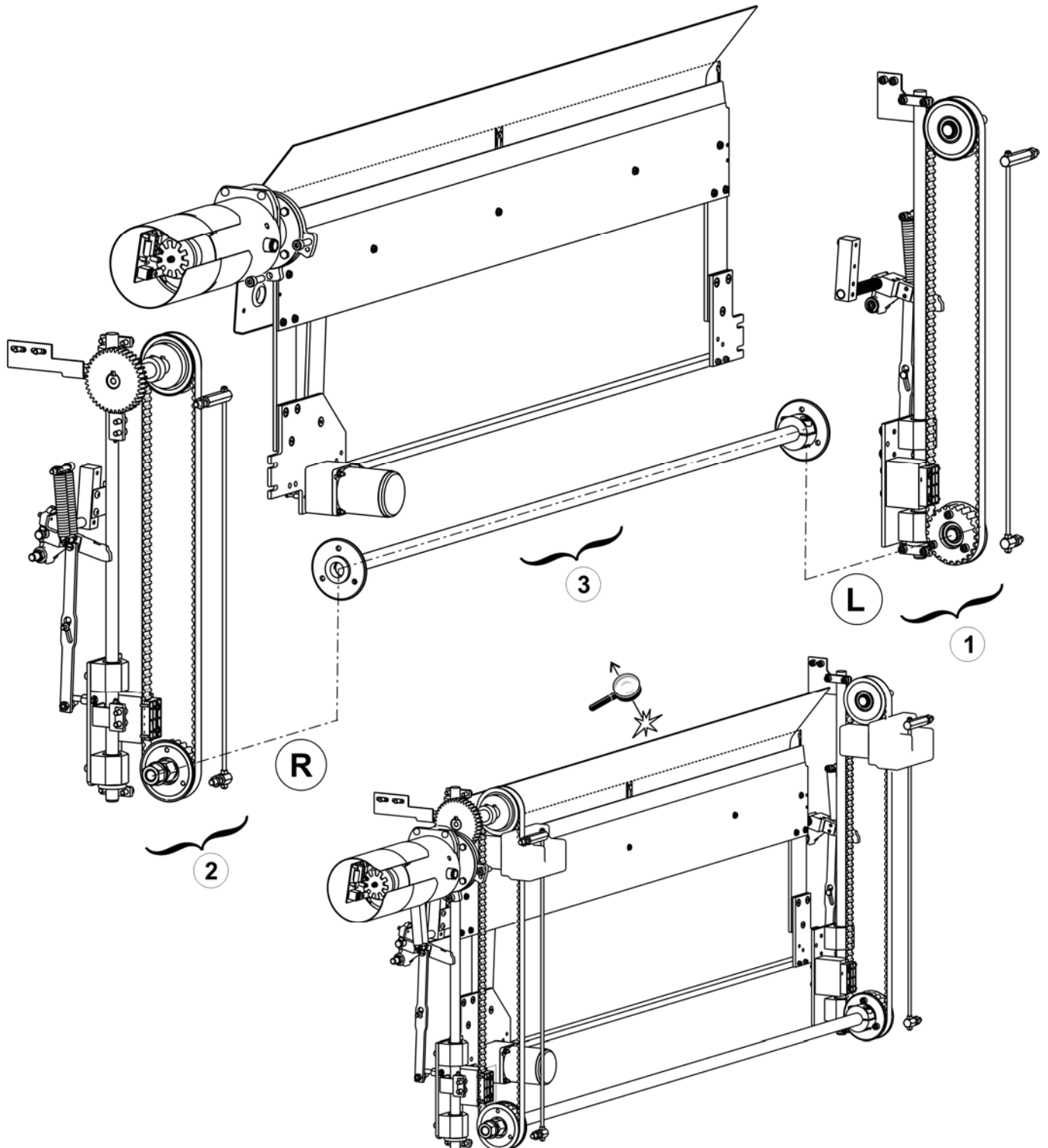
Pos	Designation	ID	Pos	Designation	ID
Σ	Angle rail complete	251 550	501	Hexagon nut M5-8	023 541
1	Switch complete with cable	221 265	502	Compression spring 0.8x9.2x27.5	023 537
3	Angle rail	251 548	503	Cap screw M2x12	023 522
4	Winding plate	251 549	504	U-washer 2	022 908
500	U-washer 6	022 431	505	Shoulder screw M5x20x5	023 675



Comb take-down

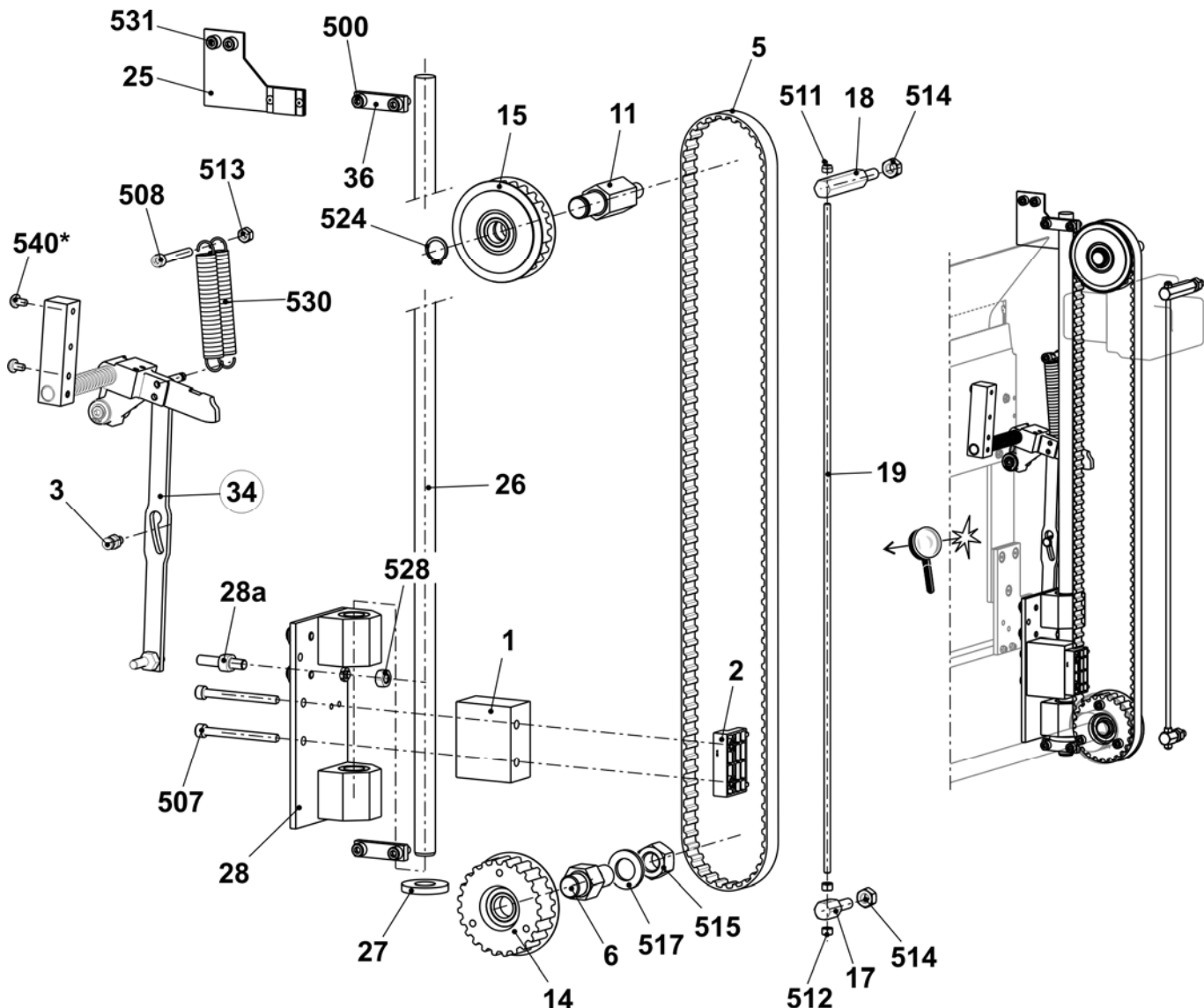
Comb take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down		3	Remaining parts of comb take-down	
1	Comb take-down left	254 966		E5	253 951
2	Comb take-down right	254 963		E7 (E3.5.2/E7m.5)	253 839
				E12 (E6.2/E6.2(12m.10))	253 789
				E14 (E7.2/E7.2(14/12))	253 840



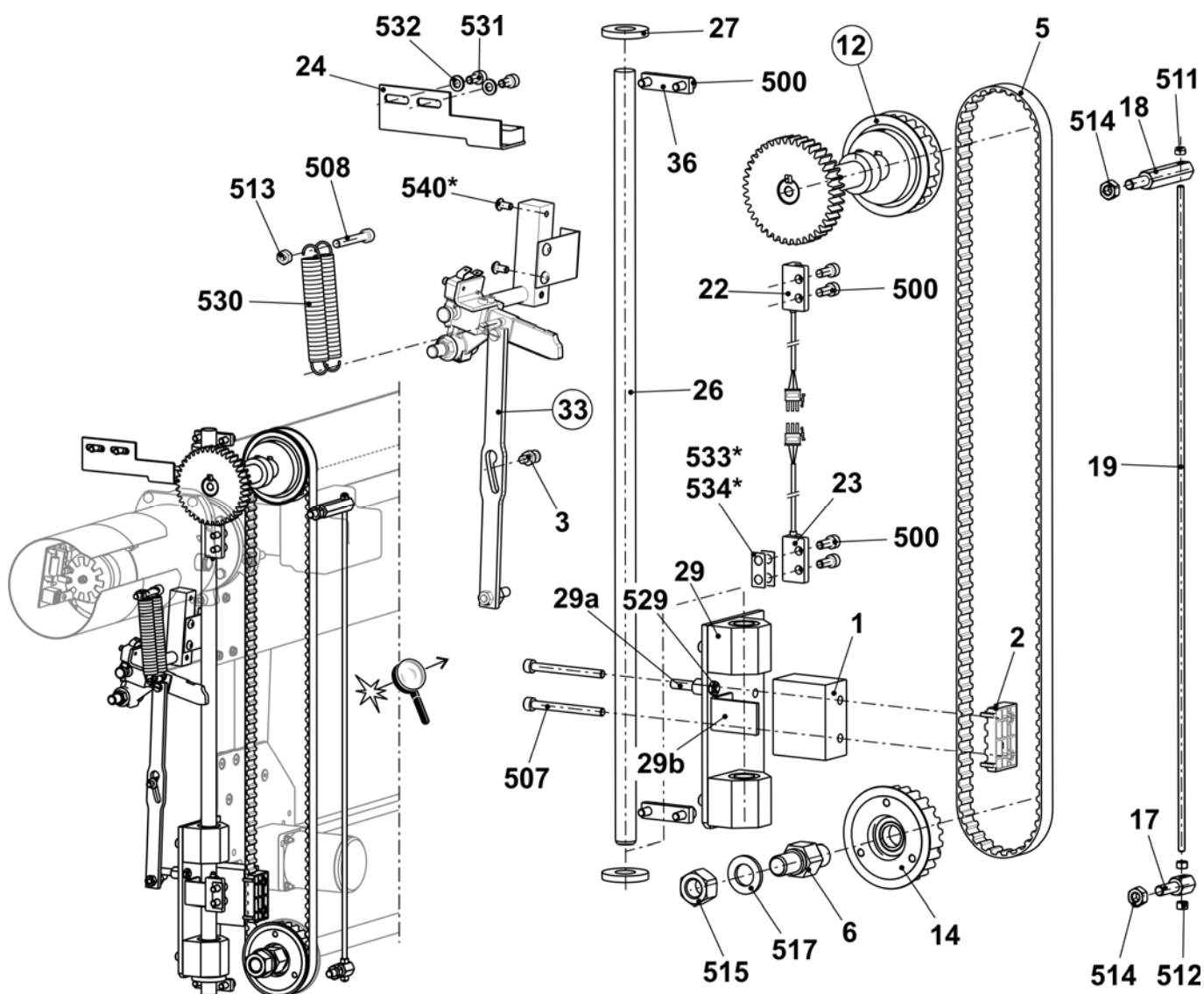
Comb take-down left

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down left	254 966			
1	Clamping part	209 379		528 Hexagon nut M8-6	020 838
2	Presser plate	241 967	34	Swivel lever on the left	252 859
3	Bolt	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6X65	240 162
11	Bolt	207 689	508	Cap screw M6x45	022 689
14	Timing belt pulley at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
15	Timing belt pulley at the top complete	211 823	512	Hexagon nut M5-6	020 835
17	Stay bolt	222 315	513	Hexagon nut M6-6	020 836
18	Stay bolt	240 056	514	Hexagon nut M8-6	020 838
19	Threaded rod M5	240 057	515	Hexagon nut M16-6	020 845
25	Reflector complete	253 535	517	U-washer 16	020 876
26	Guide bar C35	206 560	524	Locking ring 17x1	023 299
27	Rubber buffer	206 561	530	Tension spring Din2097 15x1.50x70.94	251 614
28	Comb guide on the left	255 425	531	Cap screw M6x12	020 134
28a	Pulling pin	255 427	540*	Countersunk screw M5x10	023 247



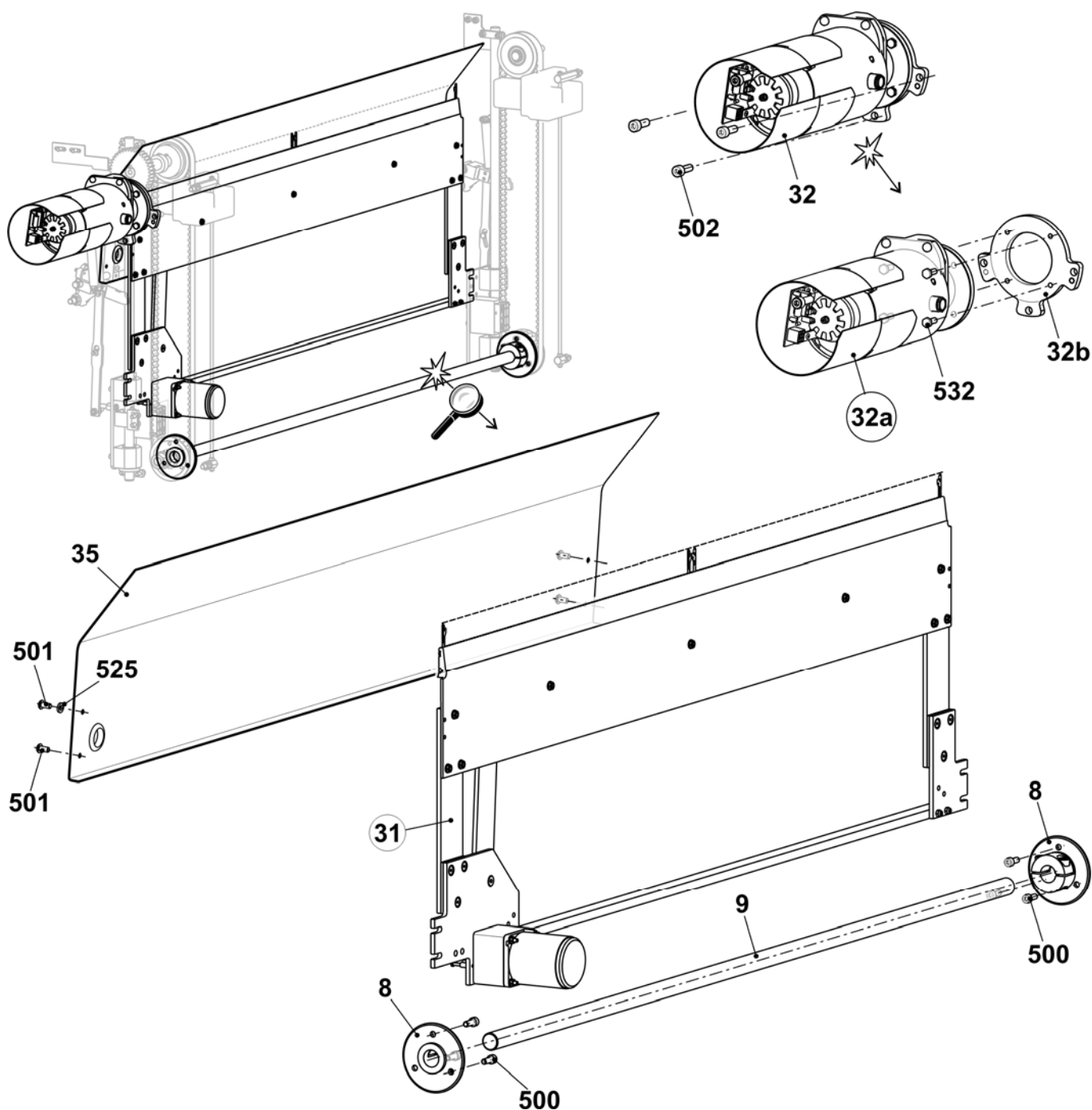
Comb take-down right

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down right	254 963			
1	Clamping part	209 379		529 Hexagon nut M8-6	020 838
2	Presser plate	241 967	33	Swivel lever on the right	252 858
3	Bolt	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6X65	240 162
12	Drive shaft comb complete	214 583	508	Cap screw M6x45	022 689
14	Timing belt pulley at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
17	Stay bolt	222 315	512	Hexagon nut M5-6	020 835
18	Stay bolt	240 056	513	Hexagon nut M6-6	020 836
19	Threaded rod M5	240 057	514	Hexagon nut M8-6	020 838
22	Proximity switch inductive at the top	231 516	515	Hexagon nut M16-6	020 845
23	Proximity switch inductive at the bottom	231 520	517	U-washer 16	020 876
24	Photoelectric sensor complete	253 534	530	Tension spring 15x1.50x70.94	251 614
26	Guide bar C35	206 560	531	Cap screw M6x12	020 134
27	Rubber buffer	206 561	532	U-washer 6	020 872
29	Comb guide on the right	255 424	533*	Shim 0.2x12x27	023 735
29a	Pulling pin	255 427	534*	Shim 0.5x12x27	023 736
29b	Angle	240 112	540*	Countersunk screw M5x10	023 247



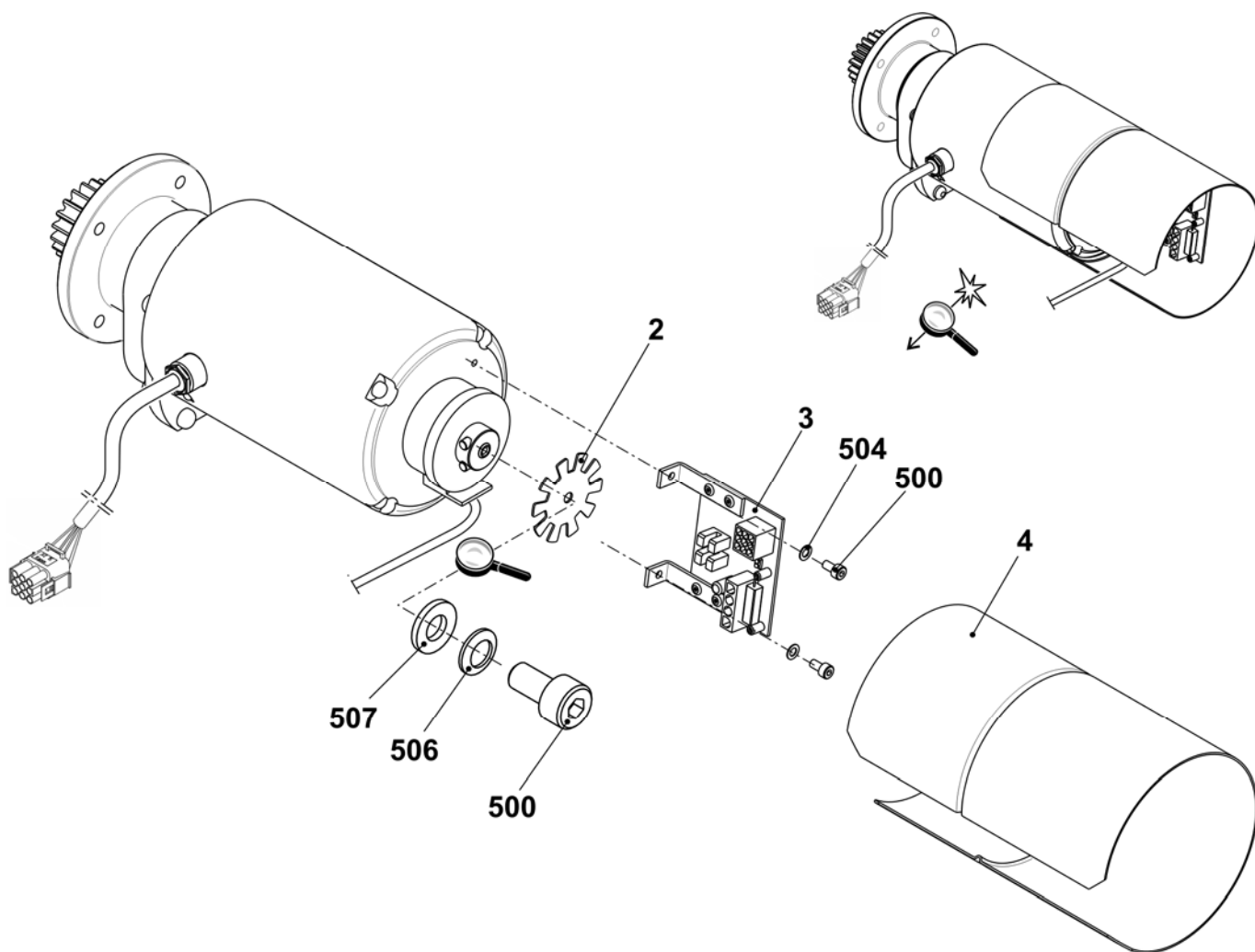
Remaining parts of comb take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Remaining parts of comb take-down				
	E5	253 951	8	Flange	207 695
	E7 (E3.5.2/E7m.5)	253 839	500	Cap screw M6x16	020 135
	E12 (E6.2/E6.2(12m.10))	253 789	501	Countersunk screw M5x10	023 247
	E14 (E7.2/E7.2(14/12))	253 840	32	Motor take-down unit complete	253 803
9	Shaft long	251 700	32a	Motor take-down unit + comb	214 279
31	Comb unit		32b	Flange	241 754
	E5	253 948	532	Hexagon screw M6x16	020 356
	E7 (E3.5.2/E7m.5)	252 622	35	Guide plate	251 703
	E12 (E6.2/E6.2(12m.10))	252 065	502	Cap screw M8x25	020 142
	E14 (E7.2/E7.2(14/12))	252 567	525	Serrated lock washer J5.3	022 489



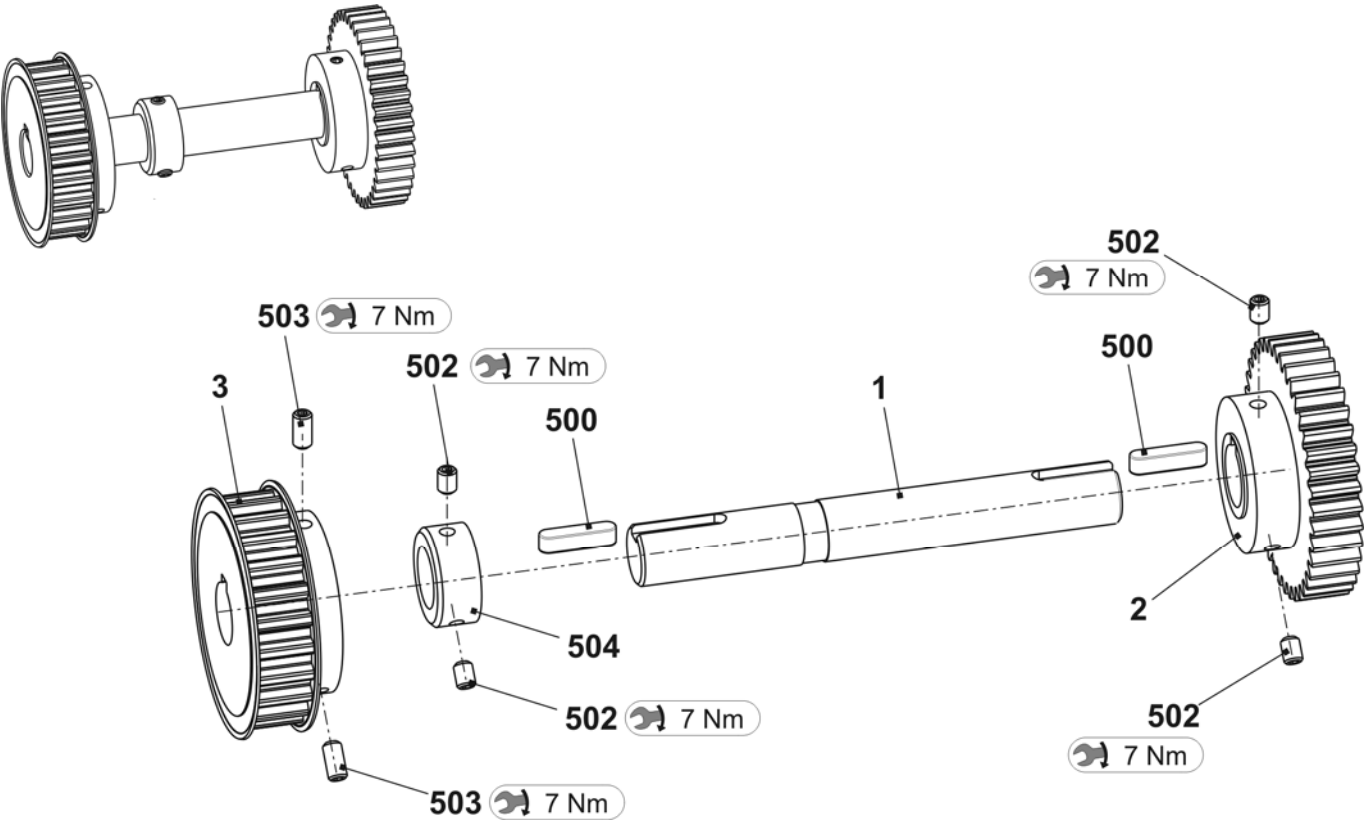
Motor take-down unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Motor take-down unit	214 279	500	Cap screw M4x8	022 501
2	Impulse disc	208 716	504	U-washer 4	020 879
3	Photoelectric sensor take-down + comb	300 744	506	Circlip	022 774
4	Cover	212 262	507	Shim ring 4x8x1	023 369



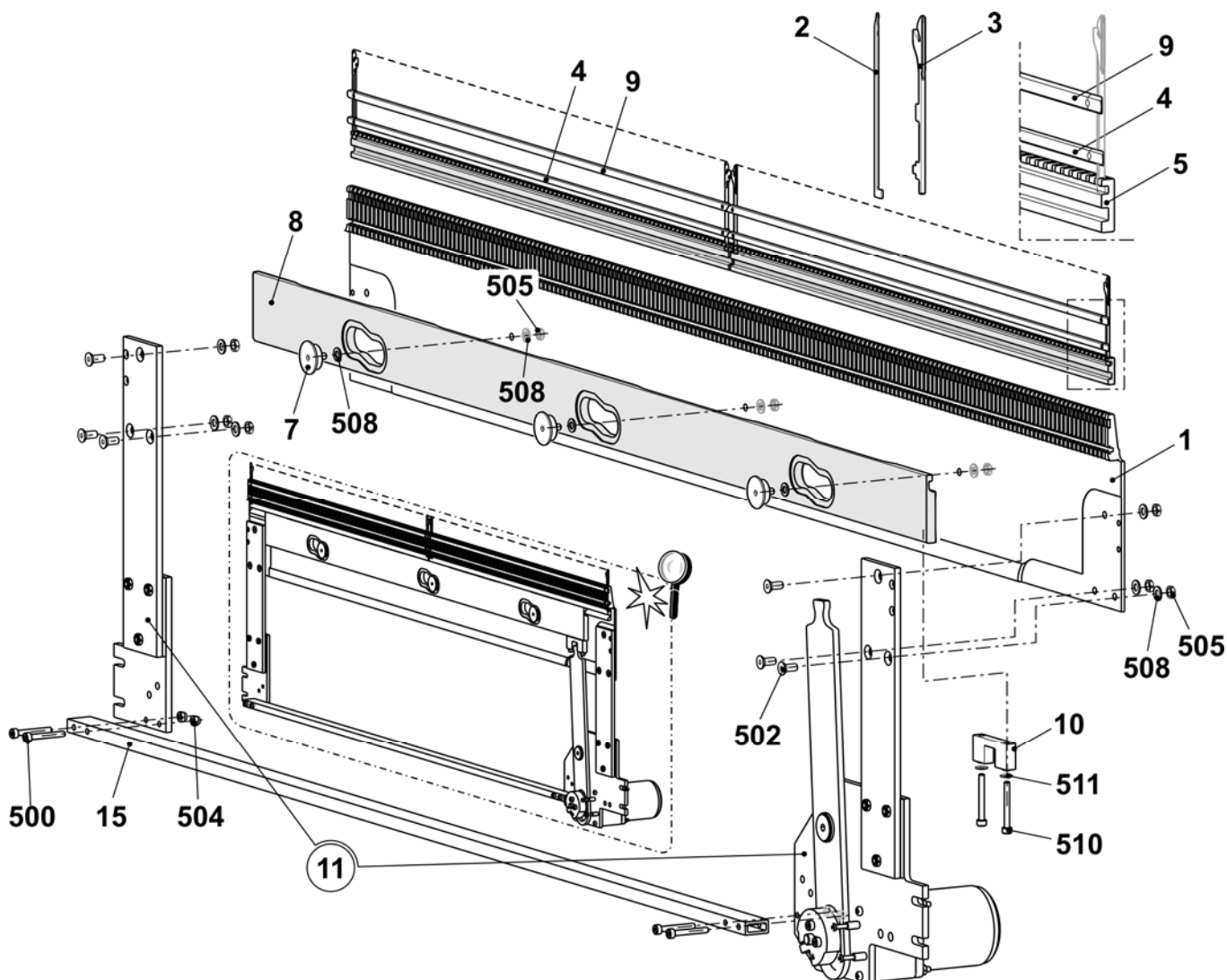
Drive shaft of comb

Pos	Designation	ID	Pos	Designation	ID
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				



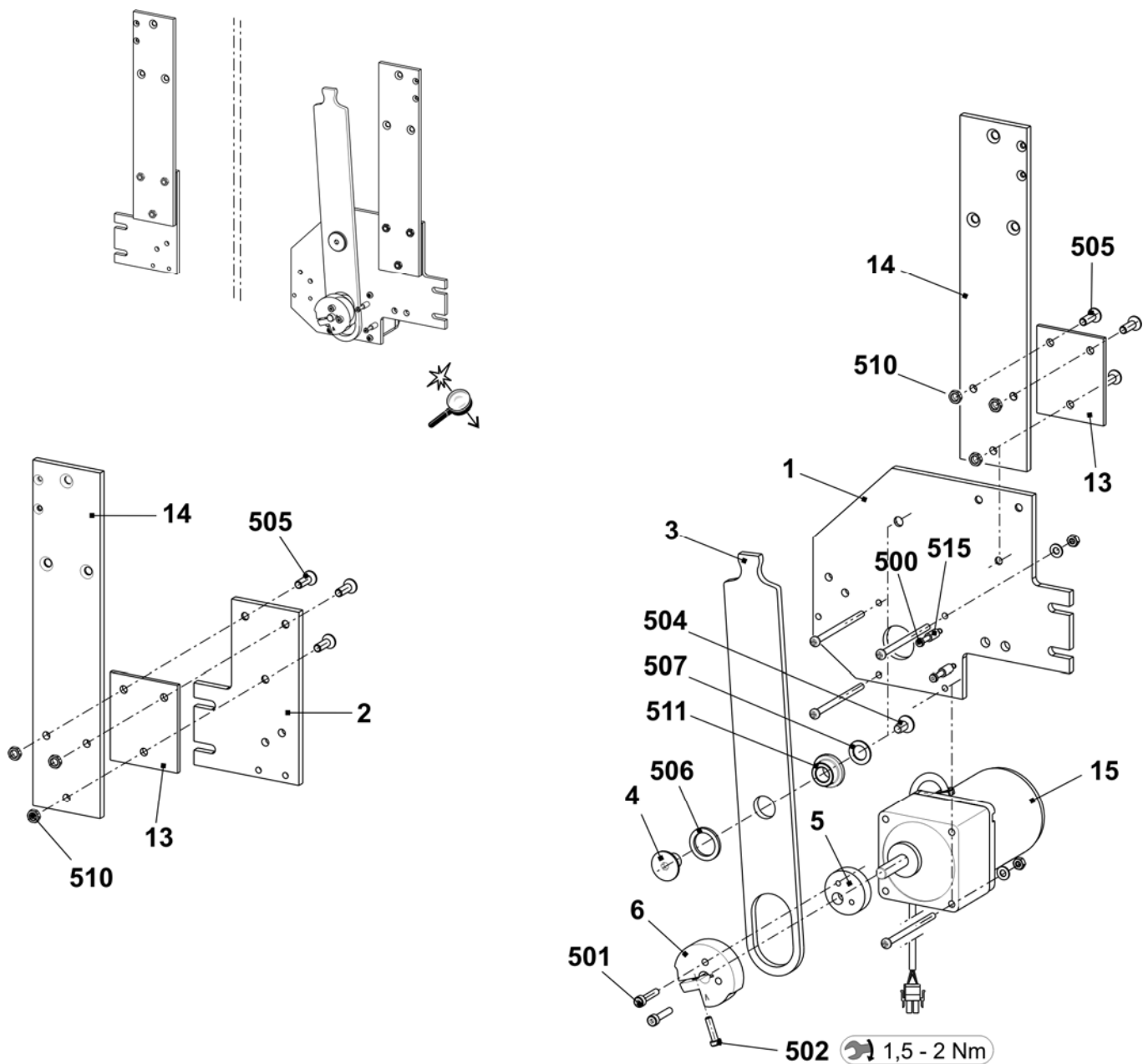
Comb unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb unit				
	E5	253 948	5	Hook slider	
	E7 + E3,5.2 + E7m.5	252 622		E5	251 710
	E12+ E6.2 + E6.2(12m.10)	252 065		E7 + E3,5.2 + E7m.5	251 708
	E14 + E7.2 + E7.2(14/12)	252 567		E14 + E7.2 + E7.2(14/12)	251 708
1	Hook bed			E12+ E6.2 + E6.2(12m.10)	251 709
	E5	251 704	7	Collar bolt complete	211 036
	E7 + E3,5.2 + E7m.5	251 705	8	Cross slider	251 701
	E12+ E6.2 + E6.2(12m.10)	251 706	9	Cover rail	251 702
	E14 + E7.2 + E7.2(14/12)	251 707	10	Plunger	205 678
2	Closer		11	Switch lever complete	240 060
	E5 + E7 + E3,5.2 + E7m.5	230 105	15	Stabilizator	251 697
	E12+ E6.2 + E6.2(12m.10)	230 106	500	Cap screw M4x30	023 290
	E14 + E7.2 + E7.2(14/12)		502	Countersunk head screw M5x12	023 340
3	Body		504	Hexagon nut M4-8	023 046
	E5 + E7 + E3,5.2 + E7m.5	230 093	505	Hexagon nut M5-04	020 854
	E12+ E6.2 + E6.2(12m.10)	230 094	508	U-washer 5	020 871
	E14 + E7.2 + E7.2(14/12)	230 094	510	Cap screw M4x35	023 550
4	Cover rail	251 696	511	Circlip	022 774



Switch lever comb take-down

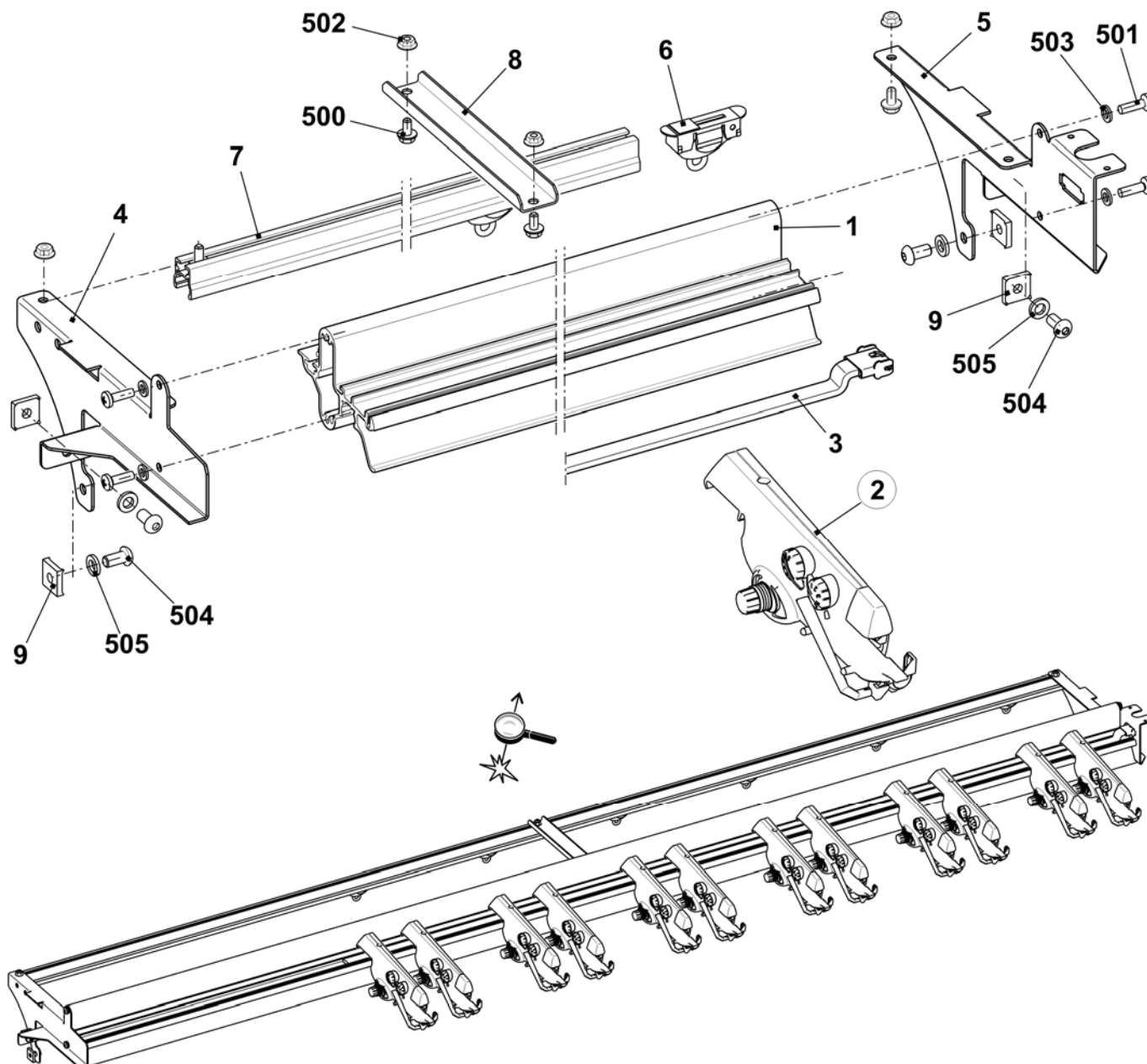
Pos	Designation	ID	Pos	Designation	ID
Σ	Switch lever complete	240 060	500	Cap screw M3x25	023 093
1	Screwing plate on the right	240 058	501	Cap screw M4x20	023 171
2	Screwing plate on the left	240 059	502	Cap screw M4x16	023 123
3	Lever	215 228	504	Countersunk screw M6x12	023 435
4	Bearing bolt	215 675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



Yarn delivery device

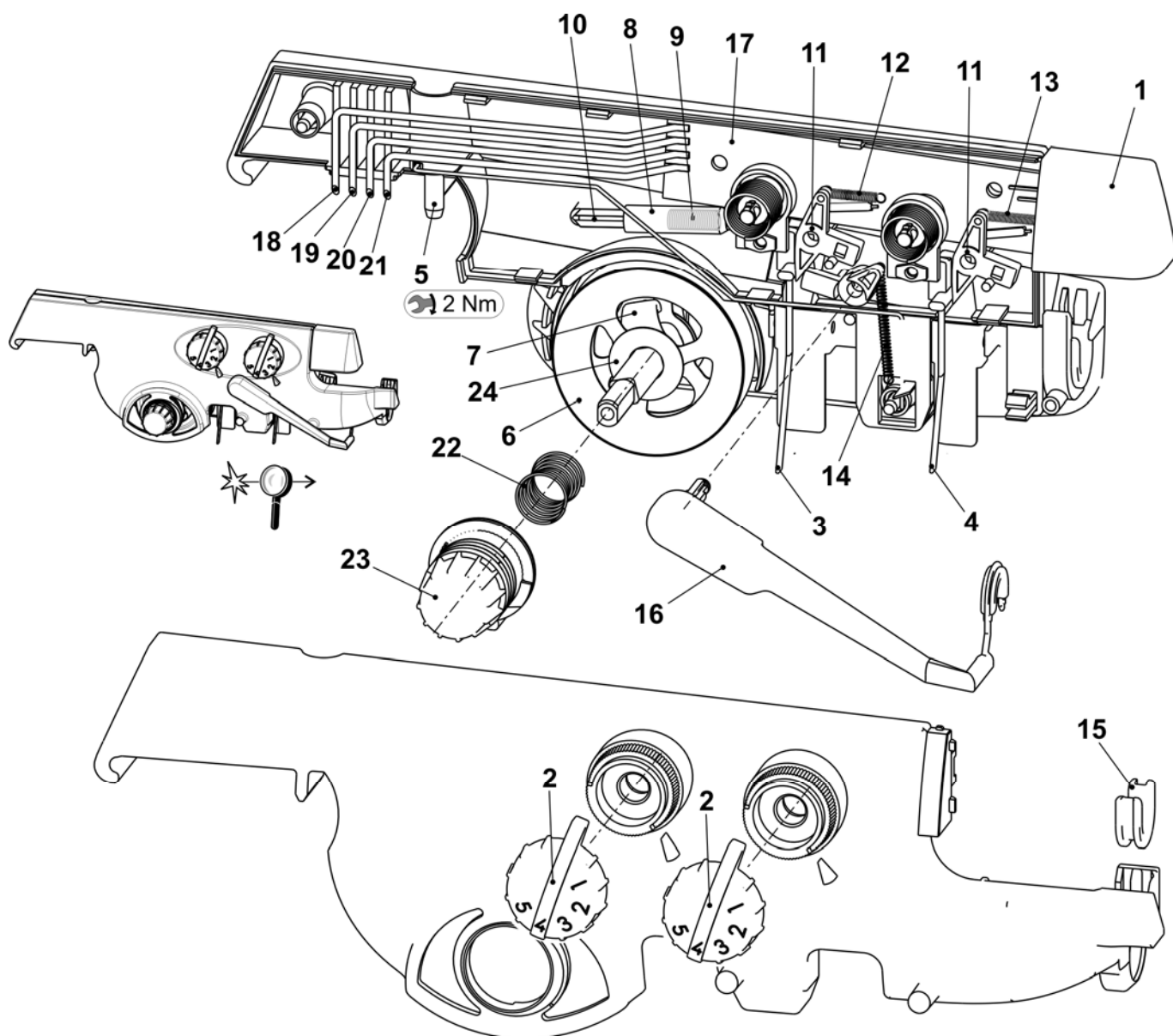
Yarn guide system with 12 FKE

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide system 12 FKE	251 627	8	Support	243 792
1	Support	251 628	9	Sliding block	228 851
2	Yarn control device (FKE)	237 124	500	Self-locking screw M6x12	023 415
3	Connection cable FKE E2	251 653	501	Screw M6x20	023 721
4	Support on the left	251 630	502	Ribbed safety nut M6-10	023 414
5	Support on the right	251 629	503	U-washer 6	022 431
6	Yarn guide bracket complete	241 581	504	Pan-head screw M8x16	023 113
7	Yarn guide bar	251 631	505	Serrated lock washer	023 388



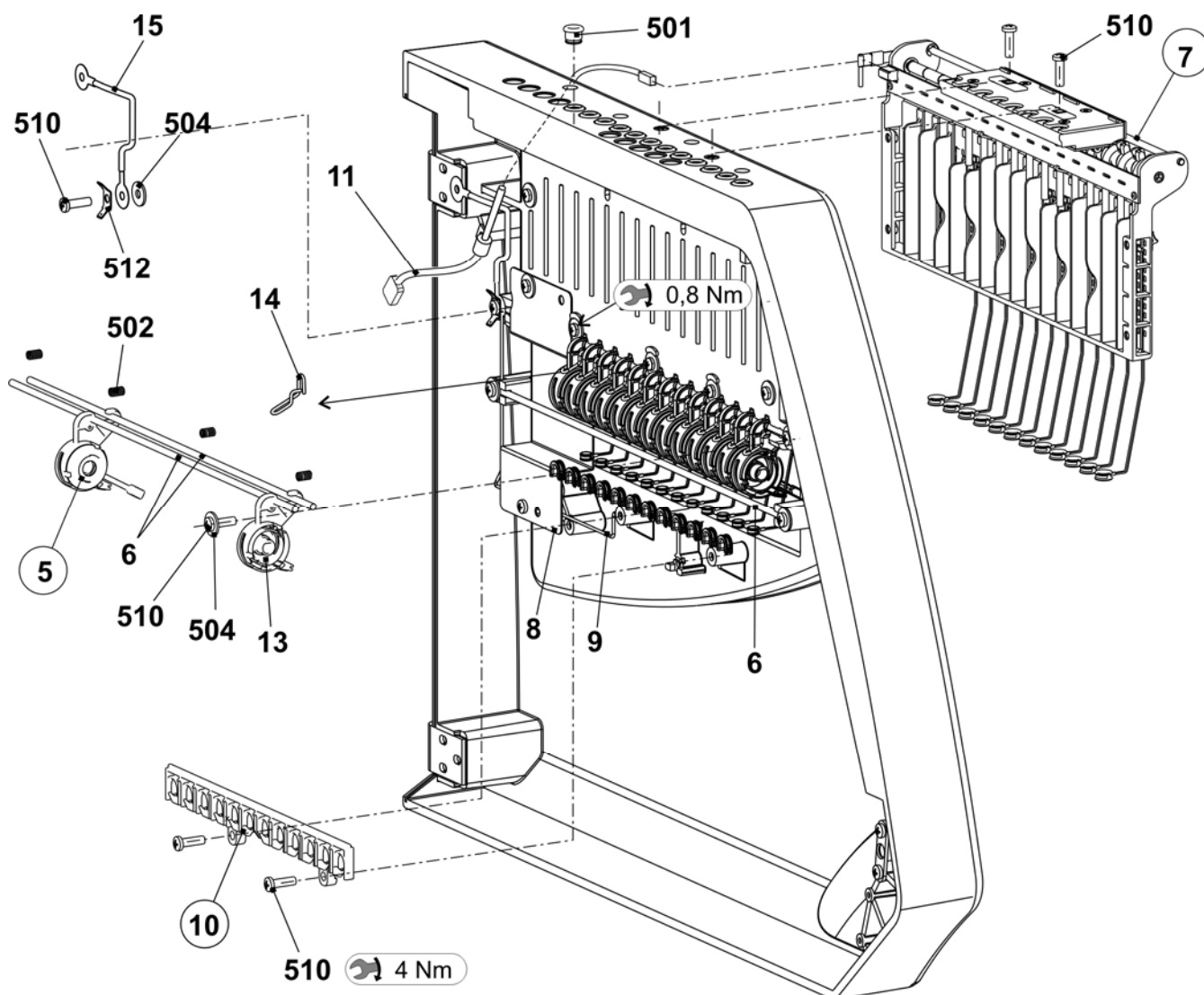
Yarn control unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn control unit	237 124			
1	Lamp cap	251 166	13	Tension spring	253 040
2	Rotary knob	251 167	14	Tension spring	253 041
3	Knot sensor big	251 168	15	Ceramic eyelet open	240 733
4	Knot sensor little	251 169	16	Turn off bow	253 043
5	Screw	251 170	17	Printed board	253 046
6	Yarn brake disk	216 365	18	Connector pin	253 047
7	Yarn holder	244 407	19	Connector pin	253 048
8	Sleeve	253 034	20	Connector pin	253 049
9	Compression spring	253 035	21	Connector pin	253 050
10	Pin	253 036	22	Compression spring	253 055
11	Trip cam	253 037	23	Rotary knob	253 056
12	Tension spring	253 038	24	Disc	253 057



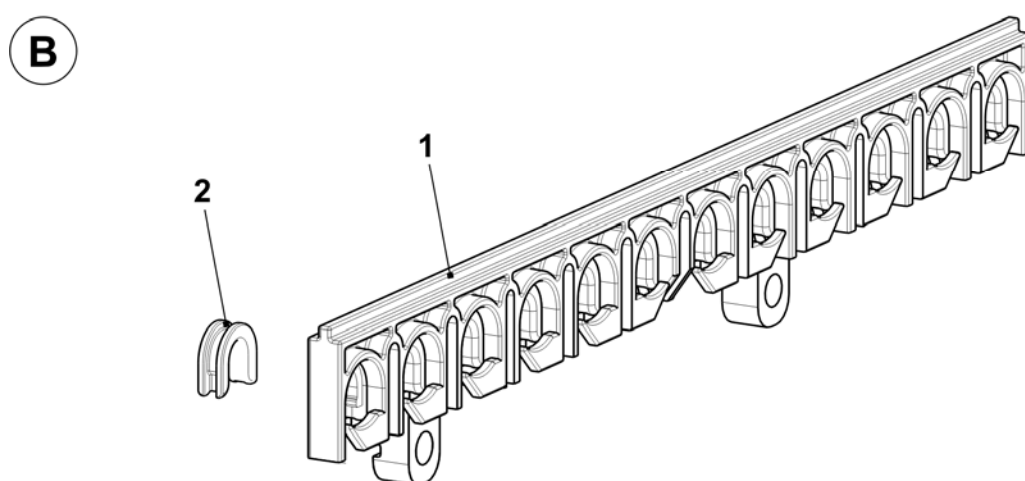
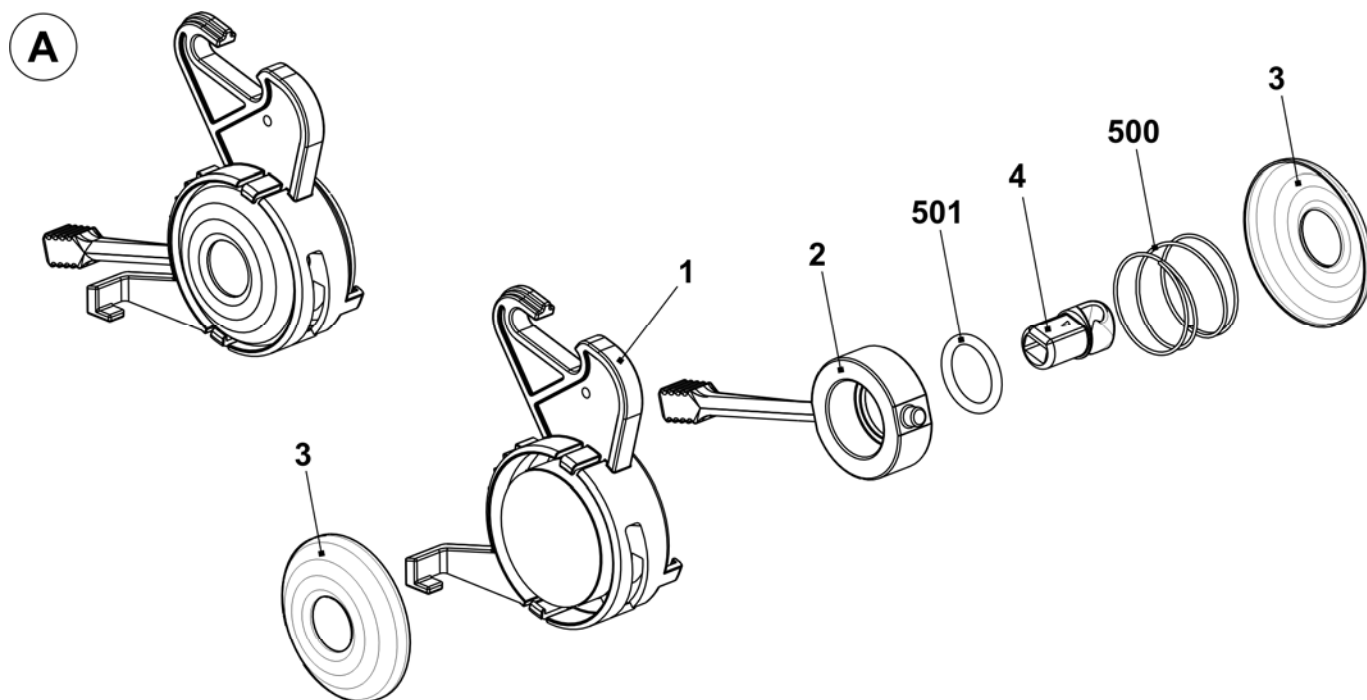
Right yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety cover on the right complete		9	Wire bow on the right	241 369
	E5 + E3,5.2 + E7m.5	241 274	10	Yarn deflector	242 011
	E7 + E6.2	241 275	11	Connection cable yarn tensioner OKC	240 808
	E12 + E14 + E7.2 + E6.2(12m.10) + E7.2(14/12)	241 276	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
	E5 + E3,5.2 + E7m.5	241 382	502	Compression spring 0.90x5.40x13.60	241 360
	E7 + E6.2	241 383	504	U-washer	022 537
	E12 + E14 + E7.2 + E6.2(12m.10) + E7.2(14/12)	241 384	510	Screw KB 60x20	237 682
	Cover	240 783	512	Flat connector 2x45° M6	243 117



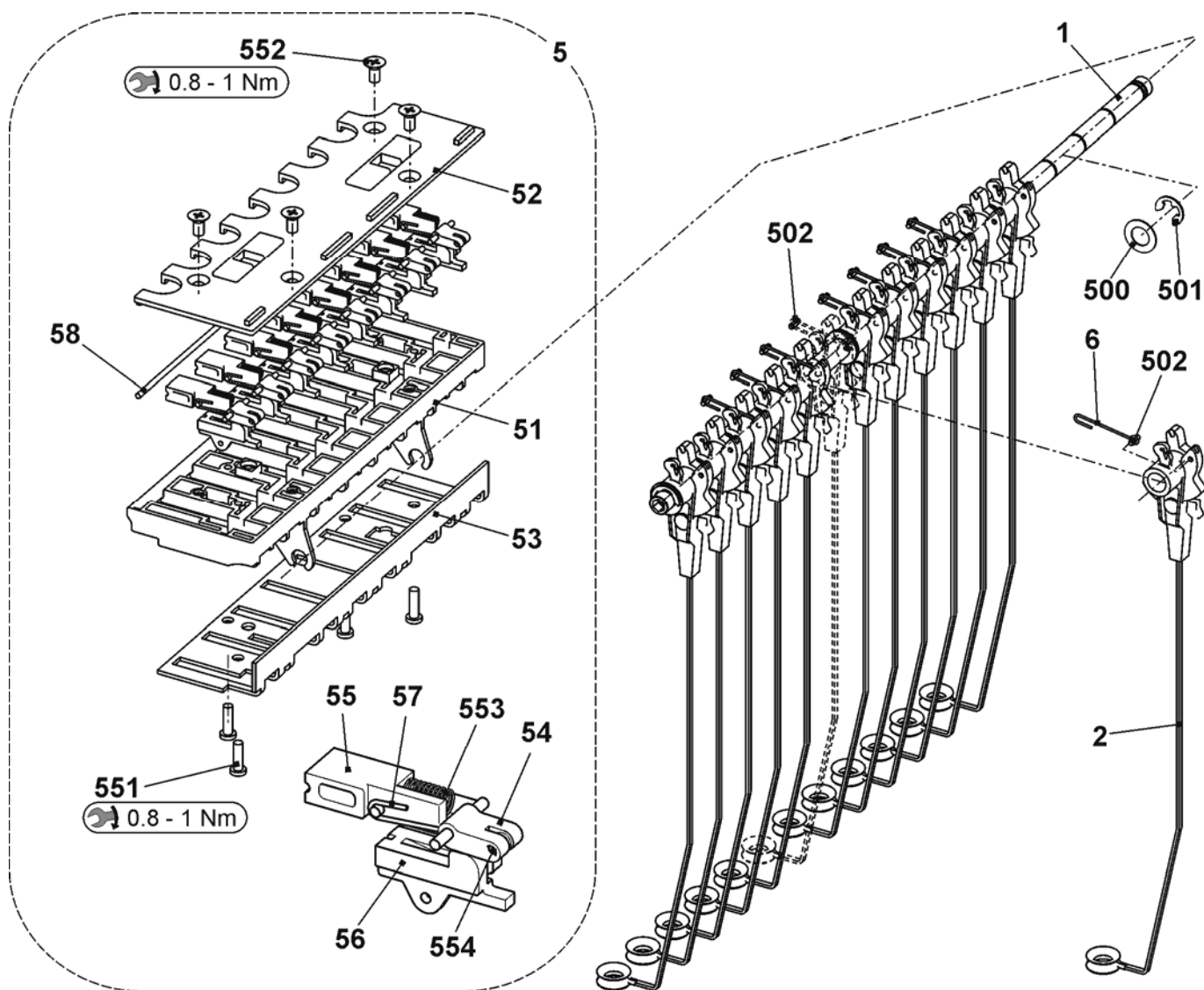
Yarn brake and yarn deflector

Pos	Designation	ID	Pos	Designation	ID
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			



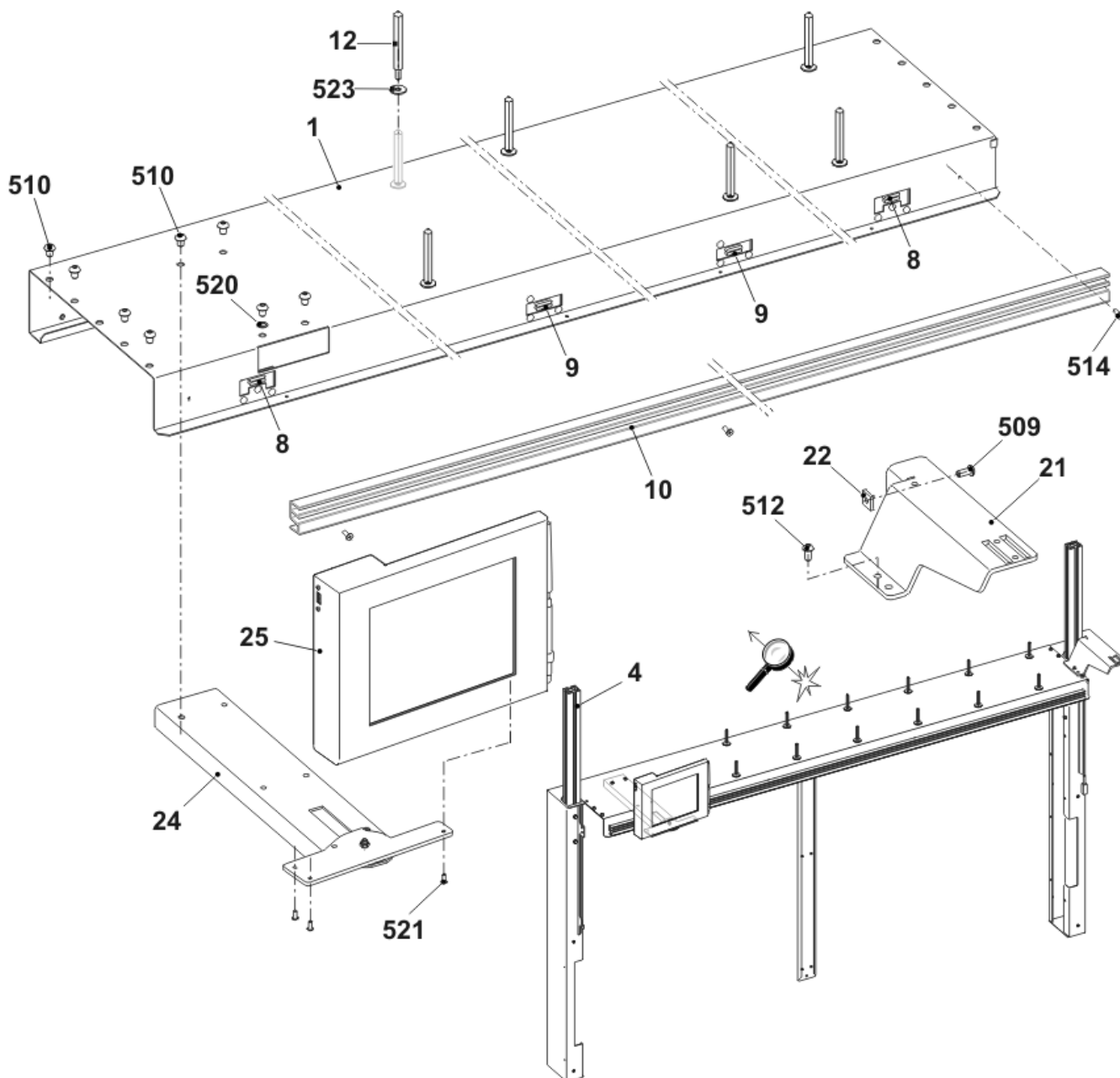
Right tension axle

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle on the right complete		502	Grooved pin 2x6	243 172
	E5 + E3,5.2 + E7m.5 + E7 + E6.2	241 379	5	Thread clamp AKF	238 695
	E12 + E14 + E7.2 + E6.2(12m.10) + E7.2(14/12)	241 380	51	Housing AKF	238 689
1	Axle	243 107	52	Cover AKF	237 926
2	Tension arm pre-assembled		53	Sheet metal at the bottom (housing AKF)	240 719
	E5 + E3,5.2 + E7m.5 + E7 + E6.2	242 770	54	Lever AKF	238 692
	E12 + E14 + E7.2 + E6.2(12m.10) + E7.2(14/12)	242 771	55	Thrust piece AKF	238 690
6	Wire bow	238 694	56	Slider AKF	238 691
500	Shim ring 8x14x0.5	023 501	57	Wire bow	238 694
501	Circlip	021 022	58	Wire	237 940
			551	Screw KB 35x12	237 681
			552	Screw KB 40x8	236 227
			553	Compression spring 0.30x4.50x18.50	241 437
			554	Grooved pin 2x6	243 172



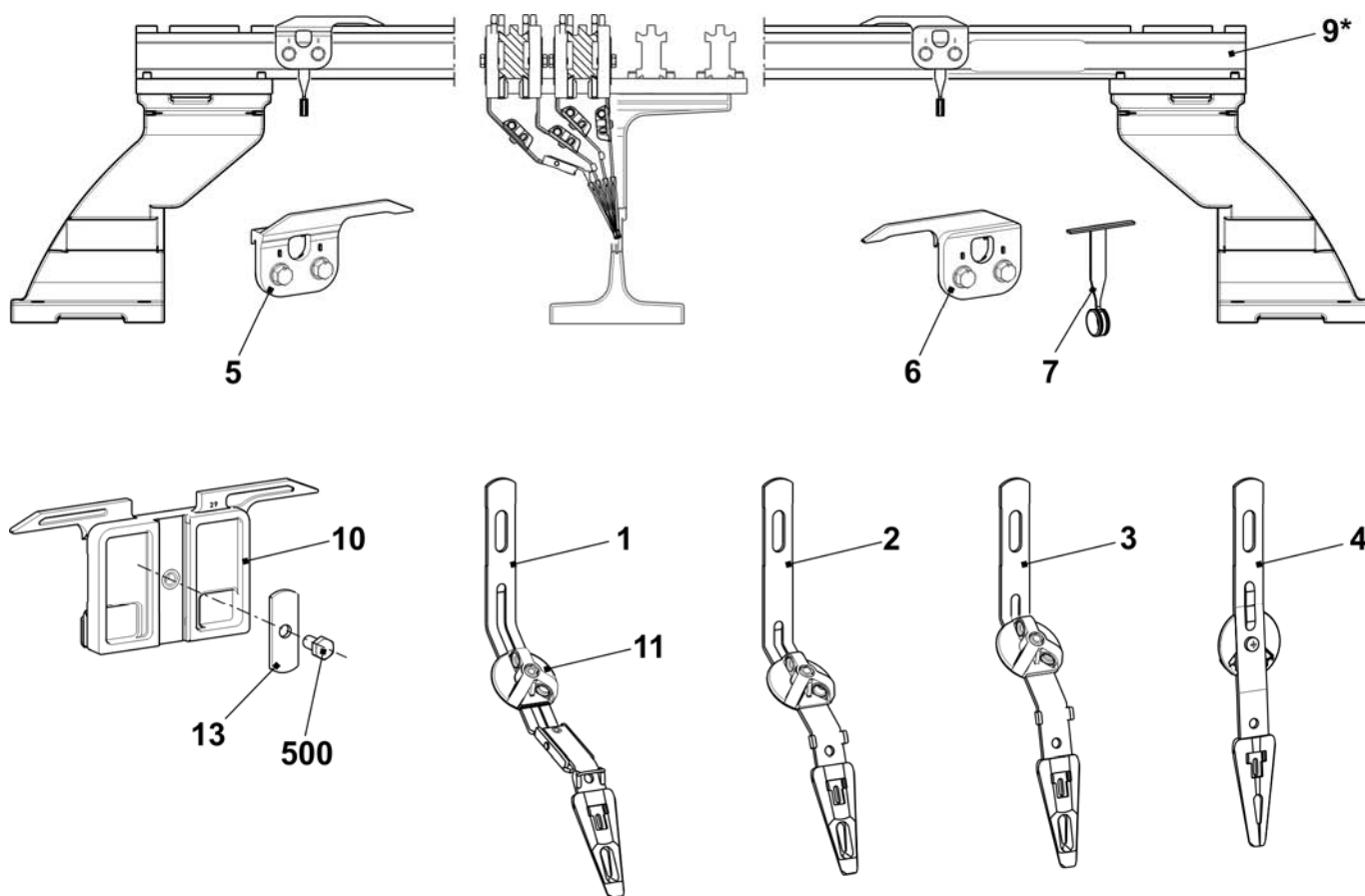
Bobbin board

Pos	Designation	Ident no.	Pos	Designation	Ident no.
Σ	Table complete 45"	251 666	24	Support display complete	254 817
1	Table	251 667	25	Display touch complete	254 282
4	Support element	228 594	509	Countersunk screw M8x18	251 331
8	Card magnet switch protective hood	251 065	510	Countersunk screw M8x10	241 930
9	Card magnet switch protective hood	251 066	512	Countersunk screw M8x16	023 113
10	Guide rail at the top	251 670	514	Countersunk screw M4x12	023 062
12	Positioning pin	204 819	520	Circlip S8	029 209
21	Support of right feed wheel	250 967	521	Countersunk screw M4x10	023 450
22	Sliding block	228 851	523	U-washer	020 901



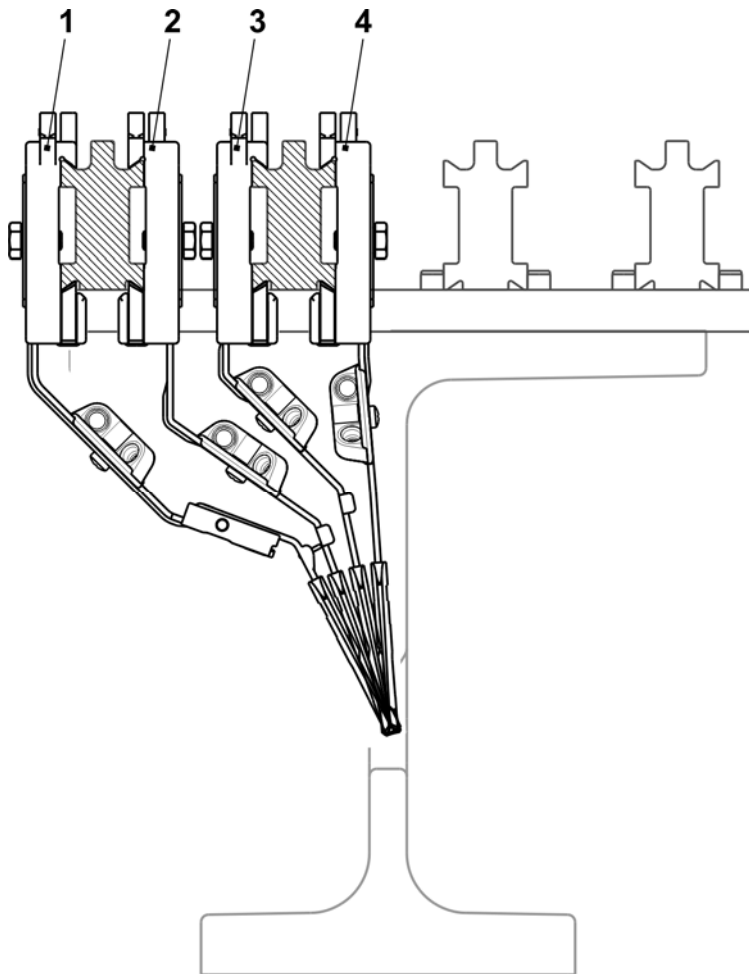
Yarn carrier and guide rails

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide complete		E5 + E3,5.2 + E7m.5		
	E5 + E3,5.2 + E7m.5	253 830	1	YC bow 1+8 complete E5	212 990
	E7 + E6.2	253 831	2	YC bow 2+7 complete E5	212 992
	E12 + E14 + E6.2(12m.10) + E7.2 + E7.2(14/12)	253 832	3	YC bow 3+6 complete E5	212 991
5	Limiter on the left complete	244 099	4	YC bow 4+5 complete E5	212 993
6	Limiter on the right complete	244 098	E7 + E6.2		
7	Slider with eyelet	230 709	1	YC bow 1+8 complete E7-8	212 892
9*	Yarn carrier bar	252 012	2	YC bow 2+7 complete E7-8	212 914
10	YC carriage complete	243 062	3	YC bow 3+6 complete E7-8	212 925
11	Yarn guide wheel complete	209 257	4	YC bow 4+5 complete E7-8	212 910
13	Shim	213 035	E12 + E14 + E6.2(12m.10) + E7.2 + E7.2(14/12)		
500	Hexagon screw M5x10	020 351	1	YC bow 1+8 complete E10-14	212 994
			2	YC bow 2+7 complete E10-14	212 996
			3	YC bow 3+6 complete E10-14	212 995
			4	YC bow 4+5 complete E10-14	212 997



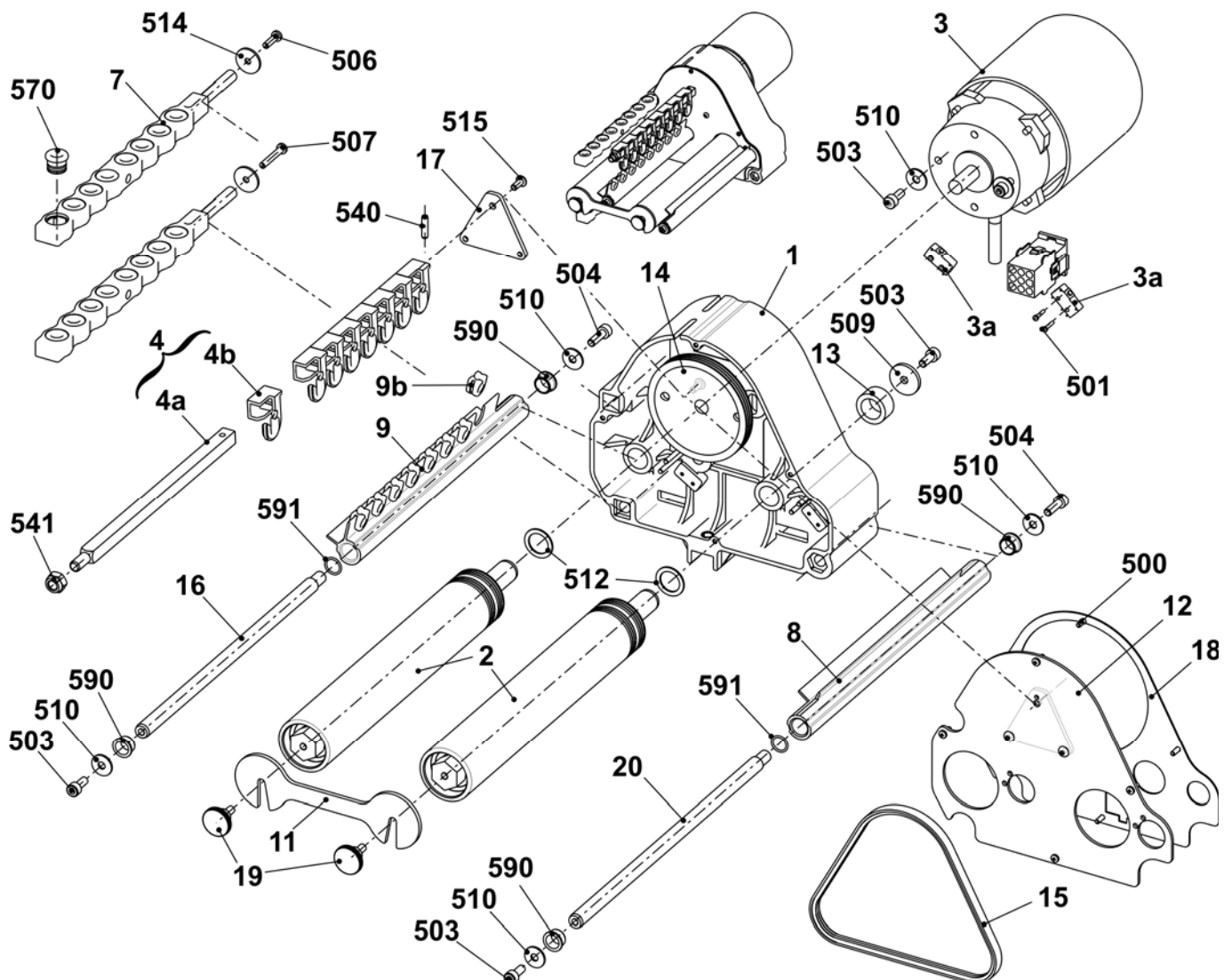
Complete yarn carriers

Pos	Designation	Track	ID	Pos	Designation	Track	ID
E5 + E3.5.2 + E7m.5				E12 + E14 + E6.2(12m.10) + E7.2 + E7.2(14/12)			
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							
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				



Right friction feed wheel

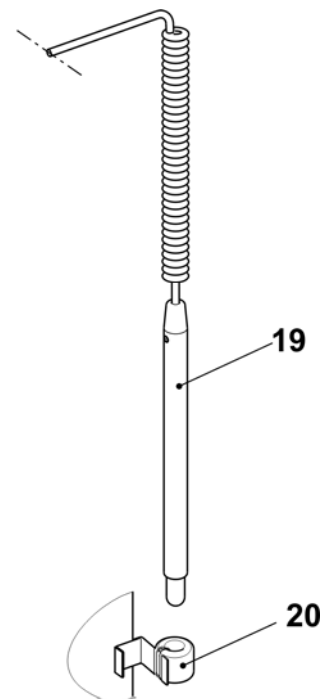
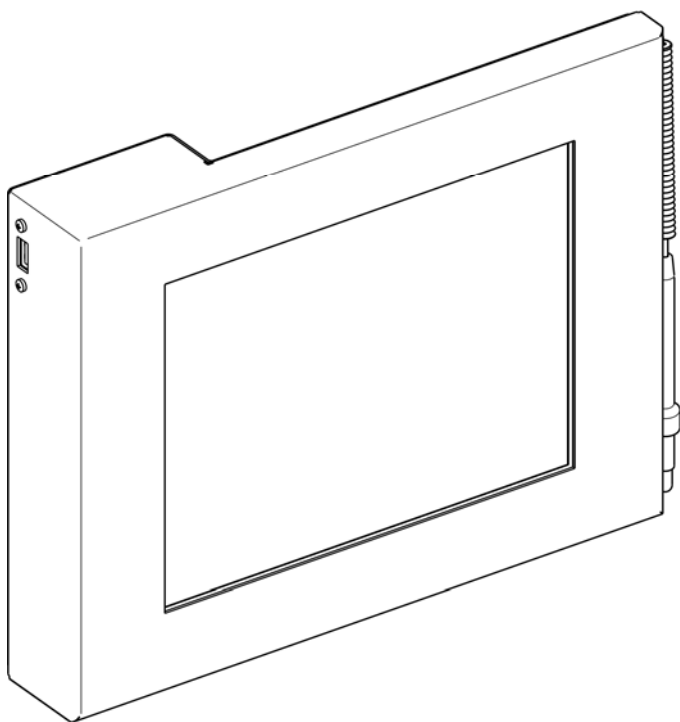
Pos	Designation	ID	Pos	Designation	ID
Σ	Friction feed wheel on the right complete	243 572	13	Bush	221 391
1	Housing	240 368	14	Ribbed V-belt pulley	221 268
2	Friction roller complete	231 704	15	Ribbed V-belt pulley V3J 406	206 927
3	Three-phase AC motor complete	219 800	16	Rod	221 319
3a	Microswitch	008 664	17	Supporting plate	251 096
4	Deflector complete 8-fold	250 089	18	Cover	230 758
4a	Support rail	250 055	19	Knurled screw	223 361
4b	Eyelet holder complete	250 077	20	Rod	230 658
540	Spring dowel sleeve 4x15	020 783	500	Screw KB30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	244 736
7	Yarn guide rod complete	239 431	503	Cap screw M5x12	020 132
570	Eyelet 8	021 504	504	Cap screw M5x16	022 726
8	Stop motion rail on the right complete	230 690	506	Screw KB 40x14	241 358
9	Stop motion rail on the right complete with eyelets	230 682	507	Screw KB 40x25	241 595
9b	Eyelet	230 662	509	Washer 5.3x22x2.5	023 219
590	Slide bearing	023 627	510	U-washer 5	020 901
591	O-ring	244 895	512	Adjusting washer 15x21x1	023 216
11	Strap	221 316	514	U-washer 4.3	020 908
12	Cover	251 098	515	Countersunk screw M4x10	023 450



Operation and control

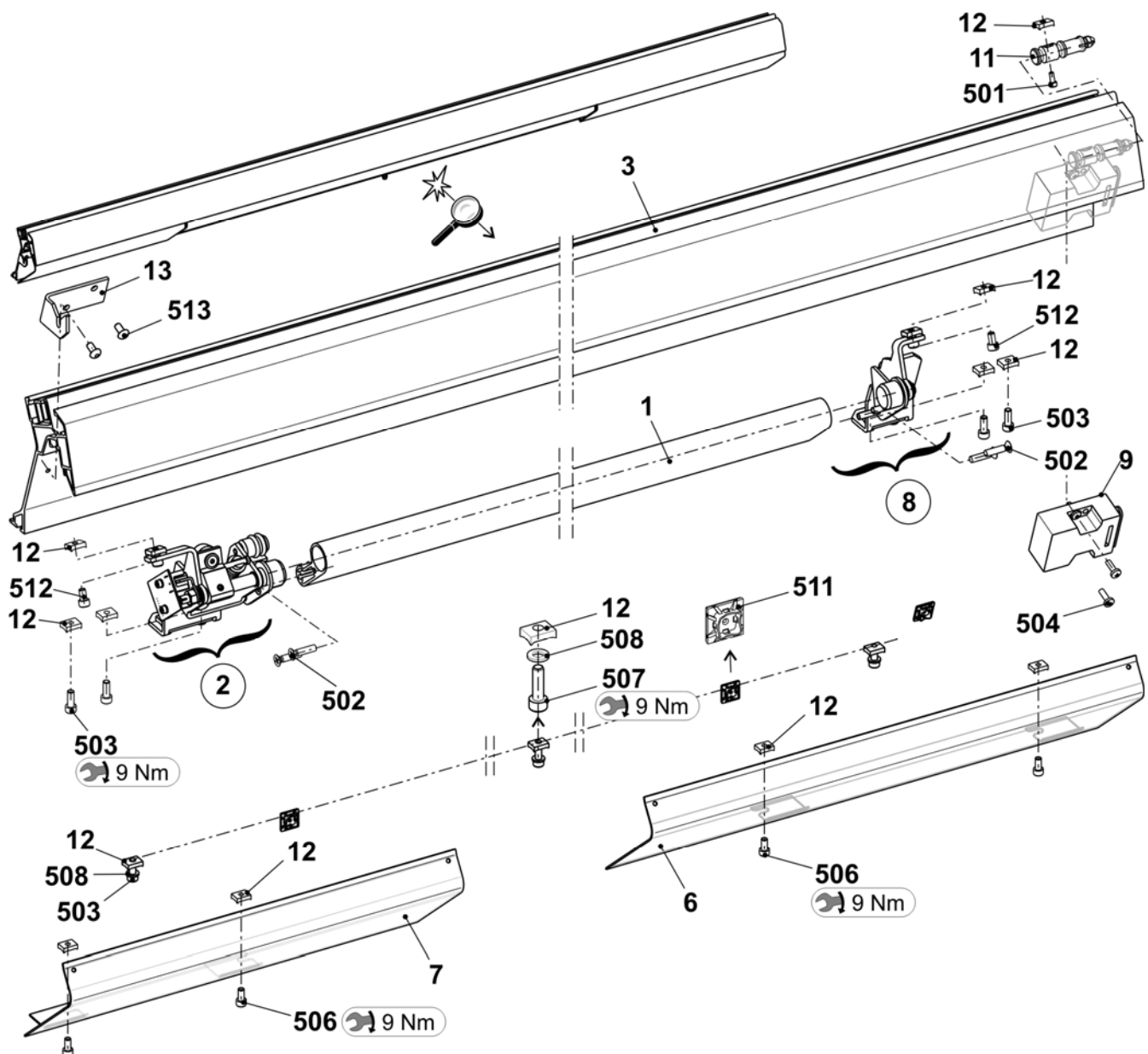
Input unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Display touch complete	254 282			
19	Pencil touch	242 812	20	Support touch pencil	254 973



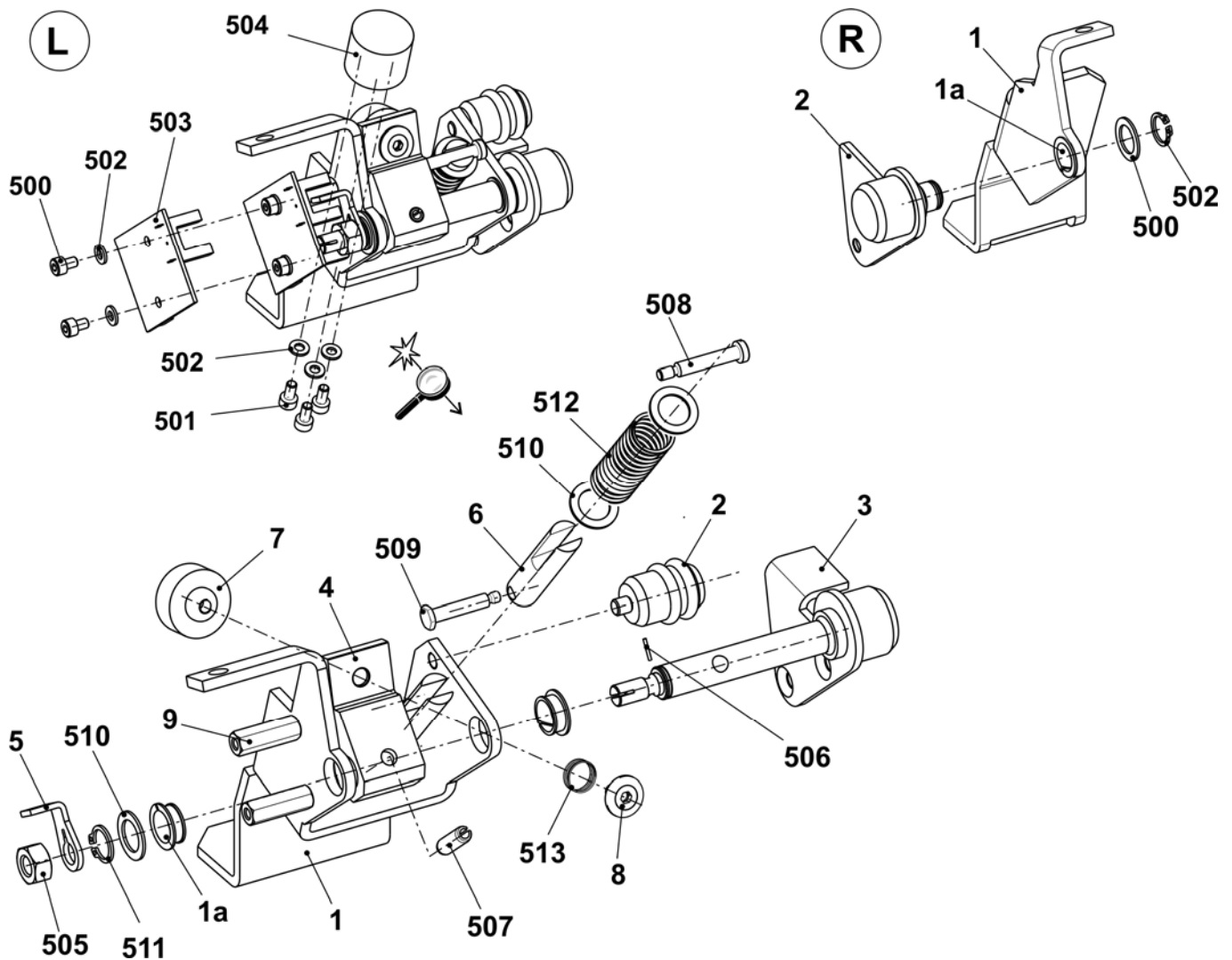
Starting unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Starting unit complete	252 680			
1	Engaging rod	251 686	501	Cap screw M4x10	023 136
2	Bearing on the left complete	250 071	502	Screw M6x25	023 510
3	Guide rail at the bottom pre-assembled	251 689	503	Cap screw M6x16	020 135
6	Cover plate on the right	251 691	504	Countersunk screw M5x14	023 588
7	Cover plate on the left	251 690	506	Cap screw M6x12	020 134
8	Bearing on the right complete	252 964	507	Cap screw M6x20-12.9	020 136
9	Cable switch protective hoods	223 350	508	U-washer 6	020 872
11	Fixing bolt	219 107	511	Adhesive base	243 055
12	Sliding block	225 099	512	Cap screw M6x10	023 690
13	Support angle for safety cover	250 557	513	Countersunk screw M5x10	023 247



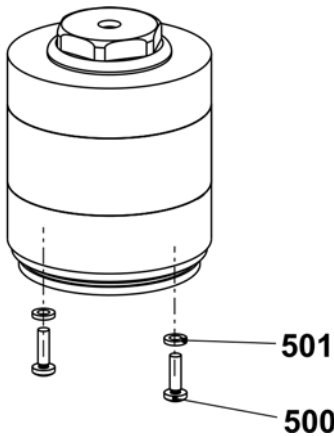
Bearing of the engaging rod

Pos	Designation	ID	Pos	Designation	ID
L	Bearing on the left complete	250 071	505	Hexagon nut M8-6	020 838
1	Bearing on the left	245 218	506	Dowel pin 1.5x8	236 923
1a	Clip bearing MCM 12-04	023 639	507	Spring dowel sleeve 6x20	023 719
2	Support buffer	220 561	508	Shoulder screw M4x24.8x7.7	240 299
3	Shaft on the left	245 219	509	Shoulder screw	251 316
4	Rotor	253 776	510	Shim ring 12x18x1	023 315
5	Switch flag	245 220	511	Locking ring 12x1	020 951
6	Spring pin	251 340	512	Compression spring 1.25x15x98.2	023 609
7	Disc	245 222	513	Compression spring 0.5x11x12	251 369
8	Shoulder screw	254 528			
9	Distance bolt	240 287	R	Bearing on the right complete	252 964
500	Cap screw M4x6	023 067	1	Bearing on the right	240 230
501	Cap screw M4x8	022 501	1a	Clip bearing MCM 12-04	023 639
502	Shim ring 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging OKC	240 167	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Locking ring 12x1	020 951



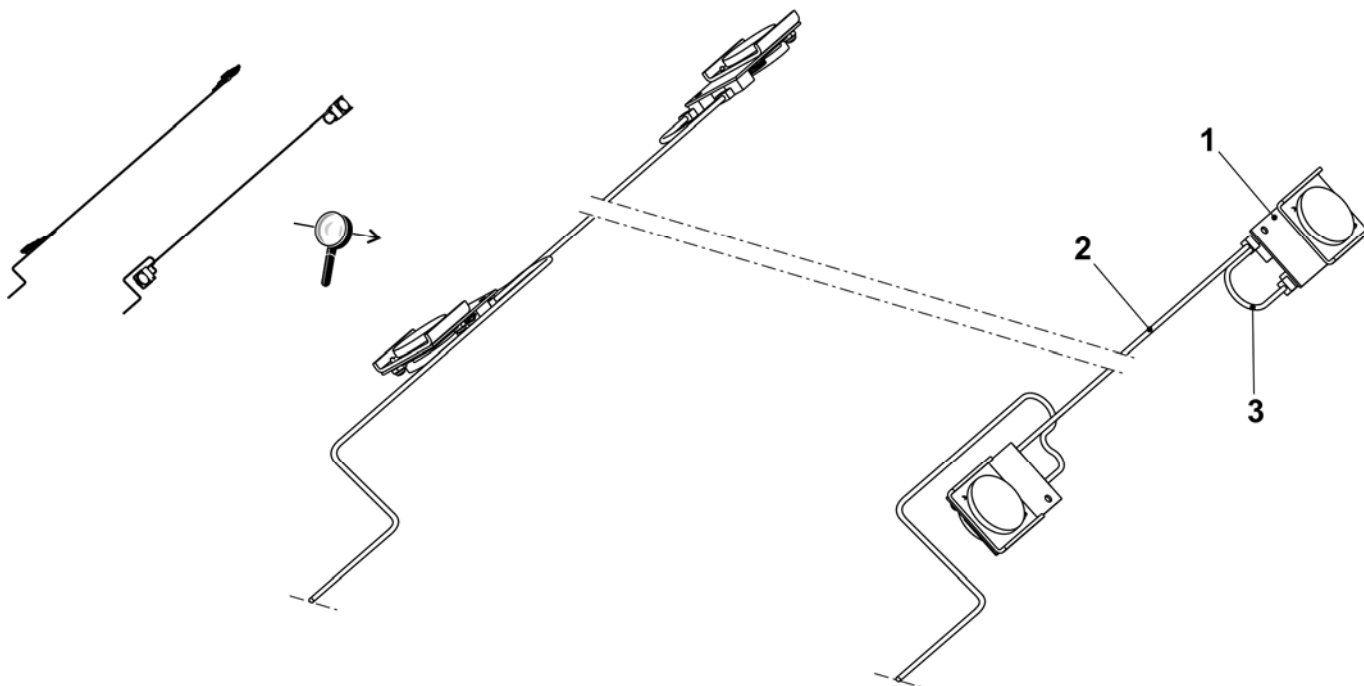
Signal light

Pos	Designation		ID	Pos	Designation		ID
Σ	Signal light LED single lamp with horn		251 153				
	500	Countersunk screw M4x14	023 037				
	501	Serrated lock washer A4.3-FS	022 482				



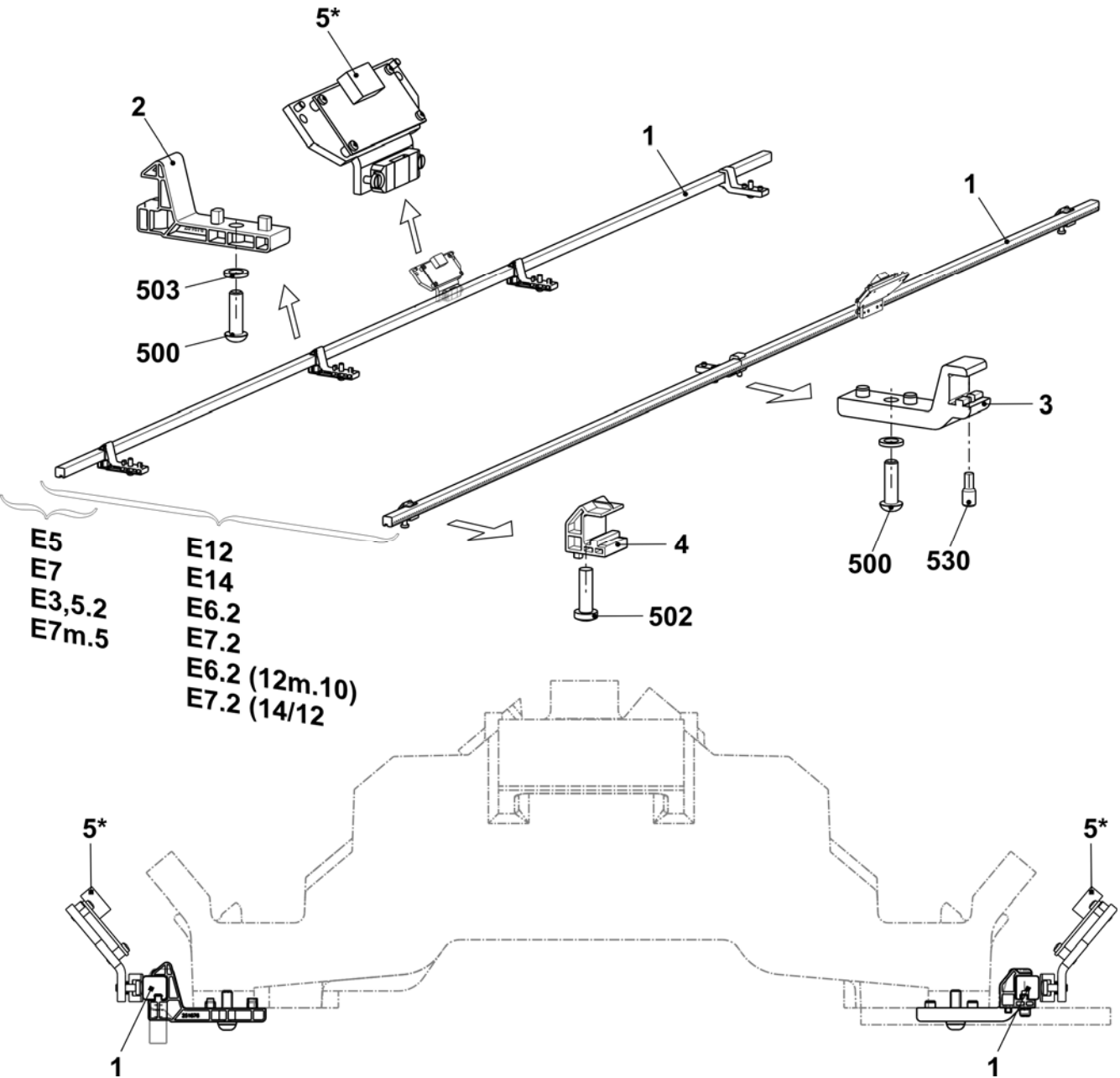
Shock stop motion

Pos	Designation	ID	Pos	Designation	ID
Σ	Shock stop motion complete	255 435			
1	Shock stop motion (Piezo)	220 011	3	End plug piezo sensor	220 053
2	Connecting cable piezo sensor	220 063			



Measuring device

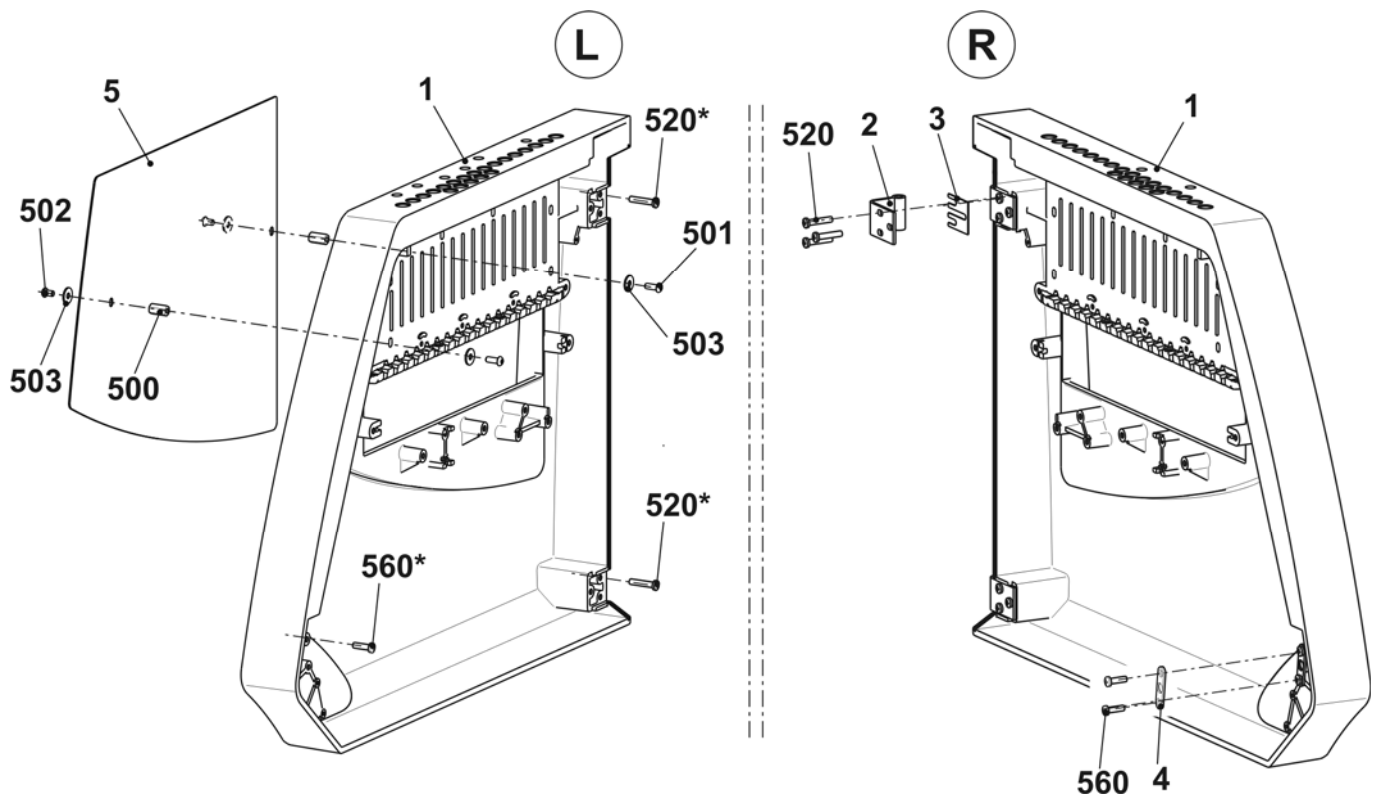
Pos	Designation	ID	Pos	Designation	ID
Σ	Measuring device		4	Guidance exterior	251 605
1	Measuring bar	251 651	5*	Measuring head	240 562
2	Guidance	251 676	500	Countersunk screw M6x20	241 603
3	Guidance	240 672	502	Screw 60x20	243 625
530	Set screw	230 803	503	U-washer 6	020 881



Protective units

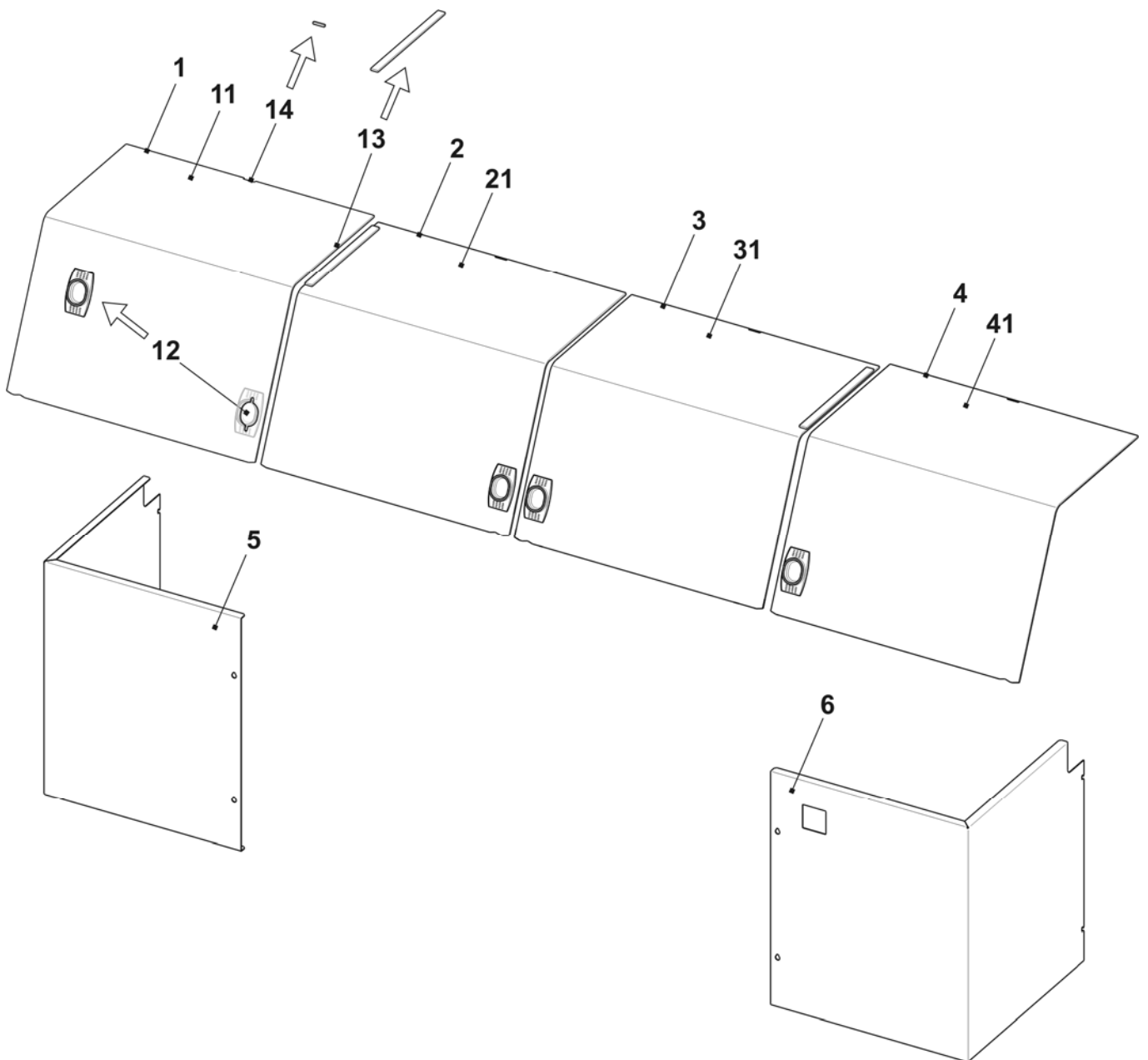
Lateral safety covers

Pos	Designation	ID	Pos	Designation	ID
ΣL	Safety cover on the left complete		ΣR	Safety cover on the right complete	
	All gauges	250 383		E5 + E3,5.2 + E7m.5	241 274
1	Safety cover on the left	250 562		E7 + E6.2	241 275
5	Cover of safety cover	250 188		E12 + E14 + E7.2 + E6.2(12m.10) + E7.2(14/12)	241 276
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	U-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



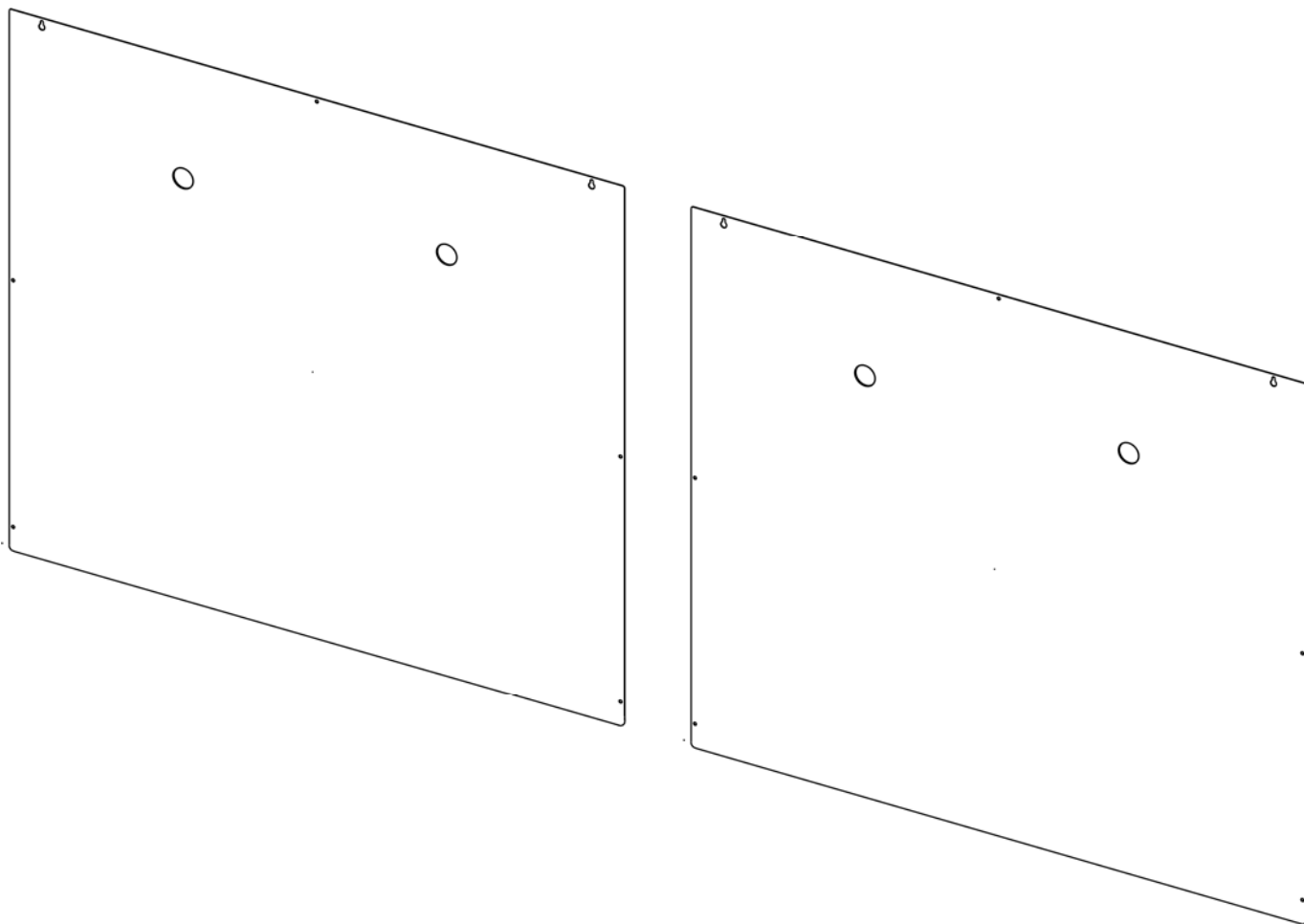
Panelling

Pos	Designation	ID	Pos	Designation	ID
1	Cover 1 complete	251 750	3	Cover 3 complete	251 752
	11 Cover 1	251 754		31 Cover 3	251 756
	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	251 751	4	Cover 4 complete	251 753
	21 Cover 2	251 755		41 Cover 4	251 757
	- 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	252 595	6	Control unit panelling on the right	252 585



Rear panel

Pos	Designation	ID	Pos	Designation	ID
1	Panelling at the rear	251 974			

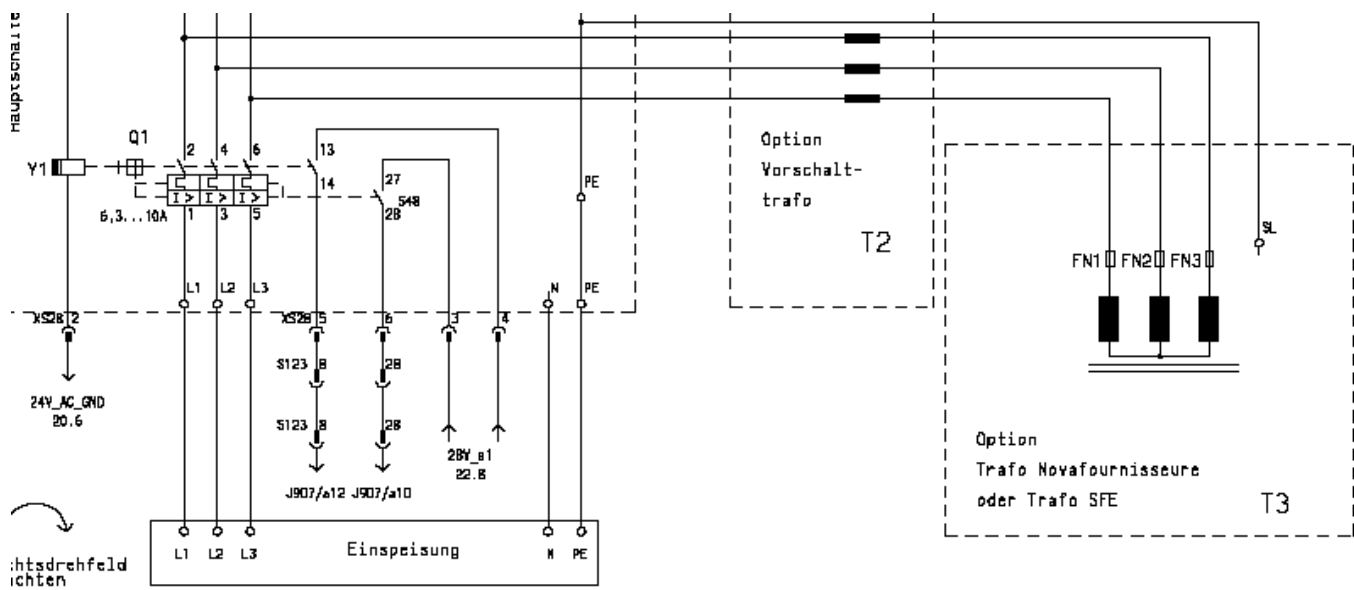


Electrical equipment

Circuit diagram (220) as PDF

Designation	ID	Identification
Circuit diagram 220 German	253 104	DE
Circuit diagram 220 English	253 104	GB
Circuit diagram 220 Chinese	253 104	CN

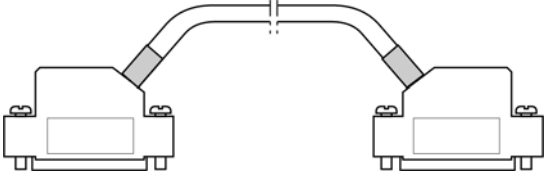
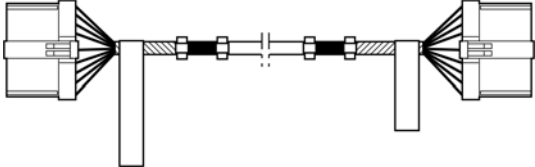
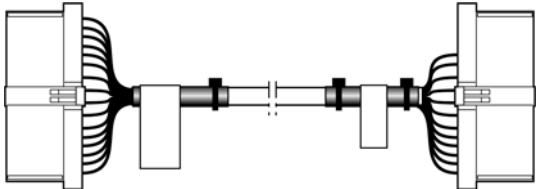
You will find the circuit diagram 220 on the CMS documentation DVD with the identification number 253 132



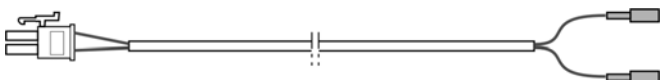
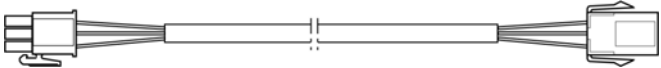
Fuses

	<i>Designation</i>	<i>ID</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

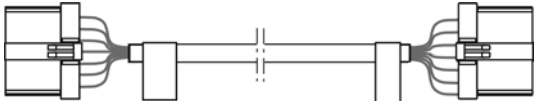
Trailing cable

Designation	ID	Designation	ID
Trailing cable set 420 ECO2	252 006		
Cable carriage at the back XR332 420 ECO2	252 007	Cable impulse giver at the back 420 XR136 ECO2	252 060
Cable carriage at the back XR332 420 ECO2	252 008	Cable impulse giver at the front 420 XR137 ECO2	252 061
			
Cable yarn carrier 420 XR161 ECO2	252 059		
			

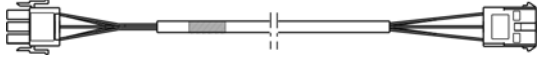
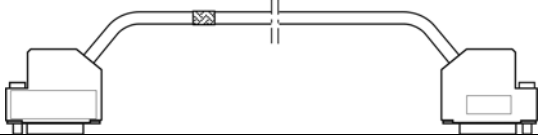
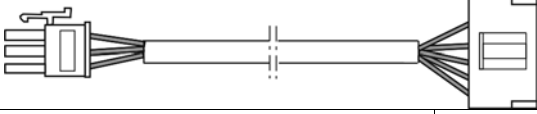
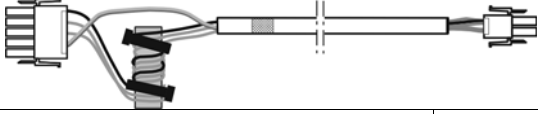
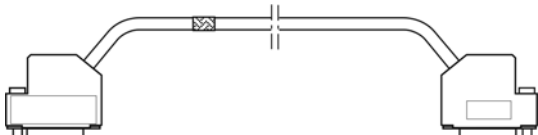
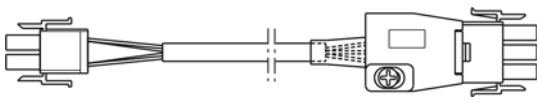
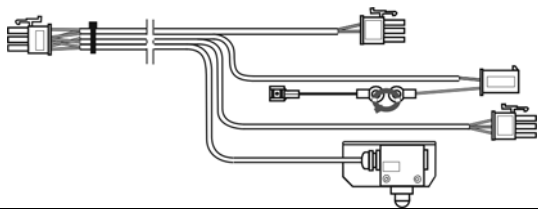
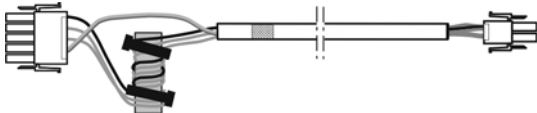
Cable set installation

Designation		ID	Designation		ID
Σ	Cable set installation 420 ECO2	252 374			
1	Loom of cables base 1 ECO2	252 537	3	Loom of cables ECO2	252 547
2	Loom of cables base 2 ECO2	240 257	4	Loom of cables comb OKC	240 259
7	Cable switch main take-down 50" ECO2	252 541	8	Cable mains supply FKE lamp ECO2	252 587
					

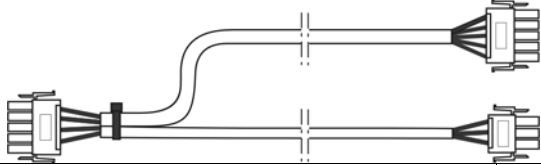
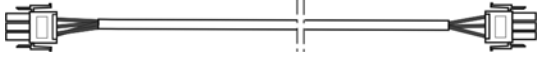
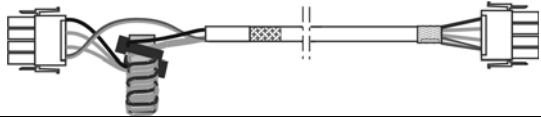
Loom of cables base 1 ECO2

Designation		ID	Designation		ID
Σ	Loom of cables base 1 ECO2	252 537			
	Cable enganging ECO2	252 538		Cable limit switch drive on the left ECO2	252 539
					

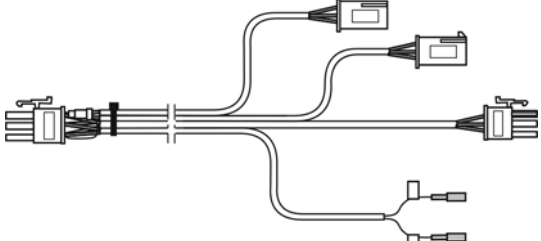
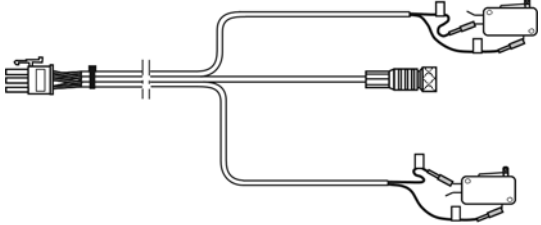
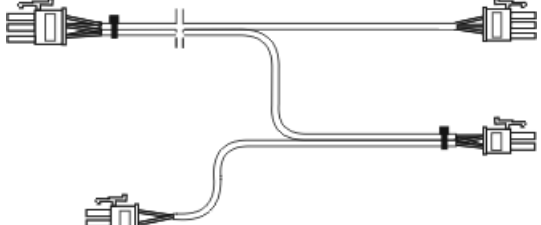
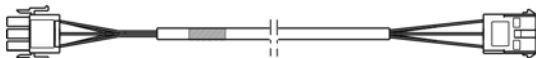
Loom of cables base 2 OKC

Designation	ID	Designation	ID
Σ Loom of cables base 2 ECO2	240 257		
Cable motor HAAB OKC	240 291	Cable resolver drive OKC 3xx	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	253 441
			
Cable drive motor OKC 3xx	240 295		
			

Loom of cables ECO2

Designation	ID	Designation	ID
Loom of cables ECO2	252 547		
Cable power supply WAZ/F 50" OKC	250 354	Cable power supply of mains supply OKC	240 505
			
Cable power supply Servo 50" OKC	240 502		
			

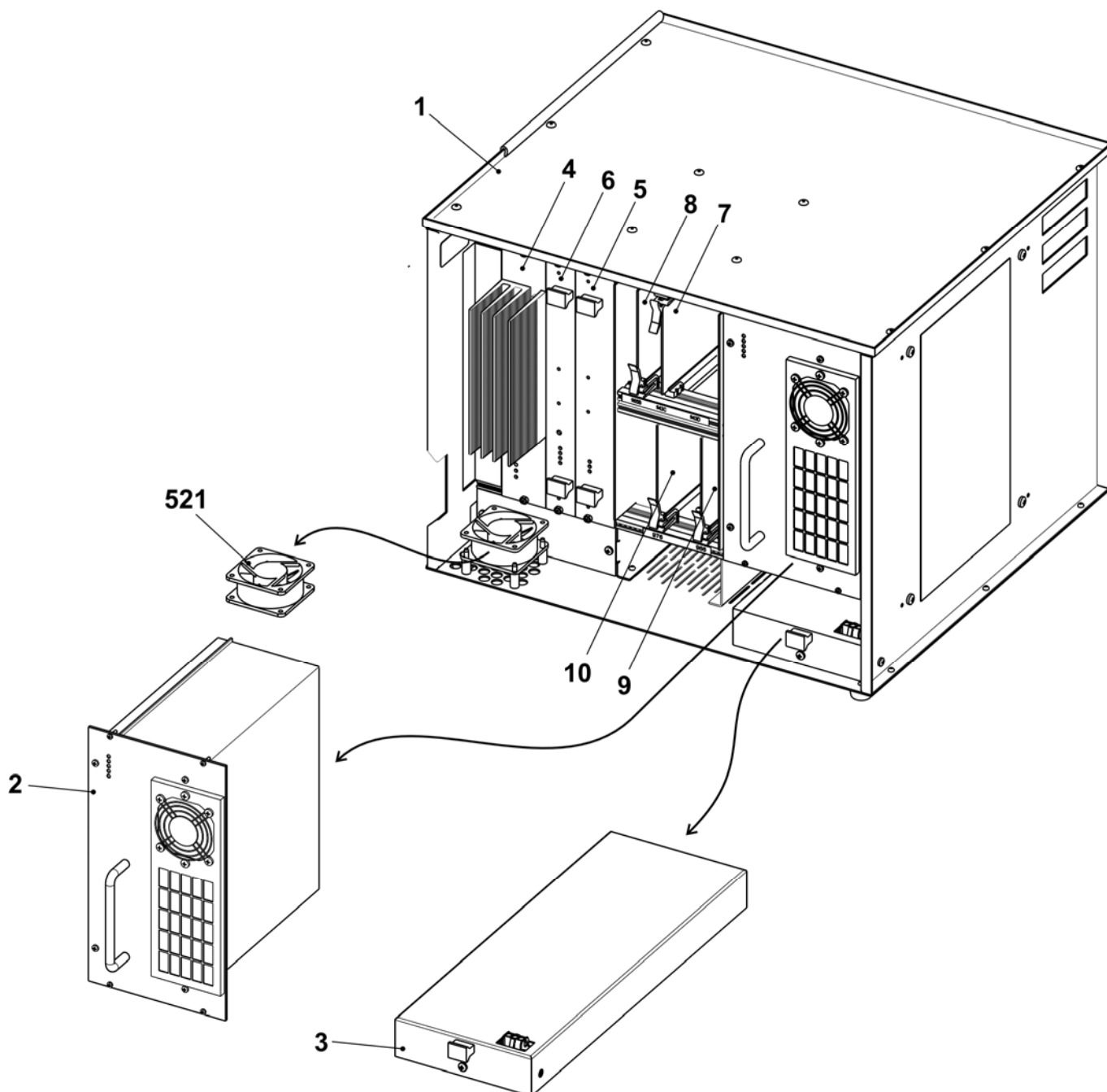
Loom of Cables for Comb

Designation	ID	Designation	ID
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

Control cabinet

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit 420 ECO2	253 669	6	Card BIO ECO2	301 007
1	Control unit without equipment 420 ECO2	253 668	7	Card amplifier 4SM 7TE	300 943
2	Power supply CG54	320 923	8	Card N-CPU 432	300 965
3	Battery plug-in unit	301 008	9	Card Power CPU 1	300 966
4	Card servo 6	301 000	10	Card IPC P8X OKC	300 976
5	Card C-WAZ ECO2	301 006	521	Axial blower Servo 5	229 059



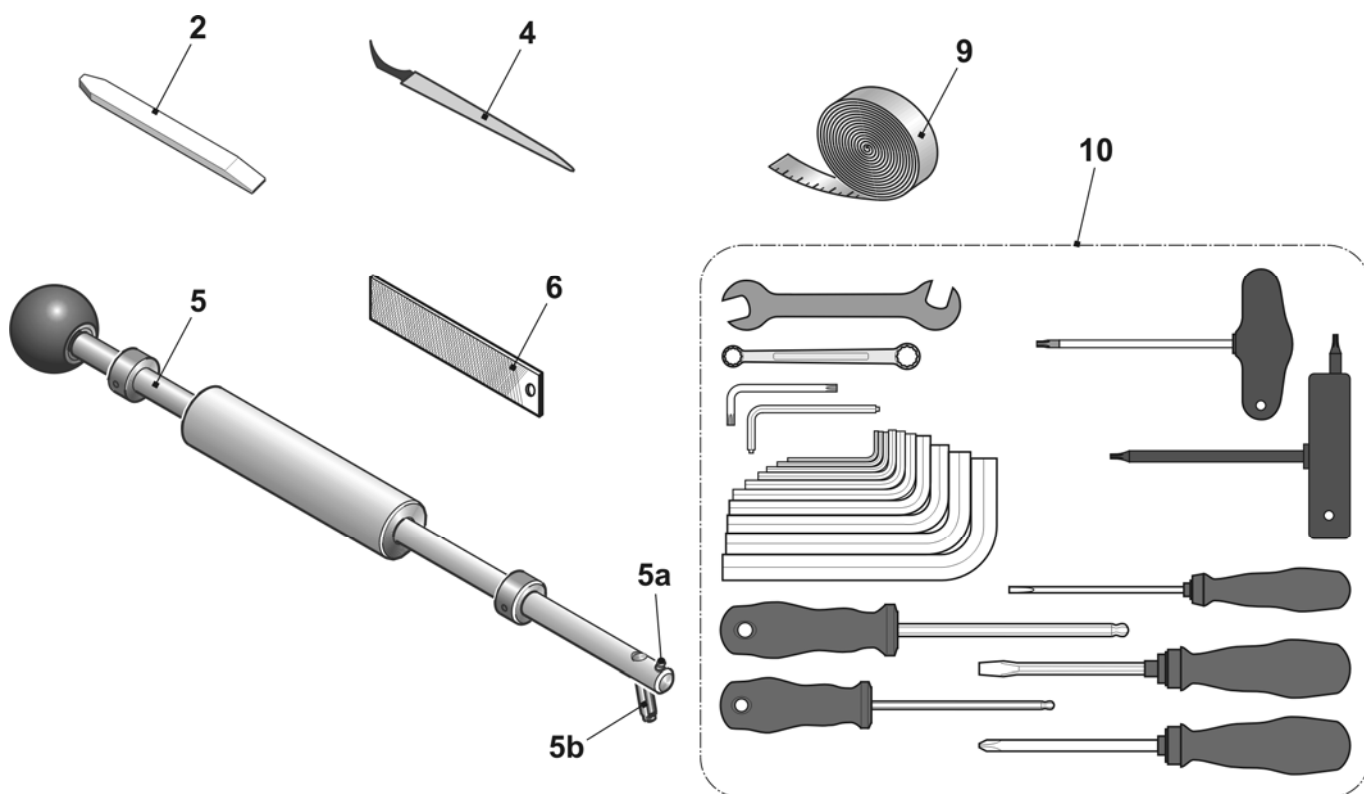
Deliverable accessories

You can order the following tools, lubricants and expendables.

The following list is not conform with the scope of supply of the knitting machine.

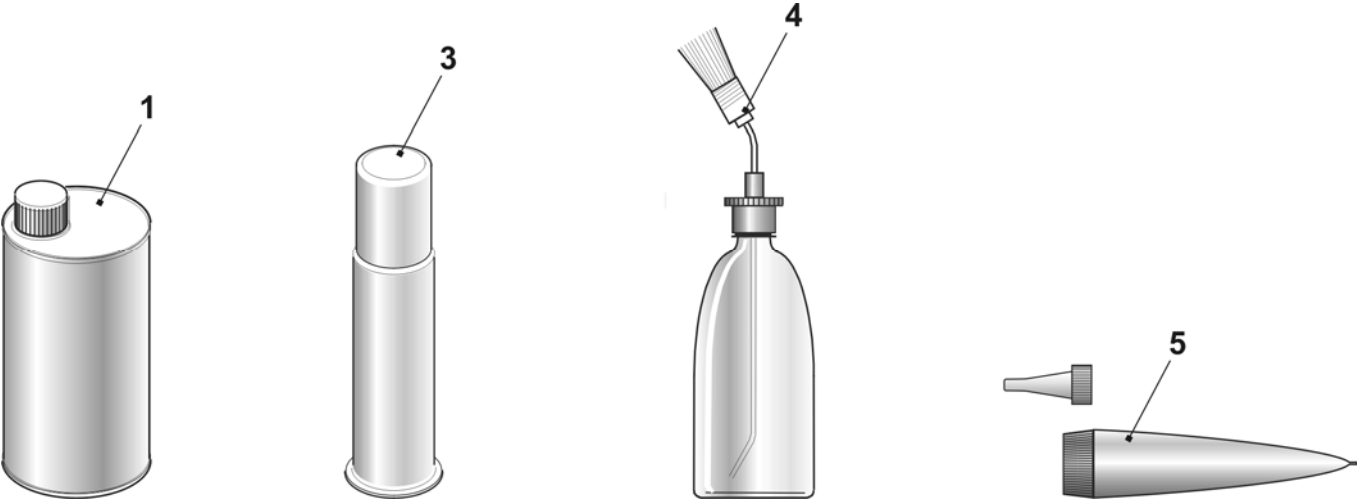
Tool

Pos	Designation	ID	Pos	Designation	ID
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			



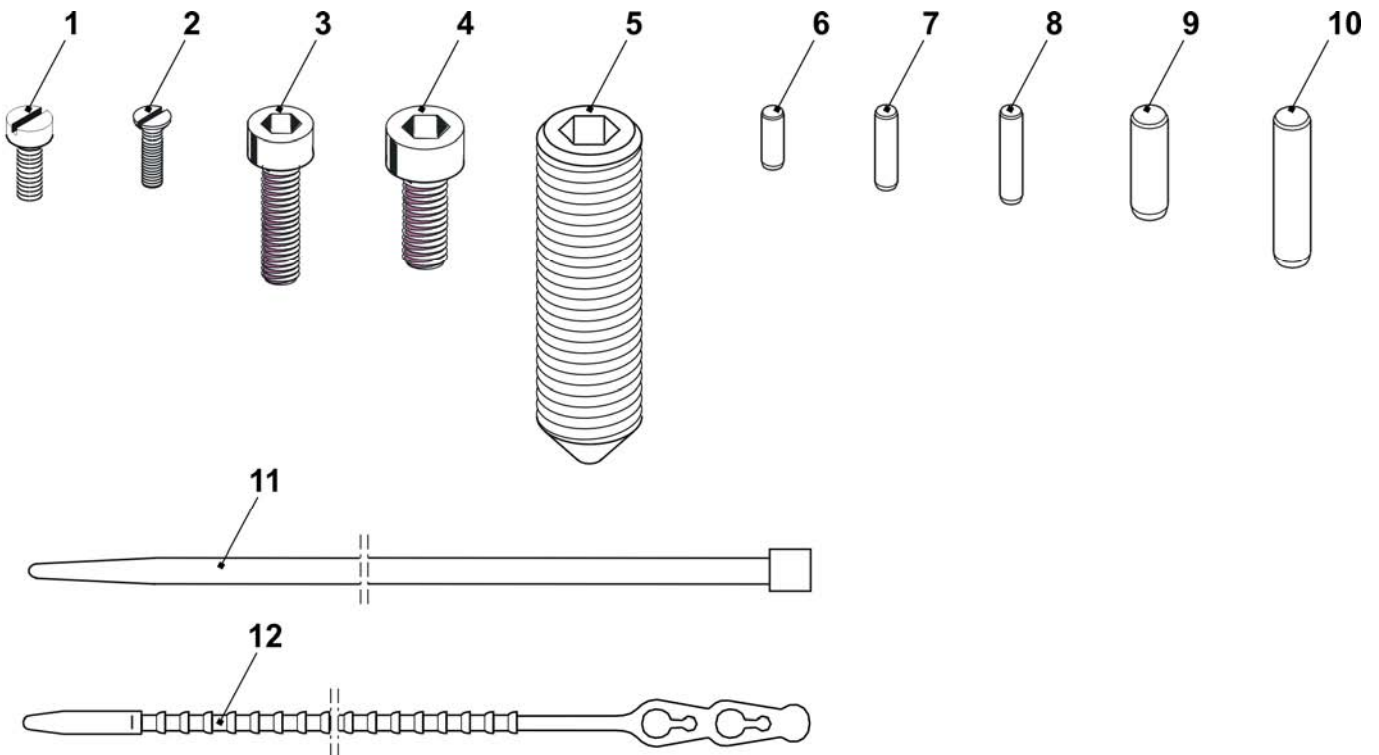
Lubricating stuff

Pos	Designation	ID	Pos	Designation	ID
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	ID	Pos	Designation	ID
1	Cap screw M4x8	020 091	11	Cable binder 203x3.6 mm	025 815
2	Countersunk screw M3x6	020 286		Cable binder T50L	026 294
3	Cap screw M5x16	022 726		Cable binder 140x3.6mm	008 379
4	Cap screw M6x14	022 658		Cable binder 302x4.8 mm	008 642
5	Set screw M16x50	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			

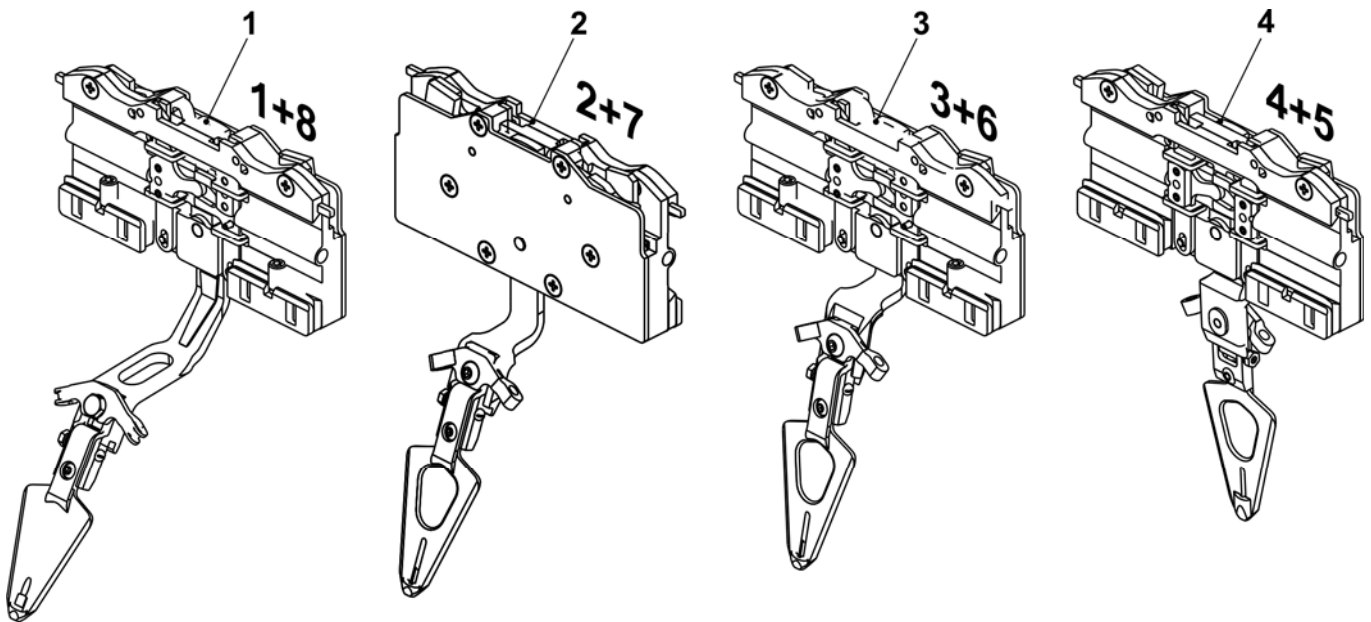


Special equipment

THE RIGHT WAY TO KNIT

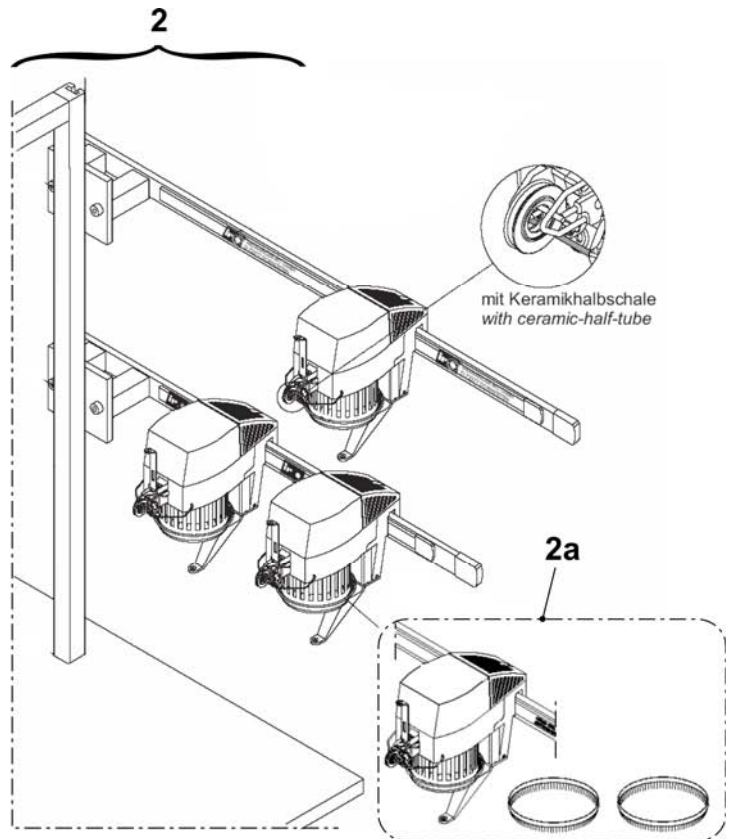
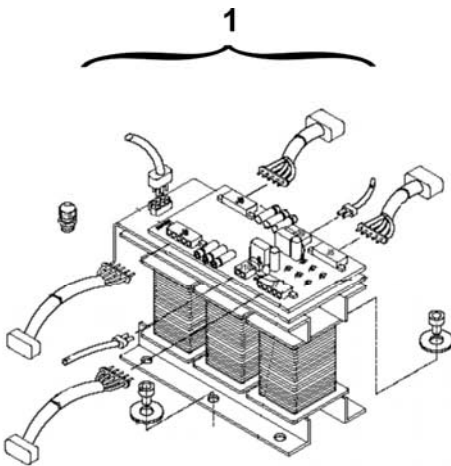
Complete intarsia yarn carriers

Pos	Designation	ID	Pos	Designation	ID
Σ	E5 (E3,5.2 + E7m.5)		Σ	E12+E14 (E6.2(12m.10)+E7.2+E7.2(14/12))	
1	IYC carriage 1 + 8 complete	212 974	1	IYC carriage 1 + 8 complete	214 146
2	IYC carriage 2 + 7 complete	212 977	2	IYC carriage 2 + 7 complete	214 147
3	IYC carriage 3 + 6 complete	212 980	3	IYC carriage 3 + 6 complete	214 148
4	IYC carriage 4 + 5 complete	212 983	4	IYC carriage 4 + 5 complete	214 149
Σ	E7 (E6.2)				
1	IYC carriage 1 + 8 complete	212 975			
2	IYC carriage 2 + 7 complete	212 978			
3	IYC carriage 3 + 6 complete	212 981			
4	IYC carriage 4 + 5 complete	212 984			



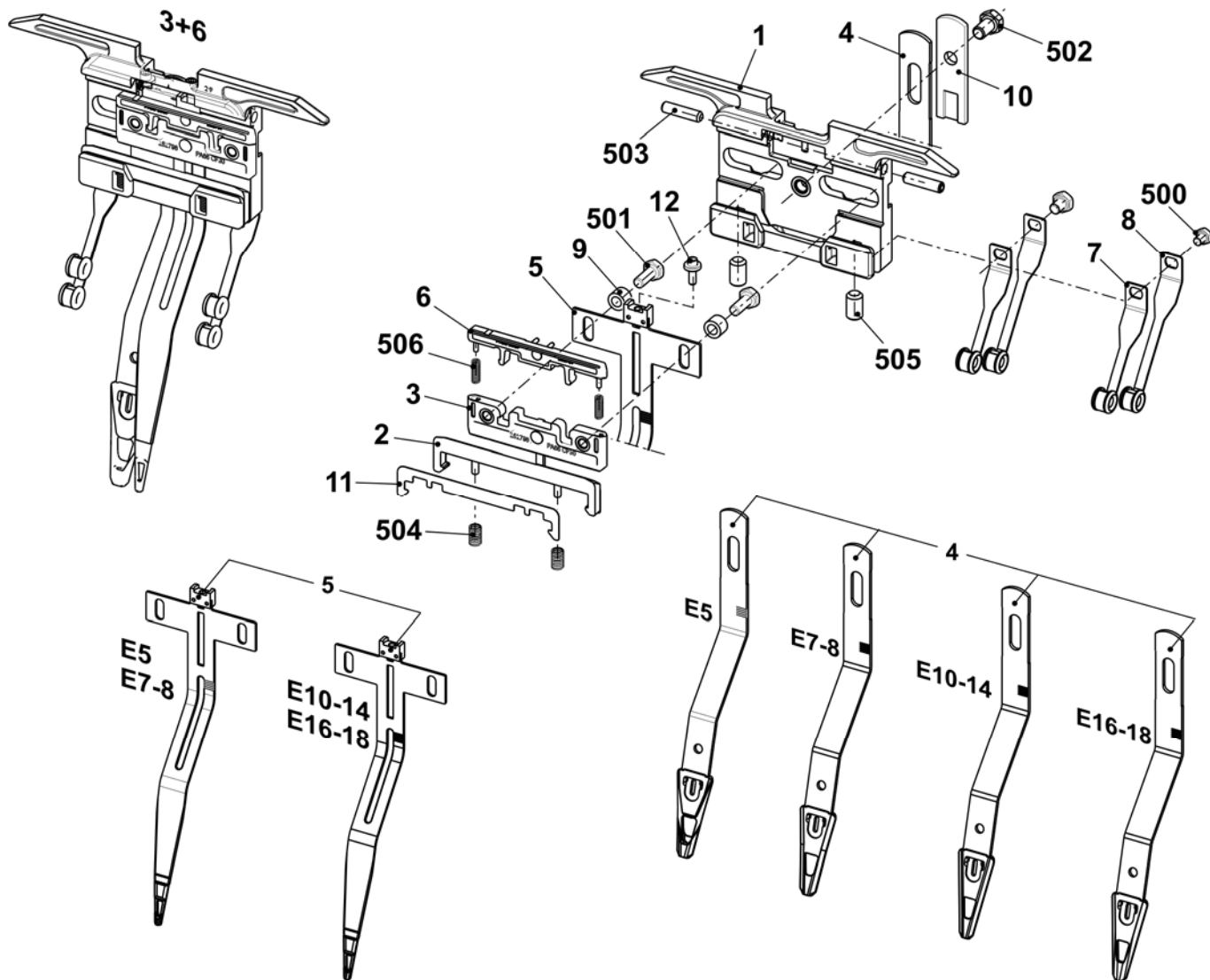
Feed wheel SFE

Pos	Designation	ID	Note
Σ	Mounted set storage feed wheel SFE	253 392	Please order the SFE spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Phone: +49 (0)7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the SFE spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.
1	Transfo with cable	231 979	
2	Mounted set SFE without transformer	253 393	
2a	Feed wheel SFE	231 537	



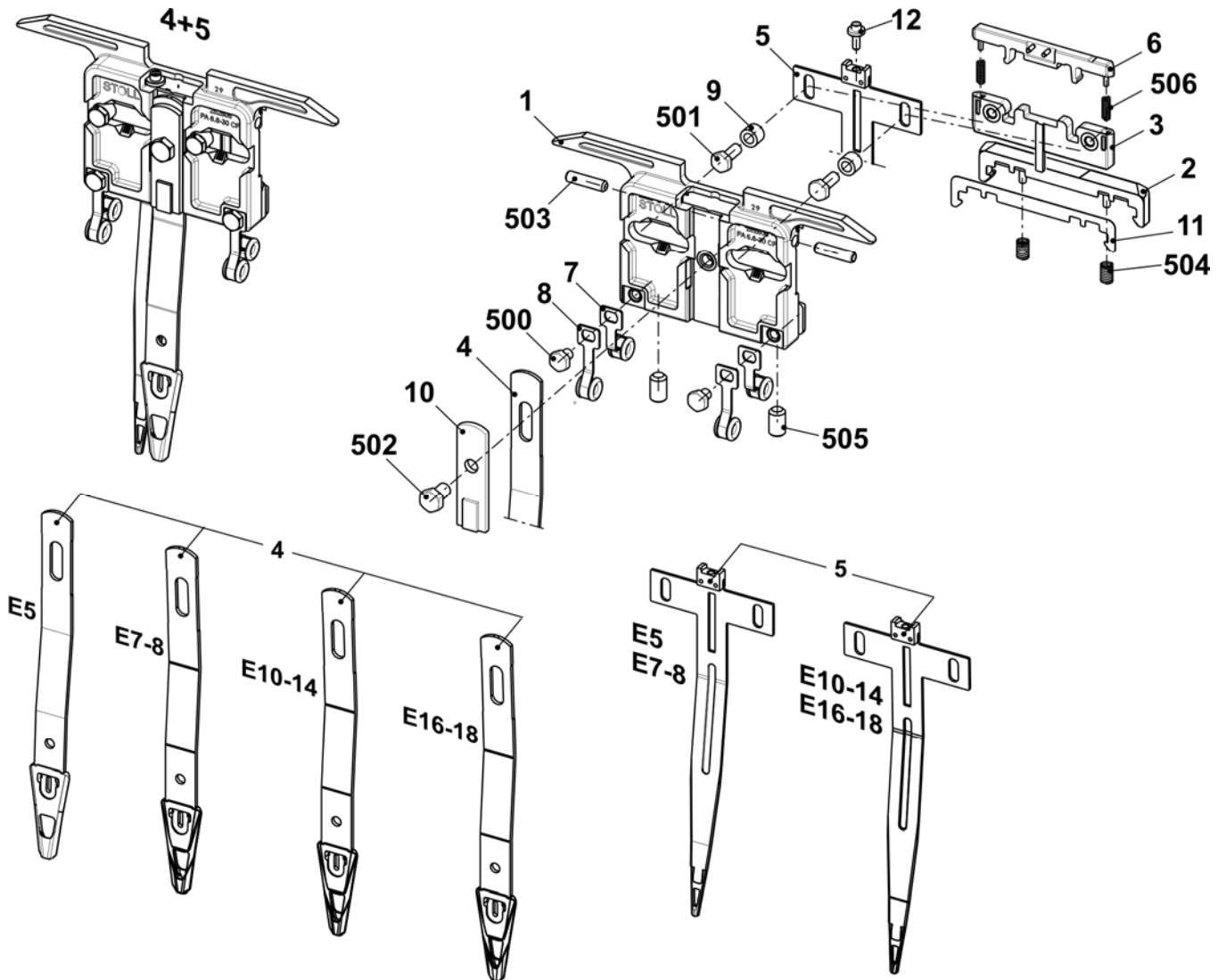
Plating yarn carrier 3+6

Pos	Designation	ID	Pos	Designation	ID
Σ	Plating yarn carrier carriage 3+6 co.		7	Eyelet holder complete	252 825
	E5 (E3,5.2+E7m.5)	252 782	8	Eyelet holder complete	252 824
	E7 (E6.2)	252 784	9	Spacer	252 796
	E10-14 (E6.2(12m.10)+E7.2+E7.2(14/12))	252 786	10	Shim	213 035
1	Plating yarn carrier carriage	252 806	11	Shim	216 143
2	Sliding part	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screw M4x5	243 779
4	Plating yarn carrier bow 3+6		501	Hexagon screw M4x10	020 346
	E5 (E3,5.2+E7m.5)	252 820	502	Hexagon screw	252 832
	E7 (E6.2)	252 821	503	Grub screw M4x16	254 196
	E10-14 (E6.2(12m.10)+E7.2+E7.2(14/12))	252 822	504	Compression spring	021 399
5	Plating yarn carrier bow 3+6 E5-8	252 800	505	Threaded bolt	213 399
	Plating yarn carrier bow 3+6 E10-18	252 808	506	Compression spring	253 058
6	Sliding part	252 797			



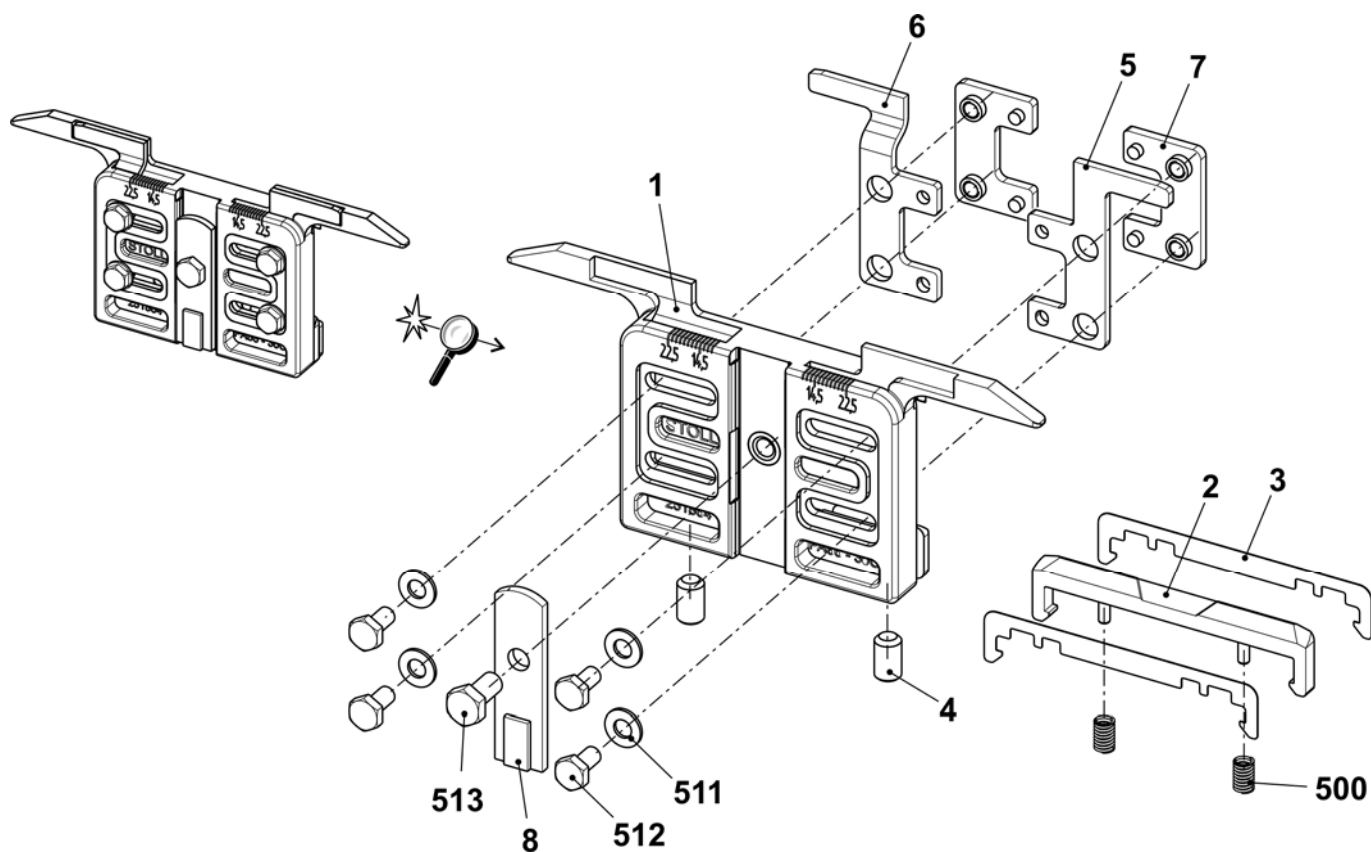
Plating yarn carrier 4+5

Pos	Designation	ID	Pos	Designation	ID
Σ	Plating yarn carrier carriage 4+5 co.		7	Eyelet holder complete	252 815
	E5 (E3,5.2+E7m.5)	252 781	8	Eyelet holder complete	252 816
	E7 (E6.2)	252 783	9	Spacer	252 796
	E10-14 (E6.2(12m.10)+E7.2+E7.2(14/12))	252 785	10	Shim	213 035
1	Plating yarn carrier carriage	252 806	11	Shim	216 143
2	Sliding part	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screw M4x5	243 779
4	Plating yarn carrier bow 4+5		501	Hexagon screw M4x10	020 346
	E5 (E3,5.2+E7m.5)	252 790	502	Hexagon screw	252 832
	E7 (E6.2)	252 791	503	Grub screw M4x16	254 196
	E10-14 (E6.2(12m.10)+E7.2+E7.2(14/12))	252 792	504	Compression spring	021 399
5	Plating yarn carrier bow 4+5 E5-8	252 799	505	Threaded bolt	213 399
	Plating yarn carrier bow 4+5 E10-18	252 807	506	Compression spring	253 058
6	Sliding part	252 797			



Carriage of plating yarn carrier (adjustable)

Pos	Designation	ID	Pos	Designation	ID
Σ	Plating yarn carrier carriage co.	251 867			
1	Carriage of yarn carrier	251 864	7	Guiding part	253 226
2	Sliding part	212 583	8	Shim	213 035
3	Shim	216 143	500	Compression spring	021 399
4	Threaded bolt	213 399	511	U-washer 4	022 481
5	Insert on the right	251 866	512	Hexagon screw M4x8	022 461
6	Insert on the left	251 865	513	Hexagon screw M5x10	020 351



Bobbin holder on the right

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

