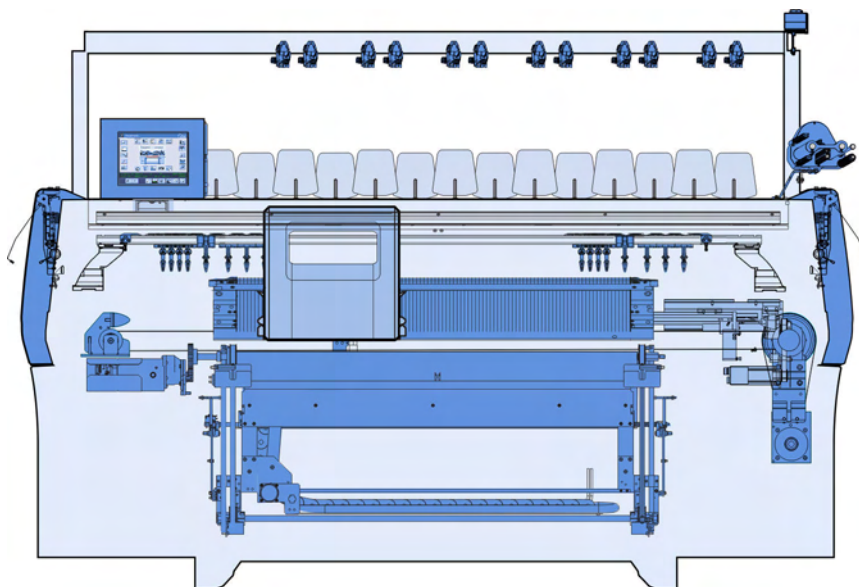


Spare-parts catalog

CMS 502 (Type 637)

Component type 002

E10 | E12 | E14 | E16 | E18 | E6.2(12m.10) | E7.2(14/12)
| E6.2 | E7.2 | E8.2



1 Introduction

Imprint

All rights reserved.

The utilisation of texts and pictures, also in extracts, without our agreement is unfavourable to the copyright.

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

The indications of this catalog are without liability.

©

H. Stoll GmbH & Co.KG

Stollweg 1

D-72760 Reutlingen, Germany

Phone: +49 (07121) 313-289

Fax: +49 (07121) 313-347

e-mail: spareparts@stoll.com

Notes for the order

This catalog serves to order spare parts.

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

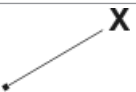
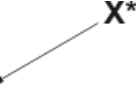
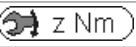
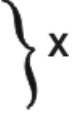
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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

Only genuine STOLL spare parts may be used for repairs.

1.1 Search help

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

Symbol	Meaning
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-hand side or view.
	Indicates a sectional drawing or a view in the viewing direction.

1.2 Torques

Preferential row of screw torques

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

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

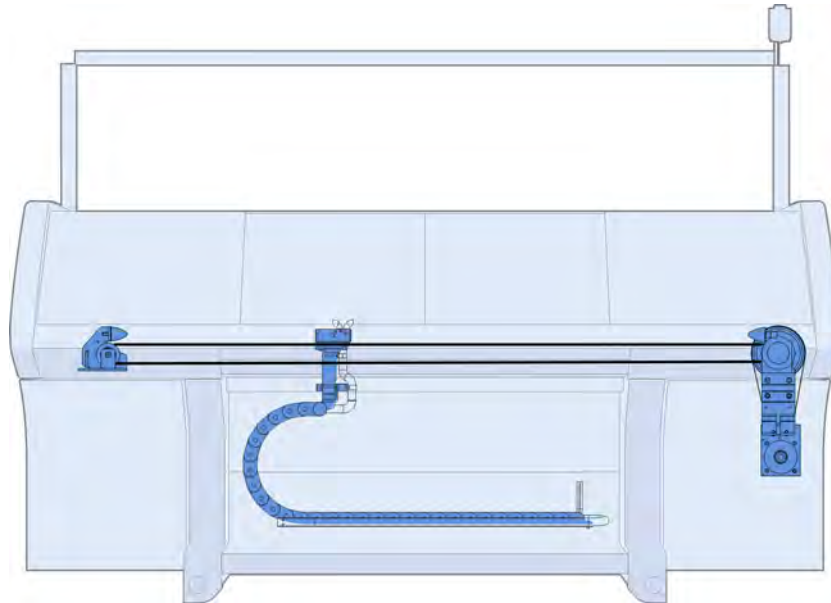
Table of Contents

1	Introduction	2
1.1	Search help	3
1.2	Torques	4
2	Carriage drive	9
2.1	Drive	10
2.1.1	Motor and belt drive	11
2.1.2	Tension bearing	12
2.2	Energy chain and plunger	13
3	Racking	14
3.1	Racking drive	15
4	Needle beds	16
4.1	Needle bed E10	17
4.1.1	Continuation needle bed E10	18
4.2	Needle bed E12	19
4.2.1	Continuation needle bed E12	20
4.3	Needle bed E14	21
4.3.1	Continuation needle bed E14	22
4.4	Needle bed E16	23
4.4.1	Continuation needle bed E16	24
4.5	Needle bed E18	25
4.5.1	Continuation needle bed E18	26
4.6	Needle bed E6.2	27
4.6.1	Continuation needle bed E6.2	28
4.7	Needle bed E7.2	29
4.7.1	Continuation needle bed E7.2	30
4.8	Needle bed E8.2	31
4.8.1	Continuation needle bed E8.2	32
4.9	Needle bed E6.2 (12m.10)	33
4.9.1	Continuation needle bed E6.2(12m.10)	34
4.10	Needle bed E7.2(14/12)	35
4.10.1	Continuation needle bed E7.2(14/12)	36
4.11	Needle beds, connection screws	37
4.12	Right clamping and cutting bed E10 E12 E14 E6.2 E7.2 E6.2(E12m.10) E14/12	38
4.13	Right clamping and cutting bed E16 E18 E8.2	39
4.14	Yarn brake at clamping and cutting bed	40
5	Carriage	41
5.1	Overview of carriage	42
5.2	Overview of carriage, continuation	43
5.3	Cam box E10	44
5.3.1	Cams E10	45
5.4	Cam box E12	46
5.4.1	Cams E12	47
5.5	Cam box E14 E14/12	48
5.5.1	Cams E14 E14/12	49
5.6	Cam box E16 E18	50
5.6.1	Cams E16 E18	51
5.7	Cam box E12m.10	52
5.7.1	Cams E12m.10	53
5.8	Cam box E6.2	54
5.8.1	Cams E6.2	55
5.9	Cam box E7.2	56
5.9.1	Cams E7.2	57
5.10	Cam box E8.2	58
5.10.1	Cams E8.2	59
5.11	Carriage assembly	60

5.12	Carriage guide	61
5.13	Carriage cover	62
5.14	Yarn carrier driving without guide part	63
5.15	Brush holder	64
5.16	Needle detector	65
5.17	Holding-down jack control and slider	66
6	Main take-down	67
6.1	Main take-down E10 E12 E14 E6.2(12m.10) E7.2(14/12) E6.2 E7.2	68
6.2	Main take-down E16 E18 E8.2	69
6.3	Main take-down on the left	70
6.4	Main take-down on the right	71
6.5	Mounting plate on the left and right	72
6.6	Swivel-mounted bearing	73
6.7	Full floating axle on the left and the right	74
6.8	Main take-down in the middle E10 E12 E14 E6.2(12m.10) E7.2(14/12) E6.2 E7.2	75
6.8.1	Rear take-down roller E10 E12 E14 E6.2(12m.10) E7.2(14/12) E6.2 E7.2	76
6.9	Main take-down in the middle E16 E18 E8.2	77
6.9.1	Rear take-down roller 16 E18 E8.2	78
6.10	Stripper angle	79
6.11	Impulse sensor and motor	80
6.12	Front take-down roller	81
6.13	Angle rail	82
7	Comb Take-down	83
7.1	Comb Take-down	84
7.2	Comb take-down on the left	85
7.3	Comb take-down on the right	86
7.3.1	Drive shaft of comb	87
7.3.2	Swivel lever comb take-down	88
7.4	Comb take-down in the middle	89
7.4.1	Comb unit	90
7.4.2	Switching lever comb take-down	91
8	Yarn delivery device	92
8.1	Yarn guide device	93
8.2	Left yarn guide 10 E12 E14 E16 E18 E7.2(14/12) E6.2(12m.10) E7.2 E8.2	94
8.3	Left yarn guide E6.2	95
8.4	Yarn tensioner on the left	96
8.4.1	Left tension axle	97
8.5	Yarn deflector on the left	98
8.6	Right yarn guide E10 E12 E14 E16 E18 E7.2(14/12) E6.2(12m.10) E7.2 E8.2	99
8.6.1	Yarn tensioner on the right E10 E12 E14 E16 E18 E14/12 E6.2(12m.10) E7.2 E8.2	100
8.7	Right yarn guide E6.2	102
8.7.1	Right yarn tensioners E6.2	103
8.8	Yarn deflector on the right complete	105
8.9	Bobbin board	106
8.10	Yarn guide complete E10 E12 E14 E16 E18 E6.2(12m.10) E7.2 14/12 E7.2 E8.2	107
8.11	Yarn guide complete E6.2	108
8.12	Bar unit	109
8.13	Right friction feed wheel	110
9	Operation and control	111
9.1	Input unit	112
9.2	Starting device	113
9.2.1	Bearing of the engaging rod	114
9.3	Control of Collecting Area	115
9.4	Shock stop motion	116
9.5	Signal light	117
9.6	Measuring device	118
10	Protective device	119
10.1	Lateral safety doors	120

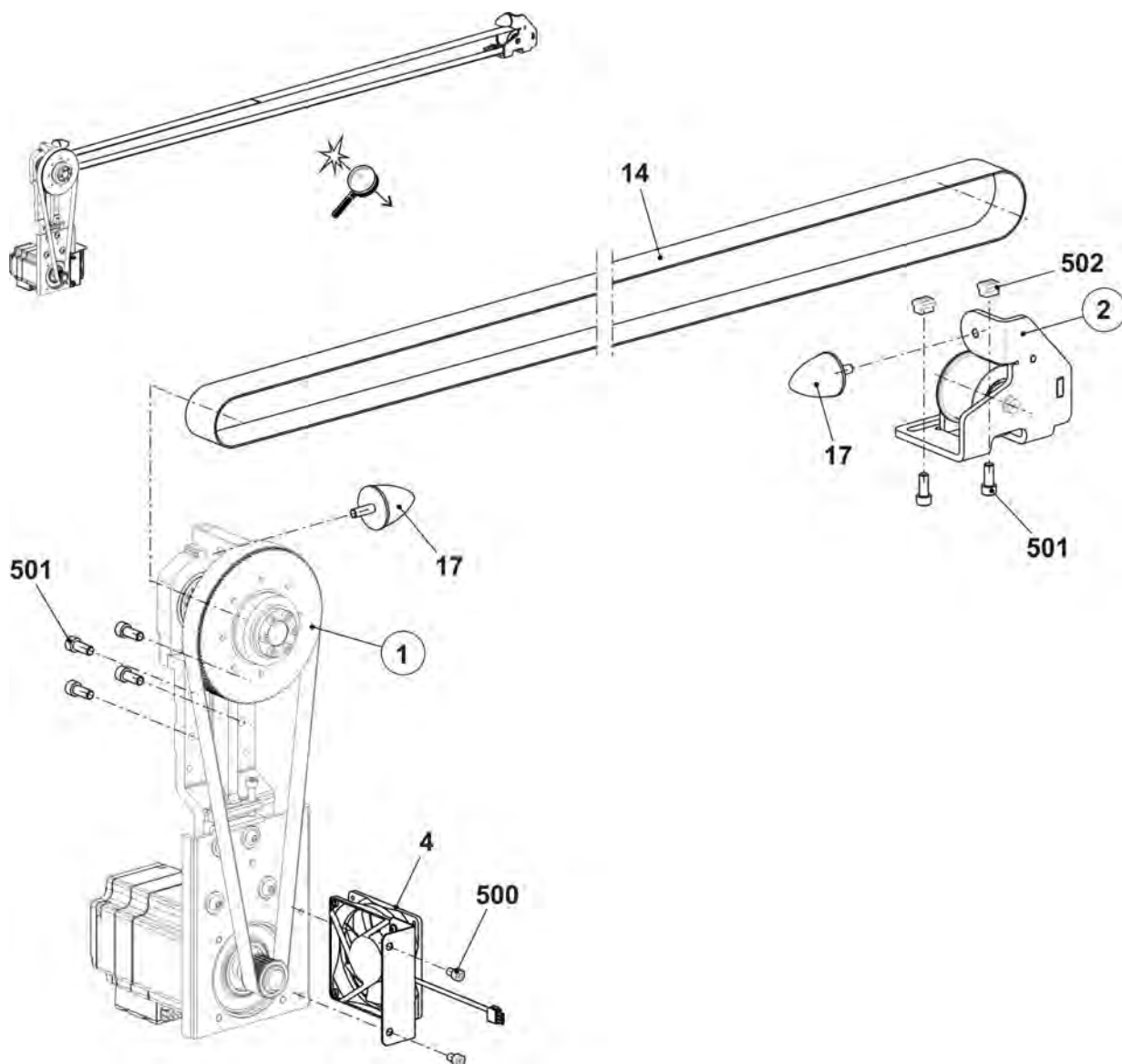
10.2	Panelling	121
10.3	Rear panel	122
11	Electrical equipment	123
11.1	Circuit diagram (222) as PDF	124
11.2	Fuses	125
11.3	Trailing cable	125
11.4	Cable set installation	126
11.4.1	Cable set base 1	126
11.4.2	Loom of cables base 2	127
11.4.3	Loom of cables 5XX	128
11.4.4	Loom of cables comb	129
12	Control electronics	130
12.1	Control cabinet	131
13	Deliverable accessories	132
13.1	Accessories part 1	133
13.2	Accessories part 2	134
14	Special attachment	135
14.1	Plating yarn carrier 3+6	136
14.2	Plating yarn carrier 4+5	137
14.3	Carriage of plating yarn carrier (adjustable)	138
14.4	Bobbin holder on the right	139
14.5	Yarn length measuring device on the left complete	140
14.5.1	Yarn length measuring device	141
14.6	Yarn length measuring device on the right complete	142
14.6.1	Yarn length measuring device on the right	143
14.7	Friction feed wheel on the left	144
14.7.1	Left friction feed wheel	145
14.7.2	Stopping device on the left	146
14.8	Additional take-down, Retrofit kit	147
14.8.1	Auxiliary take-down pre-assembled	148
14.8.2	Auxiliary take-down in the middle	152
14.9	Sanding Paper Brake	154

2 Carriage drive



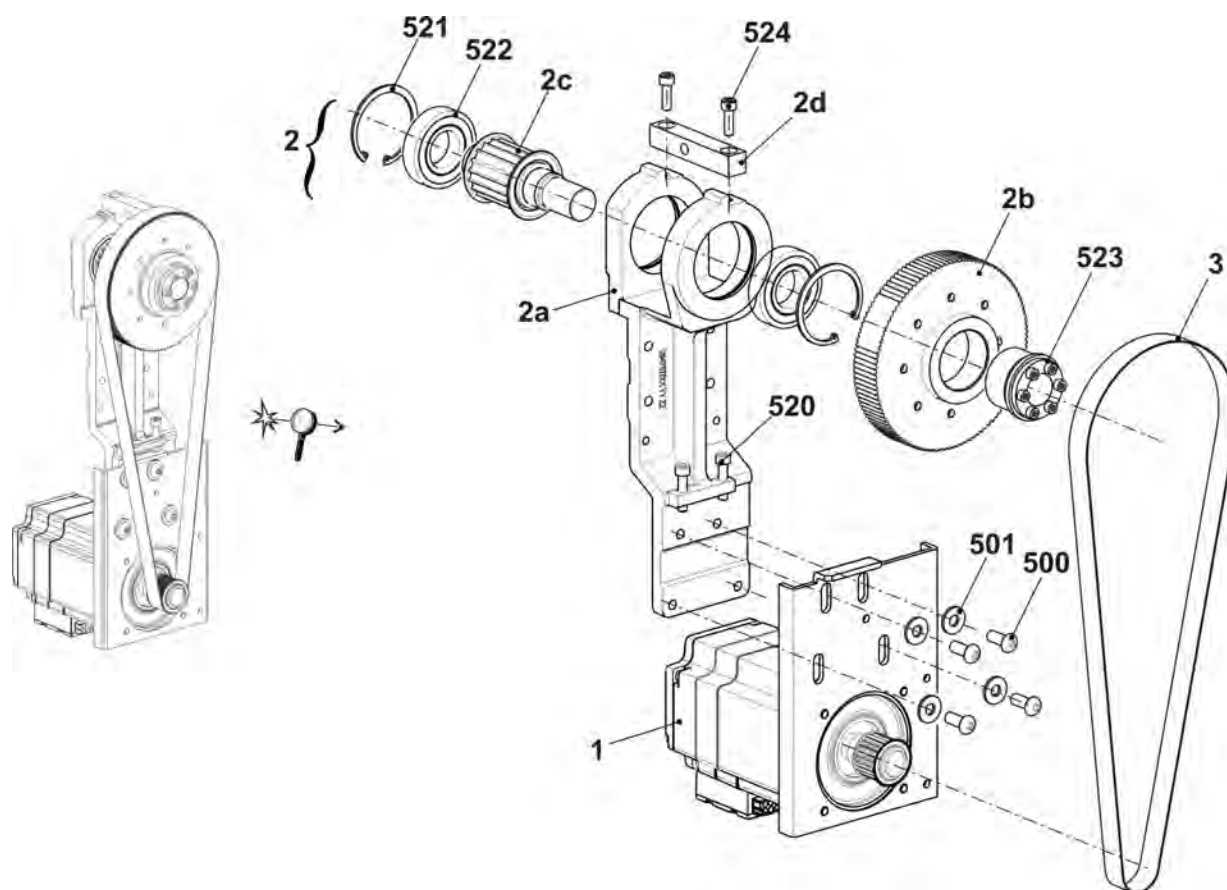
2.1 Drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit				
1	Drive unit complete	251 608	17	Parabolic spring	200 661
2	Tension bearing complete	251 581	500	Cap screw M8x12	023 138
4	Fan complete	253 692	501	Cap screw M10x25	020 157
14	Toothed belt50AT10/4170 HP	251 607	502	NutM10x12	023 471



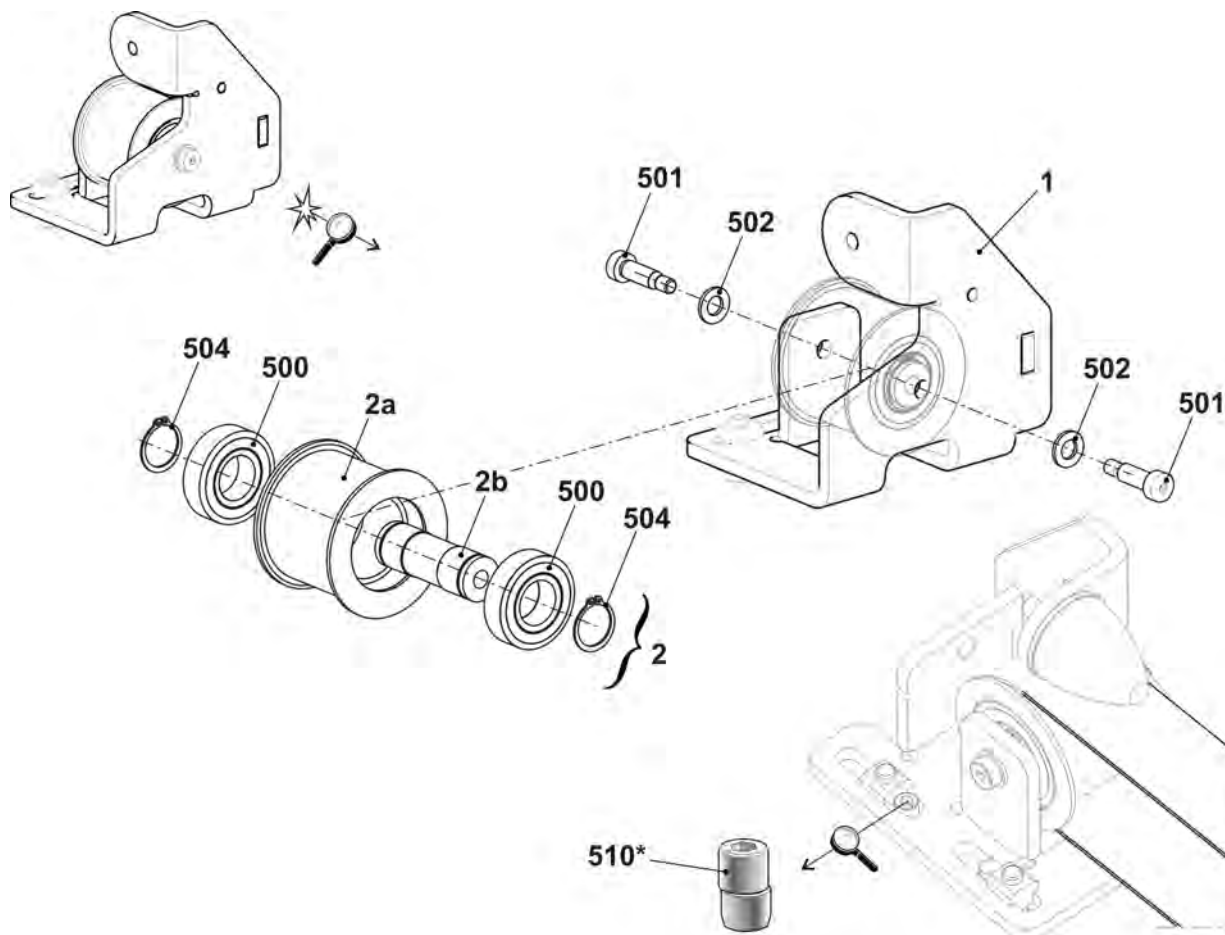
2.1.1 Motor and belt drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	251 608			
1	Drive unit	258 189	521	Retaining ring68x2.5	022 914
2	Drive bearing complete	264 764	522	Grooved ball bearing 6207-2RS	022 915
2a	Drive bearing	264 758	523	Tension set 30X55	023 208
2b	Toothed belt pulley	240 616	524	Cap screw M8X25 12.9	020 142
2c	Pinion57 AT10 18	242 039	3	Toothed belt	252 594
2d	Support of buffer	222 100	500	Pan-head screw M10X25	023 684
520	Cap screw M8X35	020 144	501	Disk10,5X25X2,5	022 178



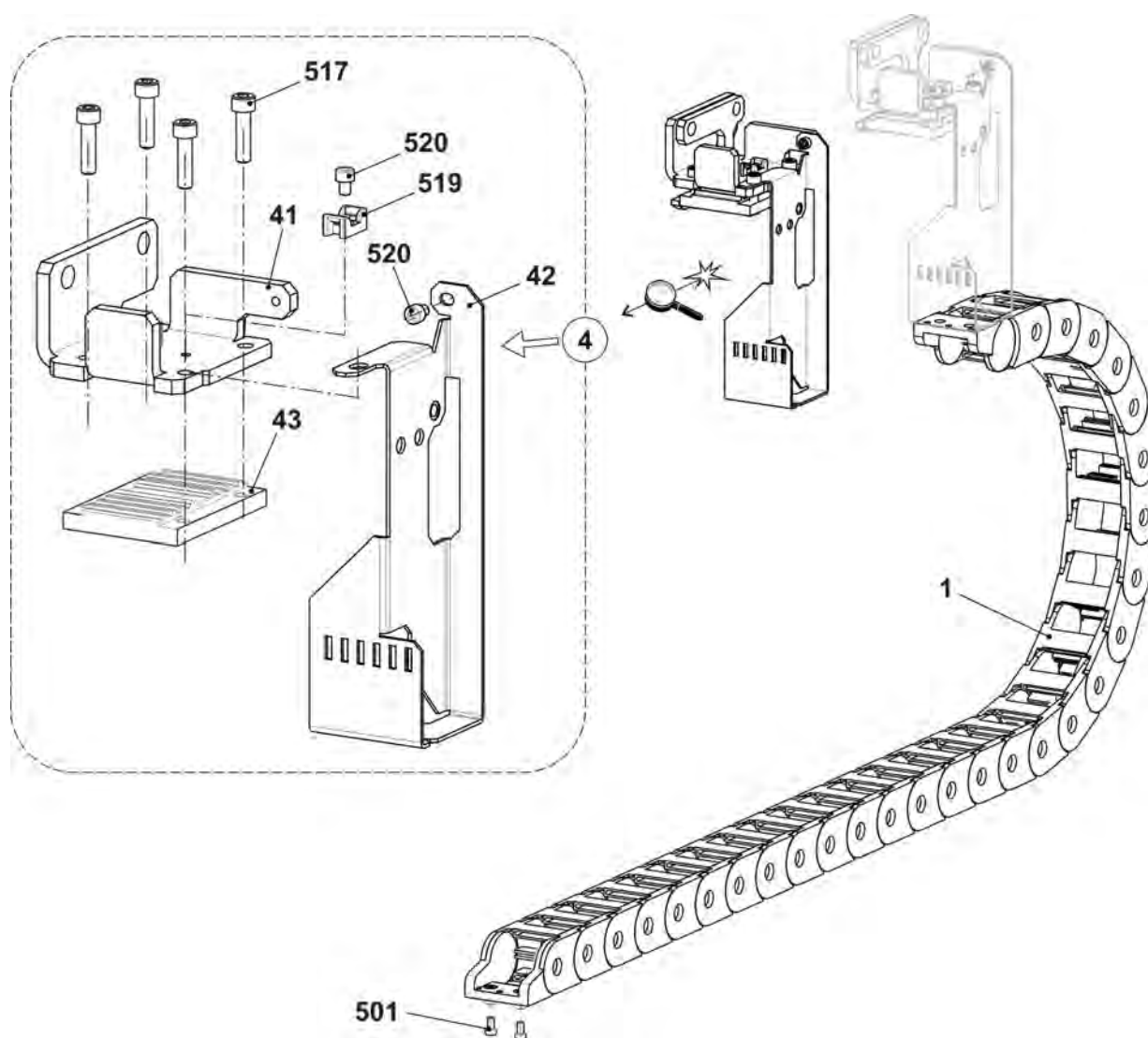
2.1.2 Tension bearing

Pos	Designation	Id	Pos	Designation	Id
Σ	Tension bearing complete	251 581	2	500 Grooved ball bearing 625-6305-2RS	255 686
1	Tension bearing	251 560		504 Retaining ring 471-25x1,2	251 617
2	Tension roller complete	256 640	501	Cap screw M10x25	023 751
2a	Tension roller	255 684	502	Washer	020 874
2b	Axle	251 579	510*	Eccentric	255 499

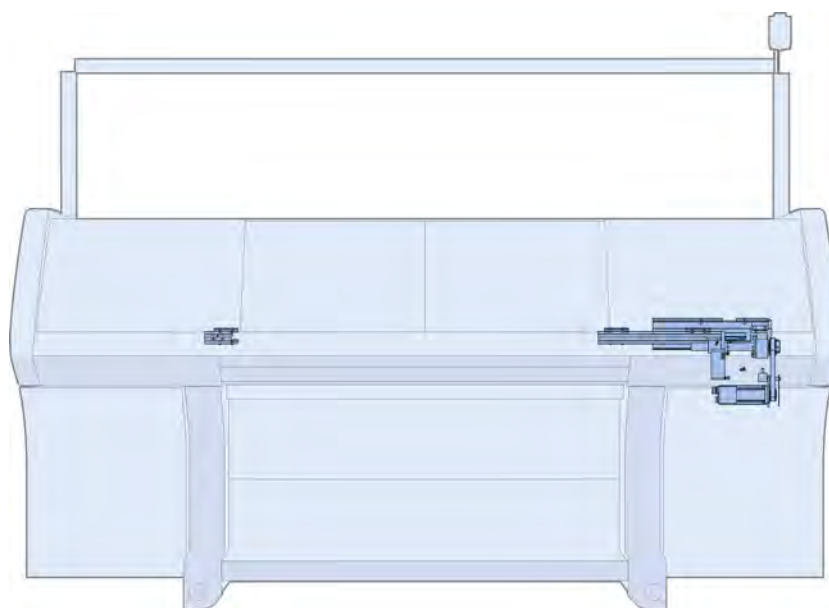


2.2 Energy chain and plunger

Pos	Designation	Id	Pos	Designation	Id
1	Energy chain 28 links	253 896	4	43 Clamping plate	252 592
501	Cap screw M6x8	023 411		517 Cap screw M8x30	020 143
4	Carriage driver complete	265 264		519 Fixing element	026 489
41	Carriage driver	260 689		520 Cap screw M6x8	023 411
42	Cable driver	259 287			

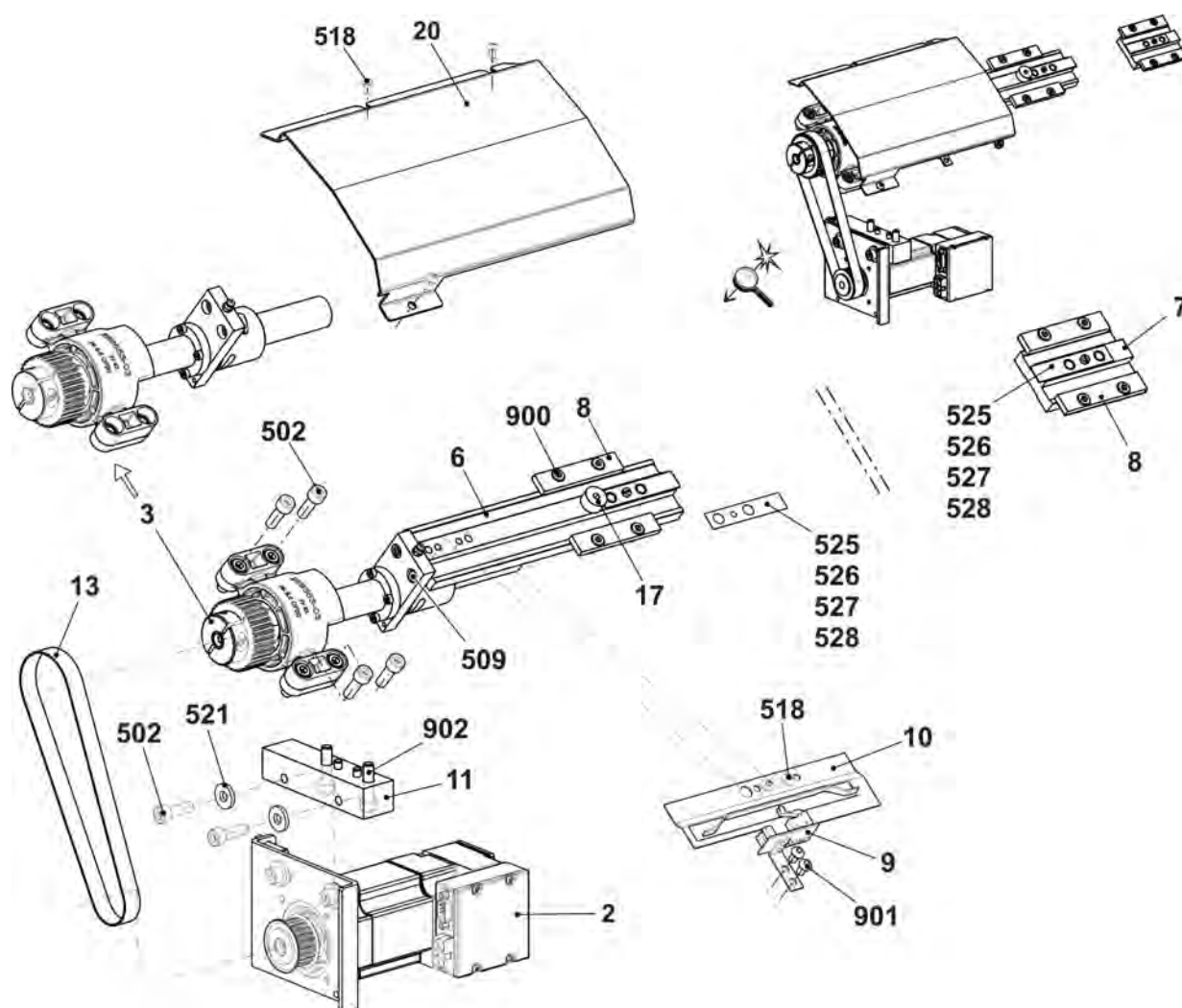


3 Racking

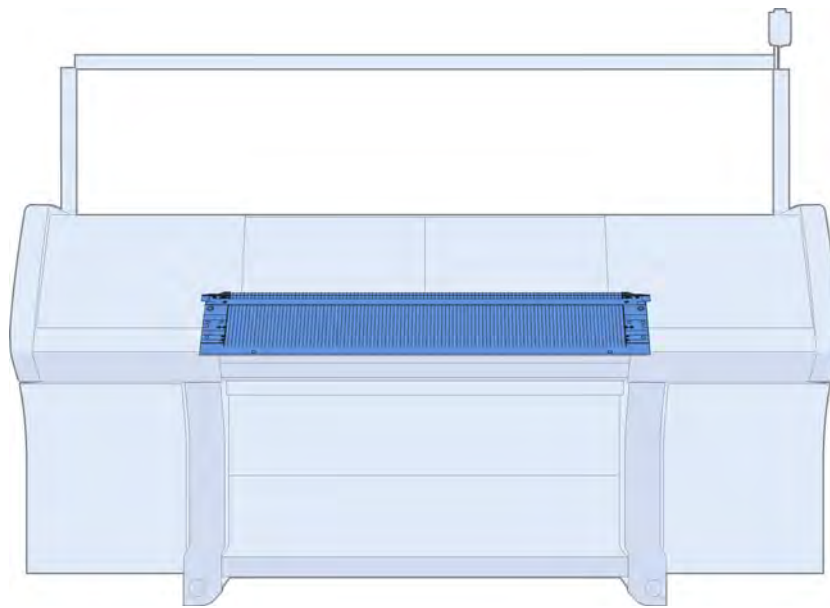


3.1 Racking drive

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Racking				
1	Three-phase AC servo motor racking complete	258 195	502	Cap screw M8x25	020 142
3	Spindle bearing	260 148	509	Cap screw M6x16	023 116
6	Racking strip	264 802	518	Pan-head screw M6x10	023 183
7	Racking strip on the left	240 696	521	Washer 8,4X20X3	022 175
8	Guide strip	206 382	525	Shim0,03x15x75	023 395
9	Card racking limit switch	229 396	526	Shim 0,05x15x7	023 396
10	Switch plate	240 722	527	Shim0,1x15x75	023 397
11	Bearing racking motor	264 630	528	Shim0,2x15x75	023 398
13	Toothed belt 150 S 5M 490	229 281	900	Cap screw M6x12	022 795
17	Stop screw	221 386	901	Pan-head screw M6x10	023 183
20	Racking cover plate	264 803	902	Cap screw M8x30	020 143

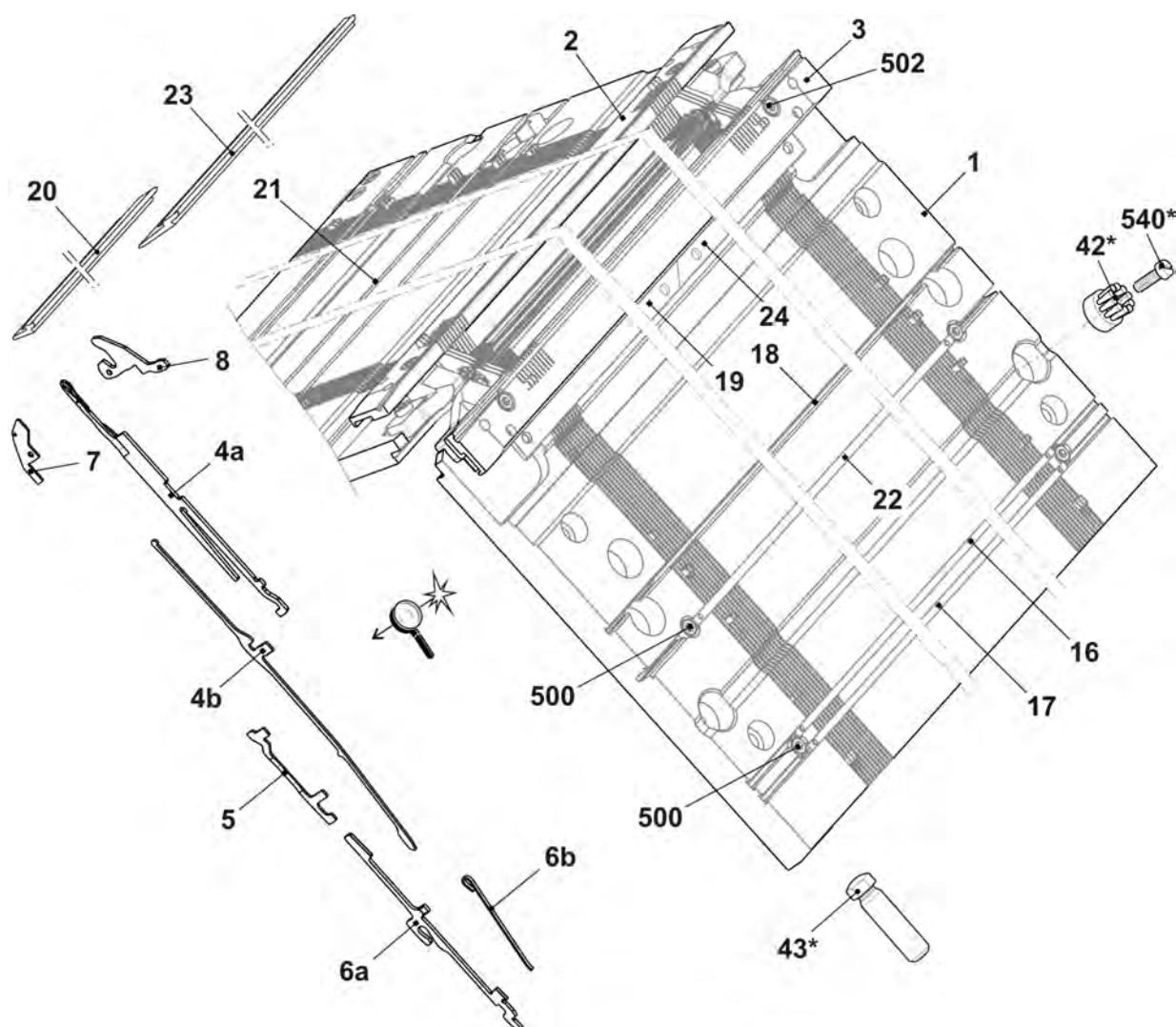


4 Needle beds



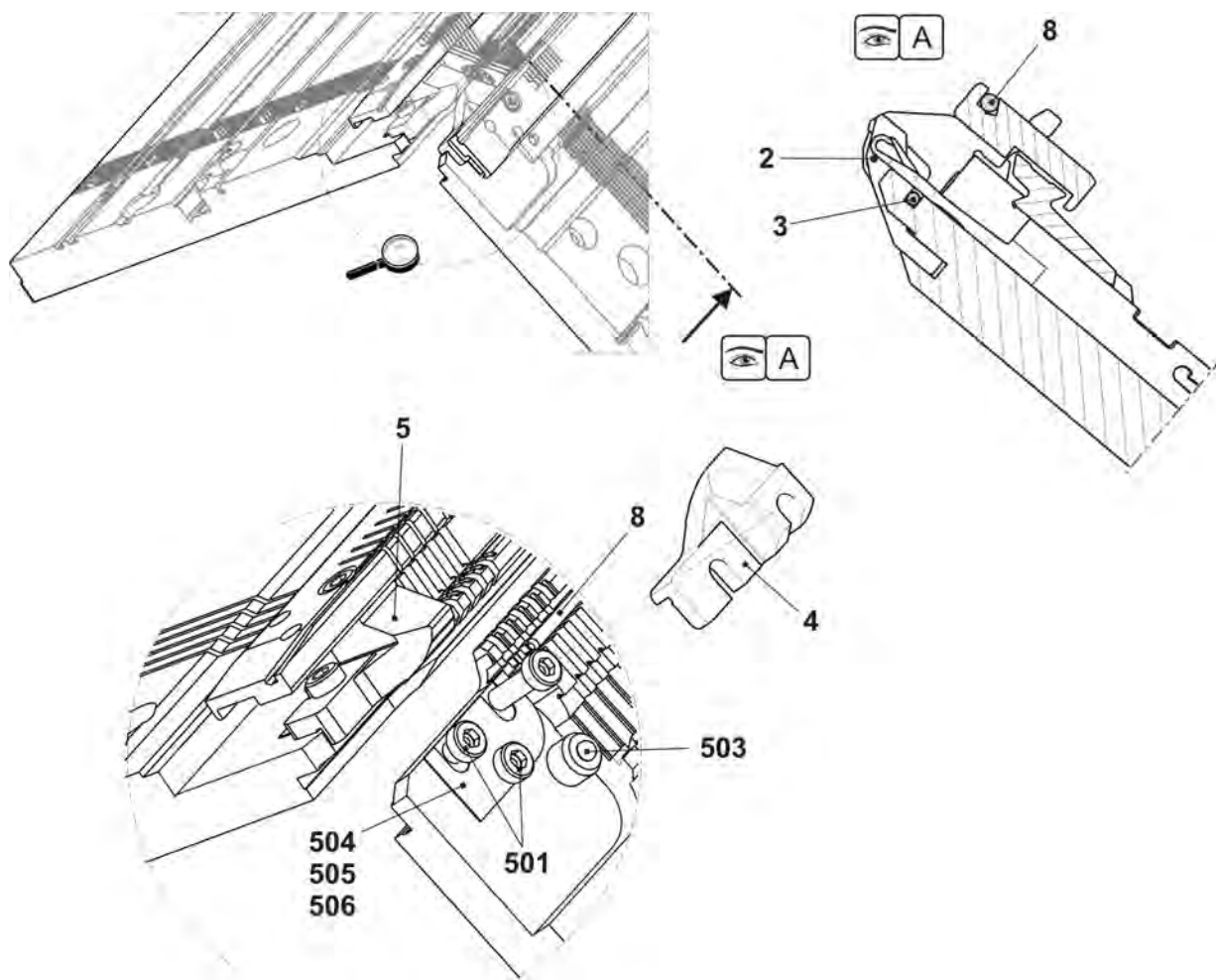
4.1 Needle bed E10

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rear E10	261 915			
1	Needle bed at the front + rear E10	261 903	18	Locating wire D=2,8	207 270
2	Holding-down jack bed at the rear E10	250 543	19	Needle bar on the left at the front	237 835
3	Holding-down jack bed at the front E10	250 542	20	Needle bar rear on the right	237 836
4a	Needle E10 with round hook	205 398	21	Cover rail at the rear	250 572
4b	Coupling part E10-12	253 382	22	Cover rail at the front E10	261 913
5	Intermediate slider with brake E10-12	255 535	23	Needle bar on the left at the rear	253 908
6a	Selection jack E10-12	200 688	24	Needle bar on the right at the rear	253 910
6b	Selector spring E10-12	200 691	500	Cap screw M5x10	022 918
7	Knock-over bit E10	239 756	502	Cap screw M5x22	023 193
8	Holding-down jack trick wall E10	239 815	42*	Disk brush	202 600
16	Cover rail	250 575	43*	Adjusting bolt	251 772
17	Cover rail	250 576	540*	Cap screw M5x12	020 032



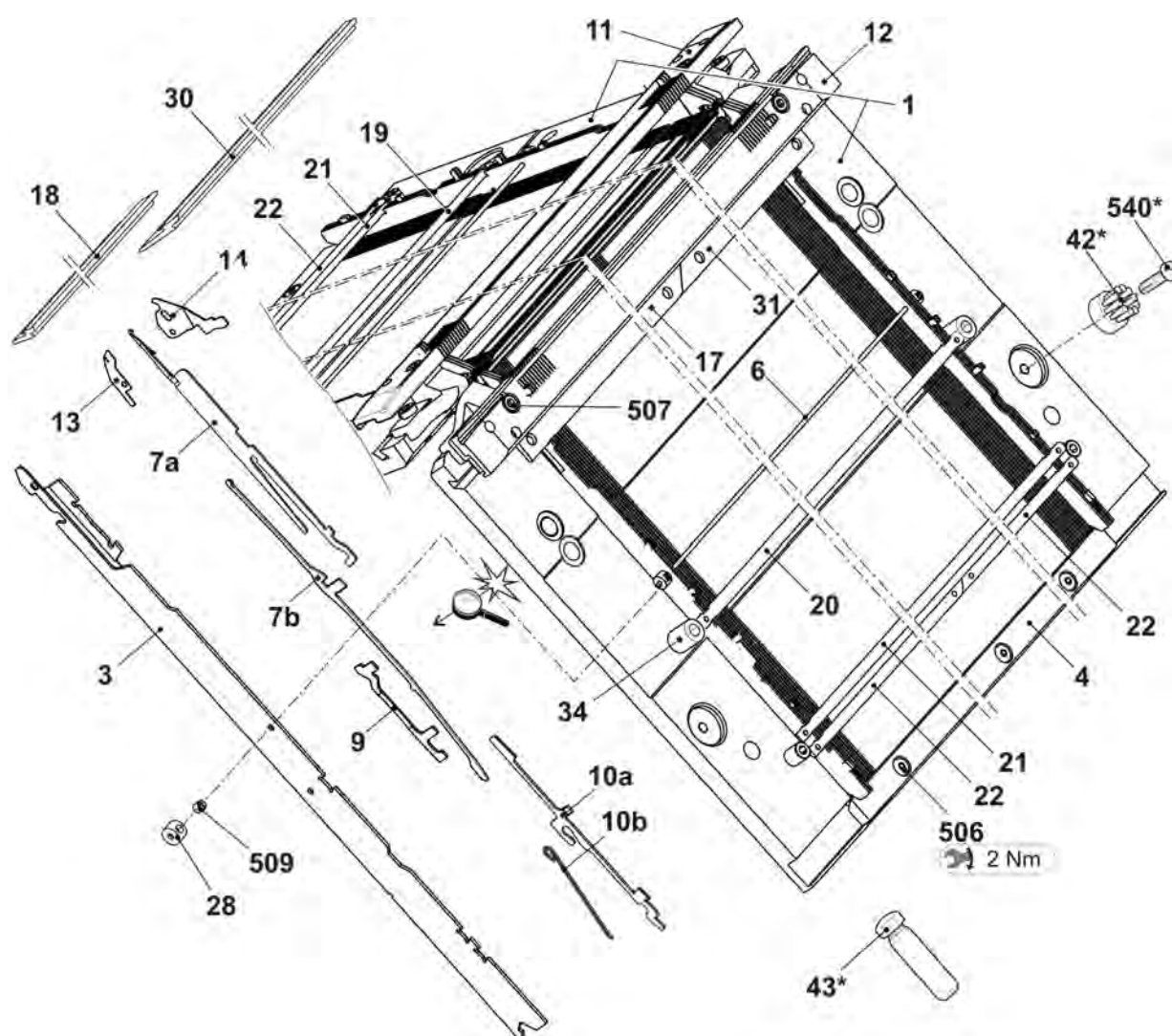
4.1.1 Continuation needle bed E10

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rear E10	261 915			
2	Spring steel wire ø0,6 E10-14	208 388	501	Cap screw M5x8	023 154
3	Spring steel wire ø2,0	207 269	503	Springy thrust piece	023 177
4	Limiter on the left E10-14	205 764	504	Shim0,05x18,5x34	023 196
5	Limiter on the right E10-14	205 765	505	Shim0,1x18,5x34	023 197
8	Locating wire ø2,8	207 270	506	Shim0,2x18,5x34	023 253



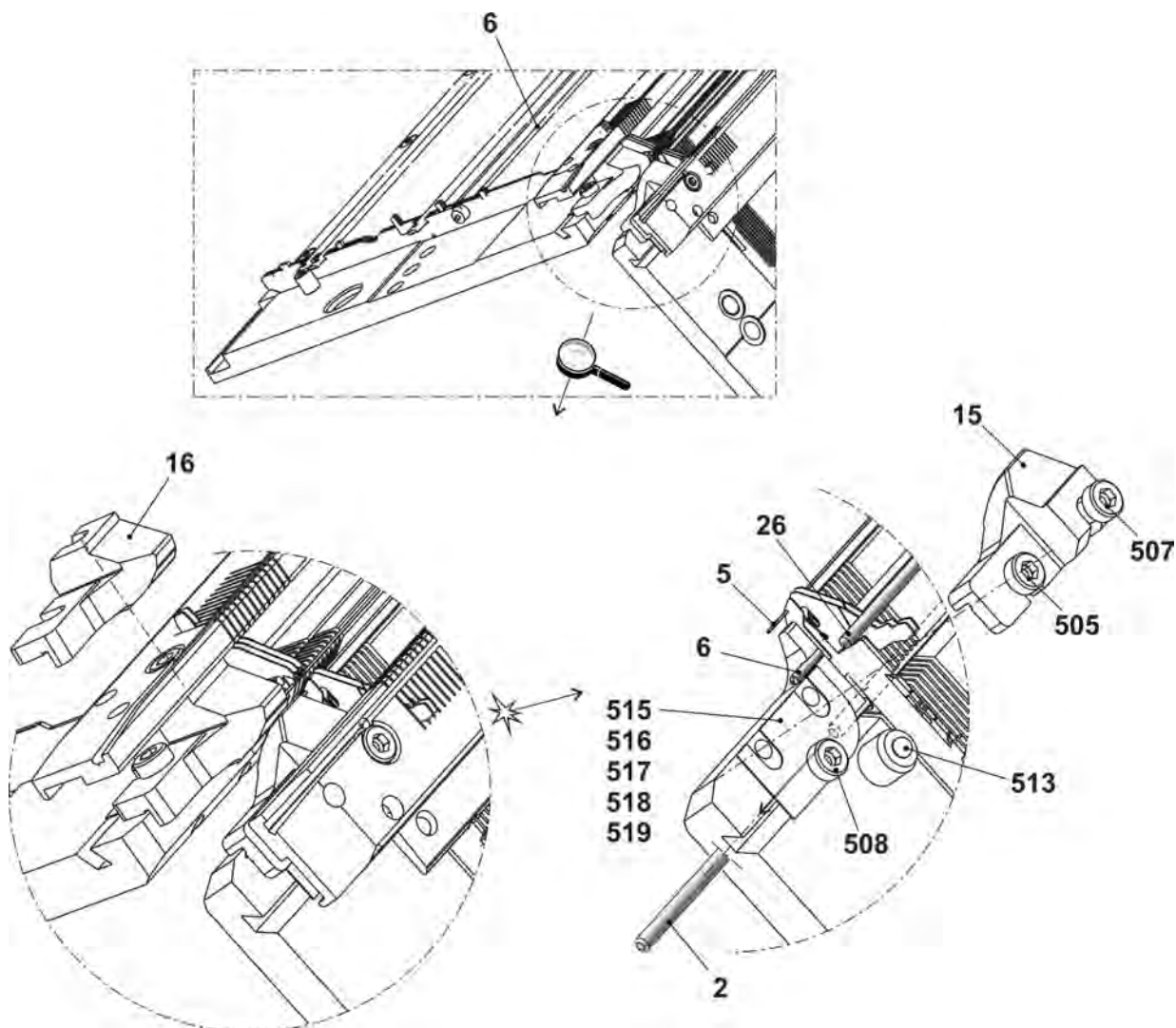
4.2 Needle bed E12

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E12	258 475	18	Needle bar rear on the right	237 836
1	Needle bed at the front + rear E12	258 455	19	Cover rail at the rear	250 572
3	Main trick wall E12	260 343	20	Cover rail at the front E12	250 593
4	Pressure slide E12-14	252 040	21	Cover rail	250 575
6	Spring steel wire ø2,0	207 269	22	Cover rail	250 576
7a	Needle E12	204 009	28	Bush	206 090
7b	Coupling part E10 - E12	253 382	30	Needle bar on the left at the rear	253 908
9	Intermediate slider with brake E10-12	255 535	31	Needle bar on the right at the rear	253 910
10a	Selection jack E10-12	200 688	34	Stop screw	235 244
10b	Selector spring E10-12	200 691	506	Cap screw M5x8	023 379
11	Holding-down jack bed at the rear E12	250 545	507	Cap screw M5x22	023 193
12	Holding-down jack bed at the front E12	250 544	509	Setscrew M3,5x3-1	020 512
13	Knock-over bit E12	259 212	42*	Disk brush	202 600
14	Holding-down jack trick wall E12	259 213	43*	Adjusting bolt	251 772
17	Needle bar on the left at the front	237 835	540*	Cap screw M5x12	020 032



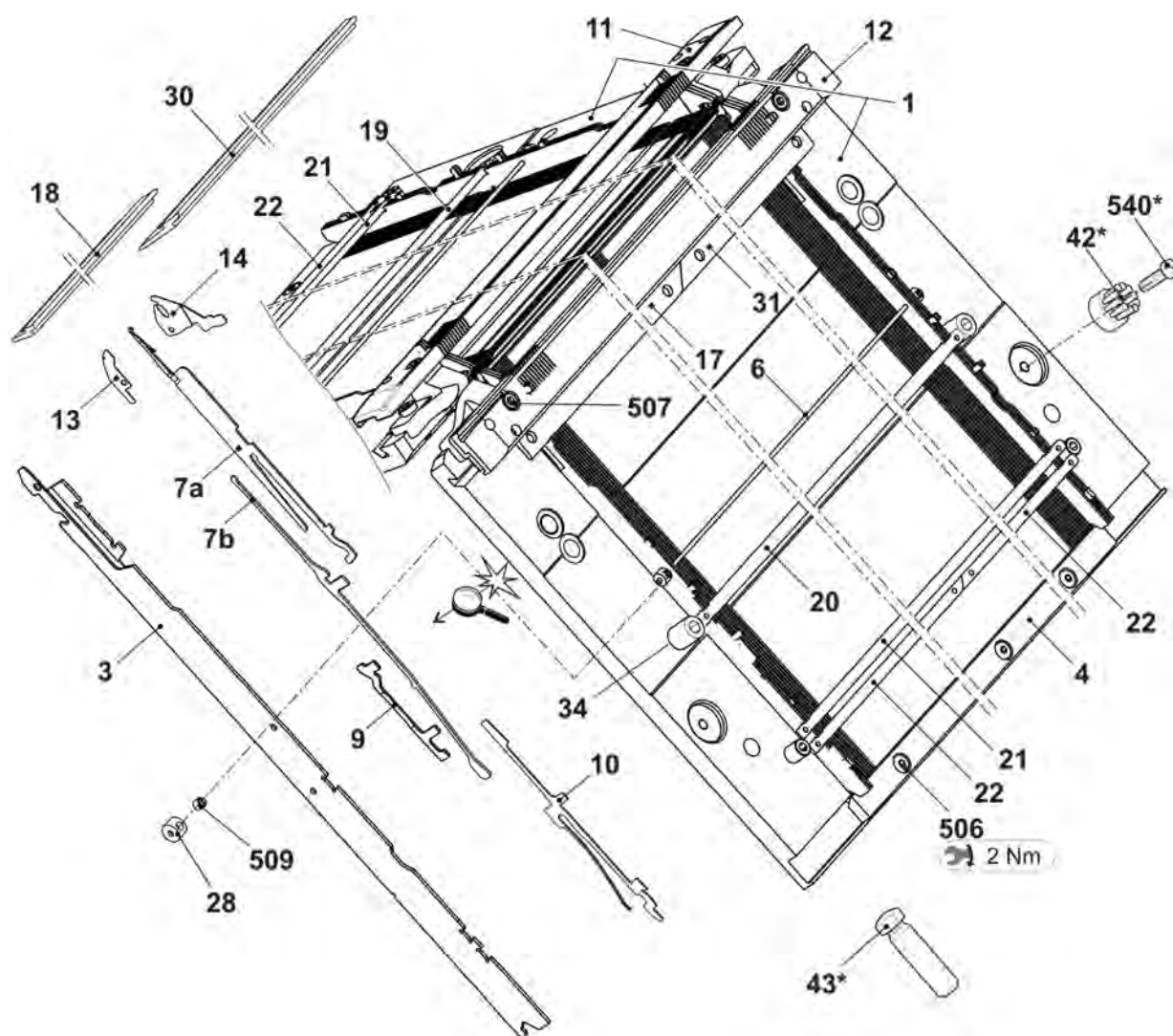
4.2.1 Continuation needle bed E12

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E12	258 475	505	Cap screw M5x8-8.8	023 154
2	Locating wire ø3,4	208 389	507	Cap screw M5x22	023 193
5	Spring steel wire ø0,6	208 388	508	Cap screw M5x12-8.8	022 943
6	Spring steel wire ø2,0	207 269	513	Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764	517	Shim0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765	518	Shim0,1x18,5x34	023 197
26	Locating wire ø2,8	207 270	519	Shim0,2x18,5x34	023 253



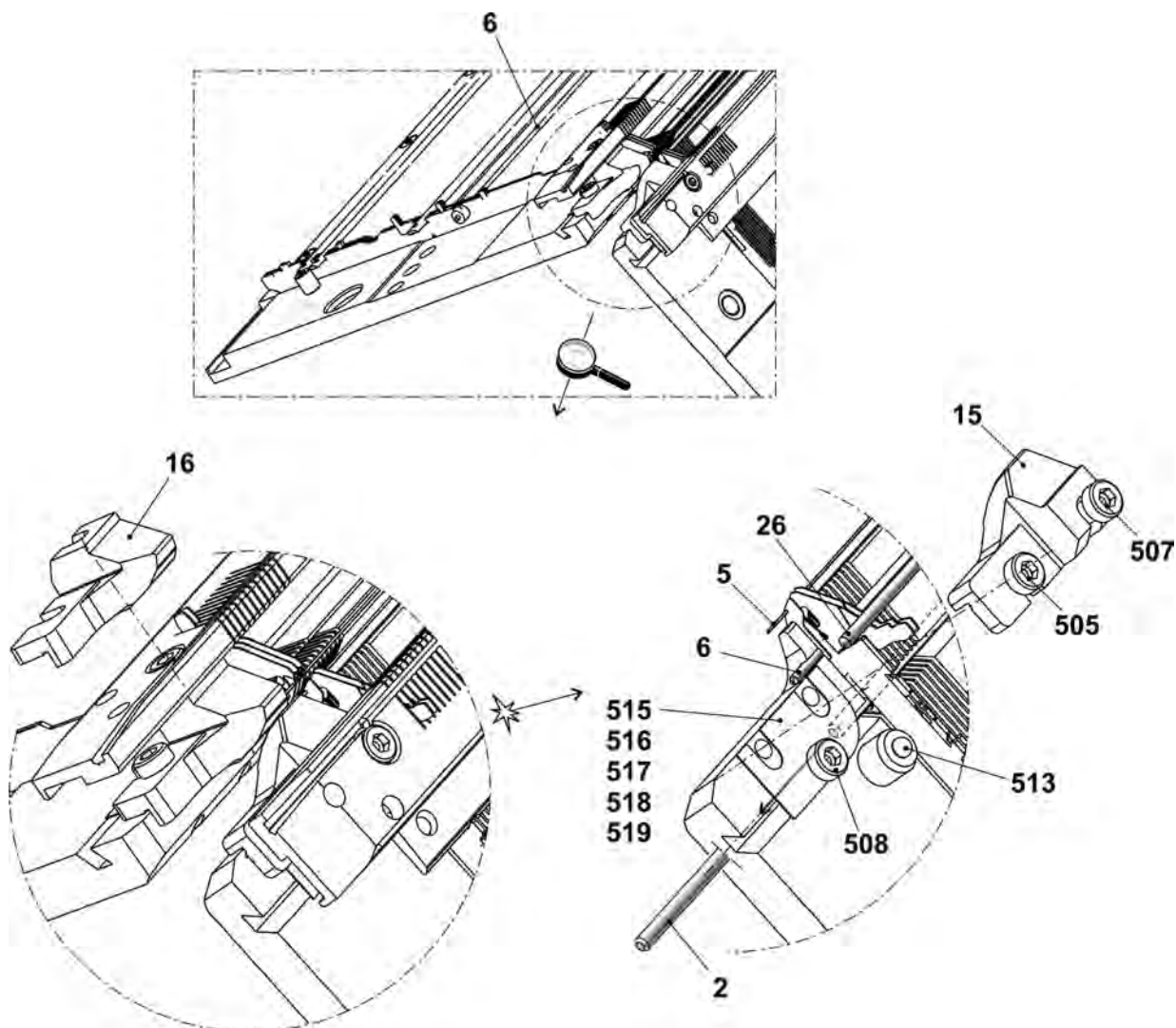
4.3 Needle bed E14

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rearE14	258 476			
1	Needle bed at the front + rearE14	258 456	19	Cover rail at the rear	250 572
3	Main trick wall E14	260 344	20	Cover rail at the front E14	250 571
4	Pressure slide E12 - E14	252 040	21	Cover rail	250 575
6	Spring steel wire ø2,0	207 269	22	Cover rail	250 576
7a	Needle E14	209 614	28	Bush	206 090
7b	Coupling part E14	253 383	30	Needle bar on the left at the rear	253 908
9	Intermediate slider with brake E14+7.2	255 536	31	Needle bar on the right at the rear	253 910
10	Selection jack with spring E14	224 725	34	Stop screw	235 244
11	Holding-down jack bed at the rear E14	250 547	506	Cap screw M4-M5x8	023 379
12	Holding-down jack bed at the front E14	250 546	507	Cap screw M5x22	023 193
13	Knock-over bit E14	209 649	509	Setscrew M3,5x3-1	020 512
14	Holding-down jack trick wallE14	235 262	42*	Disk brush	202 600
17	Needle bar on the left at the front	237 835	43*	Adjusting bolt	251 772
18	Needle bar rear on the right	237 836	540*	Cap screw M5x12	020 032



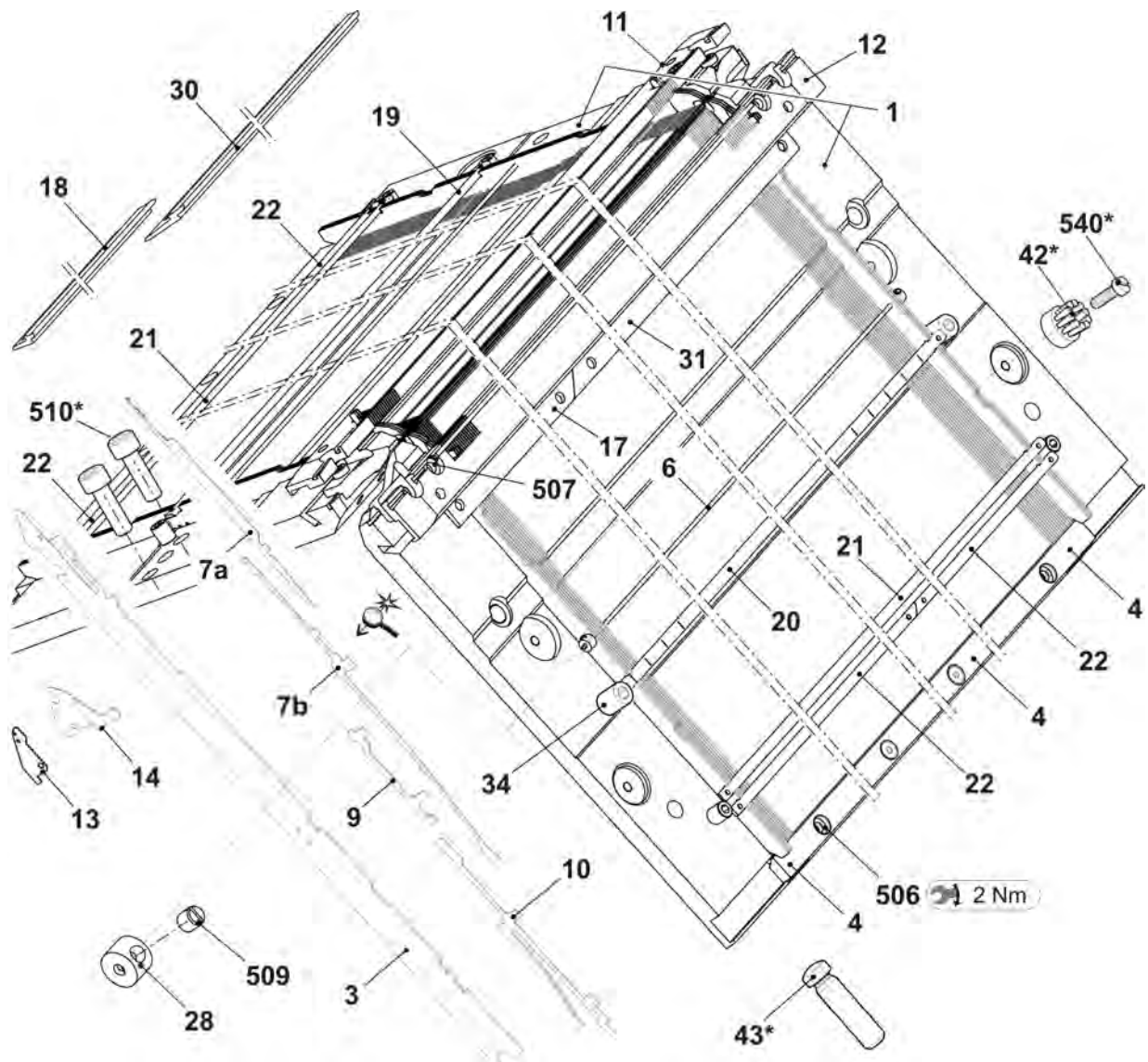
4.3.1 Continuation needle bed E14

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E14	258 476	505	Cap screw M5x8-8.8	023 154
2	Locating wire ø3,4	208 389	507	Cap screw M5x22	023 193
5	Spring steel wire ø0,6	208 388	508	Cap screw M5x12-8.8	022 943
6	Spring steel wire ø2,0	207 269	513	Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764	517	Shim0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765	518	Shim0,1x18,5x34	023 197
26	Locating wire ø2,8	207 270	519	Shim0,2x18,5x34	023 253



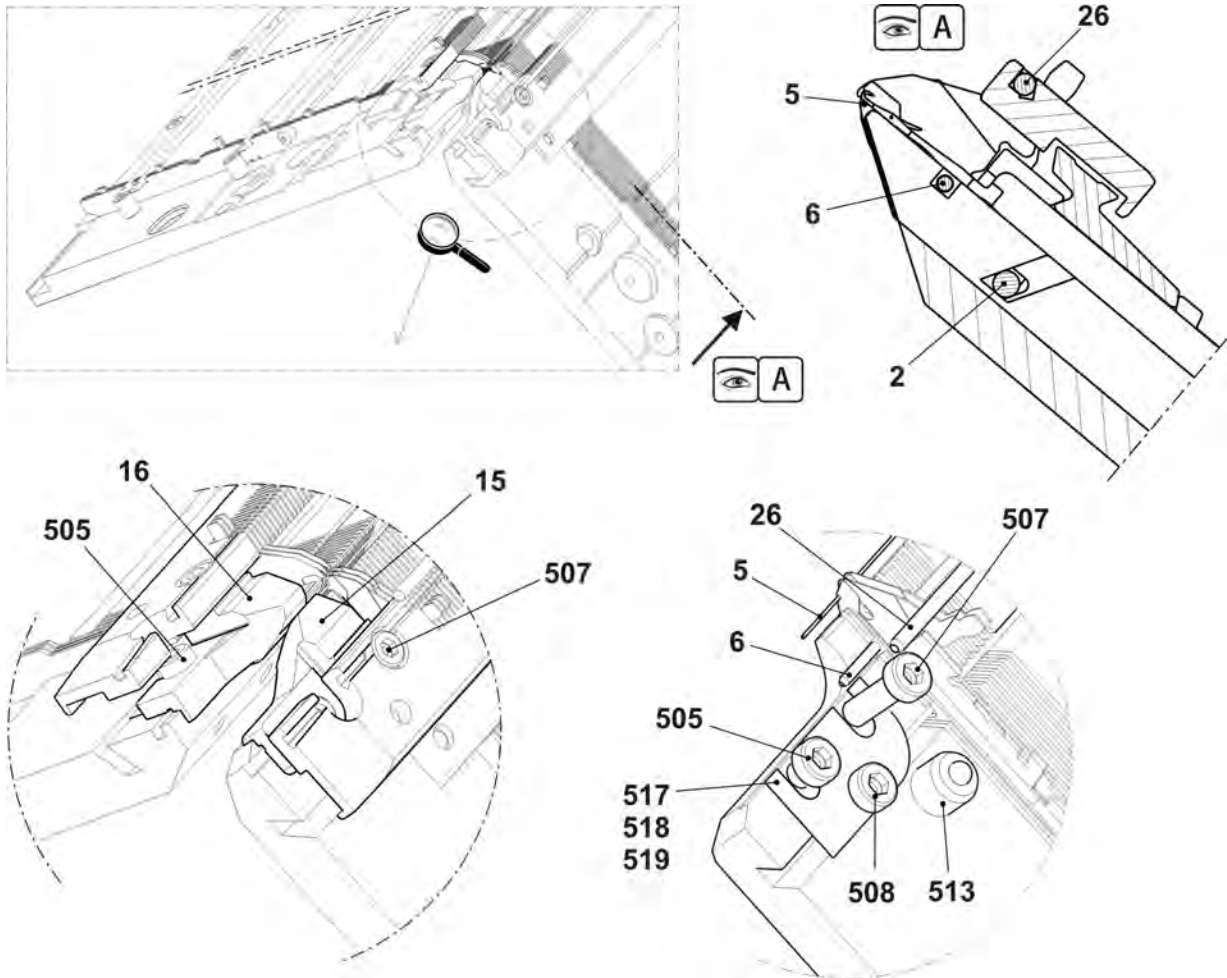
4.4 Needle bed E16

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E16	258 477	19	Cover rail at the rear	250 572
1	Needle bed at the front + rear E16	258 457	20	Cover rail at the front E16	250 587
3	Main trick wall E16	245 319	21	Cover rail	250 575
4	Pressure slide E12-14	252 040	22	Cover rail	250 576
6	Spring steel wire ø2,0	207 269	28	Bush	206 090
7a	Needle E16	232 243	30	Needle bar on the left at the rear	253 908
7b	Coupling part E16-18	253 384	31	Needle bar on the right at the rear	253 910
9	Intermediate slider with brake E16-18	255 537	34	Stop screw	235 244
10	Selection jack E16-20	222 265	506	Cap screw M4-M5x8	023 379
11	Holding-down jack bed at the rear E16	250 549	507	Cap screw M5x22	023 193
12	Holding-down jack bed at the front E16	250 548	509	Setscrew M3,5x3-1	020 512
13	Knock-over bit E8.2	261 865	42*	Disk brush ø12	202 600
14	Holding-down jack E16	264 106	43*	Adjusting bolt	251 772
17	Needle bar on the left at the front	237 835	510*	Cap screw M8x25	020 142
18	Needle bar rear on the right	237 836	540*	Cap screw M5x12	020 032



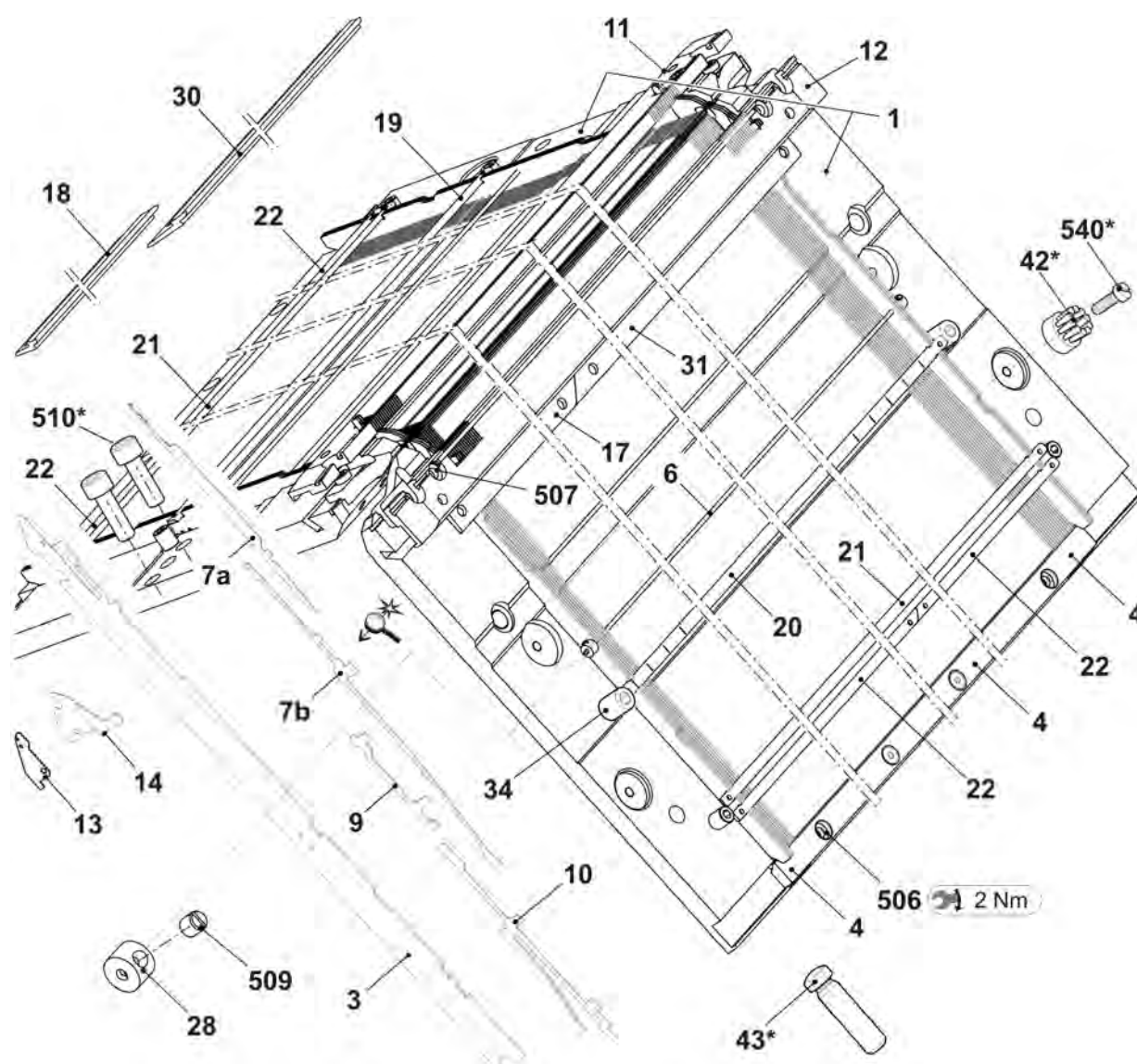
4.4.1 Continuation needle bed E16

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E16	258 477	505	Cap screw M5x8	023 154
2	Locating wire ø3,4	208 389	507	Cap screw M5x22	023 193
5	Spring steel wire ø0,5	250 690	508	Cap screw M5x12	022 943
6	Spring steel wire ø2,0	207 269	513	Springy thrust piece	023 177
15	Limiter on the left E16-20	220 821	517	Shim0,05x18,5x34	023 196
16	Limiter on the right E16-20	220 822	518	Shim0,1x18,5x34	023 197
26	Locating wire ø2,8	256 860	519	Shim0,2X18,5X34	023 253



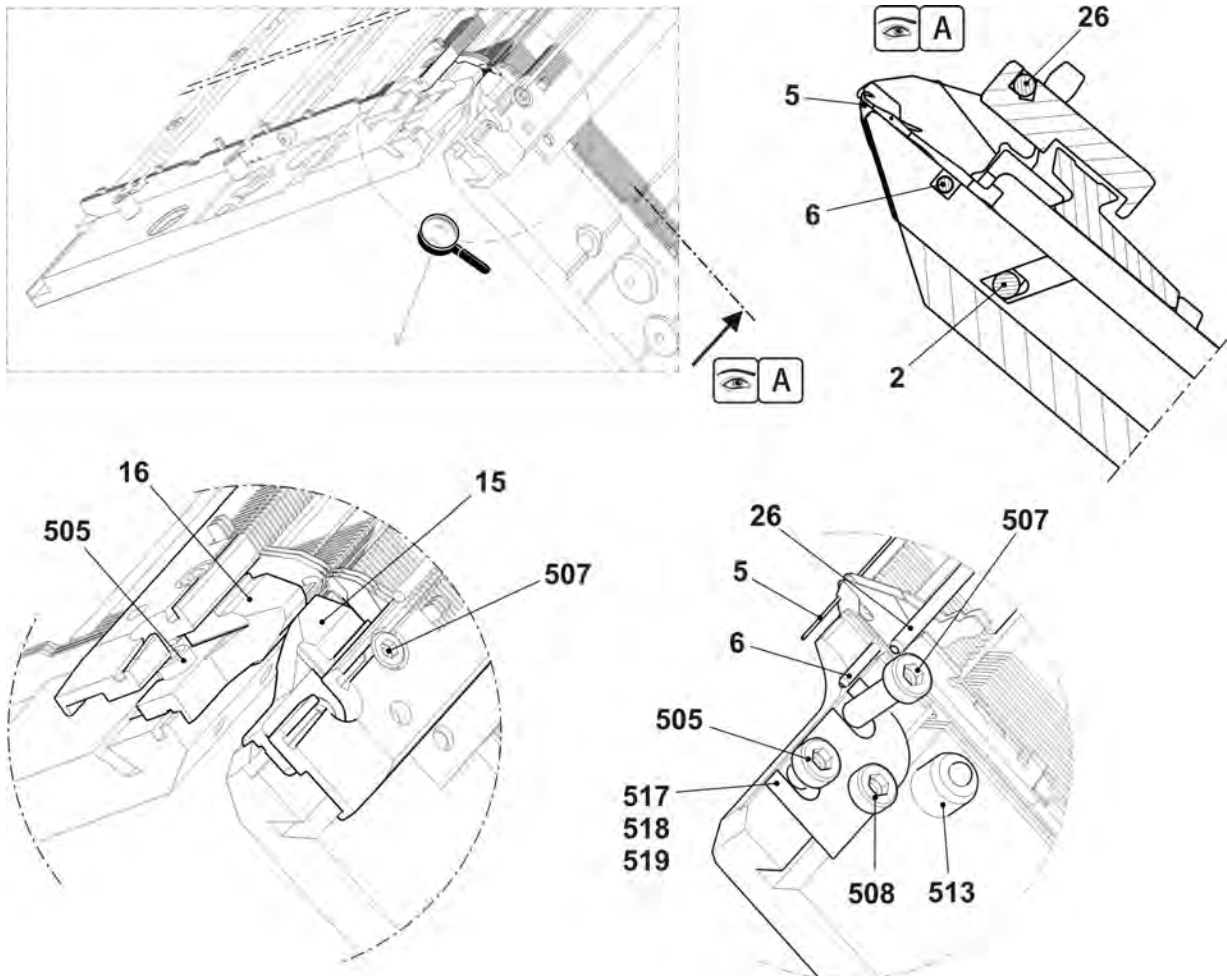
4.5 Needle bed E18

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E18	258 478	19	Cover rail at the rear	250 572
1	Needle bed at the front + rear E18	258 458	20	Cover rail at the front E18	256 864
3	Main trick wall E18	251 051	21	Cover rail	250 575
4	Pressure slide E12-14	252 040	22	Cover rail	250 576
6	Spring steel wire ø2,0	207 269	28	Bush	206 090
7a	Needle E18	239 527	30	Needle bar on the left at the rear	253 908
7b	Coupling part E10-12	253 384	31	Needle bar on the right at the rear	253 910
9	Intermediate slider with brake E16-18	255 537	34	Stop screw	235 244
10	Selection jack E16-20	222 265	506	Cap screw M4-M5x8	023 379
11	Holding-down jack bed at the rear E18	250 551	507	Cap screw M5x22	023 193
12	Holding-down jack bed at the front E18	250 550	509	Setscrew M3,5x3-1	020 512
13	Knock-over bit 0,8 mm E18	263 927	42*	Disk brush ø12	202 600
14	Holding-down jack E18	264 107	43*	Adjusting bolt	251 772
17	Needle bar on the left at the front	237 835	510*	Cap screw M8x25	020 142
18	Needle bar rear on the right	237 836	540*	Cap screw M5x12	020 032



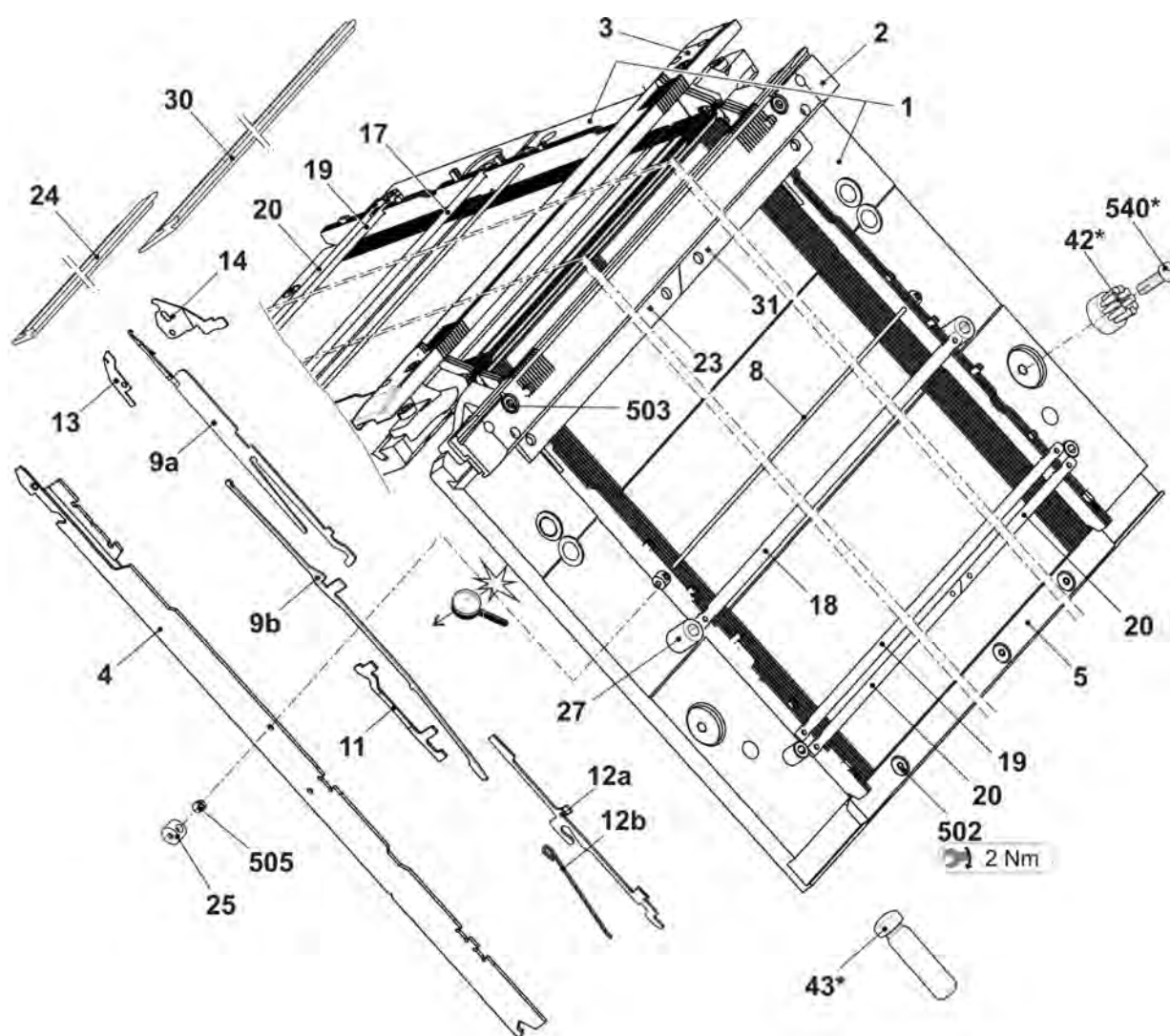
4.5.1 Continuation needle bed E18

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E18	258 478	505	Cap screw M5x8	023 154
2	Locating wire ø3,4	208 389	507	Cap screw M5x22	023 193
5	Spring steel wire ø0,5	250 690	508	Cap screw M5x12-8.8	022 943
6	Spring steel wire ø2,0	207 269	513	Springy thrust piece	023 177
15	Limiter on the left E16-20	220 821	517	Shim0,05x18,5x34	023 196
16	Limiter on the right E16-20	220 822	518	Shim0,1x18,5x34	023 197
26	Locating wire ø2,8	256 860	519	Shim0,2x18,5x34	023 253



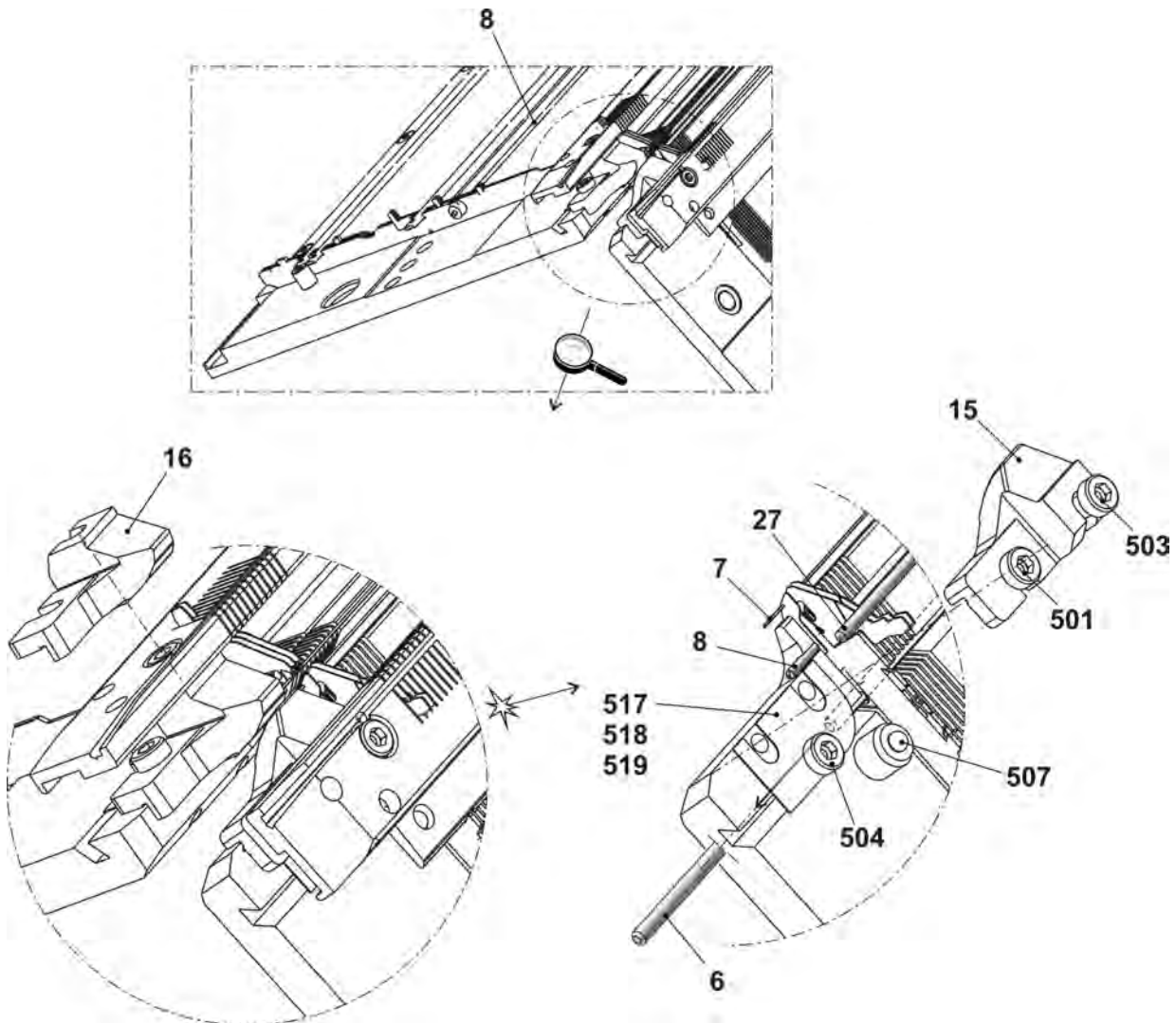
4.6 Needle bed E6.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E6.2	258 481	18	Cover rail at the front E12	250 593
1	Needle bed at the front + rear E12	258 455	19	Cover rail	250 575
2	Holding-down jack bed at the front E6.2	250 917	20	Cover rail	250 576
3	Holding-down jack bed at the rear E6.2	250 918	23	Needle bar on the left at the front	237 835
4	Main trick wall E12	260 343	24	Needle bar rear on the right	237 836
5	Pressure slide E12-14	252 040	25	Bush	206 090
8	Spring steel wire ø2,0	207 269	27	Stop screw	235 244
9a	Needle E6.2	207 349	30	Needle bar on the left at the rear	253 908
9b	Coupling part E10 - E12	253 382	31	Needle bar on the right at the rear	253 910
11	Intermediate slider with brake E10-12	255 535	502	Cap screw M5x8	023 379
12a	Selection jack E10-12	200 688	503	Cap screw M5x22	023 193
12b	Selector spring E10-12	200 691	505	Set screw M3,5x3-1	020 512
13	Knock-over bit E12	259 212	42*	Disk brush	202 600
14	Holding-down jack trick wall E12	259 213	43*	Adjusting bolt	251 772
17	Cover rail at the rear	250 572	540*	Cap screw M5x12	020 032



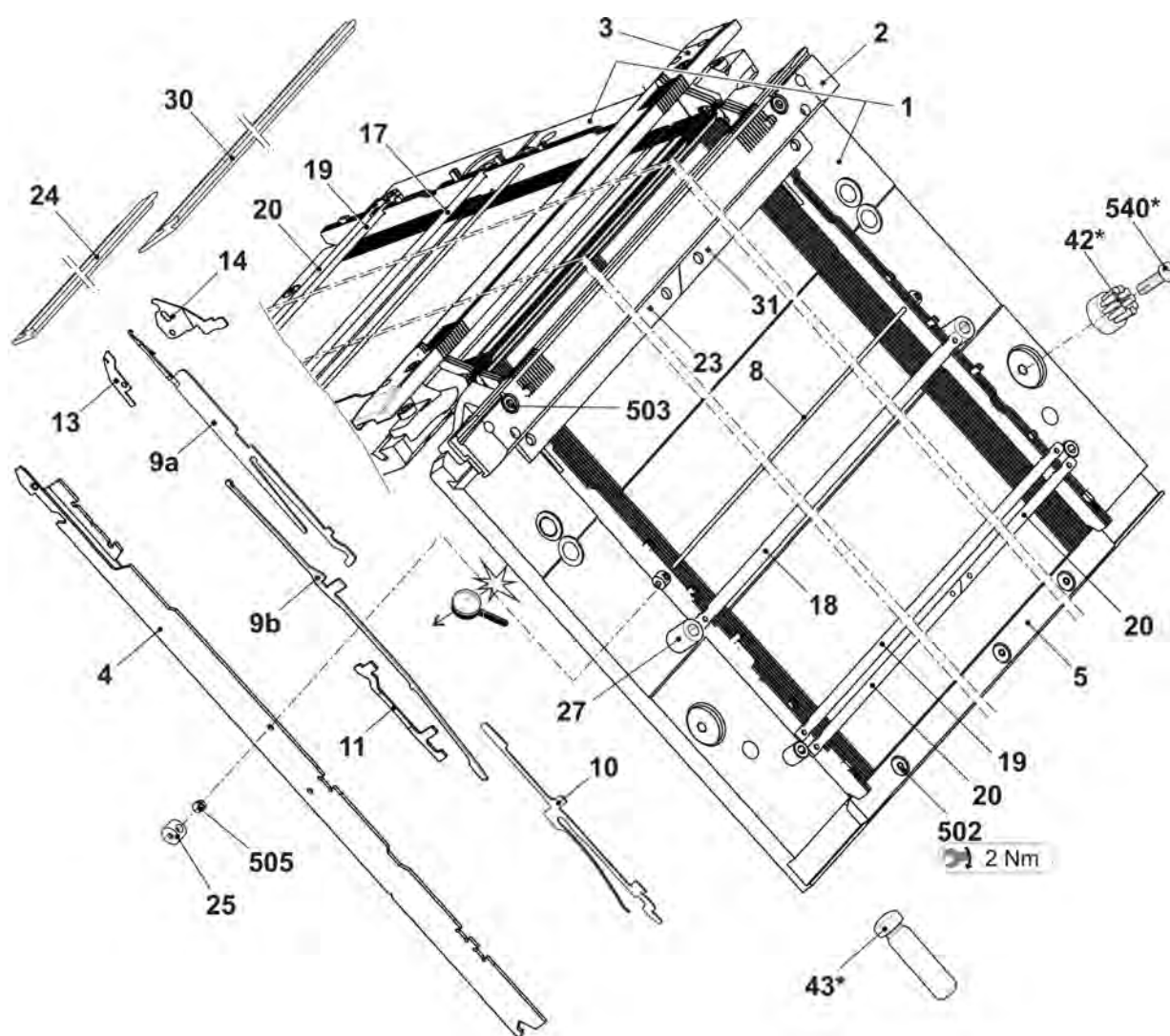
4.6.1 Continuation needle bed E6.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E6.2	258 481	501	Cap screw M5x8-8.8	023 154
6	Locating wire ø3,4	208 389	503	Cap screw M5x22	023 193
7	Spring steel wire ø0,6	208 388	504	Cap screw M5x12-8.8	022 943
8	Spring steel wire ø2,0	207 269	507	Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764	510	Shim0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765	511	Shim0,1x18,5x34	023 197
27	Locating wire ø2,8	207 270	512	Shim0,2x18,5x34	023 253



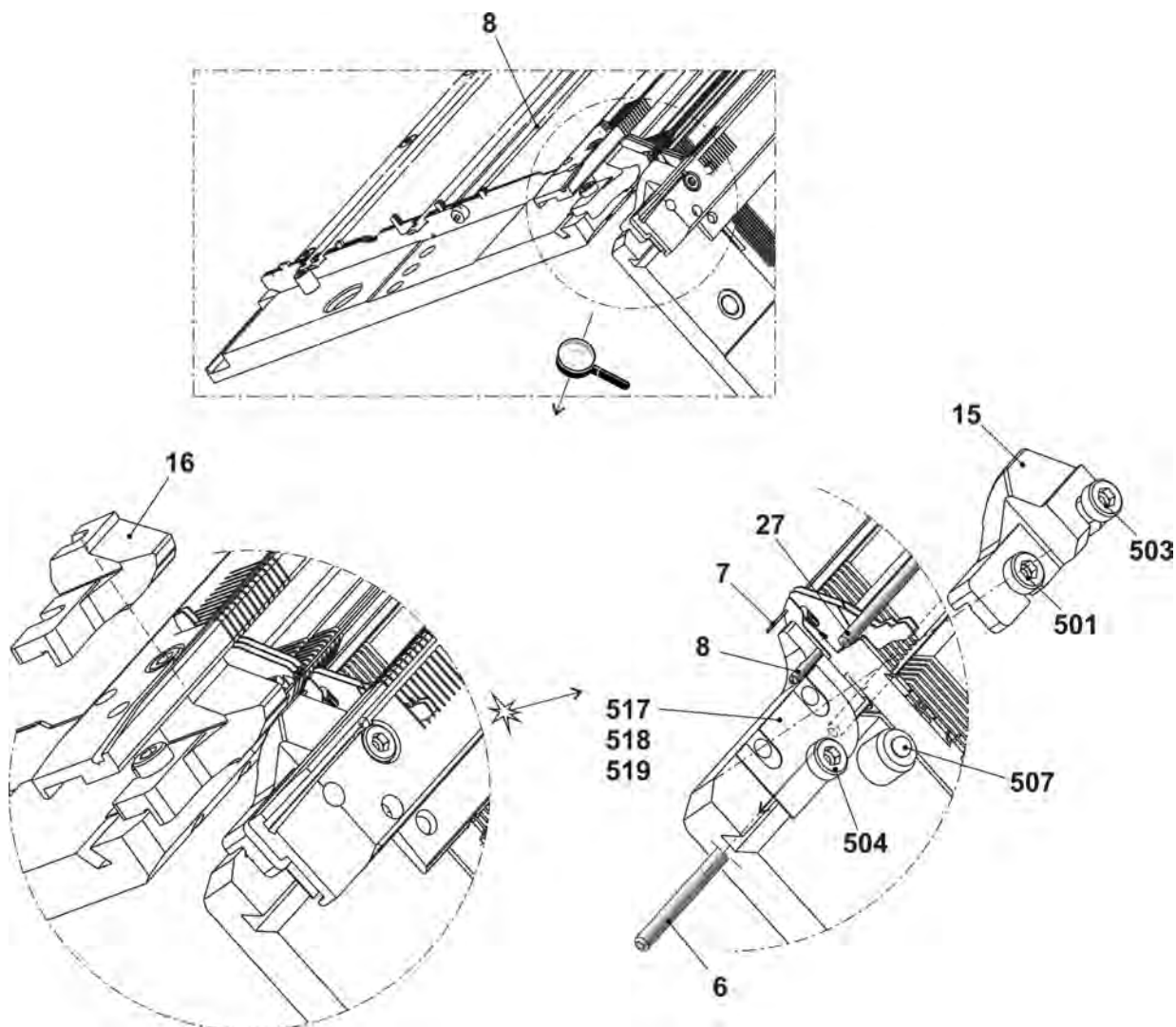
4.7 Needle bed E7.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E7.2	258 482			
1	Needle bed at the front + rear E14	258 456	19	Cover rail	250 575
2	Holding-down jack bed at the front E7.2	250 919	20	Cover rail	250 576
3	Holding-down jack bed at the rear E7.2	250 920	23	Needle bar on the left at the front	237 835
4	Main trick wall E14	260 344	24	Needle bar rear on the right	237 836
5	Pressure slide E12-14	252 040	25	Bush	206 090
8	Spring steel wire ø2,0	207 269	27	Stop screw	235 244
9a	Needle E7.2	225 230	30	Needle bar on the left at the rear	253 908
9b	Coupling part E14	253 383	31	Needle bar on the right at the rear	253 910
11	Intermediate slider with brake E14	255 536	502	Cap screw M5x8	023 379
12	Selection jack with spring E14	224 725	503	Cap screw M5x22	023 193
13	Knock-over bit	256 912	505	Setscrew M3,5x3-1	020 512
14	Holding-down jack trick wall E7.2	258 396	42*	Disk brush	202 600
17	Cover rail at the rear	250 572	43*	Adjusting bolt	251 772
18	Cover rail at the front E14	250 571	540*	Cap screw M5x12	020 032



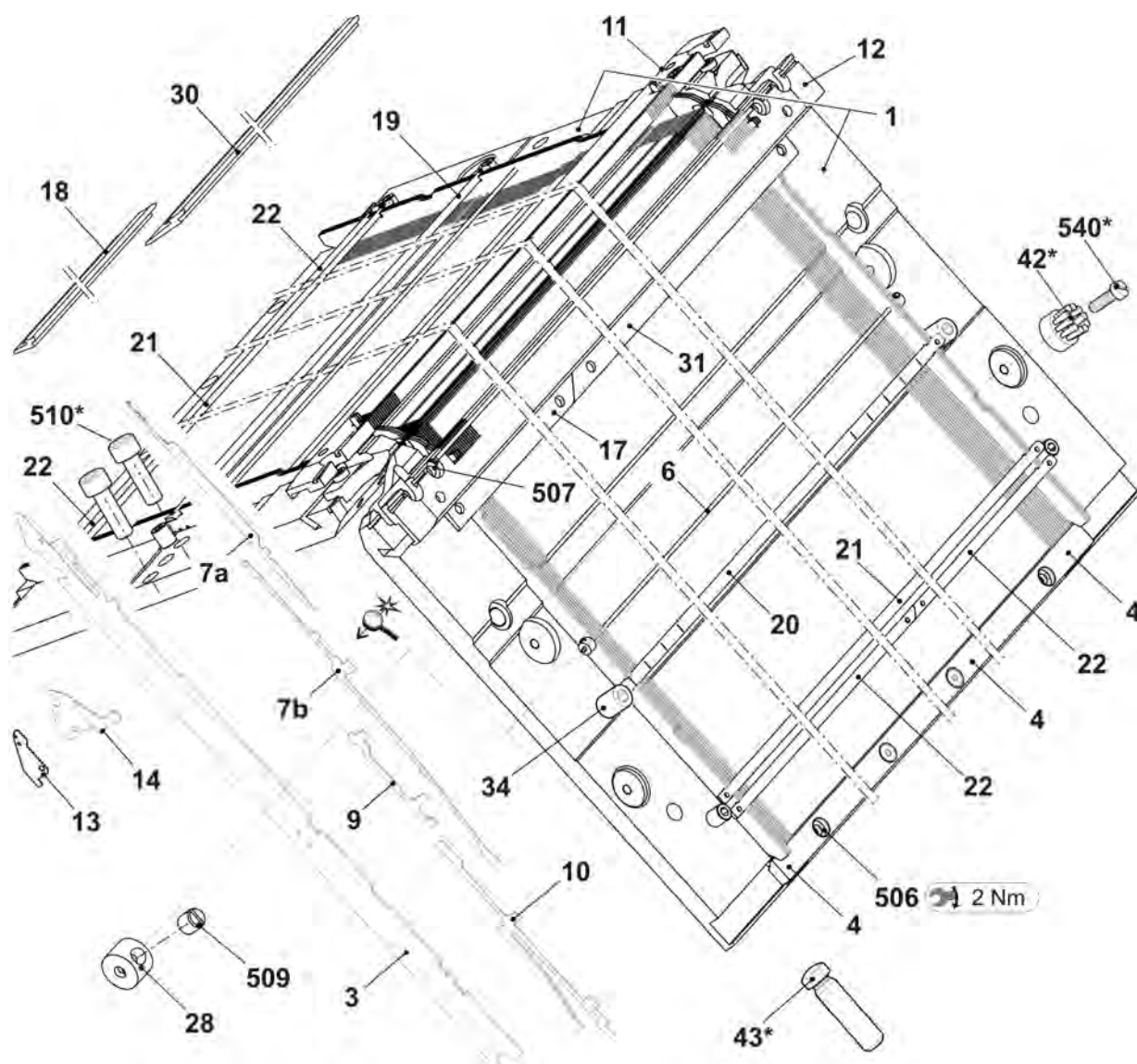
4.7.1 Continuation needle bed E7.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E7.2	258 482	501	Cap screw M5x8-8.8	023 154
6	Locating wire ø3,4	208 389	503	Cap screw M5x22	023 193
7	Spring steel wire ø0,6	208 388	504	Cap screw M5x12-8.8	022 943
8	Spring steel wire ø2,0	207 269	507	Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764	510	Shim0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765	511	Shim0,1x18,5x34	023 197
27	Locating wire ø2,8	207 270	512	Shim0,2x18,5x34	023 253



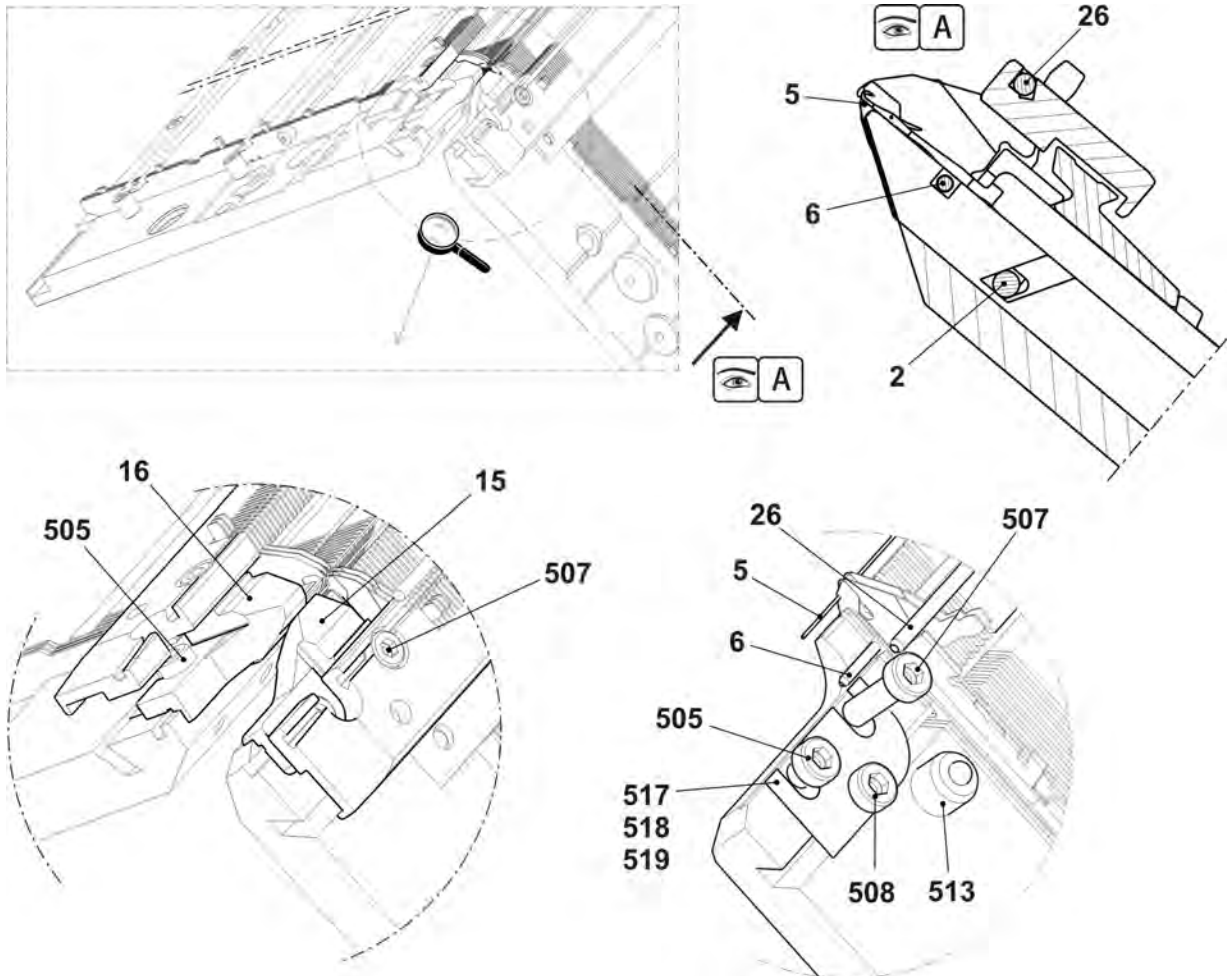
4.8 Needle bed E8.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E8.2	258 483	19	Cover rail at the rear	250 572
1	Needle bed at the front + rear E16	258 457	20	Cover rail at the front E16	250 587
3	Main trick wall E16	245 319	21	Cover rail	250 575
4	Pressure slide E12-14	252 040	22	Cover rail	250 576
6	Spring steel wire ø2,0	207 269	28	Bush	206 090
7a	Needle E8.2	261 263	30	Needle bar on the left at the rear	253 908
7b	Coupling part E16-18	253 384	31	Needle bar on the right at the rear	253 910
9	Intermediate slider with brake E16-18	255 537	34	Stop screw	235 244
10	Selection jack E16-20	222 265	506	Cap screw M4-M5x8	023 379
11	Holding-down jack bed at the rear E16	250 549	507	Cap screw M5x22	023 193
12	Holding-down jack bed at the front E16	250 548	509	Setscrew M3,5x3-1	020 512
13	Knock-over bit E8.2	261 865	42*	Disk brush ø12	202 600
14	Holding-down jack E16	264 106	43*	Adjusting bolt	251 772
17	Needle bar on the left at the front	237 835	510*	Cap screw M8x25	020 142
18	Needle bar rear on the right	237 836	540*	Cap screw M5x12	020 032



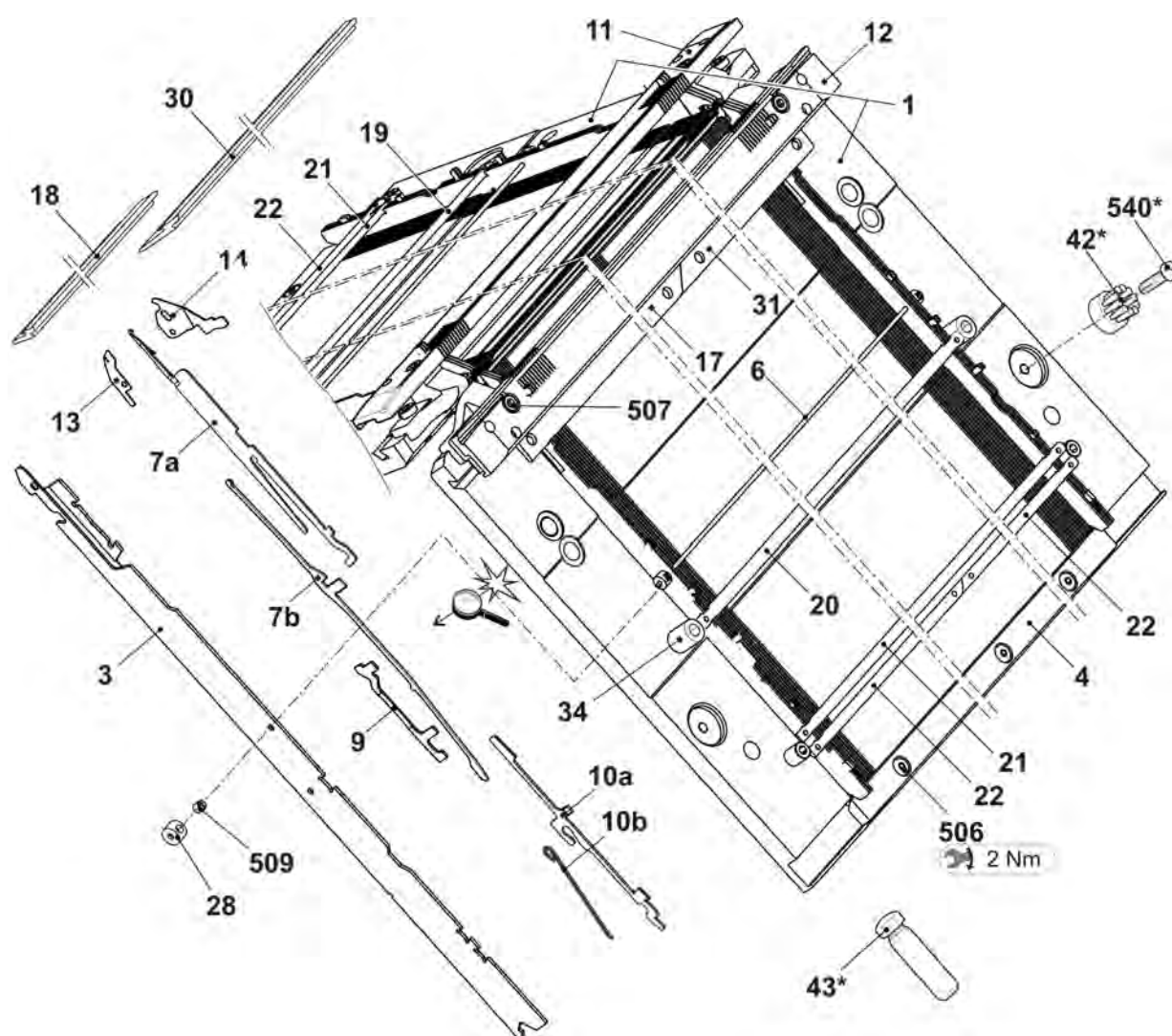
4.8.1 Continuation needle bed E8.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E8.2	258 483	505	Cap screw M5x8	023 154
2	Locating wire ø3,4	208 389	507	Cap screw M5x22	023 193
5	Spring steel wire ø0,5	250 690	508	Cap screw M5x12	022 943
6	Spring steel wire ø2,0	207 269	513	Springy thrust piece	023 177
15	Limiter on the left E16-20	220 821	517	Shim0,05x18,5x34	023 196
16	Limiter on the right E16-20	220 822	518	Shim0,1x18,5x34	023 197
26	Locating wire ø2,8	256 860	519	Shim0,2X18,5X34	023 253



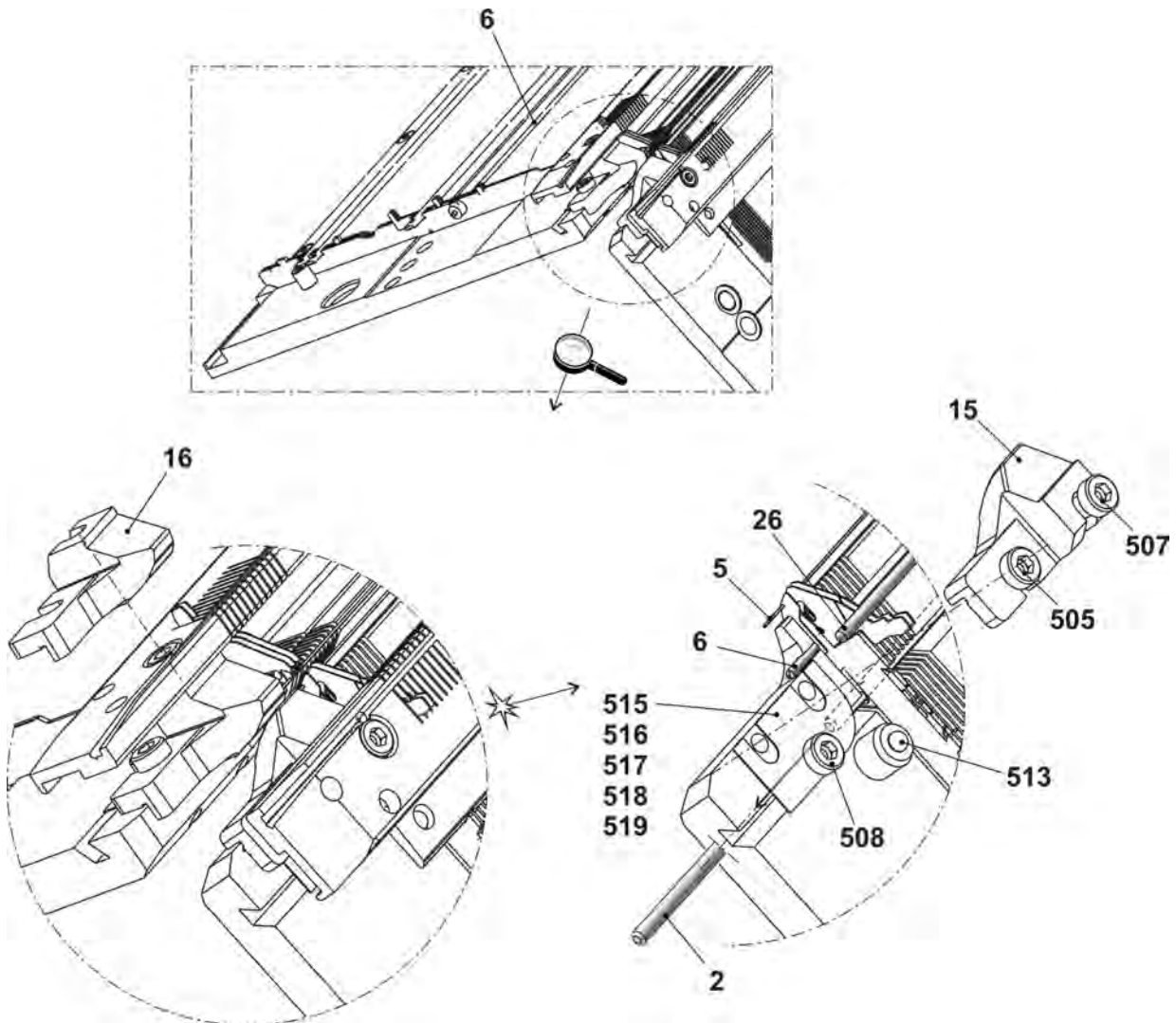
4.9 Needle bed E6.2 (12m.10)

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E12m.10	258 479	18	Needle bar rear on the right	237 836
1	Needle bed at the front + rearE12	258 455	19	Cover rail at the rear	250 572
3	Main trick wall E12	260 343	20	Cover rail at the front E12	250 593
4	Pressure slide E12-14	252 040	21	Cover rail	250 575
6	Spring steel wire ø2,0	207 269	22	Cover rail	250 576
7a	Needle E10 with round hook	205 398	28	Bush	206 090
7b	Coupling part E10 - E12	253 382	30	Needle bar on the left at the rear	253 908
9	Intermediate slider with brake E10-12	255 608	31	Needle bar on the right at the rear	253 910
10a	Selection jack E10-12	200 688	34	Stop screw	235 244
10b	Selector spring E10-12	200 691	506	Cap screw M5x8	023 379
11	Holding-down jack bed at the rear E12	250 545	507	Cap screw M5x22	023 193
12	Holding-down jack bed at the front E12	250 544	509	Setscrew M3,5x3-1	020 512
13	Knock-over bit E12	259 212	42*	Disk brush	202 600
14	Holding-down jack trick wallE12	259 213	43*	Adjusting bolt	251 772
17	Needle bar on the left at the front	237 835	540*	Cap screw M5x12	020 032



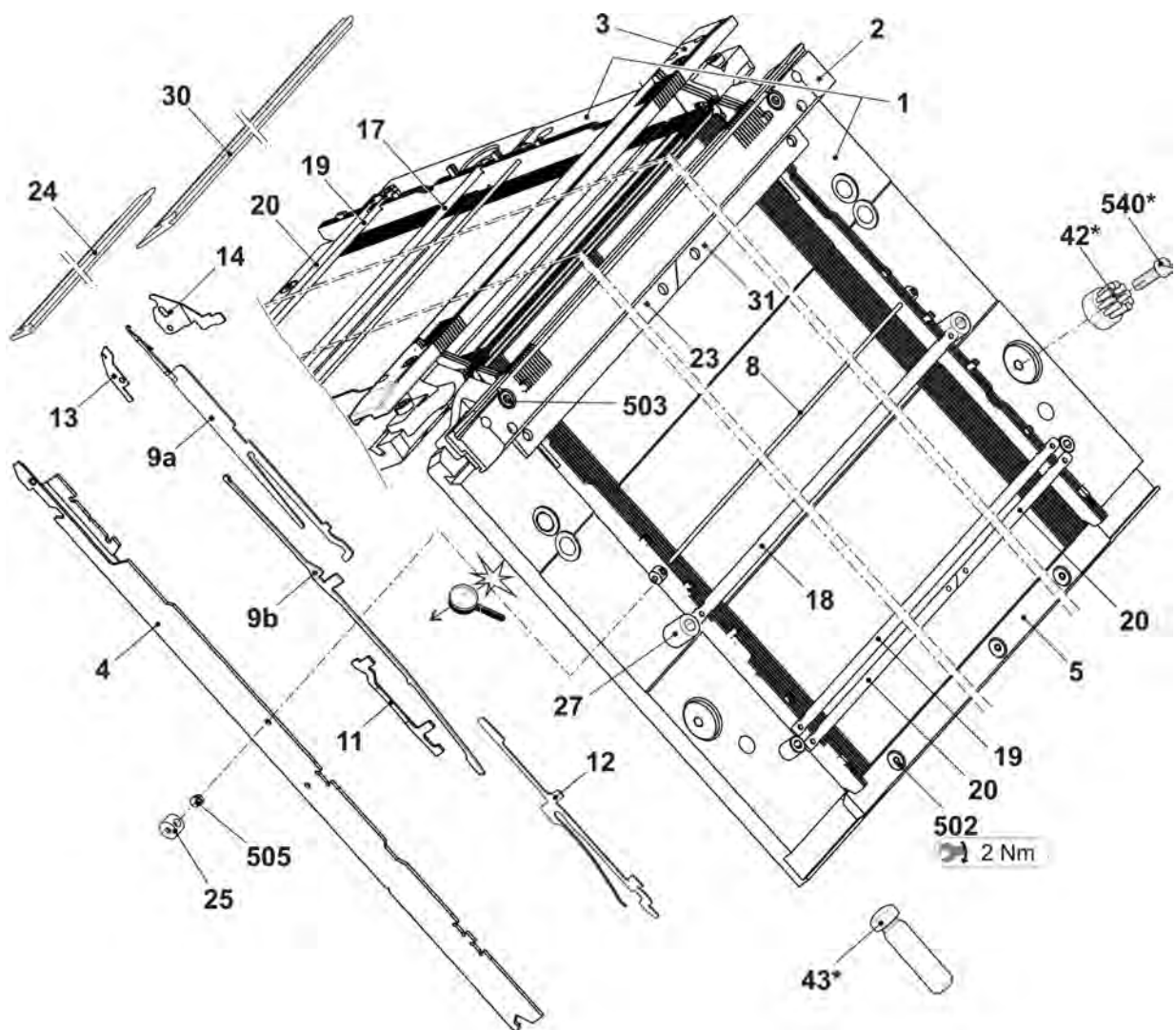
4.9.1 Continuation needle bed E6.2(12m.10)

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E12m.10	258 479	505	Cap screw M5x8-8.8	023 154
2	Locating wire ø3,4	208 389	507	Cap screw M5x22	023 193
5	Spring steel wire ø0,6	208 388	508	Cap screw M5x12-8.8	022 943
6	Spring steel wire ø2,0	207 269	513	Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764	517	Shim0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765	518	Shim0,1x18,5x34	023 197
26	Locating wire ø2,8	207 270	519	Shim0,2x18,5x34	023 253



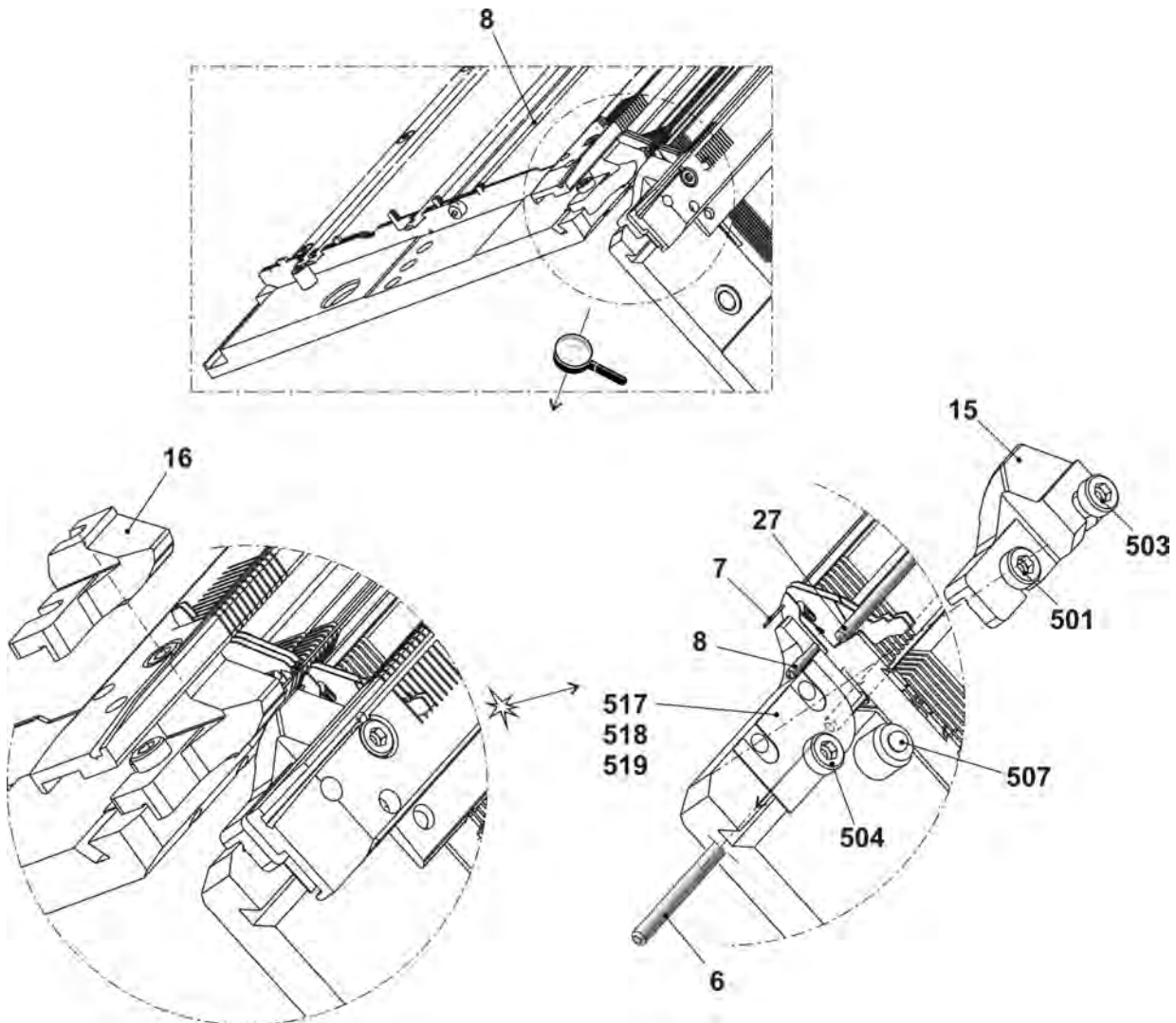
4.10 Needle bed E7.2(14/12)

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rearE14/12	258 480			
1	Needle bed at the front + rearE14	258 456	19	Cover rail	250 575
2	Holding-down jack bed at the front E14	250 546	20	Cover rail	250 576
3	Holding-down jack bed at the rear E14	250 547	23	Needle bar on the left at the front	237 835
4	Main trick wall E14	260 344	24	Needle bar rear on the right	237 836
5	Pressure slide E12-14	252 040	25	Bush	206 090
8	Spring steel wire ø2,0	207 269	27	Stop screw	235 244
9a	Needle E14/12	227 756	30	Needle bar on the left at the rear	253 908
9b	Coupling part E14	253 383	31	Needle bar on the right at the rear	253 910
11	Intermediate slider with brake E14	255 536	502	Cap screw M4-M5x8	023 379
12	Selection jack with spring E14	224 725	503	Cap screw M5x22	023 193
13	Knock-over bit E14	209 649	505	Setscrew M3,5x3-1	020 512
14	Holding-down jack trick wallE14	235 262	42*	Disk brush	202 600
17	Cover rail at the rear	250 572	43*	Adjusting bolt	251 772
18	Cover rail at the front E14	250 571	540*	Cap screw M5x12	020 032



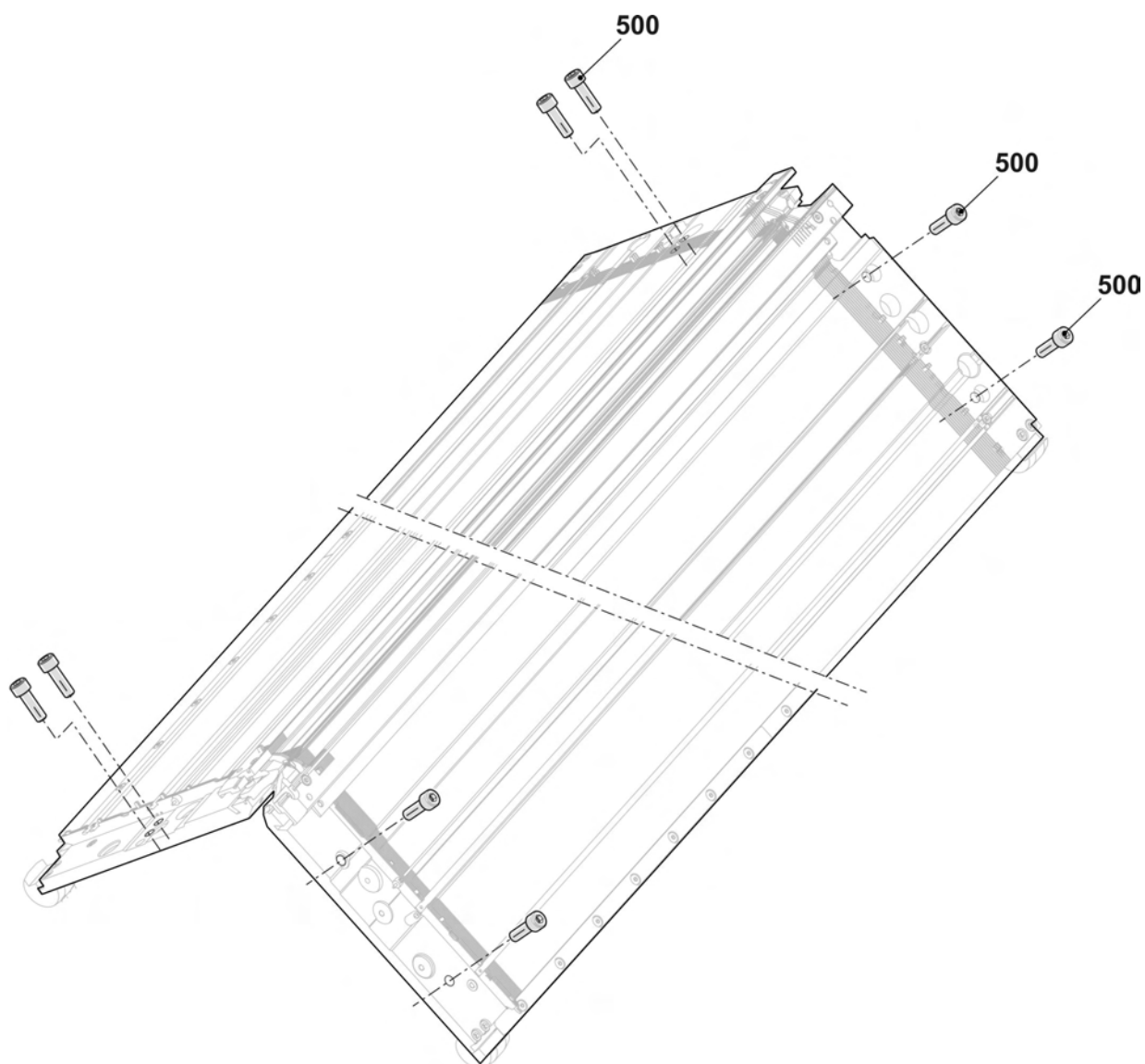
4.10.1 Continuation needle bed E7.2(14/12)

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E14/12	258 480	501	Cap screw M5x8-8.8	023 154
6	Locating wire ø3,4	208 389	503	Cap screw M5x22	023 193
7	Spring steel wire ø0,6	208 388	504	Cap screw M5x12-8.8	022 943
8	Spring steel wire ø2,0	207 269	507	Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764	510	Shim0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765	511	Shim0,1x18,5x34	023 197
27	Locating wire ø2,8	207 270	512	Shim0,2x18,5x34	023 253



4.11 Needle beds, connection screws

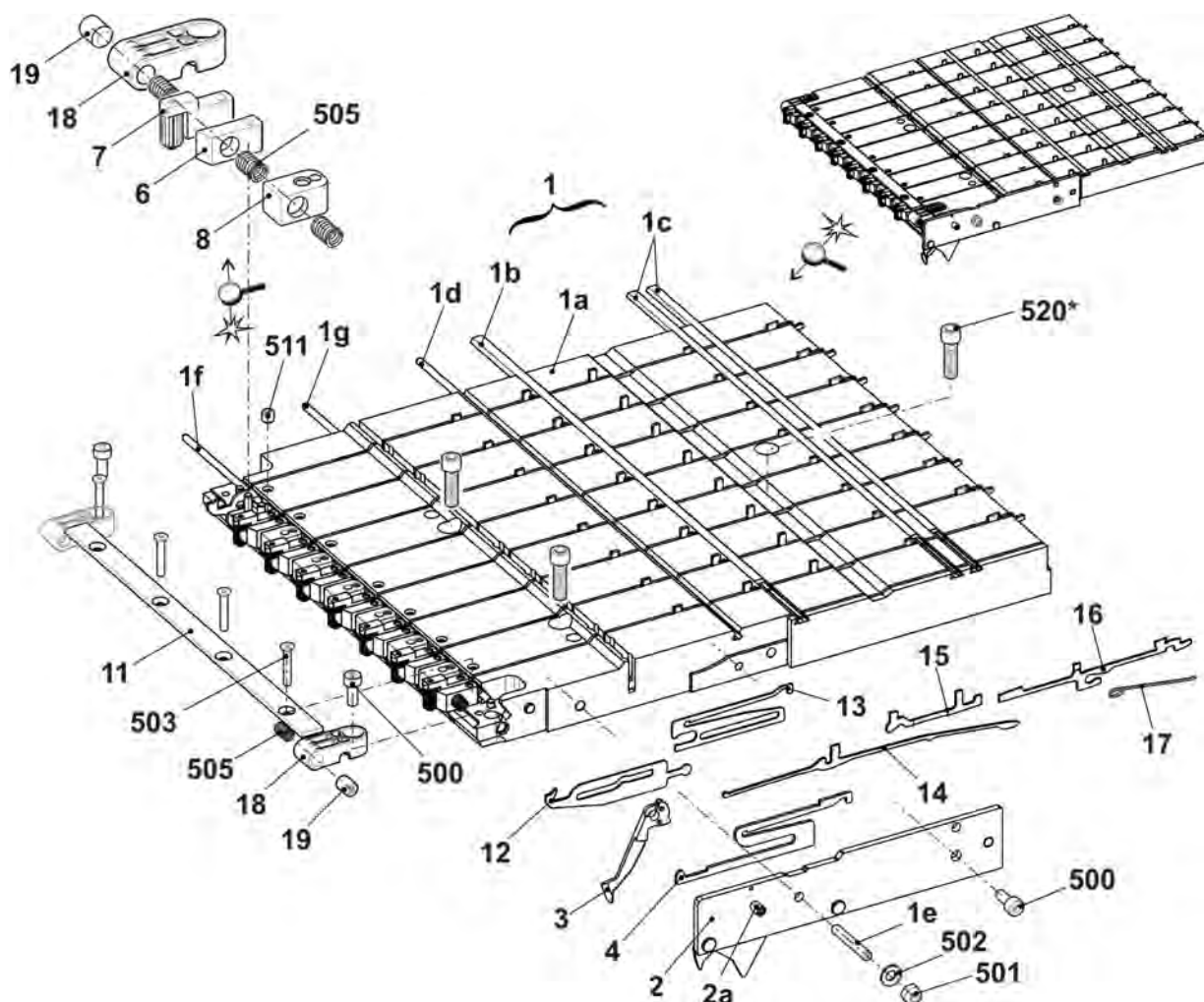
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Connection screws		500	Cap screw M8x25	020 142



4.12 Right clamping and cutting bed

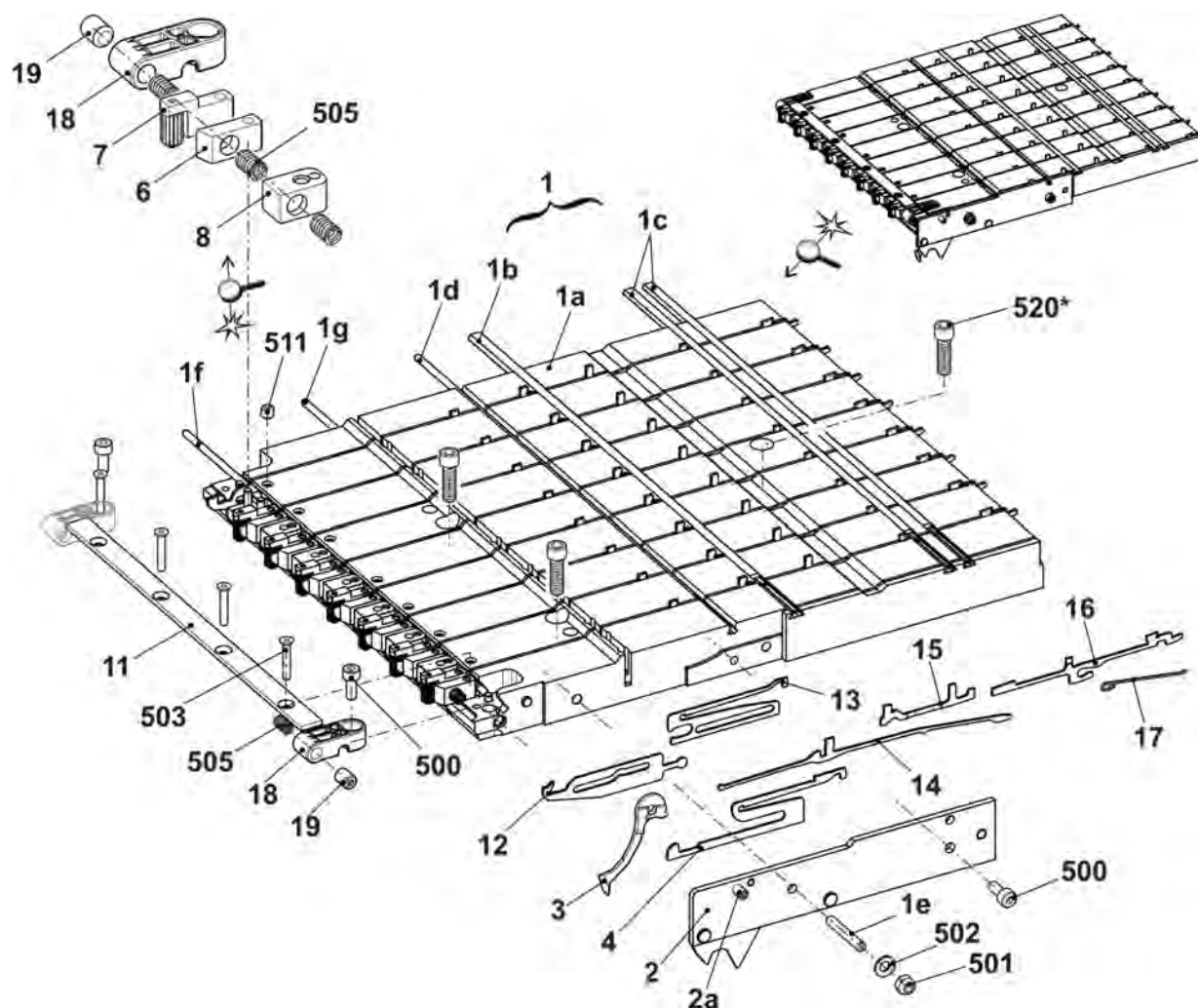
E10 | E12 | E14 | E6.2 | E7.2 | E6.2(E12m.10) | E14/12

Pos	Designation	ID	Pos	Designation	ID
Σ	Clamping and cutting bed on the right E10-14	253 161	8	Intermediate piece	255 719
1	Guide plate EPT on the right E5-14	257 193	11	Holding strip	253 176
1a	Guide plate on the right E5-14	257 189	12	Catch needle on the right E5-14	255 692
1b	Cover rail	253 173	13	Intermediate part E10-14	244 591
1c	Cover rail	253 174	14	Coupling part E5-8	253 381
1d	Locating wire	253 172	15	Intermediate slider with brake E5-8	255 534
1e	Guide pin	211 351	16	Selection jack E4-8	200 687
1f	Locating wire	253 171	17	Selector spring E4-8	200 690
1g	Locating wire	215 927	18	Spring holder	255 724
511	Setscrew M5x5	236 061	19	Threaded bolt	255 723
2	Cover on the right complete E5-14	260 966	500	Cap screw M4x10	023 136
2a	Springy thrust piece N4	260 235	501	Hexagon nut M4	023 046
3	Catch hook on the right complete E5-18	260 968	502	Washer 4	020 870
4	Slider E5-14	258 050	503	Pan-head screw M3x18	242 728
6	Blade	243 948	505	Compression spring 07x4,3x12,1	023 521
7	Clamp on the right complete	244 602	520*	Cap screw M6x20	244 824



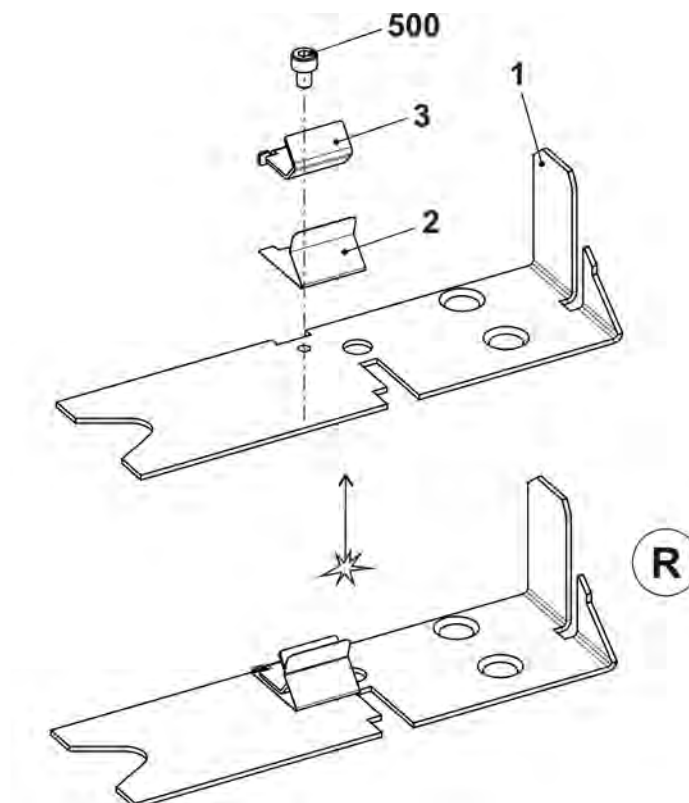
4.13 Right clamping and cutting bed E16|E18|E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Clamping and cutting bed on the right E16-18	253 163	8	Intermediate piece	255 719
1	Guide plate EPT on the right E16-18	257 195	11	Holding strip	253 176
1a	Guide plate on the right E16-18	257 191	12	Catch needle on the right E16-18	255 693
1b	Cover rail	253 173	13	Intermediate part	244 741
1c	Cover rail	253 174	14	Coupling part E10-12	253 382
1d	Locating wire	253 172	15	Intermediate slider with brake E10-12	255 535
1e	Guide pin	211 351	16	Selection jack E10-12	200 688
1f	Locating wire	253 171	17	Selector spring E10-12	200 691
1g	Locating wire	215 927	18	Spring holder	255 724
511	Setscrew M5x5	236 061	19	Threaded bolt	255 723
2	Cover on the right complete E16-18	259 406	500	Cap screw M4x10	023 136
2a	Springy thrust piece	260 235	501	Hexagon nut M4	023 046
3	Catch hook on the right E10-18	259 310	502	Washer 4	020 870
4	Slider E16-18	259 309	503	Pan-head screw M3x18	242 728
6	Blade	243 948	505	Compression spring 07x4,3x12,1	023 521
7	Clamp on the right complete	244 602	520*	Cap screw M6x20	244 824

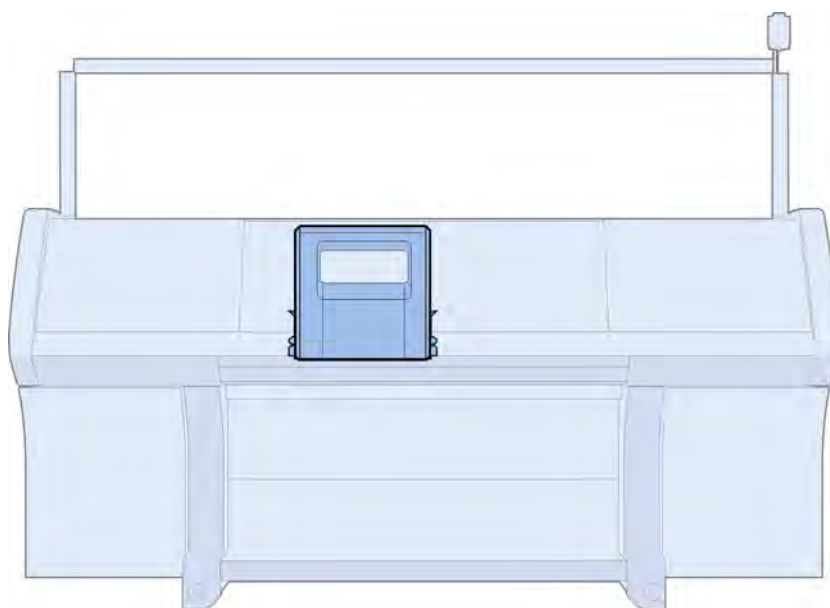


4.14 Yarn brake at clamping and cutting bed

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

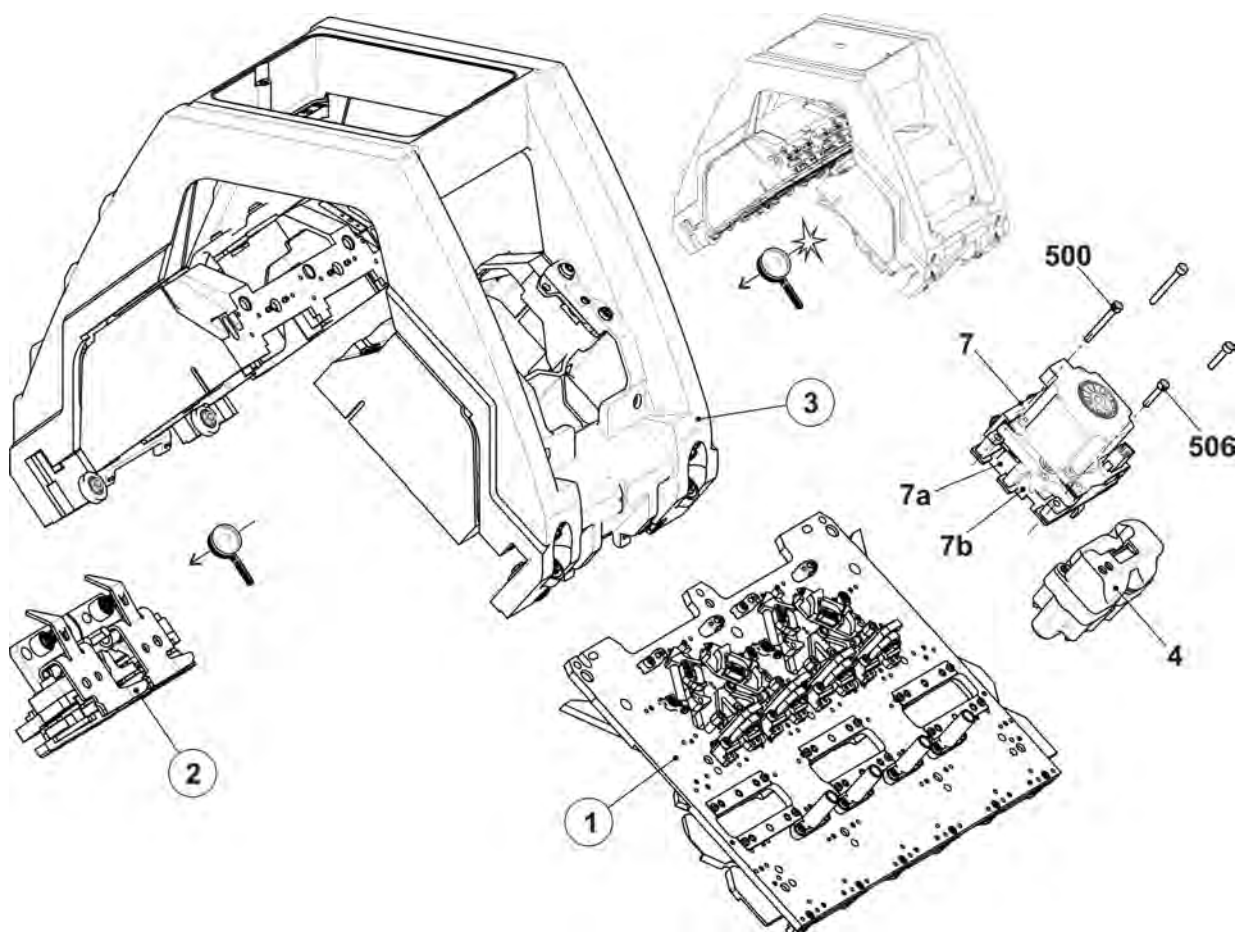


5 Carriage



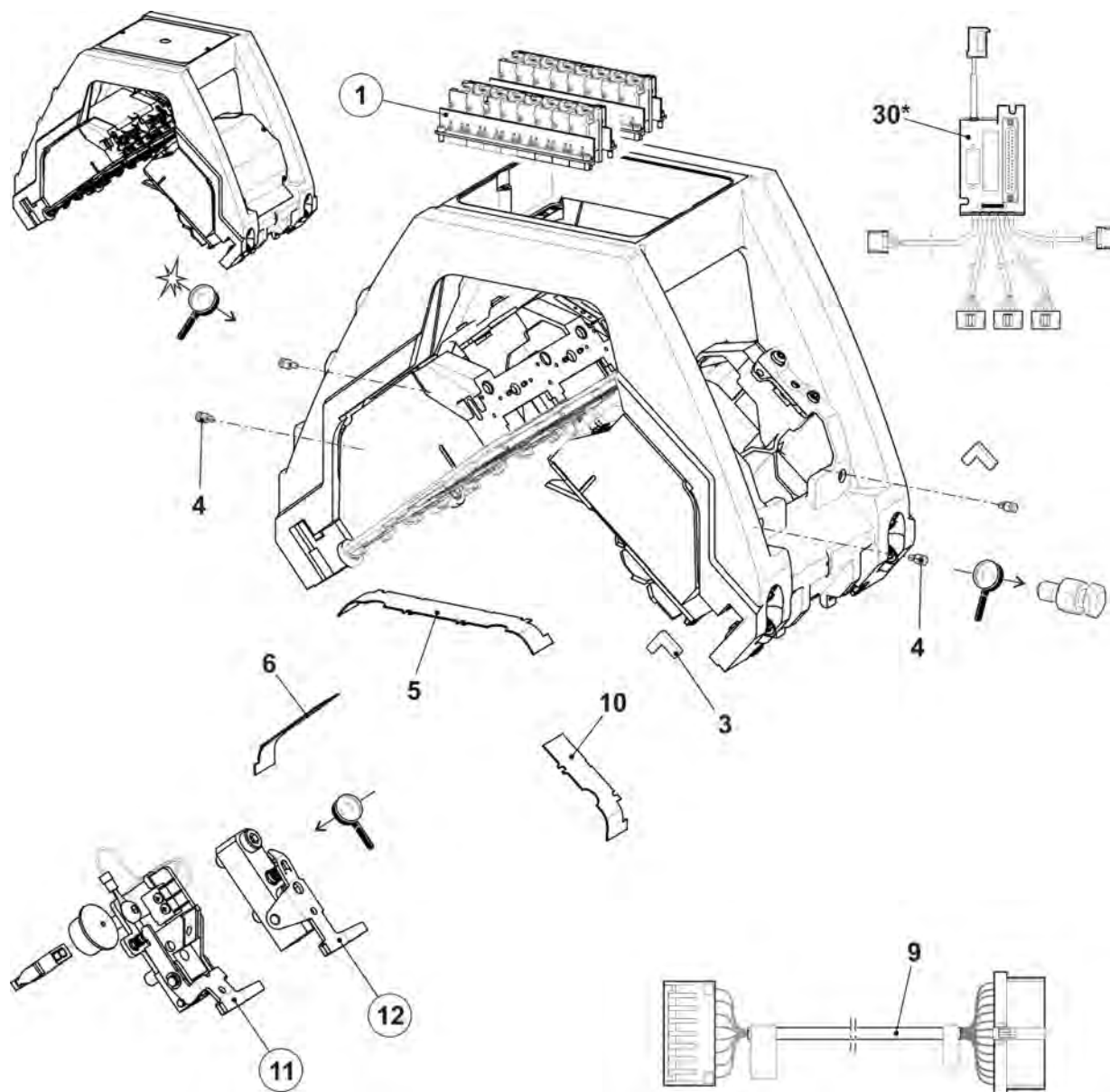
5.1 Overview of carriage

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Carriage complete		1	Cam box complete	
	E10	261 957	E10	265 224	
	E12	258 467	E12	265 225	
	E14 E14/12	258 468	E14 E14/12	265 226	
	E16 E18	258 469	E16 E18	265 227	
	E12m.10	258 470	E12m.10	265 228	
	E6.2	258 472	E6.2	265 229	
	E7.2	258 473	E7.2	265 230	
	E8.2	258 474	E8.2	265 231	
2	Holding-down jack control completeE10	256 306	4	Selection system completeE14 (E7.2)	229 300
	Holding-down jack control completeE12-14, 6.2	256 307		Selection system completeE16-18 (E8.2)	220 114
	Holding-down jack control completeE16-18	256 308	7	Motor unit ATM complete	251 827
	Holding-down jack control completeE7.2	256 309	7a	Gear rack at the top complete	251 817
	Holding-down jack control completeE8.2	256 310	7b	Gear rack at the bottom complete	251 818
3	Carriage assembly 2 cam boxes complete 5 inches 502	258 453	500	Cap screw M4x35	023 550
4	Selection system completeE10-12 (E6.2)	216 219	506	Cap screw M4x20	023 290



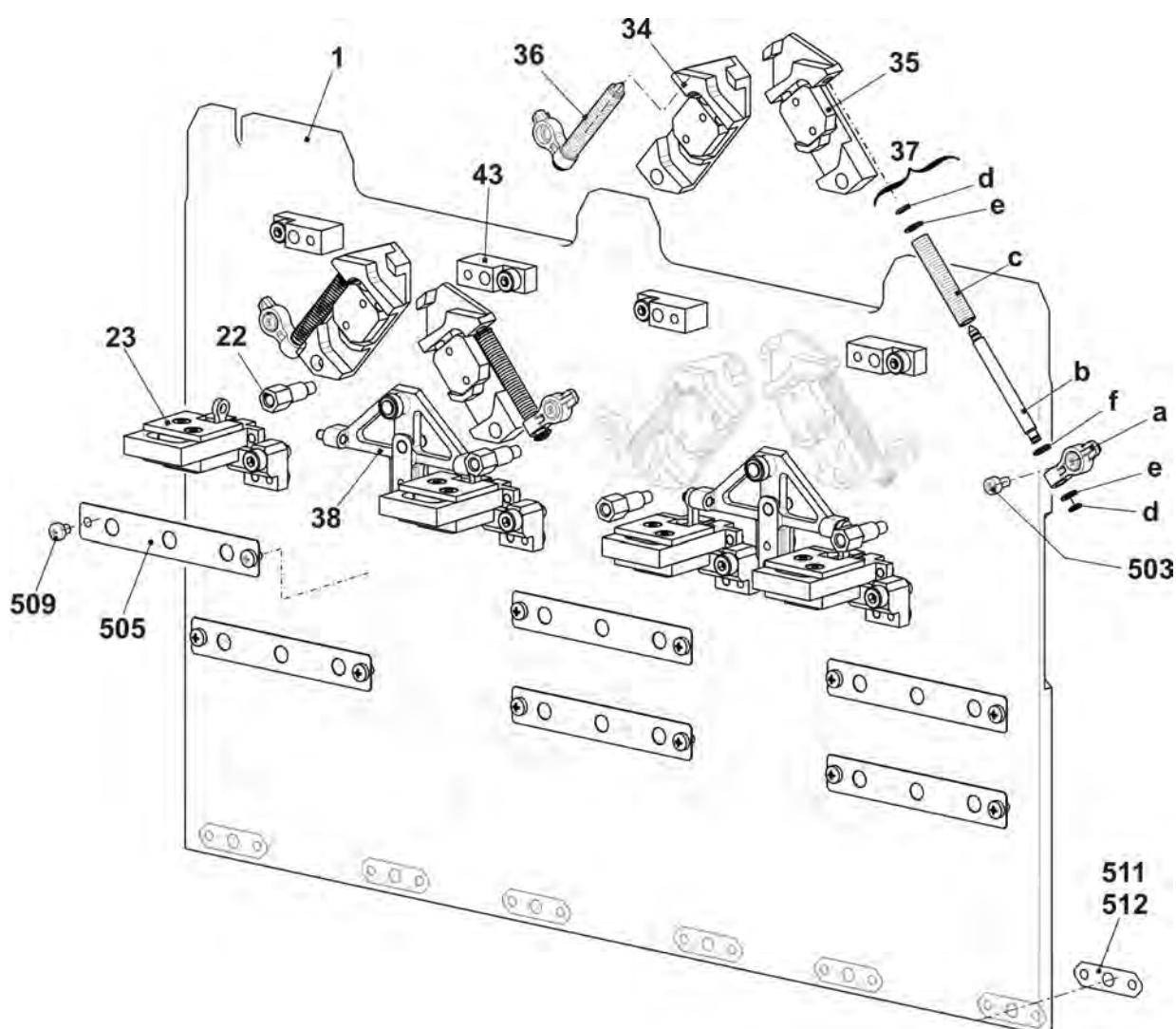
5.2 Overview of carriage, continuation

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Carriage complete				
1	FF driving outside complete	241 080	9	Cable connection YC output stage OKC	240 651
3	Wiper felt	241 411	10	Cover plate at the bottom	251 127
4	Bolts	212 392	11	Needle detector pre-assembled E10-18	256 475
5	Cover plate at the top	250 594	12	Sinker opener complete	256 623
6	Cover plate at the bottom	250 595	30*	Distributor 2S-5Z OKC3	255 695



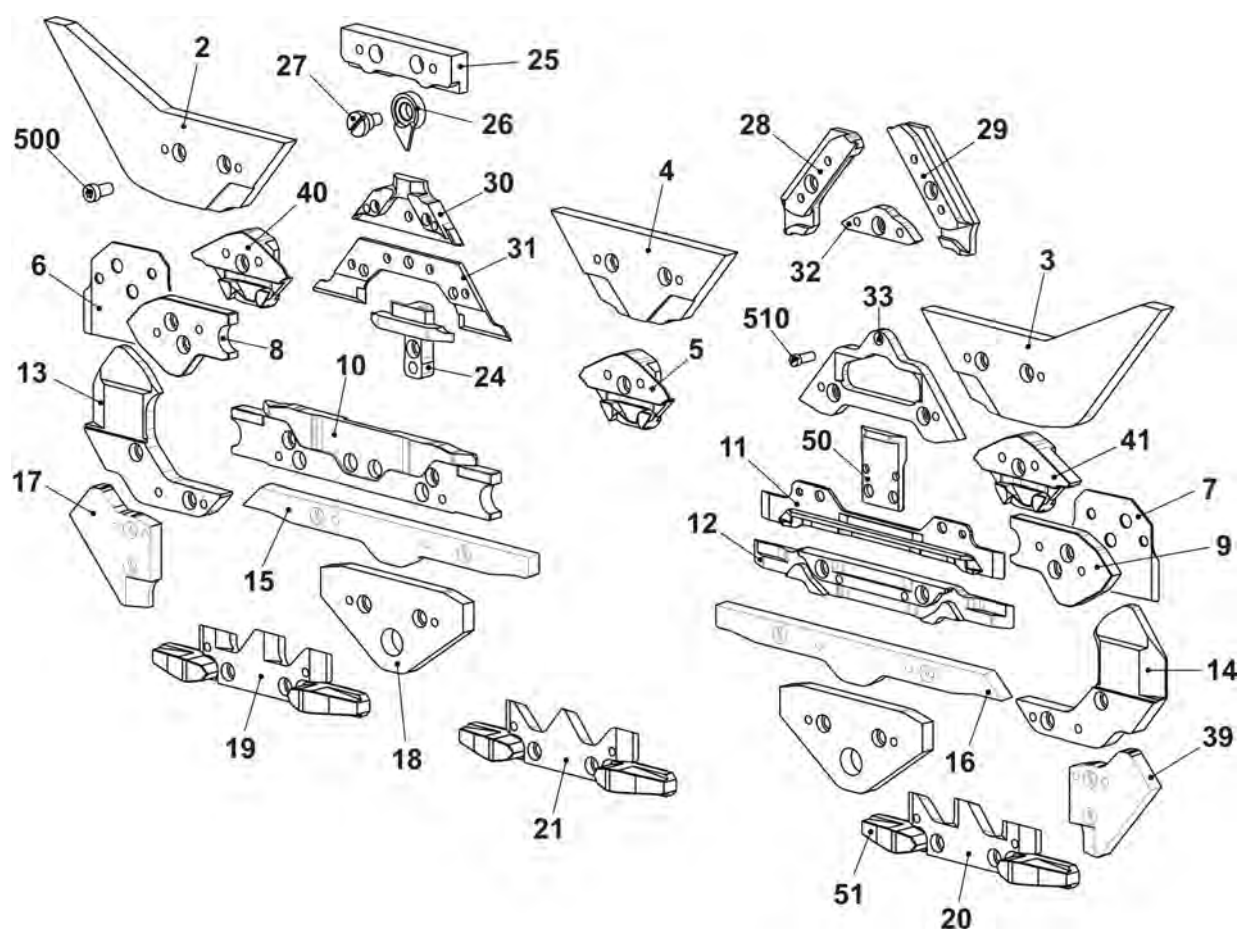
5.3 Cam box E10

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box complete E10	265 224	37	d Circlip	023 565
1	Cam plate E10-18	264 748	e	Disk	259 647
22	Stay bolt	254 839	f	Washer	022 893
23	Guide of pressure part complete	253 480	38	Slider pressure part complete	251 834
34	Loop sinking cam on the left completeE10	254 246	43	Holding piece	251 828
35	Loop sinking cam on the right completeE10	254 247	503	Cap screw M3x6	022 589
36	Rod guide on the left complete	252 662	505	Shim0,5x12x75	236 654
37	Rod guide on the right complete	252 663	509	Pan-head screw M3x4	023 142
a	Rod guide part	258 148	511	Shim0,03x8x28	023 452
b	Spring rod	252 661	512	Shim0,05x8x28	023 020
c	Compression spring	257 082			



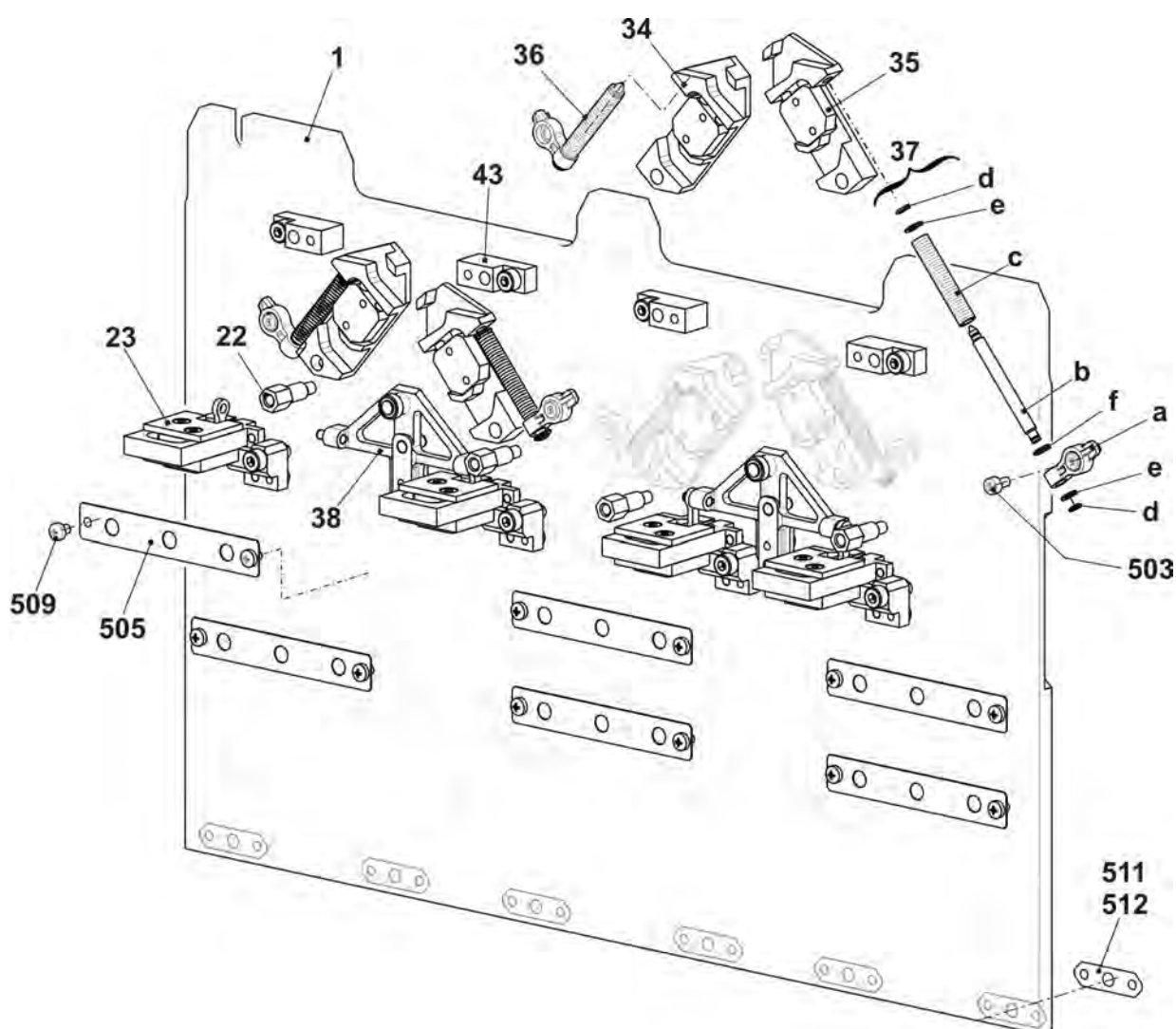
5.3.1 Cams E10

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	21	Selection cam E10-18	251 875
3	Entry cam on the right at the top E10-18	256 691	24	Tuck pressure part	253 828
4	Entry cam at the top E10-18	256 689	25	Limiting cam E10 E7.2	251 993
5	Knitting position cam E10-14 E6.2 E7.2	255 021	26	Pointer E10	251 994
6	Plate on the left E10-18	255 389	27	Screw	210 335
7	Plate on the right E10-18	255 390	28	Stitch cam on the left E10-14 E7.2	254 331
8	Entry cam on the left E10-18	255 391	29	Stitch cam on the right E10-14 E7.2	254 332
9	Entry cam on the right E10-18	255 392	30	Tuck limiting cam E10 E7.2	254 295
10	Pressure strip E10-14	255 540	31	Raising cam plate E10-18	251 992
11	Cam guide at the top E10-18	258 161	32	Receiving cam E10 E12	251 997
12	Cam guide E10-18	255 541	33	Raising cam without split-stitch E10 E12	254 334
13	Cam on the left E10-18	255 613		Raising cam with split-stitch E10 E12	254 335
14	Cam at the right E10-18	255 614	39	Cam at the right E10-18	259 769
15	Limiting cam on the left	264 051	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
16	Limiting cam on the right	264 052	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
17	Cam on the left E10-18	259 768	50	Transfer pressure part	253 838
18	Cam E10-18	258 152	51	Offering cam	210 185
19	Selection cam on the left E10-18	251 876	500	Cap screw M4x8	020 091
20	Selection cam on the right E10-18	251 877	510	Cap screw M3x8	020 081



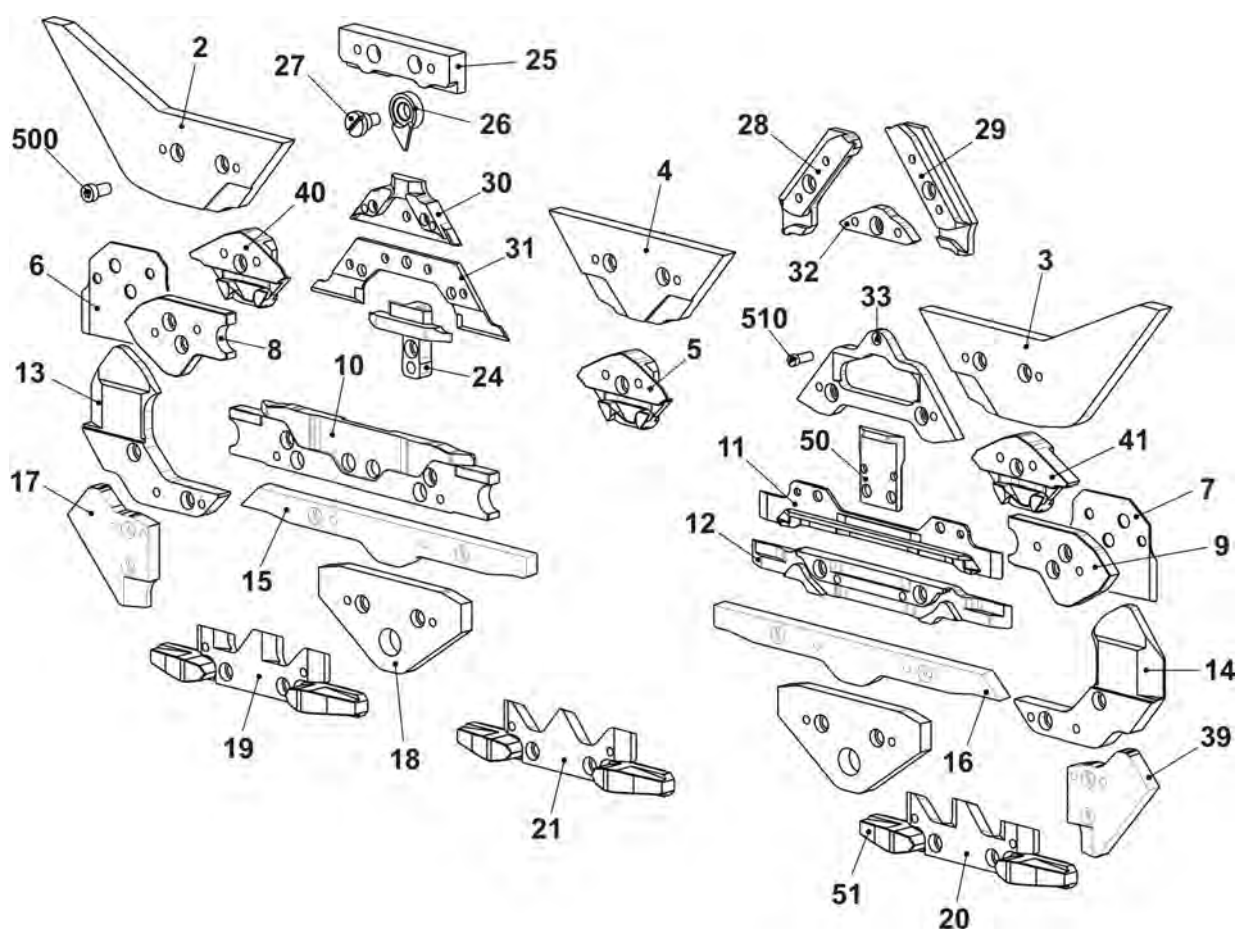
5.4 Cam box E12

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box set complete E12	265 225			
1	Cam plate E10-18	264 748	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure part complete	253 480		f Washer	022 893
34	Loop sinking cam on the left completeE12-14	254 248	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right completeE12-14	254 249	43	Holding piece	251 828
36	Rod guide on the left complete	252 662	503	Cap screw M3x6	022 589
37	Rod guide on the right complete	252 663	505	Shim0,5x12x75	236 654
a	Rod guide part	258 148	509	Pan-head screw M3x4	023 142
b	Spring rod	252 661	511	Shim0,03x8x28	023 452
c	Compression spring	257 082	512	Shim0,05x8x28	023 020



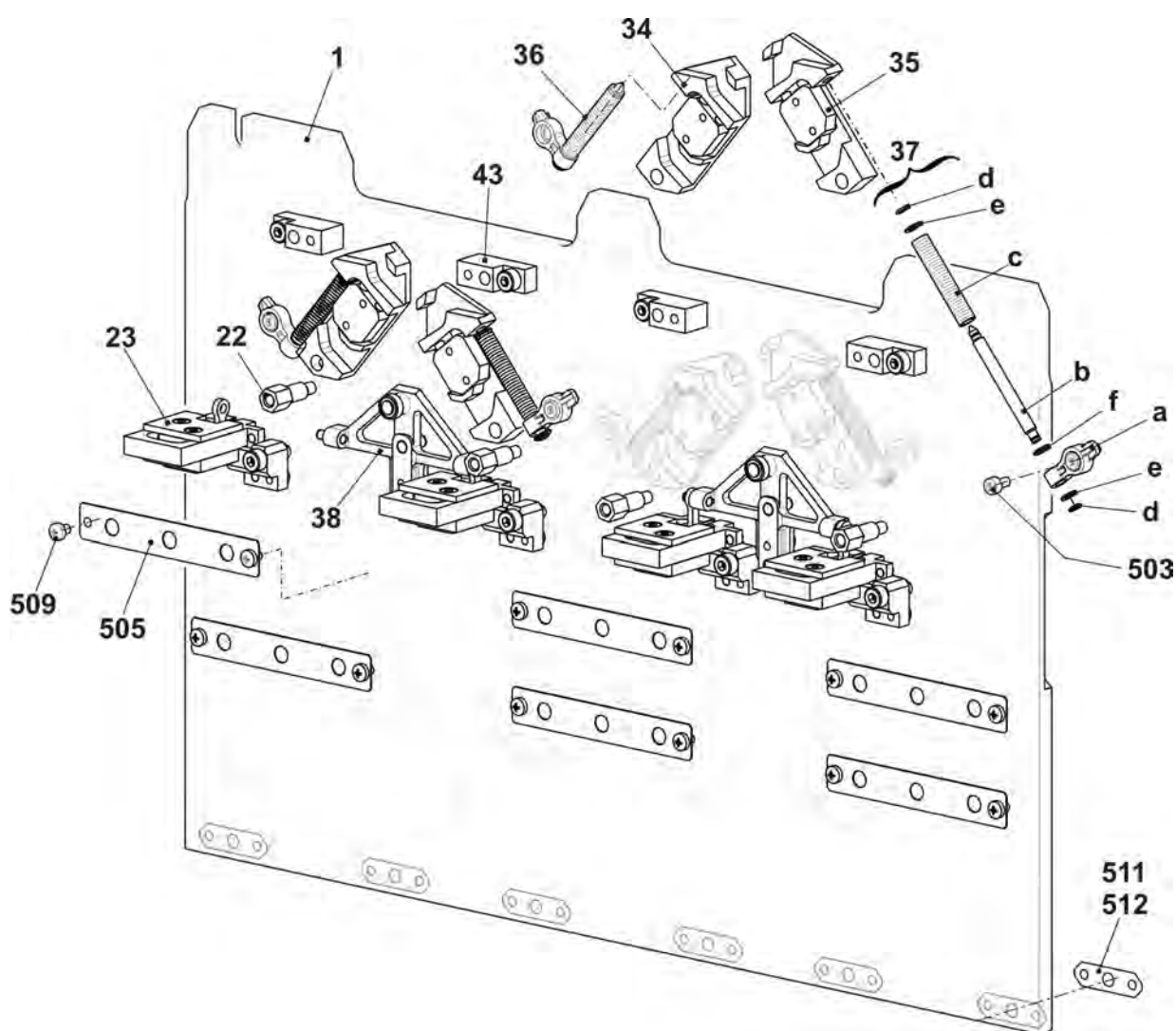
5.4.1 Cams E12

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	21	Selection cam E10-18	251 875
3	Entry cam on the right at the top E10-18	256 691	24	Tuck pressure part	253 828
4	Entry cam at the top E10-18	256 689	25	Limiting cam E12-14	252 522
5	Knitting position cam E10-14 E6.2 E7.2	255 021	26	Pointer E10	251 994
6	Plate on the left E10-18	255 389	27	Screw	210 335
7	Plate on the right E10-18	255 390	28	Stitch cam on the left E10-14 E7.2	254 331
8	Entry cam on the left E10-18	255 391	29	Stitch cam on the right E10-14 E7.2	254 332
9	Entry cam on the right E10-18	255 392	30	Tuck limiting cam E12-14	254 298
10	Pressure strip E10-14	255 540	31	Raising cam plate E10-18	251 992
11	Cam guide at the top E10-18	258 161	32	Receiving cam E10 E12	251 997
12	Cam guide E10-18	255 541	33	Raising cam without split-stitch E10 E12	254 334
13	Cam on the left E10-18	255 613		Raising cam with split-stitch E10 E12	254 335
14	Cam at the right E10-18	255 614	39	Cam at the right E10-18	259 769
15	Limiting cam on the left	264 051	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
16	Limiting cam on the right	264 052	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
17	Cam on the left E10-18	259 768	50	Transfer pressure part	253 838
18	Cam E10-18	258 152	51	Offering cam	210 185
19	Selection cam on the left E10-18	251 876	500	Cap screw M4x8	020 091
20	Selection cam on the right E10-18	251 877	510	Cap screw M3x8	020 081



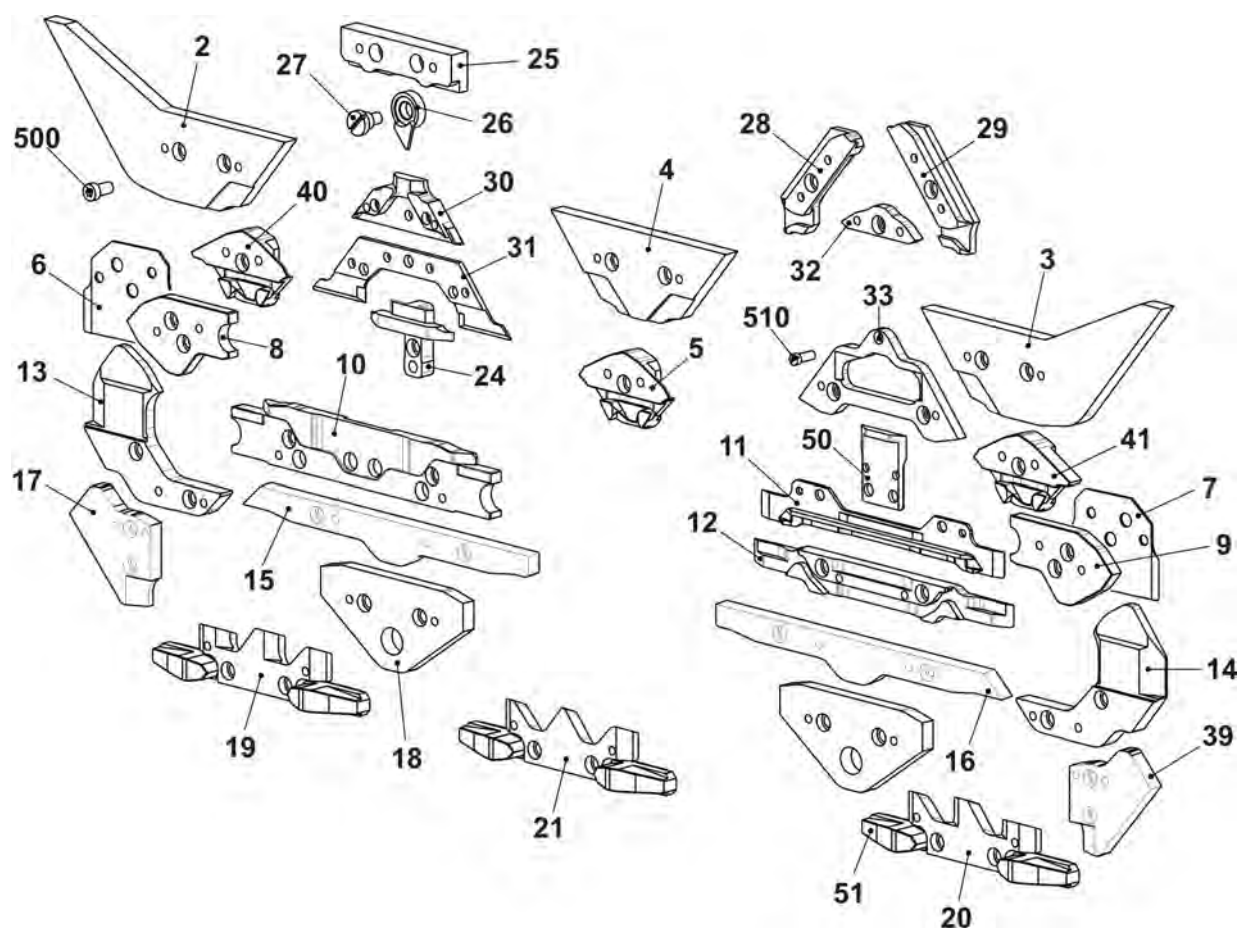
5.5 Cam box E14 | E14/12

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box complete E14	265 226			
1	Cam plate E10-18	264 748	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure part complete	253 480		f Washer	022 893
34	Loop sinking cam on the left completeE12-14	254 248	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right completeE12-14	254 249	43	Holding piece	251 828
36	Rod guide on the left complete	252 662	503	Cap screw M3x6	022 589
37	Rod guide on the right complete	252 663	505	Shim0,5x12x75	236 654
a	Rod guide part	258 148	509	Pan-head screw M3x4	023 142
b	Spring rod	252 661	511	Shim0,03x8x28	023 452
c	Compression spring	257 082	512	Shim0,05x8x28	023 020



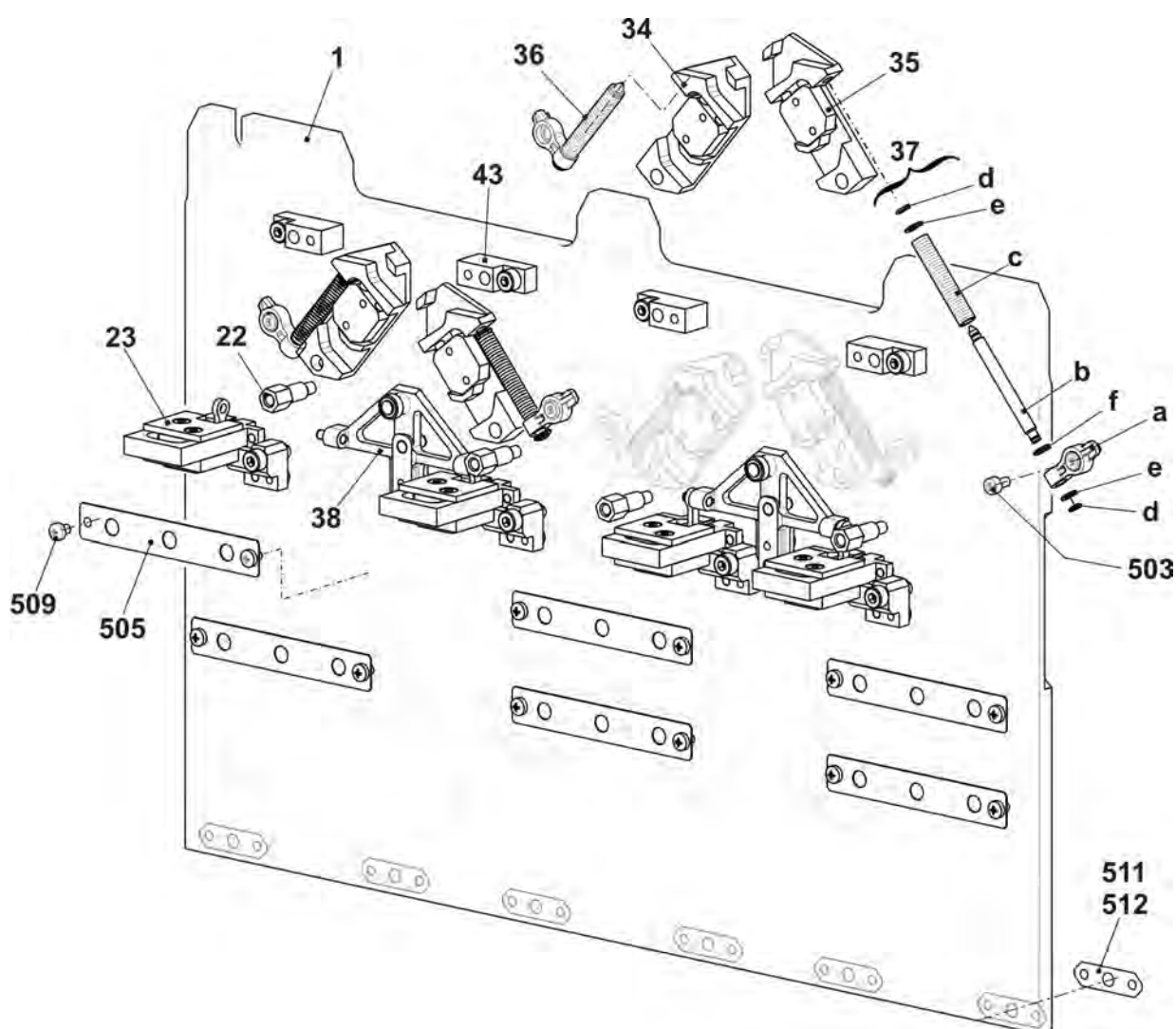
5.5.1 Cams E14 | E14/12

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	21	Selection cam E10-18	251 875
3	Entry cam on the right at the top E10-18	256 691	24	Tuck pressure part	253 828
4	Entry cam at the top E10-18	256 689	25	Limiting cam E12-14	252 522
5	Knitting position cam E10-14 E6.2 E7.2	255 021	26	Pointer E10	251 994
6	Plate on the left E10-18	255 389	27	Screw	210 335
7	Plate on the right E10-18	255 390	28	Stitch cam on the left E10-14 E7.2	254 331
8	Entry cam on the left E10-18	255 391	29	Stitch cam on the right E10-14 E7.2	254 332
9	Entry cam on the right E10-18	255 392	30	Tuck limiting cam E12 E14	254 298
10	Pressure strip E10-14	255 540	31	Raising cam plate E10-18	251 992
11	Cam guide at the top E10-18	258 161	32	Receiving cam E14	252 607
12	Cam guide E10-18	255 541	33	Raising cam without split-stitch E14	254 336
13	Cam on the left E10-18	255 613		Raising cam with split-stitch E14	254 337
14	Cam at the right E10-18	255 614	39	Cam at the right E10-18	259 769
15	Limiting cam on the left	264 051	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
16	Limiting cam on the right	264 052	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
17	Cam on the left E10-18	259 768	50	Transfer pressure part	253 838
18	Cam E10-18	258 152	51	Offering cam	210 185
19	Selection cam on the left E10-18	251 876	500	Cap screw M4x8	020 091
20	Selection cam on the right E10-18	251 877	510	Cap screw M3x8	020 081



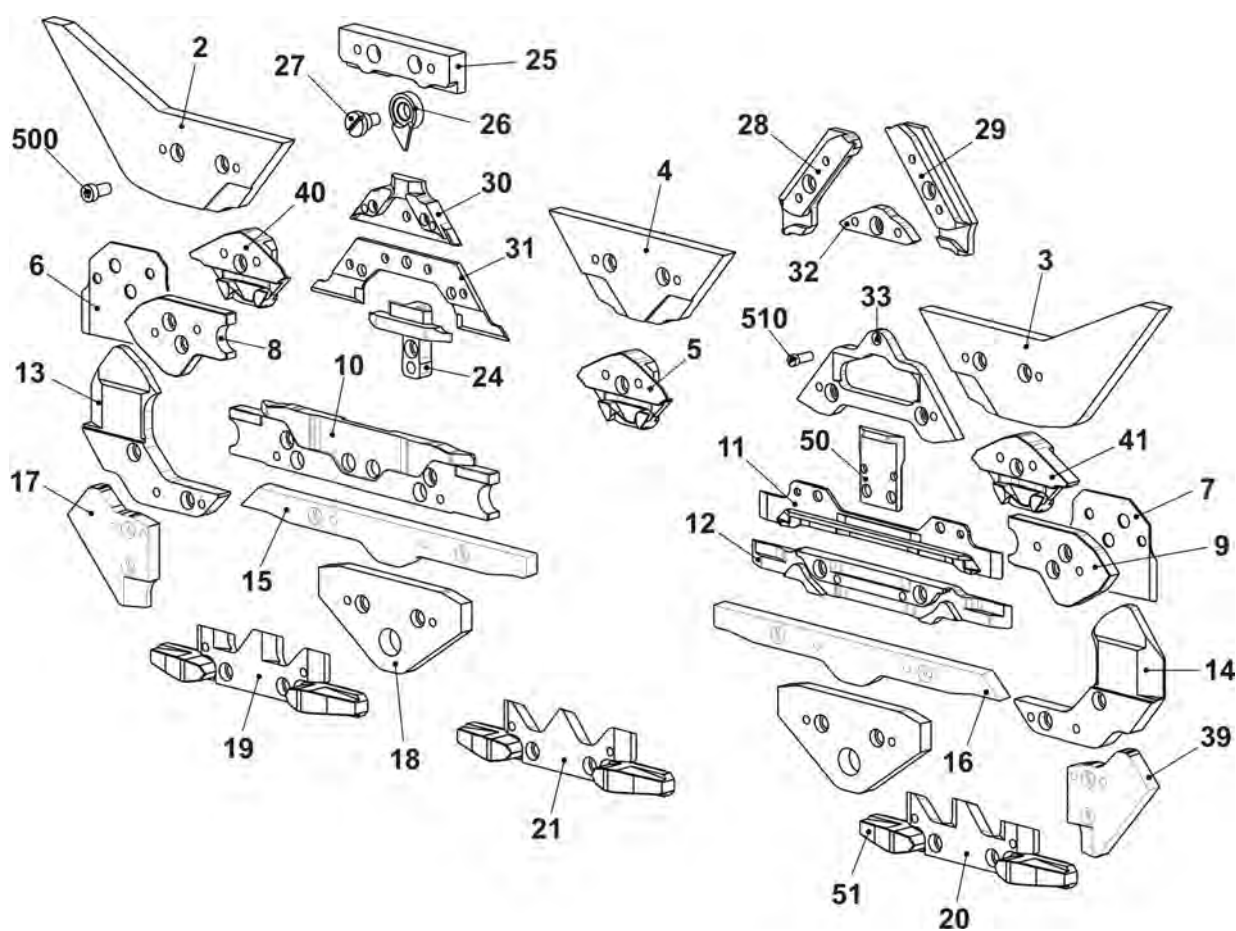
5.6 Cam box E16|E18

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box complete E16-E18	265 227			
1	Cam plate E10-18	264 748	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure part complete	253 480		f Washer	022 893
34	Loop sinking cam on the left completeE16-18	251 965	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right completeE16-18	251 966	43	Holding piece	251 828
36	Rod guide on the left complete	252 662	503	Cap screw M3x6	022 589
37	Rod guide on the right complete	252 663	505	Shim0,5x12x75	236 654
a	Rod guide part	258 148	509	Pan-head screw M3x4	023 142
b	Spring rod	252 661	511	Shim0,03x8x28	023 452
c	Compression spring	257 082	512	Shim0,05x8x28	023 020



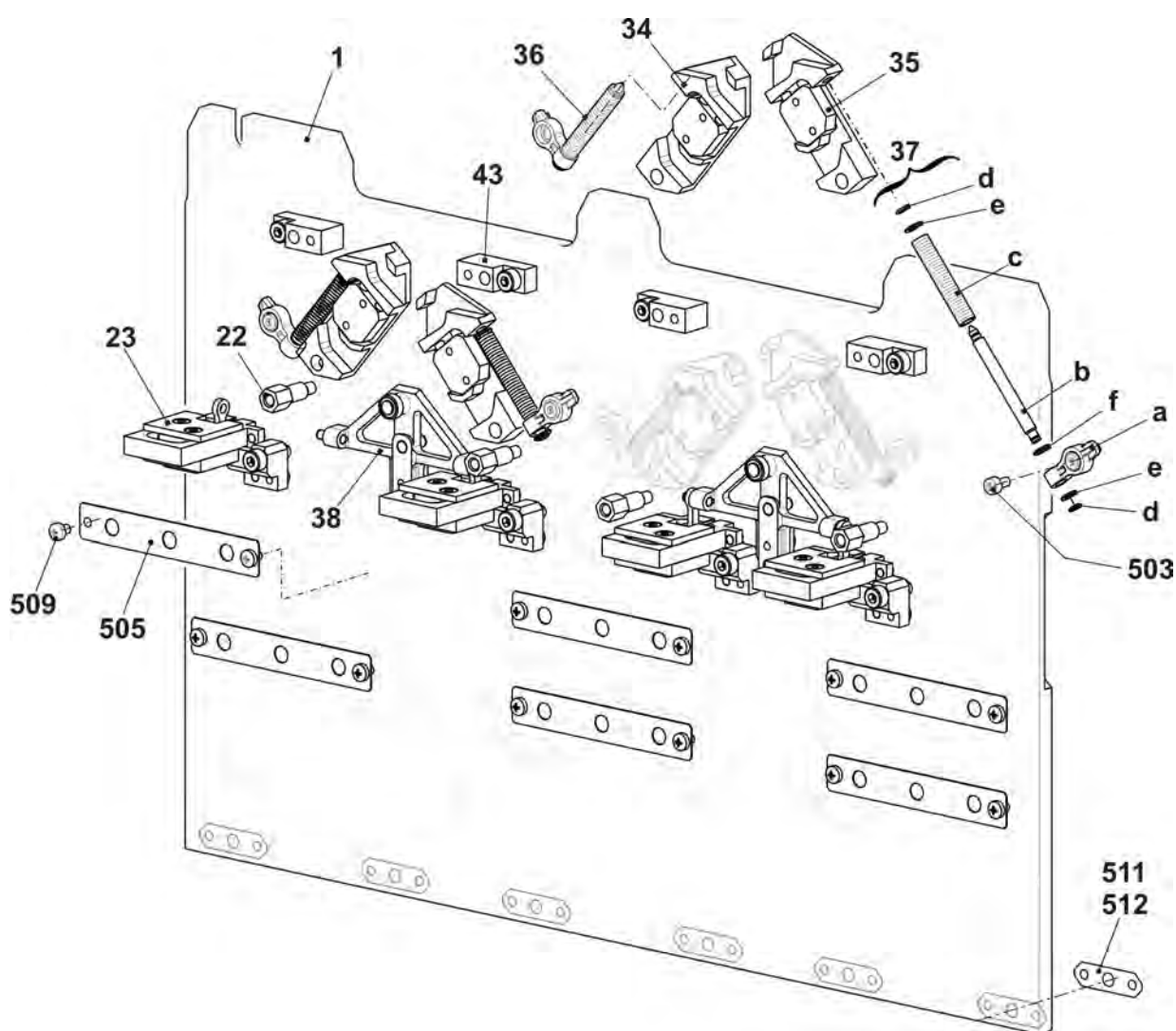
5.6.1 Cams E16 | E18

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	21	Selection cam E10-18	251 875
3	Entry cam on the right at the top E10-18	256 691	24	Tuck pressure part	253 828
4	Entry cam at the top E10-18	256 689	25	Limiting cam E16-18	252 646
5	Knitting position cam E16-18 E8.2	255 027	26	Pointer E16-18	252 656
6	Plate on the left E10-18	255 389	27	Screw	210 335
7	Plate on the right E10-18	255 390	28	Stitch cam on the left E16-18 E8.2	254 338
8	Entry cam on the left E10-18	255 391	29	Stitch cam on the right E16-18 E8.2	254 339
9	Entry cam on the right E10-18	255 392	30	Tuck limiting cam E16-18	254 299
10	Pressure strip E16-18	256 681	31	Raising cam plate E10-18	251 992
11	Cam guide at the top E10-18	258 161	32	Receiving cam E16-18	252 654
12	Cam guide E10-18	255 541	33	Raising cam without split-stitch E16-18	254 340
13	Cam on the left E10-18	255 613		Raising cam with split-stitch E16-18	254 341
14	Cam at the right E10-18	255 614	39	Cam at the right E10-18	259 769
15	Limiting cam on the left	264 051	40	Knitting position cam on the left E16-18 E8.2	255 028
16	Limiting cam on the right	264 052	41	Knitting position cam on the right E16-18 E8.2	255 029
17	Cam on the left E10-18	259 768	50	Transfer pressure part	253 838
18	Cam E10-18	258 152	51	Offering cam	210 185
19	Selection cam on the left E10-18	251 876	500	Cap screw M4x8	020 091
20	Selection cam on the right E10-18	251 877	510	Cap screw M3x8	020 081



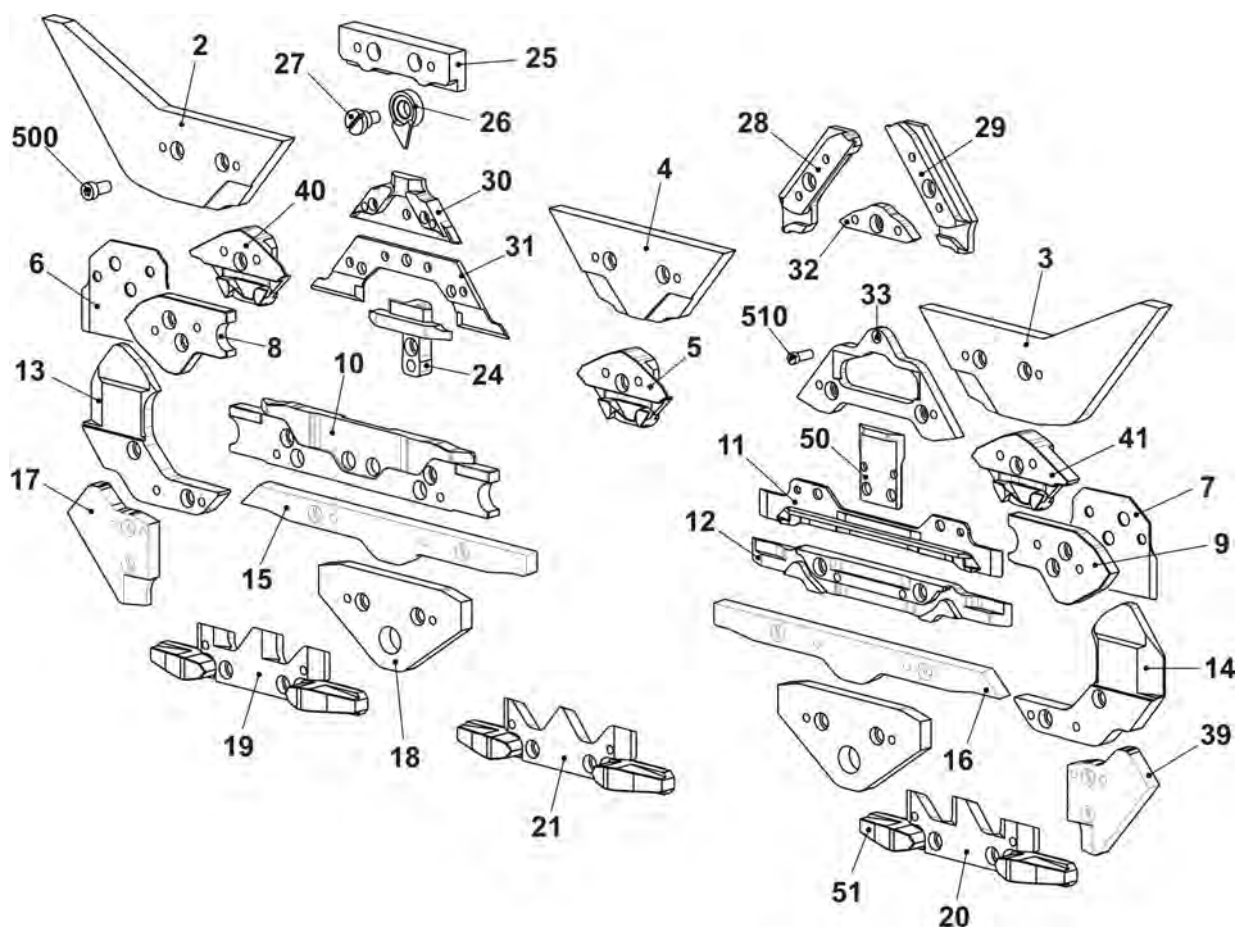
5.7 Cam box E12m.10

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box complete E12m.10	265 228			
1	Cam plate E10-18	264 748	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure part complete	253 480		f Washer	022 893
34	Loop sinking cam on the left completeE12-14	254 248	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right completeE12-14	254 249	43	Holding piece	251 828
36	Rod guide on the left complete	252 662	503	Cap screw M3x6	022 589
37	Rod guide on the right complete	252 663	505	Shim0,5x12x75	236 654
a	Rod guide part	258 148	509	Pan-head screw M3x4	023 142
b	Spring rod	252 661	511	Shim0,03x8x28	023 452
c	Compression spring	257 082	512	Shim0,05x8x28	023 020



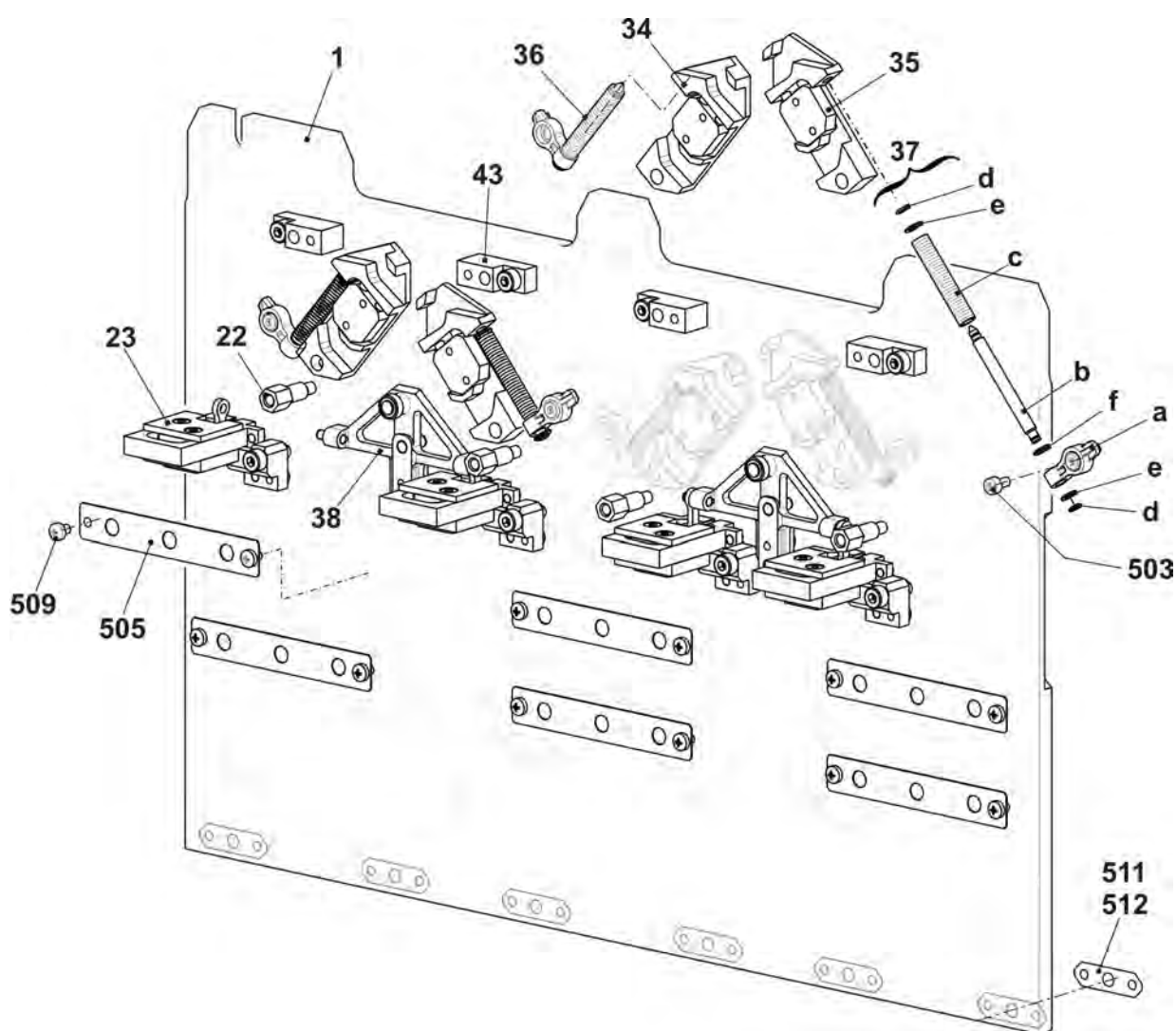
5.7.1 Cams E12m.10

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	21	Selection cam E10-18	251 875
3	Entry cam on the right at the top E10-18	256 691	24	Tuck pressure part	253 828
4	Entry cam at the top E10-18	256 689	25	Limiting cam E10 E7.2	251 993
5	Knitting position cam E10-14 E6.2 E7.2	255 021	26	Pointer E10	251 994
6	Plate on the left E10-18	255 389	27	Screw	210 335
7	Plate on the right E10-18	255 390	28	Stitch cam on the left E10-14 E7.2	254 331
8	Entry cam on the left E10-18	255 391	29	Stitch cam on the right E10-14 E7.2	254 332
9	Entry cam on the right E10-18	255 392	30	Tuck limiting cam E10 E7.2	254 295
10	Pressure strip E10-14	255 540	31	Raising cam plate E10-18	251 992
11	Cam guide at the top E10-18	258 161	32	Receiving cam E10-12	251 997
12	Cam guide E10-18	255 541	33	Raising cam without split-stitch E10-12	254 334
13	Cam E10-18	255 613		Raising cam with split-stitch E10-12	254 335
14	Cam at the right E10-18	255 614	39	Cam at the right E10-18	259 769
15	Limiting cam on the left	264 051	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
16	Limiting cam on the right	264 052	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
17	Cam on the left E10-18	259 768	50	Transfer pressure part	253 838
18	Cam E10-18	258 152	51	Offering cam	210 185
19	Selection cam on the left E10-18	251 876	500	Cap screw M4x8	020 091
20	Selection cam on the right E10-18	251 877	510	Cap screw M3x8	020 081



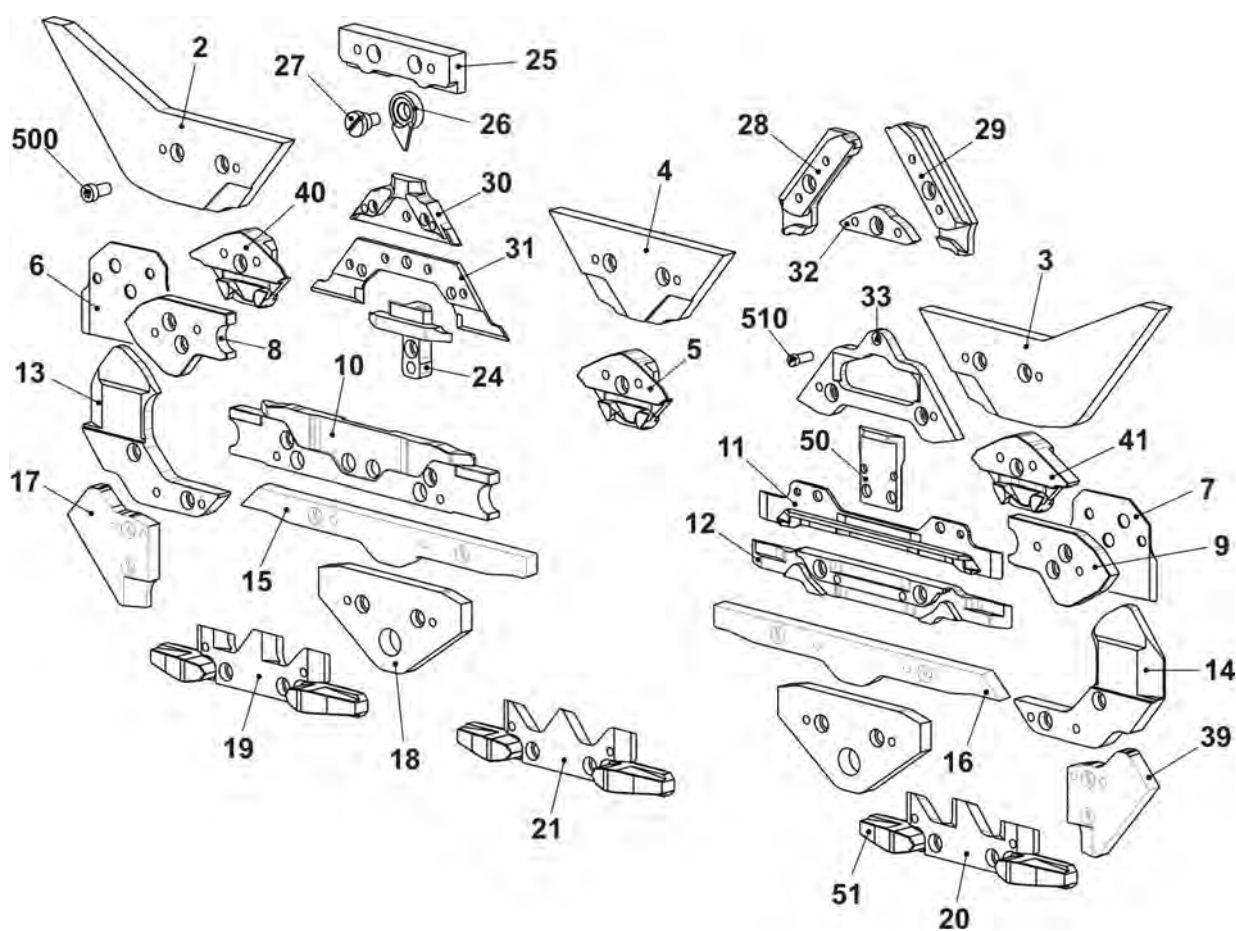
5.8 Cam box E6.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box complete E6.2	265 229			
1	Cam plate E10-18	264 748	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure part complete	253 480		f Washer	022 893
34	Loop sinking cam on the left completeE12-14	254 248	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right completeE12-14	254 249	43	Holding piece	251 828
36	Rod guide on the left complete	252 662	503	Cap screw M3x6	022 589
37	Rod guide on the right complete	252 663	505	Shim0,5x12x75	236 654
a	Rod guide part	258 148	509	Pan-head screw M3x4	023 142
b	Spring rod	252 661	511	Shim0,03x8x28	023 452
c	Compression spring	257 082	512	Shim0,05x8x28	023 020



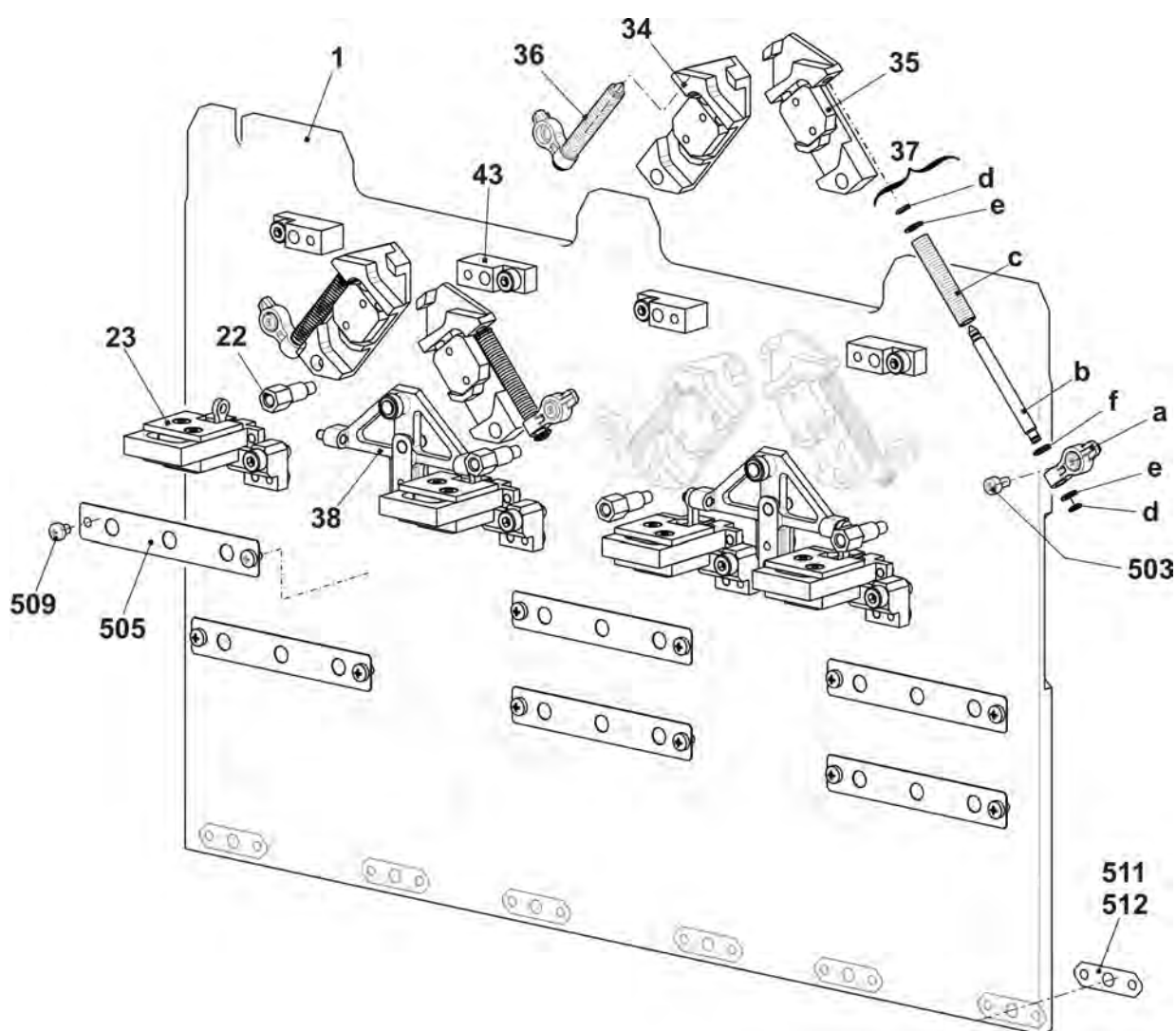
5.8.1 Cams E6.2

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	21	Selection cam E10-18	251 875
3	Entry cam on the right at the top E10-18	256 691	24	Tuck pressure part	253 828
4	Entry cam at the top E10-18	256 689	25	Limiting cam E6.2	252 955
5	Knitting position cam E10-14 E6.2 E7.2	255 021	26	Pointer E10	251 994
6	Plate on the left E10-18	255 389	27	Screw	210 335
7	Plate on the right E10-18	255 390	28	Stitch cam on the left E6.2	254 342
8	Entry cam on the left E10-18	255 391	29	Stitch cam on the right E6.2	254 343
9	Entry cam on the right E10-18	255 392	30	Tuck limiting cam E6.2	254 301
10	Pressure strip E10-14	255 540	31	Raising cam plate E10-18	251 992
11	Cam guide at the top E10-18	258 161	32	Receiving cam E6.2	252 960
12	Cam guide E10-18	255 541	33	Raising cam without split-stitch E6.2	254 344
13	Cam on the left E10-18	255 613		Raising cam with split-stitch E6.2	254 345
14	Cam at the right E10-18	255 614	39	Cam at the right E10-E18	259 769
15	Limiting cam on the left	264 051	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
16	Limiting cam on the right	264 052	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
17	Cam on the left E10-18	259 768	50	Transfer pressure part	253 838
18	Cam E10-18	258 152	51	Offering cam	210 185
19	Selection cam on the left E10-18	251 876	500	Cap screw M4x8	020 091
20	Selection cam on the right E10-18	251 877	510	Cap screw M3x8	020 081



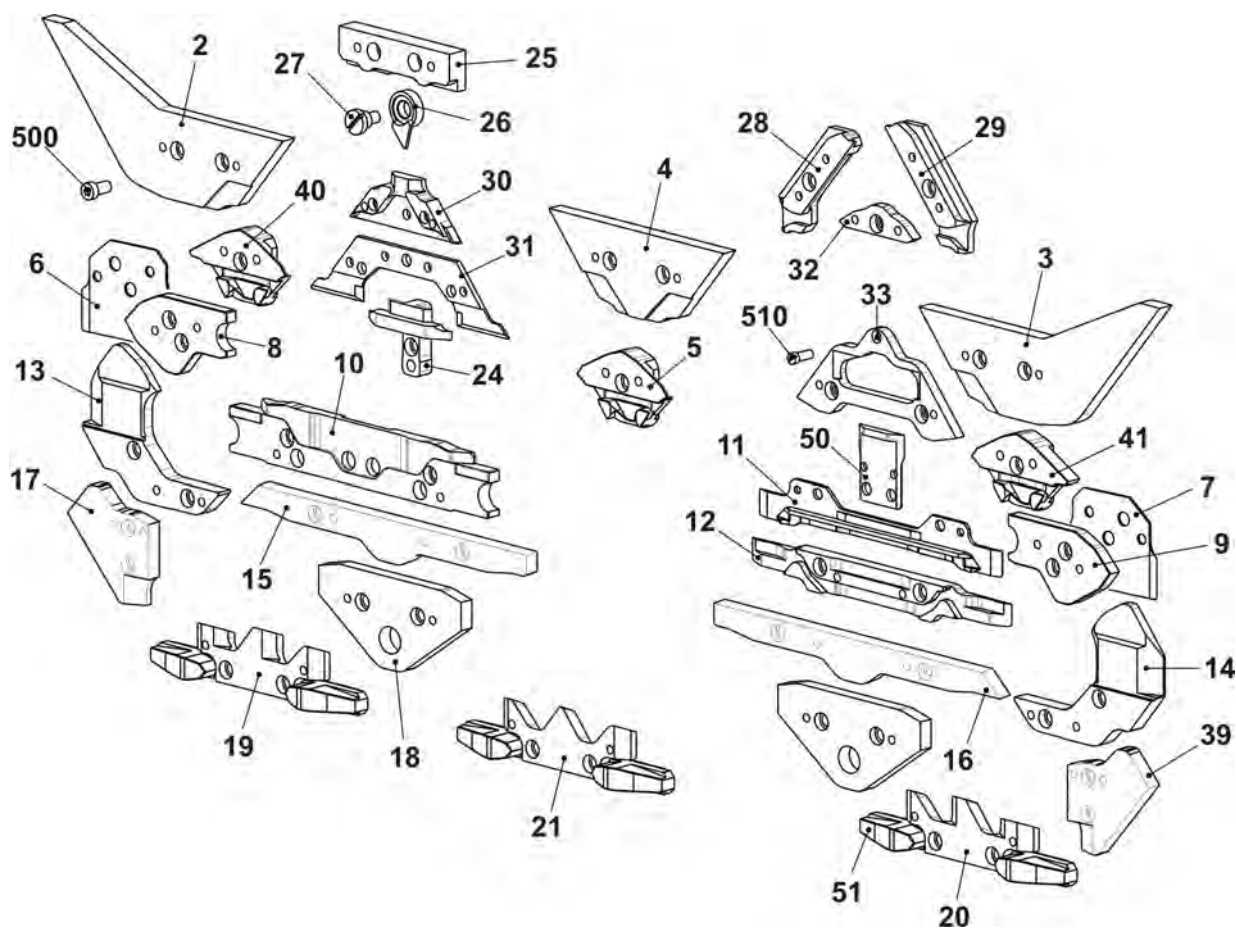
5.9 Cam box E7.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box complete E7.2	265 230			
1	Cam plate E10-18	264 748	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure part complete	253 480		f Washer	022 893
34	Loop sinking cam on the left completeE12-14	254 248	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right completeE12-14	254 249	43	Holding piece	251 828
36	Rod guide on the left complete	252 662	503	Cap screw M3x6	022 589
37	Rod guide on the right complete	252 663	505	Shim0,5x12x75	236 654
a	Rod guide part	258 148	509	Pan-head screw M3x4	023 142
b	Spring rod	252 661	511	Shim0,03x8x28	023 452
c	Compression spring	257 082	512	Shim0,05x8x28	023 020



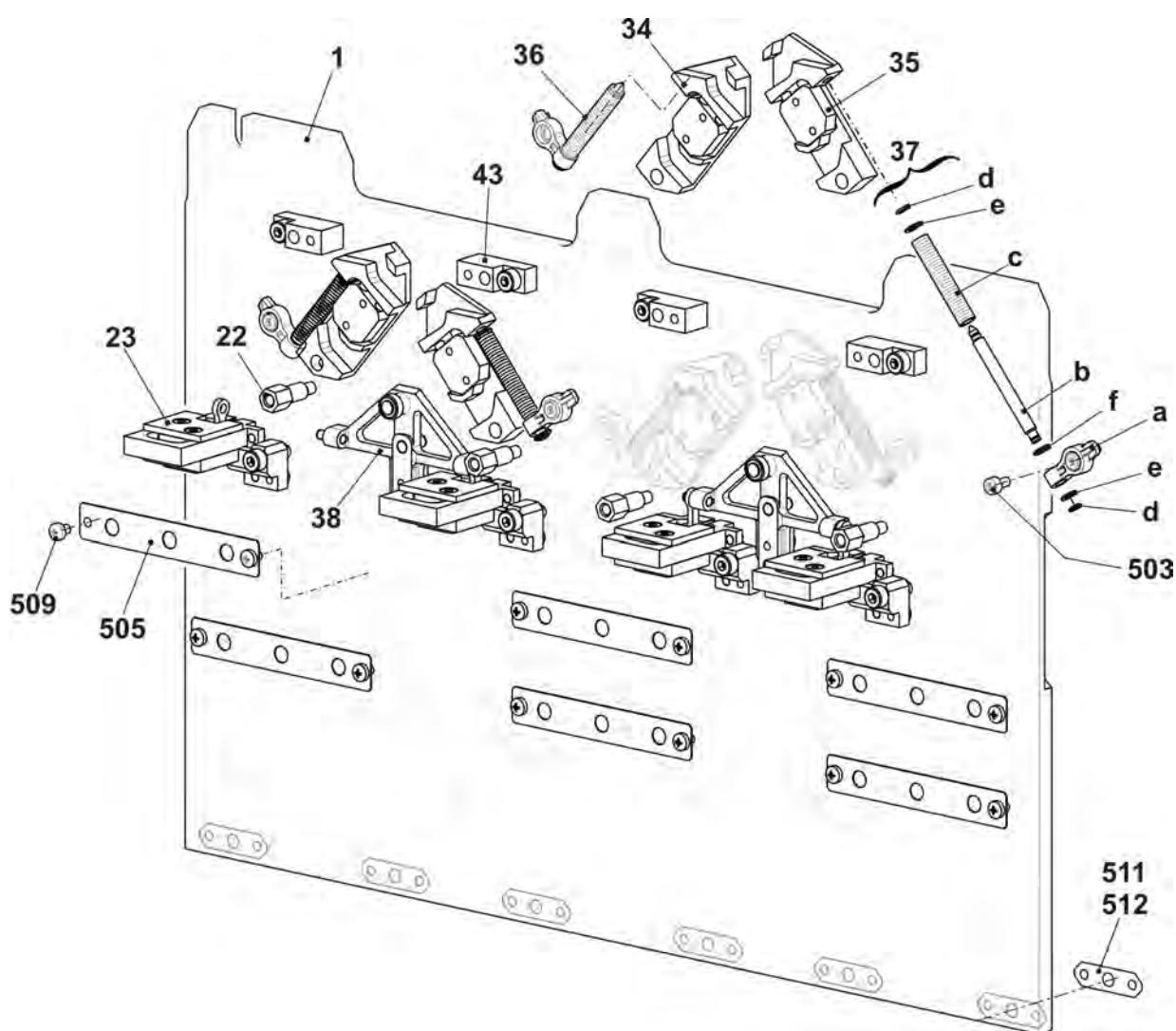
5.9.1 Cams E7.2

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	21	Selection cam E10-18	251 875
3	Entry cam on the right at the top E10-18	256 691	24	Tuck pressure part	253 828
4	Entry cam at the top E10-18	256 689	25	Limiting cam E10 E7.2	251 993
5	Knitting position cam E10-14 E6.2 E7.2	255 021	26	Pointer E10	251 994
6	Plate on the left E10-18	255 389	27	Screw	210 335
7	Plate on the right E10-18	255 390	28	Stitch cam on the left E10-14 E7.2	254 331
8	Entry cam on the left E10-18	255 391	29	Stitch cam on the right E10-14 E7.2	254 332
9	Entry cam on the right E10-18	255 392	30	Tuck limiting cam E10 E7.2	254 295
10	Pressure strip E10-14	255 540	31	Raising cam plate E10-18	251 992
11	Cam guide E10-18	258 161	32	Receiving cam E10-12	251 997
12	Cam guide E10-18	255 541	33	Raising cam without split-stitch E10-12	254 334
13	Cam on the left E10-18	255 613		Raising cam with split-stitch E10-12	254 335
14	Cam at the right E10-18	255 614	39	Cam at the right E10-18	259 769
15	Limiting cam on the left	264 051	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
16	Limiting cam on the right	264 052	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
17	Cam on the left E10-18	259 768	50	Transfer pressure part	253 838
18	Cam E10-18	258 152	51	Offering cam	210 185
19	Selection cam on the left E10-18	251 876	500	Cap screw M4x8	020 091
20	Selection cam on the right E10-18	251 877	510	Cap screw M3x8	020 081



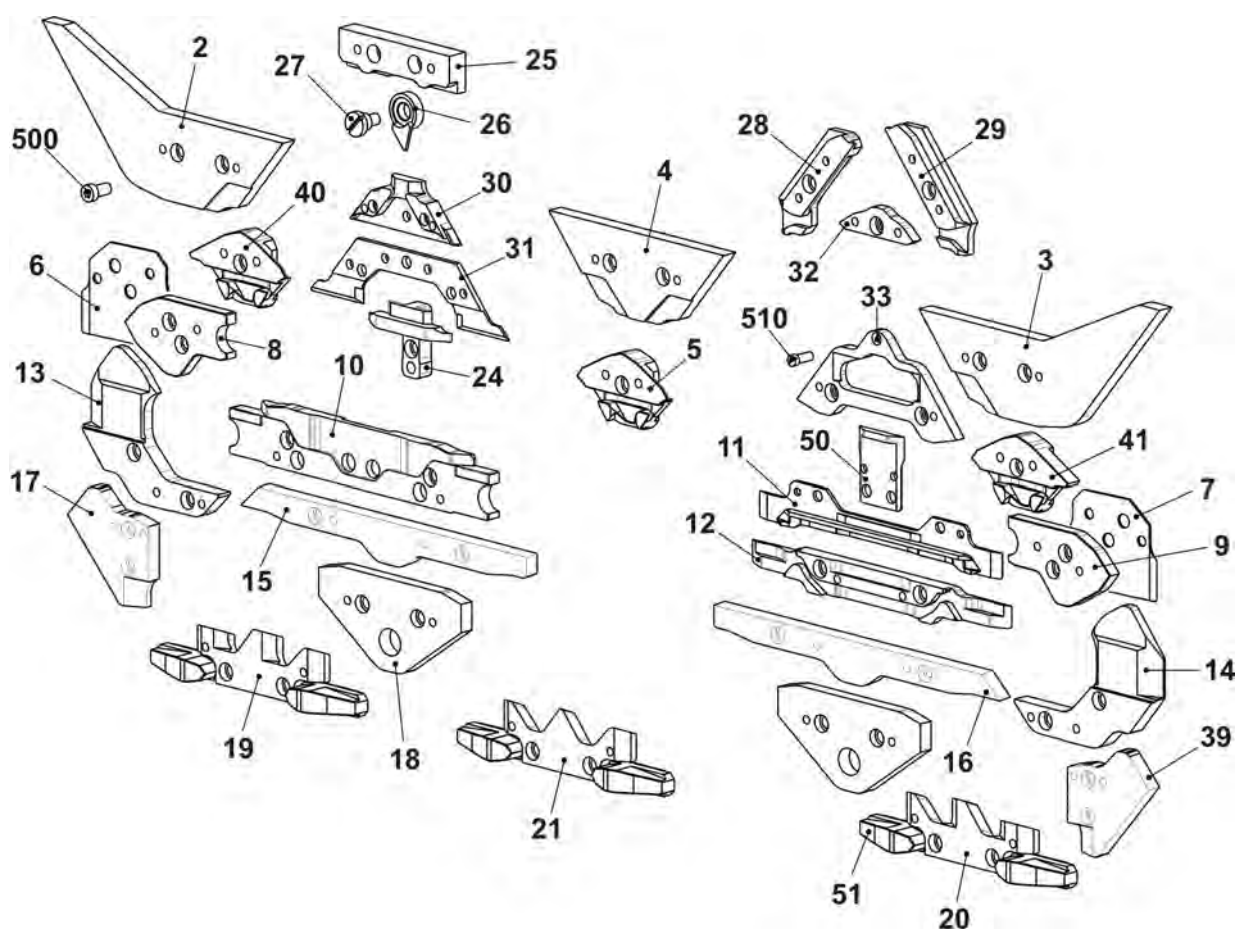
5.10 Cam box E8.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box complete E8.2	265 231			
1	Cam plate E10-18	264 748	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure part complete	253 480		f Washer	022 893
34	Loop sinking cam on the left completeE16-18	251 965	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right completeE16-18	251 966	43	Holding piece	251 828
36	Rod guide on the left complete	252 662	503	Cap screw M3x6	022 589
37	Rod guide on the right complete	252 663	505	Shim0,5x12x75	236 654
a	Rod guide part	258 148	509	Pan-head screw M3x4	023 142
b	Spring rod	252 661	511	Shim0,03x8x28	023 452
c	Compression spring	257 082	512	Shim0,05x8x28	023 020



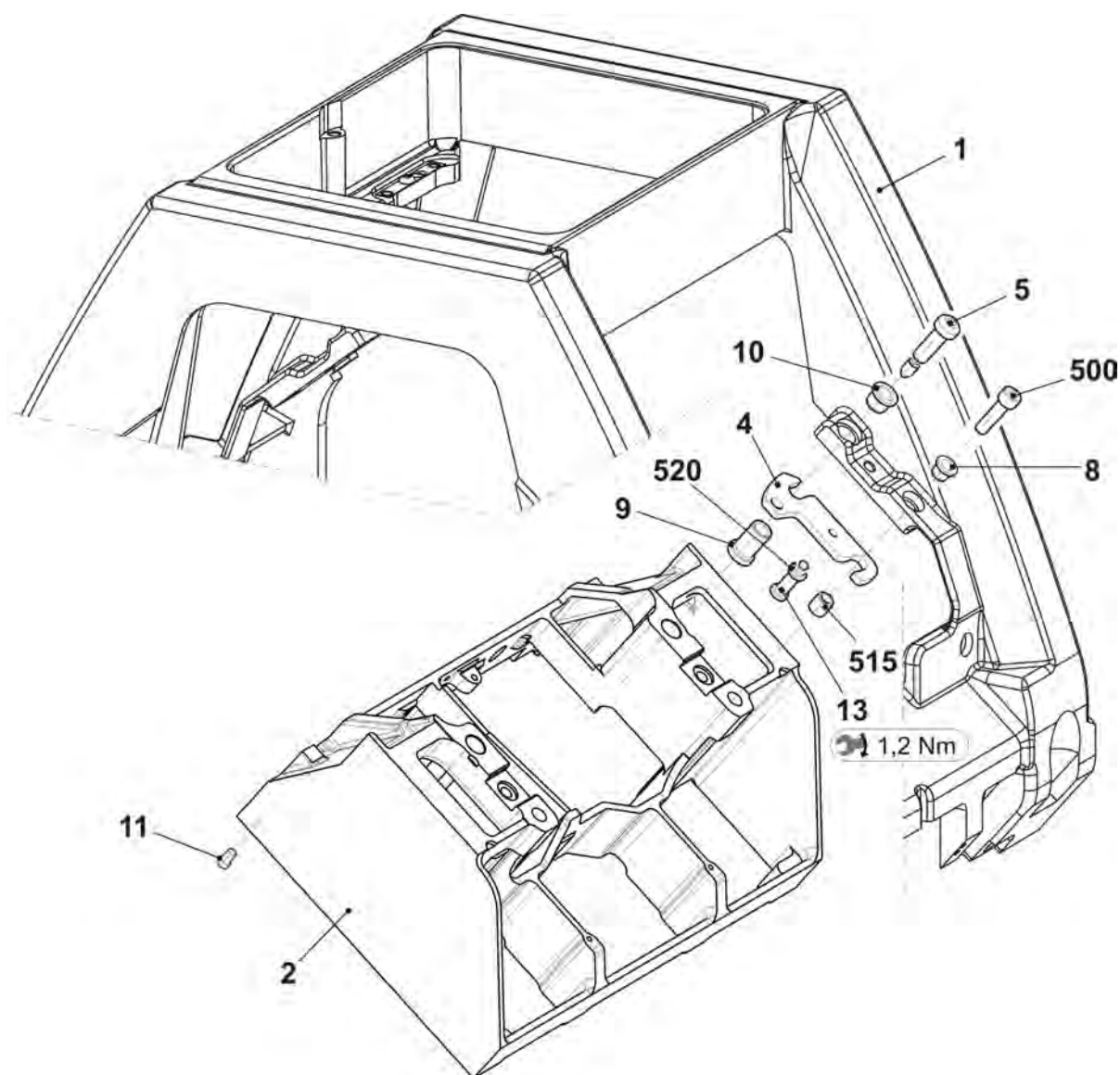
5.10.1 Cams E8.2

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	21	Selection cam E10-18	251 875
3	Entry cam on the right at the top E10-18	256 691	24	Tuck pressure part	253 828
4	Entry cam at the top E10-18	256 689	25	Limiting cam E8.2	260 901
5	Knitting position cam E16-18 E8.2	255 027	26	Pointer E16-18	252 656
6	Plate on the left E10-18	255 389	27	Screw	210 335
7	Plate on the right E10-18	255 390	28	Stitch cam on the left E16-18 E8.2	254 338
8	Entry cam on the left E10-18	255 391	29	Stitch cam on the right E16-18 E8.2	254 339
9	Entry cam on the right E10-18	255 392	30	Tuck limiting cam E8.2	260 902
10	Pressure strip E16-18	256 681	31	Raising cam plate E10-18	251 992
11	Cam guide at the top E10-18	258 161	32	Receiving cam E8.2	260 903
12	Cam guide E10-18	255 541	33	Raising cam without split-stitch E16-18	254 340
13	Cam on the left E10-18	255 613		Raising cam with split-stitch E16-18	254 341
14	Cam at the right E10-18	255 614	39	Cam at the right E10-18	259 769
15	Limiting cam on the left	264 051	40	Knitting position cam on the left E16-18 E8.2	255 028
16	Limiting cam on the right	264 052	41	Knitting position cam on the right E16-18 E8.2	255 029
17	Cam on the left E10-18	259 768	50	Transfer pressure part	253 838
18	Cam E10-18	258 152	51	Offering cam	210 185
19	Selection cam on the left E10-18	251 876	500	Cap screw M4x8	020 091
20	Selection cam on the right E10-18	251 877	510	Cap screw M3x8	020 081



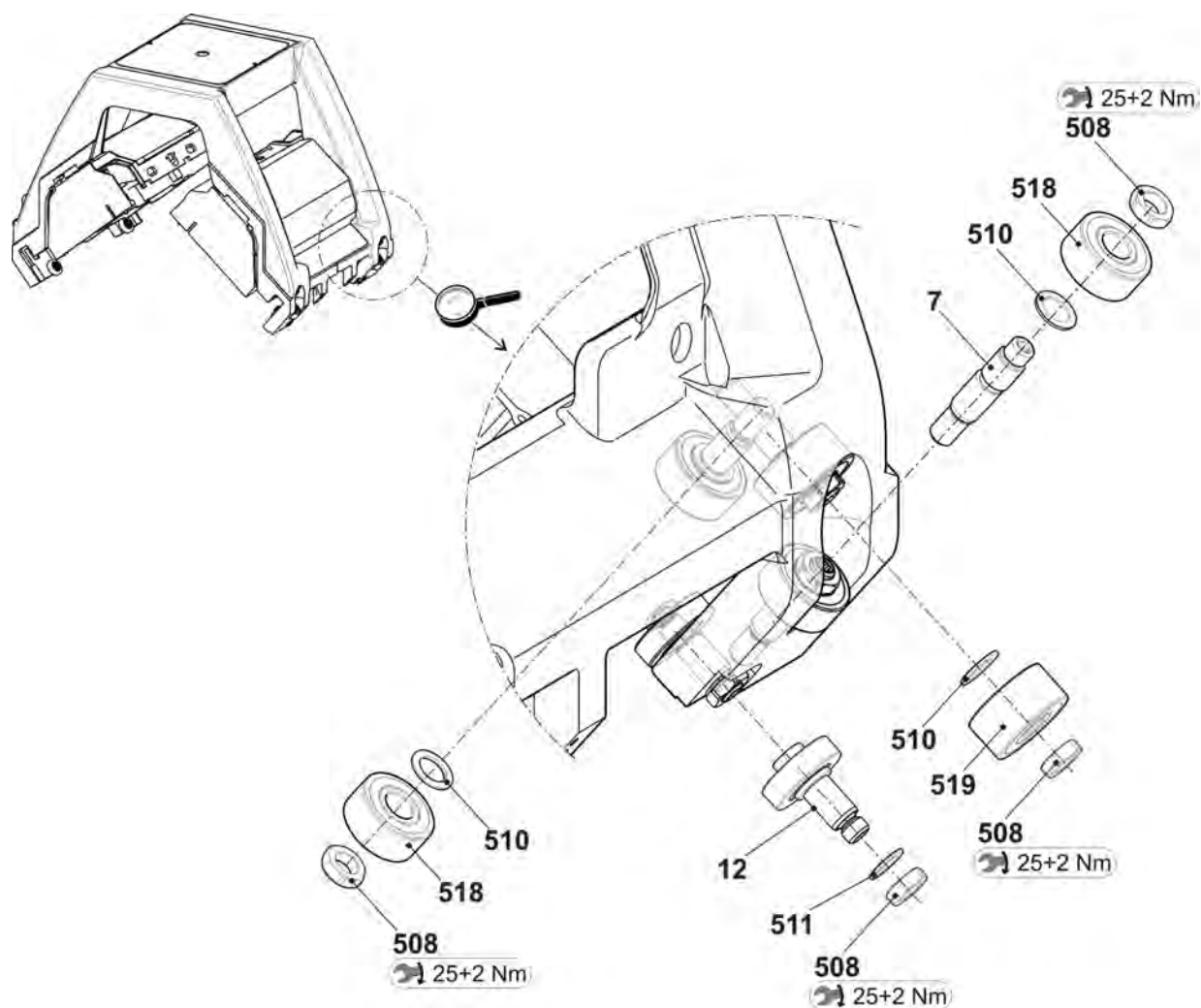
5.11 Carriage assembly

Pos	Designation	Id	Pos	Designation	Id
Σ	Carriage assembly 2 cam boxes complete 5 inches 502	258 453	9	Bush	209 275
1	Carriage frame 2 cam boxes 5 inches	258 433	10	Bush	209 274
2	Carriage part E10-18	265 496	11	Eccentric	222 983
4	Shim	225 312	13	Locating bolt linking spot	244 179
5	Shoulder screw	211 750	500	Cap screw M8x30	020 143
8	Bush	207 546	520	Circlip6	021 022



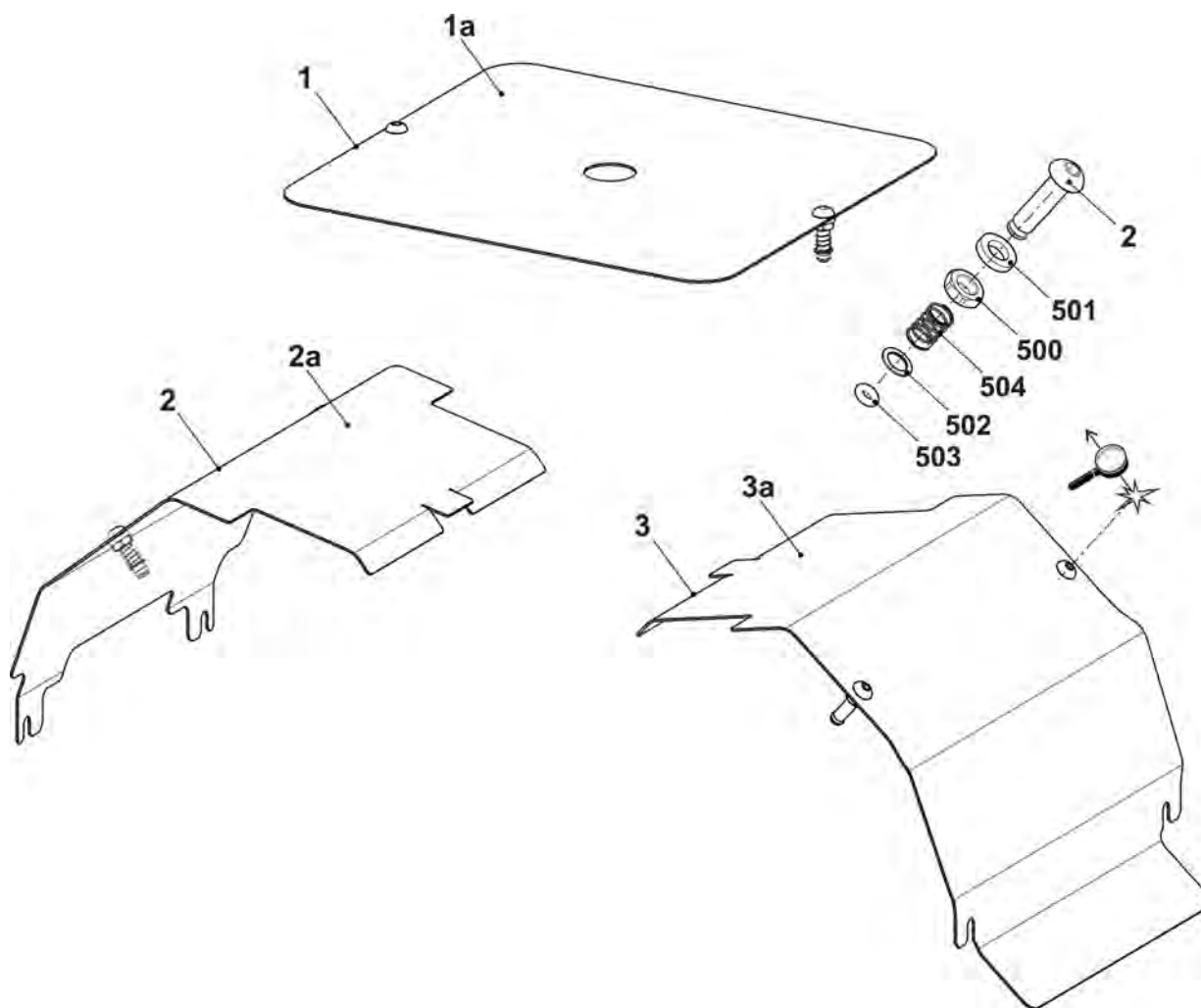
5.12 Carriage guide

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



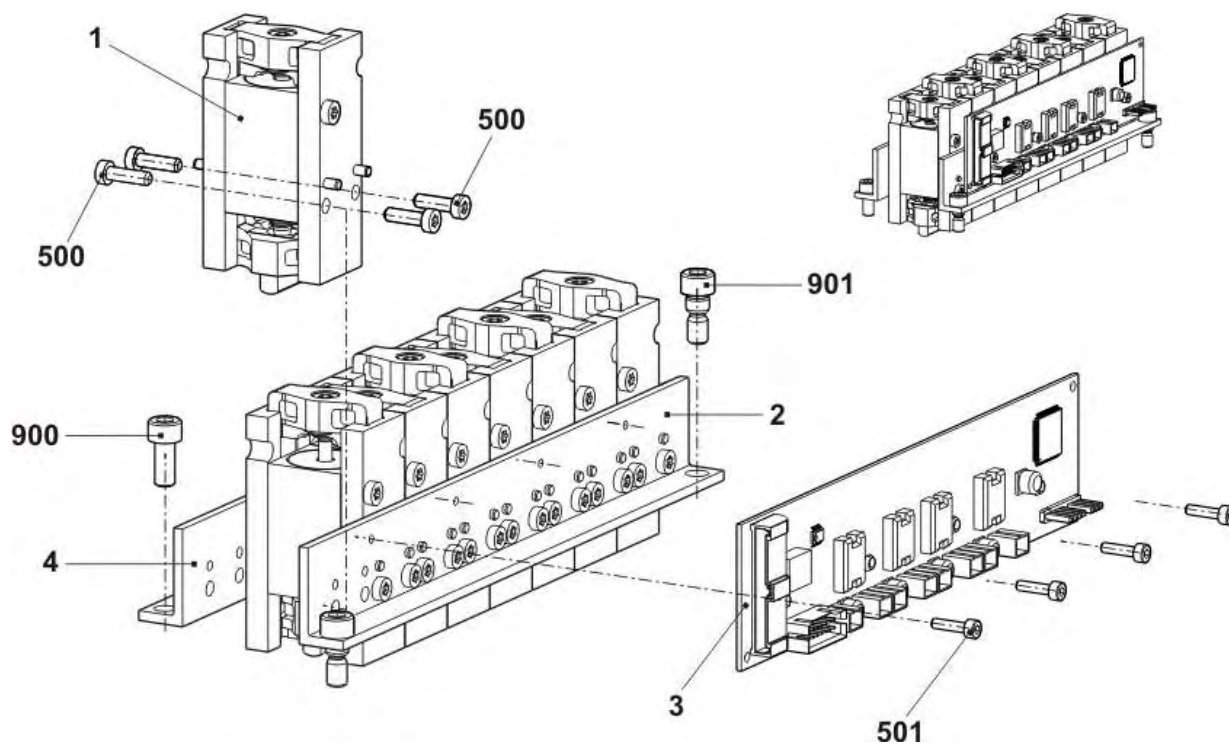
5.13 Carriage cover

Pos	Designation	ID	Pos	Designation	ID
1	Carriage cover at the top 2 cam boxes complete	257 102	10	Locating bolt	242 382
	1a Carriage cover at the top 2 cam boxes	253 317	500	Hexagon nut M6	257 088
2	Carriage cover at the rear complete 2 cam boxes	257 175	501	Washer 6.1x9x0,5	023 554
	2a Carriage cover at the rear 2 cam boxes	253 319	502	Serrated lock washer 6,4	022 385
3	Carriage cover at the front 2 cam boxes complete	257 174	503	O-ring 3x2	242 420
	3a Carriage cover front 2 cam boxes	253 318	504	Compression spring 0,48x7,02x17,29	023 654



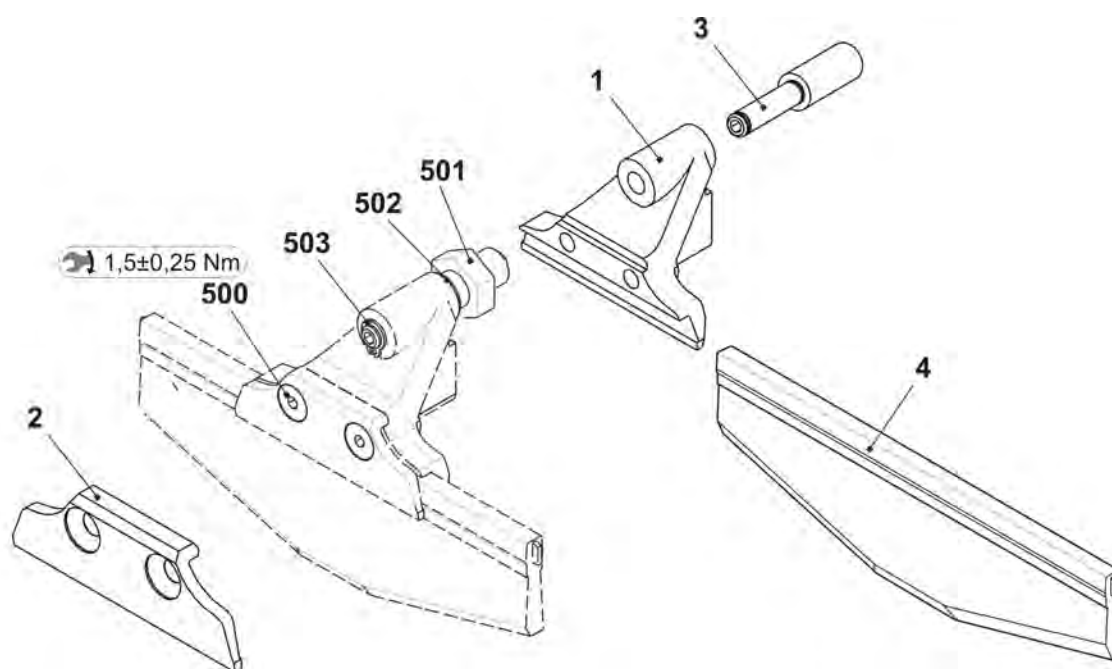
5.14 Yarn carrier driving without guide part

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



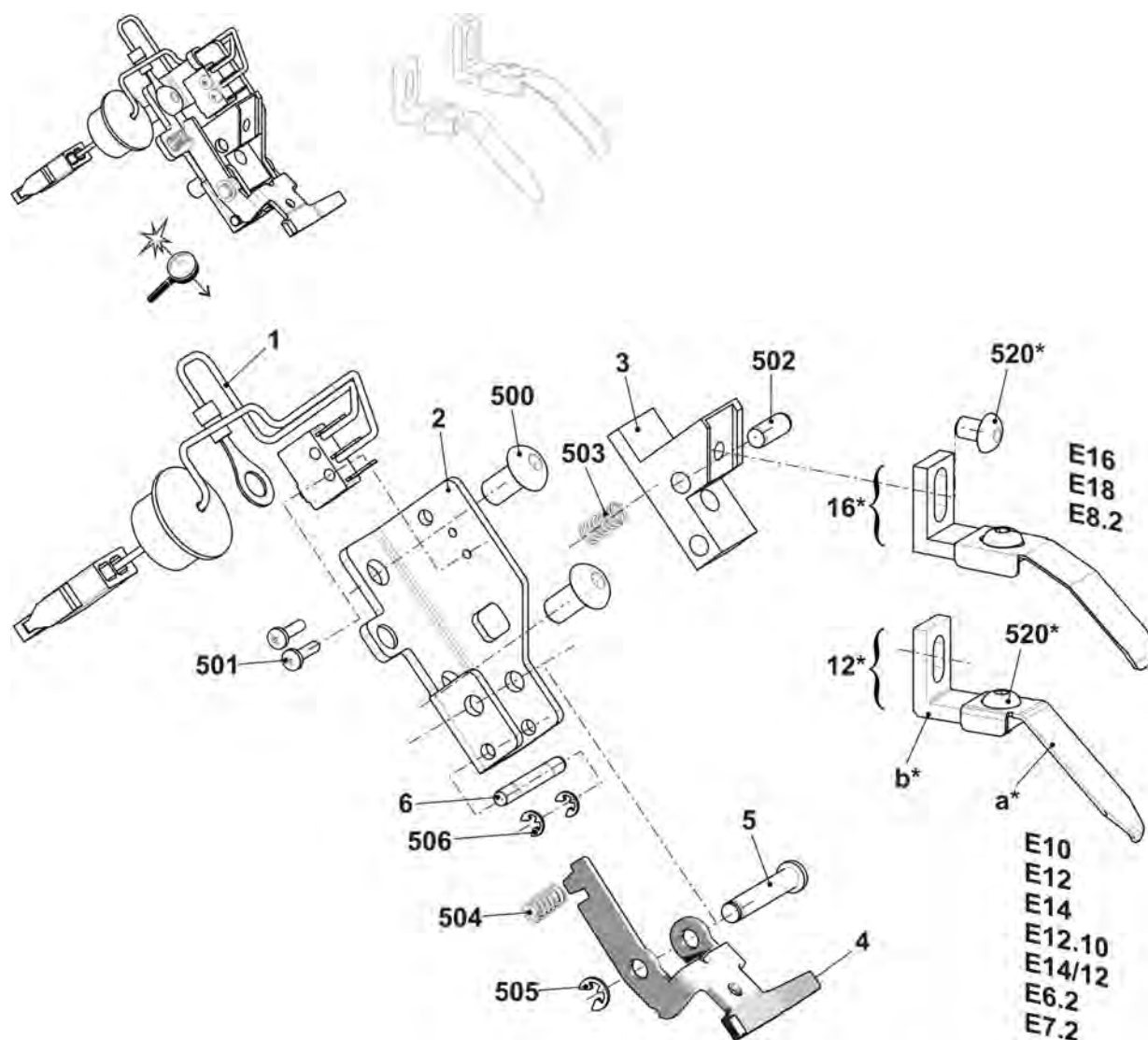
5.15 Brush holder

Pos	Designation	ID	Pos	Designation	ID
Σ	Brush holder complete		4	Brush	
	E10 E12 E14 E14/12	252 749		E10 E12 E14 E14/12	243 074
	E6.2 E7.2 (E12m.10)			E6.2 E7.2 6.2(E12m.10)	
	E16 E18	213 710		E16 E18	203 254
	E8.2	263 500		E8.2	260 502
1	Brush holder	213 009	501	Hexagon nut M8x5 (E10-18)	023 750
2	Brush clamp	213 010		Hexagon nut M8x5 (E8.2)	020 856
3	Threaded rod	209 740	502	Shim ring 5x10x0,5	023 348
500	Countersunk head screw M4x12	023 062	503	Retaining ring 5x0,6	023 347



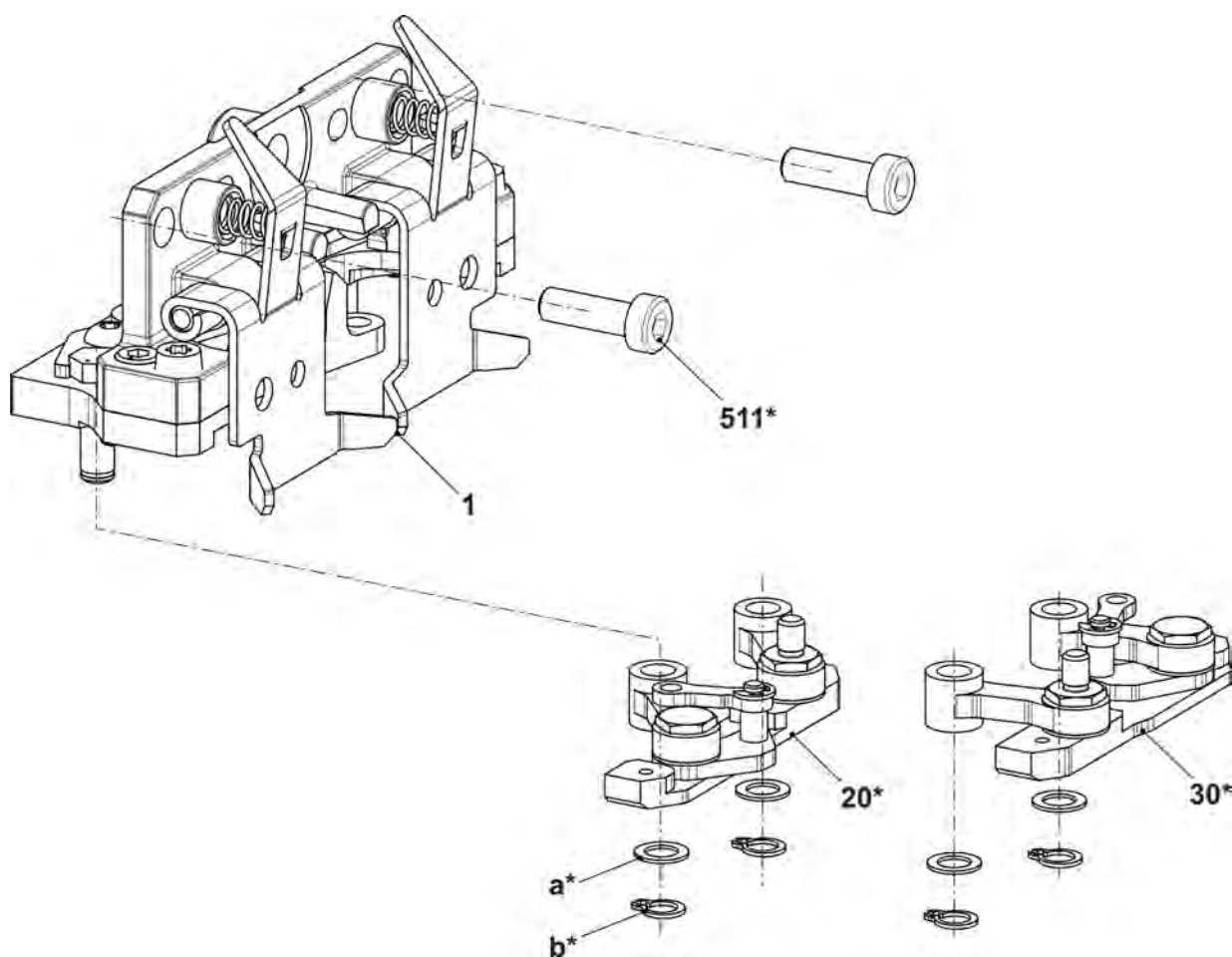
5.16 Needle detector

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle detector pre-assembled E10-18	256 475	503	Compression spring 4,3x0,45x10	021 398
1	Cable of needle detector complete	261 856	504	Compression spring 0,32x4,00x13,10	256 952
2	Retainer	256 476	505	Circlip2,3	021 018
3	Switch rocker	256 477	506	Circlip1,9	023 565
4	Set-out plate	256 094	12*	Sensor pre-assembled E10-14	256 454
5	Bolts	256 492	a*	Sensor E10-14	255 758
6	Stop bolt	256 493	b*	Angle	255 757
500	Pan-head screw M5x10	023 247	520*	Pan-head screw M4x6	023 427
501	Pan-head screw M2x8	258 310	16*	Sensor pre-assembled E16-18	256 784
502	Dowel pin4x10-A	023 753	a*	Sensor E16-18	255 759

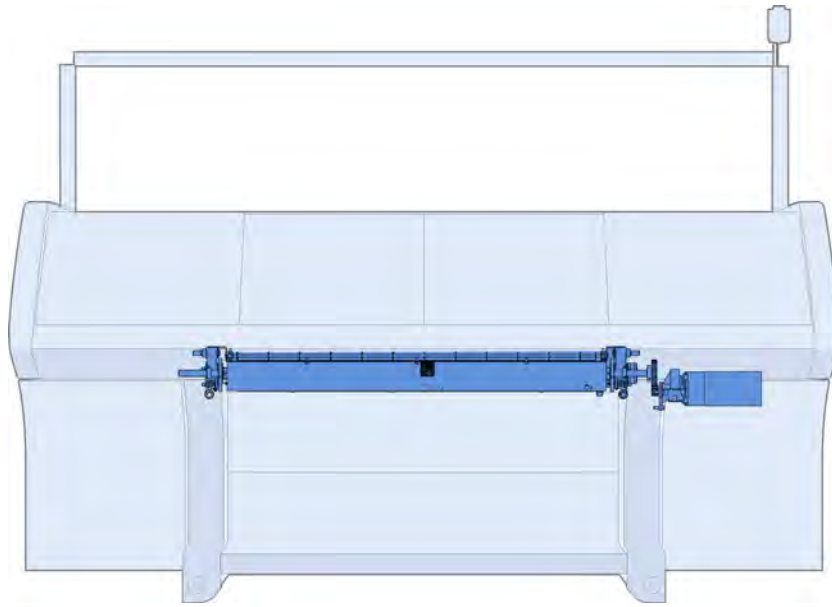


5.17 Holding-down jack control and slider

Pos	Designation	Id	Pos	Designation	Id
1	Holding-down jack control complete		20*	Slider on the right complete	
	E10	256 306		E10	256 391
	E12 E14 E6.2(12m.10) E7.2(14/12) E6.2	256 307		E12 E14 E6.2(12m.10) E7.2(14/12) E6.2	256 392
	E16 E18 E8.2	256 308		E16 E18 E8.2	256 393
	E7.2	256 309		E7.2	256 394
	E8.2	256 310		E8.2	256 395
511*	Cap screw M5x16	023 141	30*	Slider on the left complete	
				E10	256 396
				E12 E14 E6.2(12m.10) E7.2(14/12) E6.2	256 397
				E16 E18 E8.2	256 398
				E7.2	256 399
				E8.2	256 400
			a*	Shim ring 5x10x0,5	023 348
			b*	Retaining ring 5x0,6	023 347

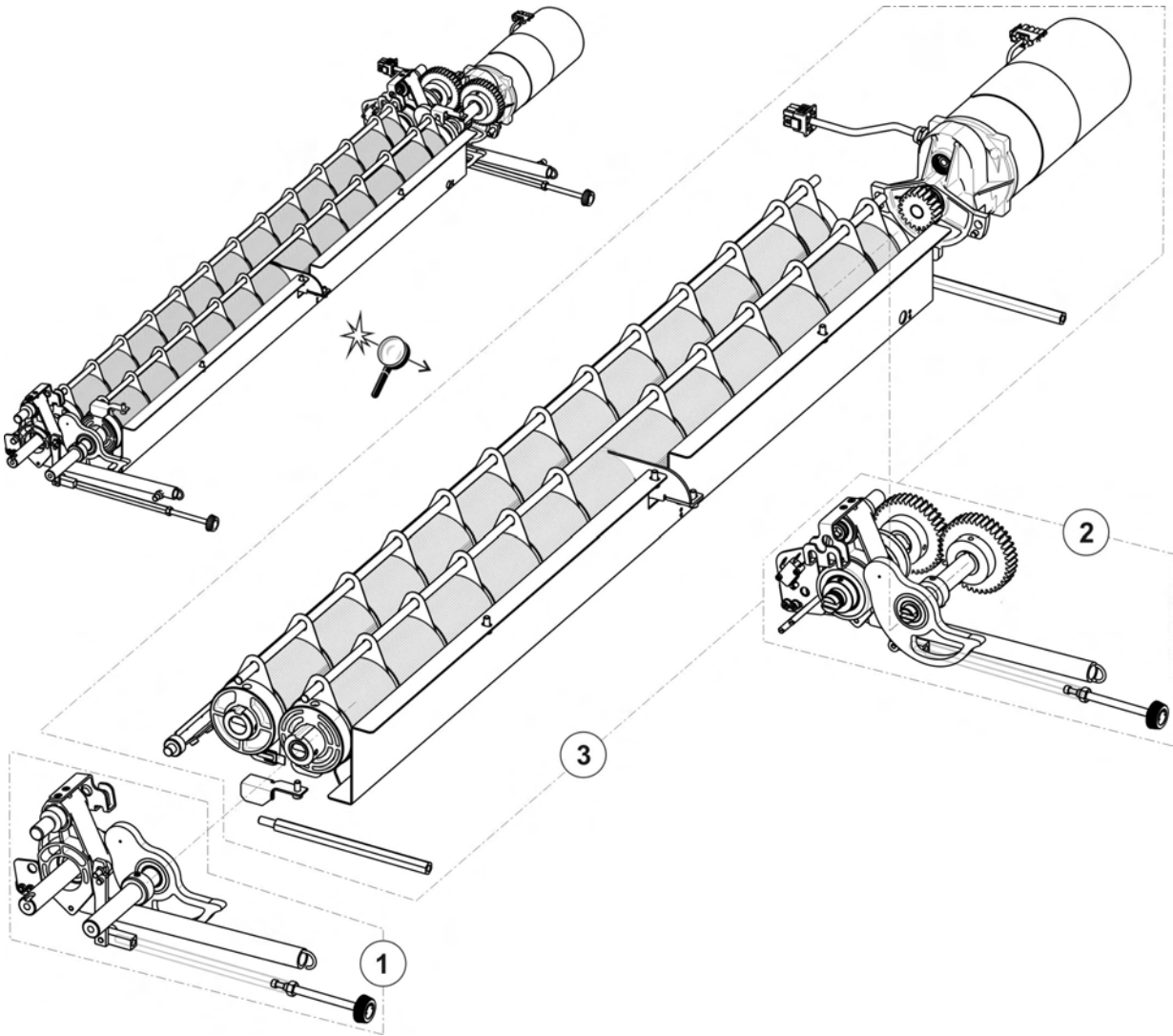


6 Main take-down



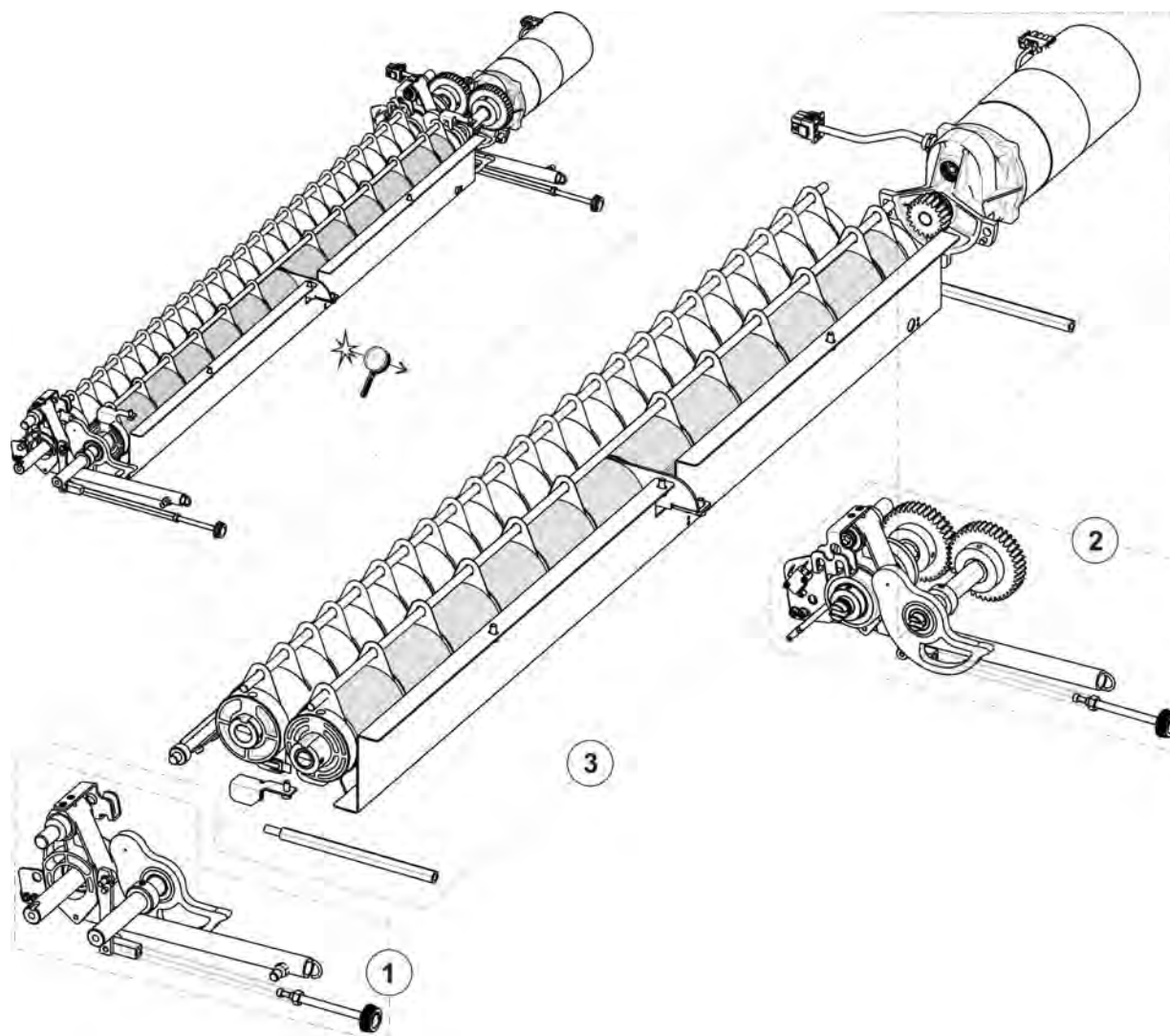
6.1 Main take-down E10 | E12 | E14 | E6.2(12m.10) | E7.2(14/12)
| E6.2 | E7.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down E5-14		2	Main take-down on the right	265 341
1	Main take-down on the left	257 006	3	Main take-down in the middle E5-14	253 792



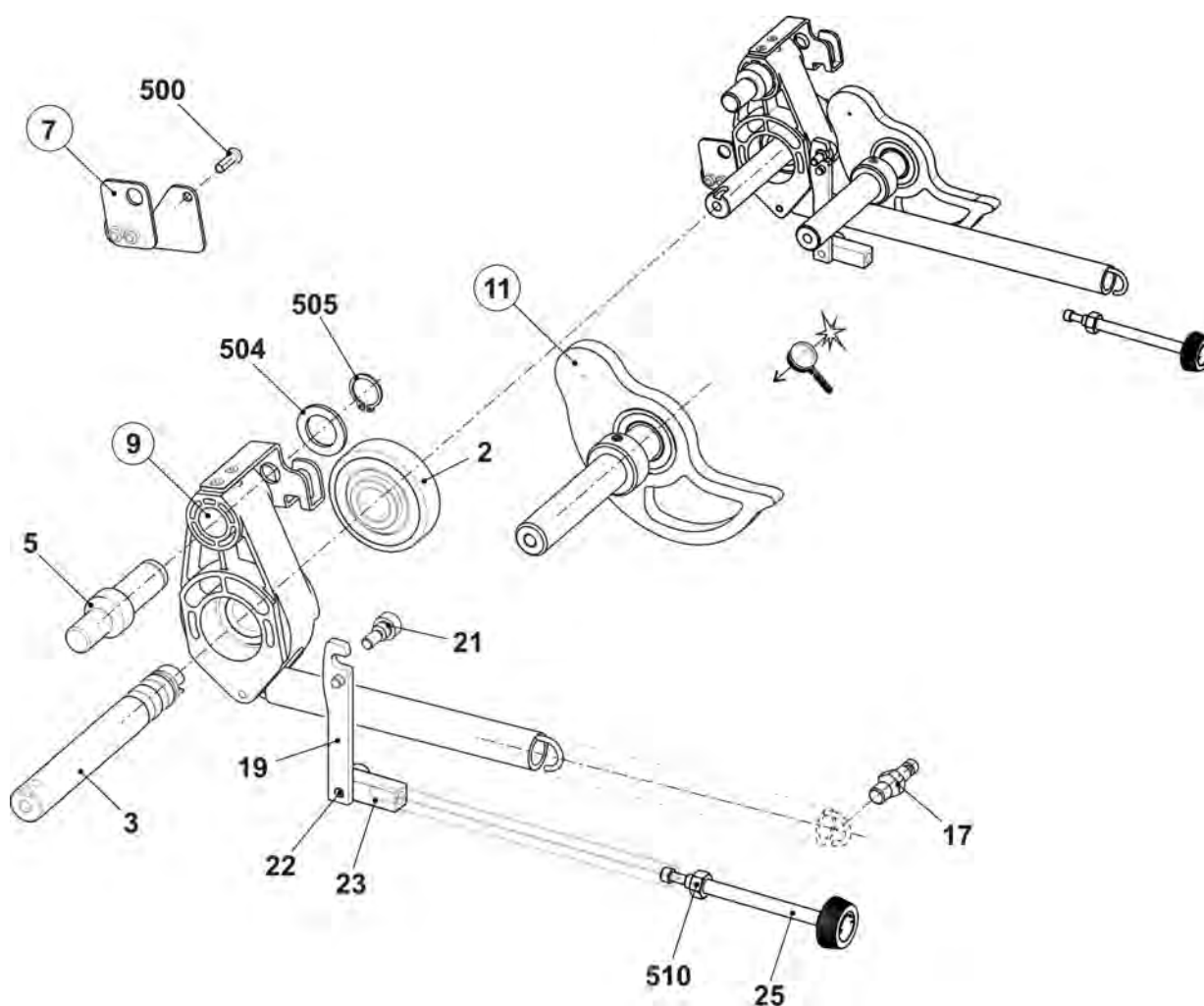
6.2 Main take-down E16|E18|E8.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down E16-18		2	Main take-down on the right	265 341
1	Main take-down on the left	257 006	3	Main take-down in the middle E16-18	257 110



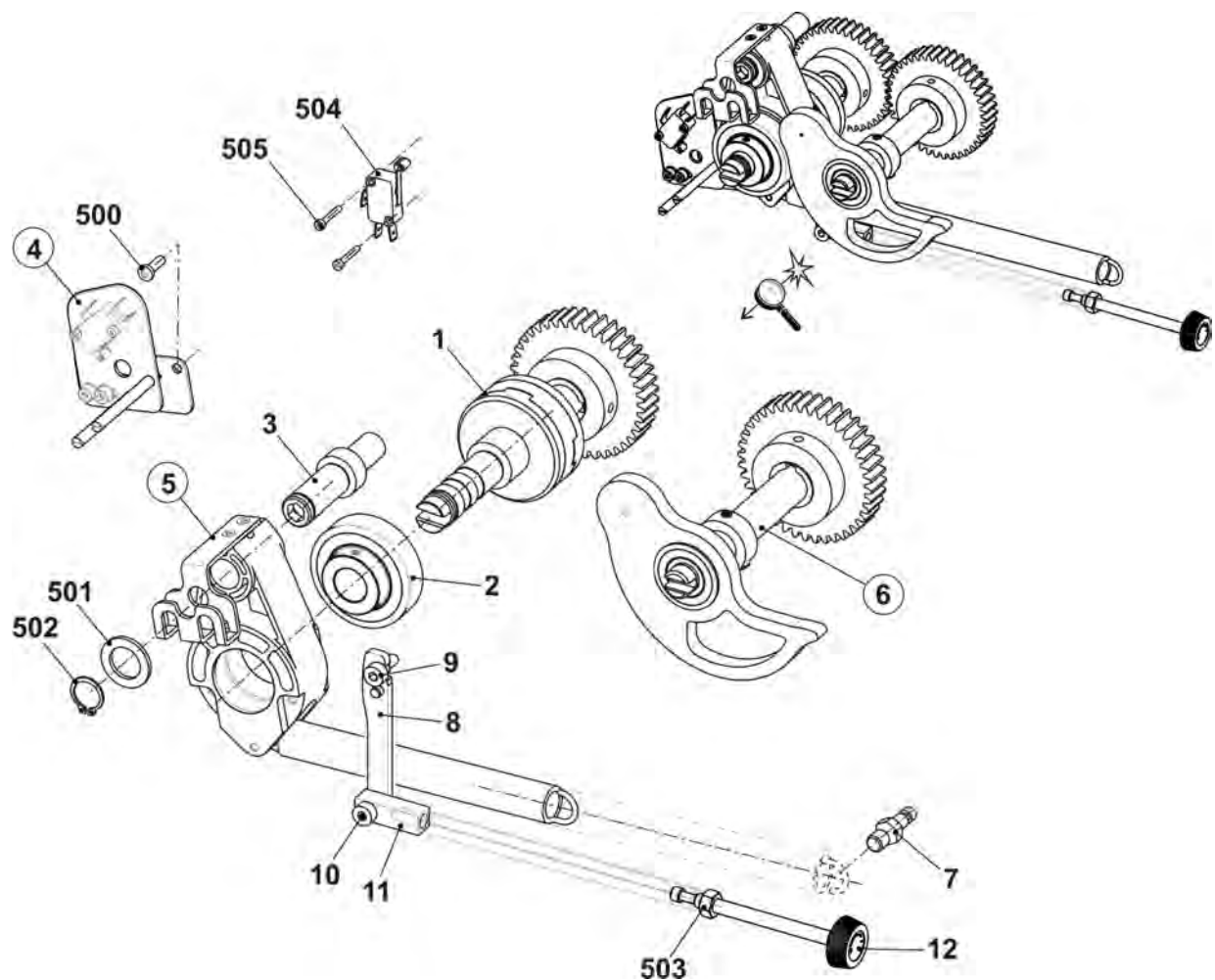
6.3 Main take-down on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on the left	257 006			
2	Bearing race complete	244 459	21	Shoulder screw	257 000
3	Shaft on the left at the rear	221 012	22	Distance bolt	256 077
5	Bolts	208 538	23	Coupling piece	256 999
7	Mounting plate on the left complete	231 725	25	Knurled screw	250 608
9	Swivel-mounted bearing	251 761	500	Screw 50x15	251 728
11	Full floating axle on the left	251 984	504	Washer 18	023 295
17	Spring bolt	221 143	505	Retaining ring 18x1,2	020 955
19	Stop point	256 078	510	Hexagon nut M8-6	020 838



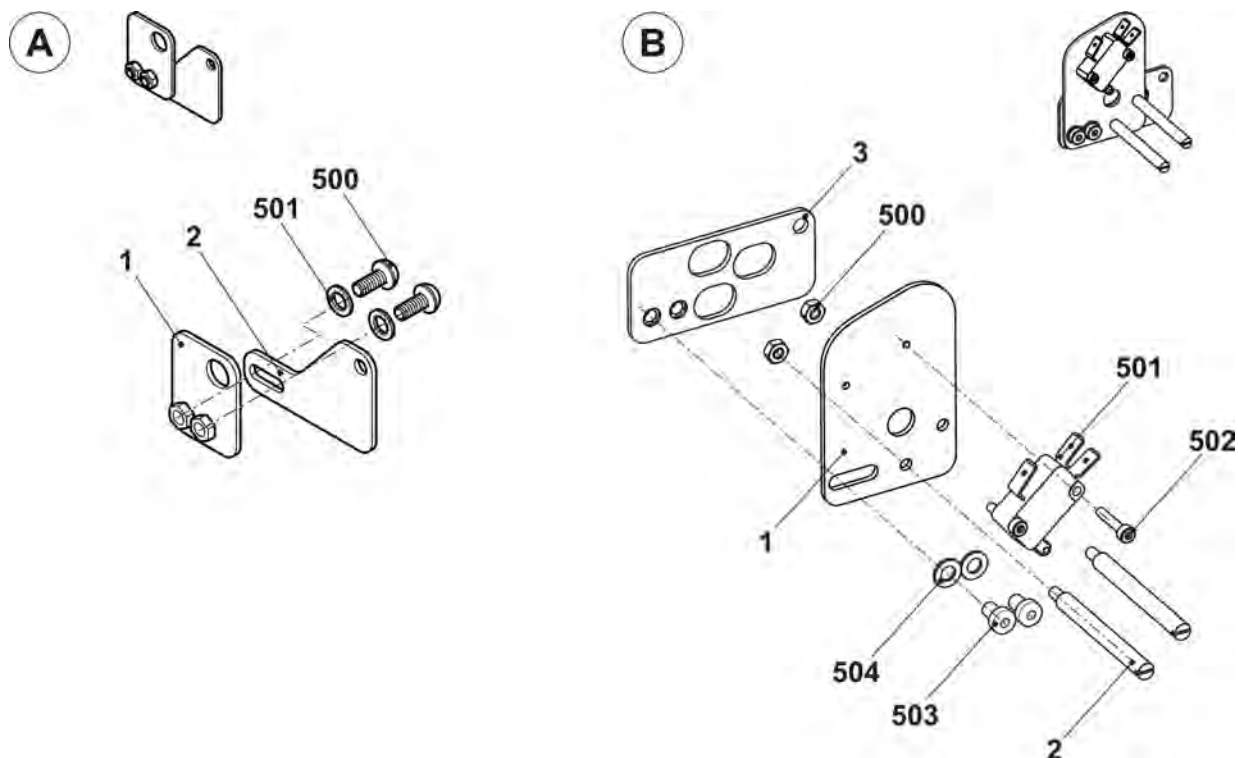
6.4 Main take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on the right	265 341			
1	Clutch set	251 677	10	Distance bolt	256 077
2	Bearing race complete	244 459	11	Coupling piece	256 999
3	Bolts	208 538	12	Knurled screw	250 608
4	Mounting plate on the right complete	260 090	500	Screw 50x15	251 728
5	Swivel-mounted bearing	251 761	501	Washer 18	023 295
6	Full floating axle on the right	251 985	502	Retaining ring 18x1,2	020 955
7	Spring bolt	221 143	503	Hexagon nut M8-6	020 838
8	Stop point	256 078	504	Microswitch Xgk2-s21 250	210 510
9	Shoulder screw	257 000	505	Cap screw M3x20	023 221



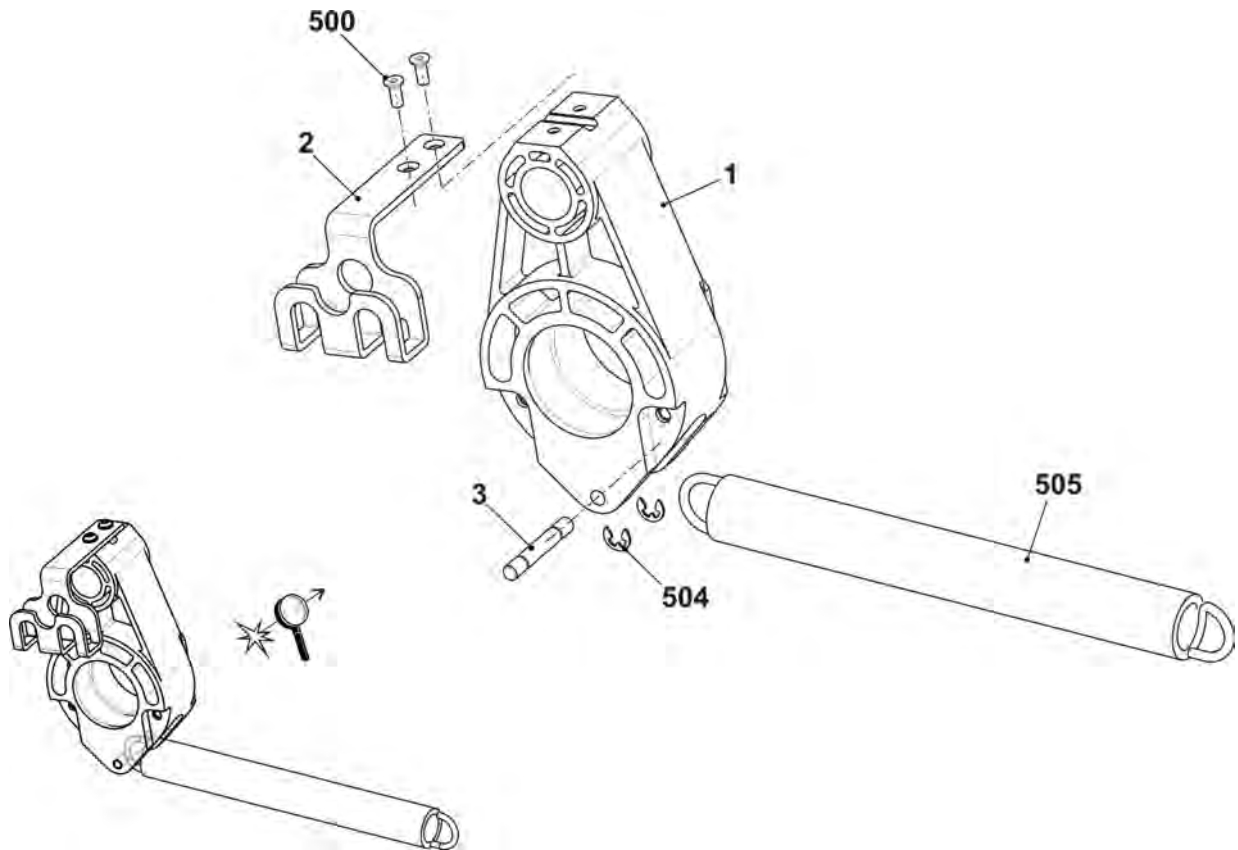
6.5 Mounting plate on the left and right

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ A	Mounting plate on the left complete	231 725	2	Shoulder screw	240 067
1	Mounting plate on the left	231 541	3	Retaining plate on the right	240 066
2	Retaining plate on the left	231 539	500	Hexagon nut M4-6	022 536
500	Pan-head screw M5x10	023 247	501	Microswitch	026 259
501	Serrated lock washer J5,3	022 489	502	Cap screw M3x16	022 583
Σ B	Mounting plate on the right complete	260 090	503	Cap screw M5x8	244 278
1	Mounting plate on the right	260 067	504	Washer 5-200	020 871



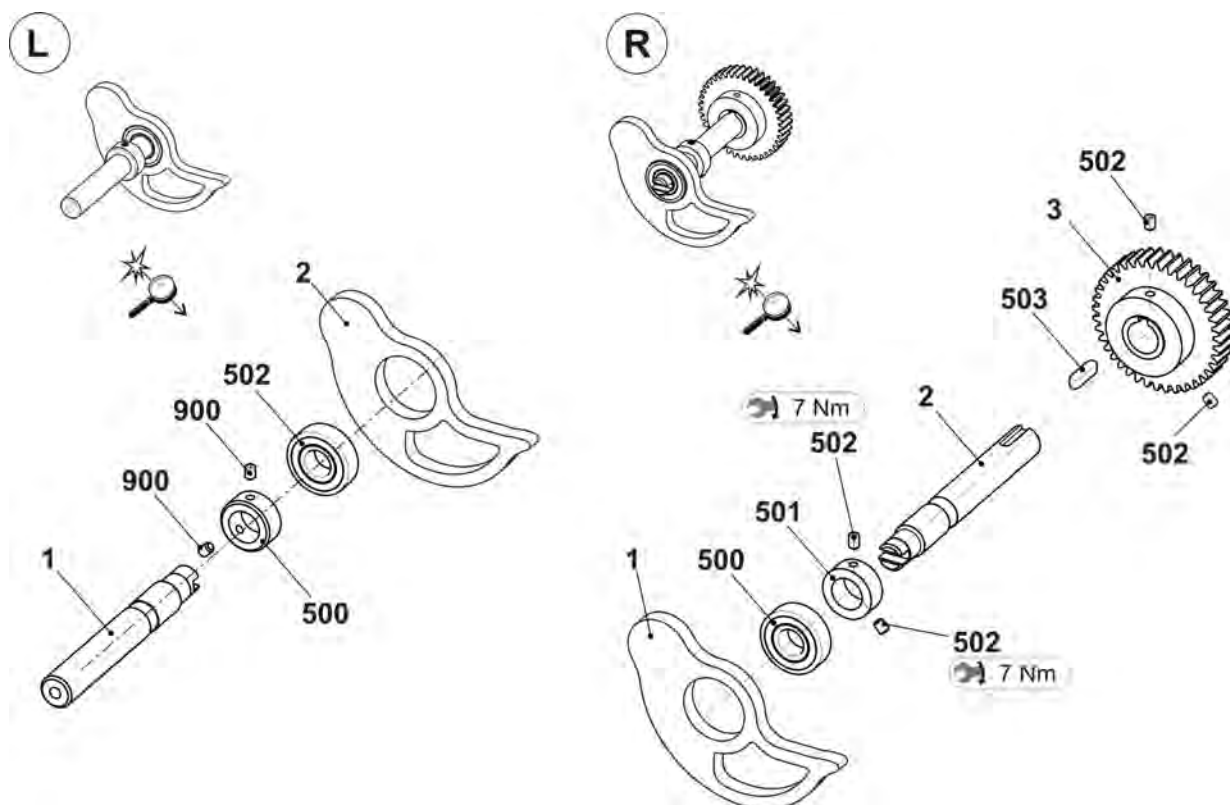
6.6 Swivel-mounted bearing

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



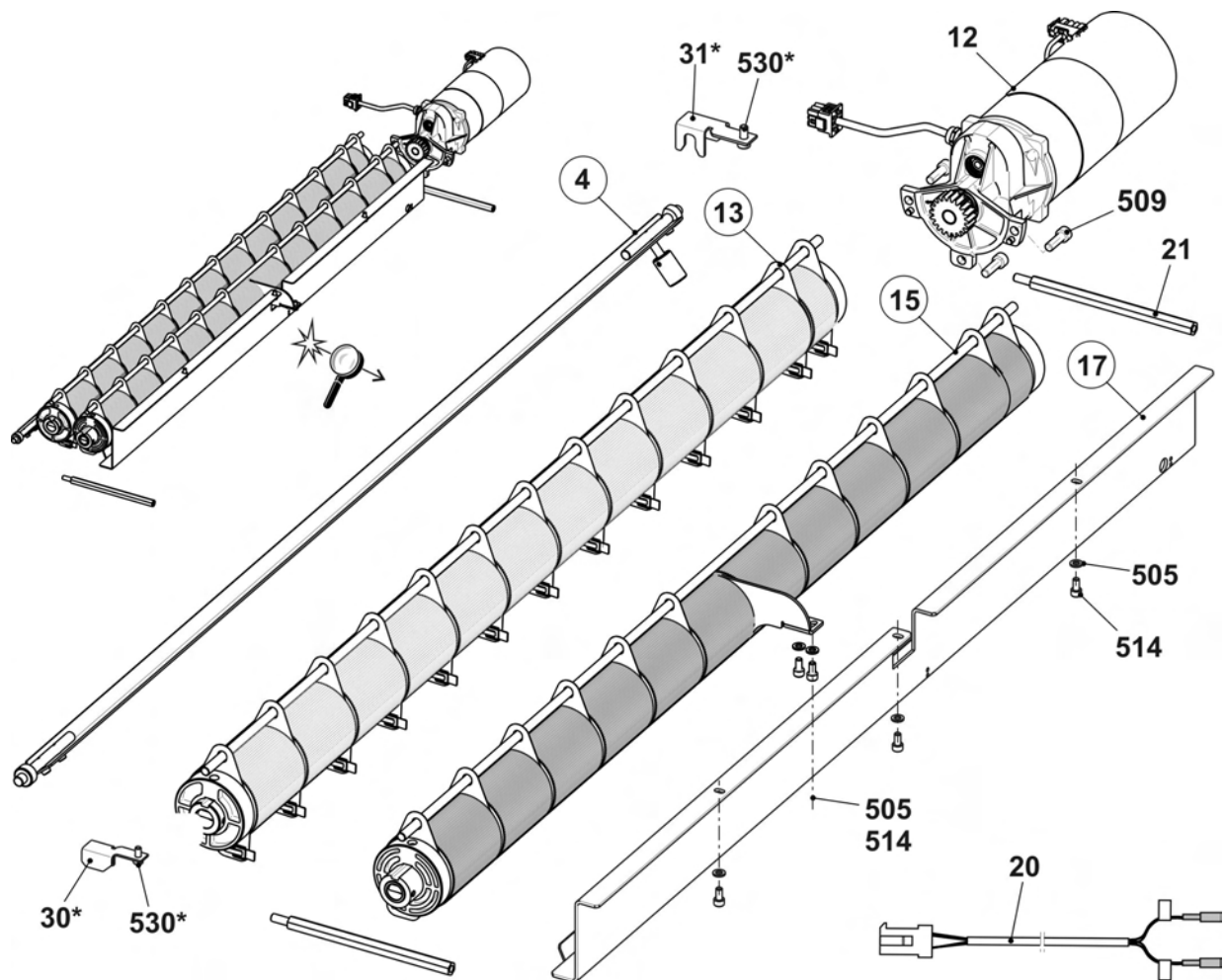
6.7 Full floating axle on the left and the right

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



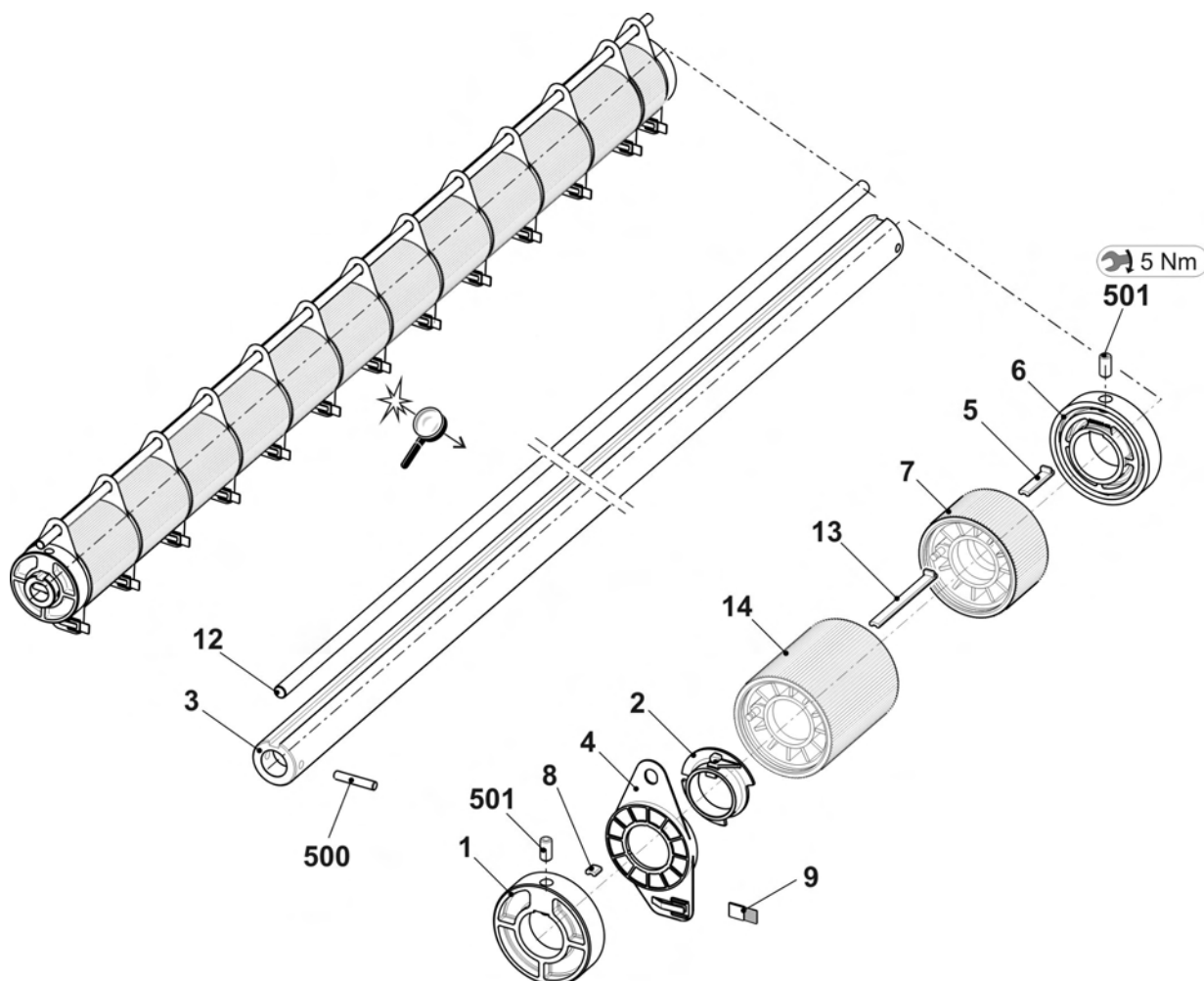
6.8 Main take-down in the middle E10 | E12 | E14 | E6.2(12m.10) | E7.2(14/12) | E6.2 | E7.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down in the middle E5-14	253 792	21	Connecting rod	256 998
4	Stripper angle at the rear complete	264 118	505	Washer 6	02 431
12	Motor take-down unit complete	253 803	509	Cap screw M8x25	020 142
13	Take-down roller at the rear complete E5-14	251 683	514	Cap screw M6x12	020 134
15	Take-down roller at the front complete E5-14	251 681	30*	Sheet metal support on the left	251 766
17	Angle rail complete	251 550	31*	Sheet metal support on the right	251 765
20	Connection cable winding plate OKC	241 703	530*	Cap screw M6x12	020 134



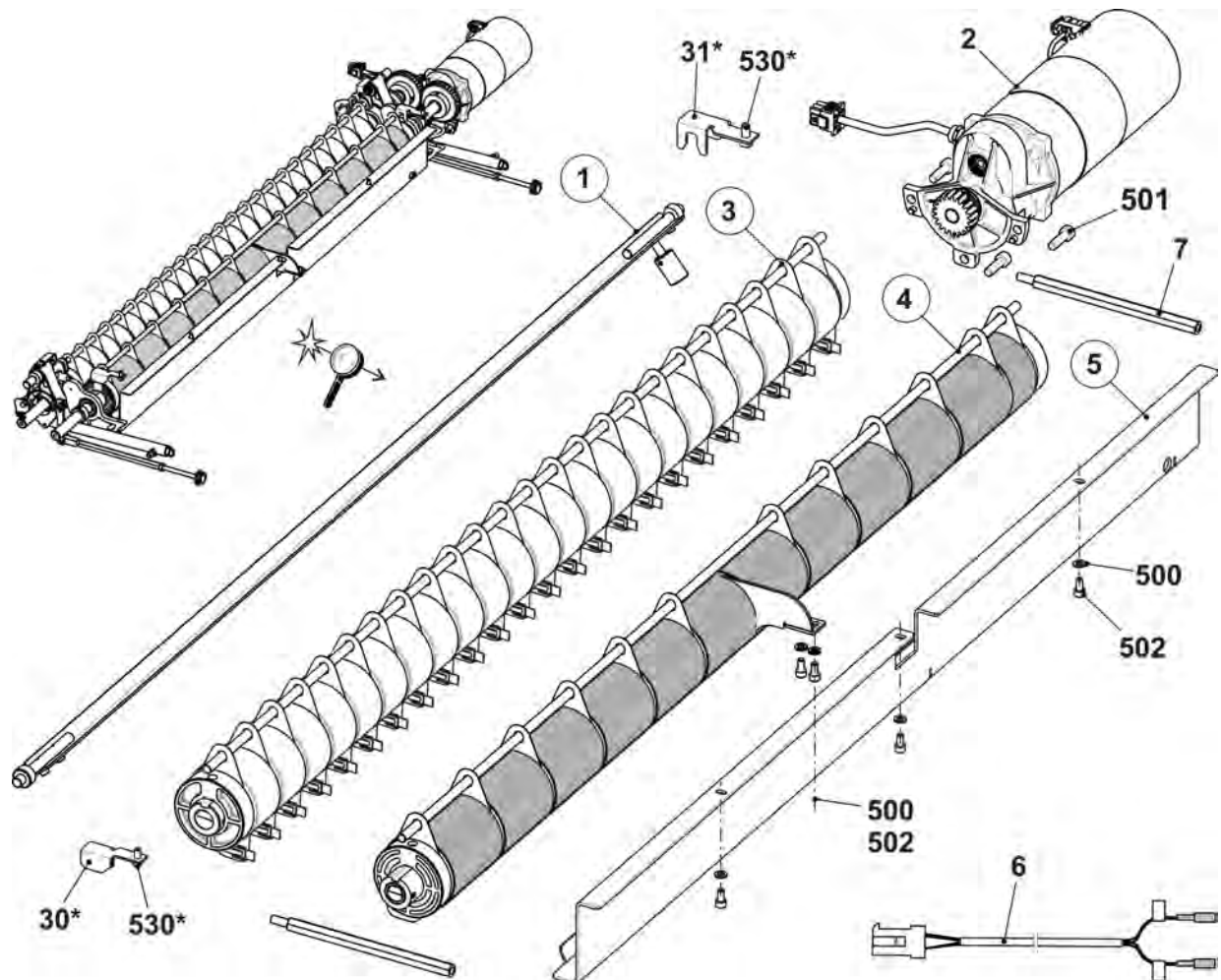
6.8.1 Rear take-down roller E10 | E12 | E14 | E6.2(12m.10) | E7.2(14/12) | E6.2 | E7.2

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



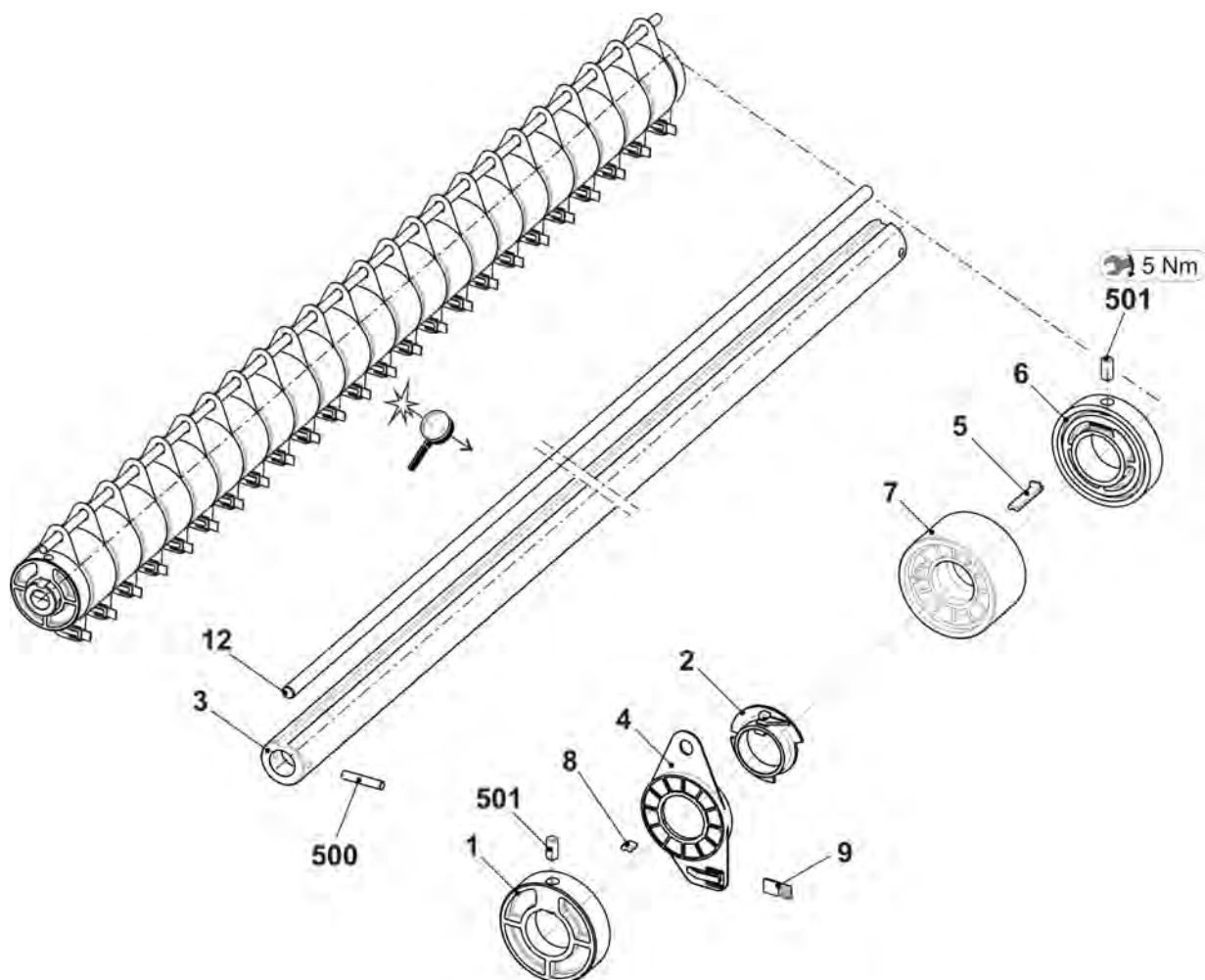
6.9 Main take-down in the middle E16|E18|E8.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down in the middle E16-18	257 110	7	Connecting rod	256 998
1	Stripper angle at the rear complete	264 118	500	Washer 6	022 431
2	Motor take-down unit complete	253 803	501	Cap screw M8x25	020 142
3	Take-down roller at the rear complete E16-18	257 109	502	Cap screw M6x12	020 134
4	Take-down roller at the front complete E5-14	251 681	30*	Sheet metal support on the left	251 766
5	Angle rail complete	251 550	31*	Sheet metal support on the right	251 765
6	Connection cable winding plate OKC	241 703	530*	Cap screw M6x12	020 134



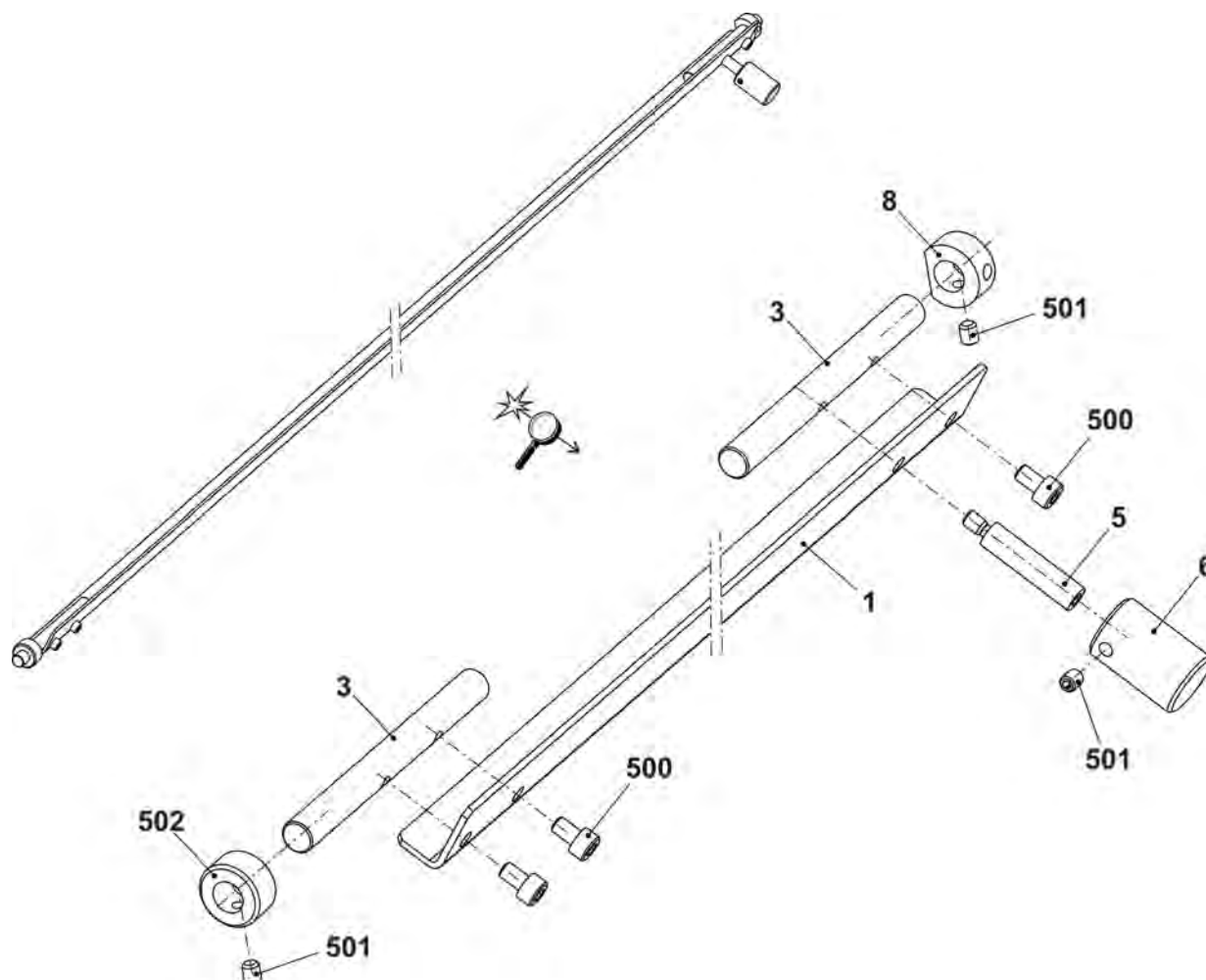
6.9.1 Rear take-down roller 16 | E18 | E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the rear complete E16-18	257 109			
1	Ring on the left	255 830	7	Roller	231 400
2	Stop ring on the left	204 369	8	Spacer slide	222 062
3	Shaft	251 682	9	Brush	225 819
4	Stripper	241 612	12	Rod	251 769
5	Spacer slide	240 104	500	Dowel pin 6x32	020 685
6	Ring on the right	255 831	501	Setscrew M8x16	258 910



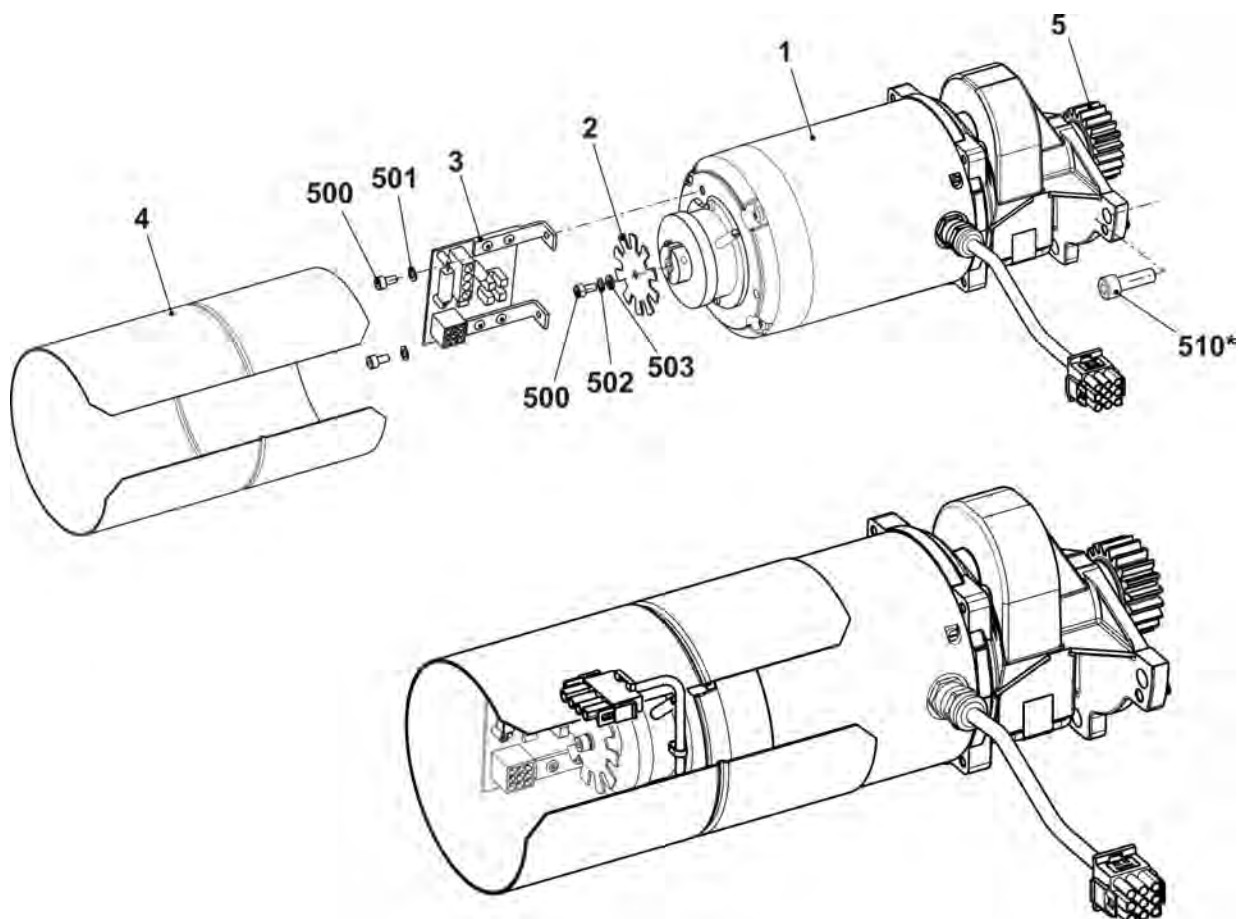
6.10 Stripper angle

Pos	Designation	Id	Pos	Designation	Id
Σ	Stripper angle at the rear complete	264 118			
1	Stripper angle	263 946	8	Cam	260 109
3	Axle	259 969	500	Cap screw M5x8	023 319
5	Bolts	228 310	501	Setscrew M5x6	022 738
6	Adjustment weight	229 248	502	Set collarA10	020 934



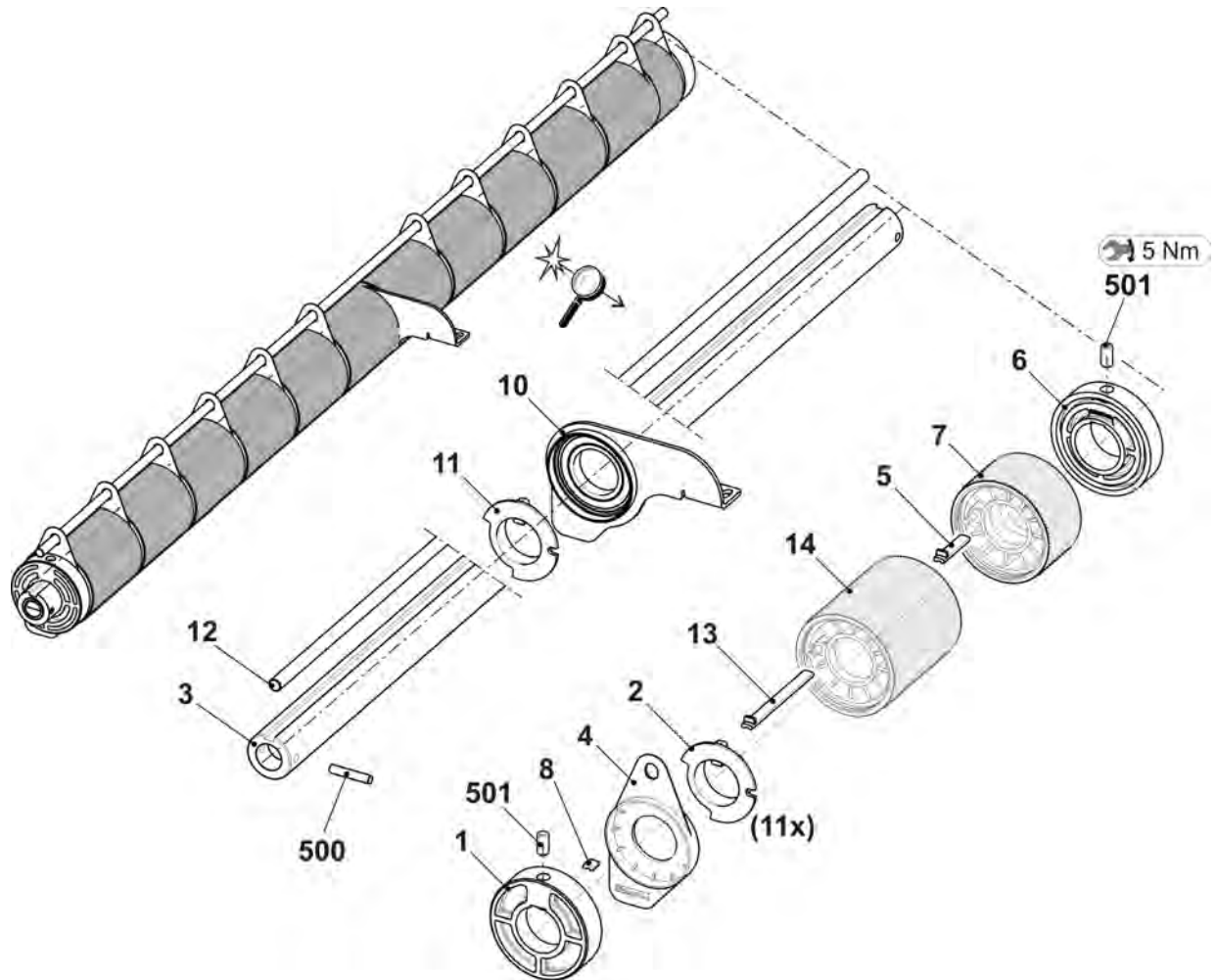
6.11 Impulse sensor and motor

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



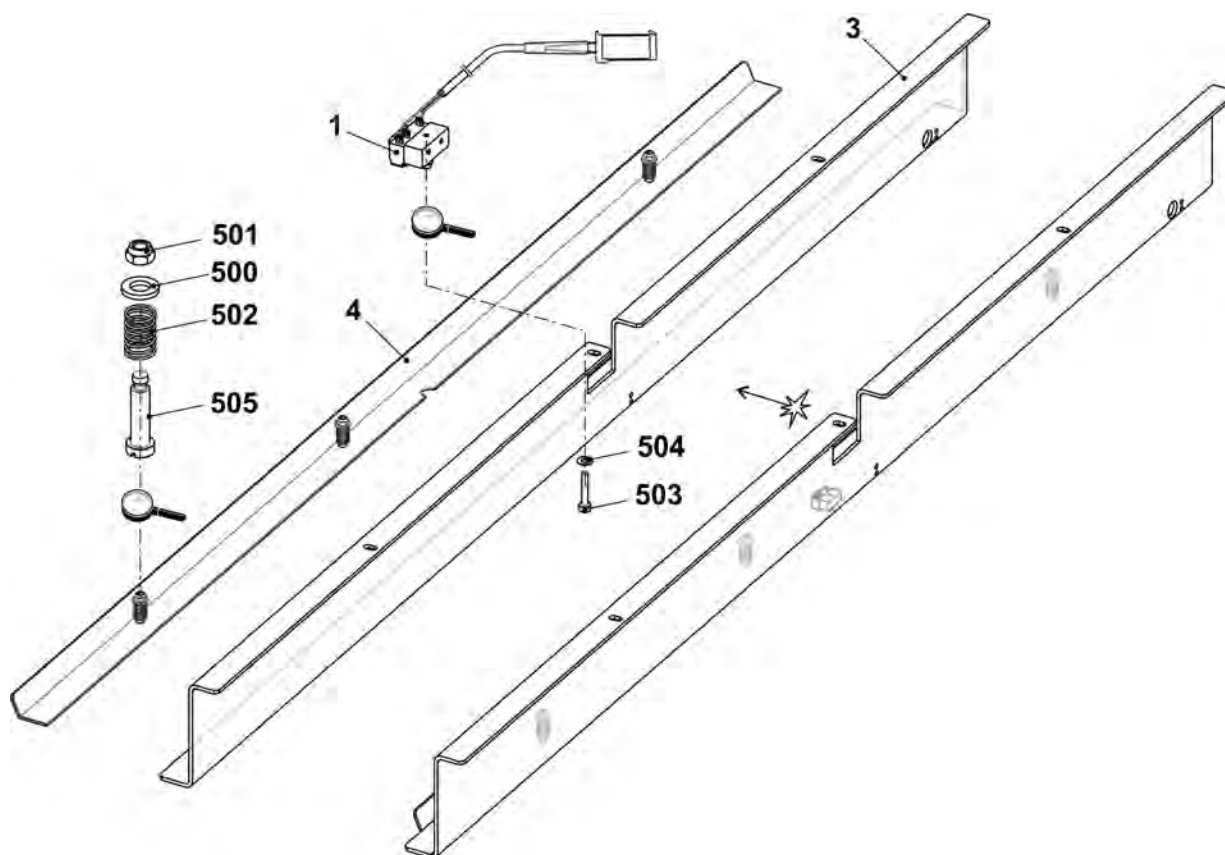
6.12 Front take-down roller

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

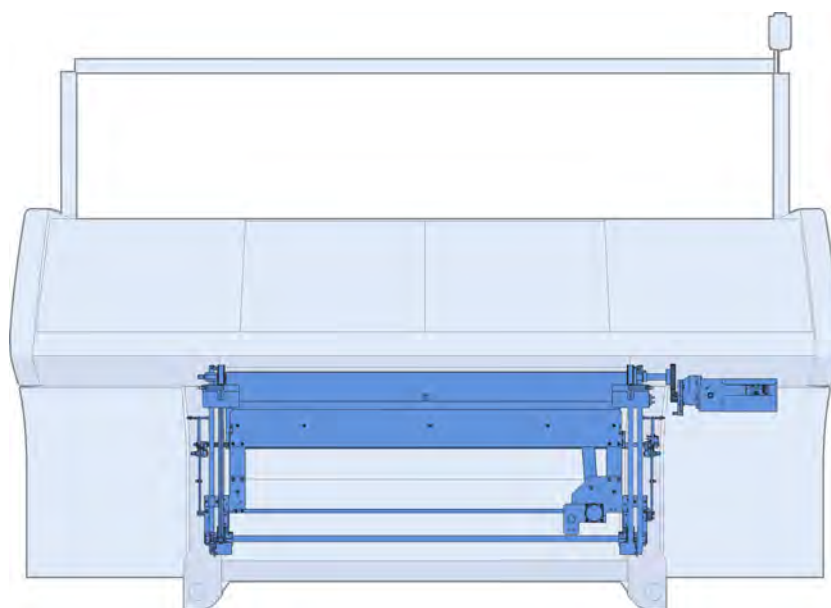


6.13 Angle rail

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

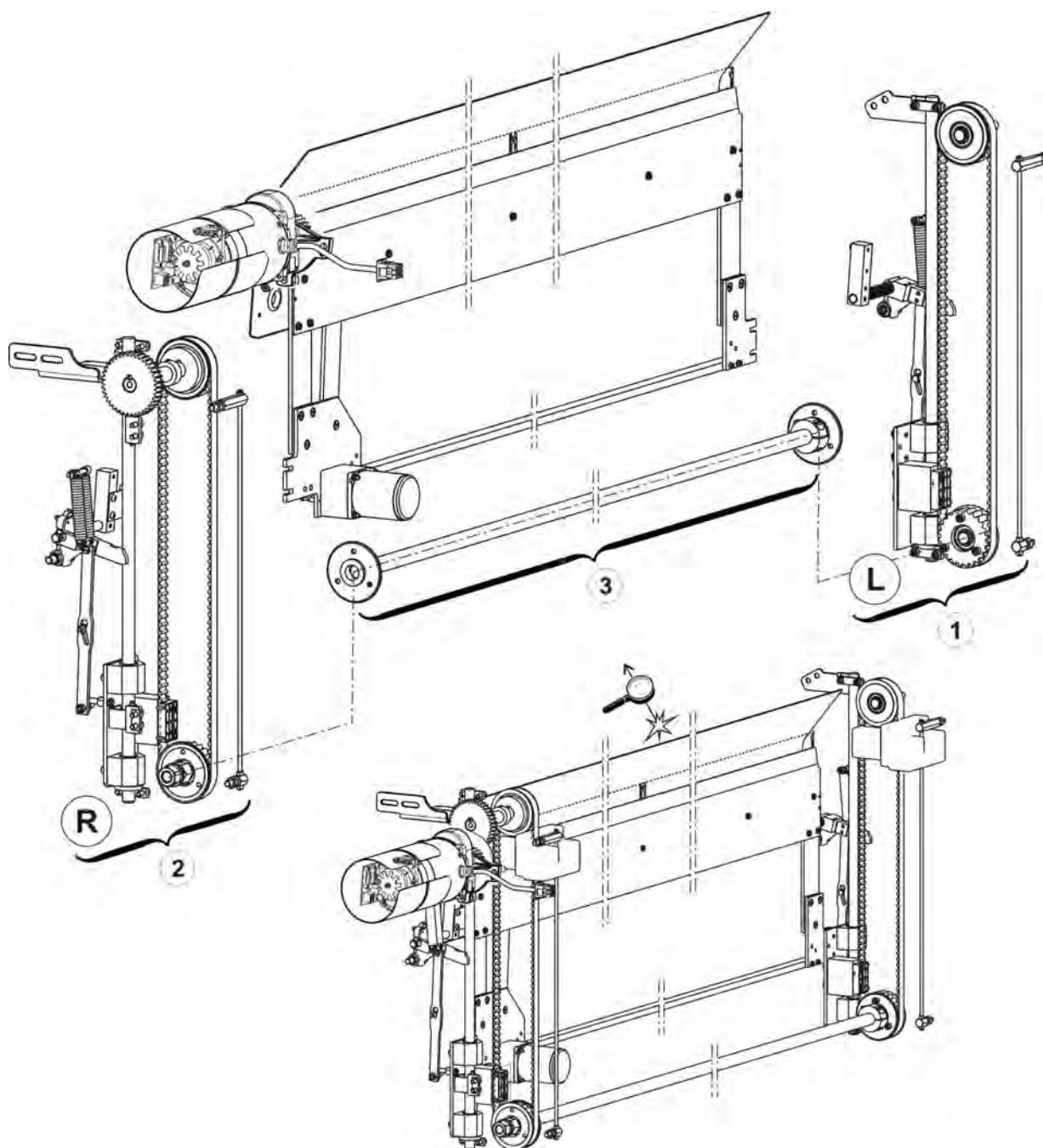


7 Comb Take-down



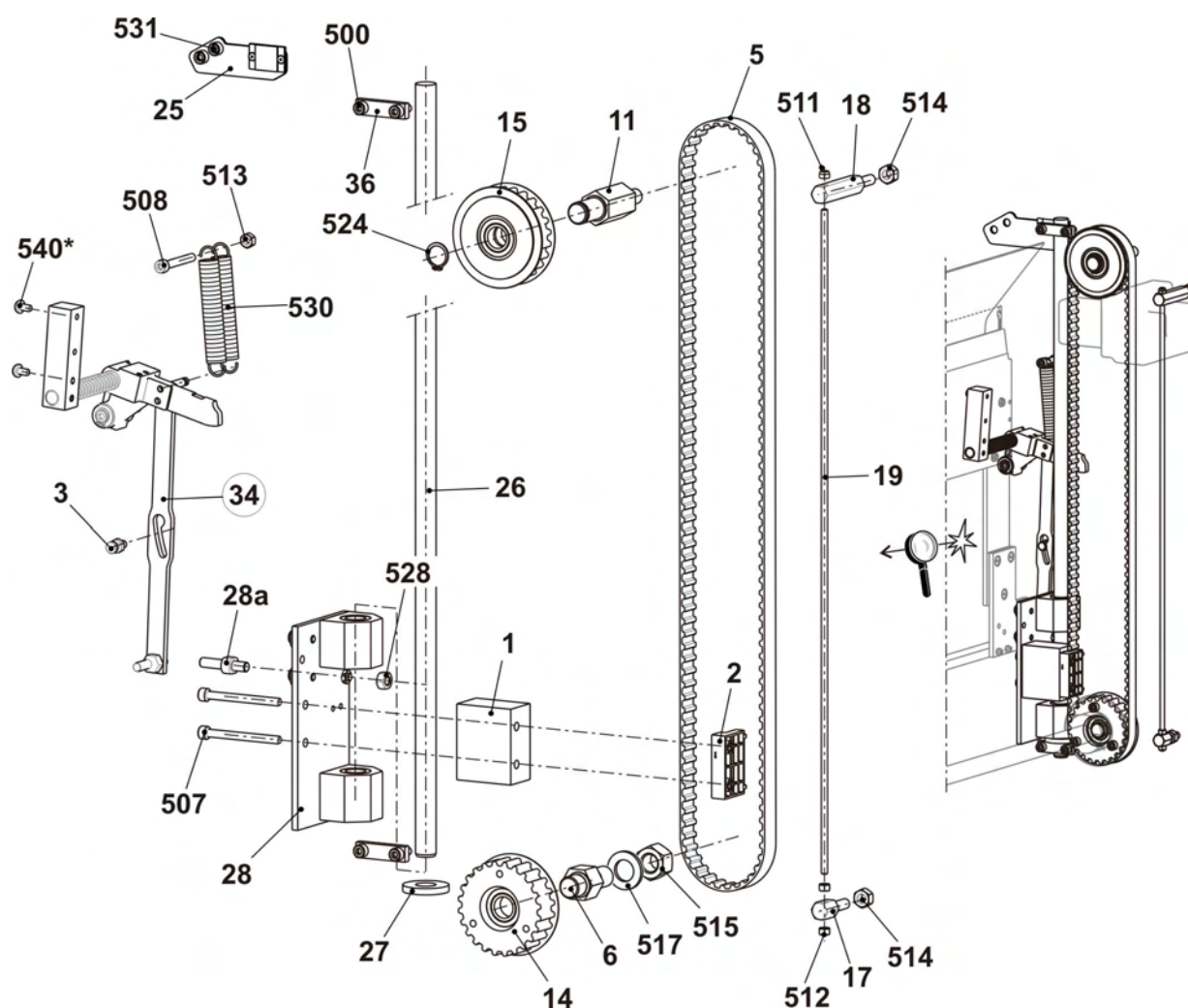
7.1 Comb Take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down				
1	Comb take-down on the left	256 836	3	E12 E6.2 E6.2(12m.10)	253 789
2	Comb take-down on the right	256 837		E14 E7.2 E7.2(14/12)	253 840
3	Comb take-down in the middle			E16 E8.2	257 020
	E10	262 015		E18	257 021



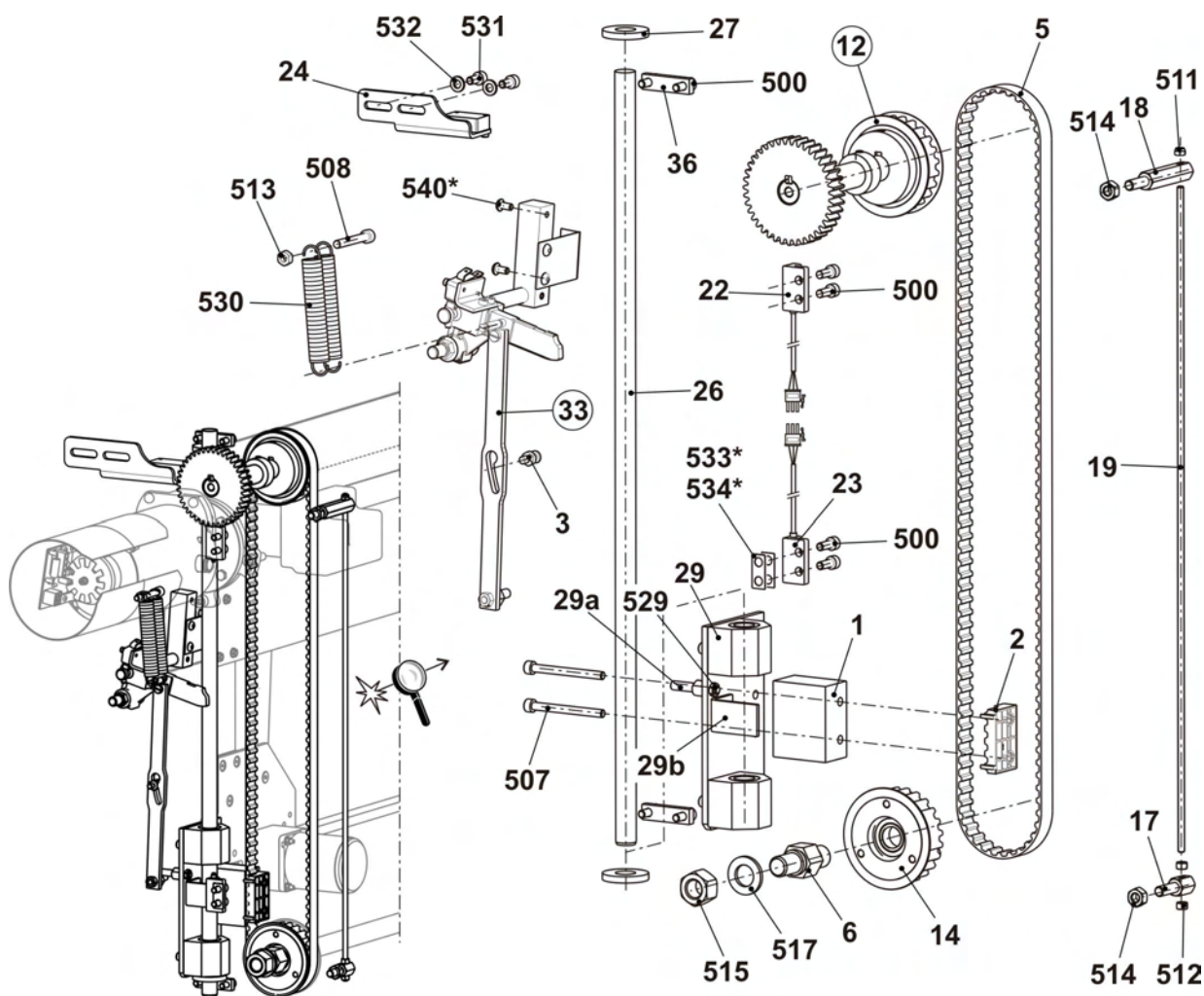
7.2 Comb take-down on the left

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



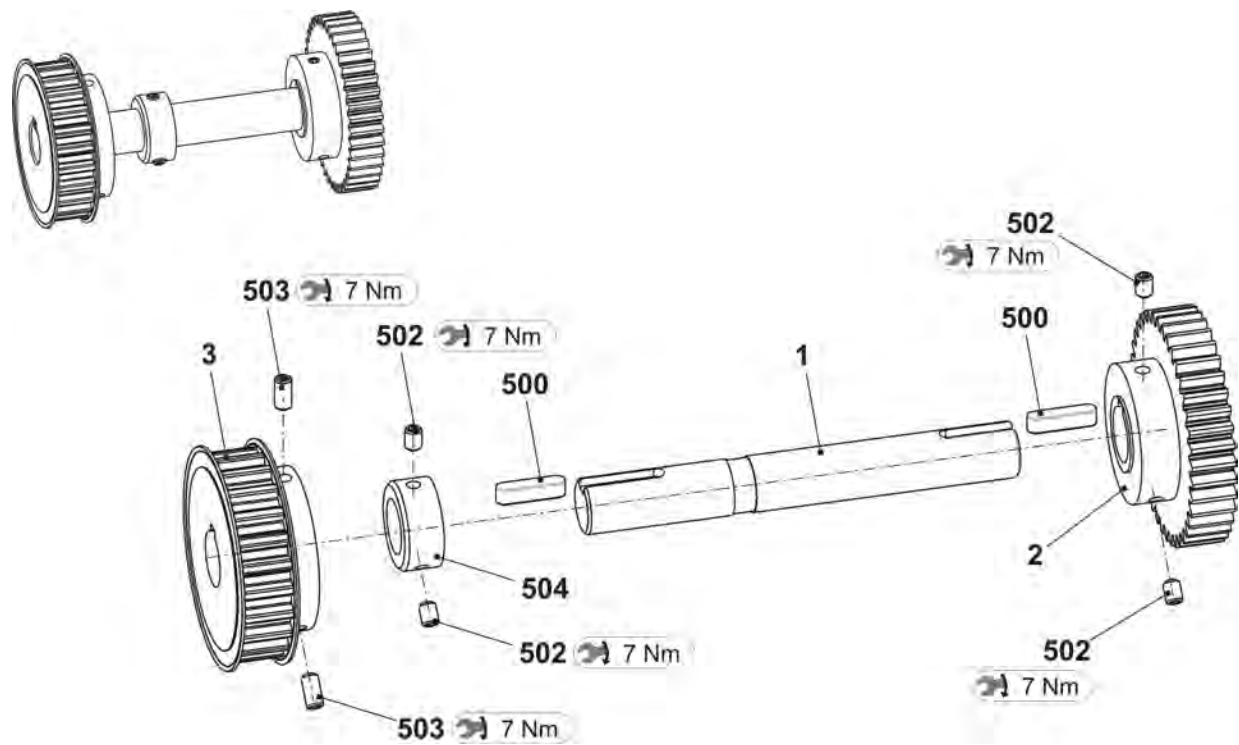
7.3 Comb take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the right	256 837			
1	Clamping piece	209 379		529 Hexagon nut M8-6	020 838
2	Pressure plate	241 967	33	Swivel lever on the right	252 858
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
12	Drive shaft comb complete	214 583	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
17	Stay bolt	222 315	512	Hexagon nut M5-6	020 835
18	Stay bolt	240 056	513	Hexagon nut M6-6	020 836
19	Threaded rod M5	240 057	514	Hexagon nut M8-6	020 838
22	Proximity switch inductive at the top	231 516	515	Hexagon nut M16-6	020 845
23	Proximity switch inductive at the bottom	231 520	517	Washer 16	020 876
24	Light barrier complete	256 825	530	Tension spring 15x1,50x70,94	251 614
26	Guide bar C35	206 560	531	Cap screw M6x12	020 134
27	Rubber buffer	206 561	532	Washer 6	020 872
29	Comb guide on the right	255 424	533*	Shim 0,2x12x27	023 735
29a	Driving bolt	255 427	534*	Shim 0,5x12x27	023 736
29b	Angle	240 112	540*	Pan-head screw M5x10	023 247



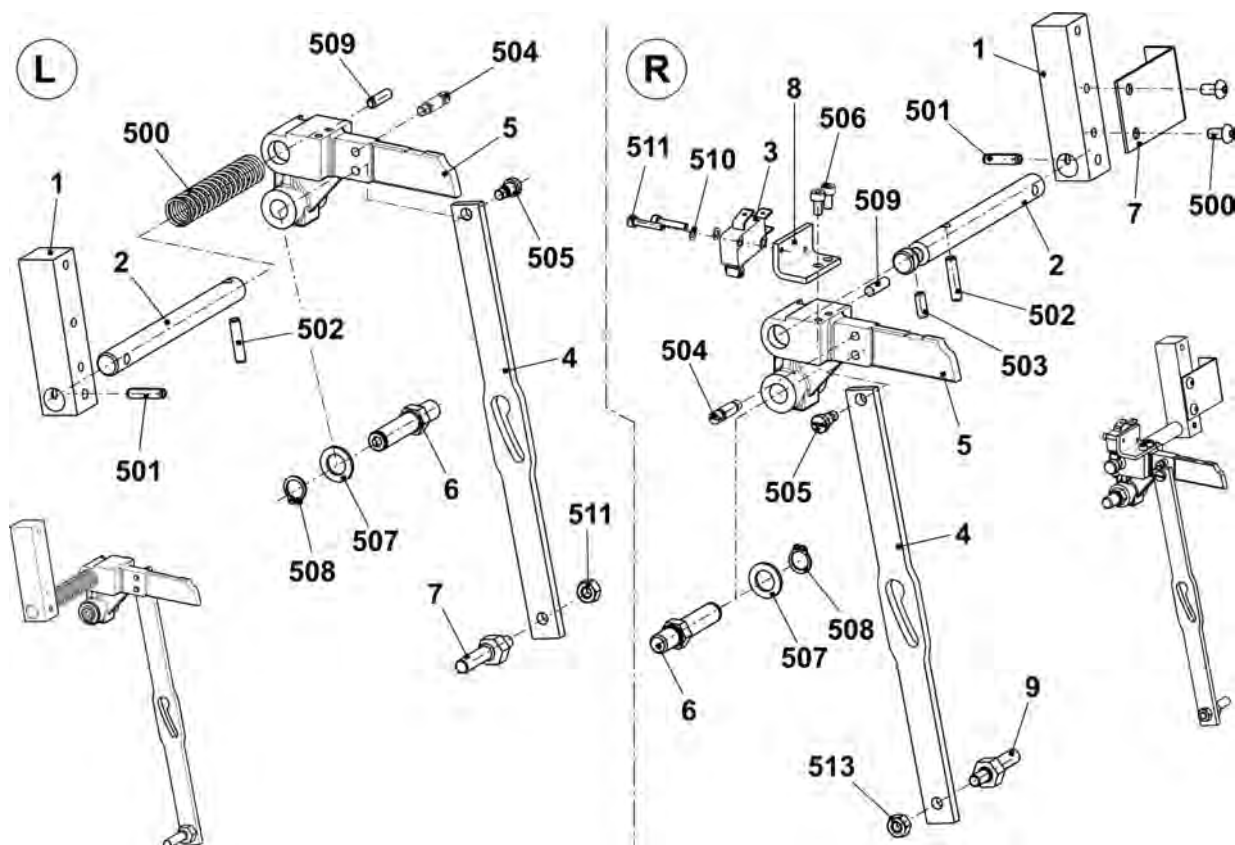
7.3.1 Drive shaft of comb

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



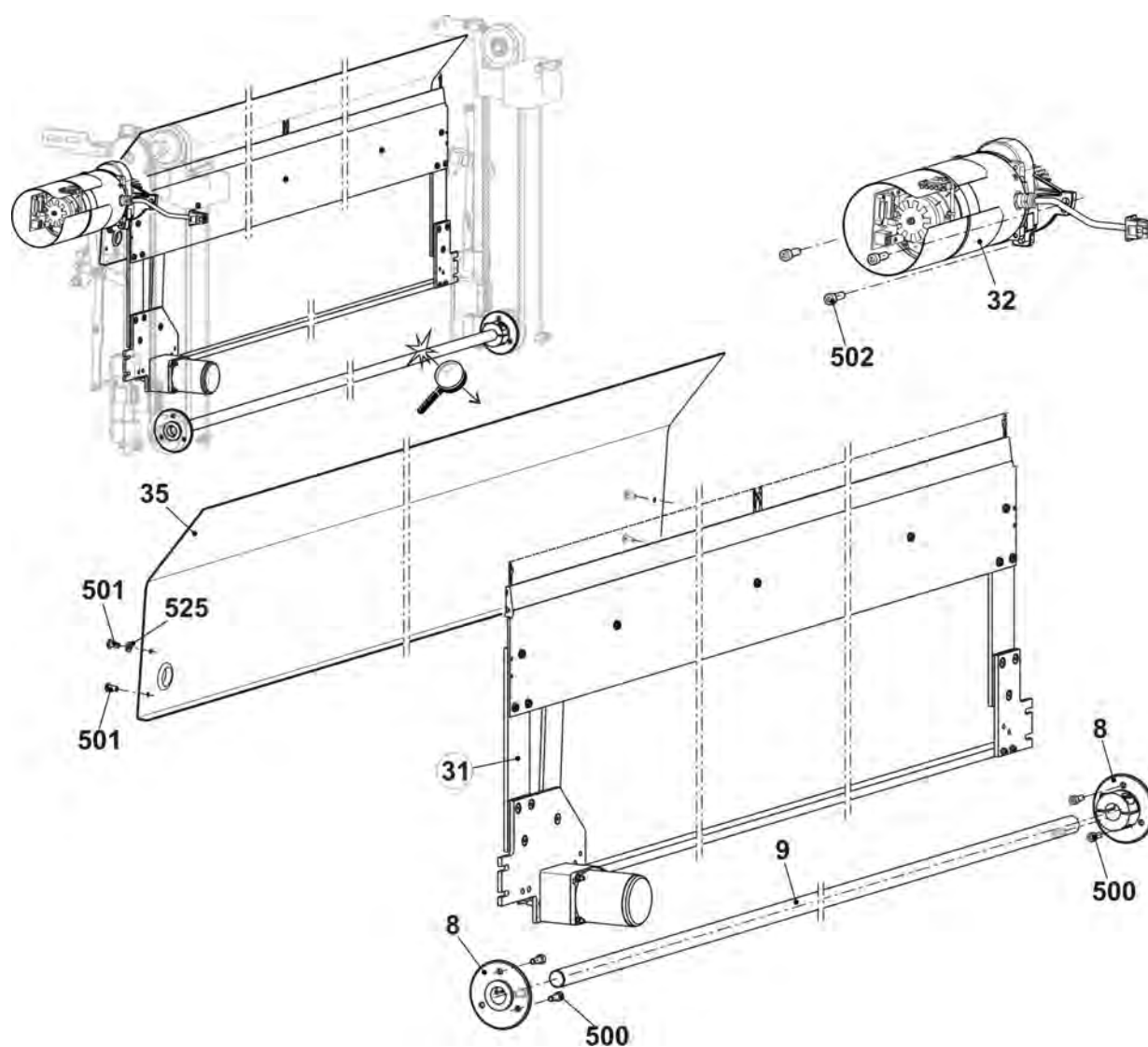
7.3.2 Swivel lever comb take-down

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ L	Swivel lever on the left	252 859	3	Microswitch	026 259
1	Support	252 780	4	Plunger	255 650
2	Shaft	223 994	5	Swivel lever	239 248
4	Plunger	255 650	6	Bolts	214 053
5	Swivel lever	239 248	7	Angle	224 009
6	Bolts	214 053	8	Angle	238 304
7	Eccentric bolt	255 651	9	Eccentric bolt	255 651
500	Compression spring 1,4x13,6x93	023 572	500	Pan-head screw M5x10	023 247
501	Spring dowel sleeve Iso8752-5x20	020 794	501	Spring dowel sleeve 5x20	020 794
502	Dowel pin5x22	023 716	502	Dowel pin5x22	023 716
504	Shoulder screwM5x29x35	251 618	503	Spring dowel sleeve 5x12	020 793
505	Shoulder screw M5x5,8x6,2	023 365	504	Shoulder screwM5x29x35	251 618
507	Washer 10	020 884	505	Shoulder screw M5X5,8X6,2	023 365
508	Retaining ring	020 950	506	Cap screw M4x8	022 501
509	Shoulder screw M5x12x18	020 539	507	Washer 10	020 884
511	Hexagon nut M8-6	020 838	508	Retaining ring10x1	020 950
Σ R	Swivel lever on the right	252 858	509	Shoulder screwM5X12X18	020 539
1	Support	252 780	510	Cap screw M3x16	022 583
2	Shaft	238 339	511	Washer 3	020 877
			513	Hexagon nut M8-6	020 838



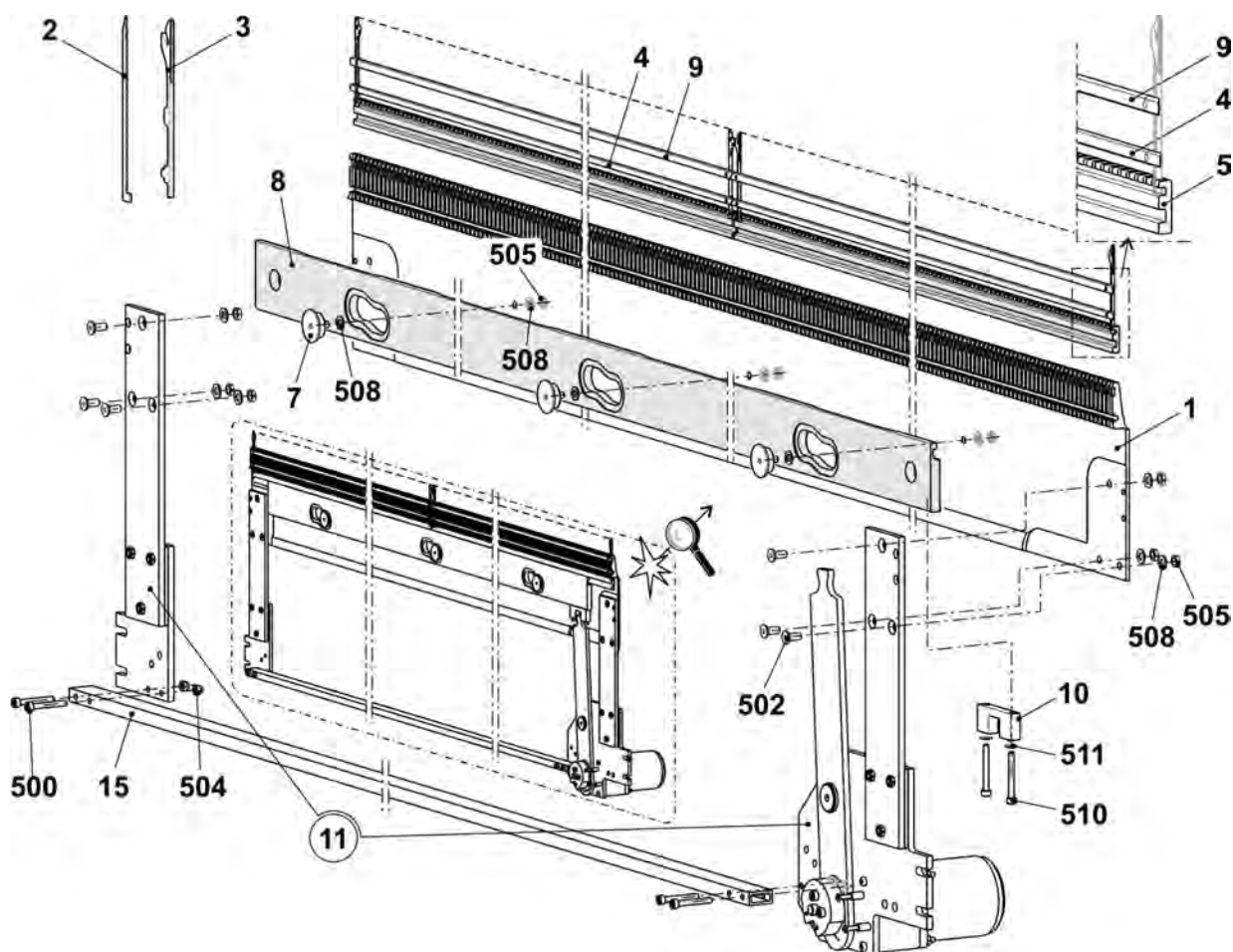
7.4 Comb take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down in the middle		31	Comb unit	
	E10	262 015		E10	265 418
	E12 E6.2 E6.2(12m.10)	253 789		E12 E6.2 E6.2(12m.10)	265 419
	E14 E7.2 E7.2(14/12)	253 840		E14 E7.2 E7.2(14/12)	265 420
	E16 E8.2	257 020		E16 E8.2	265 421
	E18	257 021		E18	265 422
8	Flange	207 695	32	Motor take-down unit complete	253 803
9	Shaft long	251700	35	Marking plate	259 238
500	Cap screw M6x16	020 135	502	Cap screw M8x25	020 142
501	Pan-head screw M5x10	023 247	525	Serrated lock washer J5,3	022 489



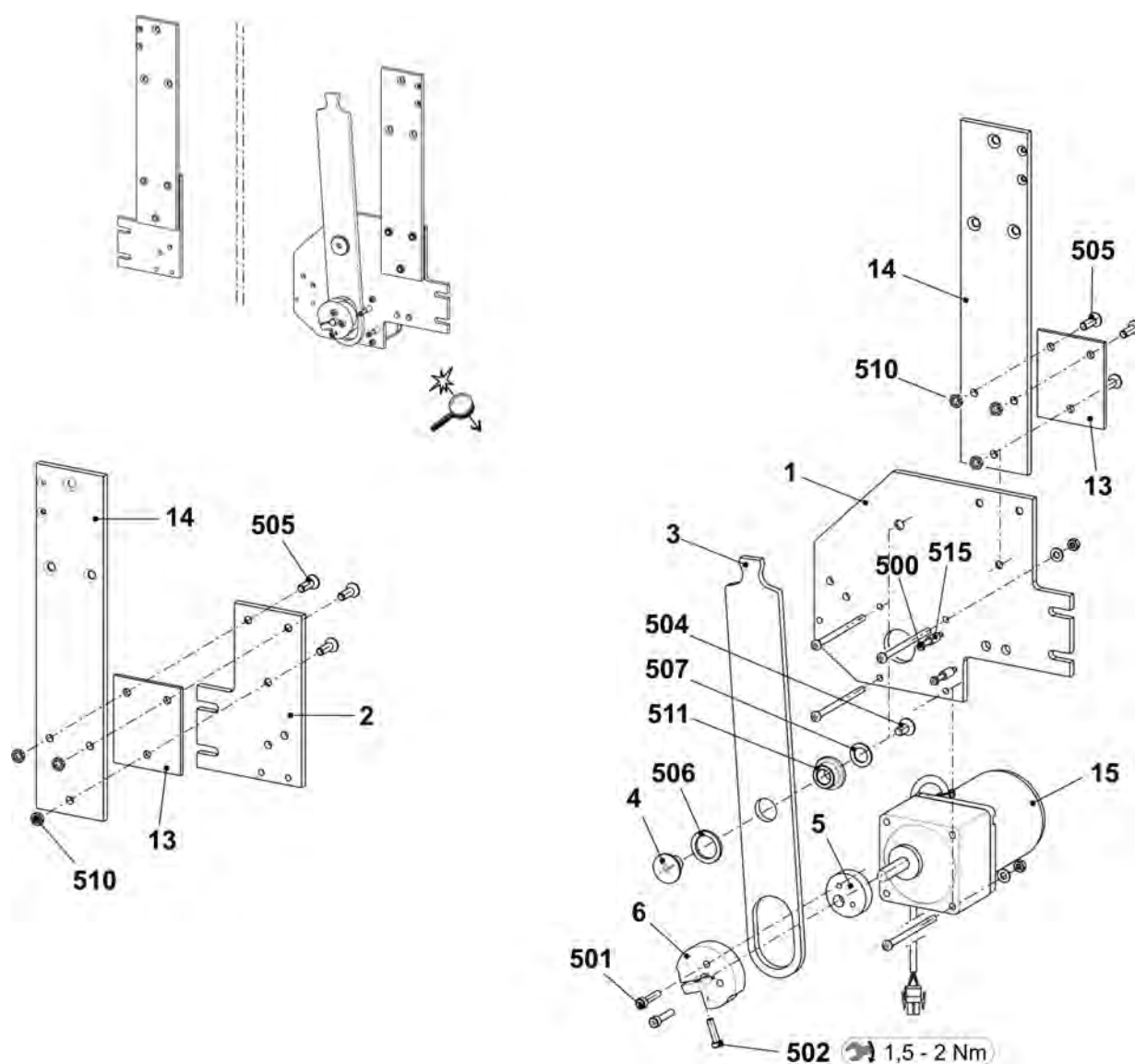
7.4.1 Comb unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb unit		5	Hook slider	
	E10	265 418		E10	261 989
	E12 E6.2 E6.2(12m.10)	265 419		E12 E16 E6.2 8.2 E6.2(12m.10)	251 709
	E14 E7.2	265 420		E14 E7.2	251 708
	E16 E8.2	265 421		E18	257 016
	E18	265 422	7	Collar bolt complete	211 036
1	Hook bed		8	Cross slider	251 701
	E10	265 410	9	Cover rail	251 702
	E12 E6.2 E6.2(12m.10)	265 411	10	Plunger	205 678
	E14 E7.2	265 412	11	Switching lever complete	240 060
	E16 E8.2	265 413	15	Stabilizer	251 697
	E18	265 414	500	Cap screw M4x12	022 664
2	Closer		502	Countersunk head screw M5x12	023 340
	E10 E12 E14 E6.2 E7.2 E6.2(12m.10)	230 106	504	Hexagon nut M4-8	023 046
	E16 E18 E8.2	230 107	505	Hexagon nut M5-04	020 854
3	Body		508	Washer 5	020 871
	E10 E12 E14 E6.2 E7.2 E6.2(12m.10)	230 094	510	Cap screw M4x35	023 550
	E16 E18 E8.2	230 095	511	Circlip	022 774
4	Cover rail	251 696			

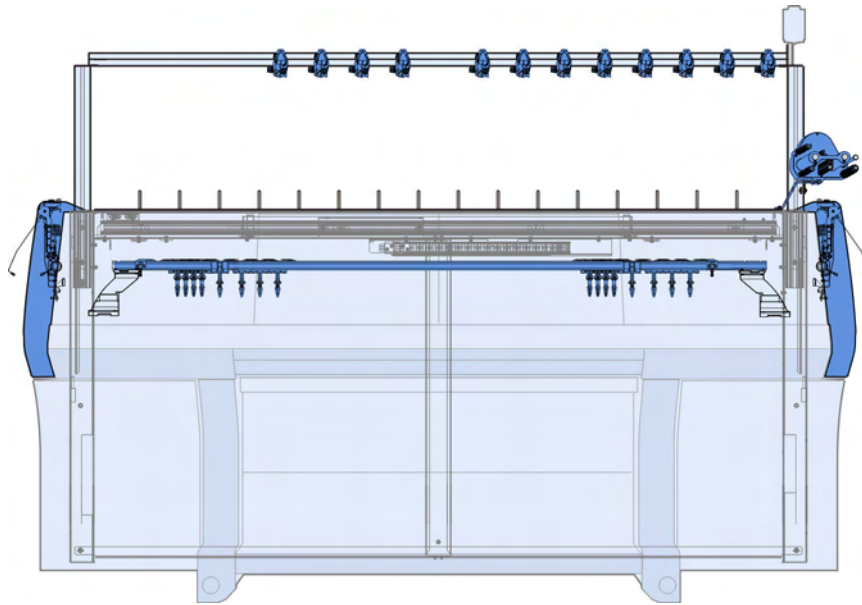


7.4.2 Switching lever comb take-down

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

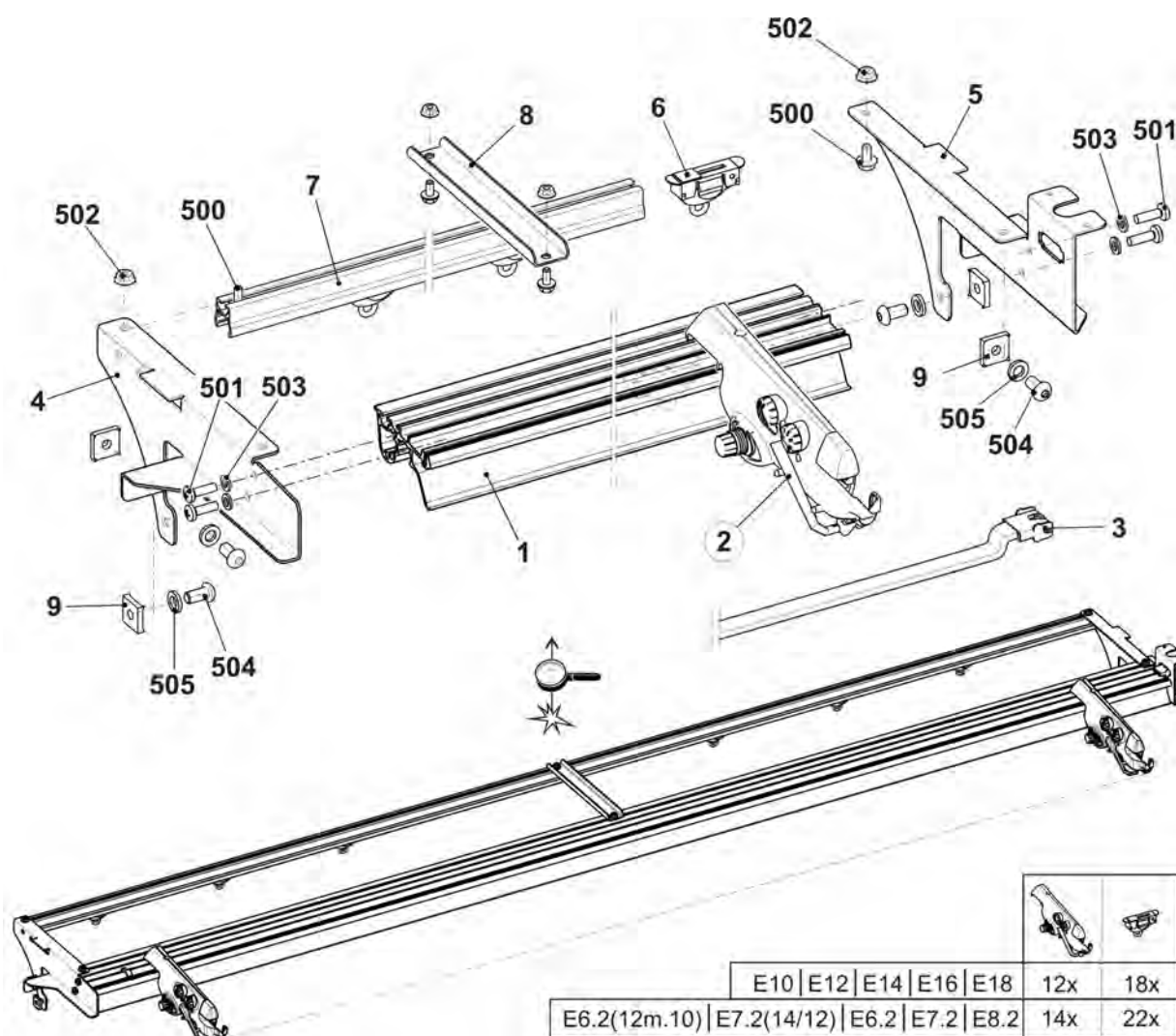


8 Yarn delivery device



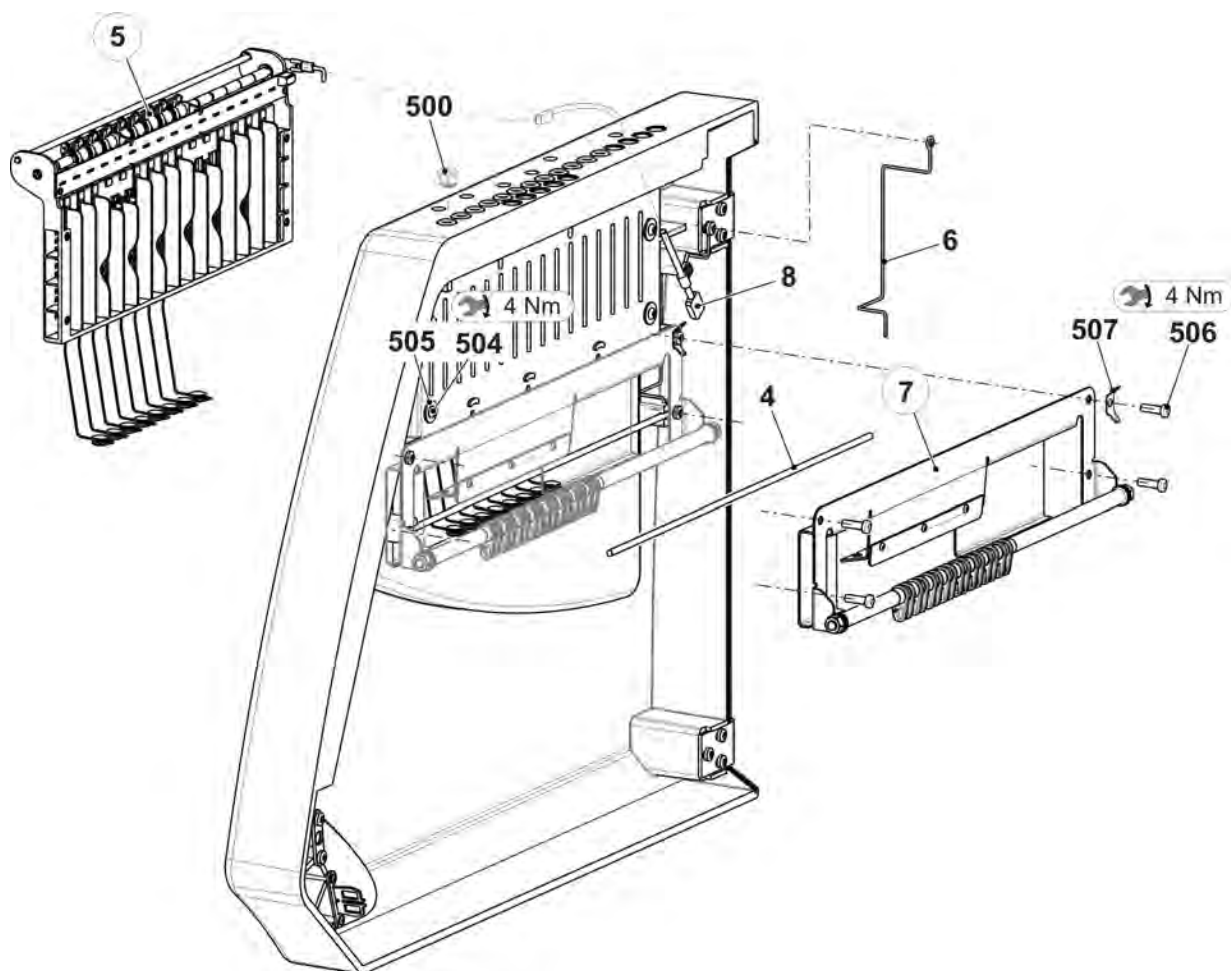
8.1 Yarn guide device

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Yarn guide device 12 FKE 45" E10 E12 E14 E16 E18	256 929			
	Yarn guide device 14 FKE 45" E6.2(12m.10) E7.2(14/12) E6.2 E7.2 E8.2	264 342	8	Straps	264 555
1	Straps	264 652	9	Slot nut	228 851
2	Yarn control device(FKE)	237 124	500	Self-locking screw M6x12	023 415
3	Connection cable FKE E2	251 653	501	Screw M6x20	023 721
4	Support on the left	264 518	502	Serrated nut M6-10	023 414
5	Support on the right	264 519	503	Washer 6	022 431
6	Yarn guide bracket complete	241 581	504	Pan-head screw M8x16	023 113
7	Yarn guide bar45"	251 631	505	Serrated lock washer	023 388



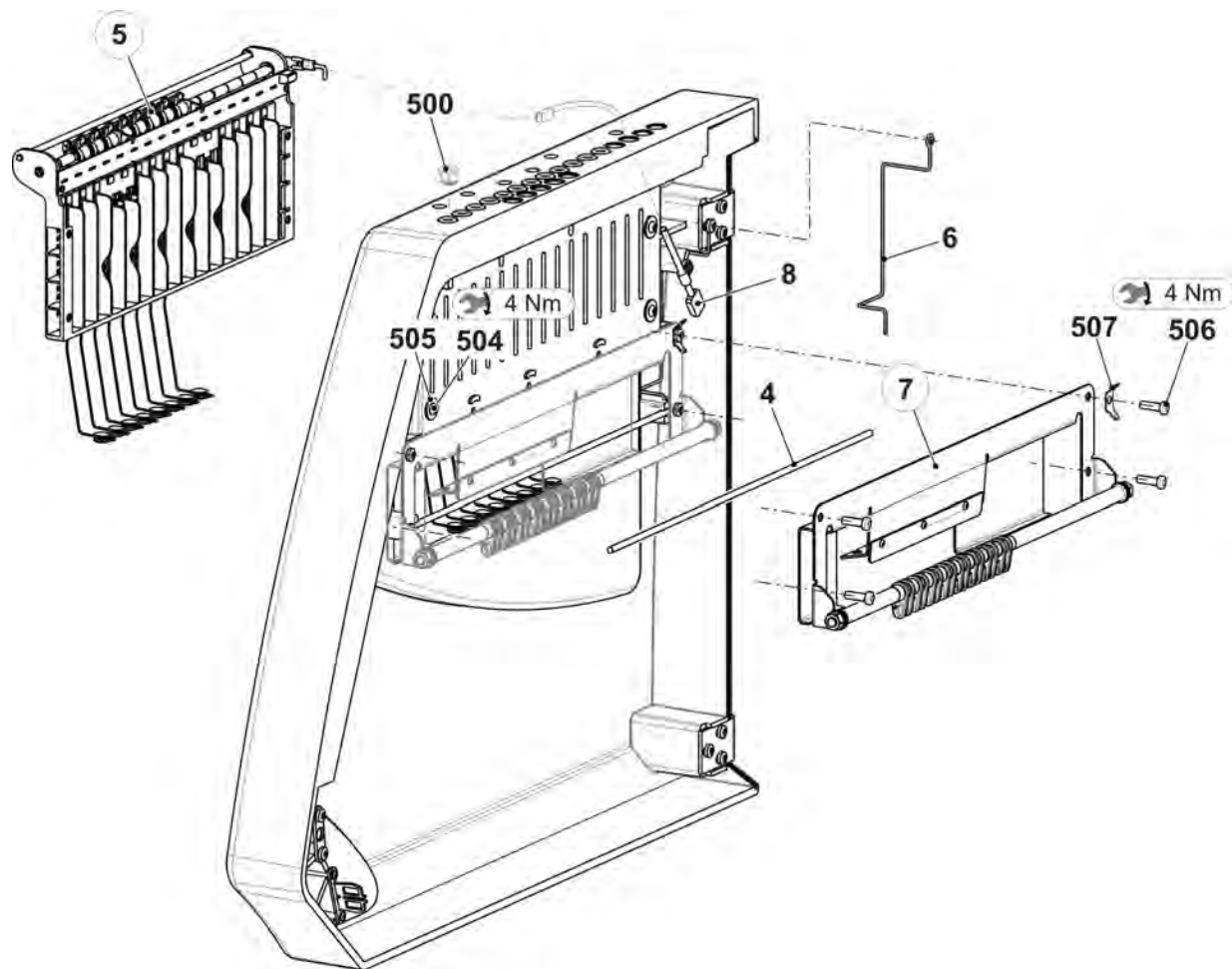
8.2 Left yarn guide 10 | E12 | E14 | E16 | E18 | E78.2(14/12) | E6.2(12m. 10) | E7.2 | E8.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete E10-18	265 336			
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the left complete E10-18	264 088	504	Pan-head screw M5x16	265 377
6	Wire bow on the left	265 052	505	Washer 5,3x18x1,5	020 909
7	Yarn deflector on the left complete	265 308	506	Screw 6x20	265 379
8	Connection cable yarn tensionerokc	240 808	507	Flat connector 2x45° M6	243 117



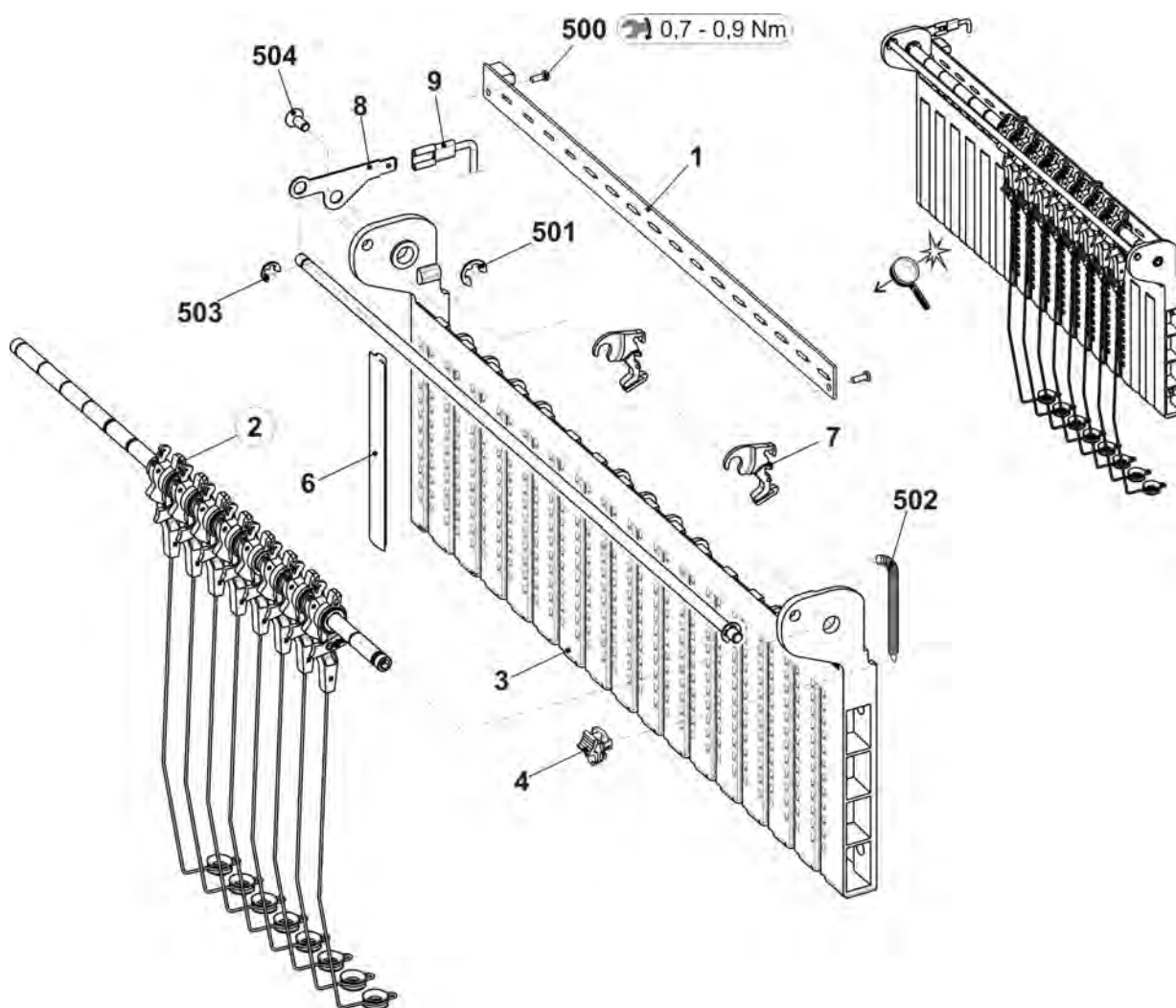
8.3 Left yarn guide E6.2

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



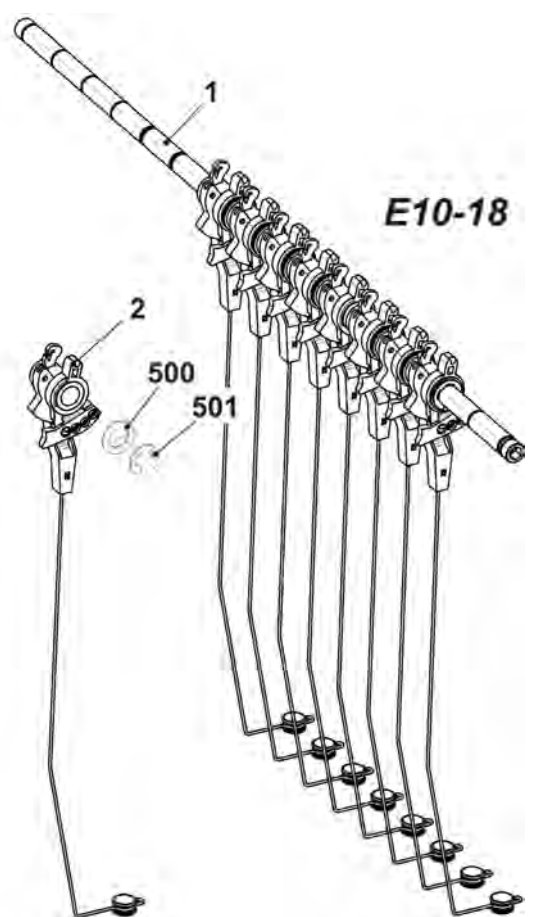
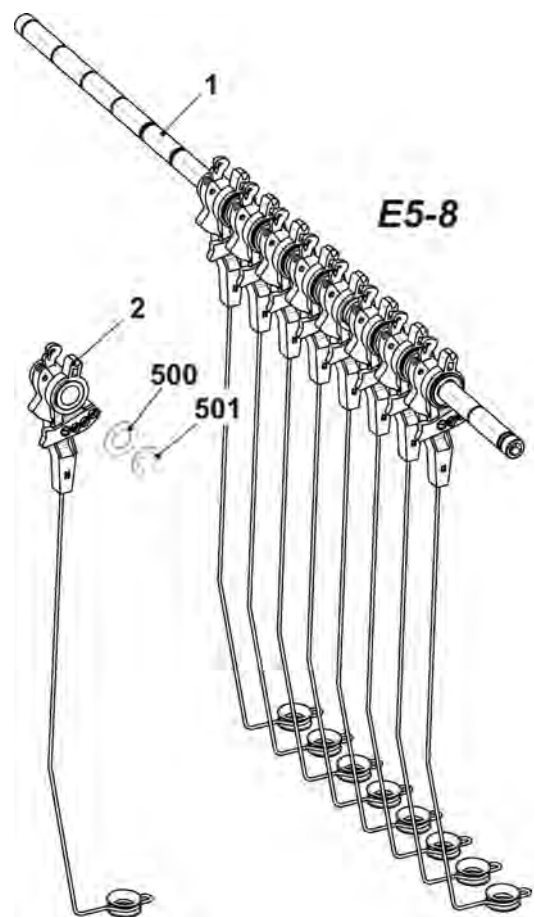
8.4 Yarn tensioner on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn tensioner on the left complete E7-8	264 087			
	Yarn tensioner on the left complete E10-18	264 088	7	Spacer	242 048
1	Card yarn tensioner 16-fold on the left	241 345	8	Grounding plate of tension axle	243 121
2	Tension axle on the left complete E5-8	264 090	9	Ground cable yarn tensioner okc	243 105
	Tension axle on the left complete E10-18	264 091	500	Screw KB 30x8	236 228
3	Housing	241 367	501	Circlip	021 022
4	Slider	241 694	502	Tension spring 4,9x0,5x53 E6.2	023 503
5	Stop point	241 368	503	Circlip	021 020
6	Border	242 268	504	Countersunk screw M4x10	241 914



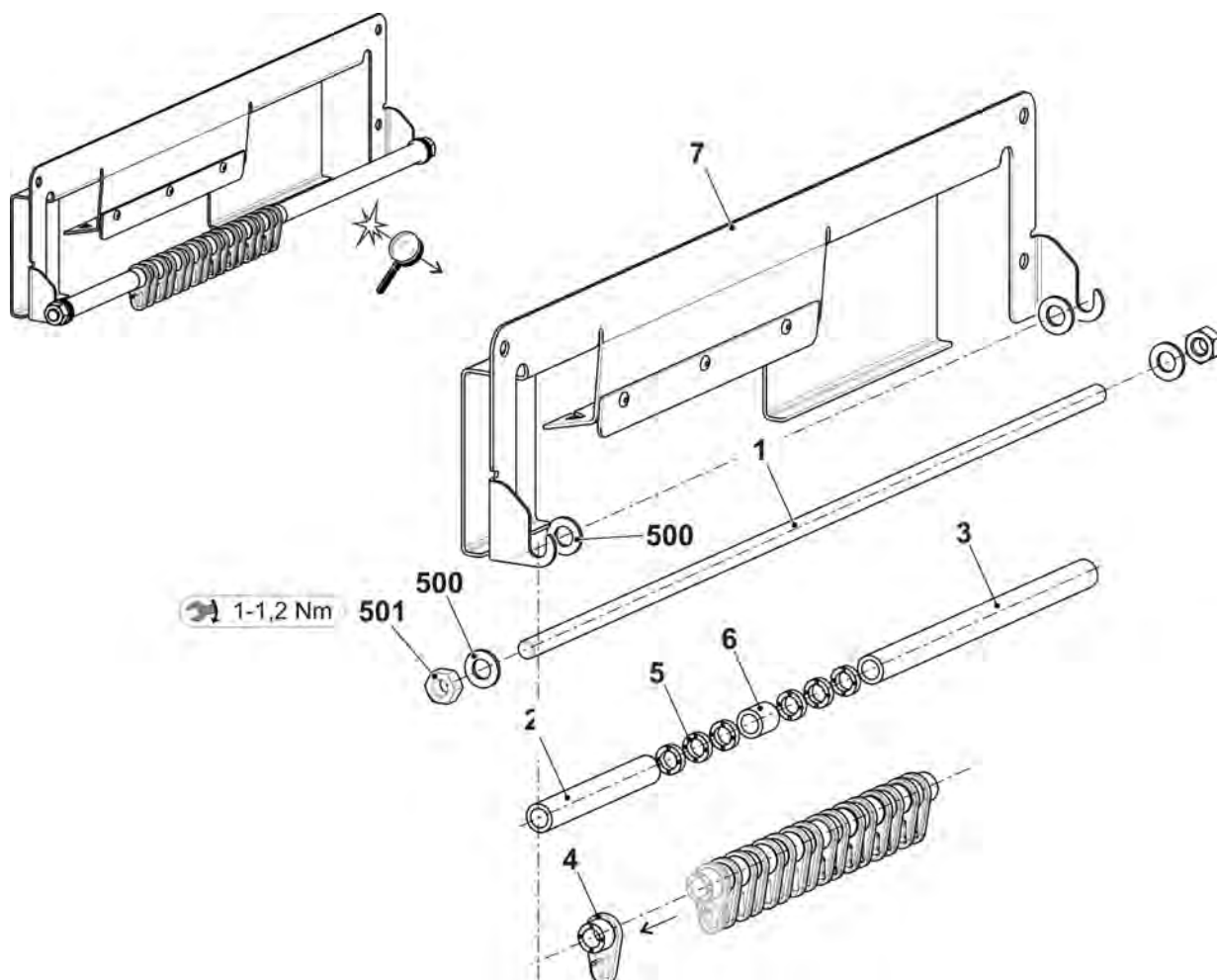
8.4.1 Left tension axle

Pos	Designation	Id	Pos	Designation	Id
Σ	Tension axle on the left complete E5-8	264 090	Σ	Tension axle on the left complete E10-18	264 091
1	Axle	243 107	1	Axle	243 107
2	Tension arm pre-assembledE3-8	259 448	2	Tension arm pre-assembledE10-18	258 459
500	Shim ring 8x14x0,5	023 501	500	Shim ring 8x14x0,5	023 501
501	Circlip 6	021 022	501	Circlip6	021 022



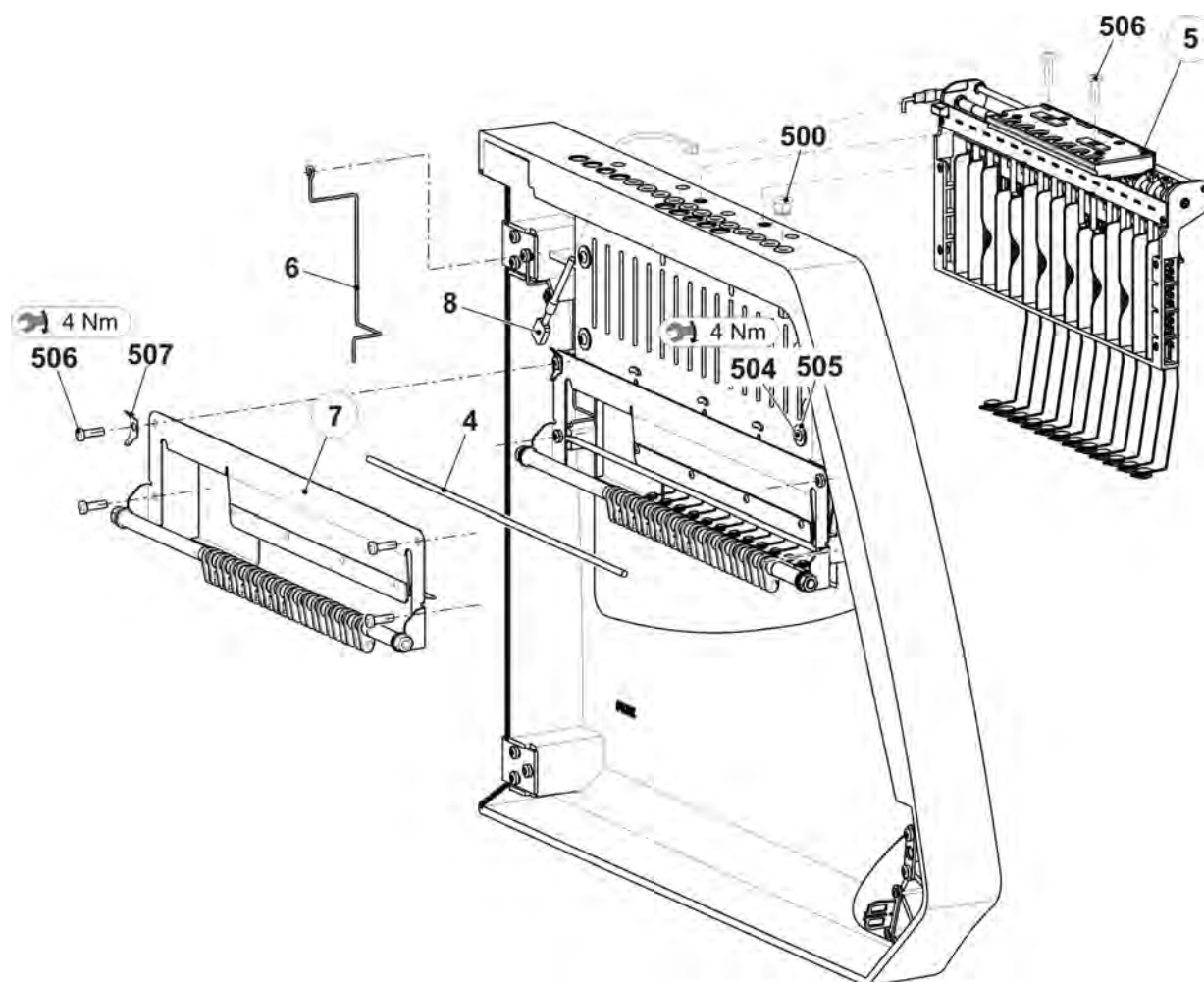
8.5 Yarn deflector on the left

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



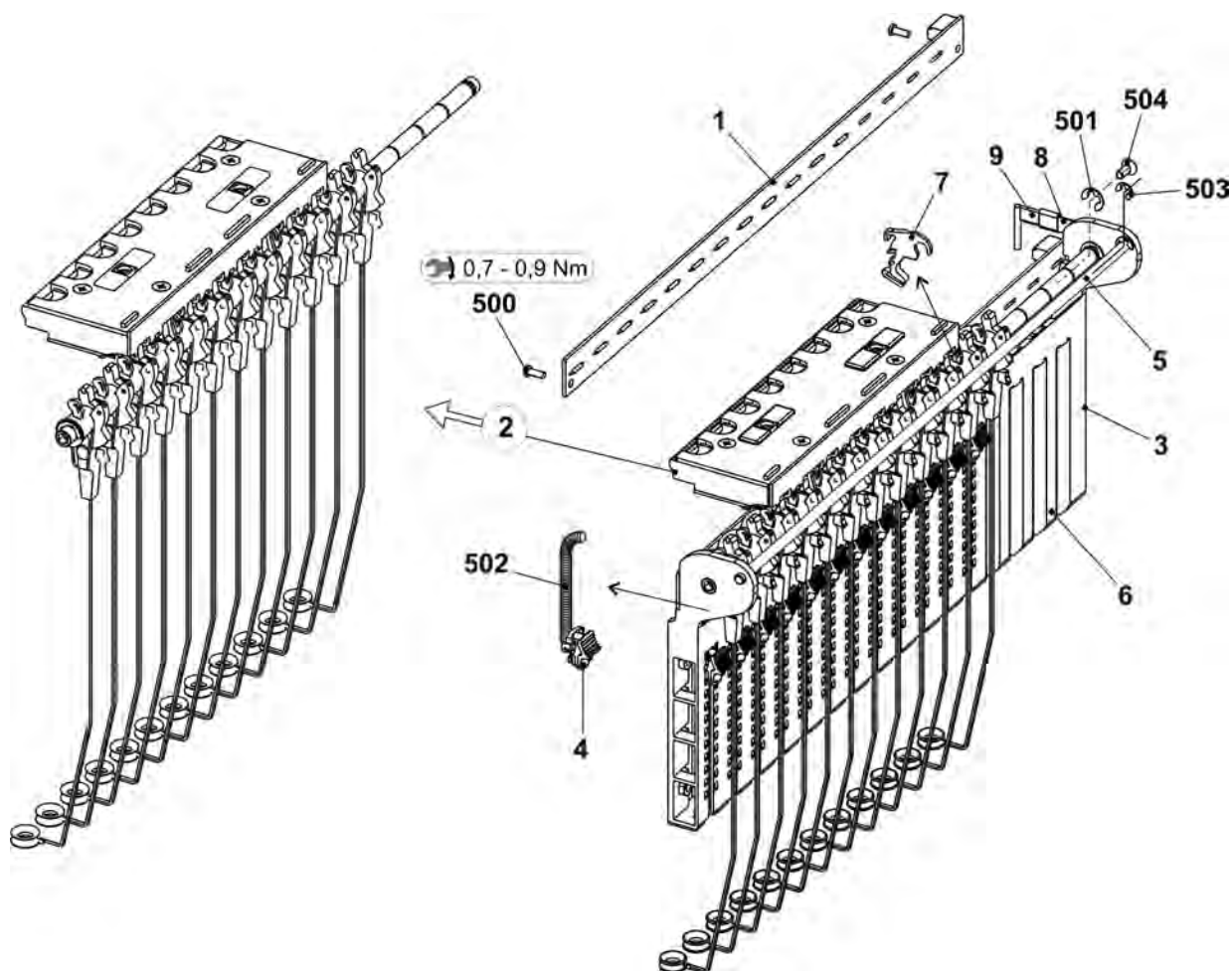
8.6 Right yarn guide E10 | E12 | E14 | E16 | E18 | E7.2(14/12) | E6.2(12m. 10) | E7.2 | E8.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete E10-18	265 333			
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the right complete E10-18	241 384	504	Pan-head screw M5x16	265 377
6	Wire bow on the right	265 053	505	Washer 5,3x18x1,5	020 909
7	Yarn deflector on the right complete	265 356	506	Screw 6x20	265 379
8	Connection cable yarn tensionerokc	240 808	507	Flat connector 2x45° M6	243 117



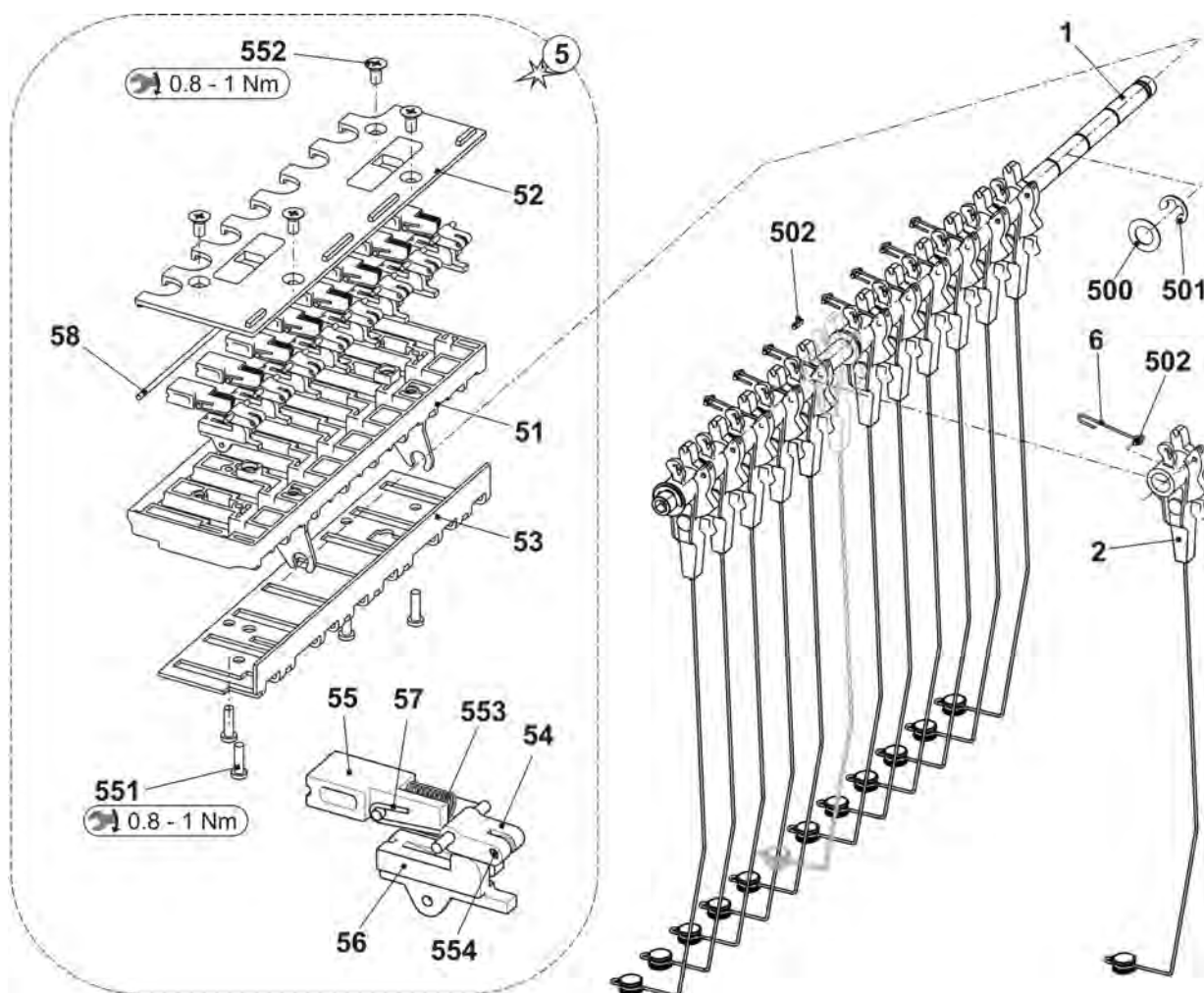
8.6.1 Yarn tensioner on the right E10 | E12 | E14 | E16 | E18 | E14/12 | E6.2(12m.10) | E7.2 | E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn tensioner on the right complete E10-18	241 384			
1	Card yarn tensioner 16-fold on the right	241 346	8	Grounding plate of tension axle	243 121
2	Tension axle on the right complete E10-18	241 380	9	Ground cable yarn tensioner okc	243 105
3	Housing	241 367	500	Screw KB 30x8	236 228
4	Slider	241 694	501	Circlip	021 022
5	Stop point	241 368	502	Tension spring 4,9x0,45x53	023 504
6	Border	242 268	503	Circlip	021 020
7	Spacer	242 048	504	Countersunk screw M4x10	241 914



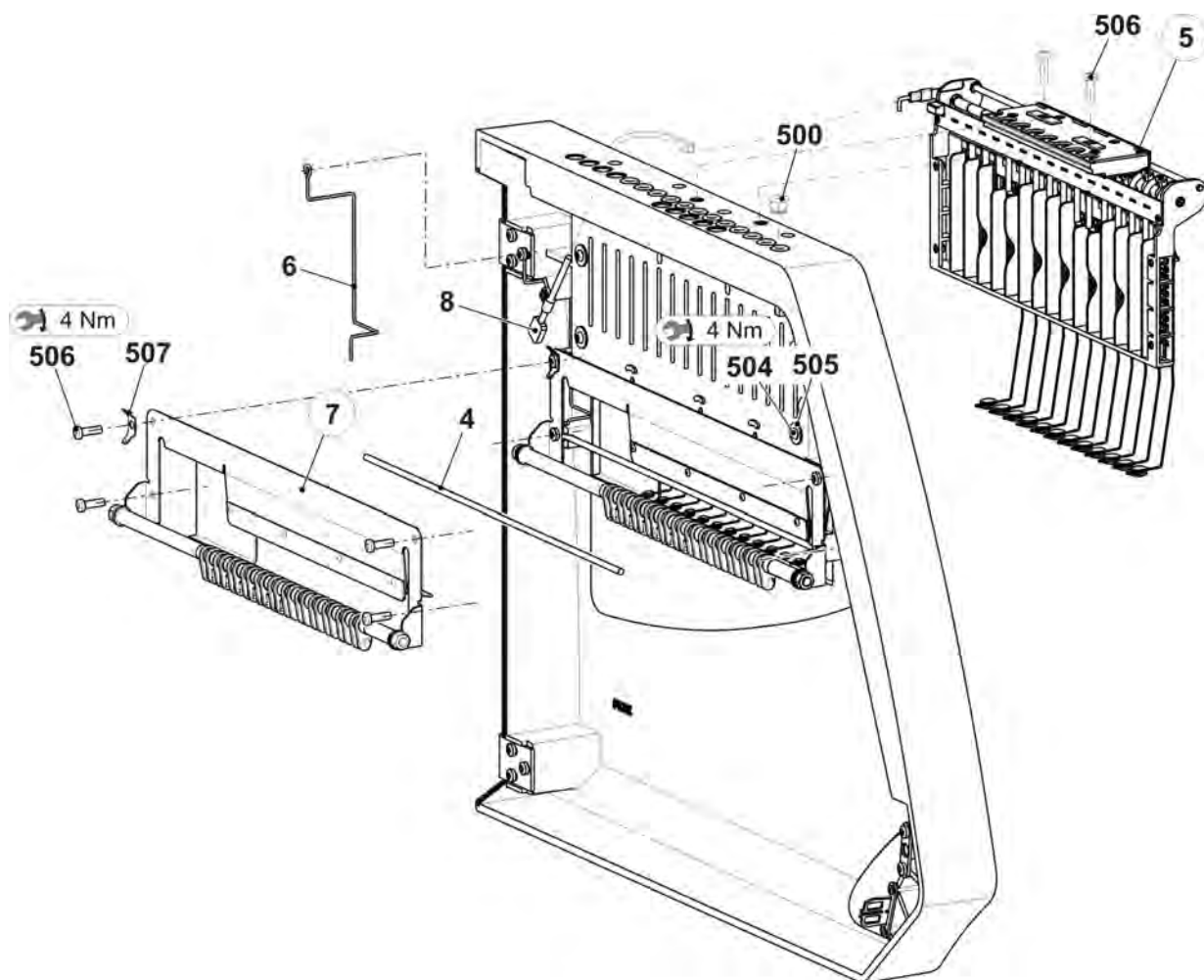
8.6.1.1 Tension axle on the right E10 | E12 | E14 | E16 | E18 | E14/12 | E6.2(12m.10) | E7.2 | E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Tension axle on the right complete E10-18	241 380	53	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107	54	Lever AKF	238 692
2	Tension arm pre-assembled	258 459	55	Pressure piece AKF	238 690
6	Wire bow	238 694	56	SliderAKF	238 691
500	Shim ring 8x14x0,5	023 501	57	Wire bow	238 694
501	Circlip	021 022	58	Wire	237 940
502	Grooved pin 2x6	243 172	551	Screw KB 35x12	237 681
Σ 5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	HousingAKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172



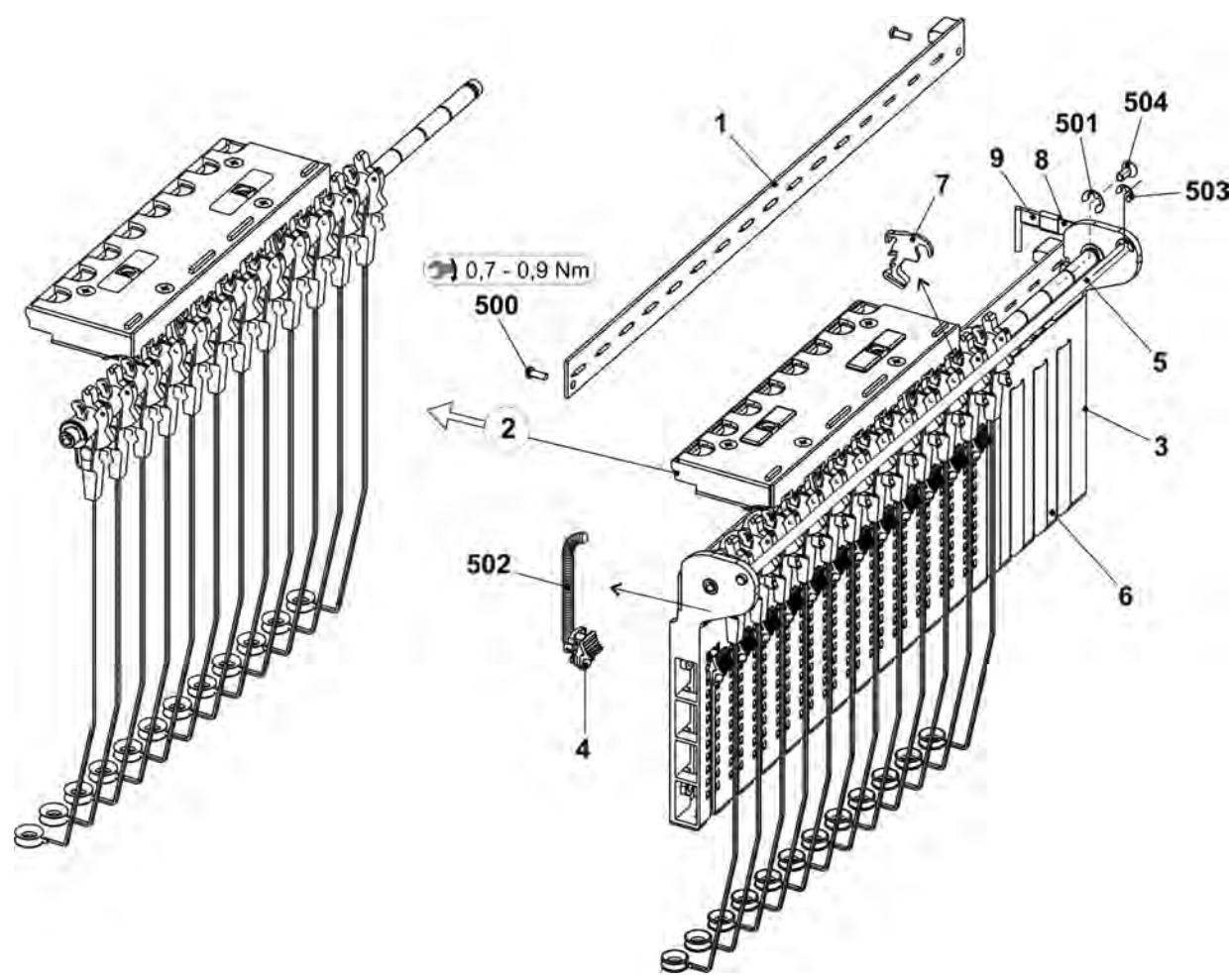
8.7 Right yarn guide E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete E7-8	265 332			
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the right complete E7-8	241 383	504	Pan-head screw M5x16	265 377
6	Wire bow on the right	265 053	505	Washer 5,3x18x1,5	020 909
7	Yarn deflector on the right complete	265 356	506	Screw 6x20	265 379
8	Connection cable yarn tensionerokc	240 808	507	Flat connector 2x45° M6	243 117



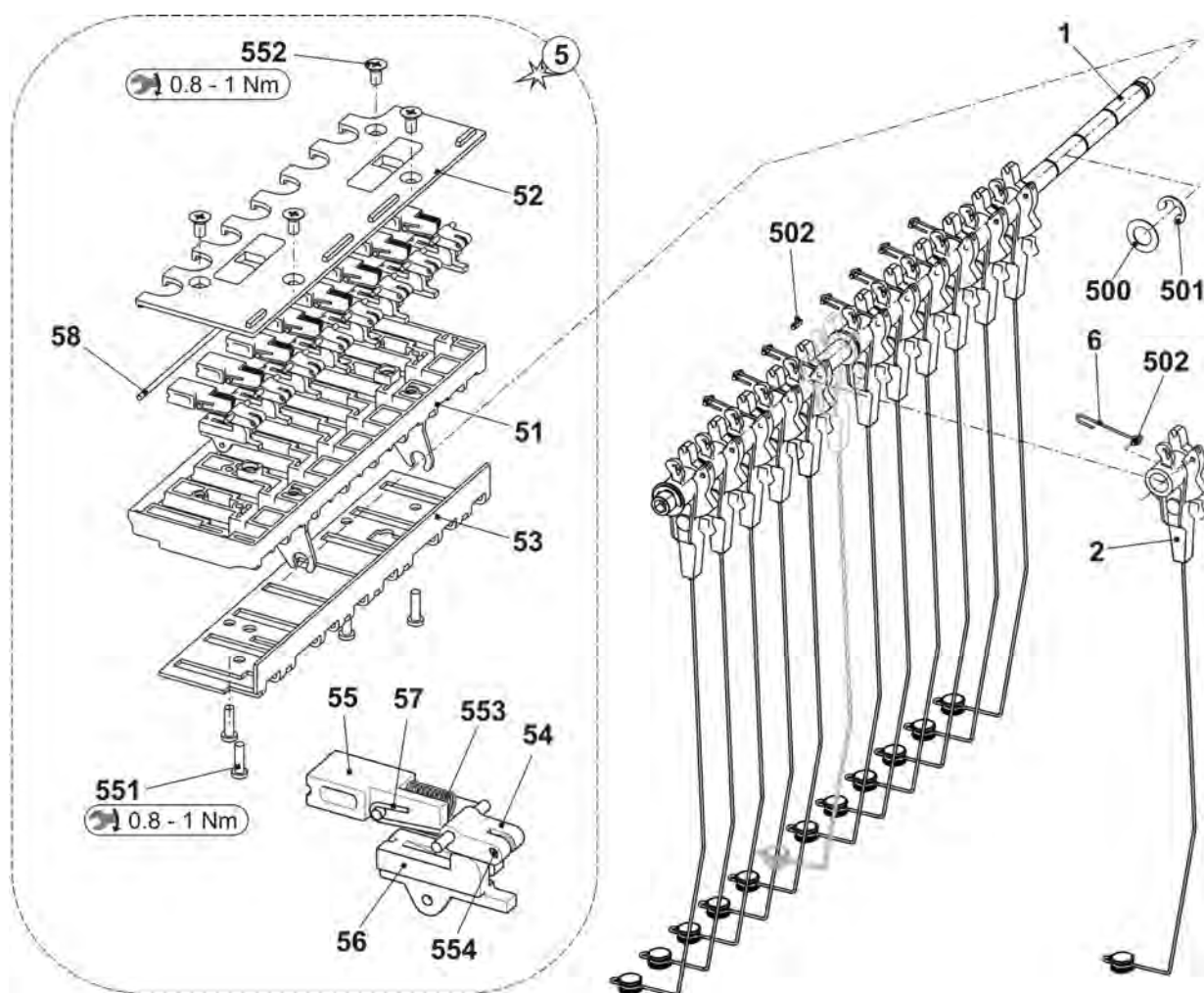
8.7.1 Right yarn tensioners E6.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Yarn tensioner on the right complete E7-8	241 383			
1	Card yarn tensioner 16-fold on the right	241 346	8	Grounding plate of tension axle	243 121
2	Tension axle on the right completeE3-8	241 379	9	Ground cable yarn tensioner okc	243 105
3	Housing	241 367	500	Screw KB 30x8	236 228
4	Slider	241 694	501	Circlip	021 022
5	Stop point	241 368	502	Tension spring 4,9x0,5x53	023 503
6	Border	242 268	503	Circlip	021 020
7	Spacer	242 048	504	Countersunk screw M4x10	241 914



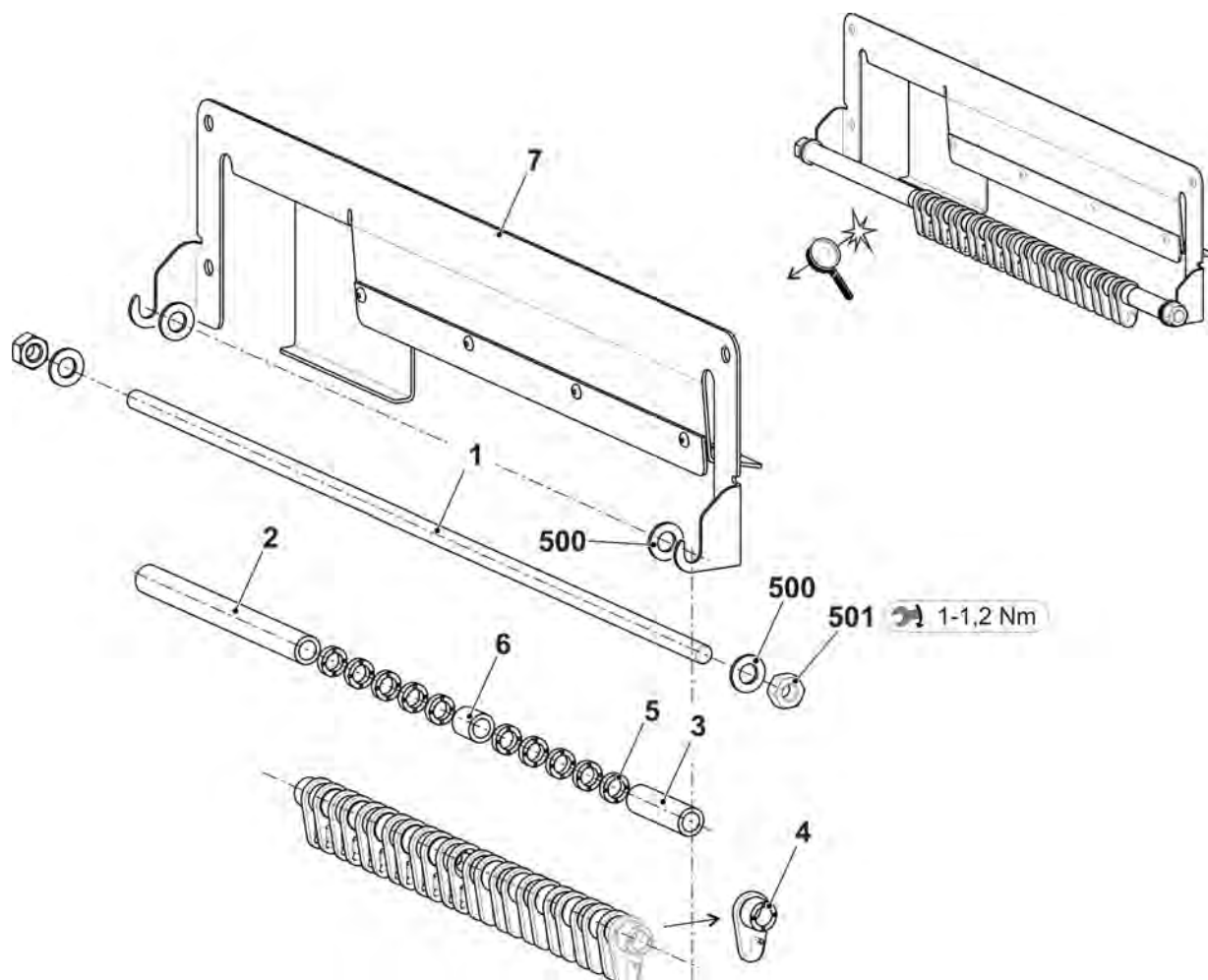
8.7.1.1 Right tension axle E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle on the right completeE3-8	241 379	56	SliderAKF	238 691
1	Axle	243 107	57	Wire bow	238 694
2	Tension arm pre-assembledE3-8	259 448	58	Wire	237 940
6	Wire bow	238 694	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
	51 HousingAKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
	52 Cover AKF	237 926	554	Grooved pin 2x6	243 172
	53 Sheet metal at the bottom (housing AKF)	240 719	500	Shim ring 8x14x0,5	023 501
	54 Lever AKF	238 692	501	Circlip	021 022
	55 Pressure piece AKF	238 690	502	Grooved pin 2x6	243 172



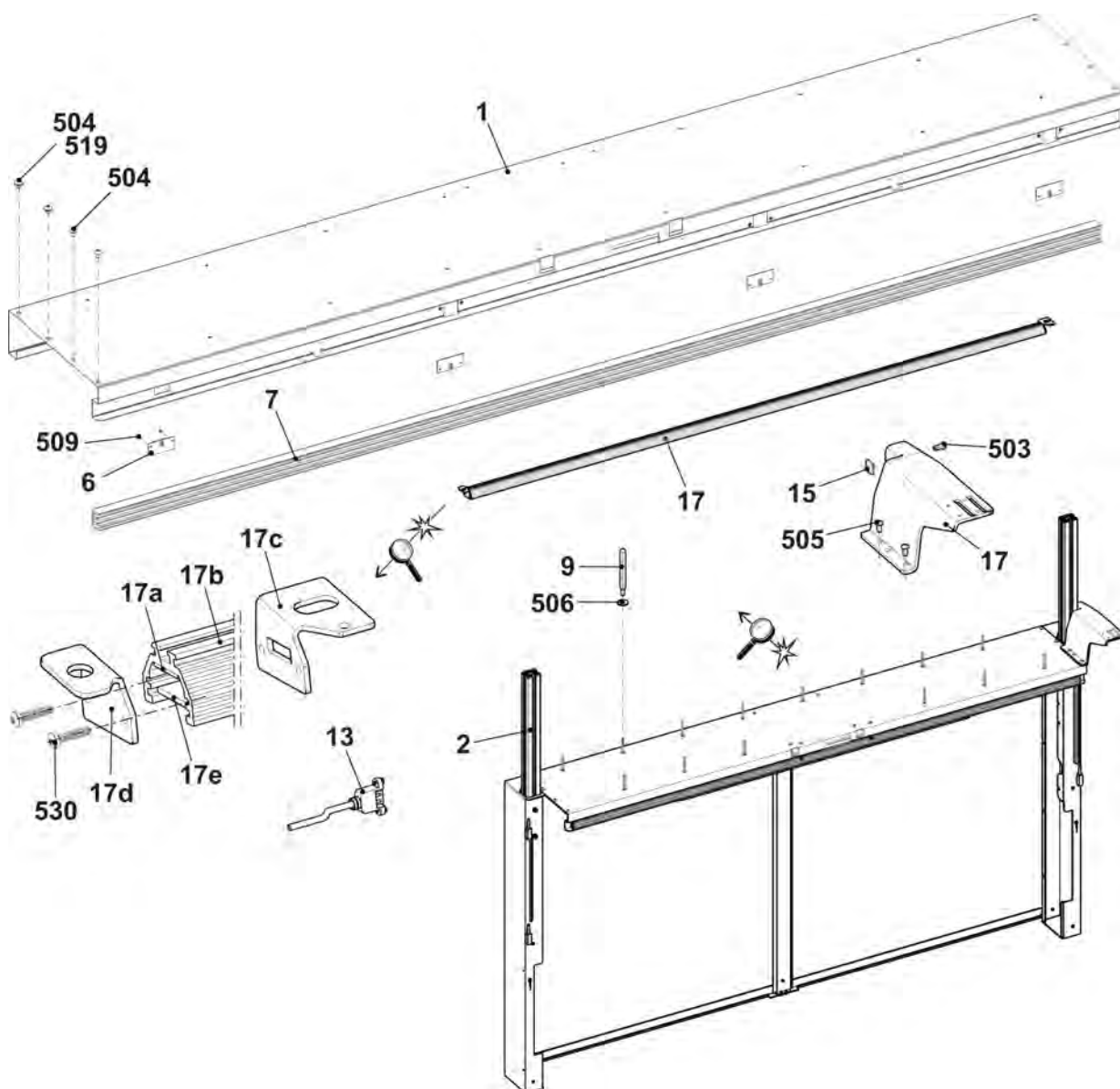
8.8 Yarn deflector on the right complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the right complete	265 356	5	Distance bushingE3-4	262 445
1	Axle	265 284	6	Distance bushing	264 997
2	Threaded spacer	265 282	7	Stop plate right complete	265 277
3	Threaded spacer	265 283	500	Washer 8	022 854
4	Yarn Carriers MH10 E3-4	262 391	501	Hexagon nut M8-6	261 011



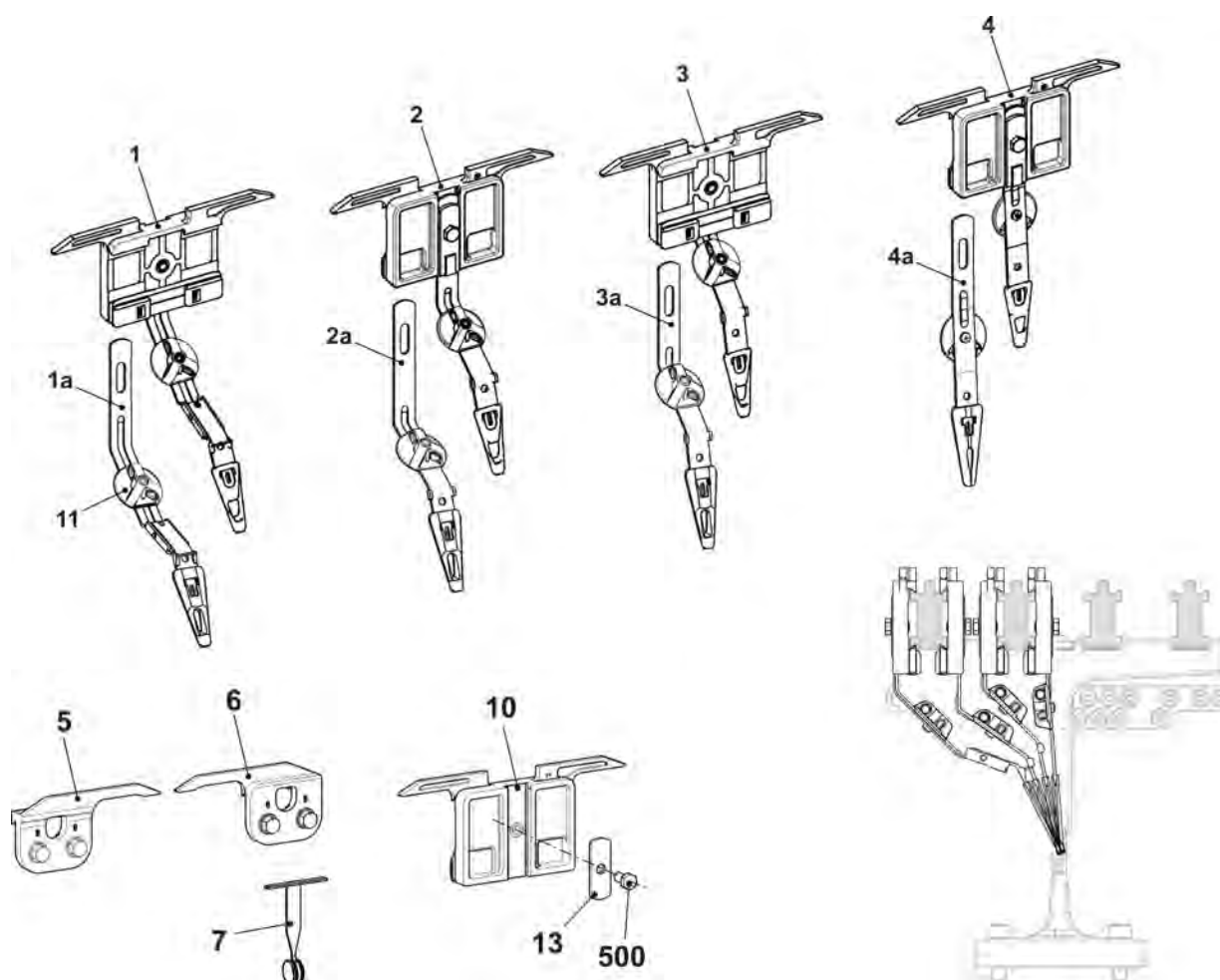
8.9 Bobbin board

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Table complete 45"	264 001			
1	Table	264 765	17c	Support right	264 661
2	Support element	228 594	17d	Support on the left	264 662
7	Guide rail at the top	264 129	17e	Cover	263 647
9	Positioning pin	204 819	530	Sheet metal screw ST2,2x9,5-F	263 824
13	Cable USB extension BM2	253 706	503	Pan-head screw M8x18	251 331
14	Support of right feed wheel	264 454	504	Pan-head screw M8x10	241 930
15	Slot nut	228 851	505	Pan-head screw M8x16	023 113
17	Lamp LED complete	264 759	506	Washer 5	020 901
17a	Card LED-module	263 642	509	Cap screw 3x4	022 805
17b	Support profile of lamp	263 644	519	Washer 8,2x16,2x1,4	023 679



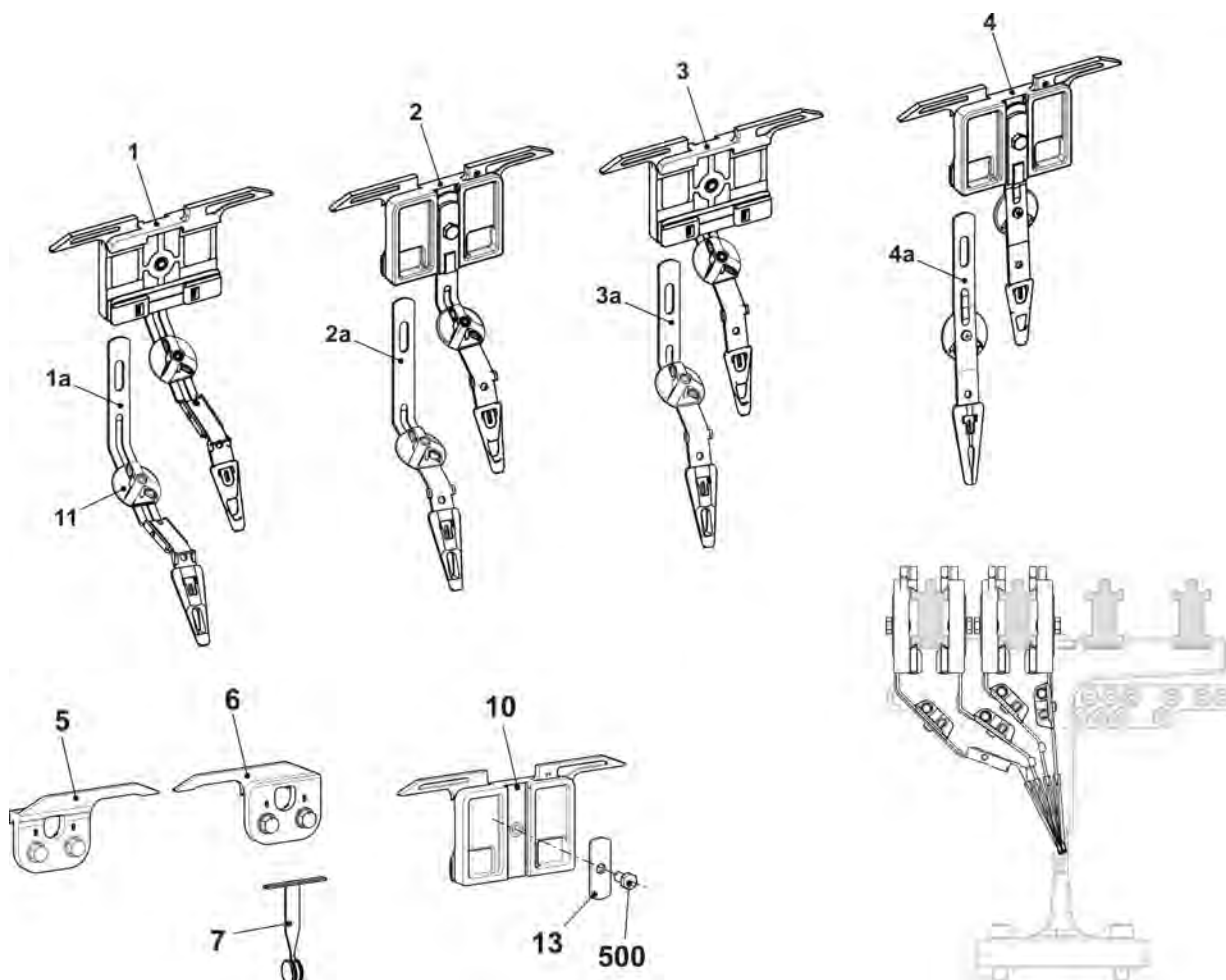
8.10 Yarn guide complete E10 | E12 | E14 | E16 | E18 | E6.2(12m.10) | E7.2 | 14/12 | E7.2 | E8.2

Pos	Designation	Track	Id. no.	Pos	Designation	Id. no.
Σ	Yarn guide complete					
	E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2 E8.2		253 832			
	E16 E18		256 932			
E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2 E8.2				E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2 E8.2		
1	FF carriage complete E10-14	1+8	243 943	1a	FF bow 1+8 complete E10-14	212 994
2	FF carriage complete E10-14	2+7	243 942	2a	FF bow 2+7 complete E10-14	212 996
3	FF carriage complete E10-14	3+6	243 941	3a	FF bow 3+6 complete E10-14	212 995
4	FF carriage complete E10-14	4+5	243 940	4a	FF bow 4+5 complete E10-14	212 997
E16 E18				E16 E18		
1	FF carriage complete E16-18	1+8	243 947	1a	FF bow 1+8 complete E16-18	223 199
2	FF carriage complete E16-18	2+7	243 946	2a	FF bow 2+7 complete E16-18	223 201
3	FF carriage complete E16-18	3+6	243 945	3a	FF bow 3+6 complete E16-18	223 200
4	FF carriage complete E16-18	4+5	243 944	4a	FF bow 4+5 complete E16-18	223 202
5	Limiter on the left complete		244 099	11	Yarn guide star complete	209 257
6	Limiter on the right complete		244 098	13	Shim	213 035
7	Slider with eyelet		230 709	500	Hexagon screw M5x10	020 351
10	FF carriage complete		243 062			



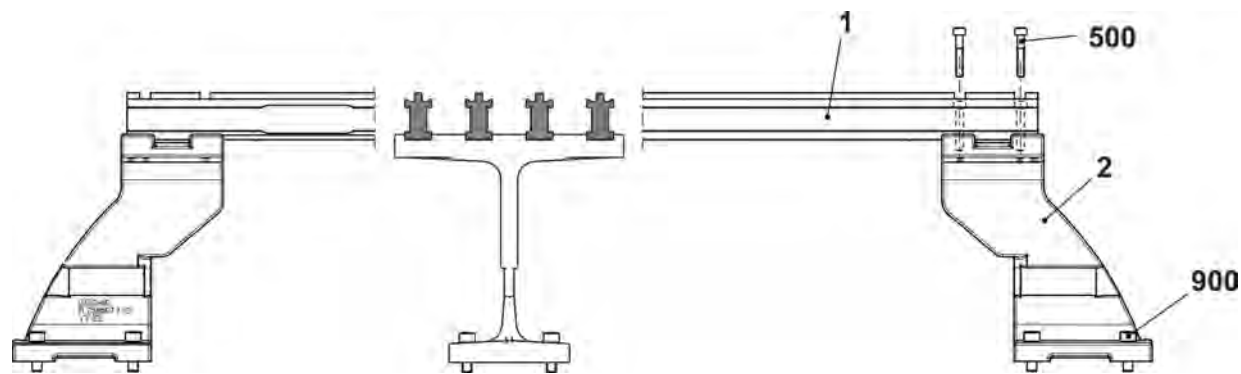
8.11 Yarn guide complete E6.2

Pos	Designation	Track	Id. no.	Pos	Designation	Id. no.
Σ	Yarn guide complete E7 E6.2		253 831			
1	FF carriage complete E7-8	1+8	243 939	1a	FF bow 1+8 complete E7-8	212 892
2	FF carriage complete E7-8	2+7	243 938	2a	FF bow 2+7 complete E7-8	212 914
3	FF carriage complete E7-8	3+6	243 937	3a	FF bow 3+6 complete E7-8	212 925
4	FF carriage complete E7-8	4+5	243 936	4a	FF bow 4+5 complete E7-8	212 910
5	Limiter on the left complete		244 099	11	Yarn guide star complete	209 257
6	Limiter on the right complete		244 098	13	Shim	213 035
7	Slider with eyelet		230 709	500	Hexagon screw M5x10	020 351
10	FF carriage complete		243 062			



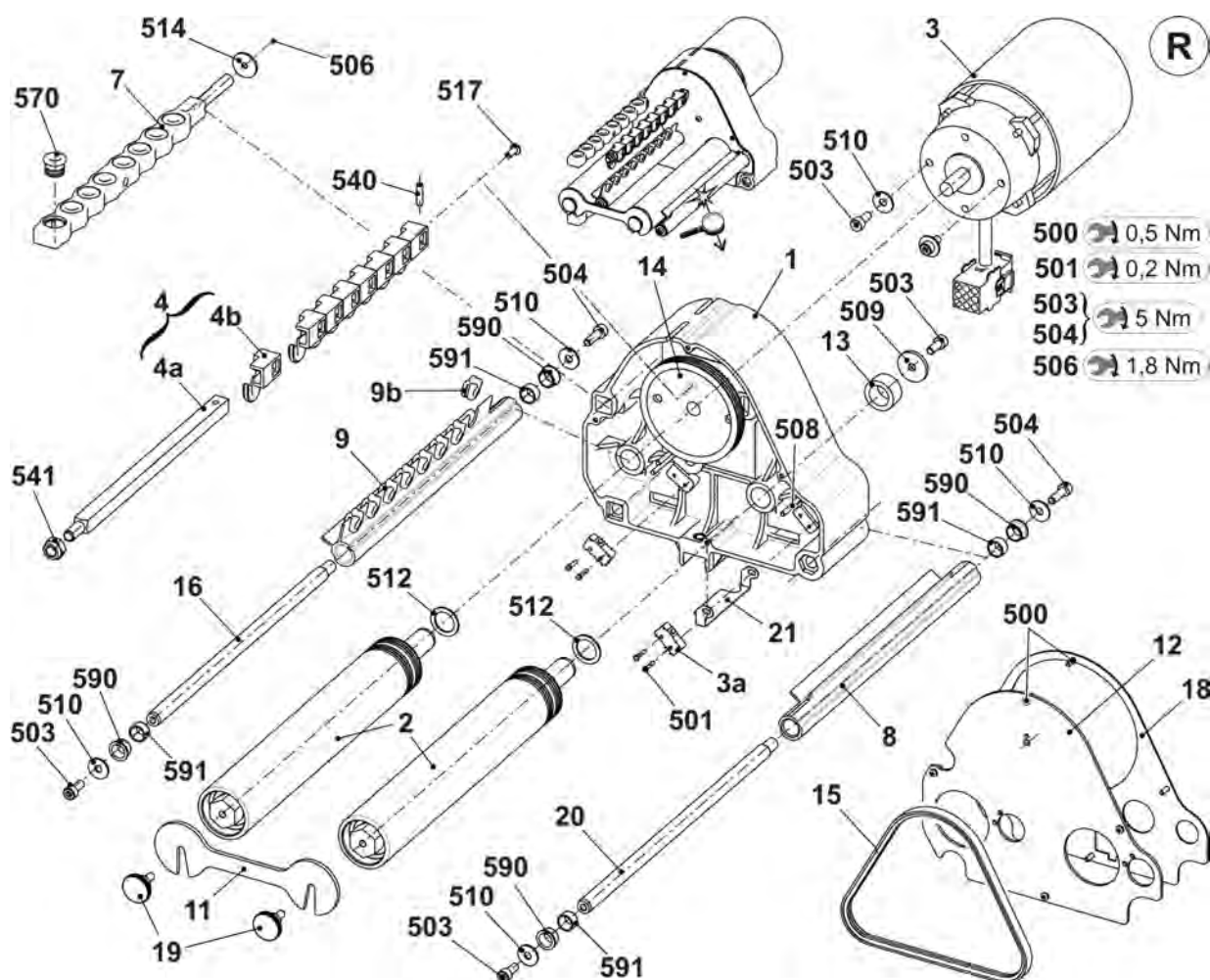
8.12 Bar unit

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

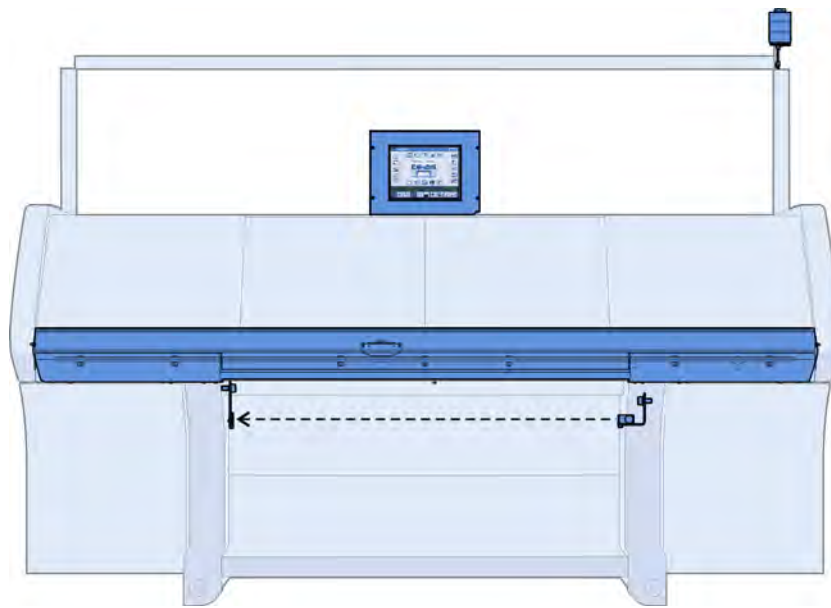


8.13 Right friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the right	264 325	13	Bush	221 391
1	Housing	240 368	14	V-ribbed belt pulley	221 268
2	Friction roller complete	231 704	15	Ribbed V-belt V3J 406	206 927
3	Three-phase AC motor complete	219 800	16	Rod	221 319
3a	Microswitch	008 664	18	Cover	230 758
4	Deflector complete 8-fold	250 089	19	Knurled screw	223 361
4a	Support rail	250 055	20	Rod	230 658
4b	Eyelet holder complete	250 077	21	Grounding plate	256 622
540	Spring dowel sleeve 4x16	020 783	500	Screw KB30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	265 445
7	Yarn guide rod complete	239 431	503	Cap screw M5x12	020 132
570	Eyelet 8	021 504	504	Cap screw M5x16	022 726
8	Stop motion rail on the right complete	230 690	506	Screw KB 40x14	241 358
9	Stop motion rail on the right complete with eyelets	230 682	508	Dowel pin3M6x40	023 528
9b	Eyelet	230 662	509	Washer 5,3x22x2,5	023 219
590	Slide bearing	023 627	510	Washer 5	020 901
591	Guide piece	259 453	512	Shim ring 15x21x1	023 216
11	Bracket	221 316	514	Washer 4,3x18x1,5	020 908
12	Cover	251 098	517	Pan-head screw M4x8	023 579

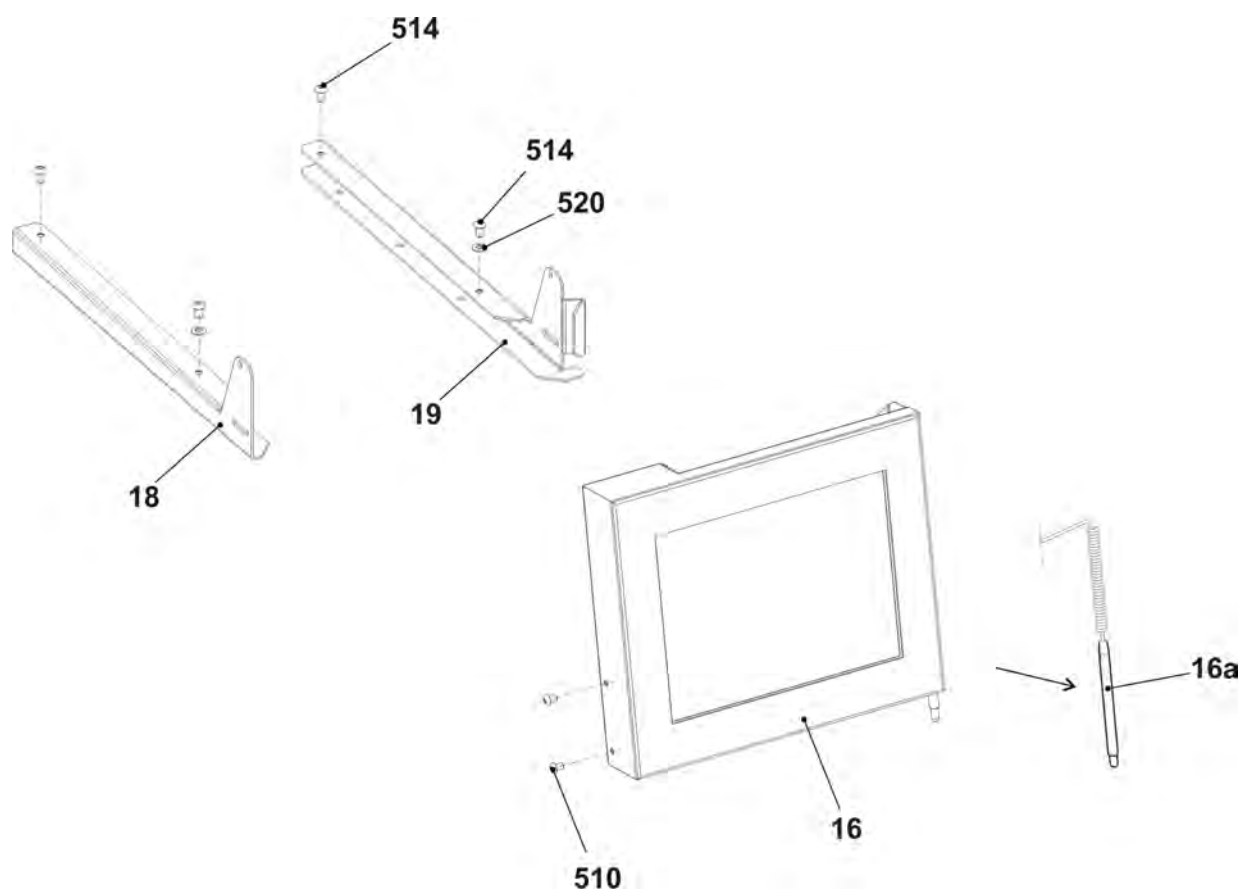


9 Operation and control



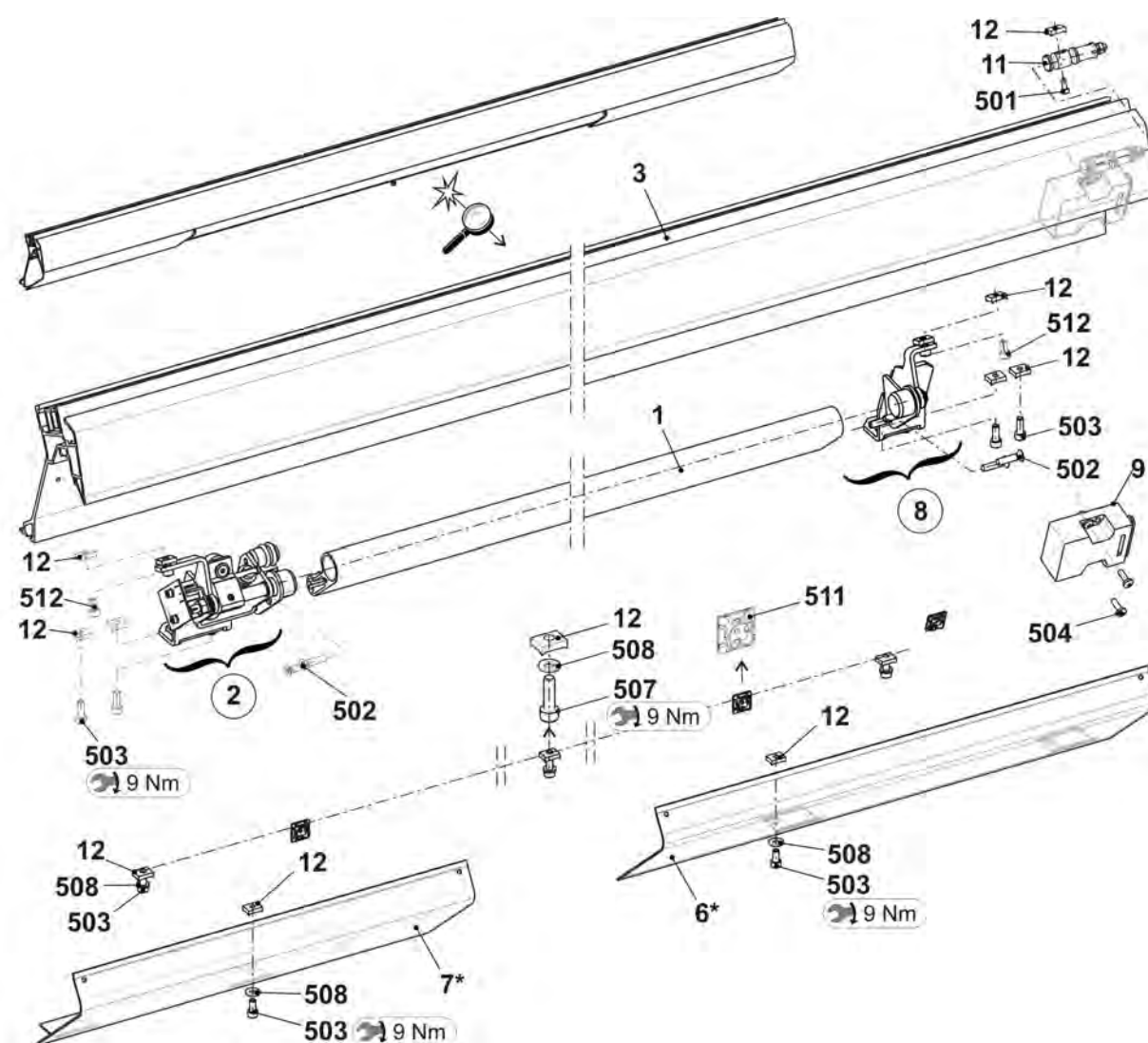
9.1 Input unit

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



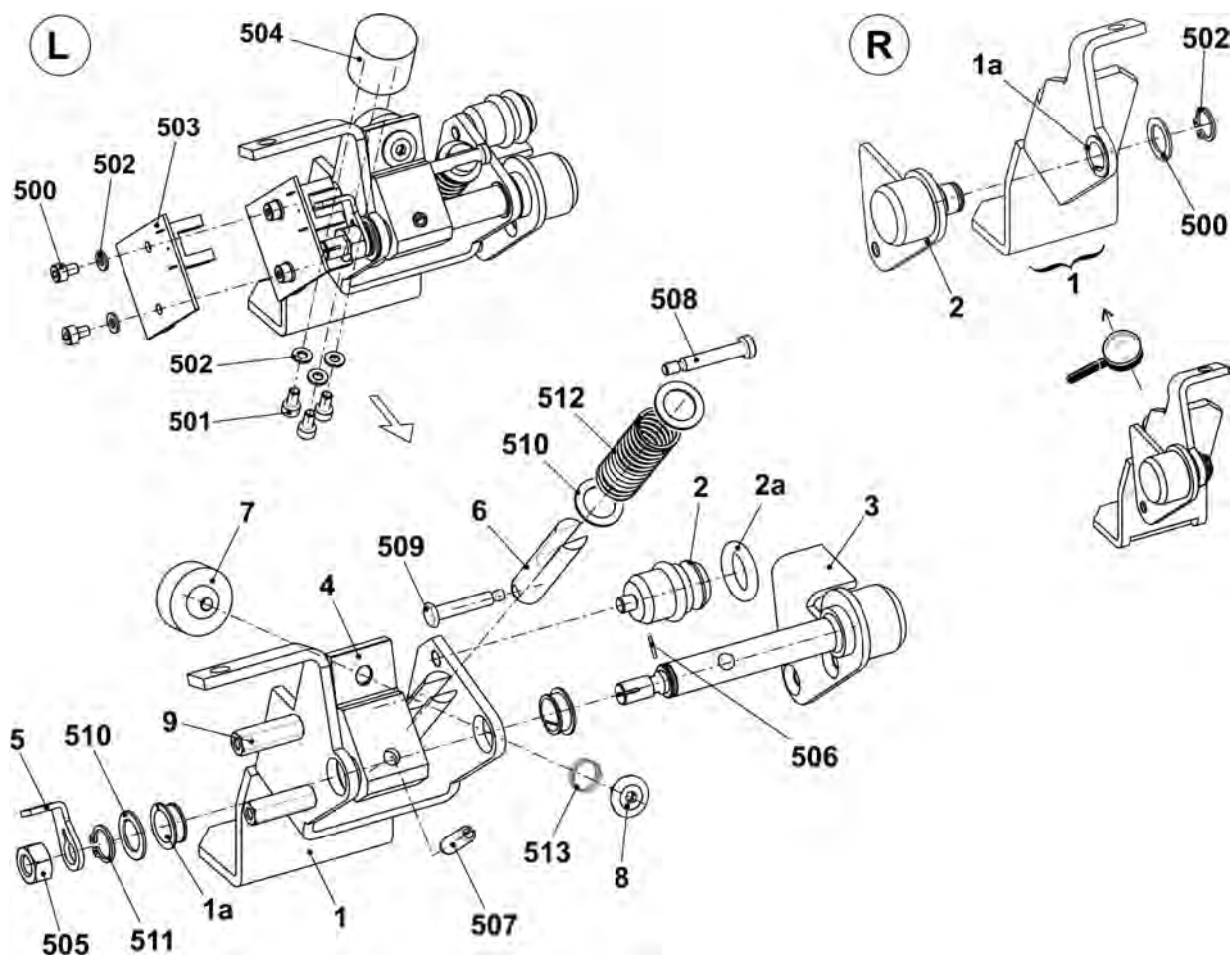
9.2 Starting device

Pos	Designation	Id	Pos	Designation	Id
Σ	Starting device	256 914			
1	Engaging rod	251 686	501	Cap screw M4x10	023 136
2	Bearing on the left complete	250 071	502	Screw M6x25	023 510
3	Guide rail at the bottom pre-assembled	256 915	503	Cap screw M6x16	020 135
6*	Cover plate on the right	251 691	504	Pan-head screw M5x14	023 588
7*	Cover plate on the left	251 690	507	Cap screw M6x20-12.9	020 136
8	Bearing on the right complete	252 964	508	Washer 6	020 872
9	Cable switch safety doors	223 350	511	Cable holder	262 037
11	Locating bolt	219 107	512	Cap screw M6x10	023 690
12	Slot nut	225 099	513	Pan-head screw M5x10	023 247



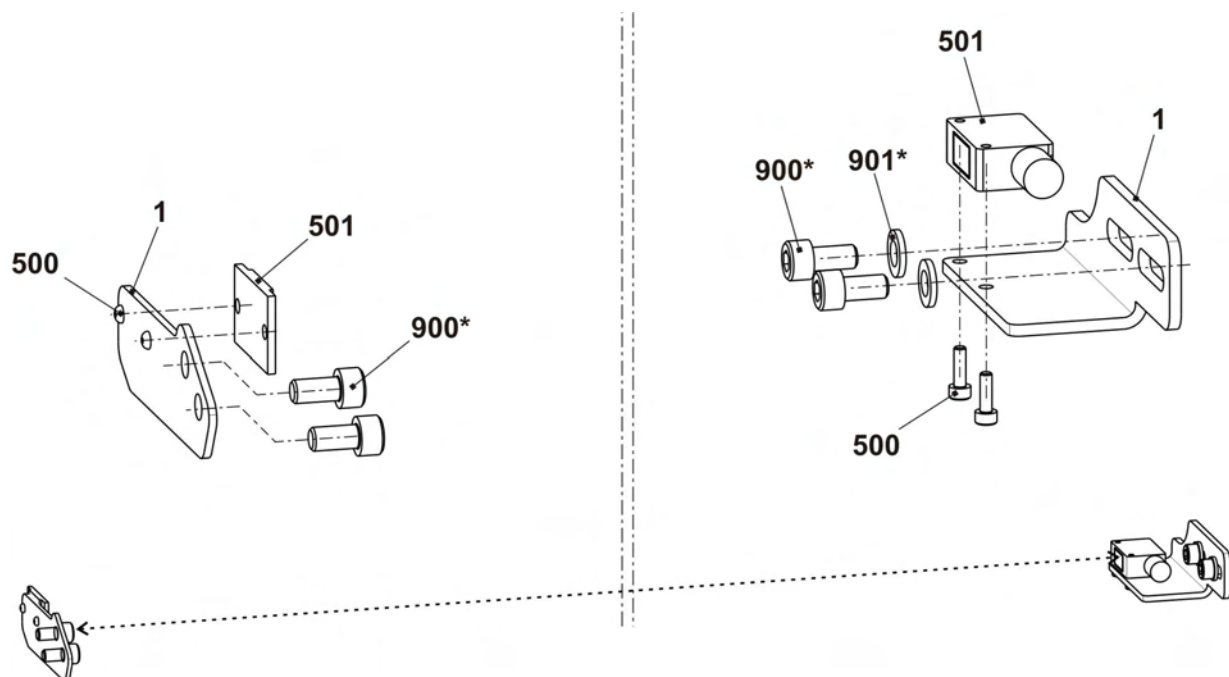
9.2.1 Bearing of the engaging rod

Pos	Designation	Id. no.	Pos	Designation	Id. no.
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M8-6	020 838
1a	Clip bearing MCM 12-04	023 639	506	Dowel pin 1,5x8	236 923
2	Support of buffer	220 561	507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237	508	Shoulder screw M4x24,8x7,7	240 299
3	Shaft on the left	245 219	509	Shoulder screw	251 316
4	Rotor	253 776	510	Shim ring 12x18x1	023 315
5	Switch flag	245 220	511	Retaining ring 12x1	020 951
6	Spring mandrel	251 340	512	Compression spring 1,25x15x98,2	023 609
7	Disk	245 222	513	Compression spring 0,5x11x20,21	265 082
8	Shoulder screw	254 528			
9	Distance bolt	240 287	R	Bearing on the right complete	252 964
500	Cap screw M4x6	023 067	1	Bearing on the right	240 230
501	Cap screw M4x8	022 501	1a	Clip bearing MCM 12-04	023 639
502	Shim ring 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	259 000	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Retaining ring 12x1	020 951



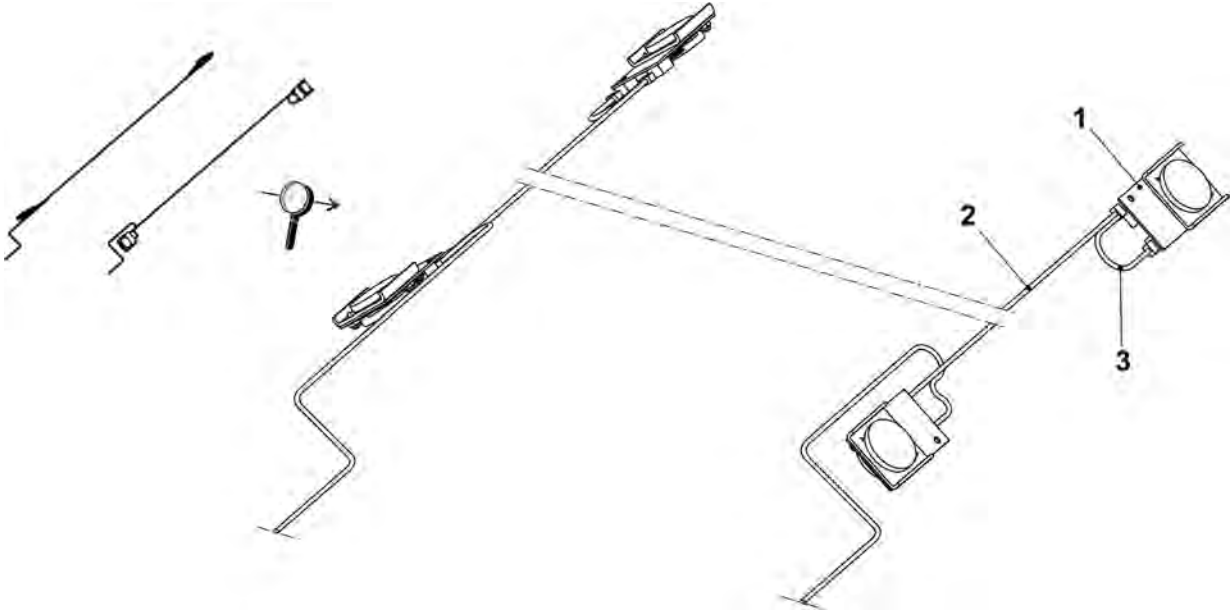
9.3 Control of Collecting Area

Pos	Designation	Id	Pos	Designation	Id
Σ	Reflector complete	256 826	Σ	Light barrier complete	256 825
1	Mounting plate reflector	256 675	1	Holding angle light barrier	256 674
500	Blind rivet A3x8-Al	023 158	500	Cap screw M3x10	022 991
501	Reflector 20x20 mm	243 356	501	Light barrier WI100-P4330	243 355
900*	Cap screw M6x12	020 134	900*	Cap screw M6x12	020 134
			901*	Washer 6	020 872



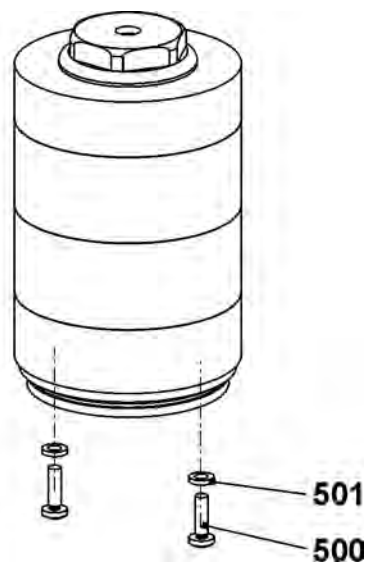
9.4 Shock stop motion

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



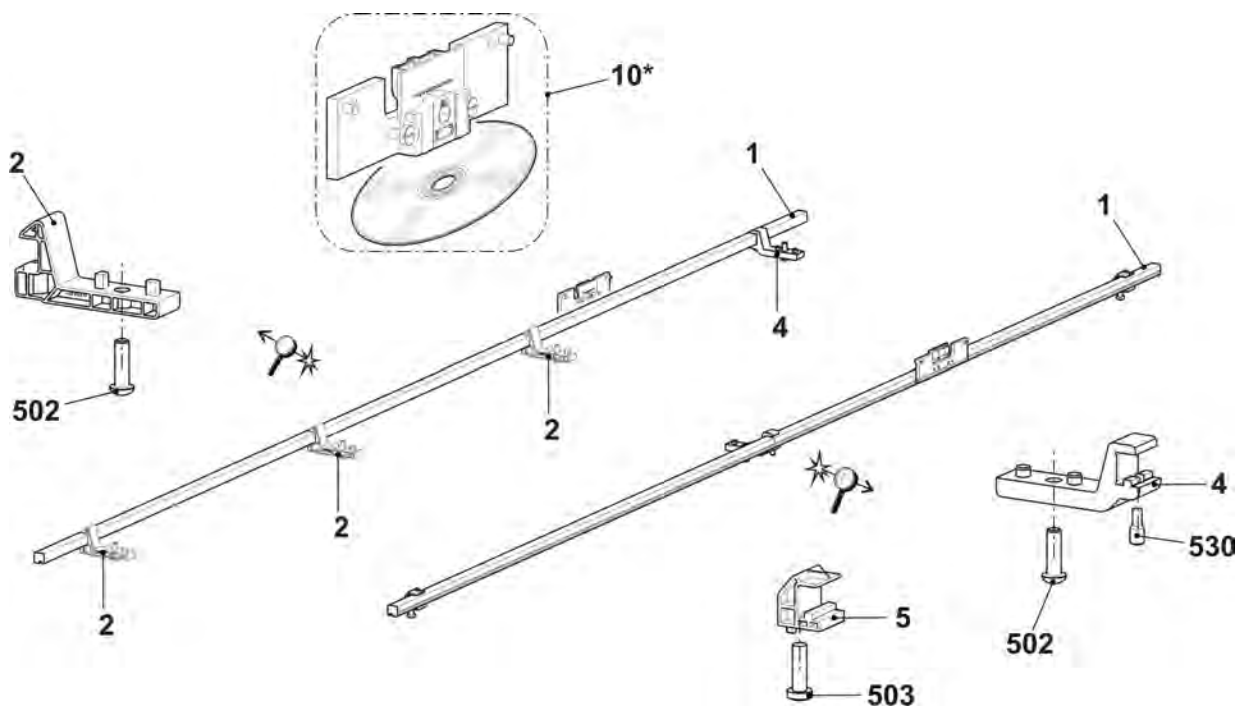
9.5 Signal light

Pos	Designation		Id	Pos	Designation	Id
Σ	Signal light LED		240 395			
	500	Pan-head screw M4x14	023 037			
	501	Serrated lock washer A4.3-FS	022 482			

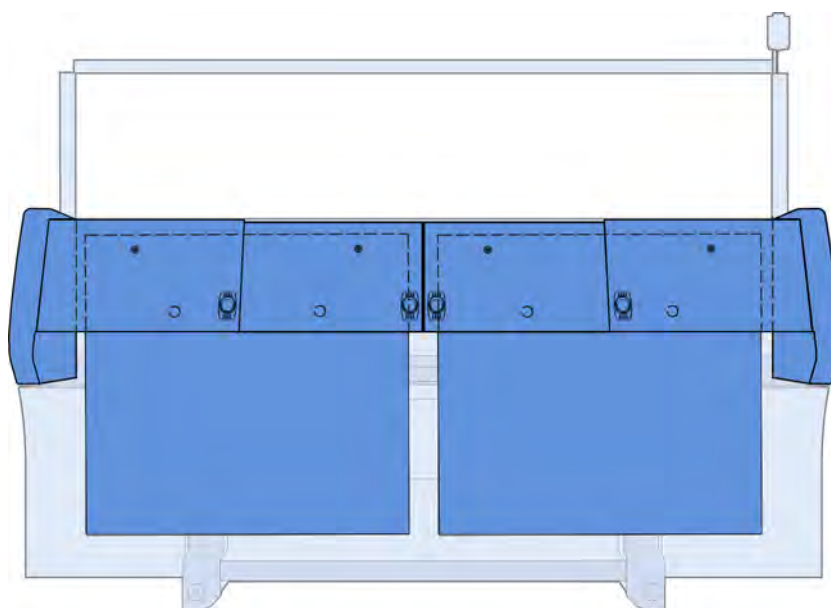


9.6 Measuring device

Pos	Designation	Id	Pos	Designation	Id
Σ	Measuring device				
1	Measuring bar	264 278	5	Guide outside	251 605
2	Guide	251 676	10*	Spare parts package impulse sensor GLM OH	266 961
4	Guide	240 672	502	Pan-head screw M6x20	241 603
530	Setscrew	230 803	503	Screw 60x20	243 625

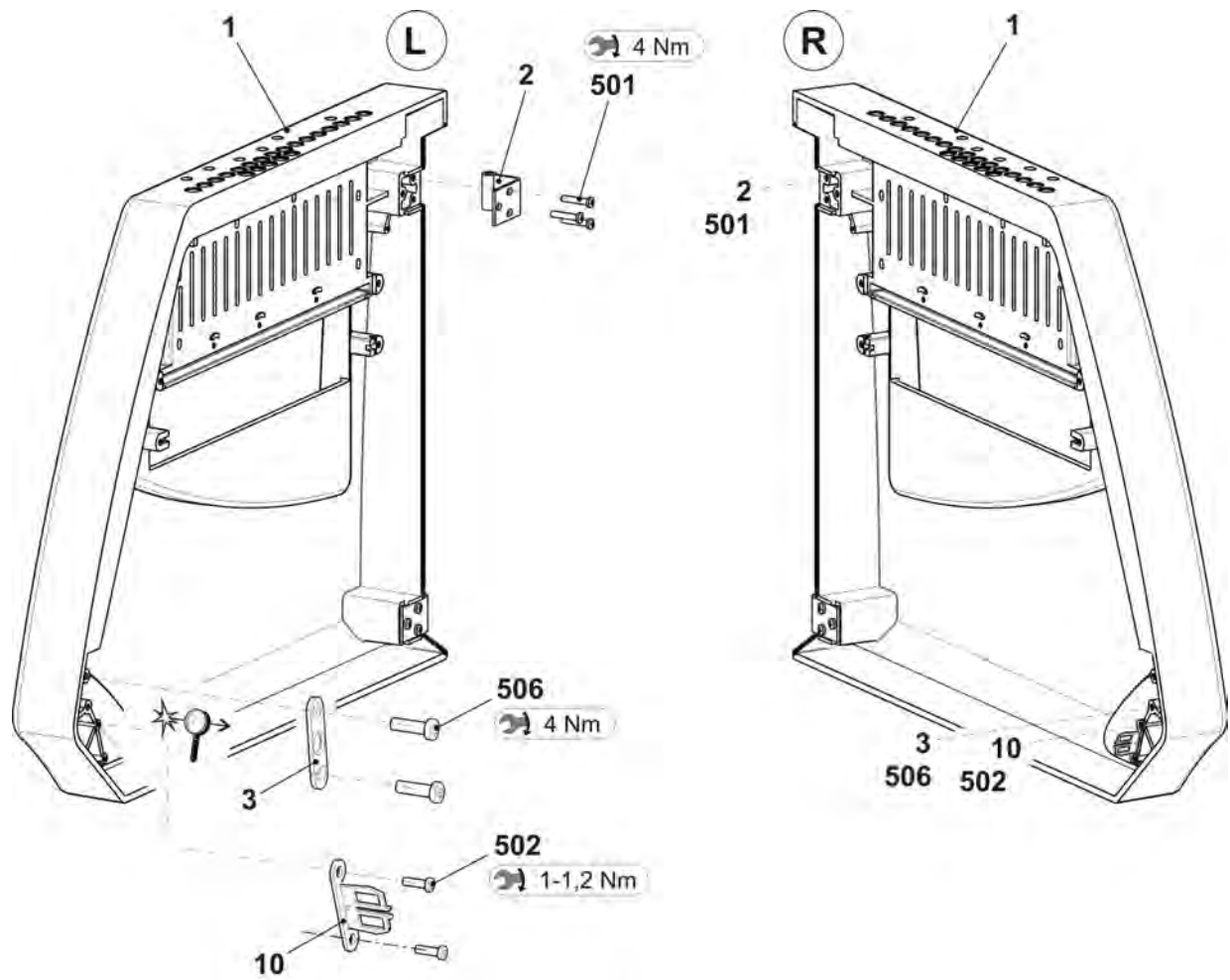


10 Protective device



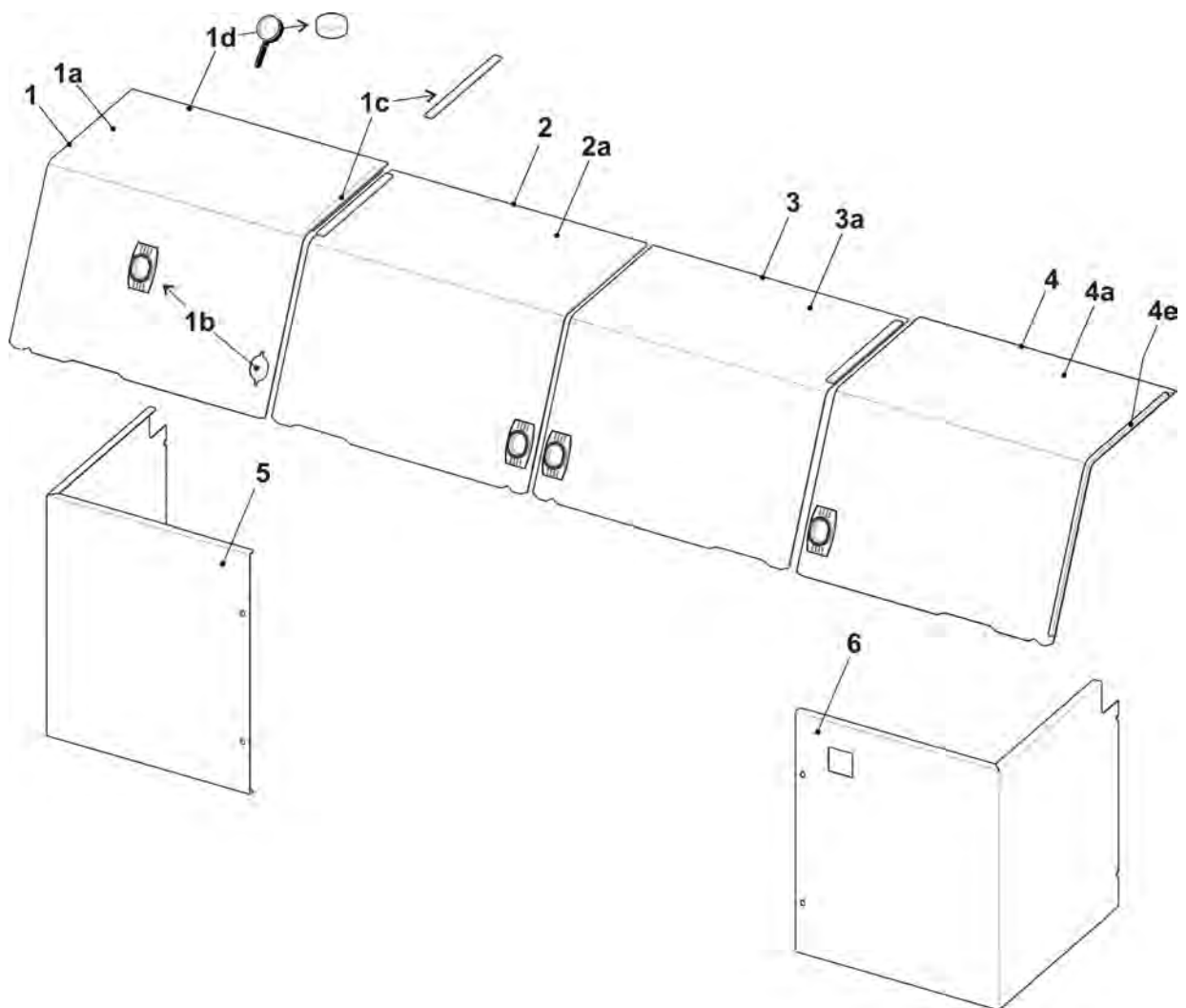
10.1 Lateral safety doors

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety door on the left		Σ	Safety door on the right	
1	Safety door on the left	265 278	1	Safety door on the right	265 279
2	Hinge	263 939	2	Hinge	263 939
4	Locking plate	219 748	4	Locking plate	219 748
10	ActuatorAZ 15/16	255 492	10	ActuatorAZ 15/16	255 492
501	Screw 6x30	265 380	501	Screw 6x30	265 380
502	Screw 4x16	263 995	502	Screw 4x16	263 995
506	Screw 6x20	265 379	506	Screw 6x20	265 379



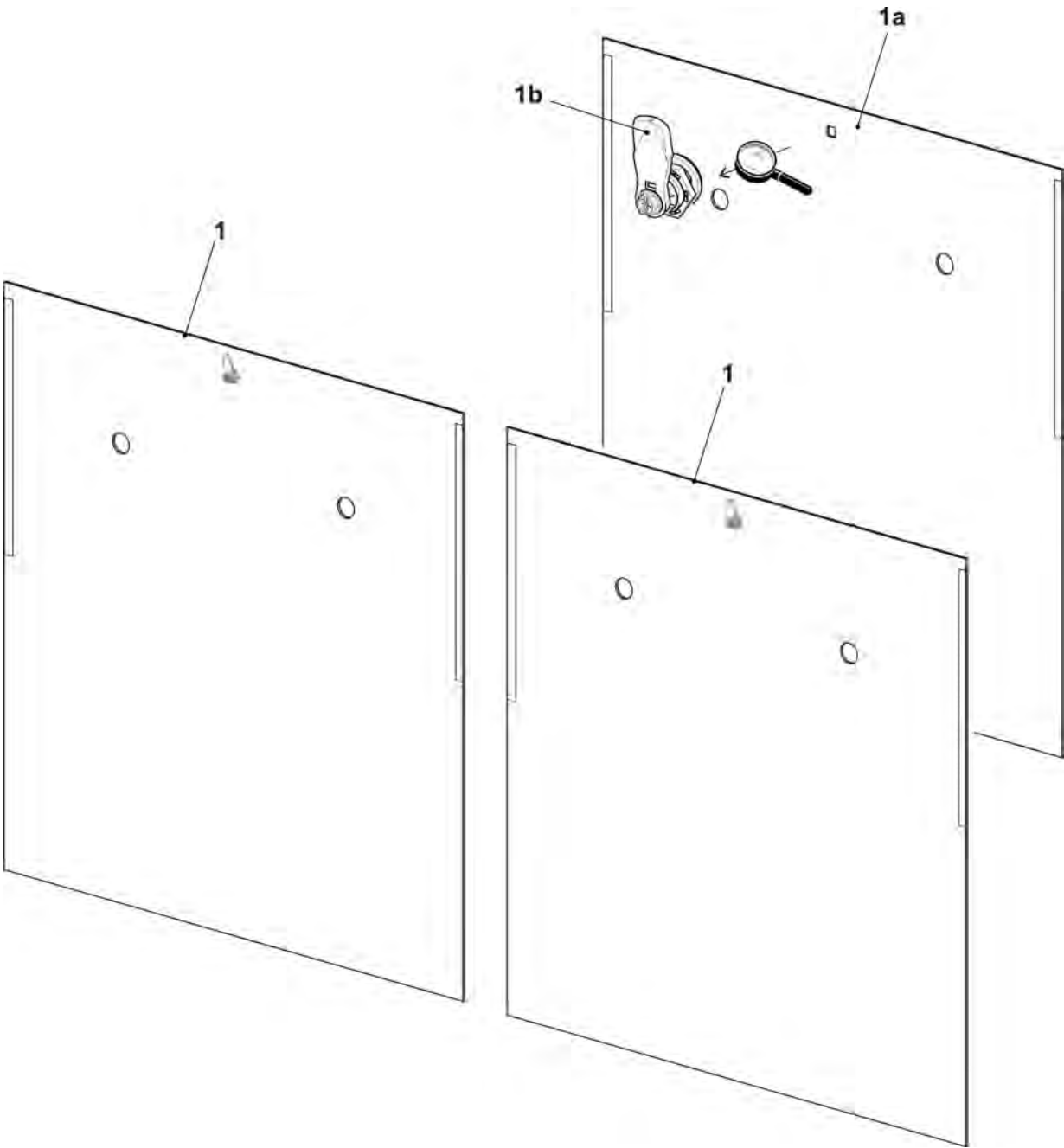
10.2 Panelling

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

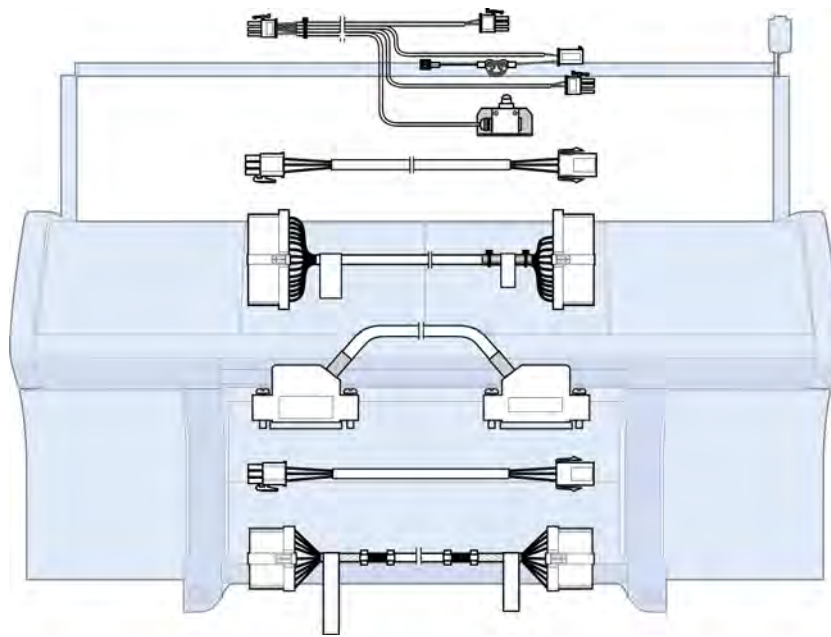


10.3 Rear panel

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



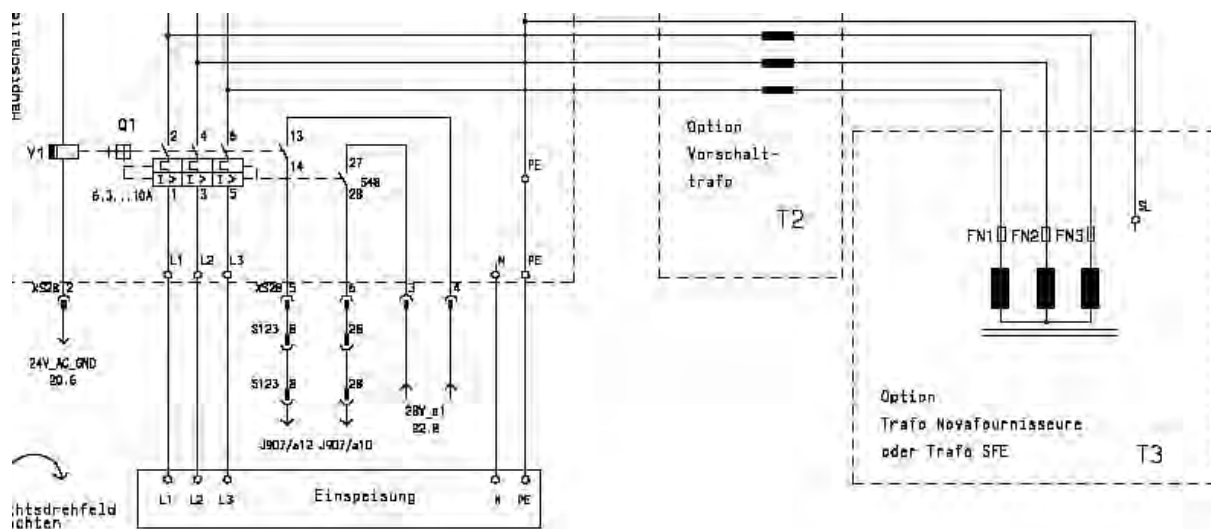
11 Electrical equipment



11.1 Circuit diagram (222) as PDF

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

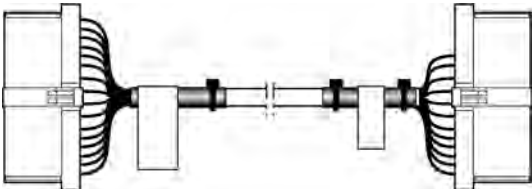
You will find the circuit diagram 222 on the CMS documentation DVD with the ID no. 257 157



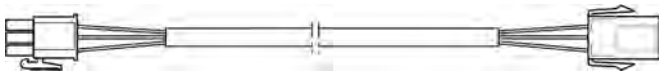
11.2 Fuses

	Designation	Id
	Fuse 1,0A F 5x20	008 748
	Fuse 3,15A T/440V 6,3x32	025 261
	Fuse 10A T/440V 6,3x32Fuse	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 6,3x32Fuse	241 866
	Fuse 12,5A T/440V 6,3x32	232 367

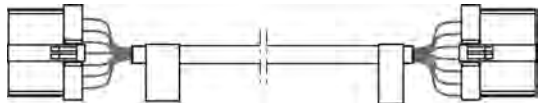
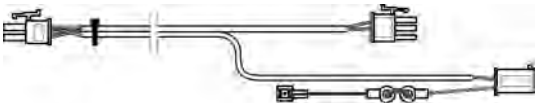
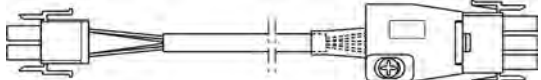
11.3 Trailing cable

Designation	Id	Designation	Id
Trailing cable set 520HP 2IMP	264 937		
Cable carriage at the rear XR332 420 ECO2	252 007	Cable impulse sensor OH at the rear XR136_502 BM2	264 587
Cable carriage at the rear XR333 420 ECO2	252 008	Cable impulse sensor OH at the front XR137_502 BM2	264 588
			
Cable yarn carrier 420 XR161 ECO2	252 059		
			

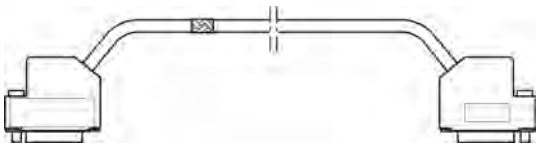
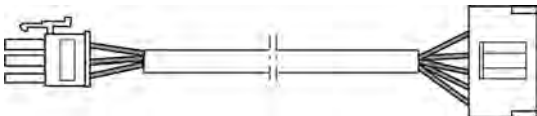
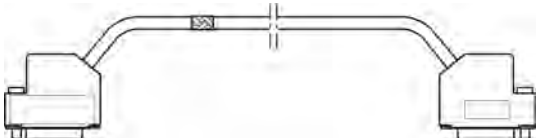
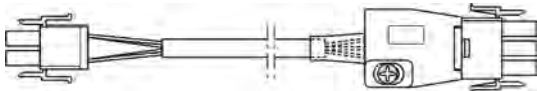
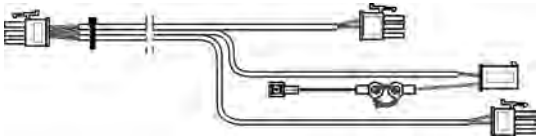
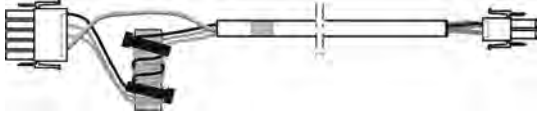
11.4 Cable set installation

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

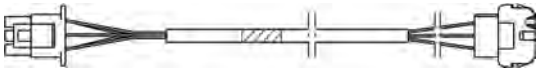
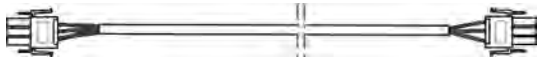
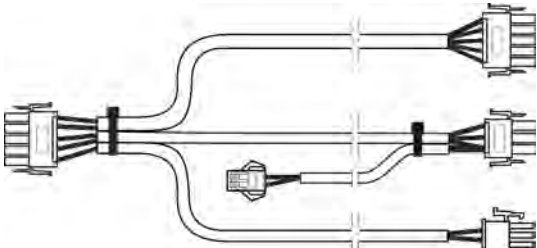
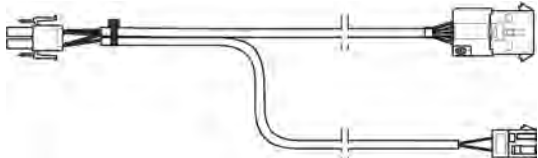
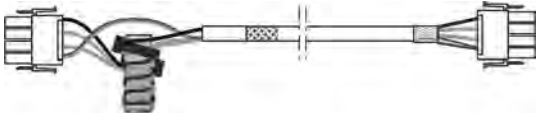
11.4.1 Cable set base 1

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

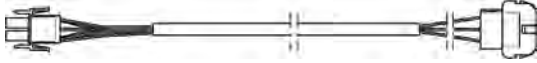
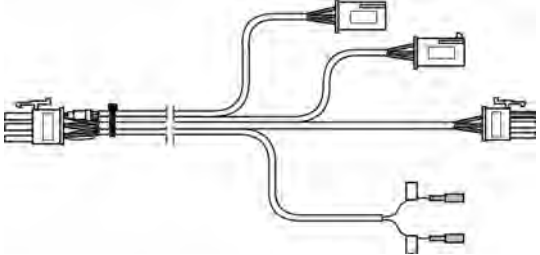
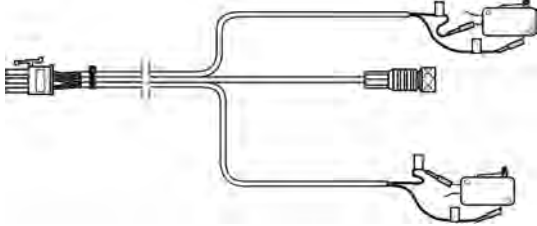
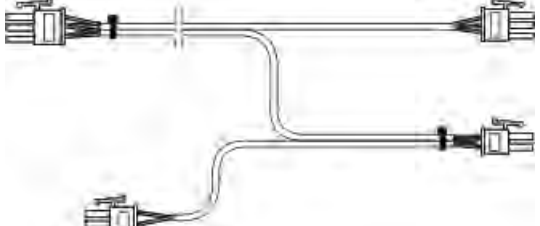
11.4.2 Loom of cables base 2

Designation	Id	Designation	Id
Σ Loom of cables base 2	264 749		
Cable motor HAAB OKC	240 291	Cable resolver drive OKC 3XX	240 296
			
Cable racking limit switch OKC 3XX	240 292	Cable racking motor OKC 3XX	240 297
			
Cable fan drive 3XX OKC	240 293	Cable resolver racking OKC 3XX	240 298
			
Cable Feed wheel on the right OKC 3XX	240 294	Cable protective device on the right OKC	264 751
			
Cable drive motor OKC 3XX	240 295		
			

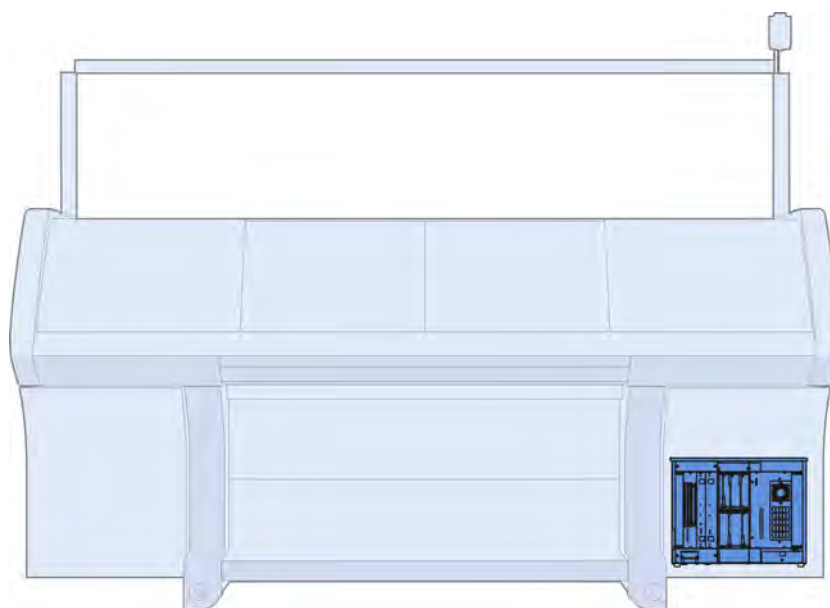
11.4.3 Loom of cables 5XX

Designation	Id	Designation	Id
Σ Loom of cables 5XX OKC	253 621		
Cable motor auxiliary take-down 50" okc	240 467	Cable power supply unit of mains supply OKC	240 505
			
Cable impulse sensor auxiliary take-down 50" OKC	240 468	Cable switch auxiliary take-down 3xx OKC	240 472
			
Cable power supply WAZ/F 50" OKC	263 686	Cable power supply FLENT 50" OKC	251 231
			
Cable power supply servo 50" OKC	240 502		
			

11.4.4 Loom of cables comb

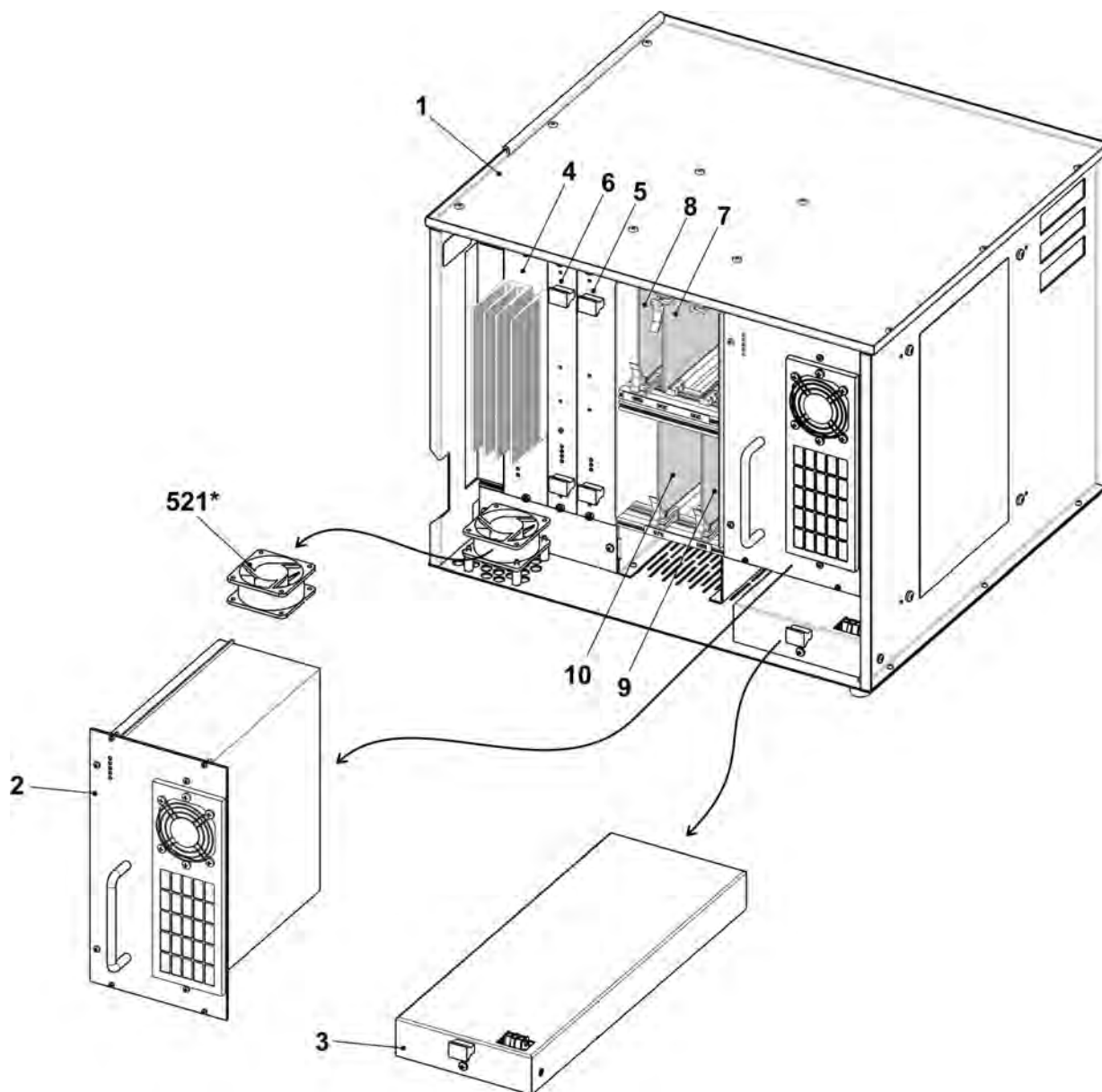
Designation	Id	Designation	Id
Σ Loom of cables comb OKC	240 259		
Cable motor comb hookOKC	240 308	Cable switch combOKC	240 311
			
Cable switch KAHA OKC	240 309	Cable switch HAAB OKC	240 312
			
Cable motor combOKC	240 310		
			

12 Control electronics

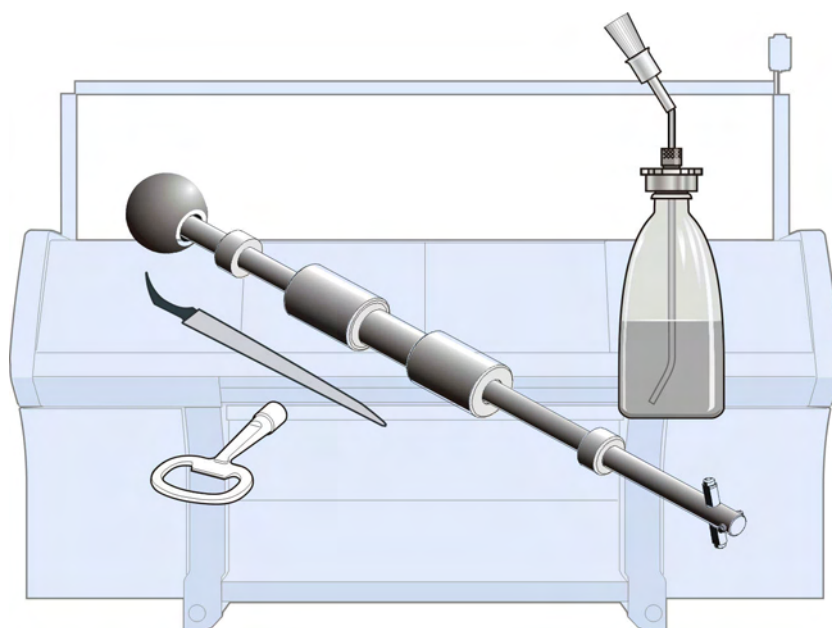


12.1 Control cabinet

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit on the right complete 520	263 960	6	Card BIO 2	301 012
1	Control unit without equipment 5XX PP	260 576	7	Card final stages 4SM 7TE	300 943
2	Power supply unit CG54 1-Kanal	300 923	8	Card N-CPU 432	300 965
3	Battery plug-in unit	301 008	9	Card Power CPU B	301 009
4	Card Servo 6	301 000	10	Card IPC P9X S 01	264 480
5	Card C-WAZ ECO2	301 006	521*	Axial flow fan Servo 5	229 059



13 Deliverable accessories

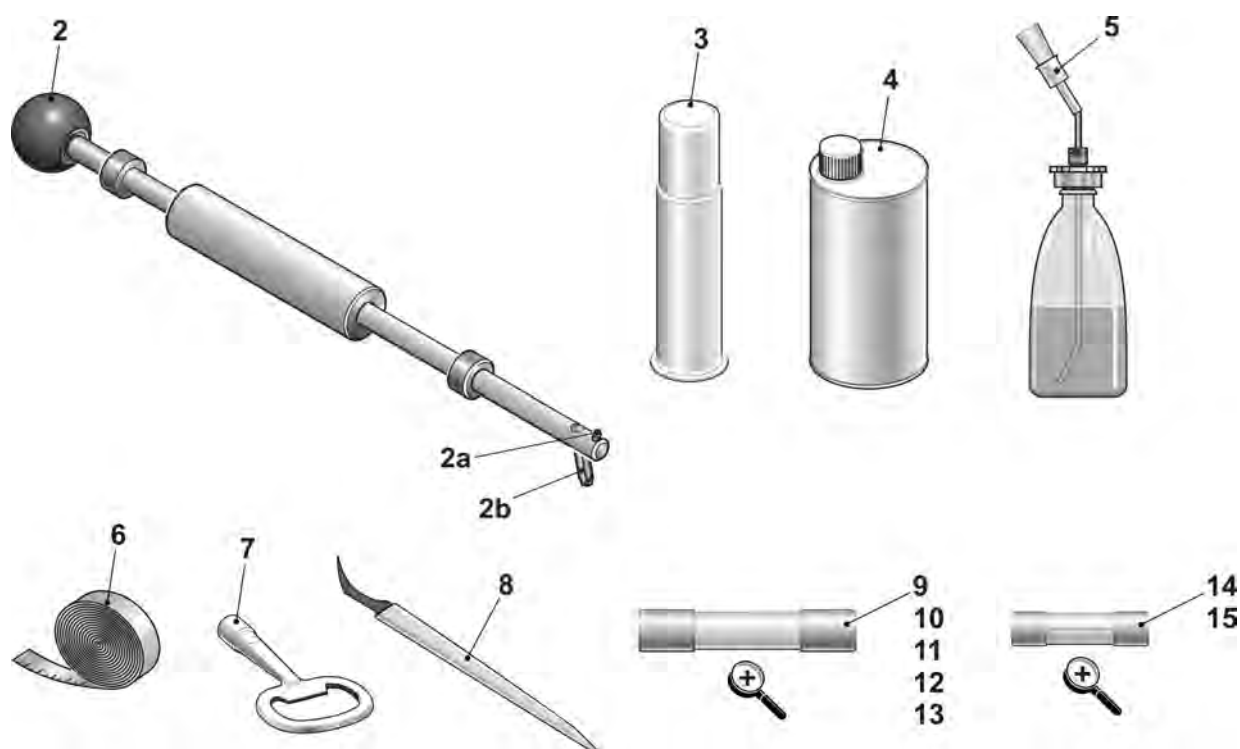


You can order the following tools, lubricants and expendables.

The following list does not always correspond to the scope of delivery of the knitting machine.

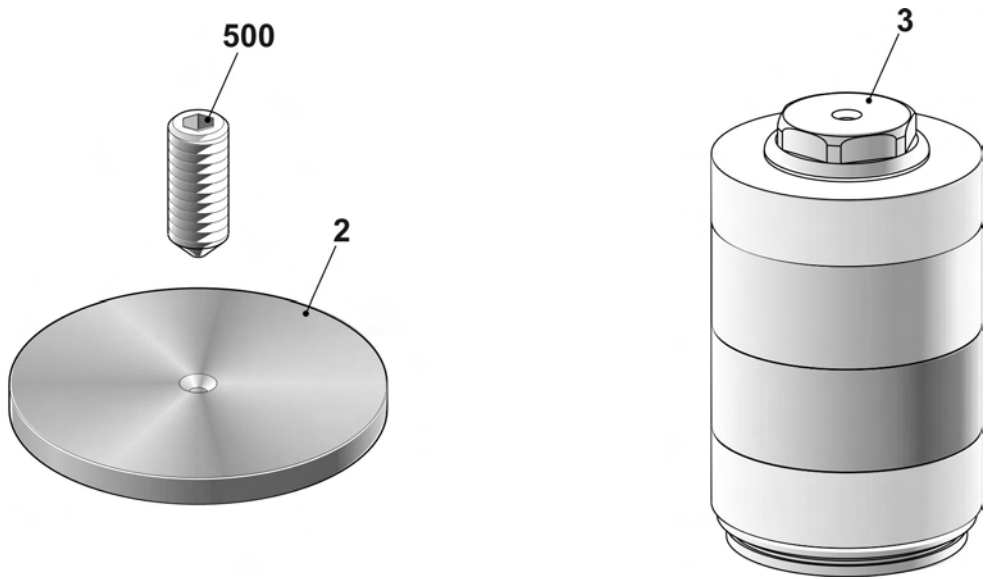
13.1 Accessories part 1

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories standard part 1	265 182			
2	Extraction hook	232 027	8	Working hook	227 249
2a	Small pin	202 843	9	Fuse 3,15A T/440V 6,3x32	025 261
2b	Pin	232 022	10	Fuse 6,3A T/440V 6,3x32	026 809
3	Grease OKS 475, 150g	005 351	11	Fuse 10A T/440V 6,3x32Fuse	025 258
4	Silvertex T 46, 1l	230 614	12	Fuse 2,5A T/440V 6,3x32	217 465
5	Oil combifix	216 732	13	Fuse 1A T/440V 6,3x32	209 321
6	Measuring tape L=150cm	228 180	14	Fuse 1,6A T 5x20	008 715
7	Key of switch cabinet	009 346	15	Micro fuse F1,0A	008 748

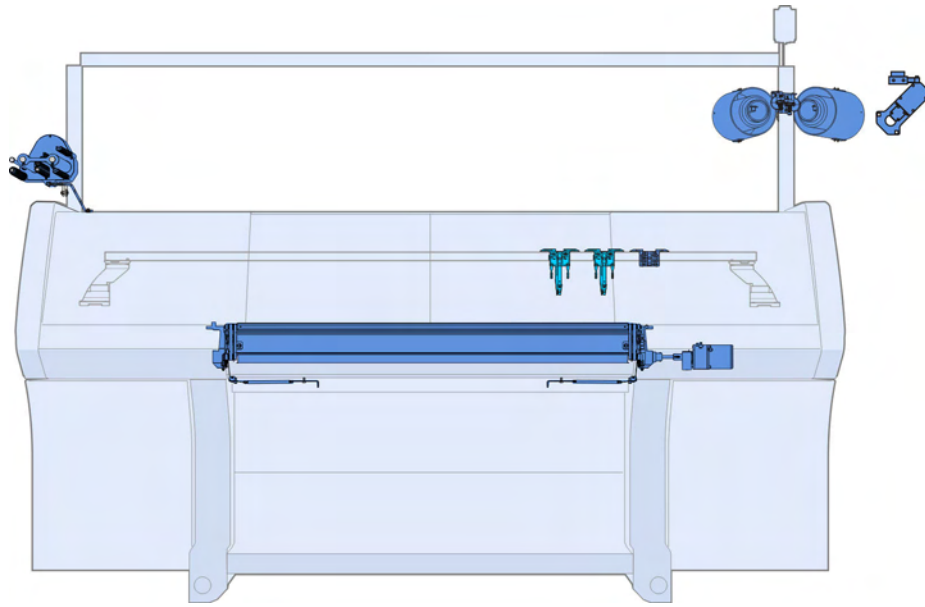


13.2 Accessories part 2

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories standard part 2	265 182	3	Signal lightLED	240 395
2	Shim	056 569	500	Setscrew M16x40	244 061

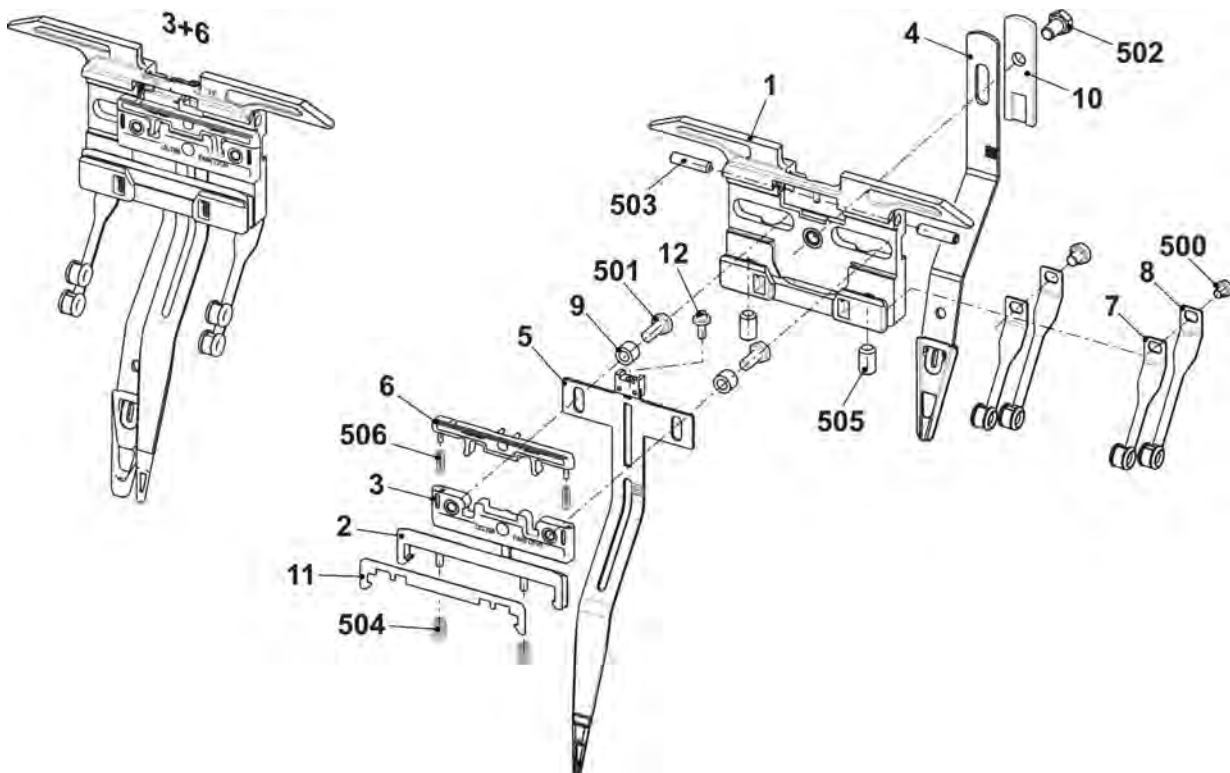


14 Special attachment



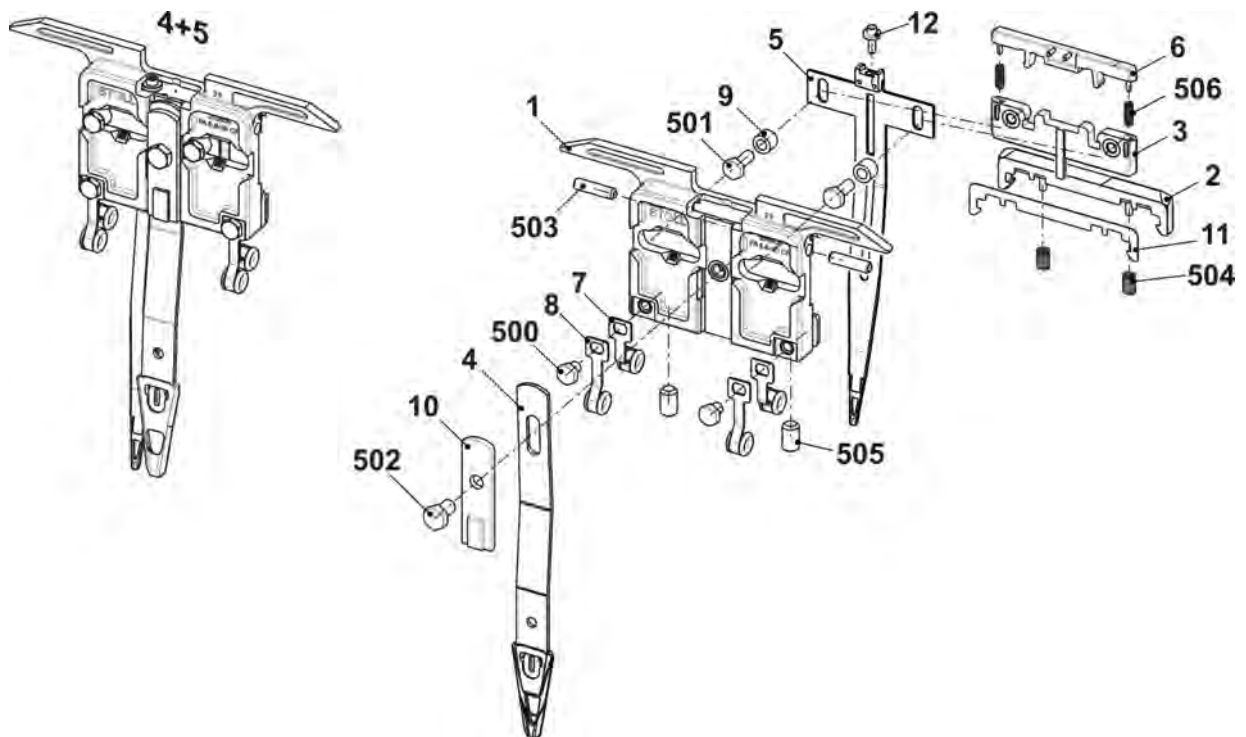
14.1 Plating yarn carrier 3+6

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 3+6 complete				
	E6.2	252 784	7	Eyelet holder complete	252 825
	E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2	252 786	8	Eyelet holder complete	252 824
	E16 E18 E8.2	252 788	9	Distance bushing	252 796
1	Plating yarn carrier carriage	252 806	10	Shim	213 035
2	Sliding piece	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
	E6.2	252 821	501	Hexagon screw M4x10	020 346
	E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2	252 822	502	Hexagon screw	252 832
	E16 E18 E8.2	252 823	503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 3+6 E5-8	252 800	504	Compression spring	021 399
	Plating yarn carrier bow 3+6 E10-18	252 808	505	Threaded bolt	213 399
6	Sliding piece	252 797	506	Compression spring	253 058



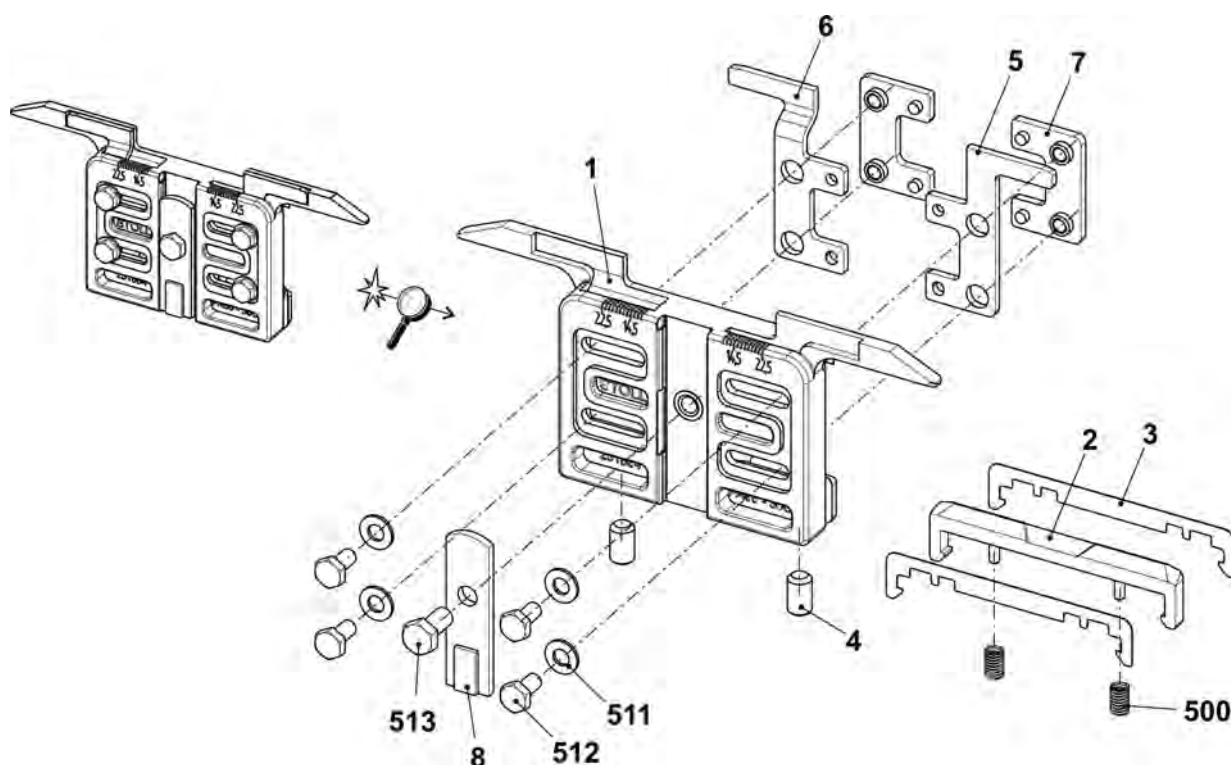
14.2 Plating yarn carrier 4+5

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 4+5 complete				
	E6.2	252 783	7	Eyelet holder complete	252 815
	E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2	252 785	8	Eyelet holder complete	252 816
	E16 E18 E8.2	252 787	9	Distance bushing	252 796
1	Plating yarn carrier carriage	252 806	10	Shim	213 035
2	Sliding piece	212 583	11	Shim	216 143
3	Slider	252 798	12	Adjusting screw	253 436
4	Plating yarn carrier bow 3+6		500	Hexagon screwM4x5	243 779
	E6.2	252 791	501	Hexagon screwM4x10	020 346
	E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2	252 792	502	Hexagon screw	252 832
	E16 E18 E8.2	252 793	503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 3+6 E5-8	252 799	504	Compression spring	021 399
	Plating yarn carrier bow 3+6 E10-18	252 807	505	Threaded bolt	213 399
6	Sliding piece	252 797	506	Compression spring	253 058



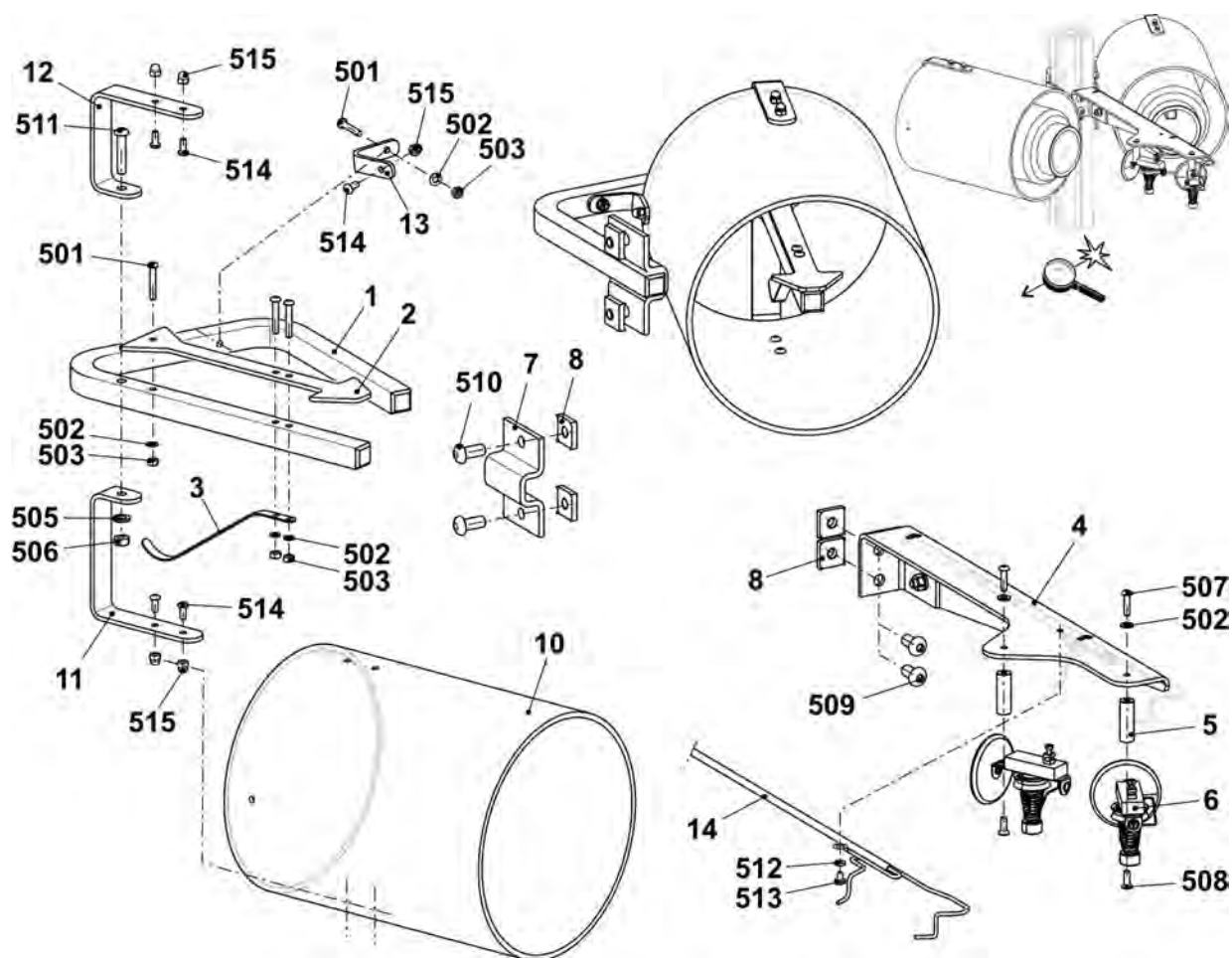
14.3 Carriage of plating yarn carrier (adjustable)

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



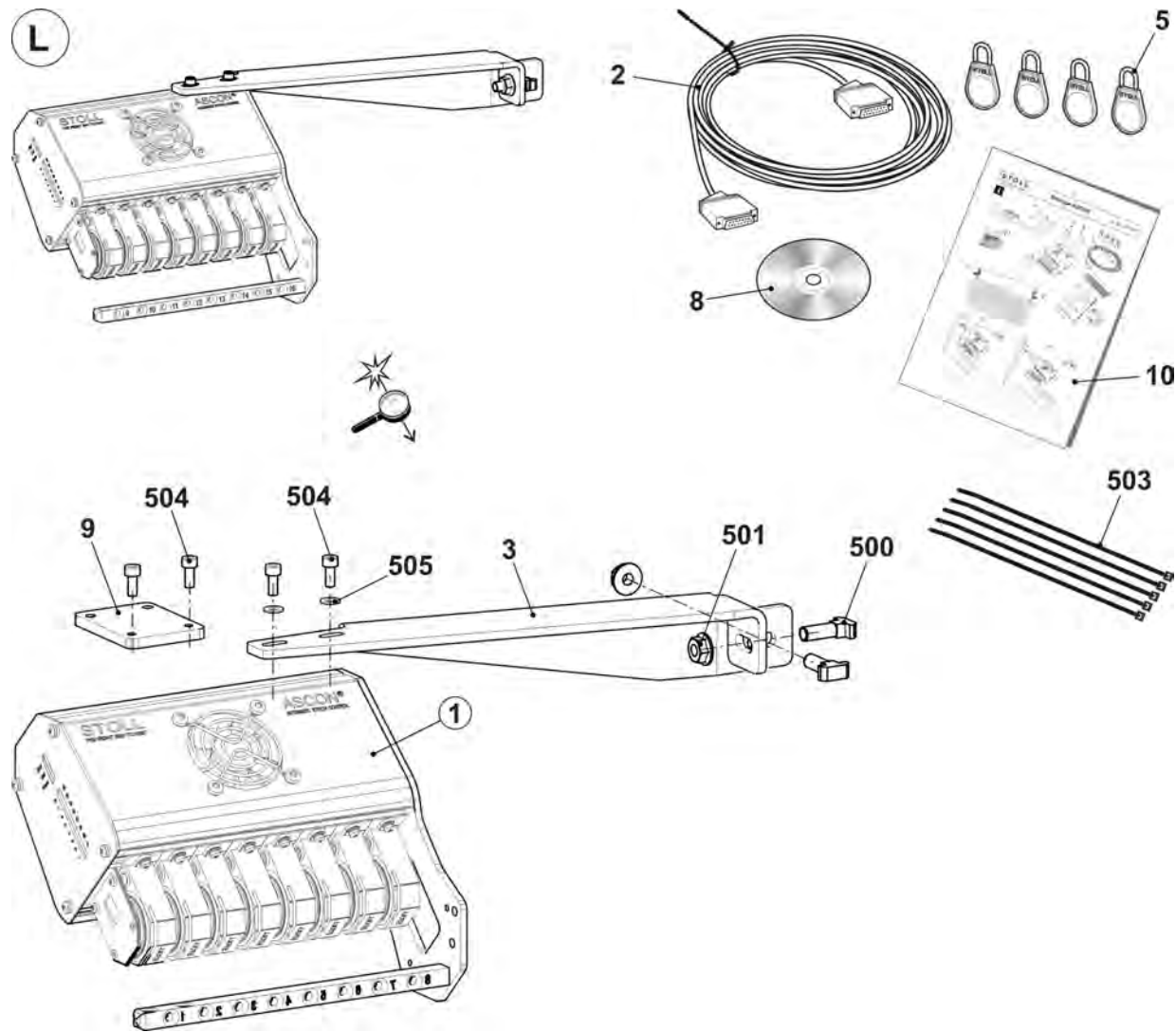
14.4 Bobbin holder on the right

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



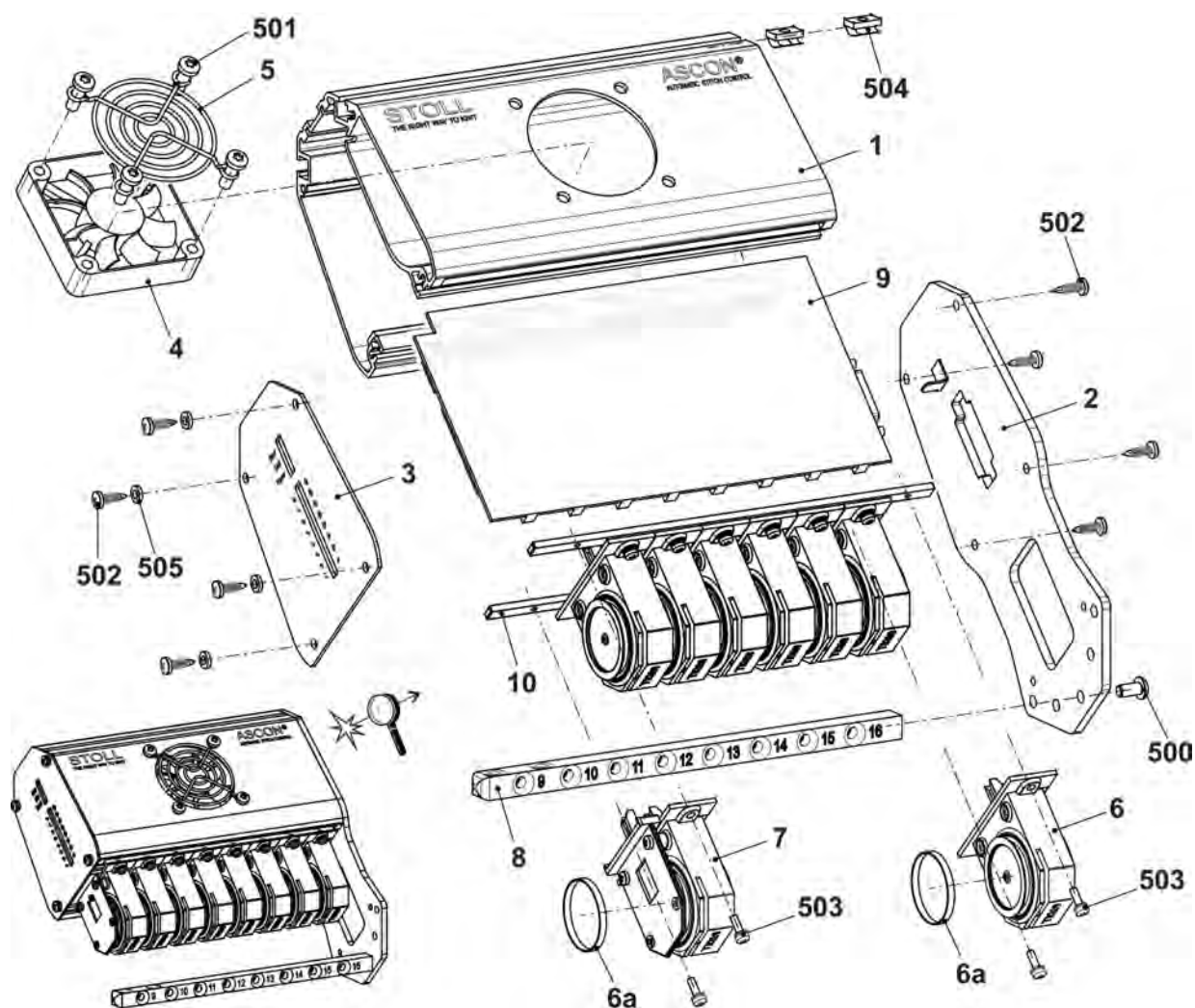
14.5 Yarn length measuring device on the left complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	265 392			
1	Yarn length measuring device on the left complete	257 283	10	Operating instructions of ASCON assembly	266 069
2	Cable ASCON	257 239	500	T-head bolt M8x25	022 866
3	Support on the left	265 046	501	Serrated nut M8-10	023 026
5	Adjustment weight	212 241	503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391	504	Cap screw M5x12	020 132
9	Holding plate	258 386	505	Washer 5	020 871



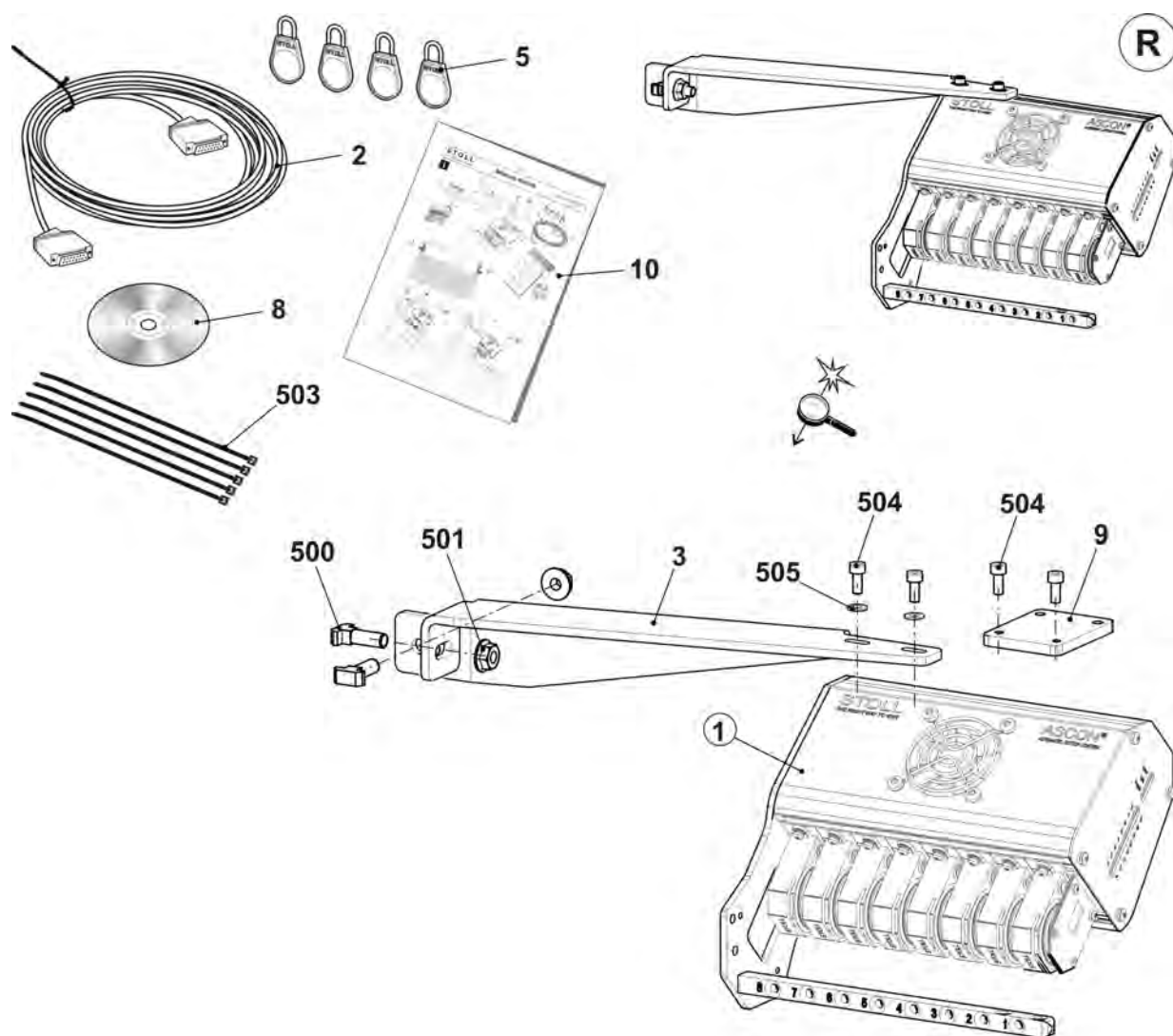
14.5.1 Yarn length measuring device

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



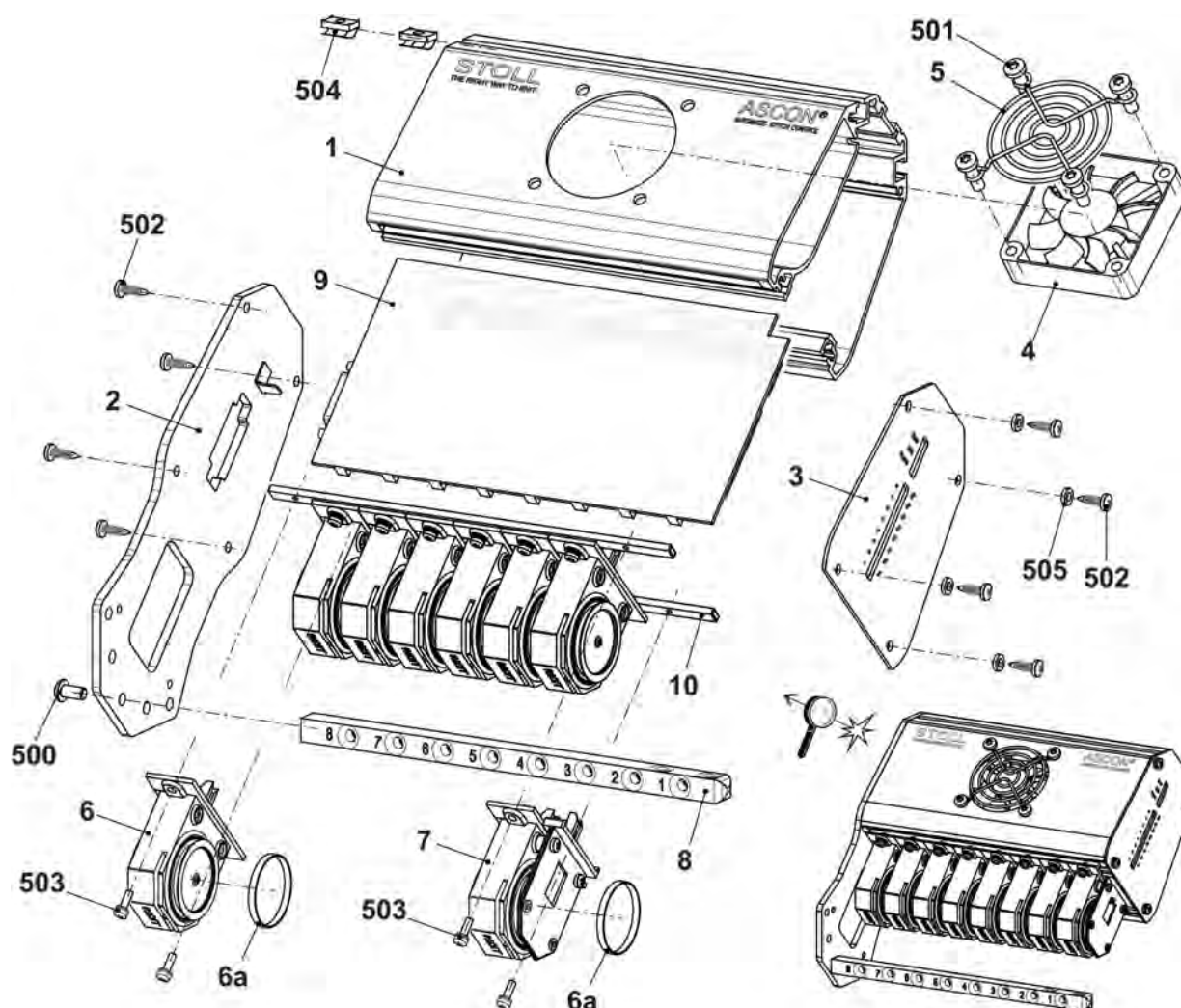
14.6 Yarn length measuring device on the right complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	265 391			
1	Yarn length measuring device on the right complete	257 282	10	Operating instructions of ASCON assembly	266 069
2	Cable ASCON	257 239	500	T-head bolt M8x25	022 866
3	Support right	265 045	501	Serrated nut M8-10	023 026
5	Adjustment weight	212 241	503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391	504	Cap screw M5x12	020 132
9	Holding plate	258 386	505	Washer 5	020 871



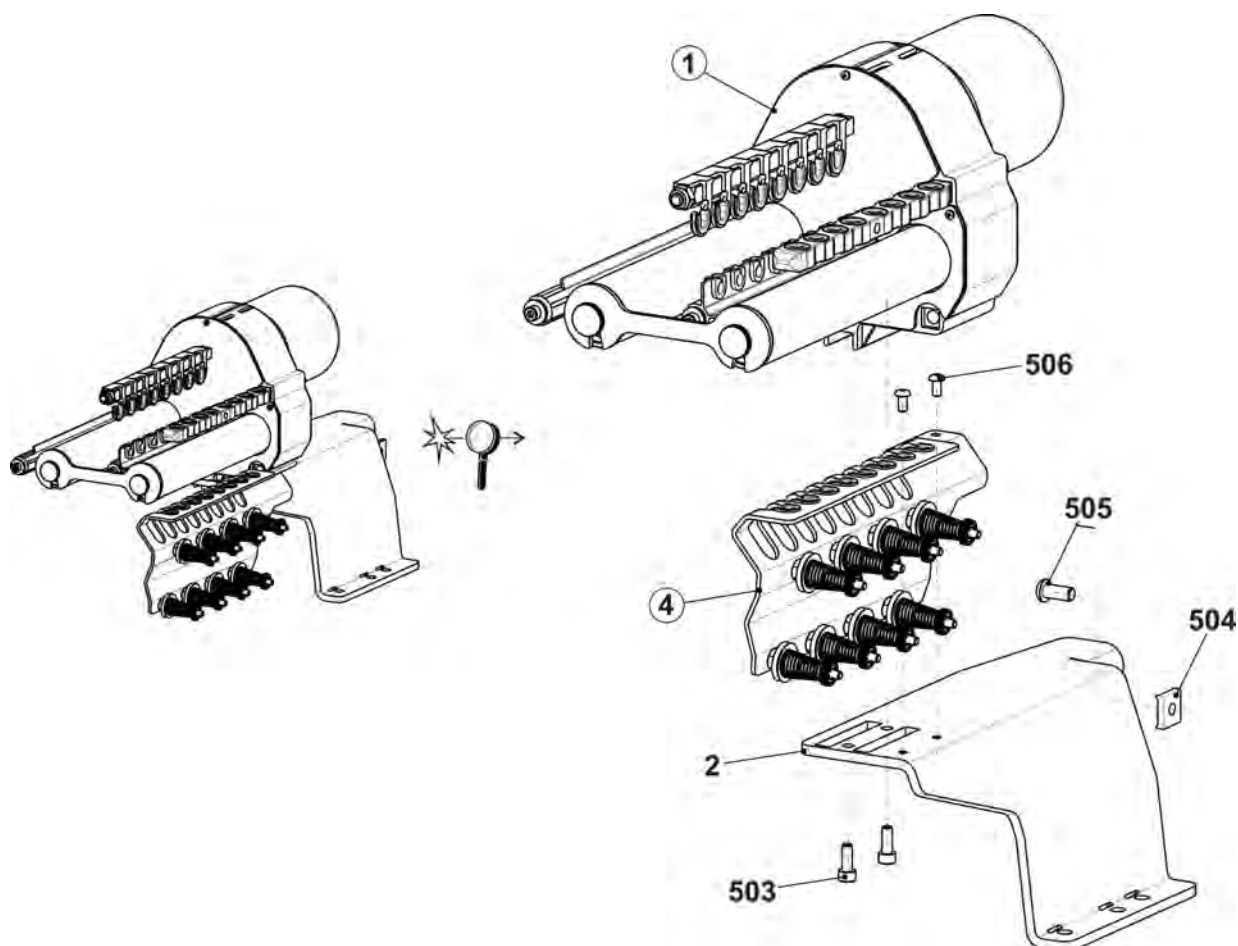
14.6.1 Yarn length measuring device on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 282	8	Yarn guide rod	257 139
1	Housing	257 281	9	Card Ascon	255 000
2	Support	257 278	10	Threaded strip	257 138
3	Cover	257 273	500	Pan-head screw M5x10	023 247
4	Fan with plug	257 048	501	Screw 50x15	251 728
5	Protective grid fan Servo5	229 142	502	Sheet metal screw ST3,5x13	022 940
6	Sensor	211 354	503	Oval head screw with washer M3x10	023 380
6a	Rubber running ring	258 582	504	Spring nut M5	022 873
7	Sensor complete	212 406	505	Serrated lock washer J3,7	022 554



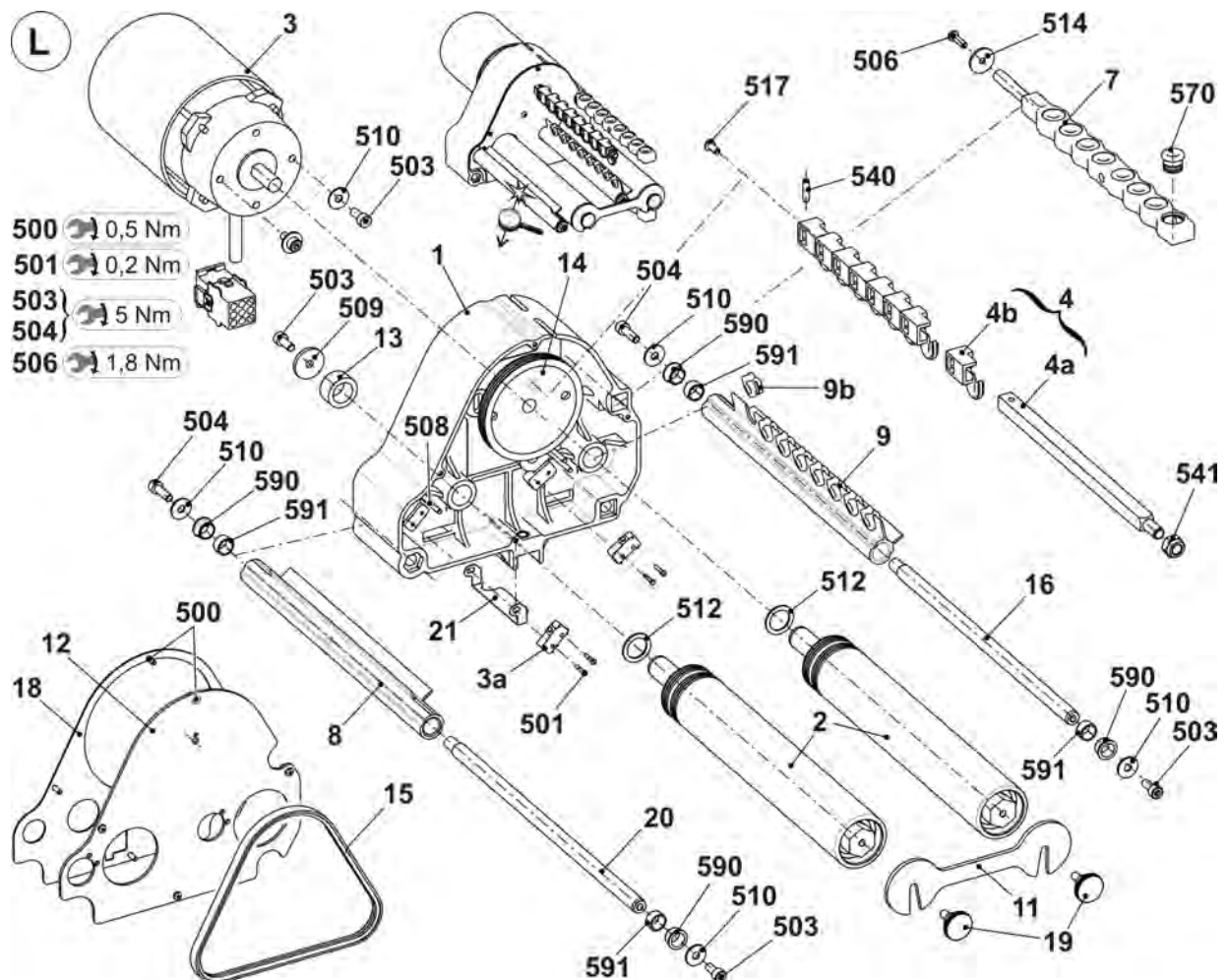
14.7 Friction feed wheel on the left

Pos	Designation	ID	Pos	Designation	ID
ΣL	Friction feed wheel on the left complete	265 436	503	Cap screw M6x16	020 135
1	Friction feed wheel on the left	264 324	504	Slot nut	228 851
2	Support of left feed wheel	264 453	505	Pan-head screw M8x18	251 331
4	Stopping device on the left E10-18	265 289	506	Pan-head screw M5x10	023 247



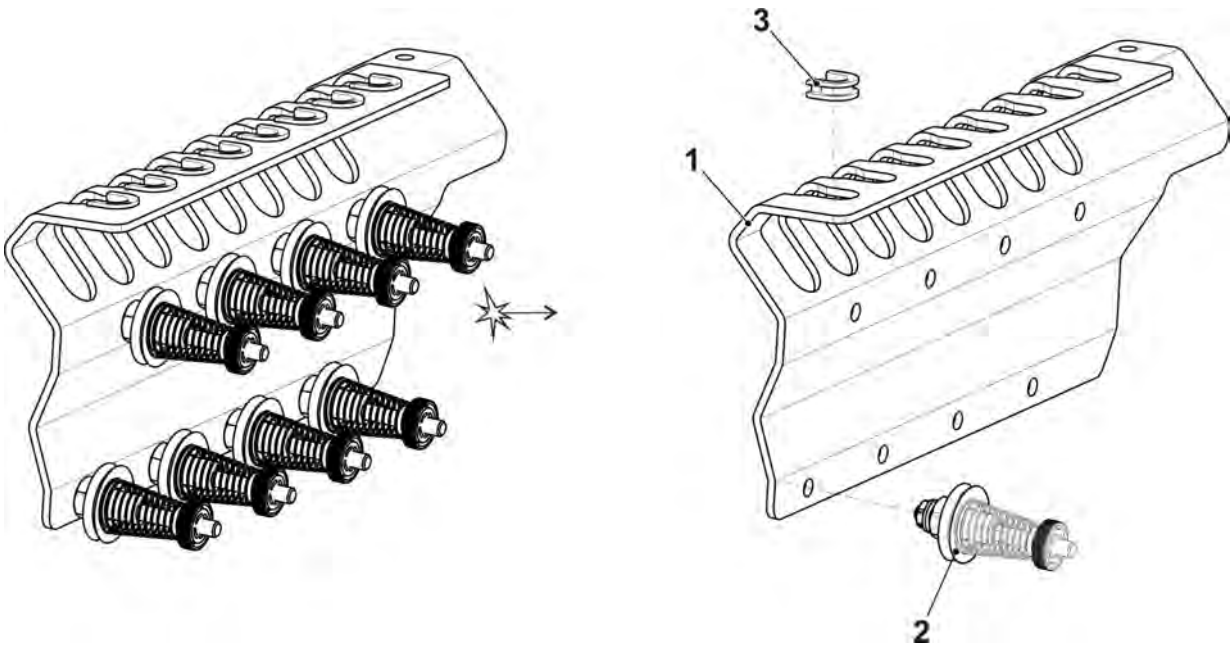
14.7.1 Left friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the left	264 324	13	Bush	221 391
1	Housing	240 368	14	V-ribbed belt pulley	221 268
2	Friction roller complete	231 704	15	Ribbed V-belt V3J 406	206 927
3	Three-phase AC motor complete	219 800	16	Rod	221 319
3a	Microswitch	008 664	18	Cover	230 758
4	Deflector complete 8-fold	250 089	19	Knurled screw	223 361
4a	Support rail	250 055	20	Rod	230 658
4b	Eyelet holder complete	250 077	21	Grounding plate	256 622
540	Spring dowel sleeve 4x16	020 783	500	Screw KB30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	265 445
7	Yarn guide rod complete	239 431	503	Cap screw M5x12	020 132
570	Eyelet 8	021 504	504	Cap screw M5x16	022 726
8	Stop motion rail on the right complete	230 690	506	Screw KB 40x14	241 358
9	Stop motion rail on the left complete with eyelets	230 683	508	Dowel pin3M6x40	023 528
9b	Eyelet	230 662	509	Washer 5,3x22x2,5	023 219
590	Slide bearing	023 627	510	Washer 5	020 901
591	Guide piece	259 453	512	Shim ring 15x21x1	023 216
11	Bracket	221 316	514	Washer 4,3x18x1,5	020 908
12	Cover	251 098	517	Pan-head screw M4x8	023 579



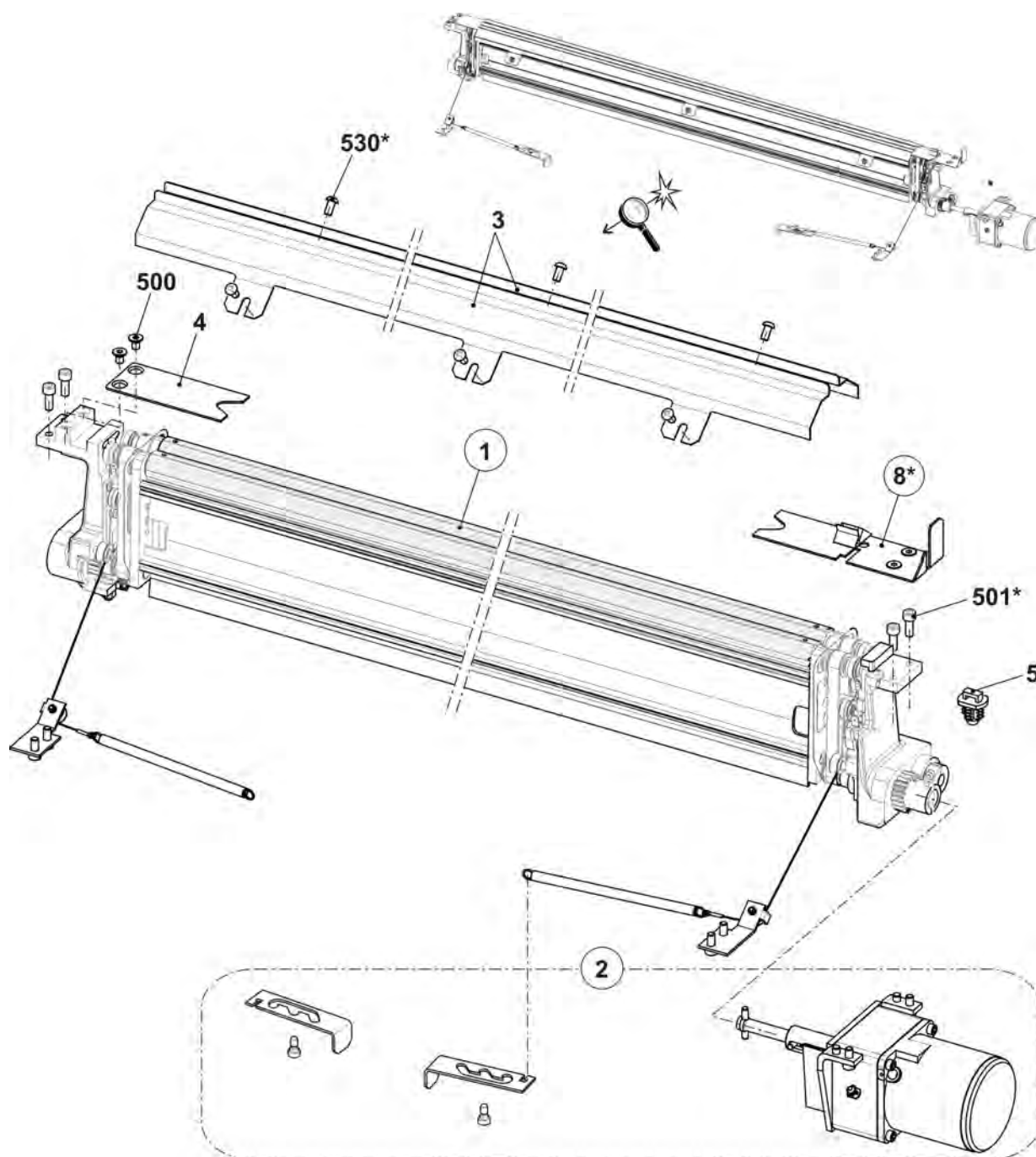
14.7.2 Stopping device on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Stopping device on the left E10-18	265 289	2	Yarn brakeE10-18	259 440
1	Stopping device on the left E10-18	265 287	500	Ceramic eyelet open	240 733



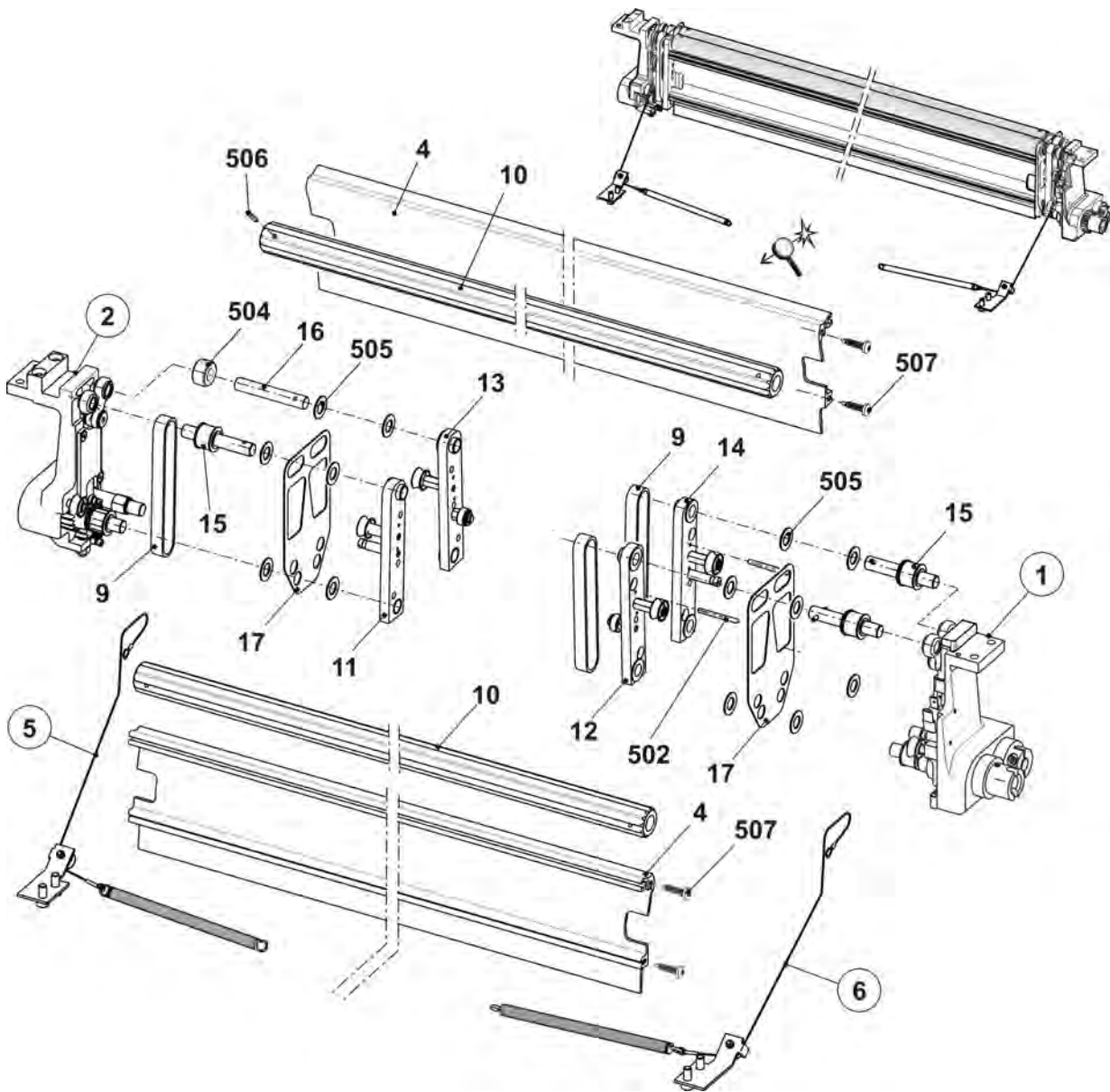
14.8 Additional take-down, Retrofit kit

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



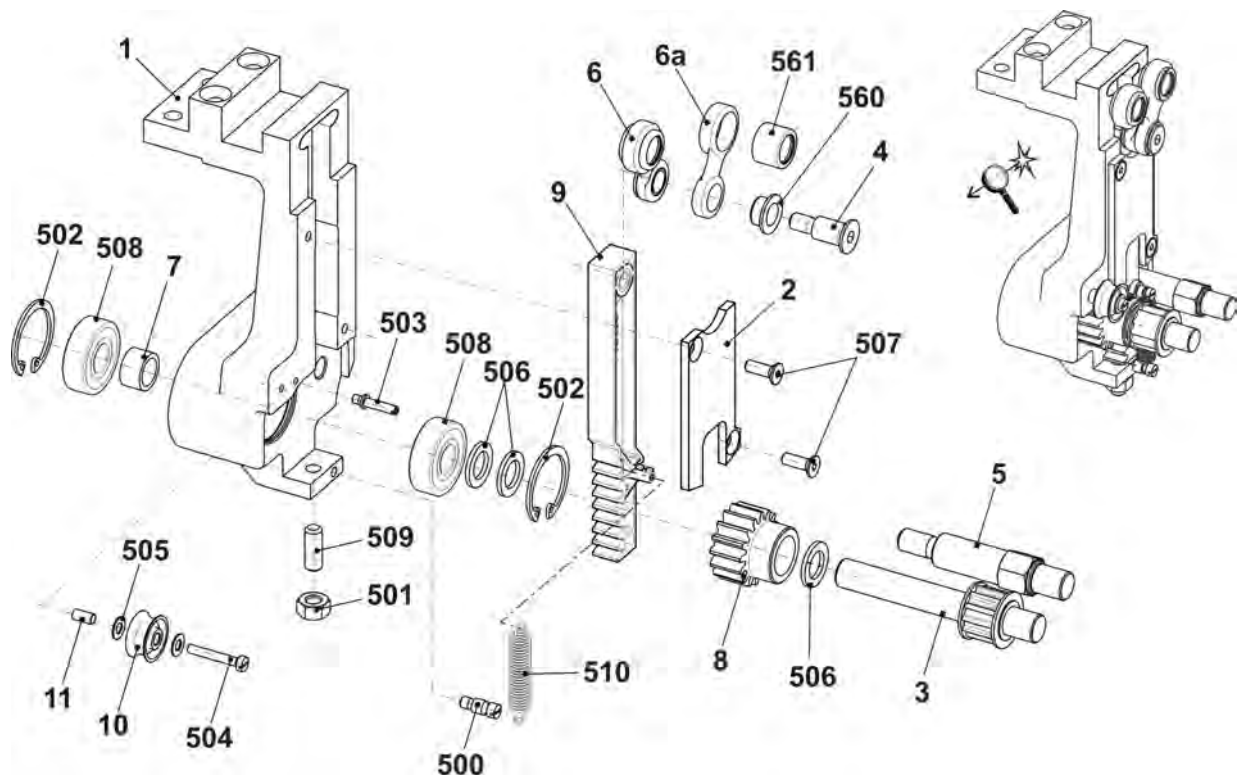
14.8.1 Auxiliary take-down pre-assembled

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Auxiliary take-down pre-assembled	257 008	13	Lever at the rear on the left	227 261
1	Bearing on the right complete	239 996	14	Lever at the rear on the right	227 260
2	Bearing on the left complete	239 999	15	Toothed belt pulley complete	226 708
4	Guide plate	256 878	16	Bolts	227 914
5	Metal angle on the left complete	225 013	17	Protective plate	225 754
6	Metal angle on the right complete	225 014	502	Shoulder screw M3x27x32	023 634
9	Toothed belt 10T5/260	208 832	504	Set collar	020 934
10	Take-down roller	256 879	505	Stop disk	023 646
11	Lever at the front on the left	227 263	506	Spring dowel sleeve 3x20	020 776
12	Lever at the front on the right	227 262	507	Sheet metal screw St4,8x22	023 259



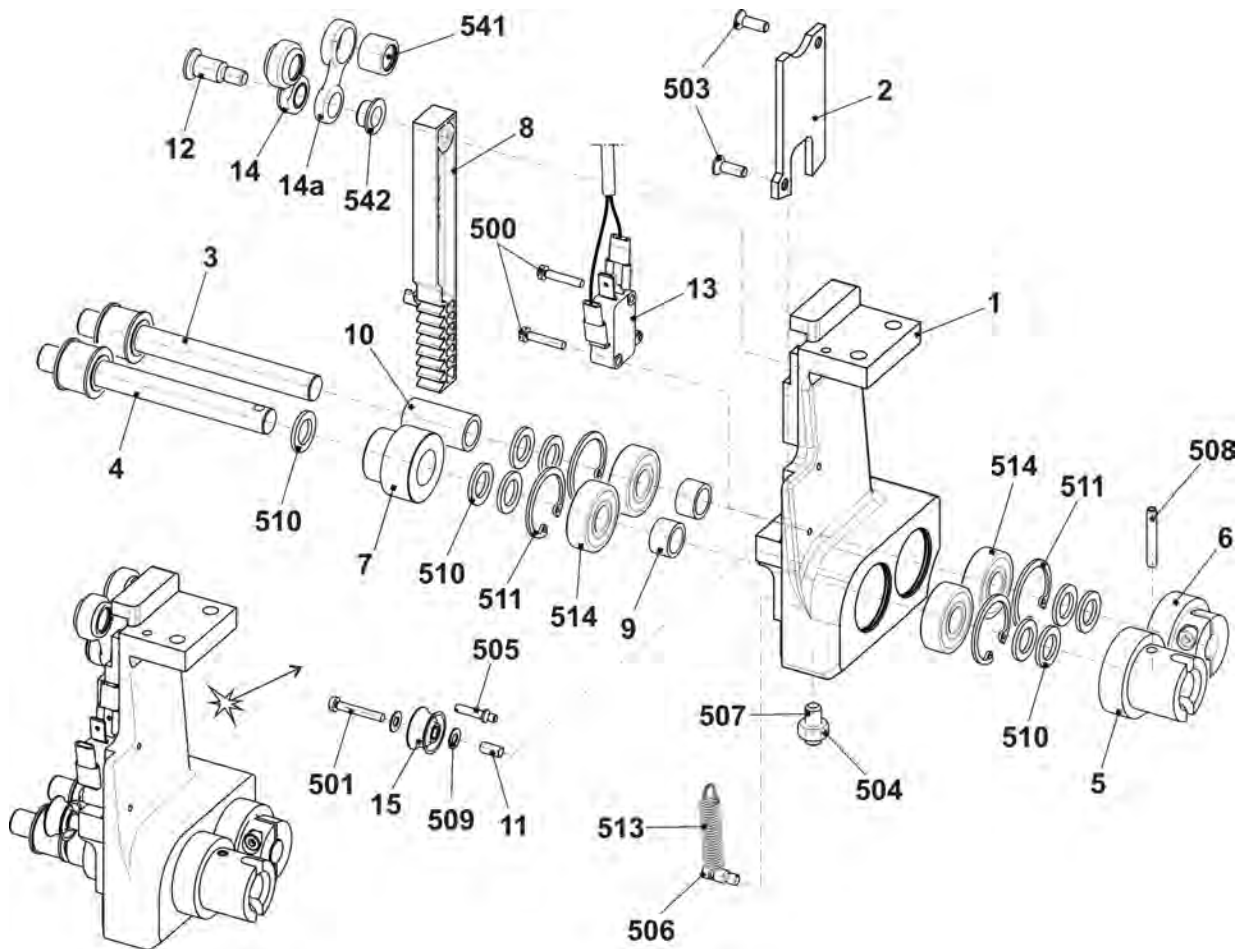
14.8.1.1 Left bearing of the auxiliary take-down

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



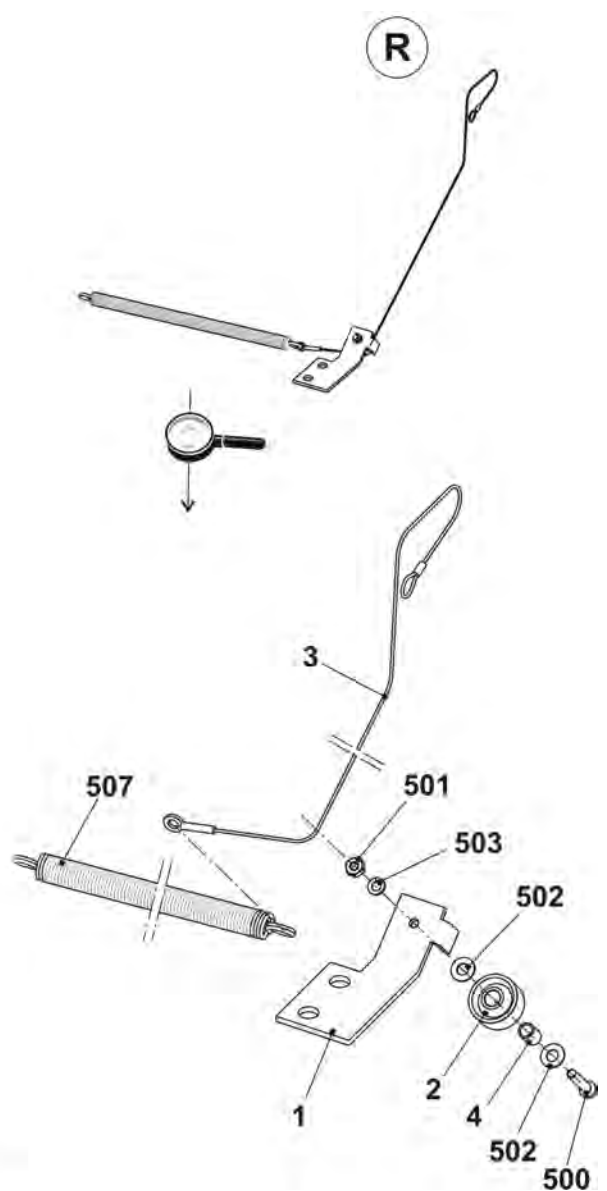
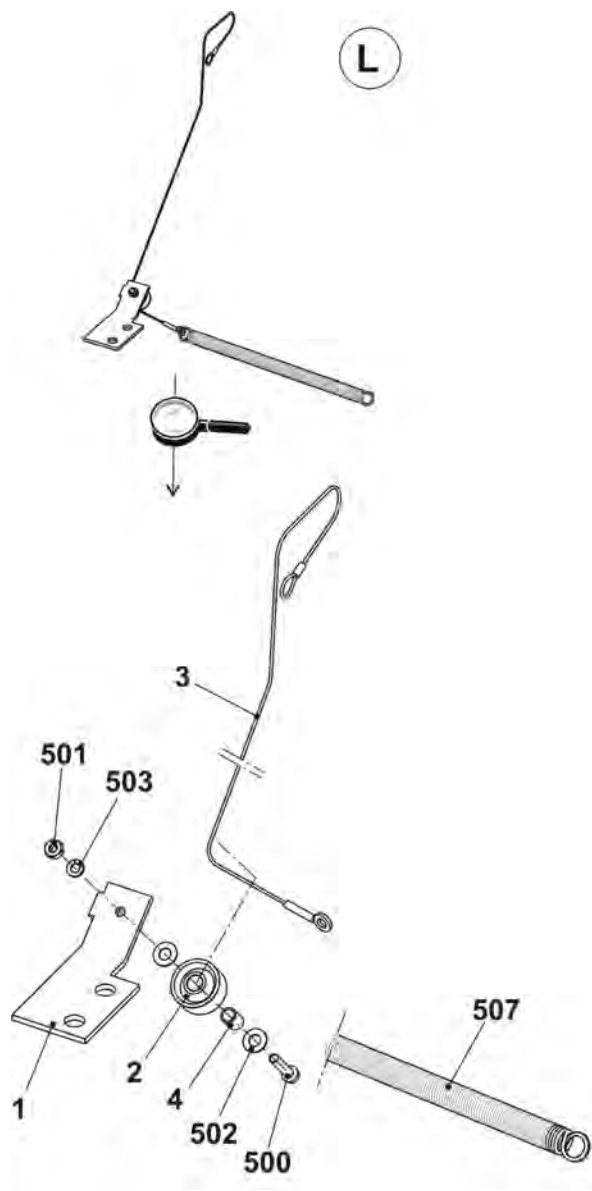
14.8.1.2 Right bearing of the auxiliary take-down

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



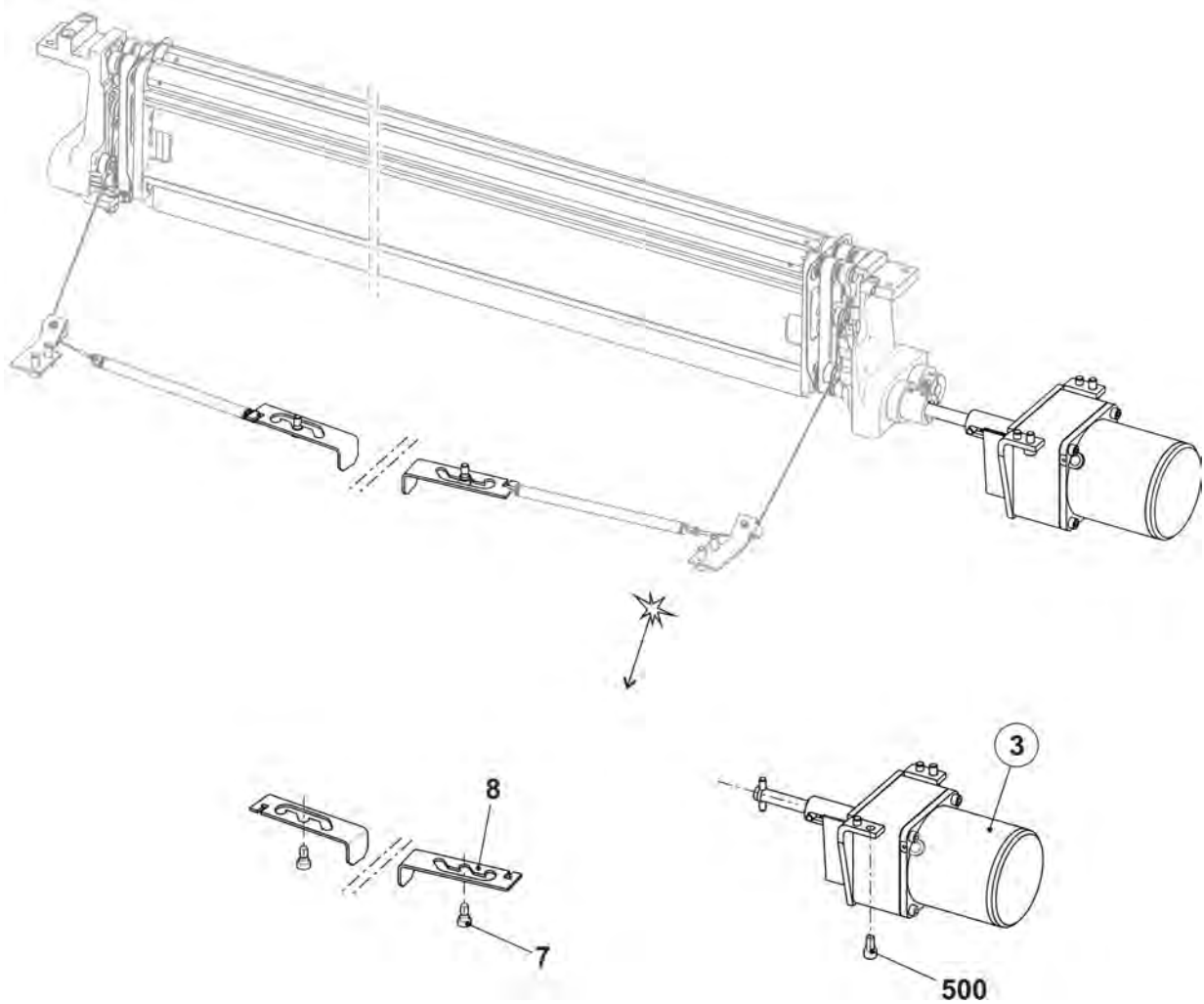
14.8.1.3 Metal angle on the left and right complete

Pos	Designation	Id	Pos	Designation	Id
Σ L	Metal angle on the left complete	225 013	Σ R	Metal angle on the right complete	225 014
1	Metal angle on the left	224 920	1	Metal angle on the right	224 931
2	Roller deflector	218 805	2	Roller deflector	218 805
3	Fine rope	224 977	3	Fine rope	224 977
4	Sleeve	227 867	4	Sleeve	227 867
500	Cap screw M3x16	022 560	500	Cap screw M3x16	022 560
501	Hexagon nut M3-6	022 564	501	Hexagon nut M3-6	022 564
502	Shim ring 4x8x0,5	023 384	502	Shim ring 4x8x0,5	023 384
503	Spring washer A3	021 005	503	Spring washer A3	021 005
507	Tension spring 8x0,9x75	021 287	507	Tension spring 8x0,9x75	021 287



14.8.2 Auxiliary take-down in the middle

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



14.9 Sanding Paper Brake

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

