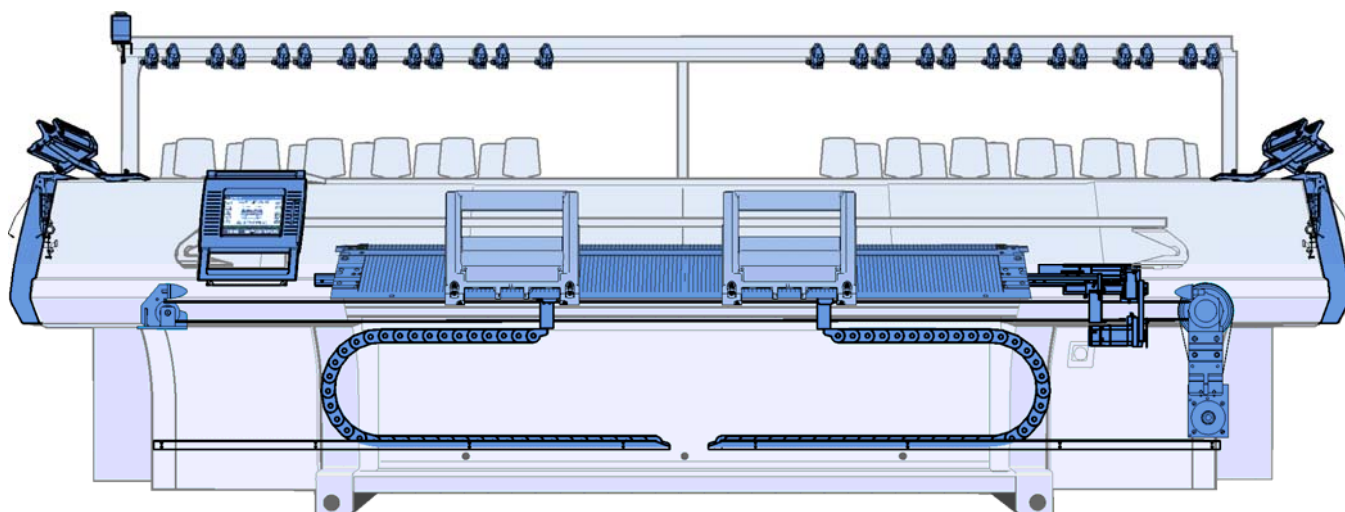


Spare Parts Catalog

CMS 933 (Type 769)

Component Type 003



Document-no. 243855_06_GB

Issue 11/2008

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

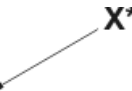
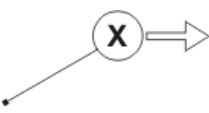
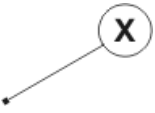
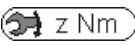
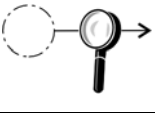
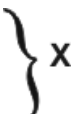
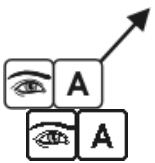
Page no.	Designation	Ident no.	Piece no.	Comment

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

Preferential row of screw torques

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

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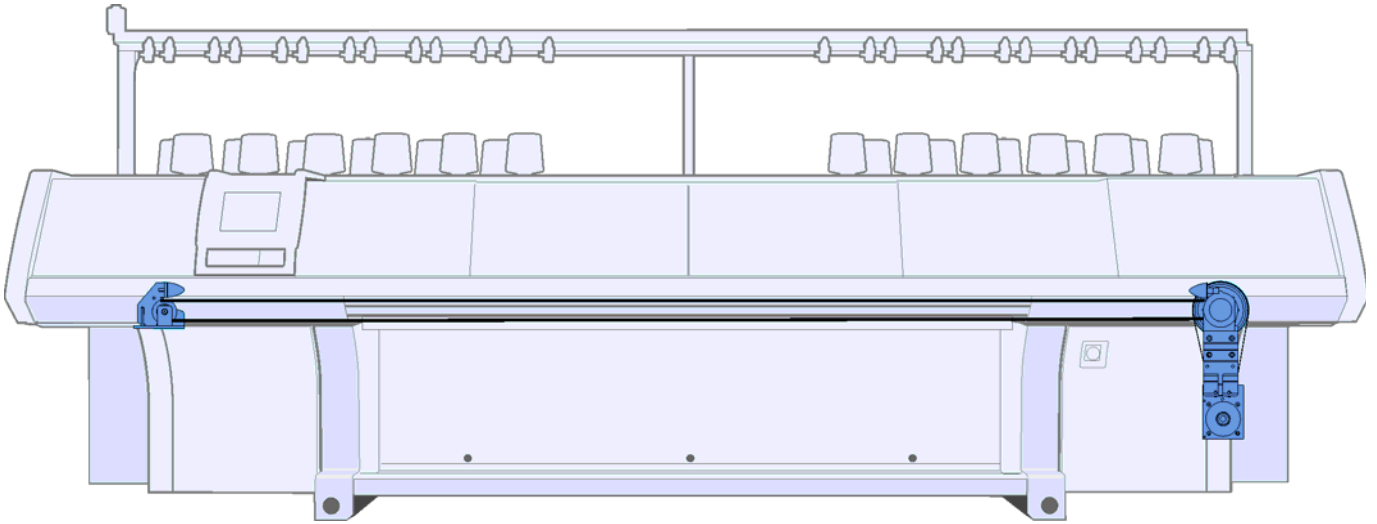
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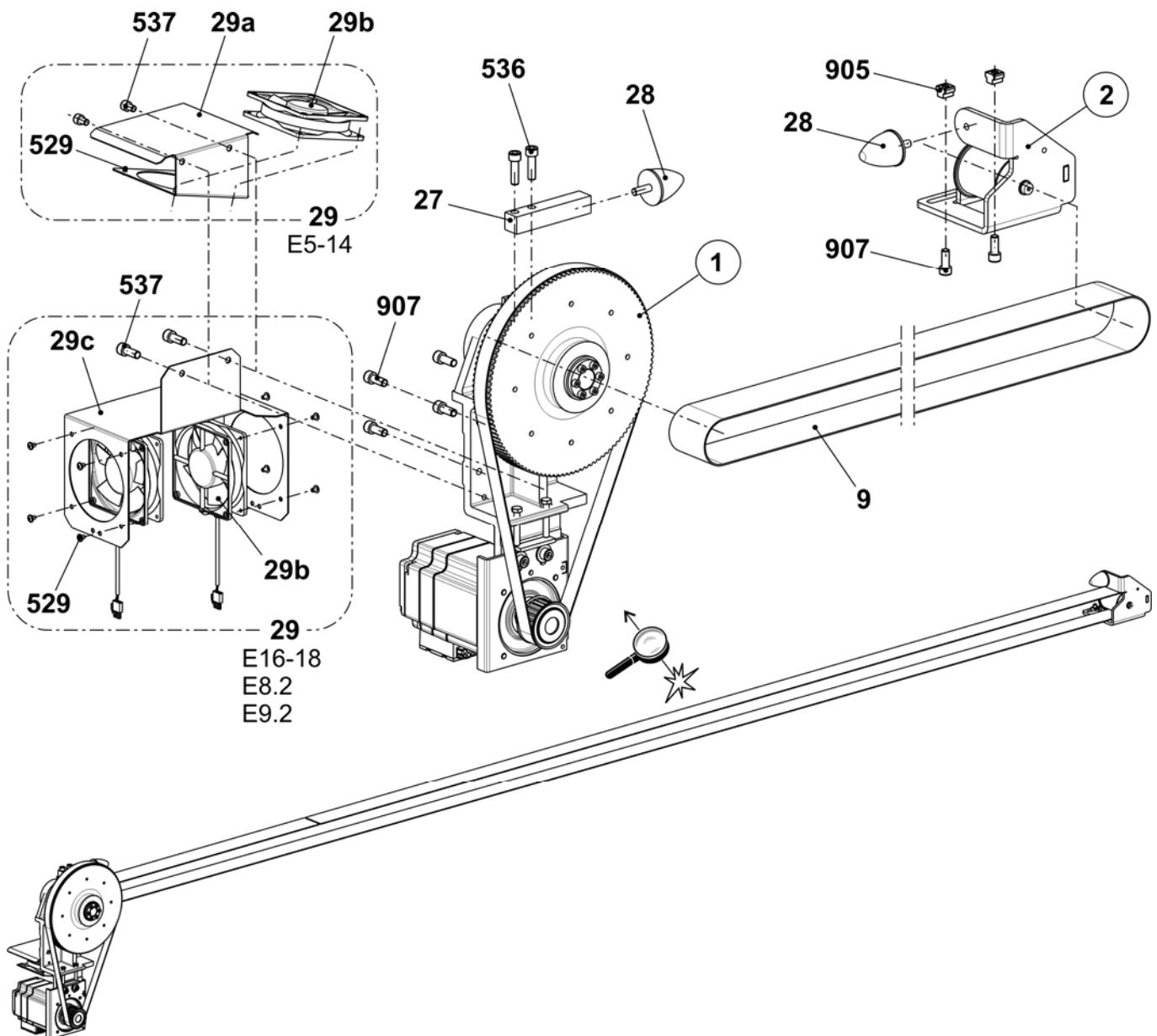
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Carriage drive



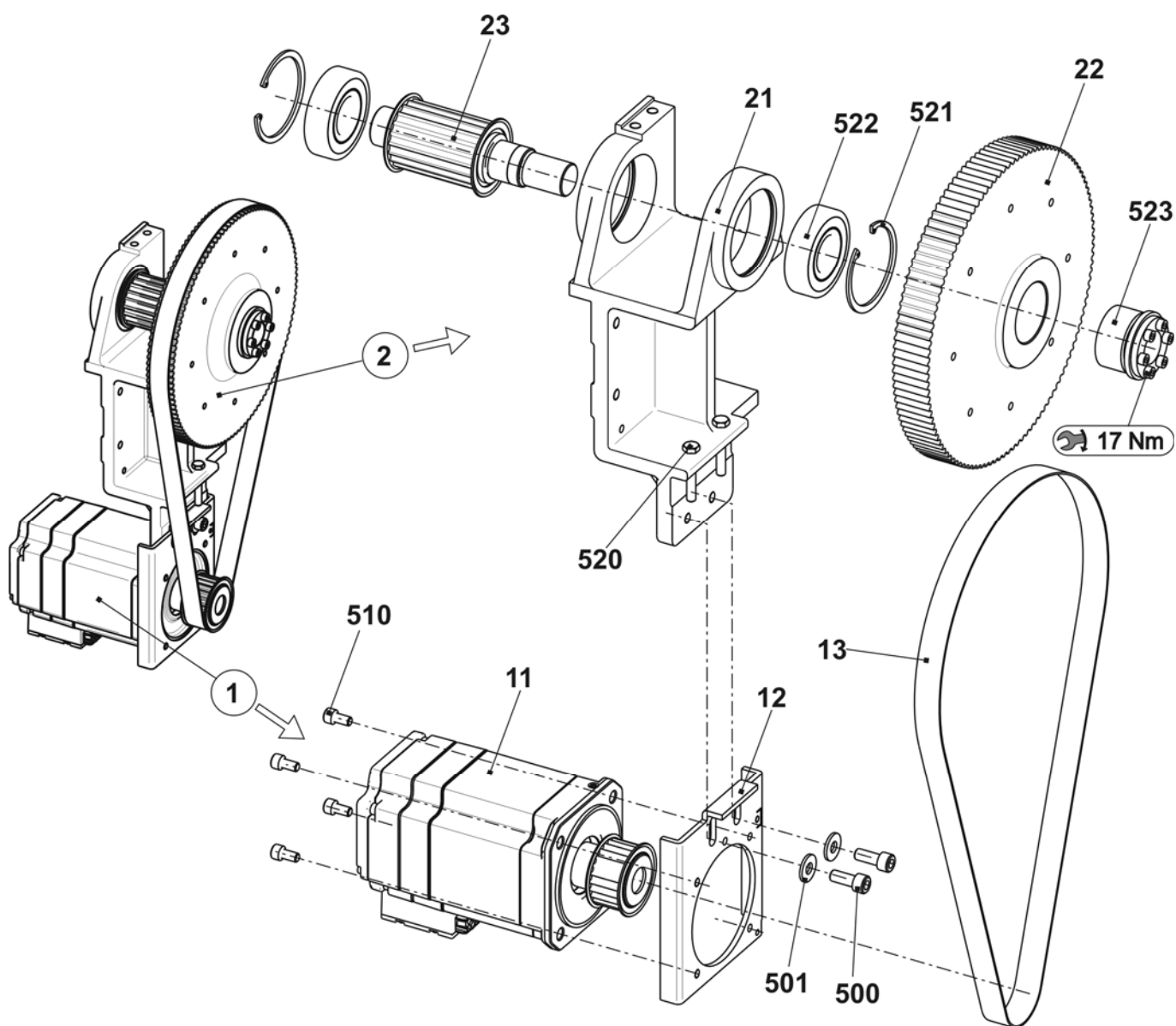
Drive

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive		29	Ventilator co.	242 413
1	Drive unit co.	242 380		Ventilator co. (E16 + E18 + E8.2 + E9.2)	245 167
2	Tension bearing co.	253 614	29a	Ventilator plate drive motor	241 823
9	Toothed belt 75AT10/8830	253 886	29b	Ventilator co. 512	213 722
27	Support buffer	242 748	29c	Ventilator plate drive motor	245 037
28	Parabolic spring	200 661	529	Screw 5x8 Order-No: 1462 0638-01	
536	Cap screw M10x35	020 159	905	Slide nut M10X12	023 471
537	Cap screw M8X12	023 138	907	Cap screw M10x25	020 157



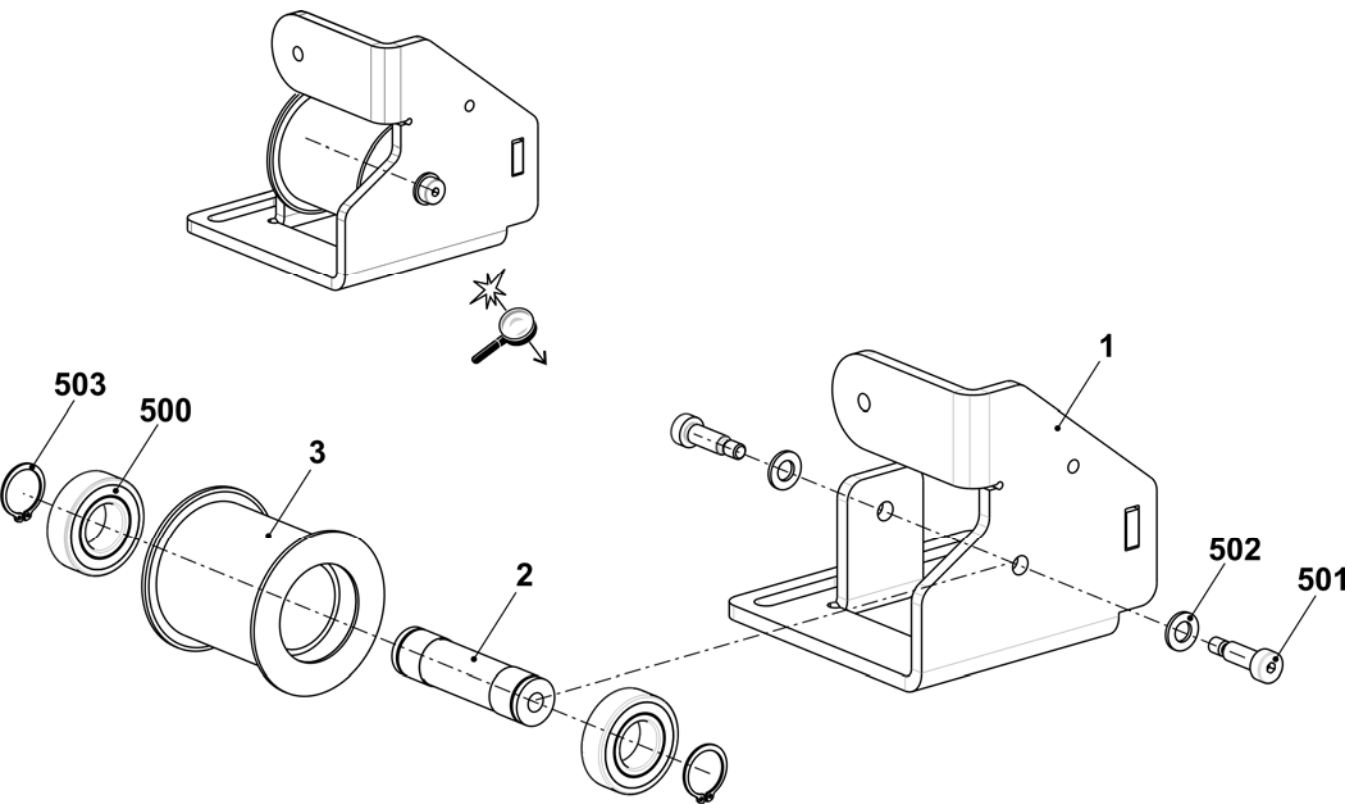
Drive unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive unit co.	242 380	2	Drive bearing	242 378
1	Drive unit	242 379	21	Housing drive bearing	242 344
11	Three phase servo motor drive co.	242 377	22	Timing belt pulley 115 S8M 250	240 639
12	Motor plate	227 662	23	Pinion AT10 Z=20	216 587
13	Toothed belt 250 HP-S8M 1312	240 646	520	Hexagon screw M8x50	020 364
510	Cap screw M8x16	023 629	521	Locking ring 80x2.5	023 461
500	Cap screw M10x25	020 157	522	Ball bearing 6307-2RS	023 462
501	Disc 10.5x25x2.5	022 178	523	Tension set 30X55	023 208



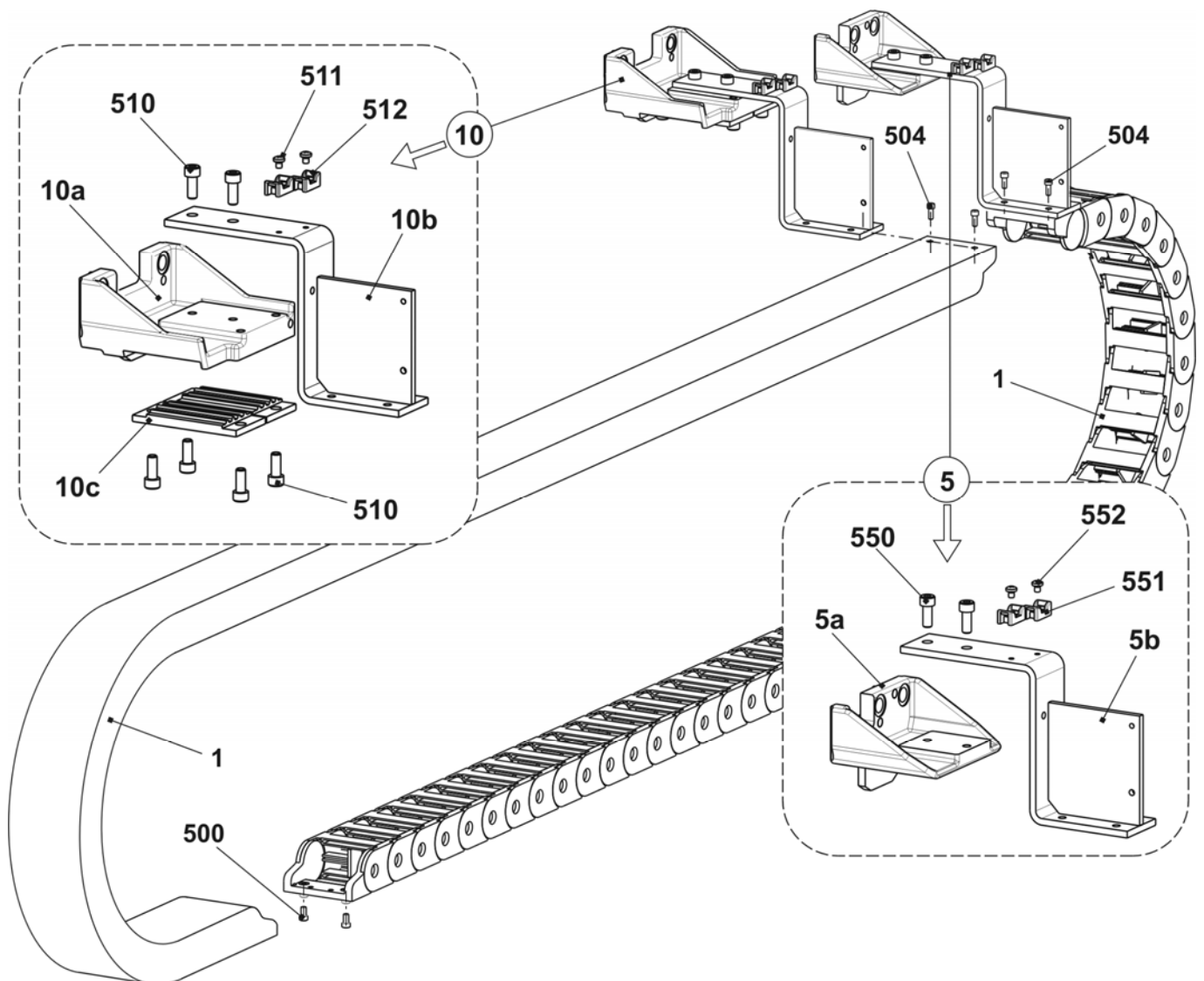
Tension bearing

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension bearing co.	253 614	500	Ball bearing 6205-2RS	023 559
1	Tension bearing	253 611	501	Cap screw M10x25	023 751
2	Axle	253 613	502	U-washer 10	020 874
3	Tension roller	253 612	503	Locking ring 25x1.2	251 617

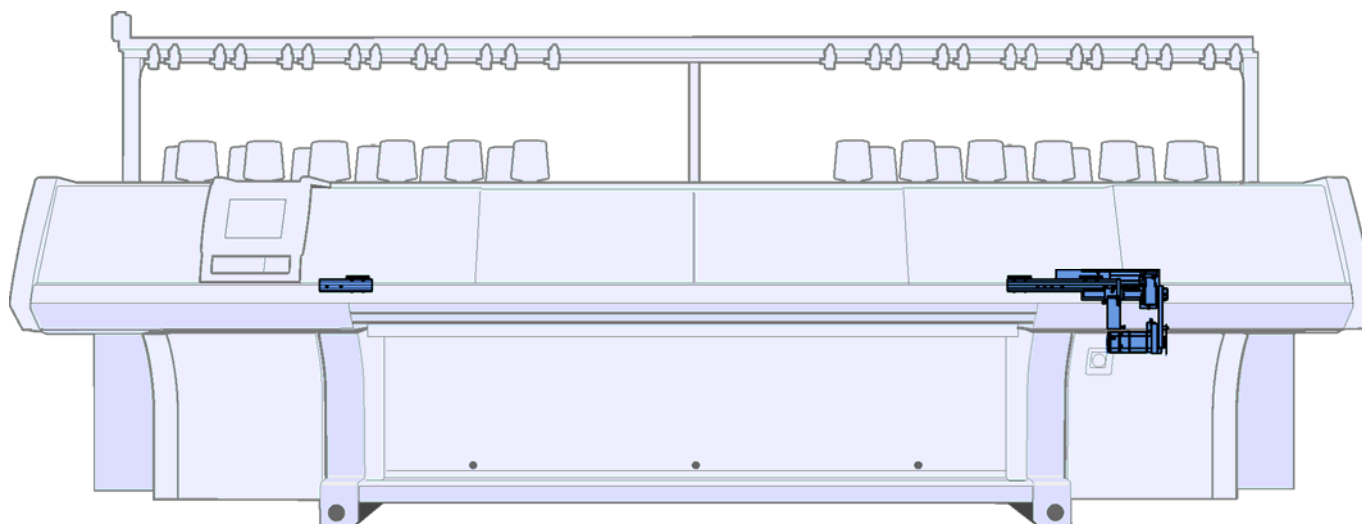


Energy chain and carriage driver

Pos	Designation		ID	Pos	Designation		ID
1	Energy chain 45 links		220 389	10	Carriage driver co.		242 743
500	Cap screw M6x8		023 411		10a	Carriage driver	242 738
5	Stop point co.		242 774		10b	Cable driver	242 730
	5a	Stop point	242 753		10c	Clamping plate	232 493
	5b	Cable driver	242 730		510	Cap screw M8X20	020 141
	550	Cap screw M8X20	020 141		511	Countersunk screw M5x6	023 284
	551	Fixing element	026 489		512	Fixing element	026 489
	552	Countersunk screw M5x6	023 284		504	Cap screw M6x12	

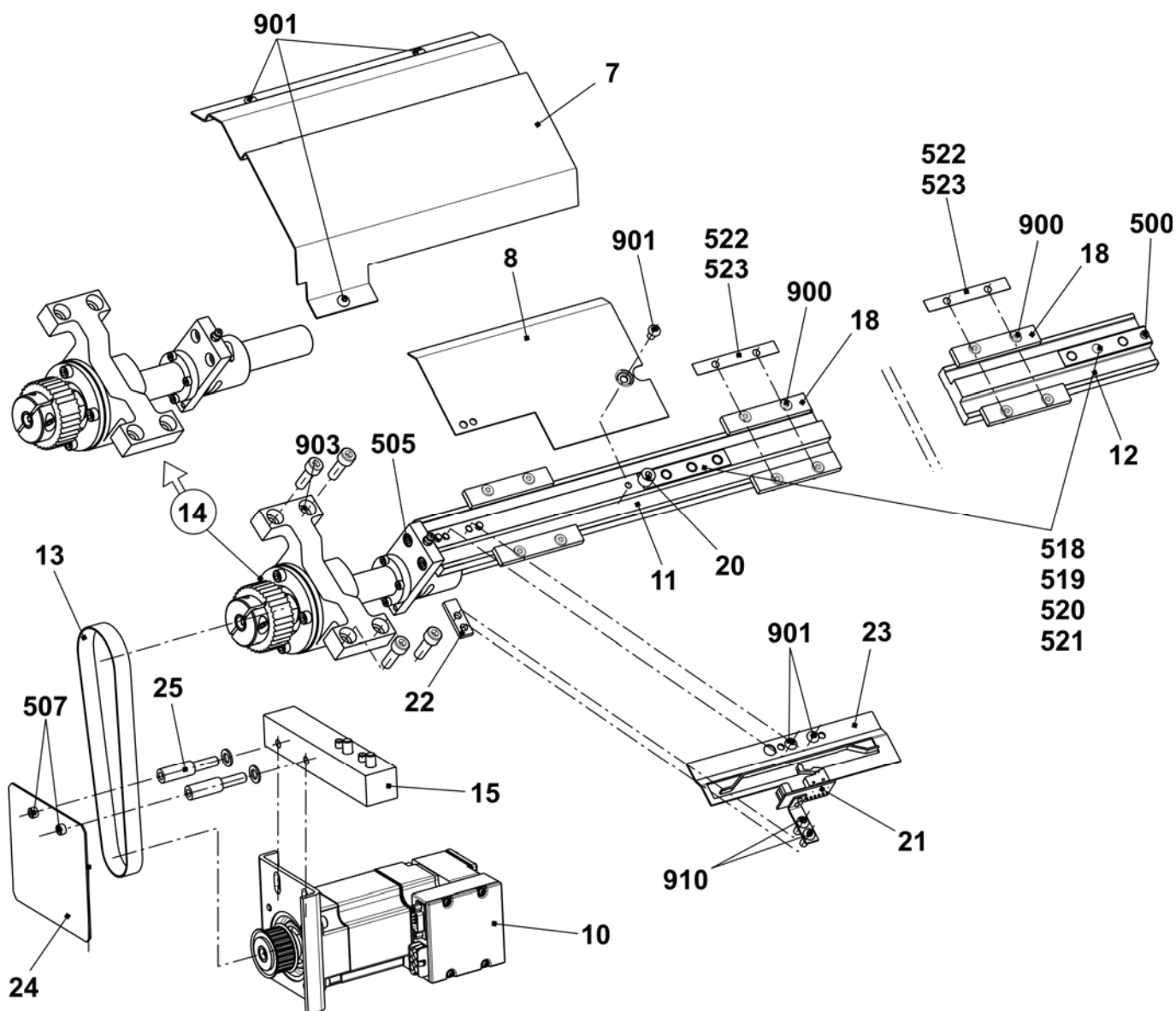


Racking

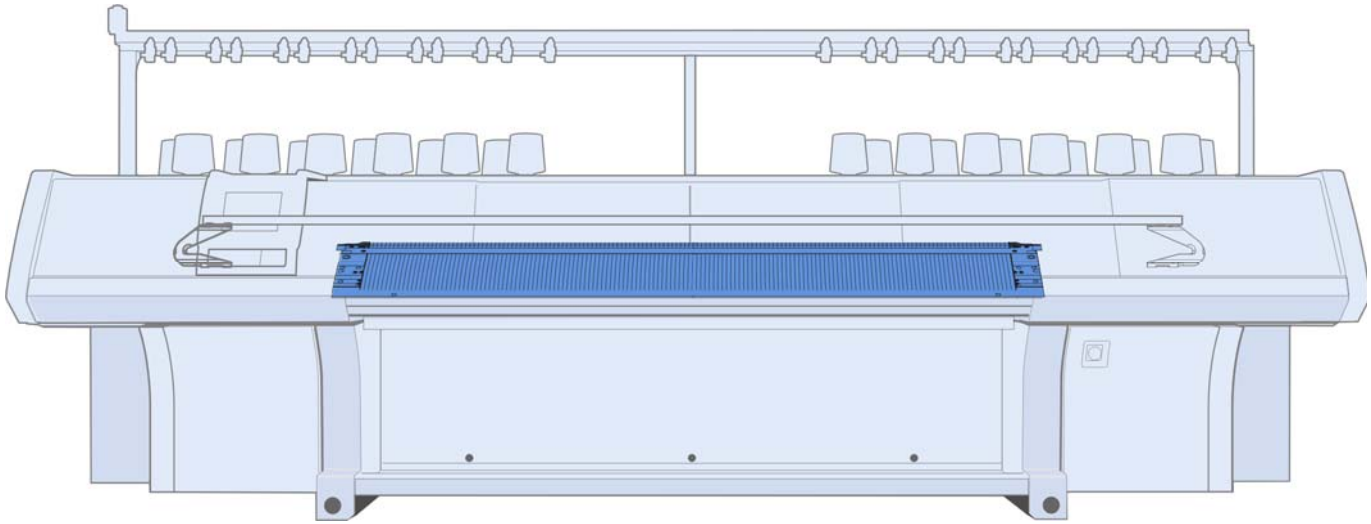


Racking drive

Pos	Designation	ID	Pos	Designation	ID
Σ	Racking		25	Distance bolt	232 543
7	Racking cover plate	242 314	500	Cap screw M4x4	022 767
8	Racking cover plate movable	242 312	505	Cap screw M6x16	023 116
10	Three phase servo motor racking co.	241 454	507	Cap screw M5x12	020 132
11	Racking strip	242 311	518	Shim 0.03x15x85	023 162
12	Racking strip on the left	211 022	519	Shim 0.05x15x85	023 163
13	Toothed belt 150 S 5M 490	229 281	520	Shim 0.1x15x85	023 164
14	Spindle bearing	253 262	521	Shim 0.2x15x85	023 170
15	Bearing	227 604	522	Shim 0.03x11x80	023 286
18	Guide strip	206 382	523	Shim 0.05x11x80	023 287
20	Stop screw	218 783	530	Countersunk screw M6x10	023 183
21	Card racking limit switch	229 396	900	Cap screw M6x12	022 795
22	Shim	229 715	901	Countersunk screw M6x10	023 183
23	Switching metal plate	240 722	903	Cap screw M8x25	020 142
24	Cover plate	232 544	910	Countersunk screw M6x16	023 124

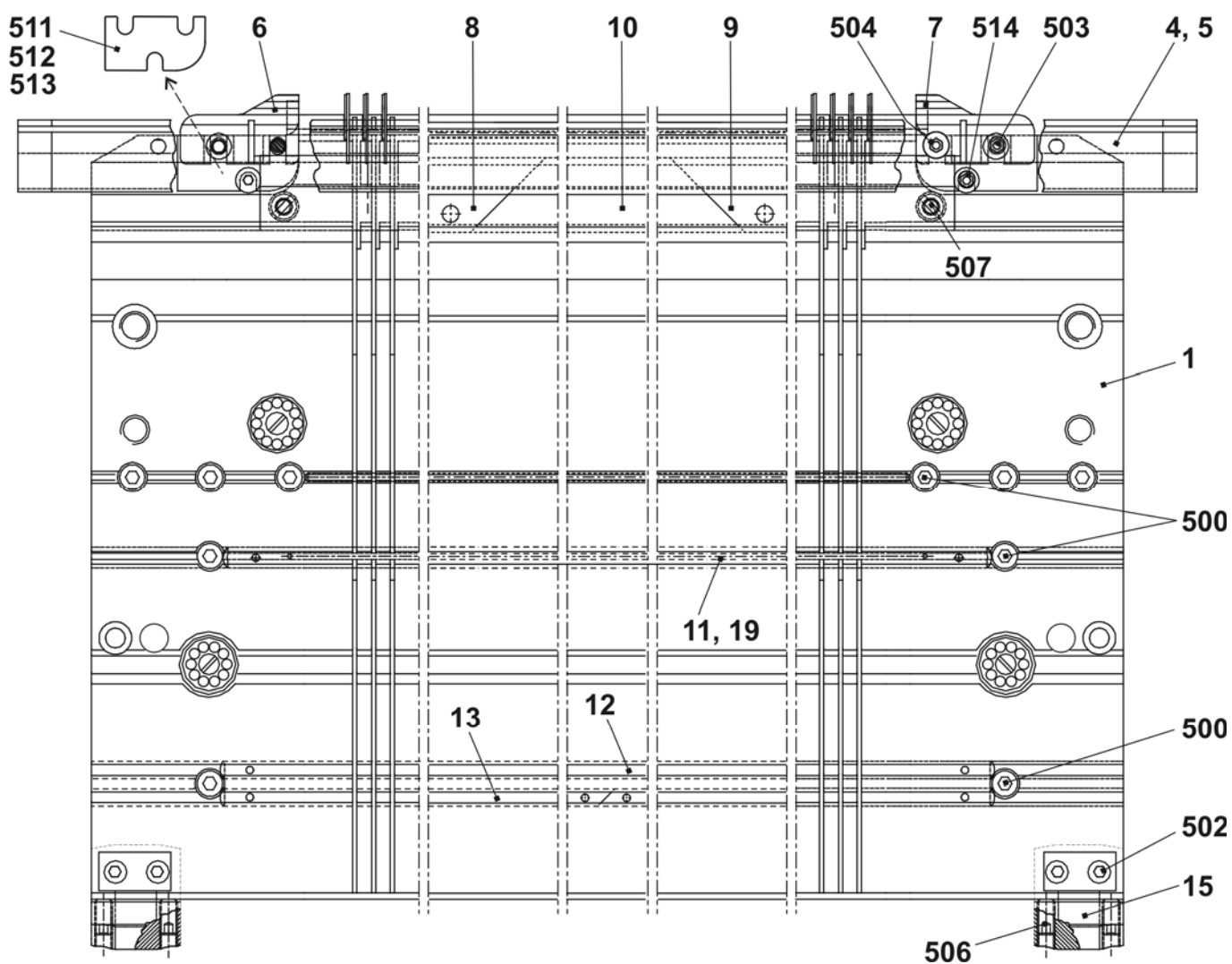


Needle beds



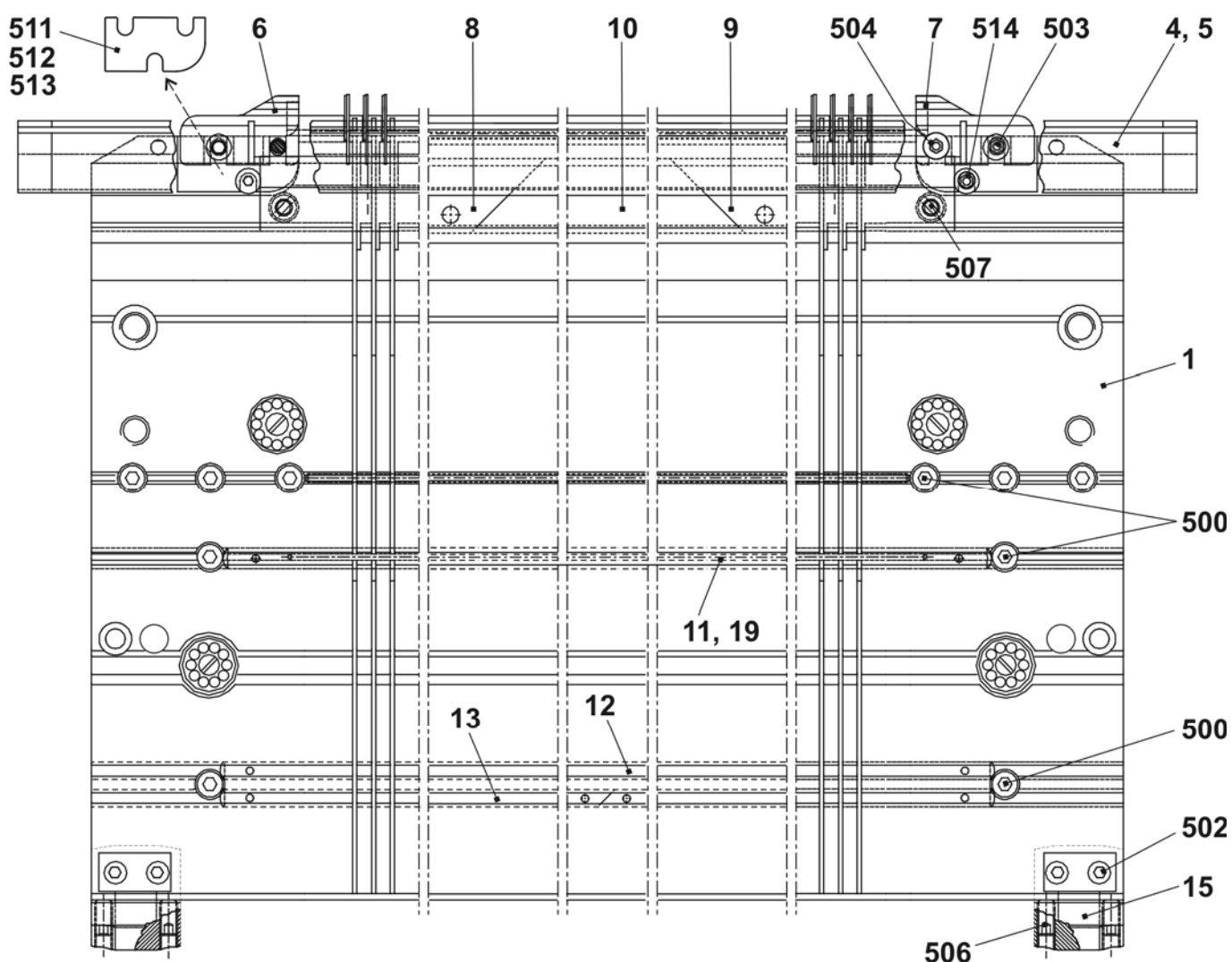
Needle bed E5

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E5	210 427	15	Support	206 352
1	Needle bed at the front + rear E5	210 991	19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E5	211 038	500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E5	211 045	502	Cap screw M6x25	020 137
6	Limiters on the left E4-E8	205 343	503	Cap screw M5x8-8.8	023 154
7	Limiters on the right E4-E8	205 344	504	Cap screw M5x22	023 193
8	Needle rail	205 311	506	Set screw M6x12-45	022 400
9	Needle rail on the right	205 312	507	Sprung thrust piece B-M10	023 177
10	Needle rail	210 977	511	Shim 0.05x18.5x34	023 196
11	Cover rail at the front E5	210 982	512	Shim 0.1x18.5x34	023 197
12	Cover rail	210 978	513	Shim 0.2x18.5x34	023 253
13	Cover rail	210 980	514	Cap screw M5x8	023 379



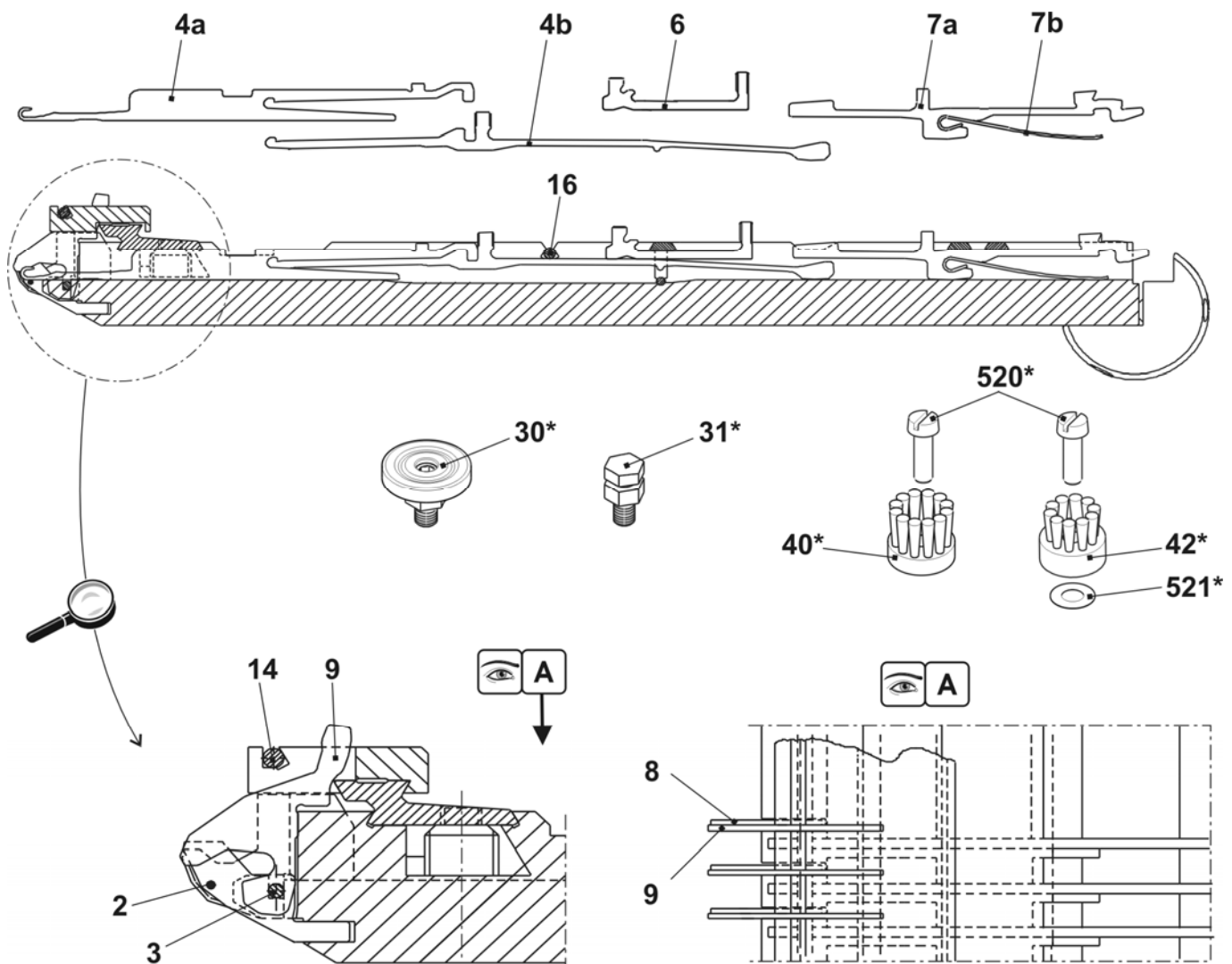
Needle bed E7

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E7	210 428	15	Support	206 352
1	Needle bed at the front + rear E7	210 992	19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E7	211 039	500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E7	211 046	502	Cap screw M6x25	020 137
6	Limiter on the left E4-E8	205 343	503	Cap screw M5x8-8.8	023 154
7	Limiter on the right E4-E8	205 344	504	Cap screw M5x22	023 193
8	Needle rail	205 311	506	Set screw M6x12-45	022 400
9	Needle rail on the right	205 312	507	Sprung thrust piece B-M10	023 177
10	Needle rail	210 977	511	Shim 0.05x18.5x34	023 196
11	Cover rail at the front E7	210 983	512	Shim 0.1x18.5x34	023 197
12	Cover rail	210 978	513	Shim 0.2x18.5x34	023 253
13	Cover rail	210 980	514	Cap screw M5x8	023 379



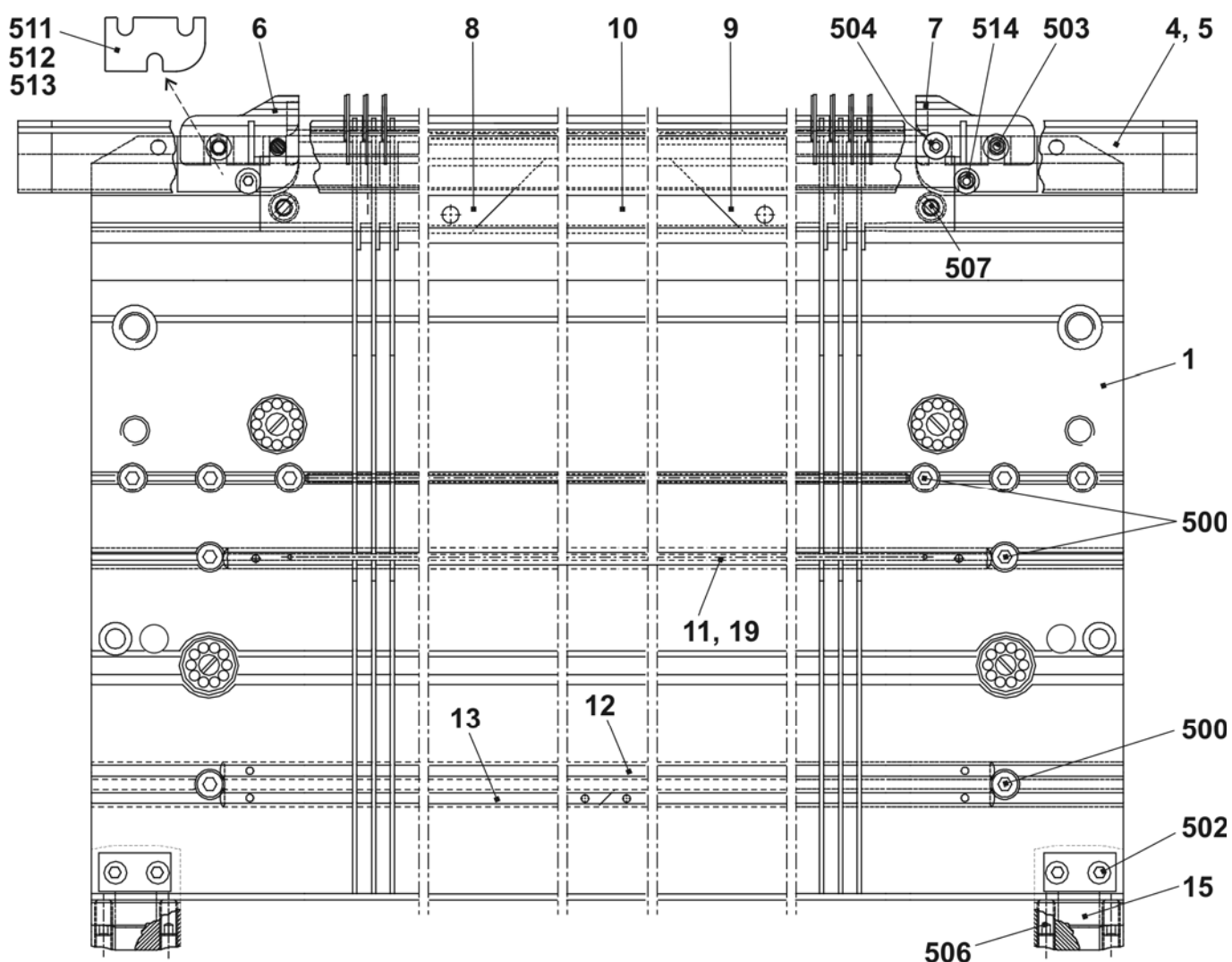
Continuation needle bed E7

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E7	210 428	9	Holding-down jack E7	205 032
2	Spring steel wire Ø0,8	210 970	14	Fixed wire Ø2.8	210 974
3	Spring steel wire Ø2.0	210 972	16	Spring steel wire Ø2.8	212 173
4a	Needle E7 with round hook	205 397	30*	Adjusting piece	206 375
4b	Coupling part E4-E8	200 682	31*	Set screw co.	207 712
6	Intermediate slider with brake E5-E8	237 323	40*	Disk brush	235 612
7a	Selection jack E4-E8	200 687	42*	Disk brush	202 600
7b	Selector spring E4-E8	200 690	520*	Cap screw M5x12	020 032
8	Knock-over bit E7	207 055	521*	Adjusting washer P6x12x03	023 540



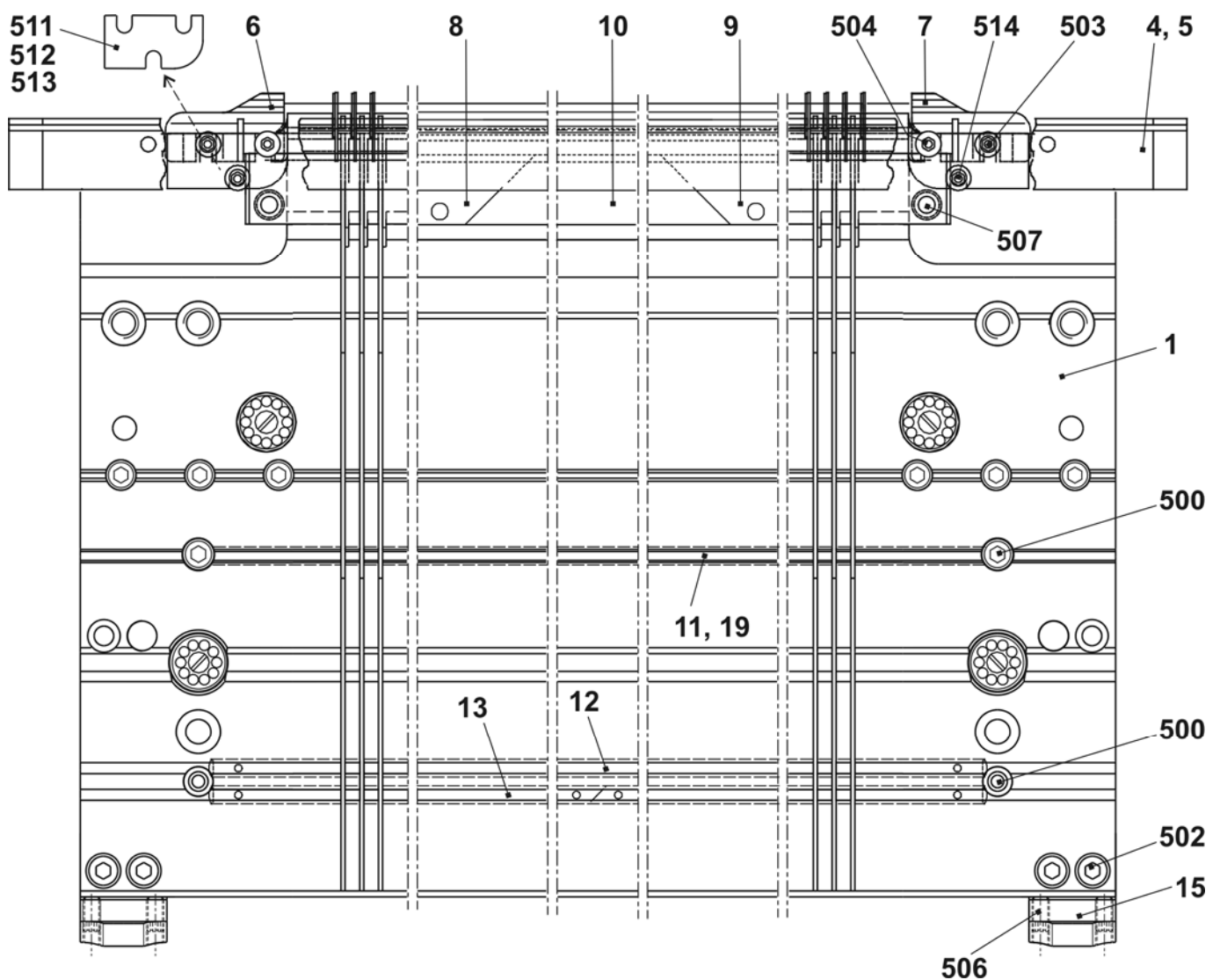
Needle bed E8

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E8	210 429	15	Support	206 352
1	Needle bed at the front + rear E8	210 993	19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E8	211 040	500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E8	211 047	502	Cap screw M6x25	020 137
6	Limiter on the left E4-E8	205 343	503	Cap screw M5x8-8.8	023 154
7	Limiter on the right E4-E8	205 344	504	Cap screw M5x22	023 193
8	Needle rail	205 311	506	Set screw M6x12-45	022 400
9	Needle rail on the right	205 312	507	Sprung thrust piece B-M10	023 177
10	Needle rail	210 977	511	Shim 0.05x18.5x34	023 196
11	Cover rail at the front E8	210 984	512	Shim 0.1x18.5x34	023 197
12	Cover rail	210 978	513	Shim 0.2x18.5x34	023 253
13	Cover rail	210 980	514	Cap screw M5x8	023 379



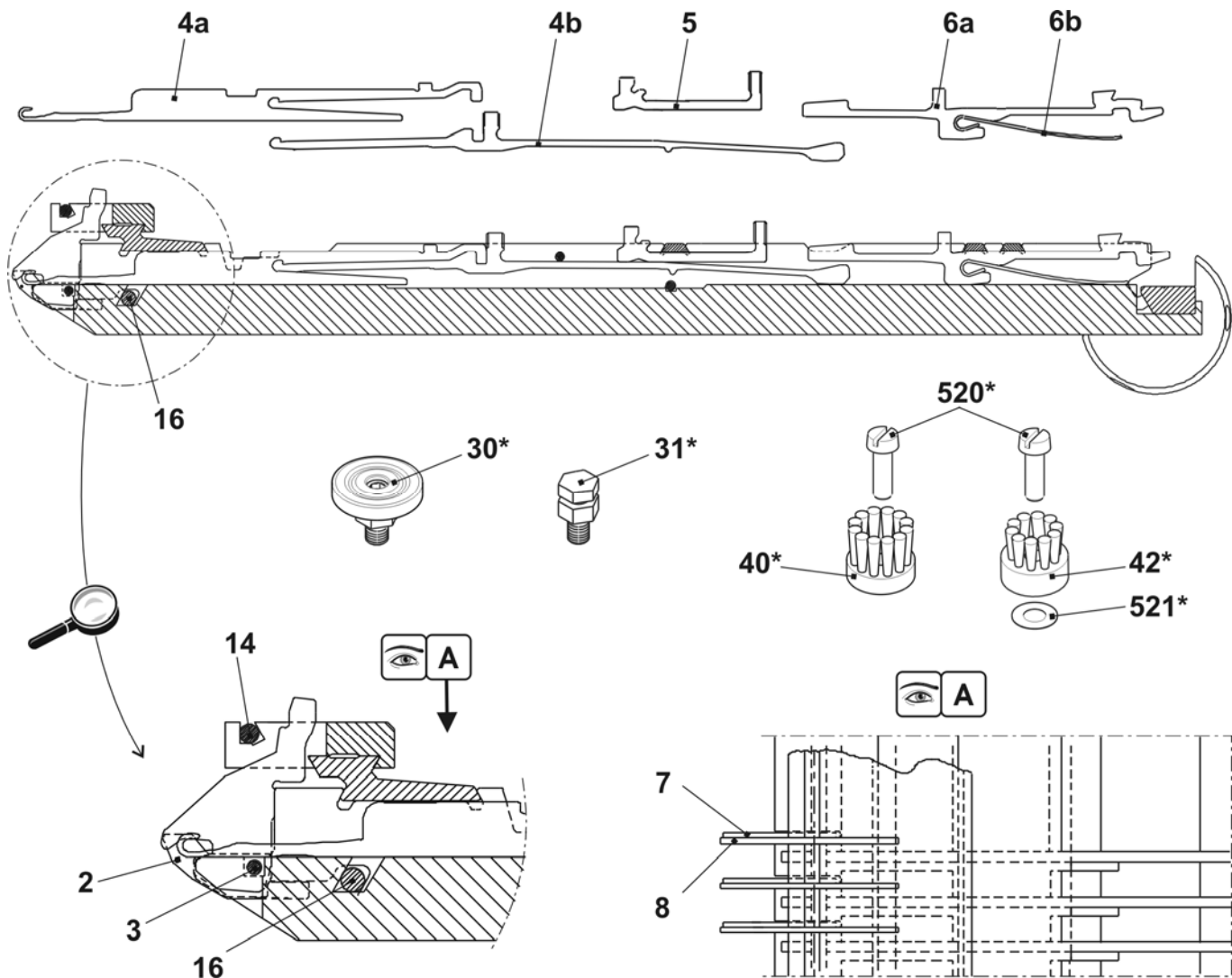
Needle bed E10

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E10	241 661	15	Support	206 352
1	Needle bed at the front + rear E10	241 648	19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E10	211 041	500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E10	211 048	502	Cap screw M6x25	020 137
6	Limiter on the left E10-14	205 764	503	Cap screw M5x8-8.8	023 154
7	Limiter on the right E10-14	205 765	504	Cap screw M5x22	023 193
8	Needle rail on the left	205 311	506	Set screw M6x12-45	022 400
9	Needle rail on the right	205 312	507	Sprung thrust piece B-M10	023 177
10	Needle rail	210 977	511	Shim 0.05x18.5x34	023 196
11	Cover rail at the front E10	210 985	512	Shim 0.1x18.5x34	023 197
12	Cover rail	210 978	513	Shim 0.2x18.5x34	023 253
13	Cover rail	210 980	514	Cap screw M5x8	023 379



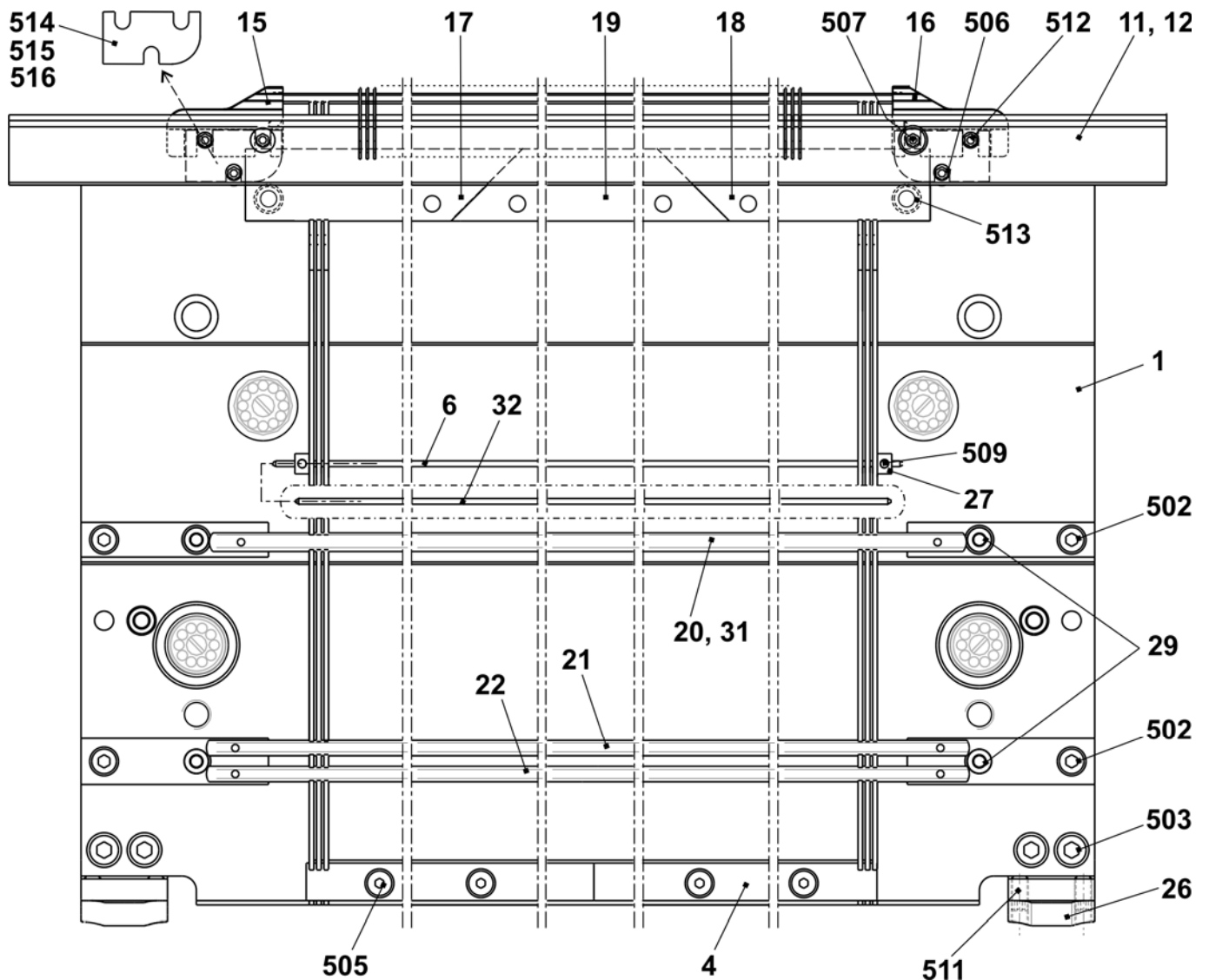
Continuation needle bed E10

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E10	241 661	8	Holding-down jack trick wall E10	239 815
2	Spring steel wire Ø0.6	210 969	14	Fixed wire Ø2.8	210 974
3	Spring steel wire Ø2.0	210 972	16	Spring steel wire Ø2.8	212 173
4a	Needle E10 with round hook	205 398	30*	Adjusting piece	206 375
4b	Coupling part E10-12	200 683	31*	Set screw co.	207 712
5	Intermediate slider with brake E10	237 324	40*	Disk brush	235 612
6a	Selection jack E10-12	200 688	42*	Disk brush	202 600
6b	Selector spring E10-12	200 691	520*	Cap screw M5x12	020 032
7	Knock-over bit E10	239 756	521*	Adjusting washer P6x12x03	023 540



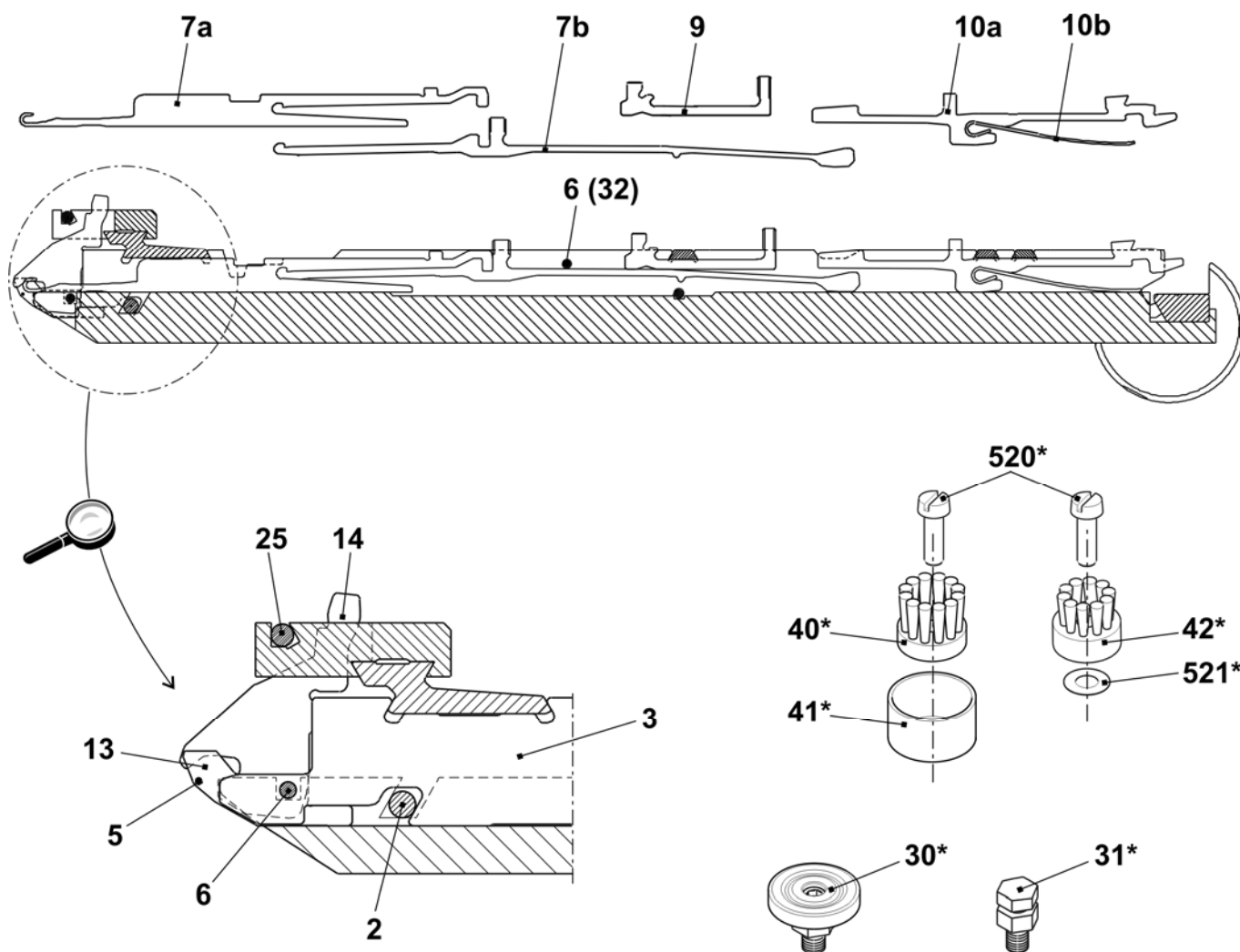
Needle bed E12

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E12	253 743			
1	Needle bed at the front + rear E12	253 741	29	Cap screw 5x12	209 484
4	Pressure bar	211 009	31	Cover rail at the rear	210 979
6	Spring steel wire ø2.0	251 095	32	Spring steel wire ø2.0	210 973
11	Holding-down jack bed at the front E12	211 042	502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E12	211 049	503	Cap screw M6x14	022 658
15	Limiters on the left E10-14	205 764	505	Cap screw M5x8	023 379
16	Limiters on the right E10-14	205 765	506	Cap screw M5x12-8.8	022 943
17	Needle rail on the left	205 311	507	Cap screw M5x22	023 193
18	Needle rail on the right	205 312	509	Set screw ISO 4766-M3.5x3-1	020 512
19	Needle rail	210 977	511	Set screw ISO 4026-M6x12-45	022 400
20	Cover rail at the front E12	210 986	512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978	513	Sprung thrust piece B-M10	023 177
22	Cover rail	210 980	514	Shim 0.05x18.5x34	023 196
26	Support	206 352	515	Shim 0.1x18.5x34	023 197
27	Bush	206 090	516	Shim 0.2x18.5x34	023 253



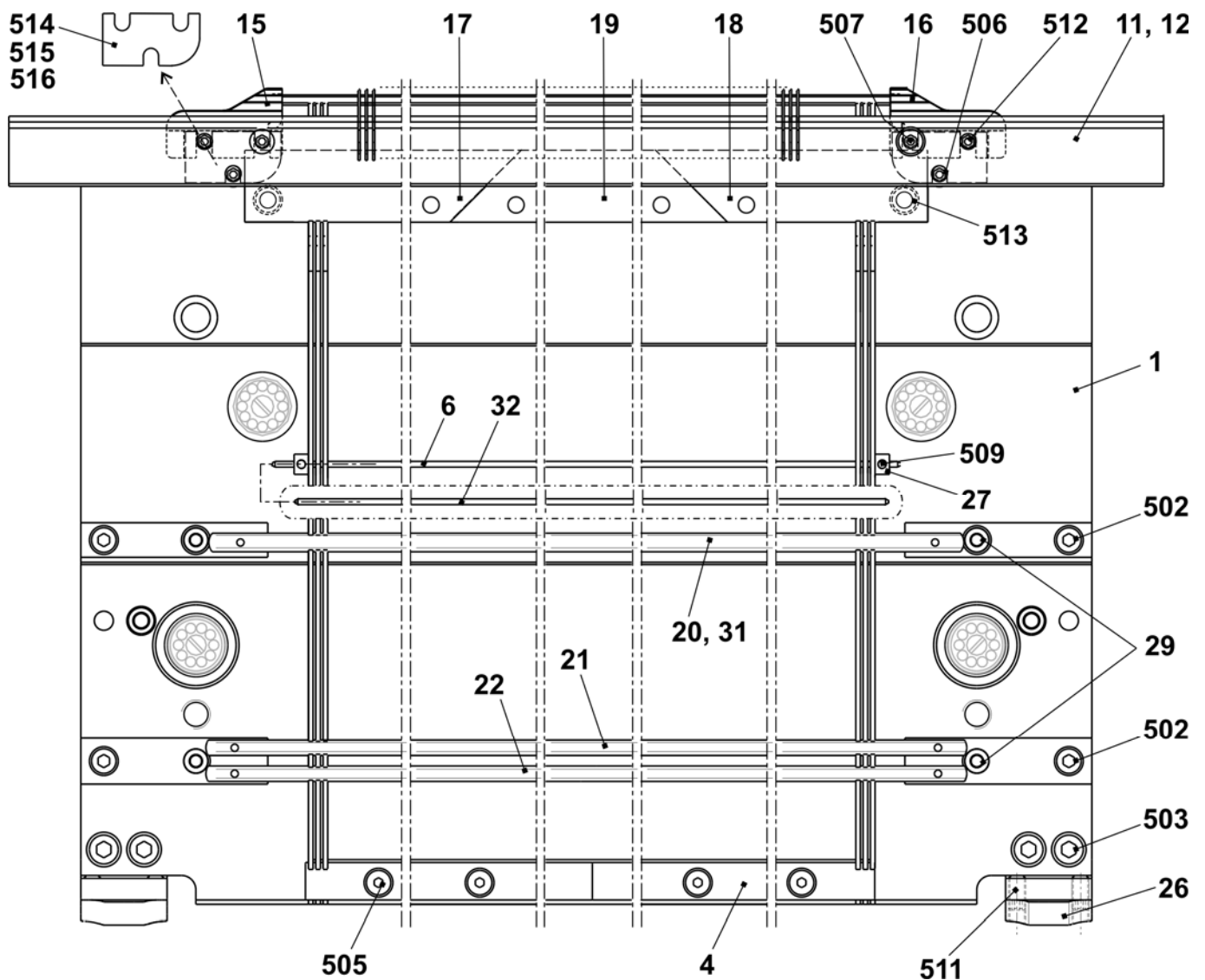
Continuation needle bed E12

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E12	253 743			
2	Fixed wire ø3.4	210 975	14	Holding-down jack trick wall E12	227 821
3	Main trick wall E12	252 628	25	Fixed wire ø2.8	210 974
5	Spring steel wire Ø0.6	210 969	32	Spring steel wire ø2.0	210 973
6	Spring steel wire ø2.0	251 095	30*	Adjusting piece	206 375
7a	Needle E12	204 009	31*	Set screw co.	207 712
7b	Coupling part E10-12	200 683	40*	Disk brush	235 612
9	Intermediate slider with brake E10-12	237 324	41*	Container disk brush	233 012
10a	Selection jack E10-12	200 688	42*	Disk brush	202 600
10b	Selector spring E10-12	200 691	520*	Cap screw M5x12	020 032
13	Knock-over bit E12	205 013	521*	Adjusting washer P6x12x03	023 540



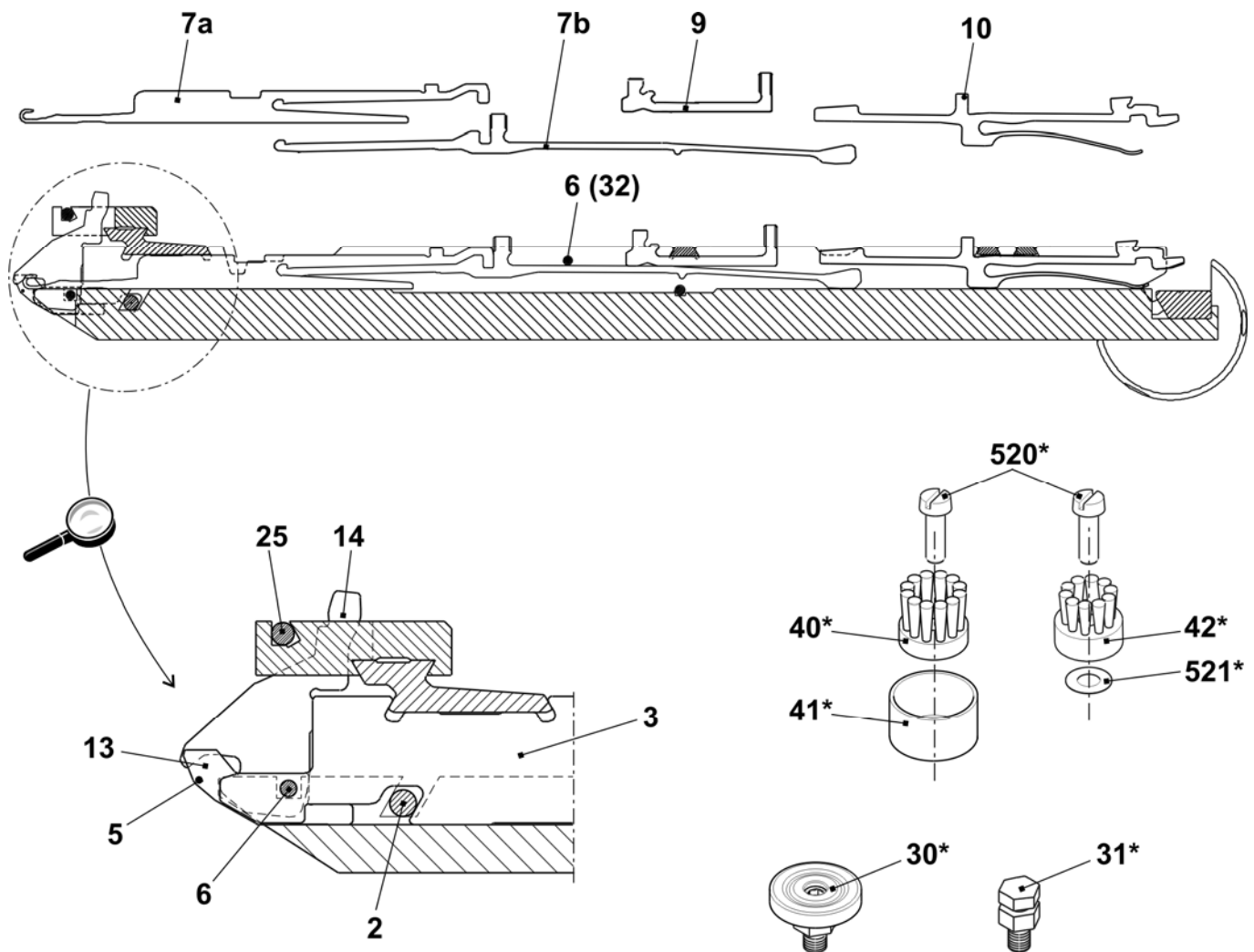
Needle bed E14

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E14	253 744			
1	Needle bed at the front + rear E14	253 742	29	Cap screw 5x12	209 484
4	Pressure bar	211 009	31	Cover rail at the rear	210 979
6	Spring steel wire ø2.0	251 095	32	Spring steel wire ø2.0	210 973
11	Holding-down jack bed at the front E14	211 043	502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E14	211 050	503	Cap screw M6x14	022 658
15	Limiter on the left E10-14	205 764	505	Cap screw M5x8	023 379
16	Limiter on the right E10-14	205 765	506	Cap screw M5x12-8.8	022 943
17	Needle rail on the left	205 311	507	Cap screw M5x22	023 193
18	Needle rail on the right	205 312	509	Set screw M3.5x3-1	020 512
19	Needle rail	210 977	511	Set screw I6x12-45	022 400
20	Cover rail at the front E14	210 987	512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978	513	Sprung thrust piece B-M10	023 177
22	Cover rail	210 980	514	Shim 0.05x18.5x34	023 196
26	Support	206 352	515	Shim 0.1x18.5x34	023 197
27	Bush	206 090	516	Shim 0.2x18.5x34	023 253



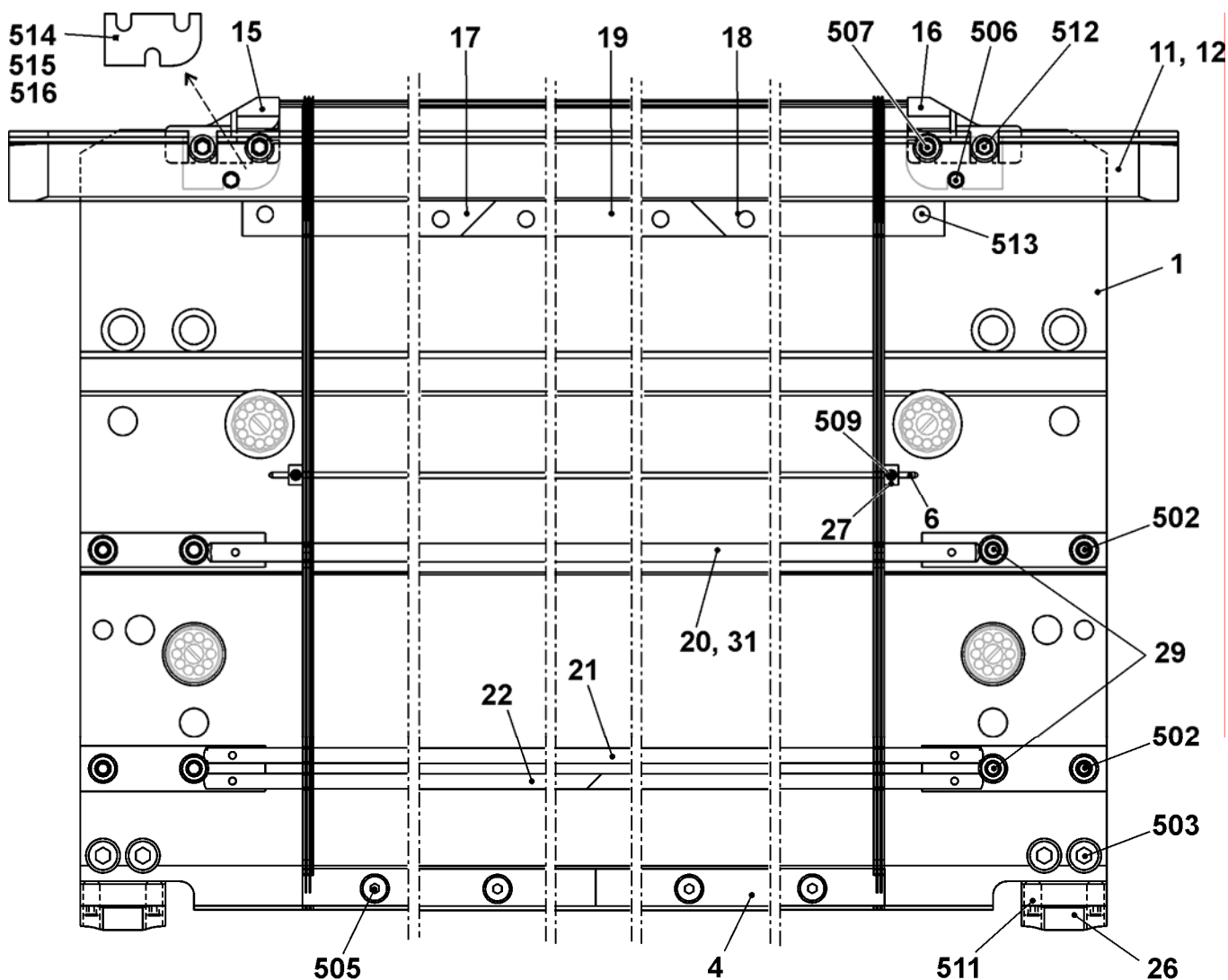
Continuation needle bed E14

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear	253 744			
2	Fixed wire ø3.4	210 975	25	Fixed wire ø2.8	210 974
3	Main trick wall E14	252 629	32	Spring steel wire ø2.0	210 973
5	Spring steel wire Ø0.6	210 969	30*	Adjusting piece	206 375
7a	Needle E12	209 614	31*	Set screw co.	207 712
7b	Coupling part E14	209 633	40*	Disk brush	235 612
9	Intermediate slider with brake E14	237 373	41*	Container disk brush	233 012
10	Selection jack with spring E14	224 725	42*	Disk brush	202 600
13	Knock-over bit E12	209 649	520*	Cap screw M5x12	020 032
14	Holding-down jack trick wall E14	235 262	521*	Adjusting washer P6x12x03	023 540



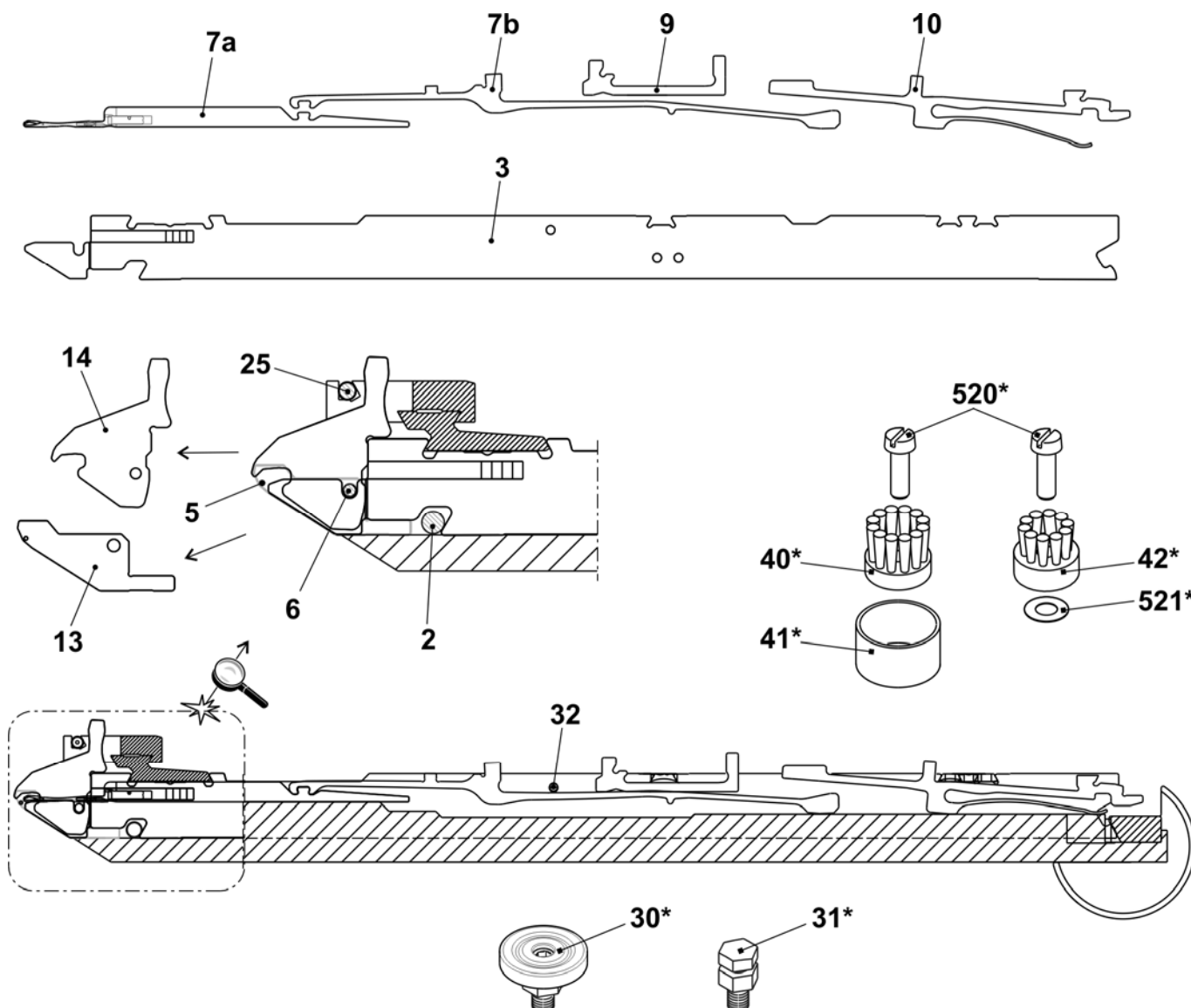
Needle bed E16

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E16	251 123			
1	Needle bed at the front rear E16	251 087	27	Bush	206 090
4	Pressure bar	211 009	29	Cap screw 5x12	209 484
6	Spring steel wire ø2.0	251 095	31	Cover rail at the rear	210 979
11	Holding-down jack bed at the front E16	244 566	502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E16	244 568	503	Cap screw M6x14	022 658
15	Limiter on the left E16-E20	220 821	505	Cap screw M5x8	023 379
16	Limiter on the right E16-E20	220 822	506	Cap screw M5x12	022 943
17	Needle rail on the left	205 311	507	Cap screw M5x22	023 193
18	Needle rail on the right	205 312	509	Set screw M3.5x3	020 512
19	Needle rail	210 977	511	Set screw M6x12	022 400
20	Cover rail at the front E16	244 597	513	Sprung thrust piece B-M10	023 177
21	Cover rail	210 978	514	Shim 0.05x18.5x34	023 196
22	Cover rail	210 980	515	Shim 0.1x18.5x34	023 197
26	Support	206 352	516	Shim 0.2x18.5x34	023 253



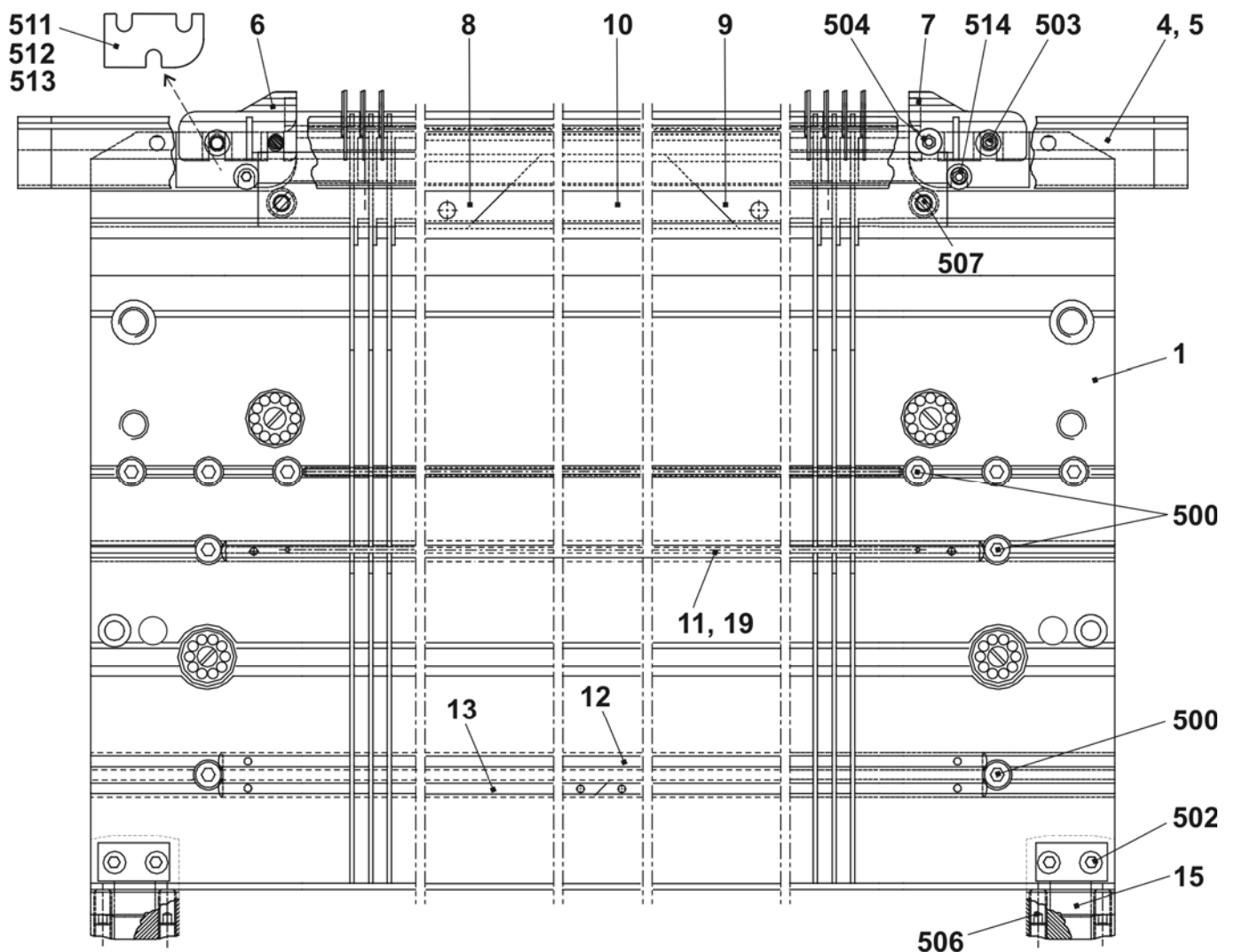
Continuation needle bed E16

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E16	251 123			
2	Fixed wire ø3.4	210 975	25	Fixed wire ø2,8 E16 + E18	244 587
3	Main trick wall E16	245 319	32	Spring steel wire ø2.0	210 973
5	Spring steel wire Ø0.5	244 585	30*	Adjusting piece	206 375
7a	Needle E16	232 243	31*	Set screw co.	207 712
7b	Coupling part E16-20	220 382	40*	Disk brush	235 612
9	Intermediate slider E16	239 271	41*	Container disk brush	233 012
10	Selection jack with spring E16	224 326	42*	Plate brush ø12	202 600
13	Knock-over bit E16	222 503	520*	Cap screw M5x12	020 032
14	Holding-down jack E16	222 504	521*	Adjusting washer P6x12x0.3	023 540



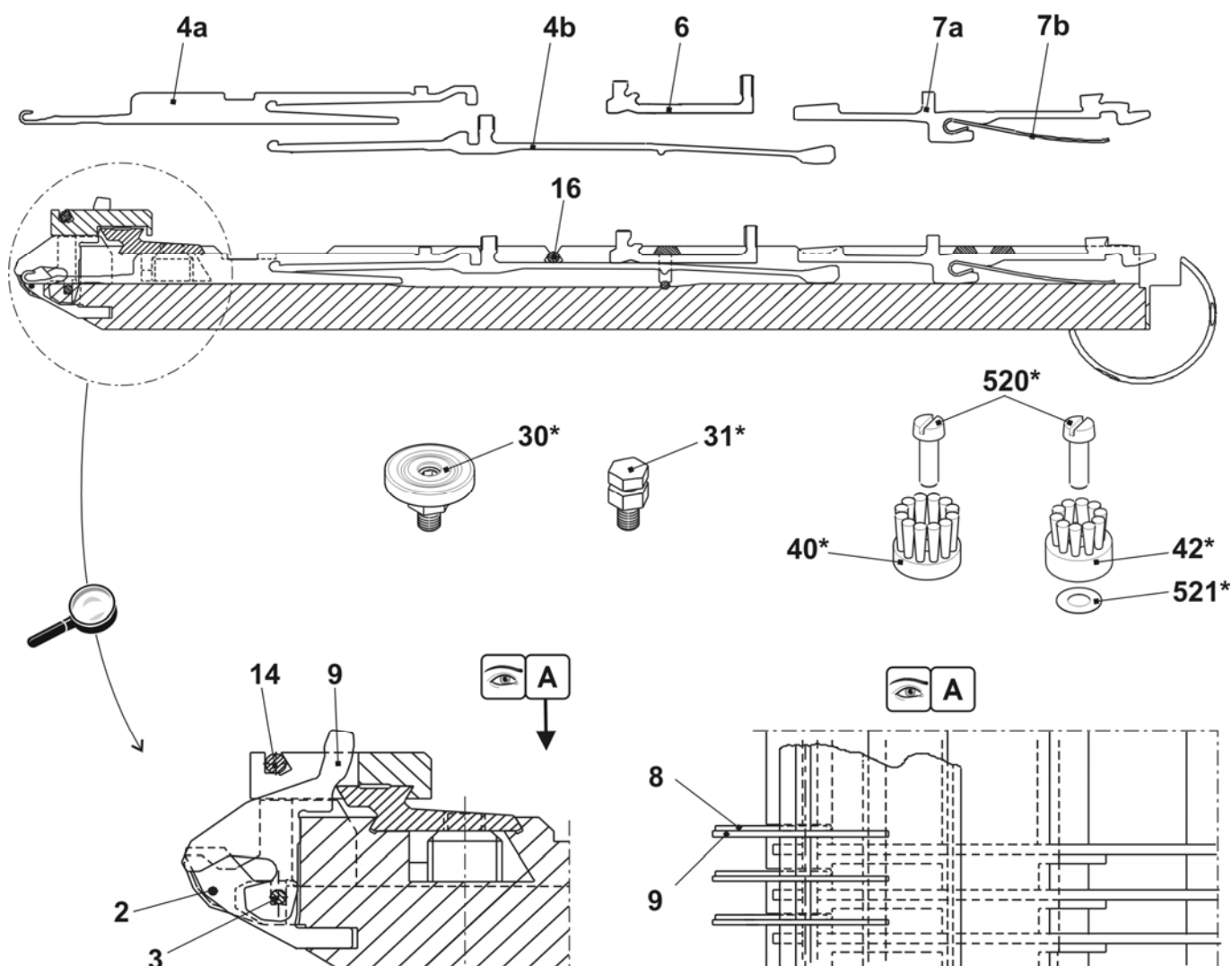
Needle bed E5m.4

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E5m.4	211 968	15	Support	206 352
1	Needle bed at the front + rear E5	210 991	19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E5	211 038	500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E5	211 045	502	Cap screw M6x25	020 137
6	Limiter on the left E4-E8	205 343	503	Cap screw M5x8-8.8	023 154
7	Limiter on the right E4-E8	205 344	504	Cap screw M5x22	023 193
8	Needle rail	205 311	506	Set screw M6x12-45	022 400
9	Needle rail on the right	205 312	507	Sprung thrust piece B-M10	023 177
10	Needle rail	210 977	511	Shim 0.05x18.5x34	023 196
11	Cover rail at the front E5	210 982	512	Shim 0.1x18.5x34	023 197
12	Cover rail	210 978	513	Shim 0.2x18.5x34	023 253
13	Cover rail	210 980	514	Cap screw M5x8	023 379



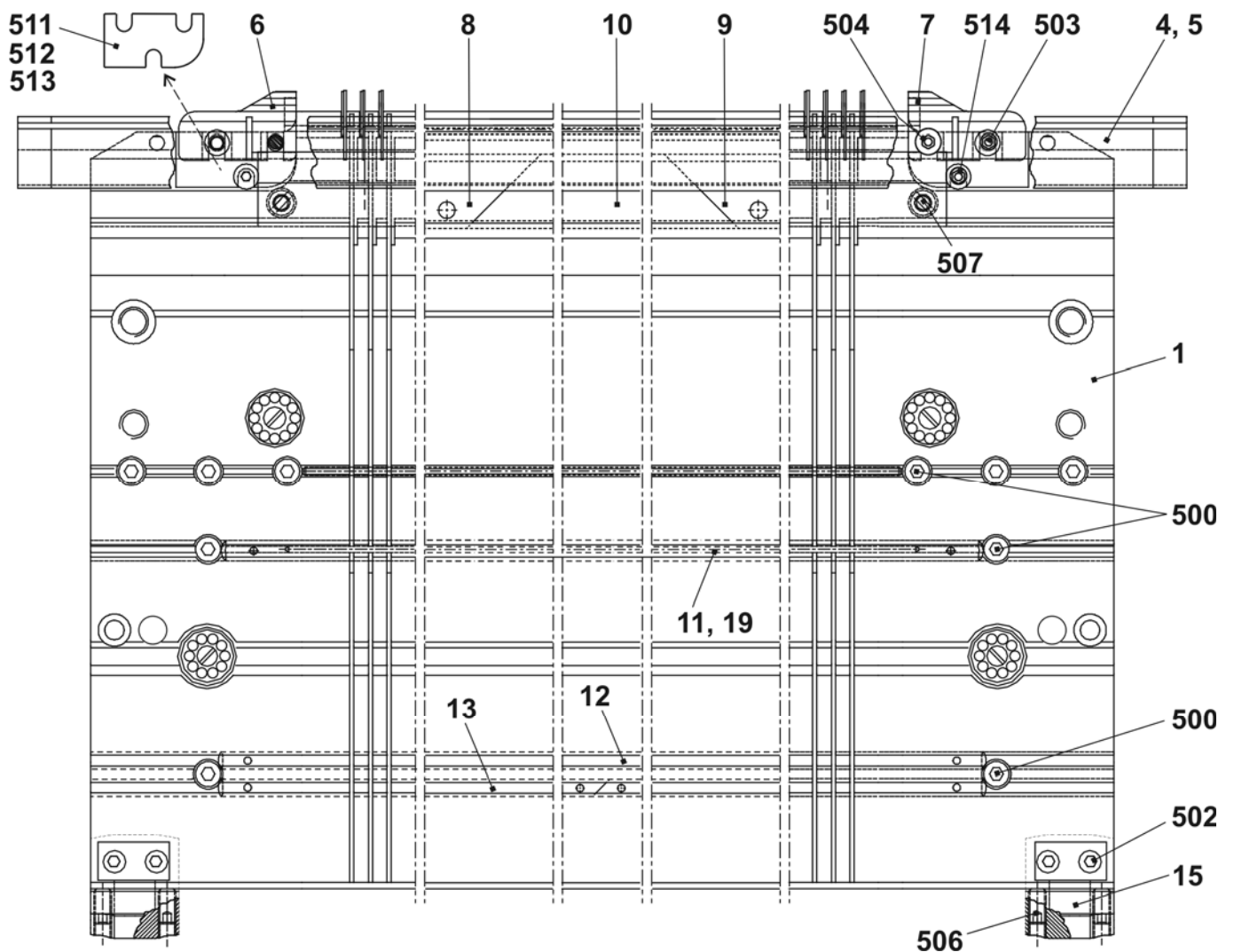
Continuation needle bed E5m.4

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E5m.4	211 968	9	Holding-down jack E5	205 031
2	Spring steel wire Ø1.0	210 971	14	Fixed wire ø2.8	210 974
3	Spring steel wire ø2.0	210 972	16	Spring steel wire Ø2.8	212 173
4a	Needle E2,5.2-3,5.2	232 581	30*	Adjusting piece	206 375
4b	Coupling part E4-E8	200 682	31*	Set screw co.	207 712
6	Intermediate slider with brake E5-E8	237 323	40*	Disk brush	235 612
7a	Selection jack E4-E8	200 687	42*	Disk brush	202 600
7b	Selector spring E4-E8	200 690	520*	Cap screw M5x12	020 032
8	Knock-over bit E5	204 996	521*	Adjusting washer P6x12x03	023 540



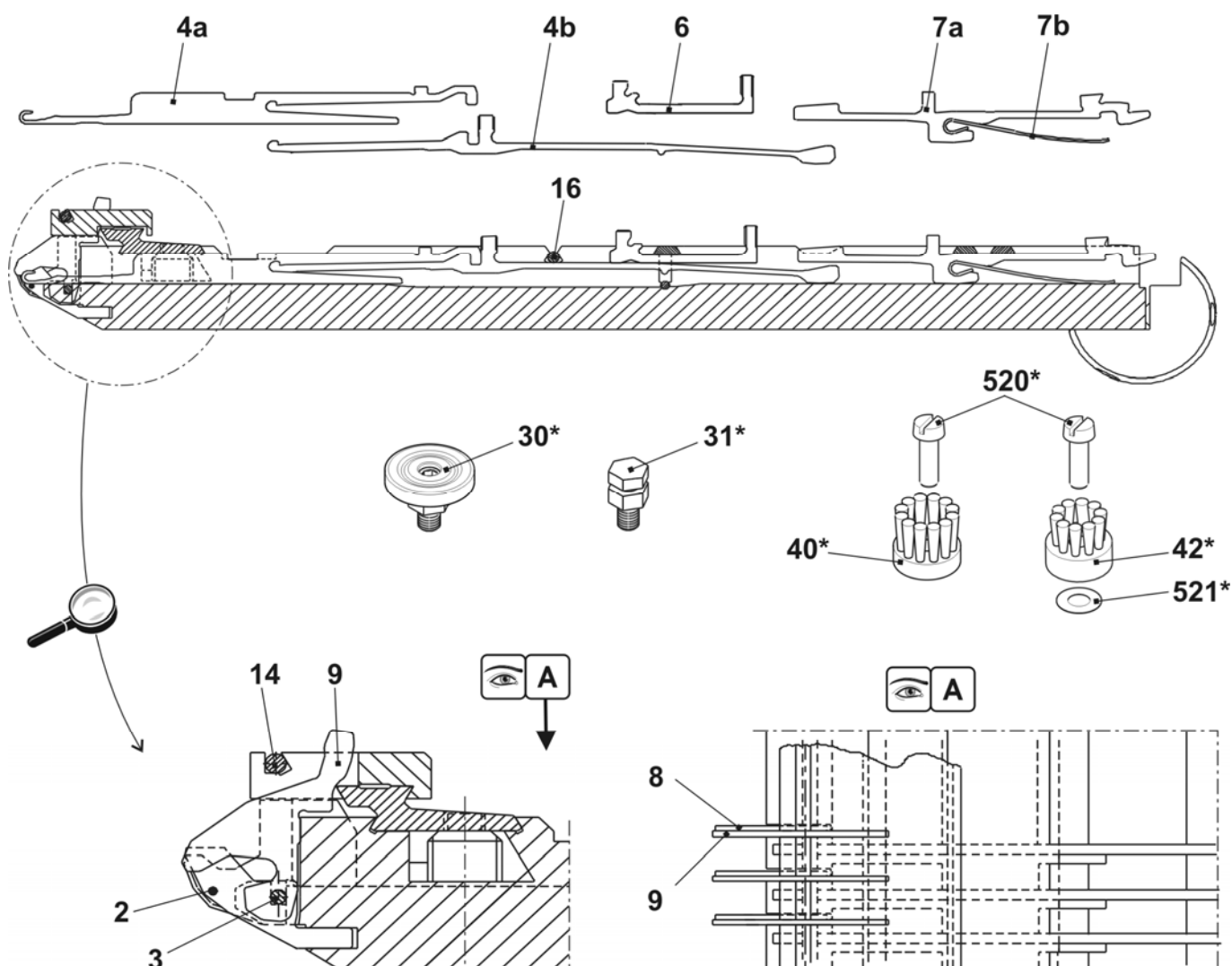
Needle bed E7m.5

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E7m.5	210 433	15	Support	206 352
1	Needle bed at the front + rear E7	210 992	19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E7	211 039	500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E7	211 046	502	Cap screw M6x25	020 137
6	Limiter on the left E4-E8	205 343	503	Cap screw M5x8-8.8	023 154
7	Limiter on the right E4-E8	205 344	504	Cap screw M5x22	023 193
8	Needle rail	205 311	506	Set screw M6x12-45	022 400
9	Needle rail on the right	205 312	507	Sprung thrust piece B-M10	023 177
10	Needle rail	210 977	511	Shim 0.05x18.5x34	023 196
11	Cover rail at the front E7	210 983	512	Shim 0.1x18.5x34	023 197
12	Cover rail	210 978	513	Shim 0.2x18.5x34	023 253
13	Cover rail	210 980	514	Cap screw M5x8	023 379



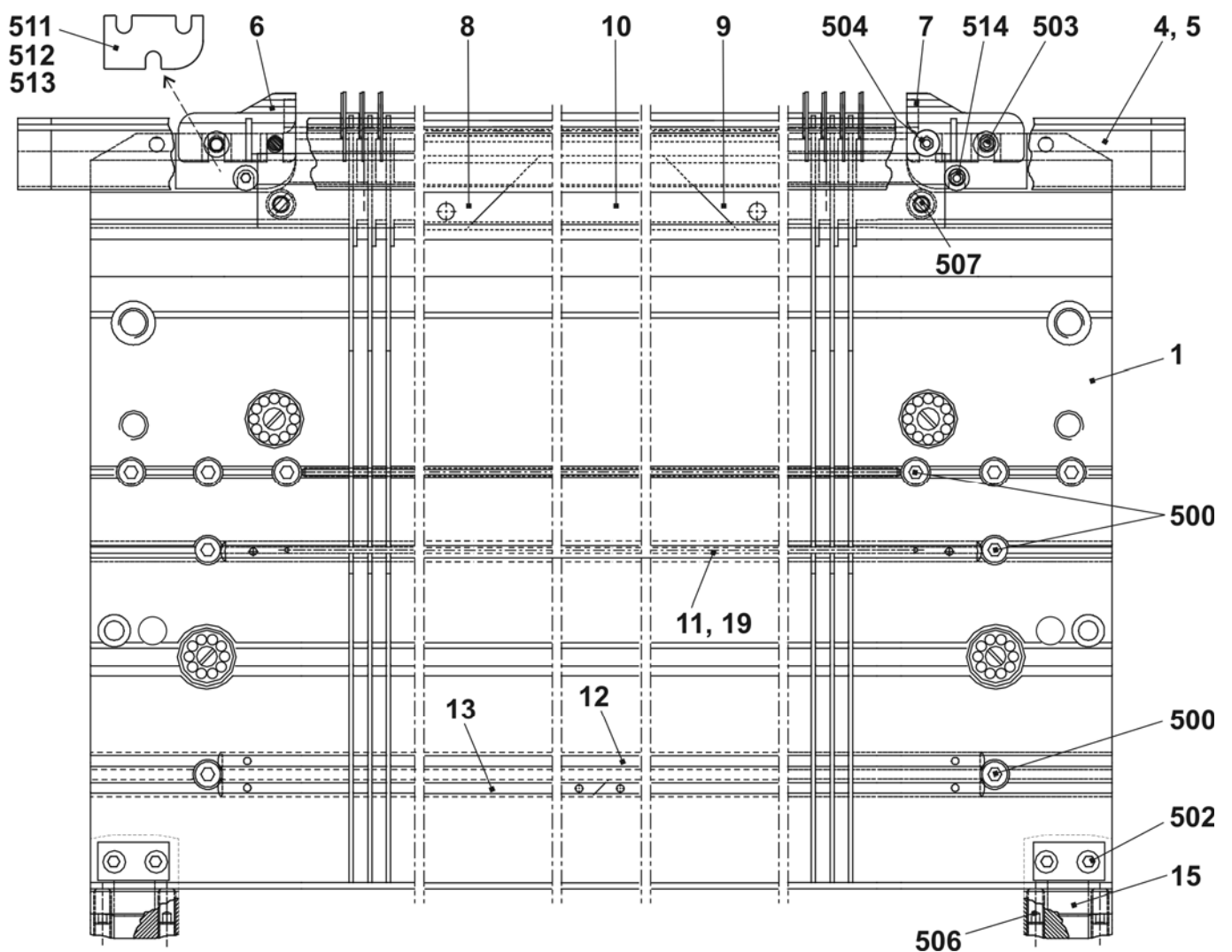
Continuation needle bed E7m.5

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E7m.5	210 433	9	Holding-down jack E7	205 032
2	Spring steel wire Ø0.8	210 970	14	Fixed wire ø2.8	210 974
3	Spring steel wire ø2.0	210 972	16	Spring steel wire Ø2.8	212 173
4a	Needle E5-6 with round hook	205 396	30*	Adjusting piece	206 375
4b	Coupling part E4-E8	200 682	31*	Set screw co.	207 712
6	Intermediate slider with brake E5-E8	237 323	40*	Disk brush	235 612
7a	Selection jack E4-E8	200 687	42*	Disk brush	202 600
7b	Selector spring E4-E8	200 690	520*	Cap screw M5x12	020 032
8	Knock-over bit E7	207 055	521*	Adjusting washer P6x12x03	023 540



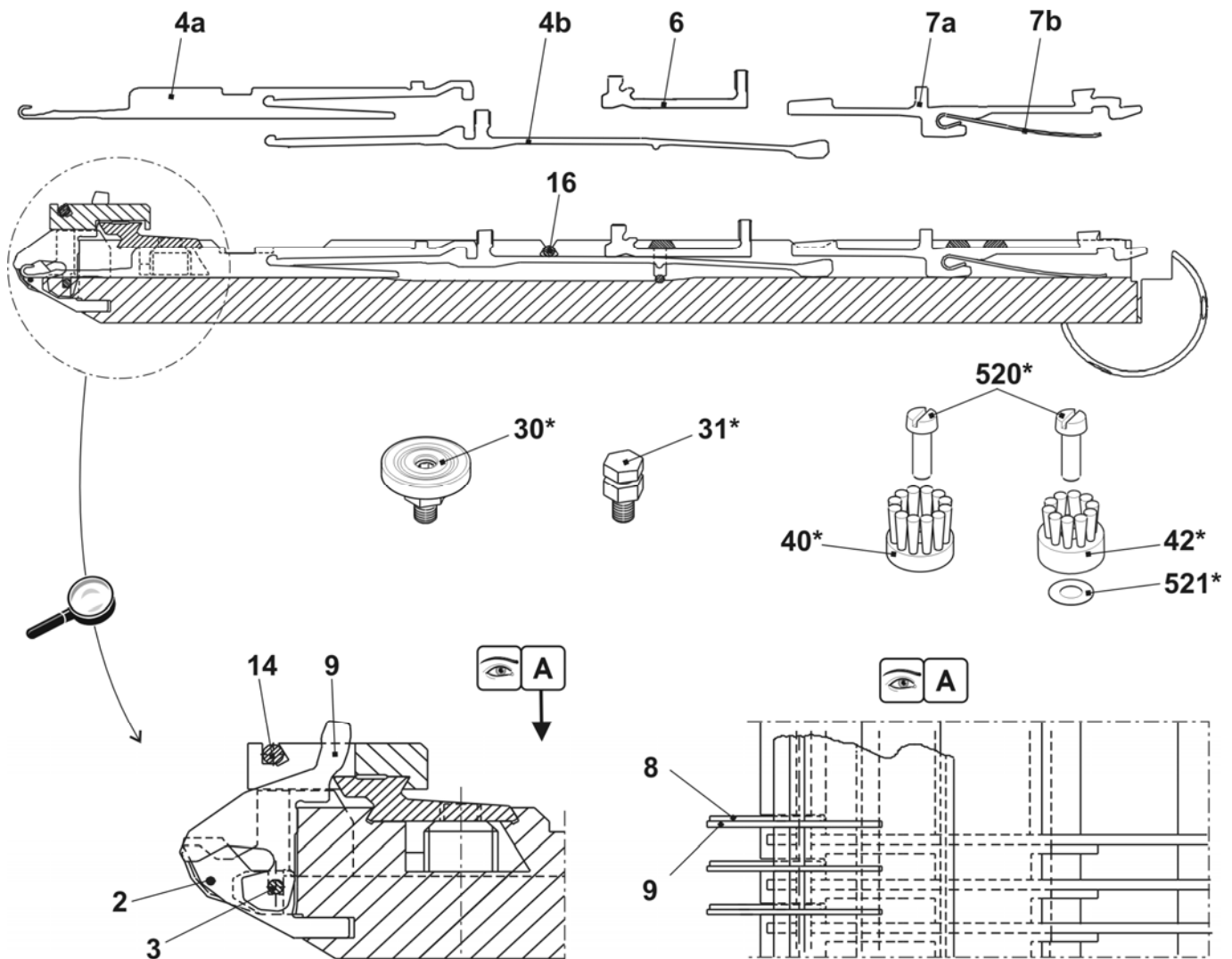
Needle bed E7m.8

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E7m.8	210 434	15	Support	206 352
1	Needle bed at the front + rear E7	210 992	19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E7	211 039	500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E7	211 046	502	Cap screw M6x25	020 137
6	Limiter on the left E4-E8	205 343	503	Cap screw M5x8-8.8	023 154
7	Limiter on the right E4-E8	205 344	504	Cap screw M5x22	023 193
8	Needle rail	205 311	506	Set screw M6x12-45	022 400
9	Needle rail on the right	205 312	507	Sprung thrust piece B-M10	023 177
10	Needle rail	210 977	511	Shim 0.05x18.5x34	023 196
11	Cover rail at the front E7	210 983	512	Shim 0.1x18.5x34	023 197
12	Cover rail	210 978	513	Shim 0.2x18.5x34	023 253
13	Cover rail	210 980	514	Cap screw M5x8	023 379



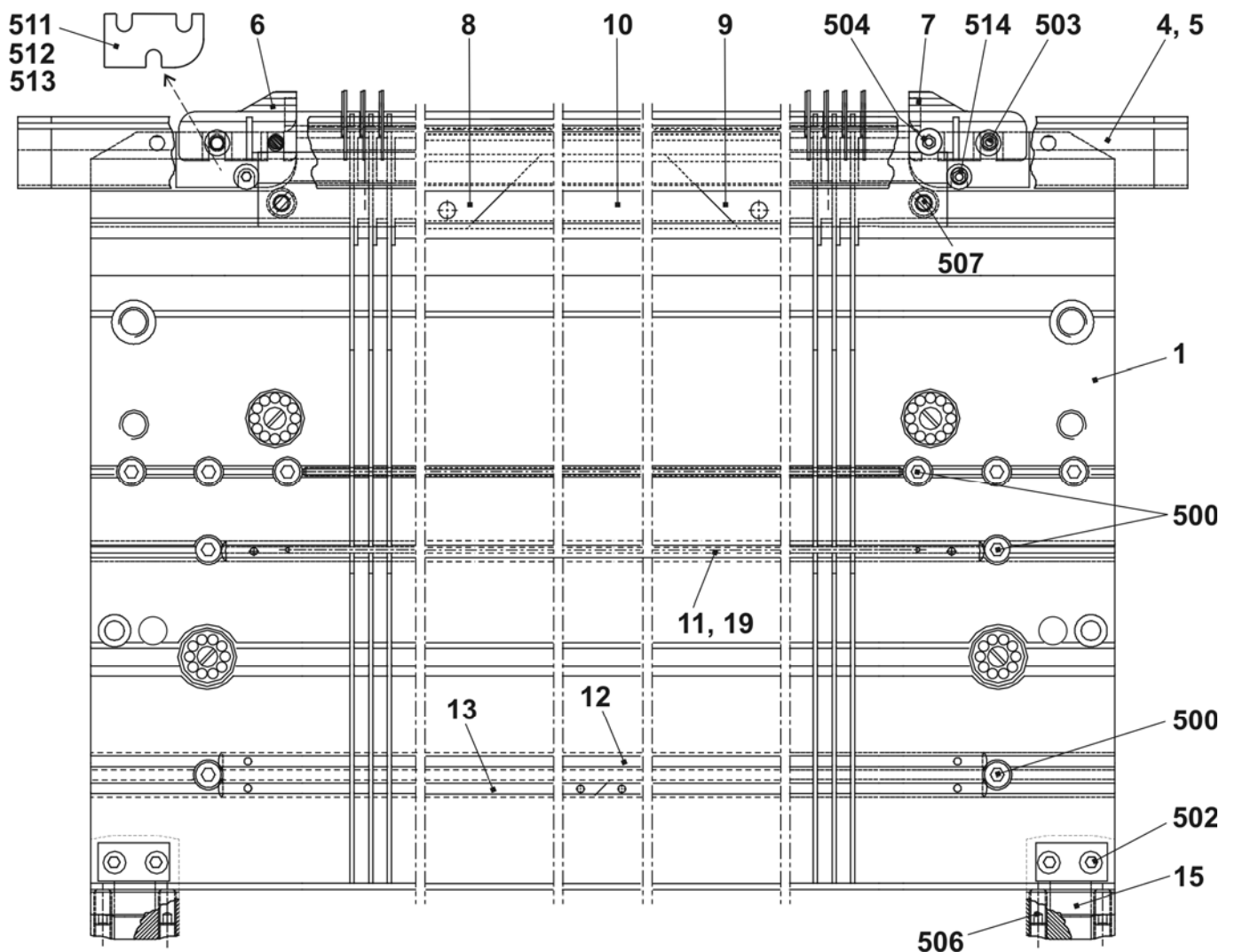
Continuation needle bed E7m.8

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E7m.8	210 434	9	Holding-down jack E7	205 032
2	Spring steel wire Ø0.8	210 970	14	Fixed wire ø2.8	210 974
3	Spring steel wire ø2.0	210 972	16	Spring steel wire Ø2.8	212 173
4a	Needle E8 with round hook	208 745	30*	Adjusting piece	206 375
4b	Coupling part E4-E8	200 682	31*	Set screw co.	207 712
6	Intermediate slider with brake E5-E8	237 323	40*	Disk brush	235 612
7a	Selection jack E4-E8	200 687	42*	Disk brush	202 600
7b	Selector spring E4-E8	200 690	520*	Cap screw M5x12	020 032
8	Knock-over bit E7	207 055	521*	Adjusting washer P6x12x03	023 540



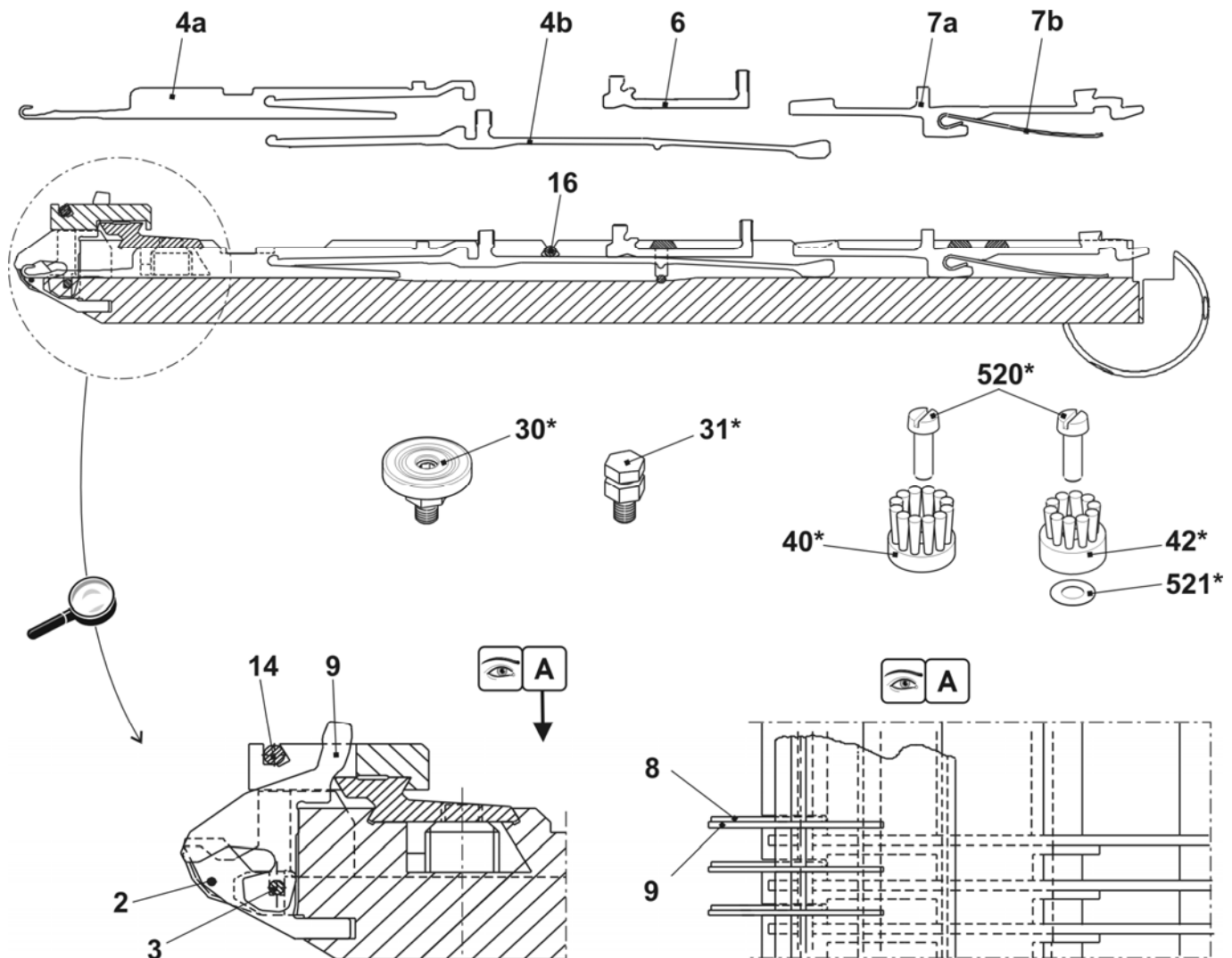
Needle bed E8m.7

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E8m.7	210 435	15	Support	206 352
1	Needle bed at the front + rear E8	210 993	19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E8	211 040	500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E8	211 047	502	Cap screw M6x25	020 137
6	Limiter on the left E4-E8	205 343	503	Cap screw M5x8-8.8	023 154
7	Limiter on the right E4-E8	205 344	504	Cap screw M5x22	023 193
8	Needle rail	205 311	506	Set screw M6x12-45	022 400
9	Needle rail on the right	205 312	507	Sprung thrust piece B-M10	023 177
10	Needle rail	210 977	511	Shim 0.05x18.5x34	023 196
11	Cover rail at the front E8	210 984	512	Shim 0.1x18.5x34	023 197
12	Cover rail	210 978	513	Shim 0.2x18.5x34	023 253
13	Cover rail	210 980	514	Cap screw M5x8	023 379



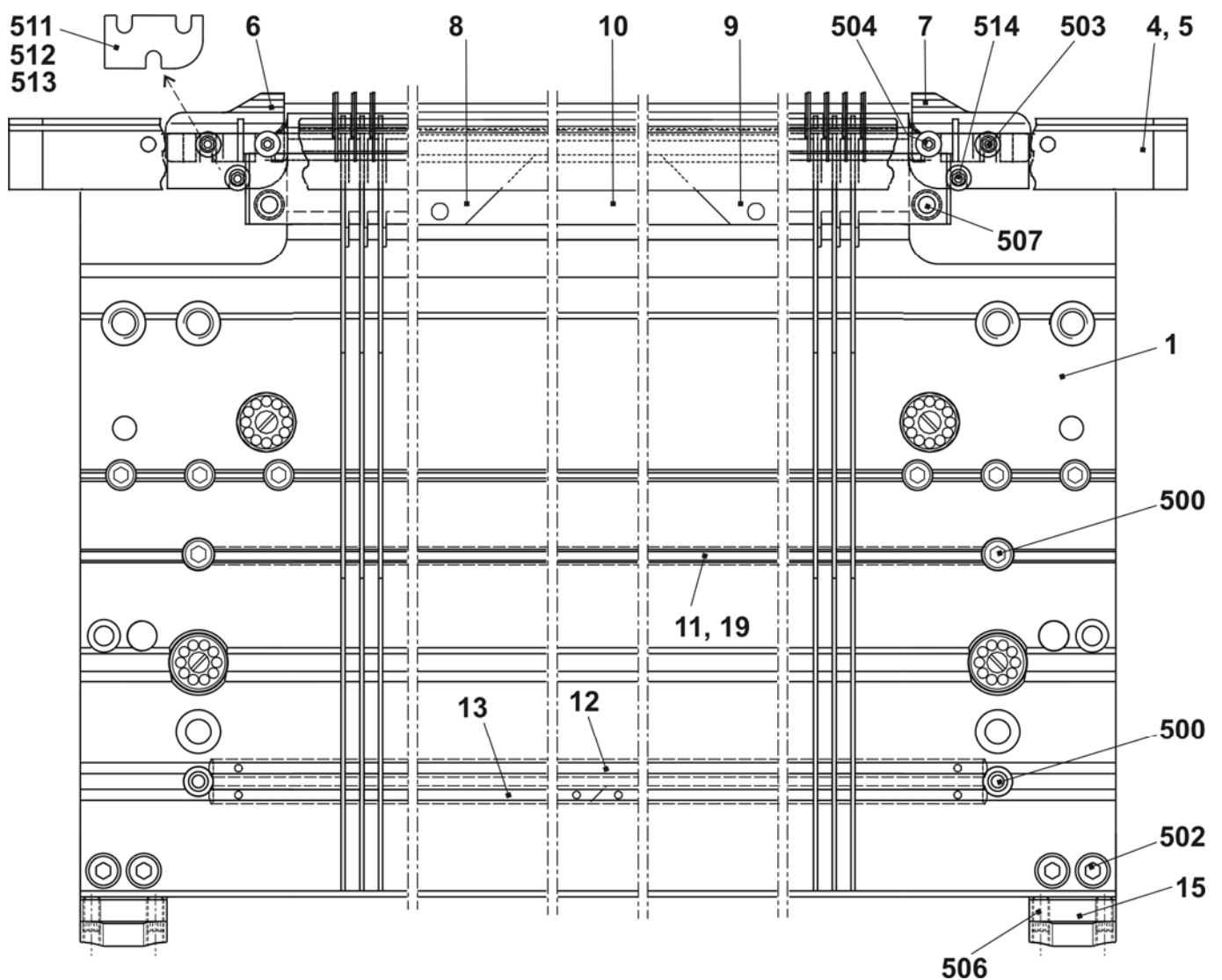
Continuation needle bed E8m.7

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E8m.7	210 435	9	Holding-down jack E8	205 028
2	Spring steel wire Ø0.8	210 970	14	Fixed wire ø2.8	210 974
3	Spring steel wire ø2.0	210 972	16	Spring steel wire Ø2.8	212 173
4a	Needle E7 with round hook	205 397	30*	Adjusting piece	206 375
4b	Coupling part E4-E8	200 682	31*	Set screw co.	207 712
6	Intermediate slider with brake E5-E8	237 323	40*	Disk brush	235 612
7a	Selection jack E4-E8	200 687	42*	Disk brush	202 600
7b	Selector spring E4-E8	200 690	520*	Cap screw M5x12	020 032
8	Knock-over bit E8	207 054	521*	Adjusting washer P6x12x03	023 540



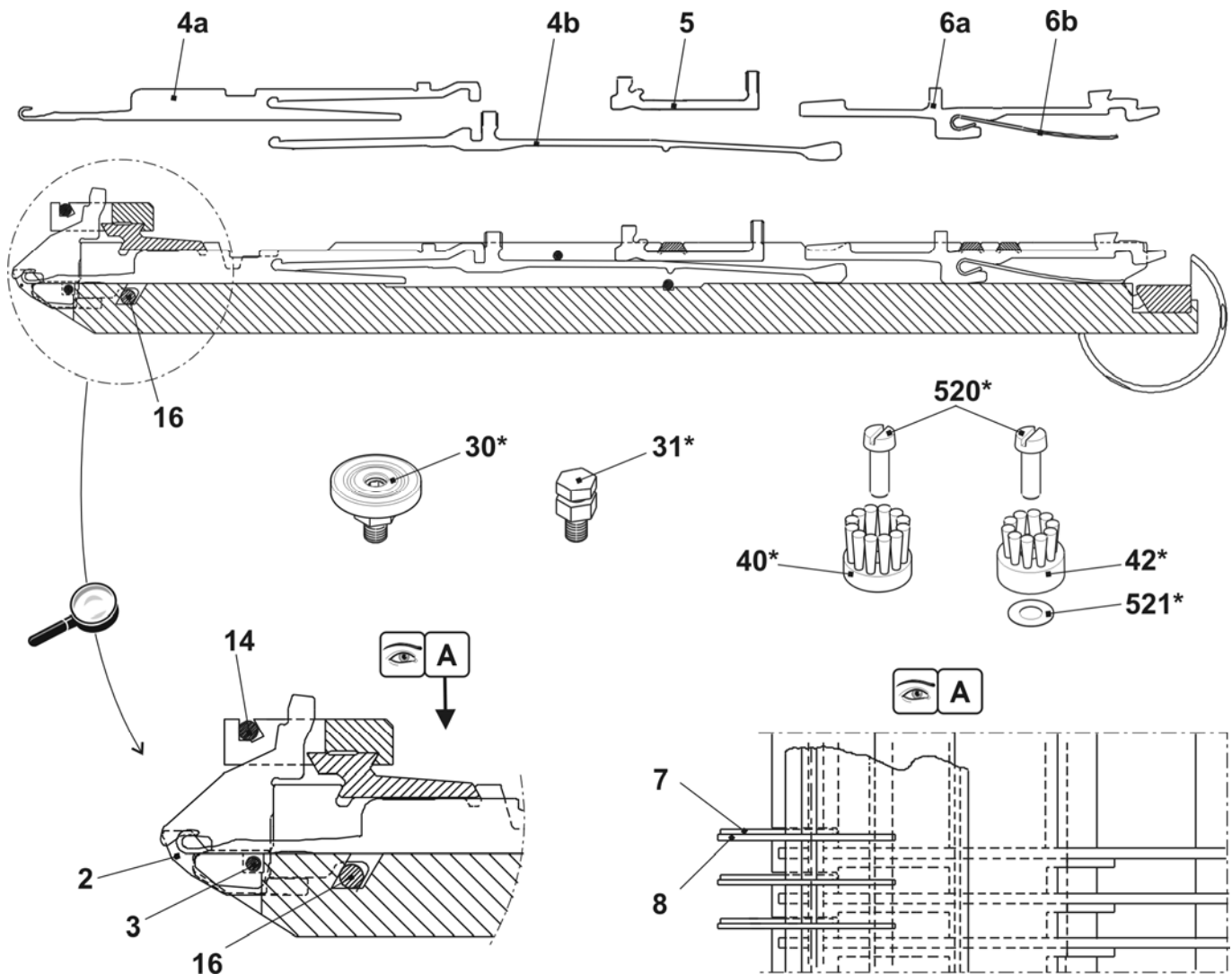
Needle bed E10m.12

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E10m.12	241 662	15	Support	206 352
1	Needle bed at the front + rear E10	241 648	19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E10	211 041	500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E10	211 048	502	Cap screw M6x25	020 137
6	Limiter on the left E10-14	205 764	503	Cap screw M5x8-8.8	023 154
7	Limiter on the right E10-14	205 765	504	Cap screw M5x22	023 193
8	Needle rail on the left	205 311	506	Set screw M6x12-45	022 400
9	Needle rail on the right	205 312	507	Sprung thrust piece B-M10	023 177
10	Needle rail	210 977	511	Shim 0.05x18.5x34	023 196
11	Cover rail at the front E10	210 985	512	Shim 0.1x18.5x34	023 197
12	Cover rail	210 978	513	Shim 0.2x18.5x34	023 253
13	Cover rail	210 980	514	Cap screw M5x8	023 379



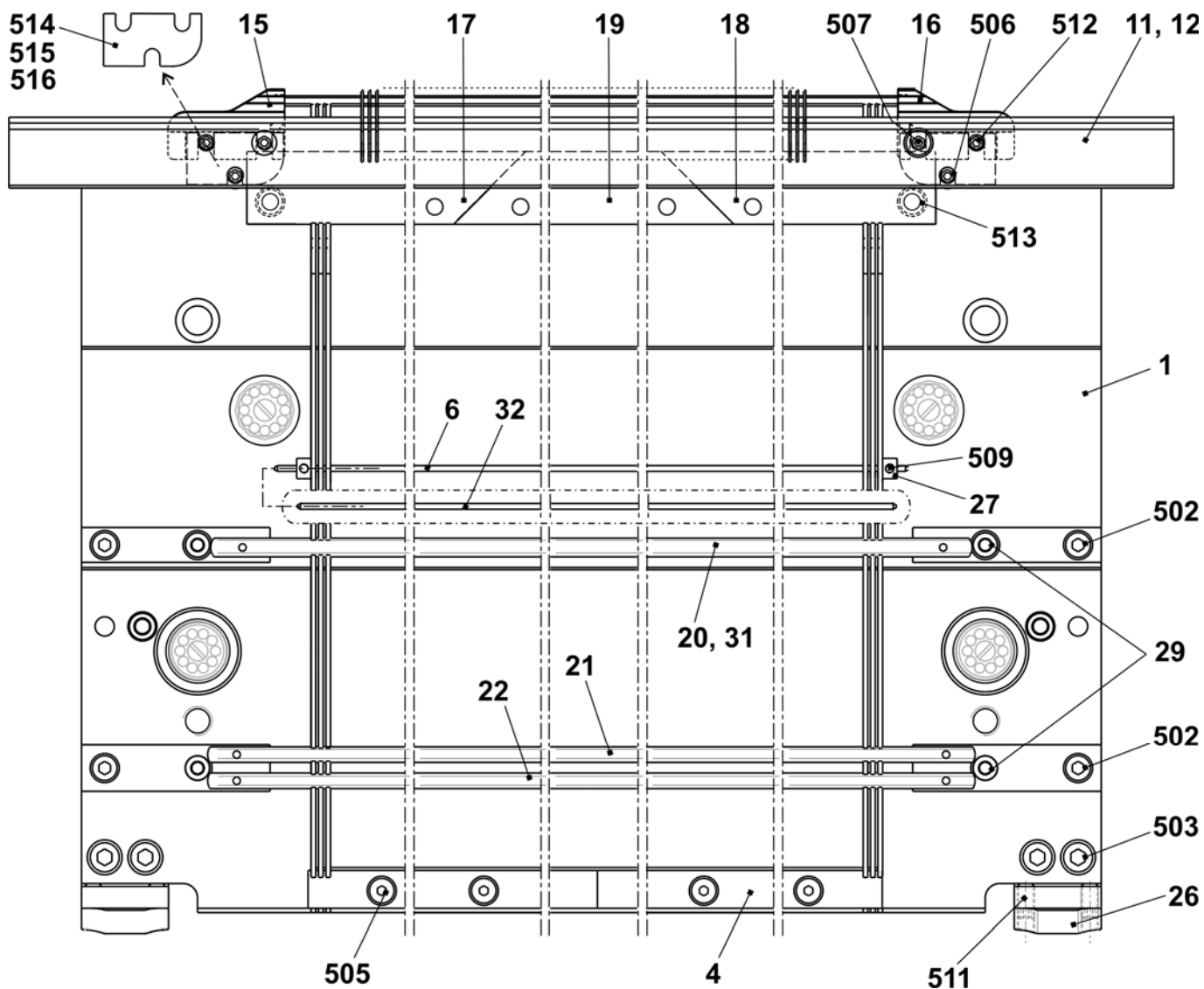
Continuation needle bed E10m.12

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E10m.12	241 662	8	Holding-down jack trick wall E10	239 815
2	Spring steel wire Ø0.6	210 969	14	Fixed wire ø2.8	210 974
3	Spring steel wire ø2.0	210 972	16	Spring steel wire Ø2.8	212 173
4a	Needle E12	204 009	30*	Adjusting piece	206 375
4b	Coupling part E10-12	200 683	31*	Set screw co.	207 712
5	Intermediate slider with brake E10	237 324	40*	Disk brush	235 612
6a	Selection jack E10-12	200 688	42*	Disk brush	202 600
6b	Selector spring E10-12	200 691	520*	Cap screw M5x12	020 032
7	Knock-over bit E10	239 756	521*	Adjusting washer P6x12x03	023 540



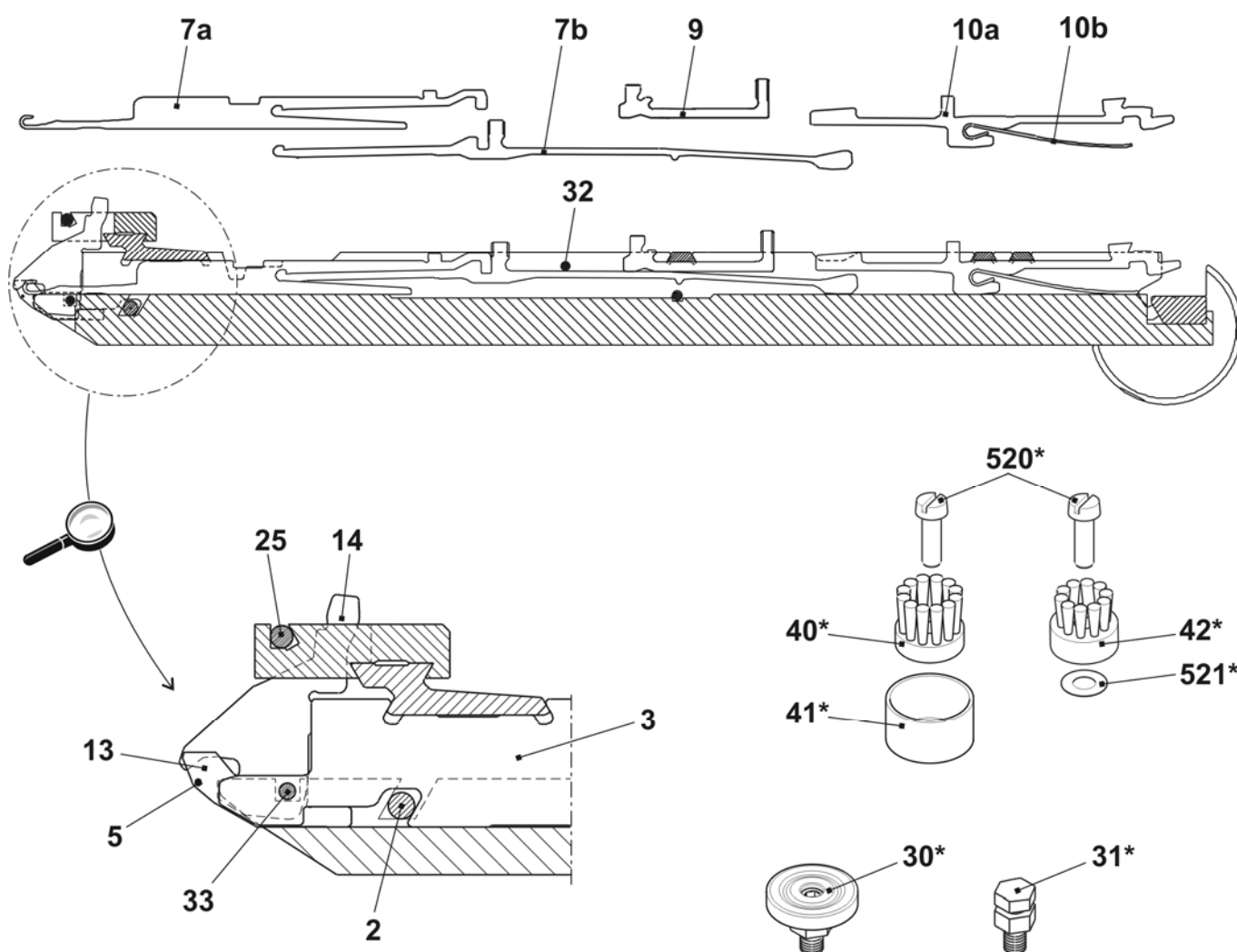
Needle bed E12m.10

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E12m.10	253 745			
1	Needle bed at the front + rear E12	253 741	29	Cap screw 5x12	209 484
4	Pressure bar	211 009	31	Cover rail at the rear	210 979
6	Spring steel wire ø2.0	251 095	32	Spring steel wire ø2.0	210 973
11	Holding-down jack bed at the front E12	211 042	502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E12	211 049	503	Cap screw M6x14	022 658
15	Limiter on the left E10-14	205 764	505	Cap screw M5x8	023 379
16	Limiter on the right E10-14	205 765	506	Cap screw M5x12-8.8	022 943
17	Needle rail on the left	205 311	507	Cap screw M5x22	023 193
18	Needle rail on the right	205 312	509	Set screw ISO 4766-M3.5x3-1	020 512
19	Needle rail	210 977	511	Set screw M6x12-45	022 400
20	Cover rail at the front E12	210 986	512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978	513	Sprung thrust piece B-M10	023 177
22	Cover rail	210 980	514	Shim 0.05x18.5x34	023 196
26	Support	206 352	515	Shim 0.1x18.5x34	023 197
27	Bush	206 090	516	Shim 0.2x18.5x34	023 253



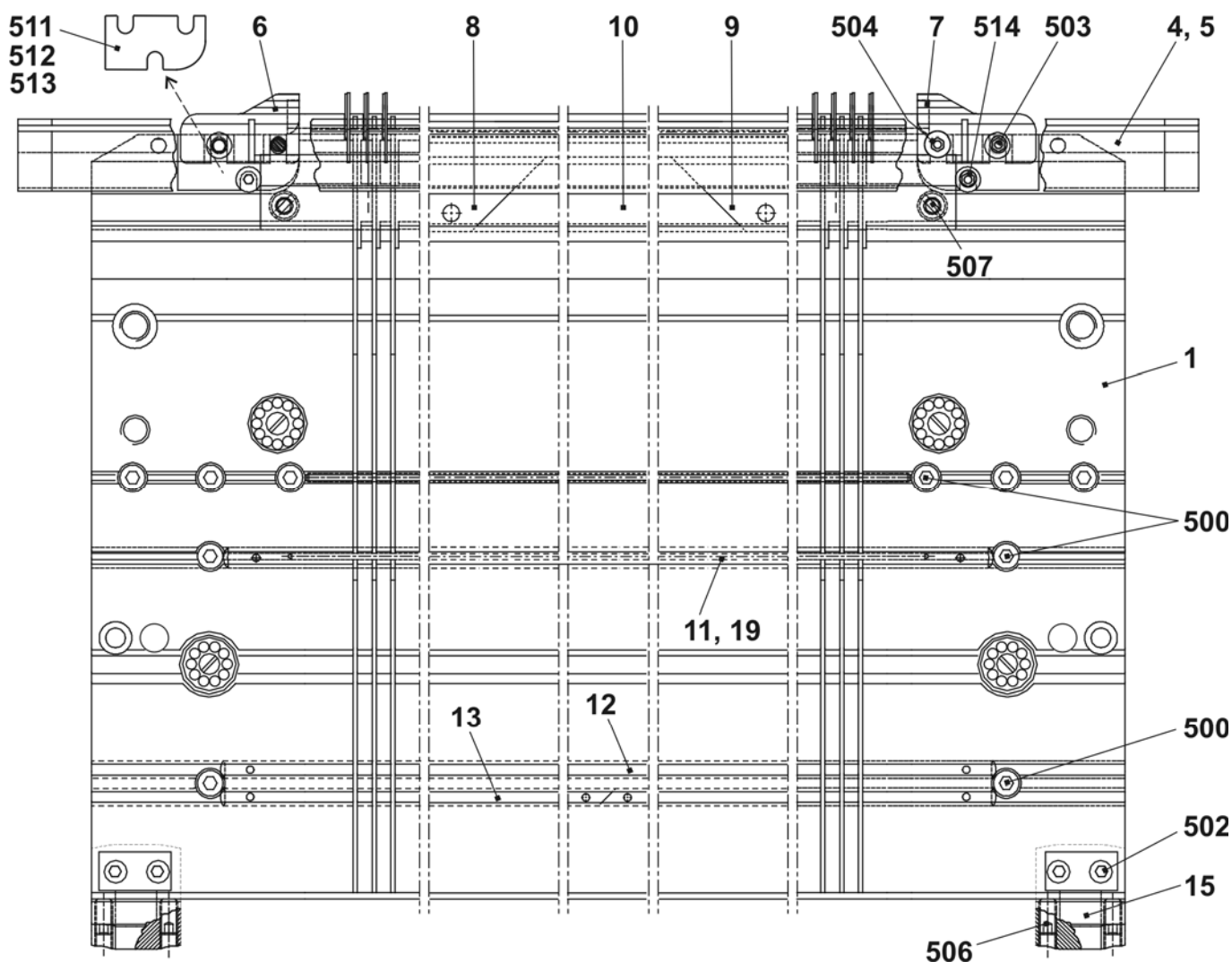
Continuation needle bed E12m.10

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E12m.10	253 745			
2	Fixed wire ø3.4	210 975	25	Fixed wire ø2.8	210 974
3	Main trick wall E12	252 628	32	Spring steel wire ø2.0	210 973
5	Spring steel wire Ø0.6	210 969	33	Spring steel wire ø2.0	210 973
7a	Needle E10 with round hook	205 398	30*	Adjusting piece	206 375
7b	Coupling part E10-12	200 683	31*	Set screw co.	207 712
9	Intermediate slider with brake E10-12	237 324	40*	Disk brush	235 612
10a	Selection jack E10-12	200 688	41*	Container disk brush	233 012
10b	Selector spring E10-12	200 691	42*	Disk brush	202 600
13	Knock-over bit E12	205 013	520*	Cap screw M5x12	020 032
14	Holding-down jack trick wall E12	227 821	521*	Adjusting washer P6x12x03	023 540



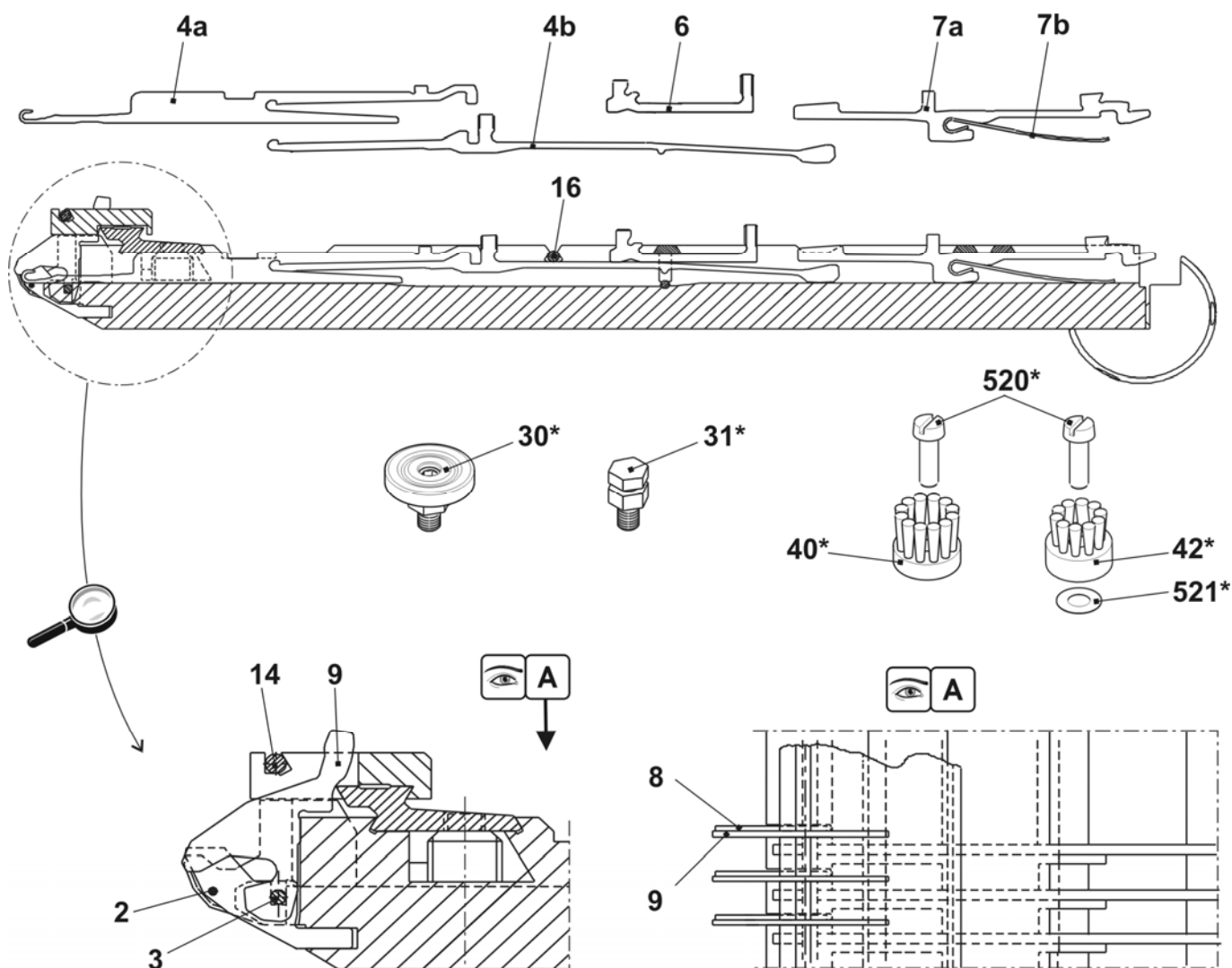
Needle bed E3,5.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E3,5.2	244 613	15	Support	206 352
1	Needle bed at the front + rear E7	210 992	19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E3,5.2 MG	240 174	500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E3,5.2	240 175	502	Cap screw M6x25	020 137
6	Limiter on the left E4-E8	205 343	503	Cap screw M5x8-8.8	023 154
7	Limiter on the right E4-E8	205 344	504	Cap screw M5x22	023 193
8	Needle rail	205 311	506	Set screw M6x12-45	022 400
9	Needle rail on the right	205 312	507	Sprung thrust piece B-M10	023 177
10	Needle rail	210 977	511	Shim 0.05x18.5x34	023 196
11	Cover rail at the front E7	210 983	512	Shim 0.1x18.5x34	023 197
12	Cover rail	210 978	513	Shim 0.2x18.5x34	023 253
13	Cover rail	210 980	514	Cap screw M5x8	023 379



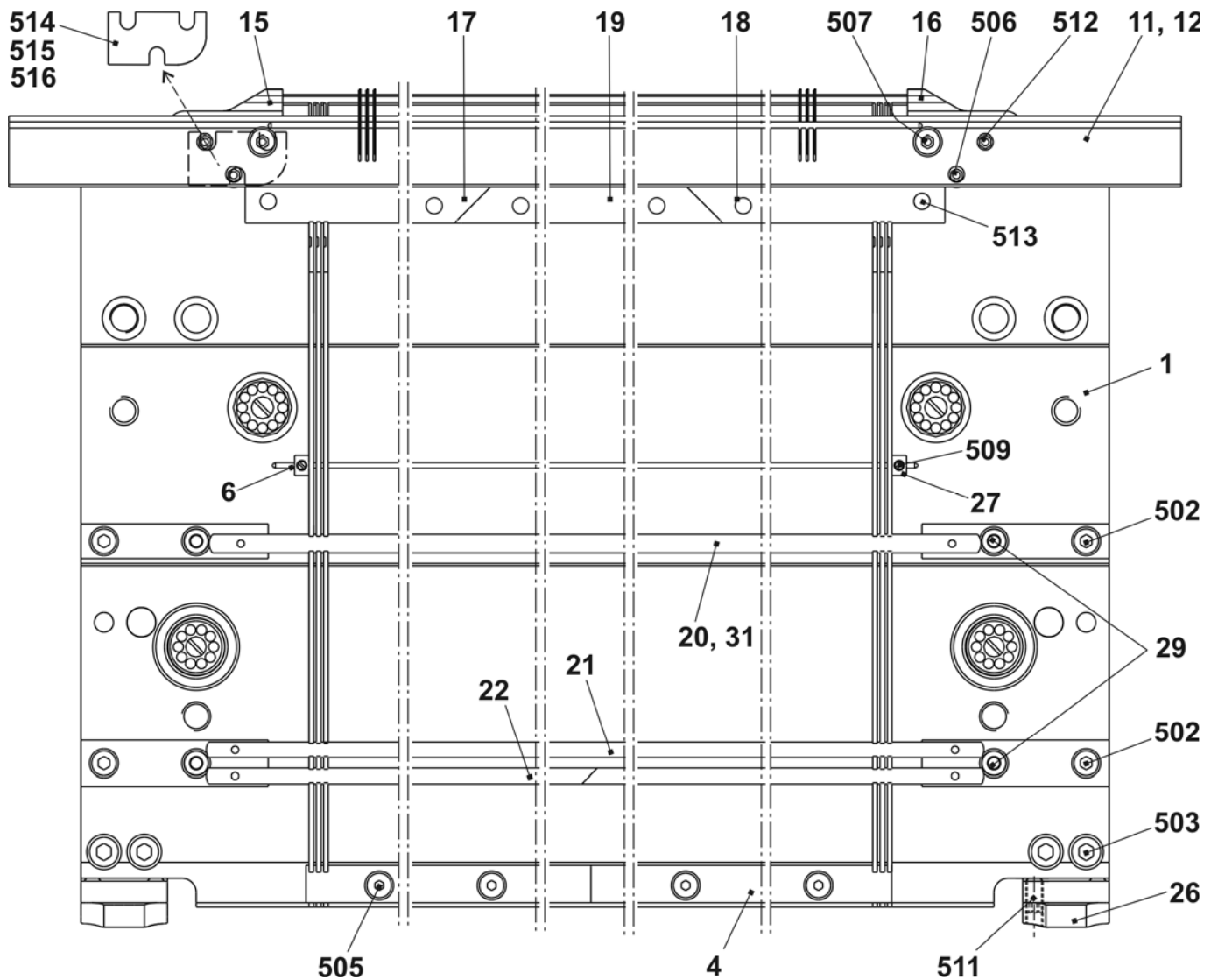
Continuation needle bed E3,5.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E7	244 613	9	Holding-down jack E7	205 032
2	Spring steel wire Ø0.8	210 970	14	Fixed wire Ø2.8	210 974
3	Spring steel wire Ø2.0	210 972	16	Spring steel wire Ø2.8	212 173
4a	Needle E2,5.2-3,5.2	232 581	30*	Adjusting piece	206 375
4b	Coupling part E4-E8	200 682	31*	Set screw co.	207 712
6	Intermediate slider with brake E5-E8	237 323	40*	Disk brush	235 612
7a	Selection jack E4-E8	200 687	42*	Disk brush	202 600
7b	Selector spring E4-E8	200 690	520*	Cap screw M5x12	020 032
8	Knock-over bit E7	207 055	521*	Adjusting washer P6x12x03	023 540



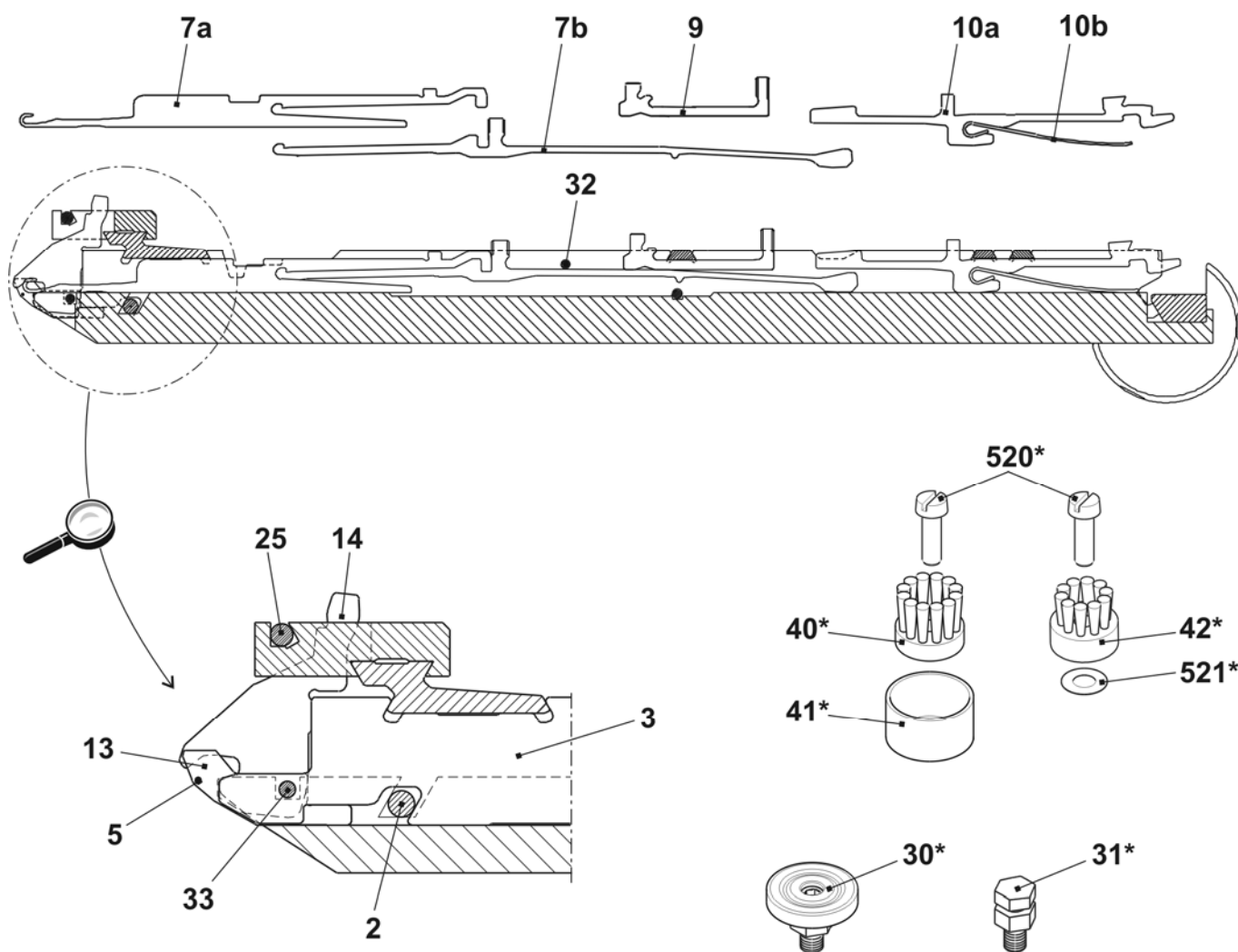
Needle bed E5.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E5.2	244 611	27	Bush	206 090
1	Needle bed at the front + rear E5.2	244 532	29	Cap screw 5x12	209 484
4	Pressure bar	211 009	31	Cover rail at the rear	210 979
6	Spring steel wire ø2.0	210 972	502	Cap screw M5x12	020 132
11	Holding-down jack bed at the front E5.2	244 526	503	Cap screw M6x14	022 658
12	Holding-down jack bed at the rear E5.2	244 527	505	Cap screw M5x8	023 379
15	Limiters on the left E4-E8	205 343	506	Cap screw M5x12-8.8	022 943
16	Limiters on the right E4-E8	205 344	507	Cap screw M5x22	023 193
17	Needle rail on the left	205 311	509	Set screw M3.5x3-1	020 512
18	Needle rail on the right	205 312	511	Set screw M6x12-45	022 400
19	Needle rail	210 977	512	Cap screw M5x8-8.8 M	023 154
20	Cover rail at the front E10	210 985	513	Sprung thrust piece B-M10	023 177
21	Cover rail	210 978	514	Shim 0.05x18.5x34	023 196
22	Cover rail	210 980	515	Shim 0.1x18.5x34	023 197
26	Support	206 352	516	Shim 0.2x18.5x34	023 253



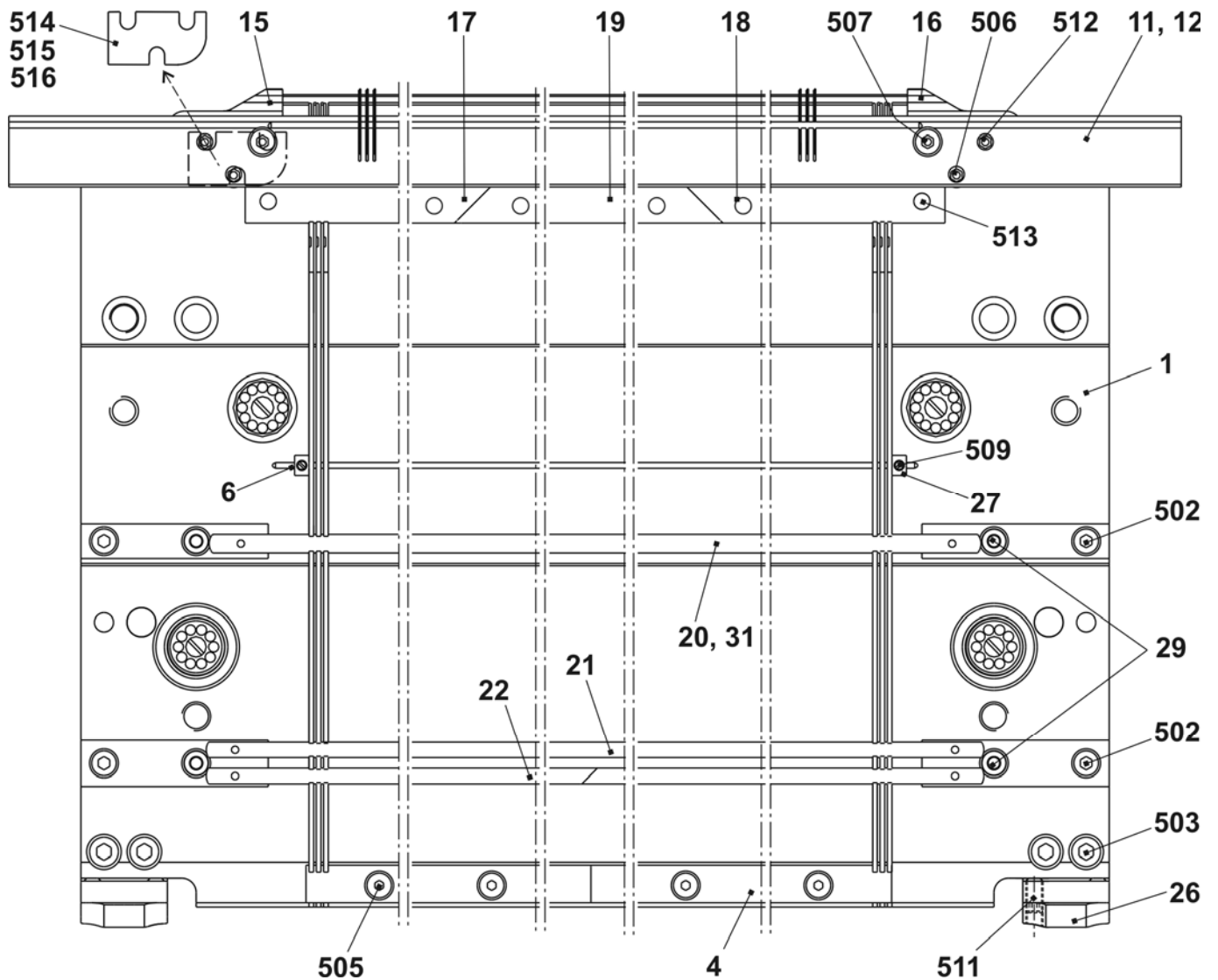
Continuation needle bed E5.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E5.2	244 611			
2	Fixed wire ø3.4	210 975	25	Fixed wire ø2.8	210 974
3	Main trick wall E5.2	219 171	32	Spring steel wire ø2.0	210 973
5	Spring steel wire ø1.0	210 971	33	Spring steel wire ø1.95	212 184
7a	Needle E5.2	219 181	30*	Adjusting piece	206 375
7b	Coupling part E5.2	211 188	31*	Set screw co.	207 712
9	Intermediate slider with brake E5.2	236 030	40*	Disk brush	235 612
10a	Selection jack E5.2	219 214	41*	Container disk brush	233 012
10b	Selector spring E5.2	219 265	42*	Disk brush	202 600
13	Knock-over bit E5.2	221 367	520*	Cap screw M5x12	020 032
14	Holding-down jack trick wall	227 716	521*	Adjusting washer P6x12x03	023 540



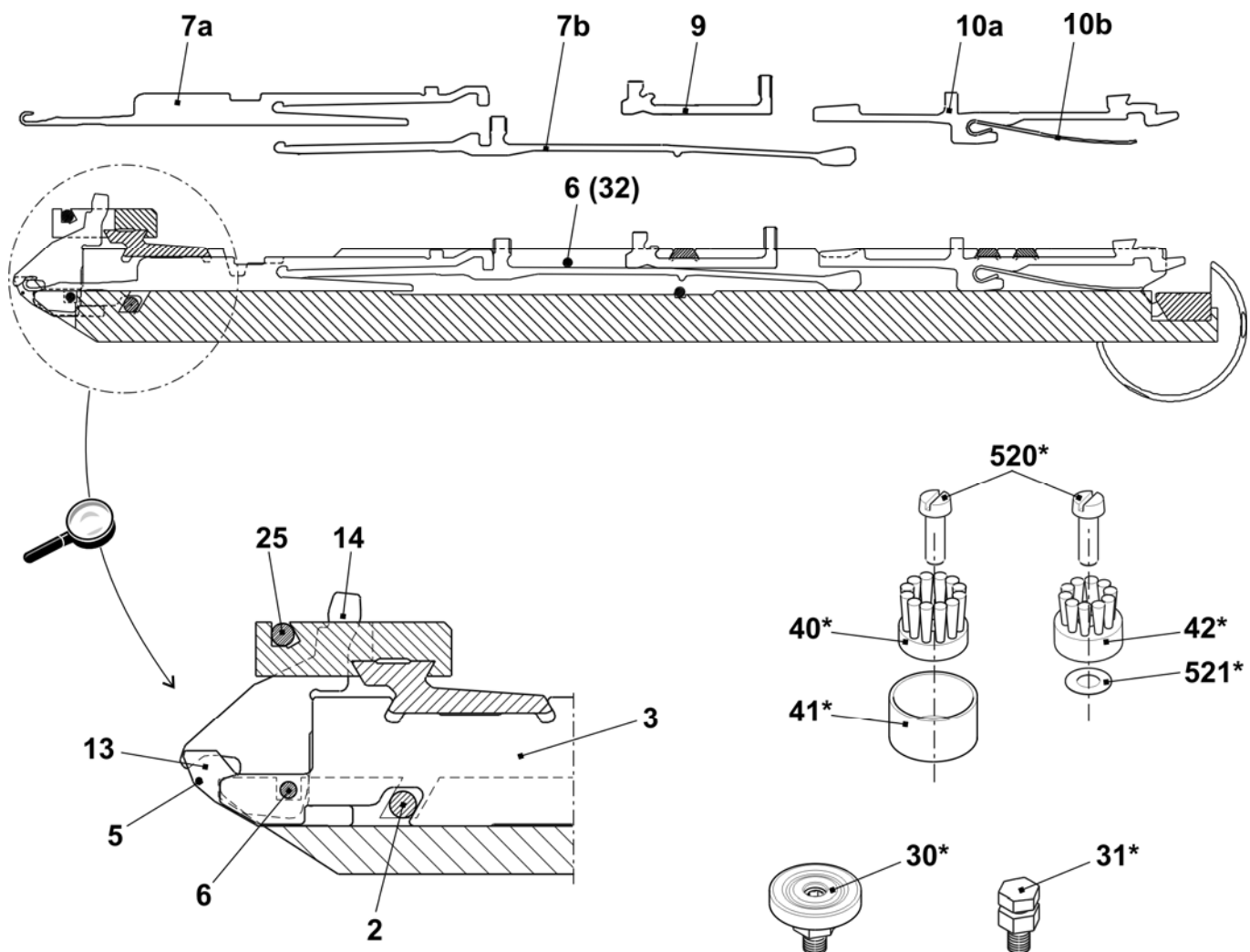
Needle bed E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E6.2	253 746	27	Bush	206 090
1	Needle bed at the front + rear E12	253 741	29	Cap screw 5x12	209 484
4	Pressure bar	211 009	31	Cover rail at the rear	210 979
6	Spring steel wire ø2.0	251 095	502	Cap screw M5x12	020 132
11	Holding-down jack bed at the front E6.2	244 524	503	Cap screw M6x14	022 658
12	Holding-down jack bed at the rear E6.2	244 525	505	Cap screw M5x8	023 379
15	Limiters on the left E10-14	205 764	506	Cap screw M5x12-8.8	022 943
16	Limiters on the right E10-14	205 765	507	Cap screw M5x22	023 193
17	Needle rail on the left	205 311	509	Set screw ISO 4766-M3.5x3-1	020 512
18	Needle rail on the right	205 312	511	Set screw M6x12-45	022 400
19	Needle rail	210 977	512	Cap screw M5x8-8.8 M	023 154
20	Cover rail at the front E12	210 986	513	Sprung thrust piece B-M10	023 177
21	Cover rail	210 978	514	Shim 0.05x18.5x34	023 196
22	Cover rail	210 980	515	Shim 0.1x18.5x34	023 197
26	Support	206 352	516	Shim 0.2x18.5x34	023 253



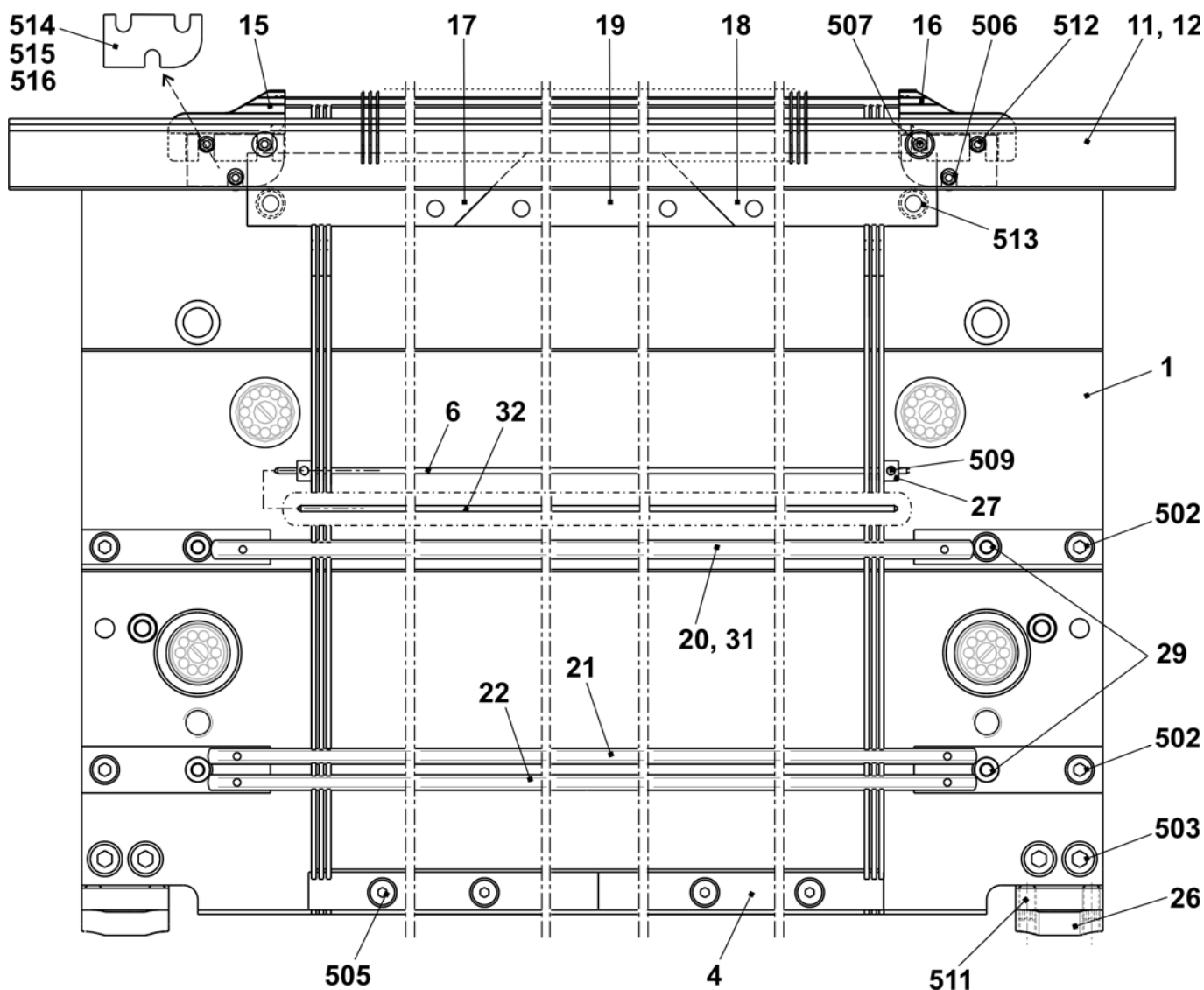
Continuation needle bed E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E6.2	253 746	14	Holding-down jack trick wall E12	227 821
2	Fixed wire ø3.4	210 975	25	Fixed wire ø2.8	210 974
3	Main trick wall E12	252 628	32	Spring steel wire ø2.0	210 973
5	Spring steel wire ø0.6	210 969	30*	Adjusting piece	206 375
6	Spring steel wire ø2.0	251 095	31*	Set screw co.	207 712
7a	Needle E6.2	207 349	40*	Disk brush	235 612
7b	Coupling part E10-12	200 683	41*	Container disk brush	233 012
9	Intermediate slider with brake E10-12	237 324	42*	Disk brush	202 600
10a	Selection jack E10-12	200 688	520*	Cap screw M5x12	020 032
10b	Selector spring E10-12	200 691	521*	Adjusting washer P6x12x03	023 540
13	Knock-over bit E12	205 013			



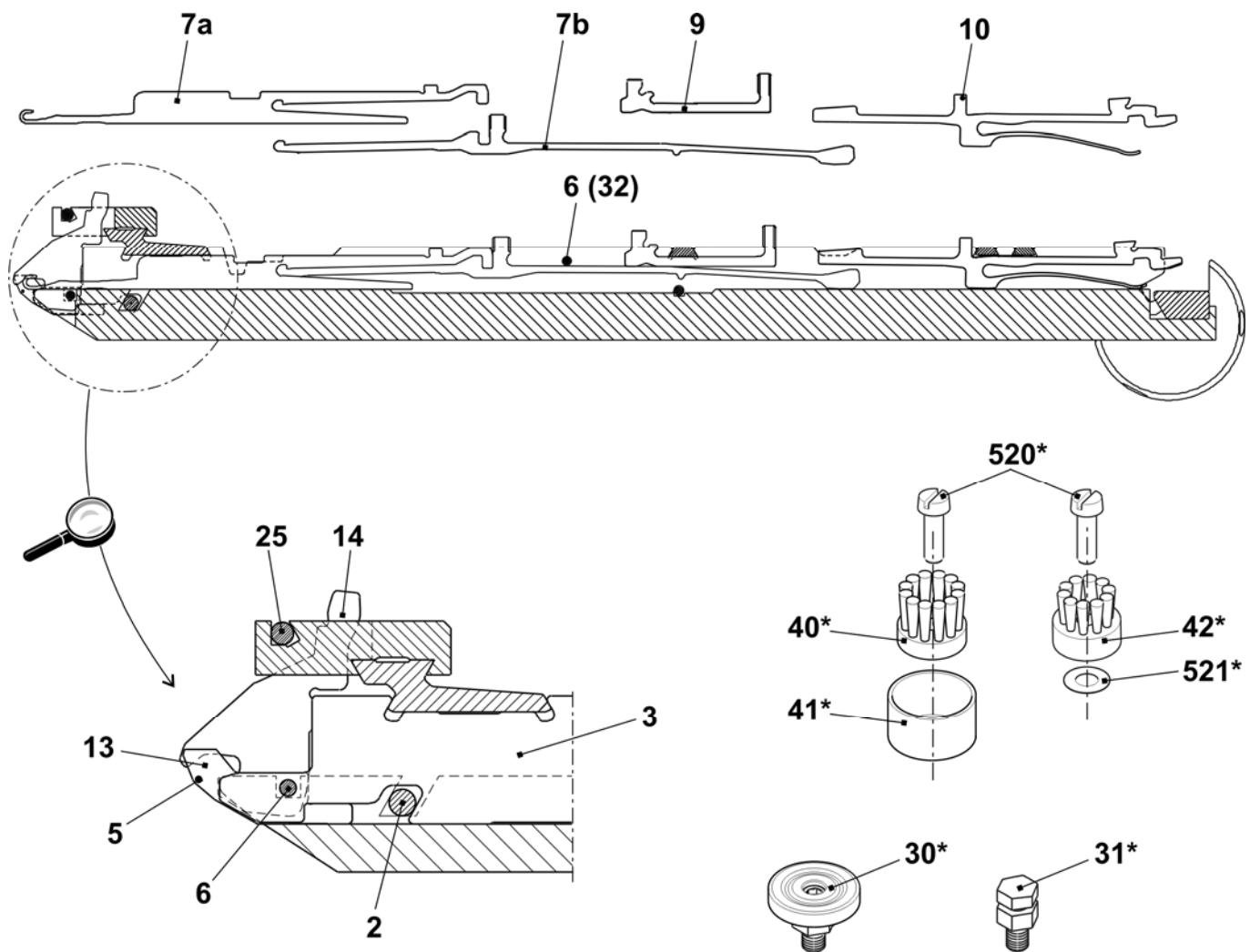
Needle bed E7.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front + rear E7.2	253 747			
1	Needle bed at the front + rear E14	253 742	29	Cap screw 5x12	209 484
4	Pressure bar	211 009	31	Cover rail at the rear	210 979
6	Spring steel wire ø2.0	251 095	32	Spring steel wire ø2.0	210 973
11	Holding-down jack bed at the front E7.2 MG	240 176	502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E7.2 MG	240 177	503	Cap screw M6x14	022 658
15	Limiters on the left E10-14	205 764	505	Cap screw M5x8	023 379
16	Limiters on the right E10-14	205 765	506	Cap screw M5x12-8.8	022 943
17	Needle rail on the left	205 311	507	Cap screw M5x22	023 193
18	Needle rail on the right	205 312	509	Set screw M3.5x3-1	020 512
19	Needle rail	210 977	511	Set screw I6x12-45	022 400
20	Cover rail at the front E14	210 987	512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978	513	Sprung thrust piece B-M10	023 177
22	Cover rail	210 980	514	Shim 0.05x18.5x34	023 196
26	Support	206 352	515	Shim 0.1x18.5x34	023 197
27	Bush	206 090	516	Shim 0.2x18.5x34	023 253



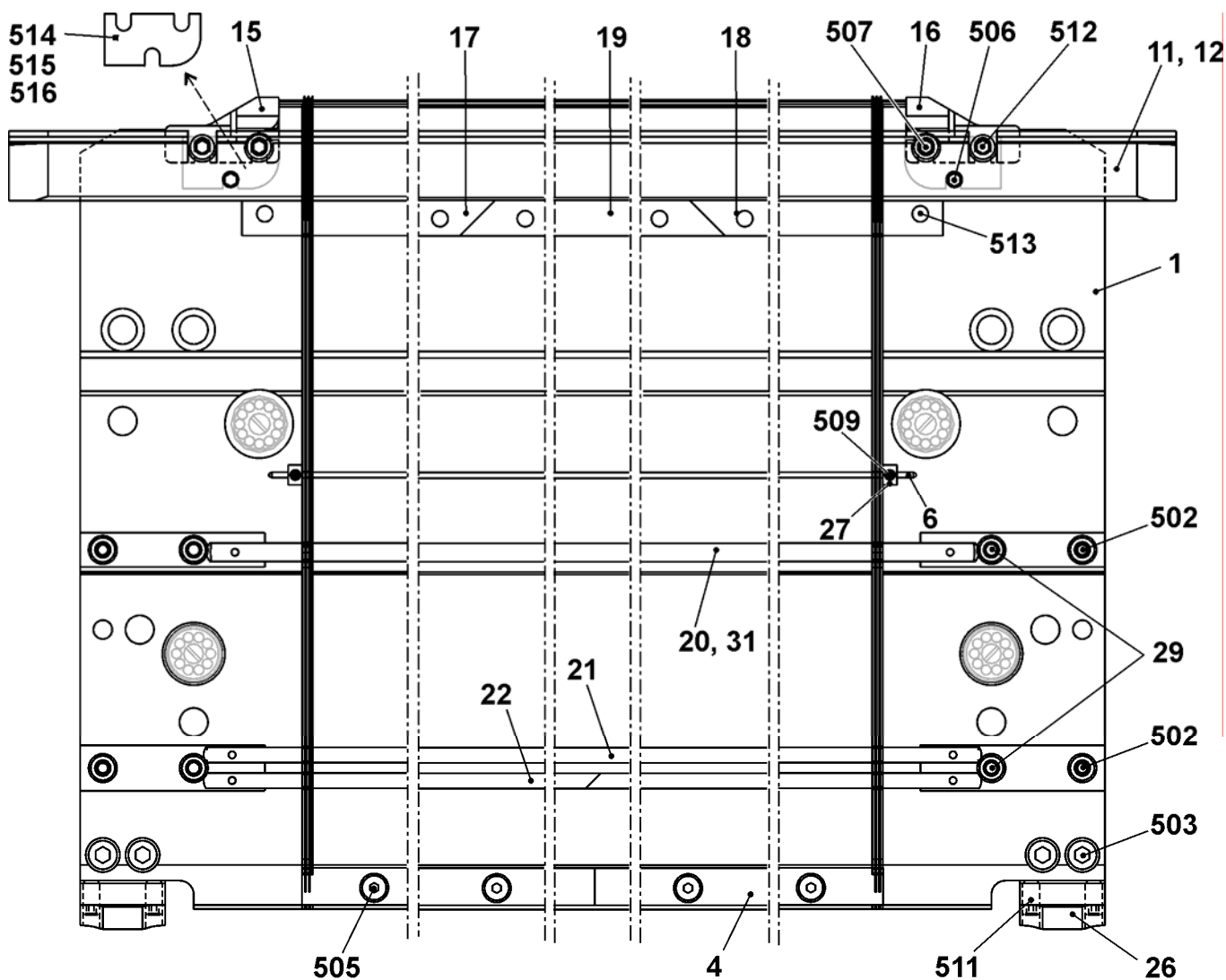
Continuation needle bed E7.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear	253 747	14	Holding-down jack trick wall E14	235 262
2	Fixed wire $\varnothing 3.4$	210 975	25	Fixed wire $\varnothing 2.8$	210 974
3	Main trick wall E14	252 629	32	Spring steel wire $\varnothing 2.0$	210 973
5	Spring steel wire $\varnothing 0.6$	210 969	30*	Adjusting piece	206 375
6	Spring steel wire $\varnothing 2.0$	251 095	31*	Set screw co.	207 712
7a	Needle 7.2	225 230	40*	Disk brush	235 612
7b	Coupling part E14	209 633	41*	Container disk brush	233 012
9	Intermediate slider with brake E14	237 373	42*	Disk brush	202 600
10	Selection jack with spring E14	224 725	520*	Cap screw M5x12	020 032
13	Knock-over bit E14	209 649	521*	Adjusting washer P6x12x03	023 540



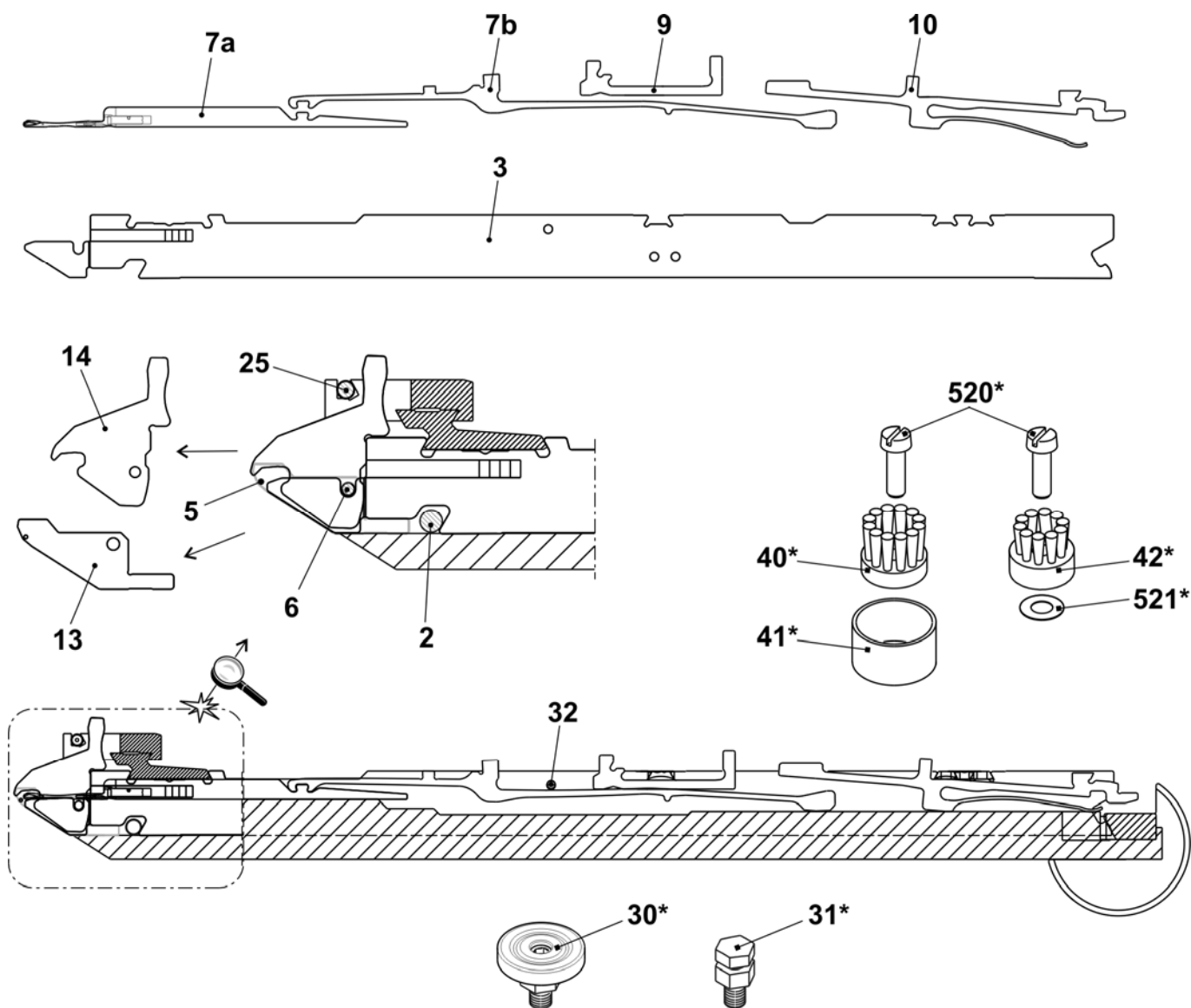
Needle bed E8.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E8.2	251 125			
1	Needle bed at the front rear E16	251 087	27	Bush	206 090
4	Pressure bar	211 009	29	Cap screw 5x12	209 484
6	Spring steel wire ø2.0	251 095	31	Cover rail at the rear	210 979
11	Holding-down jack bed at the front E16	244 566	502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E16	244 568	503	Cap screw M6x14	022 658
15	Limiter on the left E16-E20	220 821	505	Cap screw M5x8	023 379
16	Limiter on the right E16-E20	220 822	506	Cap screw M5x12	022 943
17	Needle rail on the left	205 311	507	Cap screw M5x22	023 193
18	Needle rail on the right	205 312	509	Set screw M3.5x3	020 512
19	Needle rail	210 977	511	Set screw M6x12	022 400
20	Cover rail at the front E16	244 597	513	Sprung thrust piece B-M10	023 177
21	Cover rail	210 978	514	Shim 0.05x18.5x34	023 196
22	Cover rail	210 980	515	Shim 0.1x18.5x34	023 197
26	Support	206 352	516	Shim 0.2x18.5x34	023 253



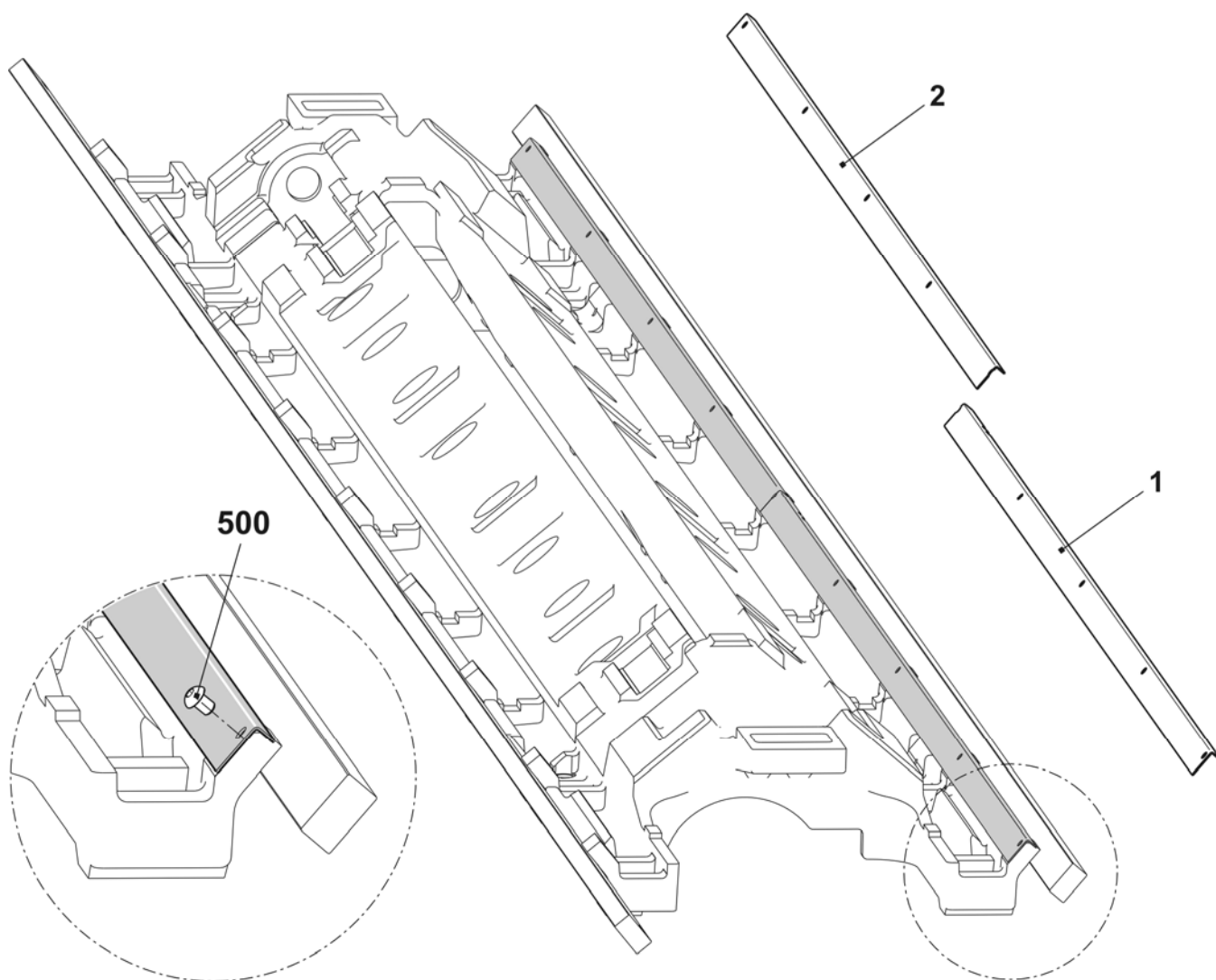
Continuation needle bed E8.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed co. at the front and rear E8.2	251 125			
2	Fixed wire ø3.4	210 975	25	Fixed wire ø2,8 E16 + E18	244 587
3	Main trick wall E16	245 319	32	Spring steel wire ø2.0	210 973
5	Spring steel wire Ø0.5	244 585	30*	Adjusting piece	206 375
7a	Needle E18/14	240 026	31*	Set screw co.	207 712
7b	Coupling part E16-20	220 382	40*	Disk brush	235 612
9	Intermediate slider E16	239 271	41*	Container disk brush	233 012
10	Selection jack with spring E16	224 326	42*	Plate brush ø12	202 600
13	Knock-over bit E16	222 503	520*	Cap screw M5x12	020 032
14	Holding-down jack E16	222 504	521*	Adjusting washer P6x12x0.3	023 540

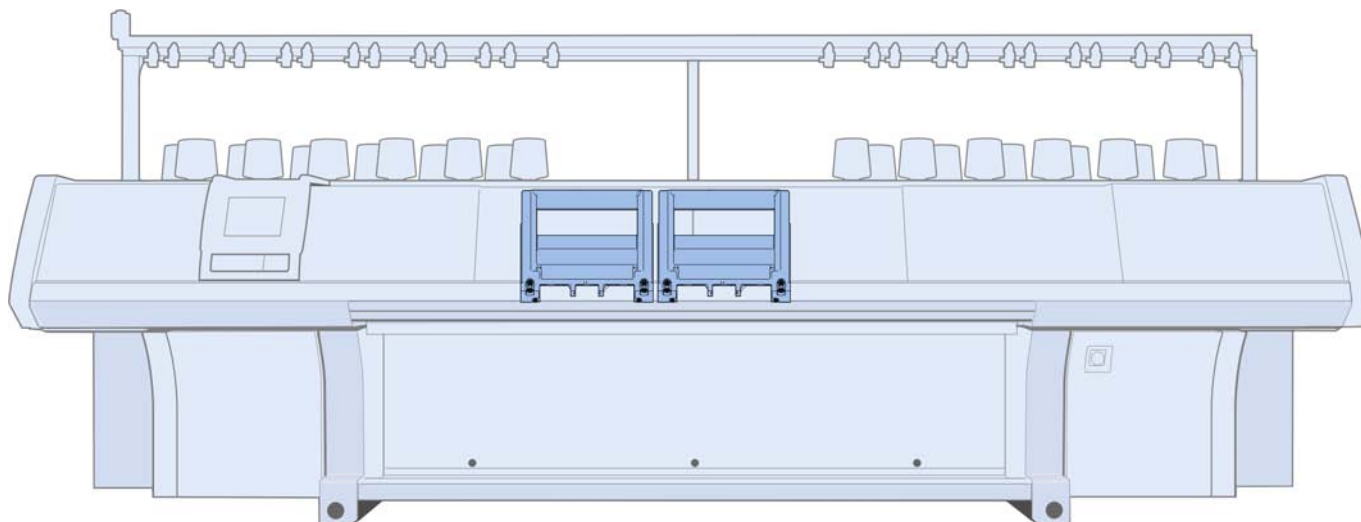


Cover on the left and on the right

Pos	Designation	ID	Pos	Designation	ID
1	Cover on the left	242 253	500	Countersunk screw M8x10	241 930
2	Cover on the right	242 254			

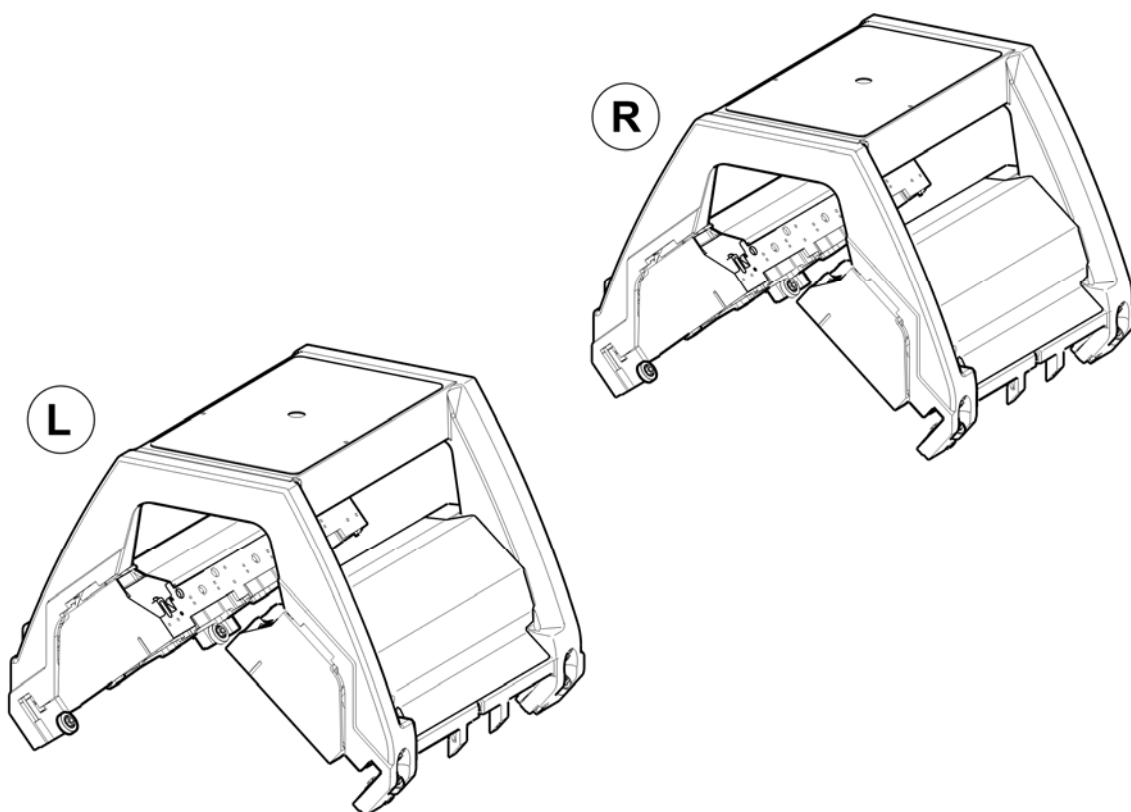


Tandem carriage



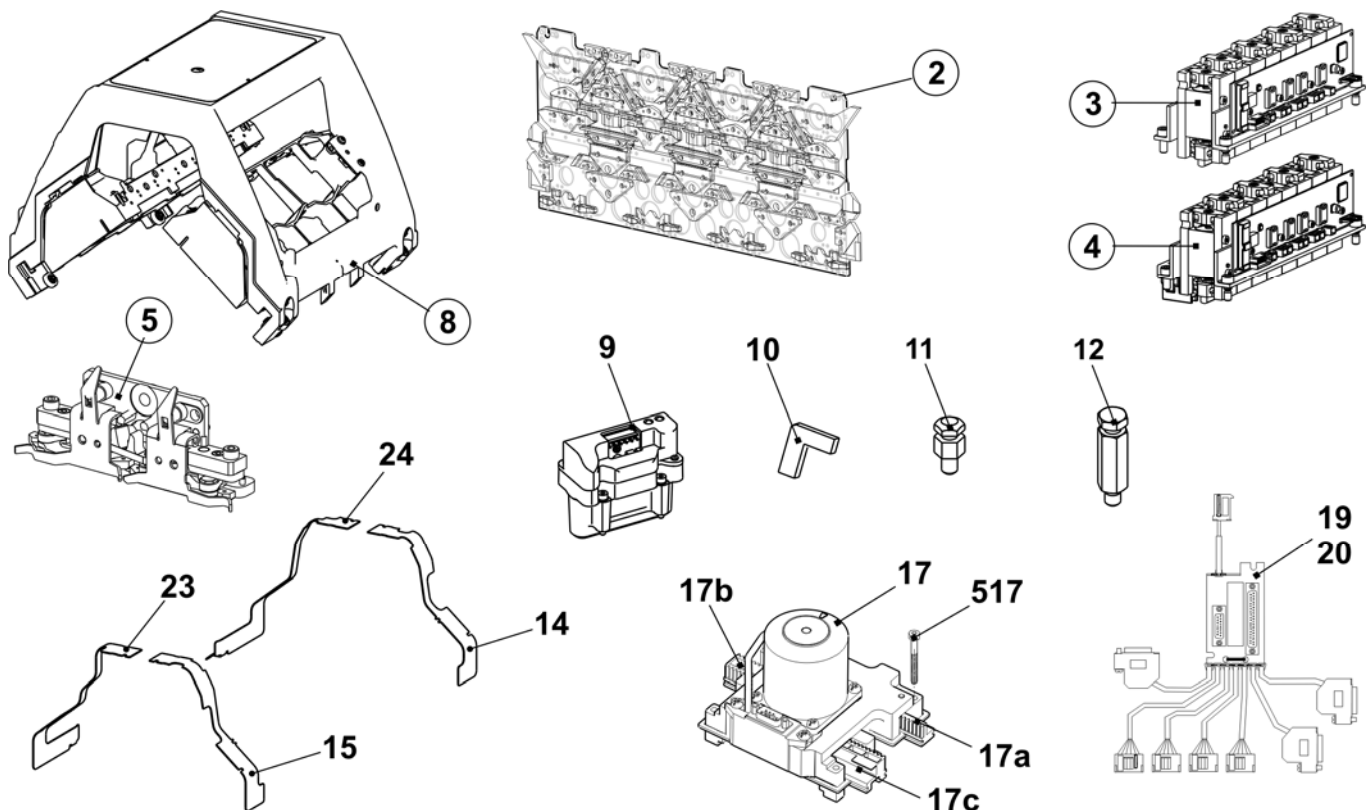
Complete Carriage

Pos	Designation	ID	Pos	Designation	ID
Σ L	Carriage left co.		Σ R	Carriage right co.	
	E5 + E5m.4 + E7m.5 + E3,5.2	244 465		E5 + E5m.4 + E7m.5 + E3,5.2	244 466
	E7 + E8 + E7m.8 + E8m.7	243 884		E7 + E8 + E7m.8 + E8m.7	243 885
	E10	244 744		E10	244 745
	E12	243 904		E12	243 905
	E14	242 952		E14	242 953
	E16	244 754		E16	244 755
	E10m.12	244 746		E10m.12	244 747
	E12m.10	244 748		E12m.10	244 749
	E5.2	244 773		E5.2	244 774
	E6.2	244 775		E6.2	244 776
	E7.2	244 777		E7.2	244 778
	E8.2	244 779		E8.2	244 780



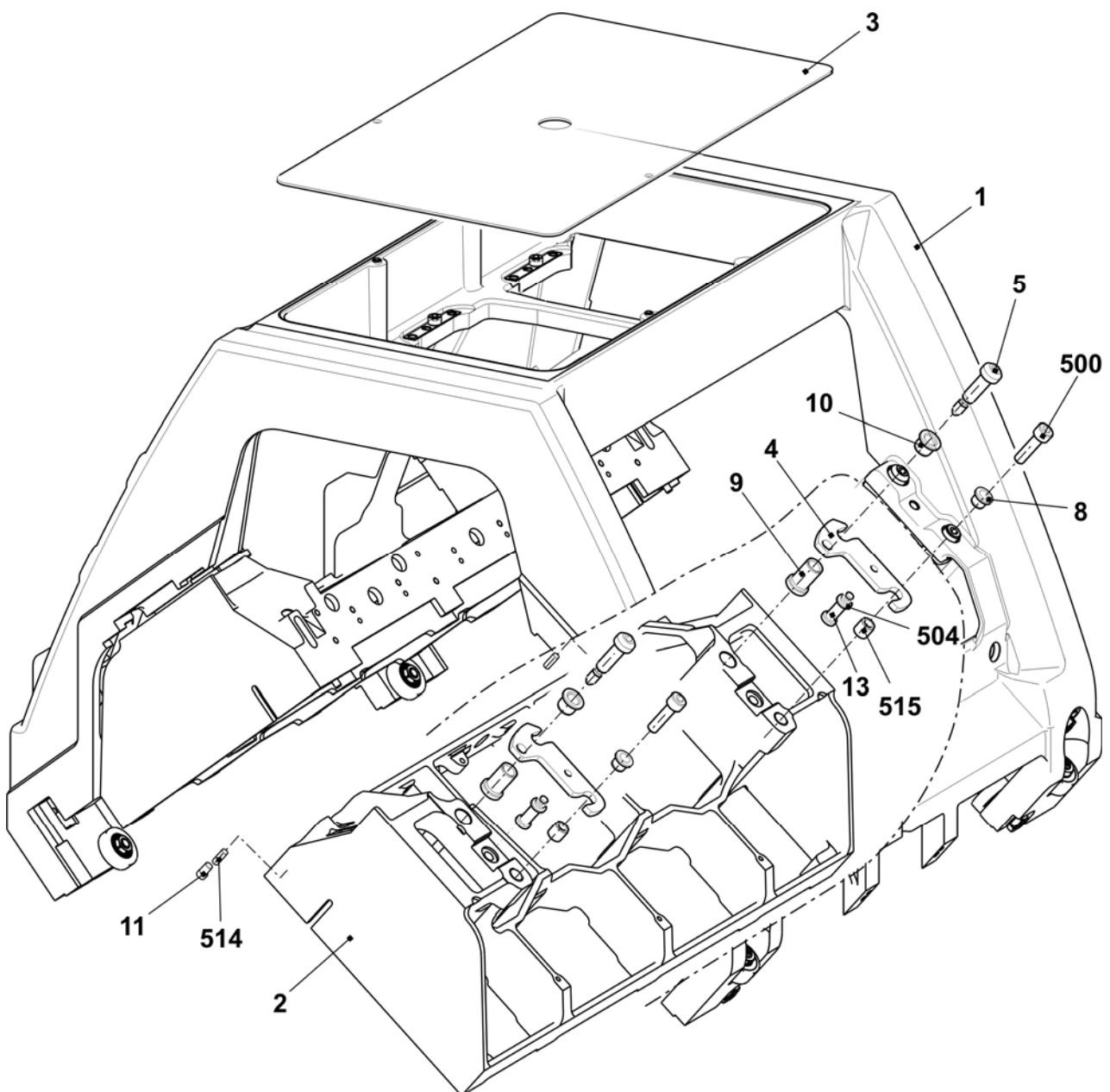
Overview of Carriage Parts

Pos	Designation	ID	Pos	Designation	ID
2	Cam box set co.		5	Holding-down jack control co. E16 + E8.2	250 250
	E5 + E5m.4 + E7m.5 + E3,5.2 + E5.2	244 467	8	Carriage assembly 3 cam boxes on the left co.	251 367
	E7 + E8 + E7m.8 + E8m.7	243 883		Carriage assembly 3 cam boxes on the right co.	251 368
	E10 on the left	244 742	9	Selection system co.	
	E10 on the right	244 743		E2 - E8 + E5m.4 + E7m.5 + E3,5.2 + E7m.8 + E8m.7	216 218
	E12 on the left	243 906		E10 + E12 + E5.2 + E6.2 + E10m.12 + E12m.10	216 219
	E12 on the right	243 907		E14 + E7.2	229 300
	E14	242 962		E16 + E8.2	220 114
	E16	244 622	10	Wiper (felt)	241 411
	E6.2	244 615	11	Bolt	212 392
	E7.2	244 618	12	Bolt	243 171
	E8.2	244 625	14	Cover plate on the right	250 275
	E10m.12 on the left	244 750	15	Cover plate on the left	250 274
	E10m.12 on the right	244 751	17	Motor unit co.	211 017
	E12m.10 on the left	244 752		17a Gear rack at the top	209 781
	E12m.10 on the right	244 753		17b Gear rack in the middle	209 782
3	YC driving outside co.	241 080		17c Gear rack at the bottom	209 783
4	YC driving in the middle co.	241 081		517 Screw M4x12	023 367
5	Holding-down jack control co.		19	Distributor at the rear on the left 933 OKC	242 755
	E5 + E7 + E8 + E7m.8 + E8m.7 + E5m.4 + E7m.5 + E3,5.2 + E5.2	241 515	20	Distributor at the front on the left 933 OKC	242 756
	E10 + E10m.12	241 516	23	Guide plate at the rear on the left	245 325
	E12 + E14 + E6.2 + E7.2 + E12m.10	241 517	24	Guide plate at the rear on the right	245 326



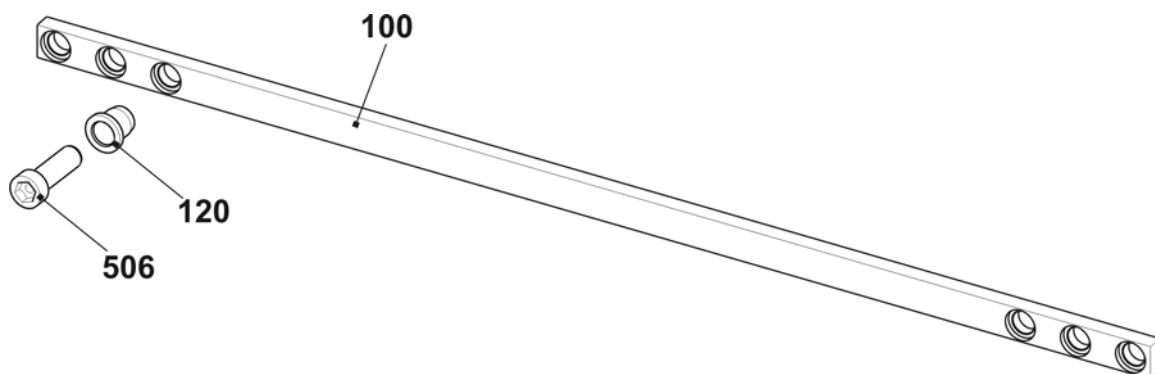
Carriage assembly

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage assembly 3 cam boxes on the left co.	251 367	9	Bush	209 275
	Carriage assembly 3 cam boxes on the left co.	251 368	10	Bush	209 274
1	Carriage frame, 3 cam boxes	240 660	11	Eccentric	222 983
2	Carriage part, 3 cam boxes	240 695	13	Fixing bolt linking spot	244 179
3	Carriage cover at the top, 3 cam boxes	251 194	500	Cap screw M8X30	020 143
4	Shim	225 312	504	Circlip 6	021 022
5	Shoulder screw	211 750	514	Setting pin 5x14	020 670
8	Bush	207 546	515	Threaded bushing M12x11.5	041 863



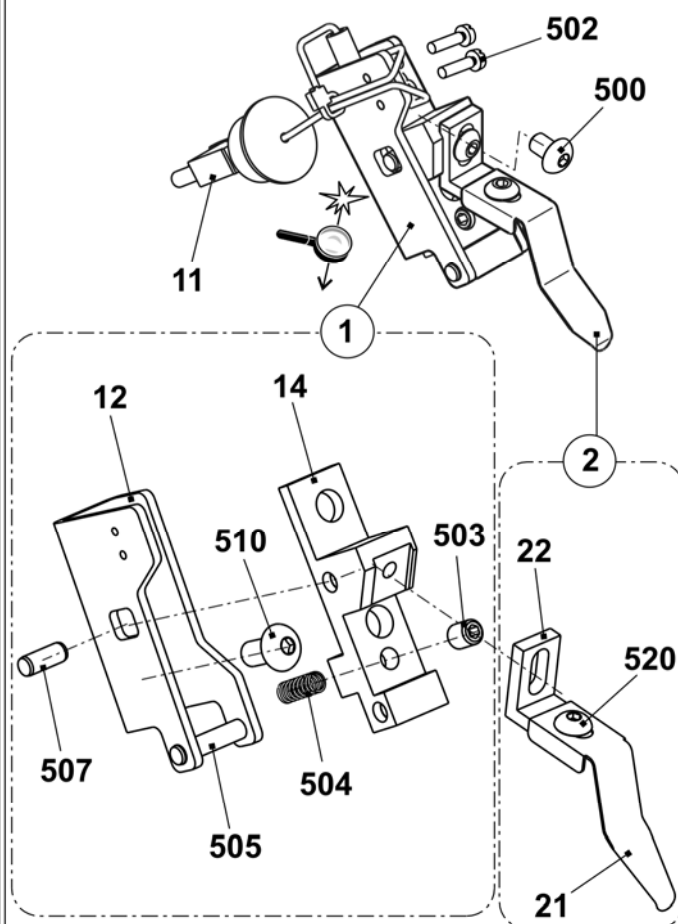
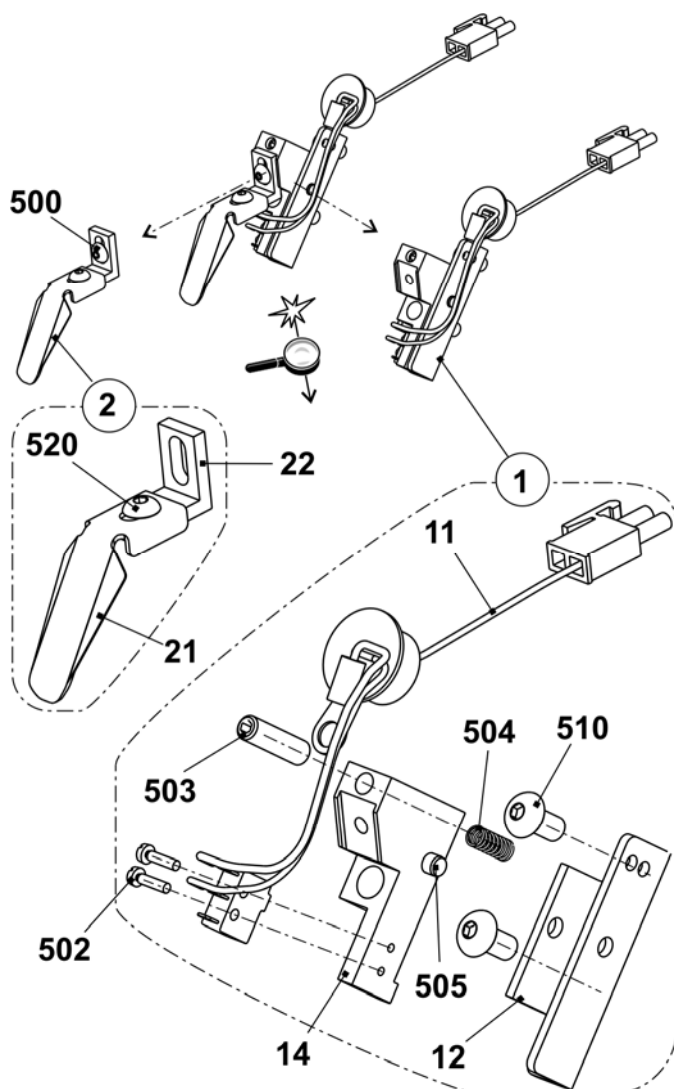
Carriage coupling

Pos	Designation	ID	Pos	Designation	ID
100	Connecting rod	225 128	506	Cap screw M16x45	023 366
120	Sleeve	225 600			



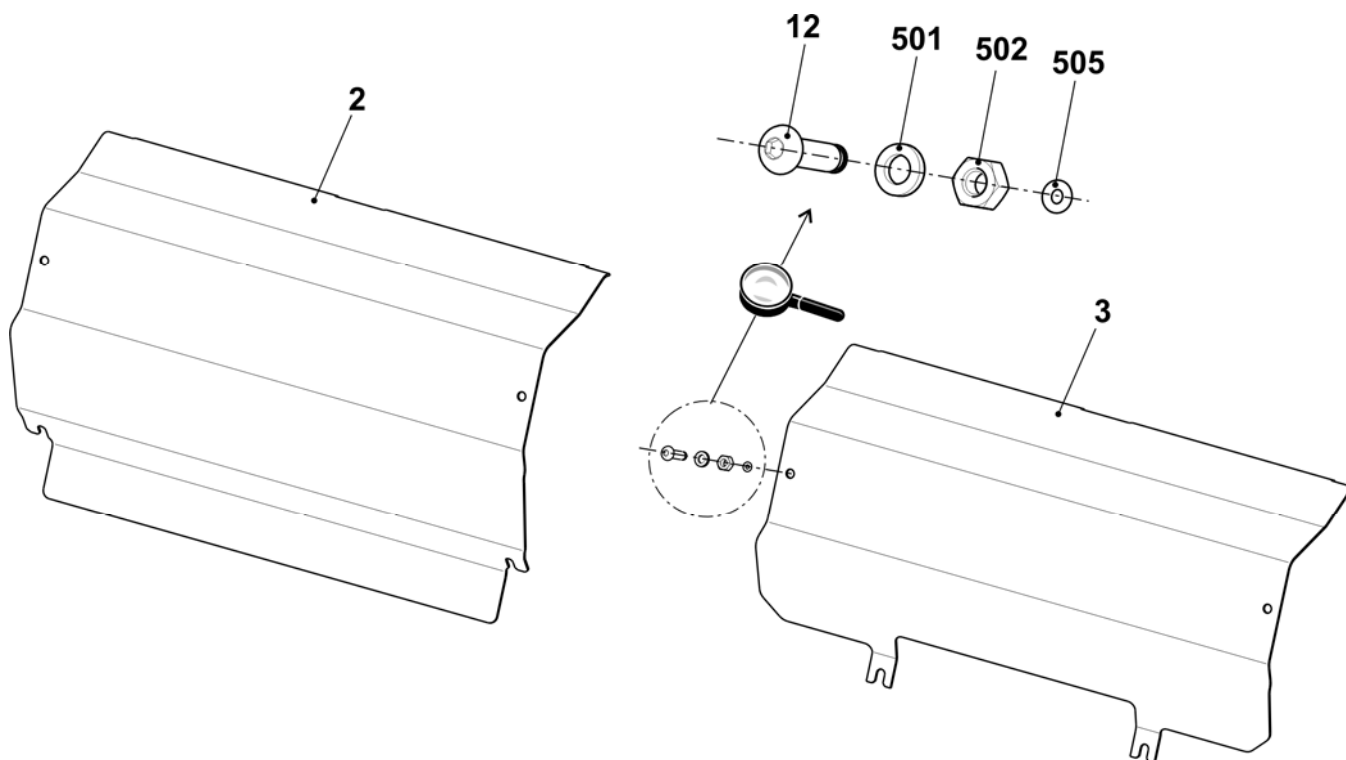
Needle detector

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle detector E5 + E7 + E8 + E10 + E12 + E14 E2,5.2 + E5.2 + E6.2 + E7.2 + E6.2(12m.10) + E5m.4 + E7m.5 + E7m.8 + E8m.7 + E10m.12 + E14/12 + E12m.10	221 238	Σ	Needle detector E16 + E18 E8.2 + E9.2	239 321
1	Needle detector pre-assembled	221 773	1	Needle detector pre-assembled E16-18	238 929
11	Cable of needle detector co.	221 207	11	Cable of needle detector co. E16-18	239 319
12	Retainer	220 464	12	Retainer E16-18	238 824
14	Switch rocker	220 637	14	Switch rocker E16-18	238 823
510	Countersunk screw M5x10	023 247	510	Countersunk screw M5x10	023 247
502	Cap screw M2x8	022 954	502	Cap screw M2x8	022 954
503	Set screw M5x20-45	023 526	503	Set screw M5x8-45H	022 809
504	Compression spring 4.3x0.45x10	021 398	504	Compression spring 4.3x0.45x10	021 398
505	Dowel pin 4x18	023 525	505	Dowel pin 4x20-A-St	239 316
			507	Dowel pin 4x10-A-St	023 753
2	Sensor pre-assembled	221 758	2	Sensor pre-assembled E16-18	239 324
21	Sensor	220 839	21	Sensor E16-20	238 658
22	Angle	221 175	22	Angle	221 175
520	Countersunk screw M4x6	023 427	520	Countersunk screw M4x6	023 427
500	Countersunk screw M4x6	023 427	500	Countersunk screw M4x6	023 427



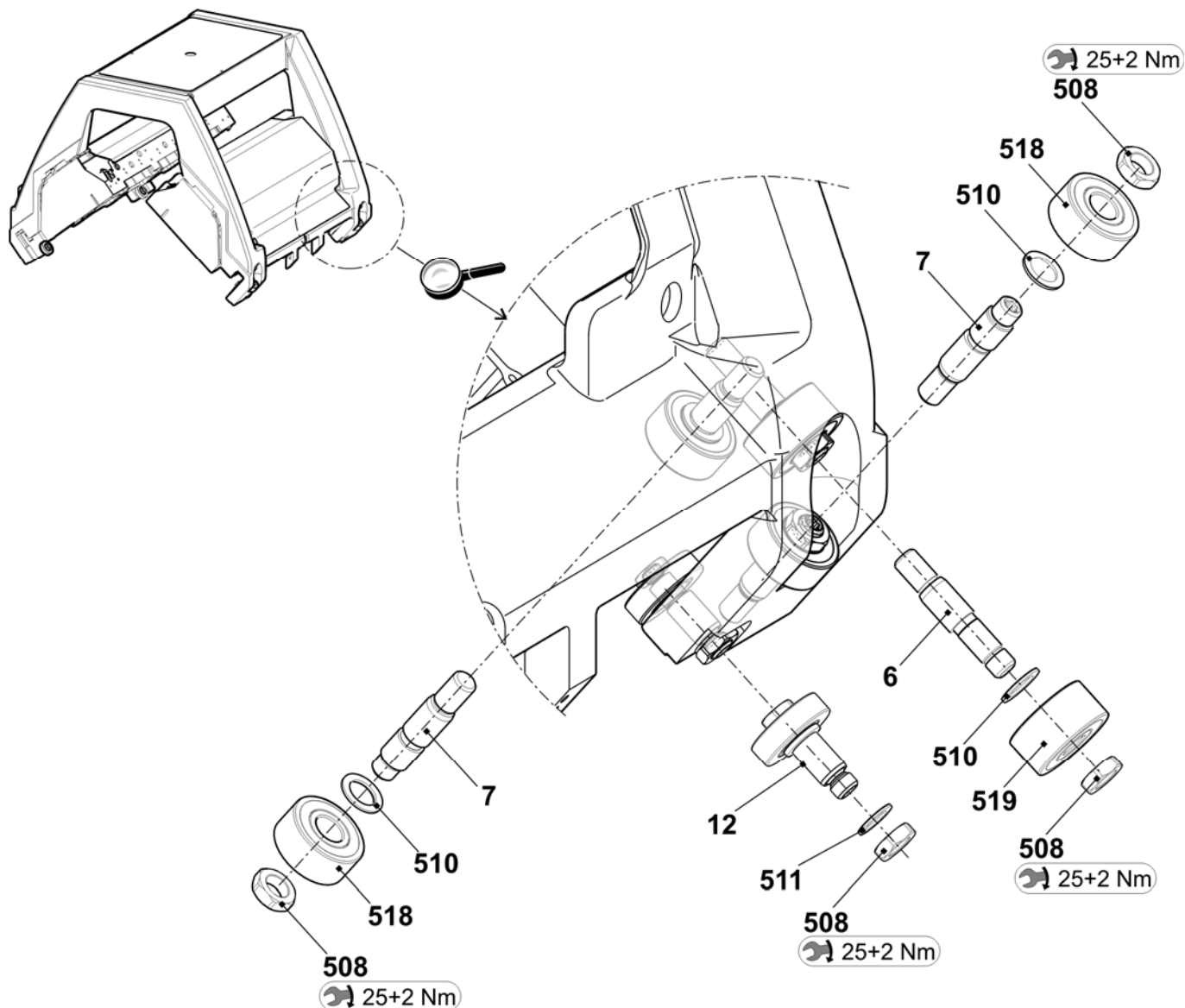
Carriage cover

Pos	Designation	ID	Pos	Designation	ID
2	Carriage cover front 3 cam boxes	251 199	501	Serrated lock washer 6.4	022 385
3	Carriage cover at the rear 3 cam boxes	251 200	502	Hexagon nut M6	022 899
12	Fixing bolt	242 382	505	O-ring 3x2	242 420



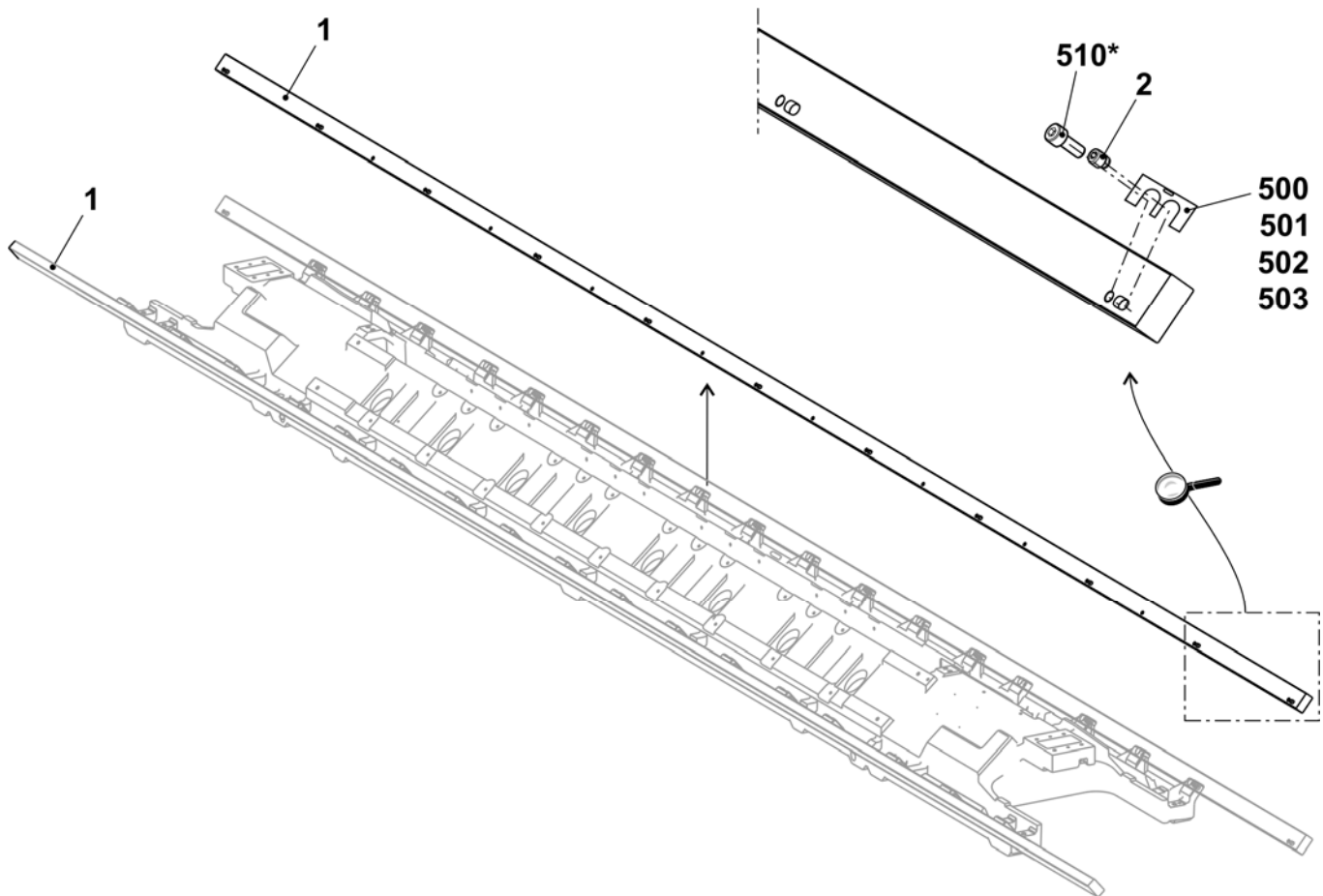
Carriage guide

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



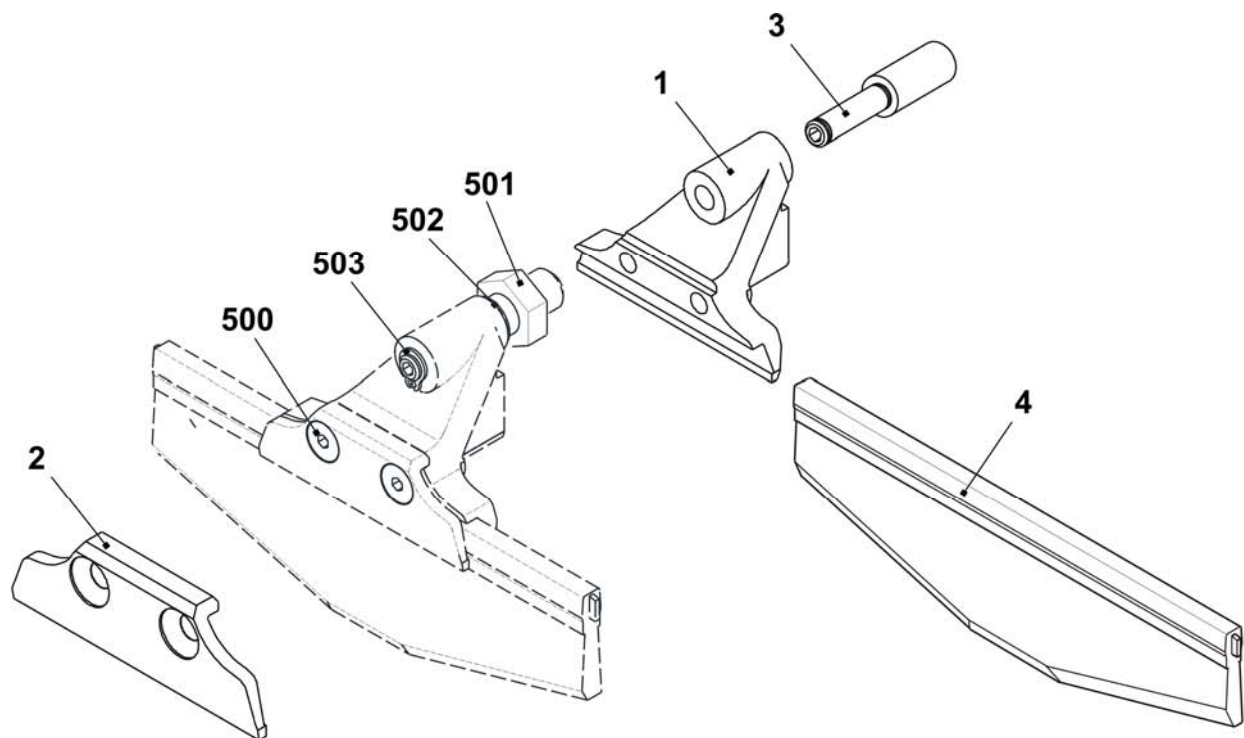
Spare parts package carriage guide bar

Pos	Designation	ID	Pos	Designation	ID
Σ	Spare parts package carriage guide bar 933	252 990	501	Shim 0.05x22x42	243 291
1	Carriage guide bar	242 051	502	Shim 0.10x22x42	243 292
2	Adjusting eccentric	241 219	503	Shim 0.20x22x42	243 293
500	Shim 0.03x22x42	243 289	510*	Cap screw M8X20	020 141



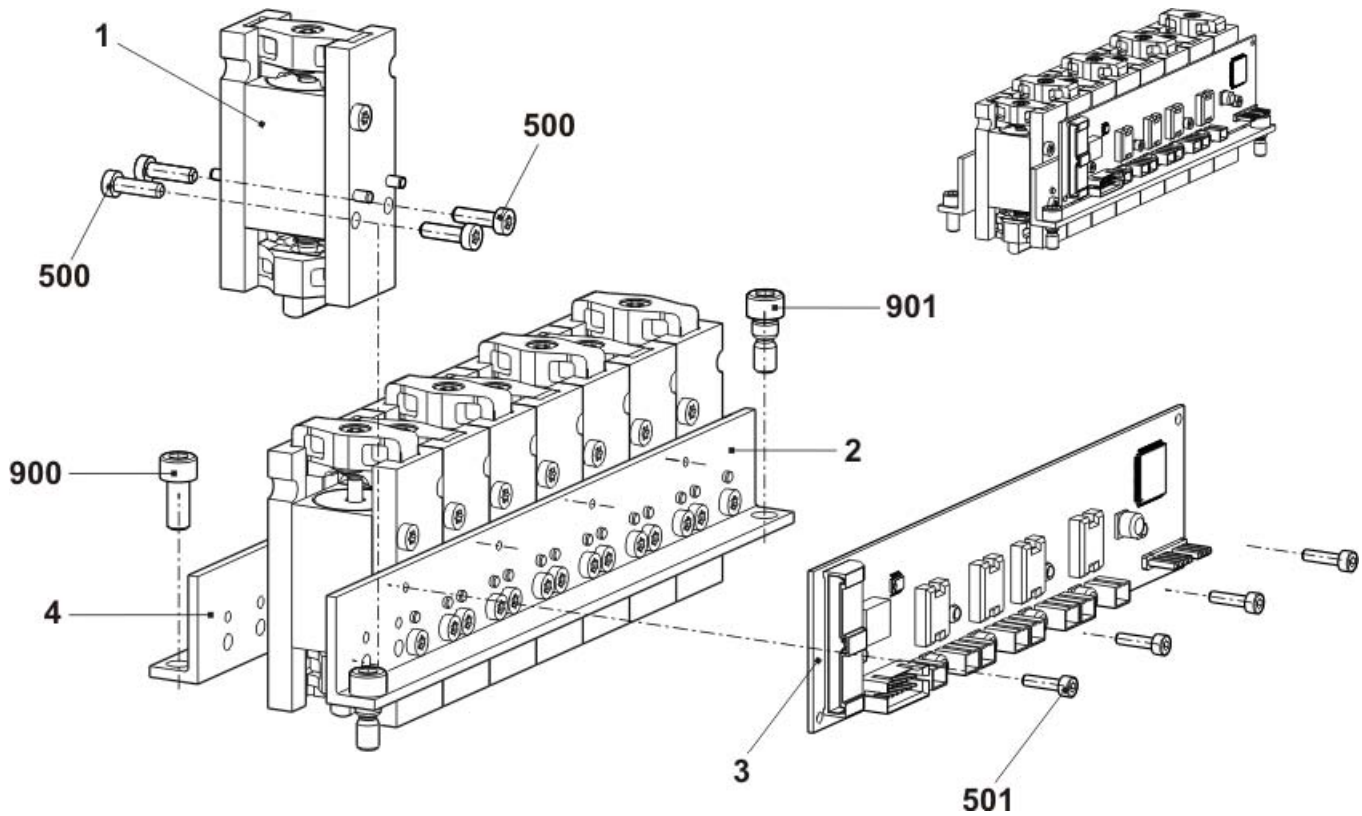
Brush holder

Pos	Designation	ID	Pos	Designation	ID
Σ	Brush holder co.		4	Brush	
	E5 - E8 + E3,5.2 + E5.2 + E6.2	213 710		E5 - E8 + E3,5.2 + E5.2 + E6.2	203 254
	E5m.4 + E7m.5 + E7m.8 + E8m.7			E5m.4 + E7m.5 + E7m.8 + E8m.7	
	E10 - E14 + E7.2	213 711		E10 - E14 + E7.2	212 854
	E10m.12 + E12m.10			E10m.12 + E12m.10	
	E16 + E18 + E8.2 + E9.2	223 185		E16 + E18 + E8.2 + E9.2	224 822
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



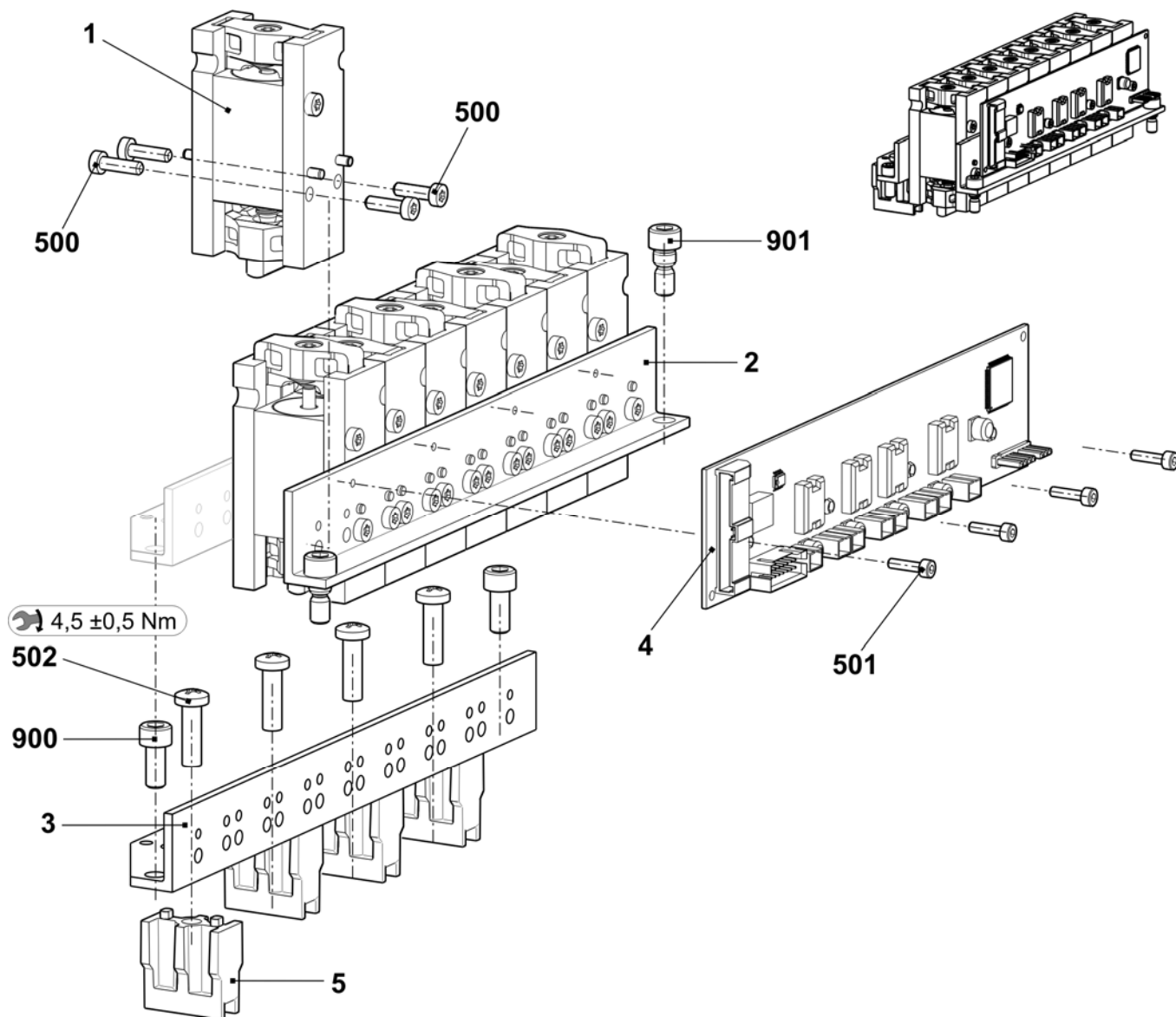
Yarn carrier driving without guiding part

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



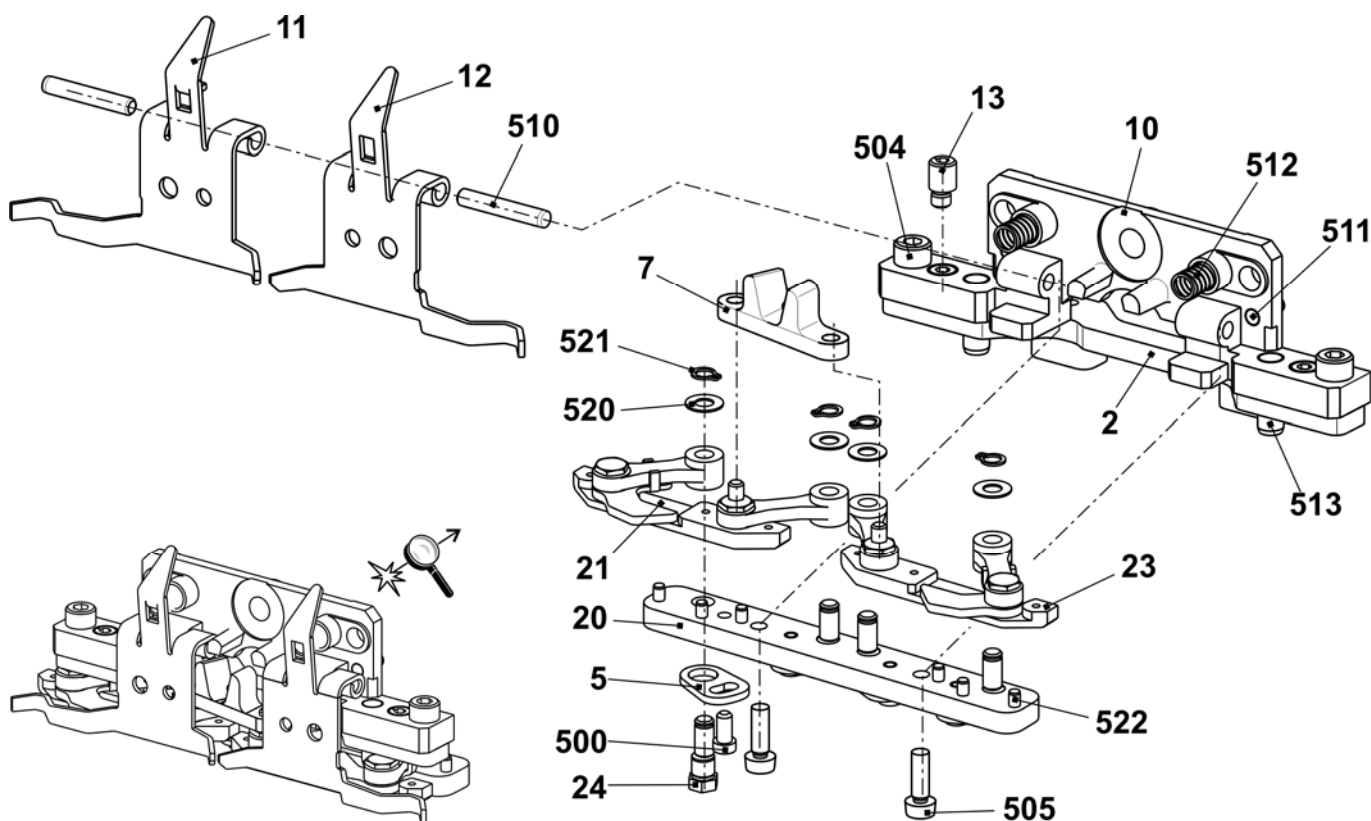
Yarn carrier driving with guiding part

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



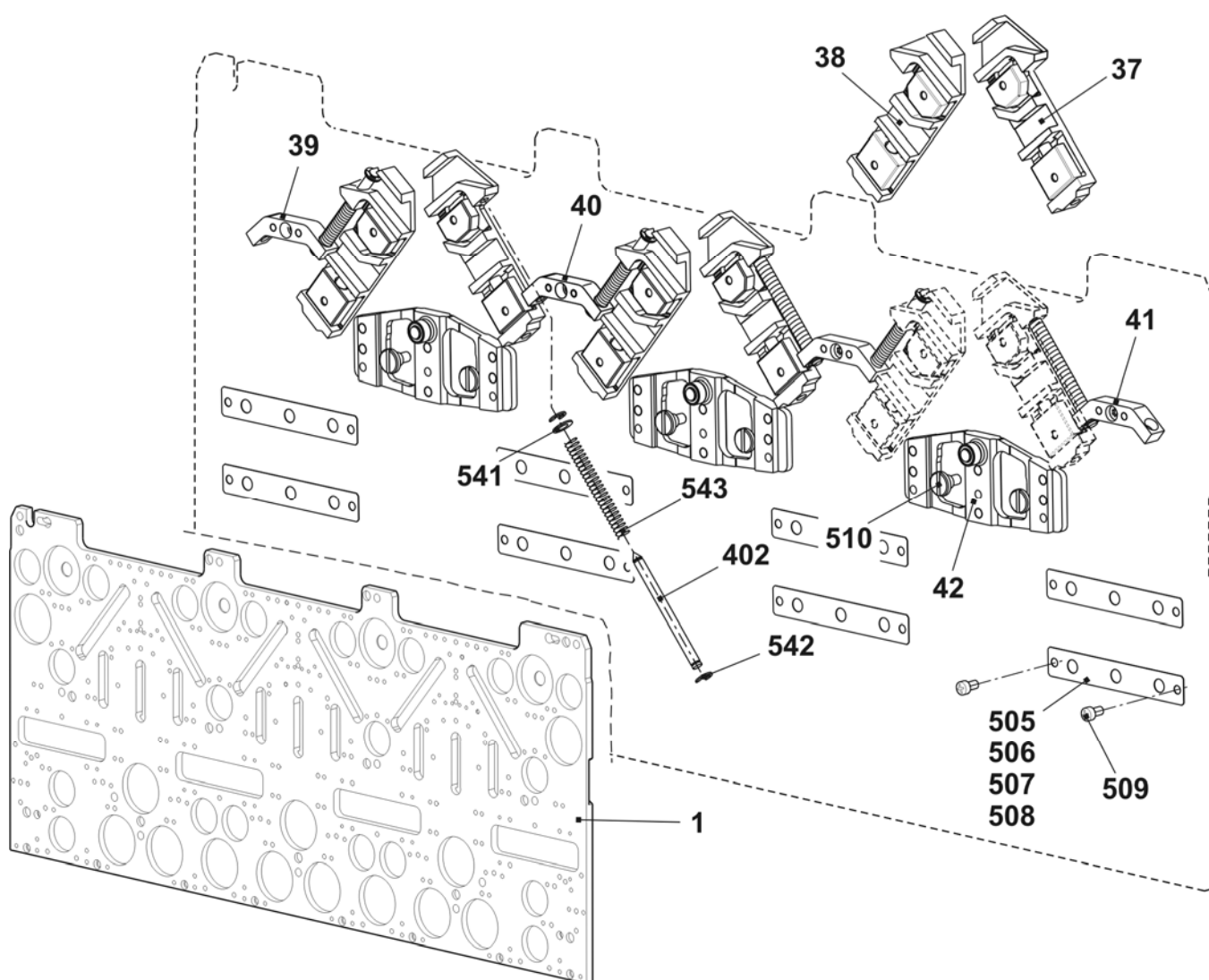
Holding-down jack control

Pos	Designation	ID	Pos	Designation	ID
Σ	Holding-down jack control co.		23	Slider on the left co.	
	E5 + E7 + E8 + E3,5.2 + E5.2 + E7m.8 + E8m.7 + E5m.4 + E7m.5	241 515		E5 + E7 + E8 + E3,5.2 + E5.2 + E7m.8 + E8m.7 + E5m.4 + E7m.5	212 611
	E10 + E10m.12	241 516		E10 + E10m.12	213 053
	E12 + E14 + E6.2 + E7.2 + E.2(12m.10)	241 517		E12 + E14 + E6.2 + E7.2 + E.2(12m.10)	213 056
	E16 + E8.2	250 250		E16 + E8.2	250 139
2	Connection plate	241 326	24	Bolt	209 722
5	Adjusting plate	211 507	500	Countersunk screw M4x8	023 579
7	Plunger	210 559	504	Cap screw M5x12	020 132
10	Assembly plate	241 281	505	Cap screw M4x12-5.8	241 859
11	Set-out plate on the right	212 382	510	Setting pin 4x24	020 664
12	Set-out plate on the left	212 396	511	Setting pin 4x10	020 657
13	Eccentric	251 152	512	Compression spring 0.68x5.10x19.00	238 702
20	Holding-down cam plate	241 349	513	Dowel pin 6x18	020 678
21	Slider on the right co.		520	Adjusting washer 5x10x0.5	023 348
	E5 + E7 + E8 + E3,5.2 + E5.2 + E7m.8 + E8m.7 + E5m.4 + E7m.5	212 610	521	Locking ring 5x0.6	023 347
	E10 + E10m.12	212 943			
	E12 + E14 + E6.2 + E7.2 + E.2(12m.10)	213 055	522	Setting pin 3x10	020 645
	E16 + E8.2	250 140			



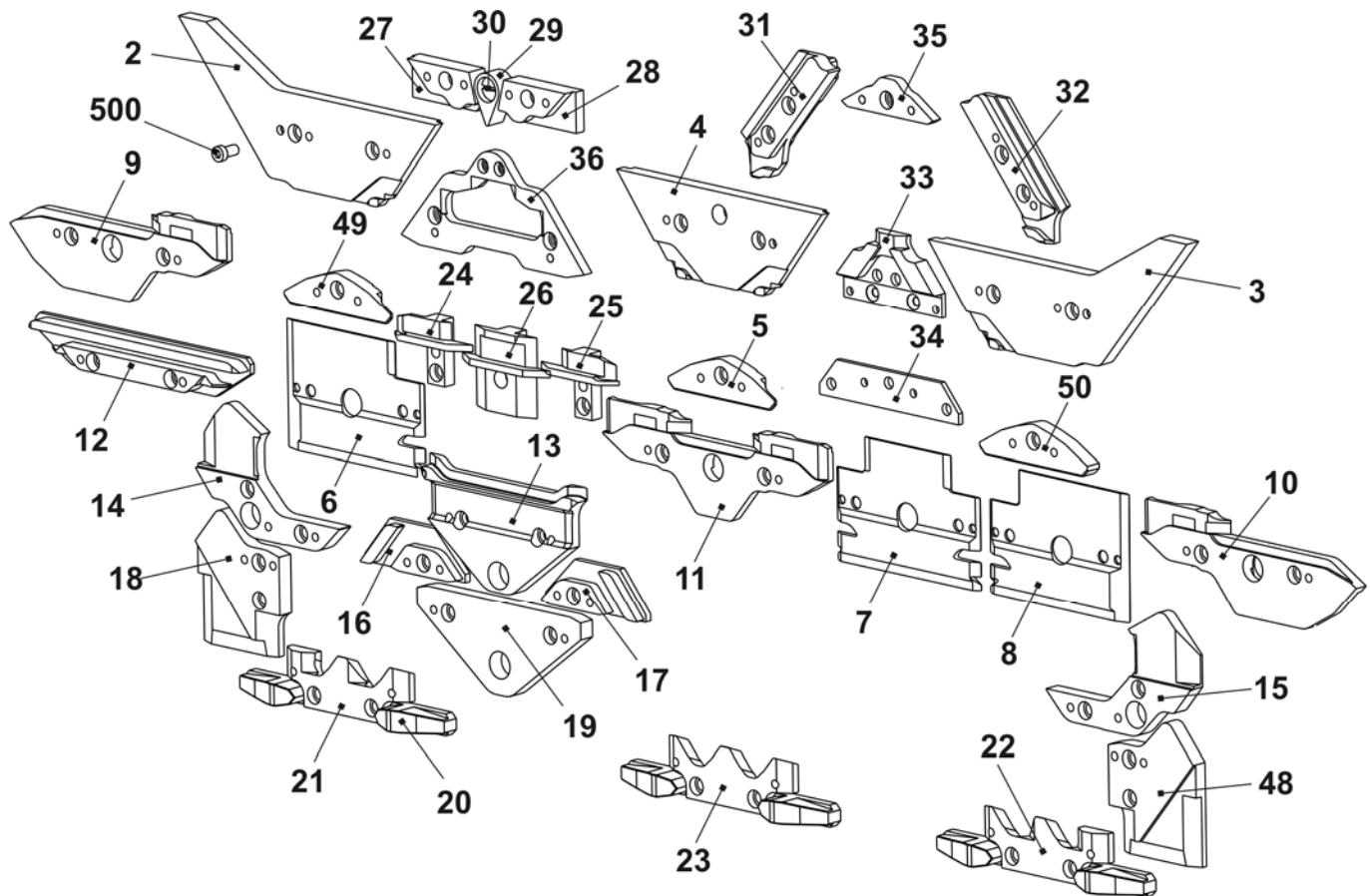
Cam box E5 + E3,5.2 + E5.2 + E5m.4 + E7m.5

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set co. E5	244 467	42	Switching piece	240 281
1	Cam plate	240 371	505	Shim 0.03x12x75	022 828
37	Stitch forming cam on the right co. E5 - E10	211 163	506	Shim 0.05x12x75	022 829
38	Stitch forming cam on the left co. E5 - E10	211 164	507	Shim 0.1x12x75	022 830
39	Rod guide element on the left	211 165	508	Shim 0.2x12x75	022 831
40	Rod guide element in the middle	211 166	509	Countersunk screw M3x4	023 142
41	Rod guide element on the right	211 168	510	Shoulder screw	239 626
402	Spring rod	209 791	Parts at the bottom of the cam box Cams for narrow coupling Cam box set co. contains all parts for both carriage sides		
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



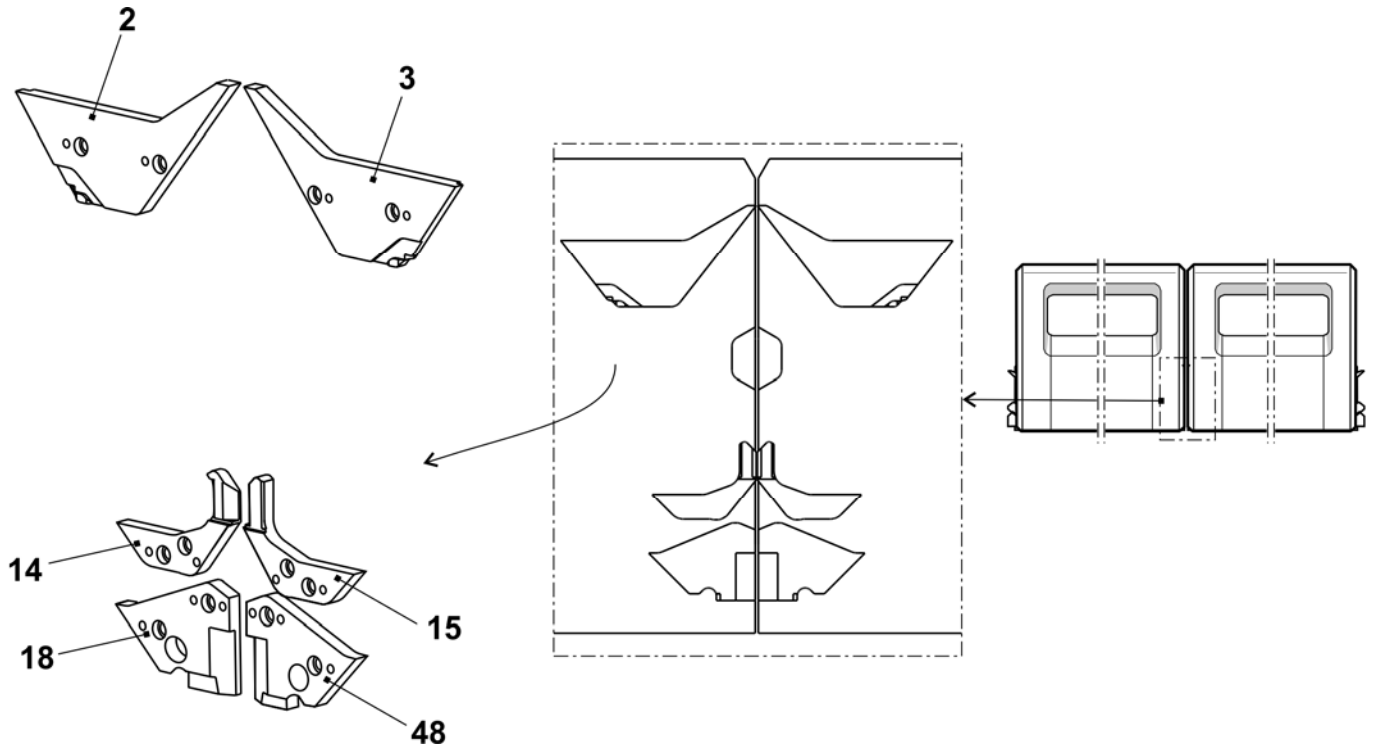
Cams E5 + E2,5.2 + E3,5.2 + E5.2 + E5m.4 + E7m.5

Pos	Designation	ID	Pos	Designation	ID
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



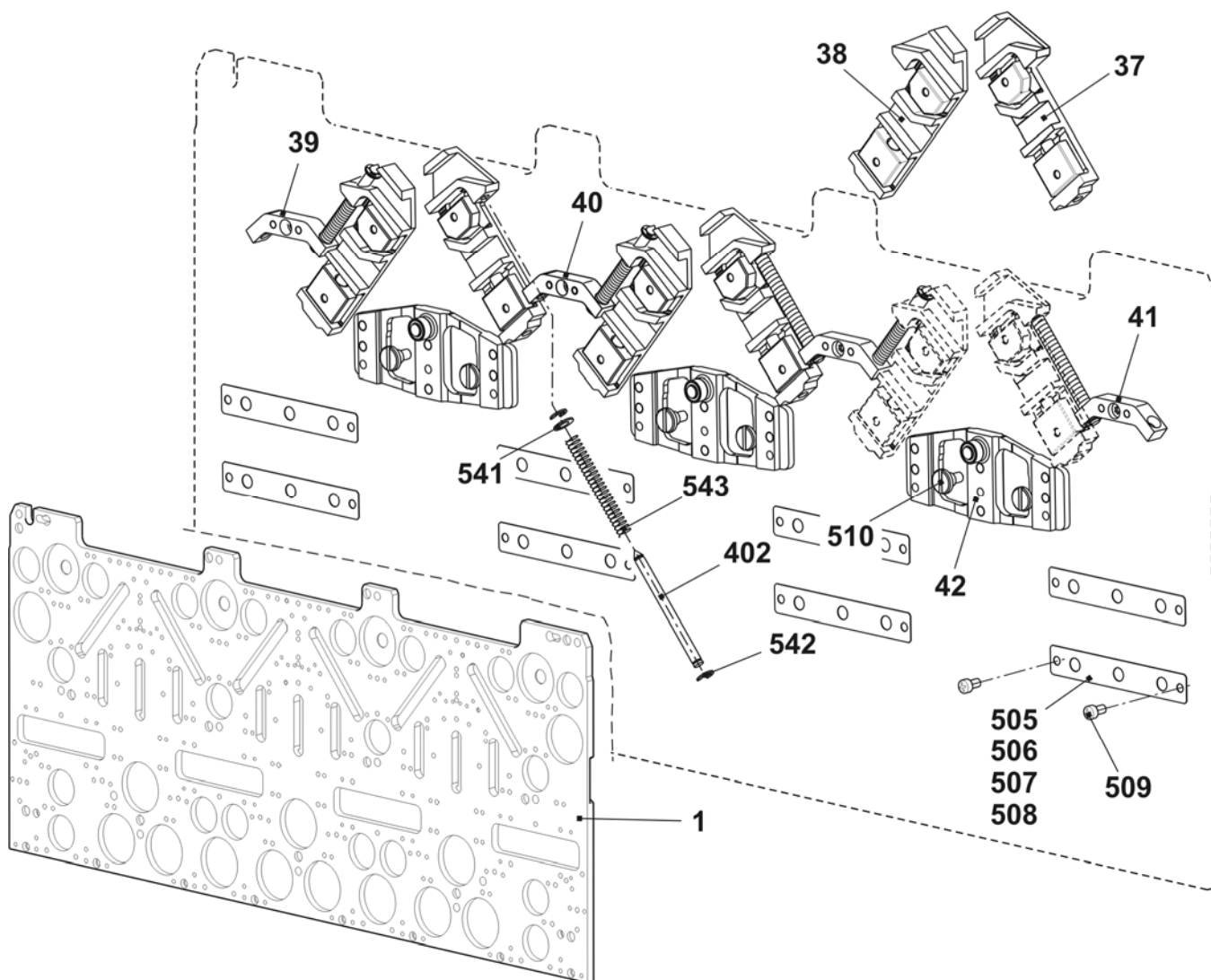
Cams for narrow coupling E5 + E7-8 + E5m.4 + 7m.5 + E7m.8 + E8m.7

Pos	Designation	ID	Pos	Designation	ID
2	Entry cam on the right E5-14	216 220	3	Entry cam on the left E5-14	216 221
14	Cam on the right E5-14	216 168	15	Cam on the left E5-14	216 167
18	Cam on the right	216 166	48	Cam on the left	216 165



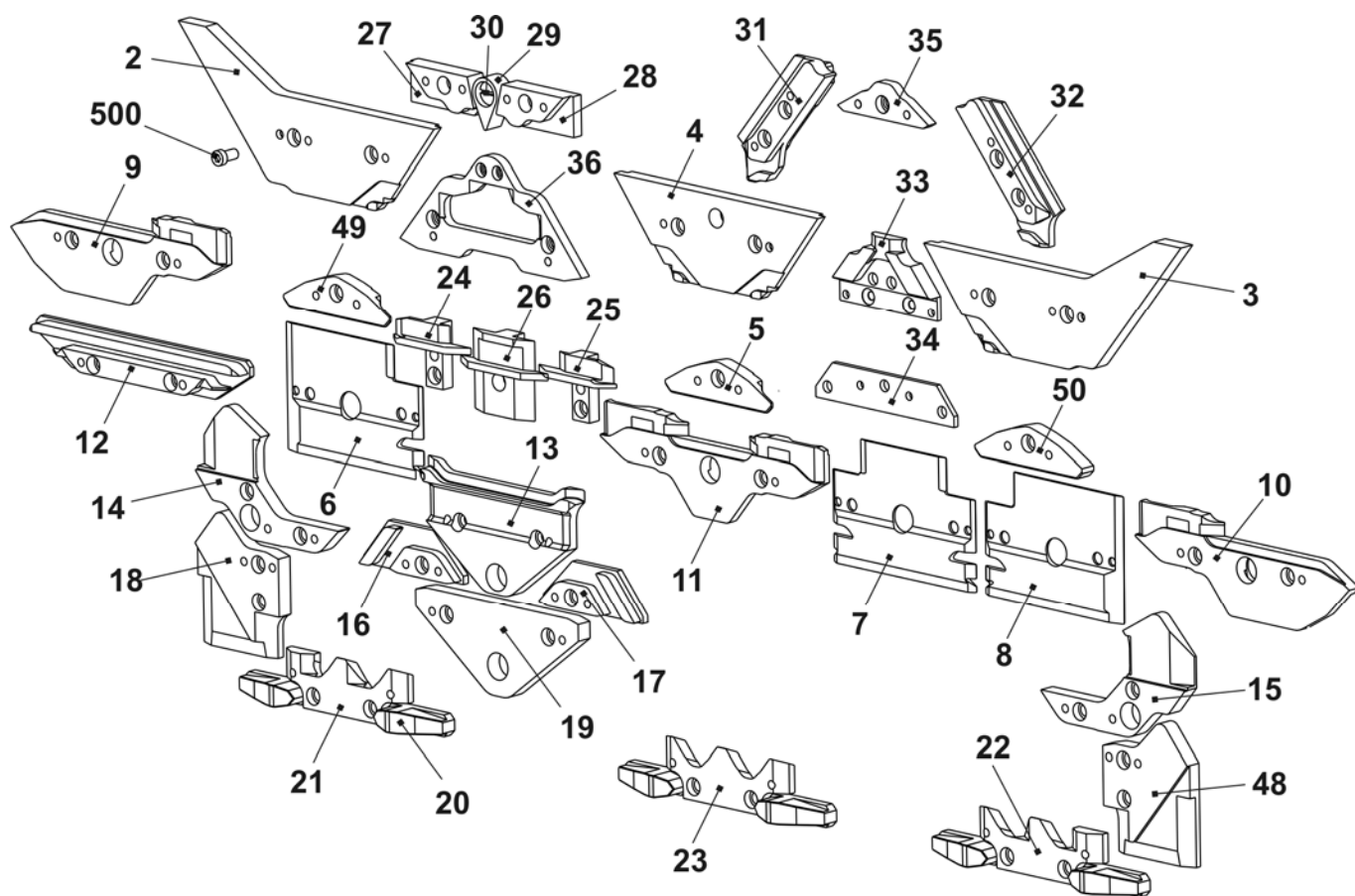
Cam box E7 + E8 + E7m.8 + E8m.7

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set co. E7 - E8	243 883	42	Switching piece	240 281
1	Cam plate	240 371	505	Shim 0.03x12x75	022 828
37	Stitch forming cam on the right co. E5-10	211 163	506	Shim 0.05x12x75	022 829
38	Stitch forming cam on the left co. E5-10	211 164	507	Shim 0.1x12x75	022 830
39	Rod guide element on the left	211 165	508	Shim 0.2x12x75	022 831
40	Rod guide element in the middle	211 166	509	Countersunk screw M3x4	023 142
41	Rod guide element on the right	211 168	510	Shoulder screw	239 626
402	Spring rod	209 791	Parts at the bottom of the cam box Cams for narrow coupling Cam box set co. contains all parts for both carriage sides		
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



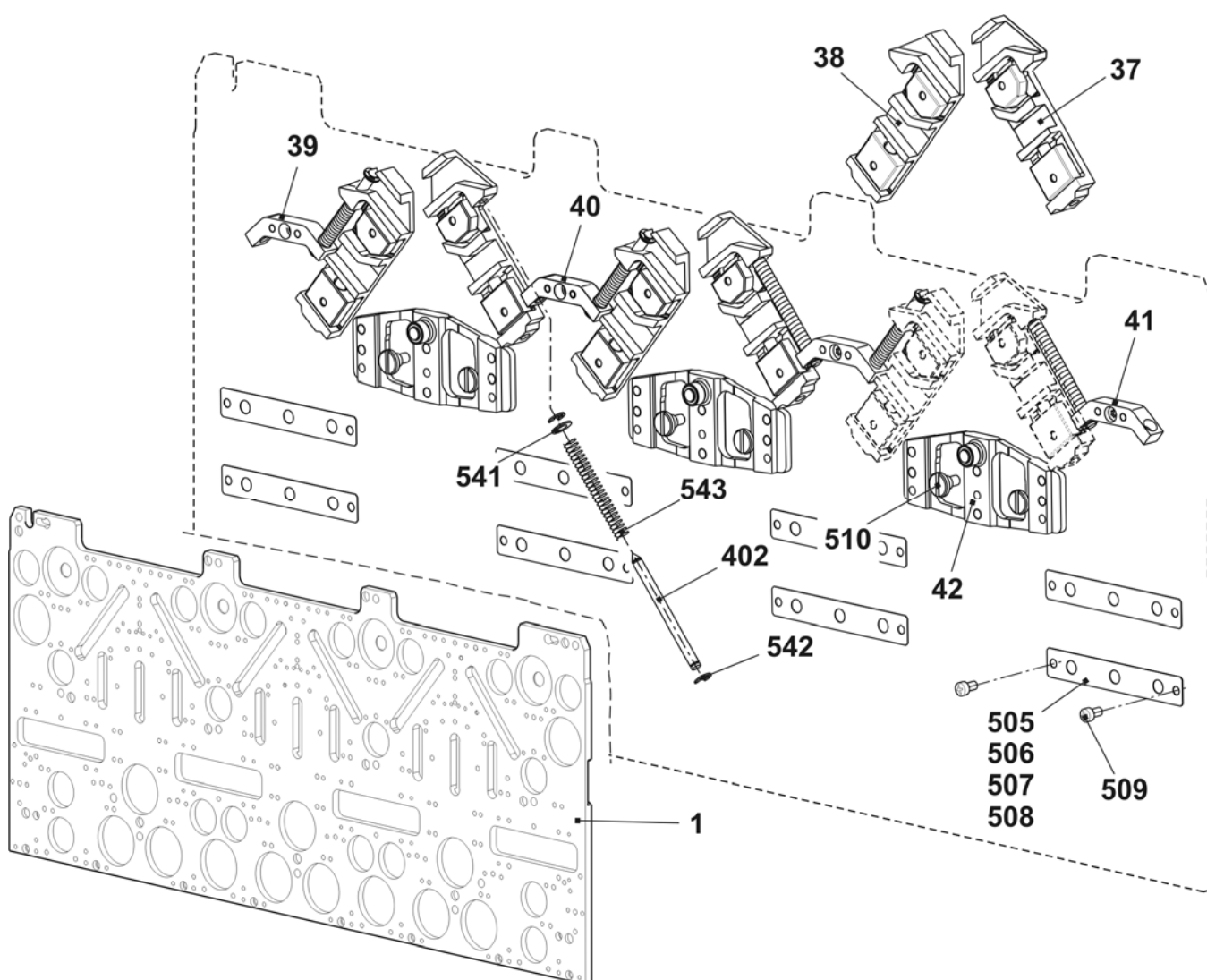
Cams E7 + E8 + E7m.8 + E8m.7

Pos	Designation	ID	Pos	Designation	ID
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	255 192
17	Cam on the right	236 193		Accessories	
18	Cam on the left E5-14	212 274	48	Cam on the right E5-14	212 275
19	Cam	210 252	49	Entry cam on the left E5-8	213 161
20	Offering cam	210 185	50	Entry cam on the right E5-8	213 162
21	Selector cam on the left	212 944	500	Cap screw M4x8	020 091
22	Selector cam on the right	212 947			



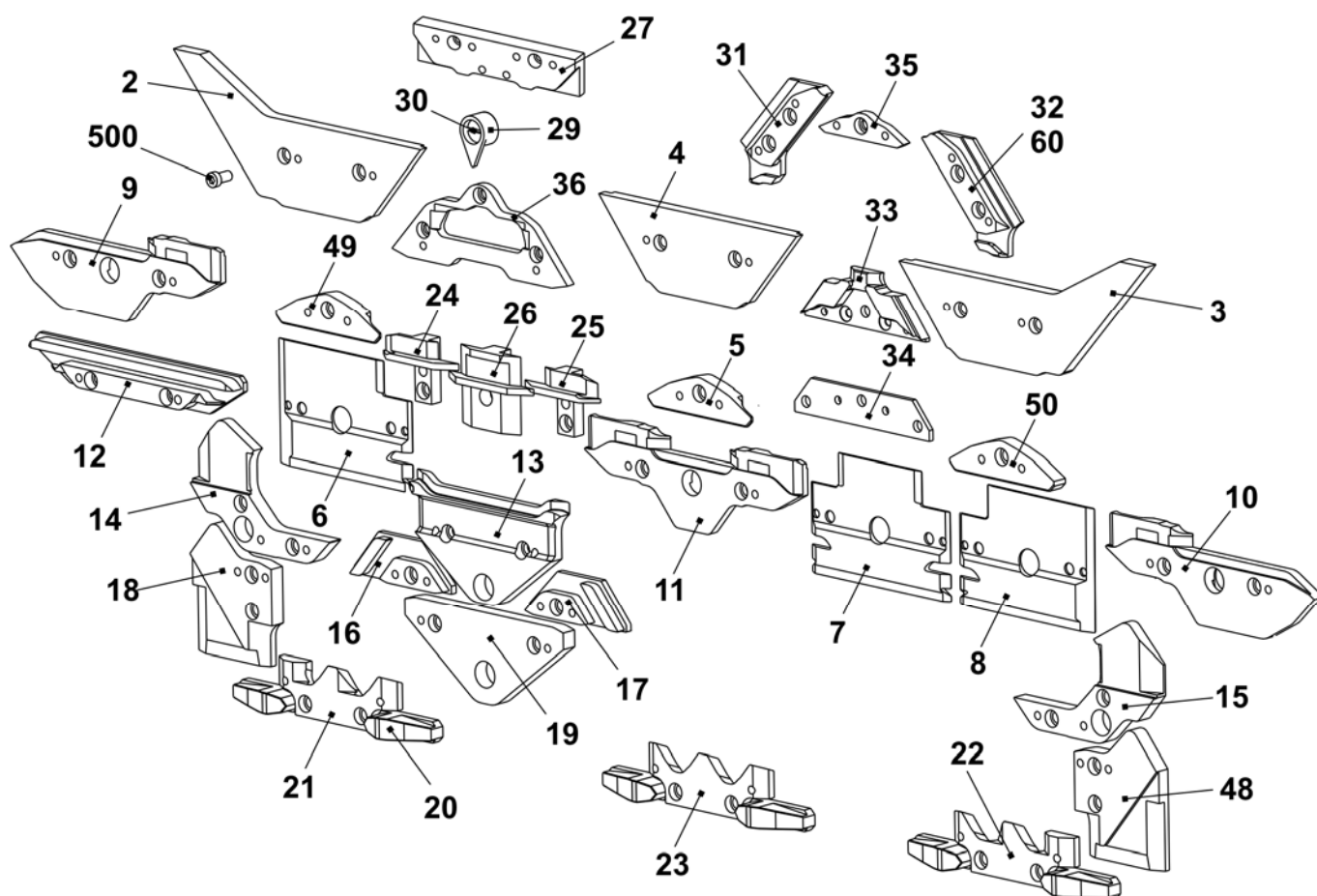
Cam box E10

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set at the left co. E10	244 742	Σ	Cam box set at the right co. E10	244 743
1	Cam plate	240 371	42	Switching piece	240 281
37	Stitch forming cam on the right co. E5-10	211 163	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left co. E5-10	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	510	Shoulder screw	239 626
541	Disc 4.3x7x0.5	022 153	Parts at the bottom of the cam box Cams for narrow coupling Cam box set co. contains all parts for both carriage sides		
542	Circlip 3.2	021 019			
543	Spring	023 344			



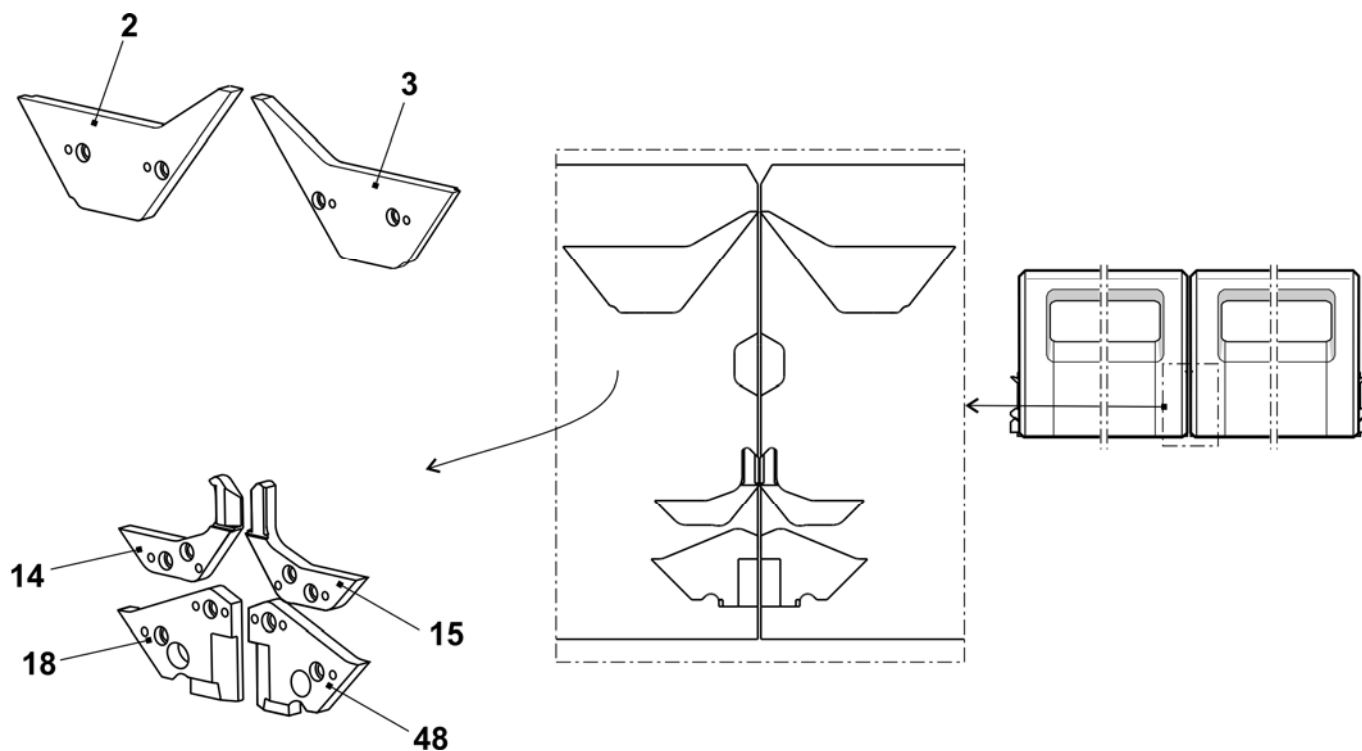
Cams E10

Pos	Designation	ID	Pos	Designation	ID
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 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 (at the front)	236 319
11	Cam in the middle	231 040	33	Tuck limit cam E10 + E7.2	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	Knitting raising cam without split E10 – E12 + E7.2	237 993
15	Cam on the right E5-14	212 266		Knitting raising cam with split E10 – E12 + E7.2 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			
22	Selector cam on the right	212 947			



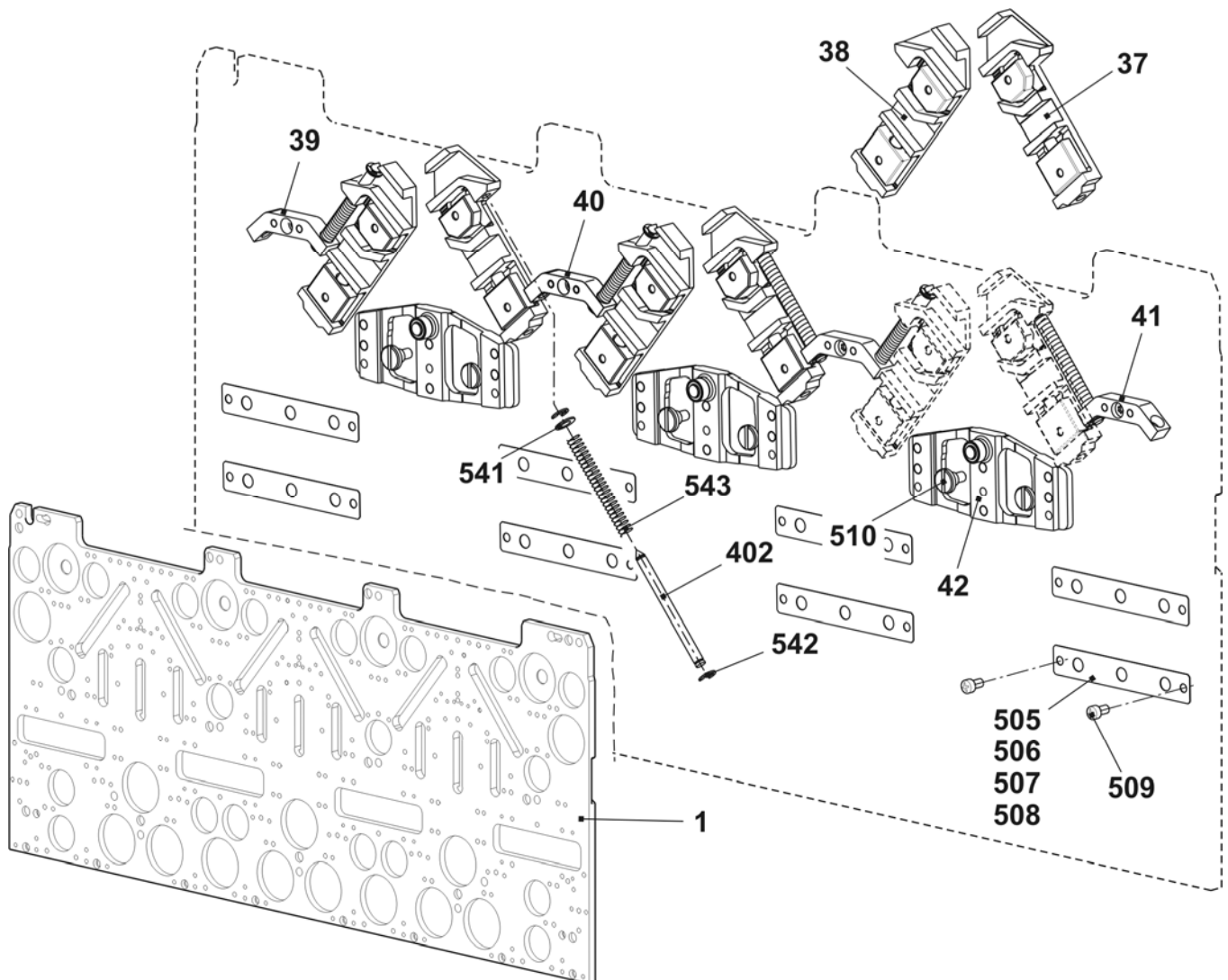
Cams for narrow coupling E10-14 + E10m.12 + E12m.10 + E6.2 + E7.2

Pos	Designation	ID	Pos	Designation	ID
2	Entry cam on the right	243 858	3	Entry cam on the left	243 857
14	Cam on the right E5-14	216 168	15	Cam on the left E5-14	216 167
18	Cam on the right	216 166	48	Cam on the left	216 165



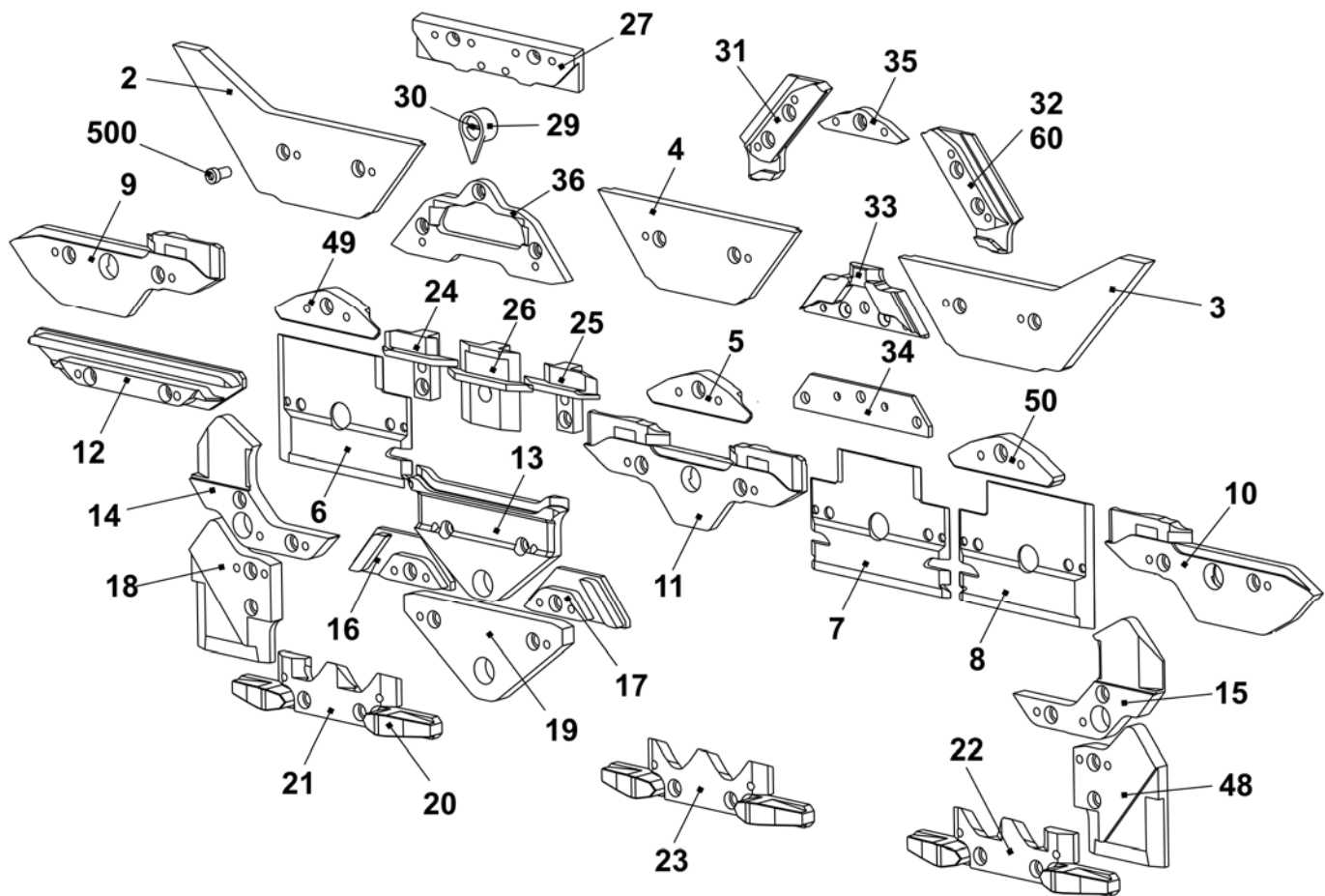
Cam box E12

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set at the left co. E12	243 906	Σ	Cam box set at the right co. E12	243 907
1	Cam plate	240 371	42	Switching piece	240 281
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	510	Shoulder screw	239 626
541	Disc 4.3x7x0.5	022 153	Parts at the bottom of the cam box Cams for narrow coupling Cam box set co. contains all parts for both carriage sides		
542	Circlip 3.2	021 019			
543	Spring	023 344			



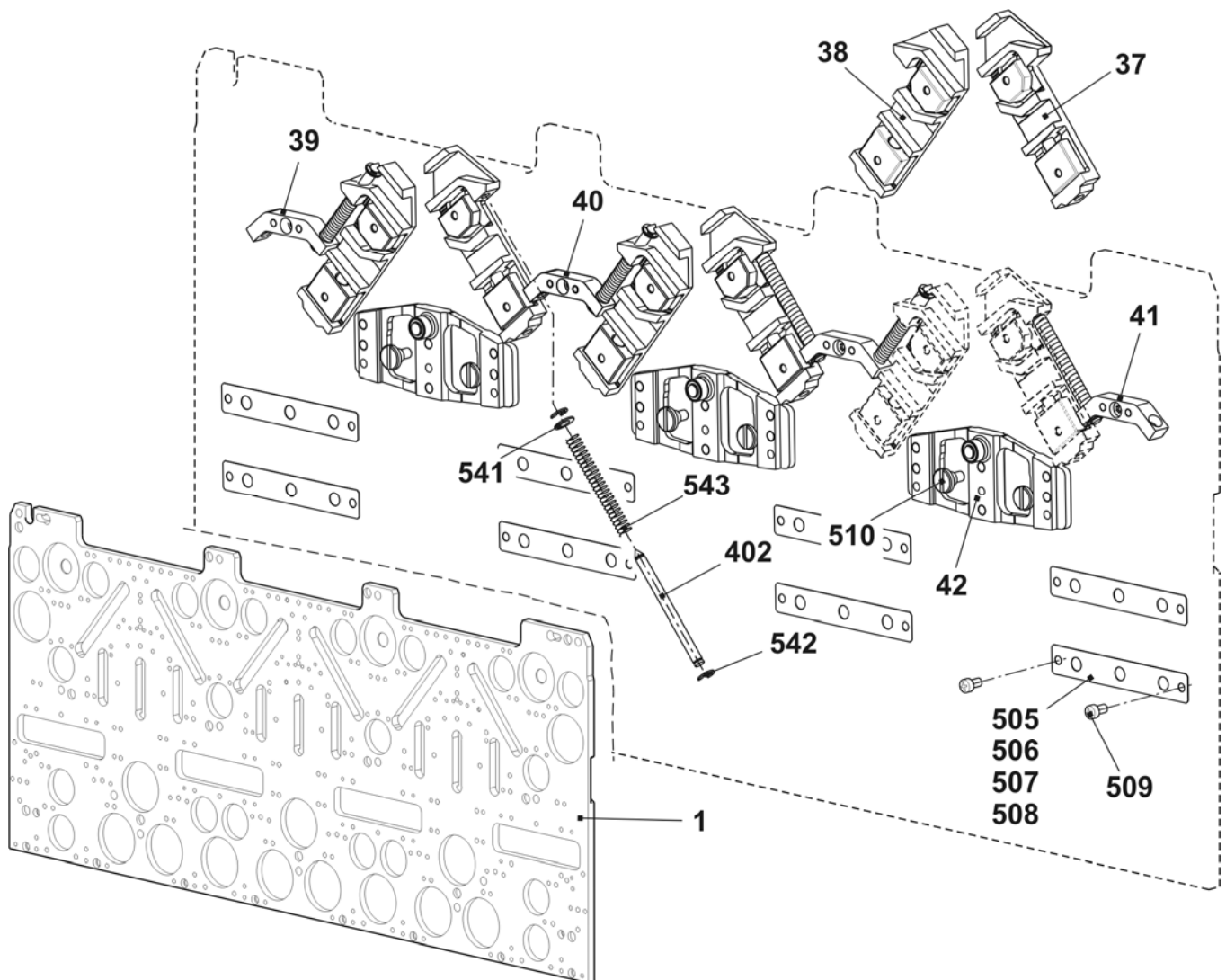
Cams E12

Pos	Designation	ID	Pos	Designation	ID
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	Knitting raising cam without split E10 – E12 + E7.2	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			
22	Selector cam on the right	212 947			



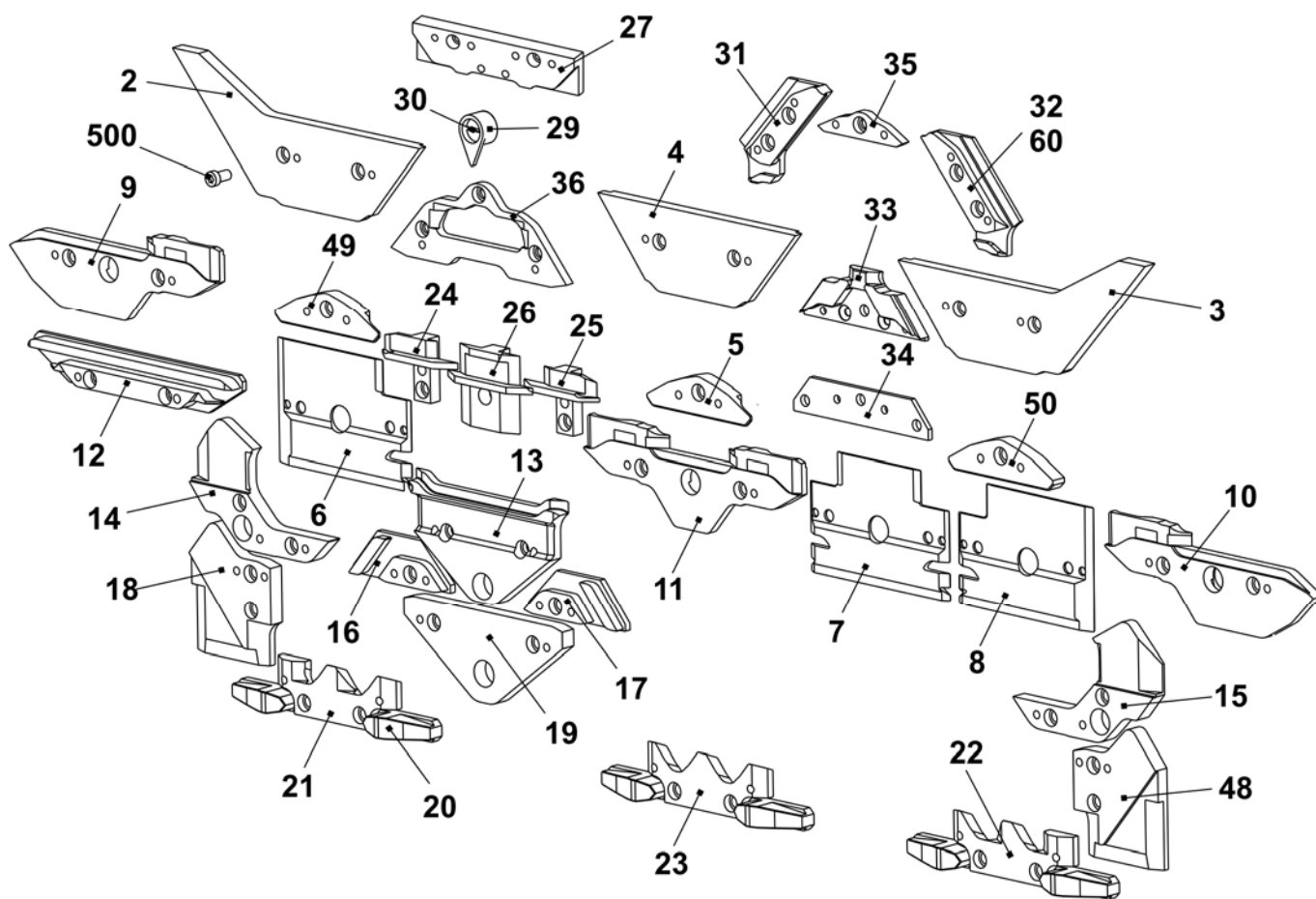
Cam box E14

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set co. E14	242 962	42	Switching piece	240 281
1	Cam plate	240 371	505	Shim 0.03x12x75	022 828
37	Stitch forming cam on the right co. E12 – E14	214 088	506	Shim 0.05x12x75	022 829
38	Stitch forming cam on the left co. E12 – E14	214 089	507	Shim 0.1x12x75	022 830
39	Rod guide element on the left	211 165	508	Shim 0.2x12x75	022 831
40	Rod guide element in the middle	211 166	509	Countersunk screw M3x4	023 142
41	Rod guide element on the right	211 168	510	Shoulder screw	239 626
402	Spring rod	209 791	Parts at the bottom of the cam box Cams for narrow coupling Cam box set co. contains all parts for both carriage sides		
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



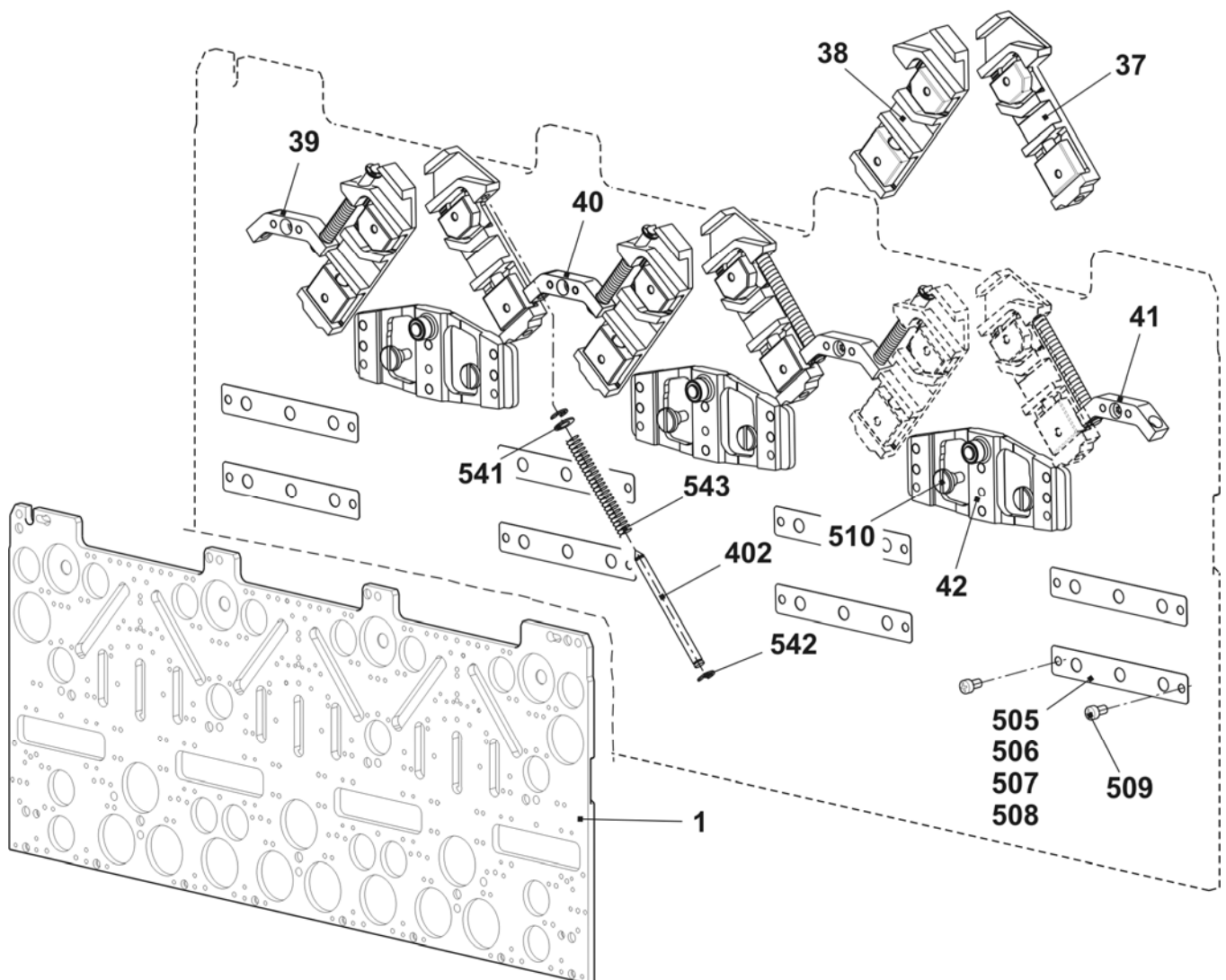
Cams E14

Pos	Designation	ID	Pos	Designation	ID
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	214 212
16	Cam on the left	236 192		Accessories	
17	Cam on the right	236 193	48	Cam on the right E5-14	212 275
18	Cam on the left E5-14	212 274	49	Entry cam on the left -1.5 E10 - E14	216 329
19	Cam	210 252	50	Entry cam on the right -1.5 E10 - E14	216 330
20	Offering cam	210 185	500	Cap screw M4x8	020 091
21	Selector cam on the left	212 944			
22	Selector cam on the right	212 947			



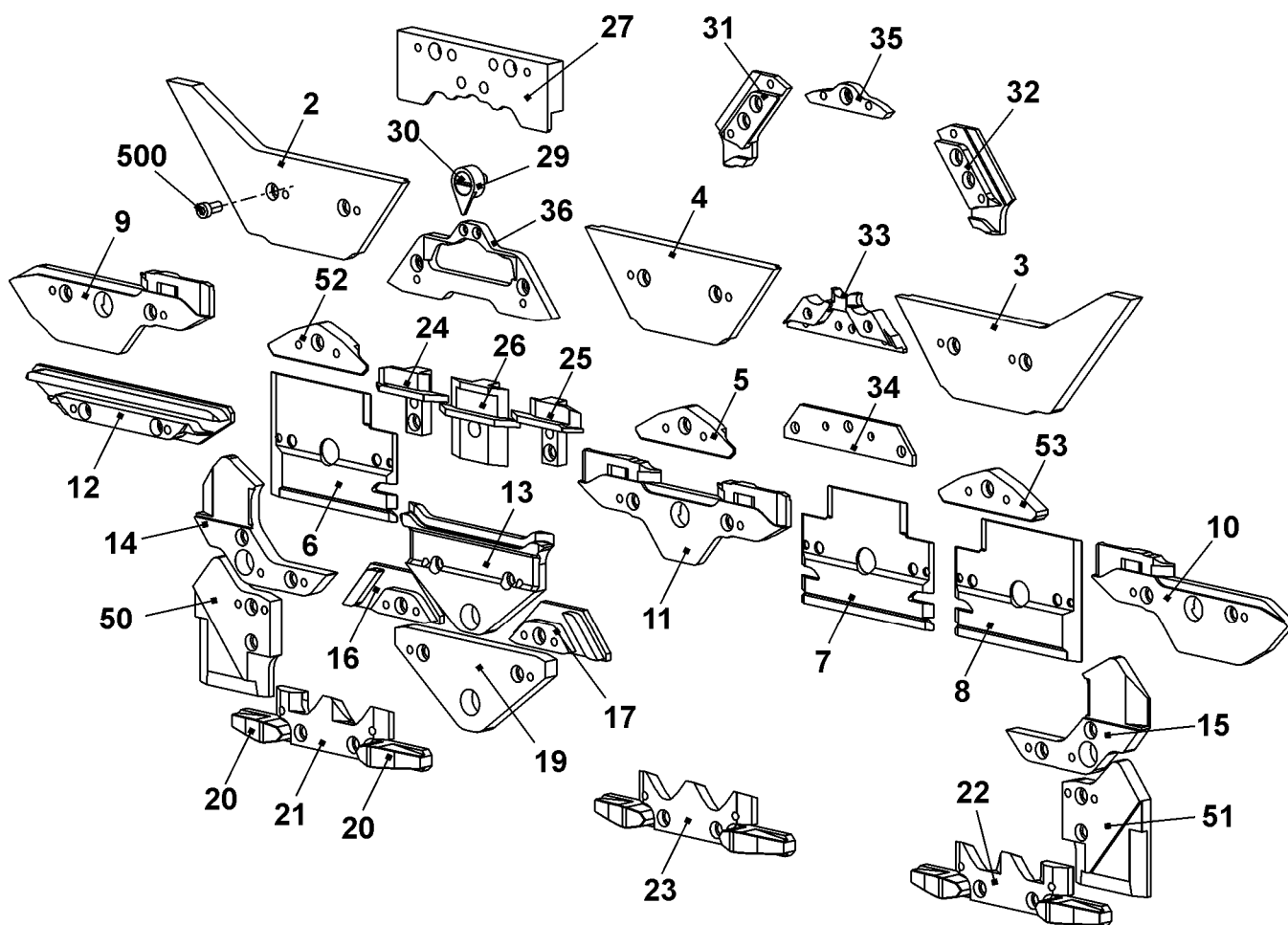
Cam box E16

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set co. E16	244 622	42	Switching piece	240 281
1	Cam plate	240 371	505	Shim 0.03x12x75	022 828
37	Stitch forming cam on the right co. E16 - E20	221 123	506	Shim 0.05x12x75	022 829
38	Stitch forming cam on the left co. E16 - E20	221 124	507	Shim 0.1x12x75	022 830
39	Rod guide element on the left	211 165	508	Shim 0.2x12x75	022 831
40	Rod guidance part middle	211 166	509	Countersunk screw M3x4	023 142
41	Rod guide element on the right	211 168	510	Cap screw M3x8	020 081
402	Spring rod	209 791	Parts at the bottom of the cam box Cam box set co. contains all parts for both carriage sides		
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Compression spring	023 344			



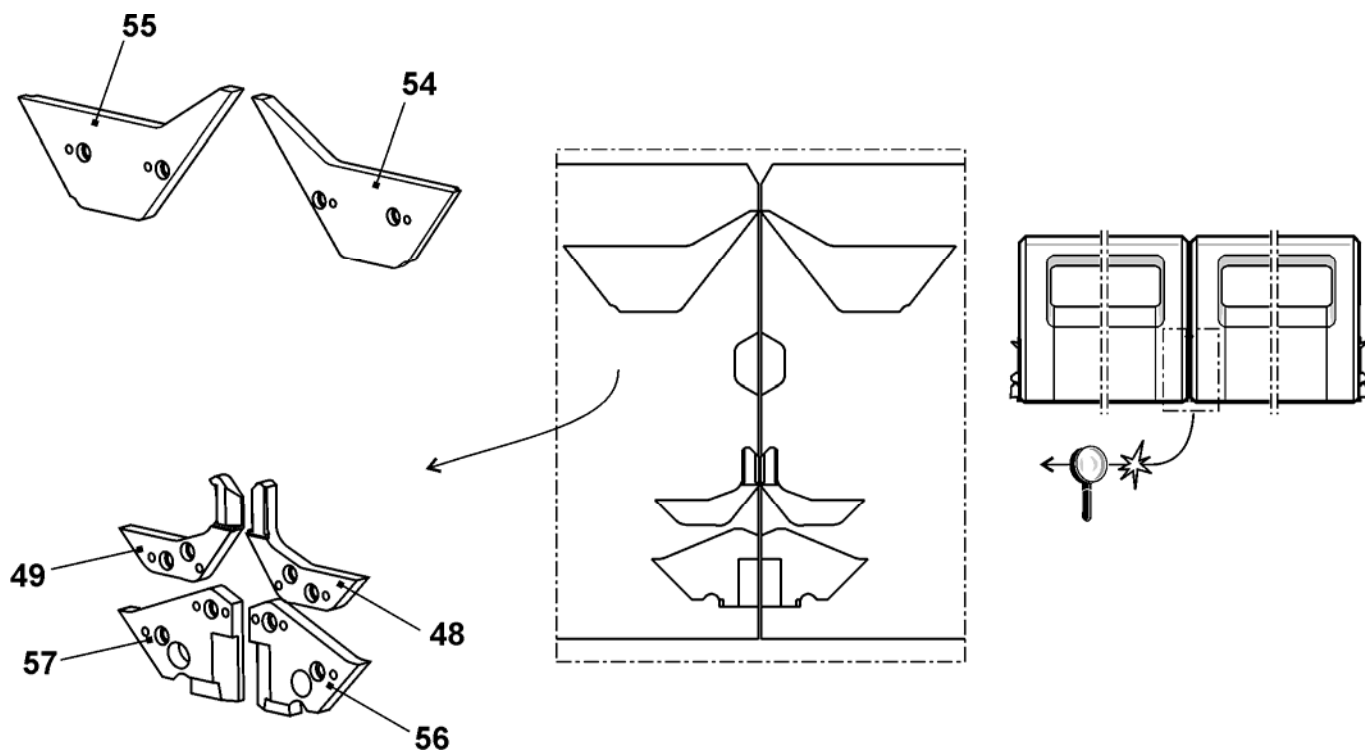
Cams E16

Pos	Designation	ID	Pos	Designation	ID
2	Entry cam on the left	243 595			
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 E16 - E20	220 842	26	Tuck pressure part	239 621
6	Plate on the left	230 988	27	Limit cam E16 - E20	220 865
7	Plate in the middle	231 035	29	Pointer E16 - E20	224 383
8	Plate on the right	231 036	30	Screw	210 335
9	Cam on the left	231 039	31	Stitch cam on the left E16 - E20	220 870
10	Cam on the right	231 041	32	Stitch cam on the right E16 - E20	220 871
11	Cam in the middle	231 040	33	Tuck limit cam E16 - E18	239 936
12	Cam	227 923	34	Raising cam plate E4-12	204 372
13	Cam	210 254	35	Receiving cam E16 - E20	220 863
14	Cam on the left E5-14	212 265	36	Knitting raising cam without split E16 - E18 + E9.2	239 457
15	Cam on the right E5-14	212 266		Knitting raising cam with split E16 - E18 + E9.2 Accessories	239 742
16	Cam on the left	236 192	50	Cam on the left E5-14	212 274
17	Cam on the right	236 193	51	Cam on the right E5-14	212 275
19	Cam	210 252	52	Entry cam on the left E16 - E20	220 841
20	Offering cam	210 185	53	Entry cam on the right E16 - E20	220 843
21	Selector cam on the left	253 629	500	Cap screw M4x8	020 091
22	Selector cam on the right	253 631			
23	Selector cam	253 630			



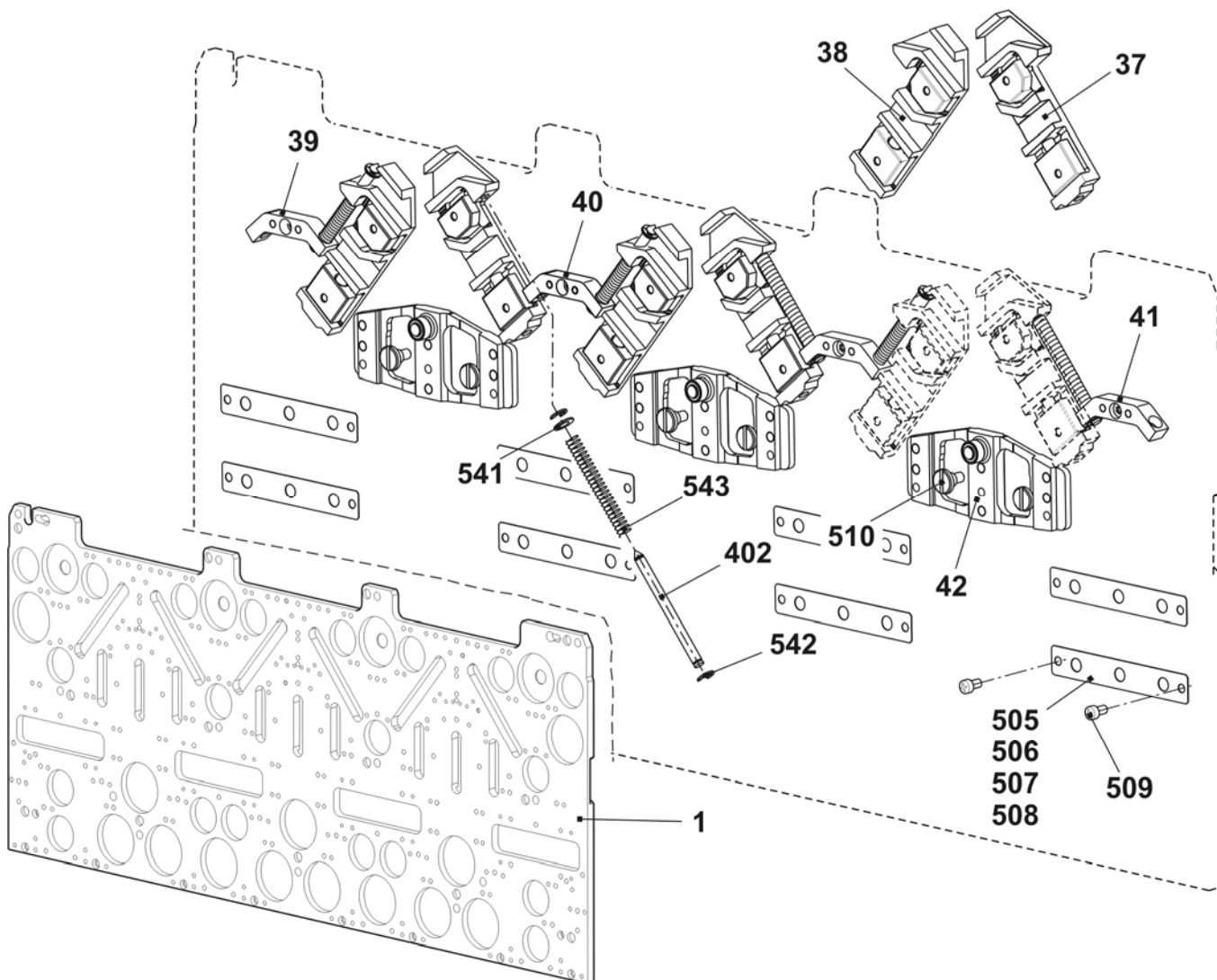
Cams for narrow coupling E16 + E8.2kw

Pos	Designation	ID	Pos	Designation	ID
48	Cam on the left E5-14	216 167	55	Entry cam on the right	243 858
49	Cam on the right E5-14	216 168	56	Cam on the left	216 165
54	Entry cam on the left	243 857	57	Cam on the right	216 166



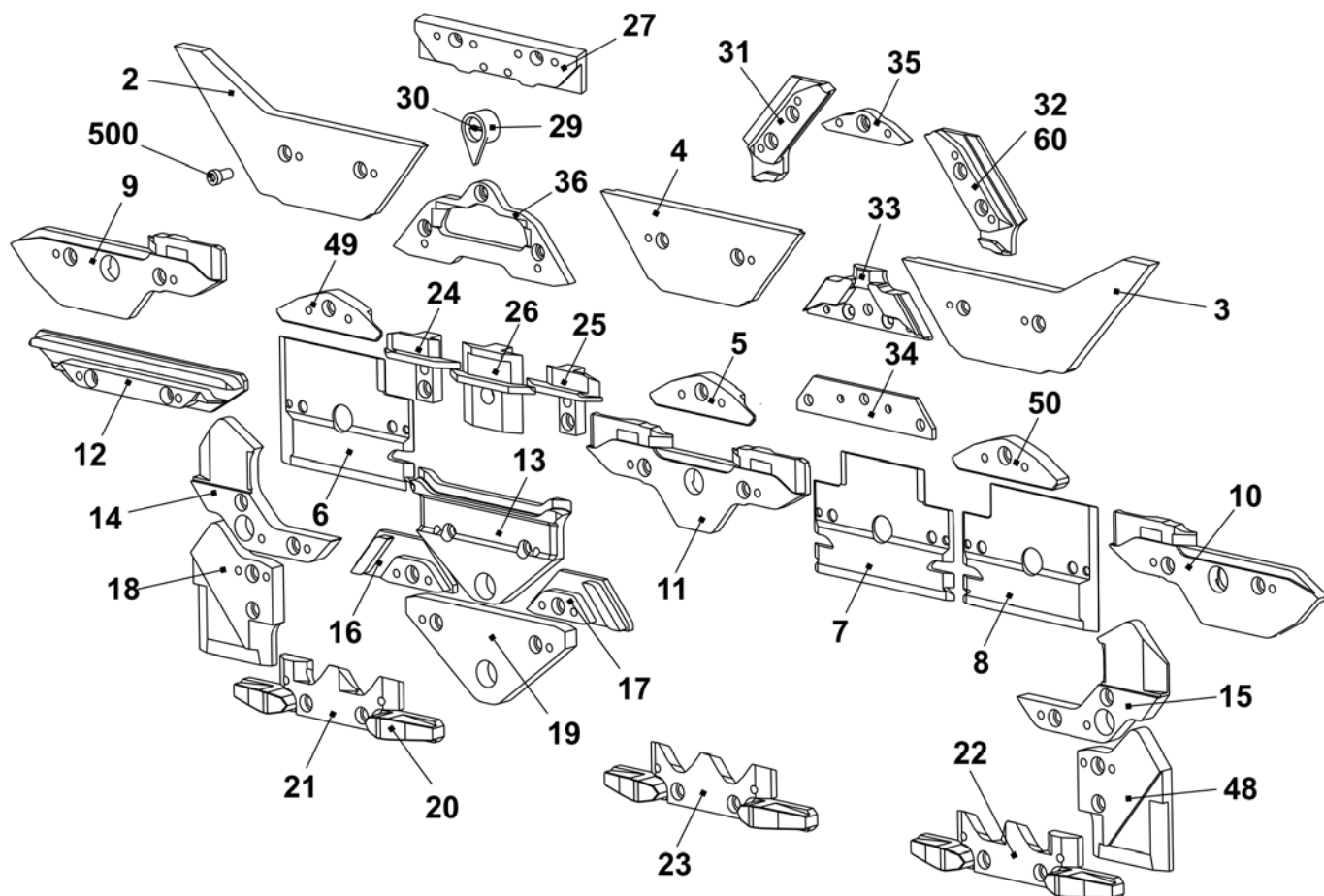
Cam box E10m.12

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set at the left co. E10m.12	244 750	Σ	Cam box set at the right co. E10m.12	244 751
1	Cam plate	240 371	42	Switching piece	240 281
37	Stitch forming cam on the right co. E5-10	211 163	505	Shim 0.03x12x75	022 828
38	Stitch forming cam on the left co. E5-10	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	510	Shoulder screw	239 626
541	Disc 4.3x7x0.5	022 153	Parts at the bottom of the cam box Cams for narrow coupling Cam box set co. contains all parts for both carriage sides		
542	Circlip 3.2	021 019			
543	Spring	023 344			



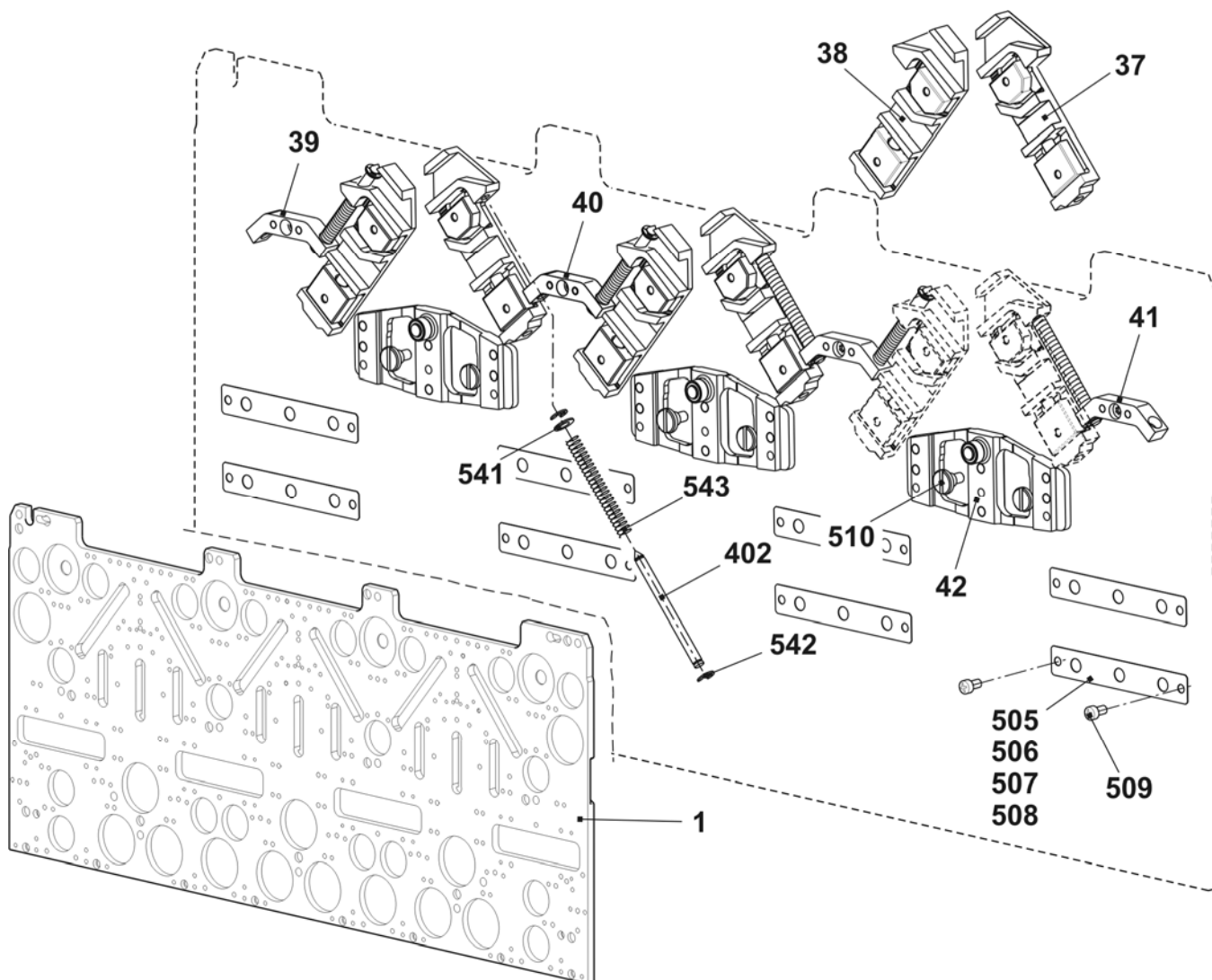
Cams E10m.12

Pos	Designation	ID	Pos	Designation	ID
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	Knitting raising cam without split E10 – E12 + E7.2	237 993
15	Cam on the right E5-14	212 266		Knitting raising cam with split E10 – E12 + E7.2 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			
22	Selector cam on the right	212 947			



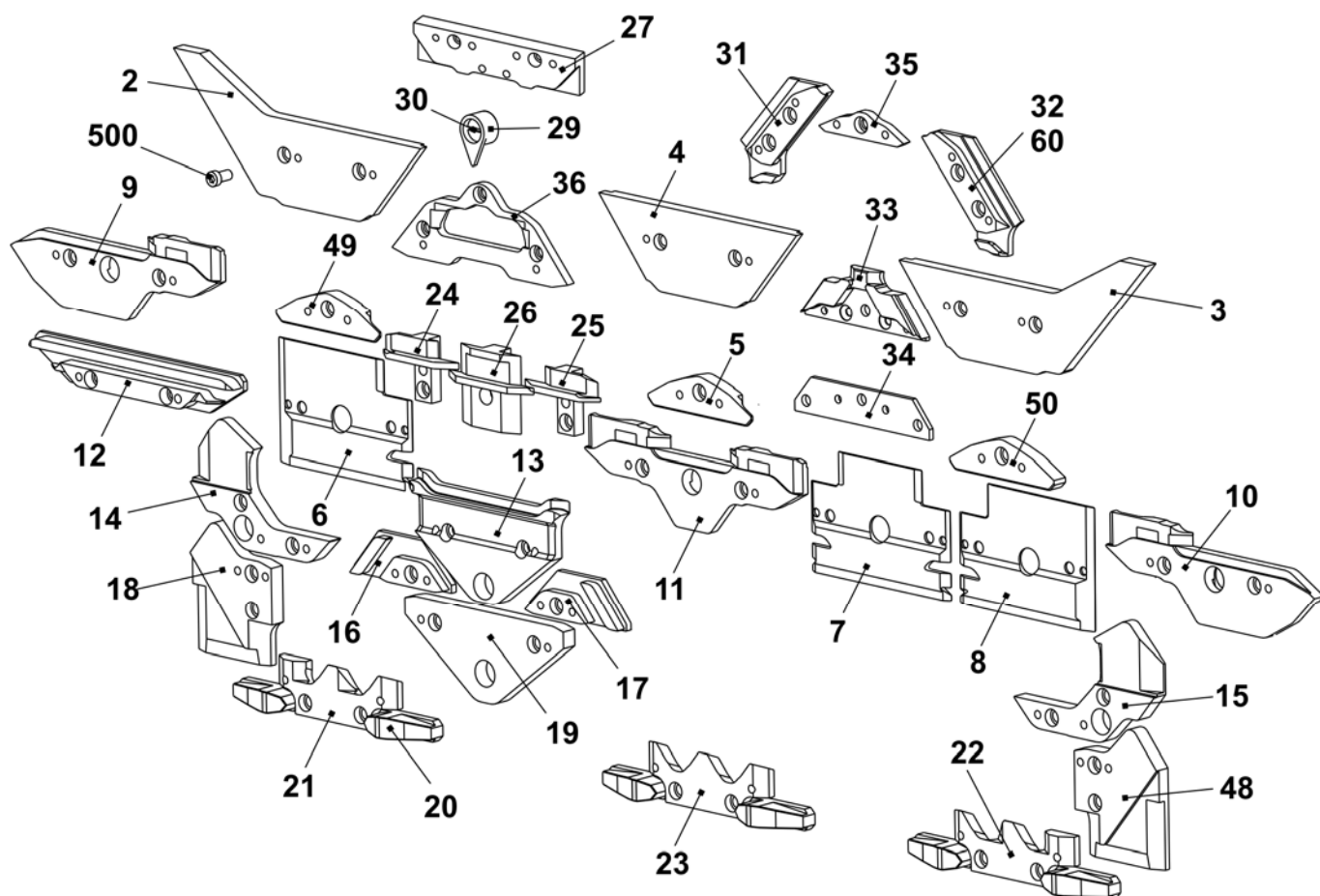
Cam box E12m.10

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set at the left co. E12m.10	244 752	Σ	Cam box set at the right co. E12m.10	244 753
1	Cam plate	240 371	42	Switching piece	240 281
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	510	Shoulder screw	239 626
541	Disc 4.3x7x0.5	022 153	Parts at the bottom of the cam box Cams for narrow coupling Cam box set co. contains all parts for both carriage sides		
542	Circlip 3.2	021 019			
543	Spring	023 344			



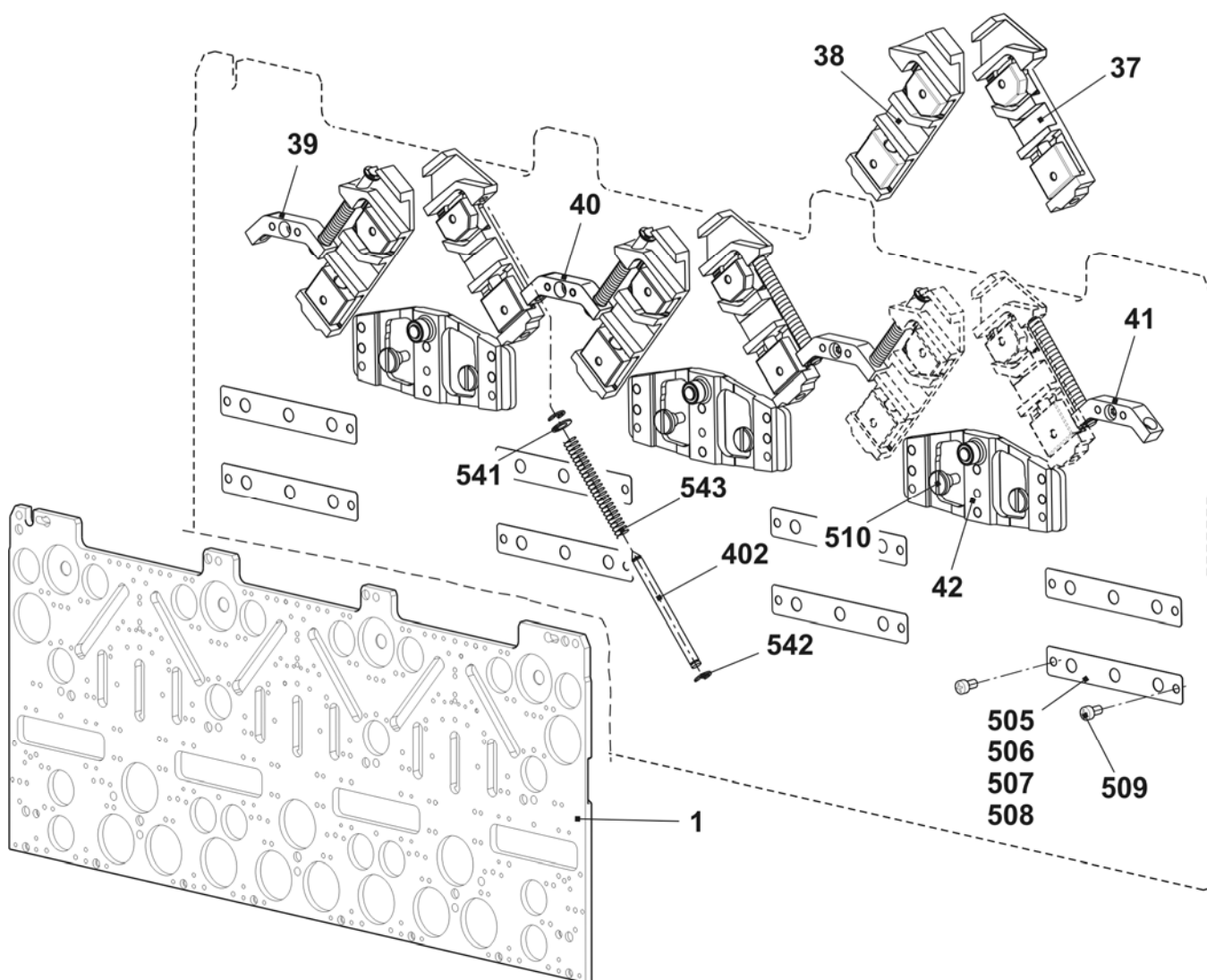
Cams E6.2 (12m.10)

Pos	Designation	ID	Pos	Designation	ID
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 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 E10 + E7.2	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	Knitting raising cam without split E10 – E12 + E7.2	237 993
15	Cam on the right E5-14	212 266		Knitting raising cam with split E10 – E12 + E7.2 accessories	237 300
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			
22	Selector cam on the right	212 947			



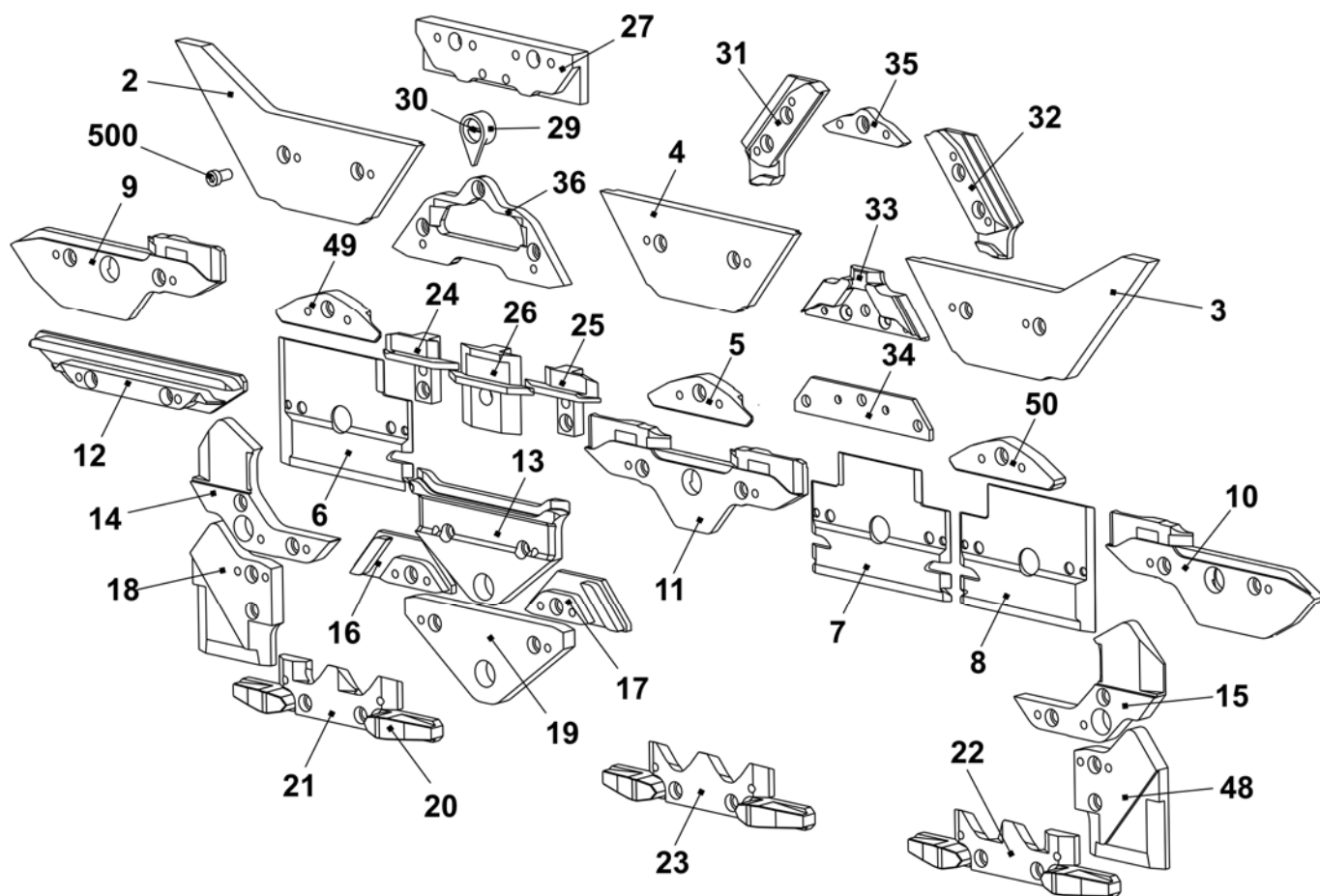
Cam box E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set E6.2	244 615	42	Switching piece	240 281
1	Cam plate	240 371	505	Shim 0.03x12x75	022 828
37	Stitch forming cam on the right co. E12 – E14	214 088	506	Shim 0.05x12x75	022 829
38	Stitch forming cam on the left co. E12 – E14	214 089	507	Shim 0.1x12x75	022 830
39	Rod guide element on the left	211 165	508	Shim 0.2x12x75	022 831
40	Rod guide element in the middle	211 166	509	Countersunk screw M3x4	023 142
41	Rod guide element on the right	211 168	510	Shoulder screw	239 626
402	Spring rod	209 791	Parts at the bottom of the cam box Cams for narrow coupling Cam box set co. contains all parts for both carriage sides		
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



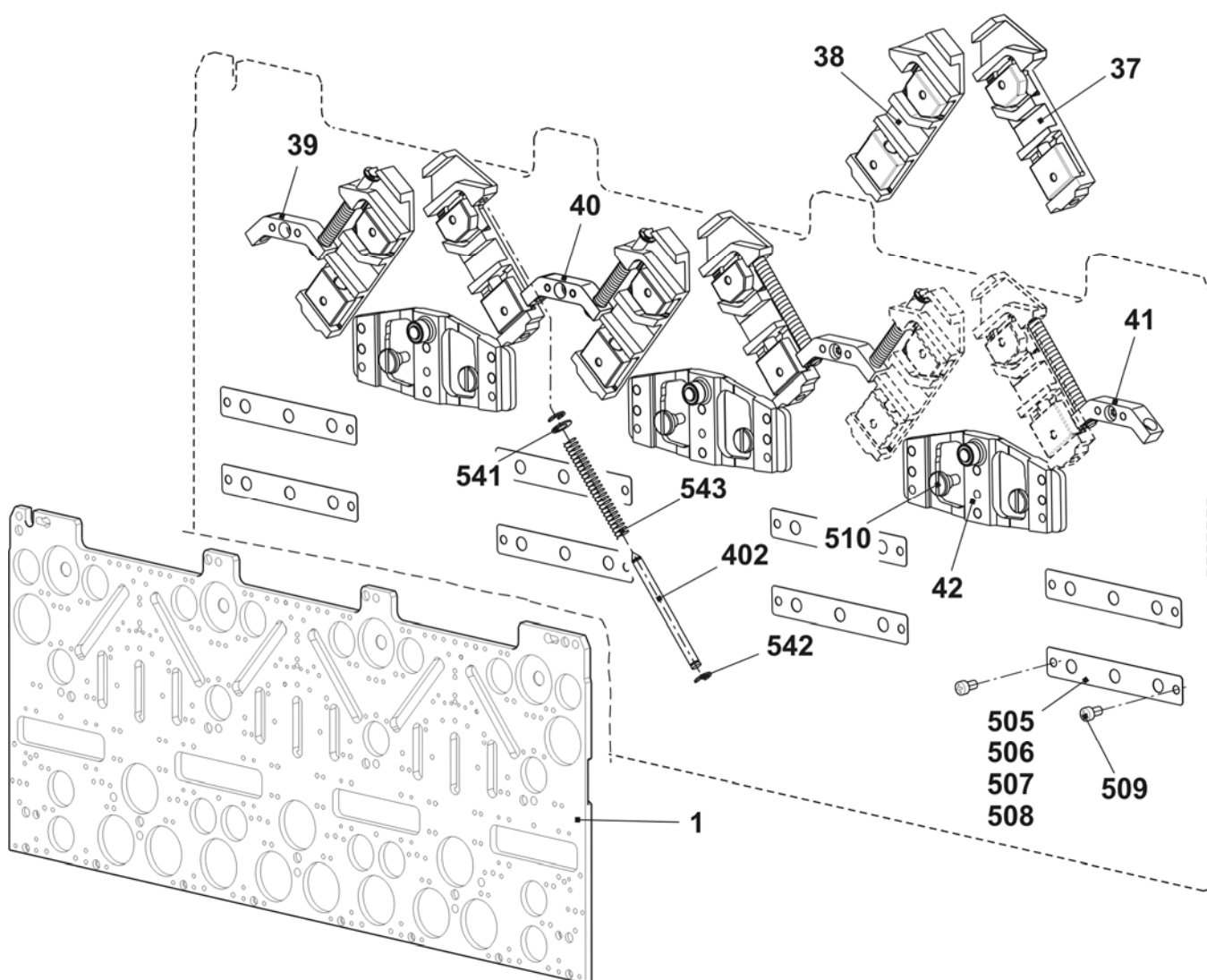
Cams E6.2

Pos	Designation	ID	Pos	Designation	ID
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 E6.2	218 306
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 E6.2	236 392
10	Cam on the right	231 041	32	Stitch cam on the right E6.2	236 393
11	Cam in the middle	231 040	33	Tuck limit cam E6.2	236 429
12	Cam	227 923	34	Raising cam plate E4-12	204 372
13	Cam	210 254	35	Receiving cam E6.2	236 943
14	Cam on the left E5 - E14	212 265	36	Raising cam part without split E6.2	236 766
15	Cam on the right E5 - E14	212 266		Knitting raising cam with split E6.2	237 948
16	Cam on the left	236 192		Accessories	
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
21	Selector cam on the left	212 944			
22	Selector cam on the right	212 947			



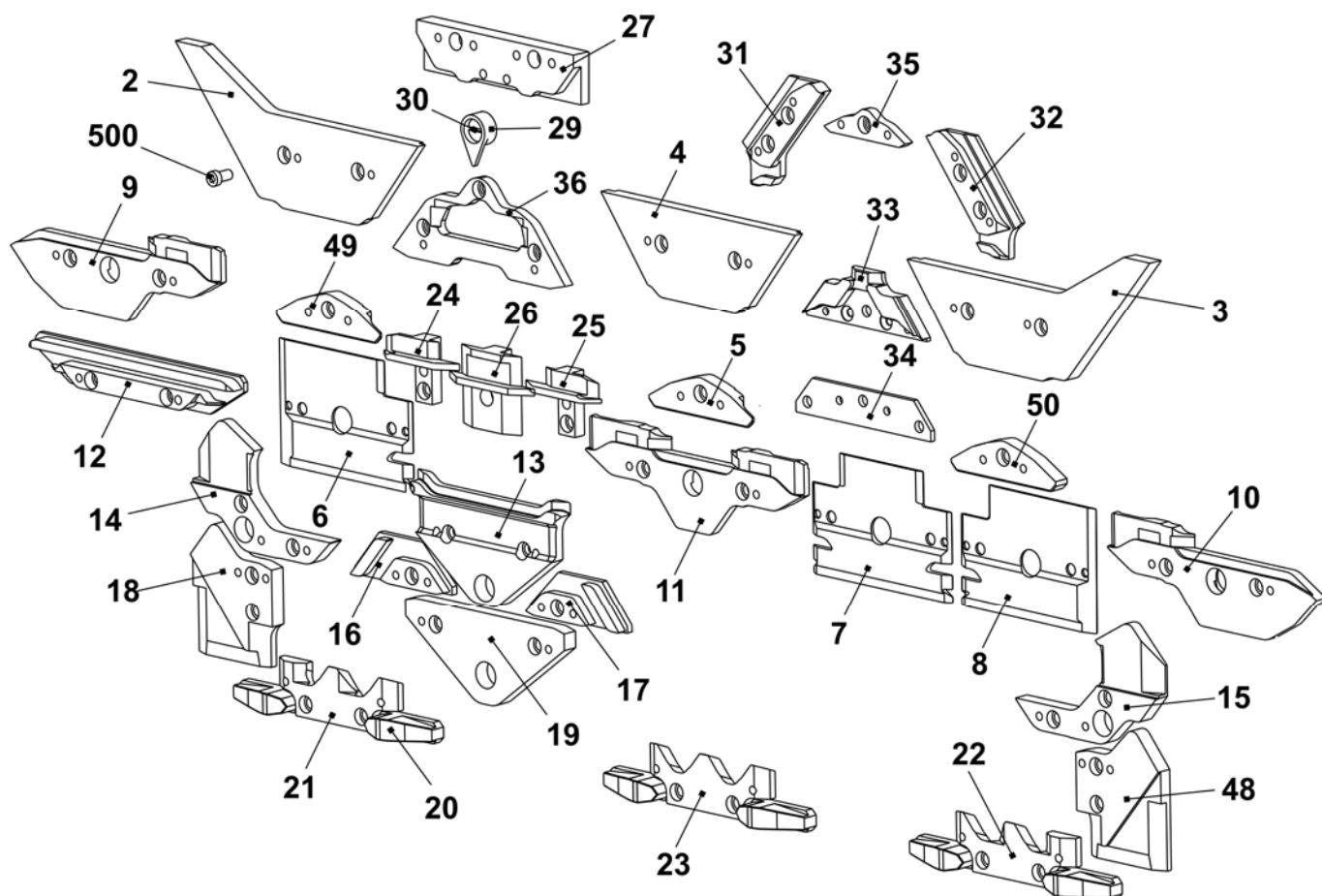
Cam box E7.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set co. E7.2	244 618	42	Switching piece	240 281
1	Cam plate	240 371	505	Shim 0.03x12x75	022 828
37	Stitch forming cam on the right co. E12 – E14	214 088	506	Shim 0.05x12x75	022 829
38	Stitch forming cam on the left co. E12 – E14	214 089	507	Shim 0.1x12x75	022 830
39	Rod guide element on the left	211 165	508	Shim 0.2x12x75	022 831
40	Rod guide element in the middle	211 166	509	Countersunk screw M3x4	023 142
41	Rod guide element on the right	211 168	510	Shoulder screw	239 626
402	Spring rod	209 791	Parts at the bottom of the cam box Cams for narrow coupling Cam box set co. contains all parts for both carriage sides		
541	Disc 4.3x7x0.5	022 153			
542	Circlip 3.2	021 019			
543	Spring	023 344			



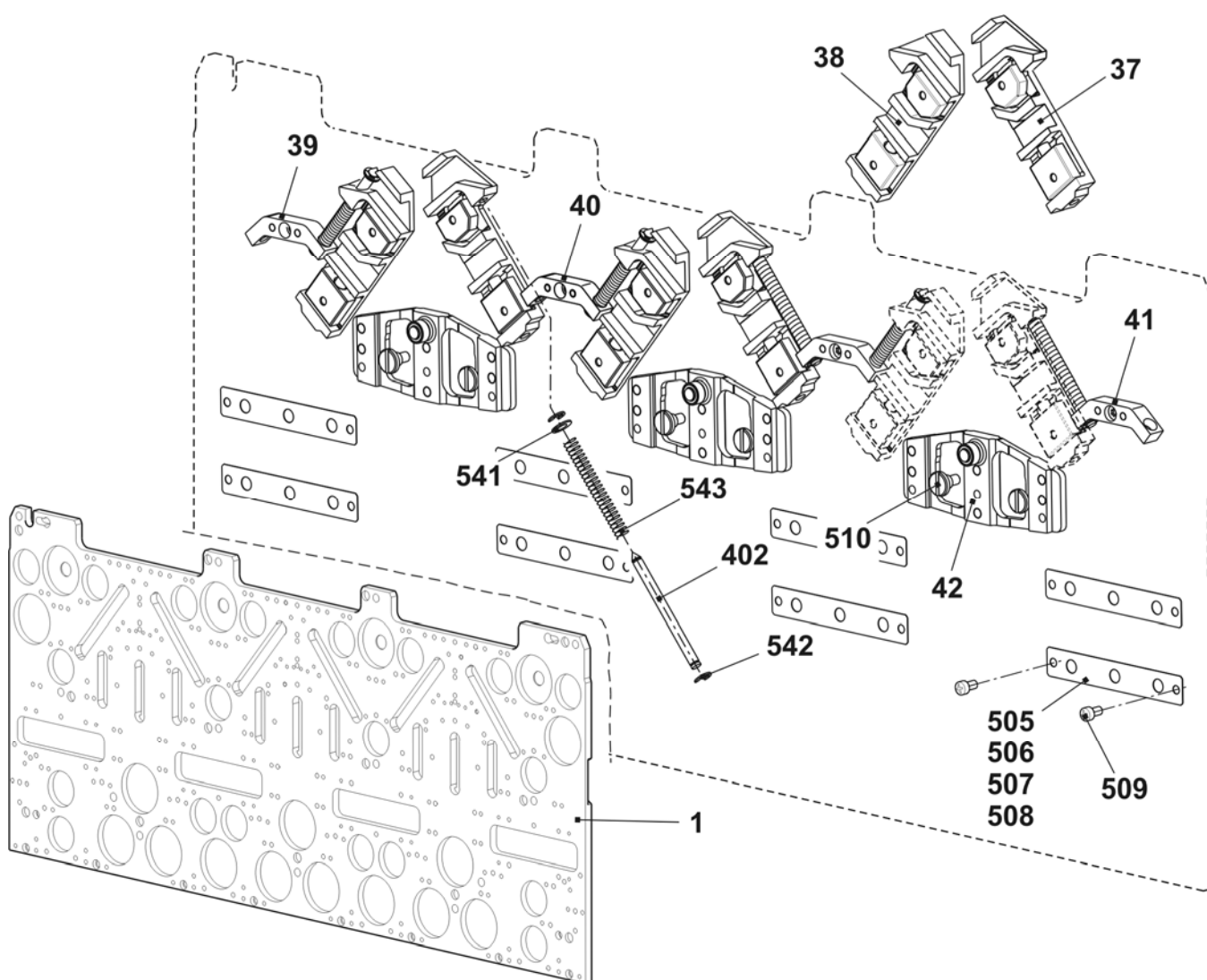
Cams E7.2

Pos	Designation	ID	Pos	Designation	ID
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 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 E10 + E7.2	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	Knitting raising cam without split E10 – E12 + E7.2	237 993
15	Cam on the right E5-14	212 266		Knitting raising cam with split E10 – E12 + E7.2	213 300 Accessories
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			
22	Selector cam on the right	212 947			



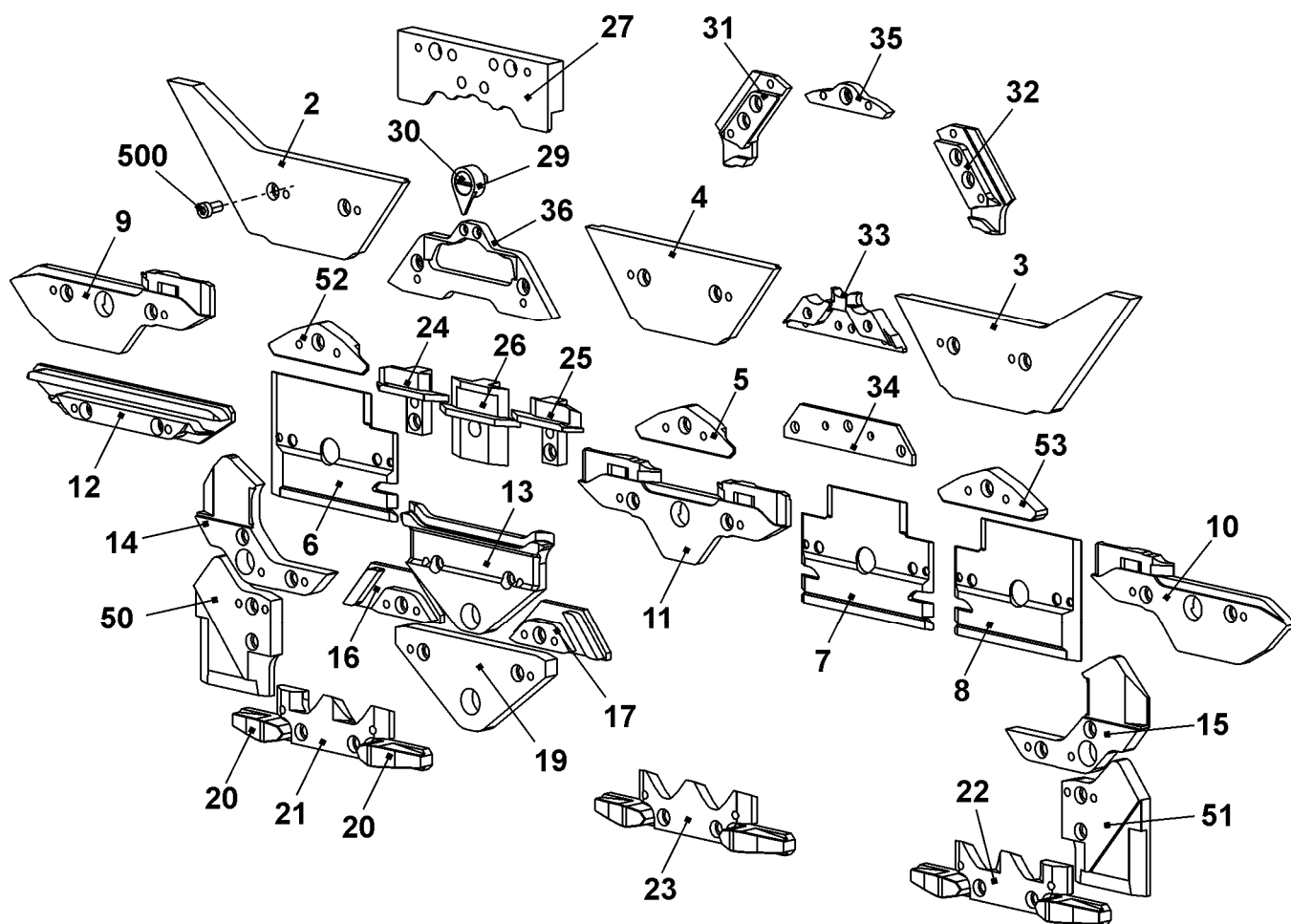
Cam box E8.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set co. E8.2	244 625	42	Switching piece	240 281
1	Cam plate	240 371	505	Shim 0.03x12x75	022 828
37	Stitch forming cam on the right co. E16 - E20	221 123	506	Shim 0.05x12x75	022 829
38	Stitch forming cam on the left co. E16 - E20	221 124	507	Shim 0.1x12x75	022 830
39	Rod guide element on the left	211 165	508	Shim 0.2x12x75	022 831
40	Rod guide element in the middle	211 166	509	Countersunk screw M3x4	023 142
41	Rod guide element on the right	211 168	510	Cap screw M3x8	020 081
402	Spring rod	209 791	Parts at the bottom of the cam box		
541	Disc 4.3x7x0.5	022 153	Cam box set co. contains all parts for both carriage sides		
542	Circlip 3.2	021 019			
543	Compression spring	023 344			

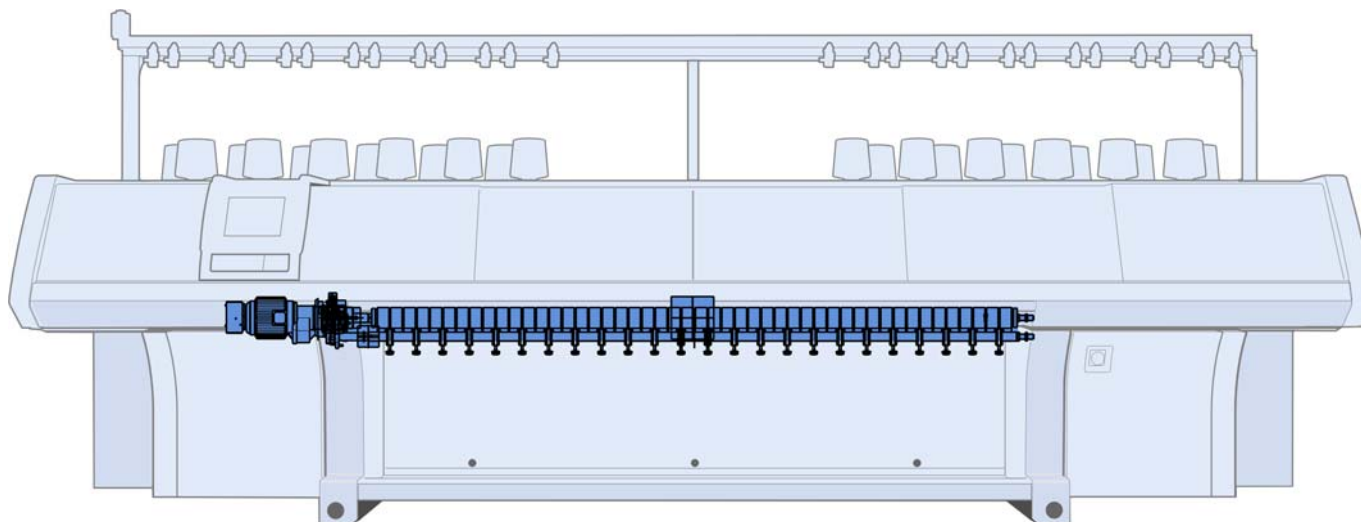


Cams E8.2

Pos	Designation	ID	Pos	Designation	ID
2	Entry cam on the left	243 595	24	Pressure part take-over on the left	239 848
3	Entry cam on the right	243 597	25	Pressure part take-over on the right	239 849
4	Entry cam in the middle	243 596	26	Tuck pressure part	239 621
5	Entry cam at the bottom E16 - E20	220 842	27	Limit cam E9.2	228 978
6	Plate on the left	230 988	29	Pointer E16 - E20	224 383
7	Plate in the middle	231 035	30	Screw	210 335
8	Plate on the right	231 036	31	Stitch cam on the left E16 - E20	220 870
9	Cam on the left	231 039	32	Stitch cam on the right E16 - E20	220 871
10	Cam on the right	231 041	33	Tuck limit cam E9.2	239 458
11	Cam in the middle	231 040	34	Raising cam plate E4-12	204 372
12	Cam	227 923	35	Receiving cam E9.2	228 977
13	Cam	210 254	36	Knitting raising cam without split E16 - E18 + E9.2	239 457
14	Cam on the left E5-14	212 265		Knitting raising cam with split E16 - E18 + E9.2	239 742 Accessories
15	Cam on the right E5-14	212 266	50	Cam on the left E5-14	212 274
16	Cam on the left	236 192	51	Cam on the right E5-14	212 275
17	Cam on the right	236 193	52	Entry cam on the left E16 - E20	220 841
19	Cam	210 252	53	Entry cam on the right E16 - E20	220 843
20	Offering cam	210 185	500	Cap screw M4x8	020 091
21	Selector cam on the left	253 629			
22	Selector cam on the right	253 631			
23	Selector cam	253 630			

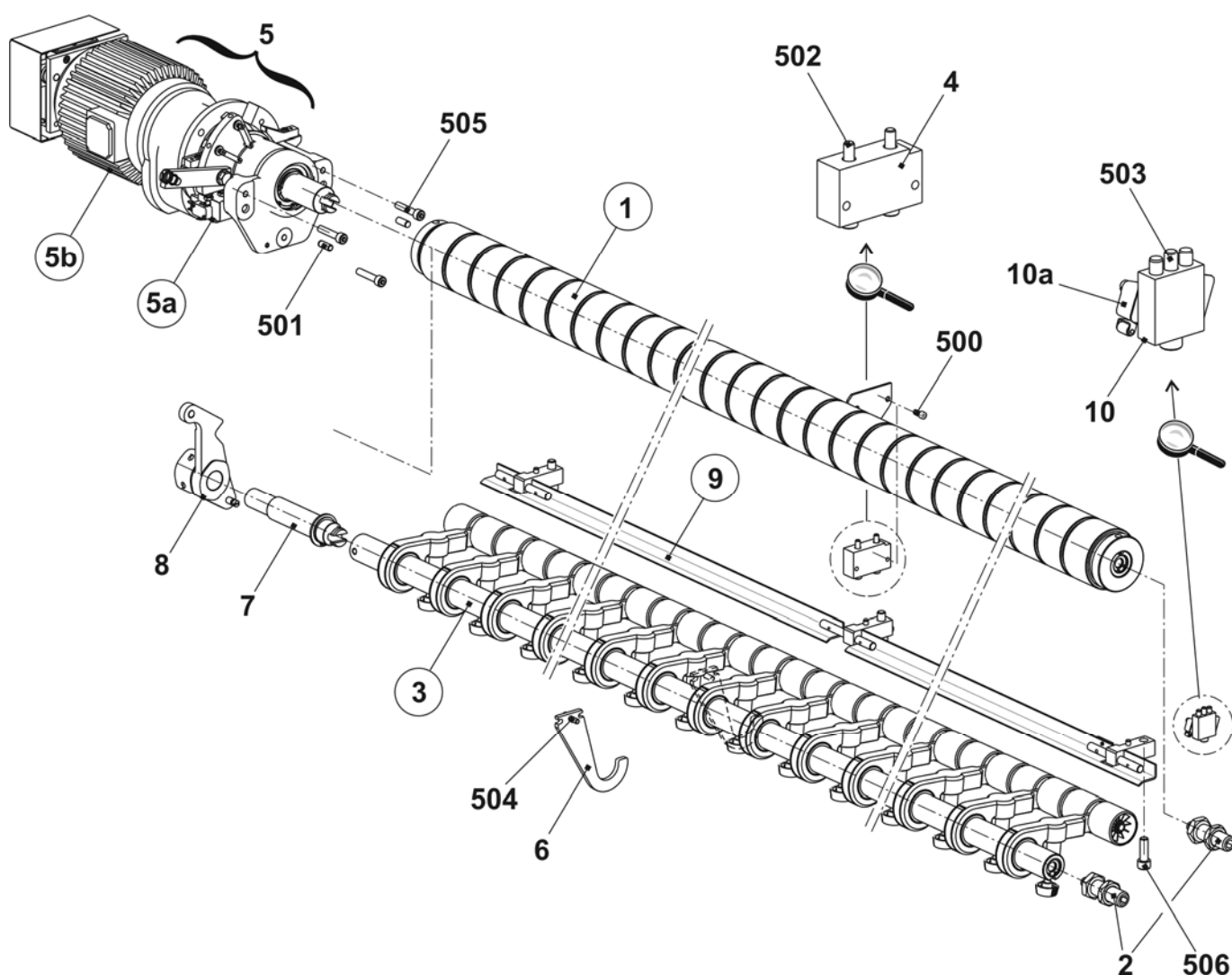


Main take-down



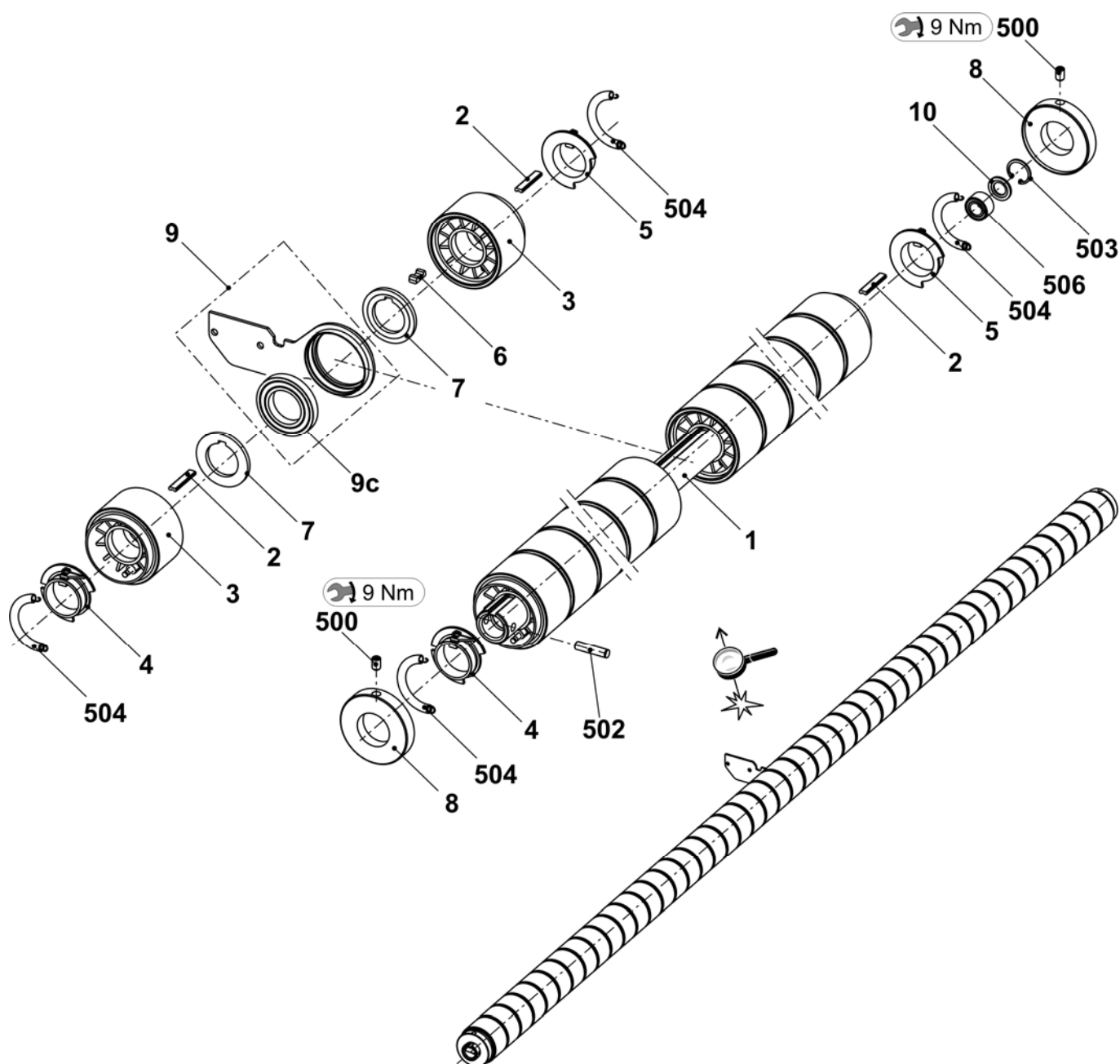
Main take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down	243 279	9	Fabric stripper	211 207
1	Take-down roller co.	211 170	10	Stop point co.	209 009
2	Journal co.	209 496	10a	Microswitch	026 259
3	Contact shaft co.	243 265	500	Cap screw M6x12	020 134
4	Bearing	207 692	501	Setting pin 8x20	020 693
5	Take-down unit	244 450	502	Cap screw M6x45	022 689
5a	Take-down gear assembly co.		503	Cap screw M6x40	020 140
5b	Take-down motor with block		504	Cap screw M6x20-12.9	020 136
6	Support	243 294	505	Cap screw M8x40	020 145
7	Shaft co.	211 173	506	Cap screw M10x30	020 158
8	Lever co.	211 210			



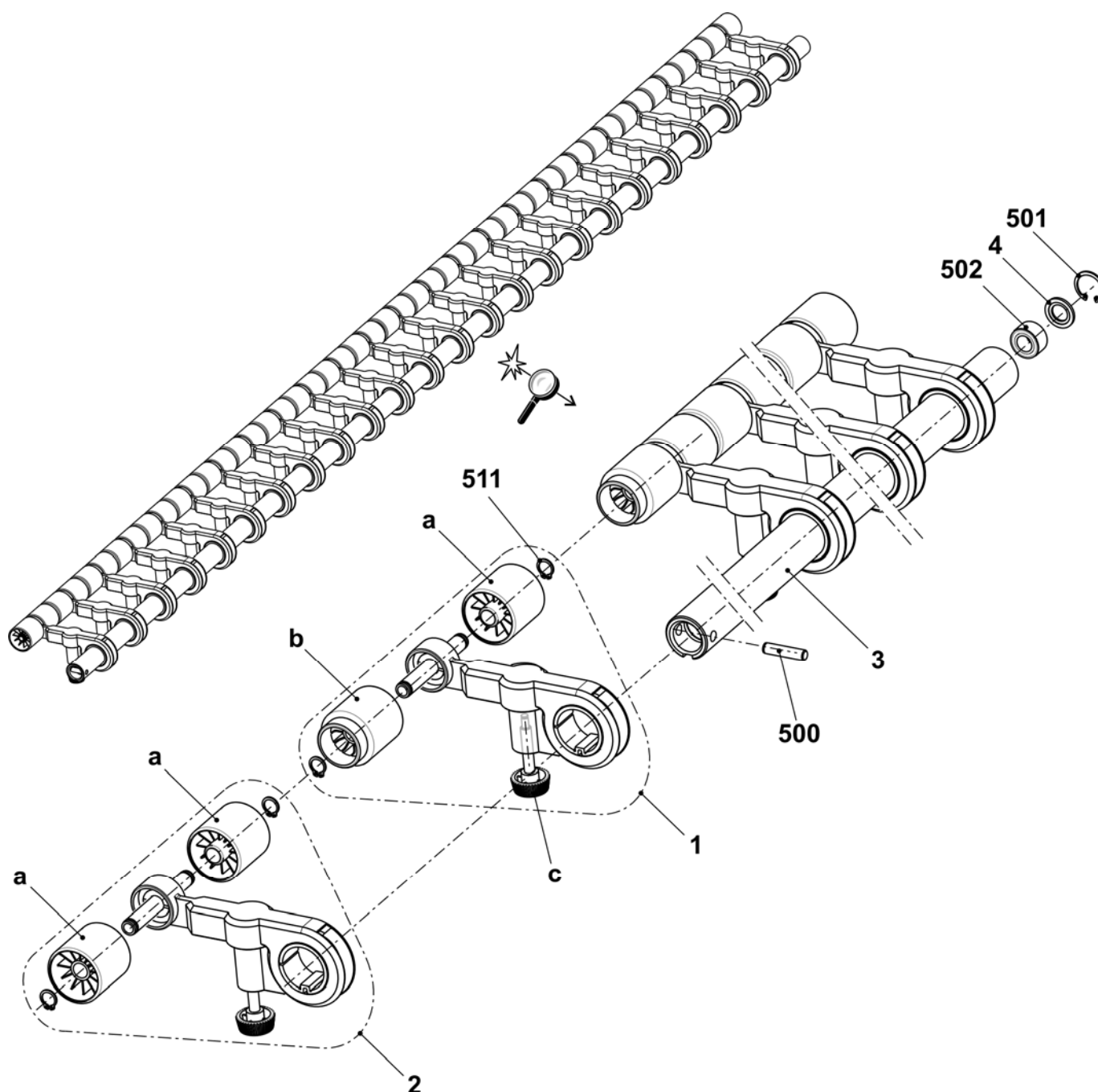
Take-down roller

Pos	Designation	ID	Pos	Designation	ID
Σ	Take-down roller co.	211 170			
1	Shaft	211 111	9	Support	204 462
2	Spacer slide	204 340	9c	Ball bearing 16007	021 697
3	Roller	236 169	10	Intermediate ring	030 689
4	Stop ring on the left	204 369	500	Set screw M8x12-45H	023 393
5	Stop ring on the right	204 376	502	Setting pin 8x34	020 699
6	Slide	204 341	503	Locking ring 24x1.2	020 975
7	Spacing ring	204 343	504	Tension spring 8x0.95x65	023 231
8	End ring	211 110	506	Needle roller bearing NA4901	021 746



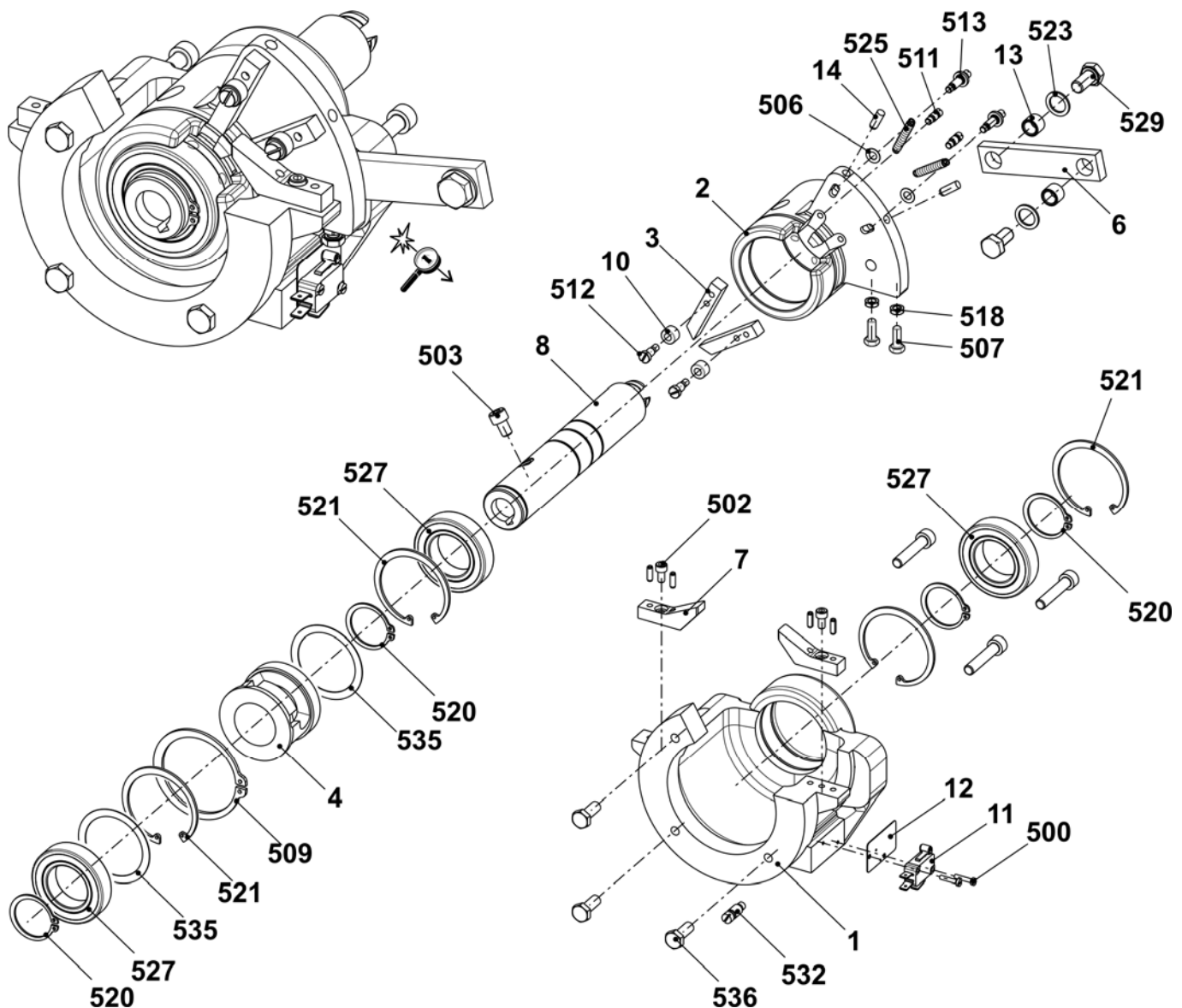
Contact shaft

Pos	Designation	ID	Pos	Designation	ID
Σ	Contact shaft co.	243 265			
1	Contact lever	243 262	3	Shaft	211112
a	Pressure roller	243 551	4	Intermediate ring	030 689
b	Pressure roller	243 552	500	Setting pin 8x34	020 699
c	Knurled screw	242 331	501	Locking ring 24x1.2	020 975
511	Locking ring 12x1	020 951	502	Needle roller bearing NA4901	021 746
2	Contact lever on the left	243 263			
a	Pressure roller	243 551			



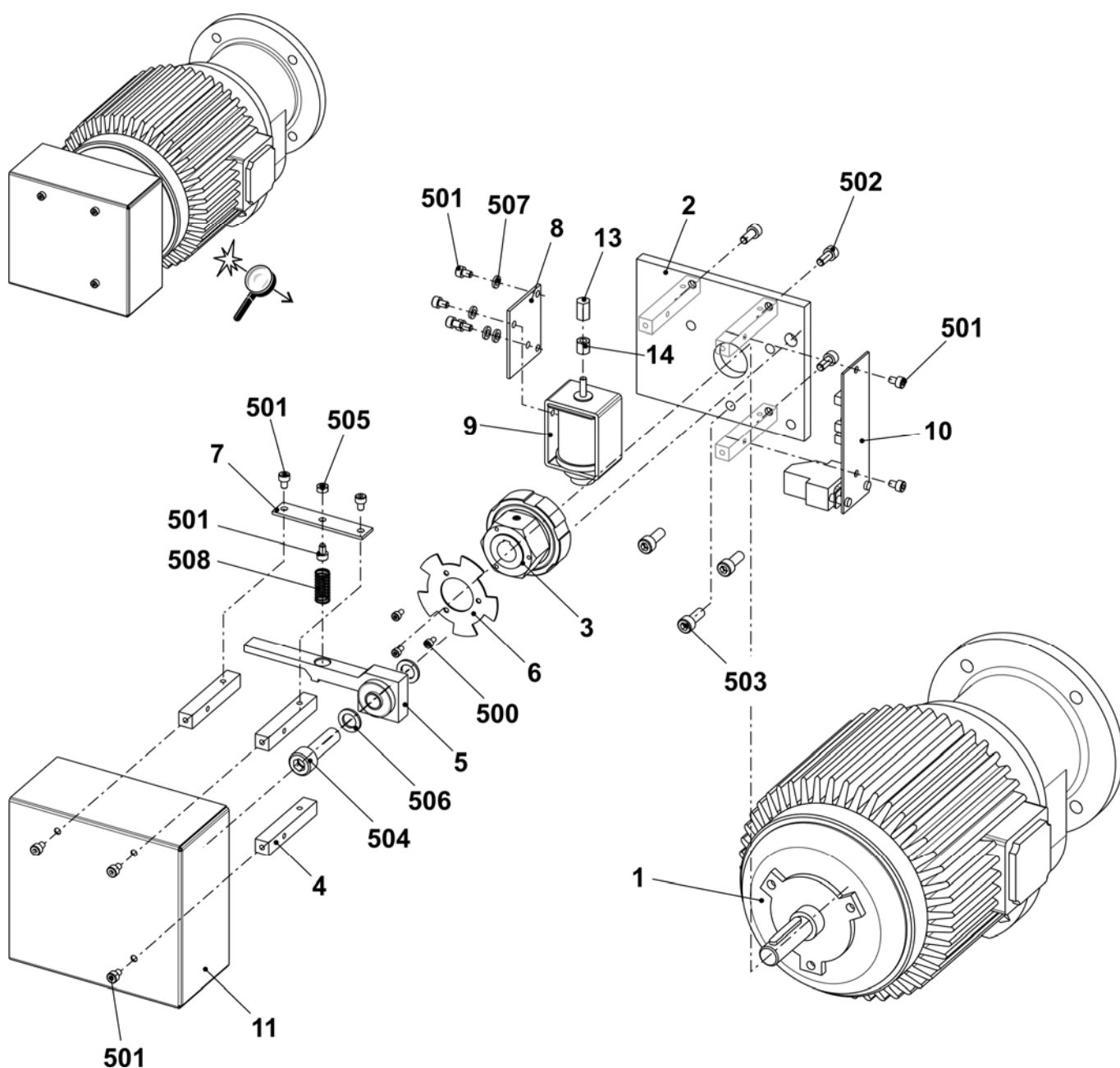
Take-down gear assembly

Pos	Designation	ID	Pos	Designation	ID
Σ	Take-down gear assembly co.		506	Washer 6.4x12x0.3	022 737
1	Main bearing	204 292	507	Hexagon screw M6X16	020 356
2	Bearing housing	204 293	509	Locking ring 80x2.5	023 225
3	Slider	204 314	511	Cap screw M5x11x17	204 318
4	Driver sleeve	204 313	512	Shoulder screw M5x8x8	020 247
6	Strap	204 323	513	Shoulder screw M5x12.5x29-5.8	204 317
7	Ramp	209 281	518	Hexagon nut M6-04	020 855
8	Drive shaft	211 127	520	Locking ring 35x1.5	023 139
10	Roll	207 077	521	Locking ring 62x2	020 986
11	Microswitch	026 259	523	Supporting disk S 14x20x1.5	023 223
12	Insulating disk	048 012	525	Tension spring 6x0.65x20	021 187
13	Sleeve	207 078	527	Ball bearing 6007-2Z	023 140
14	Damping pin	200 919	529	Hexagon screw M10X20	020 366
500	Cap screw M3x15	020 009	532	Shoulder screw M6x17x24-5.8	023 178
502	Cap screw M5x10	022 918	535	Shim ring 50x62x0.5	023 226
503	Cap screw M8X12	023 138	536	Hexagon screw M8x20	020 361



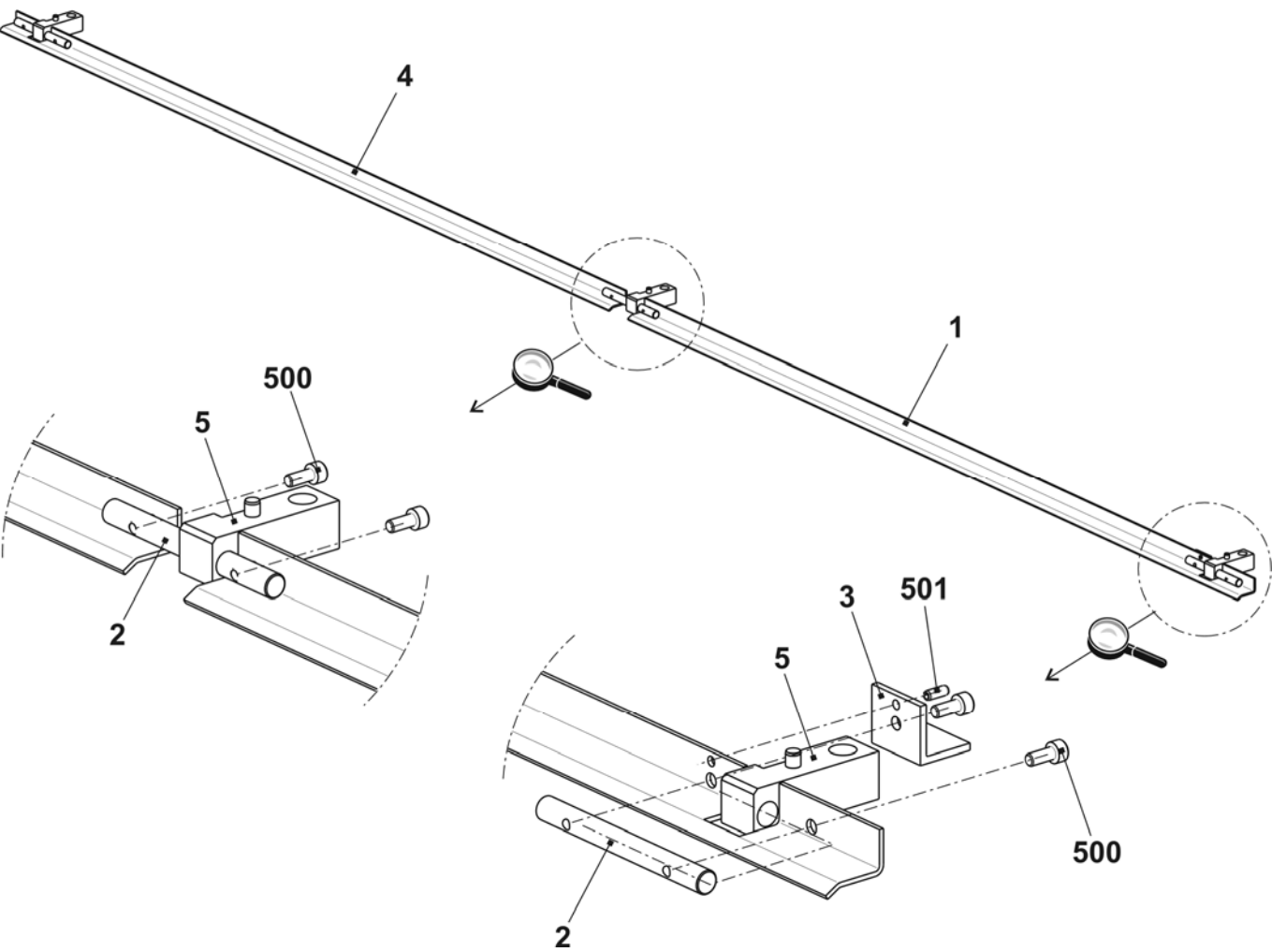
Take-down motor with block

Pos	Designation	ID	Pos	Designation	ID
Σ	Take-down motor with block				
1	Motor of main take-down	217 602	13	Thrust piece	202 940
2	Base plate	204 643	14	Nut	202 941
3	Hub switching ring	208 934	500	Cap screw M3x6-12.9	022 589
4	Bolt	202 933	501	Cap screw M4x6	023 067
5	Catch co.	211 560	502	Cap screw M5x12	020 132
6	Impulse disc WA1	202 751	503	Cap screw M6x16	020 135
7	Bridge	202 936	504	Cap screw M10x1x35	023 364
8	Plate	205 139	505	Hexagon nut M4-6	020 834
9	Catch magnet	026 042	506	Shim ring 10x16x1.5	023 261
10	Card for impulse giver of rotary field motor	300 487	507	Lock washer	022 482
11	Cover	244 448	508	Compression spring 0.7x8.8x35	023 028

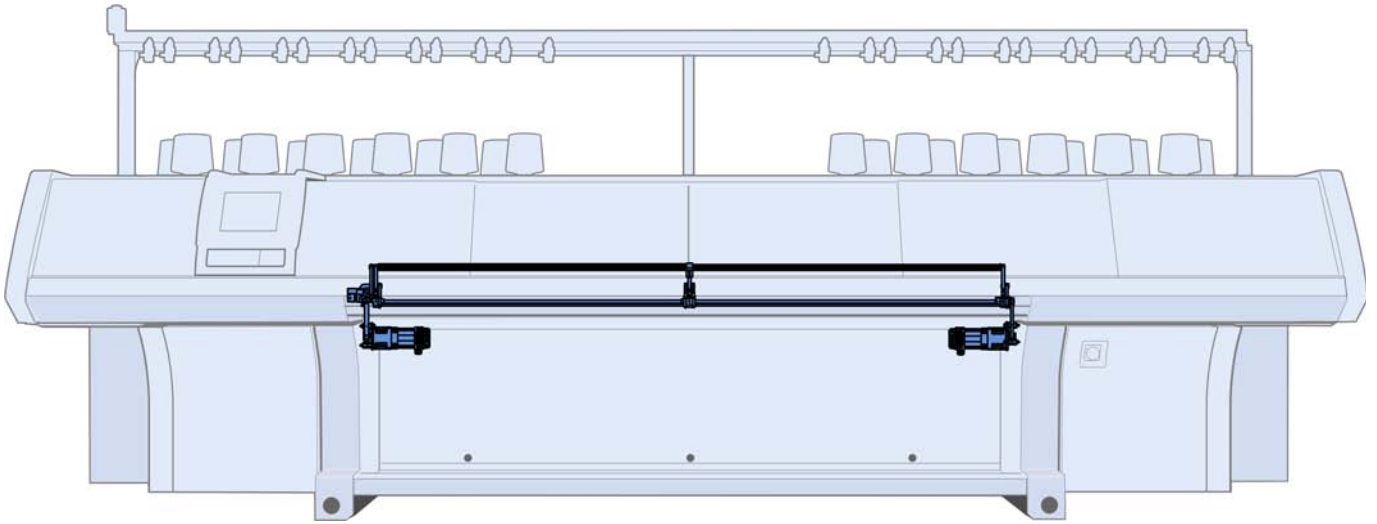


Fabric stripper

Pos	Designation	ID	Pos	Designation	ID
Σ	Fabric stripper	211 207	4	Stripping plate on the left	211 151
1	Stripping plate on the right	211 150	5	Bearing	211 152
2	Axle	211 218	500	Cap screw M5x12	020 132
3	Lever	211 215	501	Spring dowel sleeve 4x10	020 781

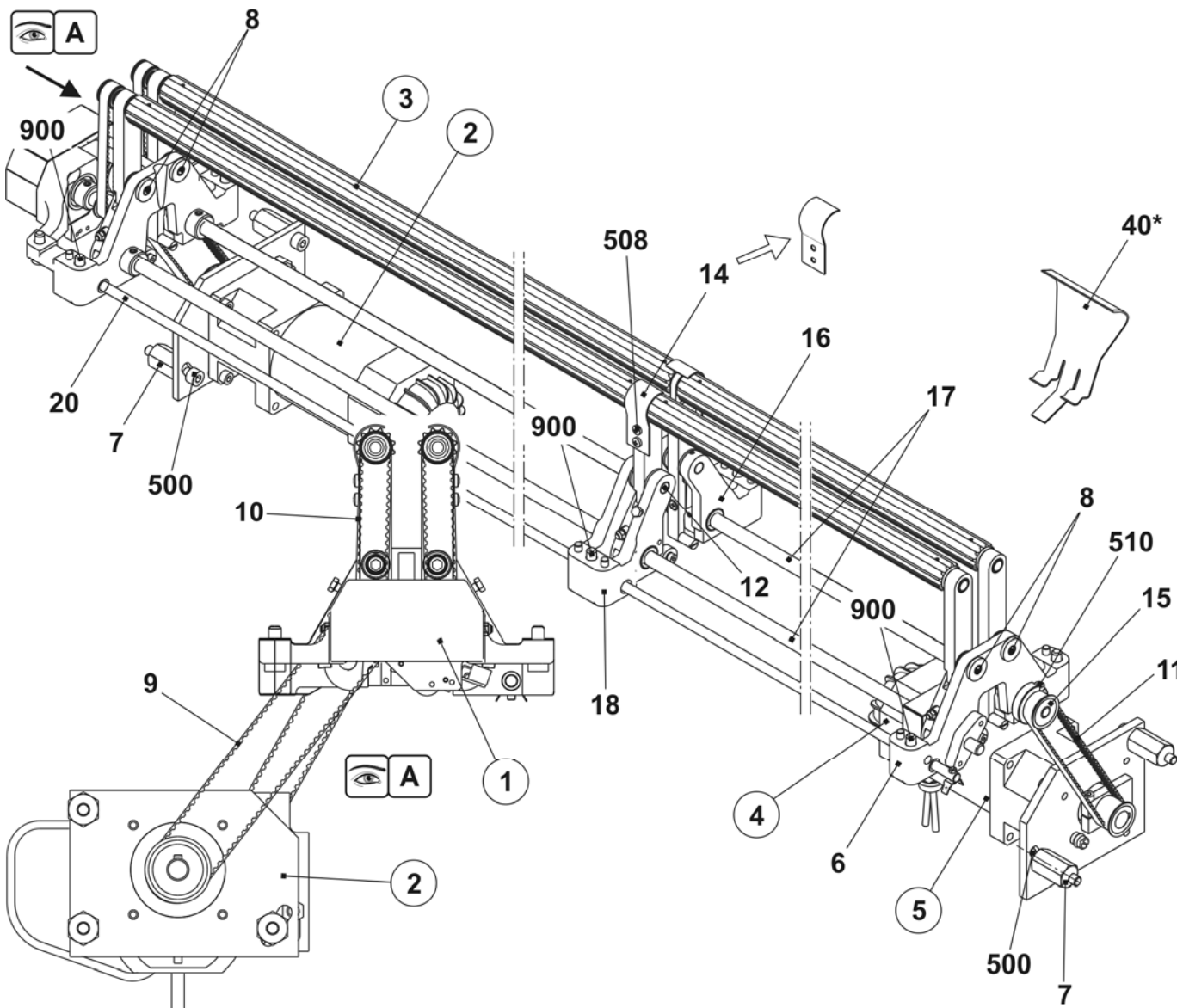


Auxiliary take-down



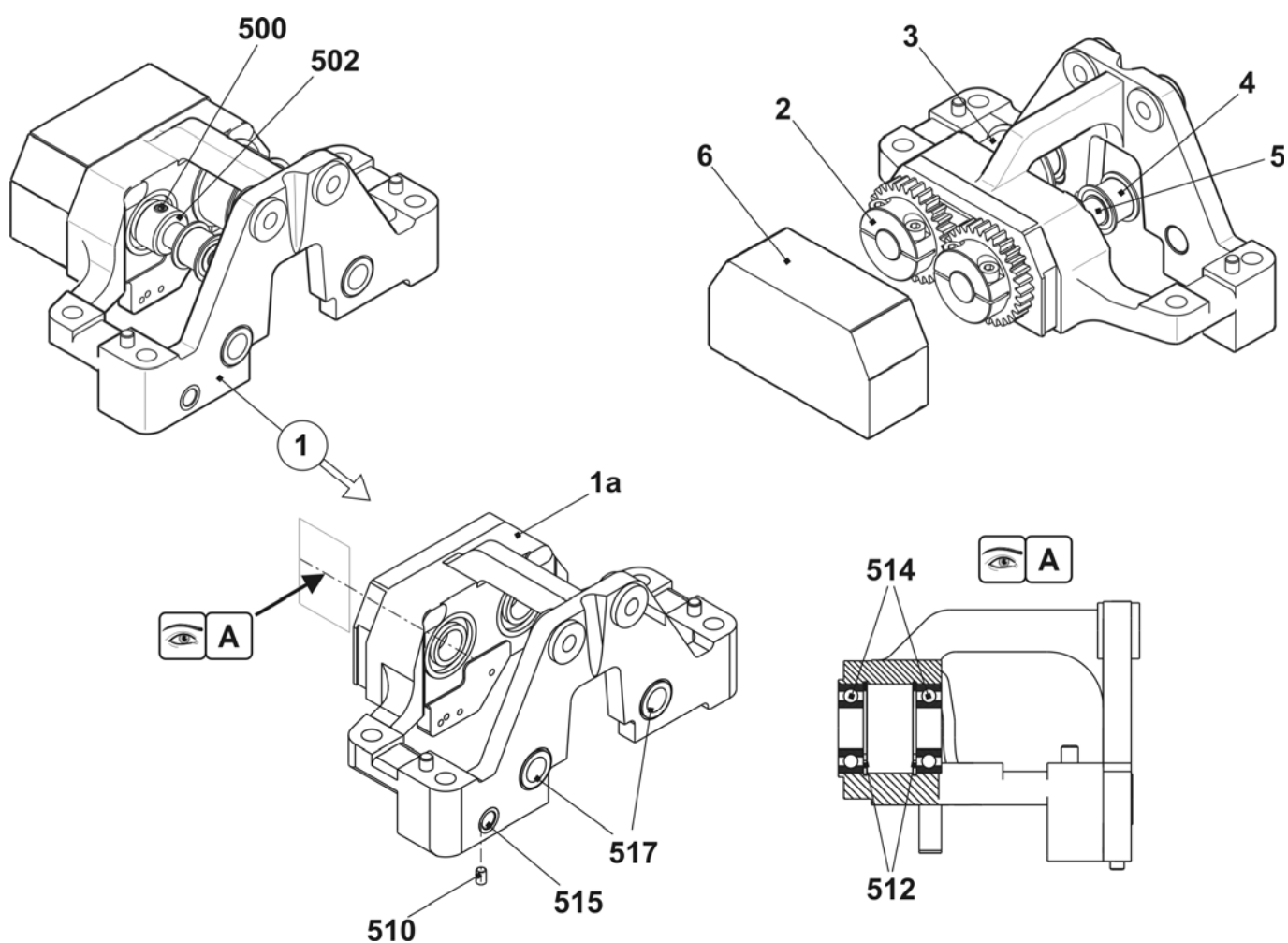
Auxiliary take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Auxiliary take-down	239 084	12	Bolt	225 782
1	Main bearing co.	239 081	14	Cover	211 093
2	Motor biphase co.	239 056	15	Timing belt pulley Z16 T5	207 575
3	Take-down roller co.	227 517	16	Bearing at the rear in the middle	227 520
4	Gear	211 204	17	Shaft	210 869
5	Motor biphase co.	239 073	18	Bearing at the front and in the middle	227 524
6	Bearing on the right	227 522	20	Contact rod	211 195
7	Stay bolt	238 991	40*	Fabric sensor	208 200
8	Bolt	227 363	500	Cap screw M8X20	020 141
9	Toothed belt 16t5/525	207 635	508	Countersunk screw M4x8	023 036
10	Toothed belt 10t5/280	207 633	510	Cap screw M5x16-8.8	023 141
11	Toothed belt 10t5/420	239 036	900	Cap screw M8x35	020 144



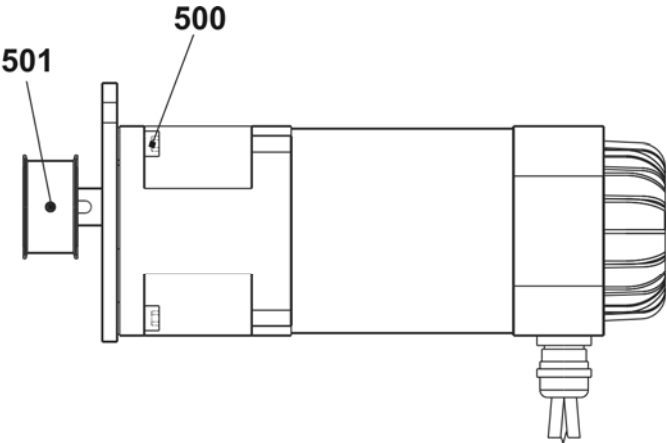
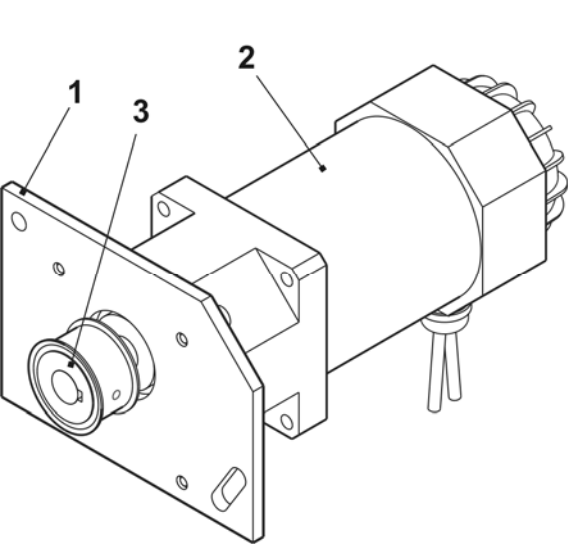
Main bearing

Pos	Designation	ID	Pos	Designation	ID
Σ	Main bearing co.	239 081			
1	Main bearing pre-assembled	227 529	2	Gear wheel	209 428
1a	Main bearing	210 610	3	Timing belt pulley	209 436
510	Set screw M5x6	022 580	4	Timing belt pulley	210 555
512	Locking ring 32x1.2	023 355	5	Shaft	211 141
514	Deep groove ball bearing 6002-2ZY	023 217	6	Cover	211 357
515	Slide bearing MSM-0812-08	023 353	500	Set screw M6x5	023 192
517	Slide bearing GFM -121418-10	023 352	502	Set collar A12	020 935



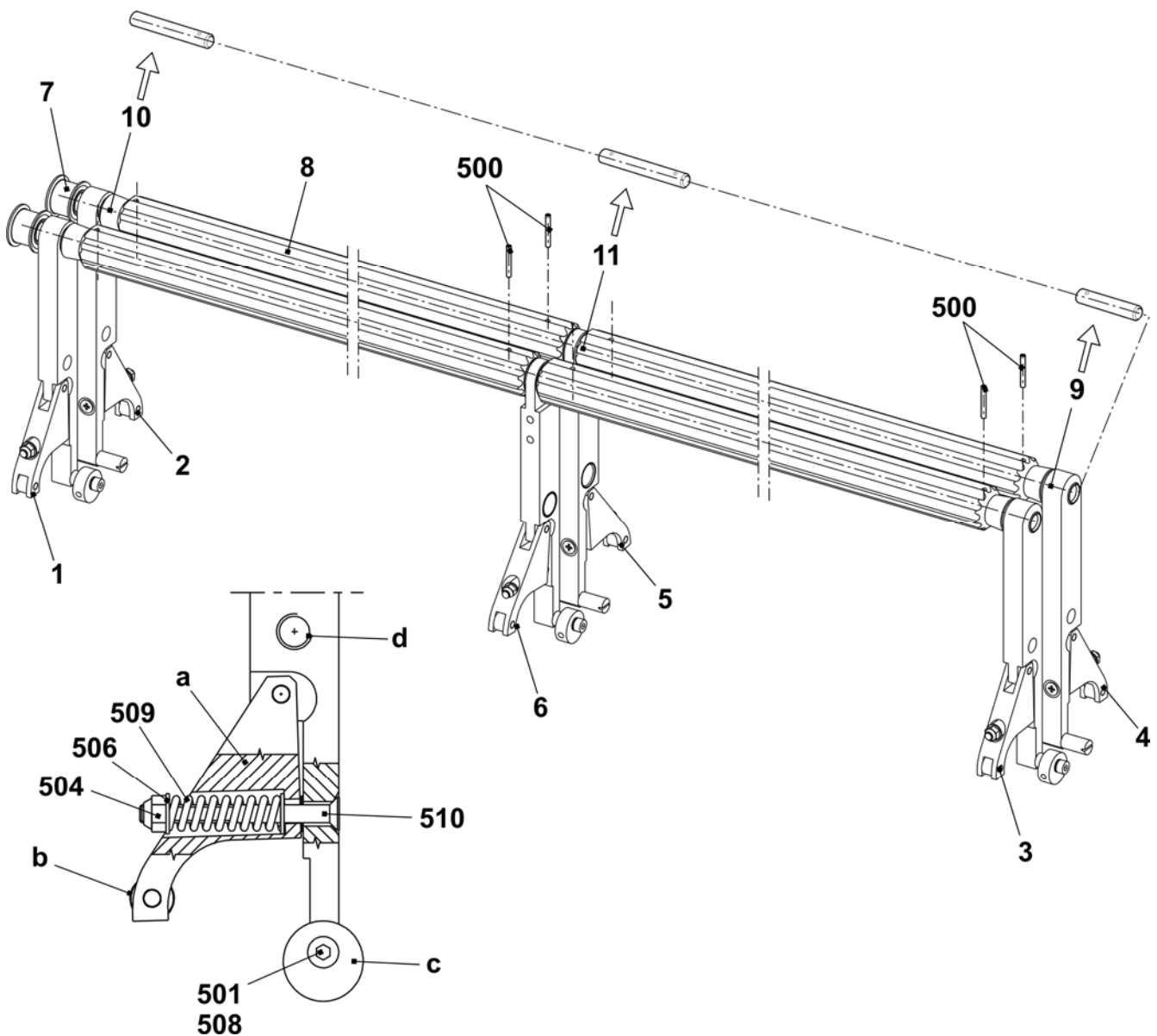
Motor on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Motor biphase co.	239 056	3	Timing belt pulley	238 060
1	Motor plate	238 061	500	Cap screw M6x16	020 135
2	Motor	234 805	501	Set screw M4x6	023 088



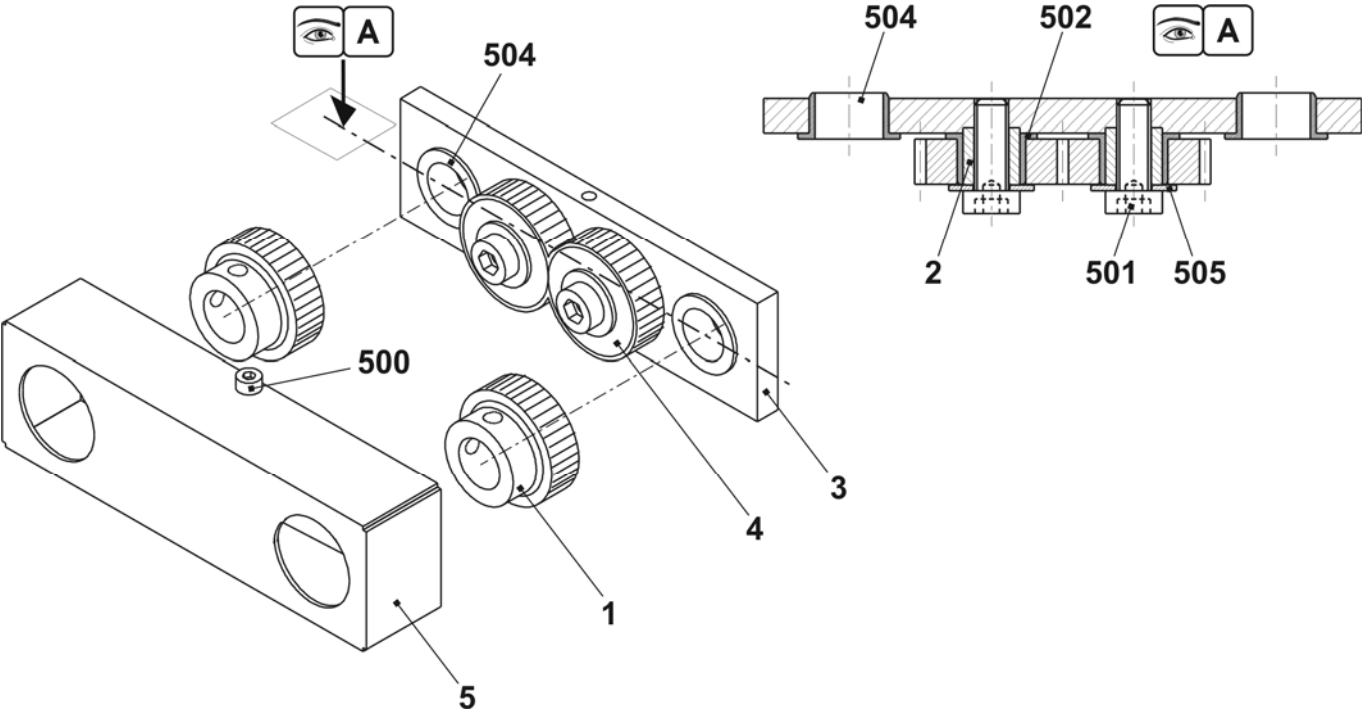
Take-down roller

Pos	Designation	ID	Pos	Designation	ID
Σ	Take-down roller co.	227 517			
1	Lever at the front on the left co.	227 511	500	Spring dowel sleeve 3x20	020 776
2	Lever at the rear on the left co.	227 512	1-6	a Tilting lever	208 434
3	Lever at the front on the right co.	227 515		b Roll	200 577
4	Lever at the rear on the right co.	227 516		c Eccentric	208 486
5	Lever at the rear in the middle co.	227 513		d Slide bearing	023 655
6	Lever at the front in the middle co.	227 514	501	Cap screw M4x20	023 171
7	Timing belt pulley	225 910	504	Hexagon nut M4-6	023 046
8	Take-down roller	225 783	506	Washer 4-200HV	020 870
9	Bolt	225 782	508	Circlip S4	022 774
10	Bolt	225 781	509	Compression spring 1.6x6.4x27.1	023 288
11	Bolt	225 536	510	Countersunk screw M4x45	023 291



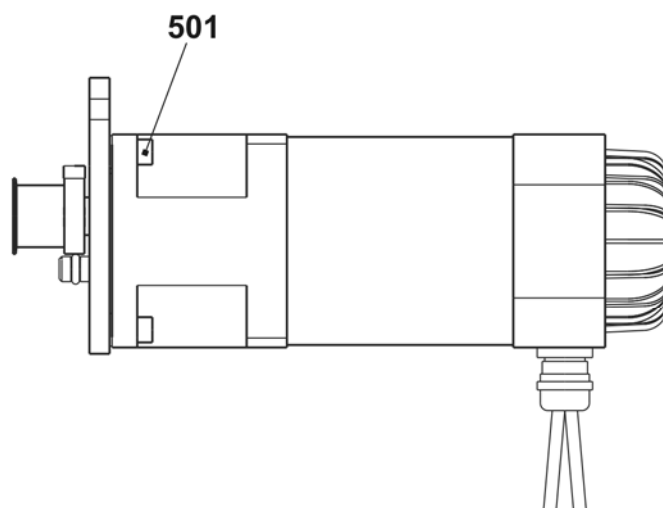
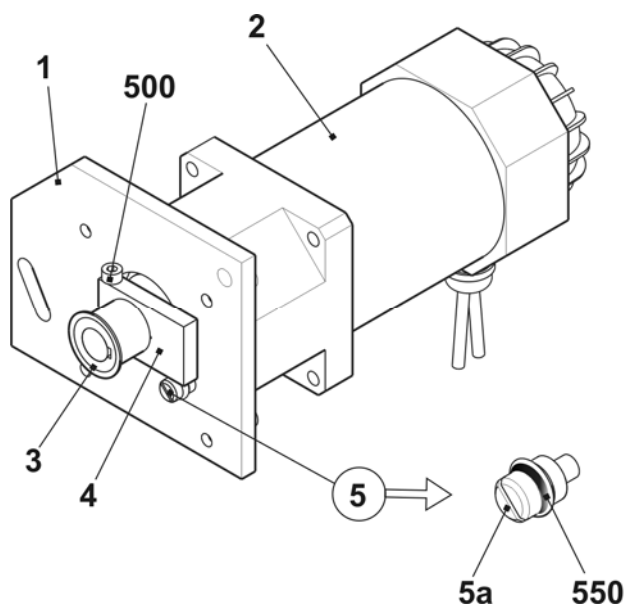
Gear

Pos	Designation	ID	Pos	Designation	ID
Σ	Gear	211 204	500	Cap screw M3x6	022 589
1	Gear wheel	208 101	501	Cap screw M6x16	023 116
2	Sleeve	211 136	502	Slide bearing GFM-101216-09	023 356
3	Strap	211 134	504	Slide bearing GFM-121418-08	023 281
4	Gear wheel	211 138	505	Washer 6.4x15x1	020 902
5	Cover	211 139			

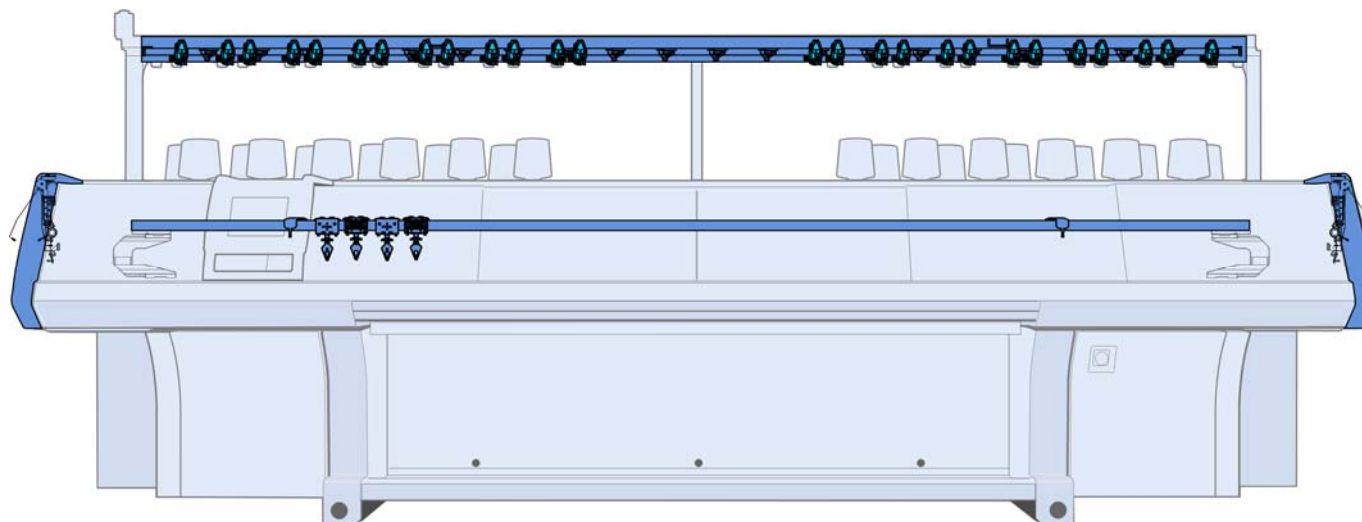


Motor on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Motor biphase co.	239 073	5	Stop point co.	208 921
1	Plate for motor	238 069	5a	Stop point	207 617
2	Motor	234 805	550	O-ring 6x3	022 856
3	Timing belt pulley Z16 T5	238 086	500	Cap screw M5x25	023 523
4	Clamping lever	238 084	501	Cap screw M6x16	020 135

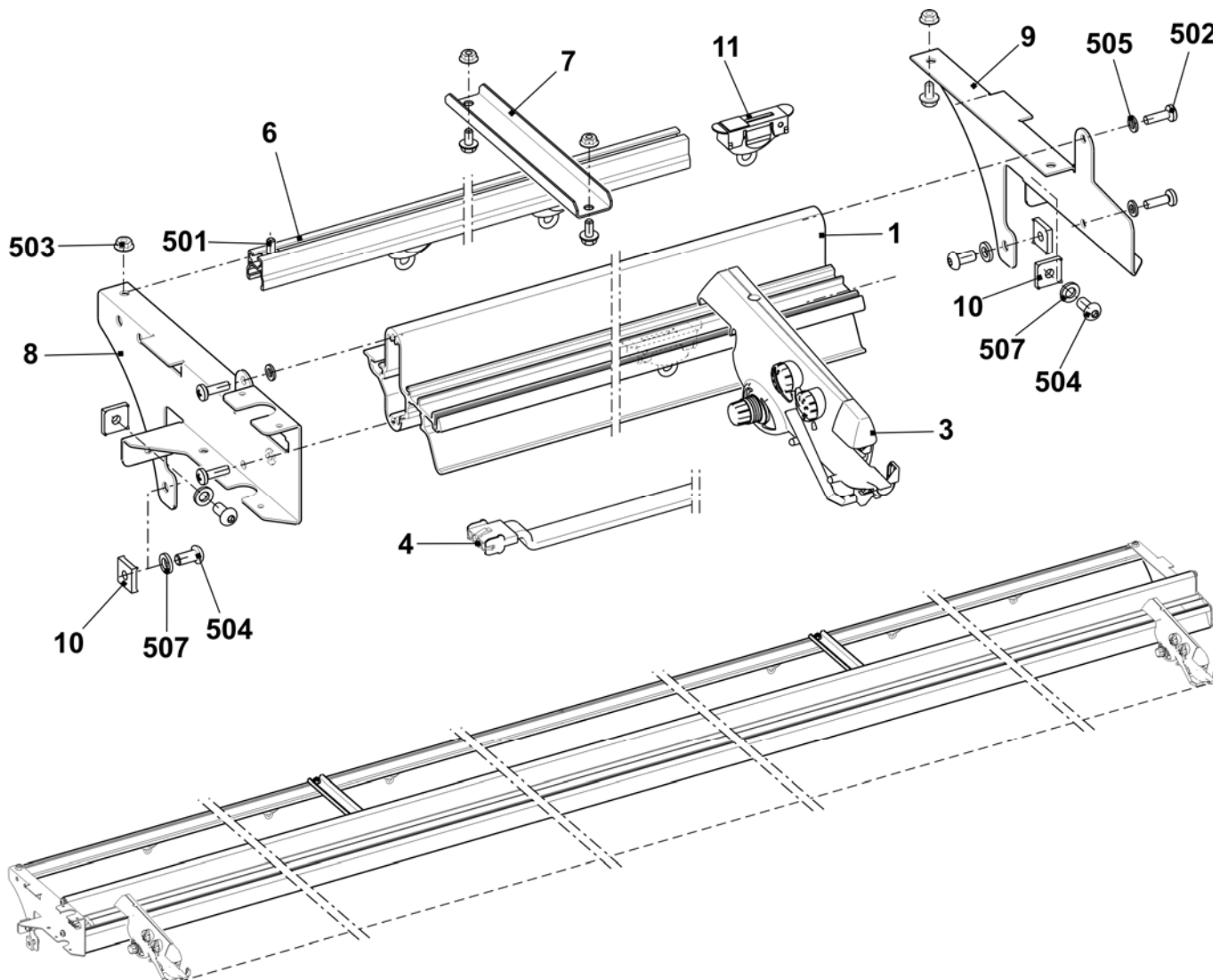


Yarn delivery device



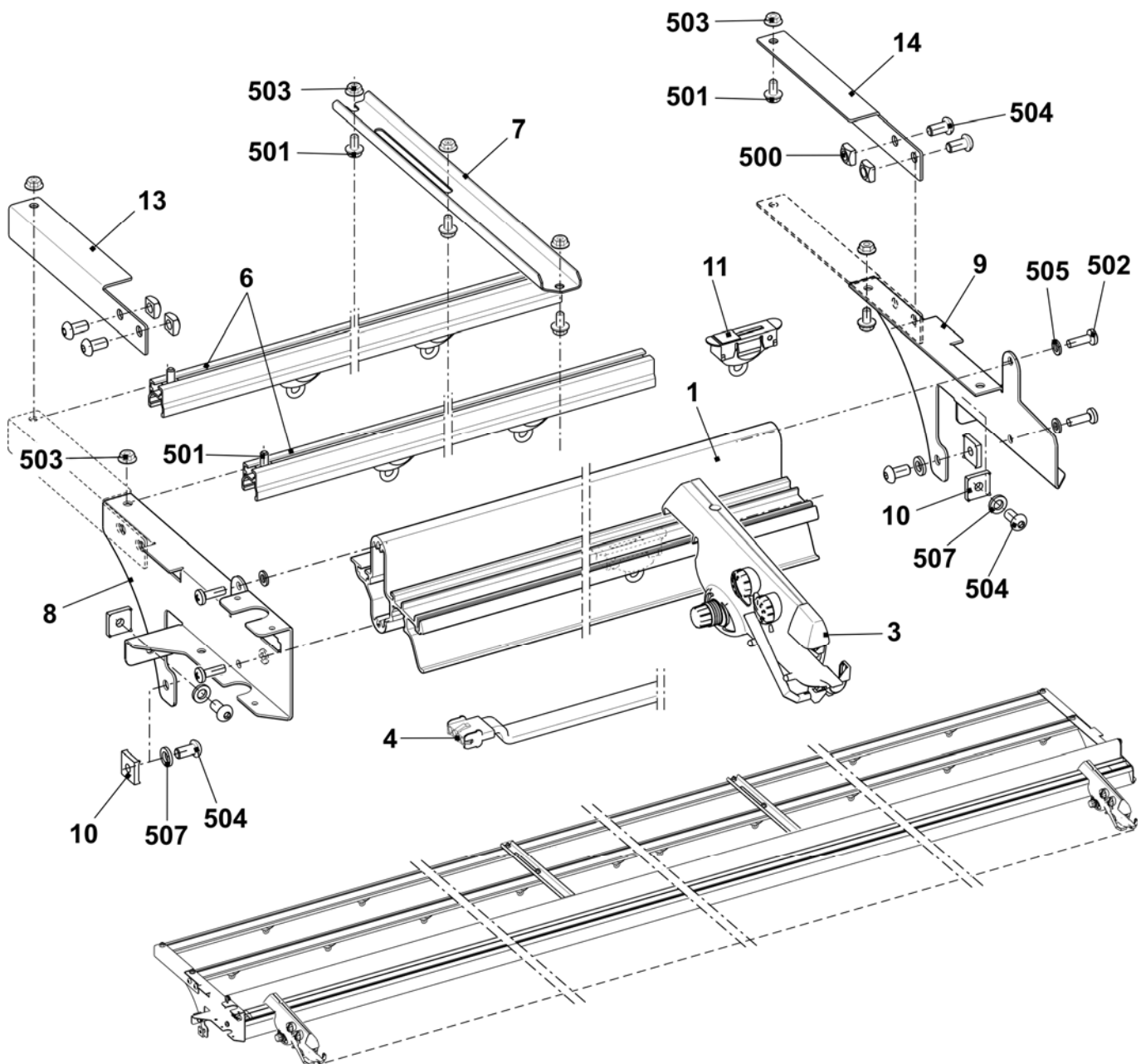
Yarn guide system from 26 up to 30 FKE

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide system 26 FKE 933	242 722	10	Sliding block	228 851
	Yarn guide system 30 FKE 933	242 723	11	Yarn guide bracket co.	241 581
1	Support	243 114	501	Self-locking screw M6x12	023 415
3	Yarn control device	237 124	502	Screw CE M6x16	023 678
4	Connection cable FKE 3 96"	240 350	503	Ribbed lock washer M6-10	023 414
6	Yarn guide bar	242 431	504	Countersunk screw M8x16	023 113
7	Support	243 792	505	Washer 6-200HV	022 431
8	Support on the left	243 600	507	Serrated lock washer J8.4	023 388
9	Support on the right	243 601			



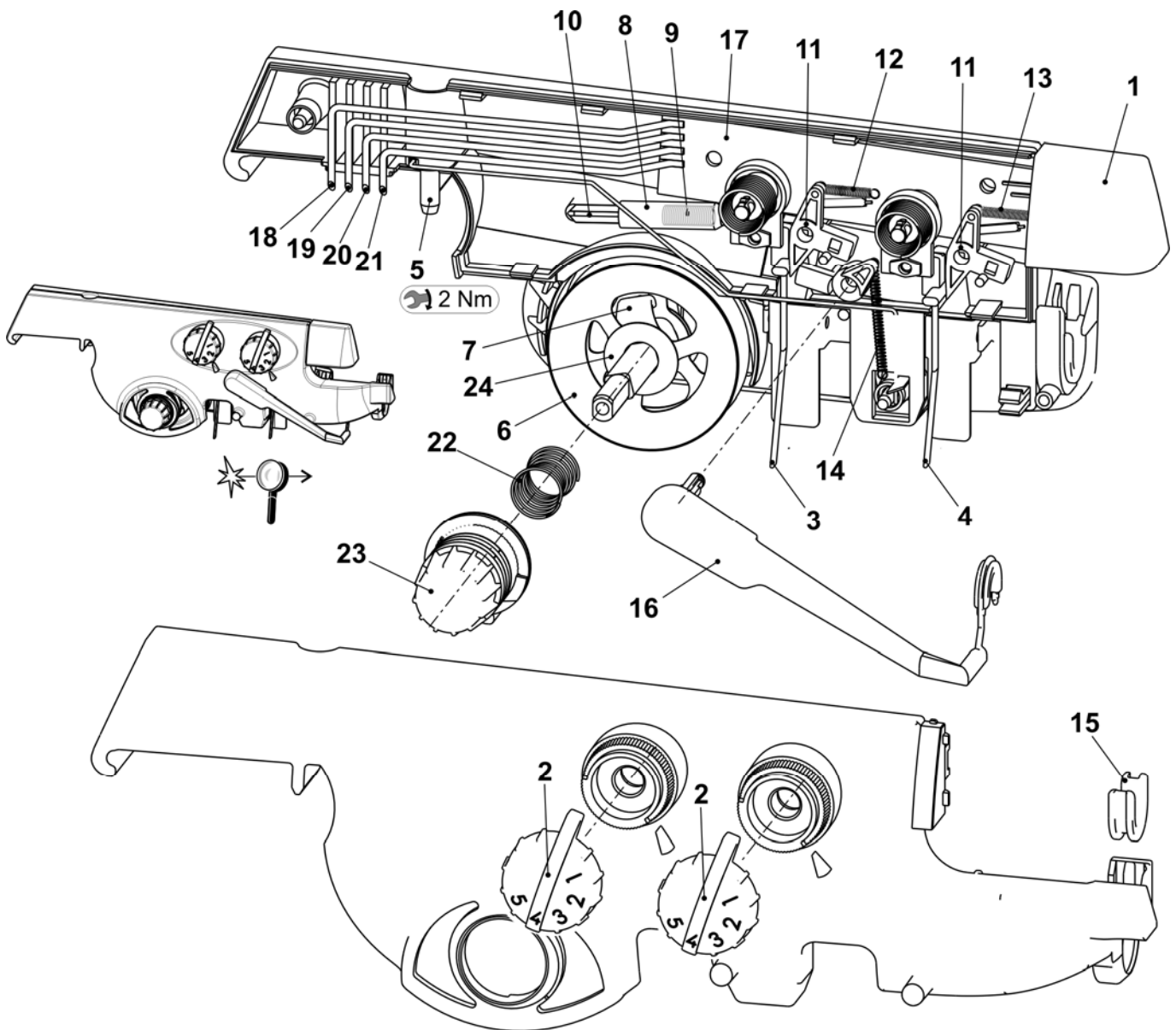
Yarn guide system with 36 FKE

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide system 36 FKE 933	242 447	13	Support on the left	243 602
1	Support	243 114	14	Support on the right	243 603
3	Yarn control device	237 124	500	Square nut M8	023 269
4	Connection cable FKE 3 96"	240 350	501	Self-locking screw M6x12	023 415
6	Yarn guide bar	242 431	502	Screw CE M6x16	023 678
7	Support	239 295	503	Ribbed lock washer M6-10	023 414
8	Support on the left	243 600	504	Countersunk screw M8x16	023 113
9	Support on the right	243 601	505	Washer 6-200HV	022 431
10	Sliding block	228 851	507	Serrated lock washer J8.4	023 388
11	Yarn guide bracket co.	241 581			



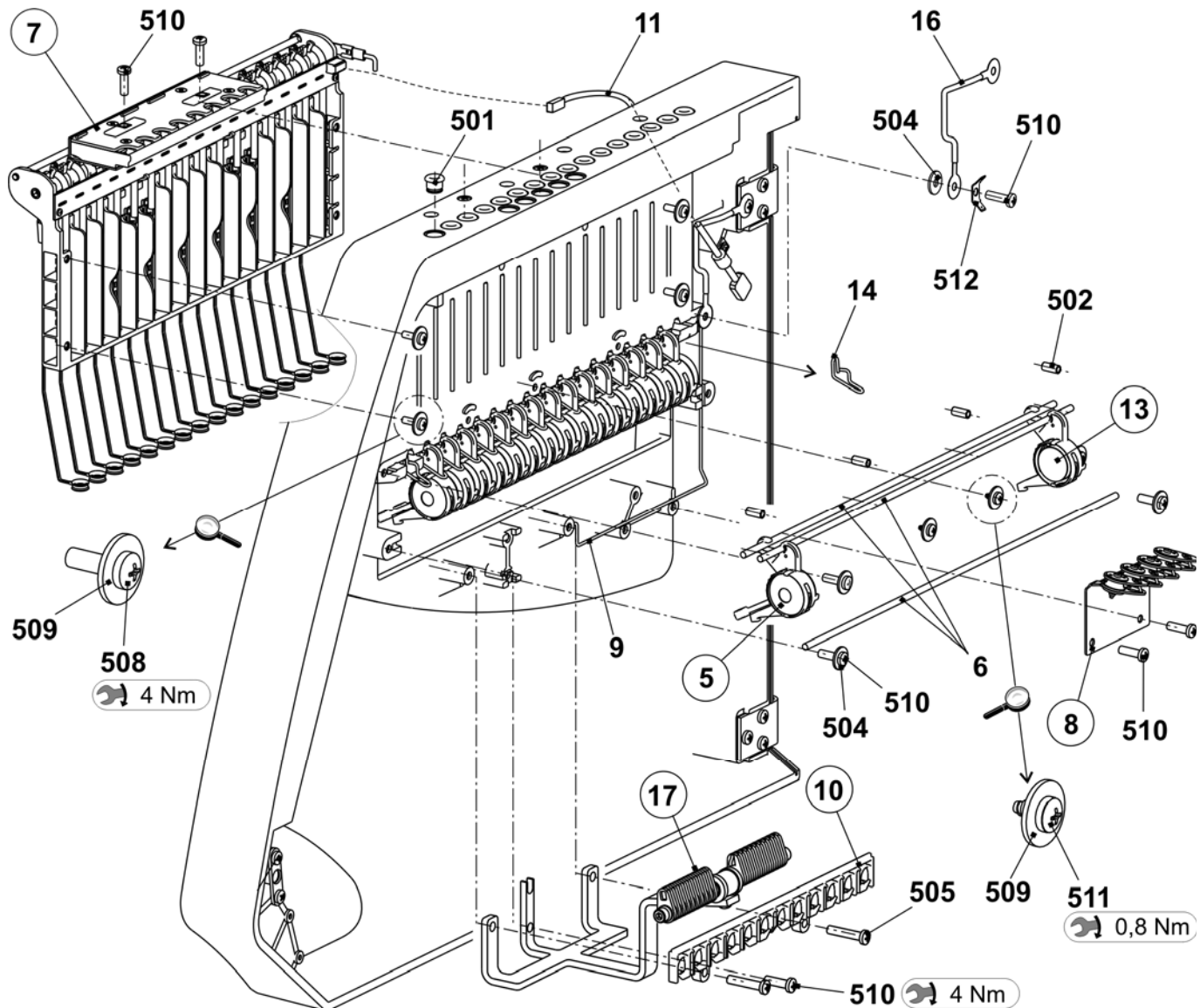
Yarn control unit

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



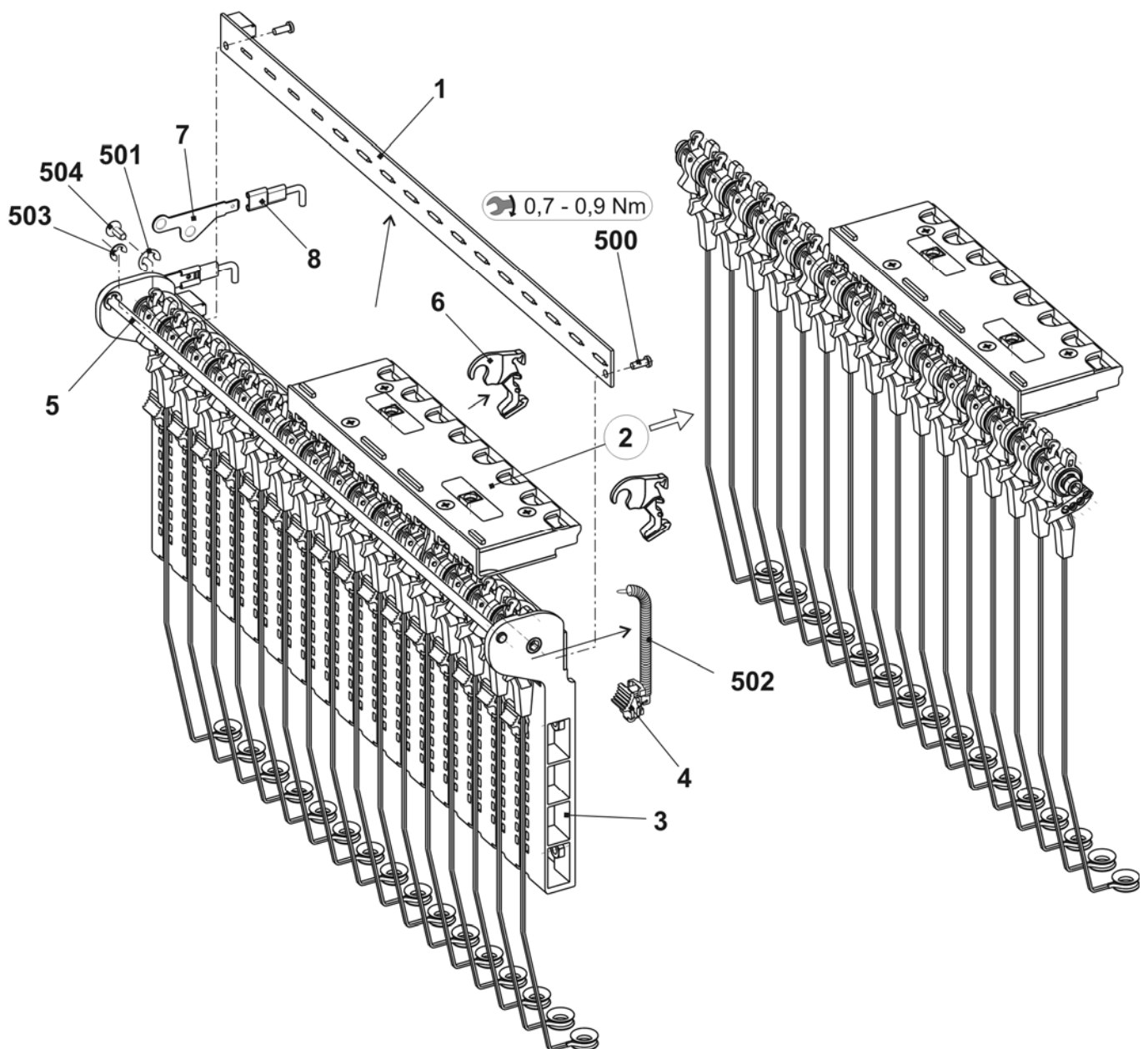
Left yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety cover on the left co.		13	Yarn brake not adjustable	244 356
	E5 + E3,5.2 + E5.2 + E5m.4 + E7m.5	242 387	14	Clamping bow	244 409
	E7 + E8 + E6.2 + E7m.8 + E8m.7	242 388	16	Ground cable	244 404
	E10 + E12 + E14 + E16 + E7.2 + E8.2 + E10m.12 + E12m.10	242 389	17	Yarn guide inside	250 412
5	Yarn brake co.	244 347	501	Ceramic eyelet	240 640
6	Shaft	241 318	502	Compression spring 0.90x5.40x13.60	241 360
7	Yarn tensioner on the left co. E5	242 994	504	U-washer	022 537
	Yarn tensioner on the left co. E7-8	242 996	505	Screw KB 60x30	237 683
	Yarn tensioner on the left co. E10-18	242 997	508	Countersunk screw M5x16	023 187
8	Deflector on the left co.	223 316	509	Disc 503x18x1.5	020 909
9	Wire bow on the left	241 370	510	Screw KB 60x20	237 682
10	Yarn deflector	242 011	511	Sheet metal screw ST4.8x9.5-F	242 374
11	Connection cable yarn tensioner OKC	240 808	512	Flat connector 2x45 M6	243 117



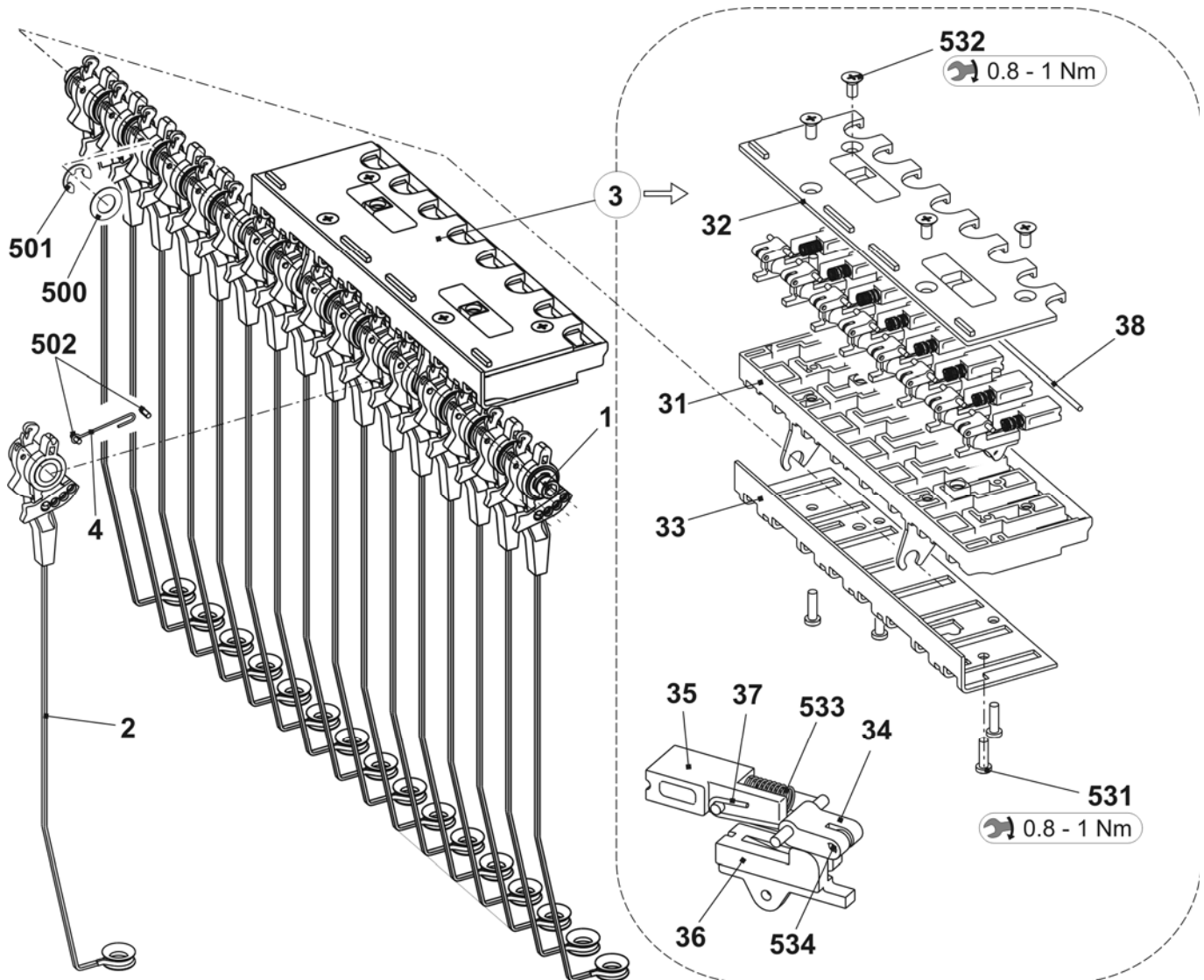
Left yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the left co.		6	Spacer	242 048
	E5 + E5m.4 + E7m.5 + E3,5.2	242 994	7	Grounding sheet metal of tension axle	243 121
	E7 + E8 + E7m.8 + E8m.7 + E6.2	242 996	8	Ground cable yarn tensioner OKC	243 105
	E10 + E12 + E14 + E16 + E10m.12 + E12m.10 + E7.2 + E8.2	242 997	500	Screw KB 30x8	236 228
1	Card yarn tensioner 16-fold on the left	241 345	501	Circlip - 6	021 022
2	Tension axle on the left co. (E5 – 8)	242 995	502	Tension spring	
	Tension axle on the left co. (E10 – 14)	242 998		Tension spring 5.05x0.55x53 (E5)	023 502
3	Housing	241 367		Tension spring 4.9x0.5x53 (E7-E8)	023 503
4	Slider	241 694		Tension spring 4.9x0.45x53 (E10-E14)	023 504
5	Stop point	241 368	503	Circlip	021 020
			504	Countersunk screw M4x10	241 914



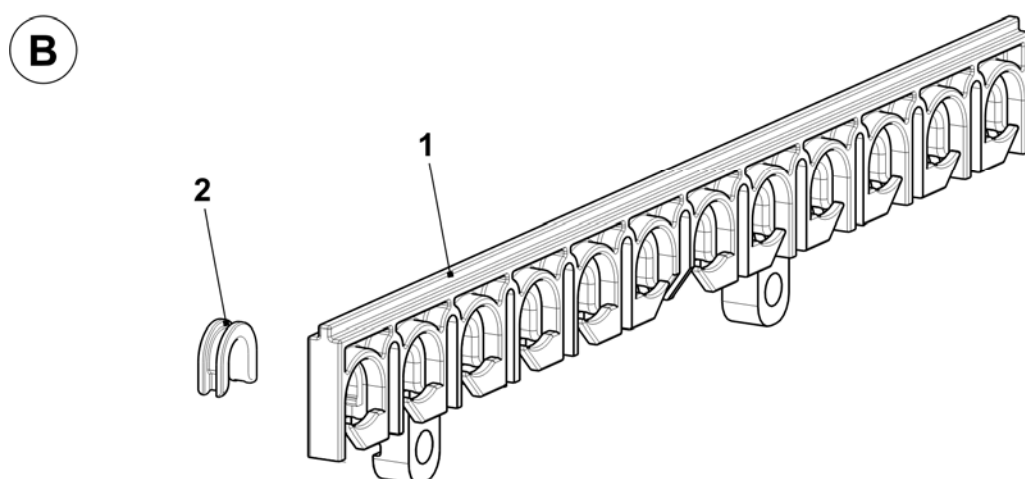
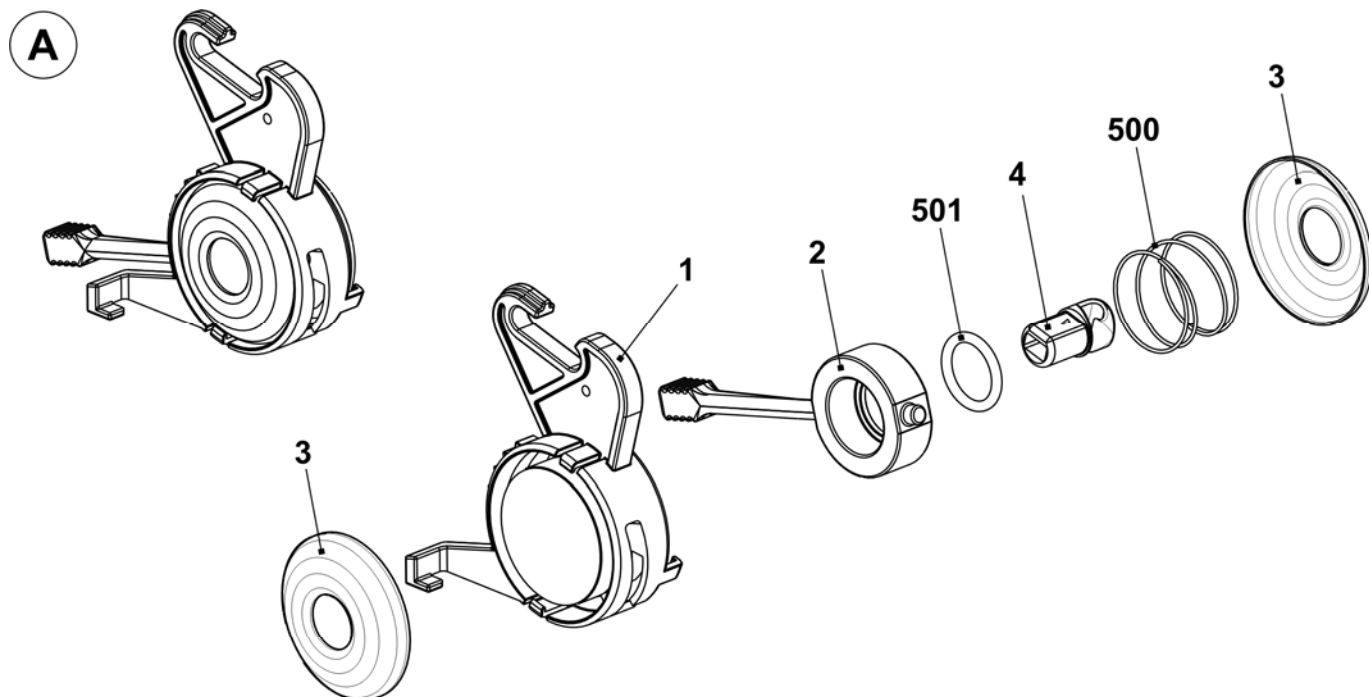
Left tension axle

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle on the left co.		31	Housing AKF	238 689
	E5 + E7 + E8 + E5m.4 + E7m.5 + E7m.8 + E8m.7 + E3,5.2 + E5.2 + E6.2 +	242 995	32	Cover AKF	237 926
	E10 + E12 + E14 + E16 + E10m.12 + E12m.10 + E7.2 + E8.2	242 998	33	Sheet metal at the bottom (housing AKF)	240 719
			34	Lever AKF	238 692
1	Axle	243 107	35	Thrust piece AKF	238 690
2	Tension arm pre-assembled E5 – E8	242 995	36	Slider AKF	238 691
	Tension arm pre-assembled E10 – E18	242 998	37	Wire bow	238 694
4	Wire bow	238 694	38	Wire	237 940
500	Shim ring 8x14x0.5	023 501	531	Screw KB 35x12	237 681
501	Circlip	021 022	532	Screw KB 40x8	236 227
502	Grooved pin 2x6	243 172	533	Compression spring 0.30x4.50x18.50	241 437
3	Thread clamp AKF	238 695	534	Grooved pin 2x6	243 172



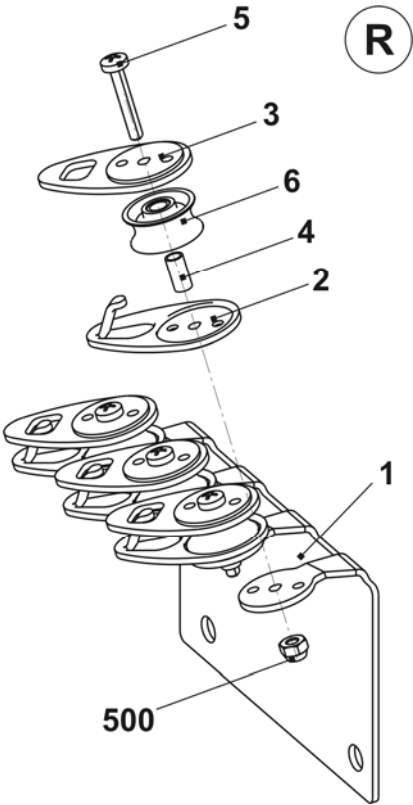
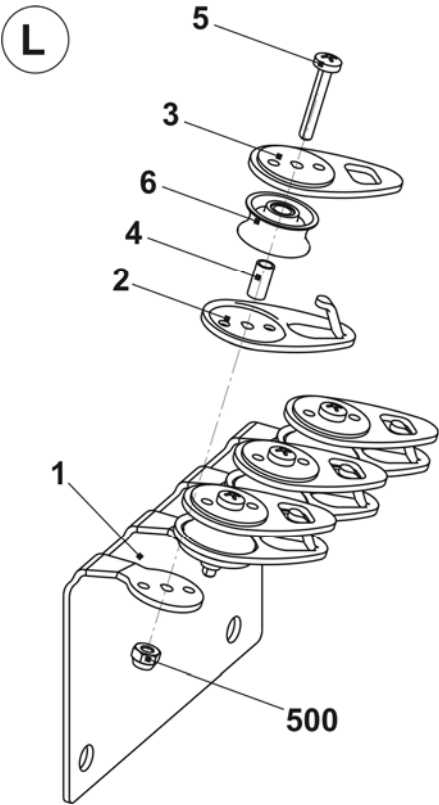
Yarn brake and yarn deflector

Pos	Designation	ID	Pos	Designation	ID
A	Yarn brake co.	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			



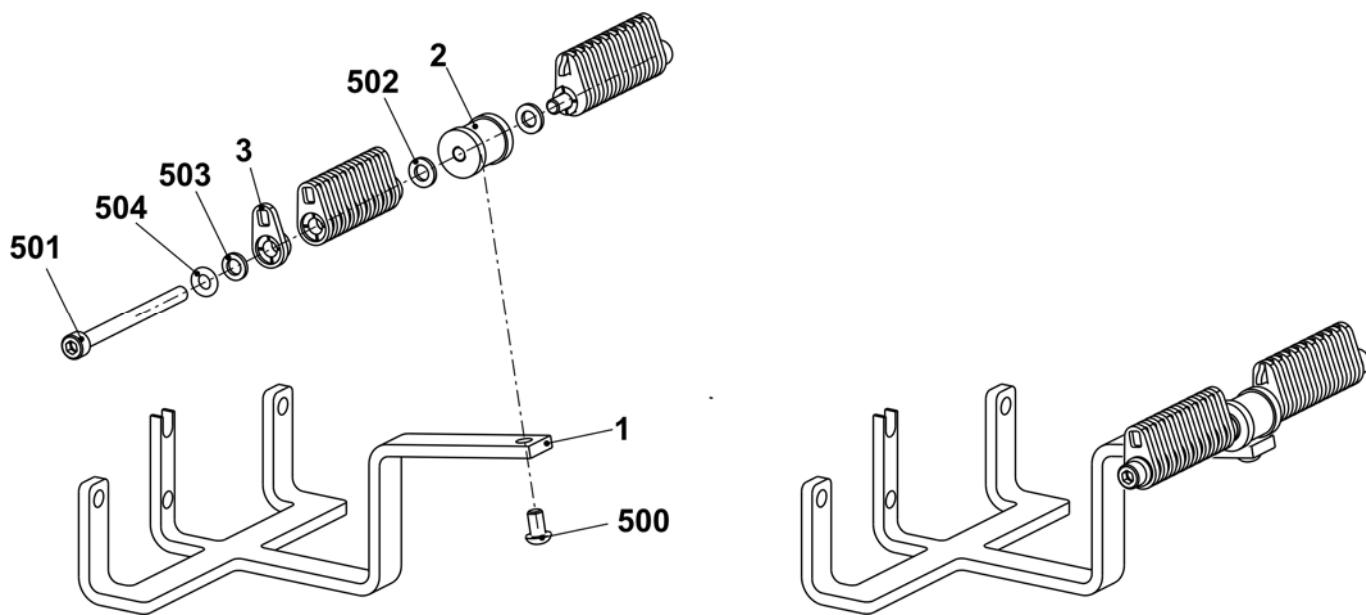
Deflector

Pos	Designation	ID	Pos	Designation	ID
Σ	Deflector on the left	223 316	Σ	Deflector on the right	223 049
1	Roller support on the left	223 312	1	Roller support on the right	223 044
2	Yarn holder	217 362	2	Yarn holder	217 362
3	Yarn holder	217 363	3	Yarn holder	217 363
4	Sleeve	219 222	4	Sleeve	219 222
5	Screw	223 298	5	Screw	223 298
6	Roller deflector	218 805	6	Roller deflector	218 805
500	Hexagon nut M3-6	022 884	500	Hexagon nut M3-6	022 884



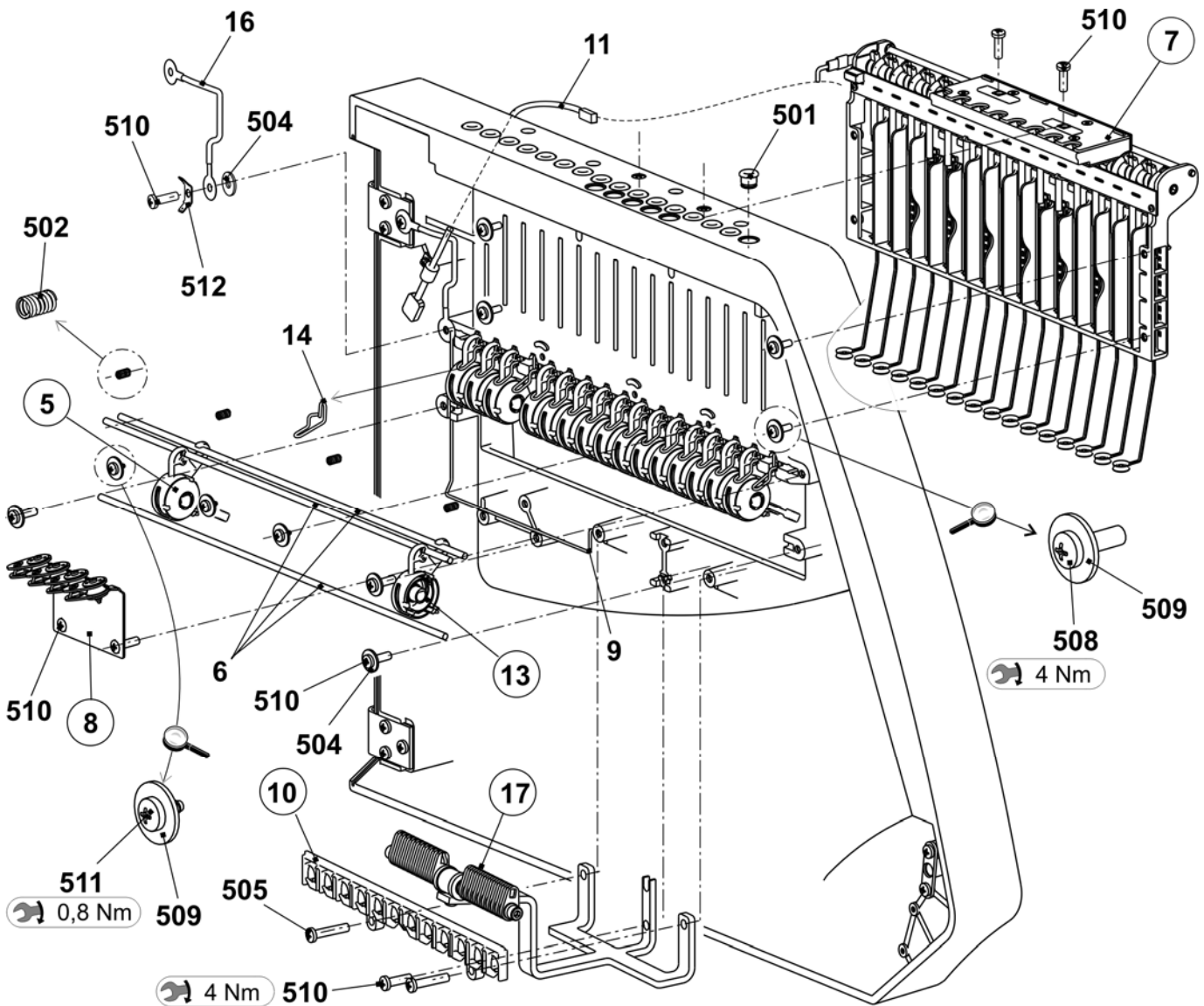
Yarn guide inside

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide inside	250 412			
1	Holding bow	250 413	501	Cap screw M6x75	022 956
2	Bolt	214 894	502	U-washer 6	022 853
3	Yarn carrier MH 6	200 127	503	U-washer 6	020 881
500	Countersunk screw M6x10	023 183	504	O-ring 6x3	022 856



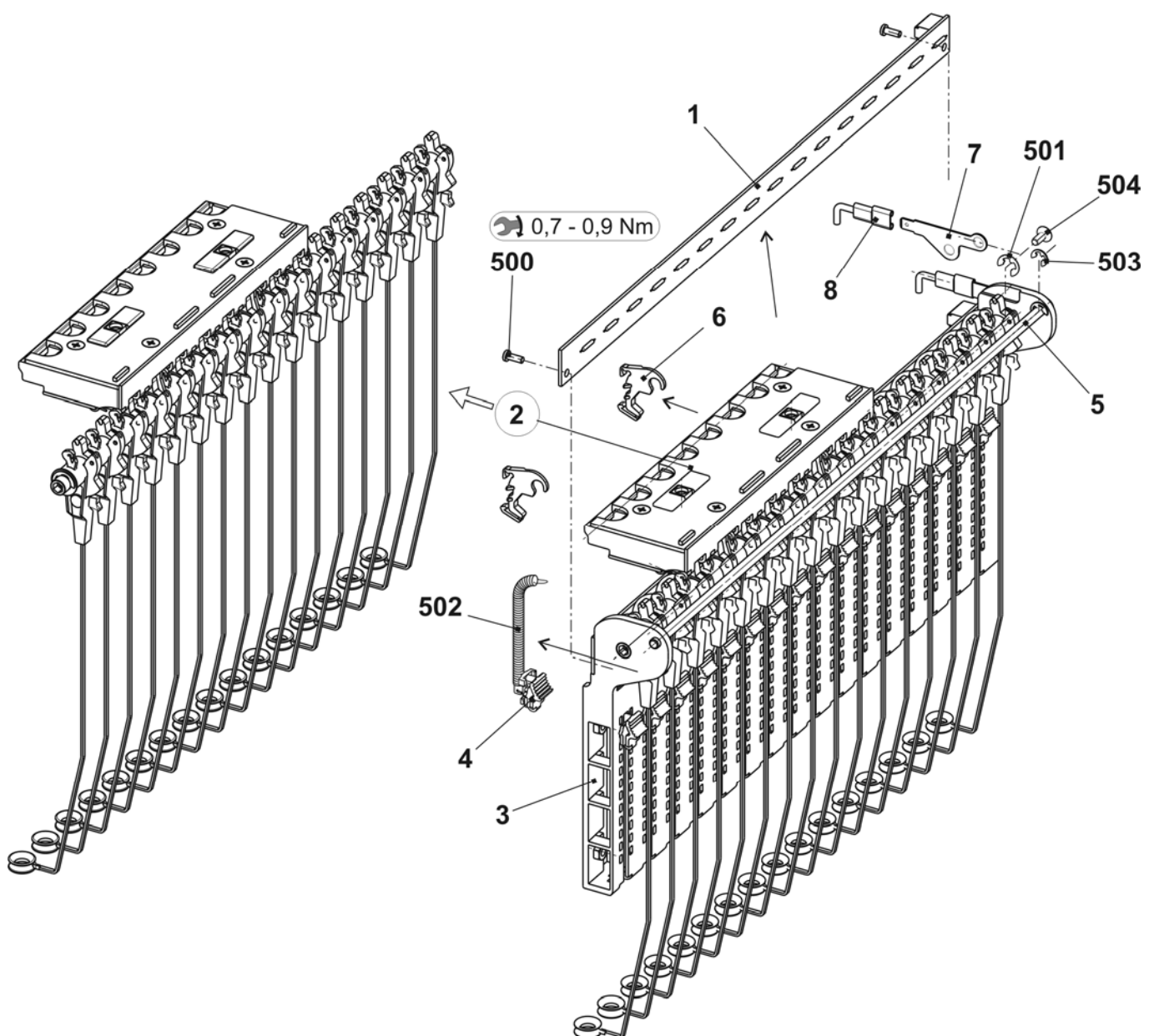
Right yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety cover on the right co.				
	E5 + E3.5.2 + E5.2 + E5m.4 + E7m.5	242 390	13	Yarn brake not adjustable	244 356
	E7 + E8 + E6.2 + E7m.8 + E8m.7	242 391	14	Clamping bow	244 409
	E10 + E12 + E14 + E16 + E7.2 + E8.2 + E10m.12 + E12m.10	242 392	16	Ground cable	244 404
5	Yarn brake co.	244 347	17	Yarn guide inside	250 412
6	Shaft	241 318	501	Ceramic eyelet	240 640
7	Yarn tensioner on the right co. E5	242 999	502	Compression spring 0.90x5.40x13.60	241 360
	Yarn tensioner on the right co. E7-8	243 000	504	U-washer	022 537
	Yarn tensioner on the right co. E10-18	243 001	505	Screw KB 60x30	237 683
8	Deflector on the right co.	223 049	508	Countersunk screw M5x16	023 187
9	Wire bow on the right	241 369	509	Disc 503x18x1.5	020 909
10	Yarn deflector	242 011	510	Screw KB 60x20	237 682
11	Connection cable yarn tensioner OKC	240 808	511	Sheet metal screw ST 4.8x9.5-F	242 374
			512	Flat connector 2x45 M6	243 117



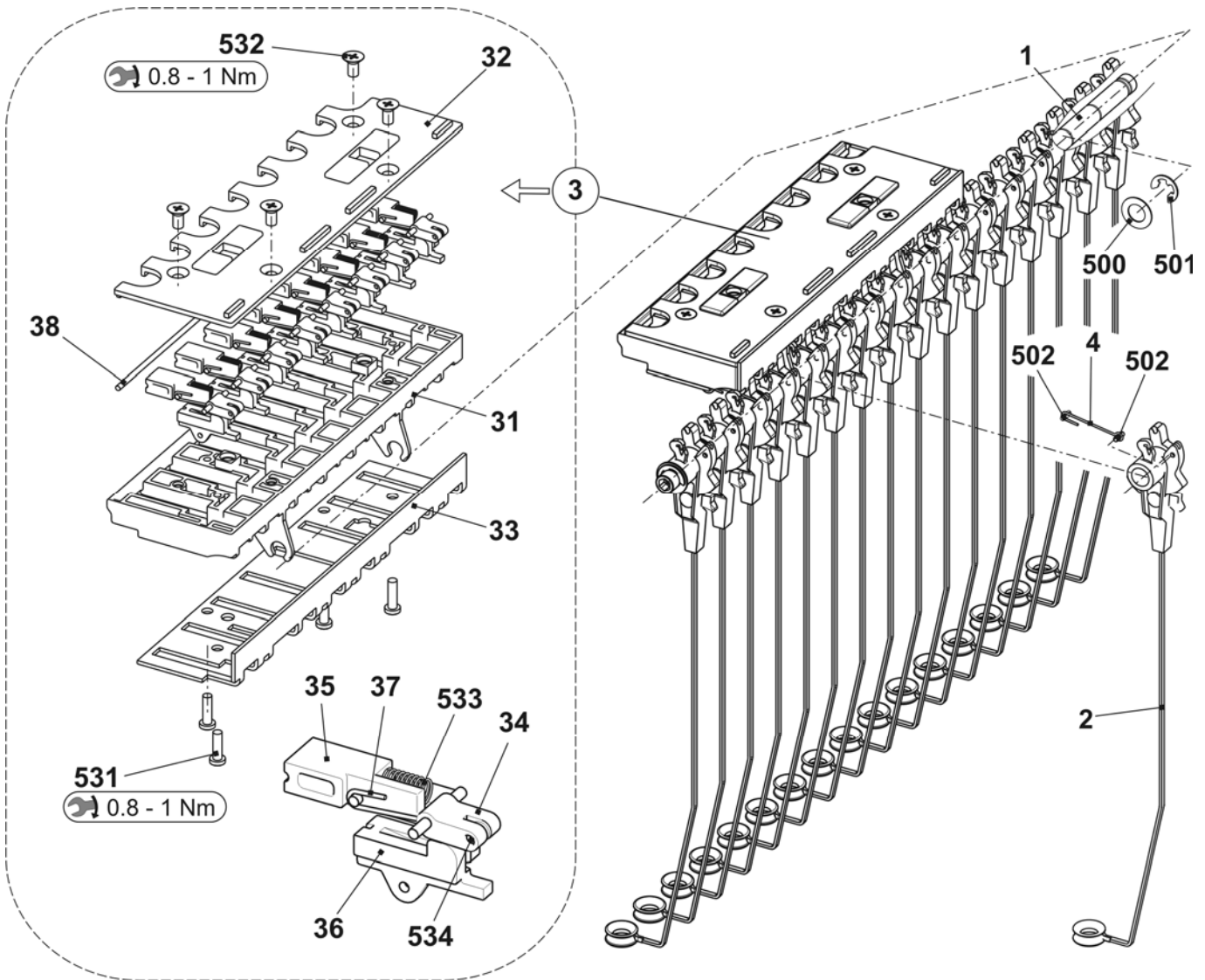
Right yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the right co.		6	Spacer	242 048
	E5 + E5m.4 + E7m.5 + E3,5.2	242 999	7	Grounding sheet metal of tension axle	243 121
	E7 + E8 + E7m.8 + E8m.7 + E6.2	243 000	8	Ground cable yarn tensioner OKC	243 105
	E10 + E12 + E14 + E16 + E10m.12 + E12m.10 + E7.2 + E8.2	243 001	500	Screw KB 30x8	236 228
			501	Circlip	021 022
1	Card yarn tensioner 16-fold on the right	241 346	502	Tension spring	
2	Tension axle on the right co. E5-8	243 351		Tension spring 5.05x0.55x53 (E3-E5)	023 502
	Tension axle on the right co. E10-14	243 352		Tension spring 4.9x0.5x53 (E7-E8)	023 503
3	Housing	241 367		Tension spring 4.9x0.45x53 (E10-E14)	023 504
4	Slider	241 694	503	Circlip	021 020
5	Stop point	241 368	504	Countersunk screw M4x10	241 914



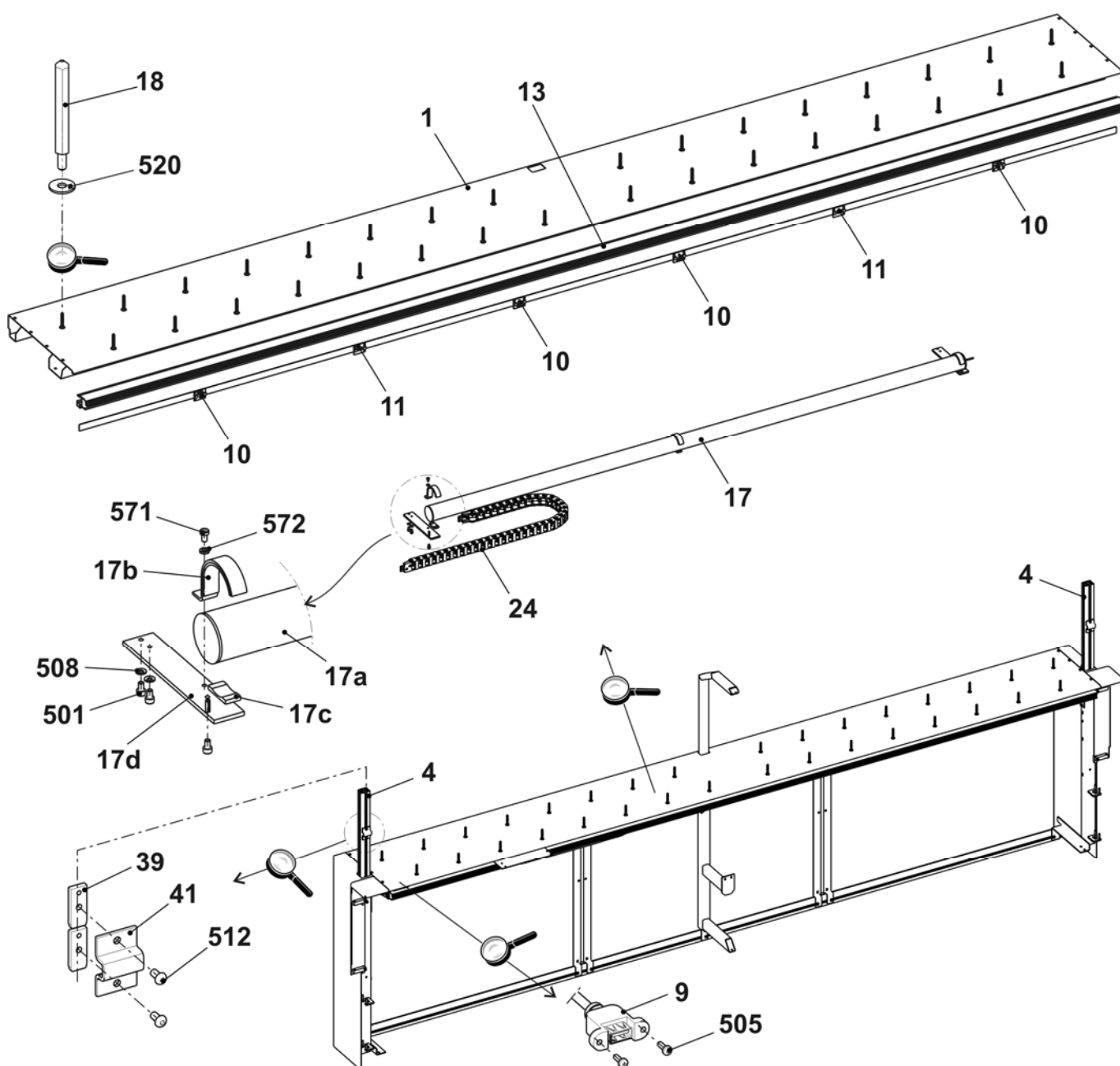
Right tension axle

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle on the left co.				
	E5 + E7 + E8 + E5m.4 + E7m.5 + E7m.8 + E8m.7 + E3,5.2 + E5.2 + E6.2 +	243 351	31	Housing AKF	238 689
	E10 + E12 + E14 + E16 + E10m.12 + E12m.10 + E7.2 + E8.2	243 352	32	Cover AKF	237 926
			33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107	34	Lever AKF	238 692
2	Tension arm pre-assembled E5 – E8	242 770	35	Thrust piece AKF	238 690
	Tension arm pre-assembled E10 – E18	242 771	36	Slider AKF	238 691
4	Wire bow	238 694	37	Wire bow	238 694
500	Shim ring 8x14x0.5	023 501	38	Wire	237 940
501	Circlip	021 022	531	Screw KB 35x12	237 681
502	Grooved pin 2x6	243 172	532	Screw KB 40x8	236 227
3	Thread clamp AKF	238 695	533	Compression spring 0.30x4.50x18.50	241 437
			534	Grooved pin 2x6	243 172



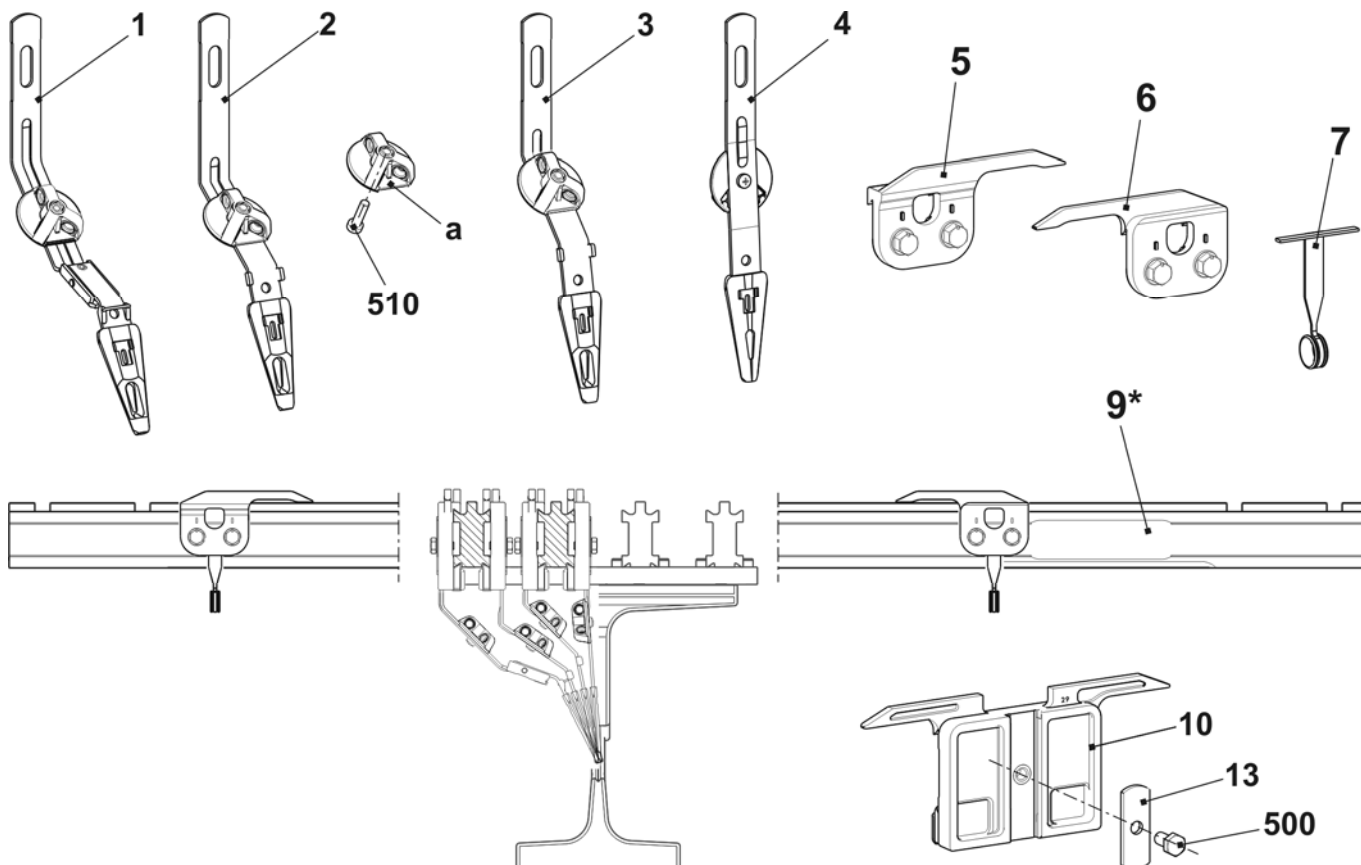
Bobbin board

Pos	Designation	ID	Pos	Designation	ID
Σ	Table co. 933	242 441	17	Lamp at the top co.	220 137
1	Table	251 247	17a	Lamp long RR60V-230	212 580
4	Support element	228 594	17b	Clamping bow	209 504
9	Cable USB extension 96 OKC	243 069	17c	Cellular caoutchouc 40x20	208 018
10	Magnet switch protective hood	219 983	17d	Lamp support	220 138
11	Magnet switch protective hood	220 159	571	Cap screw M6x10	022 773
13	Guide rail at the top co.	242 435	572	Serrated lock washer J6	022 385
18	Positioning pin	204 819	501	Cap screw M6x10	023 690
24	Energy chain display (38 links)	253 888	505	Countersunk screw M3x8	023 251
39	Threaded bar short	200 223	508	U-washer	023 598
41	Clamp	228 583	512	Countersunk screw M8x16	023 113
			520	U-washer	020 901



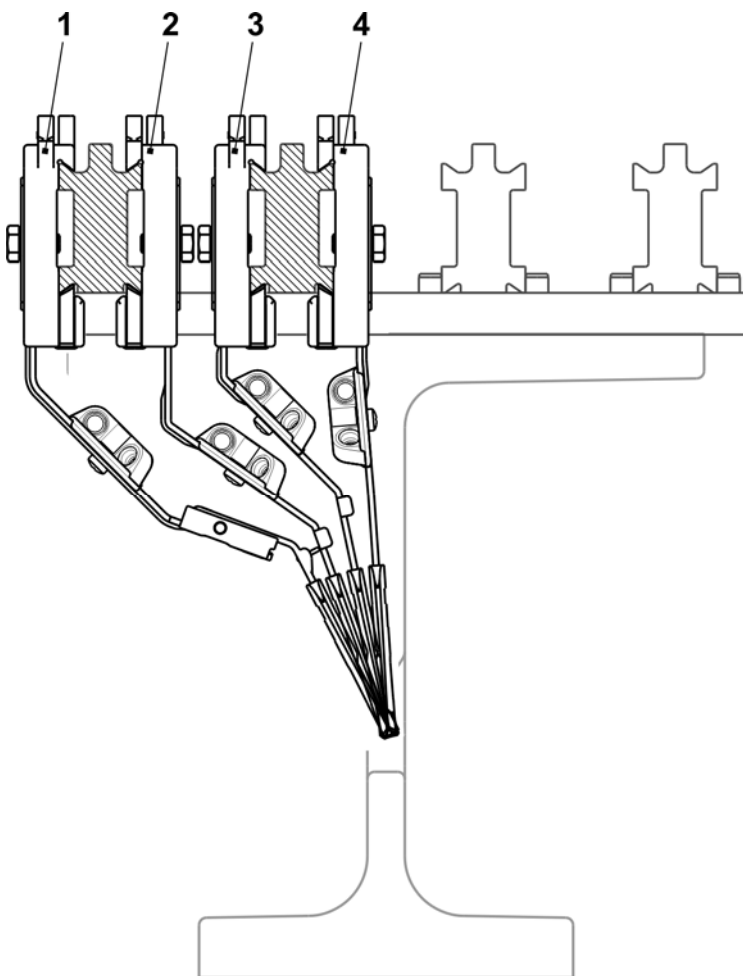
Yarn carrier and guide rails

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide co. E5	244 003	E7 + E8 + E6.2 + E7m8 +E8m7		
	Yarn guide co. E7 – E8	244 004	1	YC bow 1+8 co. E7-8	212 892
	Yarn guide co. E10 – E14	244 005	2	YC bow 2+7 co. E7-8	212 914
	Yarn guide co. E16 – E18	244 006	3	YC bow 3+6 co. E7-8	212 925
5	Limiter on the left co.	244 099	4	YC bow 4+5 co. E7-8	212 910
6	Limiter on the right co.	244 098	E10 + E12 + E14 + E10m.12 + E12m10 + E7.2 + E8.2		
7	Slider with eyelet	230 709	1	YC bow 1+8 co. E10-14	212 994
9*	Yarn carrier bar	213 172	2	YC bow 2+7 co. E10-14	212 996
10	YC carriage co.	243 062	3	YC bow 3+6 co. E10-14	212 995
13	Shim	213 035	4	YC bow 4+5 co. E10-14	212 997
500	Hexagon screw M5x10	020 351	E16		
E5 + E5m.4 + E7m.5, + E3,5.2 +E5.2			1	YC bow 1+8 co. E16-18	223 199
1	YC bow 1+8 co. E5	212 990	2	YC bow 2+7 co. E16-18	223 201
2	YC bow 2+7 co. E5	212 992	3	YC bow 3+6 co. E16-18	223 200
3	YC bow 3+6 co. E5	212 991	4	YC bow 4+5 co. E16-18	223 202
4	YC bow 4+5 co. E5	212 993	a	Yarn guide wheel co.	209 257
			510	Countersunk screw M3x10	023 032

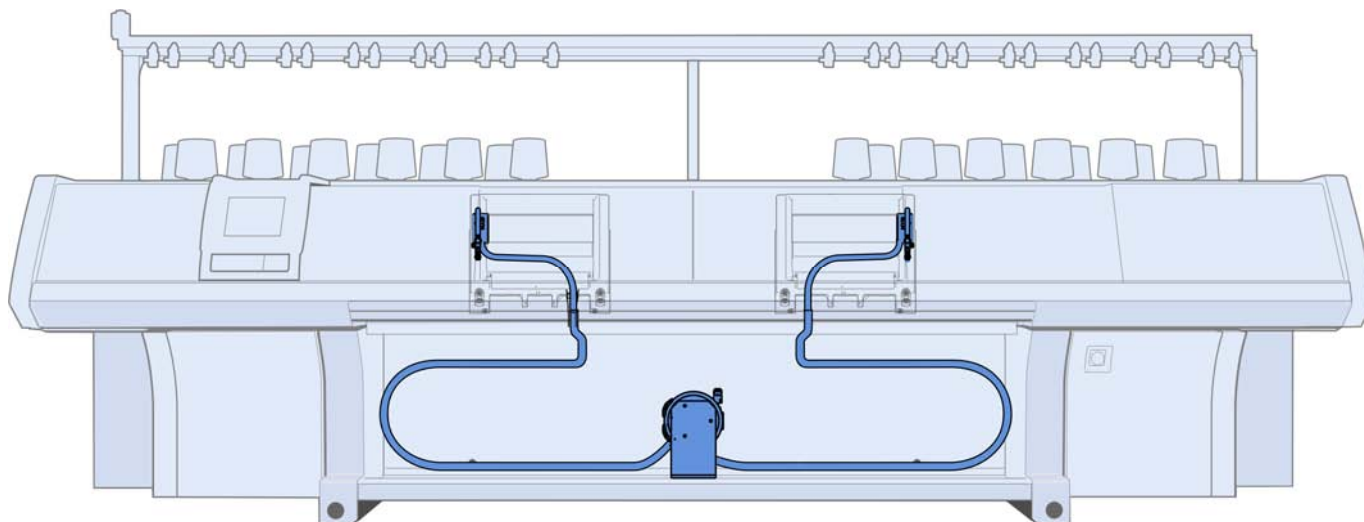


Co. yarn carriers

Pos	Designation	Track	ID	Pos	Designation	Track	ID
Yarn guide co.							
E5 + E5m.4 + E7m.5 + E3,5.2 + E5.2			244 003	E10 + E12 + E14 + E10m.12 + E12m.10 + E7.2 + E8.2			244 005
1	YC carriage co. E5	1+8	243 935	1	YC carriage co. E10-14	1+8	243 943
2	YC carriage co. E5	2+7	243 934	2	YC carriage co. E10-14	2+7	243 942
3	YC carriage co. E5	3+6	243 933	3	YC carriage co. E10-14	3+6	243 941
4	YC carriage co. E5	4+5	243 932	4	YC carriage co. E10-14	4+5	243 940
E7 + E8 + E7m.8 + E8m.7 + E6.2			244 004	E16			244 006
1	YC carriage co. E7-8	1+8	243 939	1	YC carriage co. E16-18	1+8	243 947
2	YC carriage co. E7-8	2+7	243 938	2	YC carriage co. E16-18	2+7	243 946
3	YC carriage co. E7-8	3+6	243 937	3	YC carriage co. E16-18	3+6	243 945
4	YC carriage co. E7-8	4+5	243 936	4	YC carriage co. E16-18	4+5	243 944

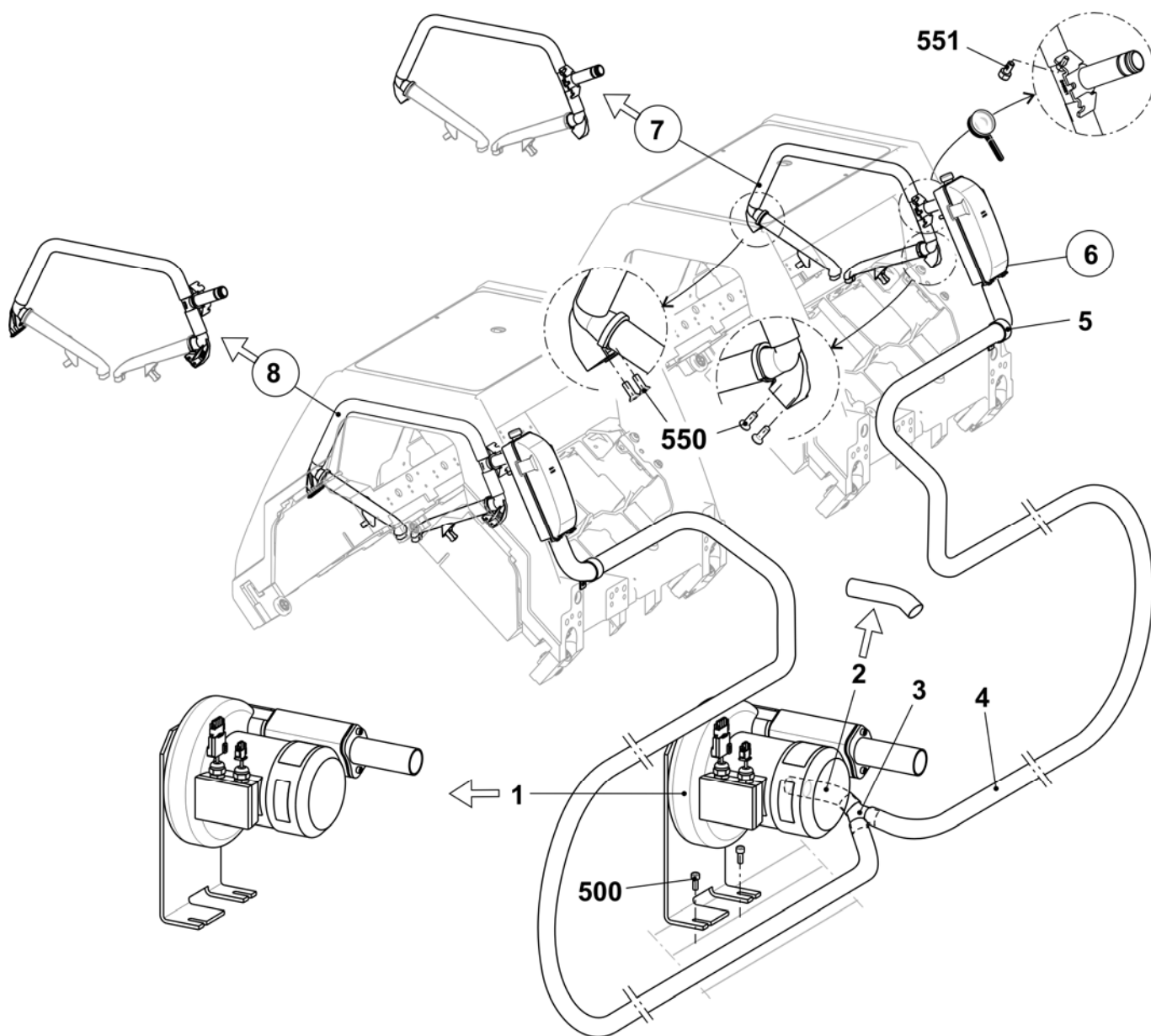


Fluff absorption



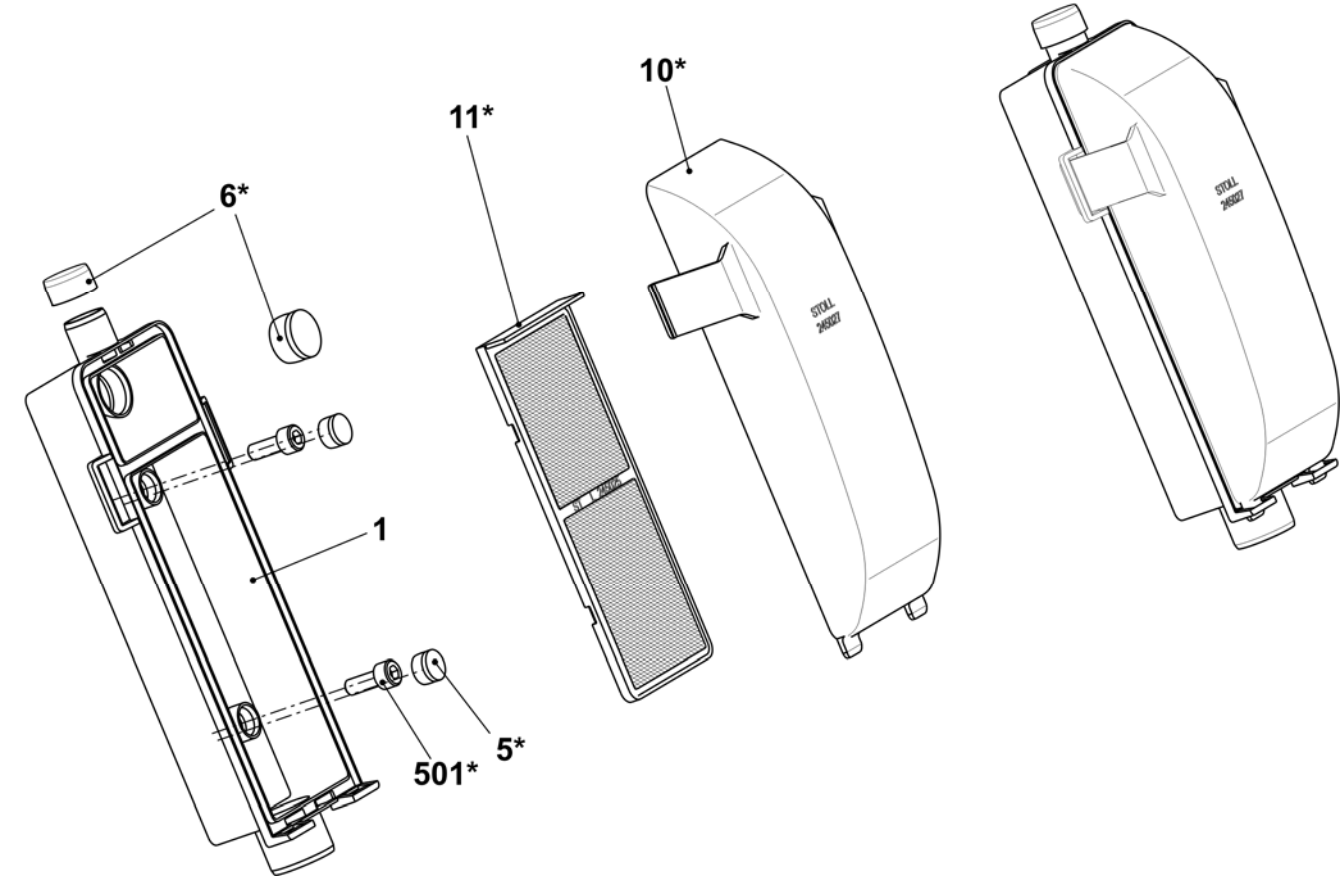
Fluff absorption

Pos	Designation	ID	Pos	Designation	ID
Σ	Fluff absorption		6	Lint container	245 024
1	Suction fan co.	251 333	7	Set of tubes on the left co. 922/933	251 349
2	Suction hose 29x25x150	251 348	8	Set of tubes on the right co. 922/933	251 350
3	Hose connector	245 011	500	Cap screw M8x16	023 629
4	Suction hose 29x25x3750	251 336	550	Countersunk head screw M4x8	251 011
5	Hose fitting	214 653	551	Cap screw M4x8	022 501



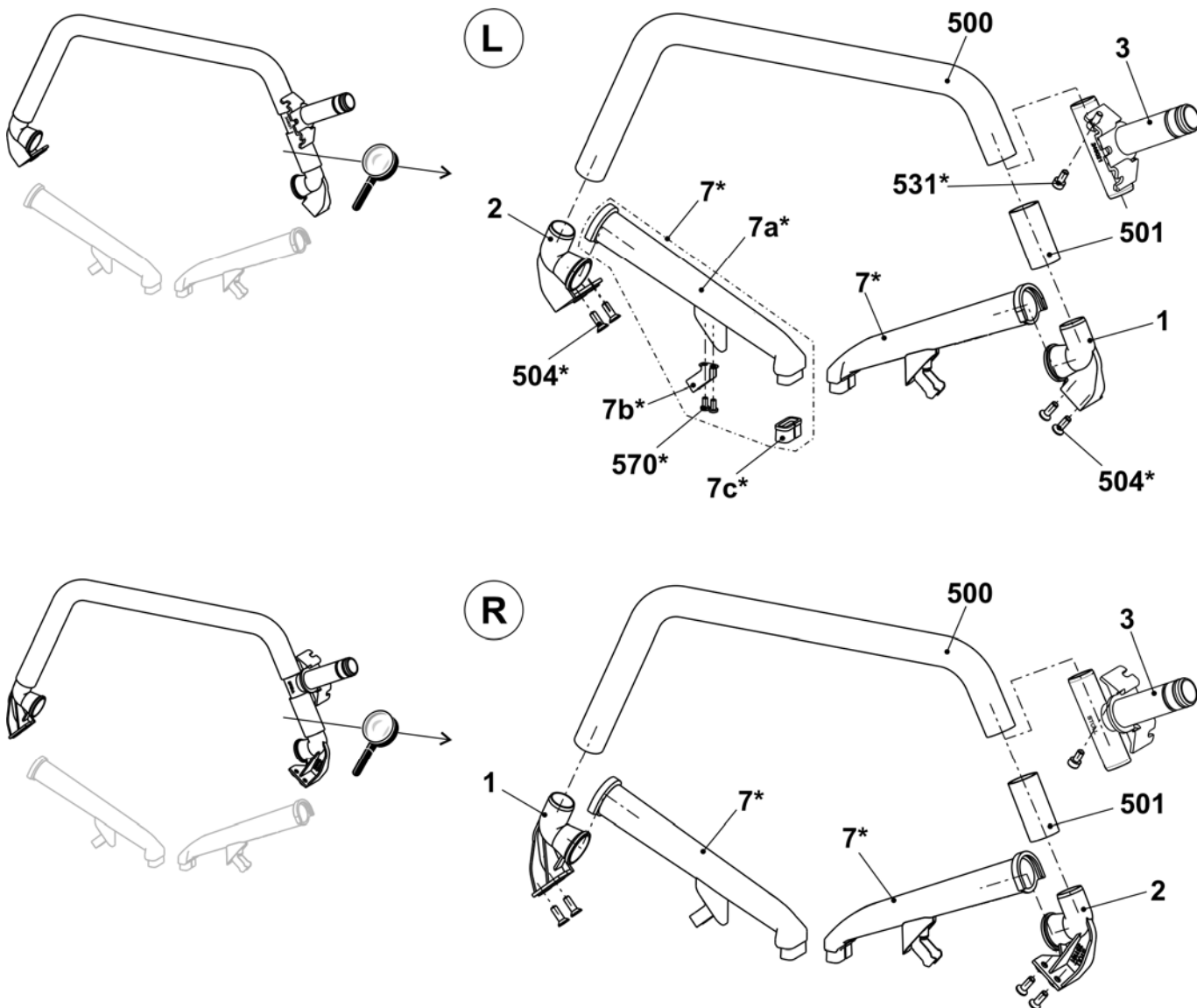
Lint container

Pos	Designation	ID	Pos	Designation	ID
Σ	Lint container				
1	Lint container	245 024	10*	Cover lint container	245 027
5*	Sealing plug	245 028	11*	Filter	245 025
6*	Sealing plug	245 029	501*	Cap screw M6x10	023 690

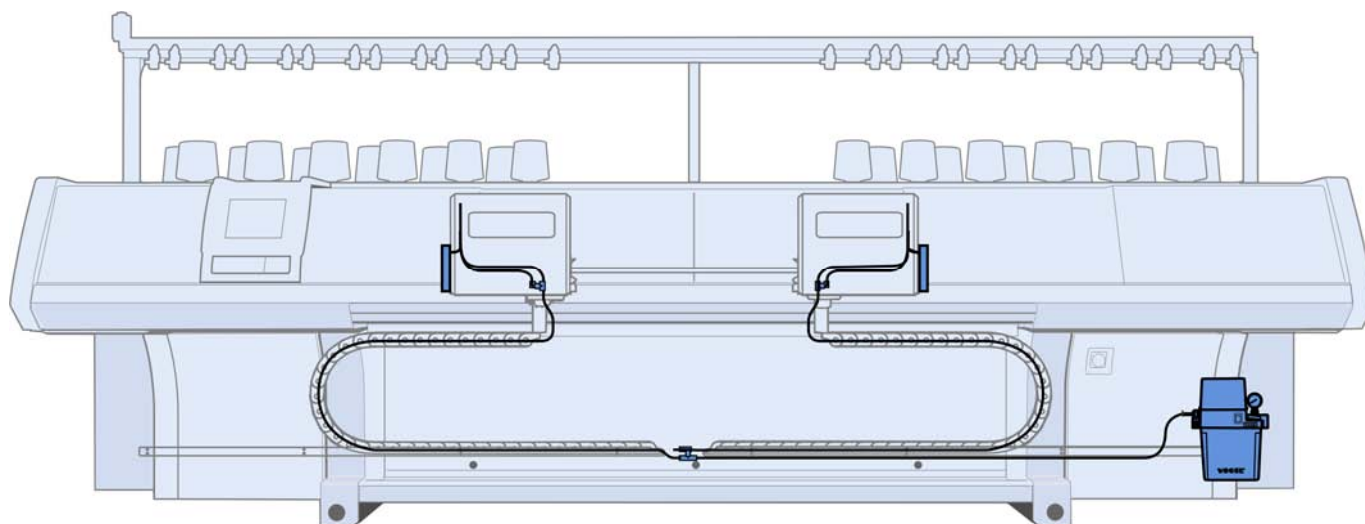


Set of tubes on the left and right

Pos	Designation	ID	Pos	Designation	ID
L	Set of tubes on the left co. 922/933	251 349	7*	Suction tube co. (E5-14)	251 310
R	Set of tubes on the right co. 922/933	251 350		7a* Suction tube	250 120
1	Angle connection on the right	250 121		7b* Bracket	250 117
2	Angle connection on the left	251 101		7c* Brush (E5-14)	251 041
3	T-piece FLENT	245 021		570* Screw KB 30x60	241 424
500	Suction hose 20x16x440	244 983	504*	Countersunk head screw M4x8	251 011
501	Suction hose 20x16x40	251 043	531*	Cap screw M4x8	022 501

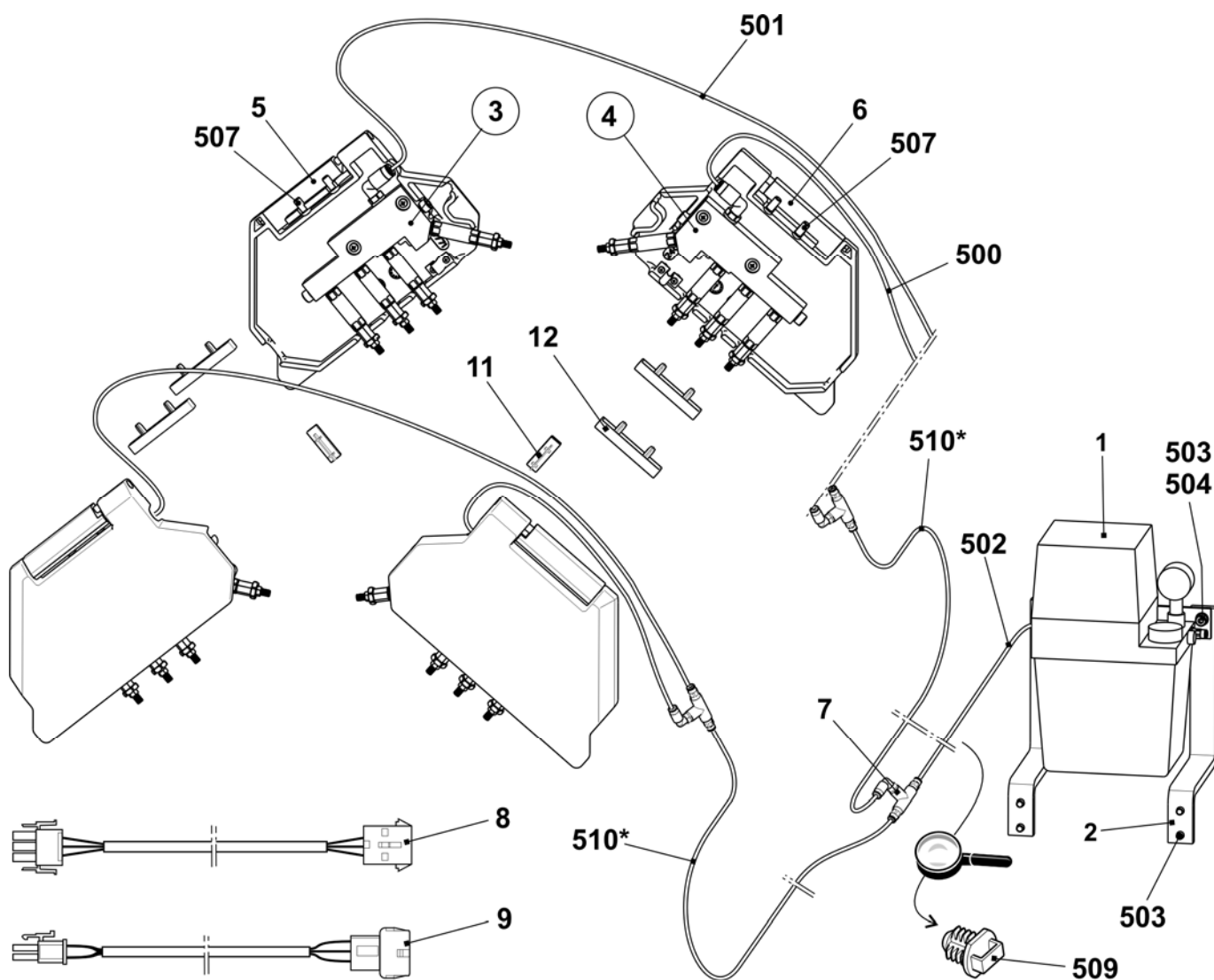


Central lubrication



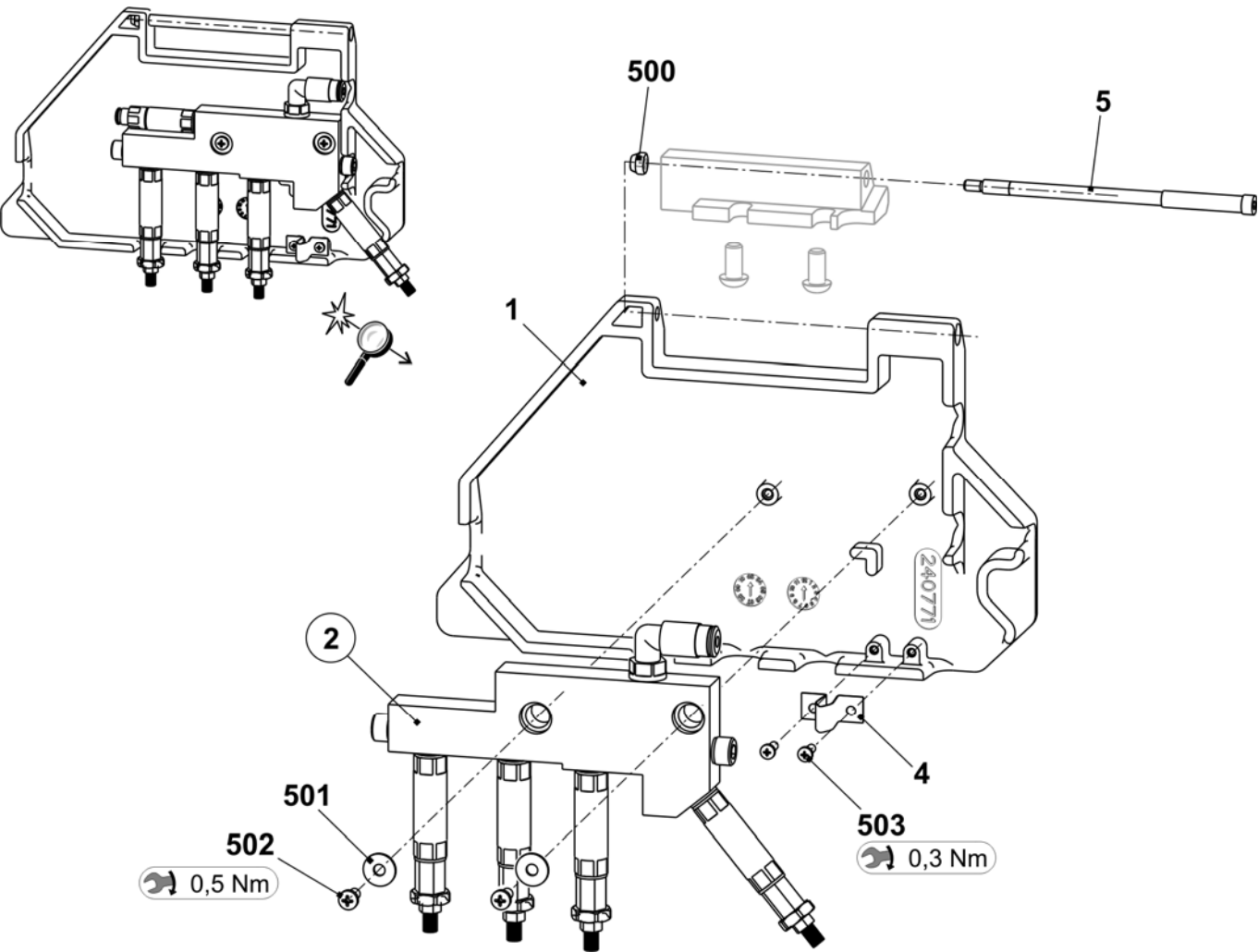
Central lubrication

Pos	Designation	ID	Pos	Designation	ID
Σ	Central lubrication	242 949	11	Sealing plug	240 777
1	Oil central lubricating pump Vogel	235 068	12	Cover	240 778
2	Support for oil equipment	241 636	500	Hose D6, L = 500	235 037
3	Lubricating unit at the front co.	241 047	501	Hose D6, L = 1000	235 038
4	Lubricating unit at the rear co.	241 048	502	Hose D6, L = 2500	236 545
5	Joint at the front	240 791	503	Cap screw M8x16	023 629
6	Joint at the rear	240 792	504	U-washer 8	020 883
7	T-piece co.	235 039	507	Countersunk screw M6x12	235 935
8	Cable mains supply 50"/96" OKC	244 406	509	Assembling element	209 543
9	Cable control ZS OKC	238 704	510*	Hose D6, L = 3300	235 044



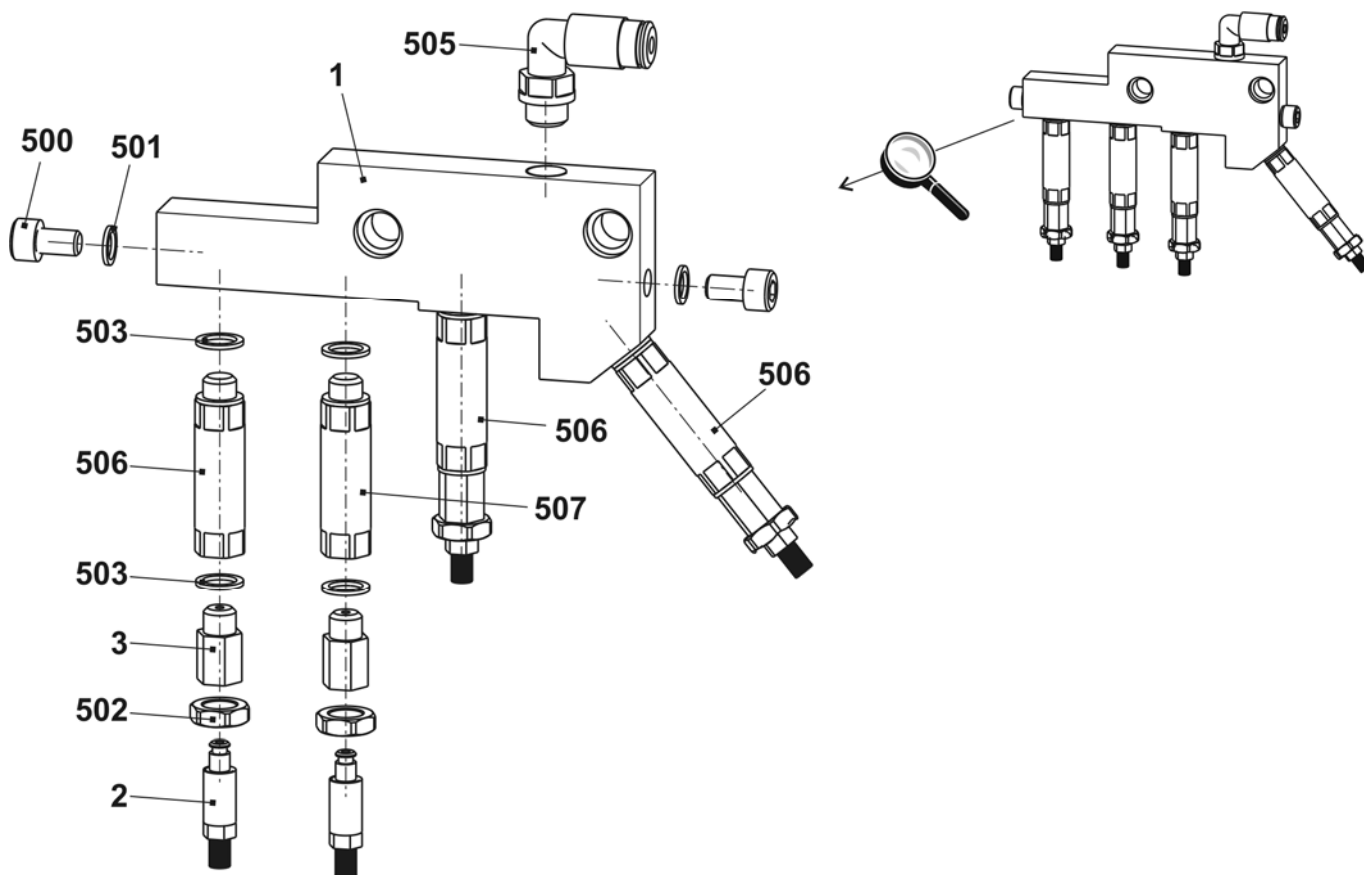
Lubricating unit at the front co.

Pos	Designation	ID	Pos	Designation	ID
Σ	Lubricating unit at the front co.	241 047			
1	Housing at the front	240 771	500	Hexagon nut M4	023 046
2	Distributor co.	241 046	501	U-washer 4	023 047
4	Locking plunger	235 054	502	Screw KB 40x8	238 089
5	Shoulder screw	240 790	503	Screw KB 30x8	236 228



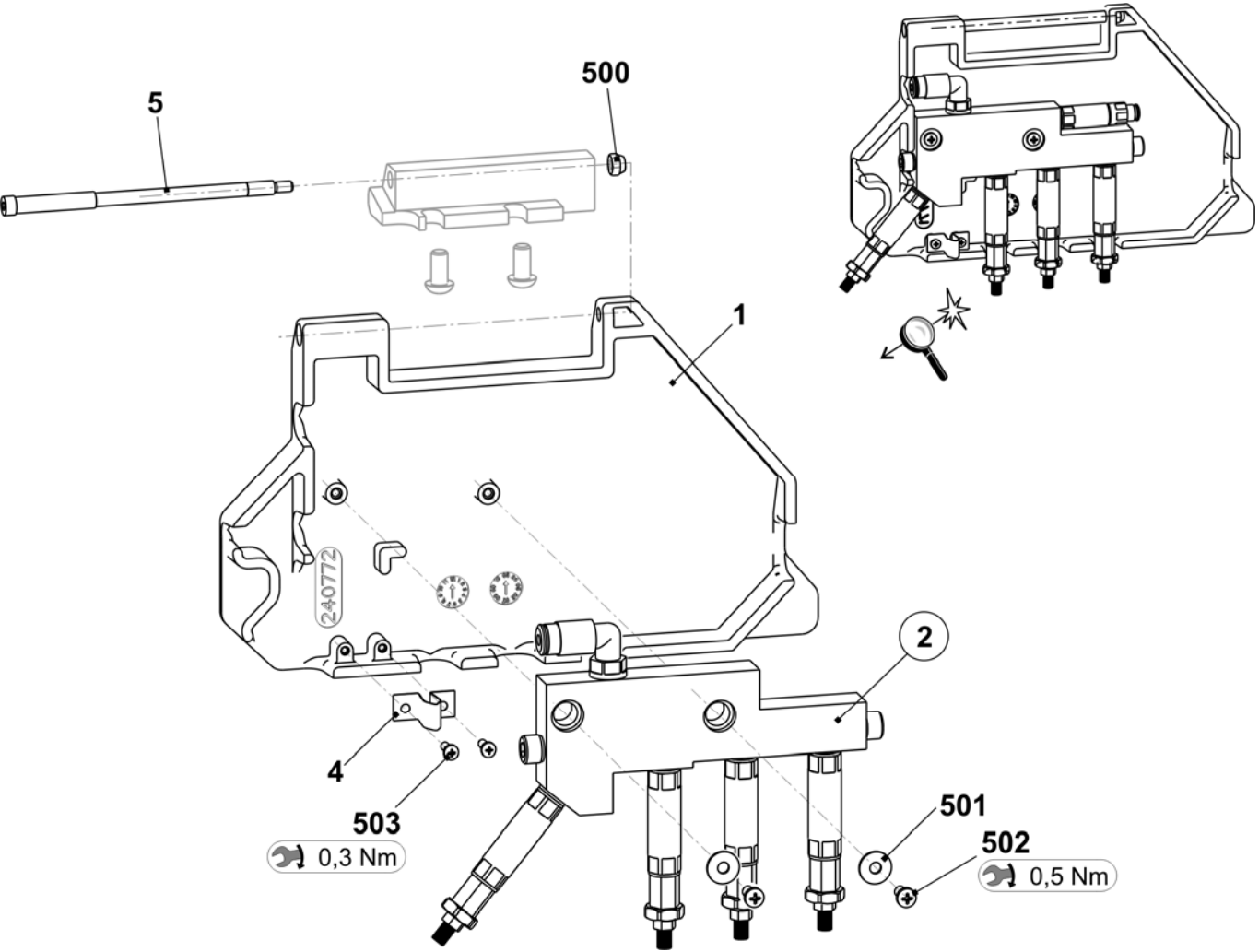
Distributor co.

Pos	Designation	ID	Pos	Designation	ID
Σ	Distributor co.	241 046			
1	Distributor	240 773	502	Hexagon nut M8-04	020 856
2	Brush	235 050	503	Sealing ring A8x11.5	023 892
3	Adapter brush	235 049	505	Swivelling connection	235 067
500	Cap screw M6x10	023 690	506	Dosing unit screw connection	235 079
501	Sealing ring A6.5x9.5	237 456	507	Dosing unit screw connection	237 809

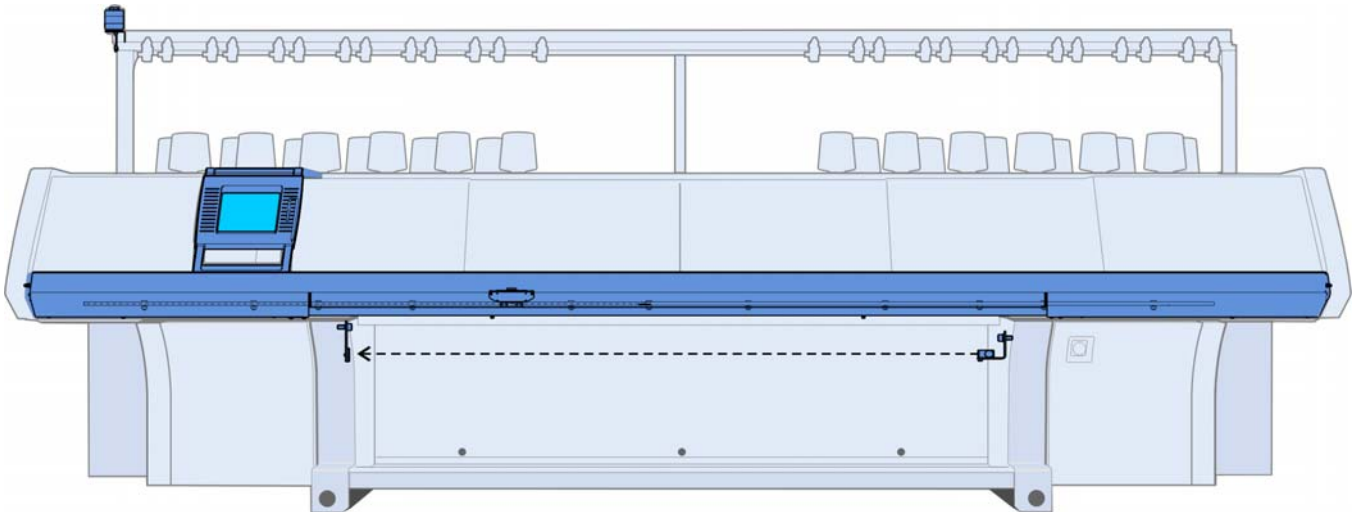


Lubricating unit at the rear co.

Pos	Designation	ID	Pos	Designation	ID
Σ	Lubricating unit at the rear co.	241 048			
1	Housing at the rear	240 772	500	Hexagon nut M4	023 046
2	Distributor co.	241 046	501	U-washer 4	023 047
4	Locking plunger	235 054	502	Screw KB 40x8	238 089
5	Shoulder screw	240 790	503	Screw KB 30x8	236 228

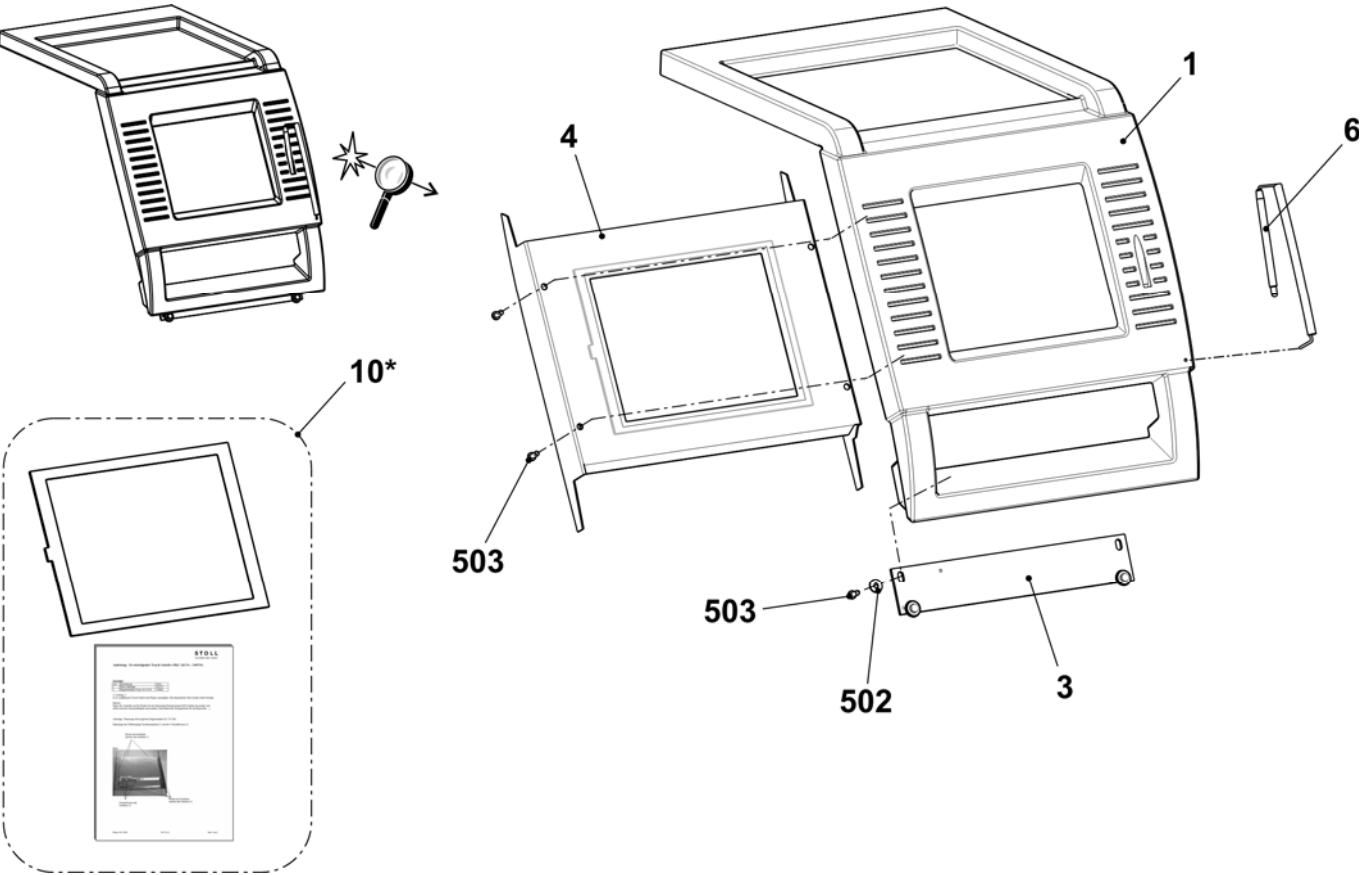


Operation and control



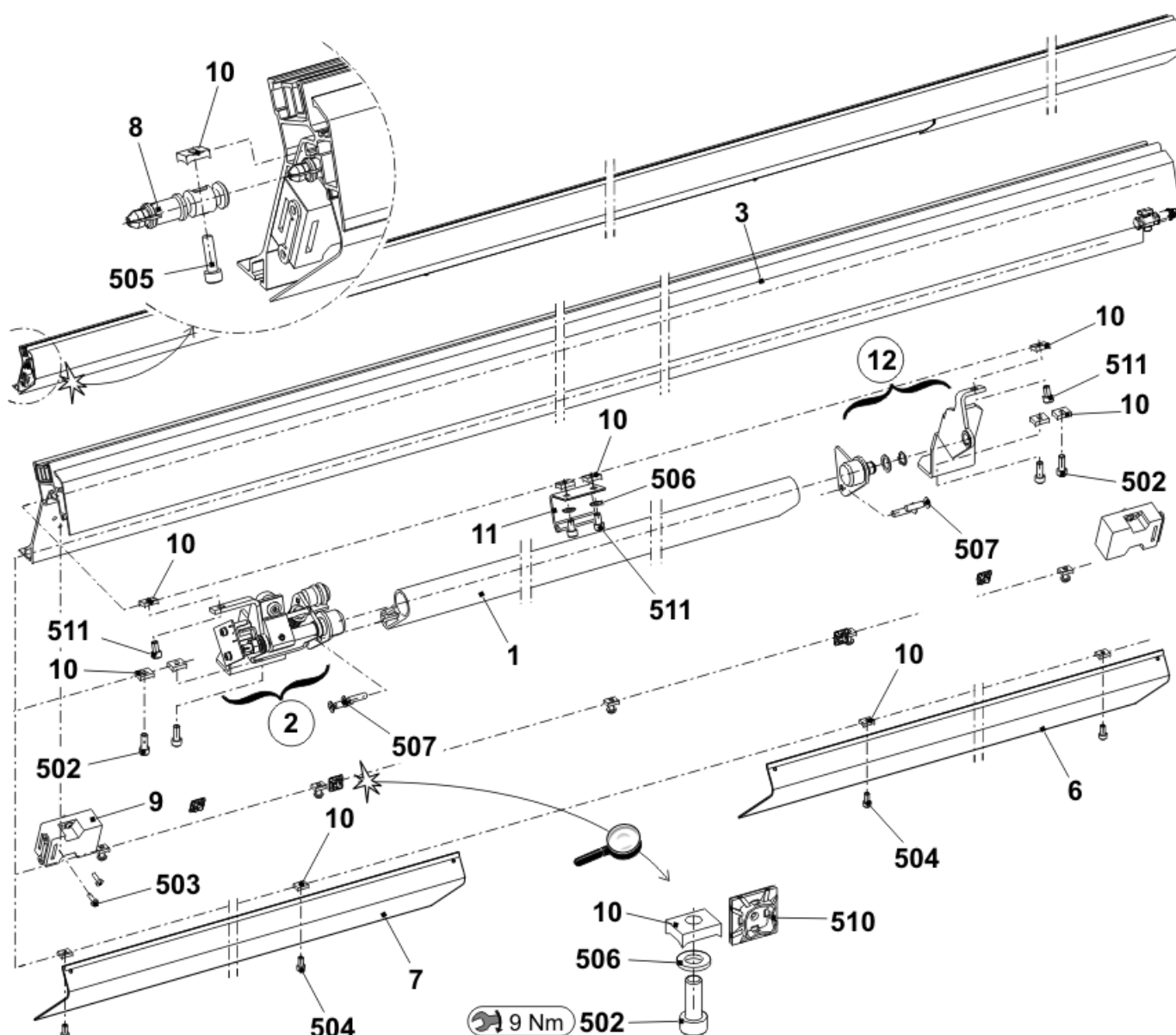
Input unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Input unit co.	240 194	6	Touch pen	242 812
1	Base frame	240 195	10*	Touch panel spare parts package	244 554
3	Bearing strip co.	240 198	502	U-washer	020 901
4	Display touch co.	250 298	503	Screw KB 50x12	240 359



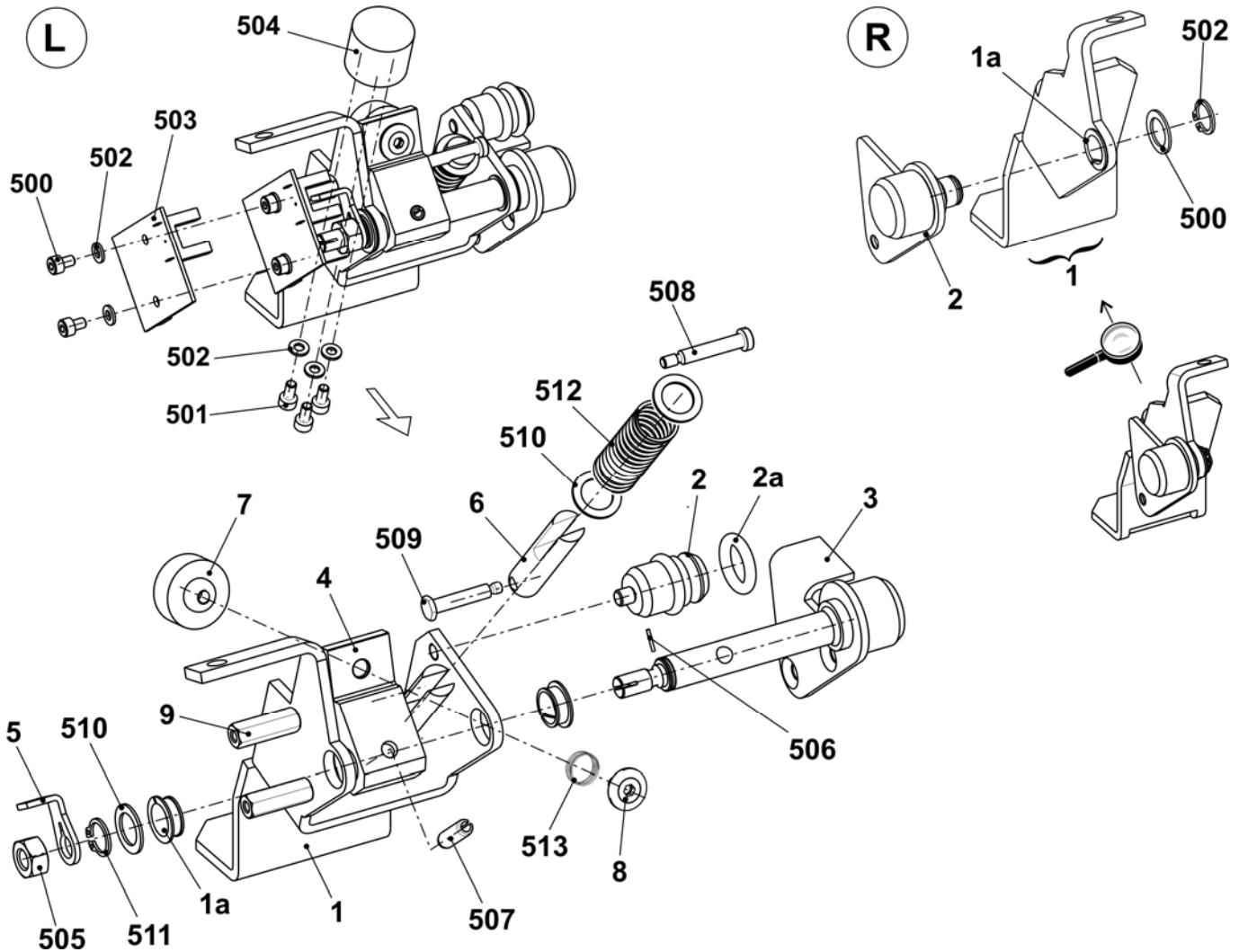
Starting unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Starting unit co.	241 229	12	Bearing on the right co.	252 964
1	Engaging rod	241 224	502	Cap screw M6x16	020 135
2	Bearing on the left co.	250 071	503	Countersunk screw M5x14	023 588
3	Guide rail at the bottom co.	251 228	504	Cap screw M6x12	020 134
6	Cover plate on the right	251 218	505	Cap screw M6x20	020 136
7	Cover plate on the left	251 219	506	U-washer 6	020 872
8	Fixing bolt	219 107	507	Screw M6x25	023 510
9	Switch with cable to protective hoods	223 350	510	Adhesive base	243 055
10	Sliding nut (sliding block)	225 099	511	Cap screw M6x10	023 690
11	Stabilizer	244 634			



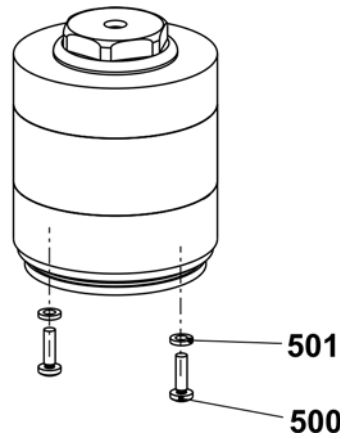
Bearing of the engaging rod

Pos	Designation	ID	Pos	Designation	ID
L	Bearing on the left co.	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M8-6	020 838
1a	Clip bearing MCM12-04	023 639	506	Dowel pin 1.5x8	236 923
2	Support buffer	220 561	507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237	508	Shoulder screw M4x24.8x7.7	240 299
3	Shaft on the left	245 219	509	Shoulder screw	251 316
4	Rotor	253 776	510	Shim ring 12x18x1	023 315
5	Switch flag	245 220	511	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 co.	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



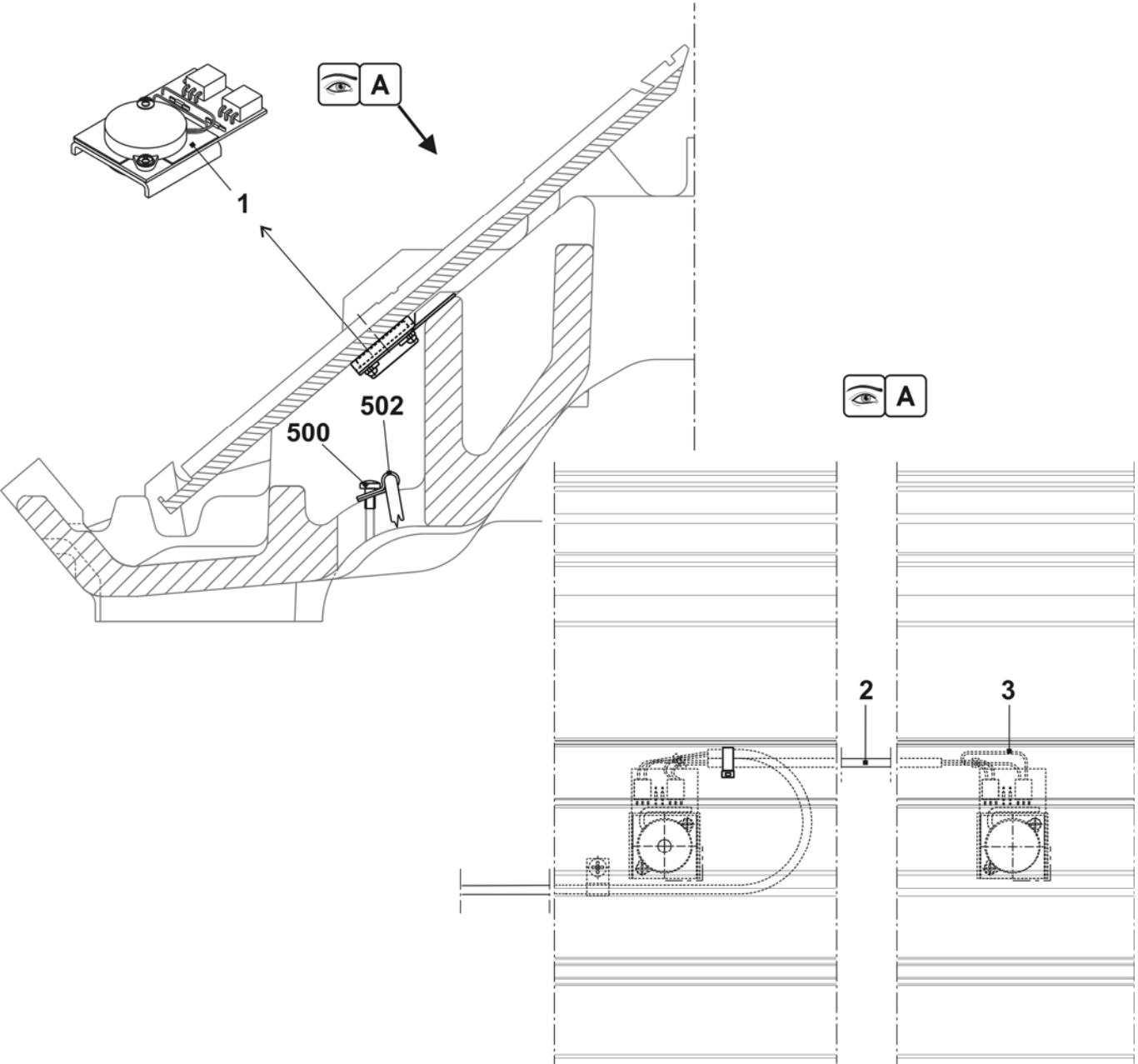
Signal light

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			



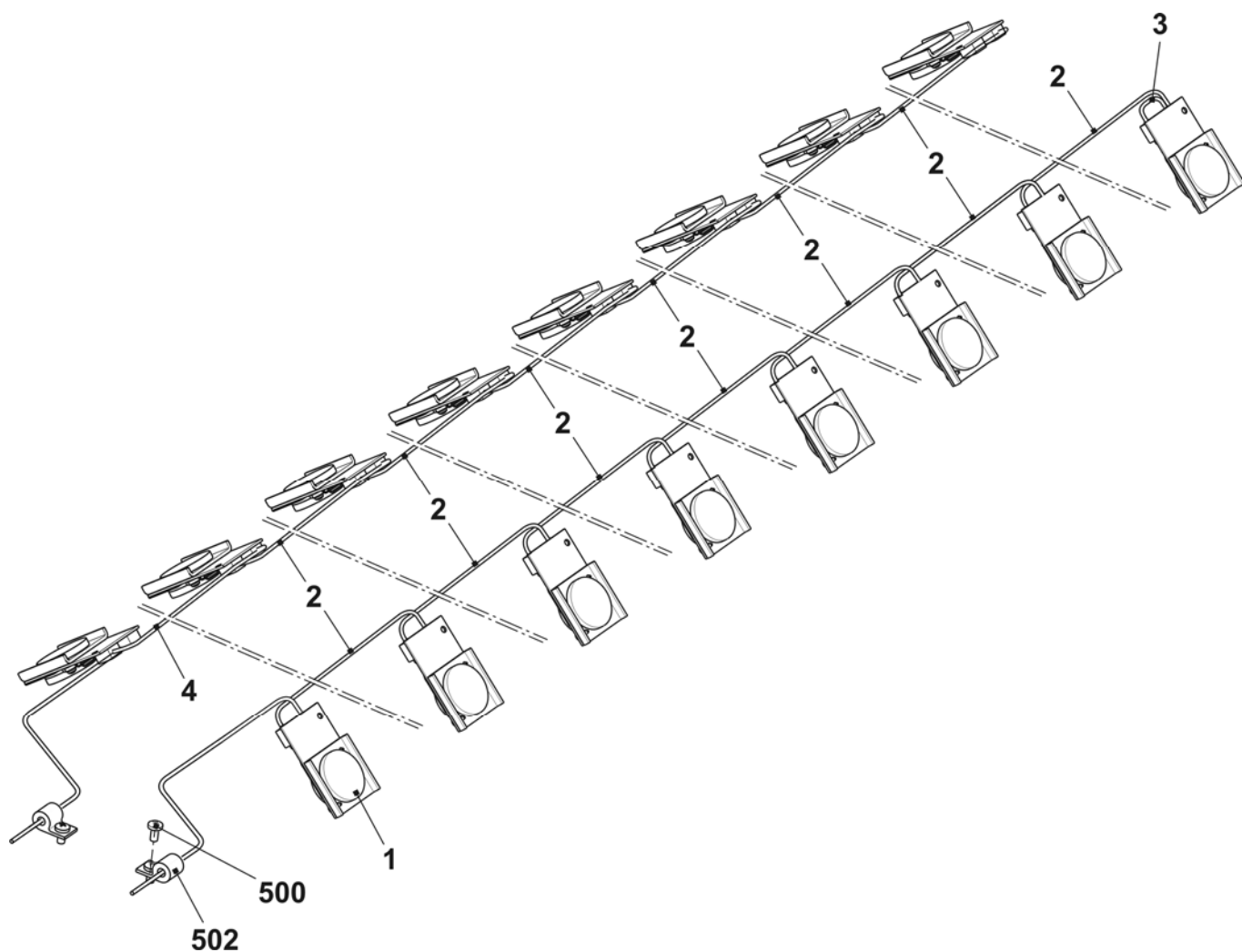
Shock stop motion (up to E14)

Pos	Designation	ID	Pos	Designation	ID
Σ	Shock stop motion co.	220 873	3	End plug piezo sensor	220 053
1	Shock stop motion (Piezo)	220 011	500	Countersunk screw M4x8	023 036
2	Connecting cable piezo sensor	220 063	502	Cable clip N-3B, 5 mm	210 729



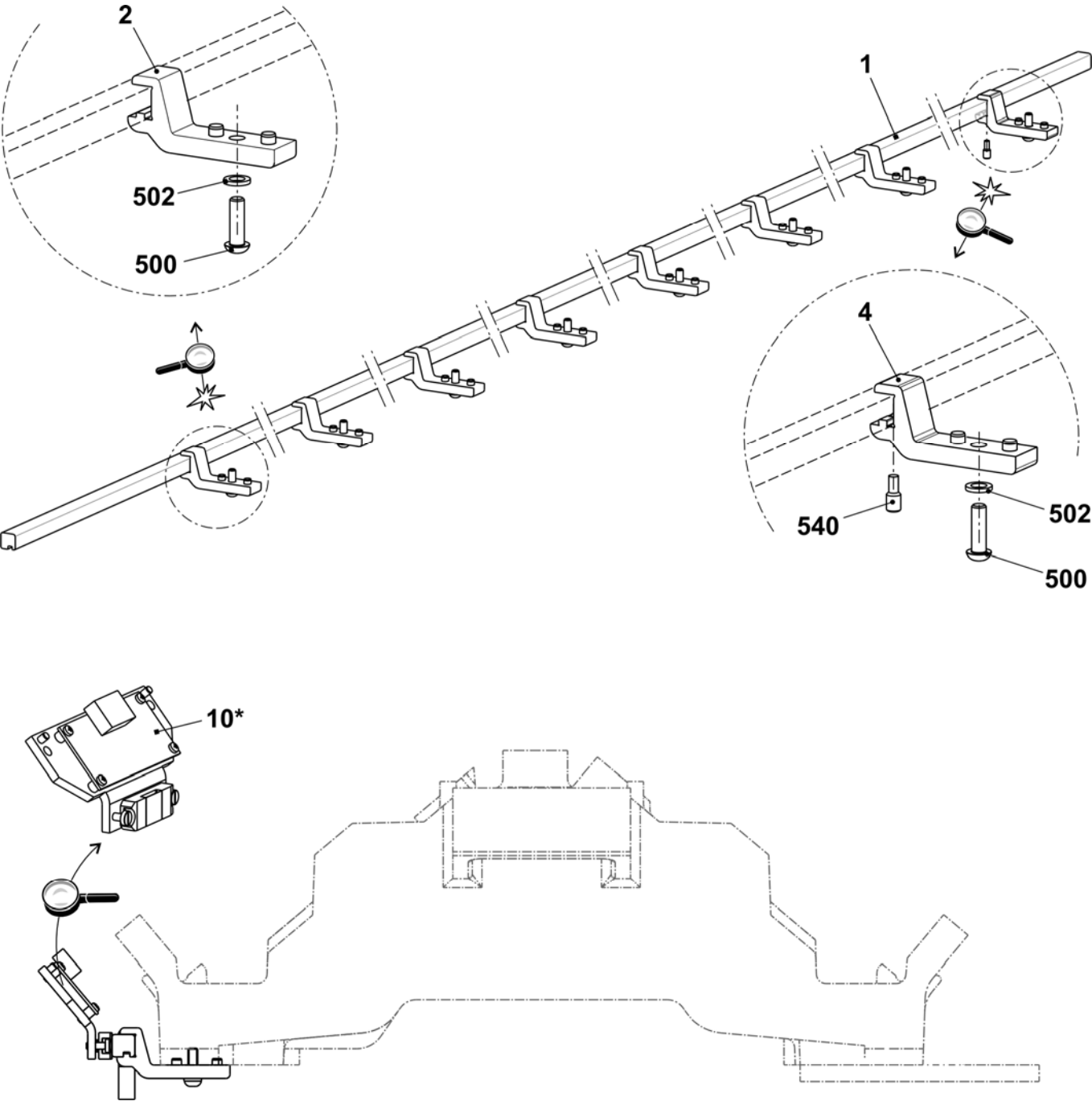
Shock stop motion E16-E18

Pos	Designation	ID	Pos	Designation	ID
Σ	Shock stop motion co. E16 – E18	250 387			
1	Shock stop motion (Piezo)	220 011	4	Cable connection piezo	250 294
2	Cable connection piezo	250 293	500	Countersunk screw M4x8	023 036
3	End plug piezo sensor	220 053	502	Cable clip N-3B, 5 mm	210 729



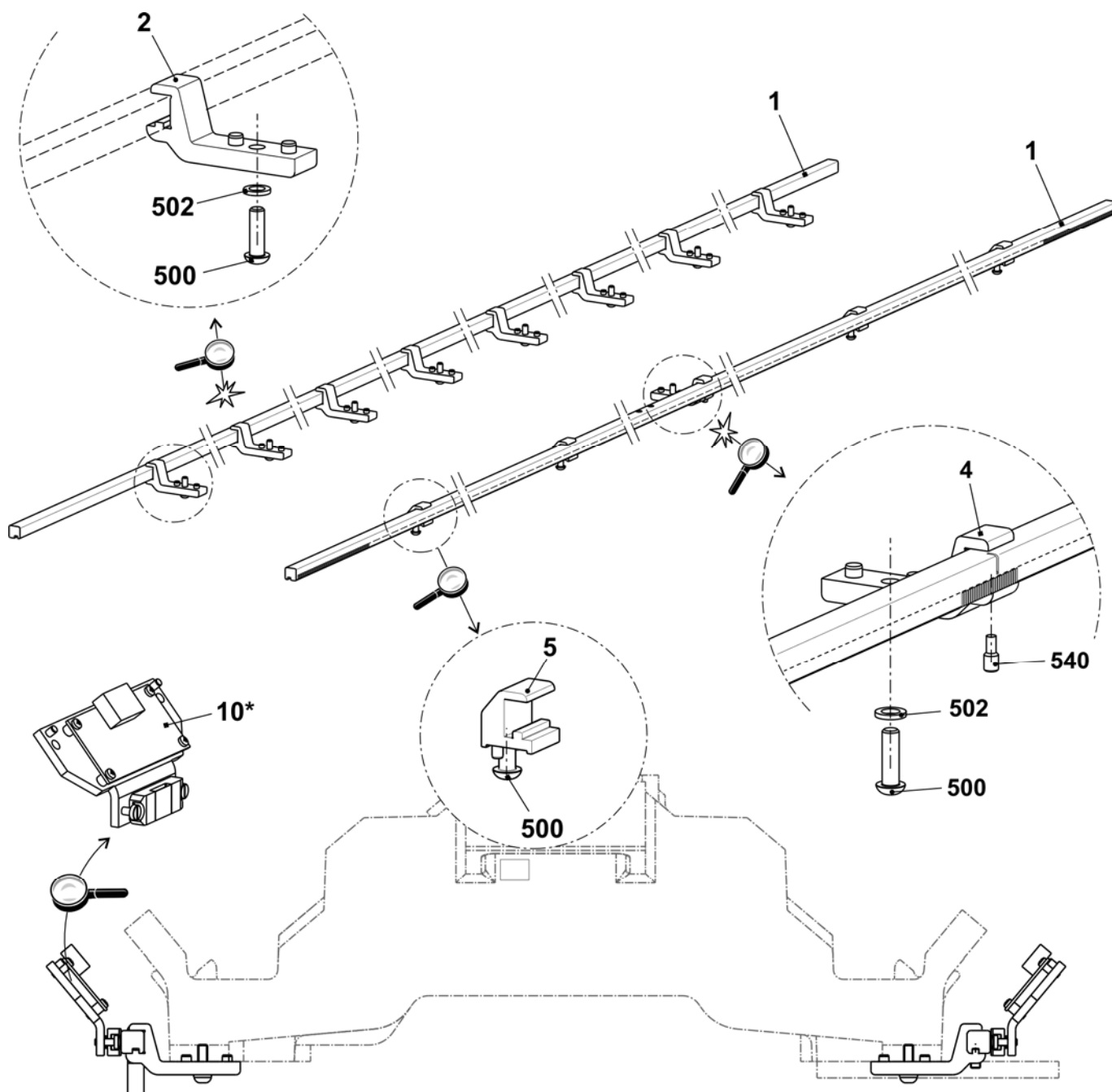
Measuring device E5 - E8

Pos	Designation	ID	Pos	Designation	ID
Σ	Measuring device E5 + E7 + E8 + E5m.4 + E7m.5 + E7m.8 + E8m.7 + E3,5.2	254 154			
1	Measuring bar	242 358	500	Countersunk screw	241 603
2	Guidance	212 210	502	U-washer	020 881
4	Guidance	240 672	10*	Measuring head co.	240 562
	540 Set screw	230 803			

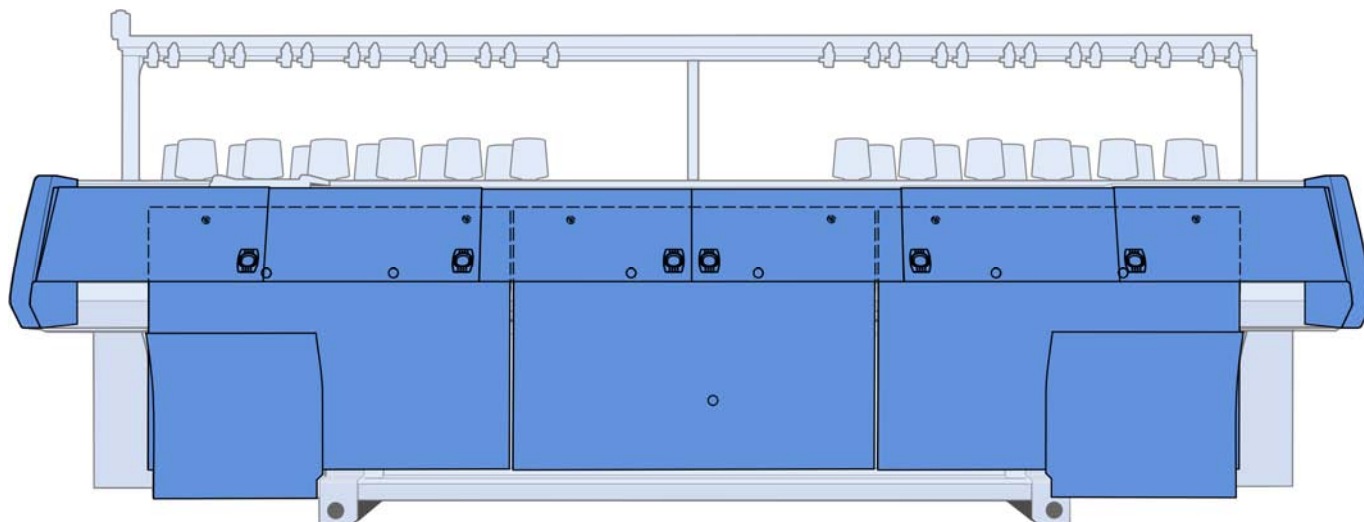


Measuring device E10-E16

Pos	Designation	ID	Pos	Designation	ID
Σ	Measuring device E10 + E12 + E14 + E16 + E7m.5 + E10m.12 + E12m.10 + E5.2 + E6.2 + E7.2 + E8.2	242 950			
1	Measuring bar	242 358	5	Guidance exterior	251 633
2	Guidance	212 210	500	Countersunk screw	241 603
4	Guidance	240 672	502	U-washer	020 881
540	Set screw	230 803	10*	Measuring head co.	240 562

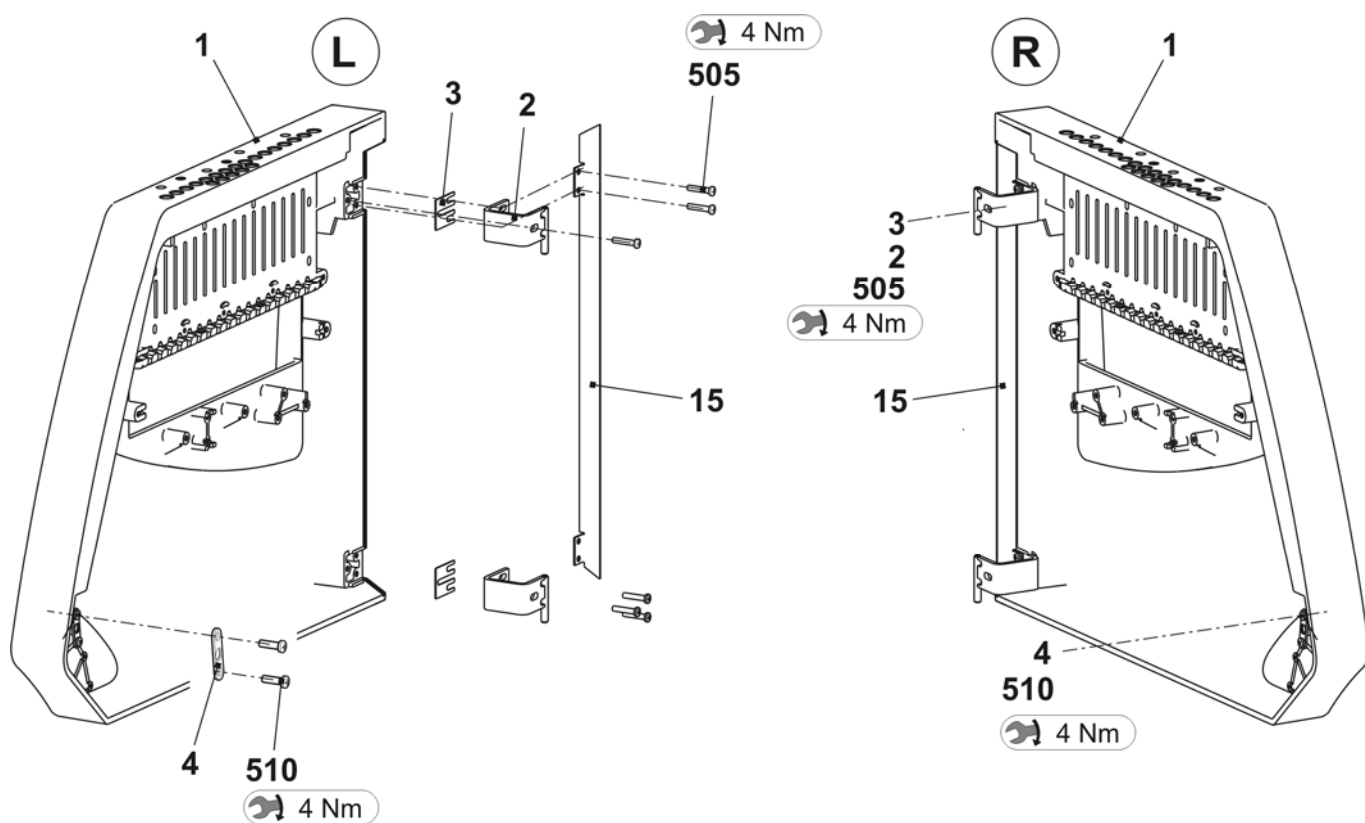


Protective device



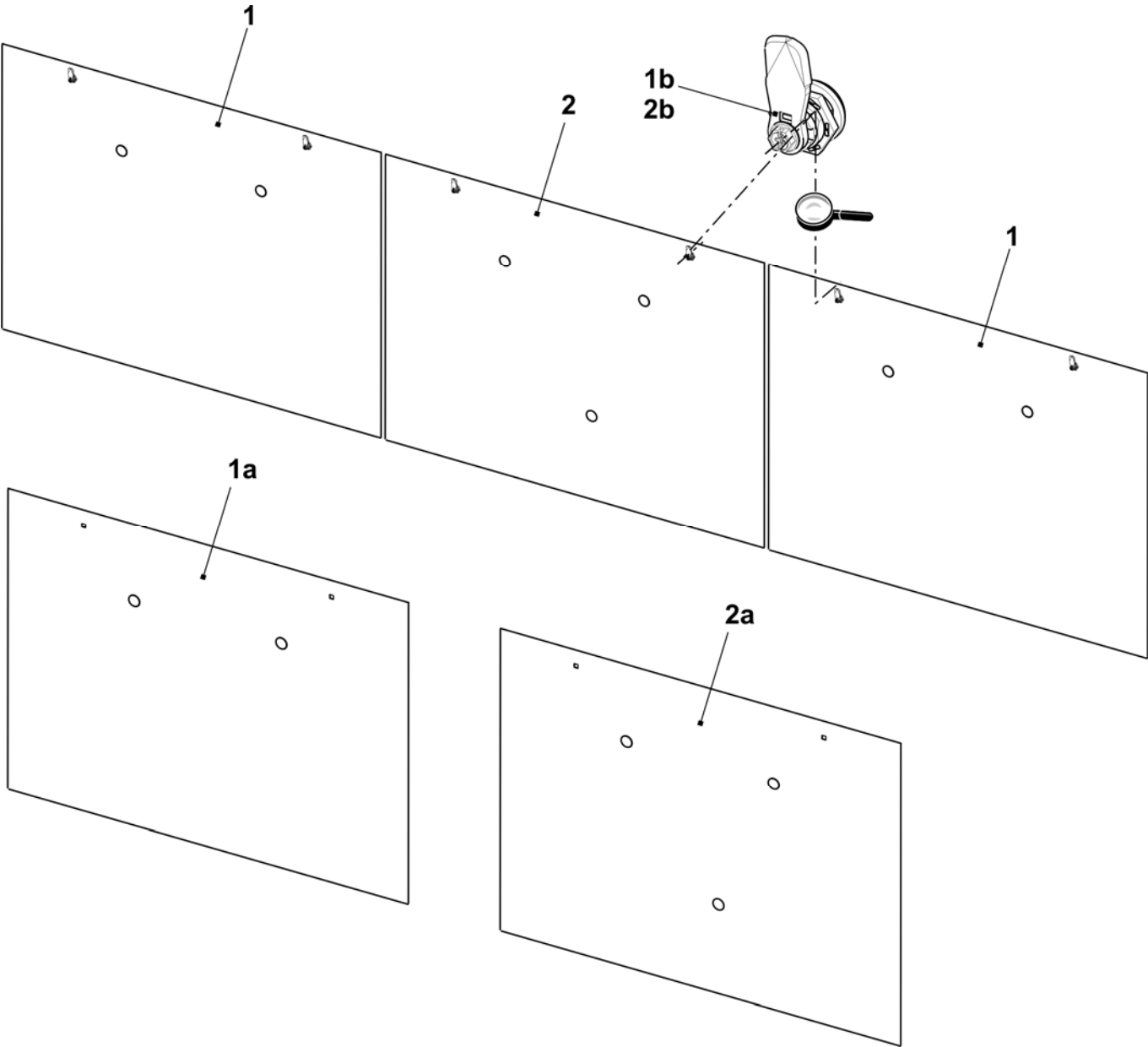
Lateral safety covers

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety cover on the left		Σ	Safety cover on the right	
1	Safety cover on the left	250 562	1	Safety cover on the right	250 563
2	Hinge left safety cover	242 751	2	Hinge right safety cover	242 752
3	Plate	224 717	3	Plate	224 717
4	Locking plate	219 748	4	Locking plate	219 748
15	Cover at left safety cover	242 749	15	Cover at left safety cover	242 750
505	Screw KB 60x30	237 683	505	Screw KB 60x30	237 683
510	Screw KB 60x20	237 682	510	Screw KB 60x20	237 682



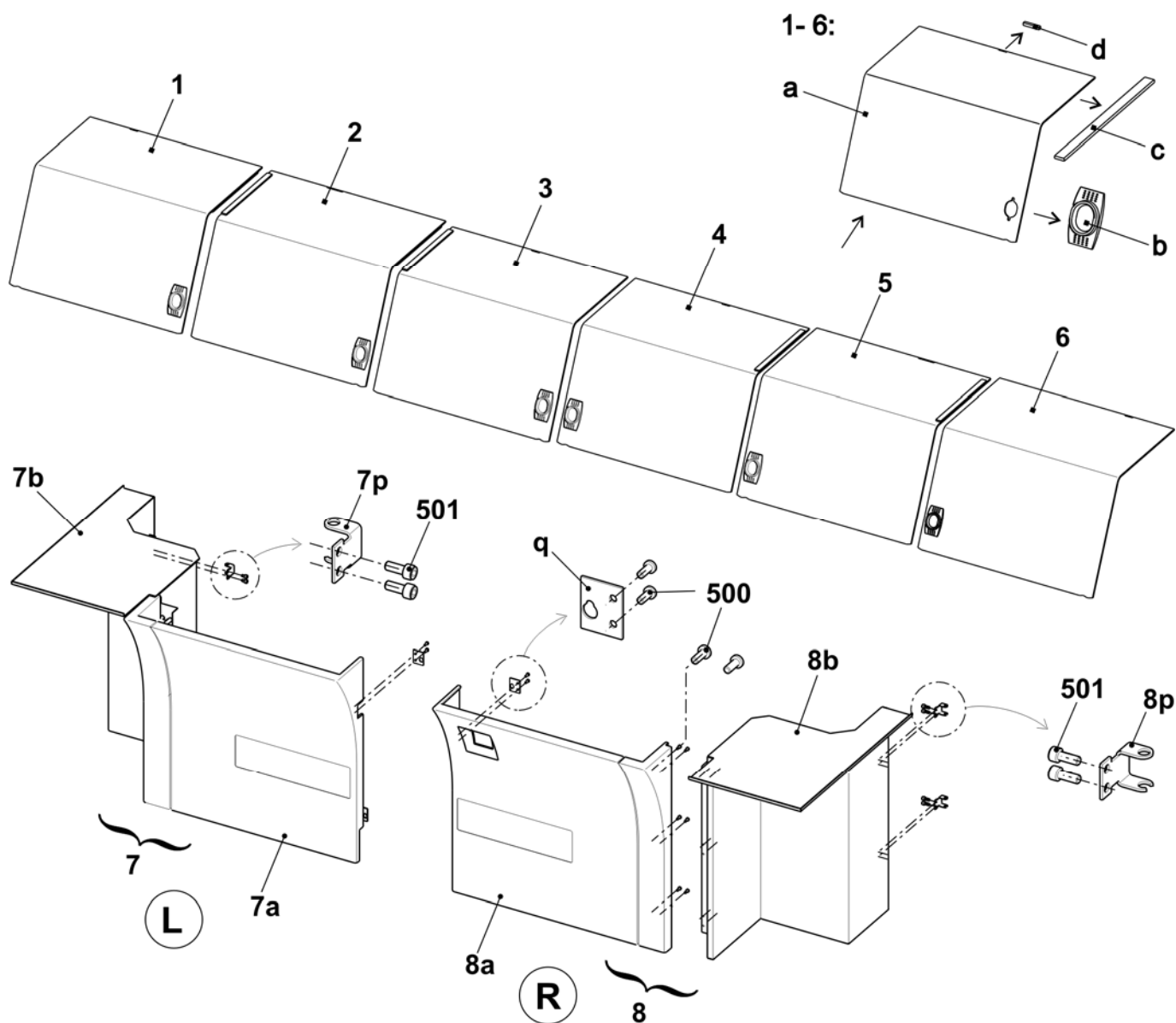
Rear panel

Pos	Designation	ID	Pos	Designation	ID
1	Panelling at the rear co.	251 567	2	Panelling at the rear co.	251 573
	1a Panelling at the rear	251 566		2a Panelling at the rear	251 572
	1b Safety sash fastener co.	243 052		2b Safety sash fastener co.	243 052

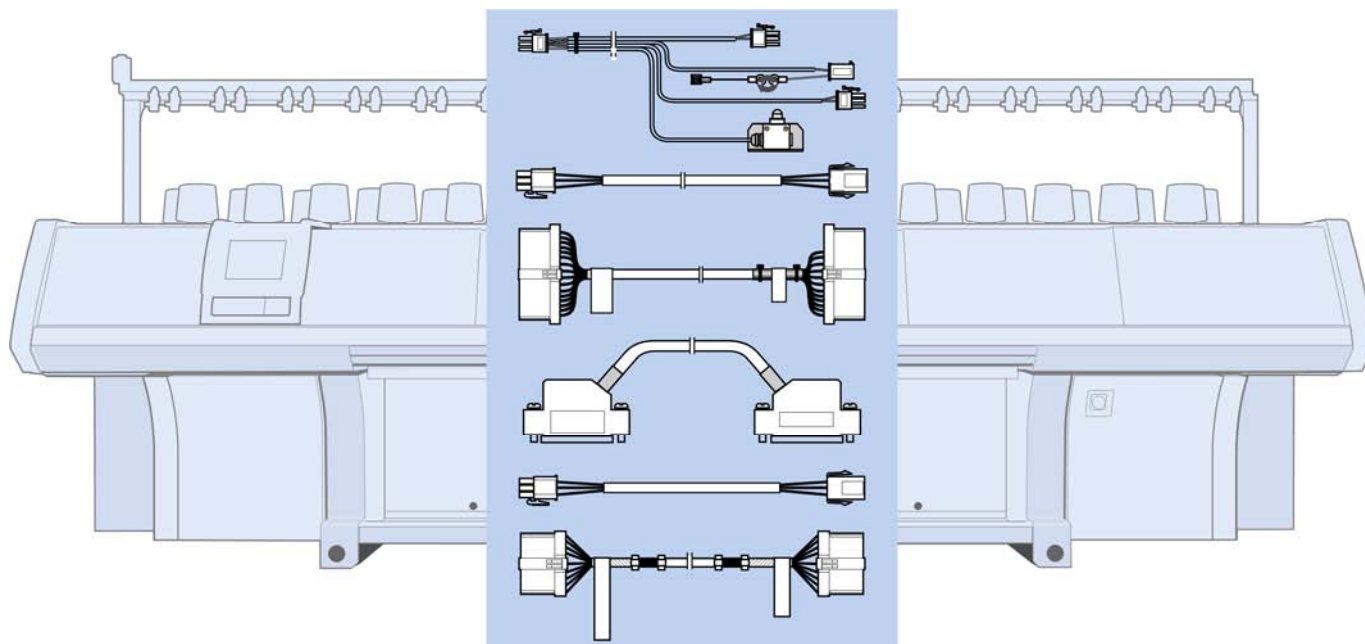


Panelling

Pos	Designation	ID	Pos	Designation	ID
1	Cover 1 (co.)	251 292	5	Cover 5 (co.)	251 296
	1a Cover 1	251 286		5a Cover 5	251 290
2	Cover 2 (co.)	251 293	6	Cover 6 (co.)	251 297
	2a Cover 2	251 287		6a Cover 6	251 291
3	Cover 3 (co.)	251 294	b	Inlet type handle	251 376
	3a Cover 3	251 288	c	Stripper	219 393
4	Cover 4 (co.)	251 295	d	Magnet	204 666
	4a Cover 4	251 289			
7	Control unit panelling on the left co.	251 161	8	Control unit panelling on the right co.	251 160
	7a Control unit panelling on the left	251 188		8a Control unit panelling on the right	251 189
	7b Side part on the left	251 162		8b Side part on the right	251 163
	7p Hinge left	252 890		8q Hinge right	252 891
7/8	q Strap	240 412	7/8	500 Screw KB 50x12	240 359
				501 Cap screw M6x16	020 135



Electrical equipment



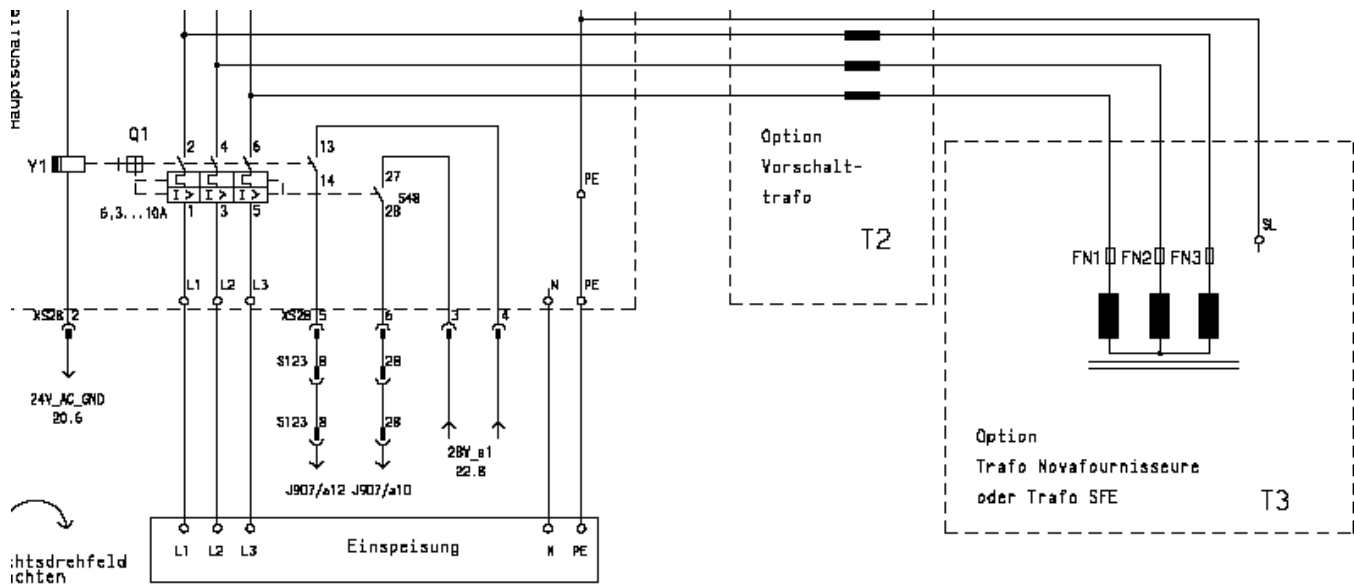
Fuses

	Designation	ID
	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

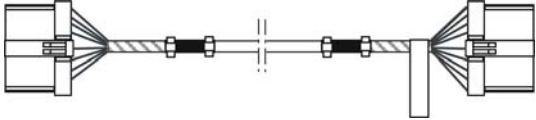
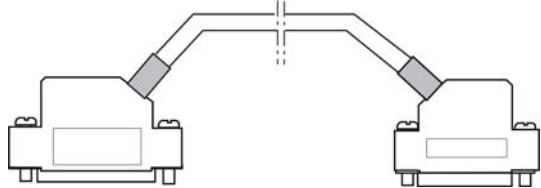
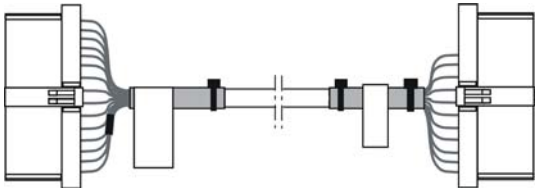
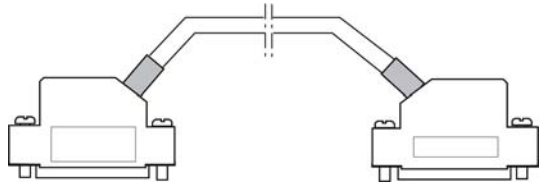
Circuit diagram as PDF

Designation	ID	Identification
Circuit diagram 219 German	243 991	DE
Circuit diagram 219 English	243 991	GB
Circuit diagram 219 Chinese	243 991	CN

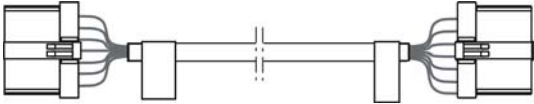
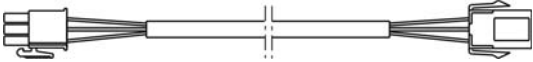
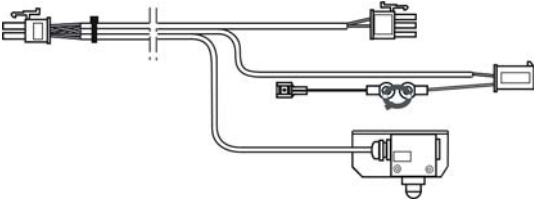
You will find the circuit diagram 219 on the CMS documentation DVD with the identification number 253 132.



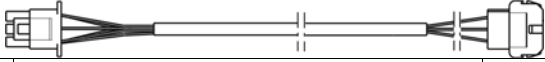
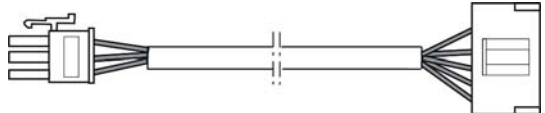
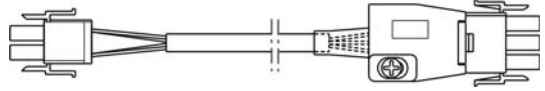
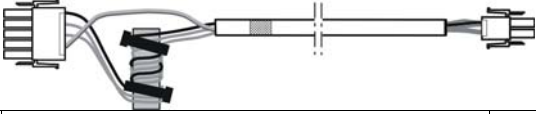
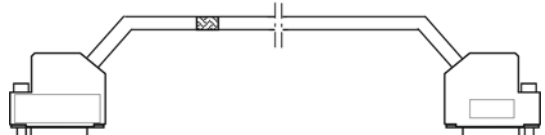
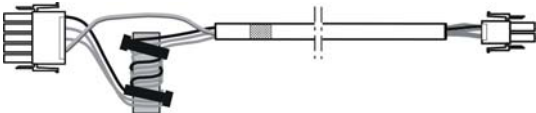
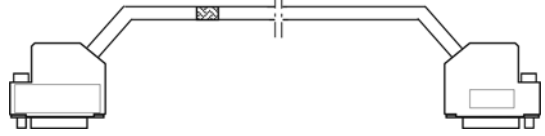
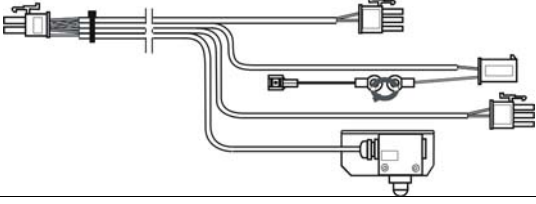
Trailing cable

Designation	ID	Designation	ID
Cable impulse giver at the rear on the left XL138, 933 OKC	242 703	Cable SM at the rear on the left XL321, 933 OKC	242 709
Cable impulse giver at the front on the left XL139, 933 OKC	242 704	Cable SM at the front on the left XL323, 933 OKC	242 711
Cable impulse giver at the rear on the right XL136, 933 OKC	242 705	Cable SM at the rear on the right XL325, 933 OKC	242 713
Cable impulse giver at the front on the right XL137, 933 OKC	242 706	Cable SM at the front on the right XL327, 933 OKC	242 715
			
Cable yarn carrier on the left, 9XX OKC	242 707	Cable signal at the rear on the left XL322, 933 OKC	242 710
Cable yarn carrier on the right, 9XX OKC	242 708	Cable signal at the front on the left XL324, 933 OKC	242 712
		Cable signal at the rear on the right XL326, 933 OKC	242 714
		Cable signal at the front on the right XL328, 933 OKC	242 716
			

Loom of cables 1

Pos	Designation	ID	Pos	Designation	ID
Σ	Loom of cables 1 OKC 9XX	242 502			
1	Cable engaging 9XX OKC	242 505	2	Cable mains supply FKE lamp 9XX OKC	242 506
					
3	Cable protective unit on the left 9XX OKC	253 616			
					

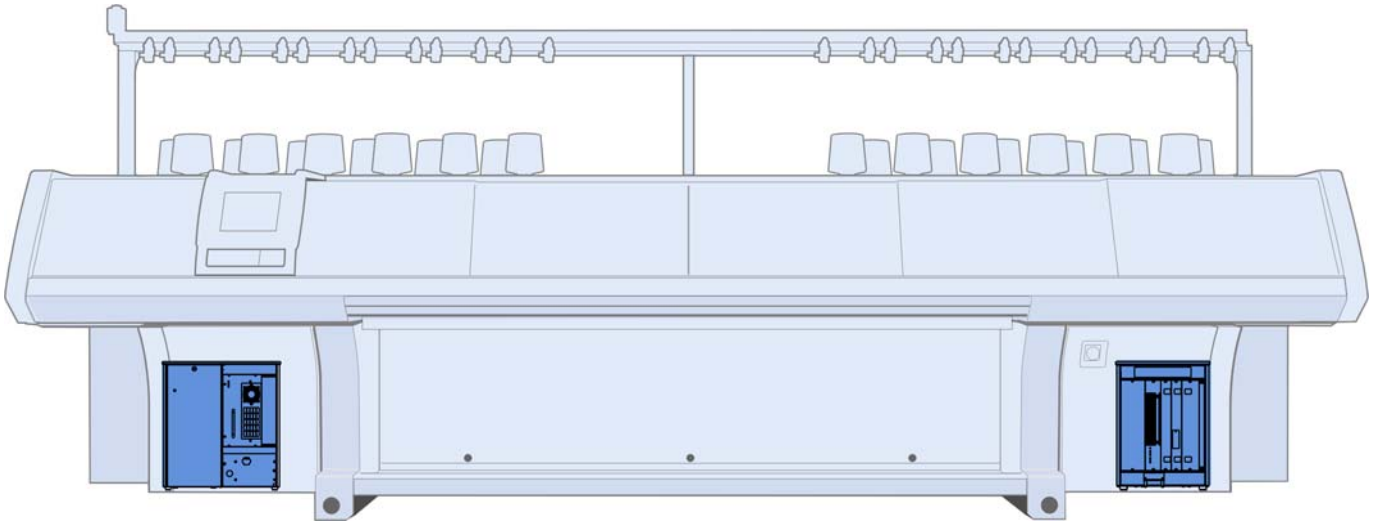
Loom of cables 2

Pos	Designation	ID	Pos	Designation	ID
Σ	Loom of cables 2 OKC 9XX	242 503			
1	Cable motor HIAB pressure roller 96" OKC	242 508	2	Cable impulse giver pressure roller 96" OKC	242 509
					
3	Cable limit switch racking 9XX OKC	242 510	4	Cable ventilator drive 9XX OKC	242 511
					
5	Cable feed wheel on the right 96" OKC	242 512	6	Cable drive motor 9XX OKC	242 513
					
7	Cable resolver drive 9XX OKC	242 514	8	Cable racking motor 9XX OKC	242 515
					
9	Cable resolver racking 9XX OKC	242 516	10	Cable protective unit on the right 9xx OKC	253 615
					
11	Cable fabric sensor OKC	242 518			
					

Loom of cables 3

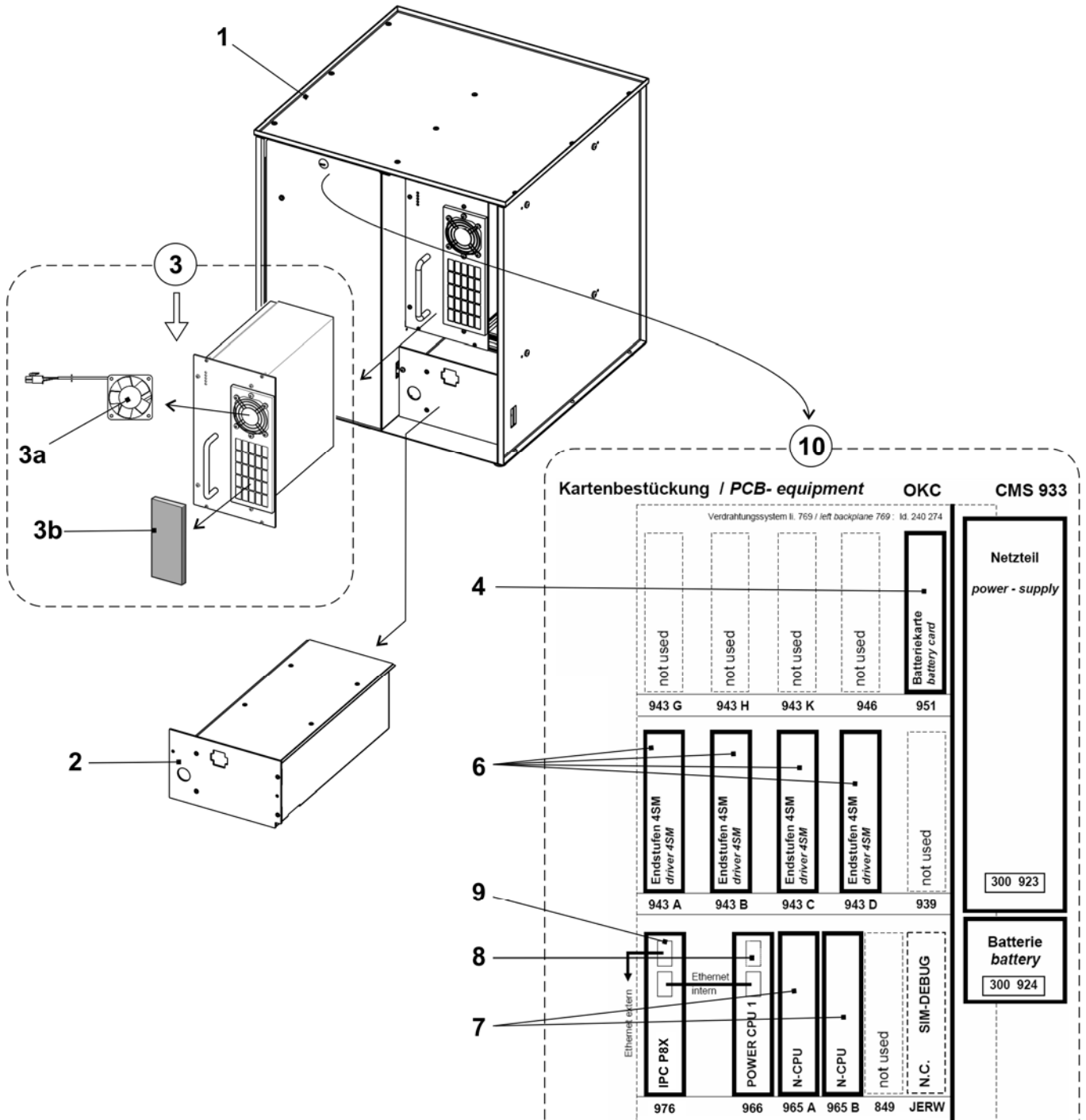
Pos	Designation	ID	Pos	Designation	ID
Σ	Loom of cables 3, 96" OKC	242 504			
1	Cable CAN 96" okc	242 522	2	Cable electro 96" OKC	242 523
3	Cable feed wheel on the left 96" OKC	242 524	4	Cable motor HAAB 9XX OKC	242 521
5	Cable switch HAAB 96" OKC	242 520	6	Cable power supply WAZ/F 96" OKC	242 765
7	Cable power supply Servo 96" OKC	242 766	8	Cable power supply of mains supply 96" OKC	242 767
9	Cable power supply lighting 96" OKC	242 768	10	Cable motor HIAB 96" OKC	242 525
11	Cable impulse giver HIAB 96" OKC	242 526	12	Cable impulse giver HAAB 96" OKC	242 519
13	Cable power supply FLENT 96" OKC	251 232			

Control electronics



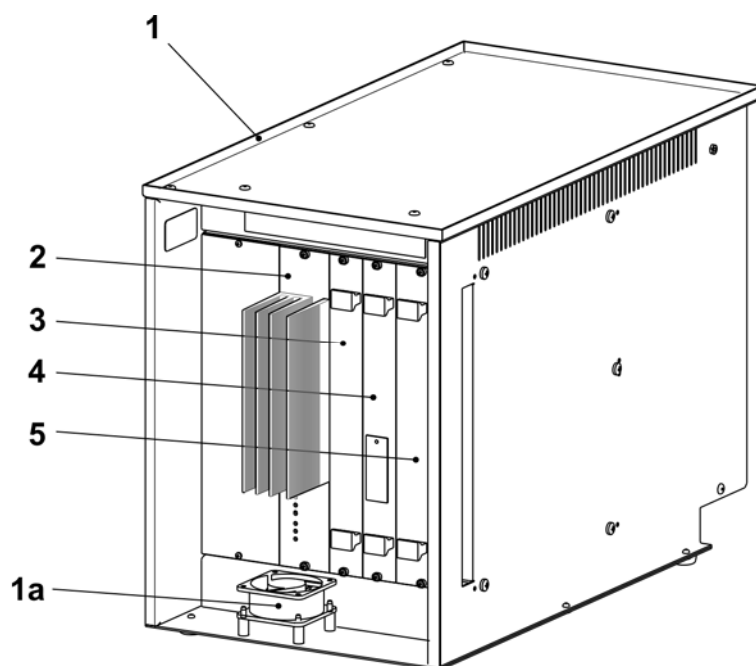
Left control cabinet

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit on the left co. 933 okc	240 761	4	Card battery OKC	300 951
1	Control unit on the left without equipment	240 757	6	Card amplifier 4SM 7TE	300 943
2	Battery plug-in unit	300 924	7	Card N-CPU 432	300 965
3	Power supply CG54	300 923	8	Card power CPU1	300 966
3a	Ventilator power supply	239 305	9	Card IPC P8X OKC	300 976
3b	Filter mat CG54	239 350	10	Adhesive label of card equipment	242 483

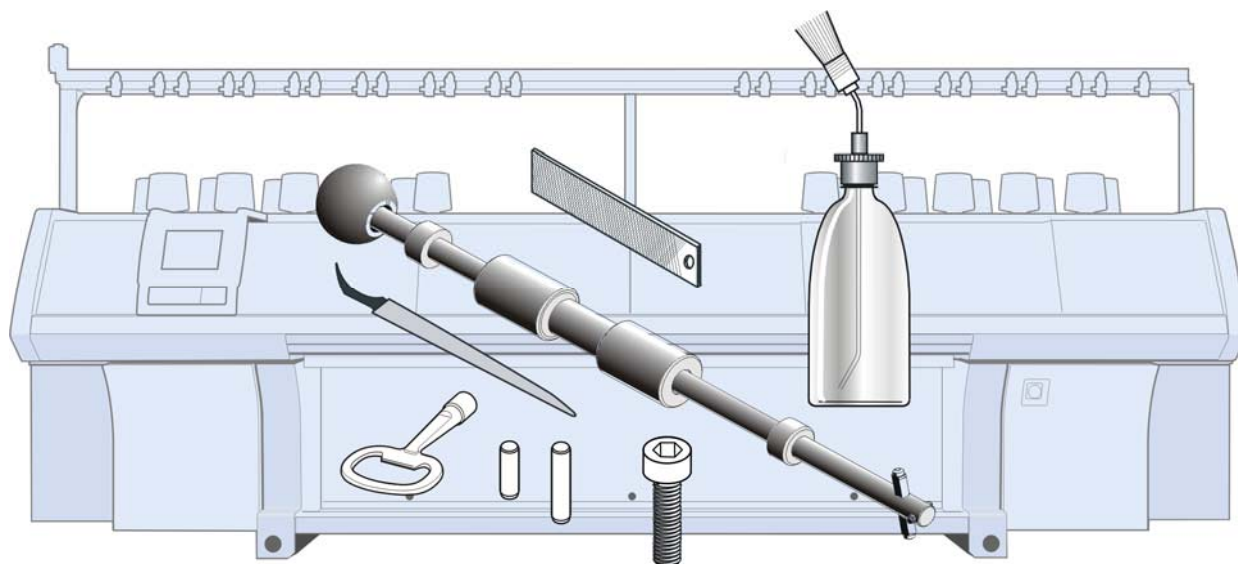


Right control cabinet

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit on the right co. OKC	238 738			
1	Control unit on the right without equipment	238 737	3	Card relay OKC	300 953
1a	Axial fan Servo 5	229 059	4	Card CWAZ	300 929
2	Card servo 6	301 000	5	Card CWAZ capacitor	300 936



Deliverable accessories

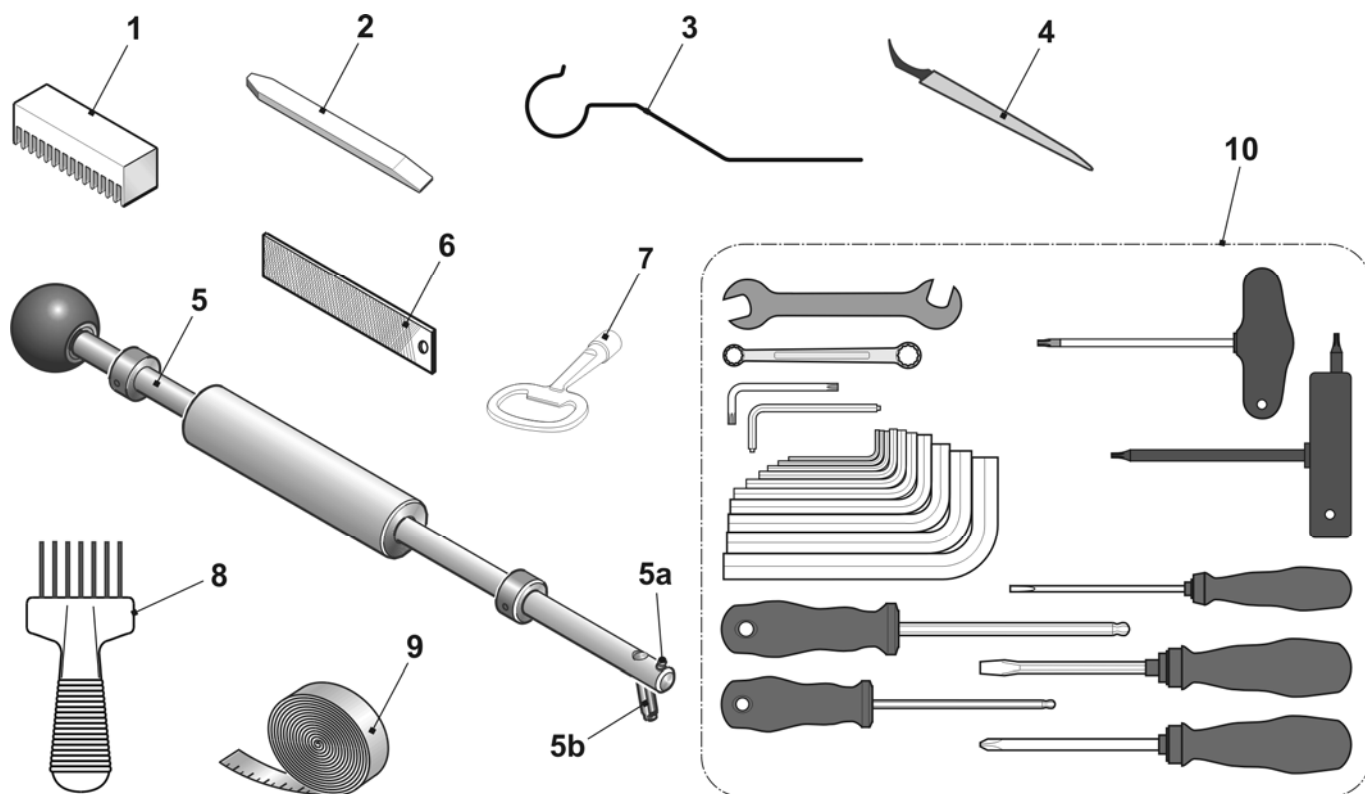


You can order the following tools, lubricants and expendables.

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

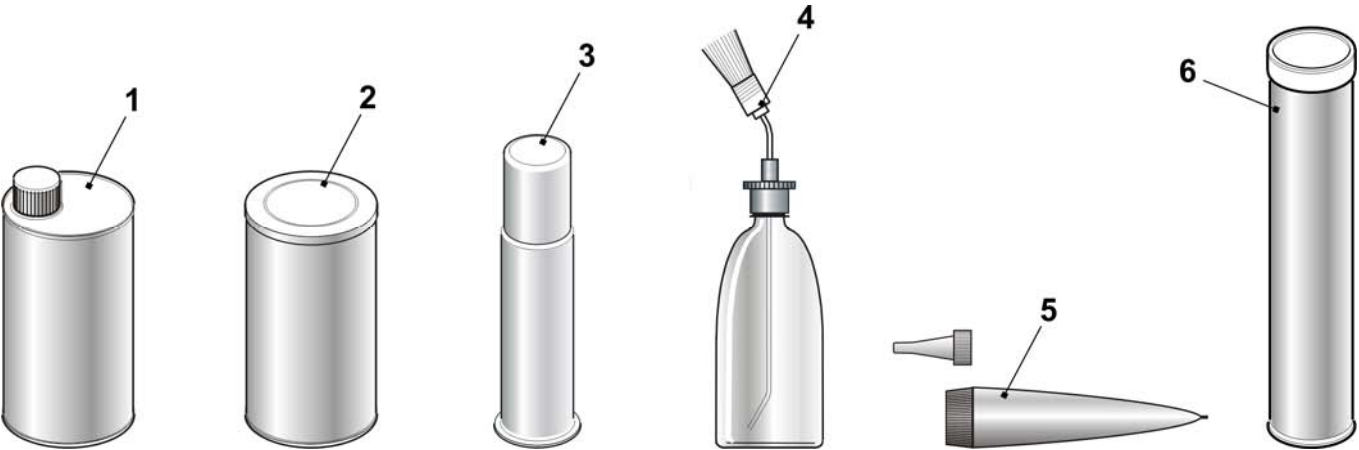
Tool

Pos	Designation	ID	Pos	Designation	ID
1	Channel support E4	062 309	6	Groove file 1.33 mm E3-4	006 169
	Channel support E5, E2,5.2	062 310		Groove file 1.25 mm E5-8, E3,5.2	006 170
	Channel support E7, E3,5.2	062 312		Groove file 0.90 mm E10-12, E5.2 + 6.2	006 175
	Channel support E8	062 313		Groove file 0.73 mm E14, E7.2	006 173
	Channel support E10, E5.2	062 314		Groove file 0.45 mm E16-18, E9.2	006 179
	Channel support E12, E6.2	062 315			
	Channel support E14, E7.2	218 069	7	Key of switch cabinet	009 346
	Channel support E16, E8.2	230 188	8	Groove cleaner E4	031 232
	Channel support E18, E9.2	230 189		Groove cleaner E5	031 233
	Channel support E20	230 190		Groove cleaner E6	031 234
2	Channel chisel E14-20 (E5-14)	062 316		Groove cleaner E7, E3,5.2	031 235
	Channel chisel E4-8 (E3,5.2)	062 317		Groove cleaner E8	031 236
	Channel chisel E10-14	062 318		Groove cleaner E10 (E5.2)	031 238
3	Yarn guide on the left	227 071		Groove cleaner E12 (E6.2)	031 240
	Yarn guide on the right	227 070		Groove cleaner E14 (E7.2)	031 242
4	Working hook	227 249		Groove cleaner E16	225 111
	Extraction hook	232 027		Groove cleaner E18 (E9.2)	225 112
5	5a Small pin	202 843		Groove cleaner E20	225 113
	5b Pin	232 022	9	Measuring tape L=150 cm	228 180
			10	Tool kit	209 527



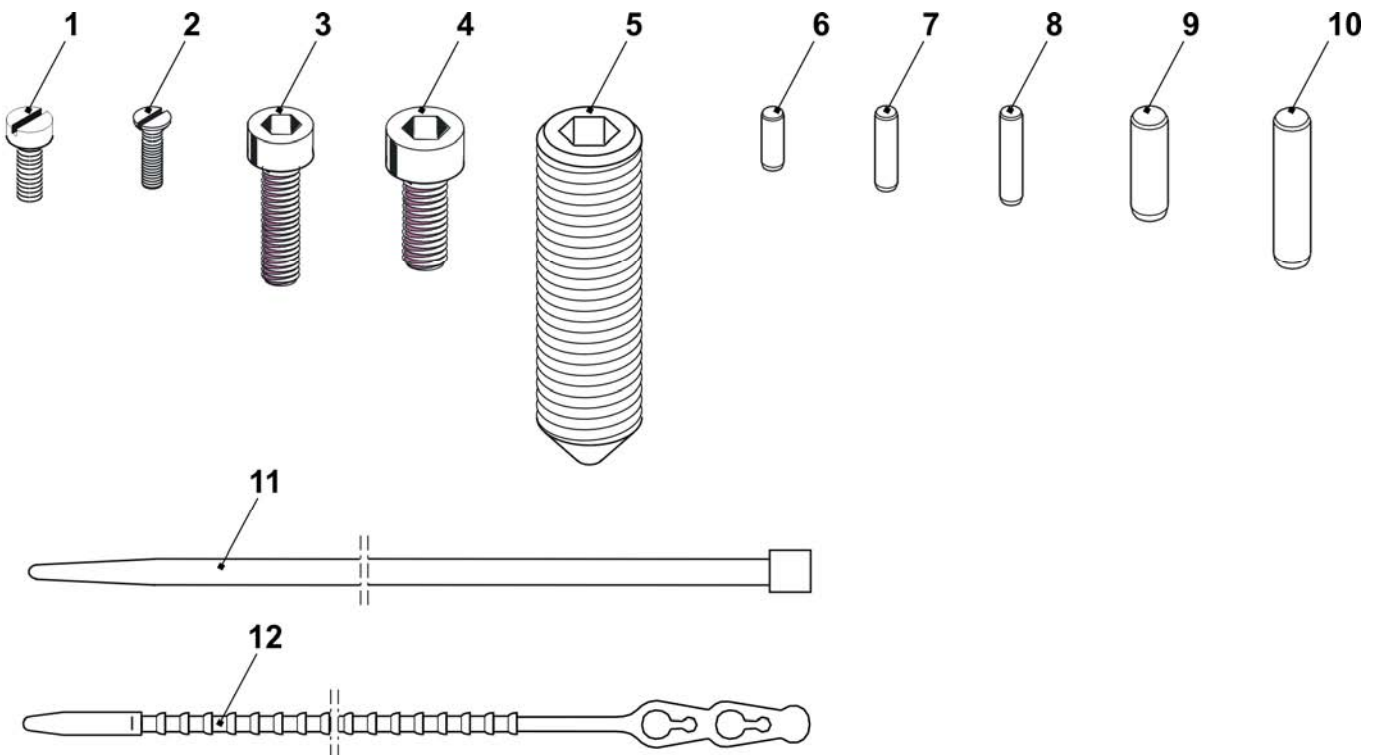
Lubricating stuff

Pos	Designation	ID	Pos	Designation	ID
1	Textile machines oil T46, 1l	230 614	4	Ölkombifix	216 732
2	Grease OKS 475, 1kg	009 200	5	White grease paste OKS270	229 372
3	Grease OKS 475, 150g	005 351	6	Grease Staburags NBU 12/300KP	231 191

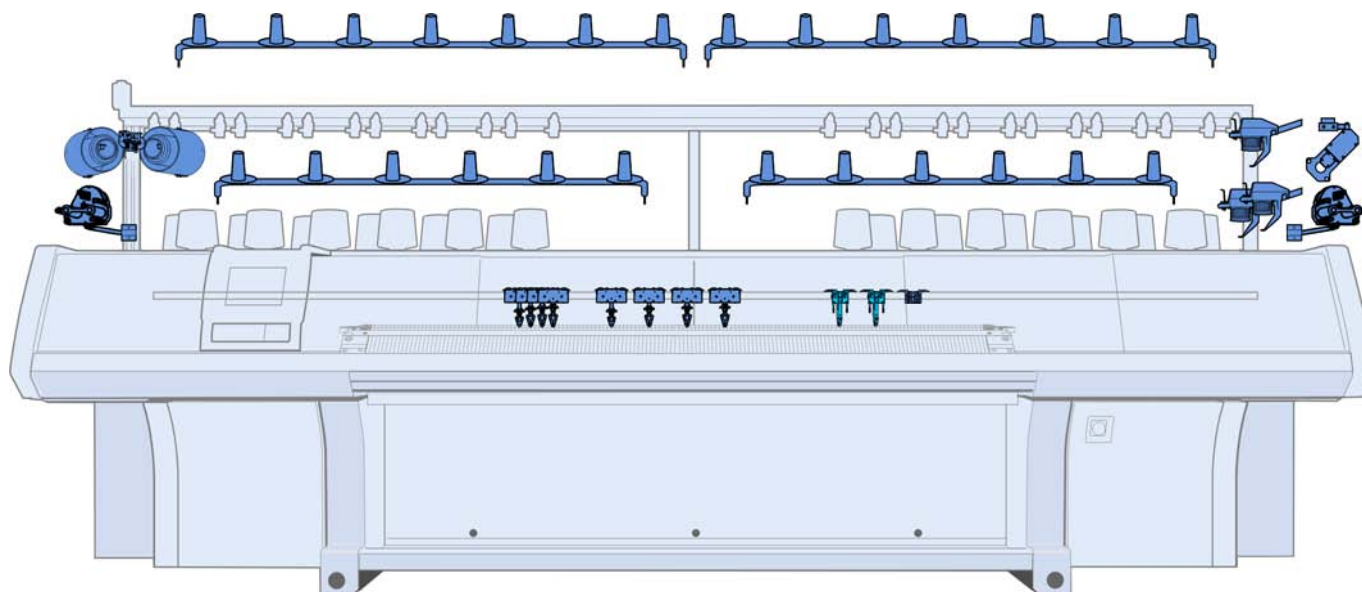


Mechanical parts

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			

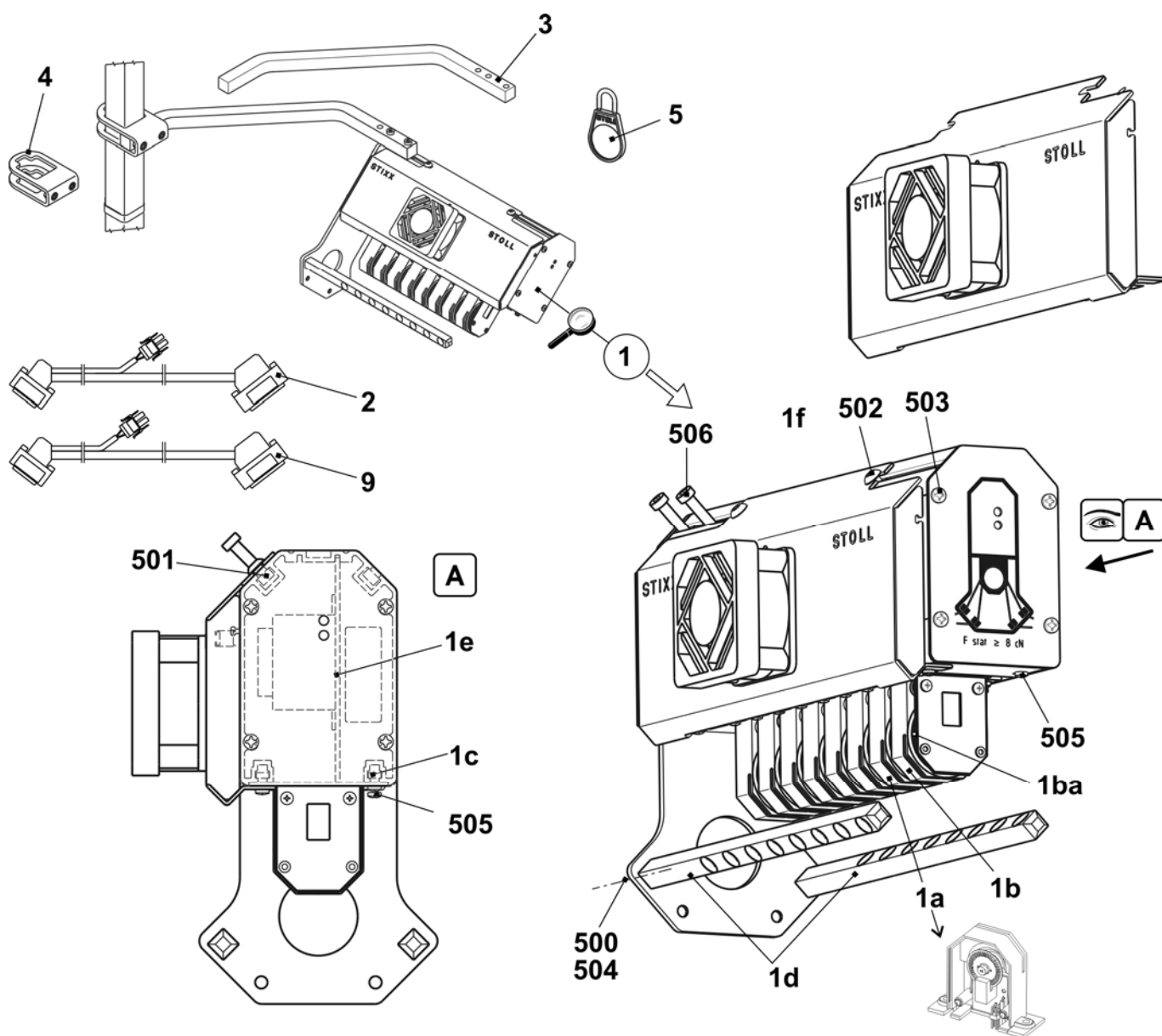


Special equipment



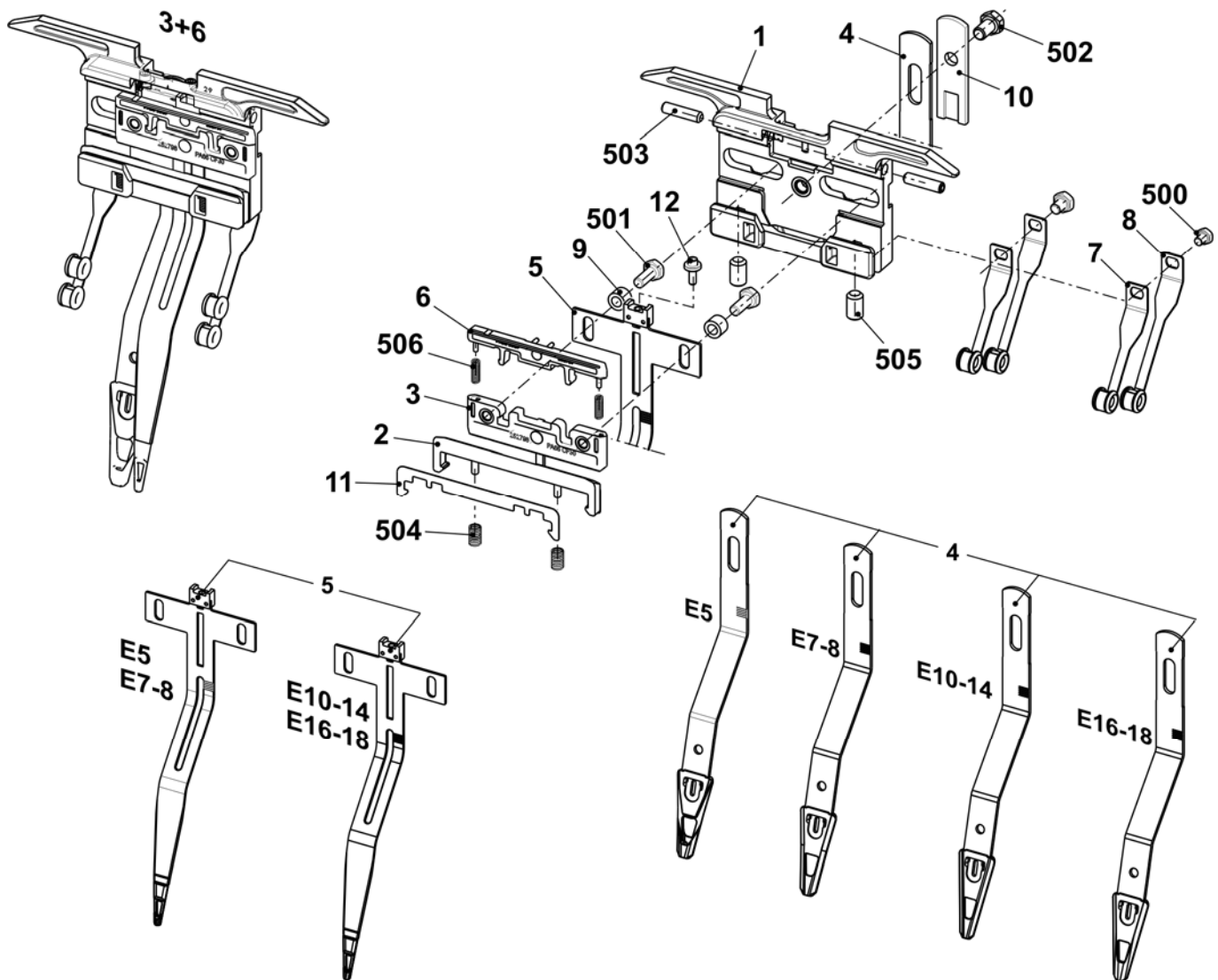
STIXX device

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn length measuring device	223 382	4	Clamp	223 025
1	Yarn length measuring device 3	236 275	5	Setting weight	212 241
1a	Sensor	211 354	9	Cable length measuring MSLU7	225 114
1b	Sensor co.	212 406	500	Countersunk screw M5x10	023 247
1ba	Rubber running ring	212 390	501	Spring nut M5	022 873
1c	Threaded bar	211 801	502	Countersunk screw M5x6	023 246
1d	Yarn guide rod	211 352	503	Sheet metal screw ST3.5x13	022 940
1e	Card STIXX-CPU	300 934	504	Spring washer A5	022 454
1f	Ventilator co.	212 255	505	Oval head screw M3x10	023 380
2	Cable length measuring	236 718	506	Cap screw M5x22	023 193
3	Support	223 030			



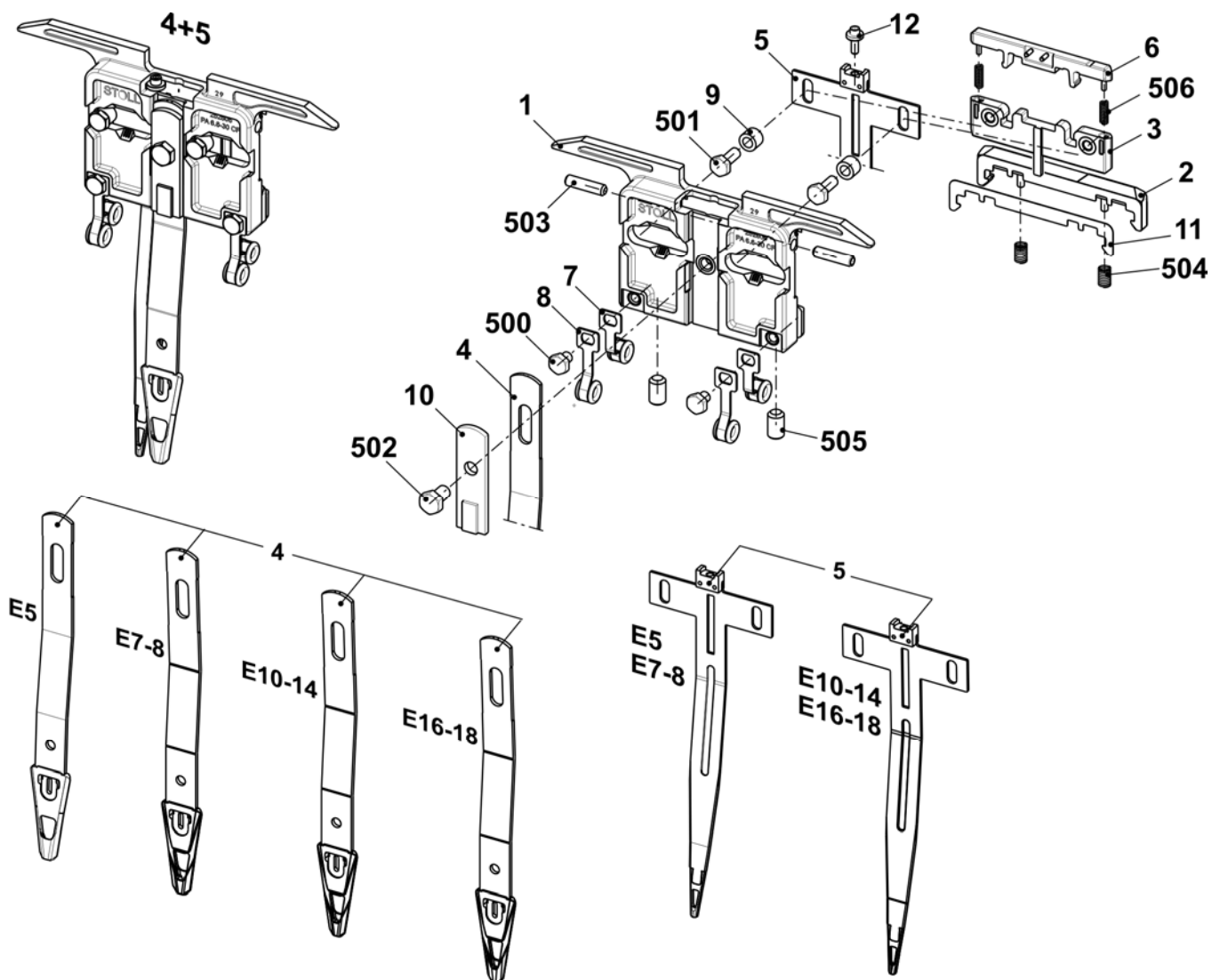
Plating yarn carrier 3+6

Pos	Designation	ID	Pos	Designation	ID
Σ	Plating yarn carrier carriage 3+6 co.				
	E5 + E2,5.2 + E3,5.2 + E5.2	252 782	6	Sliding part	252 797
	E7 + E8 + E6.2	252 784	7	Eyelet holder co.	252 825
	E10 + E12 + E14 + E7.2 + E8.2	252 786	8	Eyelet holder co.	252 824
	E16 + E18 + E9.2	252 788	9	Spacer	252 796
1	Plating yarn carrier carriage	252 806	10	Shim	213 035
2	Sliding part	212 583	11	Shim	216 143
3	Slider	252 798	12	Adjusting screw	253 436
4	Plating yarn carrier bow 3+6		500	Hexagon screw M4x5	243 779
	E5	252 820	501	Hexagon screw M4x10	020 346
	E7-8	252 821	502	Hexagon screw	252 832
	E10-14	252 822	503	Grub screw M4x16	254 196
	E16-18	252 823	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



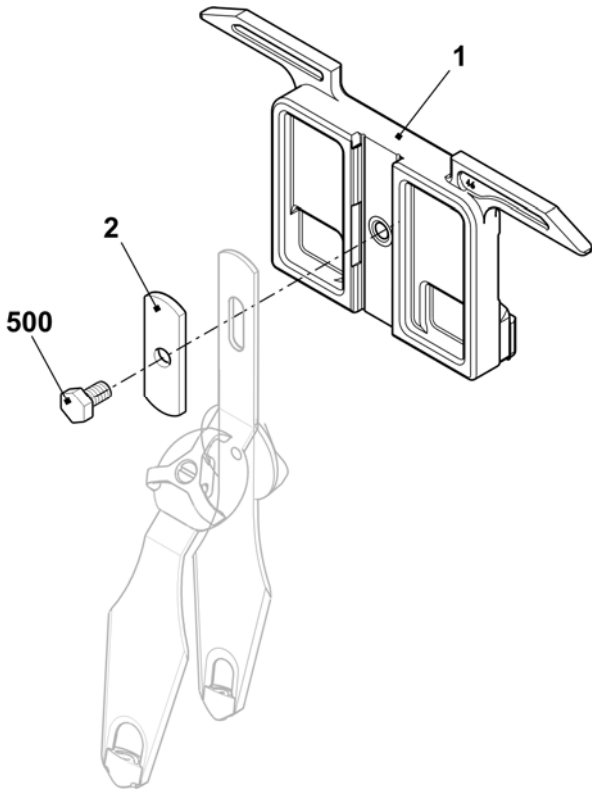
Plating yarn carrier 4+5

Pos	Designation	ID	Pos	Designation	ID
Σ	Plating yarn carrier carriage 4+5 co.				
	E5 + E2,5.2 + E3,5.2 + E5.2	252 781	6	Sliding part	252 797
	E7 + E8 + E6.2	252 783	7	Eyelet holder co.	252 815
	E10 + E12 + E14 + E7.2 + E8.2	252 785	8	Eyelet holder co.	252 816
	E16 + E18 + E9.2	252 787	9	Spacer	252 796
1	Plating yarn carrier carriage	252 806	10	Shim	213 035
2	Sliding part	212 583	11	Shim	216 143
3	Slider	252 798	12	Adjusting screw	253 436
4	Plating yarn carrier bow 4+5		500	Hexagon screw M4x5	243 779
	E5	252 790	501	Hexagon screw M4x10	020 346
	E7-8	252 791	502	Hexagon screw	252 832
	E10-14	252 792	503	Grub screw M4x16	254 196
	E16-18	252 793	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



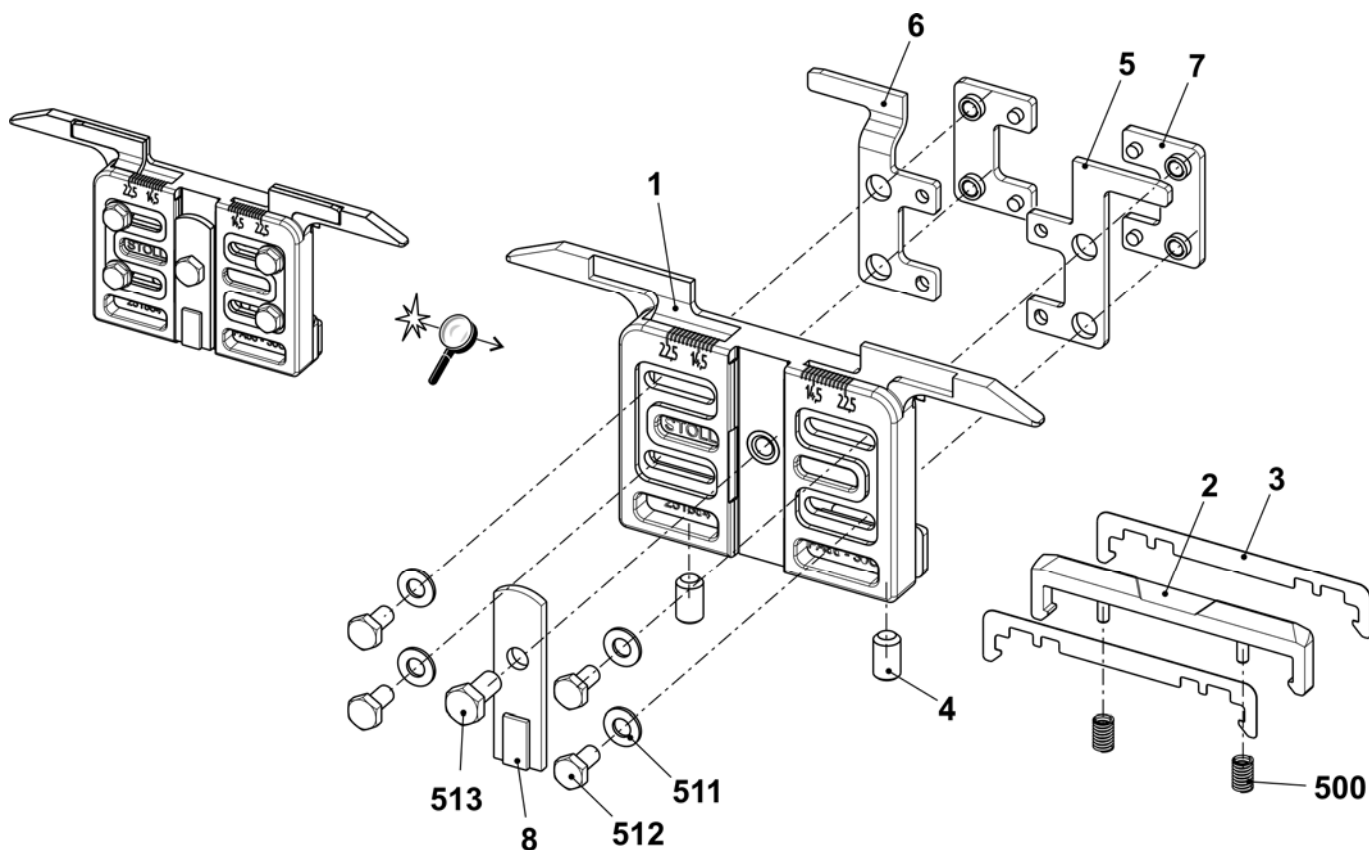
Carriage of plating yarn carrier

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage of plating YC co. E5-18	244 998			
1	YC carriage MW46	244 253	500	Hexagon screw M5x10	020 351
2	Shim	213 035			



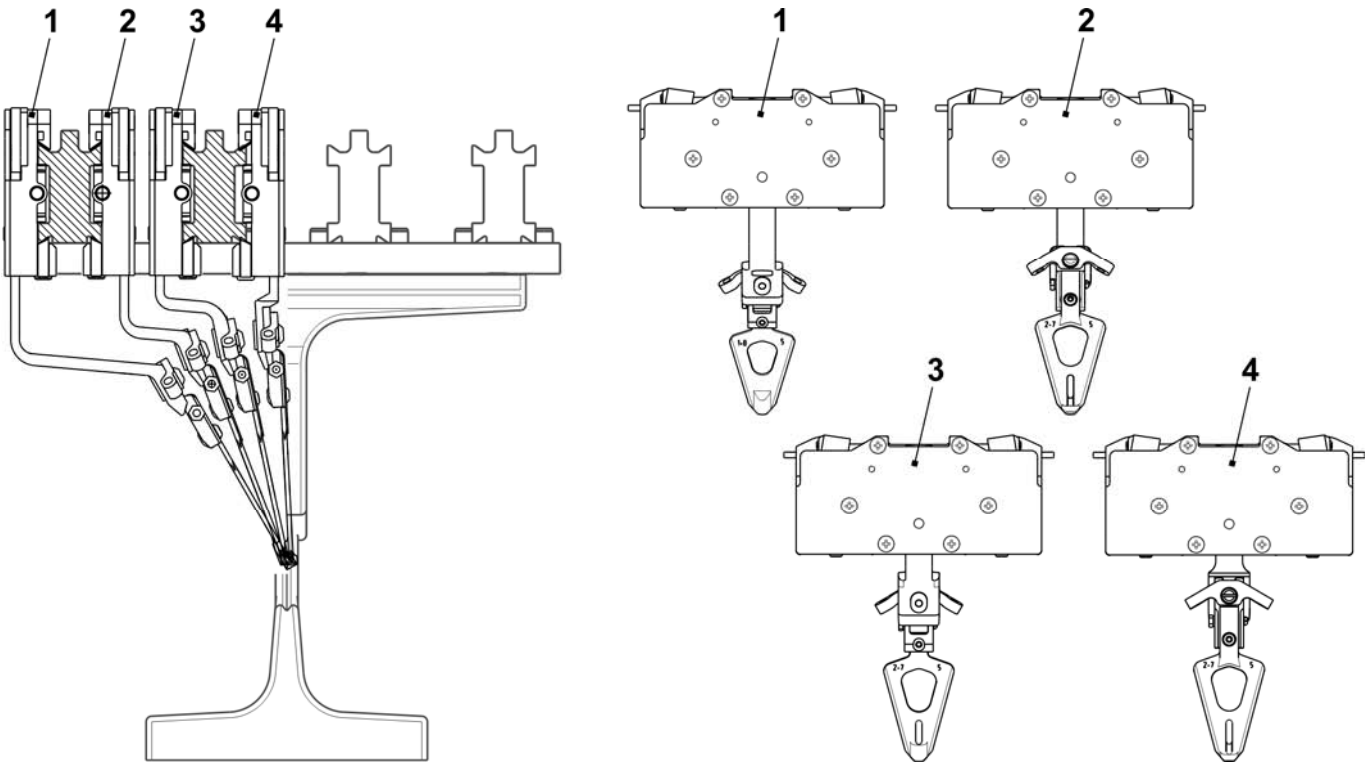
Carriage of plating yarn carrier (adjustable)

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



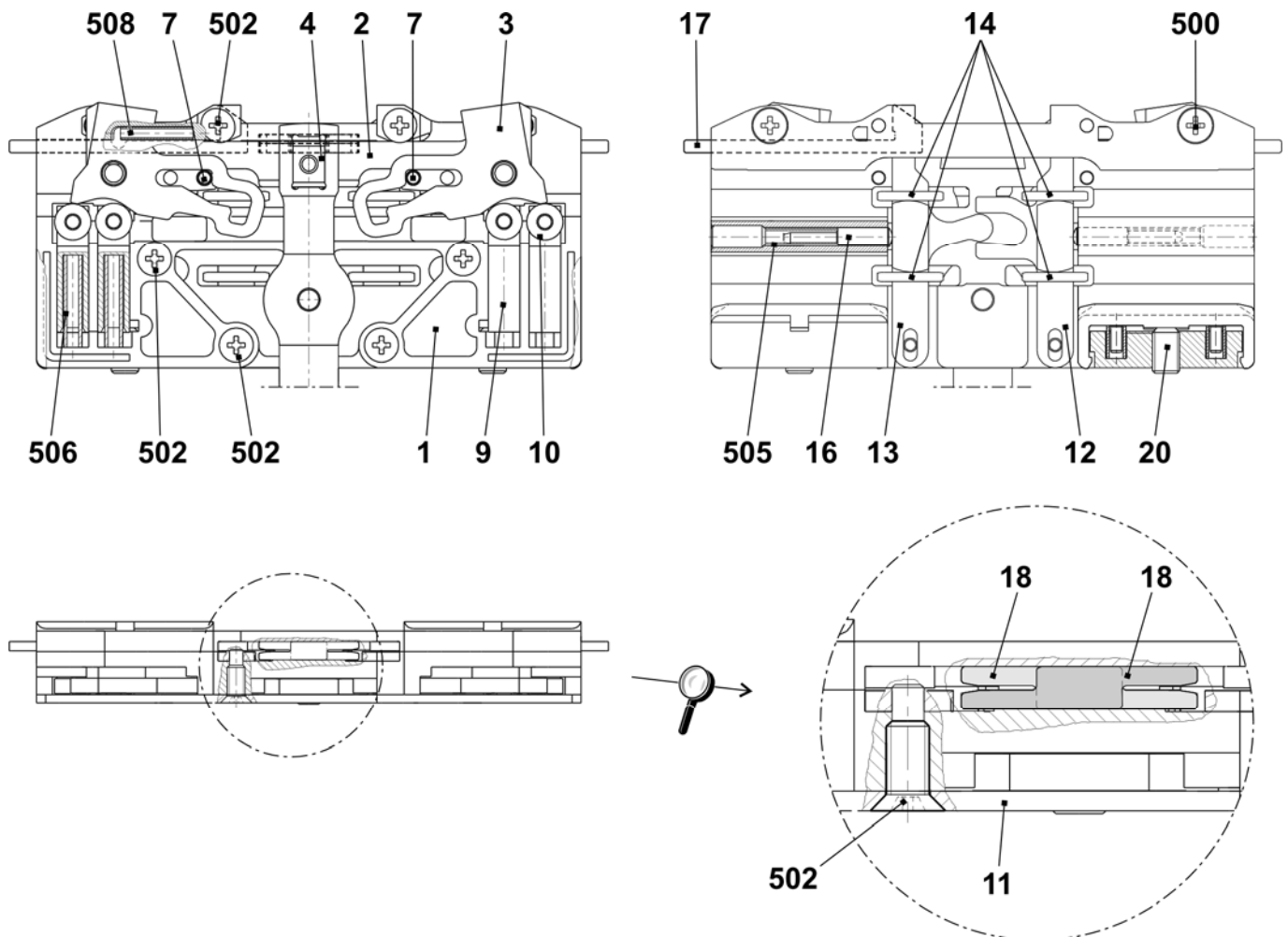
Co. intarsia yarn carriers

Designation	Gauge	Track	Pos	ID	Designation	Gauge	Track	Pos	ID
IYC carriage co.	E5	1 + 8	1	212 974	IYC carriage co.	E14 E8.2	1 + 8	1	214 146
	E2,5.2	2 + 7	2	212 977			2 + 7	2	214 147
	E3,5.2	3 + 6	3	212 980			3 + 6	3	214 148
	E5.2	4 + 5	4	212 983			4 + 5	4	214 149
	E7 - E8 E6.2	1 + 8	1	212 975		E16 - E18	1 + 8	1	227 126
		2 + 7	2	212 978			2 + 7	2	227 127
		3 + 6	3	212 981			3 + 6	3	227 128
		4 + 5	4	212 984			4 + 5	4	227 129
	E10 - E12 E6.2(12) E7.2 E9.2	1 + 8	1	212 976					
		2 + 7	2	212 979					
		3 + 6	3	212 982					
		4 + 5	4	212 985					



Carriage IYC

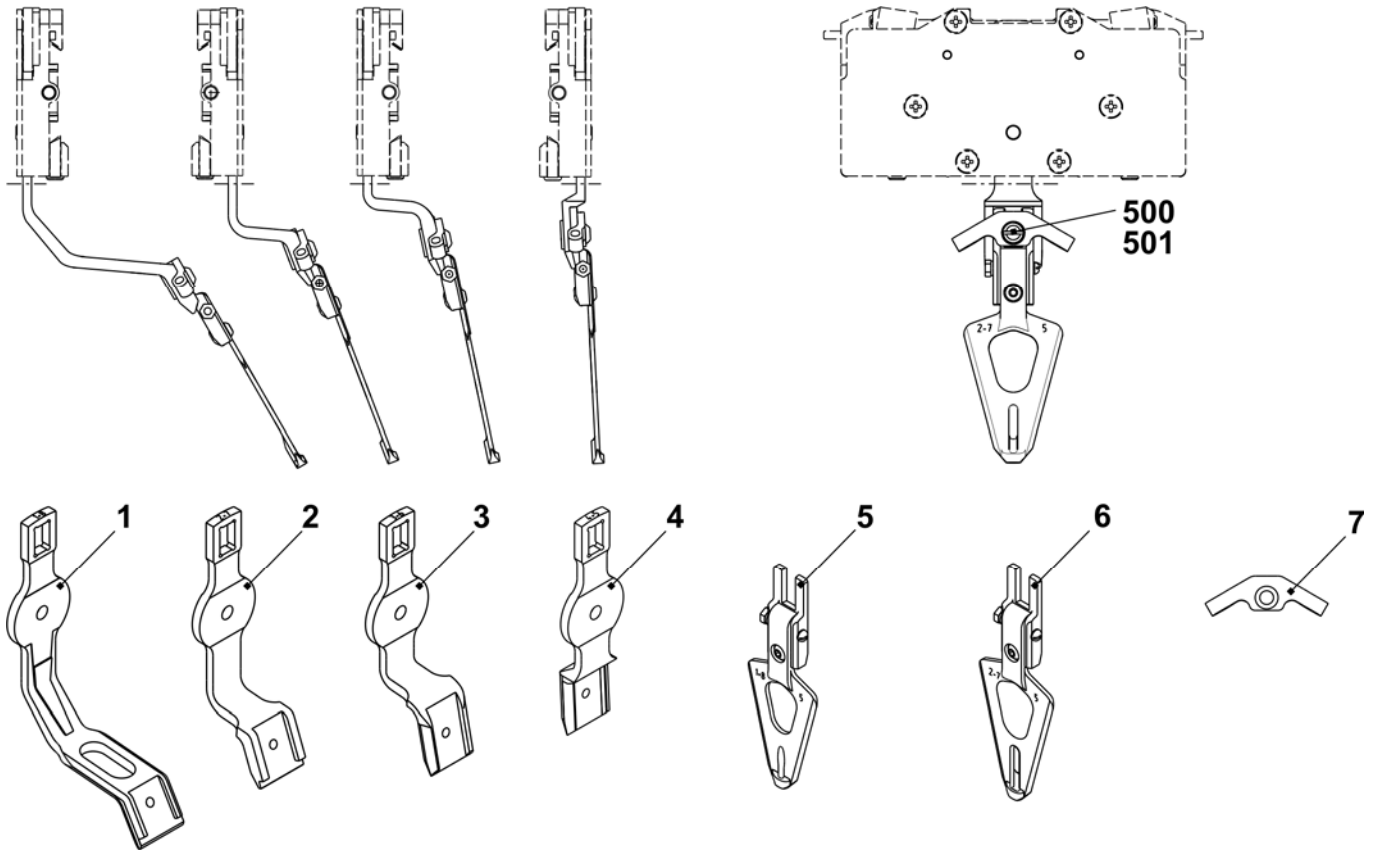
Pos	Designation	ID	Pos	Designation	ID
1	Basic plate co.	216 031	14	Pressure plate 2,04	201 654
20	Threaded bolt	213 399		Pressure plate 2,06	208 924
2	Slider co.	217 170		Pressure plate 2.02	235 740
3	Locking plunger	212 508	16	Spring pin	201 677
4	Sliding block	213 807	17	Lifter	212 547
7	Locating pin 3,3	212 504	18	Sliding part	212 543
	Locating pin 3,4	212 505	20	Threaded bolt	213 399
	Locating pin 3.5	212 506	500	Countersunk head screw M4x6	022 994
9	Thrust piece	212 773	502	Countersunk head screw M4x12.5	022 979
10	Pressure roller	212 774	505	Compression spring 0.4x3.2x26.5	022 982
11	Cover	212 507	506	Compression spring 4.0x0.7x25	022 969
12	Clamping lever on the right	216 087	508	Compression spring 2.8x0.35x19	023 394
13	Clamping lever on the left	216 0 88			



Bow and head IYC

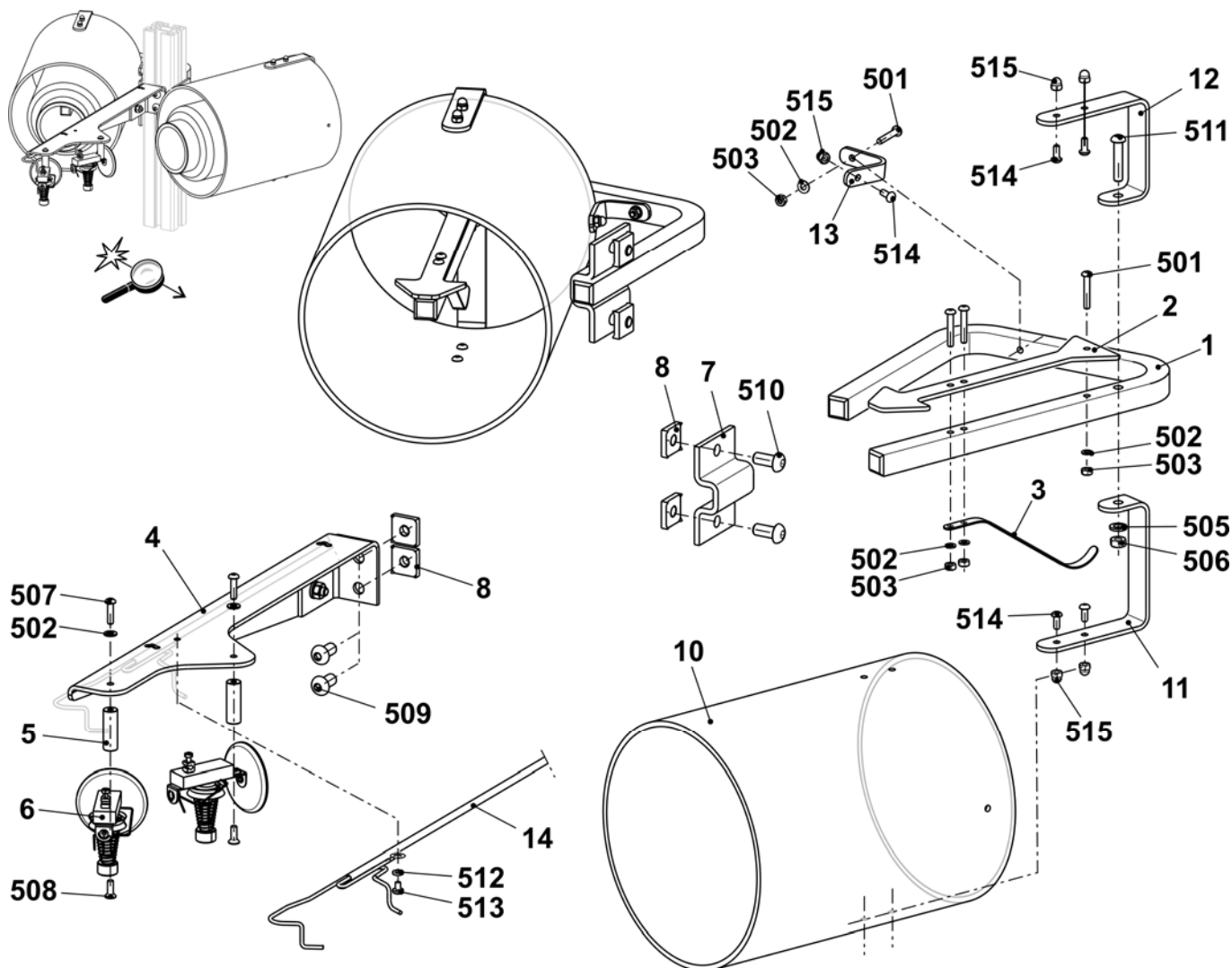
Pos	Designation	ID	Pos	Designation	ID
1	YC bow 1+8	212 986	7	Yarn guide angle	201 672
2	YC bow 2+7	212 987	500	Countersunk screw M4x8	023 579
3	YC bow 3+6	212 988	501	Circlip S4-FST	022 774
4	YC bow 4+5	212 989			

Pos	Designation	Gauge	Track	ID	Pos	Designation	Gauge	Track	ID
5	YC head	E5, E5.2	1 + 8	208 579	6	YC head	E5, E5.2	2 + 7 3 + 6 4 + 5	208 581
		E2,5.2					E2,5.2		
		E3,5.2					E3,5.2		
		E7 - E8		208 580			E7 - E8		208 582
		E6.2					E6.2		
		E10 - E12		209 700			E10 - E12		209 701
		E6.2(12)					E6.2(12)		
		E7.2					E7.2		
		E9.2					E9.2		
		E14		213 864			E14		213 865
		E8.2					E8.2		
		E16 - E18		227 109			E16 - E18		227 113



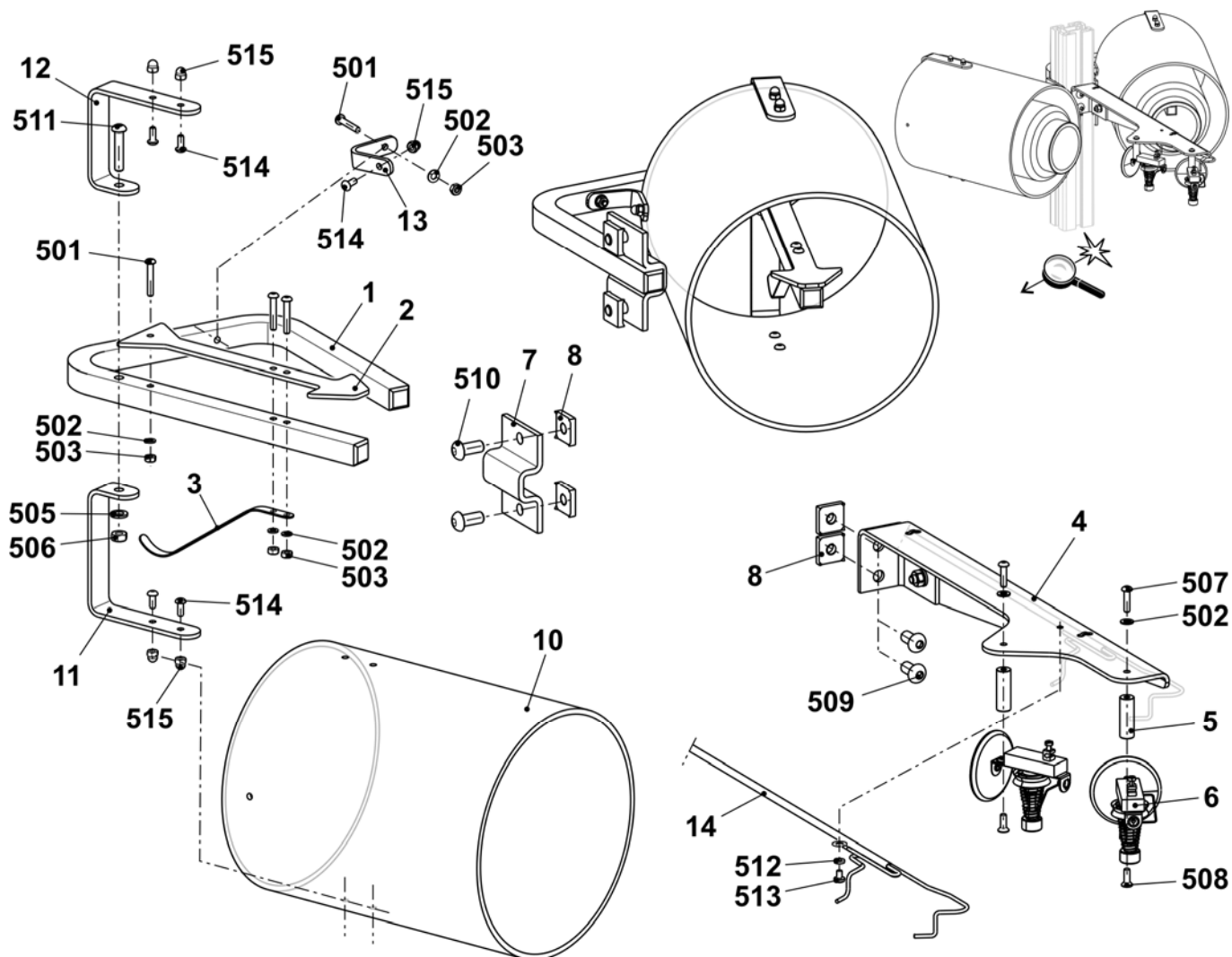
Bobbin holder on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the left	253 965	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 left	253 347	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



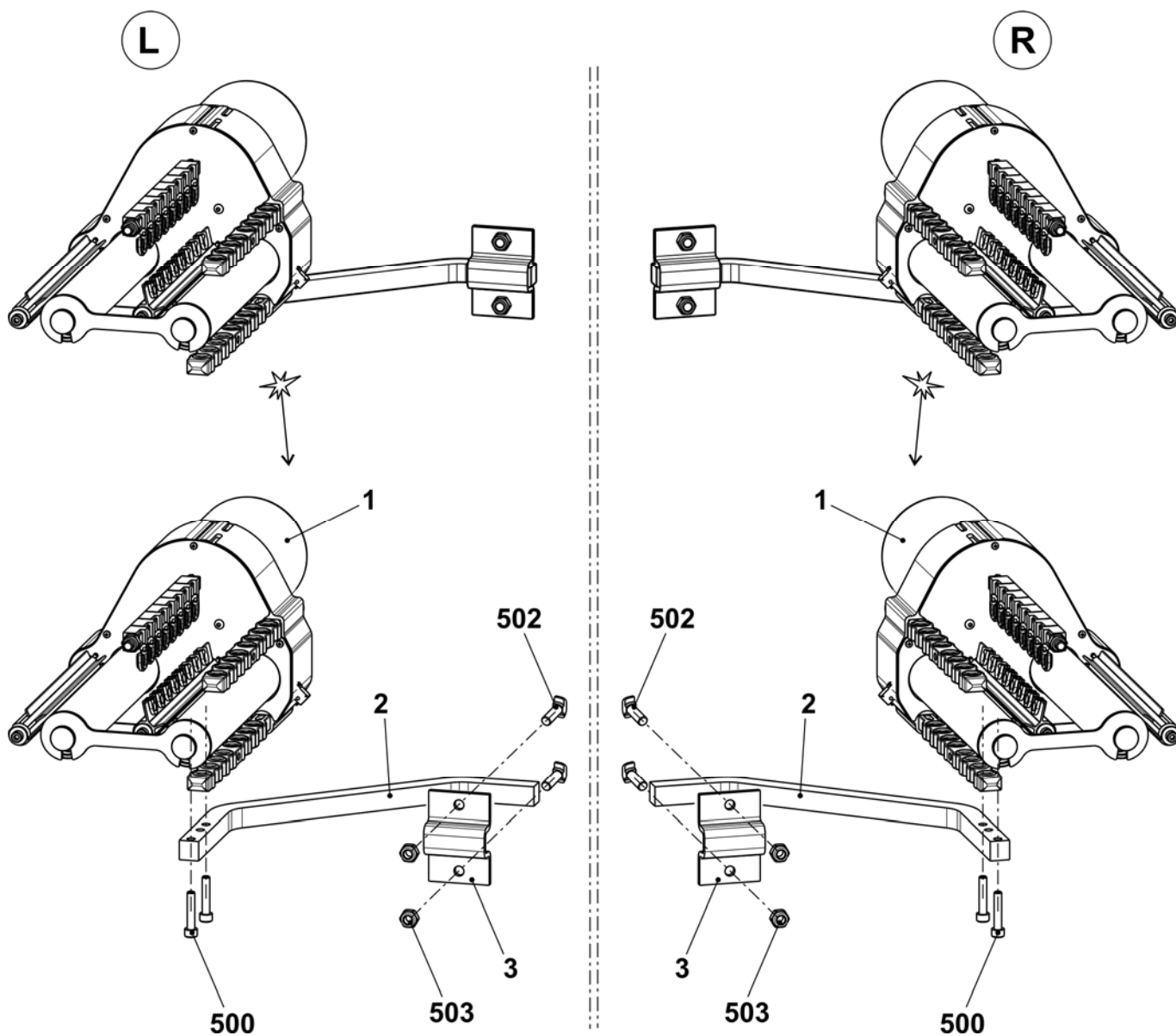
Bobbin holder on the right

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



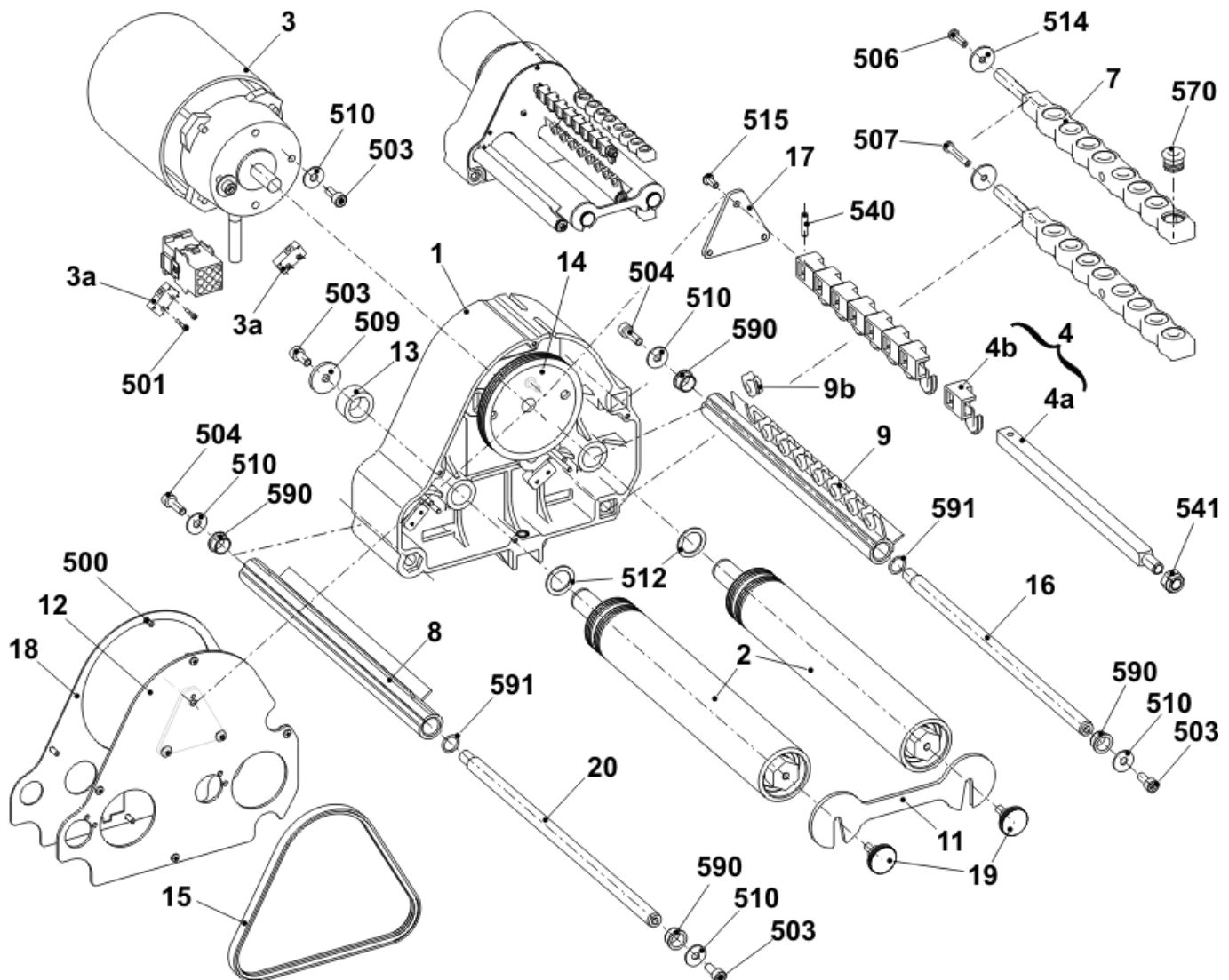
Friction feed wheel on the left and on the right co.

Pos	Designation	ID	Pos	Designation	ID
ΣL	Friction feed wheel on the left co. 933	243 767	ΣR	Friction feed wheel on the right co. 933	243 768
1	Friction feed wheel on the left	243 571	1	Friction feed wheel on the right	243 572
2	Support	223 030	2	Support	223 030
3	Clamp	228 583	3	Clamp	228 583
500	Cap screw M6x30	020 138	500	Cap screw M6x30	020 138
502	T-head bolt M8x25	022 866	502	T-head bolt M8x25	022 866
503	Hexagon nut M8	022 843	503	Hexagon nut M8	022 843



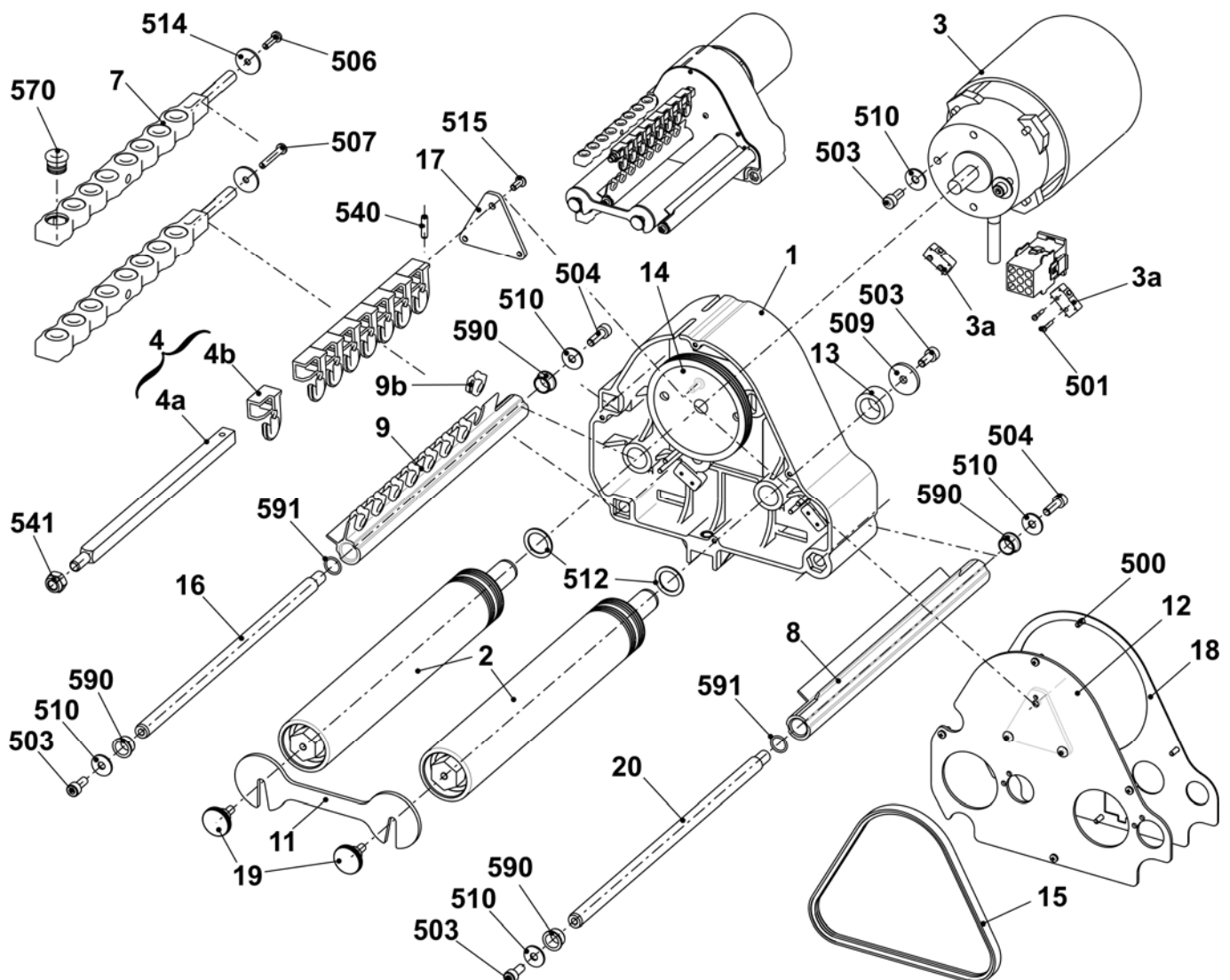
Left friction feed wheel

Pos	Designation	ID	Pos	Designation	ID
Σ	Friction feed wheel on the left co.	243 571	13	Bush	221 391
1	Housing	240 368	14	Ribbed V-belt pulley	221 268
2	Friction roller co.	231 704	15	Ribbed V-belt pulley V3J 406	206 927
3	Three-phase AC motor co.	219 800	16	Rod	221 319
3a	Microswitch	008 664	17	Supporting plate	251 096
4	Deflector co. 8-fold	250 089	18	Cover	230 758
4a	Support rail	250 055	19	Knurled screw	223 361
4b	Eyelet holder co.	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 co.	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 co.	230 690	506	Screw KB 40x14	241 358
9	Stop motion rail on the left co. with eyelets	230 683	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



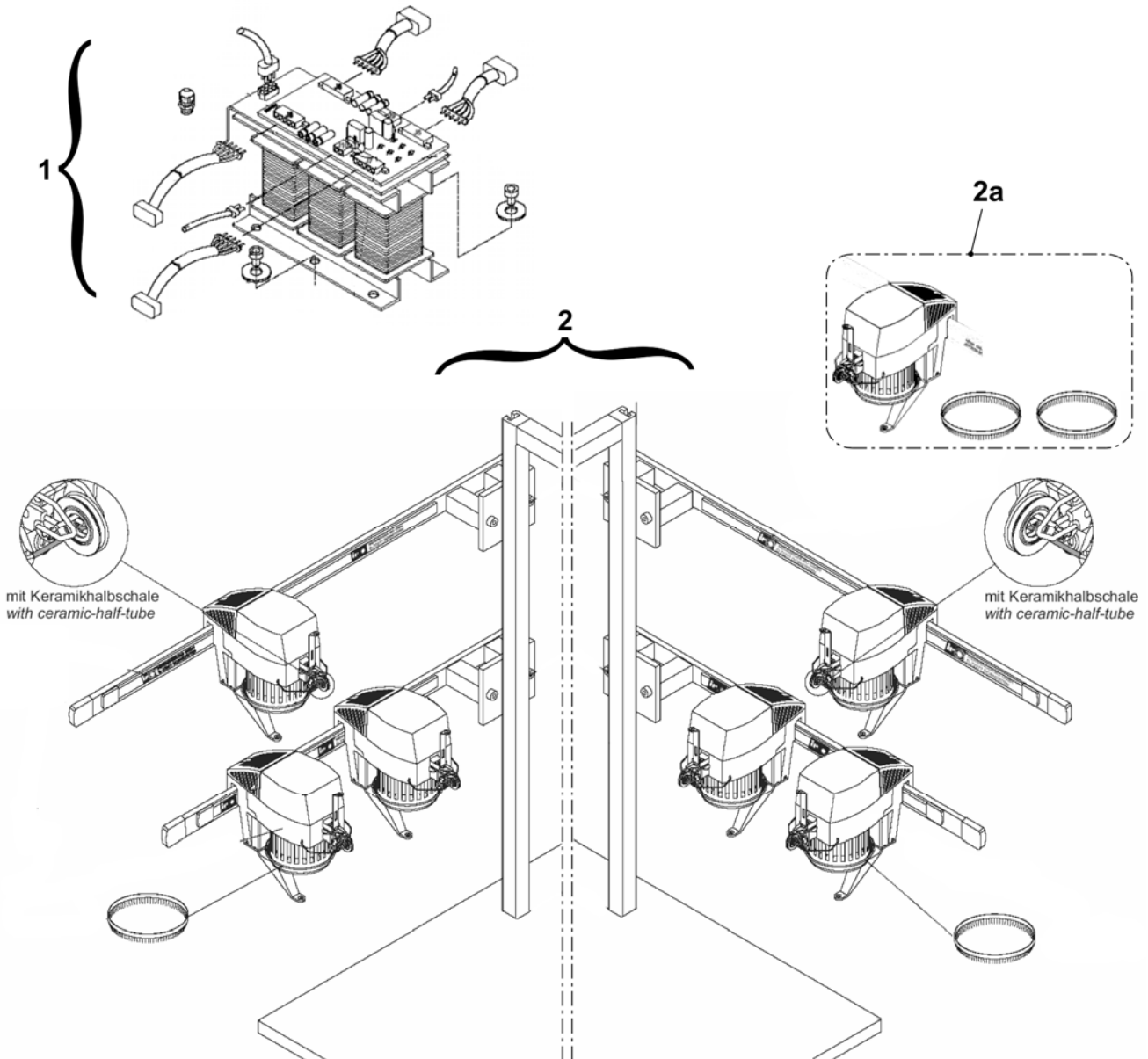
Right friction feed wheel

Pos	Designation	ID	Pos	Designation	ID
Σ	Friction feed wheel on the right co.	243 572	13	Bush	221 391
1	Housing	240 368	14	Ribbed V-belt pulley	221 268
2	Friction roller co.	231 704	15	Ribbed V-belt pulley V3J 406	206 927
3	Three-phase AC motor co.	219 800	16	Rod	221 319
3a	Microswitch	008 664	17	Supporting plate	251 096
4	Deflector co. 8-fold	250 089	18	Cover	230 758
4a	Support rail	250 055	19	Knurled screw	223 361
4b	Eyelet holder co.	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 co.	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 co.	230 690	506	Screw KB 40x14	241 358
9	Stop motion rail on the right co. 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



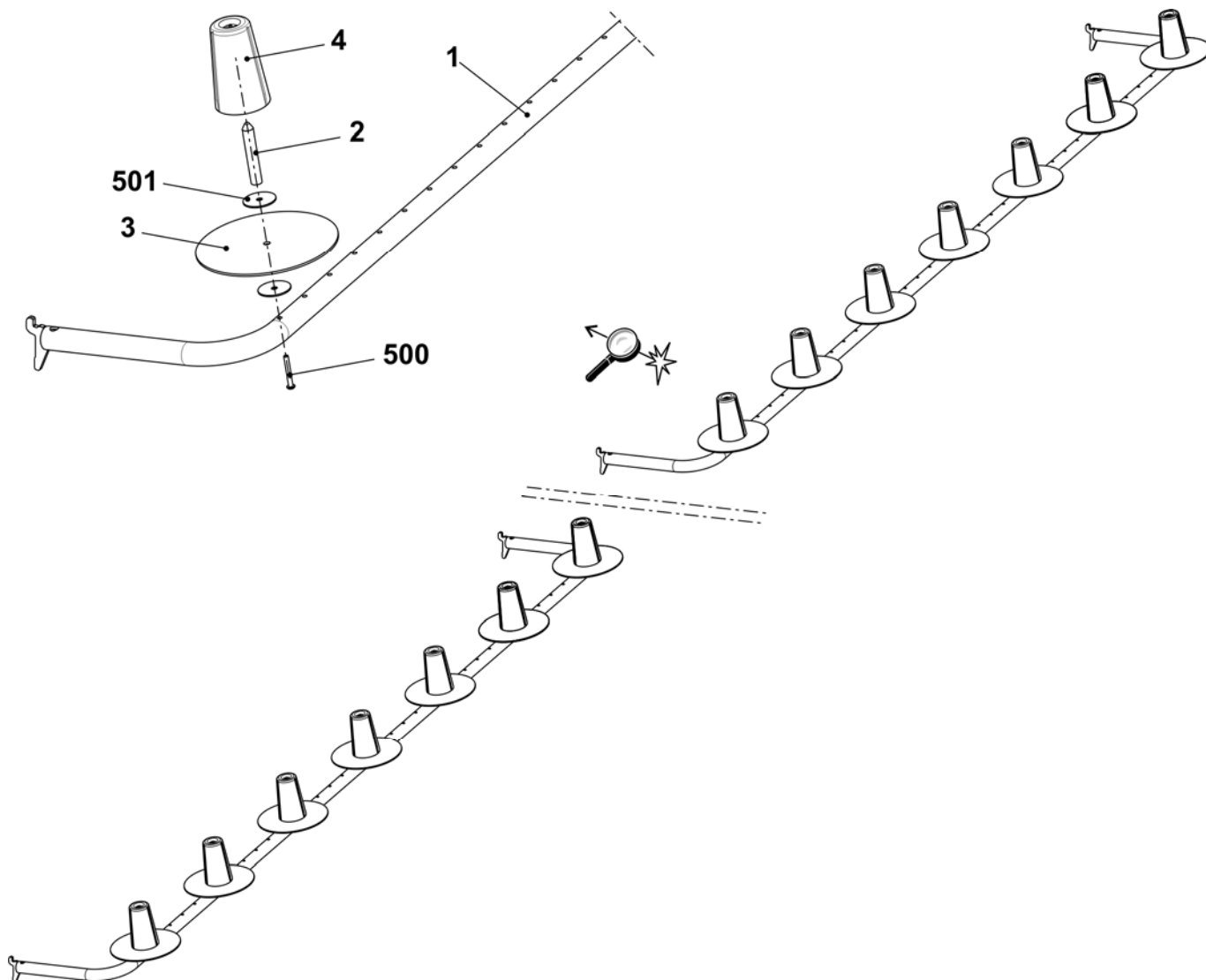
Feed wheel SFE

Pos	Designation	ID	Note
Σ	Mounted set storage feed wheel SFE	231 427	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	231 980	
2a	Feed wheel SFE	231 537	



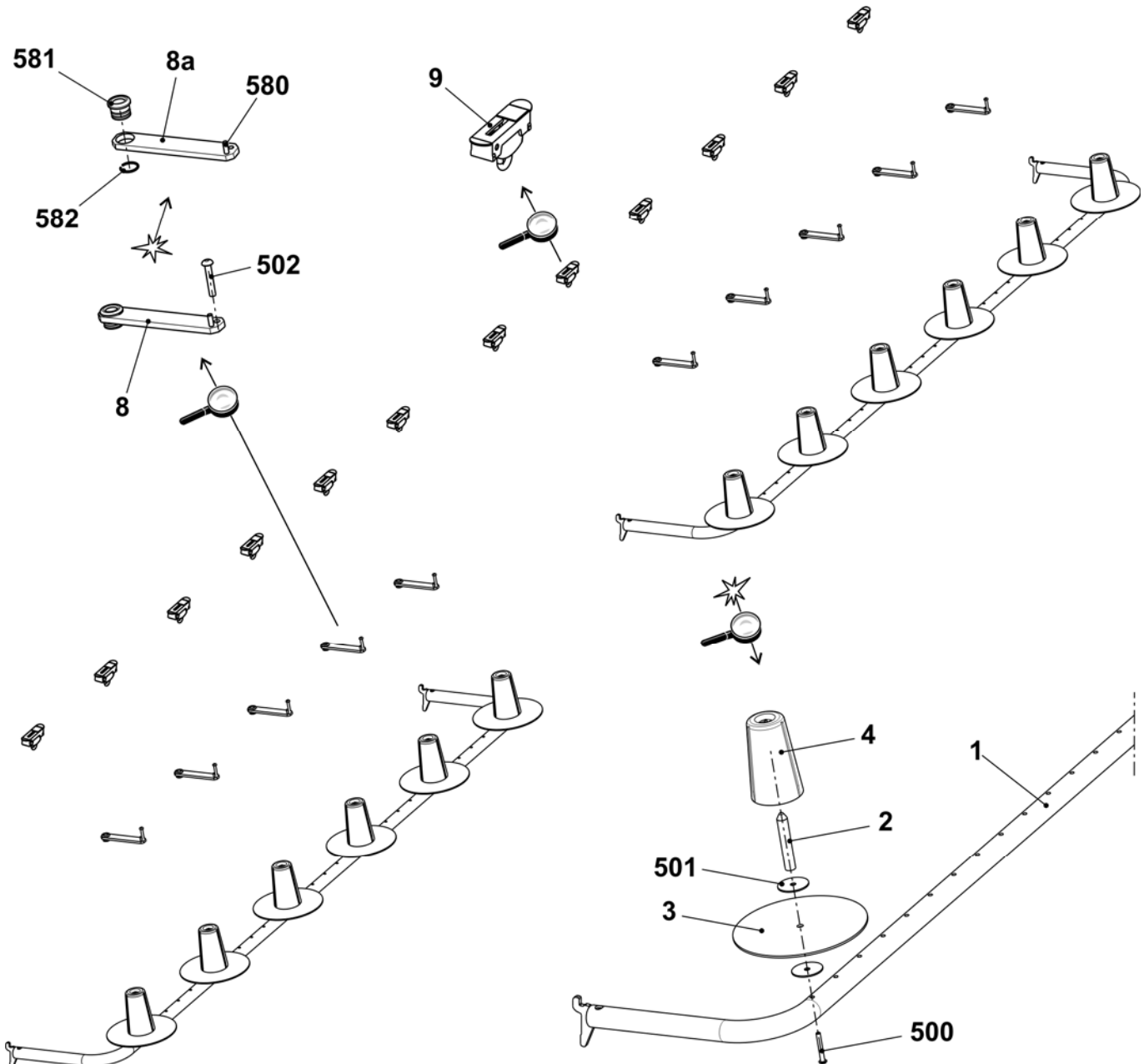
Additional board

Pos	Designation	ID	Pos	Designation	ID
Σ	Additional board	242 742			
1	Additional board welded	242 741	4	Bobbin support	200 363
2	Positioning pin	202 777	500	Pan-head screw M4x30	023 681
3	Disk ø130	062 385	501	Washer 5.3x30x1.25	023 556



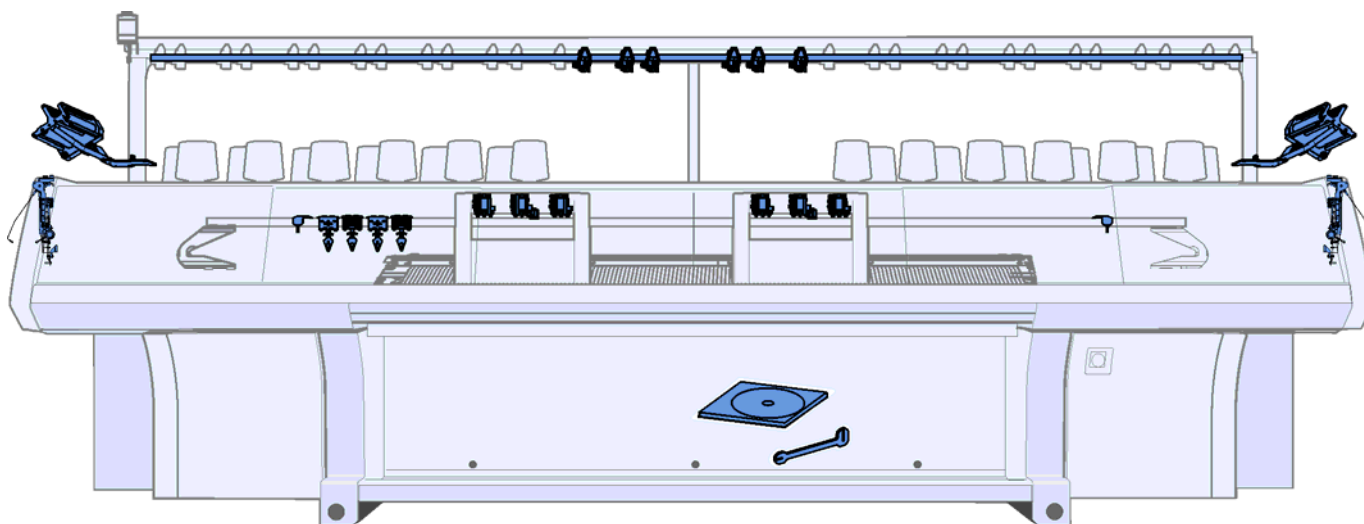
Additional board at the bottom

Pos	Designation	ID	Pos	Designation	ID
Σ	Additional board at the bottom 9XX	253 647	502	Pan-head screw M4x25	023 511
1	Additional board welded	253 503	8	Yarn guide	243 765
2	Positioning pin	202 777	8a	Guiding part	243 623
3	Disk ø130	062 385	580	Setting pin 3x12	020 647
4	Bobbin support	200 363	581	Eyelet 8	021 504
500	Pan-head screw M4x30	023 681	582	Snap ring A12	020 996
501	Washer 5.3x30x1.25	023 556	9	Yarn guide bracket co.	241 581



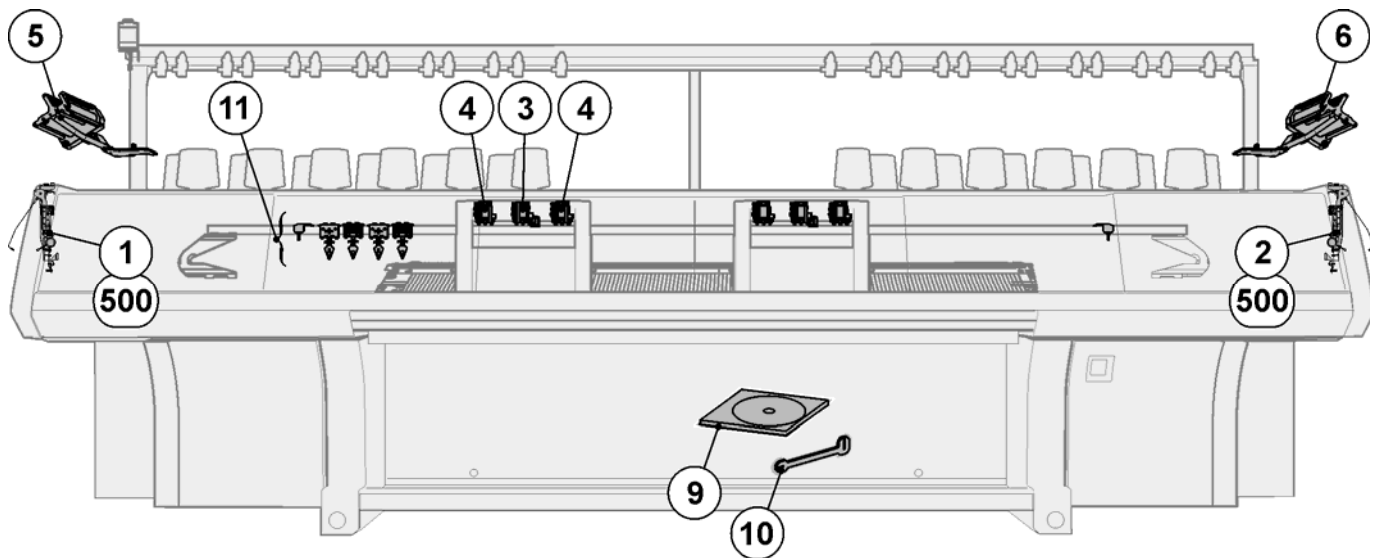
Conversion kit 32 OIFF

	<i>Designation</i>	<i>ID</i>
	Conversion kit 32 OIFF E5	254 908
	Conversion kit 32 OIFF E7-8	254 909
	Conversion kit 32 OIFF E7-14	254 910
	Conversion kit 32 OIFF E16-18	254 911



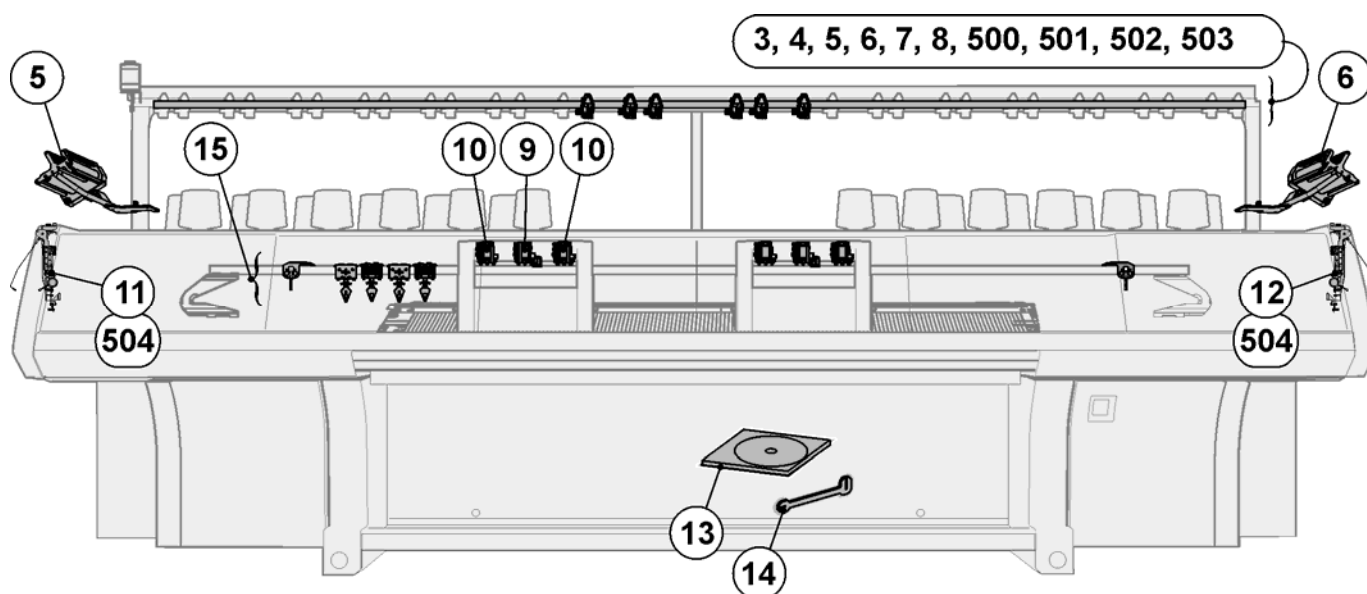
Overview of conversion kit E5

Pos	Designation	ID	Pos	Designation	ID
Σ	Conversion kit 32 OIFF E5	254 908			
1	Yarn tensioner on the left co. E5	244 498	6	Friction feed wheel on the right co. 16-fold 933	254 901
2	Yarn tensioner on the right co. E5	244 501	9	DVD instructions conversion kit IYC	245 169
3	YC driving in the middle co.	245 298	10	Adjusting part for yarn carrier bow	250 119
4	YC driving outside co.	245 297	11	Yarn guide co. E5 IYC	245 161
5	Friction feed wheel on the left co. 16-fold 933	254 900	500	Screw KB60X20	237 682



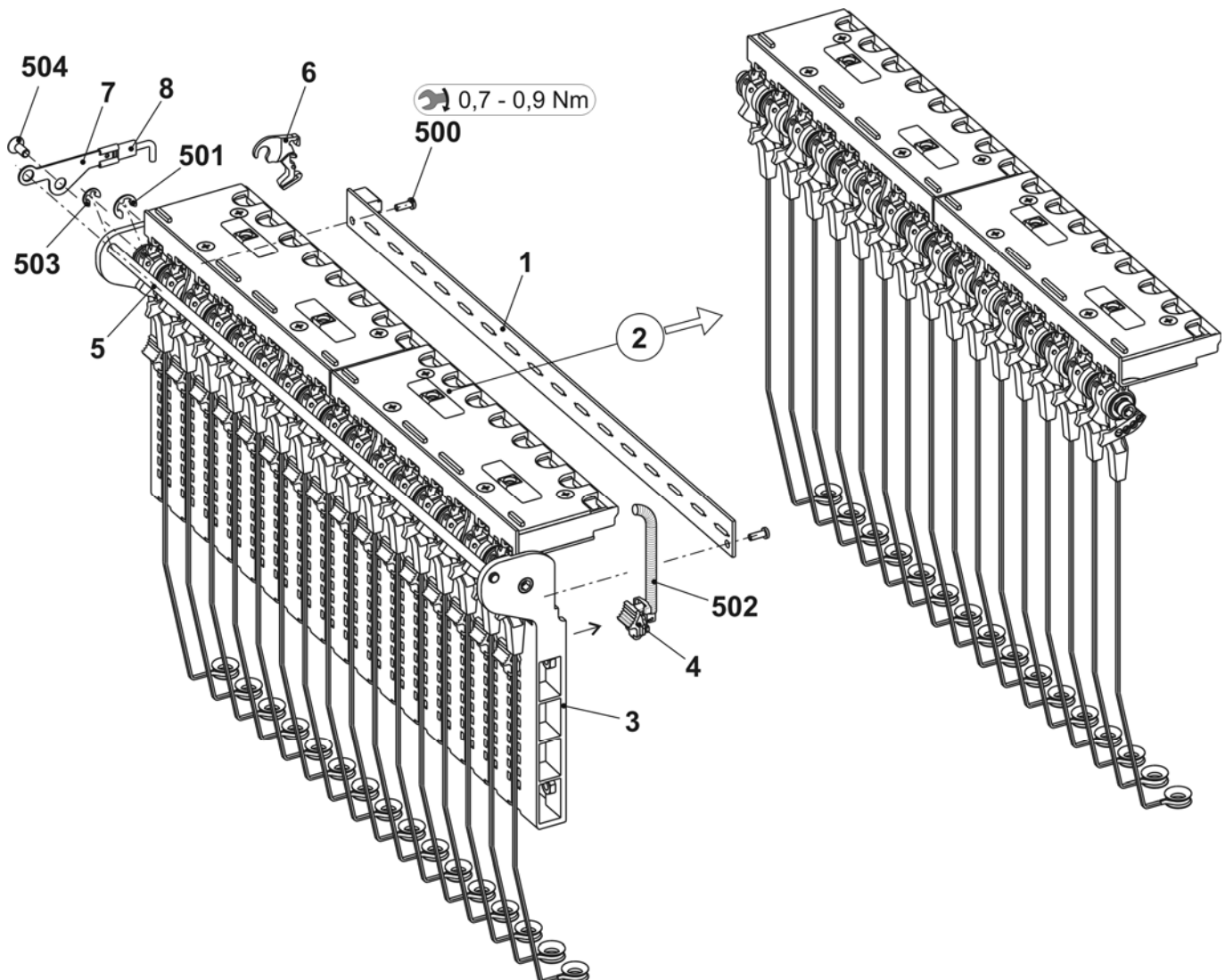
Overview of conversion kit E7-18

Pos	Designation	ID	Pos	Designation	ID
Σ	Conversion kit 32 OIFF		9	YC driving in the middle co.	245 298
	E7-8	254 909	10	YC driving outside co.	245 297
	E10-14	254 910	11	Friction feed wheel on the left co. 16-fold 933	254 900
	E16-18	254 911	12	Friction feed wheel on the right co. 16-fold 933	254 901
1	Yarn tensioner on the left co. E7-8	244 499	13	DVD instructions conversion kit IYC	245 169
	Yarn tensioner on the left co. E10-18	244 500	14	Adjusting part for yarn carrier bow	250 119
2	Yarn tensioner on the right co. E7-8	244 502	15	Yarn guide co. E7-8 IYC	245 162
	Yarn tensioner on the right co. E10-18	244 503		Yarn guide co. E10-14 IYC	245 163
3	Yarn guide bar 96"-933	242 431		Yarn guide co. E16-18 IYC	245 164
4	Support on the left	243 602	500	Self-locking screw M6x12	023 415
5	Support on the right	243 603	501	Ribbed safety nut M6-10	023 414
6	Support	239 295	502	Square nut M8	023 269
7	Yarn control device	237 124	503	Countersunk screw M8x16	023 113
8	Yarn guide bracket co.	241 581	504	Screw KB60X20	237 682



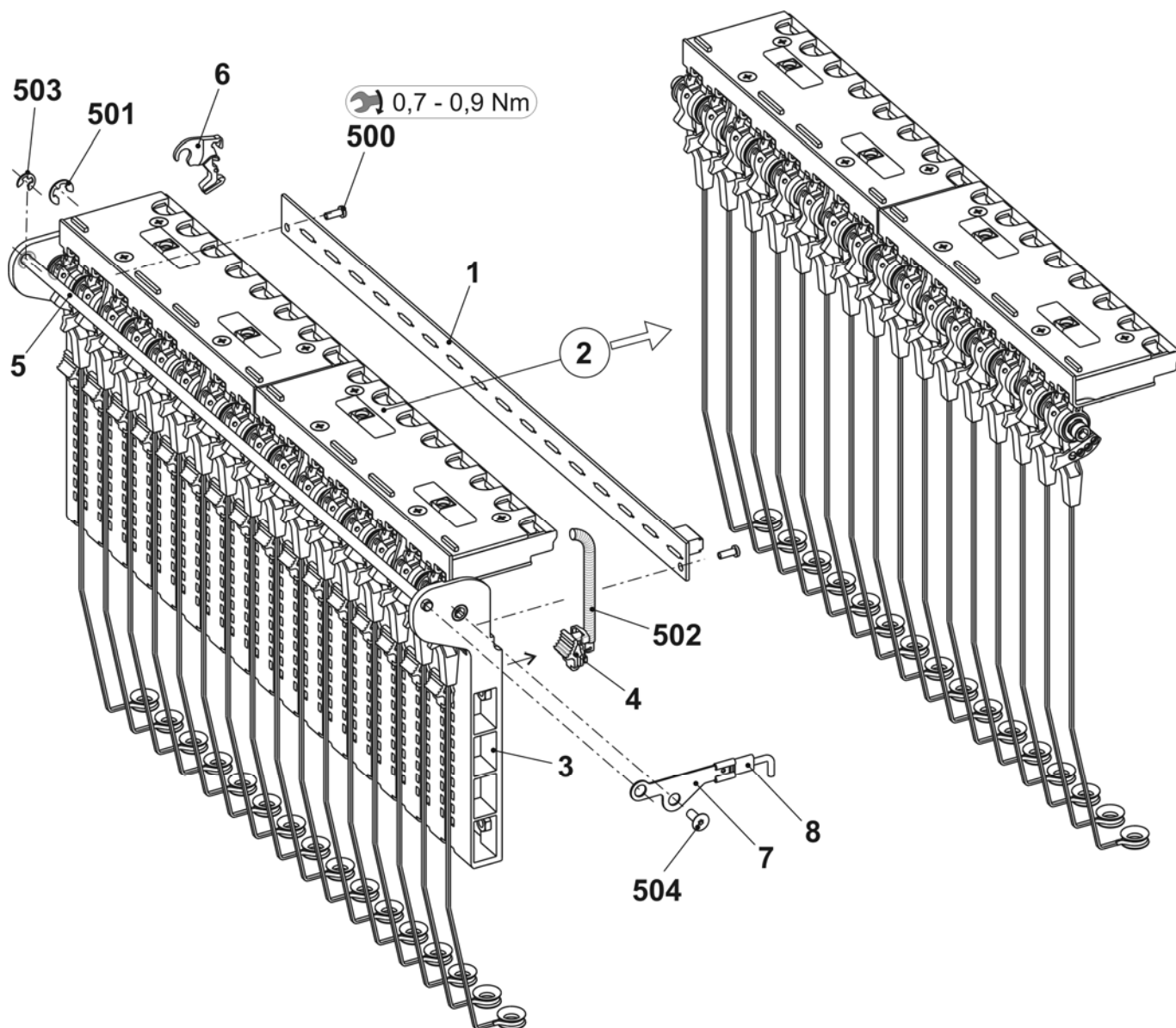
Yarn tensioner on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the left co.		6	Spacer	242 048
	E5 + E2,5.2 + E3,5.2 + E5.2	244 498	7	Grounding sheet metal of tension axle	243 121
	E7 + E8 + 6.2	244 499	8	Ground cable yarn tensioner OKC	243 105
	E10 + E12 + E14 + E16 + E18 + E7.2 + E8.2	244 500	500	Screw KB30x8	236 228
1	Card yarn tensioner 16-fold on the left	241 345	501	Circlip	021 022
2	Tension axle co.		502	Tension spring 5.05x0.55x53 (E3-5)	023 502
	E3-8	244 494		Tension spring 4.9x0.5x53 (E7-8)	023 503
	E10-18	244 495		Tension spring 4.9x0.45x53 (E10-18)	023 504
3	Housing	241 367	503	Circlip	021 020
4	Slider	241 694	504	Countersunk screw M4x10	241 914
5	Stop point	241 368			



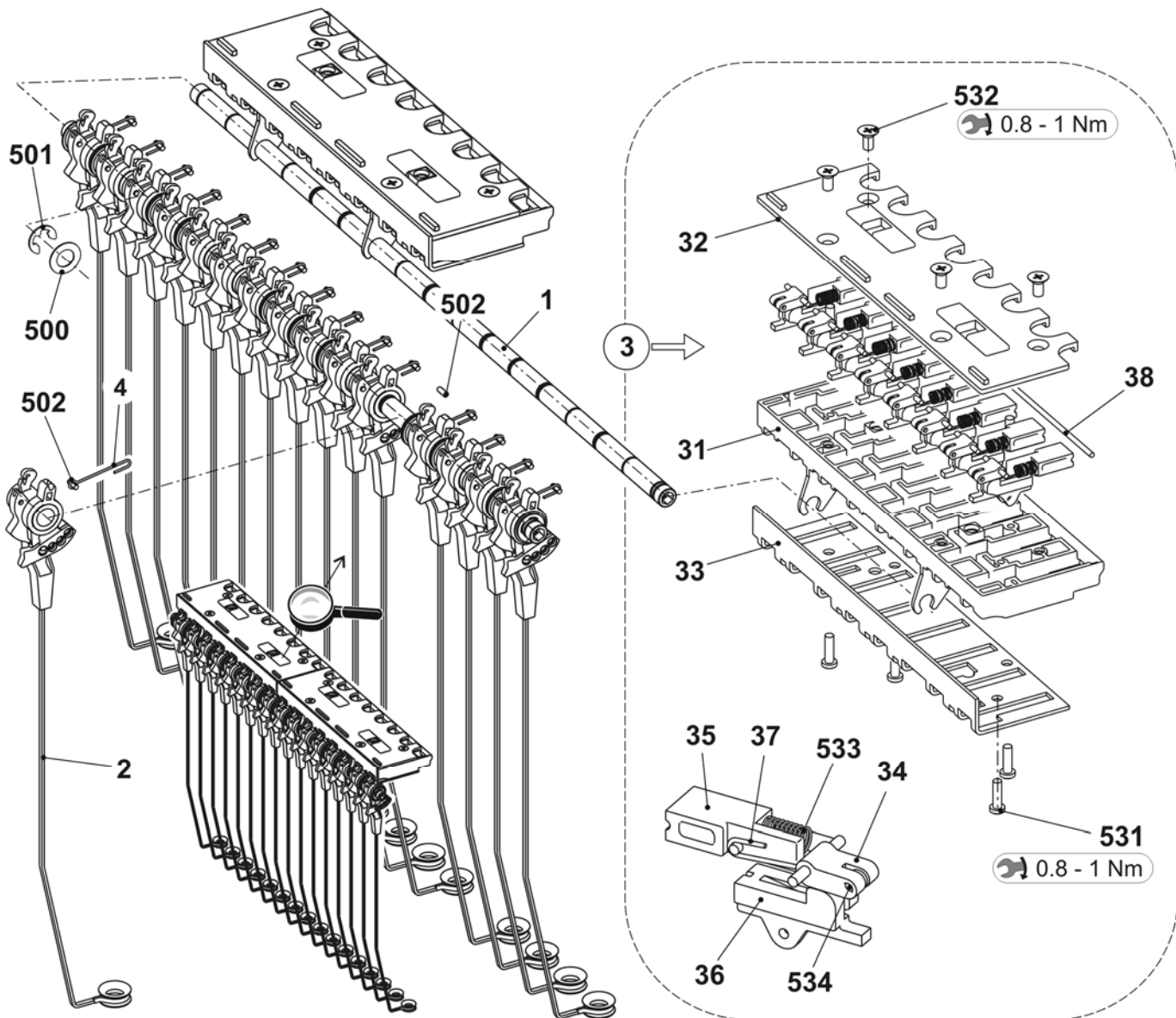
Yarn tensioner on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the right co.				
	E5 + E2,5.2 + E3,5.2 + E5.2	244 501	6	Spacer	242 048
	E7 + E8 + E6.2	244 502	7	Grounding sheet metal of tension axle	243 121
	E10 + E12 + E14 + E16 + E18 + E7.2 + E8.2	244 503	8	Ground cable yarn tensioner OKC	243 105
1	Card yarn tensioner 16-fold on the right	241 346	500	Screw KB30x8	236 228
2	Tension axle co.		501	Circlip	021 022
	E3-8	244 494	502	Tension spring 5.05x0.55x53 (E3-5)	023 502
	E10-18	244 495		Tension spring 4.9x0.5x53 (E7-8)	023 503
3	Housing	241 367		Tension spring 4.9x0.45x53 (E10-18)	023 504
4	Slider	241 694	503	Circlip	021 020
5	Stop point	241 368	504	Countersunk screw M4x10	241 914



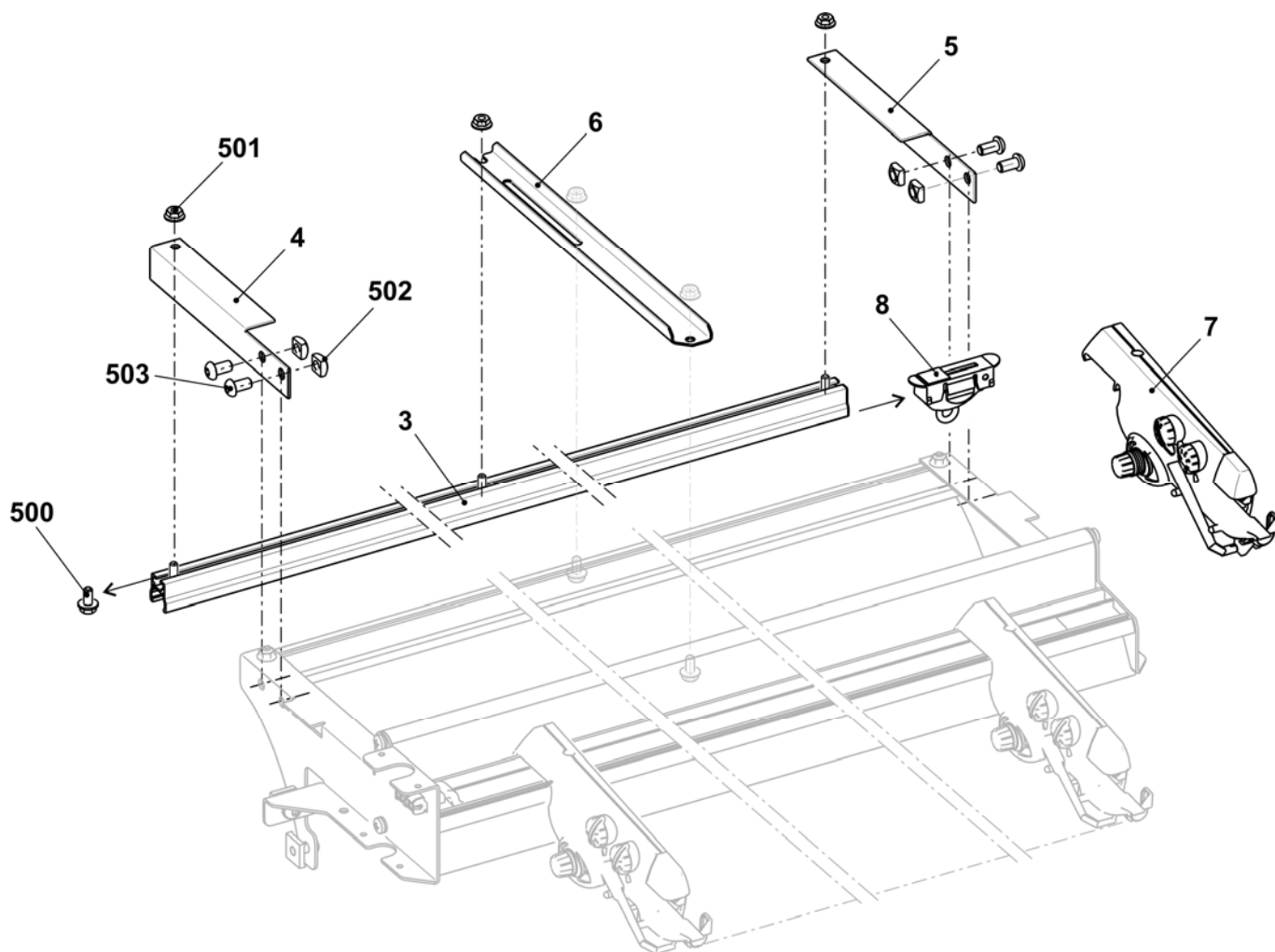
Tension axle

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle co.		3	Thread clamp AKF	238 695
	E5 + E7 + E8 (E2.5.2/3,5.2/5.2/6.2)	244 494	31	Housing AKF	238 689
	E10+ E12 + E14 + E16 + E18 (E7.2/8.2)	244 495	32	Cover AKF	237 926
1	Axle	244 522	33	Sheet metal at the bottom (housing AKF)	240 719
2	Tension arm pre-assembled		34	Lever AKF	238 692
	E3 – E8	242 770	35	Thrust piece AKF	238 690
	E10 – E18	242 771	36	Slider AKF	238 691
4	Wire bow	238 694	37	Wire bow	238 694
500	Shim ring 8x14x0.5	023 501	38	Wire	237 940
501	Circlip	021 022	531	Screw KB 35x12	237 681
502	Grooved pin 2x6	243 172	532	Screw KB 40x8	236 227
			533	Compression spring 0.30x4.50x18.50	241 437
			534	Grooved pin 2x6	243 172



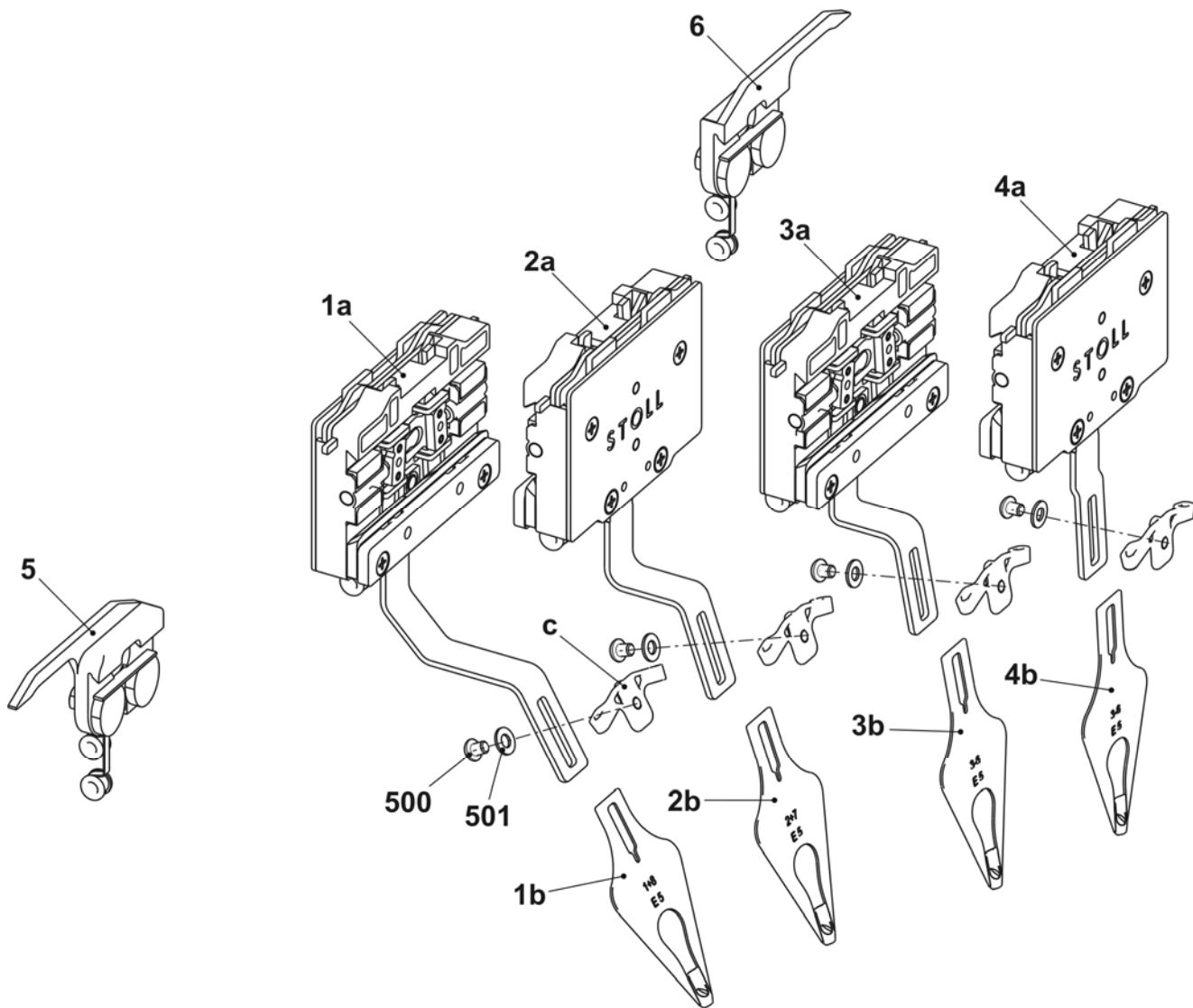
Parts for the yarn guide system

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide system				
3	Yarn guide bar 96"	243 431	7	Yarn guide bracket co.	241 581
4	Support on the left	243 602	500	Self-locking screw M6x12	023 415
5	Support on the right	243 603	501	Ribbed safety nut M6-10	023 414
6	Support	239 295	502	Square nut M8	023 269
7	Yarn control device	237 124	503	Countersunk screw M8x16	023 113



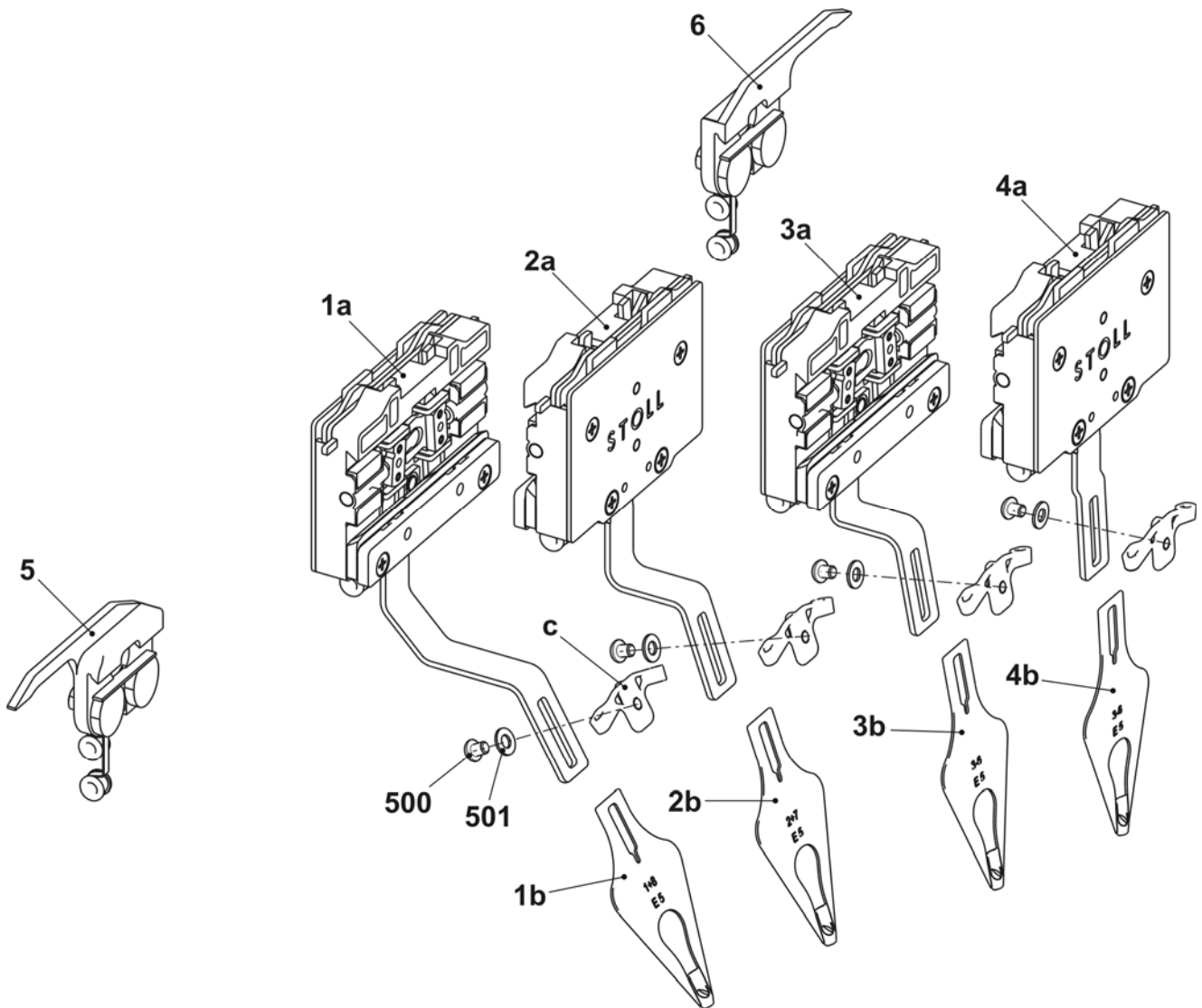
Yarn guide co. E5 IYC

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide co. E5 IYC E2,5.2 + E3,5.2 + E5.2	245 161			
1	IYC carriage co. 1+8 E5	250 319	4	IYC carriage co. 4+5 E5	250 322
	1a IYC carriage 1+8	250 315		4a IYC carriage 4+5	250 318
	1b Yarn carrier head 1+8 co. E5	244 076		4b Yarn carrier head 3-6 co. E5	244 078
2	IYC carriage co. 2+7 E5	250 320	5	Limiter on the left with 2 eyelets	244 446
	2a IYC carriage 2+7	250 316	6	Limiter on the right with two eyelets	244 445
	2b Yarn carrier head 2+7 co. E5	244 077	C	Yarn guide angle	242 863
3	IYC carriage co. 3+6 E5	250 321	500	Countersunk screw M4x5	239 549
	3a IYC carriage 3+6	250 317	501	U-washer 4	020 870
	3b Yarn carrier head 3-6 co. E5	244 078			



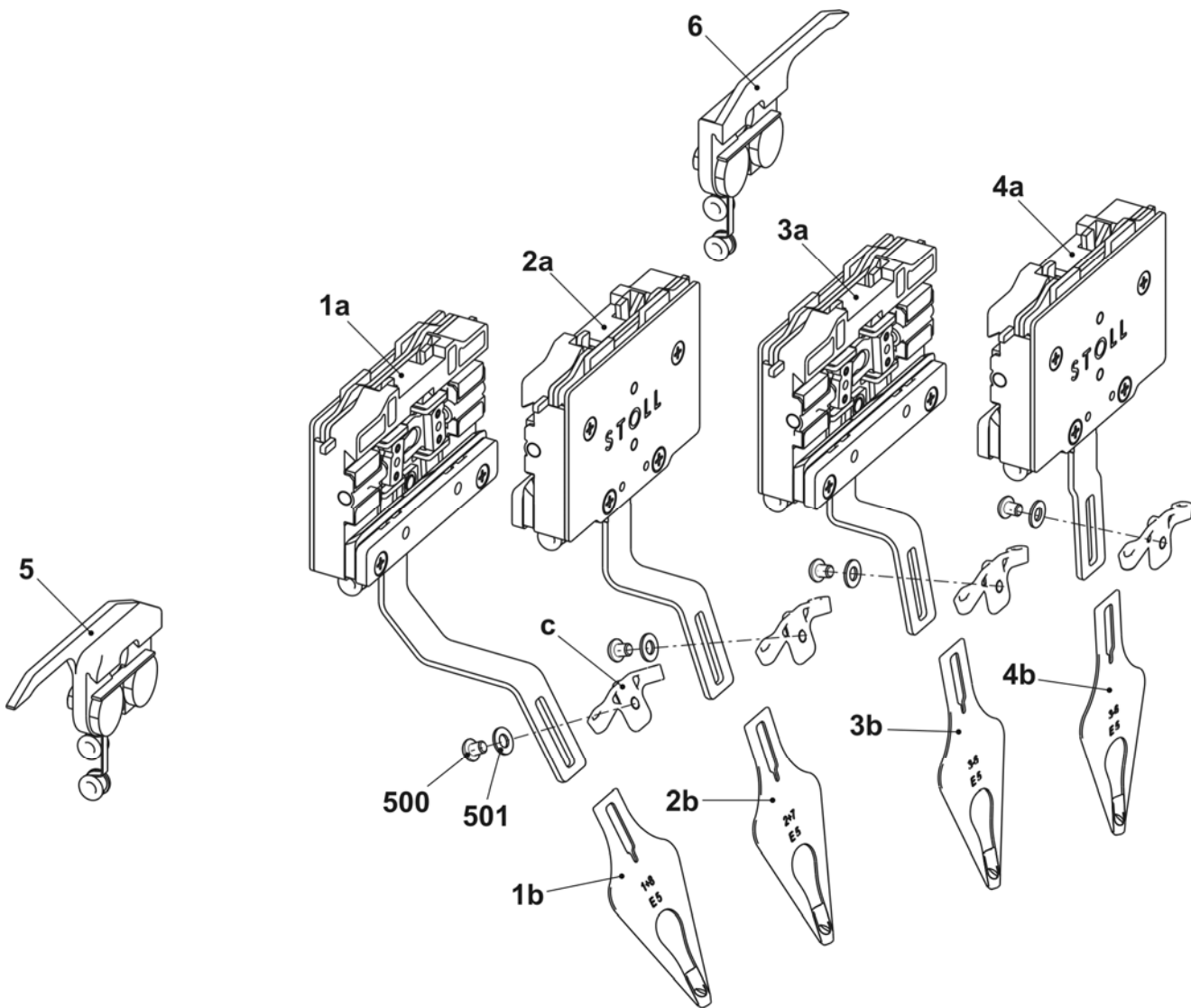
Yarn guide co. E7-8 IYC

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide co. E7-8 IYC (E6.2)	245 162			
1	IYC carriage co. 1+8 E7-8	250 323	4	IYC carriage co. 4+5 E7-8	250 326
	1a IYC carriage 1+8	250 315		4a IYC carriage 4+5	250 318
	1b Yarn carrier head 1+8 co. E7-8	244 082		4b Yarn carrier head 3-6 co. E7-8	244 084
2	IYC carriage co. 2+7 E7-8	250 324	5	Limiter on the left with 2 eyelets	244 446
	2a IYC carriage 2+7	250 316	6	Limiter on the right with two eyelets	244 445
	2b Yarn carrier head 2+7 co. E7-8	244 083	C	Yarn guide angle	242 863
3	IYC carriage co. 3+6 E7-8	250 325	500	Countersunk screw M4x5	239 549
	3a IYC carriage 3+6	250 317	501	U-washer 4	020 870
	3b Yarn carrier head 3-6 co. E7-8	244 084			



Yarn guide co. E10-14 IYC

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide co. E10-14 IYC E7.2 + E8.2 + E9.2	245 163			
1	IYC carriage co. 1+8 E10-14	250 327	4	IYC carriage co. 4+5 E10-14	250 330
	1a IYC carriage 1+8	250 315		4a IYC carriage E10-14	250 318
	1b Yarn carrier head 1+8 co. E10-14	250 008		4b Yarn carrier head 3-6 co. E10-14	250 010
2	IYC carriage co. 2+7 E10-14	250 328	5	Limiter on the left with 2 eyelets	244 446
	2a IYC carriage 2+7	250 316	6	Limiter on the right with two eyelets	244 445
	2b Yarn carrier head 2+7 co. E10-14	250 009	C	Yarn guide angle	242 863
3	IYC carriage co. 3+6 E10-14	250 329	500	Countersunk screw M4x5	239 549
	3a IYC carriage 3+6	250 317	501	U-washer 4	020 870
	3b Yarn carrier head 3-6 co. E10-14	250 010			



Yarn guide co. E16-18 IYC

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide co. E16-18 IYC	245 164			
1	IYC carriage co. 1+8 E16-18	250 331	4	IYC carriage co. 4+5 E16-18	250 334
	1a IYC carriage 1+8	250 315		4a IYC carriage 4+5	250 318
	1b Yarn carrier head 1+8 co. E16-18	250 011		4b Yarn carrier head 3-6 co. E16-18	250 013
2	IYC carriage co. 2+7 E16-18	250 332	5	Limiter on the left with 2 eyelets	244 446
	2a IYC carriage 2+7	250 316	6	Limiter on the right with two eyelets	244 445
	2b Yarn carrier head 2+7 co. E16-18	250 012	c	Yarn guide angle	242 863
3	IYC carriage co. 3+6 E16-18	250 333	500	Countersunk screw M4x5	239 549
	3a IYC carriage 3+6	250 317	501	U-washer 4	020 870
	3b Yarn carrier head 3-6 co. E16-18	250 013			

