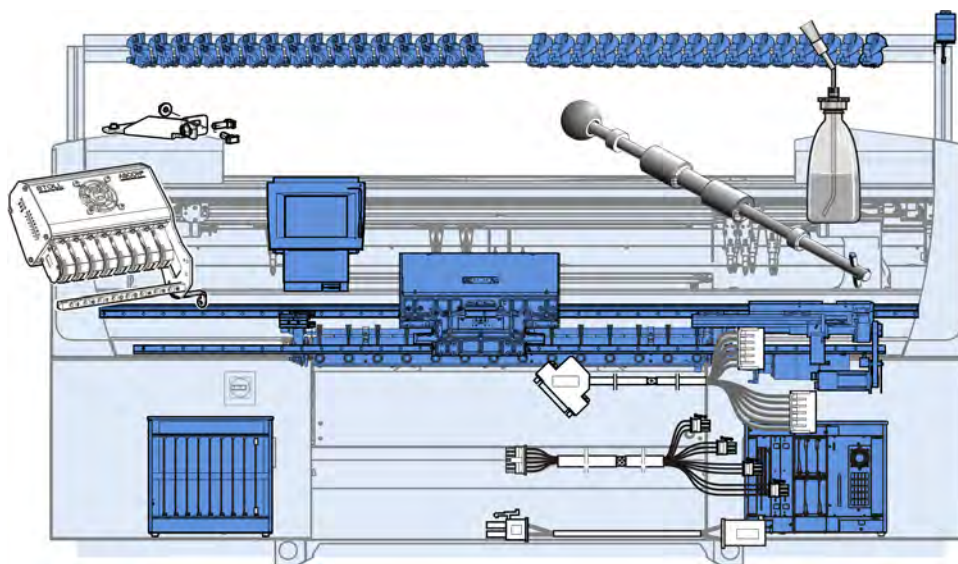


STOLL

Spare parts catalog CMS ADF-3 (Typ 681)

Component type 001

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



Document no. 263797_01_EN
Release 11/2013 - 03.06.2014

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.

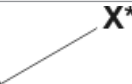
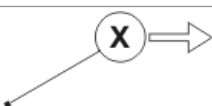
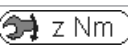
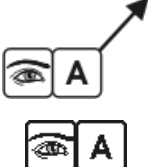
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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
	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	

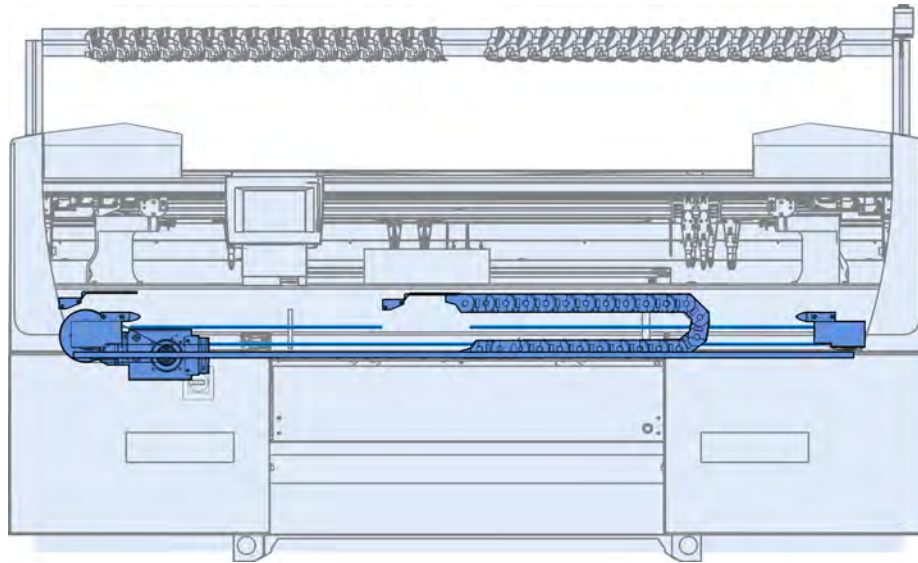
Table of Contents

1	Introduction	3
1.1	Search help	4
1.2	Torques	5
2	Carriage drive	11
2.1	Main drive	12
2.1.1	Motor and belt drive	13
2.1.2	Bearing	14
2.2	Energy chains	15
3	Racking	17
3.1	Racking	18
4	Needle beds	19
4.1	Needle bed E10	20
4.1.1	Continuation needle bed E10	21
4.2	Needle bed E12	22
4.2.1	Continuation needle bed E12	23
4.3	Needle bed E14	24
4.3.1	Continuation needle bed E14	25
4.4	Needle bed E16	26
4.4.1	Continuation needle bed E16	27
4.5	Needle bed E18	28
4.5.1	Continuation needle bed E18	29
4.6	Needle bed E12m.10	30
4.6.1	Continuation needle bed E12m.10	31
4.7	Needle bed E14/12	32
4.7.1	Continuation needle bed E14/12	33
4.8	Needle bed E7.2	34
4.8.1	Continuation needle bed E7.2	35
4.9	Needle bed E8.2	36
4.9.1	Continuation needle bed E8.2	37
4.10	Needle beds, fixing elements	38
4.11	Right clamping and cutting bed E10 E12 E14 E7.2	39
4.12	Left clamping and cutting bed E10 E12 E14 E7.2	40
4.13	Right clamping and cutting bed E16 E18 E8.2	41
4.14	Left clamping and cutting bed E16 E18 E8.2	42
5	Carriage	43
5.1	Carriage and linear guidance	44
5.2	Carriage front and rear	45
5.3	Carriage parts	46
5.4	Continuation of carriage parts	47
5.5	Brush holder	48
5.6	Needle detector	49
5.7	Holding-down jack control	50
5.8	Grease supply	51
5.9	Cam box E10	52
5.9.1	Cams E10	53
5.10	Cam box E12	54
5.10.1	Cams E12	55
5.11	Cam box E14 E14/12	56
5.11.1	Cams E14 E14/12	57
5.12	Cam box E16 E18	58
5.12.1	Cams E16 E18	59
5.13	Cam box E12m.10	60
5.13.1	Cams E12m.10	61
5.14	Cam box E7.2	62
5.14.1	Cams E7.2	63

5.15	Cam box E8.2	64
5.15.1	Cams E8.2	65
6	Main take-down	67
6.1	Main take-down	68
6.2	Main take-down on the left	69
6.2.1	Swivel-mounted bearing	70
6.3	Main take-down on the right	71
6.3.1	Mounting plate	72
6.3.2	Full floating axle on the left and the right	73
6.4	Main take-down in the middle	74
6.4.1	Stripper angle	75
6.4.2	Rear take-down roller	76
6.4.3	Front take-down roller	77
6.4.4	Impulse sensor and motor	80
7	Auxiliary Take-down	81
7.1	Auxiliary take-down pre-assembled	82
7.1.1	Right bearing of the auxiliary take-down	83
7.1.2	Left bearing of the auxiliary take-down	84
7.1.3	Metal angle on the left and right complete	85
7.2	Auxiliary take-down in the middle	86
7.3	Motor	87
7.4	Yarn brake at clamping and cutting bed	88
8	Comb Take-down	89
8.1	Comb Take-down	90
8.2	Comb take-down on the left	91
8.3	Comb take-down on the right	92
8.3.1	Drive shaft of comb	93
8.3.2	Swivel lever comb take-down	94
8.4	Comb take-down in the middle	95
8.4.1	Comb unit	96
8.4.2	Switching lever comb take-down	97
9	Yarn delivery device	99
9.1	Drive unit yarn carrier complete	100
9.2	YC rail, drive of operating shaft	101
9.3	YC rail, drive	102
9.4	Yarn carrier rails and carriages	103
9.5	Yarn guide system with 32 FKE ADF	104
9.5.1	Yarn control unit ADF	105
10	Fluff absorption	107
10.1	Fluff absorption	108
10.2	Fluff absorption, carriage parts	109
11	Operation and control	111
11.1	Starting device	112
11.1.1	Bearing of the engaging rod	113
11.2	Input unit	114
11.3	Control of Collecting Area	115
11.4	Signal light	116
11.5	Shock stop motion E10 E12 E14 E12m.14 E14/12 E7.2	117
11.6	Shock stop motion E16 18 E8.2	118
11.7	Measuring device	119
12	Protective devices	121
12.1	Lateral safety doors	122
12.2	Panelling	123
12.3	Covers	124
12.4	Light curtain	125
12.5	Left table	126

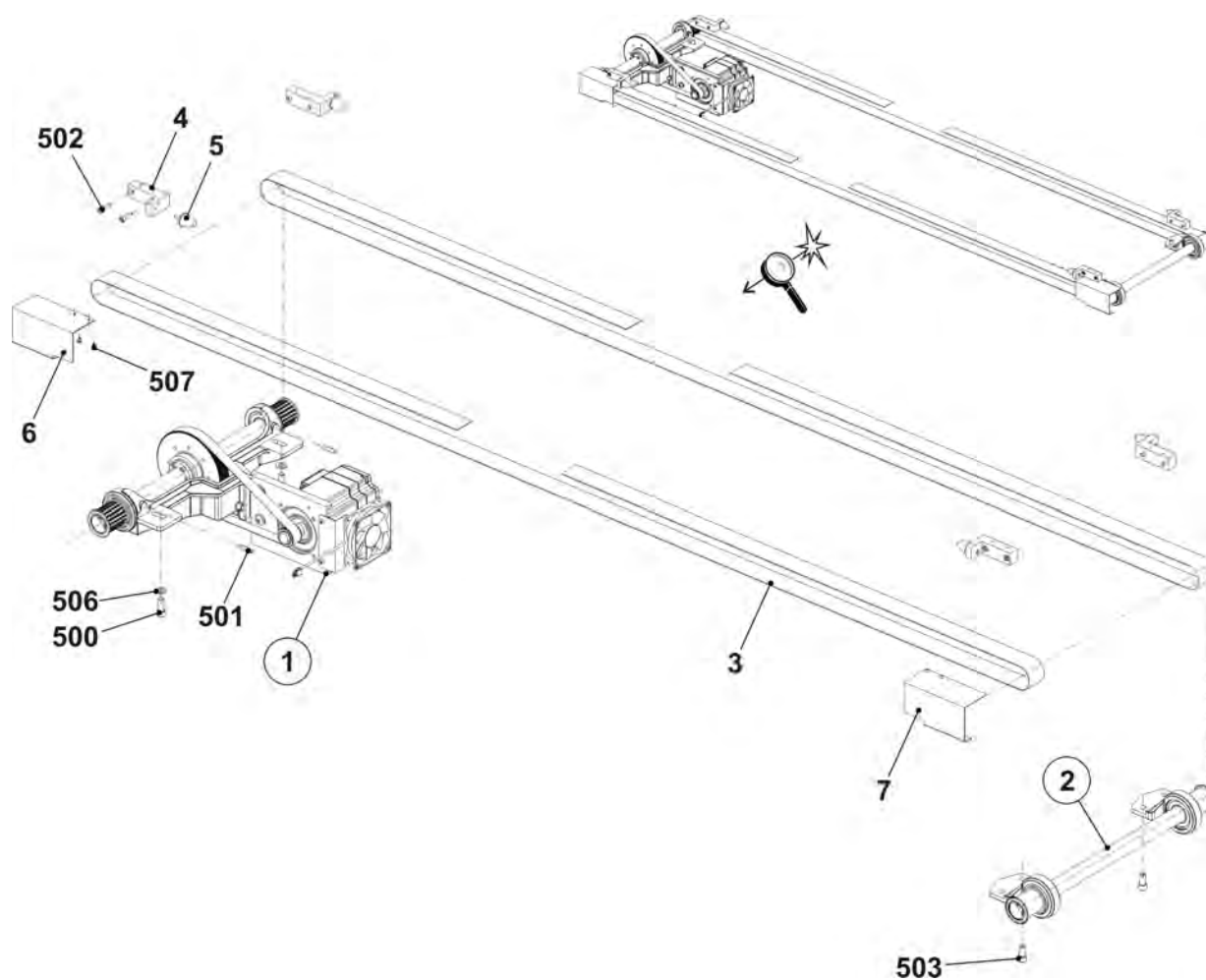
12.6	Right table	127
12.7	Table left and right, rollers	128
13	Electrical equipment	129
13.1	Fuses	130
13.2	Circuit diagram (222) as PDF	131
13.3	Cable guide front and rear ADF	132
13.4	Cable set installation	133
13.4.1	Cable set base 1 AFDF	134
13.4.2	Loom of cables base 2 AFDF	135
13.4.3	Loom of cables 5XX ADF	136
13.4.4	Loom of cables comb	137
13.5	Loom of cables servo AFDF left 16-fold	138
13.6	Loom of cables servo AFDF left 32-fold	139
13.7	Loom of cables servo AFDF right 16-fold	140
13.8	Loom of cables servo AFDF right 32-fold	141
14	Control electronics	143
14.1	Right control cabinet	144
14.2	Left control cabinet	145
15	Deliverable accessories	147
15.1	Accessories part 1	148
15.2	Accessories part 2	149
16	Special attachments	151
16.1	Lateral yarn feeding	152
16.1.1	Safety door on the left	153
16.1.2	Safety door on the right	154
16.1.3	Left yarn guide	155
16.1.4	Right yarn guide	156
16.1.5	Right and left support complete	157
16.1.6	Left friction feed wheel	158
16.1.7	Right friction feed wheel	159
16.1.8	Yarn deflector	160
16.2	Storage feed wheel MSF-3 ADF	161
16.3	Yarn length measuring device on the left complete	162
16.3.1	Yarn length measuring device	163
16.4	Yarn length measuring device on the right complete	164
16.4.1	Yarn length measuring device on the right	165
16.5	Yarn brake	166

2 Carriage drive



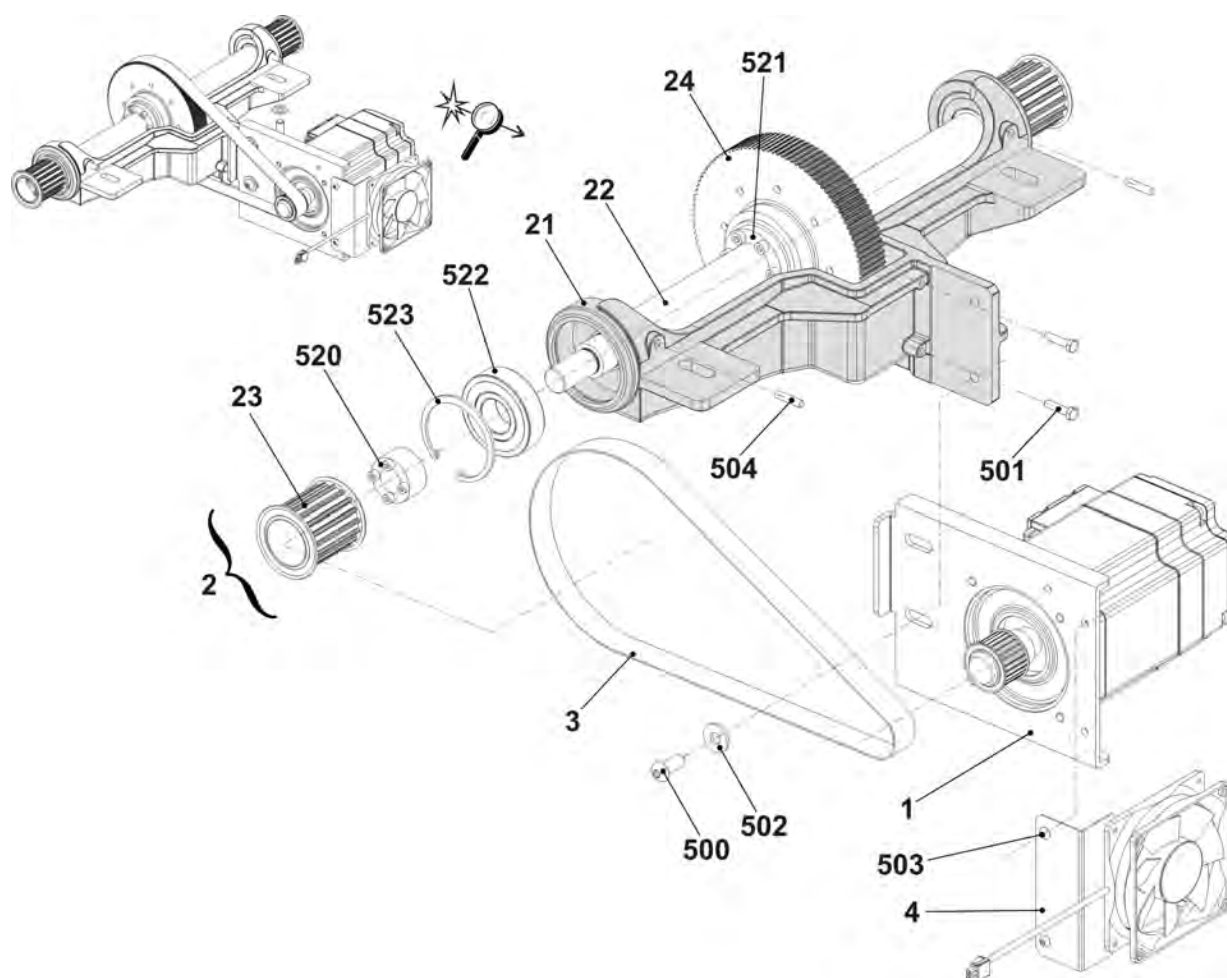
2.1 Main drive

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Main drive complete	258 061	7	Protective plate on the right	263 630
1	Drive unit complete	265 323	500	Cap screw M12x30	023 660
2	Bearing	265 339	501	Setscrew M8x35	257 945
3	Toothed belt 50AT10/5040	257 984	502	Cap screw M8x25	020 142
4	Support of buffer	257 947	503	Cap screw M12x25	023 383
5	Parabolic spring	258 009	506	Washer 12	020 875
6	Protective plate on the left	263 602	507	Pan-head screw M5x8	239 408



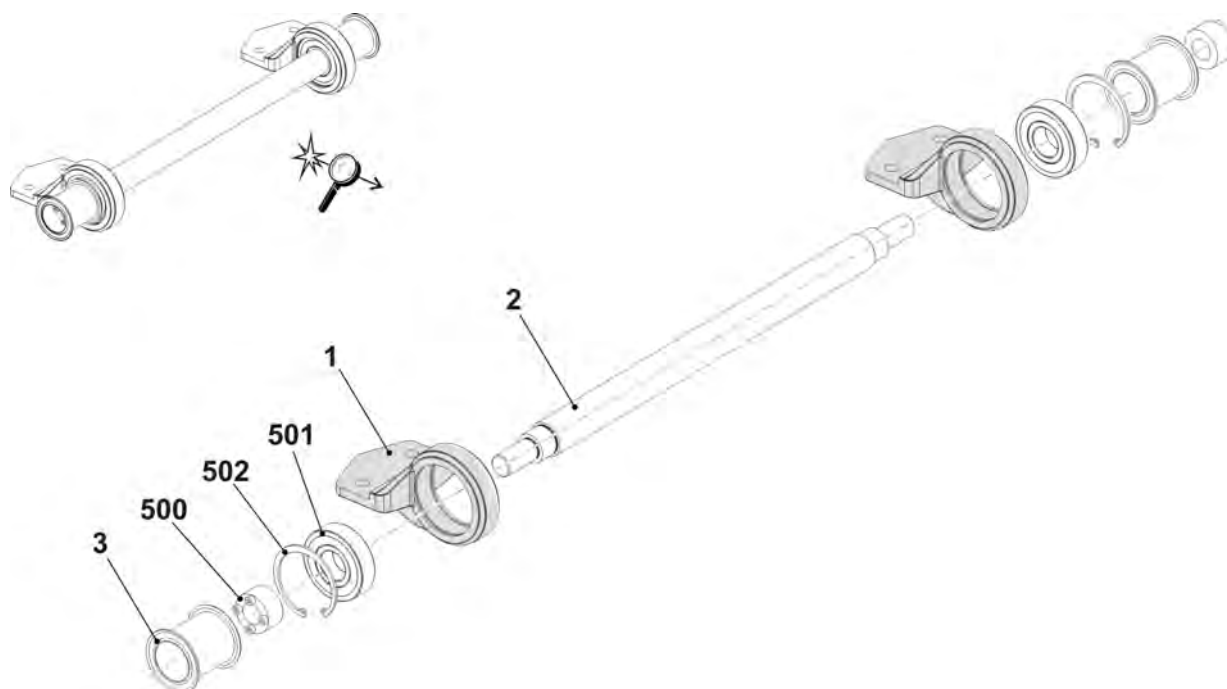
2.1.1 Motor and belt drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	265 323	522	Grooved ball bearing 6306-2RS	257 916
1	Drive unit	264 336	523	Retaining ring68x2.5	022 914
2	Drive bearing	265 324	3	Toothed belt250 HP-S5M 920 NG	258 010
21	Drive bearing	257 896	4	Fan complete	253 692
22	Drive shaft	265 321	500	Pan-head screw M10X25	023 684
23	Pinion57 AT10 18	265 430	501	Hexagon screw M6x25	257 917
24	Timing belt pulley	257 948	502	Disk10,5X25X2,5	022 178
520	Tension set 22x40	258 040	503	Pan-head screw M6X10	023 183
521	Tension set 35X60	258 039	504	Setscrew M8x35	257 945



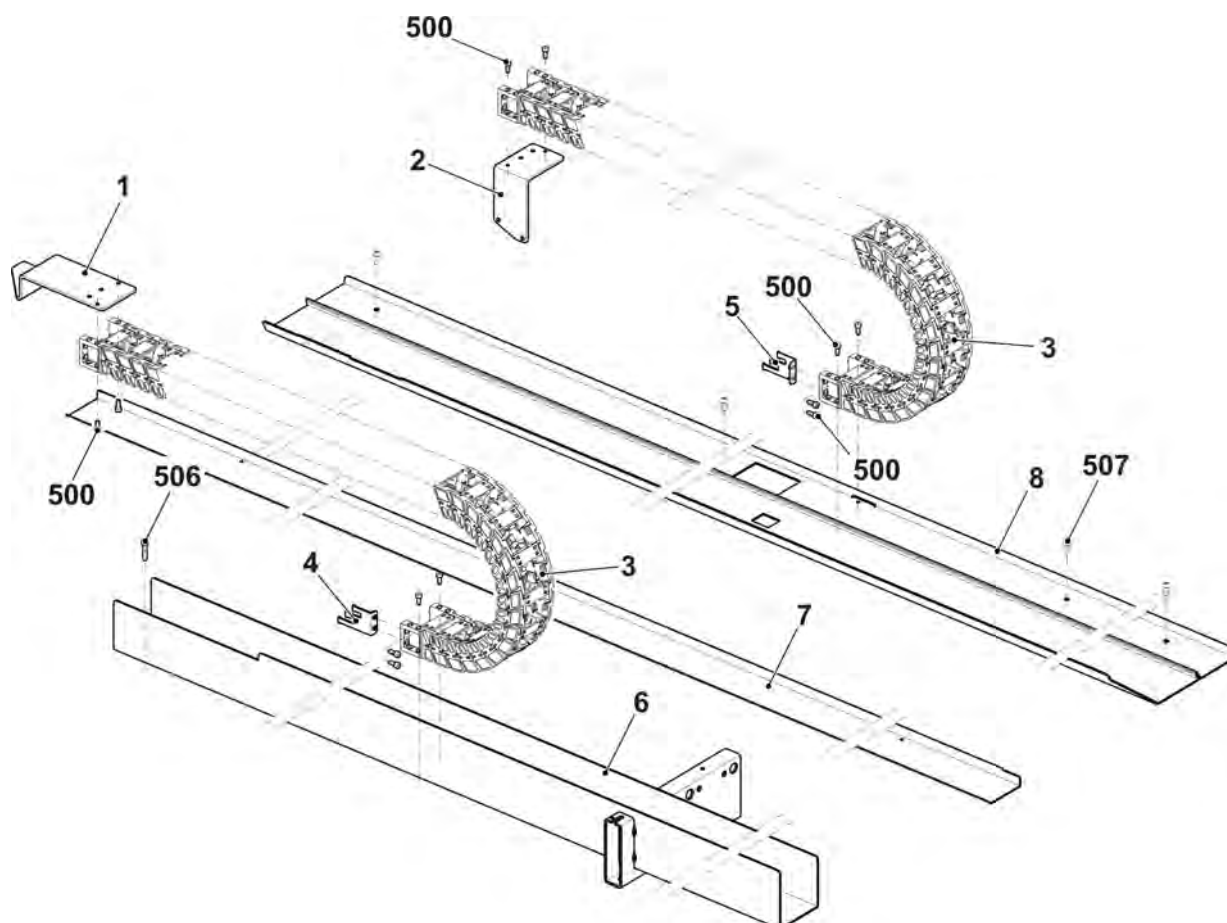
2.1.2 Bearing

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing	265 339			
1	Tension bearing	257 915	500	Tension set 22x40	258 040
2	Drive shaft	265 321	501	Grooved ball bearing 6306-2RS	257 916
3	Roll	265 322	502	Retaining ring 68x2,5	022 914

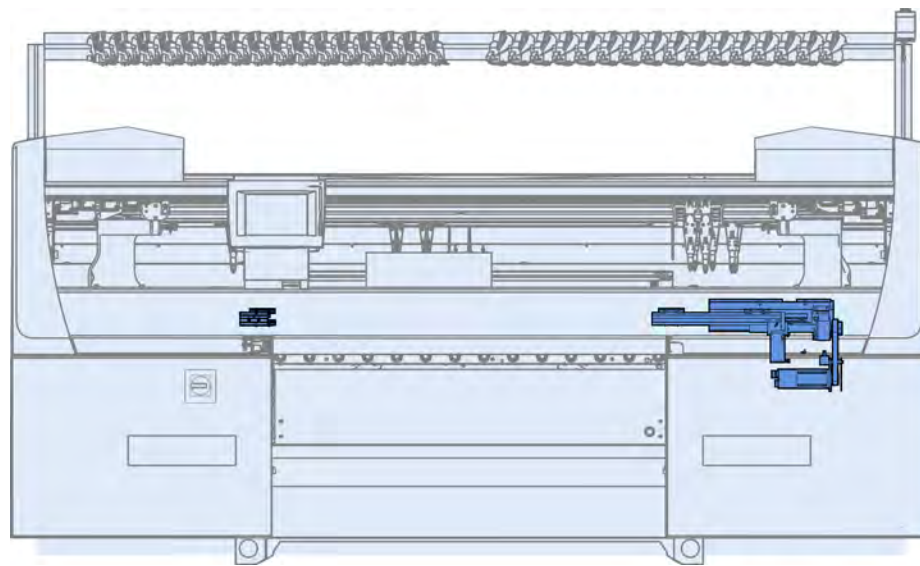


2.2 Energy chains

Pos	Designation	ID	Pos	Designation	ID
Σ	Energy chains		6	Front depositing gutter	265 577
1	Cable driver (front)	265 343	7	Depositing gutter	265 545
2	Cable driver (rear)	265 473	8	Rear depositing gutter	265 340
3	Energy chain E6.35.050.100.0	265 716	500	Cap screw M5x12	020 132
4	Cable holder front	266 666	506	Cap screw M6x25	020 137
5	Cable holder rear	266 667	507	Pan-head screw M6x10	023 183

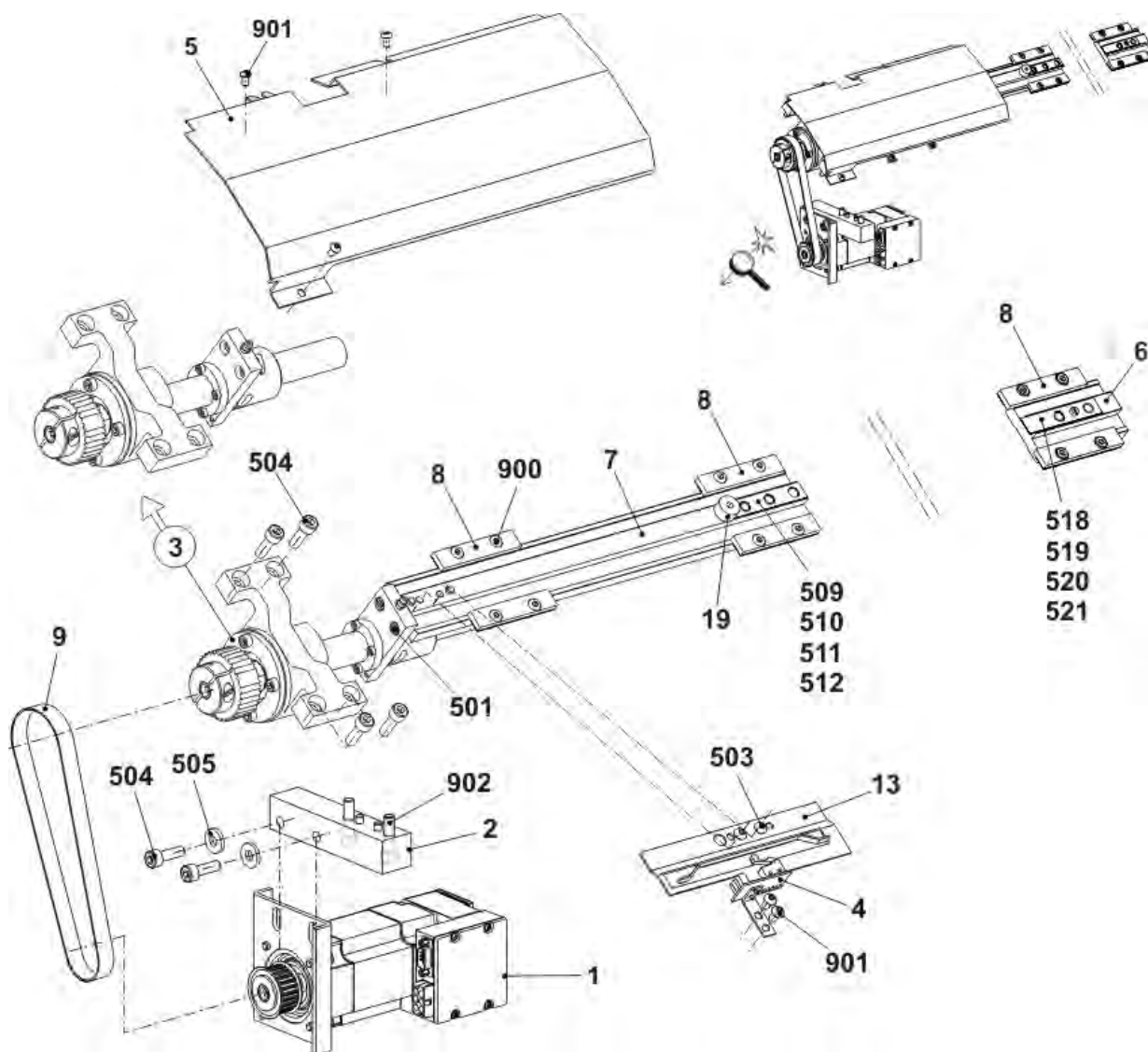


3 Racking

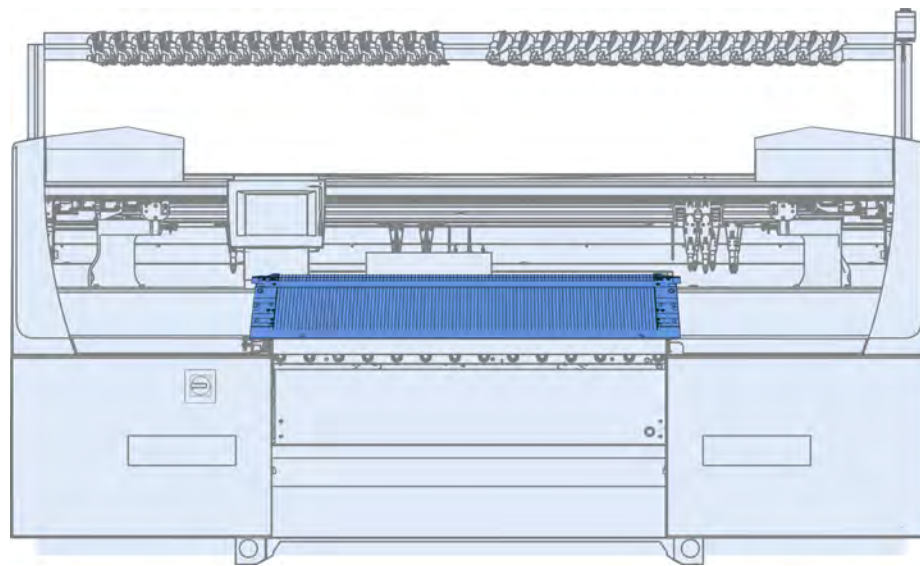


3.1 Racking

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

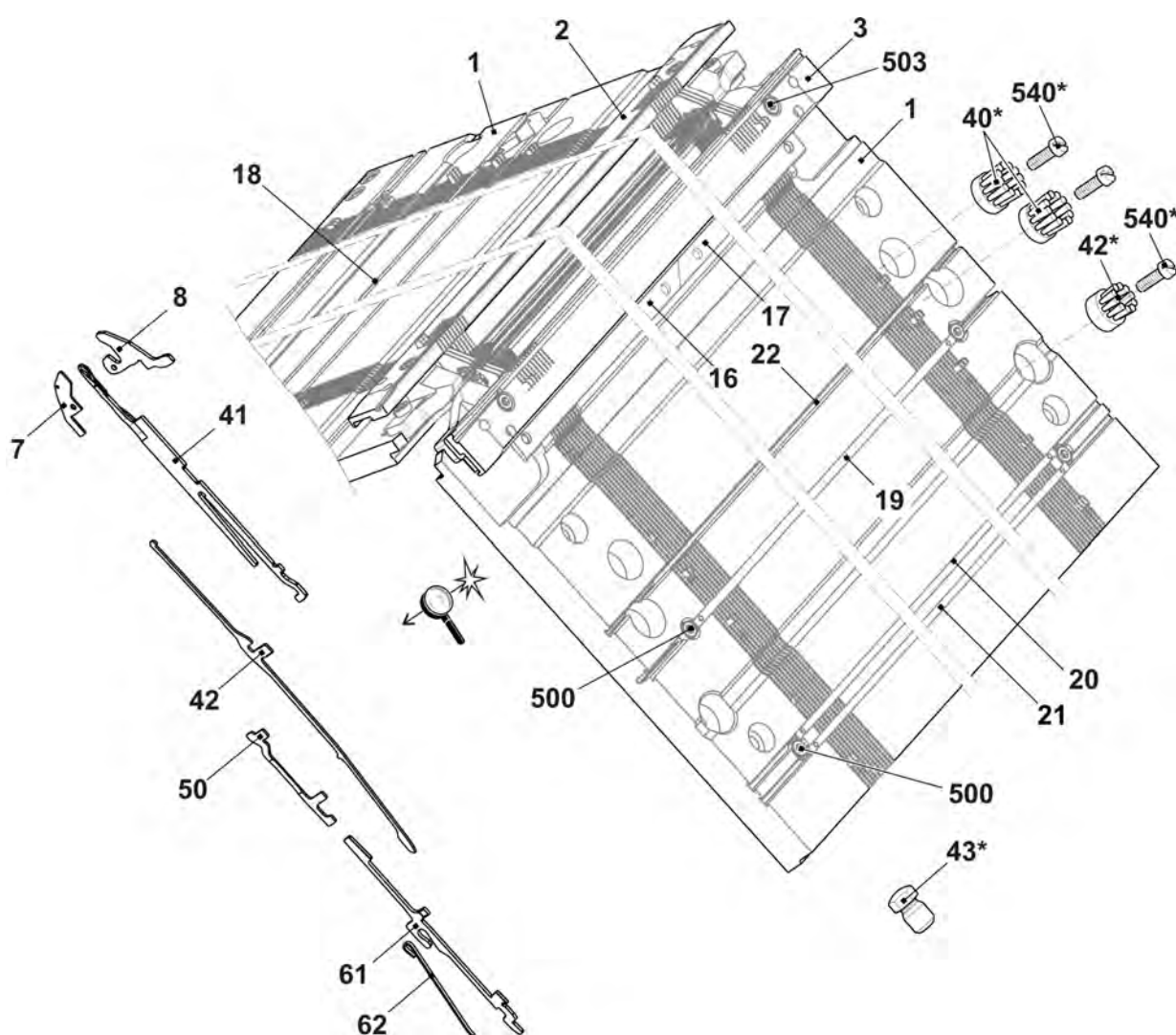


4 Needle beds



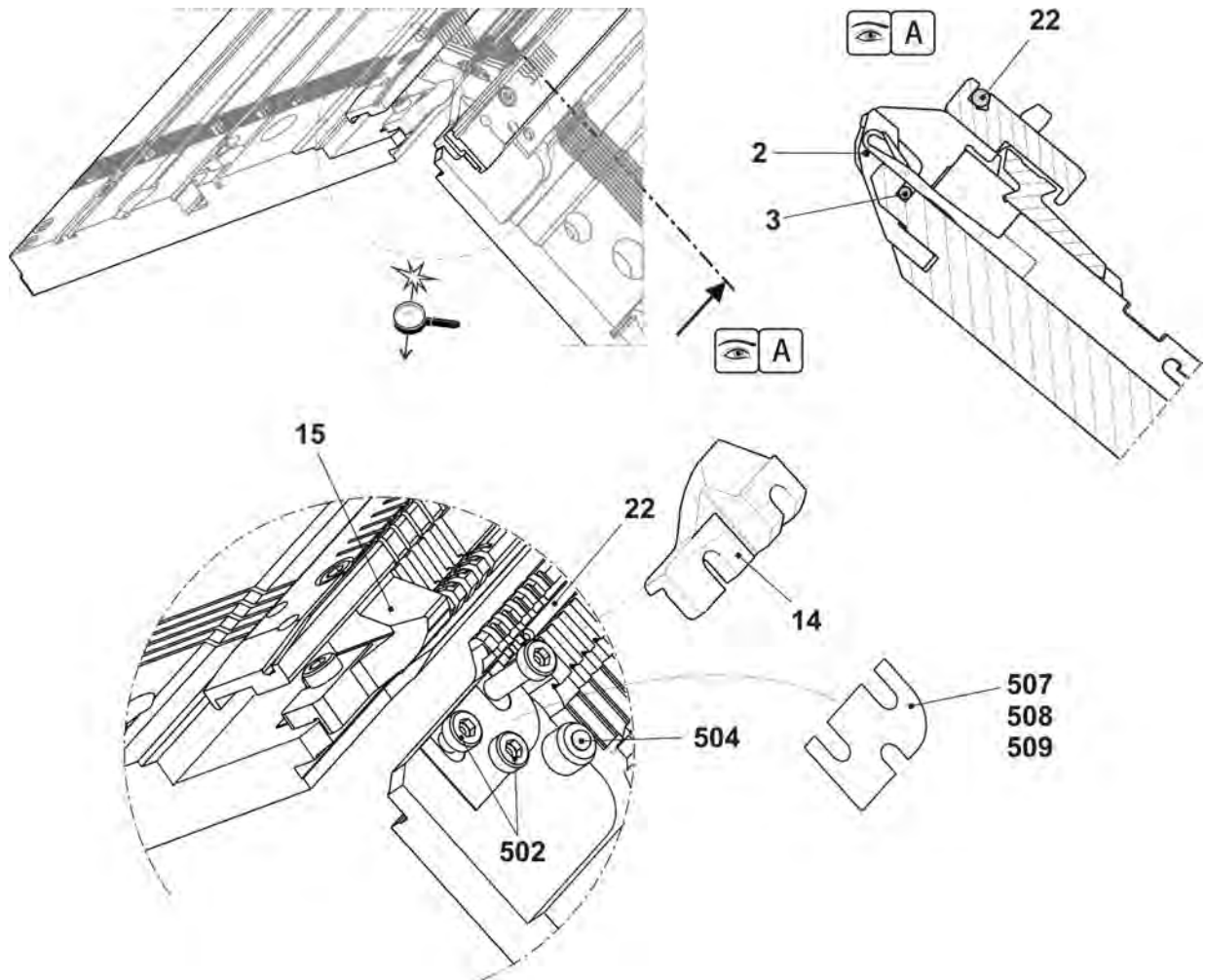
4.1 Needle bed E10

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E10	263 860	17	Needle bar on the right	213 999
1	Needle bed at the front + rear E10	263 709	18	Cover rail at the rear	213 981
2	Holding-down jack bed at the rear E10	240 447	19	Cover rail at the front E10	214 036
3	Holding-down jack bed at the front E10	240 430	20	Cover rail	213 762
41	Needle E10 with round hook	205 398	21	Cover rail	213 763
42	Coupling part E10-12	253 382	22	Locating wire D=2,8 1290mm	213 983
50	Intermediate slider with brake E10-12	255 535	500	Cap screw M5x10	022 918
61	Selection jack E10-12	200 688	503	Cap screw M5x22	023 193
62	Selector spring E10-12	200 691	40*	Disk brush	235 612
7	Knock-over bit E10	239 756	42*	Disk brush	202 600
8	Holding-down jack (trick wall) E10	239 815	43*	Adjusting bolt	240 765
16	Needle bar on the left	213 998	540*	Cap screw M5x12	020 032



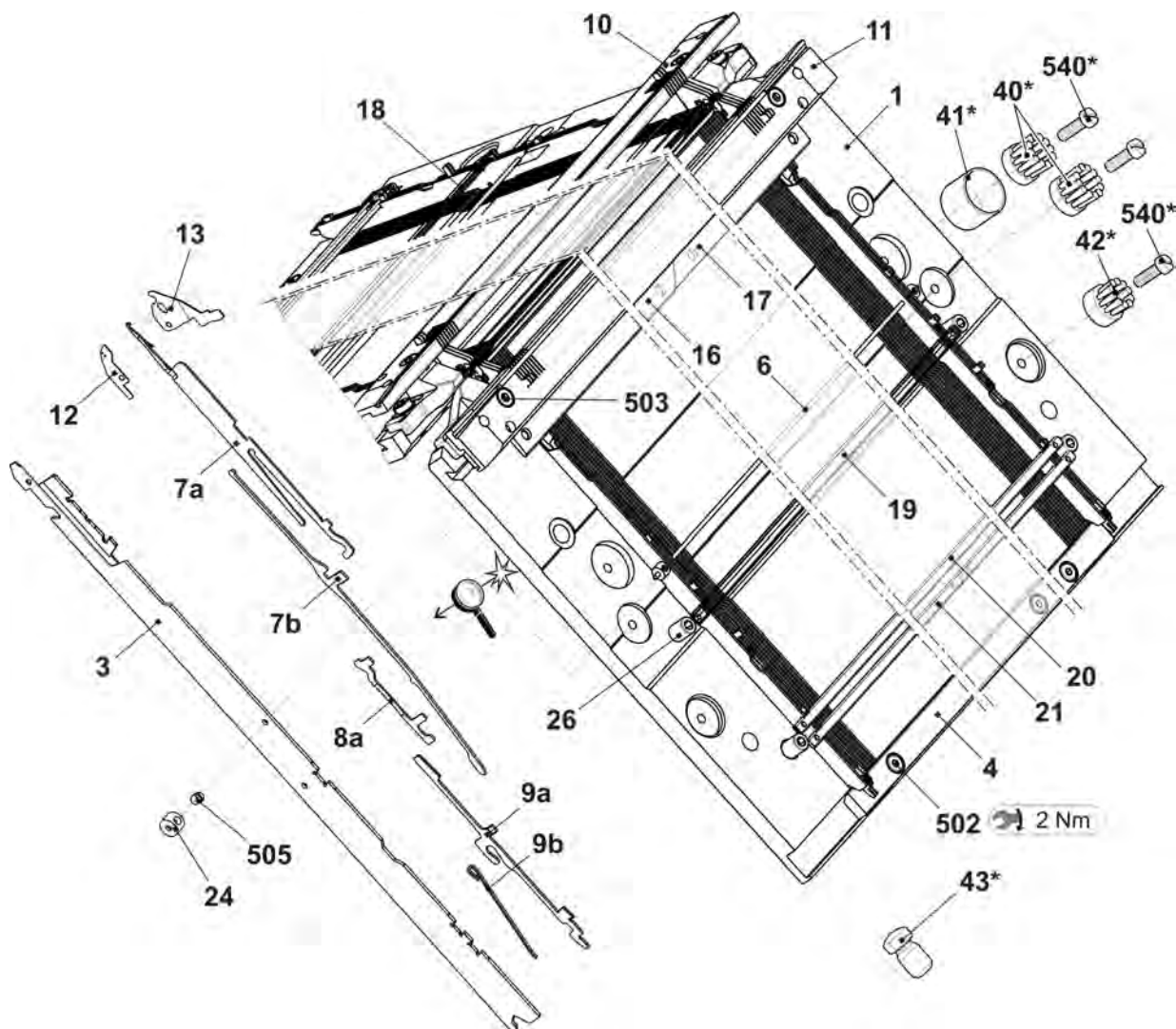
4.1.1 Continuation needle bed E10

Pos	Designation	Id	Pos	Designation	Id
2	Spring steel wire $\varnothing 0,6$ E10-14	213 990	502	Cap screw M5x8	023 154
3	Spring steel wire $\varnothing 2,0$	213 996	504	Springy thrust piece	023 177
14	Limiter on the left E10-14	205 764	507	Shim0,05x18,5x34	023 196
15	Limiter on the right E10-14	205 765	508	Shim0,1x18,5x34	023 197
22	Locating wire $\varnothing 2,8$	213 983	509	Shim0,2x18,5x34	023 253



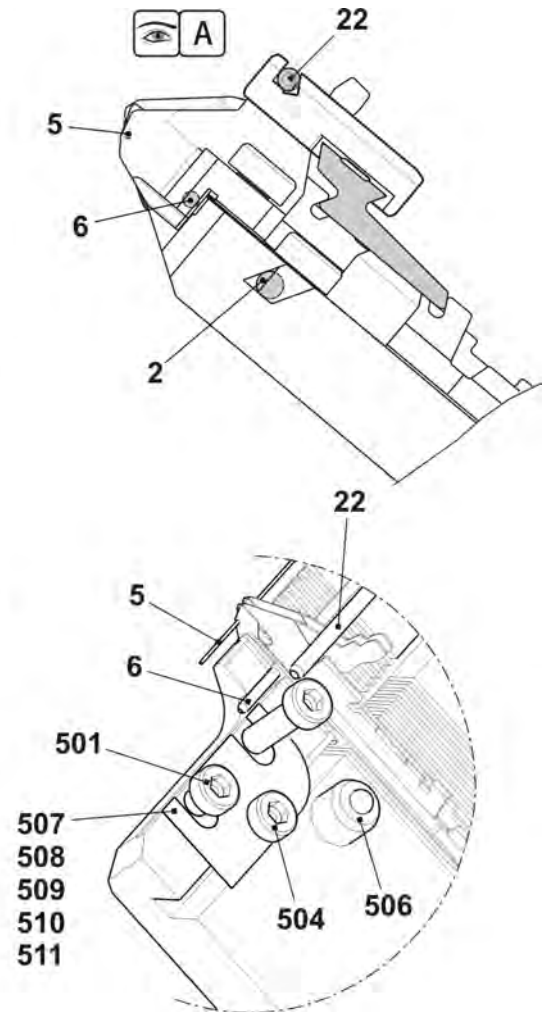
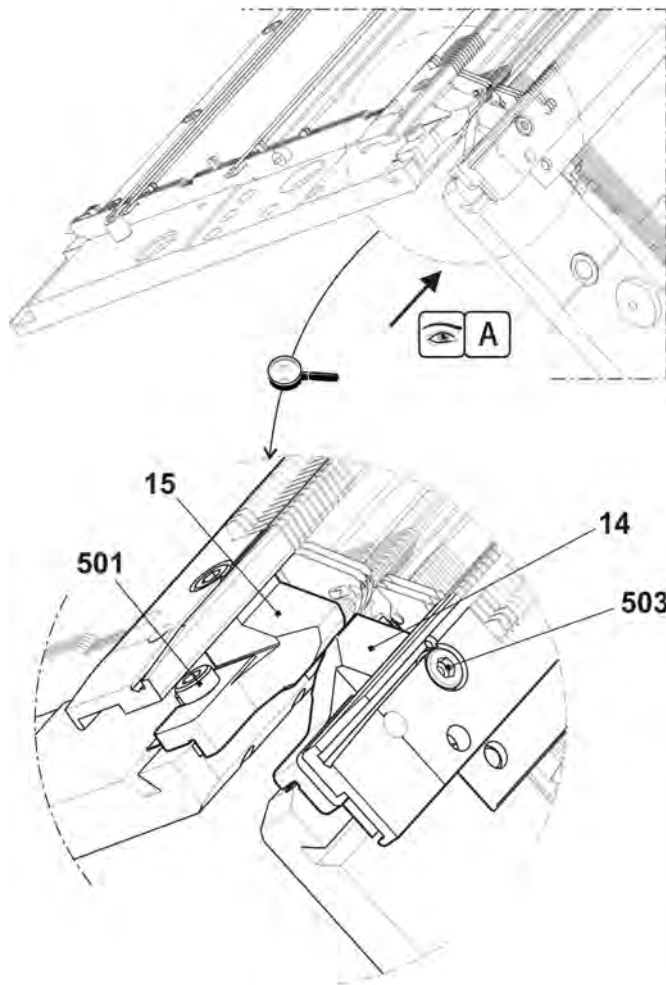
4.2 Needle bed E12

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E12	263 861			
1	Needle bed at the front and rear E12	263 710	18	Cover rail at the rear	213 981
3	Main trick wall E12	260 343	19	Cover rail at the front E12	214 037
4	Pressure slide E10-14	213 919	20	Cover rail	213 762
6	Spring steel wire ø2,0	213 996	21	Cover rail	213 763
71	Needle E12	204 009	24	Bush	206 090
72	Coupling part E10-12	253 382	26	Stop screw	235 244
81	Intermediate slider with brake E10-12	255 535	500	Cap screw M6x14	022 658
91	Selection jack E10-12	200 688	502	Cap screw M5x8	023 379
92	Selector spring E10-12	200 691	503	Cap screw M5x22	023 193
10	Holding-down jack bed at the rear E12	240 448	505	Setscrew M3,5x3-1	020 512
11	Holding-down jack bed at the front E12	240 431	40*	Disk brush	235 612
12	Knock-over bit E12	259 212	41*	Container disk brush	233 012
13	Holding-down jack (trick wall) E12	259 213	42*	Disk brush	202 600
16	Needle bar on the left	213 998	43*	Adjusting bolt	240 765
17	Needle bar on the right	213 999	540*	Cap screw M5x12	020 032



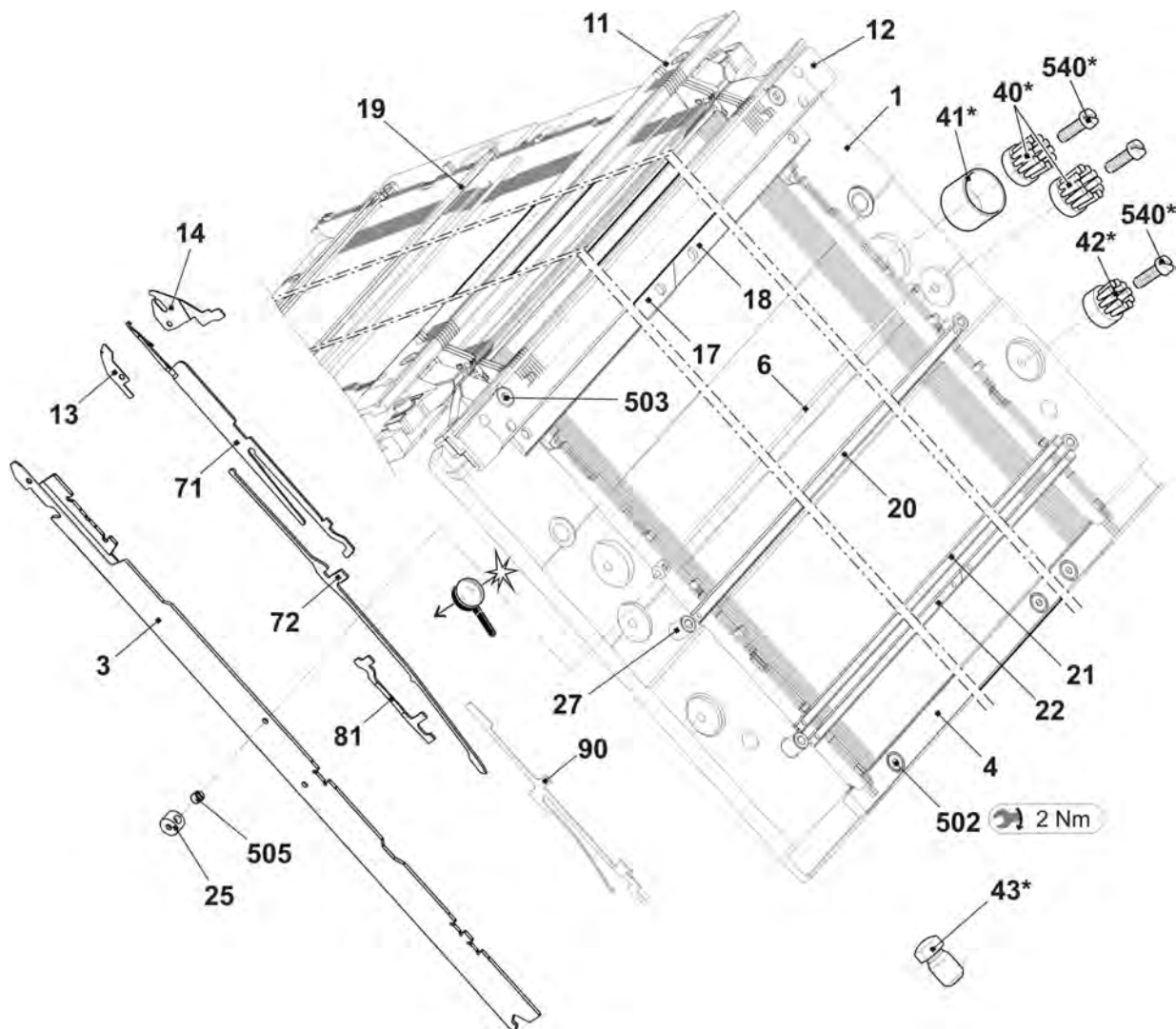
4.2.1 Continuation needle bed E12

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



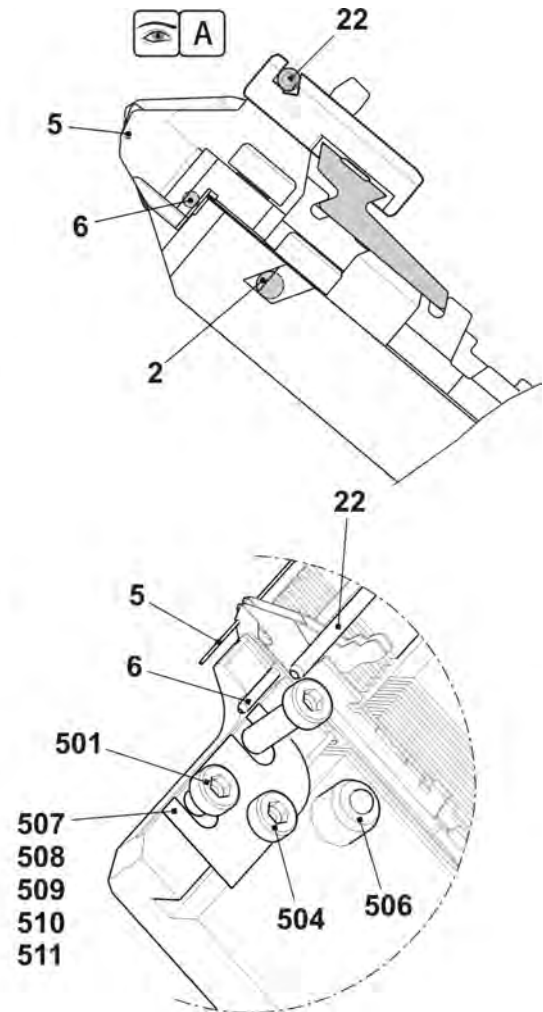
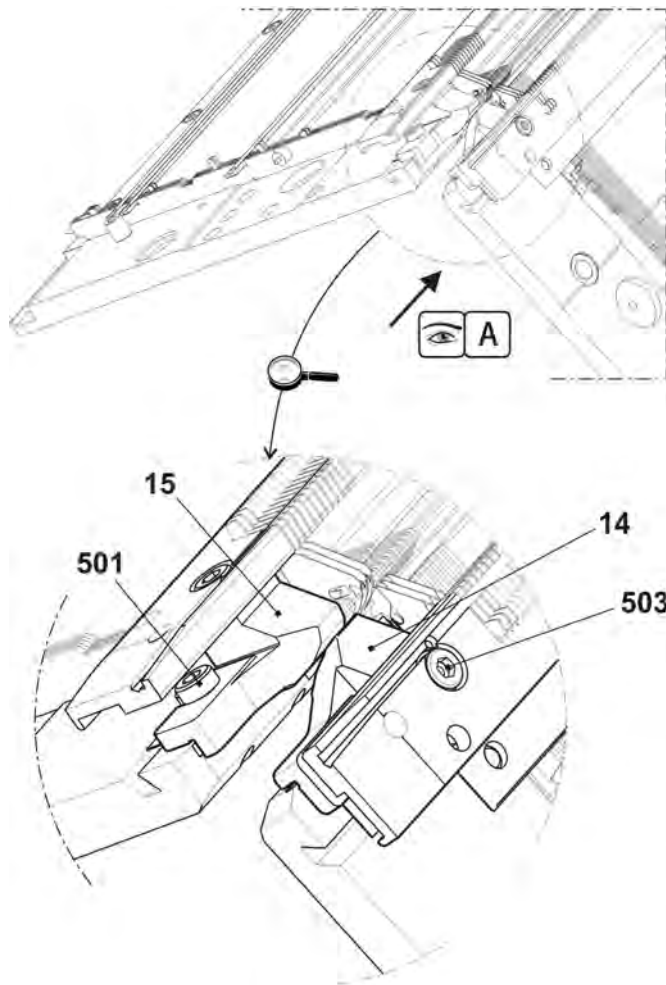
4.3 Needle bed E14

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E14	263 878			
1	Needle bed at the front and rear E14	263 711	19	Cover rail at the rear	213 981
3	Main trick wall E14	260 344	20	Cover rail at the front E14	214 038
4	Pressure slide E10-14	213 919	21	Cover rail	213 762
6	Spring steel wire ø2,0	213 996	22	Cover rail	213 763
71	Needle E14	209 614	25	Bush	206 090
72	Coupling part E14	253 383	27	Stop screw	235 244
81	Intermediate slider with brake E14	255 536	502	Cap screw M5x8	023 379
10	Selection jack with spring E14	224 725	503	Cap screw M5x22	023 193
11	Holding-down jack bed at the rear E14	240 449	505	Setscrew M3,5x3	020 512
12	Holding-down jack bed at the front E14	240 432	40*	Disk brush	235 612
13	Knock-over bit E14	209 649	41*	Container disk brush	233 012
14	Holding-down jack trick wall E14	235 262	42*	Disk brush	202 600
17	Needle bar on the left	213 998	43*	Adjusting bolt	240 765
18	Needle bar on the right	213 999	540*	Cap screw M5x12	020 032



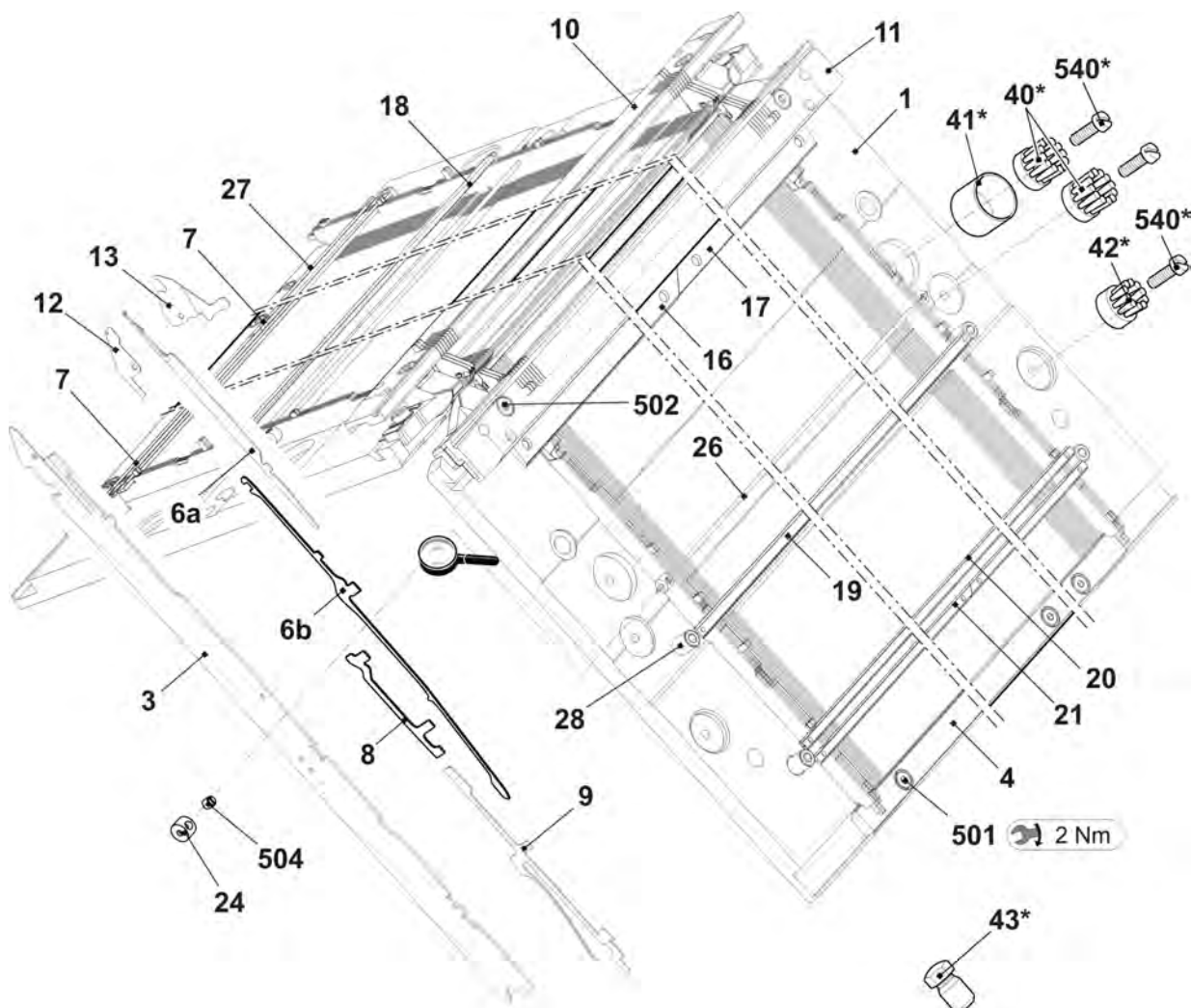
4.3.1 Continuation needle bed E14

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



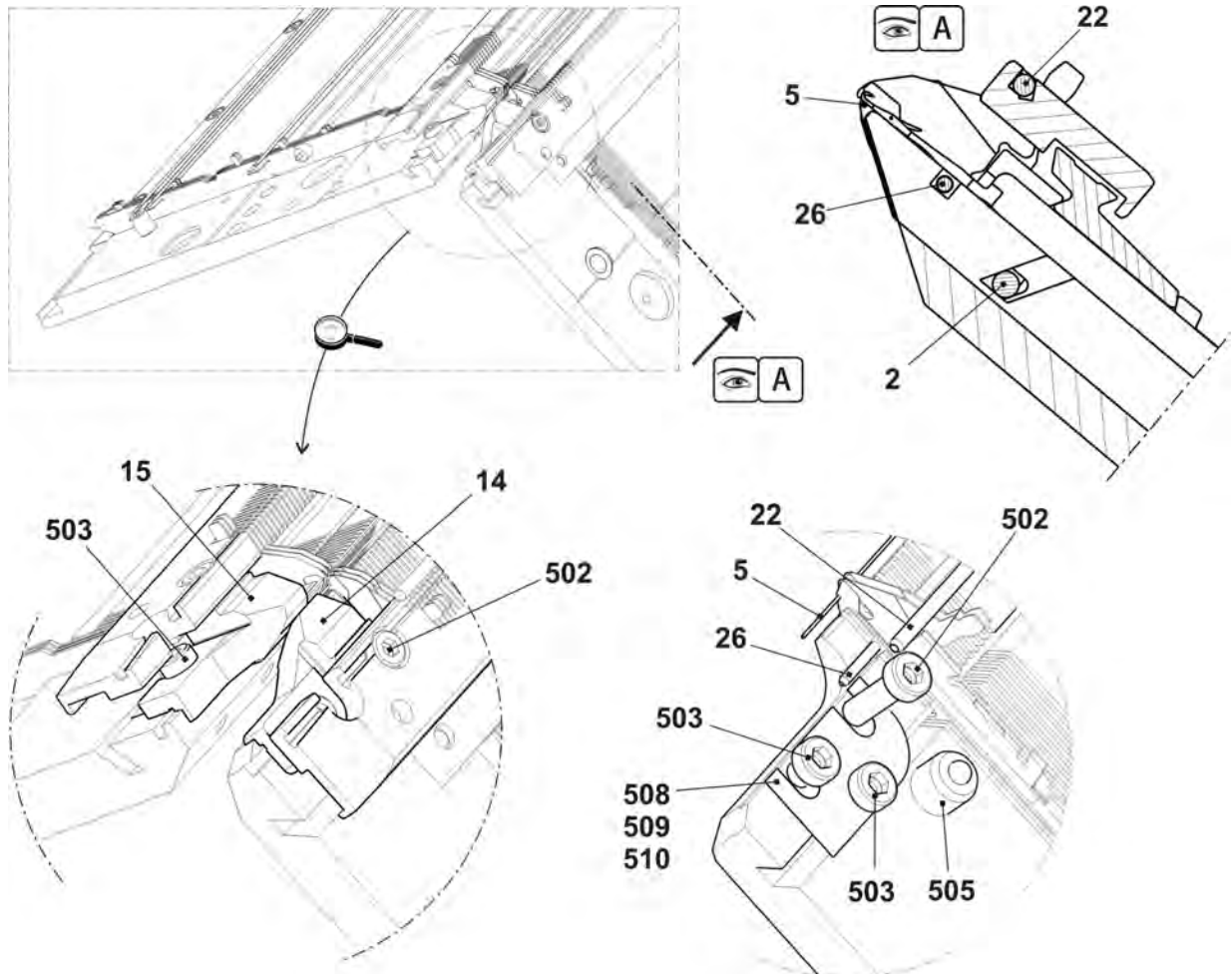
4.4 Needle bed E16

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E16	263 862			
1	Needle bed at the front + rear E16	263 712	19	Cover rail at the front E16	222 531
3	Main trick wall E16	245 319	20	Cover rail	213 762
4	Pressure strip at the front E5-14	219 536	21	Cover rail	213 763
6a	Needle E16	232 243	24	Bush	206 090
6b	Coupling part E16-20	253 384	26	Spring steel wire D=2,0 1287 mm	213 996
7	Pressure strip at the rear E5-14	219 537	27	Pressure strip at the rear on the right E16 – E20	223 042
8	Intermediate slider with brake E16-18	255 537	28	Stop screw	235 244
9	Selection jack E16-20	222 265	501	Cap screw M4-M5x8	023 379
10	Holding-down jack bed at the rear E16	240 450	502	Cap screw M5x22	023 193
11	Holding-down jack bed at the front E16	240 433	504	Setscrew M3,5x3-1	020 512
12	Knock-over bit wire position E16	261 865	40*	Disk brush	235 612
13	Holding-down jack E16	264 106	41*	Container disk brush	233 012
16	Needle bar on the left	213 998	42*	Disk brush	202 600
17	Needle bar on the right	213 999	43*	Adjusting bolt	240 765
18	Cover rail at the rear	213 981	540*	Cap screw M5x12	020 032



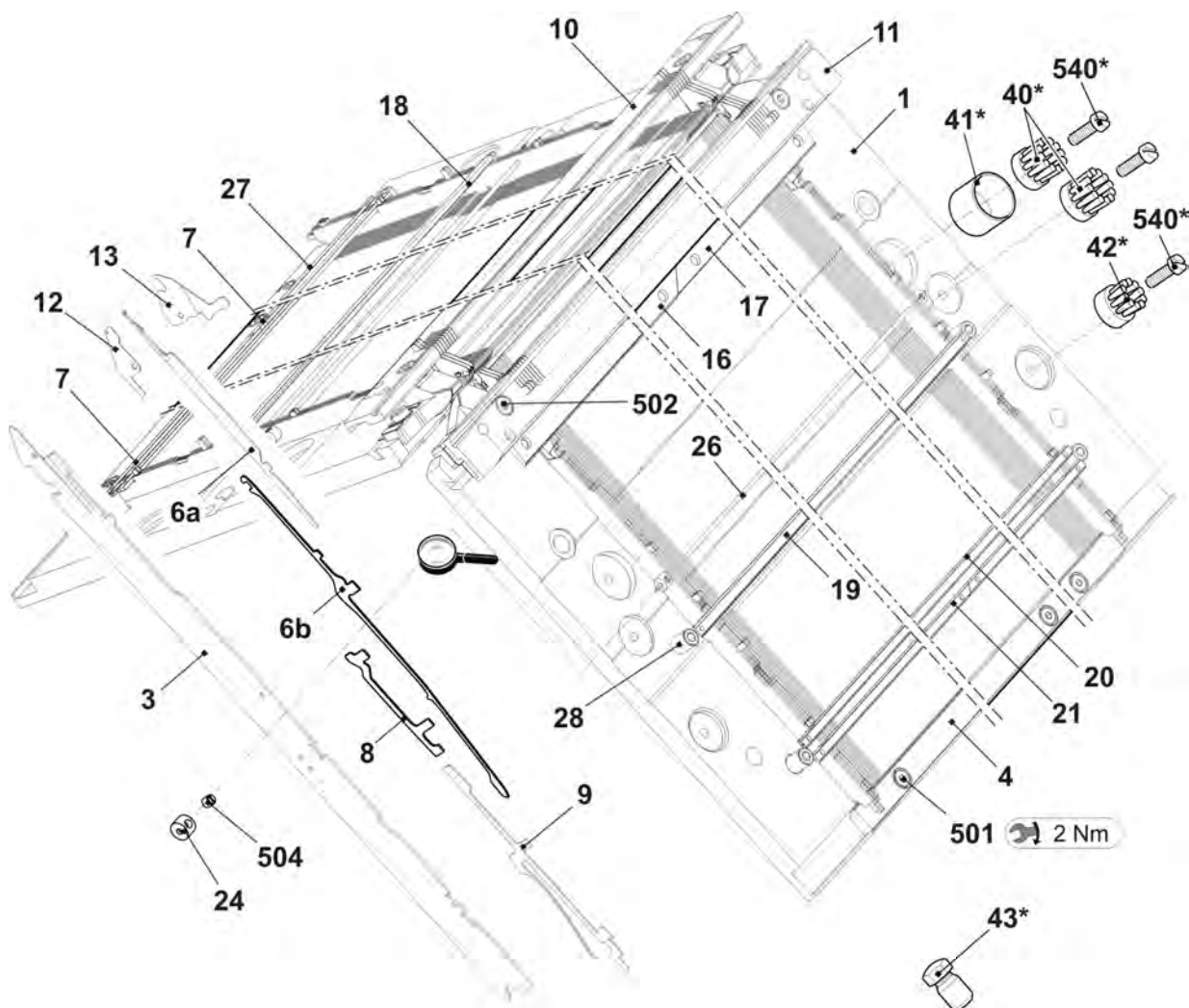
4.4.1 Continuation needle bed E16

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



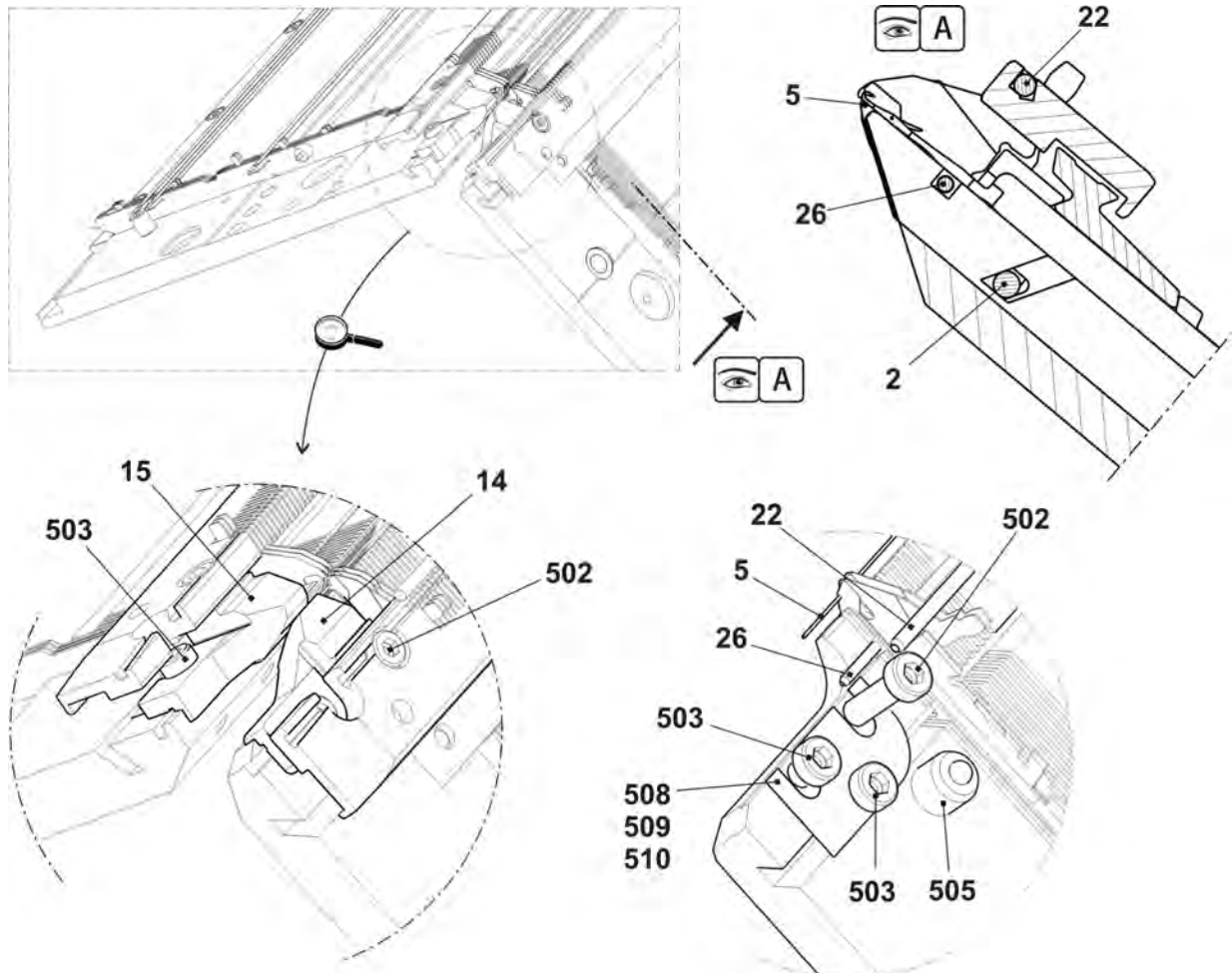
4.5 Needle bed E18

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E18	263 884			
1	Needle bed at the front + rear E18	263 713	19	Cover rail at the front E18	220 745
3	Main trick wall E18	251 051	20	Cover rail	213 762
4	Pressure strip at the front E5-14	219 536	21	Cover rail	213 763
6a	Needle E18	239 527	24	Bush	206 090
6b	Coupling part E16-20	253 384	26	Spring steel wire D=2,0 1287 mm	213 996
7	Pressure strip at the rear E5-14	219 537	27	Pressure strip at the rear on the right E16 – E20	223 042
8	Intermediate slider with brake E16-18	255 537	28	Stop screw	235 244
9	Selection jack E16-20	222 265	501	Cap screw M5x8	023 379
10	Holding-down jack bed at the rear E18	240 451	502	Cap screw M5x22	023 193
11	Holding-down jack bed at the front E18	240 434	504	Set screw M3,5x3-1	020 512
12	Knock-over bit wire position 0,8 mm	263 927	40*	Disk brush	235 612
13	Holding-down jack E18	264 107	41*	Container disk brush	233 012
16	Needle bar on the left	213 998	42*	Disk brush	202 600
17	Needle bar on the right	213 999	43*	Adjusting bolt	240 765
18	Cover rail at the rear	213 981	540*	Cap screw M5x12	020 032



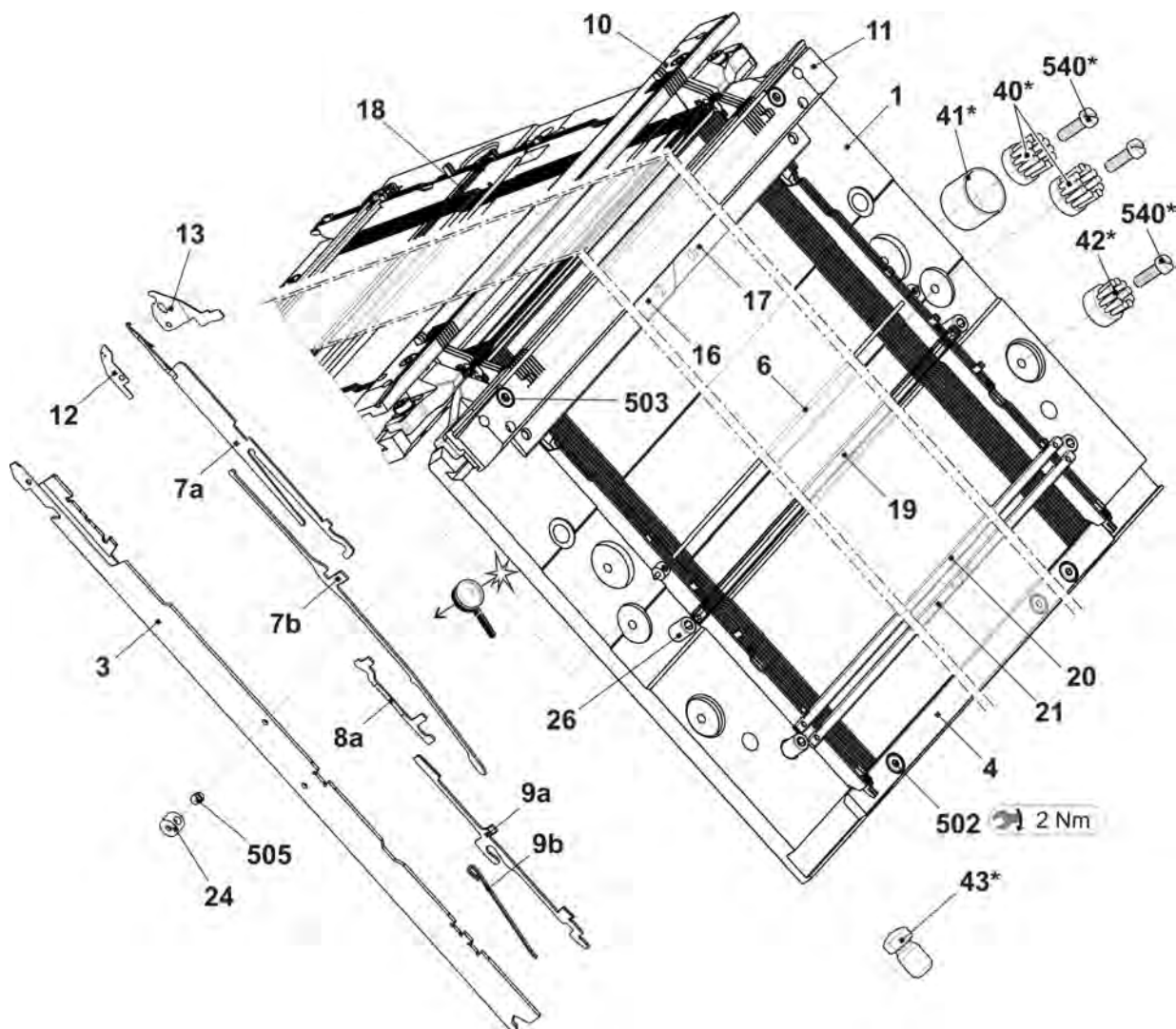
4.5.1 Continuation needle bed E18

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



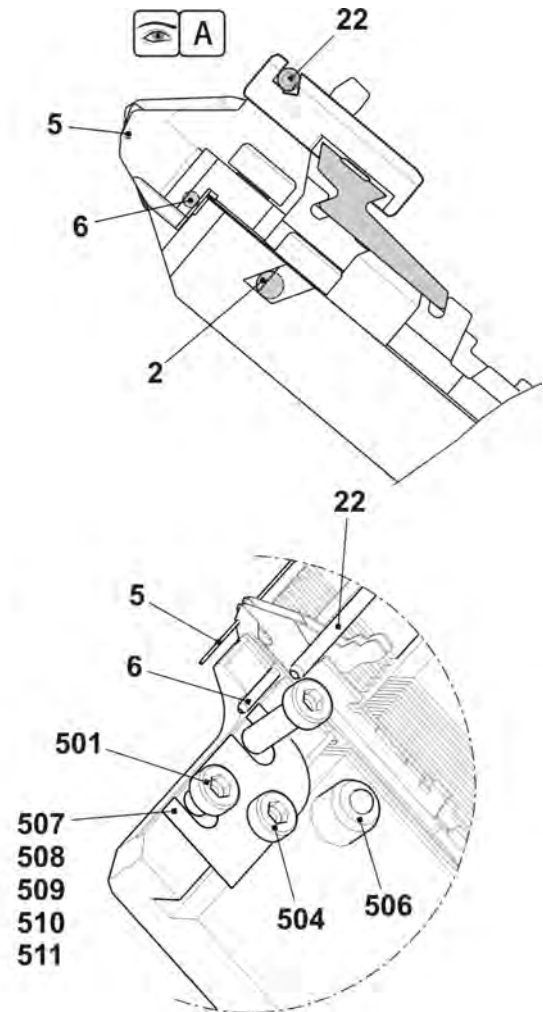
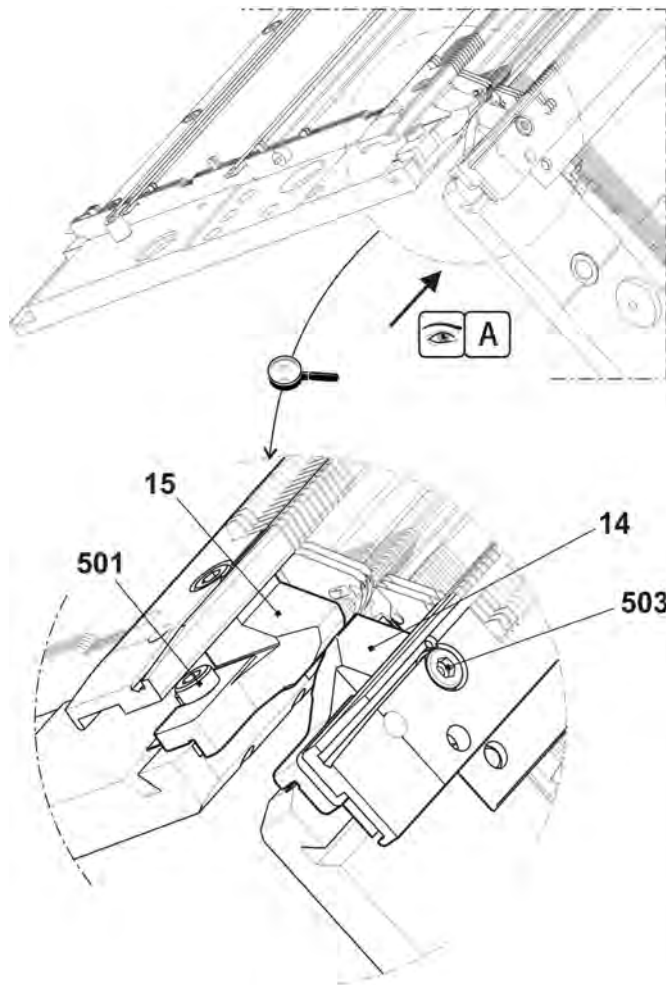
4.6 Needle bed E12m.10

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E12m.10	263 876			
1	Needle bed at the front and rear E12	263 710	18	Cover rail at the rear	213 981
3	Main trick wall E12	260 343	19	Cover rail at the front E12	214 037
4	Pressure slide E10-14	213 919	20	Cover rail	213 762
6	Spring steel wire ø2,0	213 996	21	Cover rail	213 763
71	Needle E10with round hook	205 398	24	Bush	206 090
72	Coupling part E10-12	253 382	26	Stop screw	235 244
81	Intermediate slider with brake E10-12	255 535	500	Cap screw M6x14	022 658
91	Selection jack E10-12	200 688	502	Cap screw M5x8	023 379
92	Selector spring E10-12	200 691	503	Cap screw M5x22	023 193
10	Holding-down jack bed at the rear E12	240 448	505	Setscrew M3,5x3-1	020 512
11	Holding-down jack bed at the front E12	240 431	40*	Disk brush	235 612
12	Knock-over bit E12	259 212	41*	Container disk brush	233 012
13	Holding-down jack (trick wall) E12	259 213	42*	Disk brush	202 600
16	Needle bar on the left	213 998	43*	Adjusting bolt	240 765
17	Needle bar on the right	213 999	540*	Cap screw M5x12	020 032



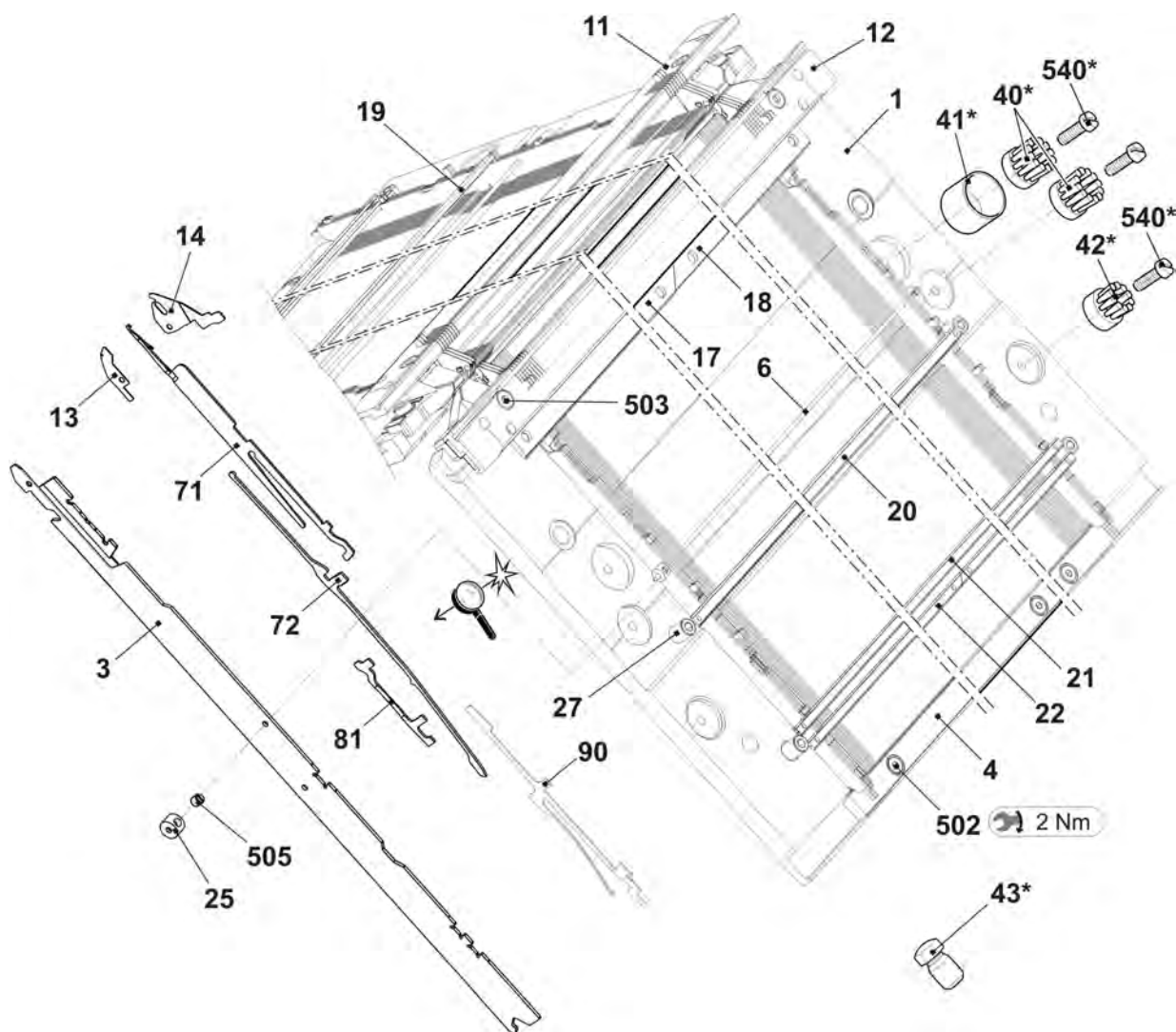
4.6.1 Continuation needle bed E12m.10

Pos	Designation	Id	Pos	Designation	Id
2	Locating wire $\varnothing 3,4$	213 995	503	Cap screw M5x22	023 193
5	Spring steel wire $\varnothing 0,6$	213 990	504	Cap screw M5x12	022 943
6	Spring steel wire $\varnothing 2,0$	213 996	506	Springy thrust piece	023 177
14	Limiter on the left E10-E14	205 764	509	Shim0,05x18,5x34	023 196
15	Limiter on the right E10-E14	205 765	510	Shim0,1x18,5x34	023 197
22	Locating wire $\varnothing 2,8$	213 983	511	Shim0,2X18,5X34	023 253
501	Cap screw M5x8	023 154			



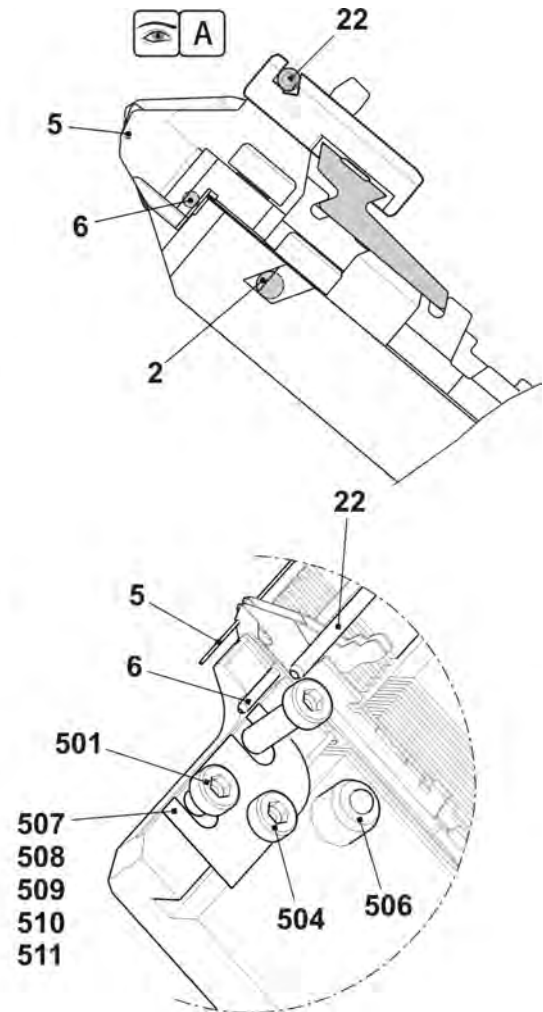
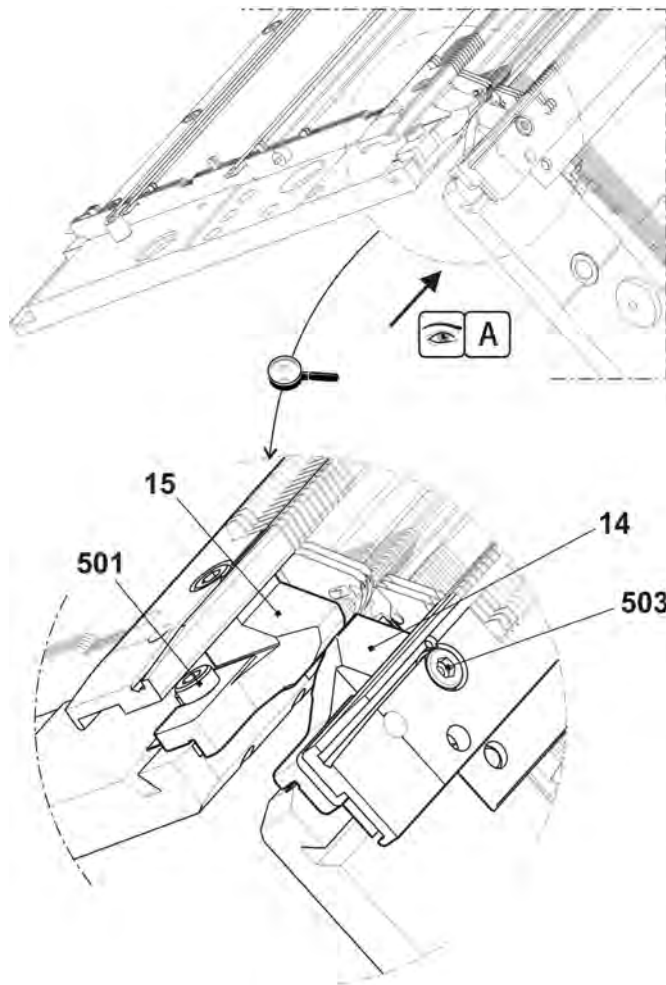
4.7 Needle bed E14/12

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E14/12	263 880			
1	Needle bed at the front and rear E14	263 711	19	Cover rail at the rear	213 981
3	Main trick wall E14	260 344	20	Cover rail at the front E14	214 038
4	Pressure slide E10-14	213 919	21	Cover rail	213 762
6	Spring steel wire ø2,0	213 996	22	Cover rail	213 763
71	Needle E14/12	227 756	25	Bush	206 090
72	Coupling part E14	253 383	27	Stop screw	235 244
81	Intermediate slider with brake E14	255 536	502	Cap screw M5x8	023 379
10	Selection jack with spring E14	224 725	503	Cap screw M5x22	023 193
11	Holding-down jack bed at the rear E14	240 449	505	Setscrew M3,5x3	020 512
12	Holding-down jack bed at the front E14	240 432	40*	Disk brush	235 612
13	Knock-over bit E14	209 649	41*	Container disk brush	233 012
14	Holding-down jack trick wall E14	235 262	42*	Disk brush	202 600
17	Needle bar on the left	213 998	43*	Adjusting bolt	240 765
18	Needle bar on the right	213 999	540*	Cap screw M5x12	020 032



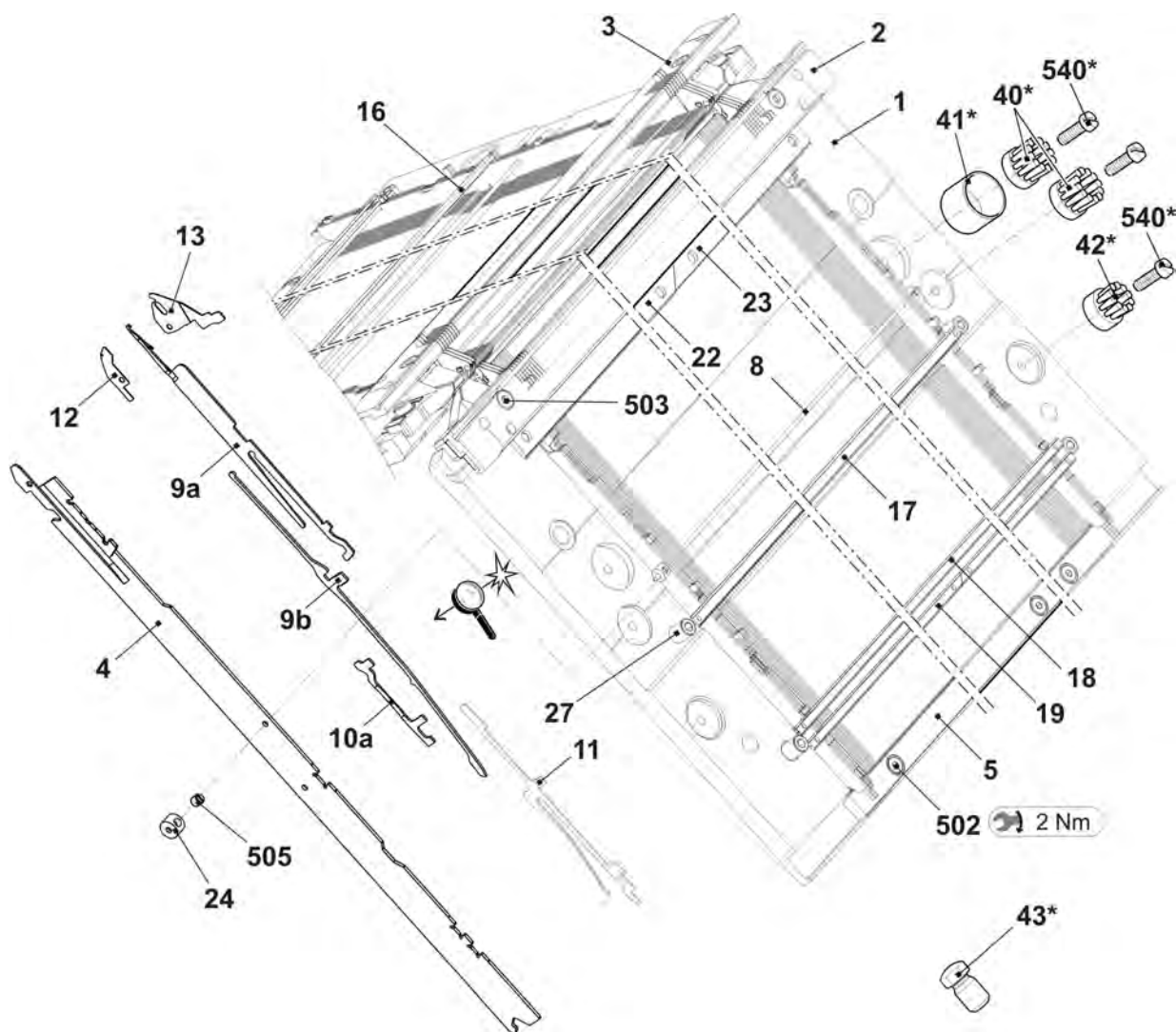
4.7.1 Continuation needle bed E14/12

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



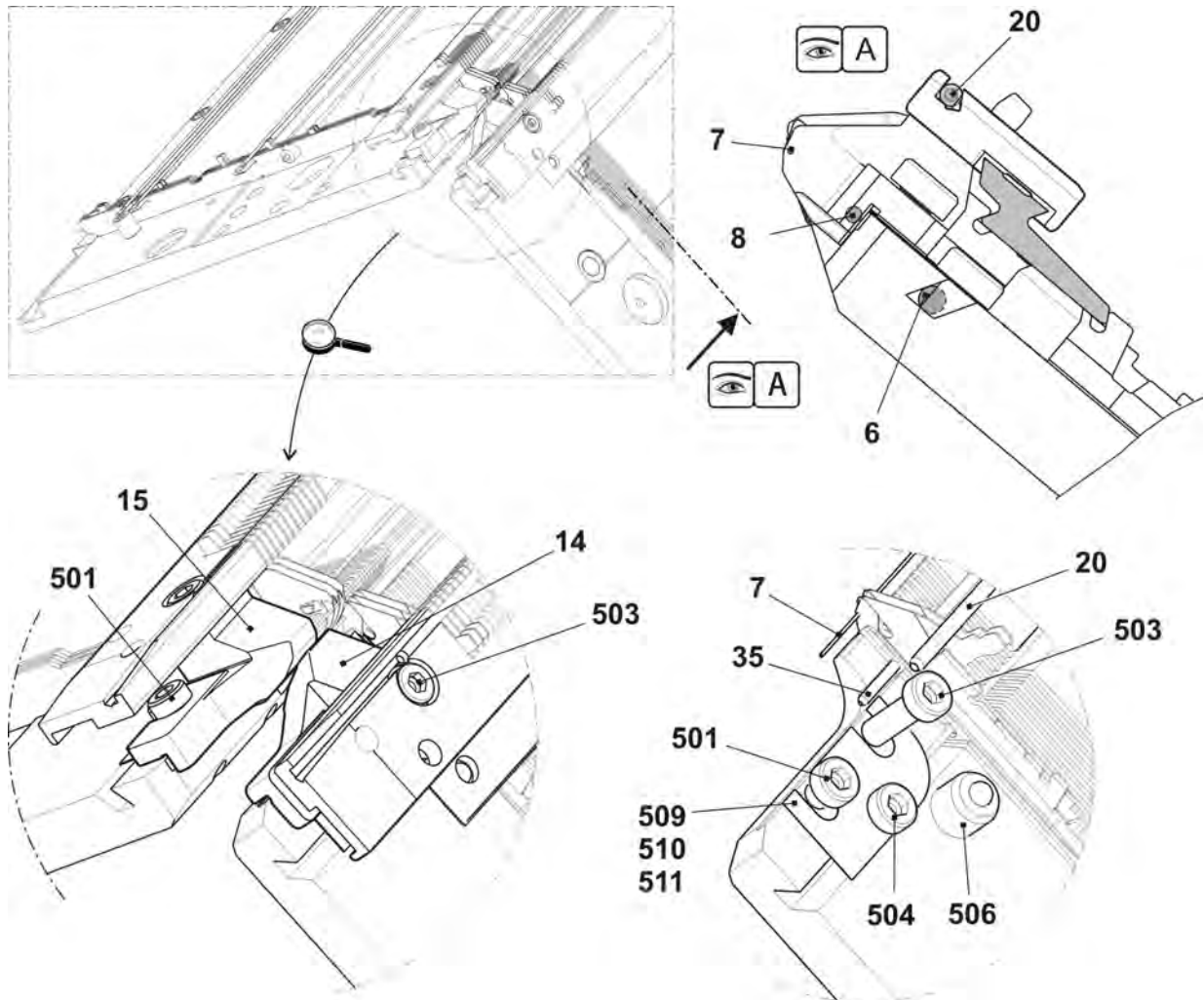
4.8 Needle bed E7.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7.2	263 879			
1	Needle bed at the front and rear E14	263 711	18	Cover rail	213 762
2	Holding-down jack bed at the rear E7.2	240 456	19	Cover rail	213 763
3	Holding-down jack bed at the front E7.2	240 439	22	Needle bar on the left	213 998
4	Main trick wall E14	260 344	23	Needle bar on the right	213 999
5	Pressure slide E10-14	213 919	24	Bush	206 090
8	Spring steel wire $\varnothing 2,0$	213 996	27	Stop screw	235 244
9a	Needle E7.2 vosa special 112.70-62	225 230	502	Cap screw M5x8	023 379
9b	Coupling part E14	253 383	503	Cap screw M5x22	023 193
10a	Intermediate slider with brake E14	255 536	505	Setscrew M3,5x3	020 512
11	Selection jack with spring E14	224 725	40*	Disk brush	235 612
12	Knock-over bit E14	209 649	41*	Container disk brush	233 012
13	Holding-down jack trick wall E7.2	258 396	42*	Disk brush	202 600
16	Cover rail at the rear	213 981	43*	Adjusting bolt	240 765
17	Cover rail at the front E14	214 038	540*	Cap screw M5x12	020 032



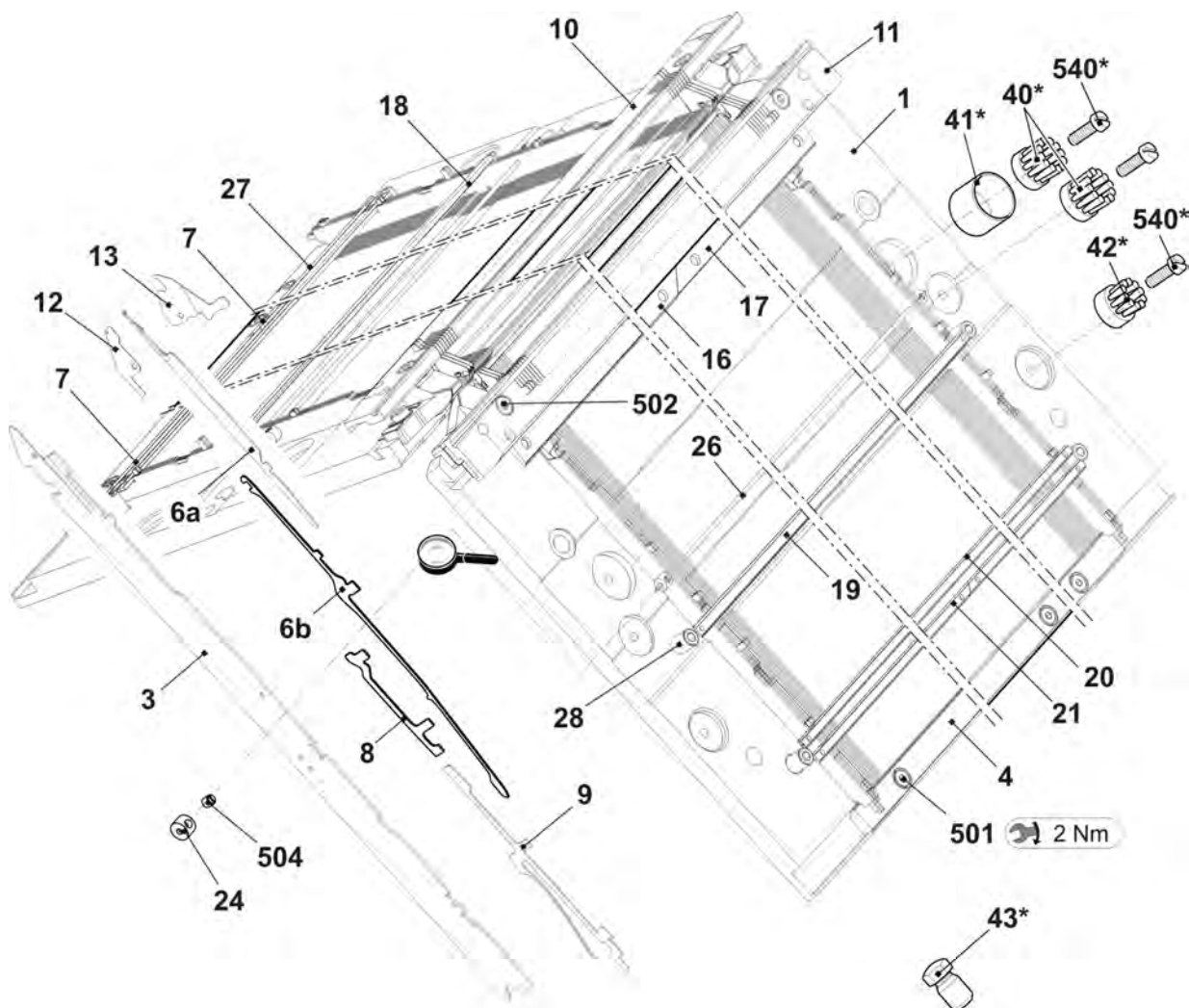
4.8.1 Continuation needle bed E7.2

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



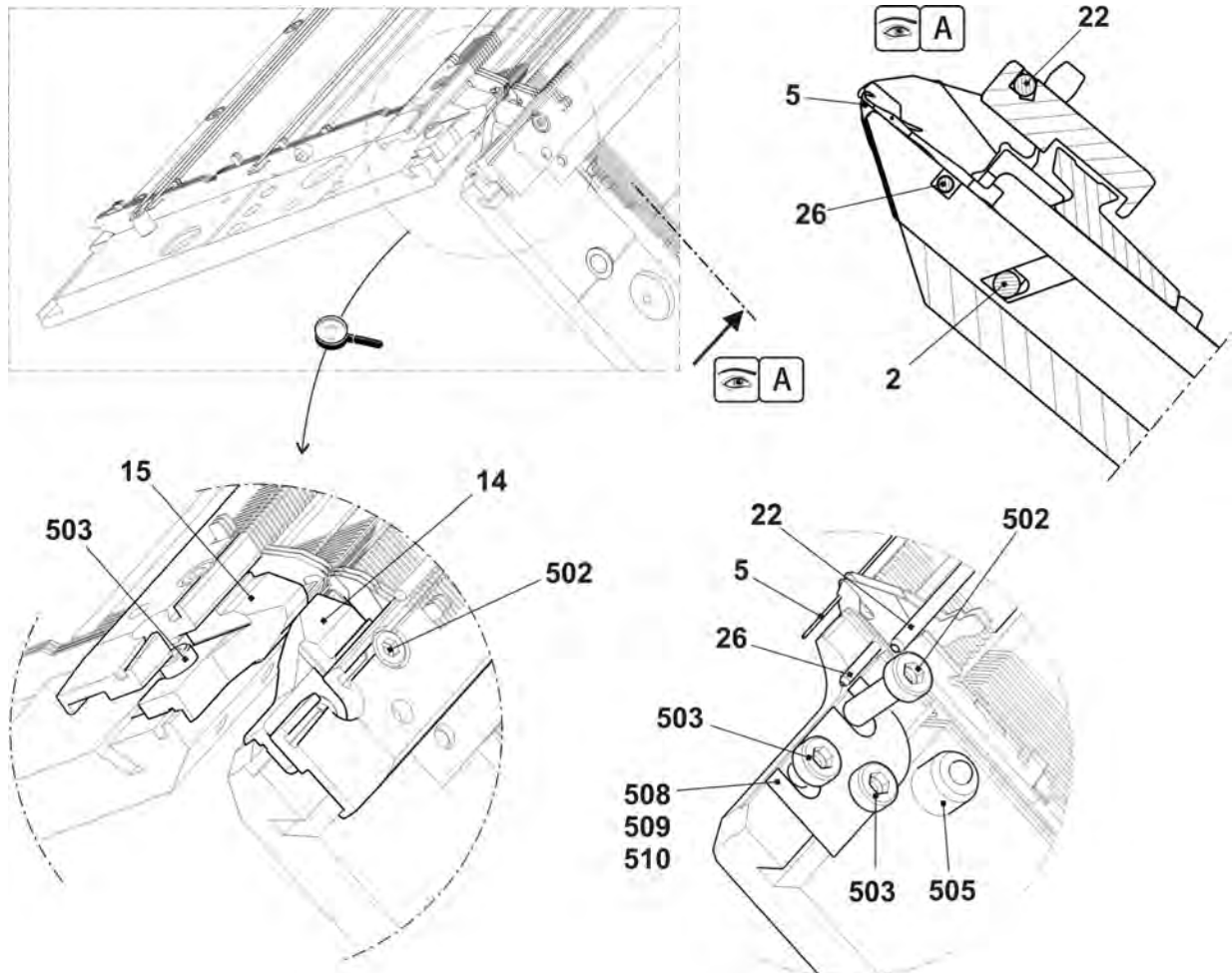
4.9 Needle bed E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rearE8.2	263 883	19	Cover rail at the front E16	222 531
1	Needle bed at the front + rearE16	263 712	20	Cover rail	213 762
3	Main trick wall E16	245 319	21	Cover rail	213 763
4	Pressure strip at the front E5-14	219 536	24	Bush	206 090
6a	Needle E8.2	261 263	26	Spring steel wire ø2,0	213 996
6b	Coupling part E16-20	253 384	27	Pressure strip at the rear on the right E16-20	223 042
7	Pressure strip at the rear E5-14	219 537	28	Stop screw	235 244
8	Intermediate slider with brake E16-18	255 537	40*	Disk brush	235 612
9	Selection jack E16 with selector spring	222 265	41*	Container disk brush	233 012
10	Holding-down jack bed at the rear E16	240 450	42*	Disk brush	202 600
11	Holding-down jack bed at the front E16	240 433	43*	Adjusting bolt	240 765
12	Knock-over bit wire position 0,8 mm E8.2	261 865	540*	Cap screw M5x12	020 032
13	Holding-down jack E16	264 106	503	Cap screw M6x14	022 658
16	Needle bar on the left	213 998	506	Cap screw M4-M5x8	023 379
17	Needle bar on the right	213 999	507	Cap screw M5x22	023 193
18	Cover rail at the rear	213 981	509	Setscrew M3,5x3-1	020 512



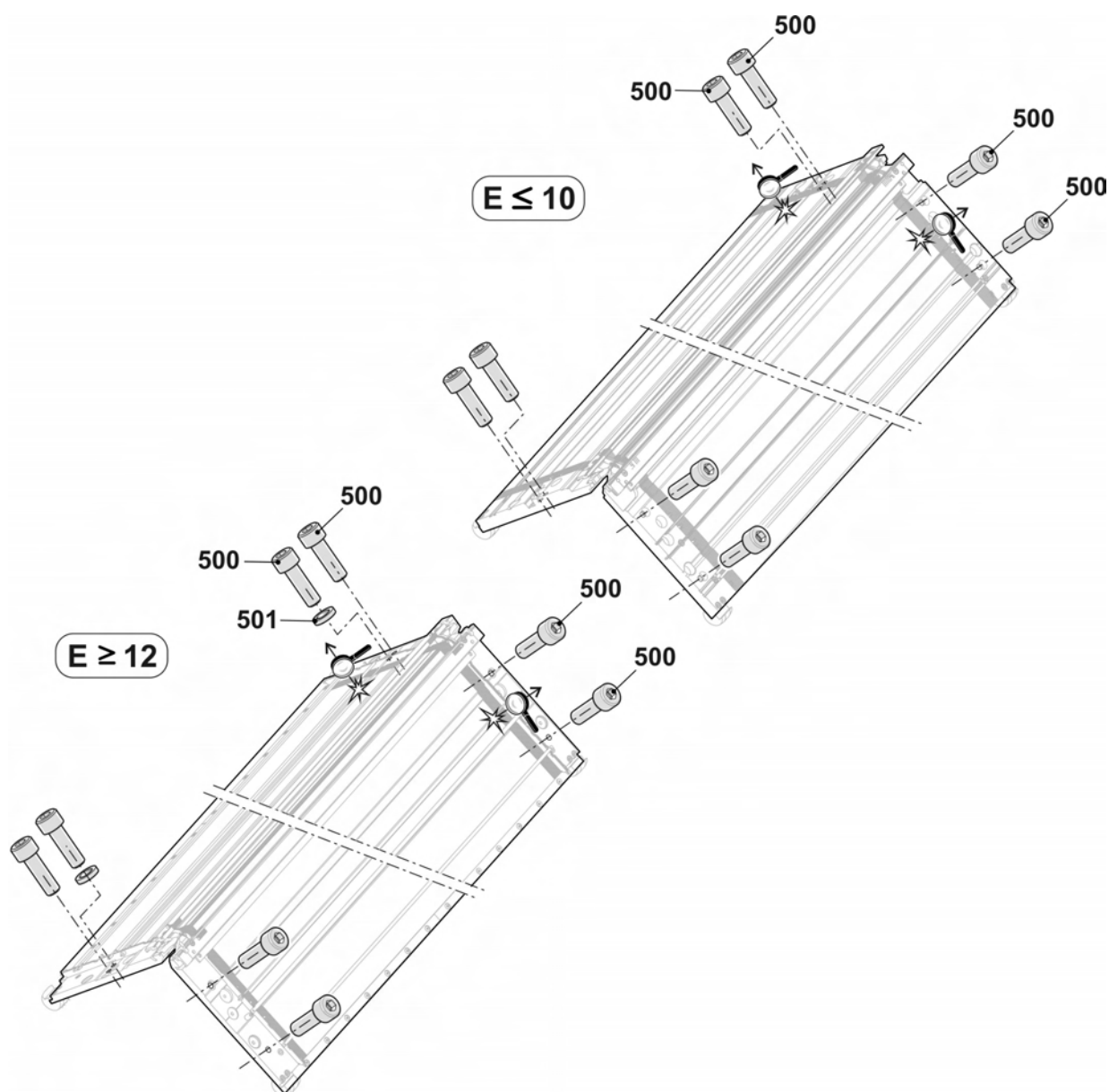
4.9.1 Continuation needle bed E8.2

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



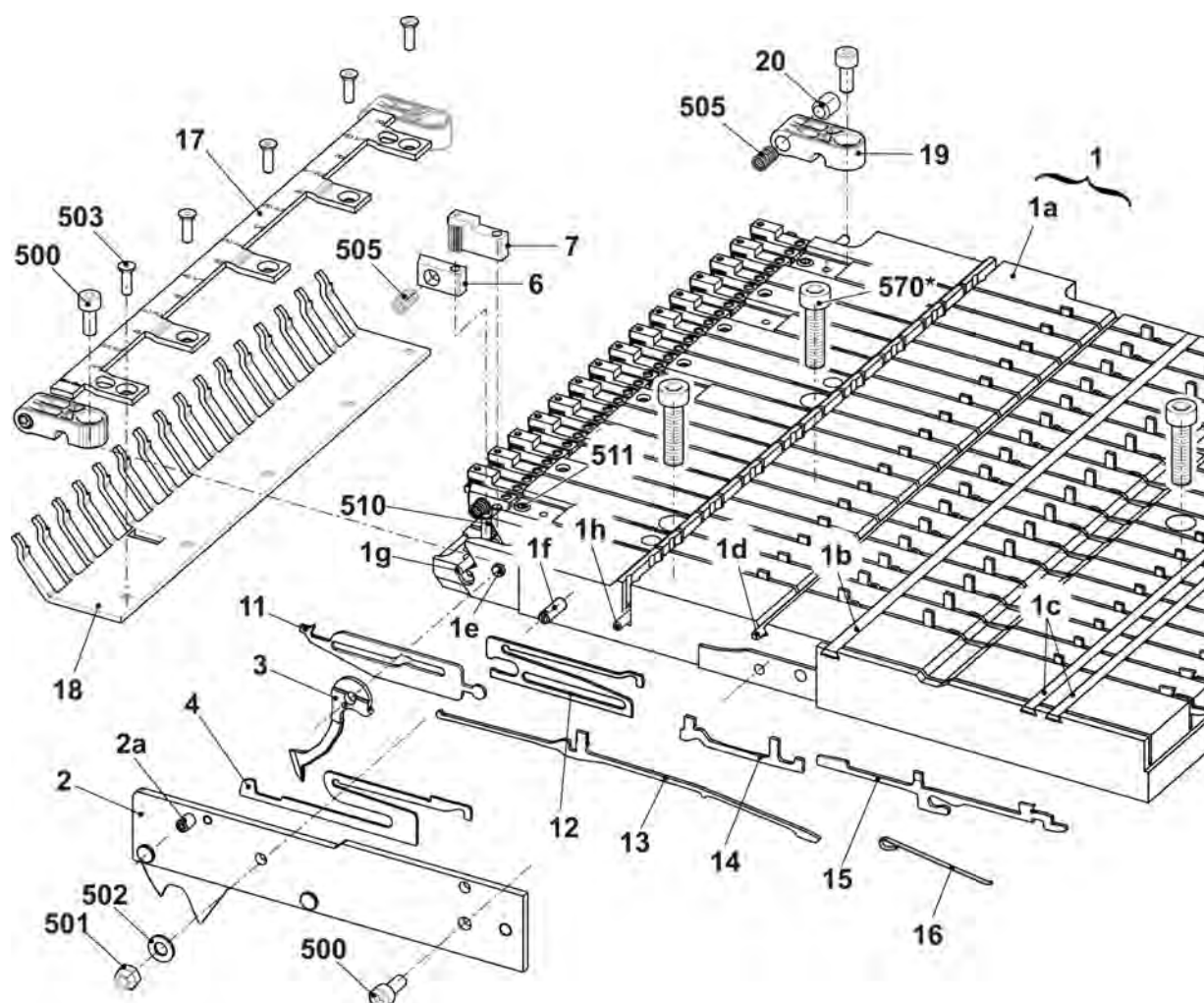
4.10 Needle beds, fixing elements

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



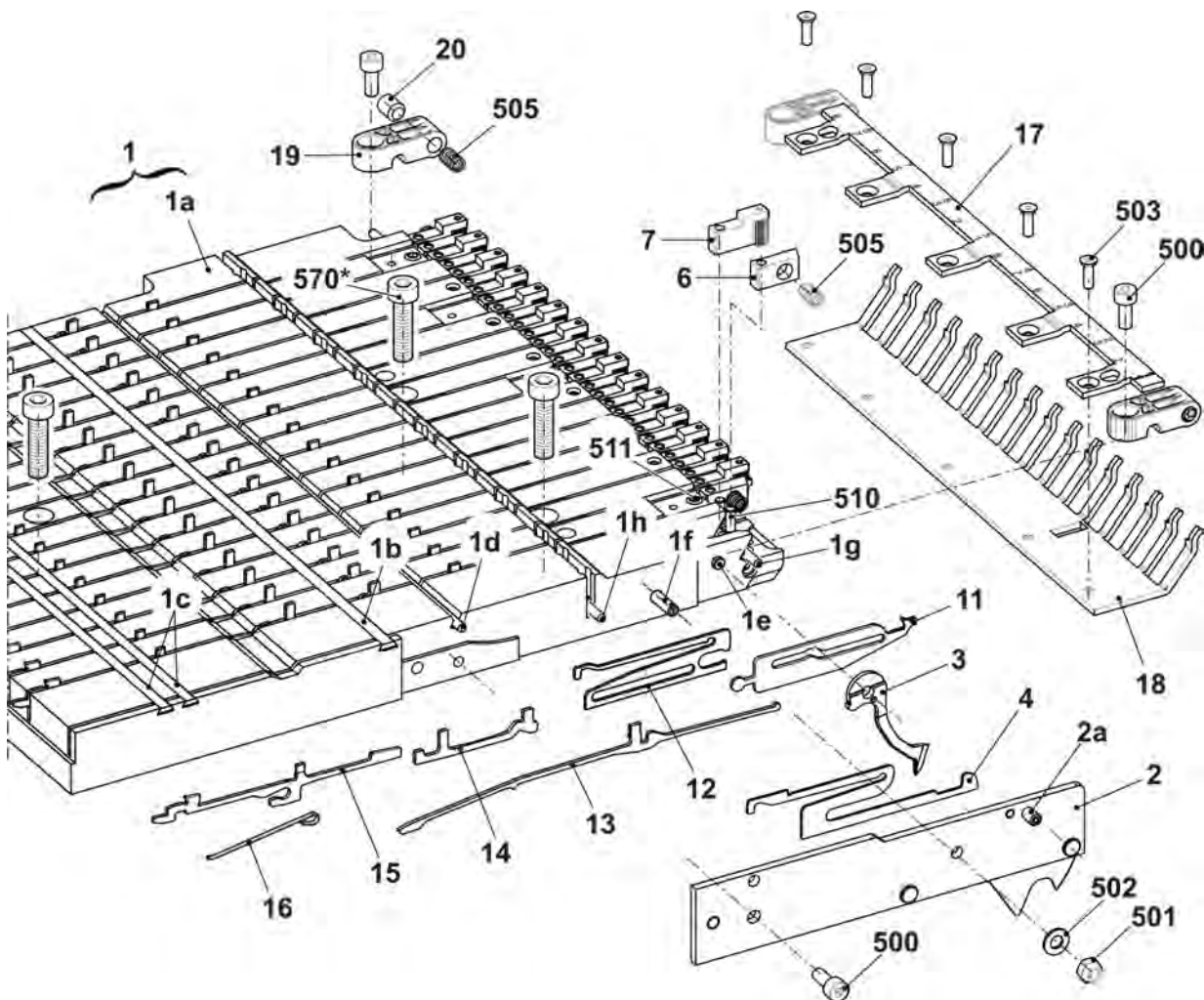
4.11 Right clamping and cutting bed E10|E12|E14|E7.2

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



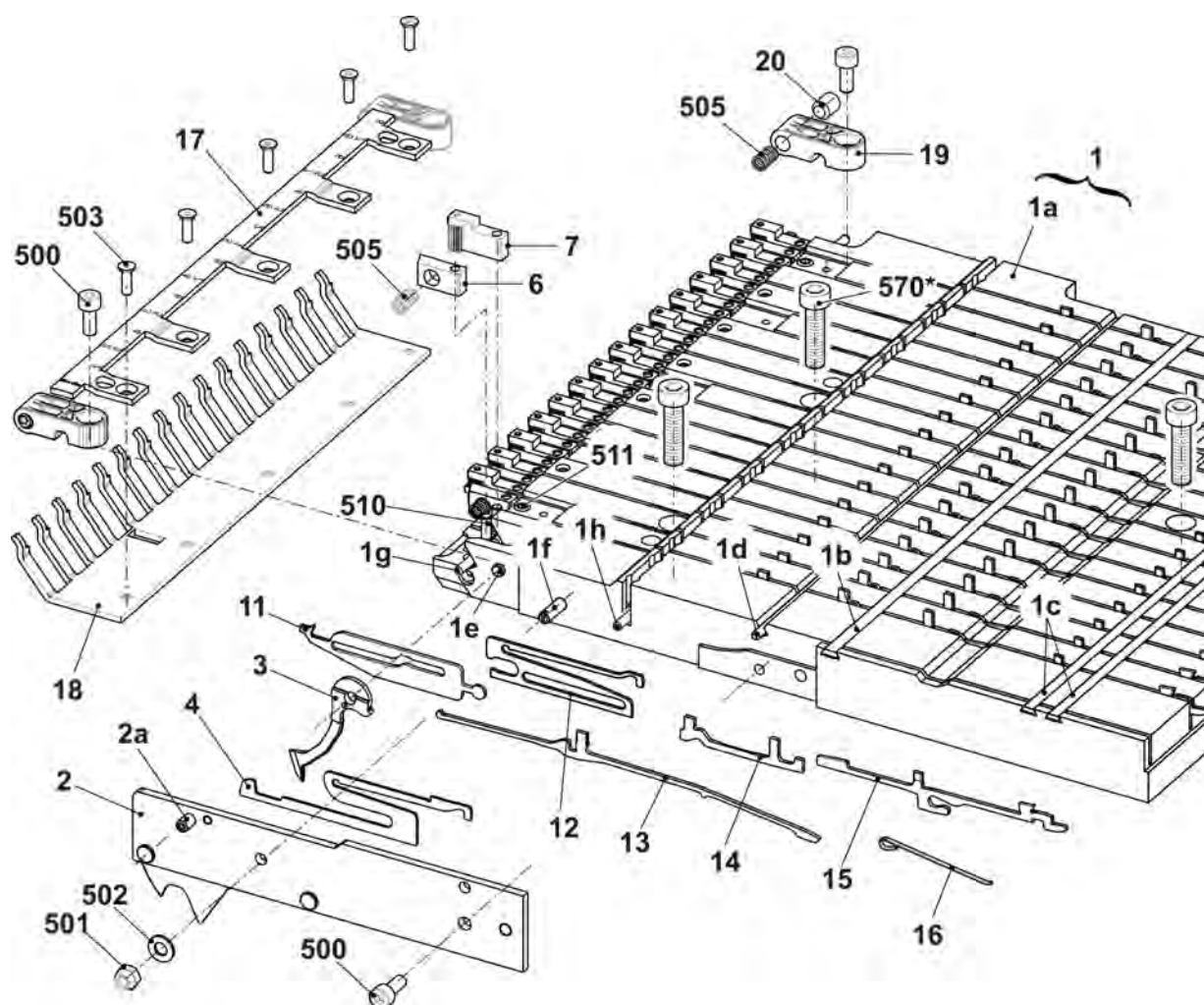
4.12 Left clamping and cutting bed E10|E12|E14|E7.2

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



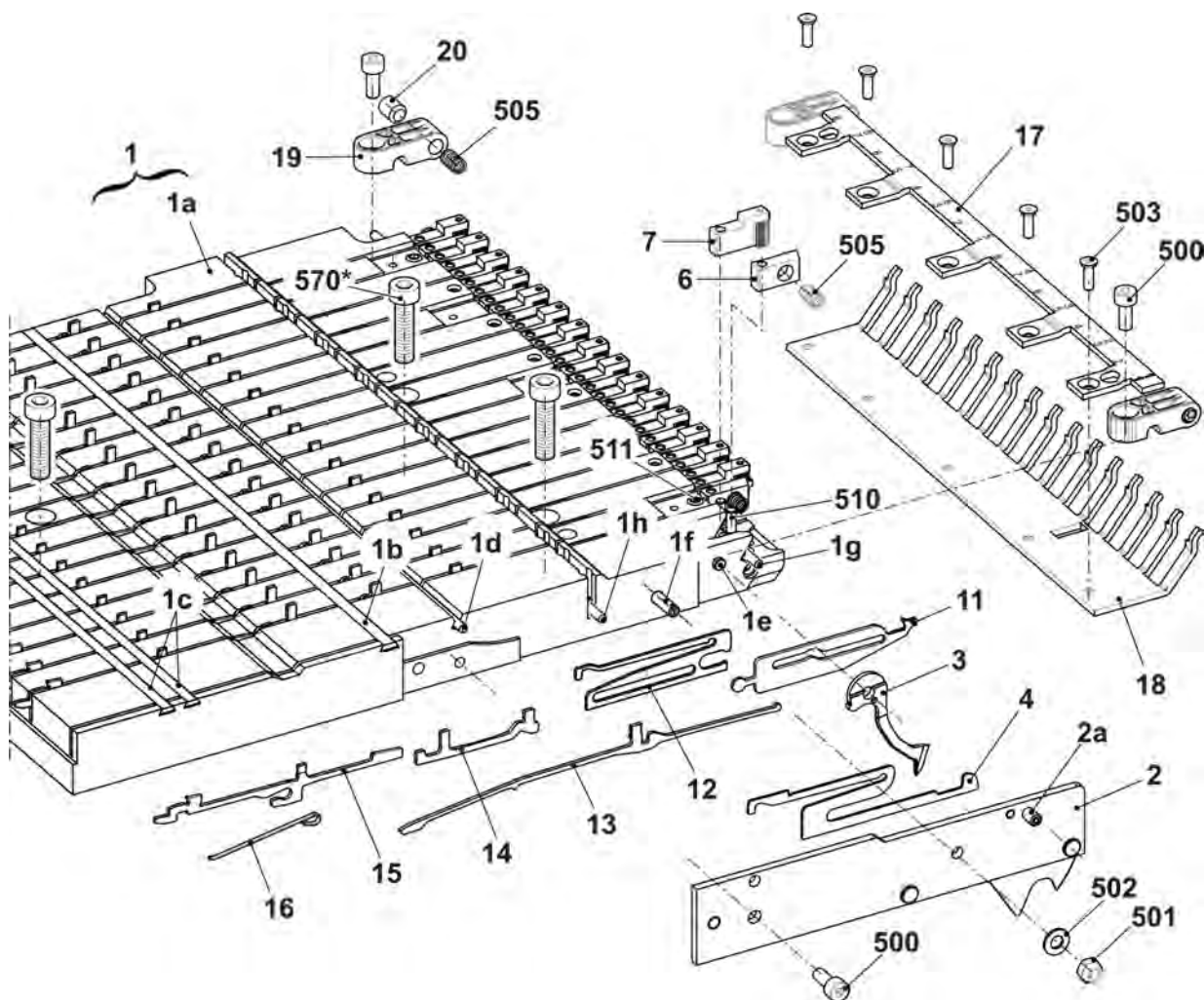
4.13 Right clamping and cutting bed E16|E18|E8.2

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

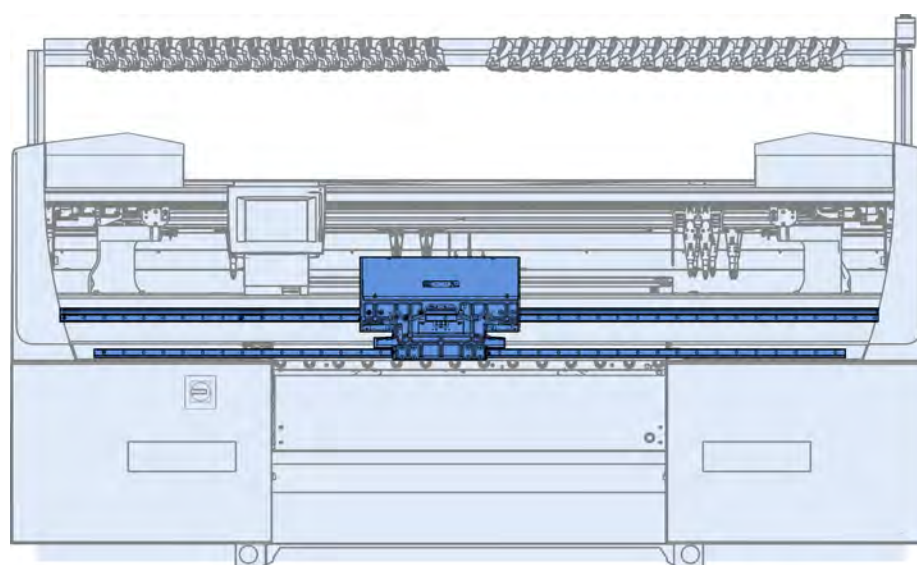


4.14 Left clamping and cutting bed E16|E18|E8.2

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

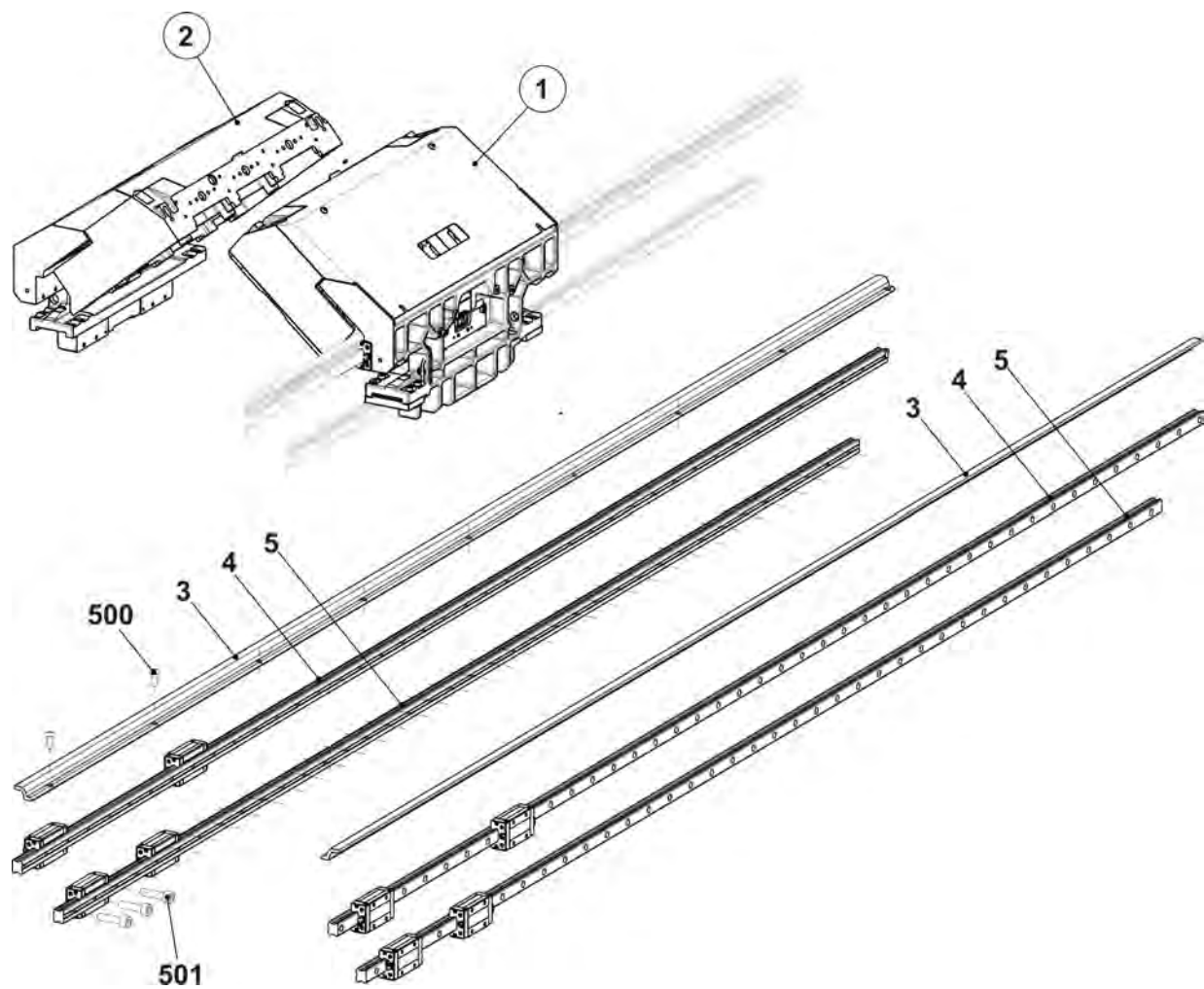


5 Carriage



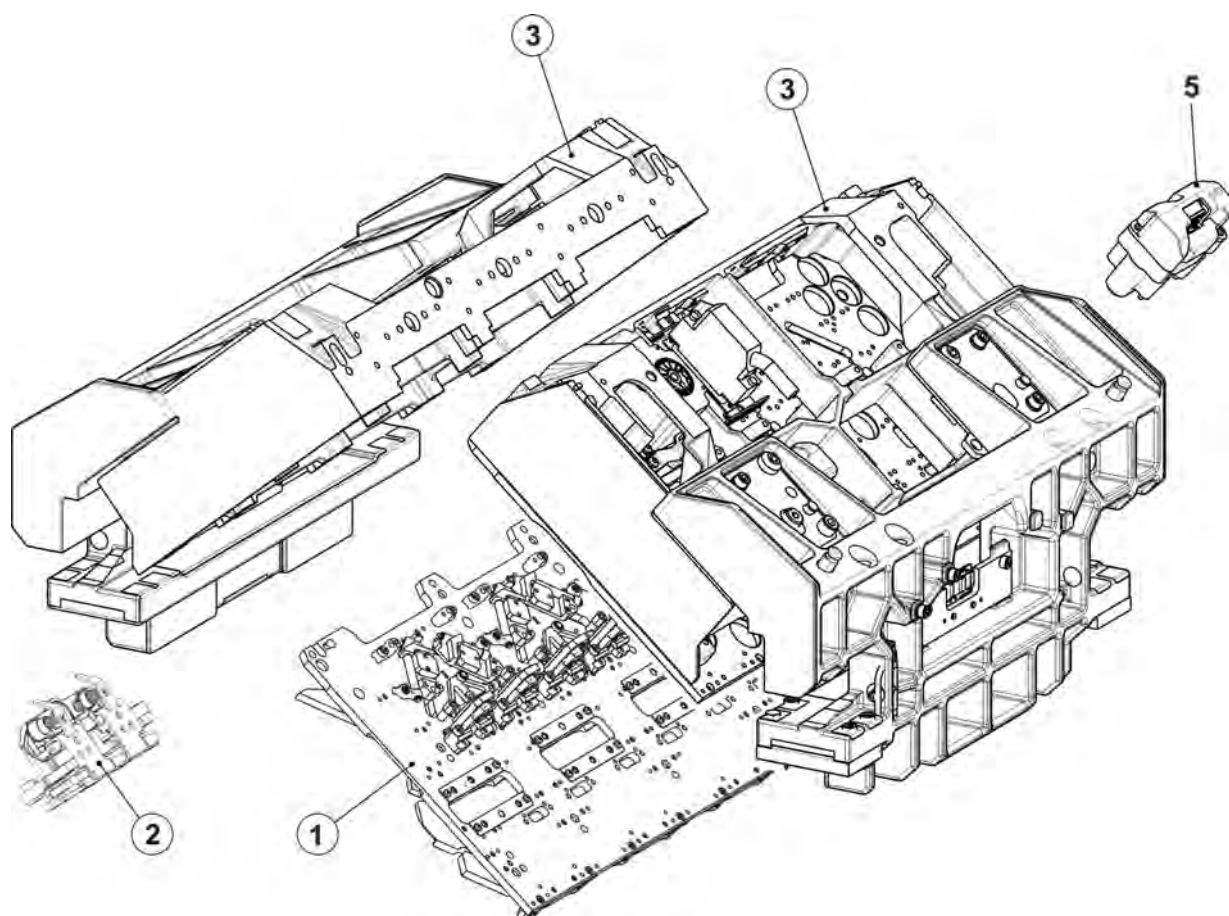
5.1 Carriage and linear guidance

Pos	Designation	ID	Pos	Designation	ID
1	Front carriage completeE10	265 964	2	Rear carriage completeE10	265 965
	Front carriage completeE12	263 791		Rear carriage completeE12	263 792
	Front carriage completeE14	258 144		Rear carriage completeE14	258 145
	Front carriage completeE16 E18	263 793		Rear carriage completeE16 E18	263 794
	Front carriage completeE12m.10	265 966		Rear carriage completeE12m.10	265 967
	Front carriage completeE7.2	259 814		Rear carriage completeE7.2	259 815
	Front carriage completeE8.2	263 795		Rear carriage completeE8.2	263 796
3	Cover strip for linear guidance	262 985	500	Pan-head screw M4x10	023 450
4	Linear guidance LG = 2480	258 045	501	Cap screw M5x20	258 909
5	Linear guidance LG = 2280	258 044			



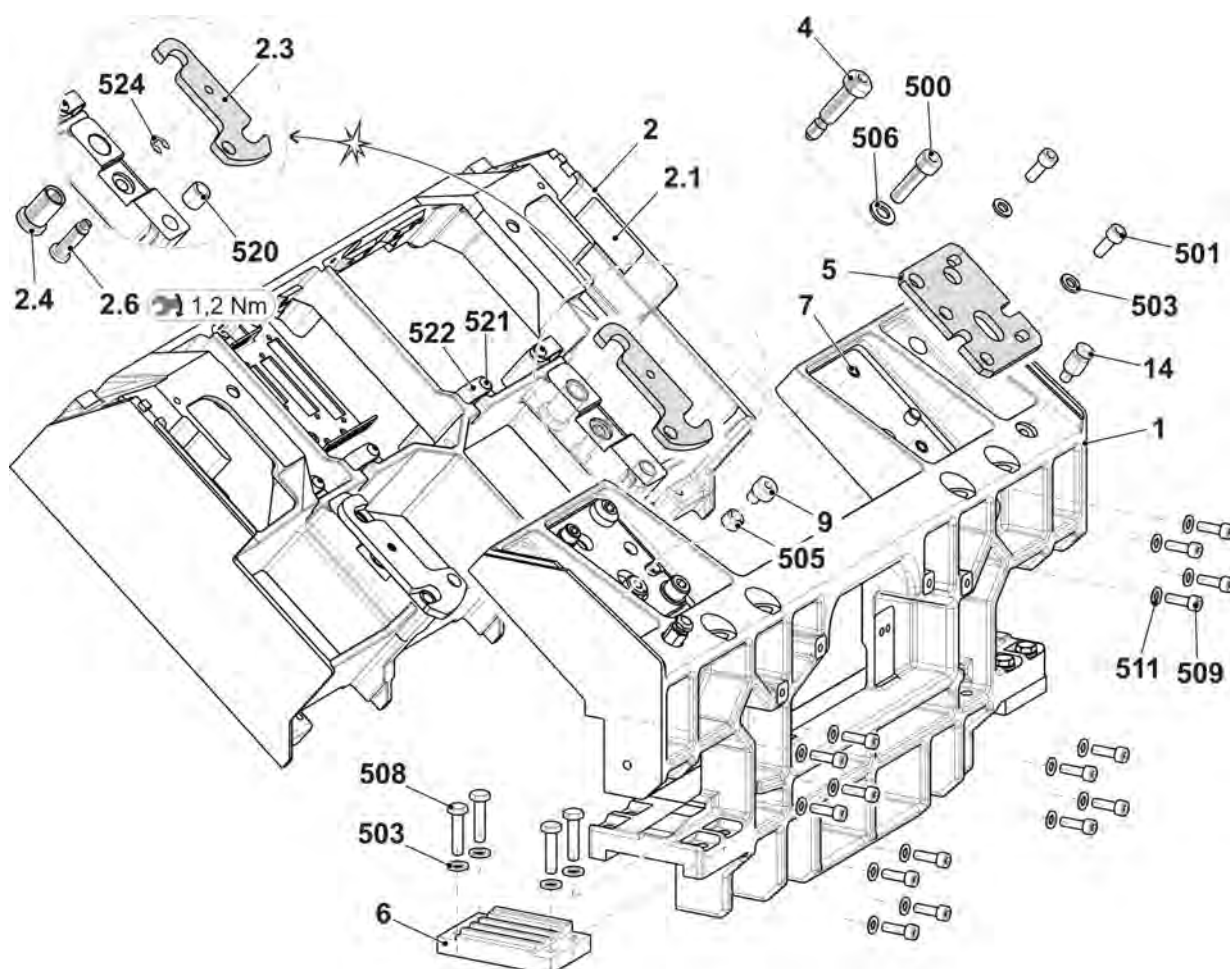
5.2 Carriage front and rear

Pos	Designation	ID	Pos	Designation	ID
1	Cam box complete E10	265 741	2	Holding-down jack control complete E12-14 E12m.10	259 627
	Cam box complete E12	265 742		Holding-down jack control complete E16-18	259 628
	Cam box complete E14 E7.2(14/12)	265 743		Holding-down jack control complete E7.2	259 629
	Cam box complete E16 E18	265 744		Holding-down jack control complete E8.2	259 630
	Cam box complete E7.2	265 746	3	Front and rear carriage assembly 3 cam boxes complete	258 146
	Cam box complete E8.2	265 747		Selection system completeE10-12	216 219
	Cam box complete E12m.10	265 748	5	Selection system completeE14	229 300
2	Holding-down jack control complete E10	259 626		Selection system completeE16-20	220 114



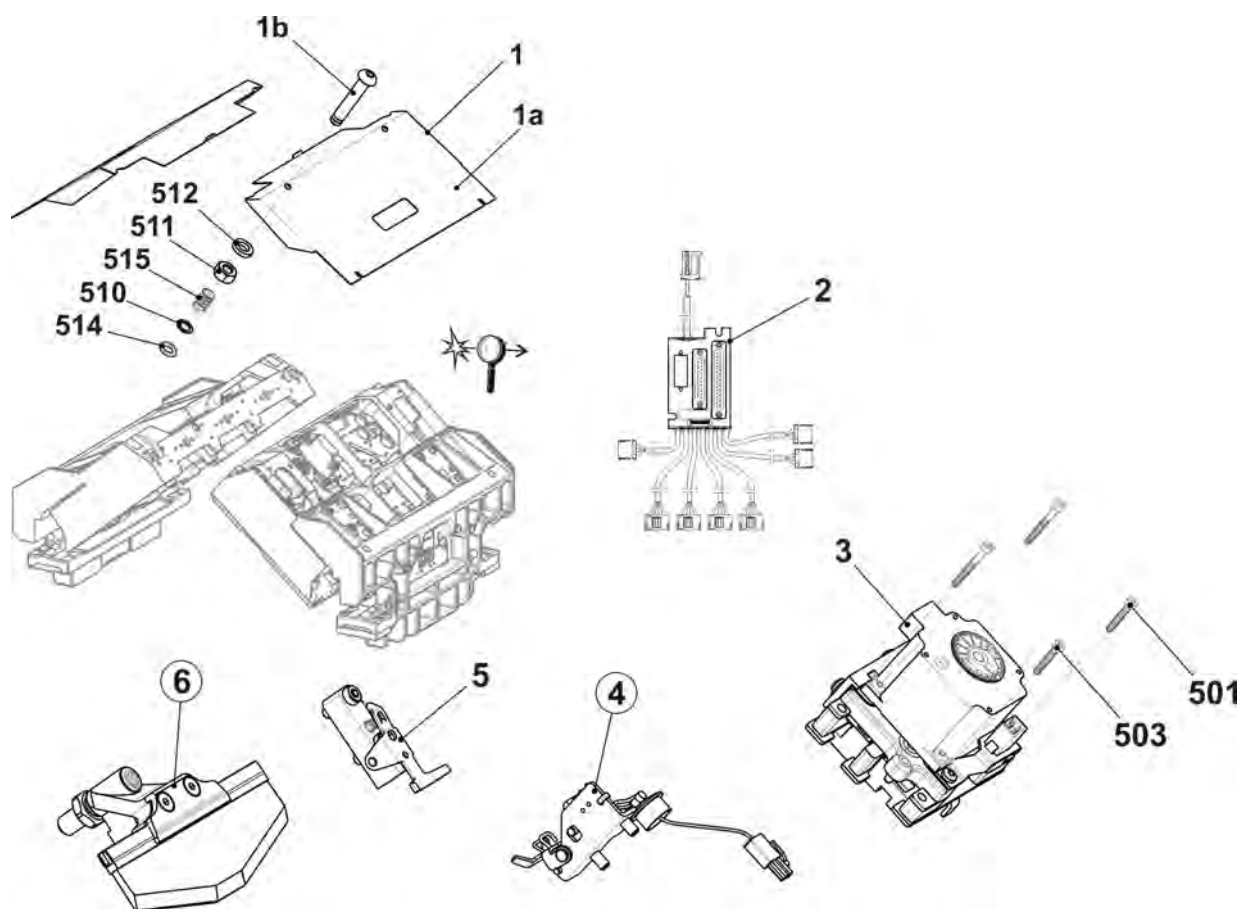
5.3 Carriage parts

Pos	Designation	ID	Pos	Designation	ID
Σ	Front and rear carriage assembly 3 cam boxes complete	258 146	5	Plate AFF carriage adjustment	257 977
1	Carriage support	259 331	6	Clamping plate	257 959
2	Carriage part complete	265 495	7	Threaded insert M6x9	257 973
2.1	Carriage part	265 494	9	Adjusting eccentric AFDF carriage	257 985
2.3	Shim	225 312	14	Bolt for carriage cover	259 668
2.4	Bushing	209 275	500	Cap screw M8x30	020 143
2.5	Eccentric	222 983	501	Cap screw M6x16	020 135
2.6	Locating bolt linking spot	244 179	503	Washer 6	020 872
520	Threaded bush M12x11.5	041 863	505	Threaded bush M12x8	259 705
521	Pan-head screw M4x10	023 450	506	Washer 8	020 873
522	Fastening clip	008 323	508	Hexagon screw M6x25	257 917
524	Circlip 6	021 022	509	Cap screw M5x16	022 726
4	Shoulder screw	211 750	511	Washer 8	020 871



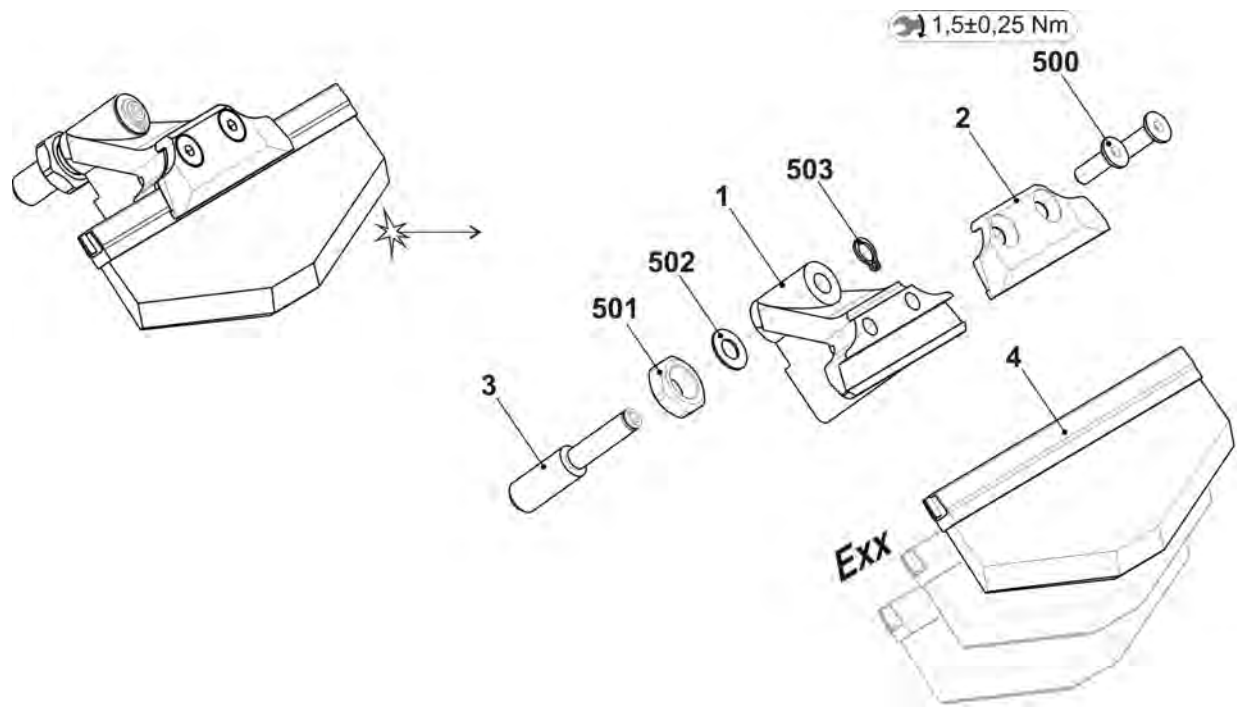
5.4 Continuation of carriage parts

Pos	Designation	ID	Pos	Designation	ID
1	Front and rear carriage cover complete	262 202	2	Distributor 3 cam box	265 523
1a	Carriage cover ADF	257 974	3	Motor unit ATM complete	251 827
1b	Locating bolt ADF	259 667	4	Needle detector pre-assembled E10-18	256 475
510	Washer 6,1x9x0,5	023 554	5	Sinker opener complete	256 623
511	Hexagon nut M6	022 899	6	Brush holder complete E5-8	265 553
512	Serrated lock washer J 6,4	022 385		Brush holder complete E10-14	265 552
514	O-ring 3x2	242 420		Brush holder complete E8.2	265 554
515	Compression spring 0,48x7,02x17,29	023 654	501	Cap screw M4x35	023 550
			513	Cap screw M4x20	023 171



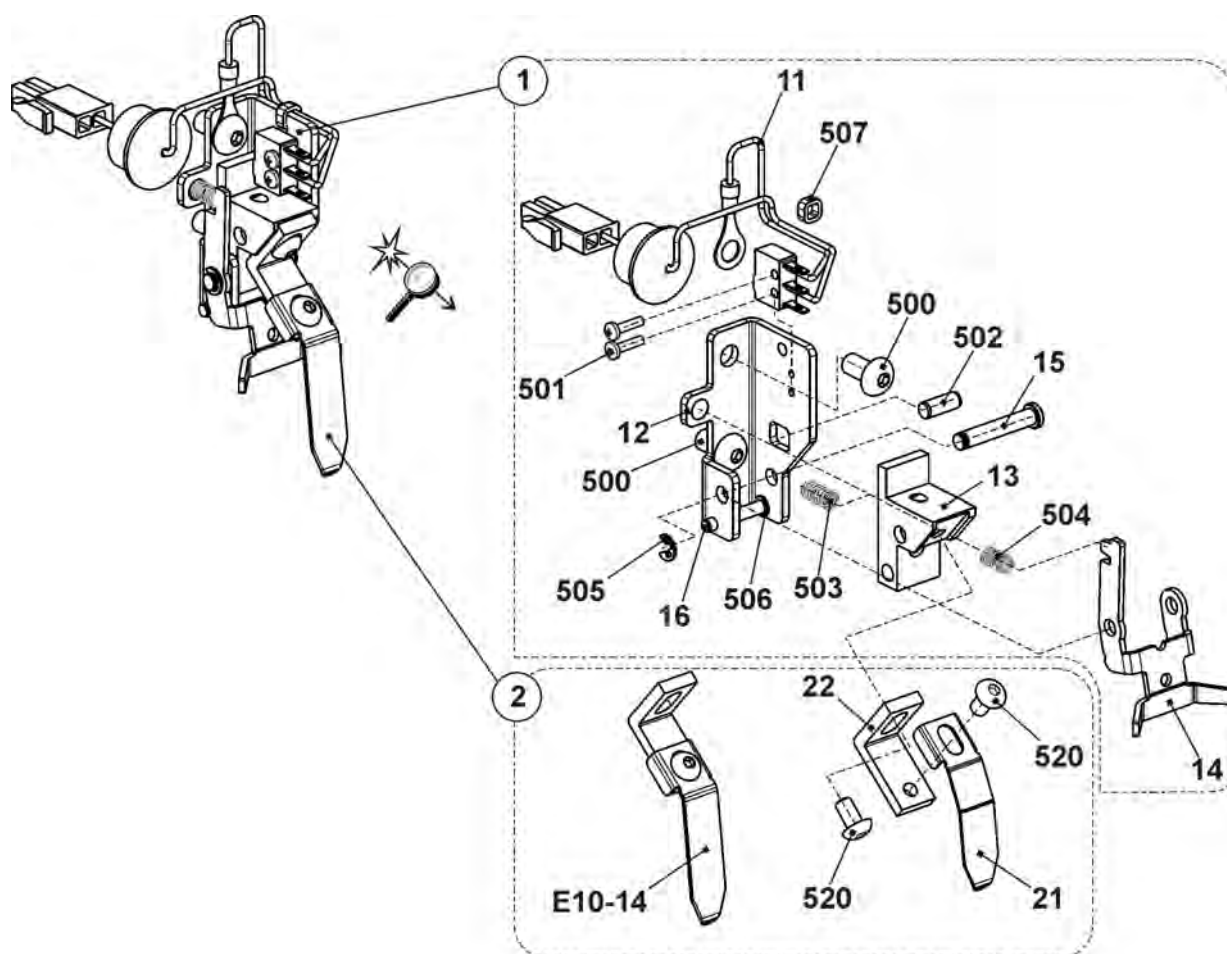
5.5 Brush holder

Pos	Designation	ID	Pos	Designation	ID
Σ	Brush holder complete		4	E16 E18	203 254
	E5-8 für E16 E18	265 553		E10 E12 E14 E14/12 E12m.10 E7.2	243 074
	E10-14 auch für E7.2 E14/12 E12m.10	265 552		E8.2	260 502
	E8.2	265 554	500	Countersunk head screw M4x12	023 062
1	Brush holder	213 009	501	Hexagon nut M8x5 (E10-14)	023 750
2	Brush clamp	265 439		Hexagon nut M8-4 (E16 E18 E8.2)	020 856
3	Threaded rod	209 740	502	Shim ring 5x10x0,5	023 348
4	Brush		503	Retaining ring5x0,6	023 347



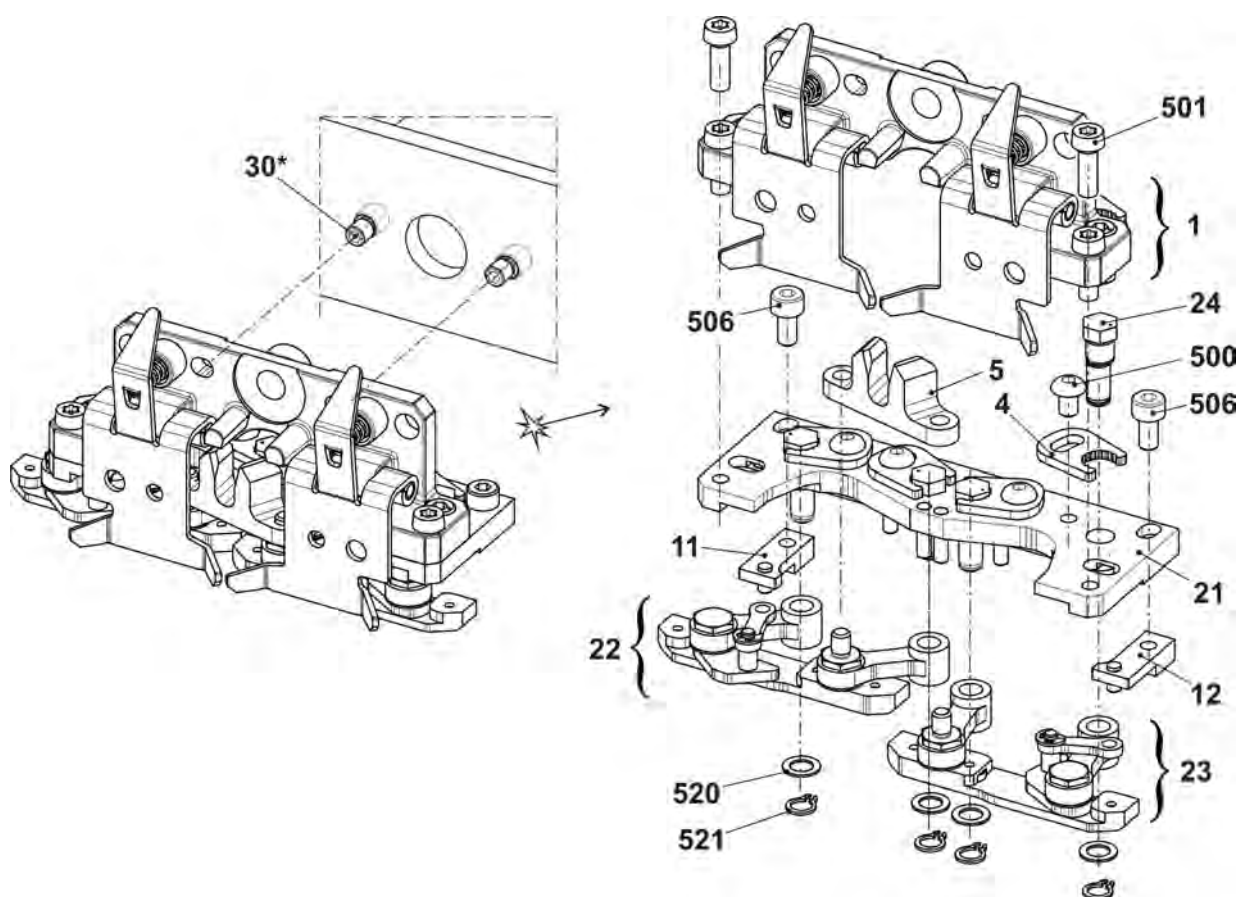
5.6 Needle detector

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle detector		504	Compression spring 0,4x4x11,2	256 952
1	Needle detector pre-assembled E10-18	256 475	505	Circlip	021 018
11	Cable of needle detector complete	261 856	506	Circlip	023 565
12	Retainer	256 476	507	Cable tape 92x2,4	008 378
13	Switch rocker	256 477	2	Sensor pre-assembled E10 E12 E14 E7.2	256 454
14	Set-out plate	256 094	21	Sensor E10 E12 E14 E7.2	255 758
15	Bolts	256 492	22	Angle	255 757
16	Stop bolt	256 493	520	Pan-head screw M4x6	023 427
500	Pan-head screw M5x10	023 247	2	Sensor pre-assembled E16 E18 E8.2	256 784
501	Pan-head screw M2x8	258 310	21	Sensor E16 E18 E8.2	255 759
502	Dowel pin4x10-A-St	023 753	22	Angle	255 757
503	Compression spring 4,3x0,45x10	021 398	520	Pan-head screw M4x6	023 427



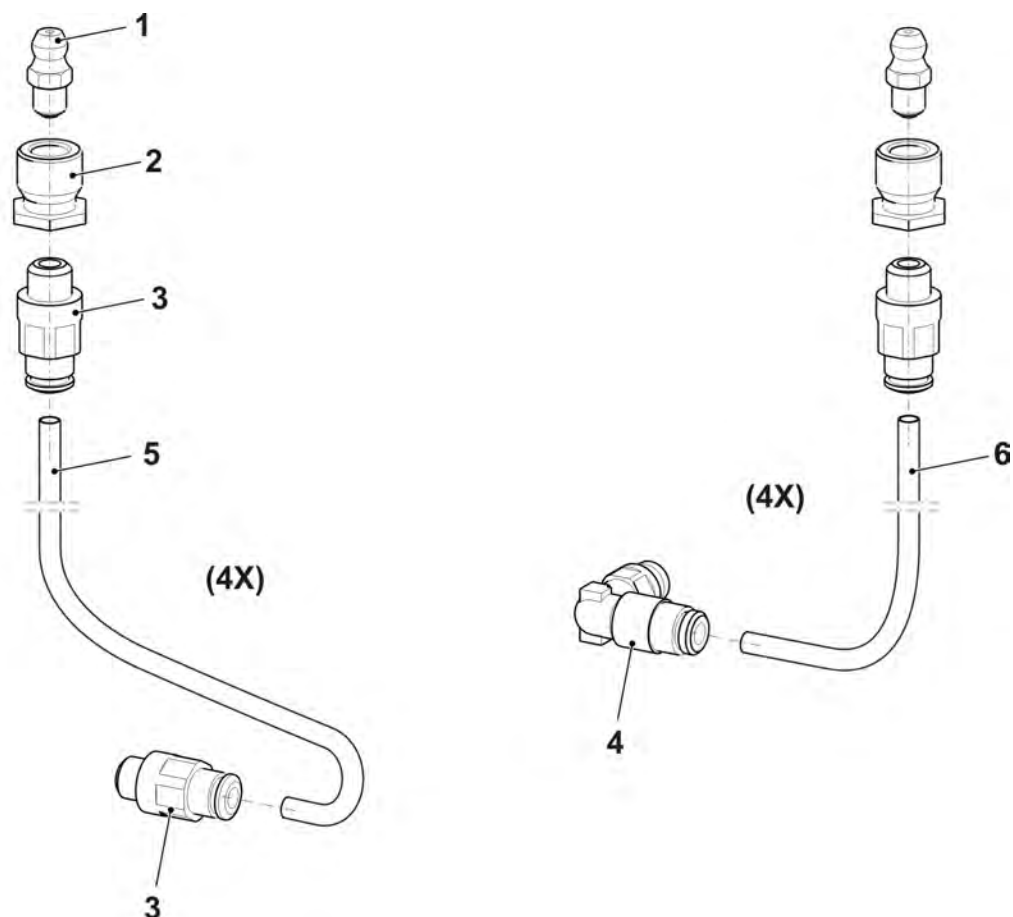
5.7 Holding-down jack control

Pos	Designation	Id	Pos	Designation	Id
Σ	Holding-down jack control complete				
	E10	259 626	22	E7.2	256 394
	E12 E14	259 627		E8.2	256 395
	E16 E18	259 628	23	Slider on the left complete	
	E7.2	259 629		E10	256 396
	E8.2	259 630		E12 E14	256 397
1	Assembly plate complete	256 311		E16 E18	256 398
4	Adjusting plate	256 388		E7.2	256 399
5	Plunger	256 059		E8.2	256 400
11	Slider on the right	259 457	24	Bolts	209 722
12	Slider on the left	259 456	500	Pan-head screw M4x6	023 427
21	Base plate	259 170	501	Cap screw M4x12	241 859
22	Slider on the right complete		506	Cap screw M4x8	022 501
	E10	256 391	520	Shim ring 5x8x0.5	256 371
	E12 E14	256 392	521	Retaining ring 5x0,6	023 347
	E16 E18	256 393	30*	Eccentric of holding-down jack control	256 994



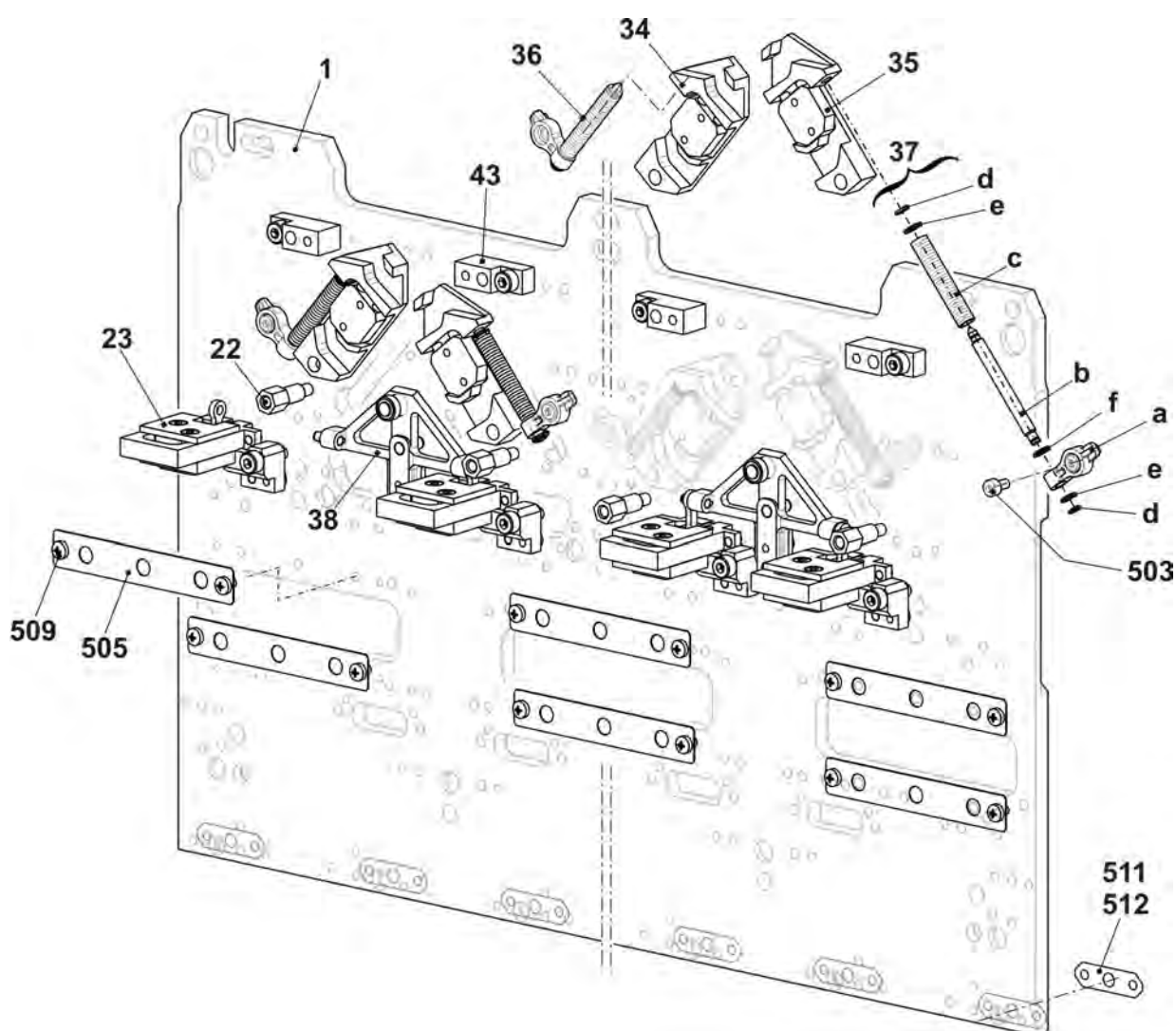
5.8 Grease supply

Pos	Designation	ID	Pos	Designation	ID
Σ	Grease supply				
1	Hydraulic-type lubricating nipple AM6	021 813	4	Swivelling connection	240 789
2	adaptor	264 493	5	Tubular D4, 200 mm	240 788
3	Straight plug connectors D4	235 051	6	Tubular D4, 90 mm	265 403



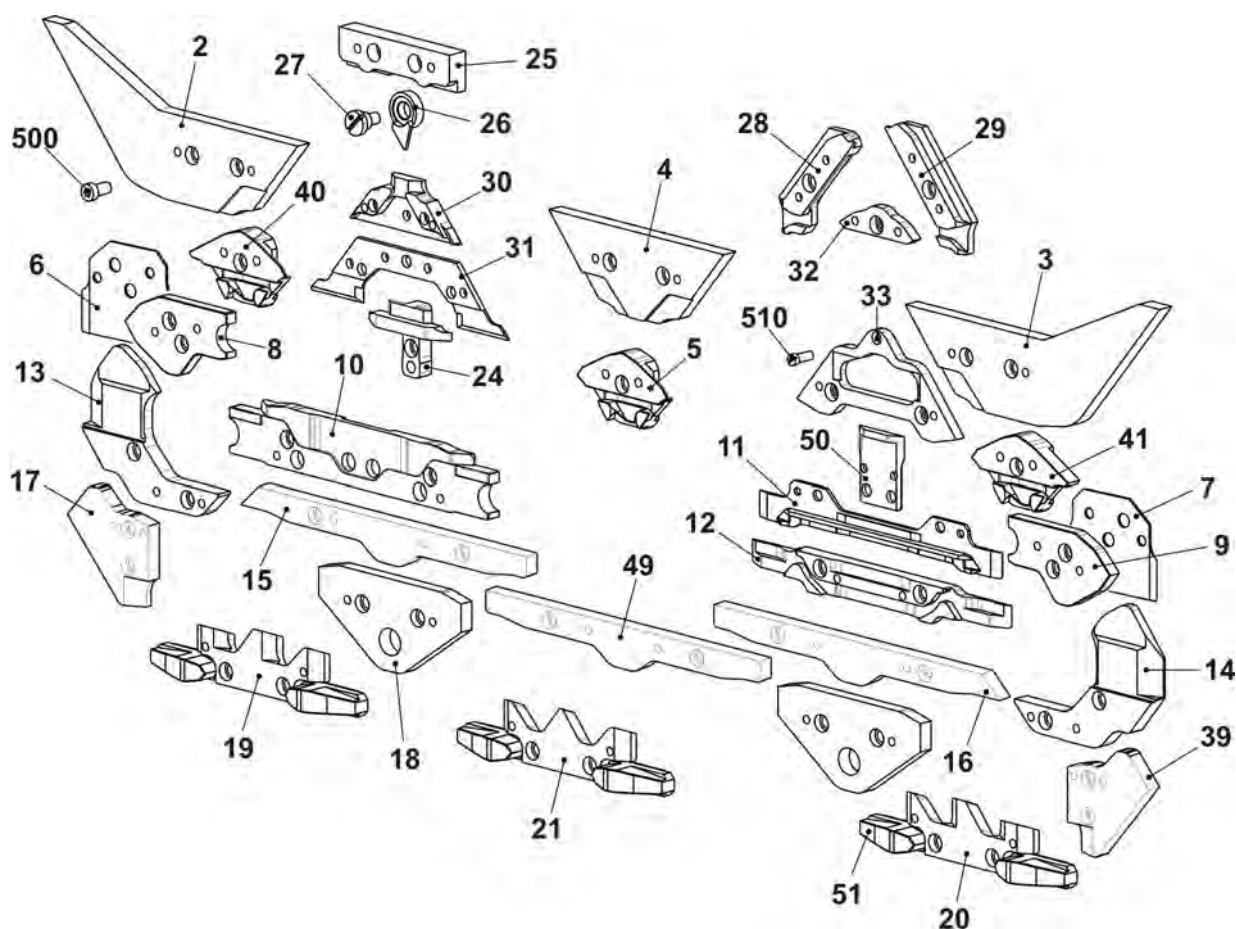
5.9 Cam box E10

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E10	265 741			
1	Cam plate 3 cam boxes E10-18	264 747	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 completeE10	254 246	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right completeE10	254 247	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



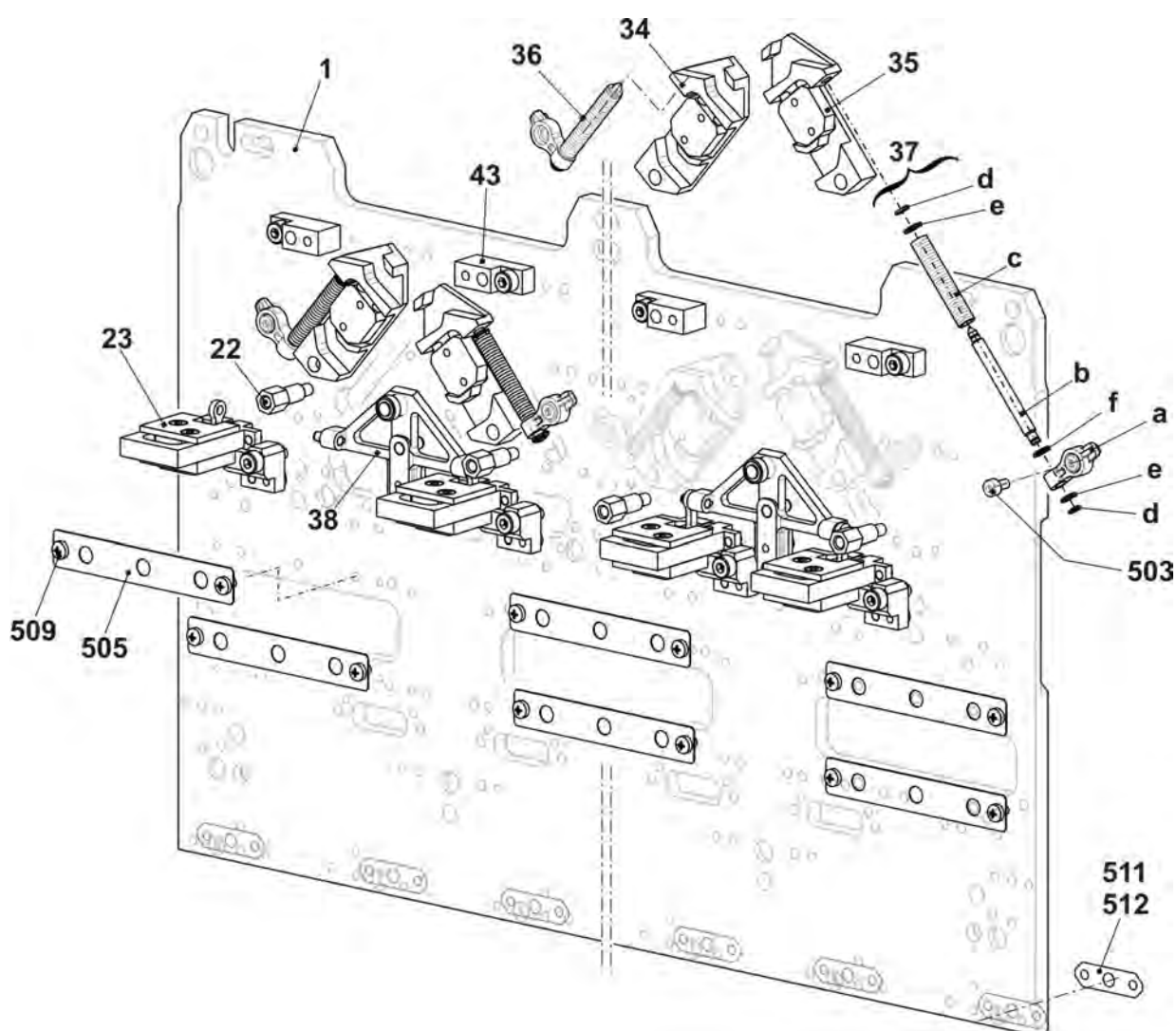
5.9.1 Cams E10

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	265 722	24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	265 723	25	Limiting cam E10 E7.2	251 993
4	Entry cam at the top E10-18	256 689	26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E10 E7.2	254 295
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540	32	Receiving cam E10 E12	251 997
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E10 E12	254 334
12	Cam guide E10-18	255 541		Raising cam with split-stitch E10 E12	254 335
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left	264 051	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right	264 052	49	Limiting cam middle	264 053
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
21	Selection cam E10-18	251 875			



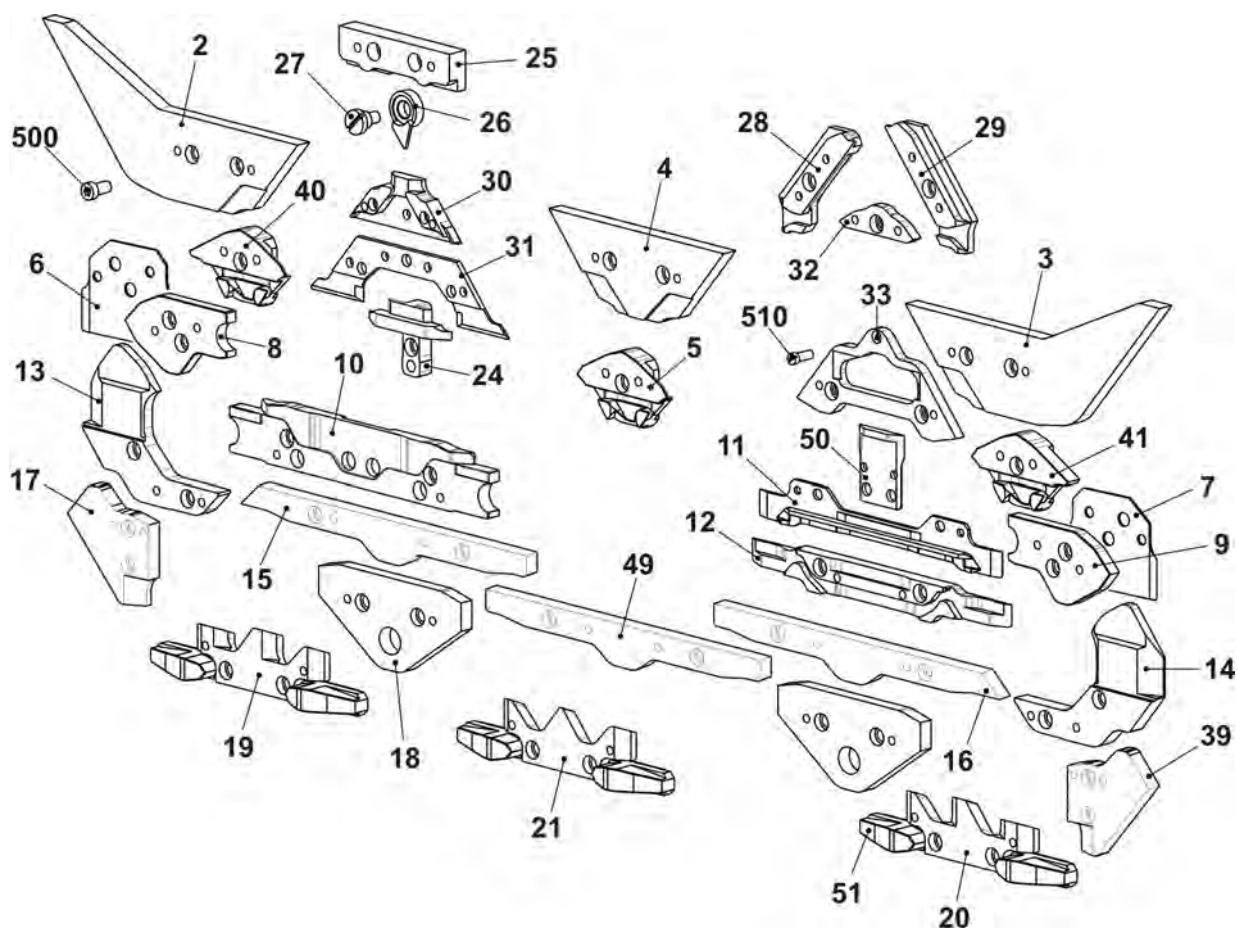
5.10 Cam box E12

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E12	265 742	37	d Circlip	023 565
1	Cam plate E10-18	264 747	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 completeE12-14	254 248	43	Holding piece	251 828
35	Loop sinking cam on the right completeE12-14	254 249	503	Cap screw M3x6	022 589
36	Rod guide on the left complete	252 662	505	Shim0,5x12x75	236 654
37	Rod guide on the right complete	252 663	509	Pan-head screw M3x4	023 142
a	Rod guide part	258 148	511	Shim0,03x8x28	023 452
b	Spring rod	252 661	512	Shim0,05x8x28	023 020
c	Compression spring	257 082			



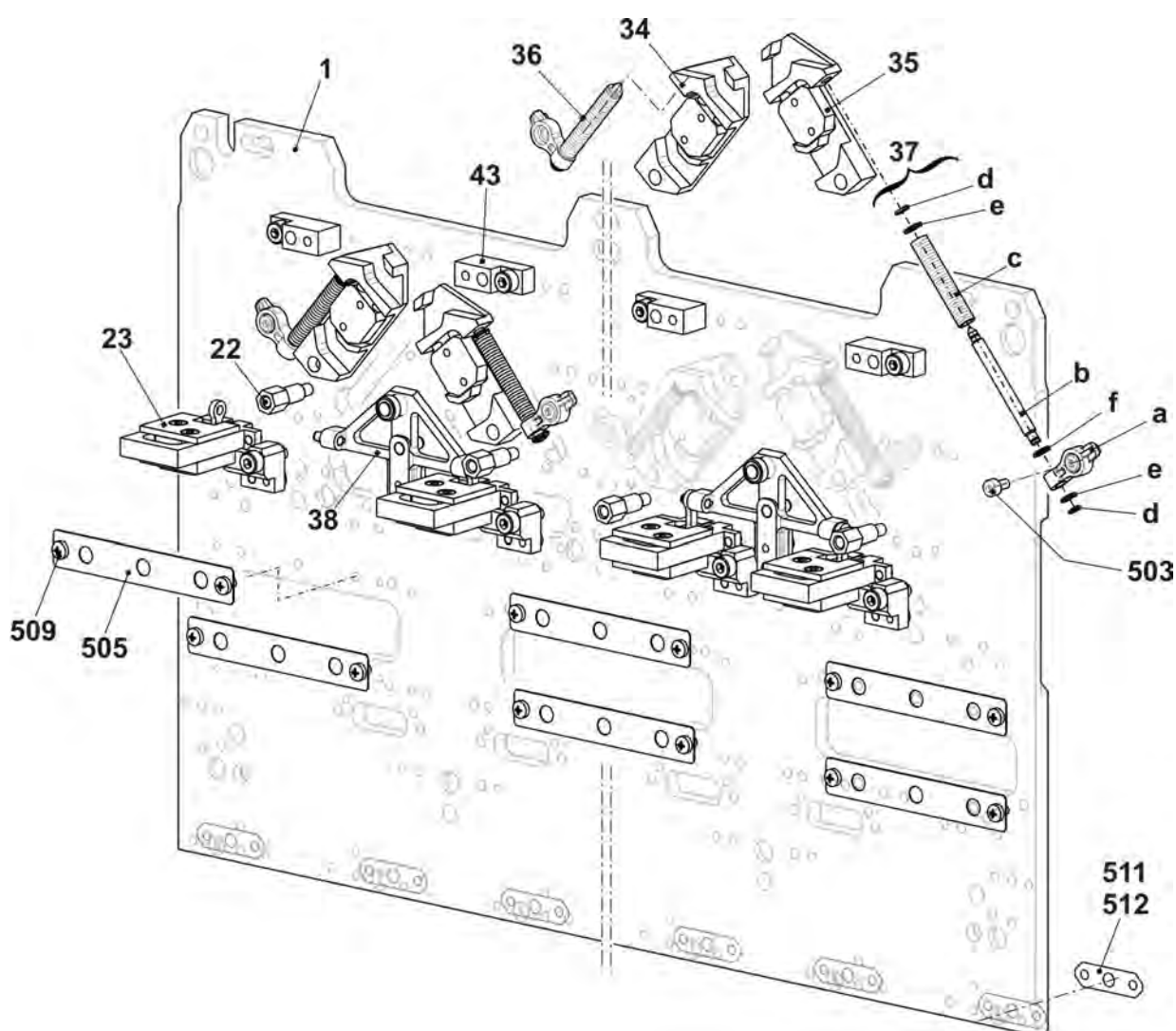
5.10.1 Cams E12

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	265 722	24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	265 723	25	Limiting cam E12-14	252 522
4	Entry cam at the top E10-18	256 689	26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E12-14	254 298
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540	32	Receiving cam E10 E12	251 997
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E10 E12	254 334
12	Cam guide E10-18	255 541		Raising cam with split-stitch E10 E12	254 335
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left	264 051	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right	264 052	49	Limiting cam middle	264 053
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
21	Selection cam E10-18	251 875			



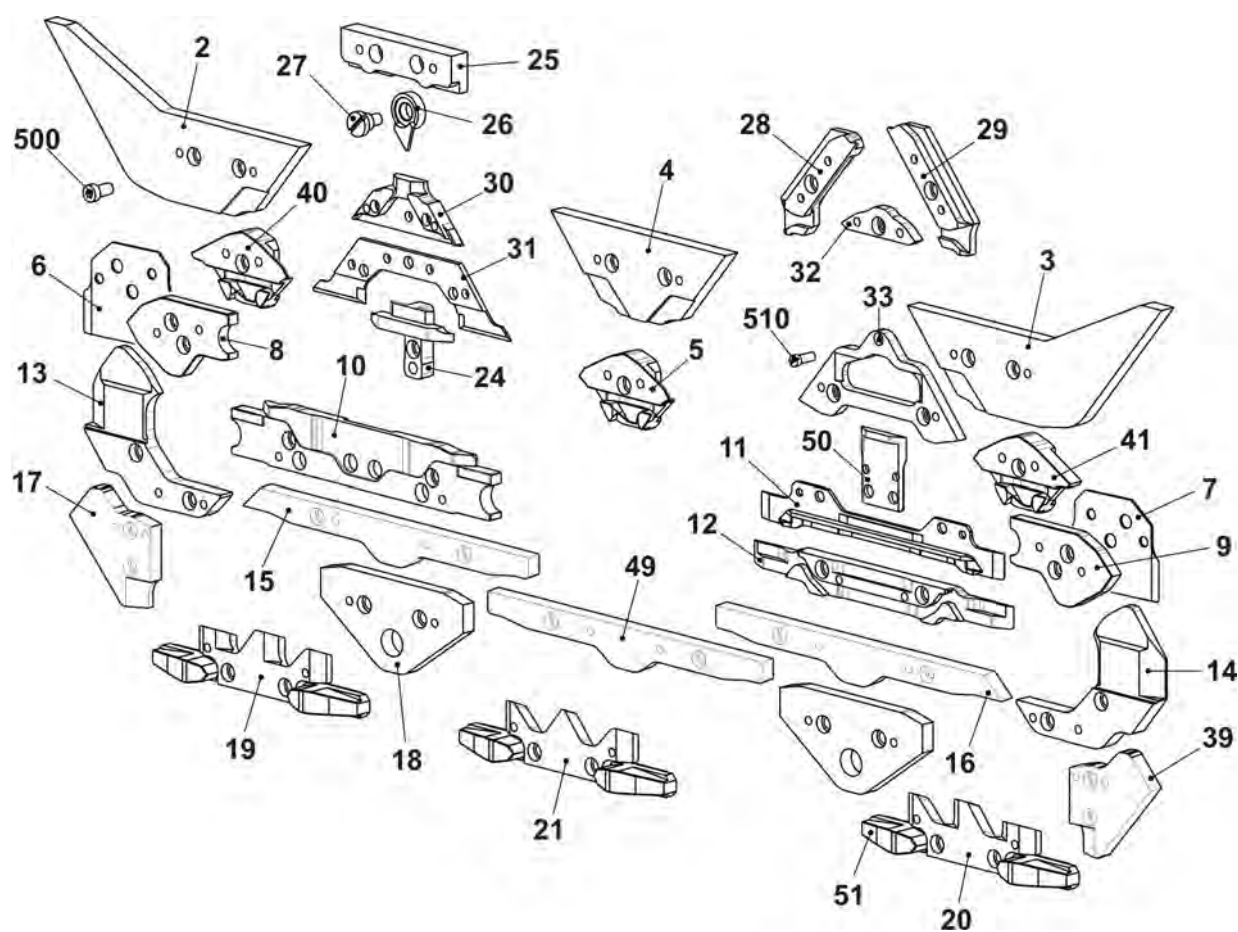
5.11 Cam box E14 | E14/12

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E14	265 743			
1	Cam plate E10-18	264 747	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



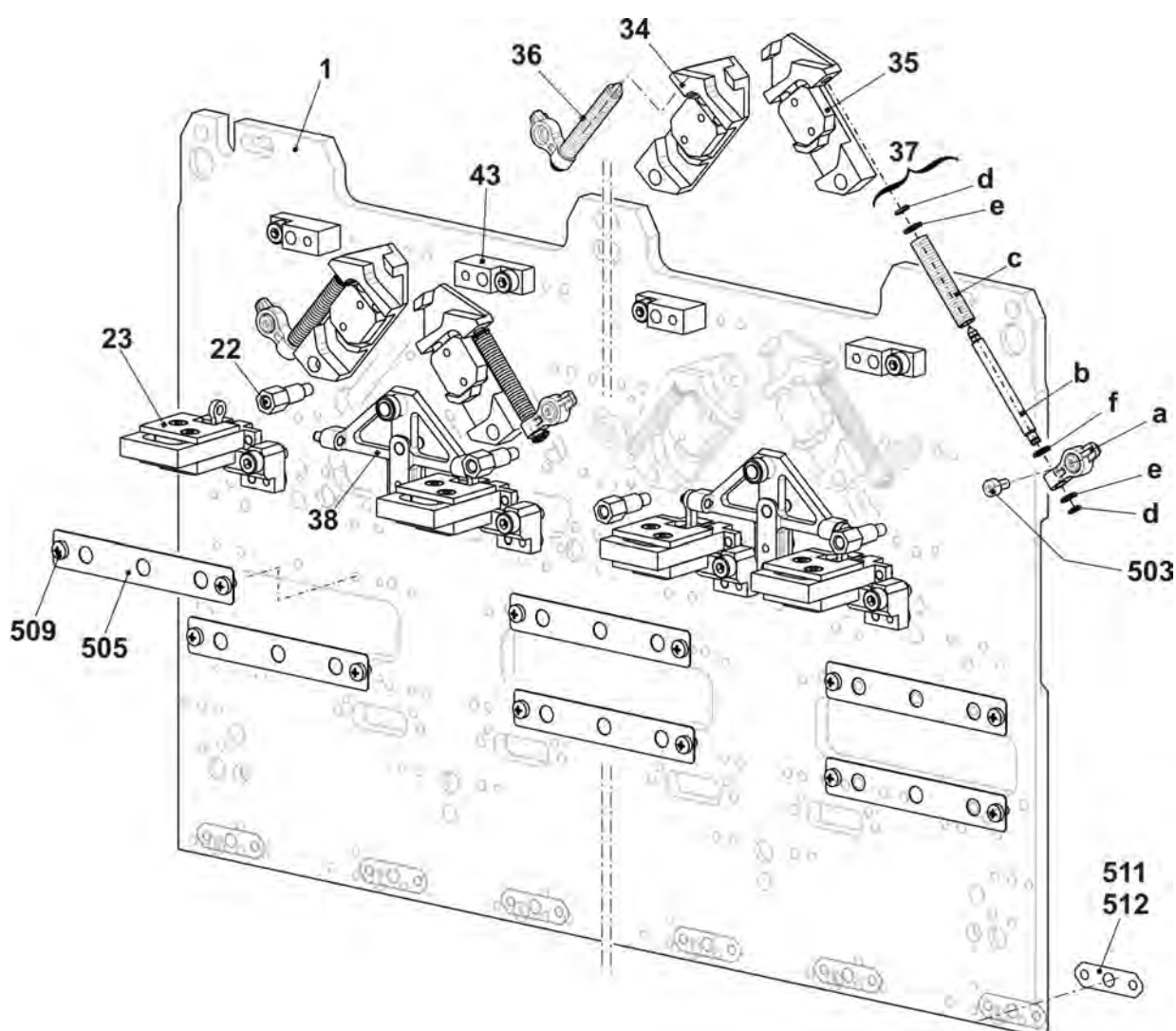
5.11.1 Cams E14 | E14/12

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	265 722	24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	265 723	25	Limiting cam E12-14	252 522
4	Entry cam at the top E10-18	256 689	26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E12 E14	254 298
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540	32	Receiving cam E14	252 607
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E14	254 336
12	Cam guide E10-18	255 541		Raising cam with split-stitch E14	254 337
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left	264 051	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right	264 052	49	Limiting cam middle	264 053
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
21	Selection cam E10-18	251 875			



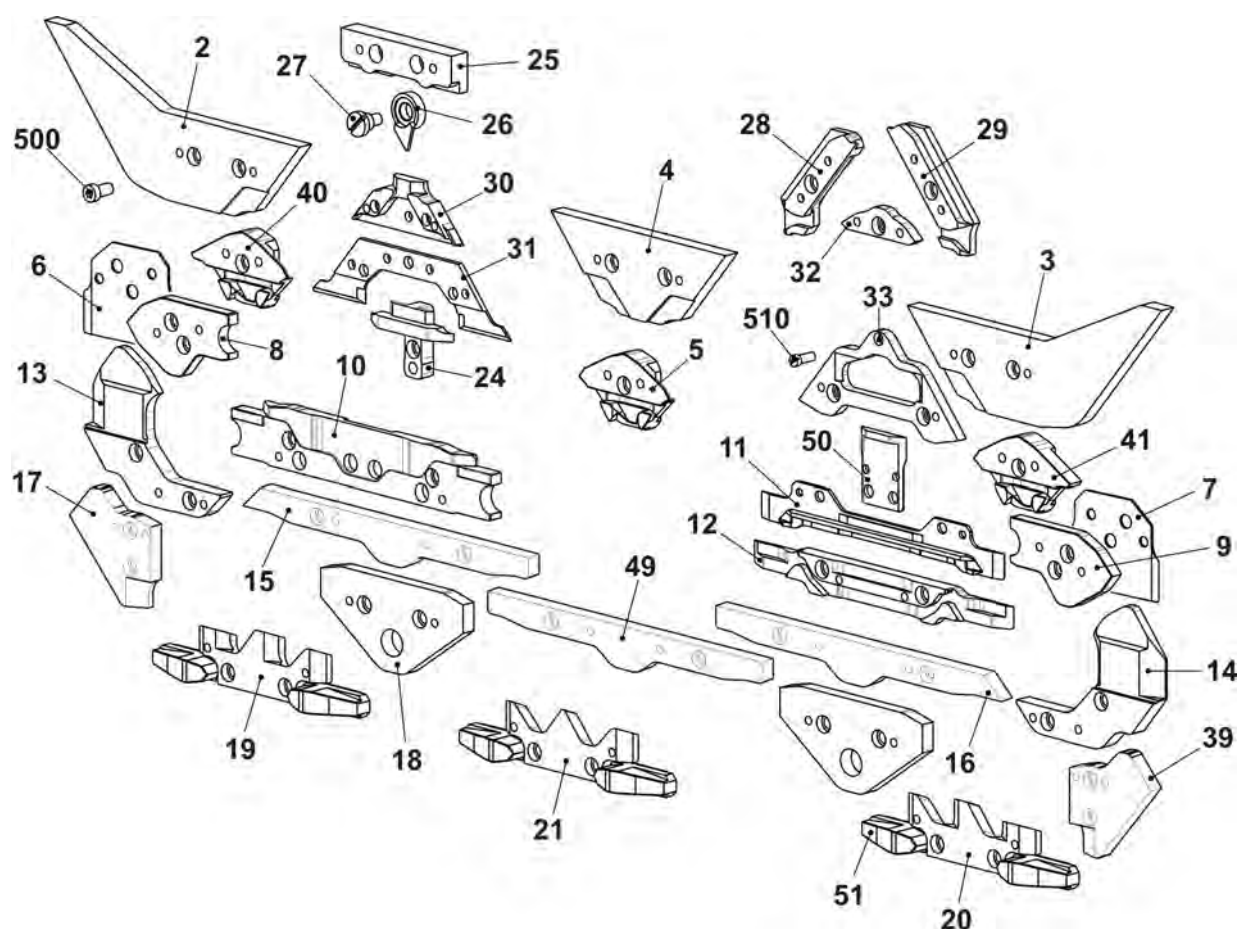
5.12 Cam box E16|E18

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E16-18	265 744			
1	Cam plate E10-18	264 747	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



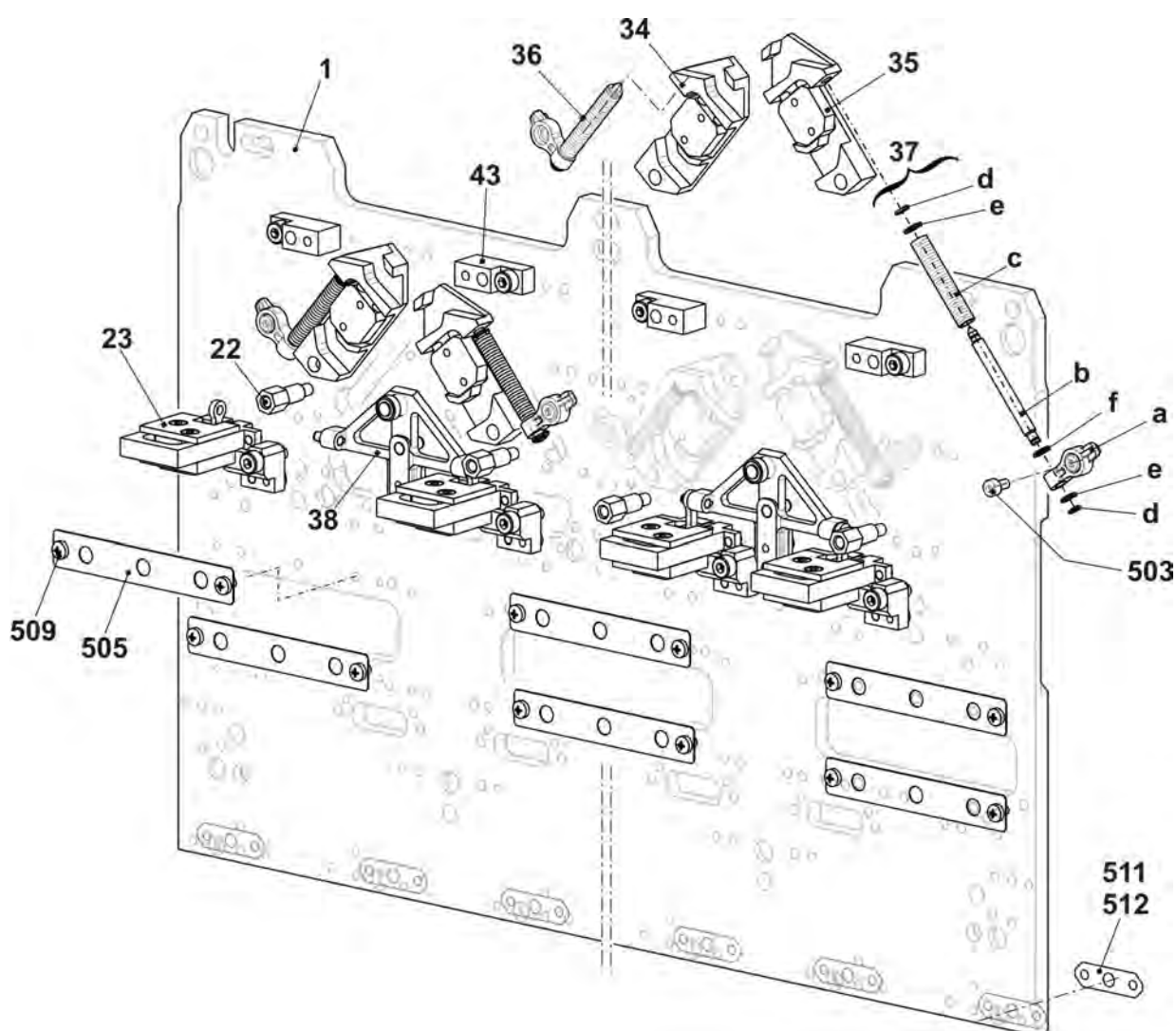
5.12.1 Cams E16|E18

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	265 722	24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	265 723	25	Limiting cam E16-18	252 646
4	Entry cam at the top E10-18	256 689	26	Pointer E16-18	252 656
5	Knitting position cam E16-18 E8.2	255 027	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E16-18 E8.2	254 338
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E16-18 E8.2	254 339
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E16-18	254 299
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E16-18	256 681	32	Receiving cam E16-18	252 654
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E16-18	254 340
12	Cam guide E10-18	255 541		Raising cam with split-stitch E16-18	254 341
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E16-18 E8.2	255 028
15	Limiting cam on the left	264 051	41	Knitting position cam on the right E16-18 E8.2	255 029
16	Limiting cam on the right	264 052	49	Limiting cam middle	264 053
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
21	Selection cam E10-18	251 875			



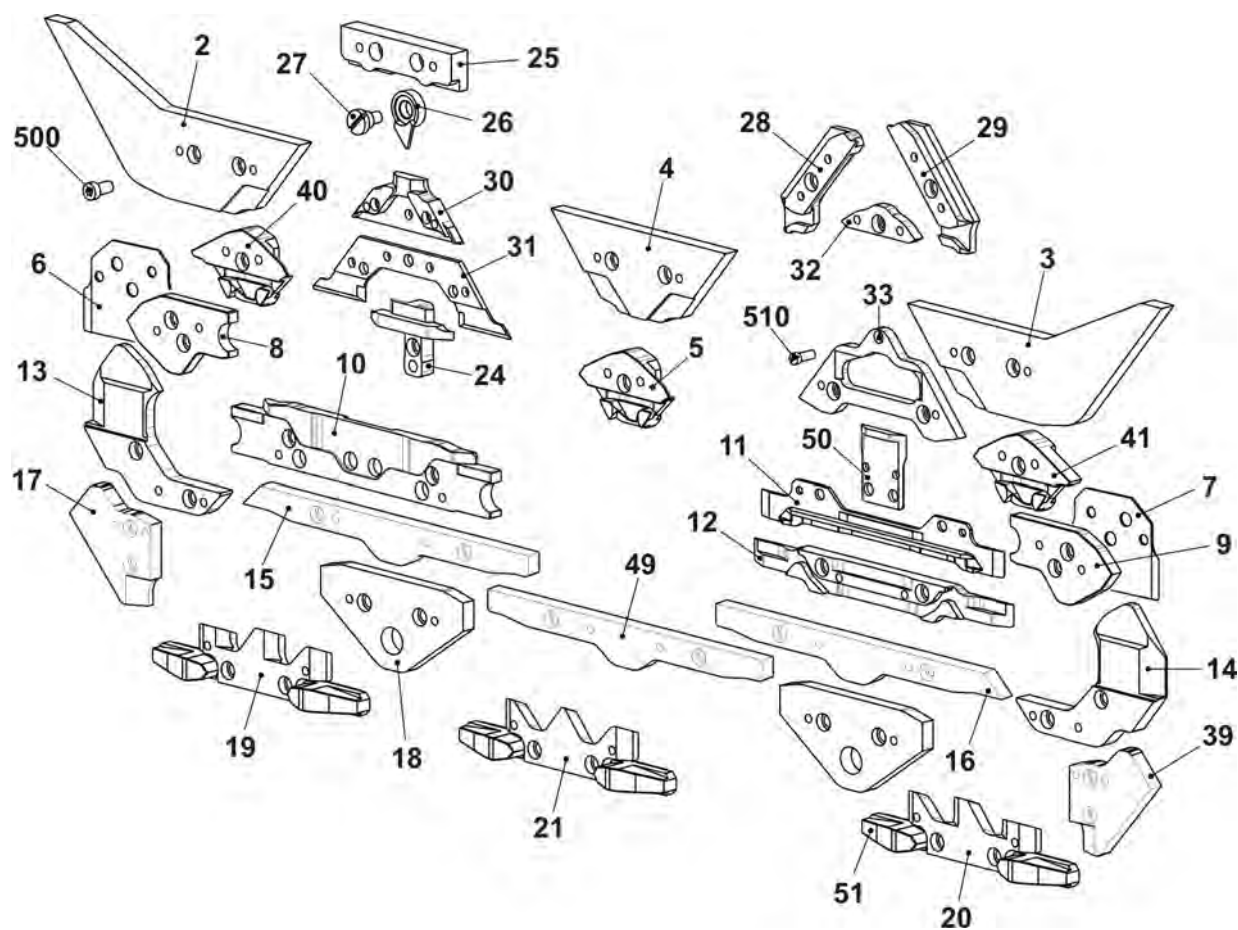
5.13 Cam box E12m.10

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E12m.10	265 748			
1	Cam plate E10-18	264 747	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



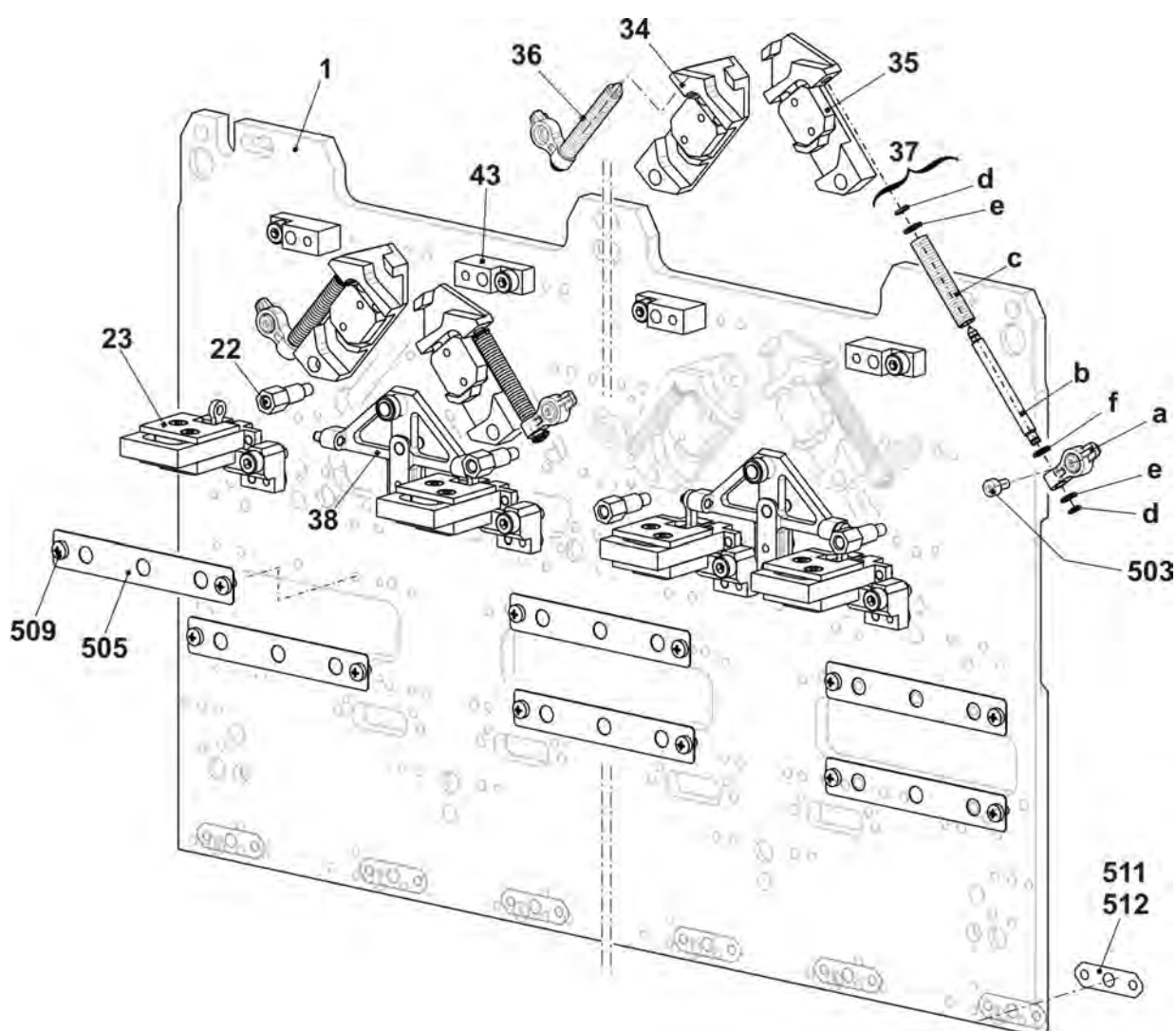
5.13.1 Cams E12m.10

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	265 722	24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	265 723	25	Limiting cam E10 E7.2	251 993
4	Entry cam at the top E10-18	256 689	26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E10 E7.2	254 295
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540	32	Receiving cam E10-12	251 997
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E10-12	254 334
12	Cam guide E10-18	255 541		Raising cam with split-stitch E10-12	254 335
13	Cam E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left	264 051	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right	264 052	49	Limiting cam middle	264 053
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
21	Selection cam E10-18	251 875			



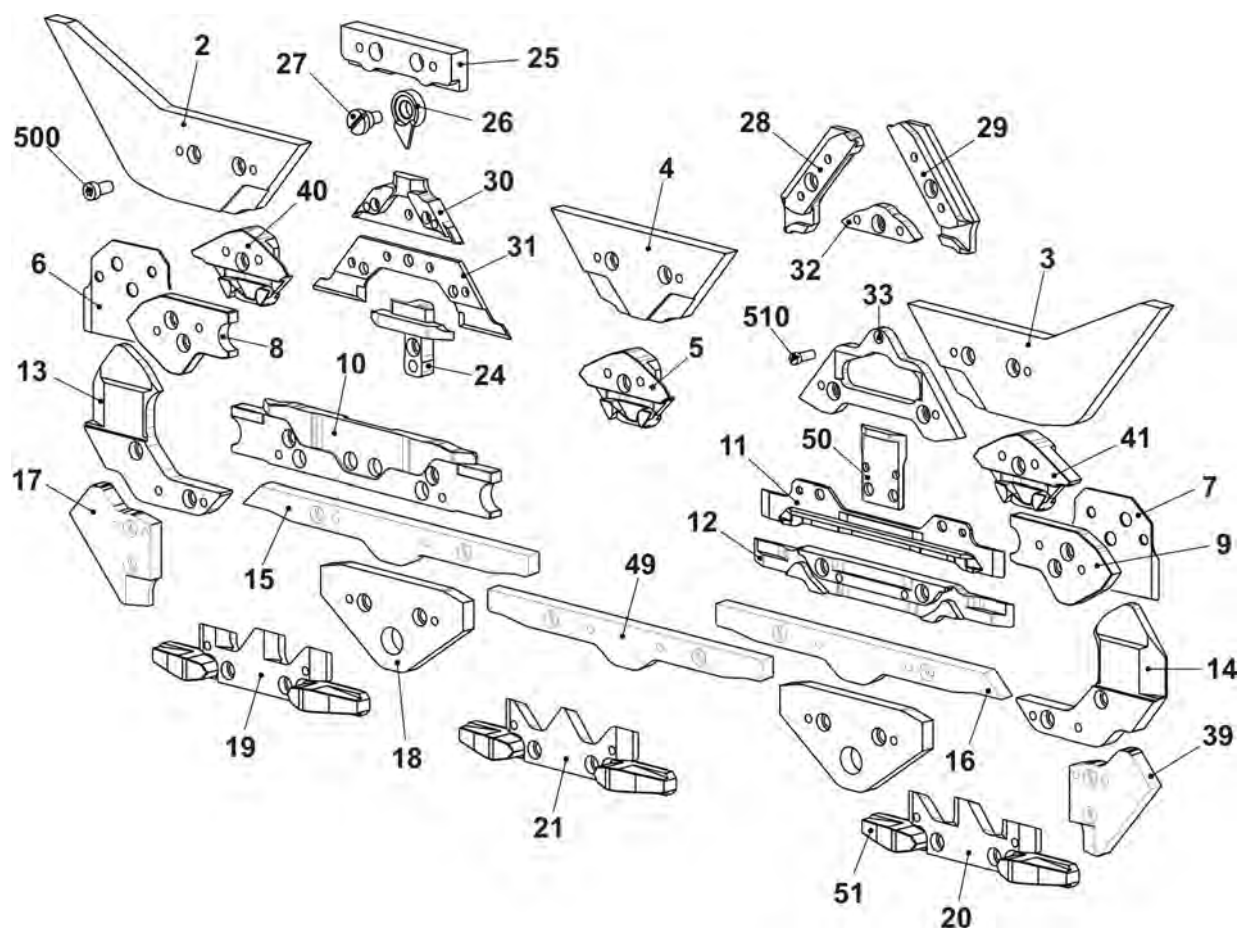
5.14 Cam box E7.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E7.2	265 746			
1	Cam plate E10-18	264 747	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



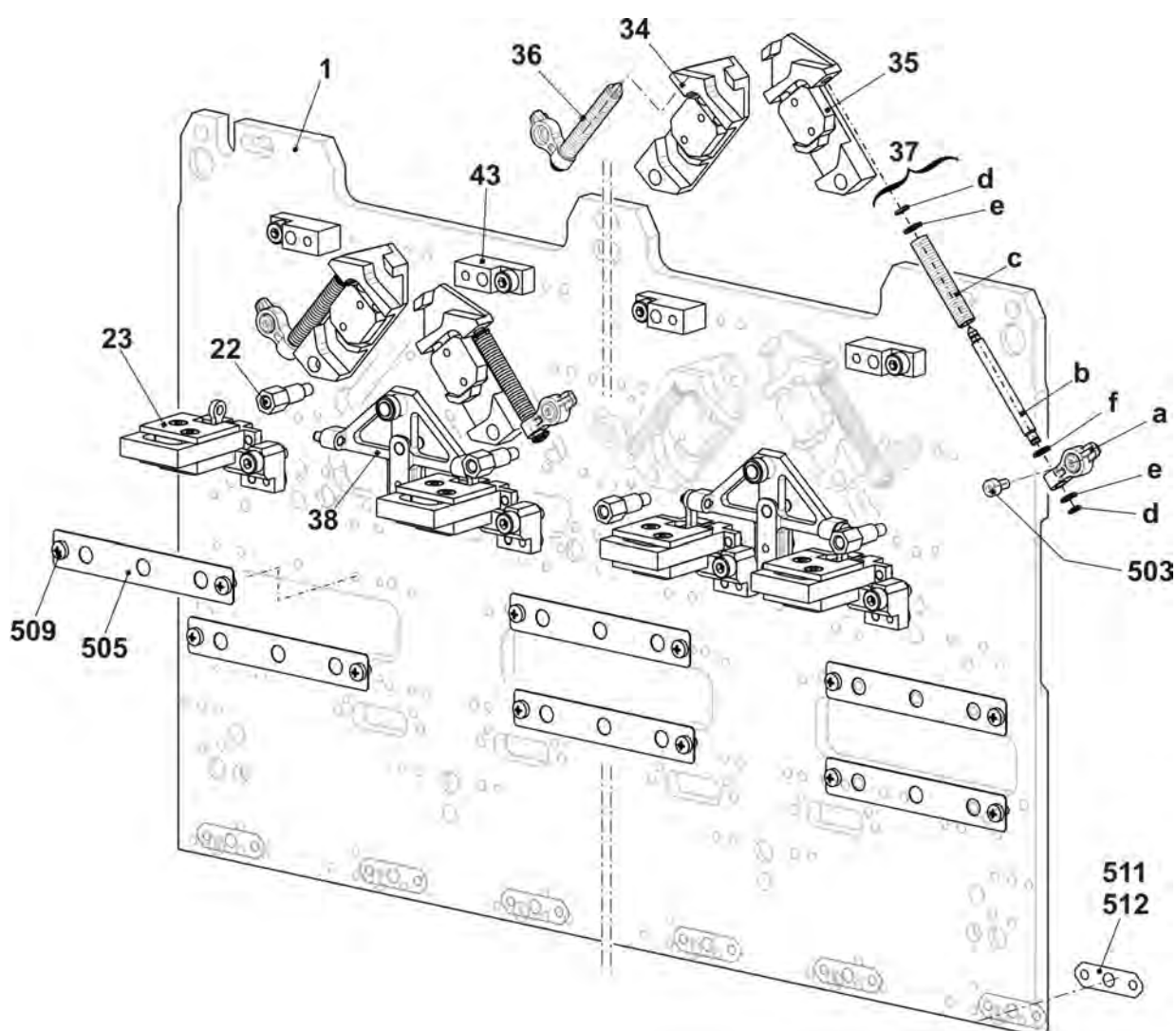
5.14.1 Cams E7.2

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	265 722	24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	265 723	25	Limiting cam E10 E7.2	251 993
4	Entry cam at the top E10-18	256 689	26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E10 E7.2	254 295
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540	32	Receiving cam E10-12	251 997
11	Cam guide E10-18	258 161	33	Raising cam without split-stitch E10-12	254 334
12	Cam guide E10-18	255 541		Raising cam with split-stitch E10-12	254 335
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left	264 051	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right	264 052	49	Limiting cam middle	264 053
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
21	Selection cam E10-18	251 875			



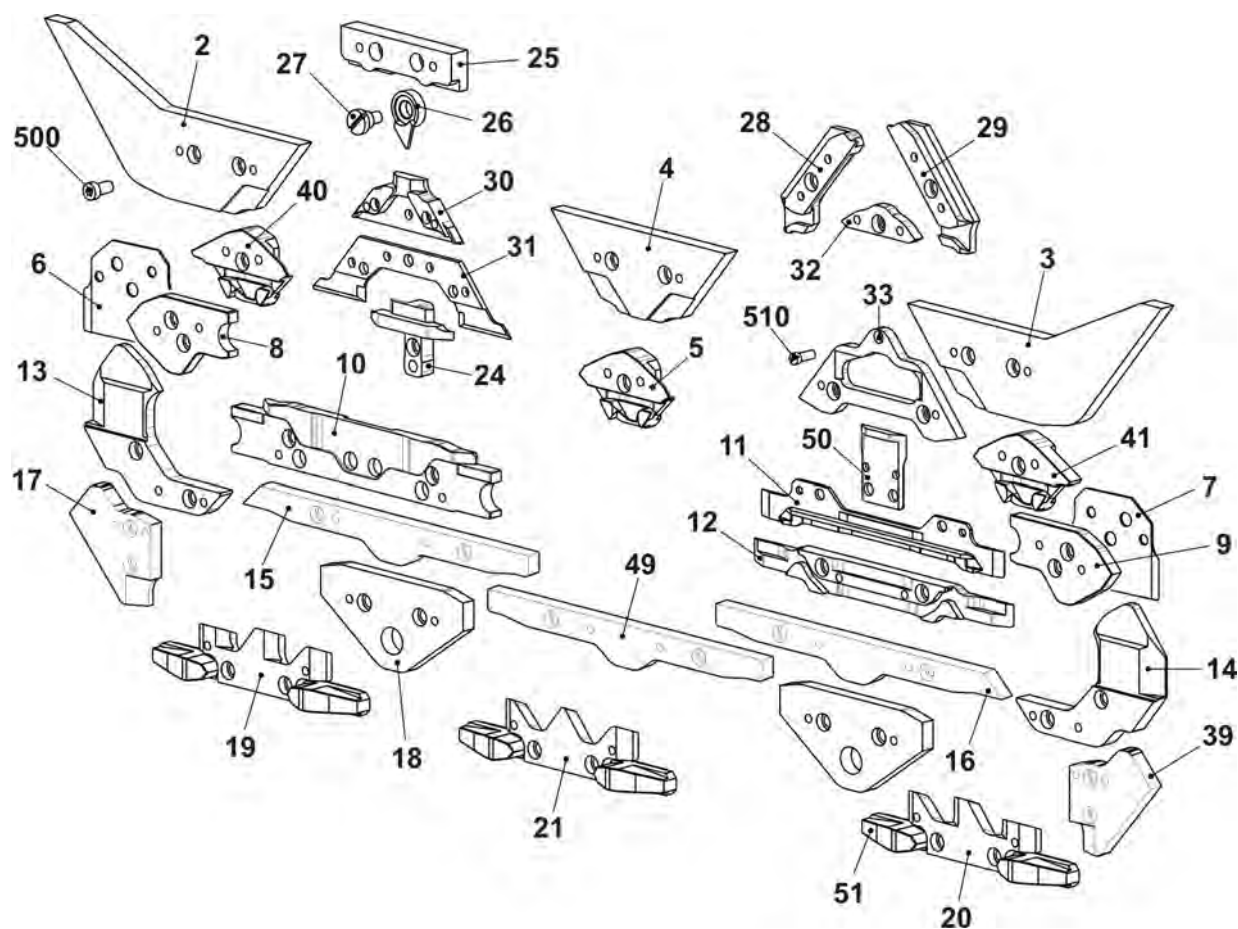
5.15 Cam box E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E8.2	265 747			
1	Cam plate E10-18	264 747	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

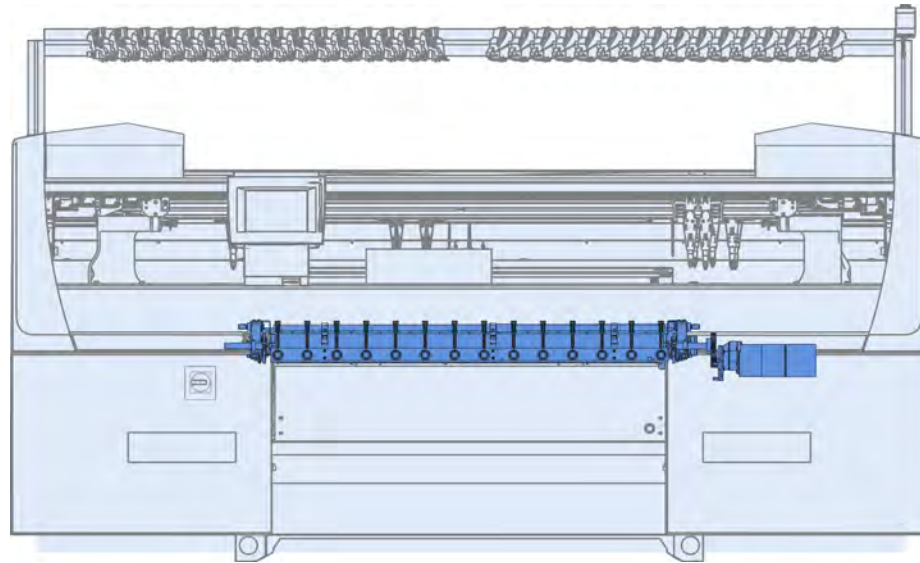


5.15.1 Cams E8.2

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	265 722	24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	265 723	25	Limiting cam E8.2	260 901
4	Entry cam at the top E10-18	256 689	26	Pointer E16-18	252 656
5	Knitting position cam E16-18 E8.2	255 027	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E16-18 E8.2	254 338
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E16-18 E8.2	254 339
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E8.2	260 902
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E16-18	256 681	32	Receiving cam E8.2	260 903
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E16-18	254 340
12	Cam guide E10-18	255 541		Raising cam with split-stitch E16-18	254 341
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E16-18 E8.2	255 028
15	Limiting cam on the left	264 051	41	Knitting position cam on the right E16-18 E8.2	255 029
16	Limiting cam on the right	264 052	49	Limiting cam middle	264 053
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
21	Selection cam E10-18	251 875			

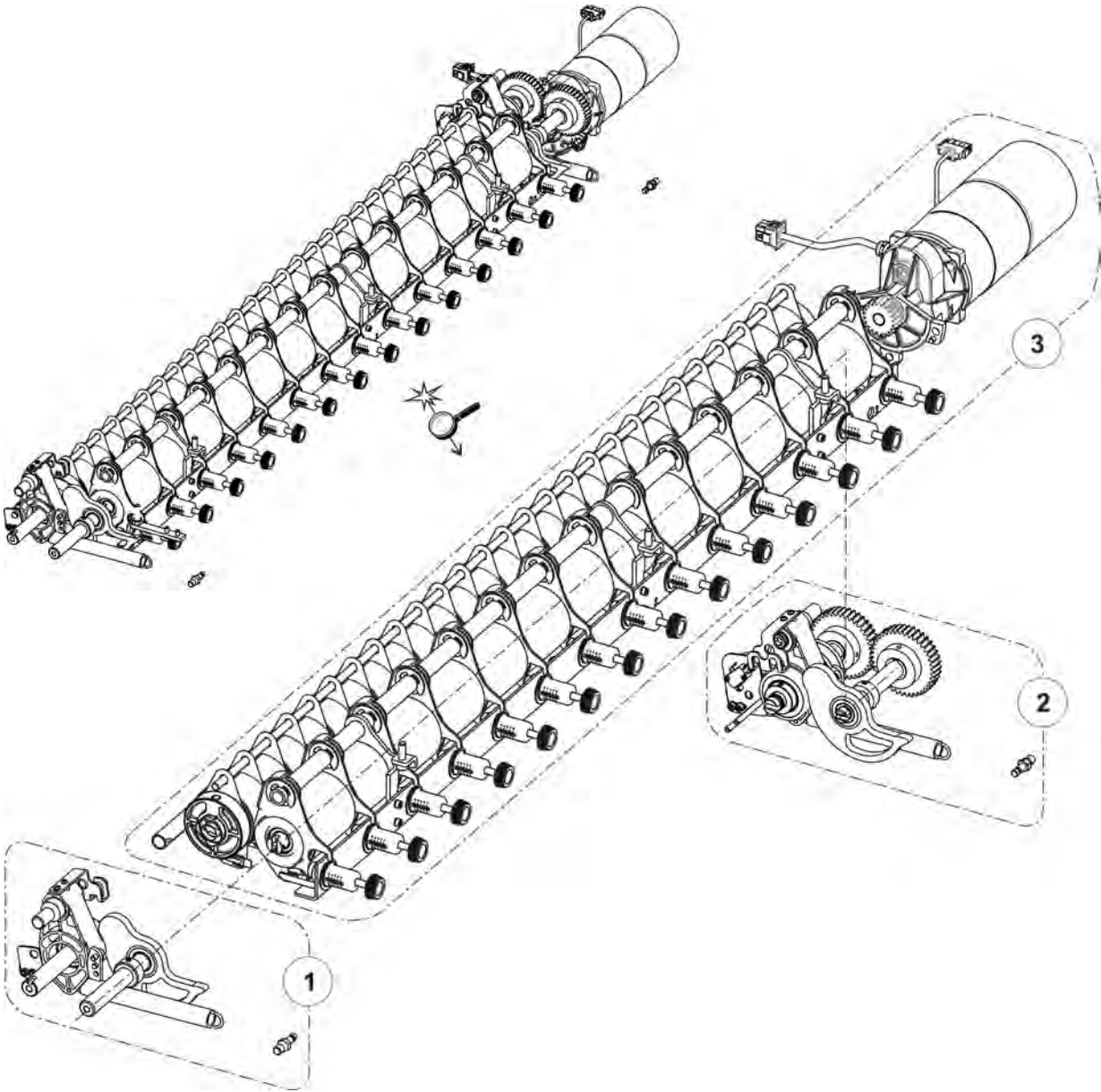


6 Main take-down



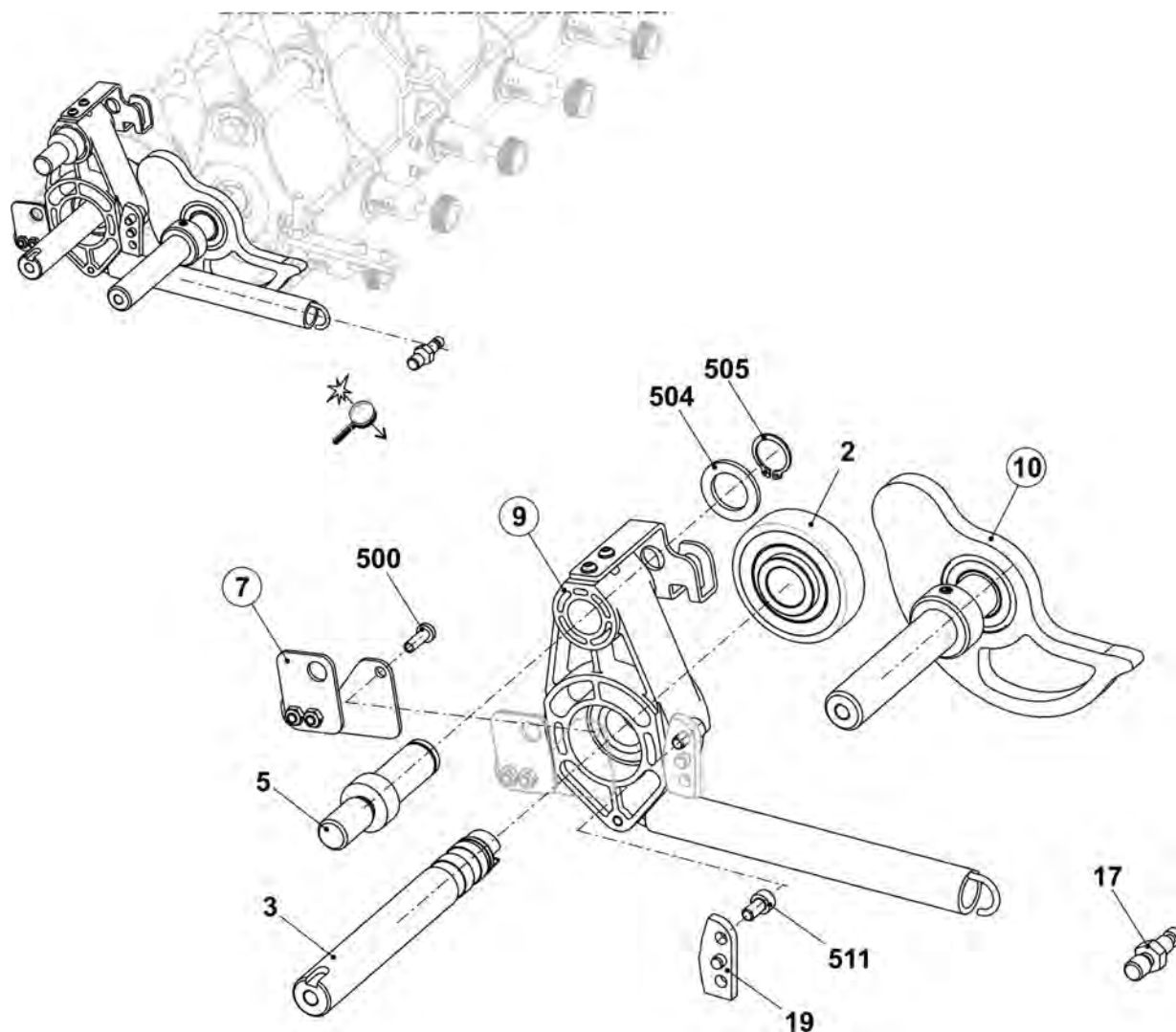
6.1 Main take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down				
1	Main take-down on the left	253 851	3	Main take-down in the middle E10 E12 E14 E7.2	253 525
2	Main take-down on the right	264 885		Main take-down in the middle E16 E18 E8.2	253 593



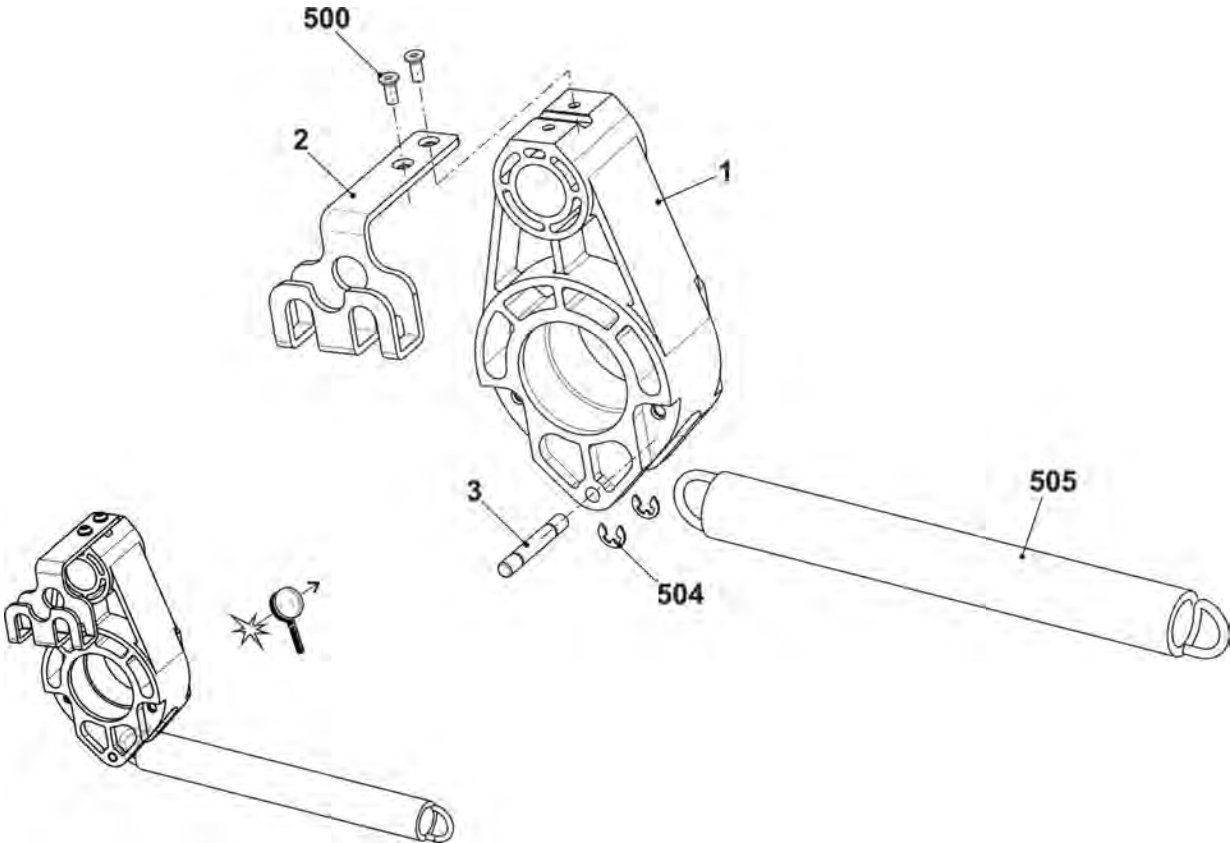
6.2 Main take-down on the left

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



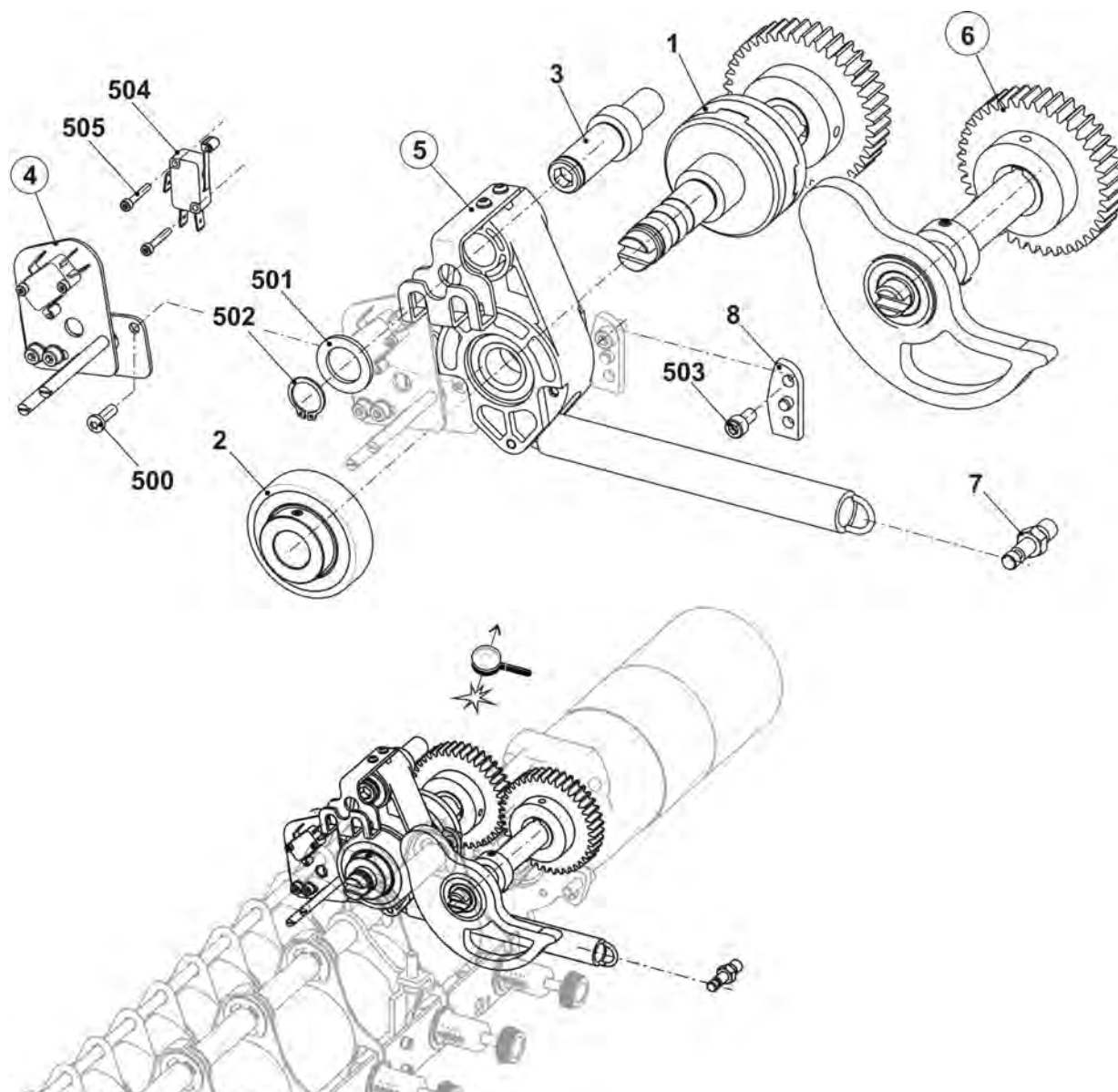
6.2.1 Swivel-mounted bearing

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



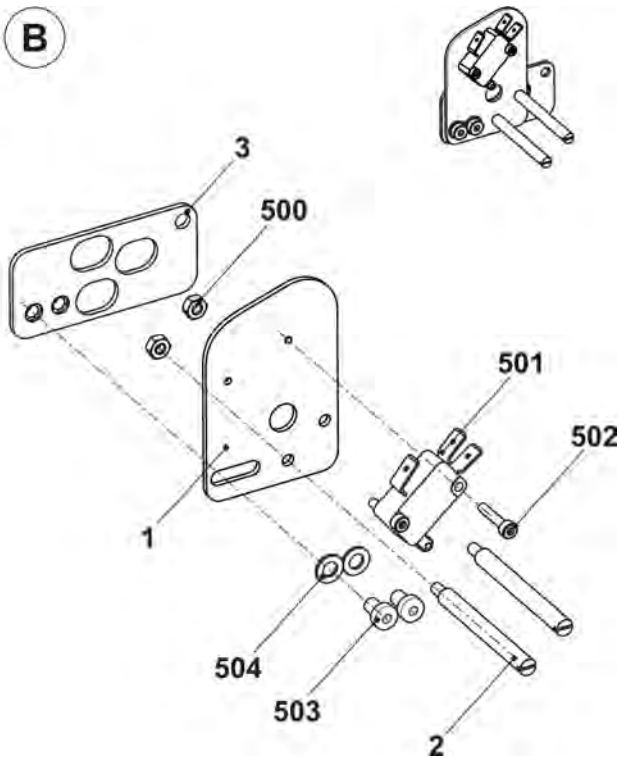
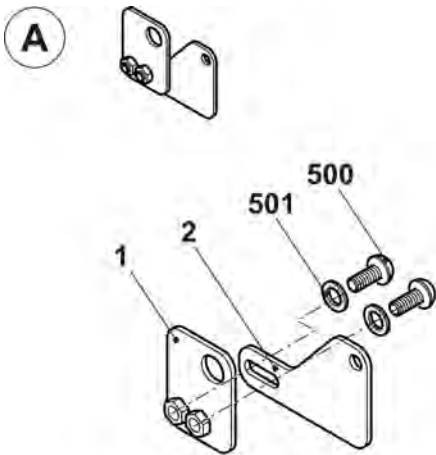
6.3 Main take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on the right	264 885			
1	Clutch set	251 677	8	Stop point	252 503
2	Bearing race complete	244 459	500	Screw 50x15	251 728
3	Bolts	208 538	501	Washer 18	023 295
4	Mounting plate on the right complete	260 090	502	Retaining ring 18x1,2	020 955
5	Swivel-mounted bearing	251 761	503	Cap screw M6x12	020 134
6	Full floating axle on the right	251 985	504	Microswitch Xgk2-s21 250	210 510
7	Spring bolt	221 143	505	Cap screw M3x20	023 221



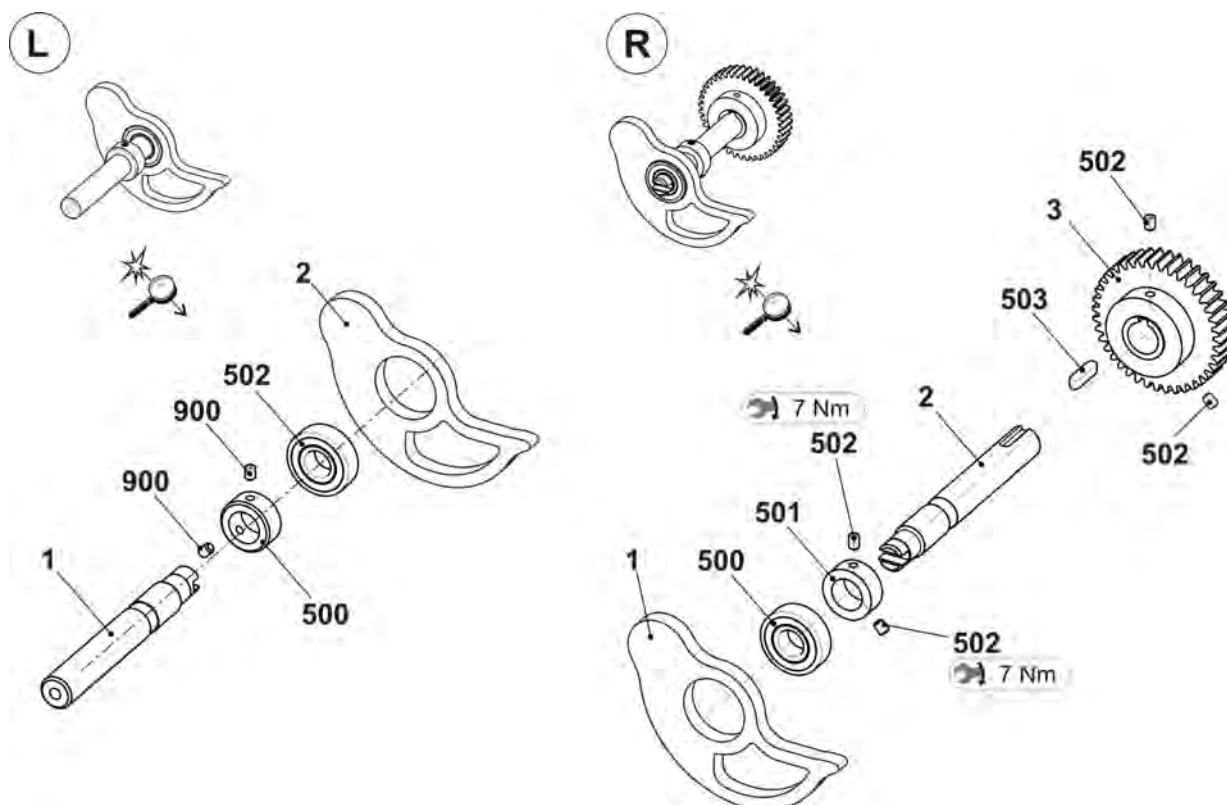
6.3.1 Mounting plate

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



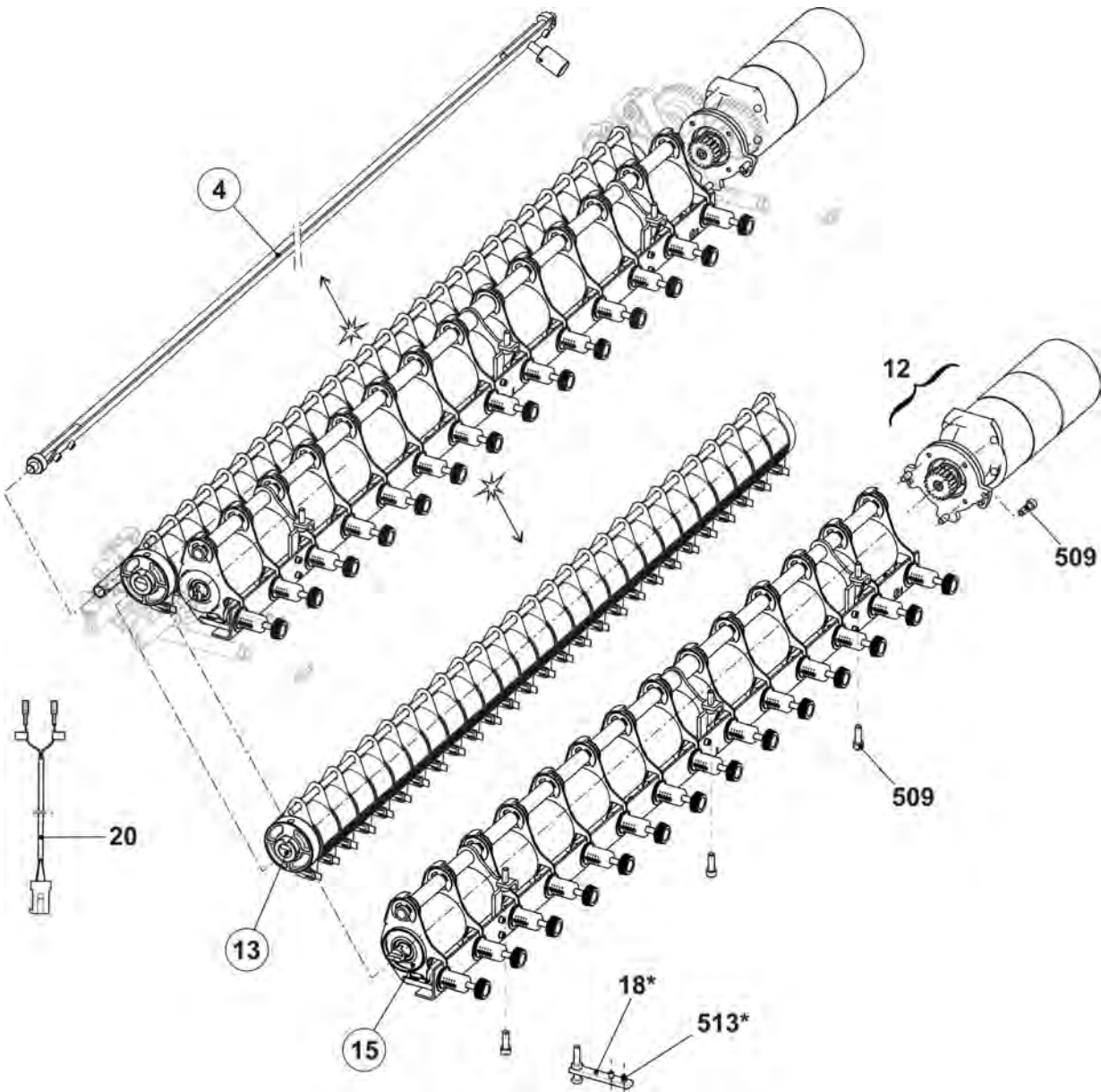
6.3.2 Full floating axle on the left and the right

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



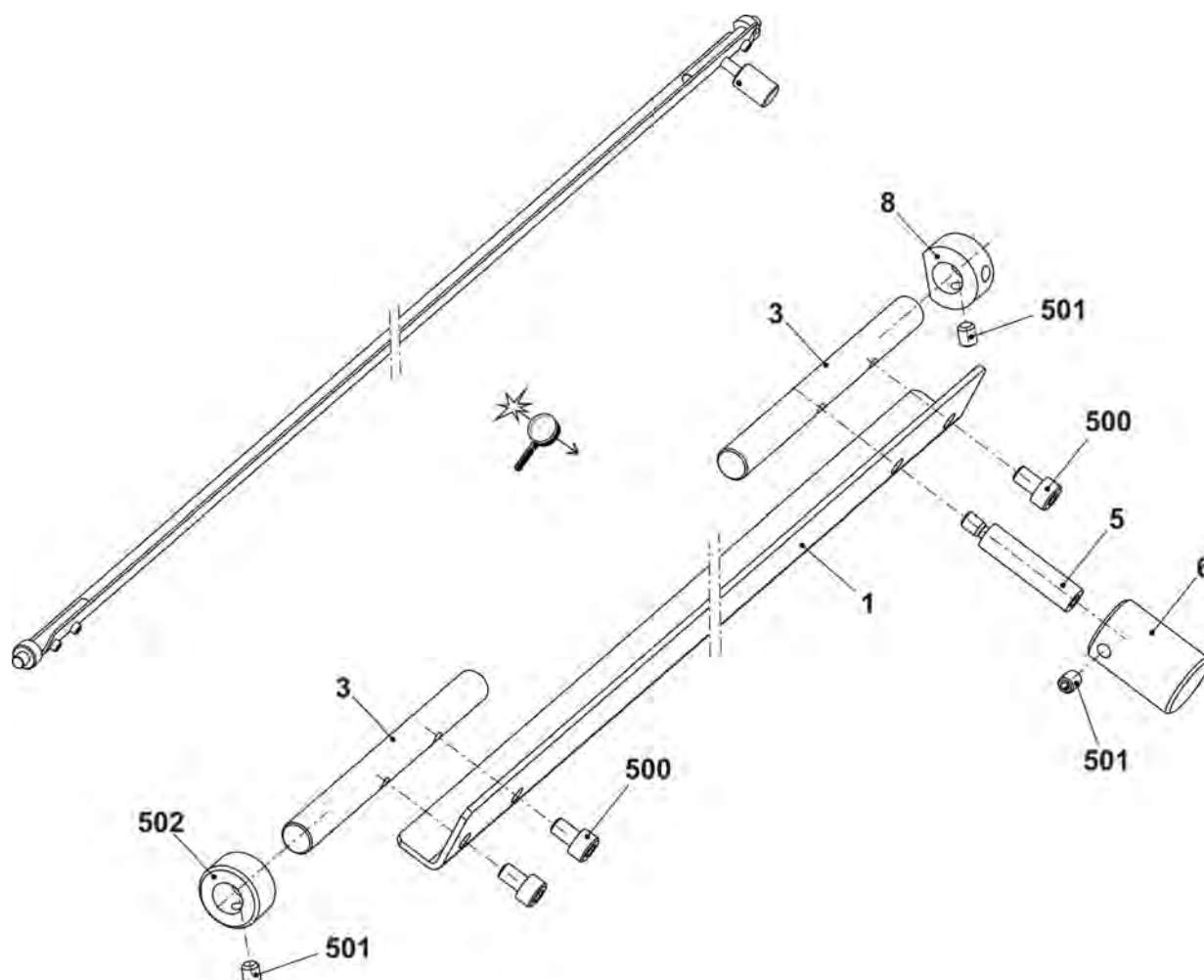
6.4 Main take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down in the middle		13	Take-down roller at the rear complete	
	E10 E12 E14 E7.2	253 525		E10 E12 E14 E7.2	253 853
	E16 E18 E8.2	253 593		E16 E18 E8.2	253 854
4	Stripper angle at the rear complete	264 119	509	Cap screw M8x25	020 142
12	Motor take-down unit complete	253 803	18*	Stop point	253 432
15	Take-down roller at the front complete	241 426	513*	Pan-head screw M6x16	023 124
20	Connection cable winding plate	241 703			



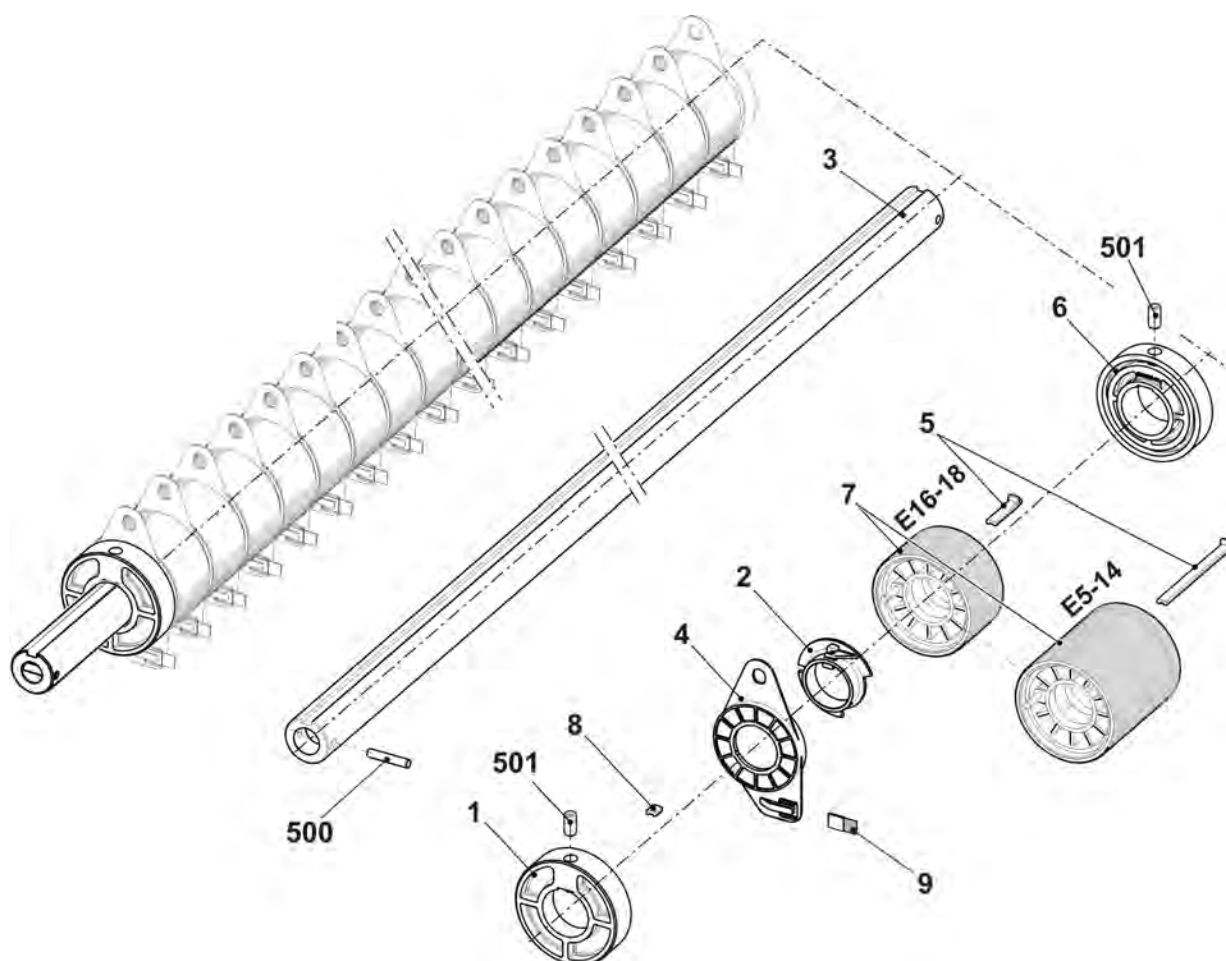
6.4.1 Stripper angle

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



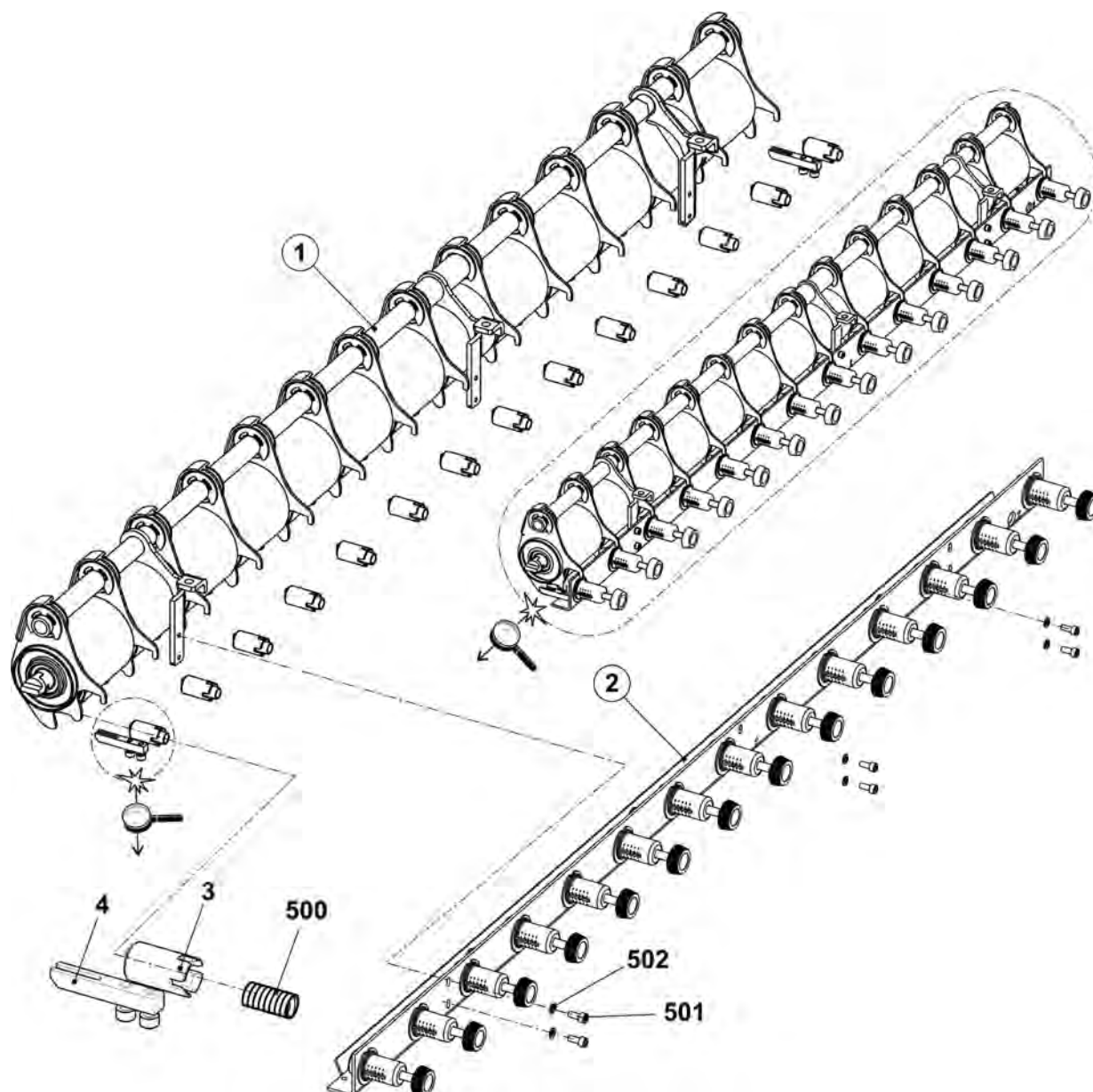
6.4.2 Rear take-down roller

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the rear complete		6	Ring on the right	255 831
	E10 E12 E14 E14/12 E12m.10 E7.2	253 853	7	Roller E5-14	264 624
	E16 E18 E8.2	253 854		Roller E16-18	231 400
1	Ring on the left	255 830	8	Spacer slide	222 062
2	Stop ring on the left	204 369	9	Brush	225 819
3	Shaft	221 011	12	Rod	253 301
4	Stripper	241 612	500	Dowel pin 6x32	020 685
5	Spacer slide(E5-14)	264 669	501	Setscrew M8x16	258 910
	Spacer slide(E16-18)	240 104			

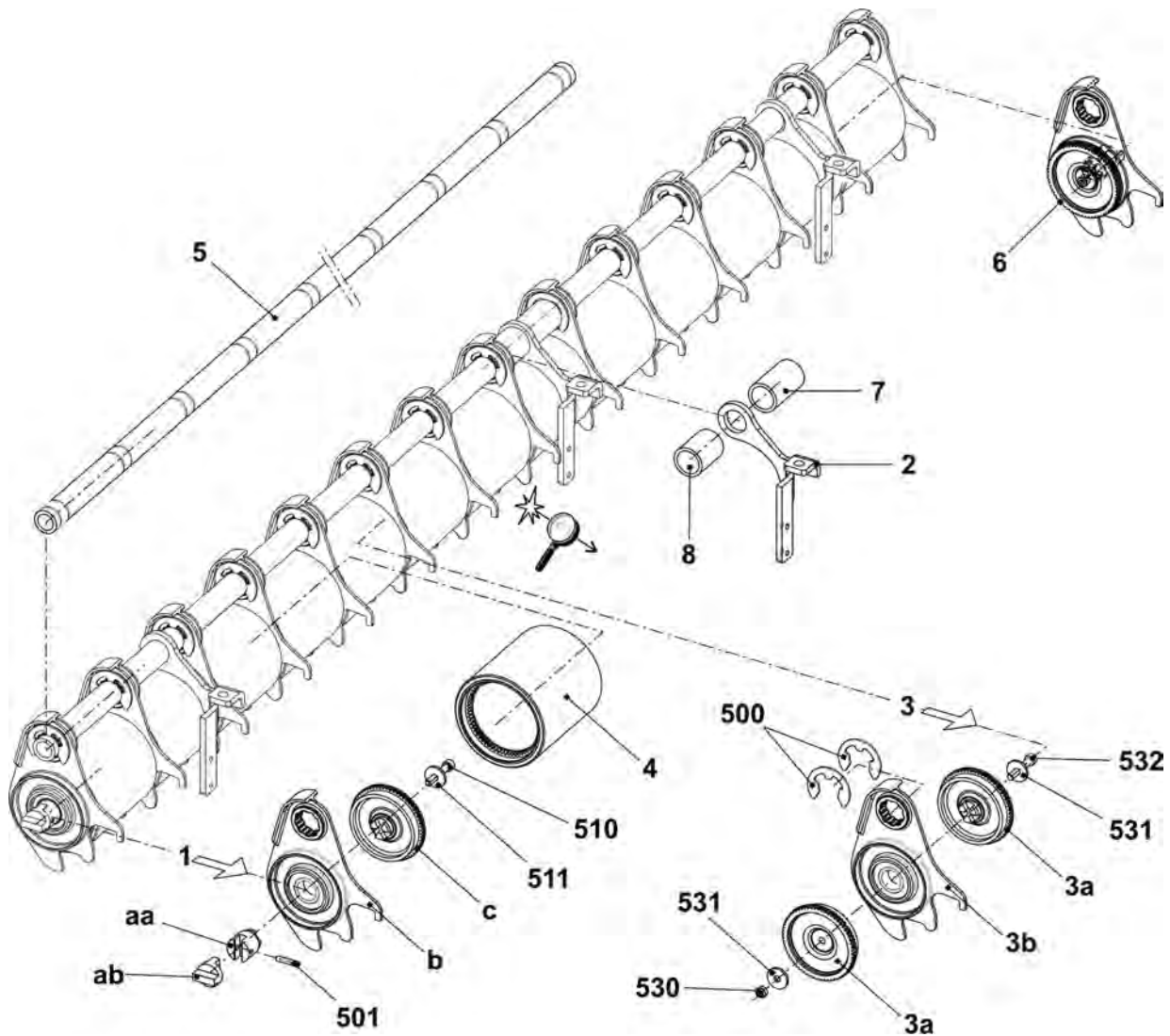


6.4.3 Front take-down roller

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

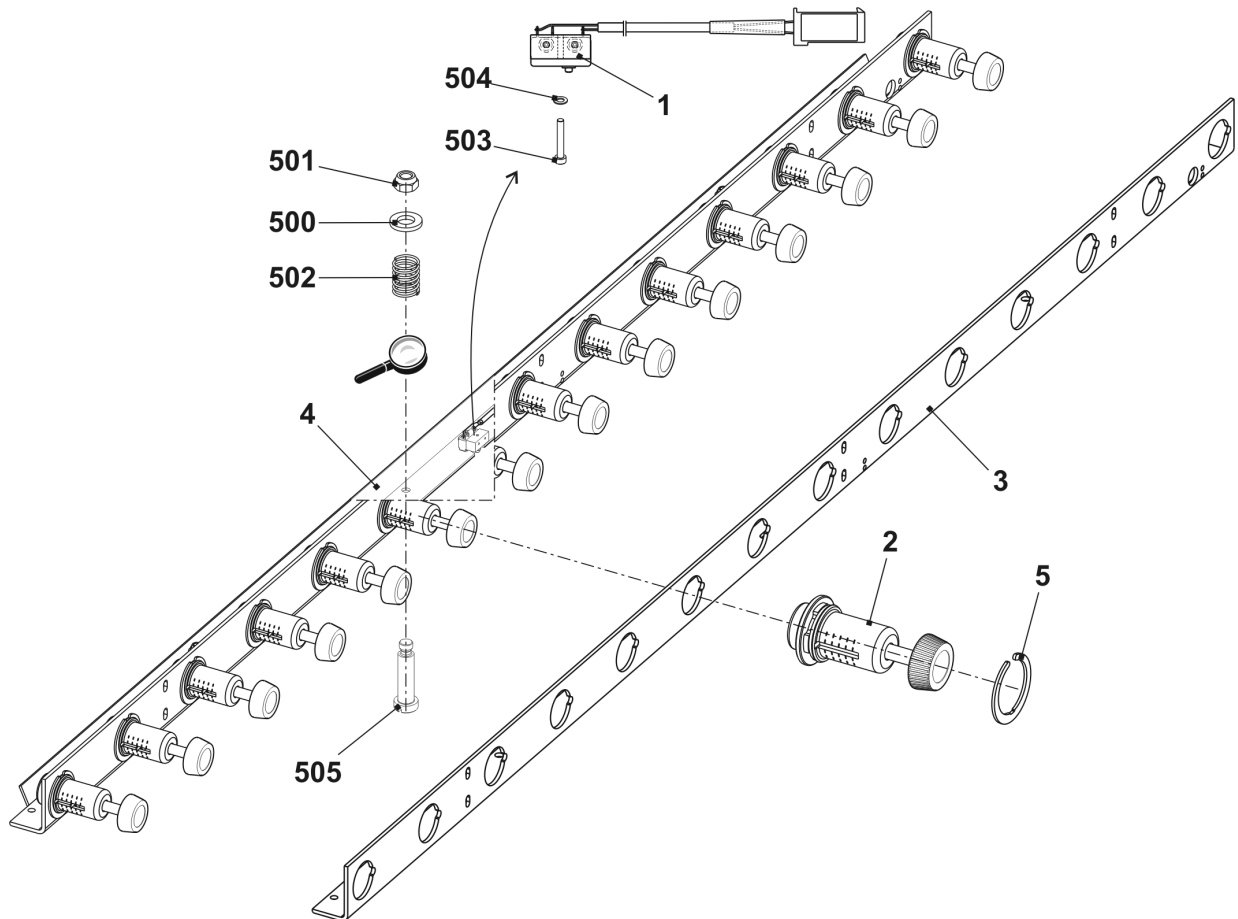


Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the front	221 243			
1	Bearing support on the left complete	221 225	4	Roller	220 905
	aa Universal joint	221 137	5	Tube	221 092
	ab adaptor	221 132	6	Bearing support on the right complete	221 240
	b Bearing support	220 913		aa Universal joint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



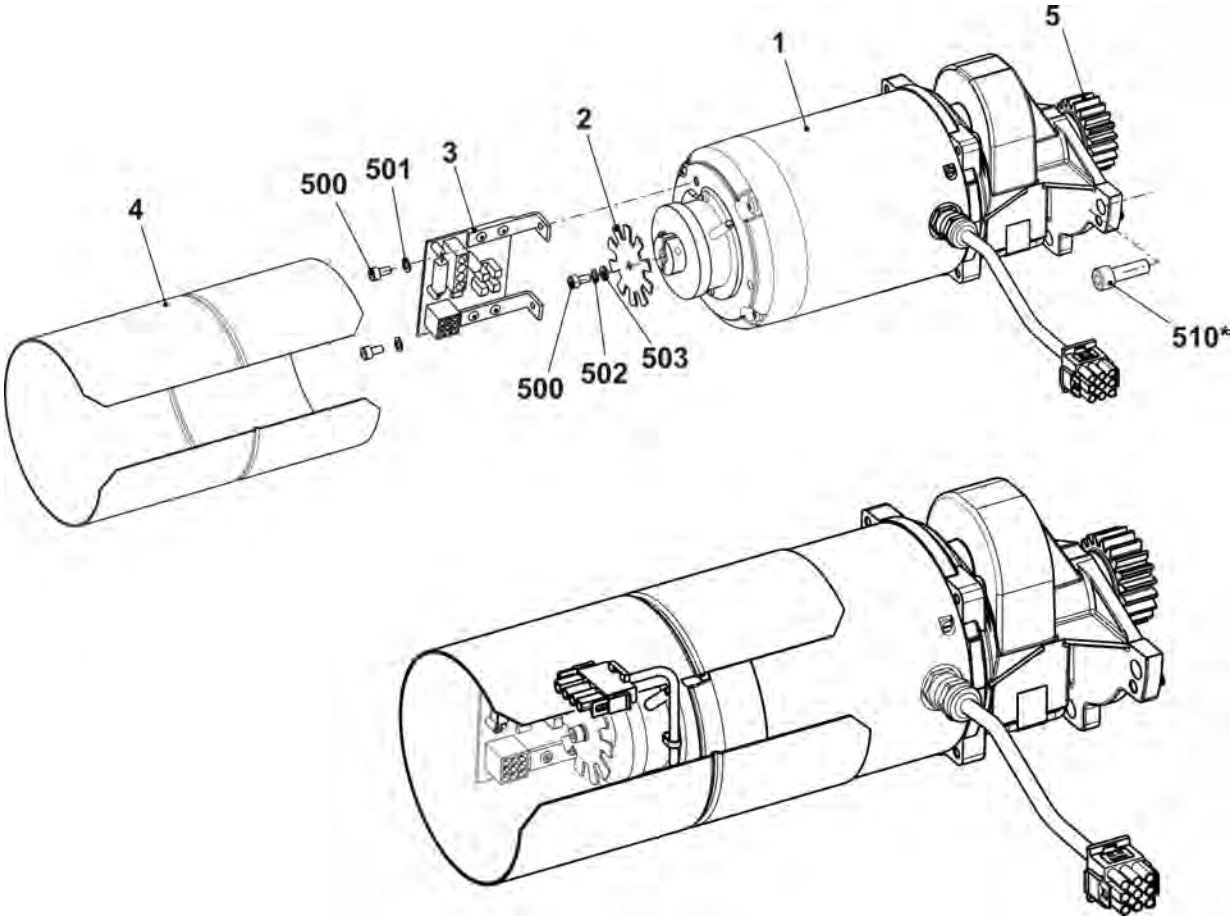
6.4.3.2 Pressure angle rail

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

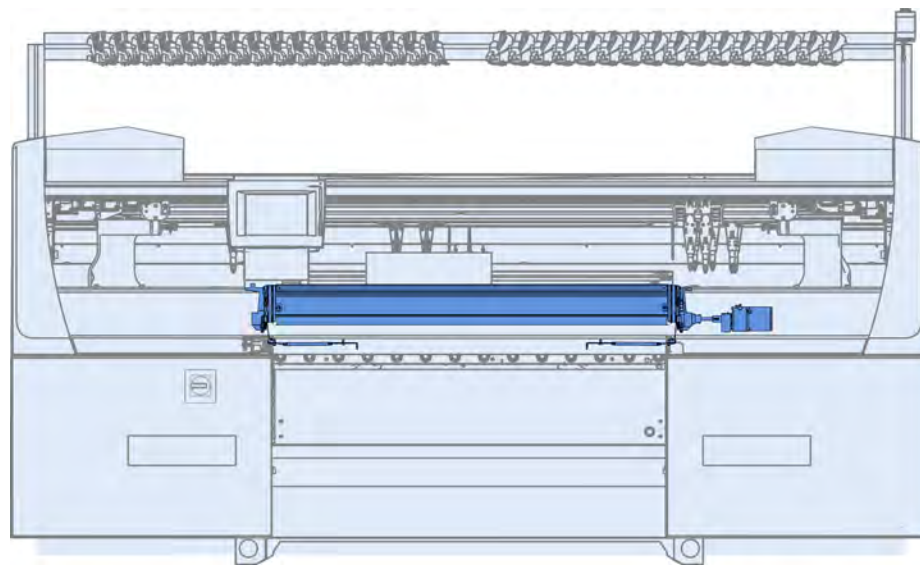


6.4.4
Impulse sensor and motor

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

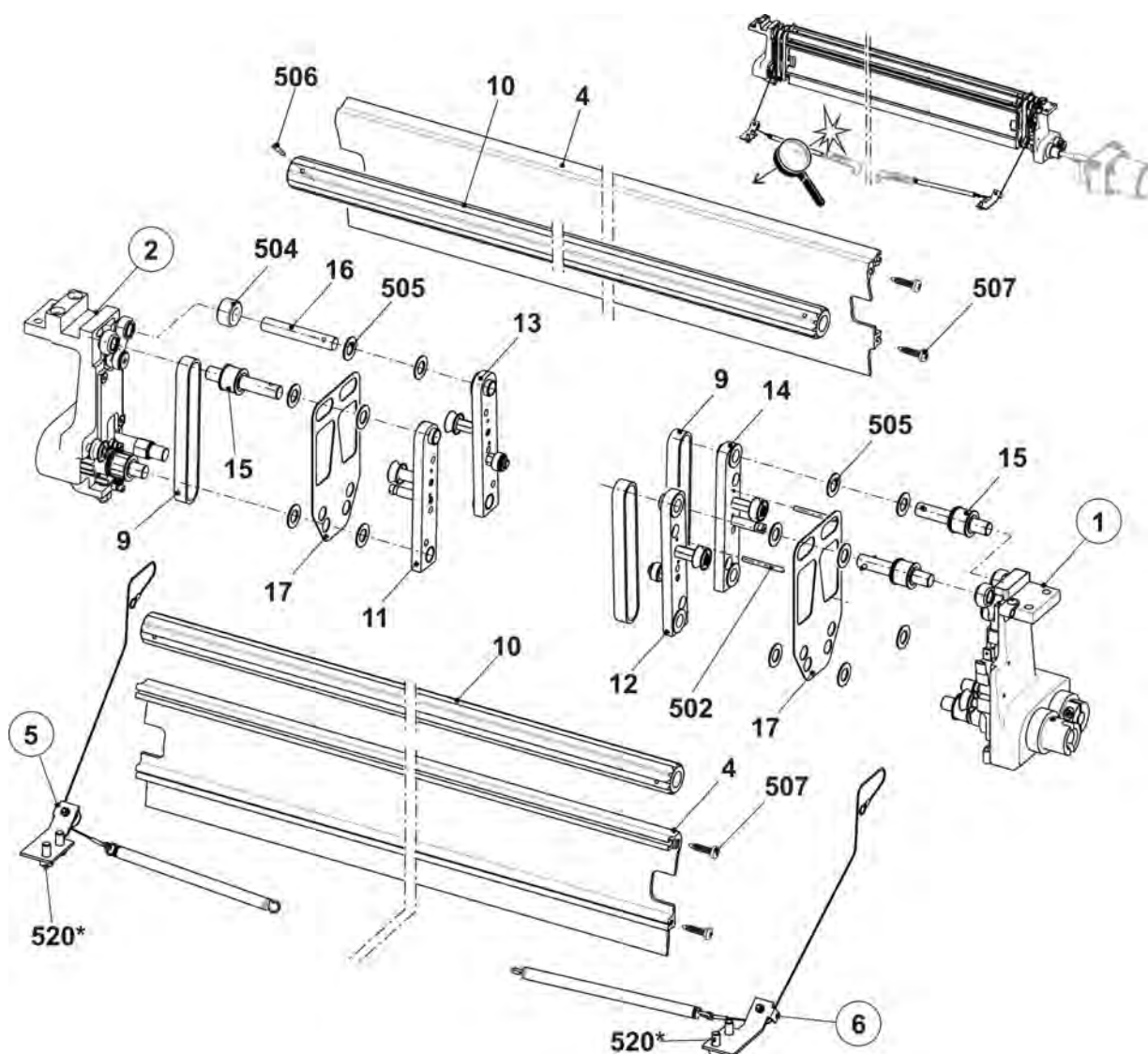


7 Auxiliary Take-down



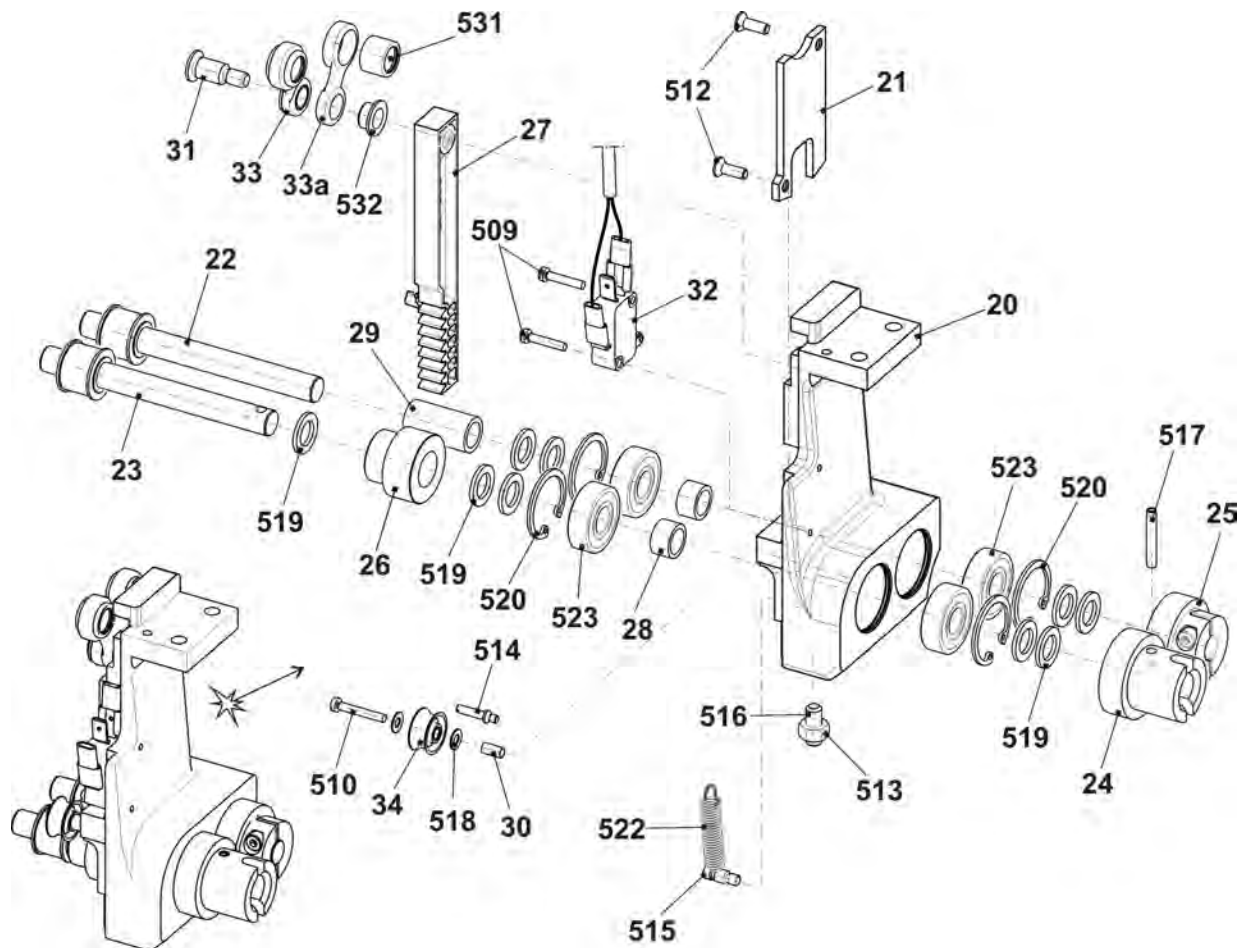
7.1 Auxiliary take-down pre-assembled

Pos	Designation	Id	Pos	Designation	Id
Σ	Auxiliary take-down pre-assembled	254 061			
1	Bearing on the right complete	239 996	14	Lever at the rear on the right	227 260
2	Bearing on the left complete	239 999	15	Toothed belt pulley complete	226 708
4	Guide plate	213 362	16	Bolts	227 914
5	Metal angle on the left complete	225 013	17	Protective plate	225 754
6	Metal angle on the right complete	225 014	502	Shoulder screw M3x27x32	023 634
9	Toothed belt 10T5/260	208 832	504	Set collar	020 934
10	Take-down roller	224 891	505	Stop disk	023 646
11	Lever at the front on the left	227 263	506	Spring dowel sleeve 3x20	020 776
12	Lever at the front on the right	227 262	507	Sheet metal screw St4,8x22-C	023 259
13	Lever at the rear on the left	227 261	520*	Cap screw M6x16	020 135



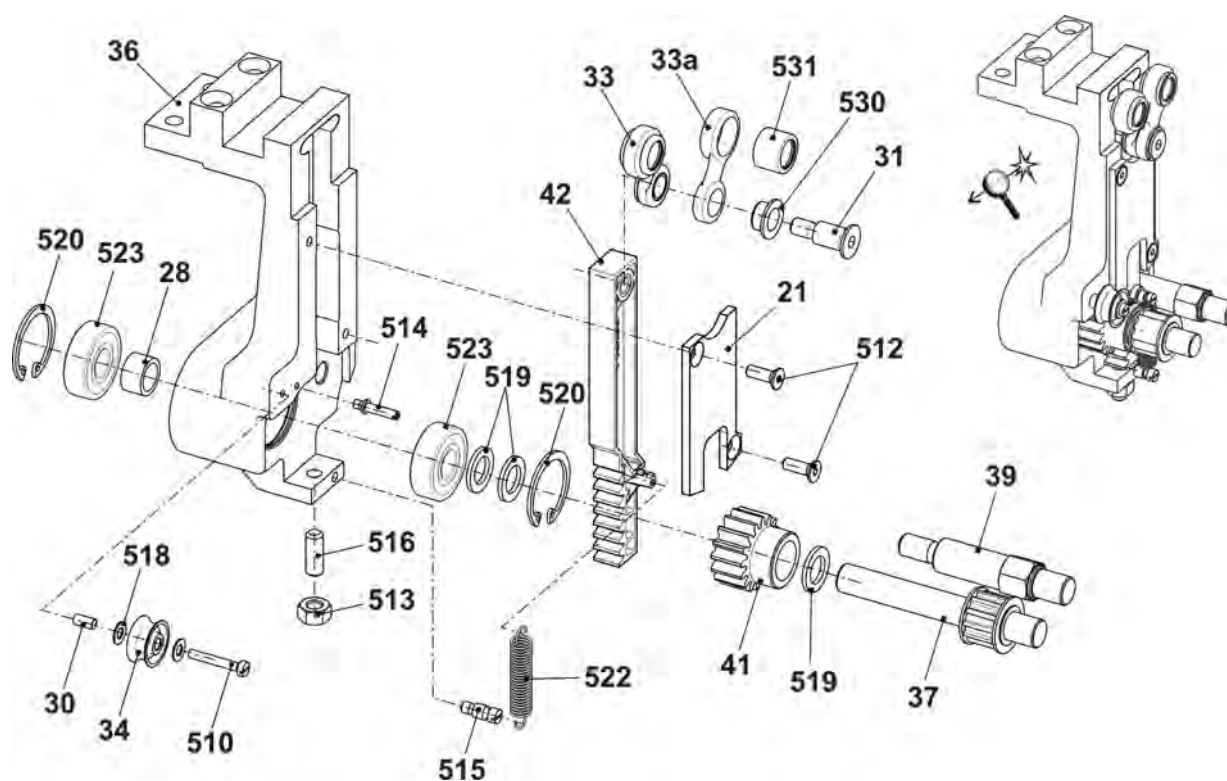
7.1.1 Right bearing of the auxiliary take-down

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



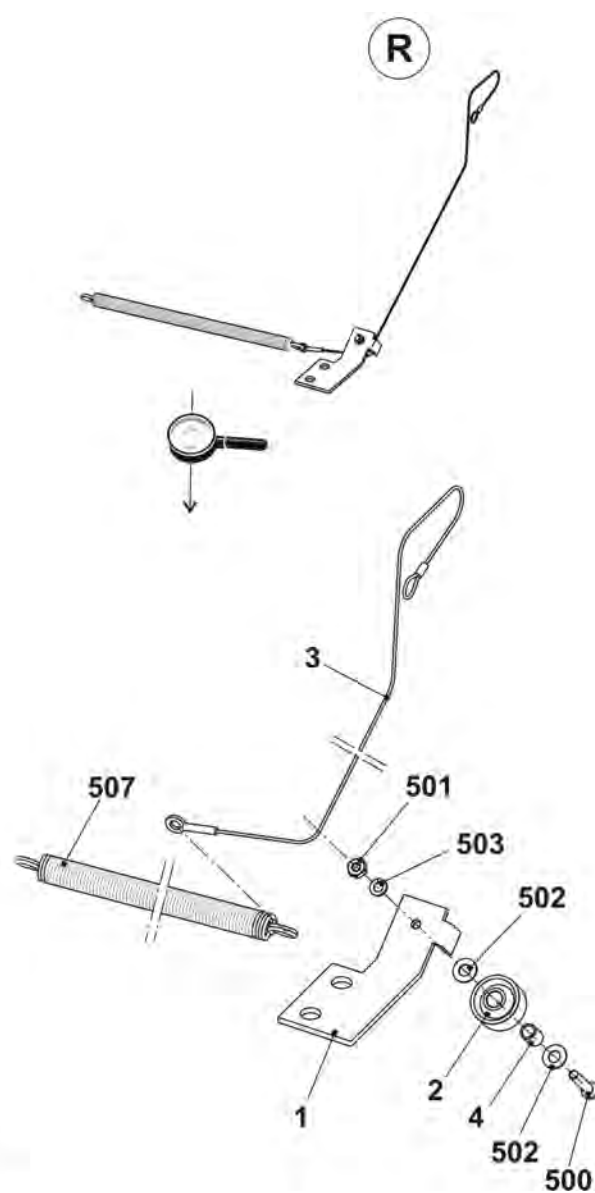
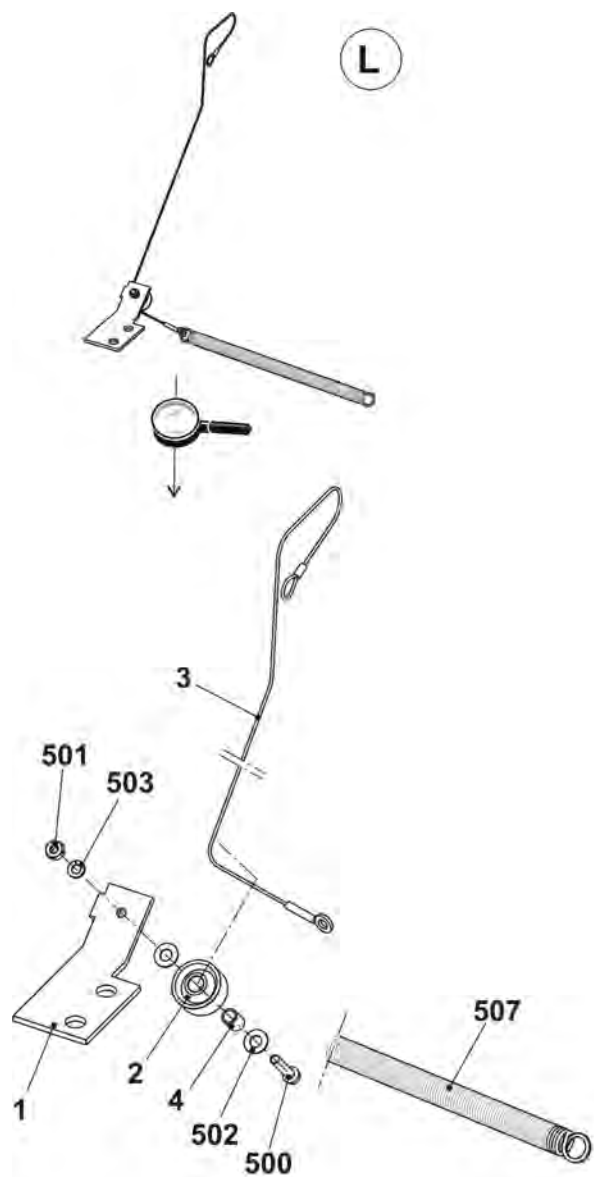
7.1.2 Left bearing of the auxiliary take-down

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



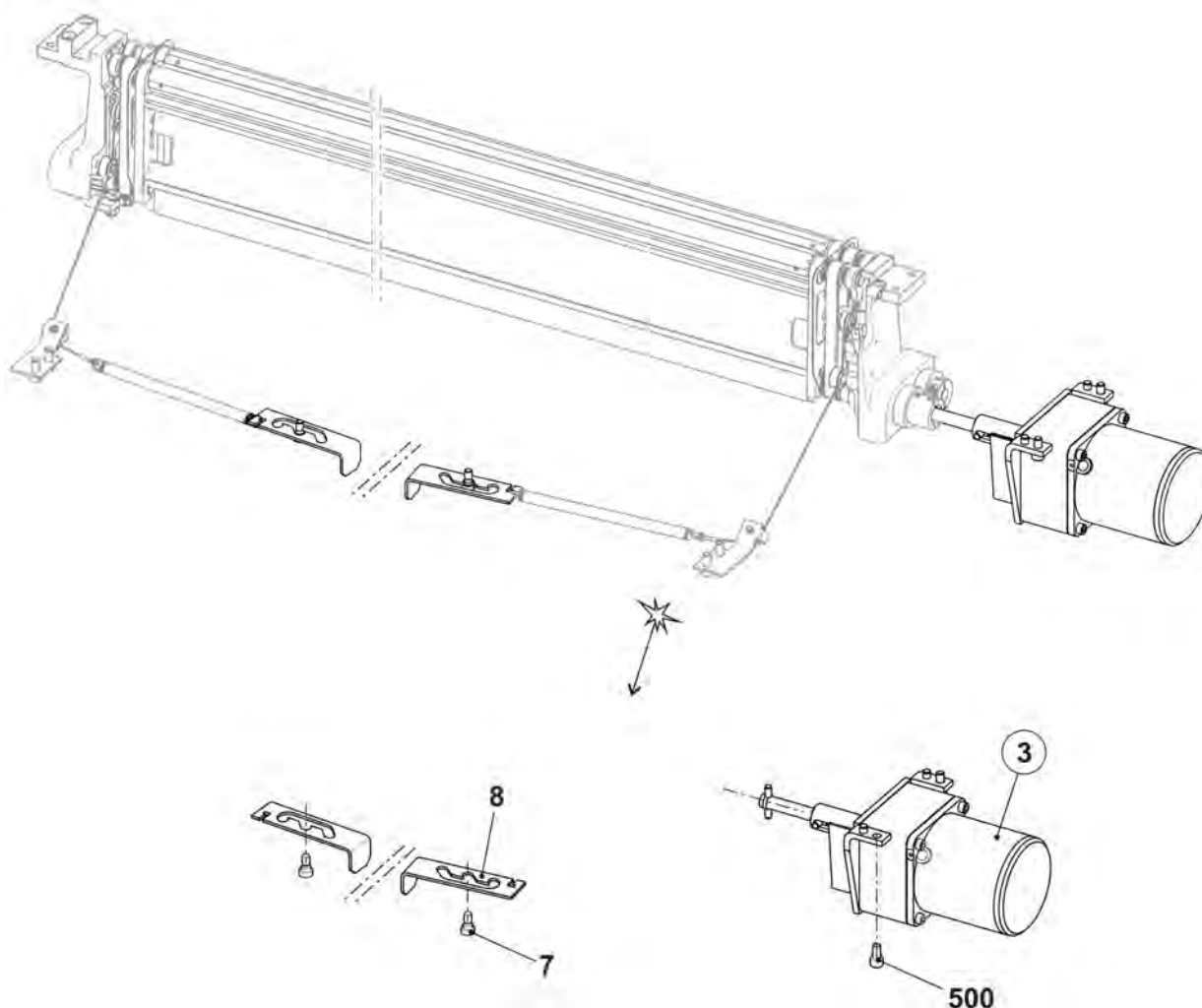
7.1.3 Metal angle on the left and right complete

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



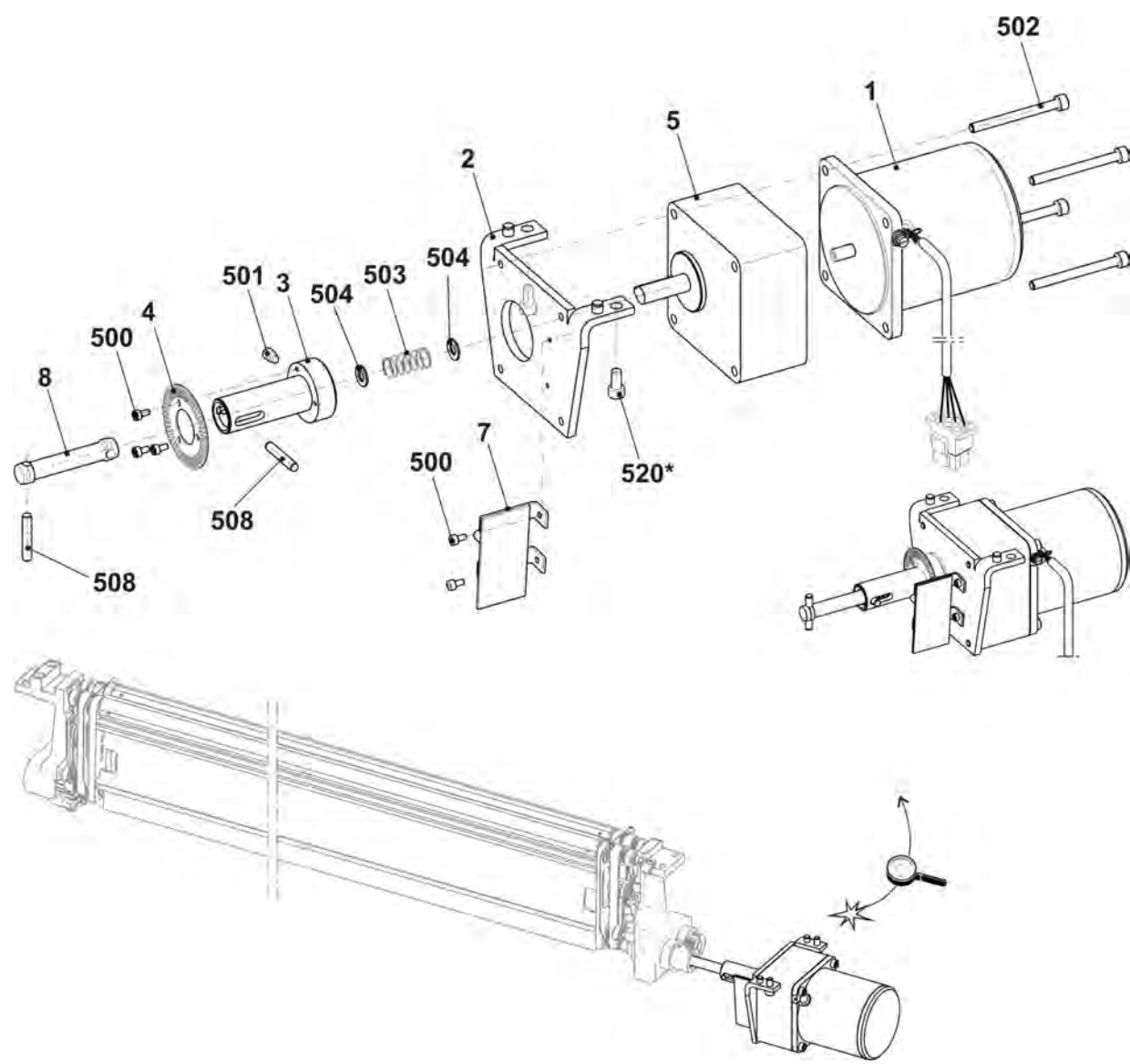
7.2 Auxiliary take-down in the middle

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



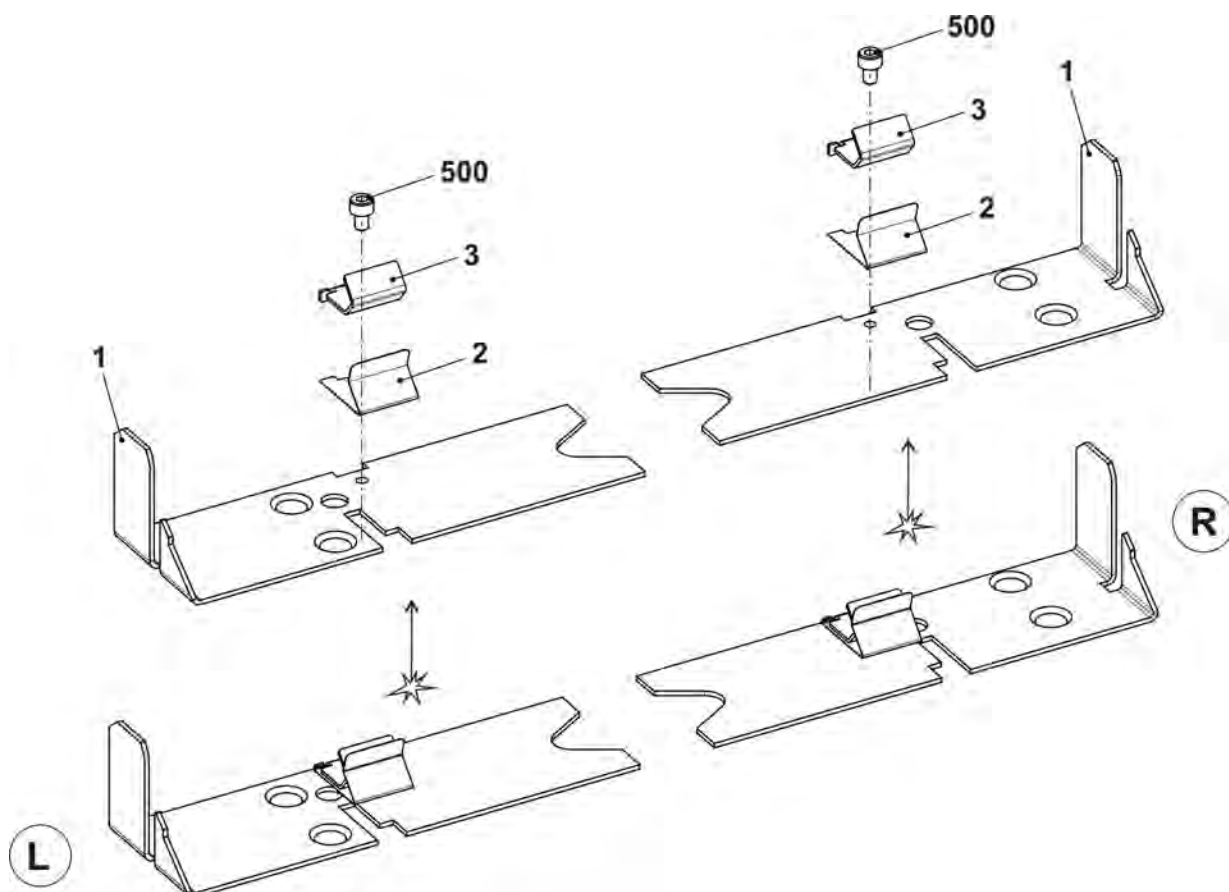
7.3 Motor

Pos	Designation	Id	Pos	Designation	Id
Σ	Motor auxiliary take-down complete	214 449			
1	Motor auxiliary take-down	213 871	500	Cap screw M3x6	022 589
2	Motor bracket	218 040	501	Setscrew M6x10	023 543
3	Drive sleeve	219 024	502	Cap screw M5x55	023 321
4	Impulse disc	218 449	503	Compression spring 0,63x10,97x40	023 500
5	Gear unit 4GN36K	220 353	504	Shim ring 6x12x1	023 444
7	Light barrier Auxiliary take-down	217 462	508	Dowel pin5x28	241 686
8	Shaft	219 025	520*	Cap screw M6x12	020 134

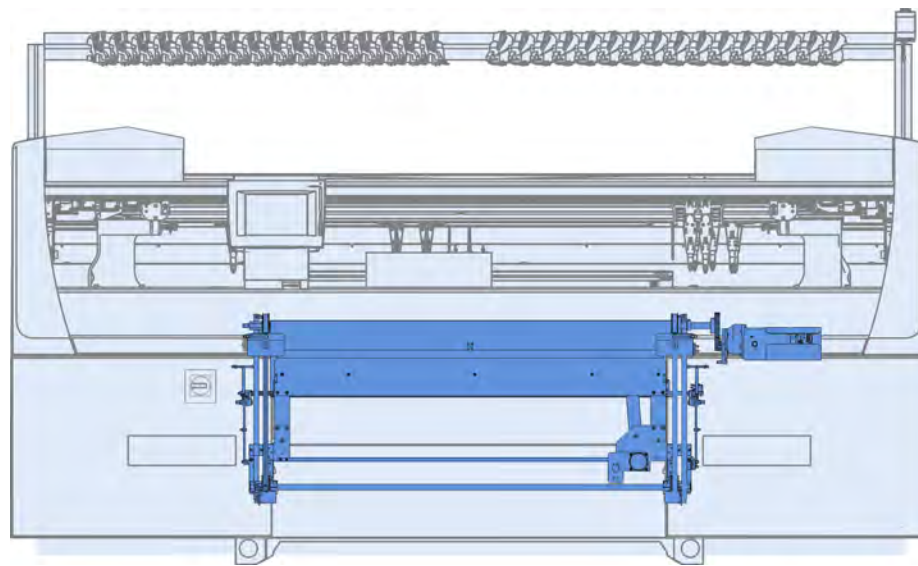


7.4 Yarn brake at clamping and cutting bed

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

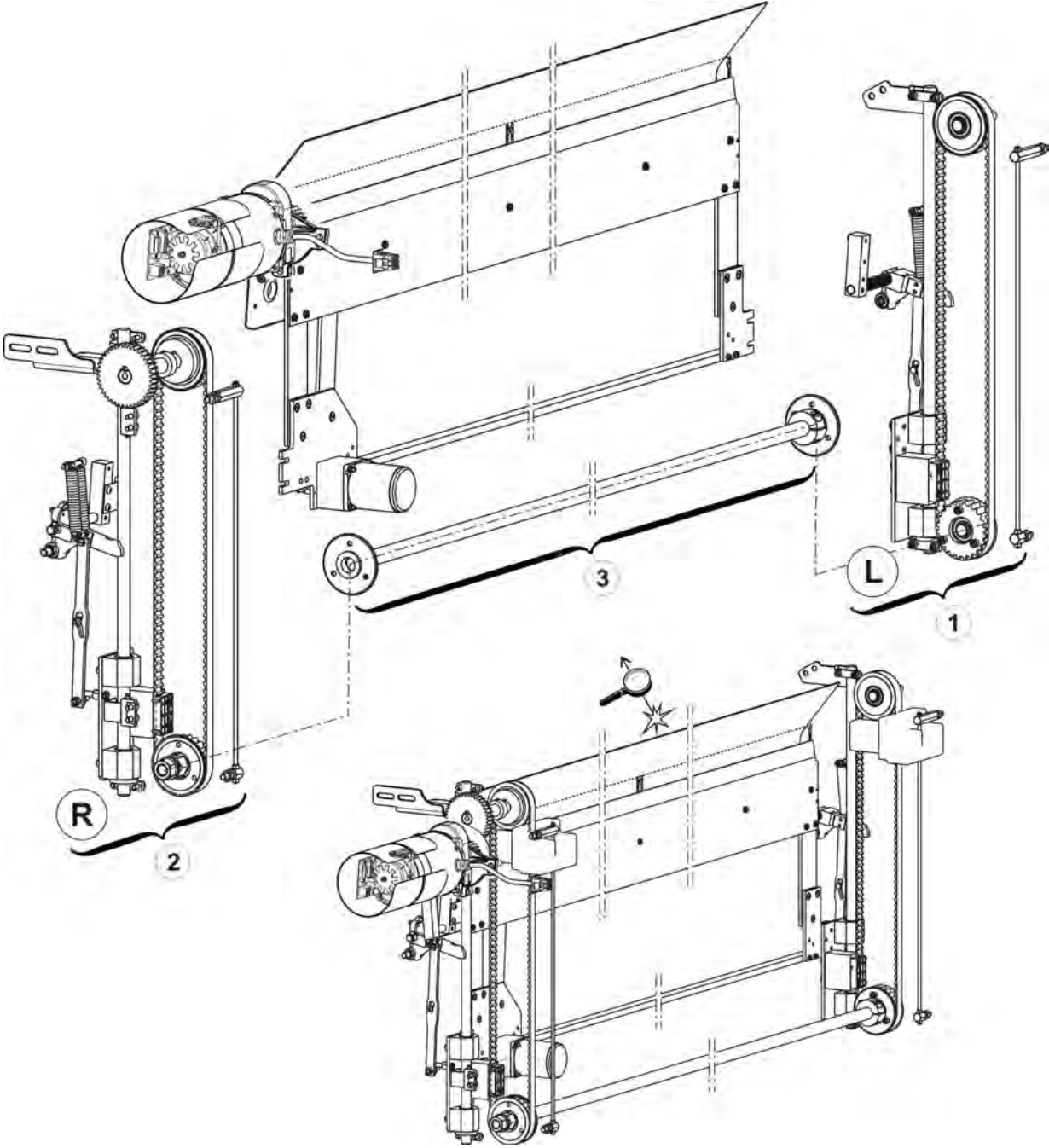


8 Comb Take-down



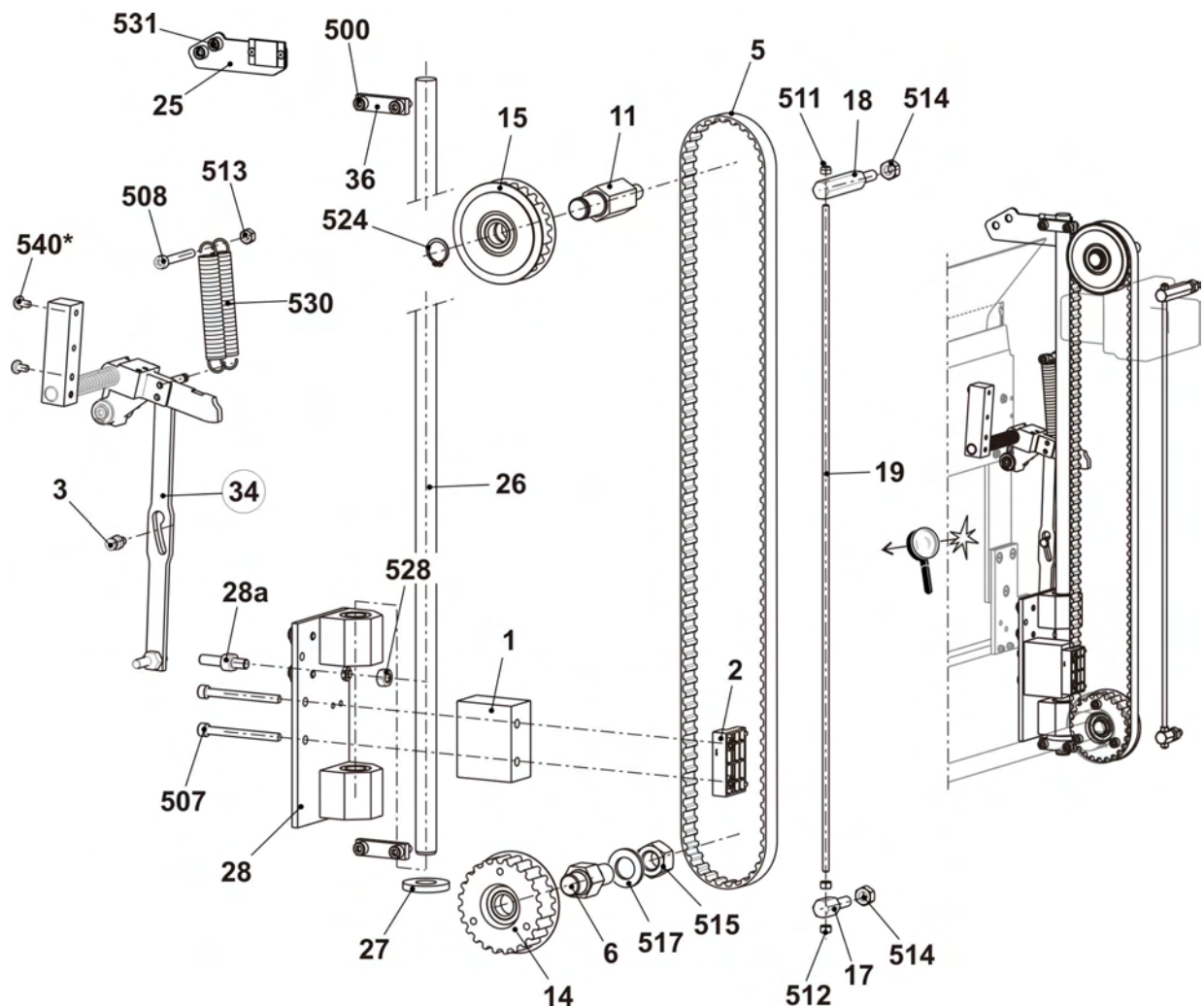
8.1 Comb Take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down			Comb take-down in the middle E10	253 589
1	Comb take-down on the left	256 834		Comb take-down in the middle E14 E7.2	253 590
2	Comb take-down on the right	256 835		Comb take-down in the middle E16 E8.2	253 591
3	Comb take-down in the middle E12	253 522		Comb take-down in the middle E18	253 592



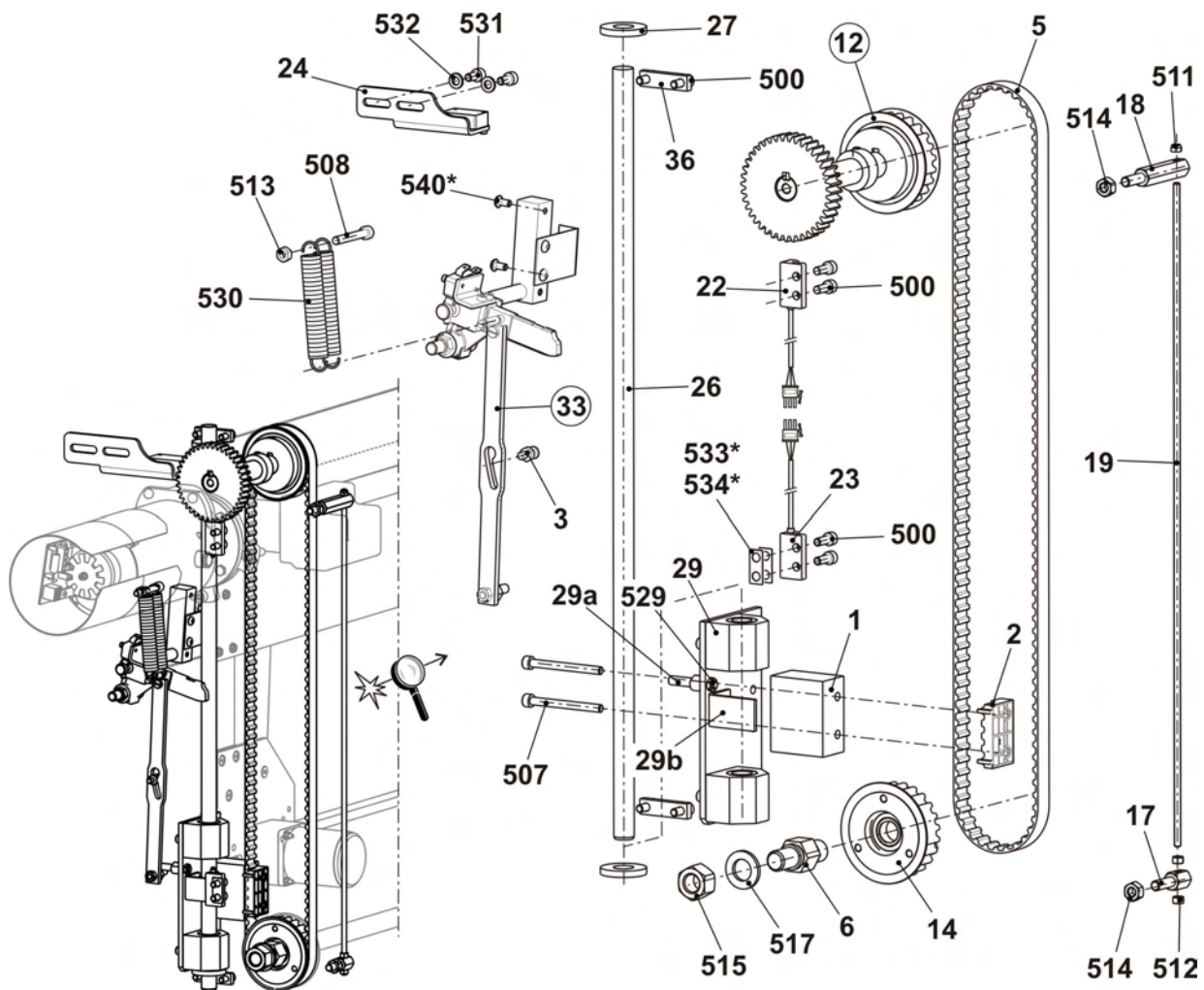
8.2 Comb take-down on the left

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



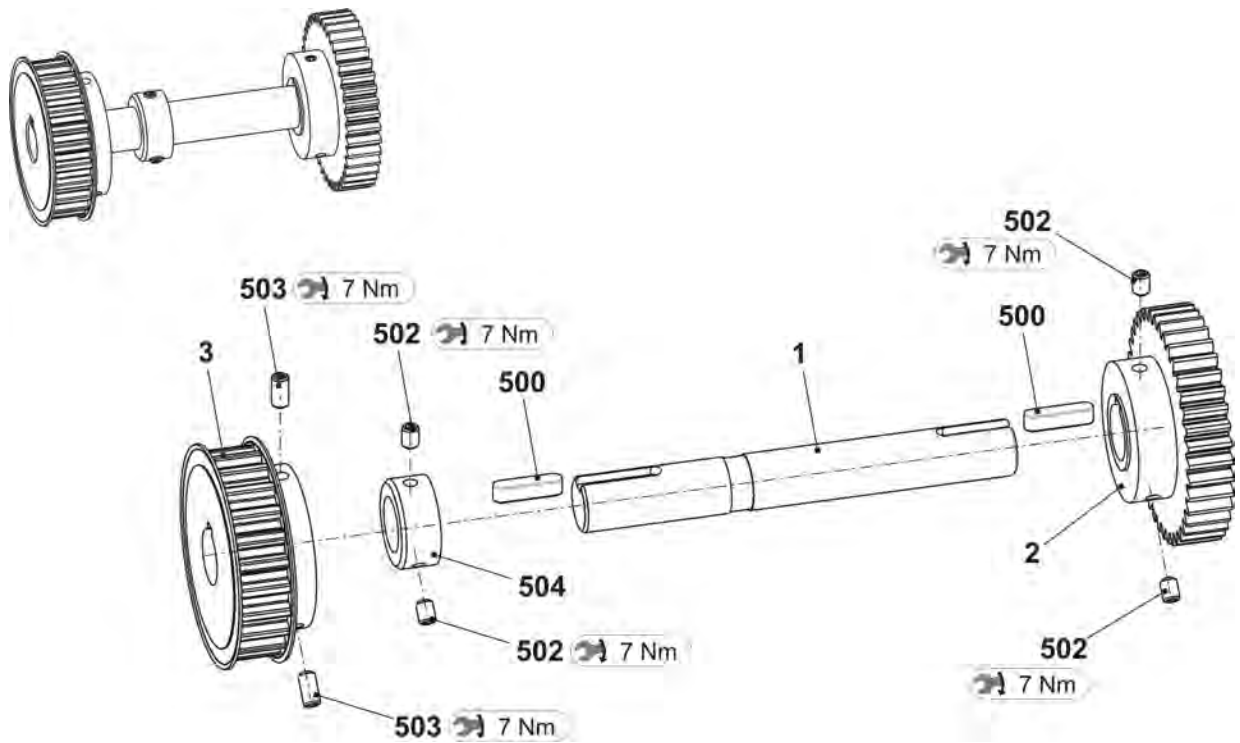
8.3 Comb take-down on the right

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



8.3.1 Drive shaft of comb

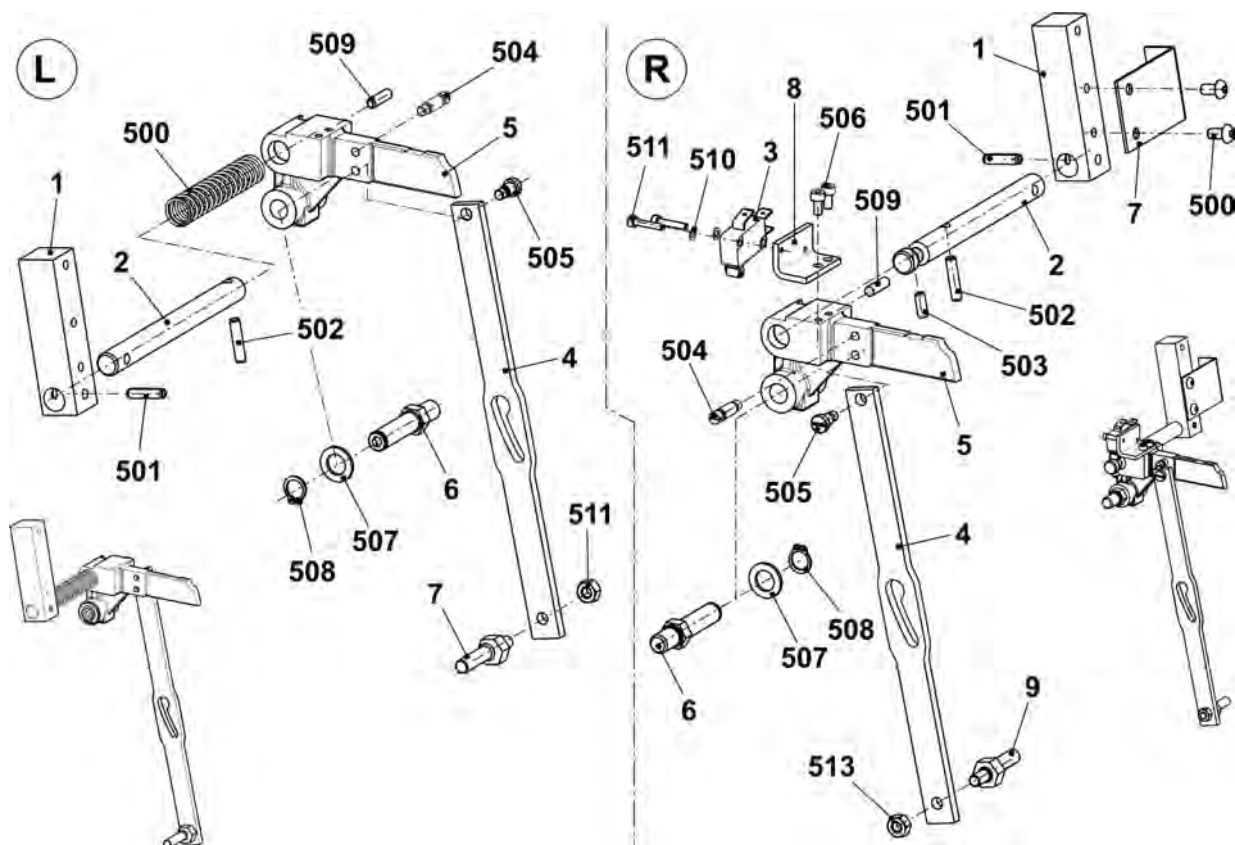
Pos	Designation	Id	Pos	Designation	Id
Σ	Drive shaft comb complete	214 583			
1	Shaft	213 969	500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744	502	Setscrew M6x8	022 684
	Always order position 502 additionally		503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394	504	Set collar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



8.3.2 Swivel lever comb take-down

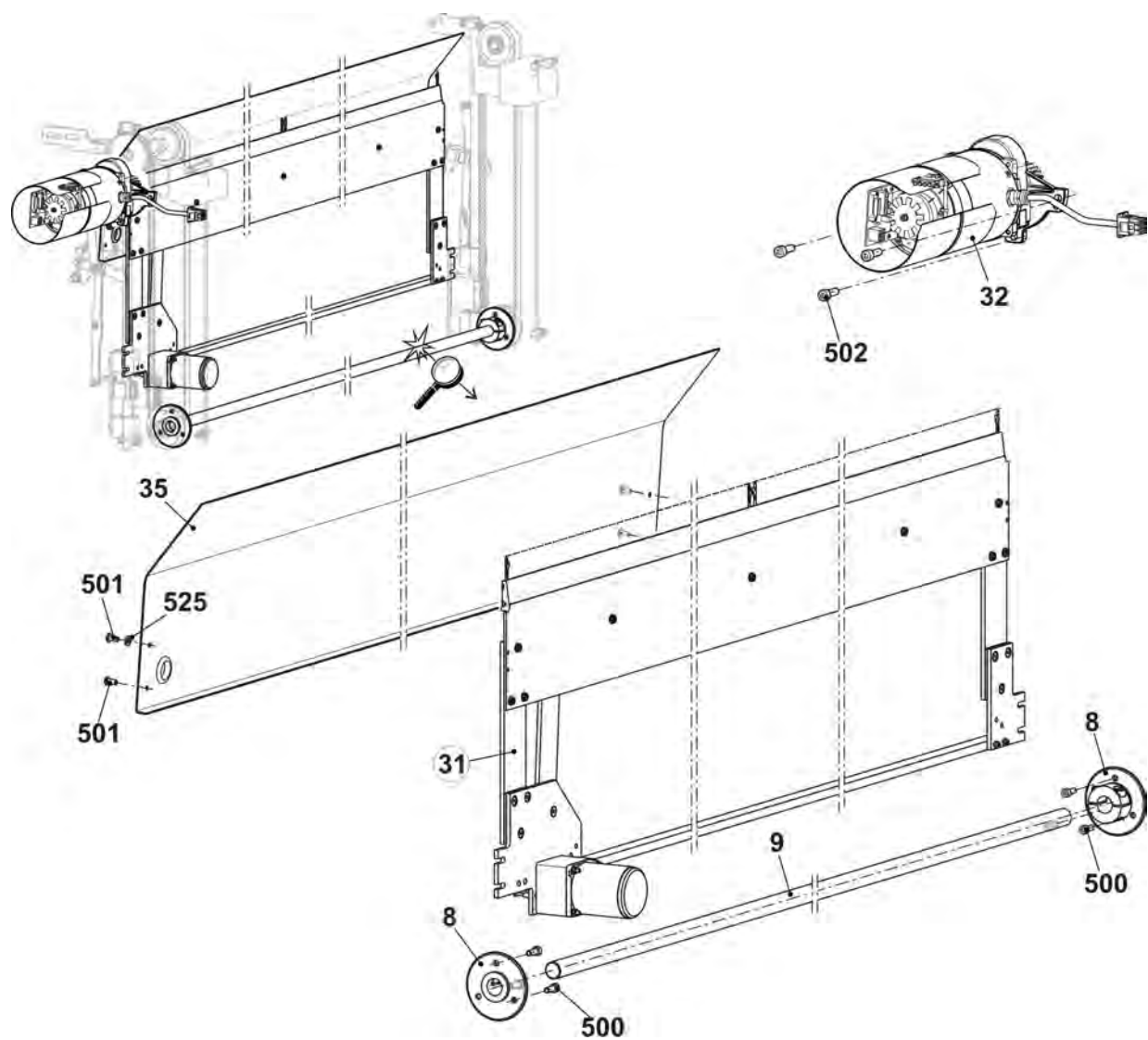
Pos	Designation	Id
Σ L	Swivel lever on the left	252 859
1	Support	252 780
2	Shaft	223 994
4	Plunger	255 650
5	Swivel lever	239 248
6	Bolts	214 053
7	Eccentric bolt	255 651
500	Compression spring 1,4x13,6x93	023 572
501	Spring dowel sleeve Iso8752-5x20	020 794
502	Dowel pin5x22	023 716
504	Shoulder screwM5x29x35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

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



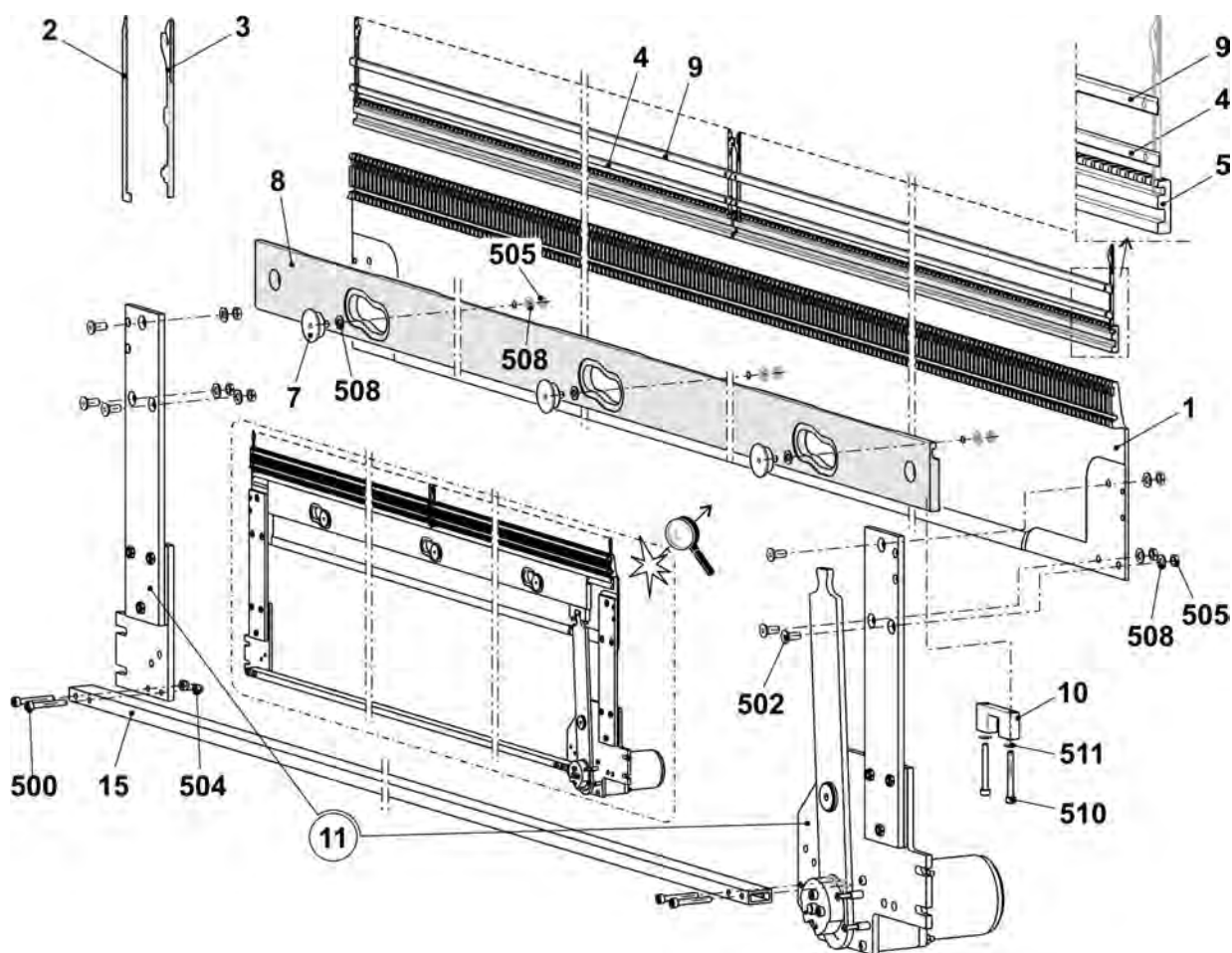
8.4 Comb take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down in the middle		31	Comb unit	
	E10	253 589	E10		241 533
	E12 E12m.10	253 522	E12 E12m.10		240 061
	E14 E14/12 E7.2	253 590	E14 E14/12 E7.2		241 534
	E16 E8.2	253 591	E16 E8.2		241 535
	E18	253 592	E18		241 536
8	Flange	207 695	32	Motor take-down unit complete	253 803
9	Shaft long	213 968	35	Marking plate	259 237
500	Cap screw M6x16	020 135	502	Cap screw M8x25	020 142
501	Pan-head screw M5x10	023 247	525	Serrated lock washer J5,3	022 489



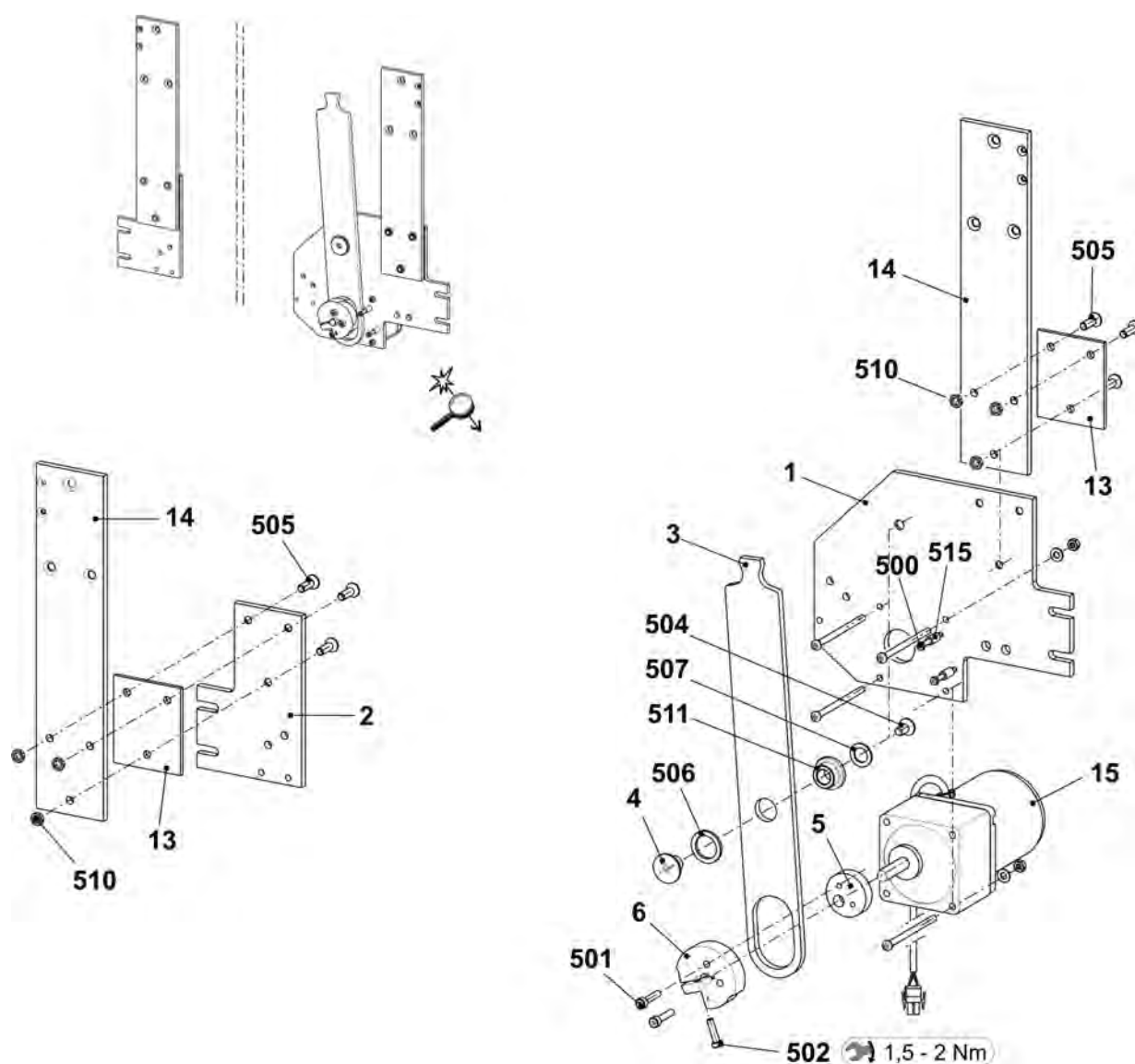
8.4.1 Comb unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb unit		5	Hook slider	
	E10	241 533		E10	220 996
	E12 E12m.10	240 061		E12 E16 8.2 E12m.10	220 994
	E14 E7.2 E14/12	241 534		E14 E7.2 E14/12	220 993
	E16 E8.2	241 535		E18	220 997
	E18	241 536	7	Collar bolt complete	211 036
1	Hook bed		8	Cross slider	213 429
	E10	221 196	9	Cover rail	222 866
	E12 E12m.10	221 197	10	Plunger	205 678
	E14 E7.2 E14/12	221 198	11	Switching lever complete	240 060
	E16 E8.2	221 199	15	Stabilizer	215 253
	E18	221 200	500	Cap screw M4x12	022 664
2	Closer		502	Countersunk head screw M5x12	023 340
	E10 E12 E14 E7.2 E12m.10 E14/12	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 E7.2 E12m.10 E14/12	230 094	510	Cap screw M4x35	023 550
	E16 E18 E8.2	230 095	511	Circlip	022 774
4	Cover rail	213 428			

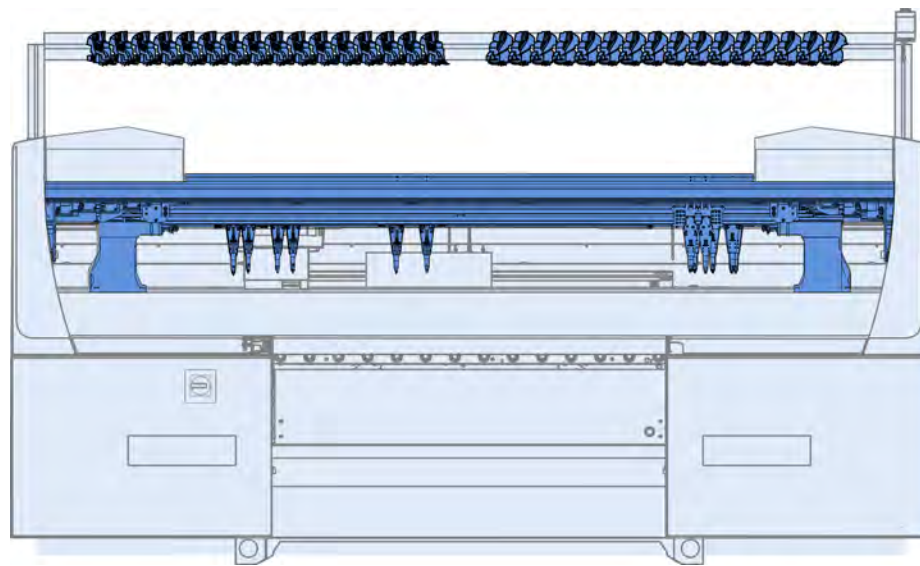


8.4.2 Switching lever comb take-down

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

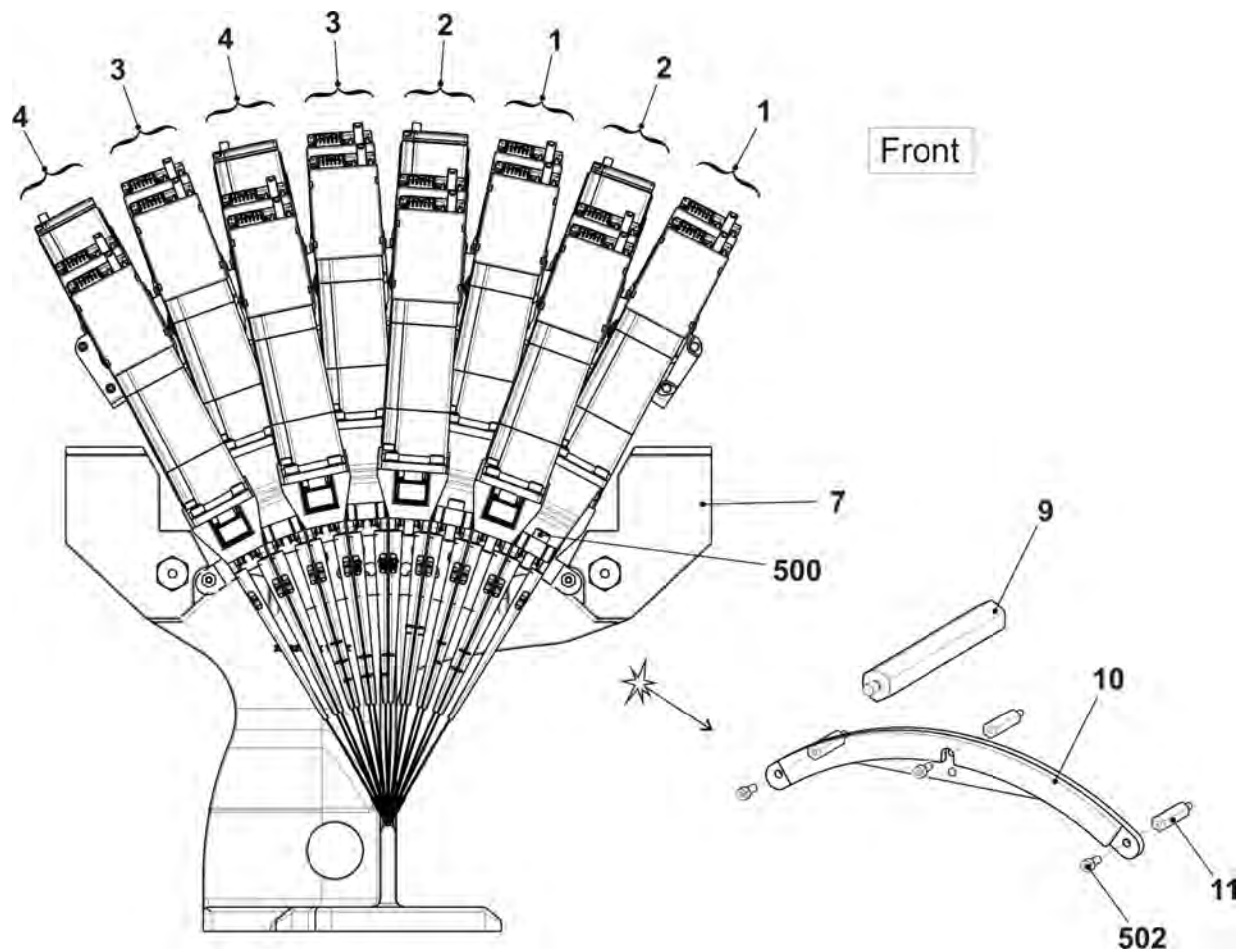


9 Yarn delivery device



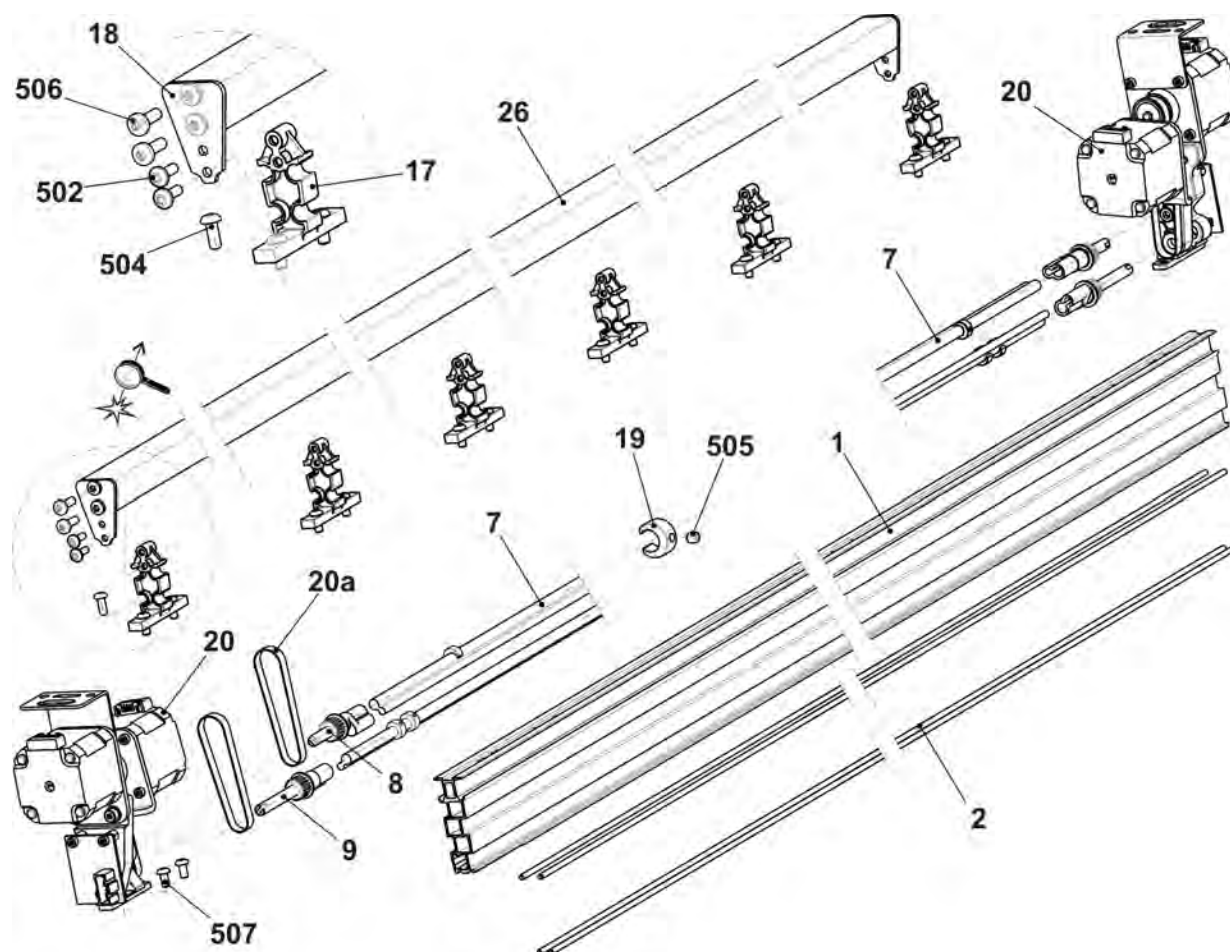
9.1 Drive unit yarn carrier complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive unit yarn carrier complete				
	E10-14 (E12m.10 E14/12 E7.2 E8.2)	257 994	4	YC-Rail 4, equipped (E10-14)	261 926
	E16-18	263 803		YC-Rail 4, equipped (E16-18)	264 213
1	YC-Rail 1, equipped (E10-14)	257 997	7	FF support	261 526
	YC-Rail 1, equipped (E16-18)	264 210	9	Stay bolt	261 767
2	YC-Rail 2, equipped (E10-14)	261 924	10	Stop point complete	260 346
	YC-Rail 2, equipped (E16-18)	264 211	11	Stop bolt	259 818
3	YC-Rail 3, equipped (E10-14)	261 925	500	Cap screw M6x20	020 136
	YC-Rail 3, equipped (E16-18)	264 212	502	Cap screw M4x10	023 136



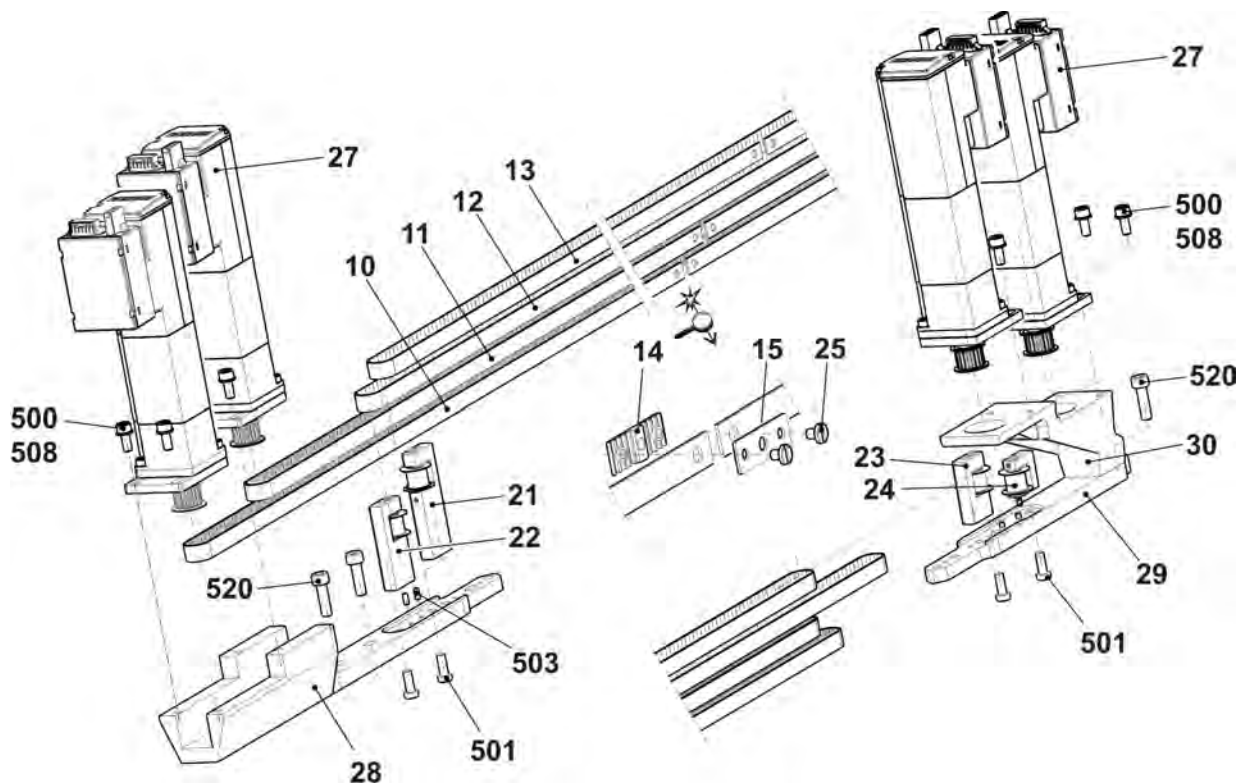
9.2 YC rail, drive of operating shaft

Pos	Designation	ID	Pos	Designation	ID
1	Yarn carrier rail	257 782	20	Bearing block	265 253
2	Wire	261 768	20a	Toothed belt	258 003
7	Operating shaft	257 754	26	Yarn guide rod	264 209
8	Short coupling complete	257 839	502	Screw 35x10	251 729
9	Long coupling complete	257 838	504	Pan-head screw M4x10	023 450
17	Support	257 813	505	Setscrew M3x3	263 507
18	Support sheet	264 226	506	Screw M4x12	023 367
19	Fixing ring	257 811	507	Pan-head screw M4x8	254 971



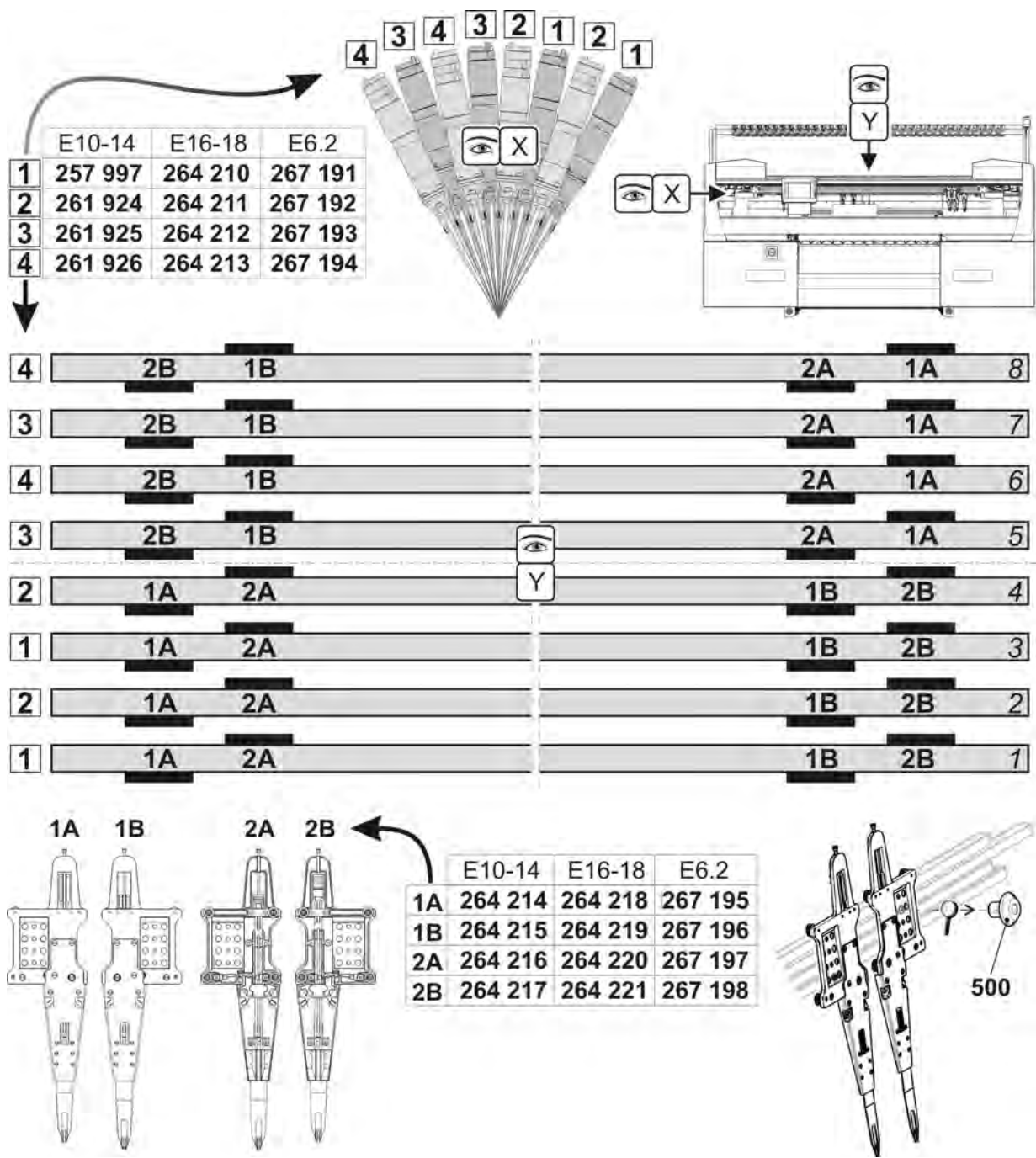
9.3 YC rail, drive

Pos	Designation	ID	Pos	Designation	ID
10	Toothed belt3M HP 5058	257 874	27	Drive unit pre-assembled	257 998
11	Toothed belt3M HP 4860	257 873	28	Bearing plate(1+3)	265 164
12	Toothed belt3M HP 4758	257 872		Bearing plate(2+4)	265 165
13	Toothed belt3M HP 4563	257 871	29	Bottom bearing(1+3)	265 166
14	Support	261 904		Bottom bearing(2+4)	265 167
15	Clamping plate	257 817	30	Bearing at the top (1+3)	261 884
21	Bearing of deflection roller track 1	265 154		Bearing at the top (2+4)	261 886
22	Bearing of deflection roller track 2	265 155	500	Cap screw M5x12	265 244
23	Bearing of deflection roller track 3	265 156	501	Cap screw M5x12-8.8	022 943
24	Bearing of deflection roller track 4	265 157	503	Dowel pin 3x6	245 292
25	Adjusting screw	261 905	508	Washer 5	259 666



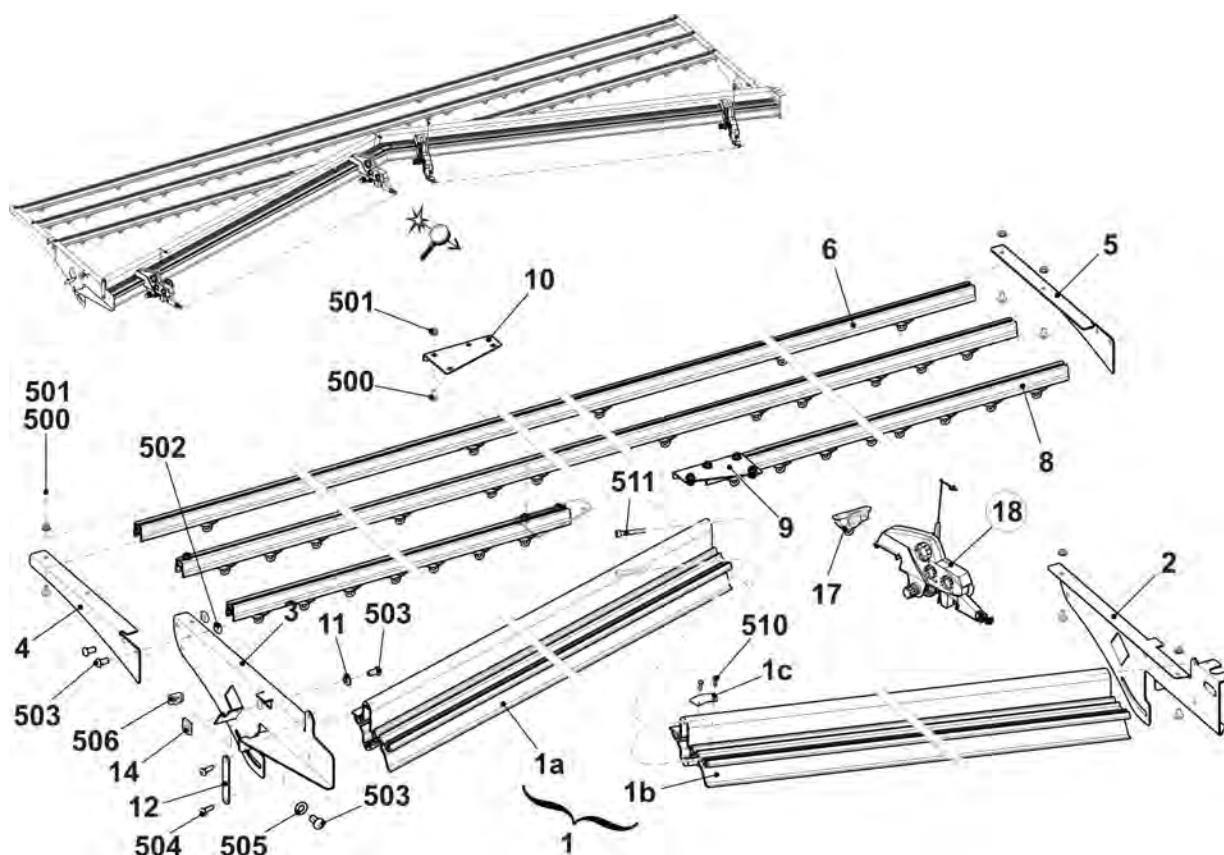
9.4 Yarn carrier rails and carriages

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



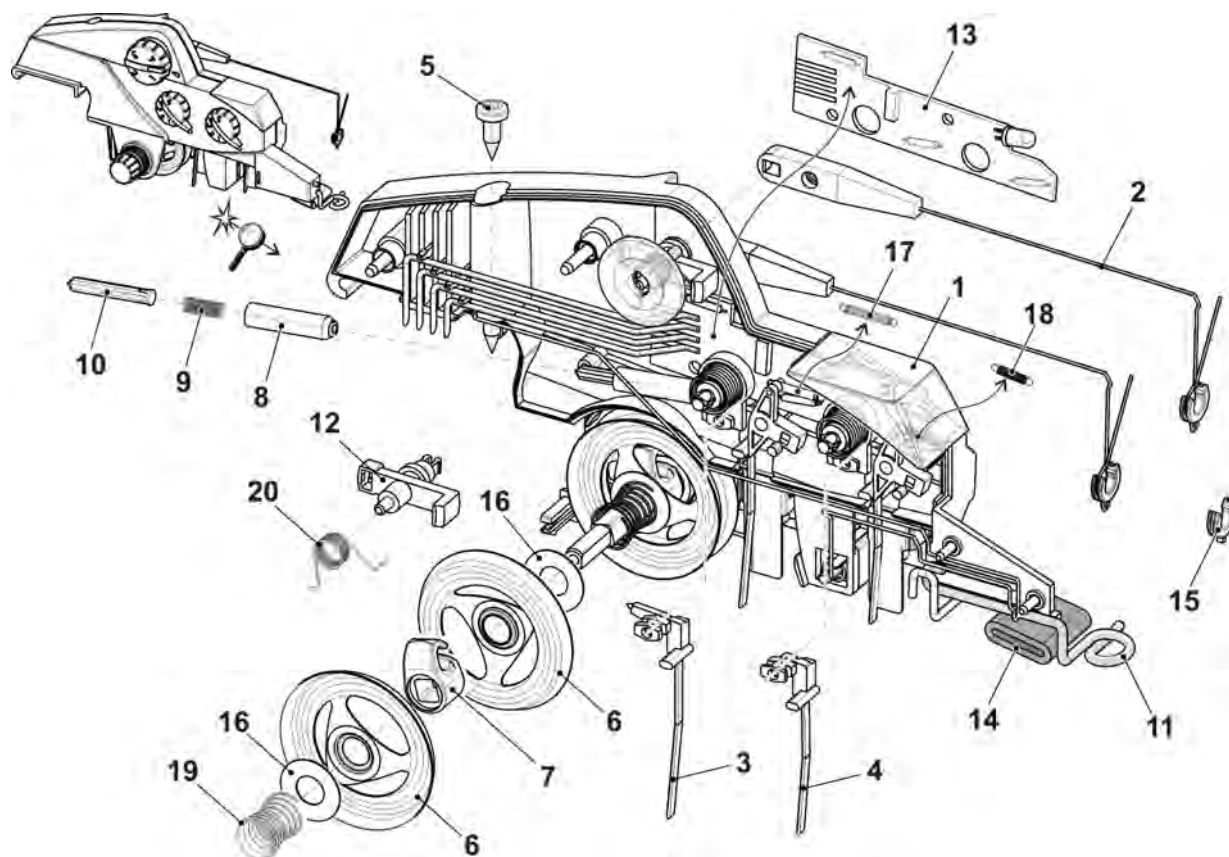
9.5 Yarn guide system with 32 FKE ADF

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide device 32 FKE 50" ADF	265 347			
1	Profile complete	266 219	10	Support on the left	265 350
1a	Support ADF	266 216	11	Sleeve	263 525
1b	Support ADF	266 218	12	Wedge	265 353
1c	Cover plate	266 217	14	Slot nut	228 851
510	Screw 4x12	253 153	17	Yarn guide bracket complete	241 581
511	Screw M6x40	266 246	18	Yarn control unit	263 685
2	Support on the right	263 508	500	Self-locking screw M6x12	023 415
3	Support on the left	263 506	501	Serrated nut M6-10	023 414
4	Rear left support	263 509	502	Square nut M8	023 269
5	Rear right support	263 510	503	Pan-head screw M8x16	023 113
6	Yarn guide bar	263 417	504	Screw M6x20	023 721
8	Yarn guide bar	265 352	505	Washer 8	020 873
9	Support right	265 351	506	Hammer-head nut M8	261 845

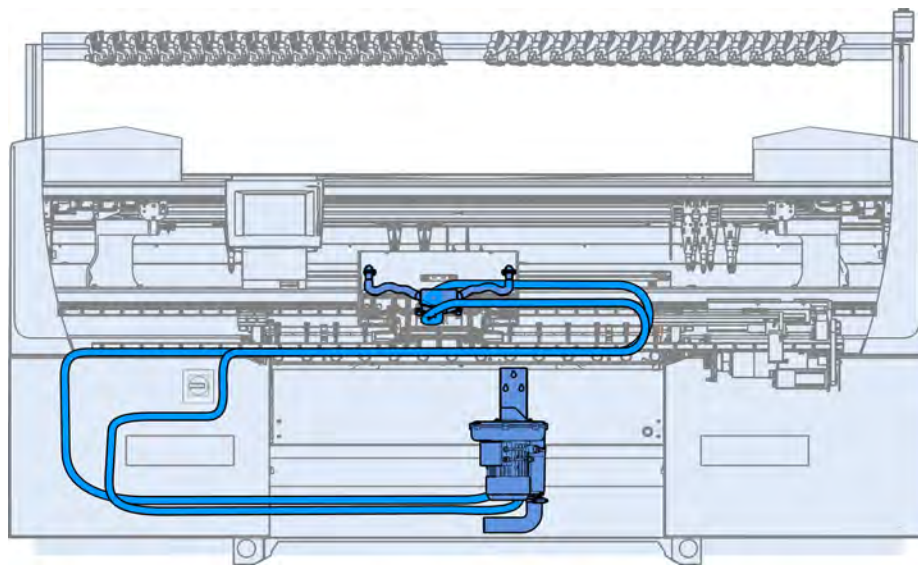


9.5.1 Yarn control unit ADF

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn control unit ADF	263 685			
1	Lamp cap	265 525	11	Wire with eyelet	265 533
2	Tension arm	265 526	12	Rocker	265 532
3	Knot detector for large knots	251 168	13	Jack	265 527
4	Knot detector for mall knots	251 169	14	Damper	265 528
5	Screw	251 170	15	Ceramic eyelet	217 327
6	Yarn brake disc	216 365	16	Disk	216 372
7	Yarn holder for yarn brake	244 407	17	Tension spring	253 038
8	Sleeve	253 034	18	Tension spring	265 531
9	Compression spring	253 035	19	Compression spring of brake disk	253 055
10	Pin	253 036	20	Leg spring	265 529

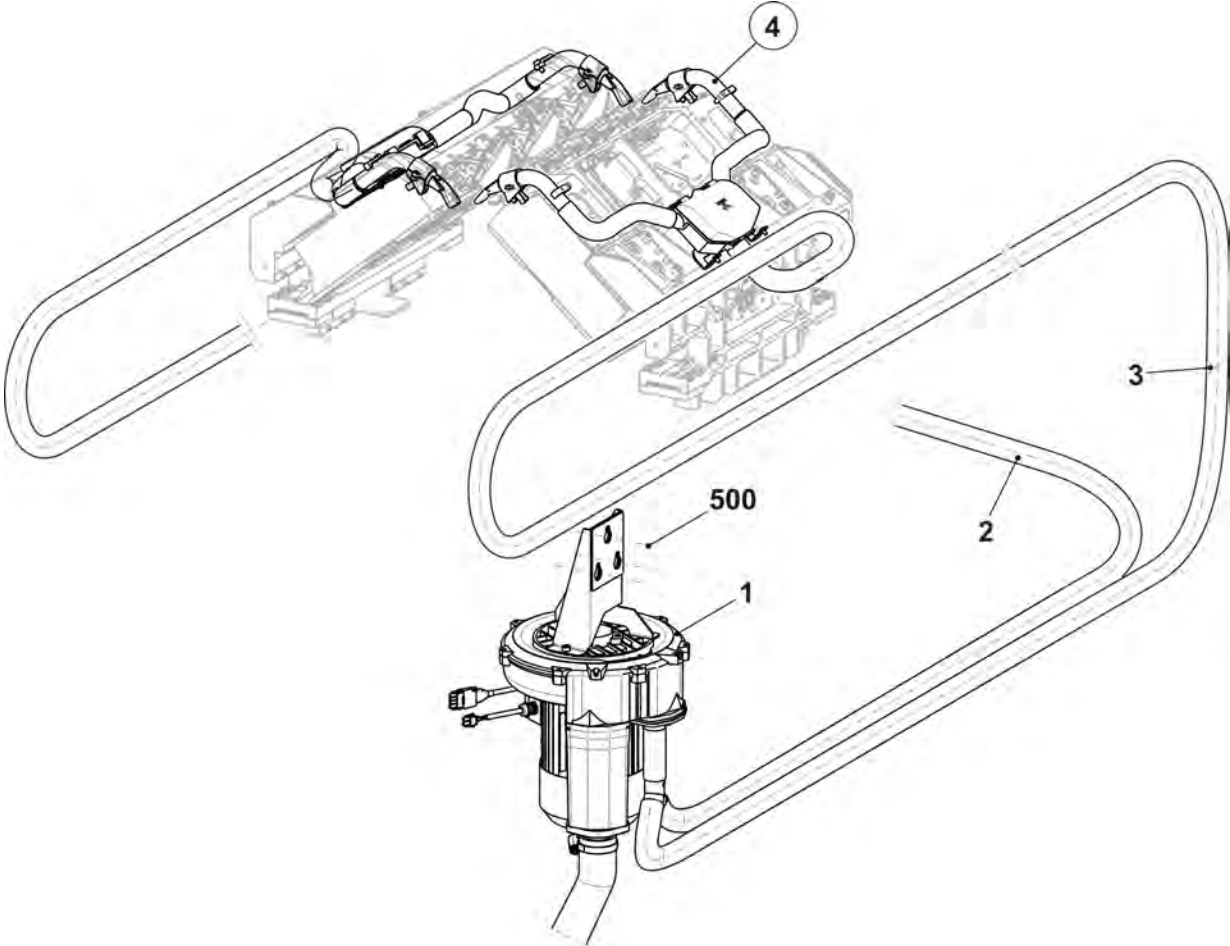


10 Fluff absorption



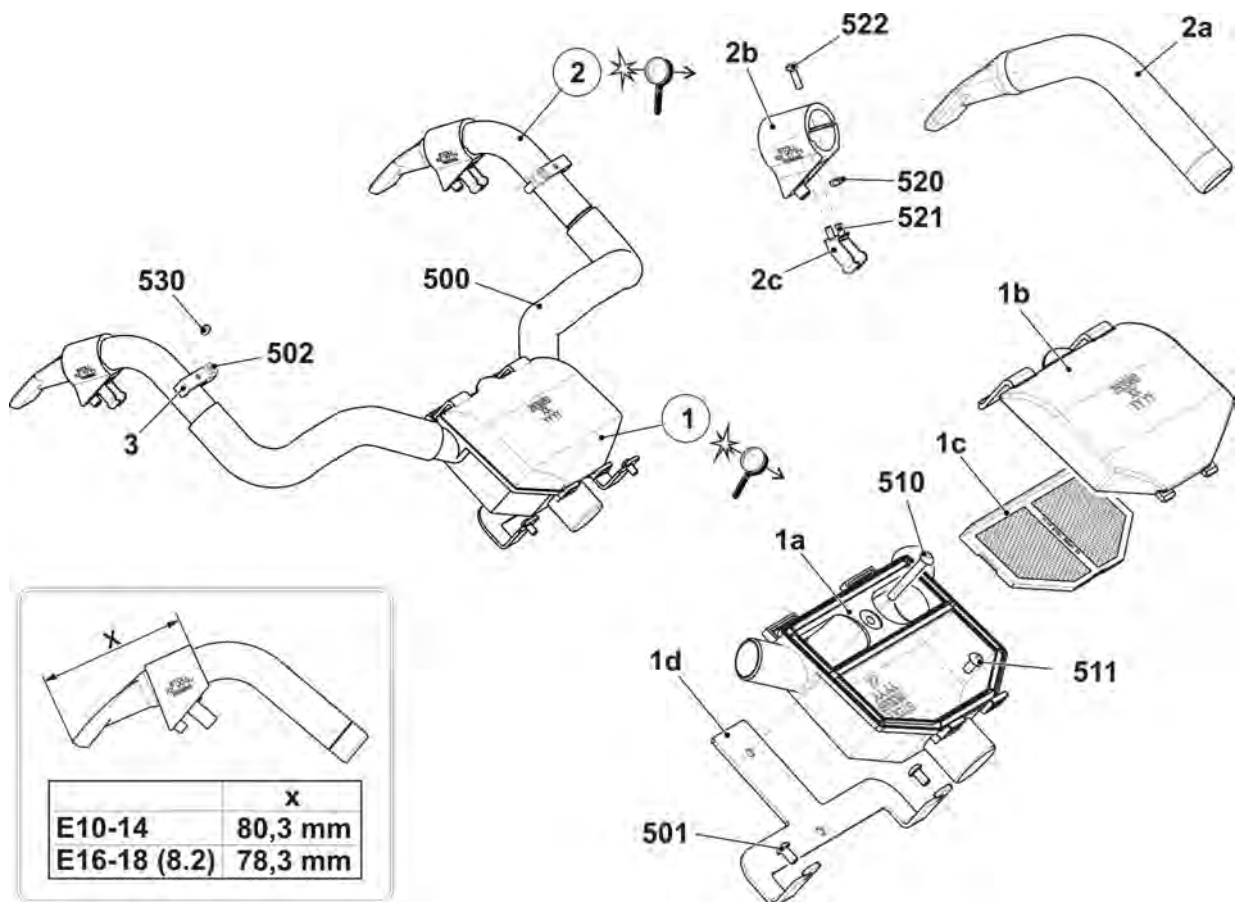
10.1 Fluff absorption

Pos	Designation	ID	Pos	Designation	ID
Σ	Fluff absorption				
1	Suction fan complete	259 446	4	Suction device complete E16-18 (E8.2)	263 587
2	Suction hose 29x25x5200	266 267		Suction device complete E10-14	263 586
3	Suction hose 29x25x	263 572	500	Cap screw M6x12	265 565

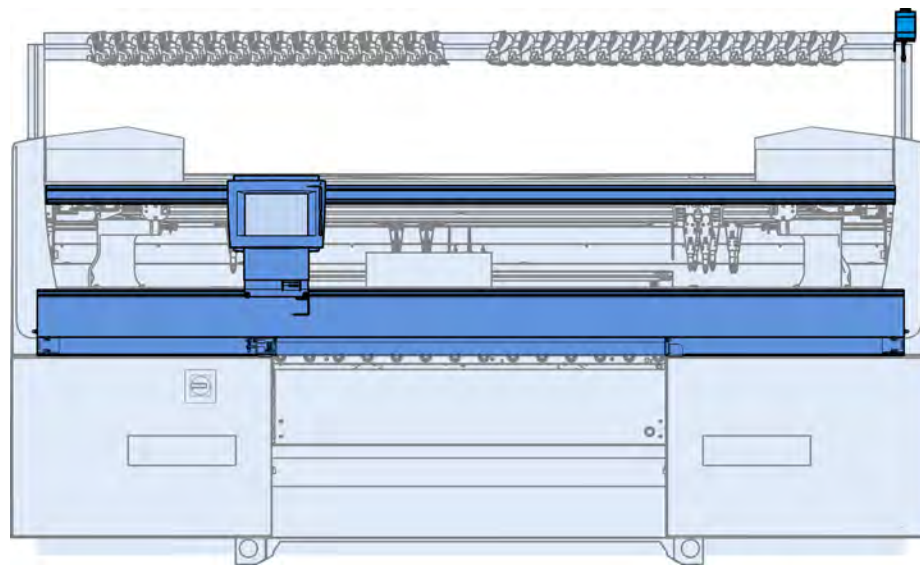


10.2 Fluff absorption, carriage parts

Pos	Designation		ID	Pos	Designation		ID
Σ	Fluff absorption						
1	Lint container complete		263 568		2b	Suction tube support	263 563
	1a	Lint container	263 559		2c	Bracket	255 627
	1b	Cover lint container	263 560		520	Hexagon nut M3	020 831
	1c	Filter of lint container	263 561		521	Screw KB30x6	241 424
	1d	Support of lint container	259 832		522	Pan-head screw M3x10	023 032
	510	Pan-head screw M4x30	023 681	3	Suction tube bar		263 181
	511	Pan-head screw M4x8	254 971		530	Setscrew M4x6	023 277
2	Suction tube complete E10-14		263 565	500	Suction hose 25x20x220		263 567
	Suction tube complete E16-18 (8.2)		263 566	501	Pan-head screw M5x8		239 408
	2a	Suction tube complete	263 569	502	Cap screw M5x12		263 572

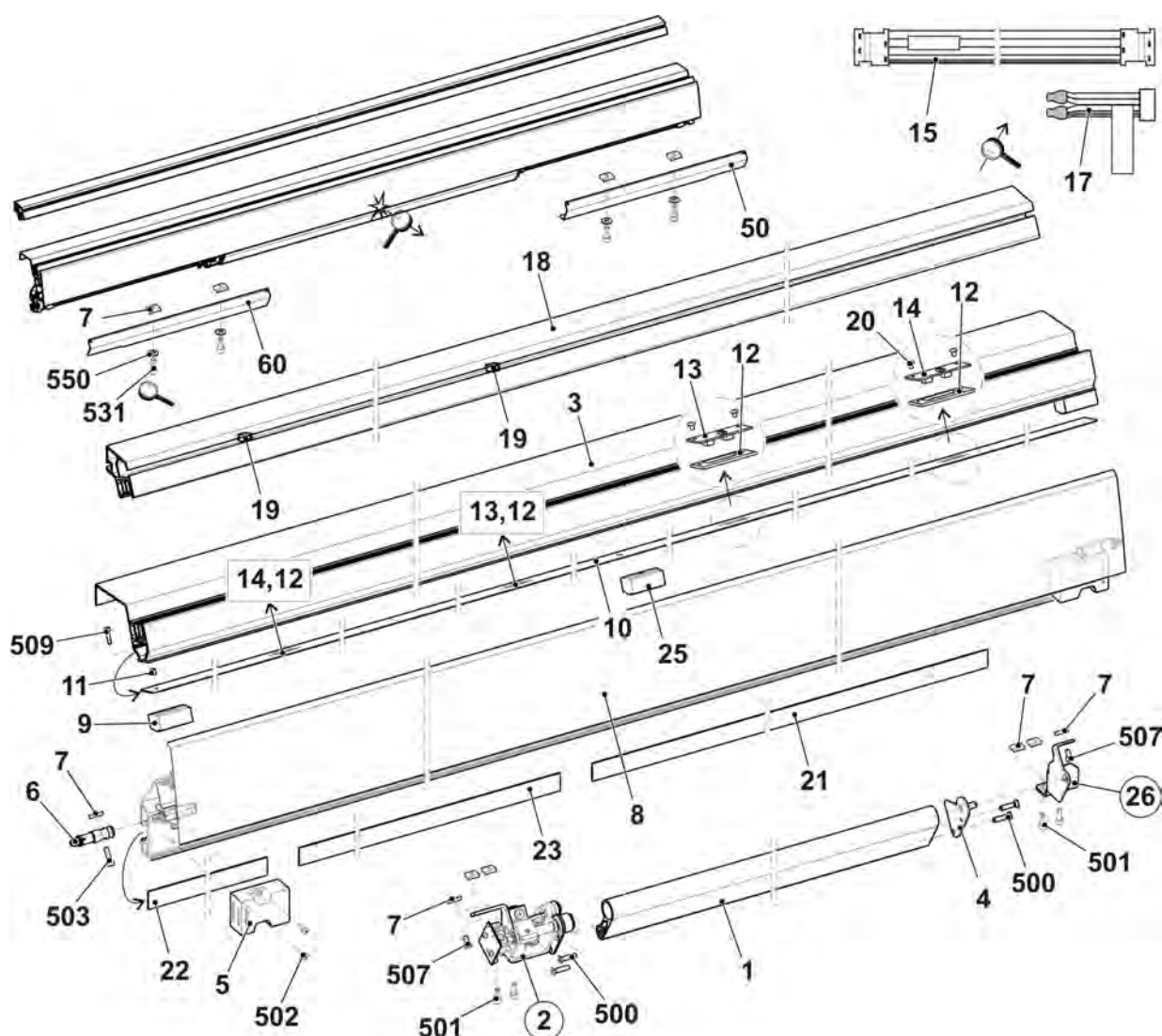


11 Operation and control



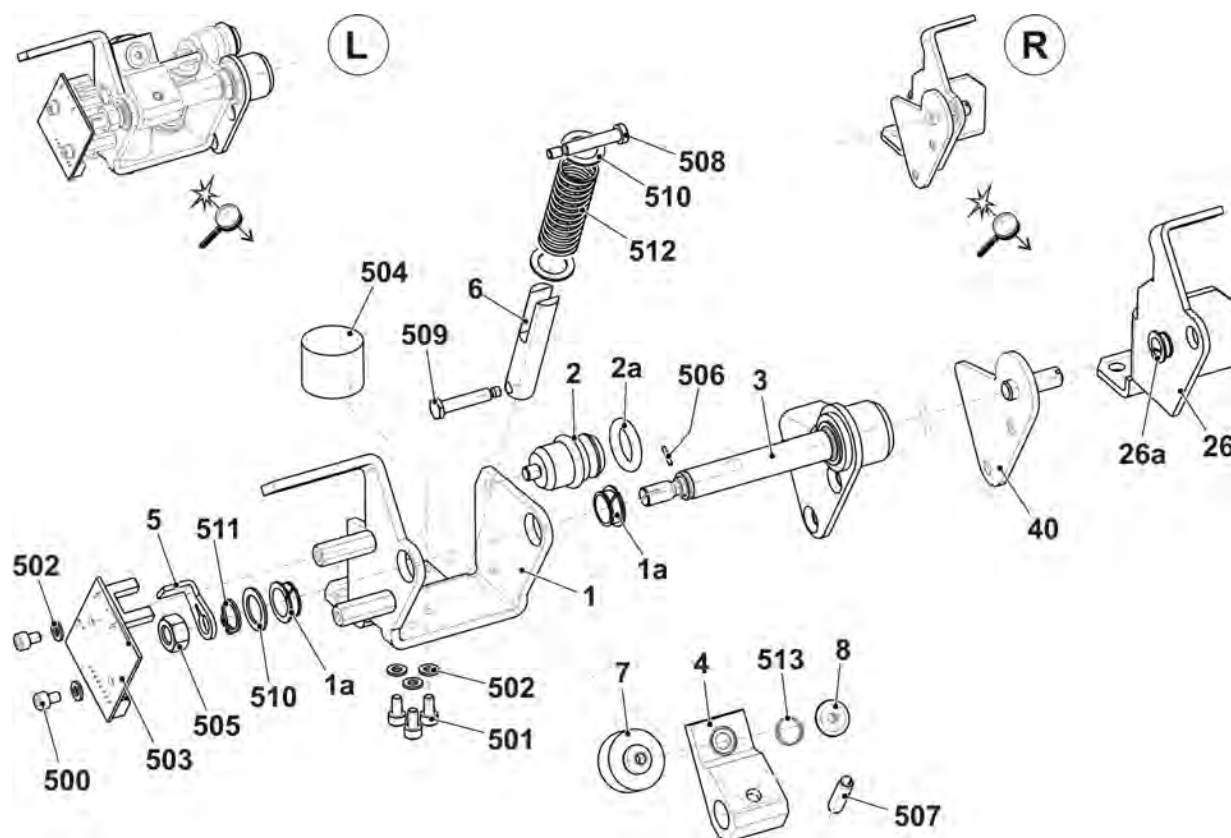
11.1 Starting device

Pos	Designation	Id	Pos	Designation	Id
Σ	Starting device complete	262 163	16	Connection cable of covers	264 128
1	Engaging rod	262 164	17	Termination plug of covers	256 896
2	Bearing on the left complete	262 165	18	Guide rail at the top complete	264 126
3	Guide rail at the bottom complete	264 140	19	Slot nut	264 280
4	Bearing on the right complete	265 444	20	Snap rivet	256 684
5	Switch with cable to safety doors	223 350	21	Cover strip	264 246
6	Locating bolt	219 107	22	Cover strip	264 247
7	Slot nut	225 099	23	Cover strip	264 248
8	Front profile at the bottom	264 137	25	Slot nut for front profile	265 373
9	Slot nut for front profile	262 204	26	Bearing on the right	265 402
10	Bar for switches	264 170	500	Screw M6x25	023 510
11	Threaded spacer	261 782	501	Cap screw M6x16	020 135
12	Shim for switch	256 861	502	Pan-head screw M5x14	023 588
13	Card safety door switch middle	256 666	503	Cap screw M6x20	020 136
14	Card safety door switch outside	256 667	507	Cap screw M6x10	023 690
15	Cable of cover ADF	264 181	509	Cap screw M4x16	020 131



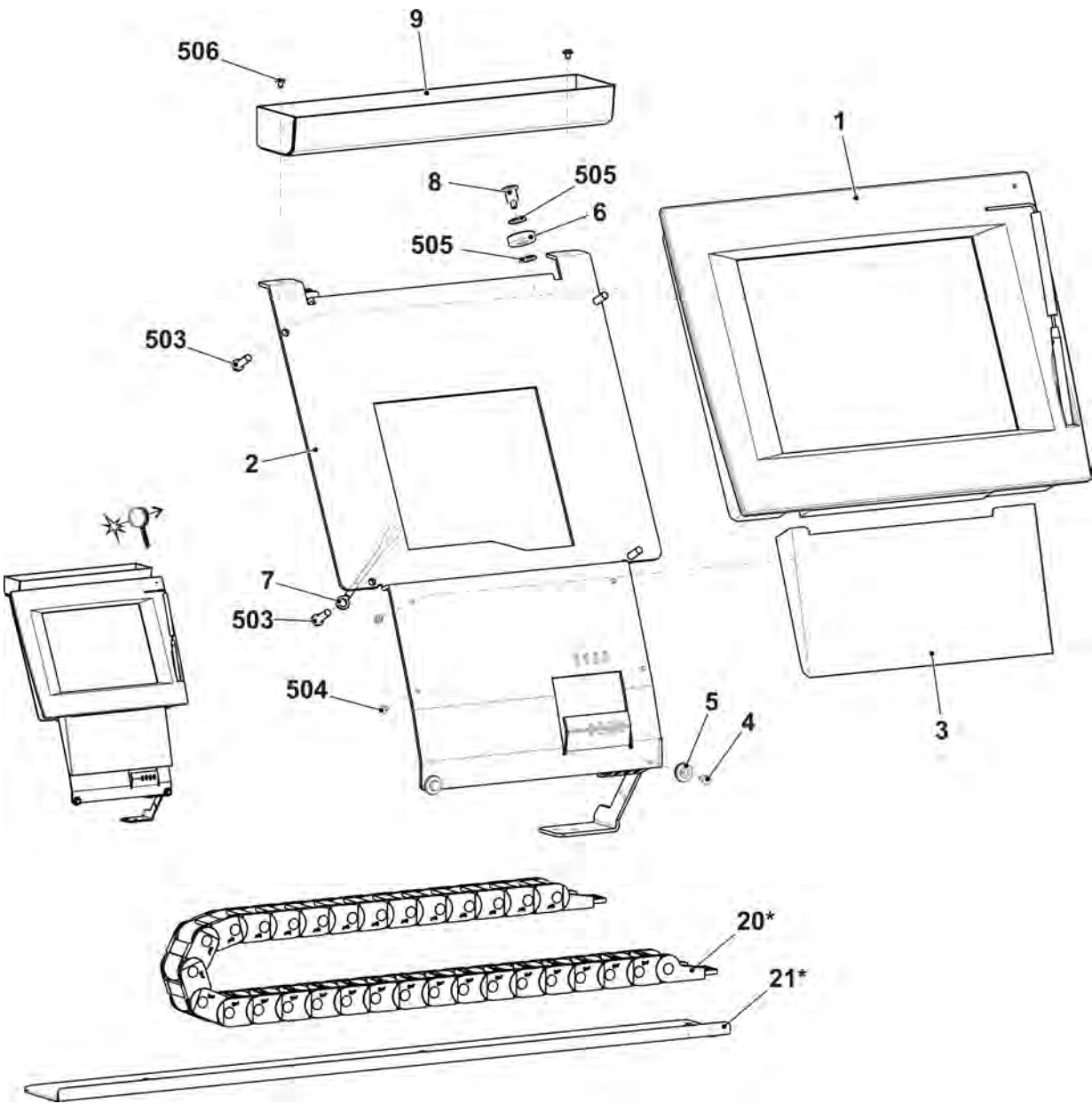
11.1.1 Bearing of the engaging rod

Pos	Designation	Id. no.	Pos	Designation	Id. no.
L	Bearing on the left complete	262 165	504	Adhesive magnet direct current	026 233
1	Bearing on the left	262 167	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 0,5x11x12	251 369
8	Shoulder screw	254 528			
500	Cap screw M4x6	023 067	R	Bearing on the right complete	
501	Cap screw M4x8	022 501	26	Bearing on the right	265 402
502	Shim ring 4x8x1	023 369	26a	Clip bearing MCM 12-04	023 639
503	Card engaging	259 000	40	Bearing on the right complete	265 444



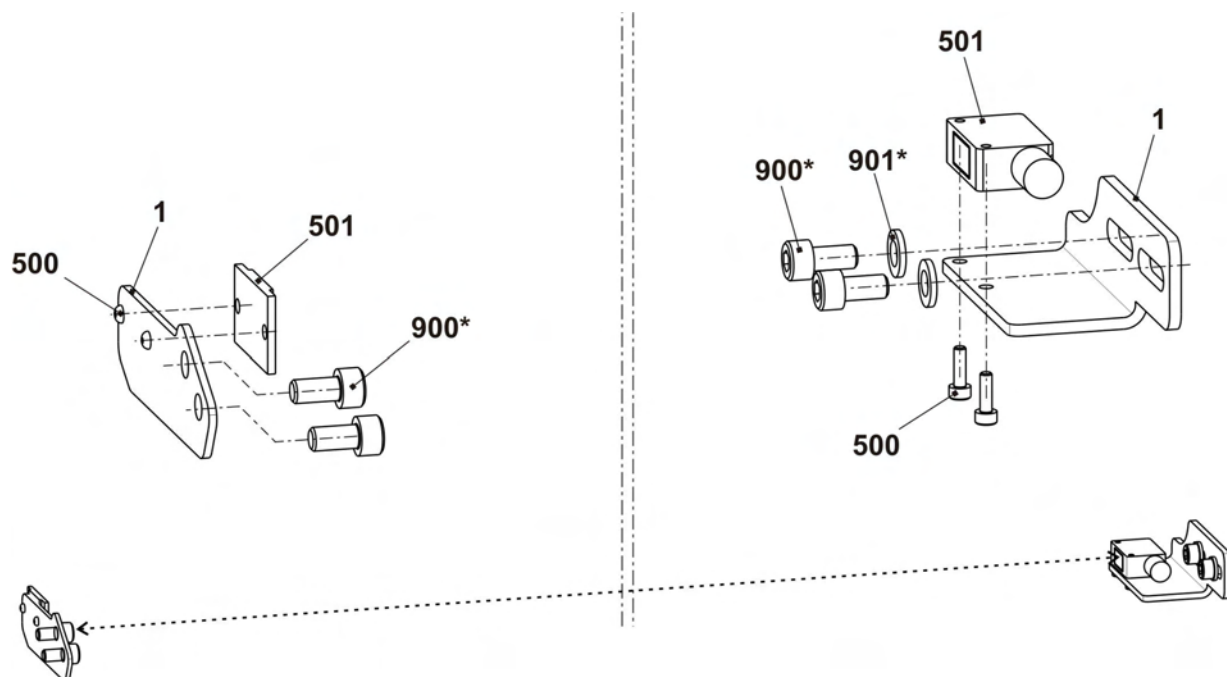
11.2 Input unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Input unit complete	263 649	8	Shoulder screw	264 179
1	Display casing	263 394	9	Depositing shell	264 197
2	Sheet metal guiding	264 166	503	Screw 60x20-Z	243 625
3	Sheet metal at the front	264 141	504	Pan-head screw M4x6	023 427
4	Collar bolt	220 468	505	Shim ring 10x16x1	023 260
5	Roll	220 463	506	Oval flange head screw M4x5	262 043
6	Roll	264 180	20*	Energy chain display	263 640
7	Earth cable of display	262 487	21*	Depositing gutter of display chain	265 576



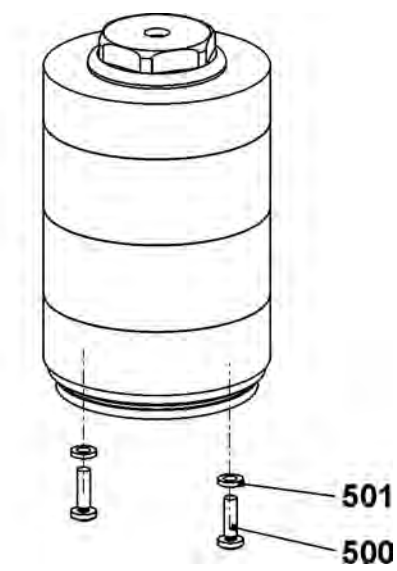
11.3 Control of Collecting Area

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	243 355
900*	Cap screw M6x12	020 134	900*	Cap screw M6x12	020 134
			901*	Washer 6	020 872



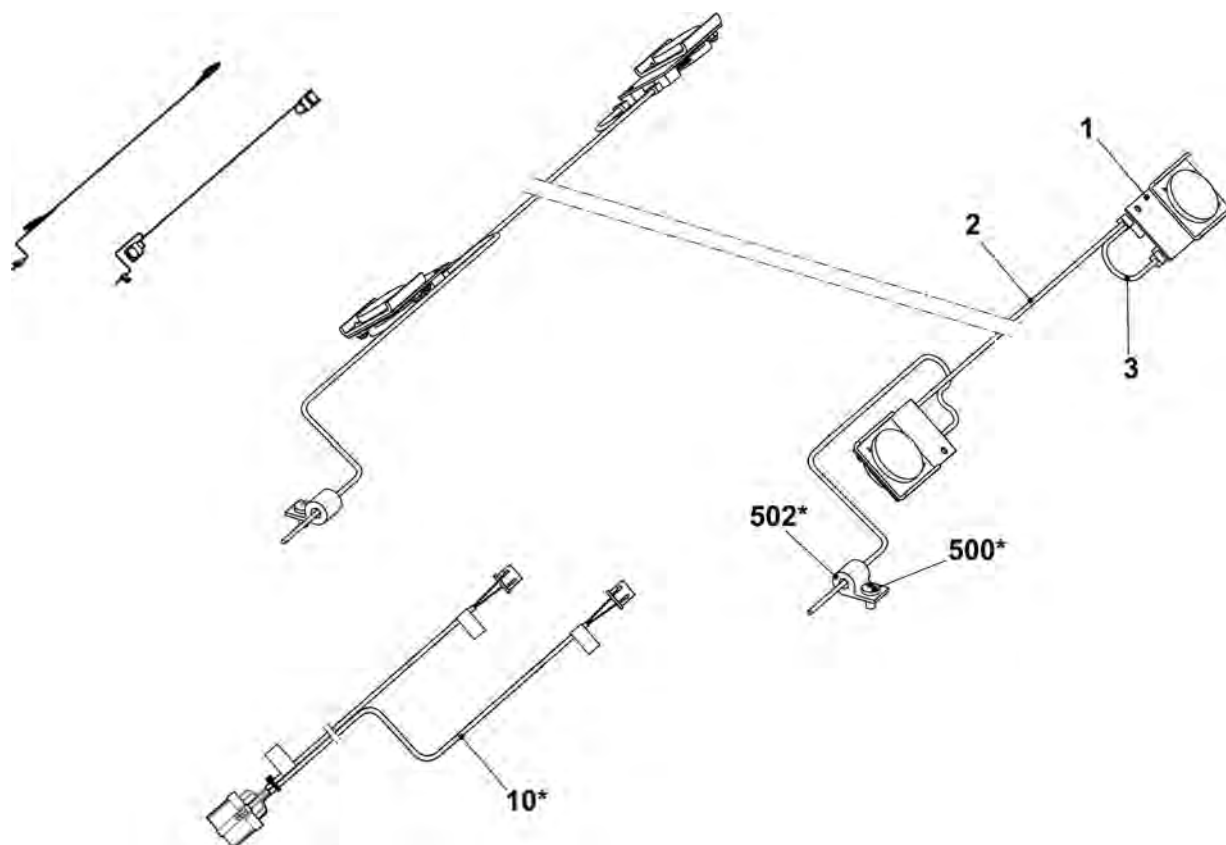
11.4 Signal light

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				



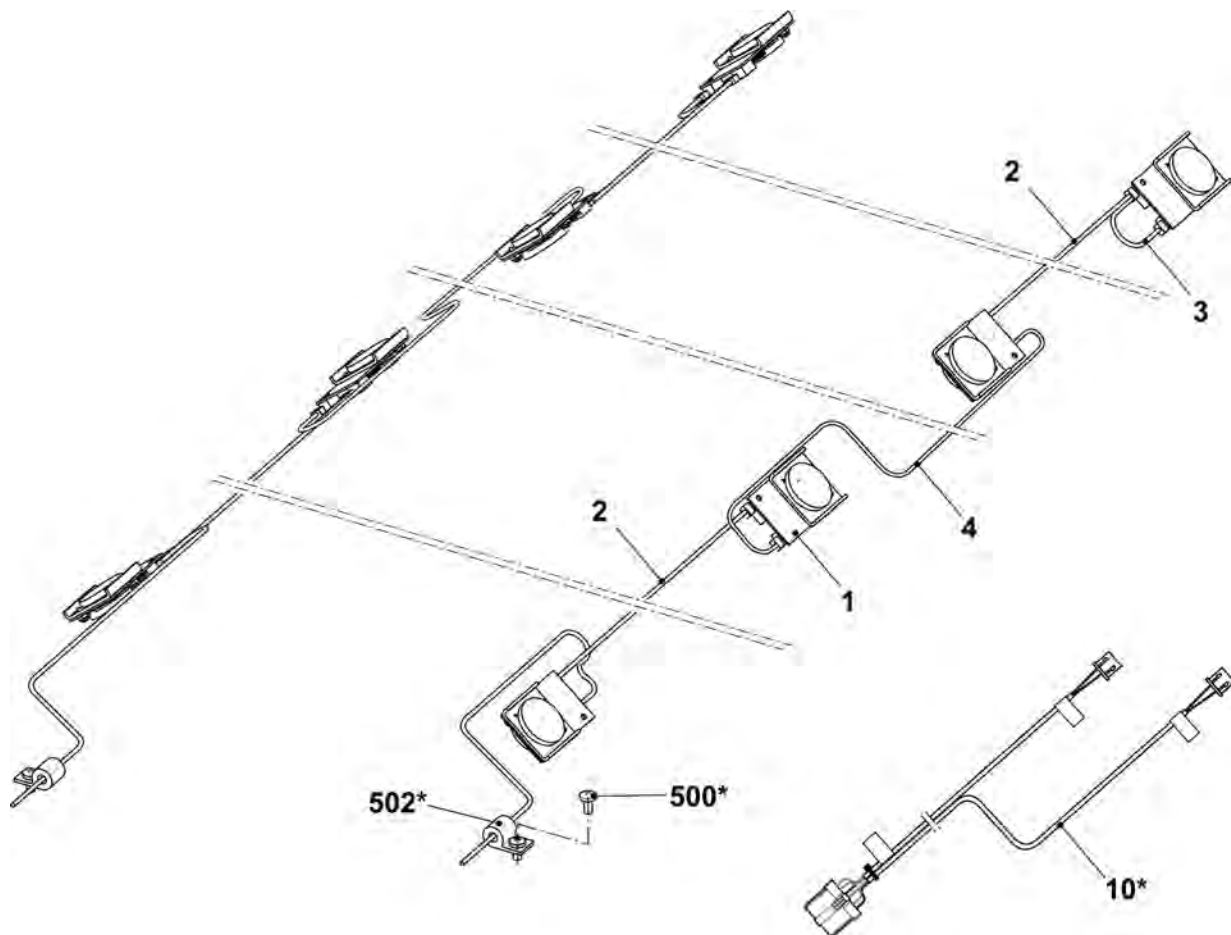
11.5 Shock stop motion E10 | E12 | E14 | E12m.14 | E14/12 | E7.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Shock stop motion complete E3	241 819			
1	Shock stop motion (Piezo)	220 011	10*	Cable piezo NB OKC	240 518
2	Connecting cable piezo sensor	220 061	500*	Pan-head screw M4x8	023 036
3	End plug piezo sensor	220 053	502*	Cable clip N-3B, 5 mm	210 729



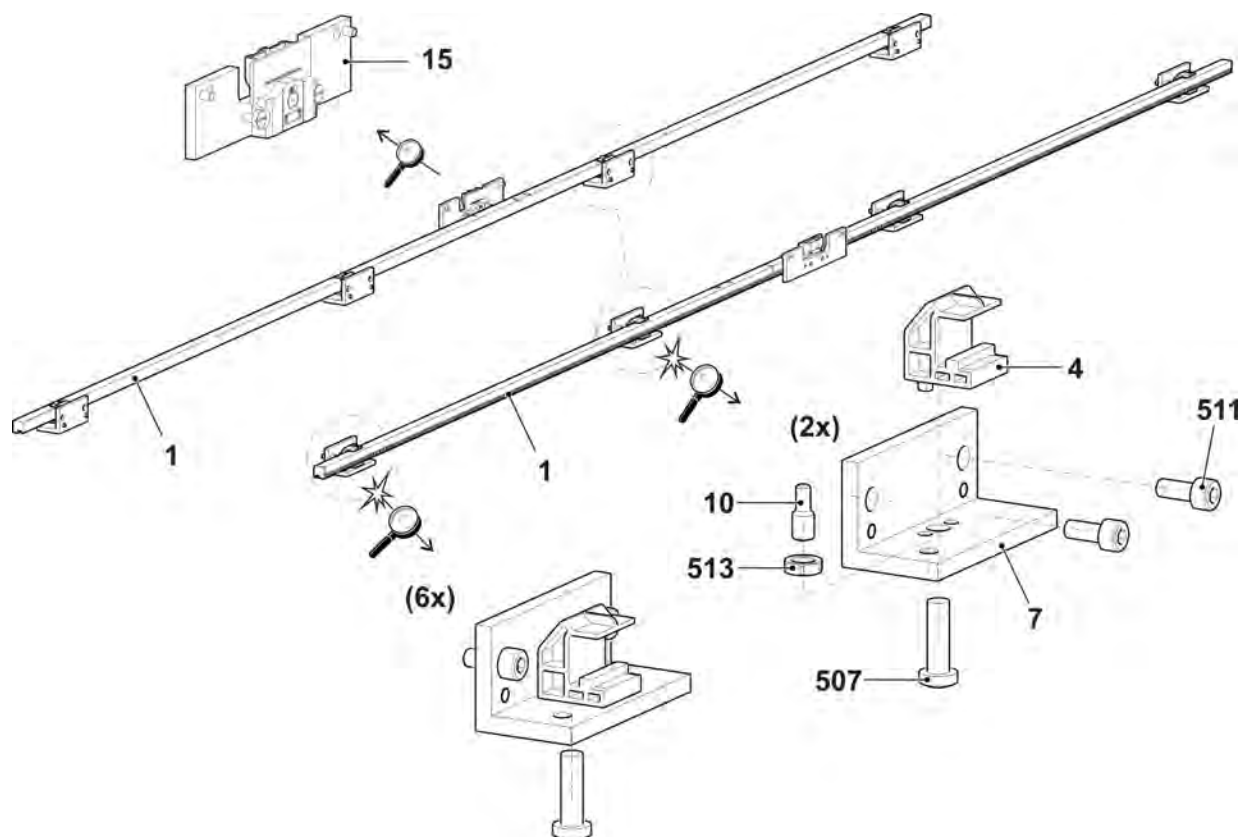
11.6 Shock stop motion E16|18 | E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Shock stop motion complete E3	250 384	4	Cable connection piezo	250 295
1	Shock stop motion (Piezo)	220 011	10*	Cable piezo	240 518
2	Cable connection piezo	250 291	500*	Pan-head screw M4x8	023 036
3	End plug piezo sensor	220 053	502*	Cable clip N-3B, 5 mm	210 729

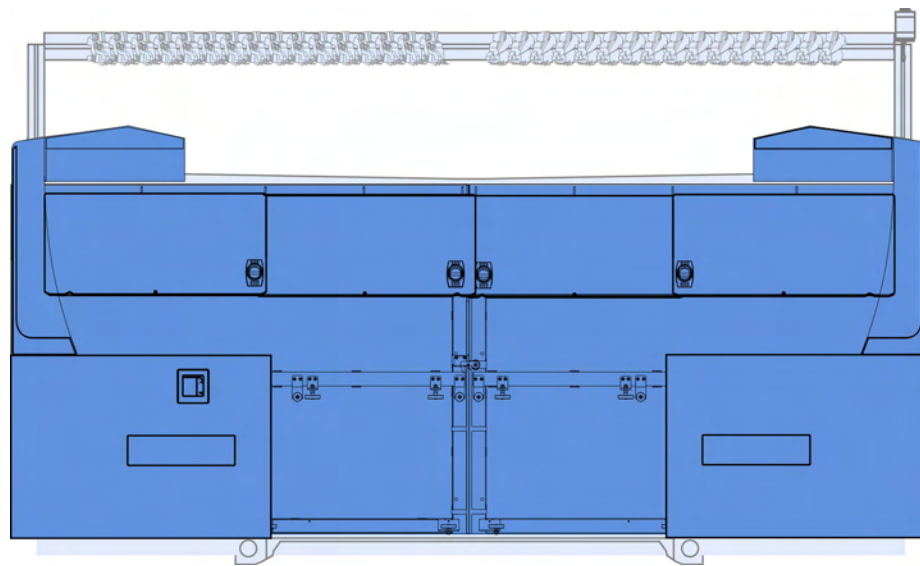


11.7 Measuring device

Pos	Designation	Id	Pos	Designation	Id
Σ	Measuring device		15	Impulse sensor GLM OH complete	264 314
1	Measuring bar	264 957	507	Screw 60x20	243 625
4	Guide outside	251 605	511	Cap screw M5x10	022 918
7	Support of measuring bar	258 000	513	Hexagon nut M6-04	257 088
10	Setscrew	230 803	530	Setscrew	230 803

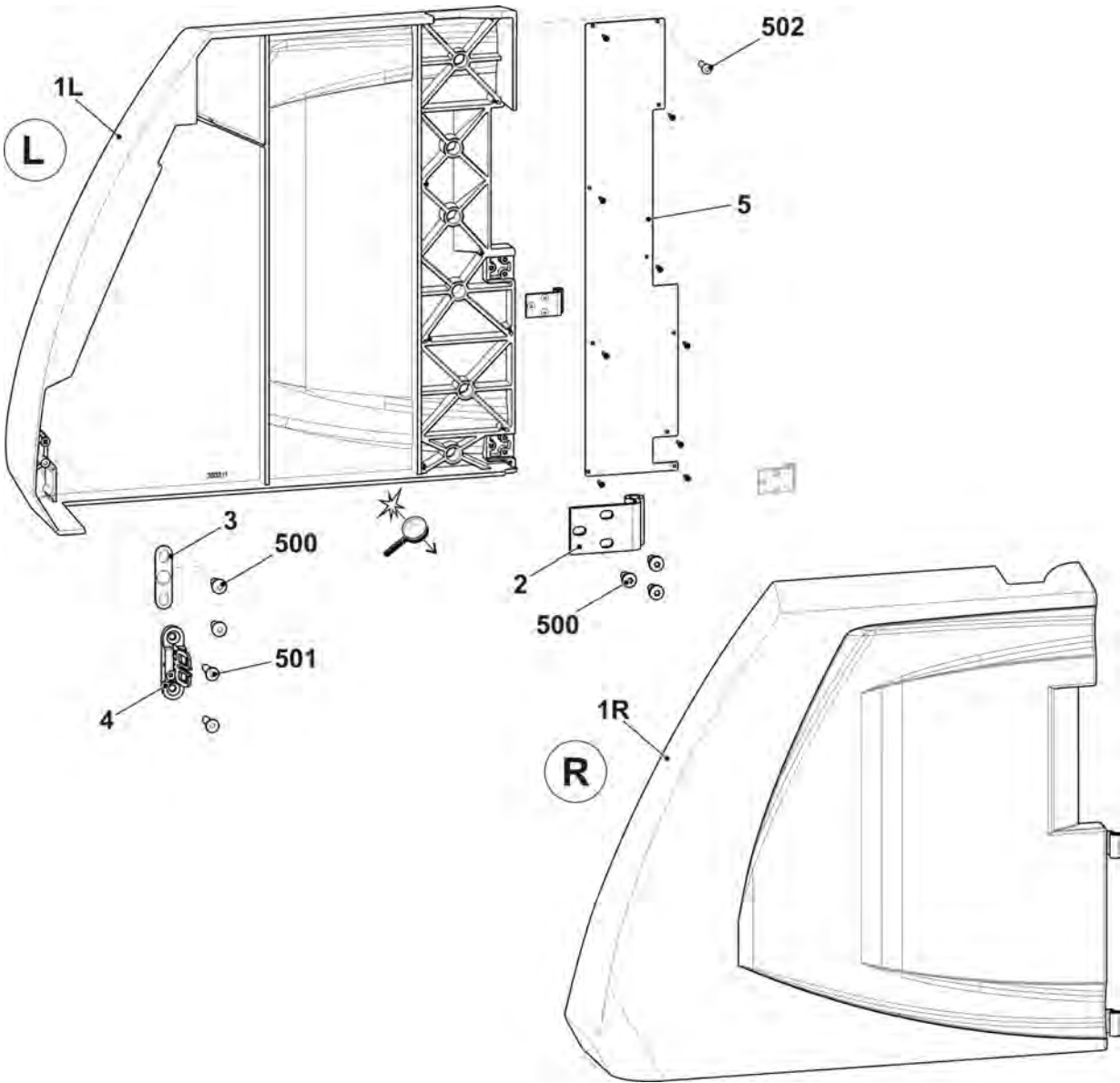


12 Protective devices



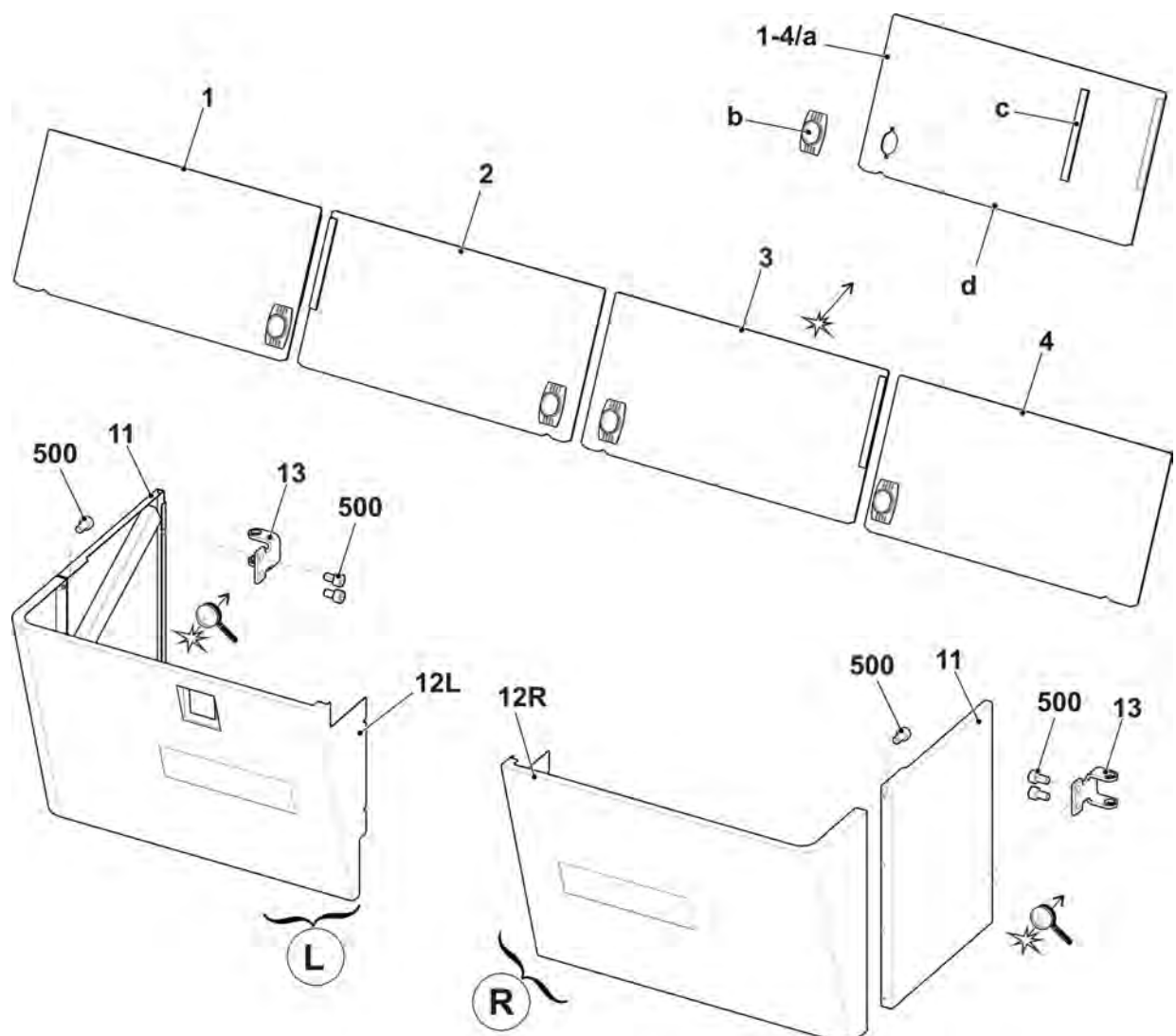
12.1 Lateral safety doors

Pos	Designation	Id	Pos	Designation	Id
ΣL	Safety door on the left complete	263 318			
1L	Safety door on the left	263 311	4	Actuator	263 217
ΣR	Safety door on the right complete.	263 319	5	Cover plate	263 980
1R	Safety door on the right	263 312	500	Screw 6x12	263 996
2	Hinge	263 216	501	Screw 50x20	263 540
3	Locking plate	219 748	502	Screw 4x16	263 995



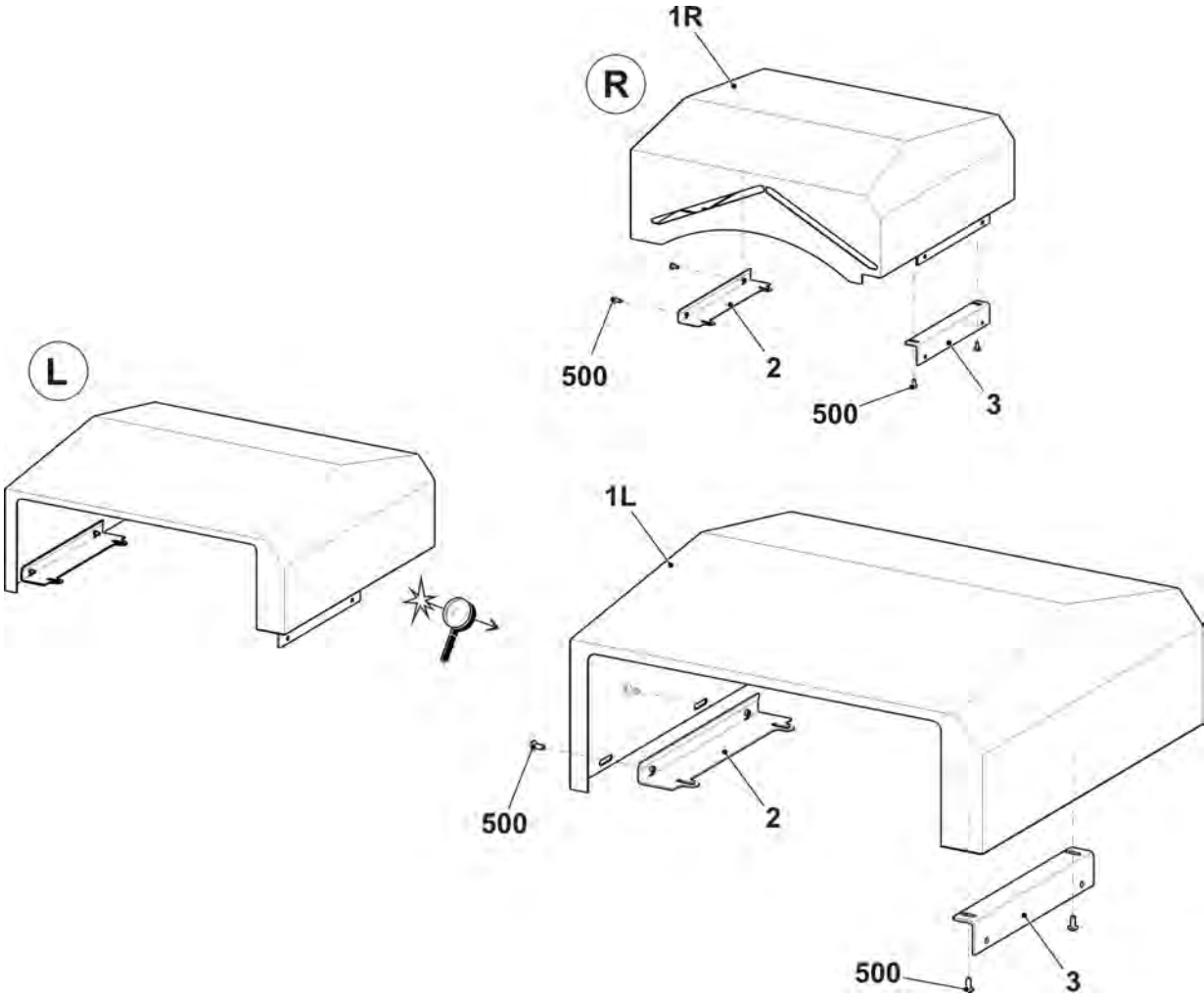
12.2 Panelling

Pos	Designation		Id	Pos	Designation		Id
1	Cover 1 complete		264 145	ΣL	Control unit panelling on the left complete		263 608
	1a	Cover 1+4	264 143		11	Side part	263 825
2	Cover 2 complete		264 146		12L	Control unit panelling on the left	263 810
	2a	Cover 2+3	264 144		13	Hinge	263 814
3	Cover 3 complete		264 147		500	Cap screw M6x10	023 690
	3a	Cover 2+3	264 144				
4	Cover 4 complete		264 148	ΣR	Control unit panelling on the right complete		263 609
	4a	Cover 1+4	264 143		11	Side part	263 825
b	Inlet type handle		251 376		12R	Control unit panelling on the right	263 811
c	Stripper		264 142		13	Hinge	263 814
d	Magnet		256 801		500	Cap screw M6x10	023 690



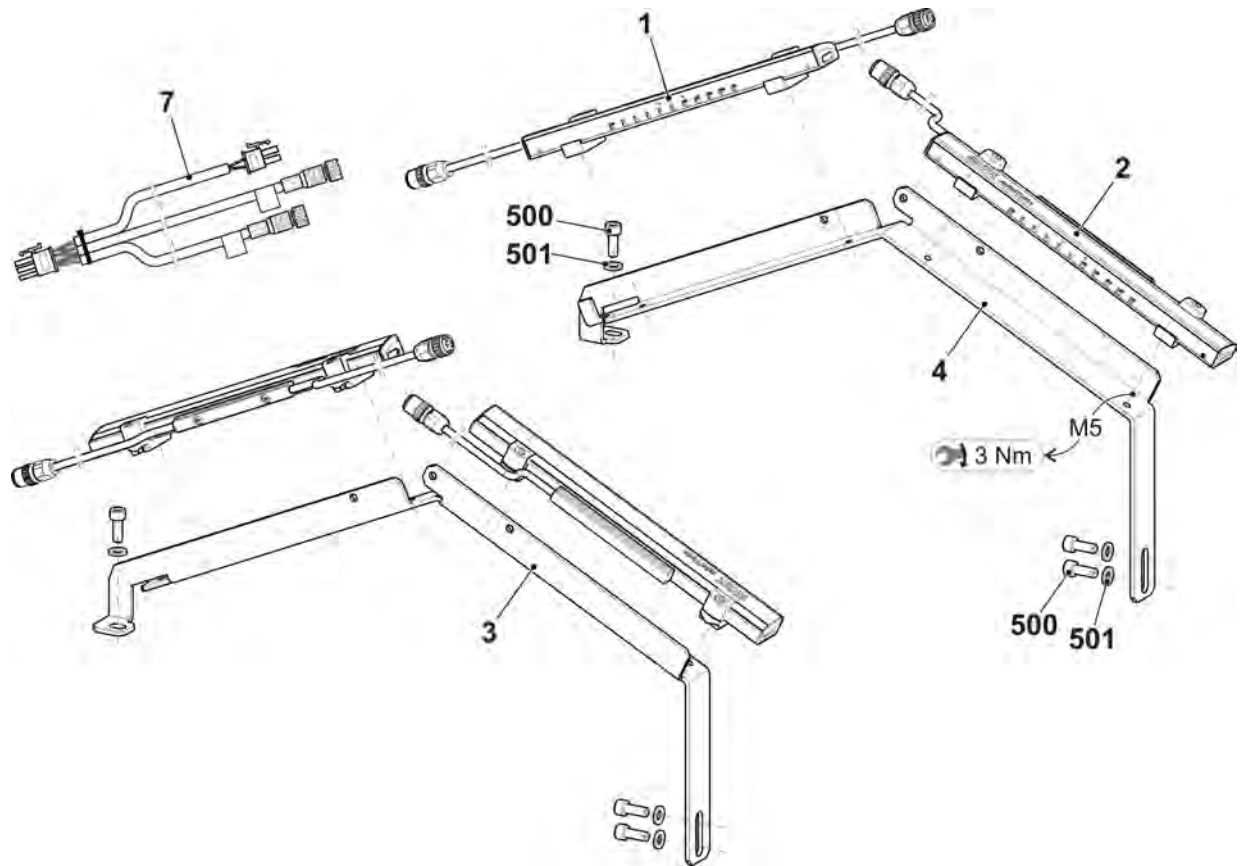
12.3 Covers

Pos	Designation	Id	Pos	Designation	Id
ΣL	Cover on the left complete	263 755	ΣR	Cover on the right complete	263 756
1L	Cover on the left	264 040	1R	Cover on the right	264 041
2	Rear sheet metal support	263 224	2	Rear sheet metal support	263 224
3	Front sheet metal support	263 759	3	Front sheet metal support	263 759
500	Pan-head screw M5x12	023 262	500	Pan-head screw M5x12	023 262



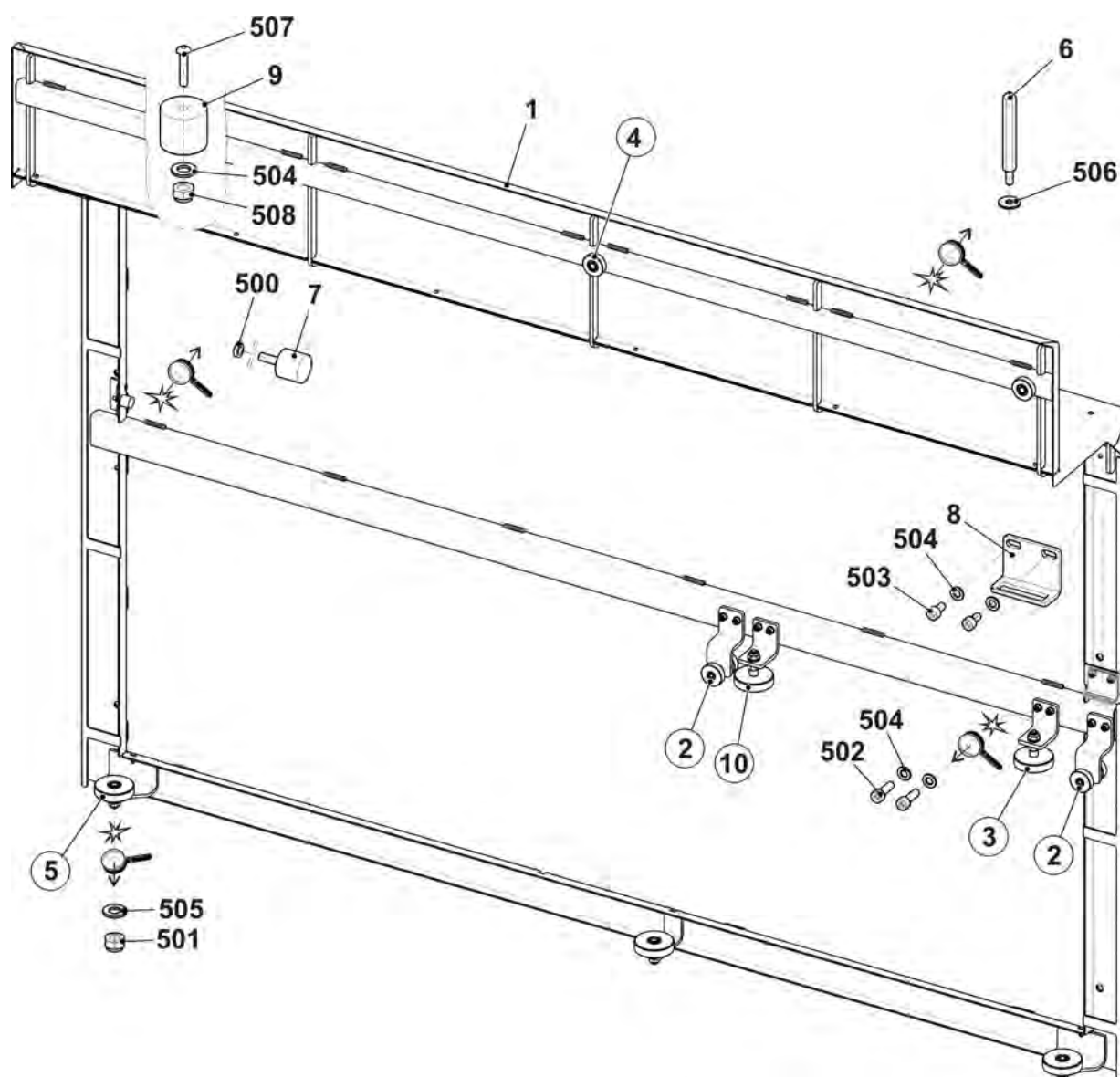
12.4 Light curtain

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety light curtain complete	264 277	4	Right yoke	264 780
1	Safety light curtain cascade	264 266	7	Connection cable of light curtain ADF	264 271
2	Safety light curtain ending device	264 267	500	Cap screw M6x16	020 135
3	Yoke on the Left	264 779	501	Washer 6	022 431



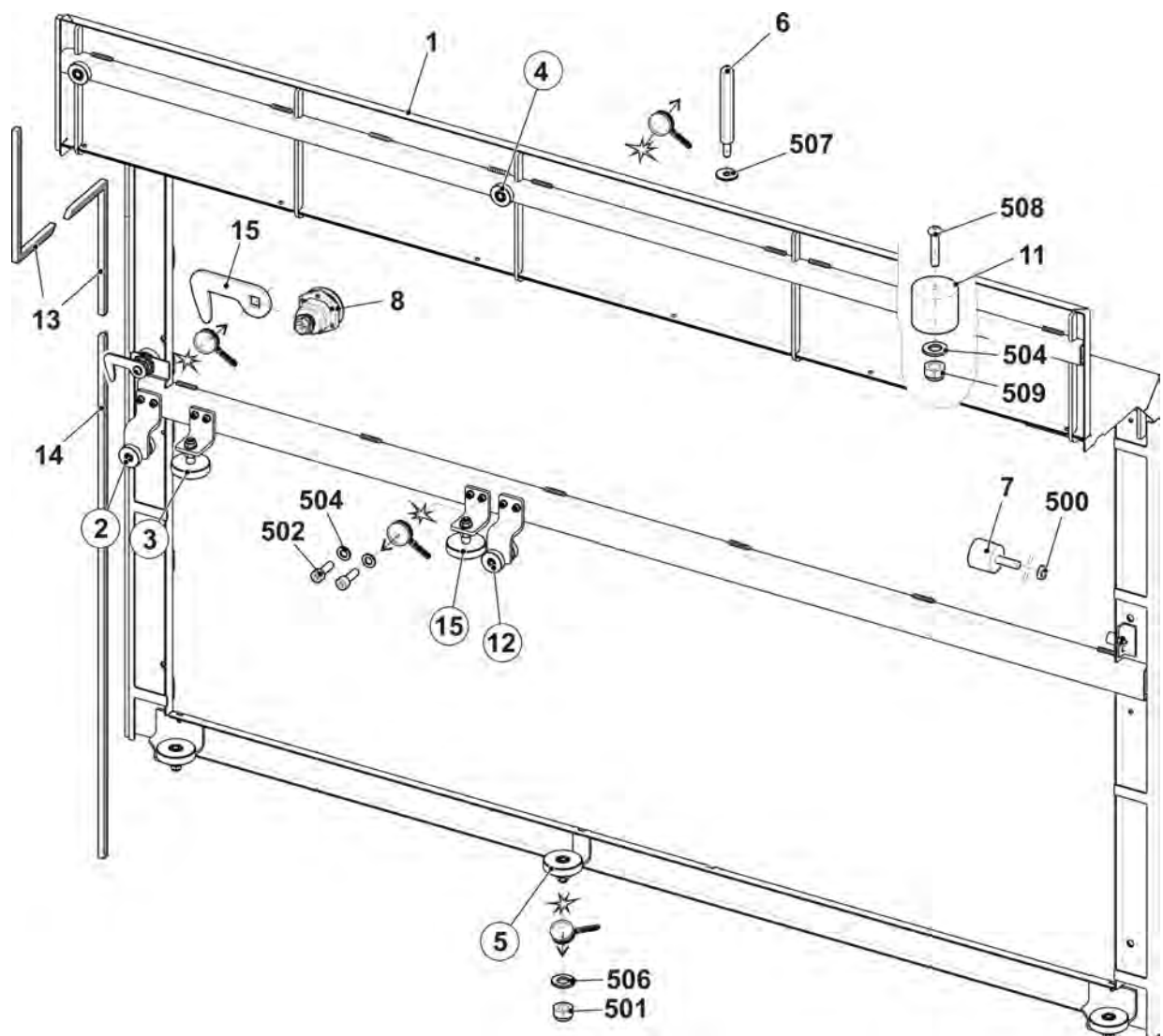
12.5 Left table

Pos	Designation	Id	Pos	Designation	Id
Σ	Left table complete	264 238	10	Roller guide in the middle	265 169
1	Left table	264 081	500	Hexagon nut M4	020 853
2	Roller guide in the middle complete	263 621	501	Hexagon nut M8	022 843
3	Roller guide in the middle complete	263 622	502	Cap screw M5x16	022 726
4	Roller guide at the top complete	263 624	503	Cap screw M5x10	022 918
5	Roller guide at the bottom complete	263 631	504	Washer 8	020 871
6	Positioning pin	204 819	505	Washer 8	020 873
7	Bumper	263 006	506	Serrated washer 5	020 901
8	Retaining plate	265 732	507	Pan-head screw M5x25	259 834
9	Guide bolt	264 332	508	Hexagon nut M5	023 541



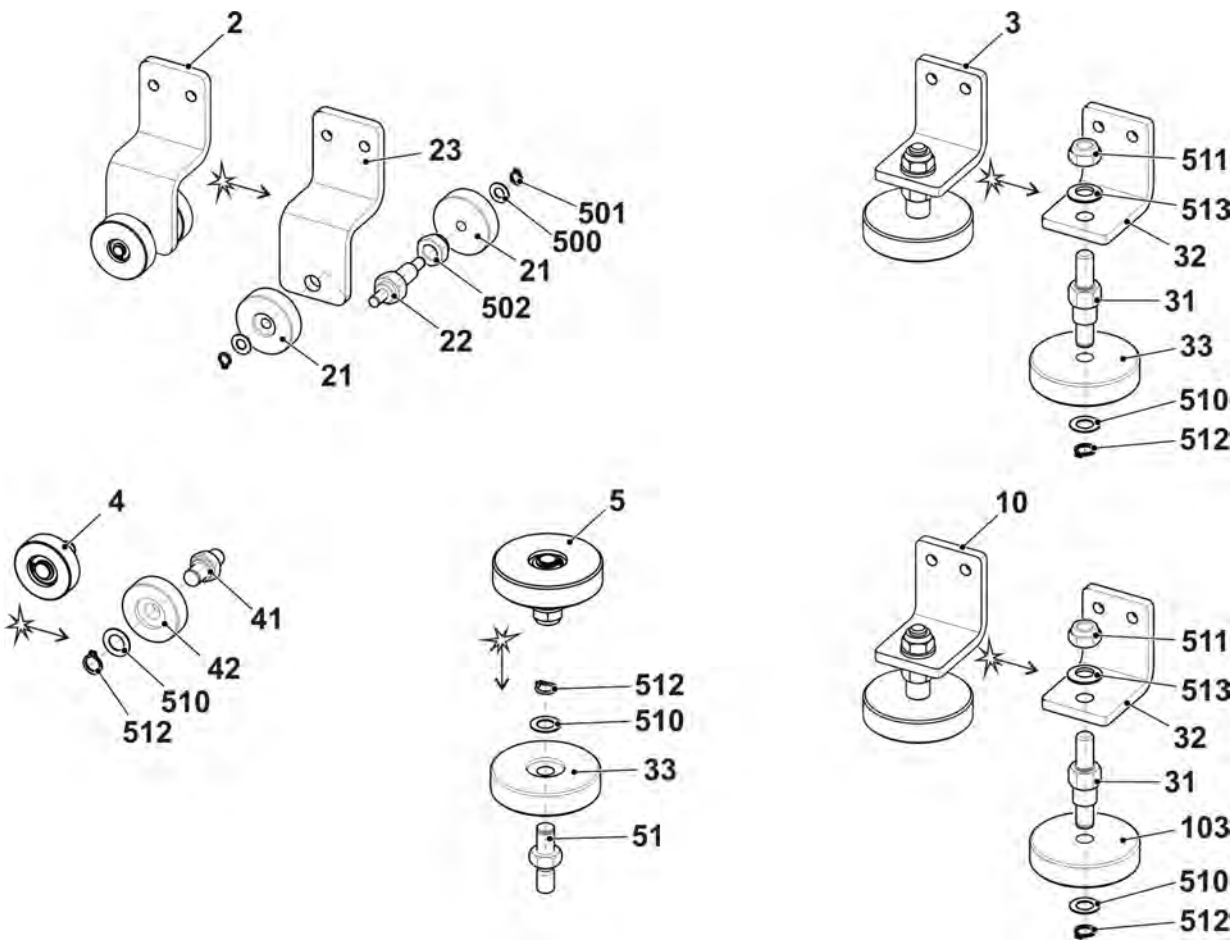
12.6 Right table

Pos	Designation	Id	Pos	Designation	Id
Σ	Right table complete	264 239			
1	Right table	264 078	14	Foam rubber stripes	263 544
2	Roller guide in the middle complete	263 621	15	Roller guide in the middle	265 169
3	Roller guide in the middle complete	263 622	500	Hexagon nut M4	020 853
4	Roller guide at the top complete	263 624	501	Hexagon nut M8	022 843
5	Roller guide at the bottom complete	263 631	502	Cap screw M5x16	022 726
6	Positioning pin	204 819	503	Pan-head screw M6x10	023 666
7	Bumper	263 006	504	Washer 5	020 871
8	Safety sash fastener of cabinet	265 970	505	Washer 6	020 872
10	Locking bar	264 096	506	Washer 8	020 873
11	Guide bolt	264 332	507	Serrated washer 5	020 901
12	Roller guide in the middle complete	266 592	508	Pan-head screw M5x25	259 834
13	Foam rubber stripes	263 547	509	Hexagon nut M5	023 541

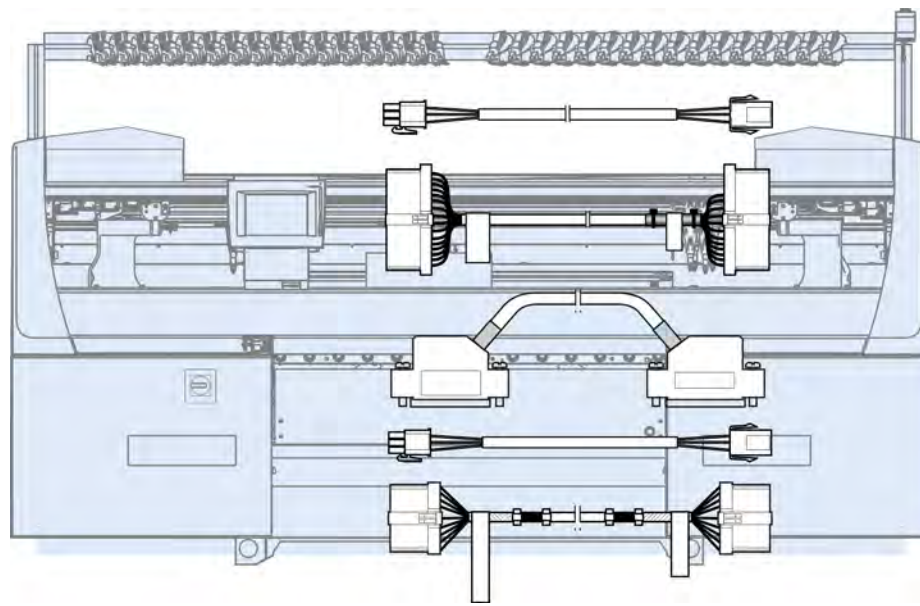


12.7 Table left and right, rollers

Pos	Designation		Id	Pos	Designation		Id
Σ2	Roller guide in the middle complete		263 621	Σ5	Roller guide at the bottom complete		263 631
	21	Roll	263 016		51	Bearing bolt	262 997
	22	Bolts	263 015	Σ10	Roller guide in the middle		265 169
	23	Support	264 085		103	Roll	265 060
Σ3	Roller guide in the middle complete		263 622	500	Shim ring 5x10x1,5		023 348
	31	Bolts	263 012	501	Retaining ring5x0,6		023 347
	32	Support	264 089	502	Hexagon nut M8		022 843
	33	Roll	262 998	510	Shim ring 8x14x0,5		023 501
Σ4	Roller guide at the top complete		263 624	511	Hexagon nut M8		022 843
	41	Bearing bolt	263 478	512	Retaining ring8x0,8		020 949
	42	Roll	262 999	513	Washer 8		020 873



13 Electrical equipment



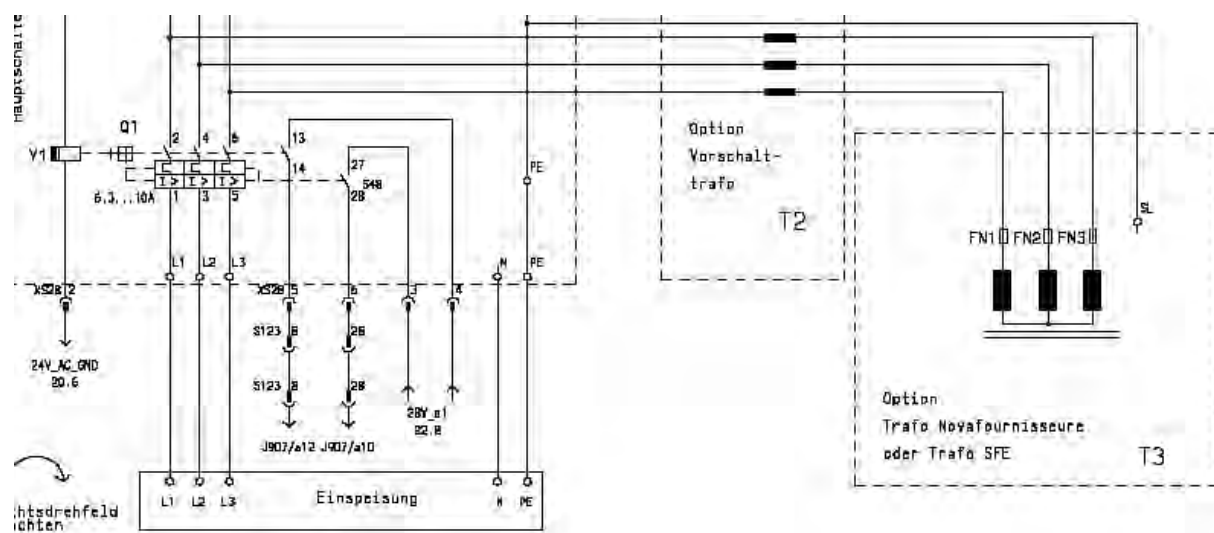
13.1 Fuses

	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

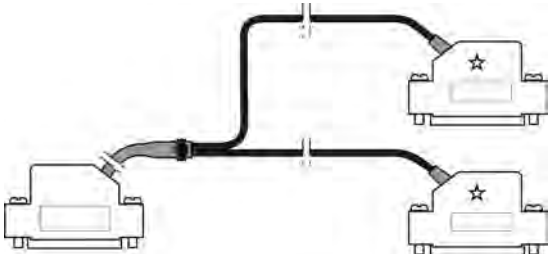
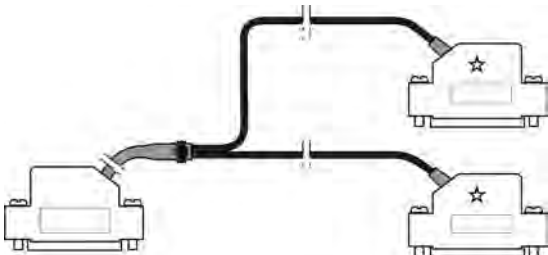
13.2 Circuit diagram (222) as PDF

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

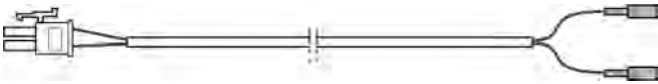
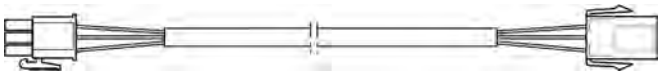
You will find the circuit diagram 222 on the CMS documentation DVD with the ID no. 257 157



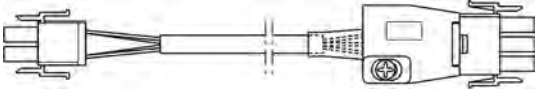
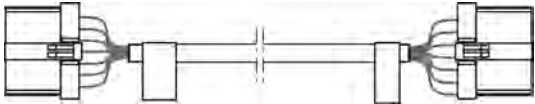
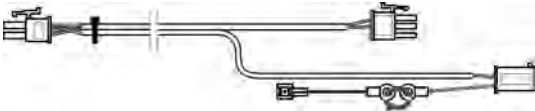
13.3 Cable guide front and rear ADF

Designation		ID	Designation		ID
Σ	Front cable guide complete ADF	258 279			
1	Cable impulse sensor 2 at the front XR137 ADF	265 522	2	Cable carriage at the front XR333 ADF	265 520
					
Σ	Rear cable guide complete ADF	258 280			
1	Cable impulse sensor 2 at the rear XR136 ADF	265 521	2	Cable carriage at the rear XR332 ADF	265 519
					

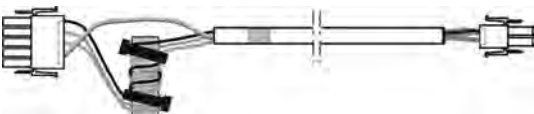
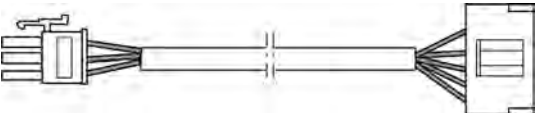
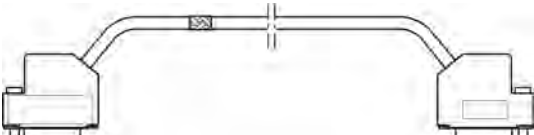
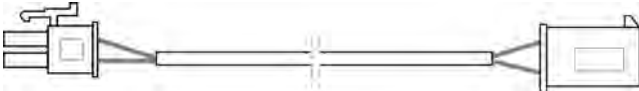
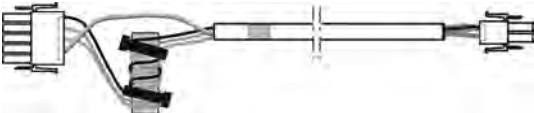
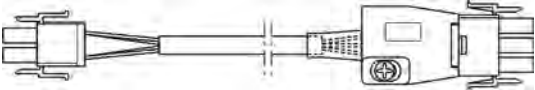
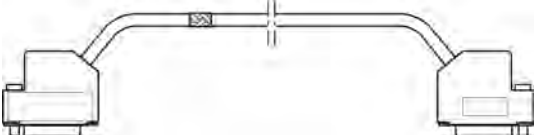
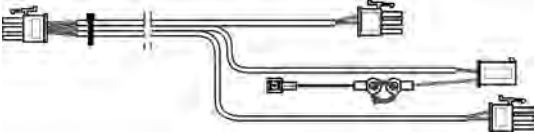
13.4 Cable set installation

Designation		Id	Designation		Id
Σ	Cable set installation AFDF	259 103			
1	Loom of cables base 1 AFDF	259 104	3	Loom of cables 5XX AFDF	263 750
2	Loom of cables base 2AFDF	259 105	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
					

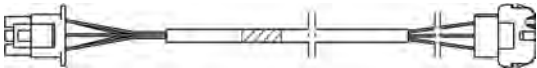
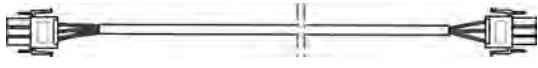
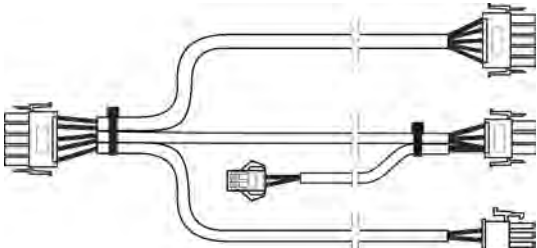
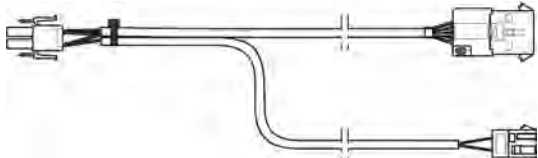
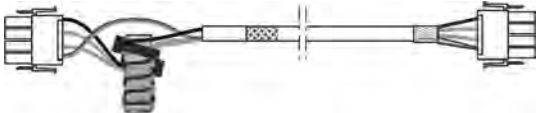
13.4.1 Cable set base 1 AFDF

Designation		Id	Designation		Id
Σ	Loom of cables base 1 AFDF	259 104			
1	Cable feed wheel on the left 50" OKC	240 464	4	Cable CAN 72" OKC	240 460
					
2	Cable Engaging rod ECO2	252 538	5	Cable +40 servo AFDF	259 107
					
3	Cable protective device on the left 5XX	264 750	6	Cable data servo AFDF	259 108
					

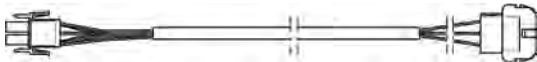
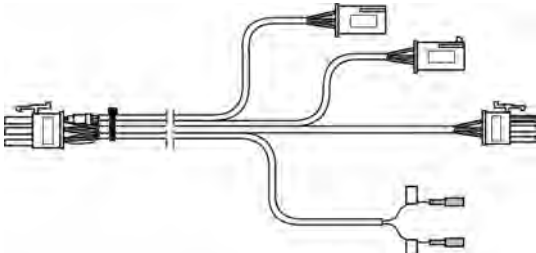
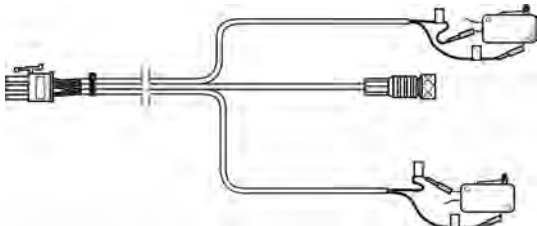
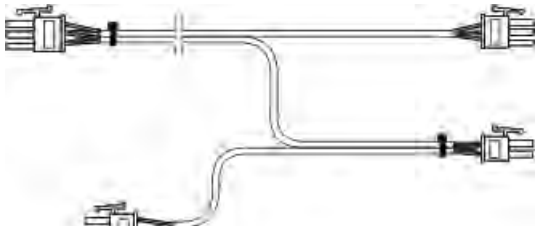
13.4.2 Loom of cables base 2 AFDF

Designation	Id	Designation	Id
Σ Loom of cables base 2 AFDF	259 105		
1 Cable motor HAAB OKC	240 291	6 Cable racking motor OKC 3XX	240 297
			
2 Cable racking limit switch OKC 3XX	240 292	7 Cable resolver racking OKC 3XX	240 298
			
3 Fan cable of Main Drive Motor AFDF	261 712	8 Cable drive motor AFDF	259 109
			
4 Cable Feed wheel on the right OKC 3XX	240 294	9 Cable resolver drive AFDF	259 110
			
5 Cable protective device on the right 5XX	264 751		
			

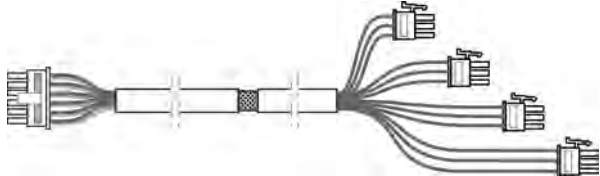
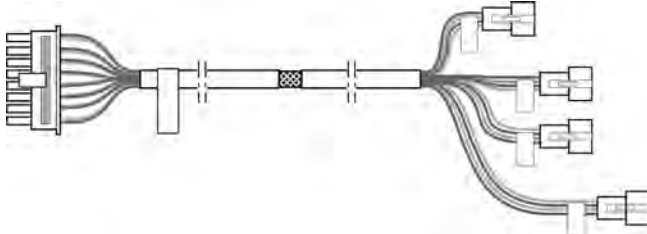
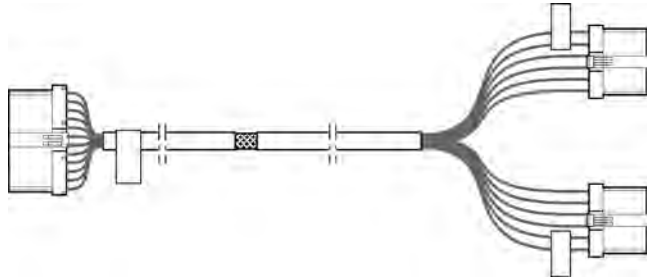
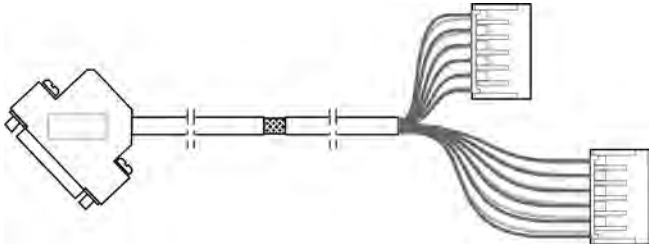
13.4.3 Loom of cables 5XX ADF

Designation	Id	Designation	Id
Σ Loom of cables 5XX ADF	263 750		
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		
			

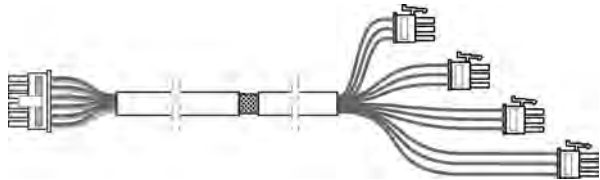
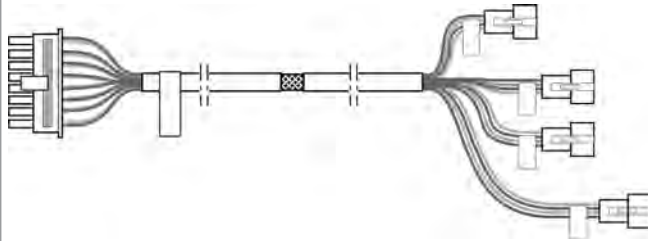
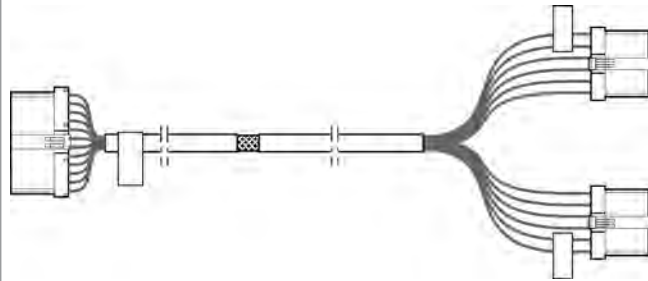
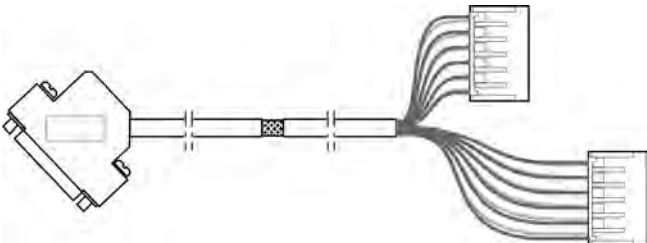
13.4.4 Loom of cables comb

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			
					

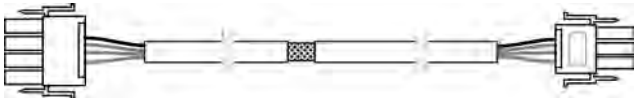
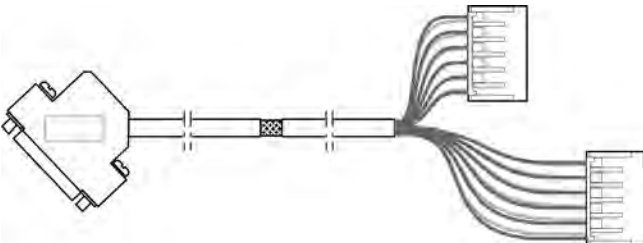
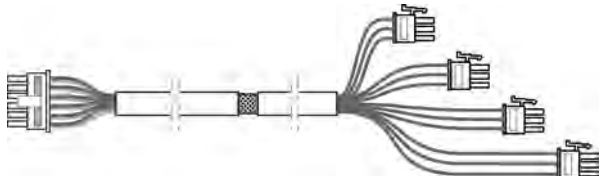
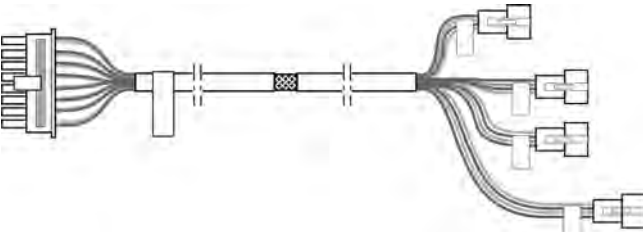
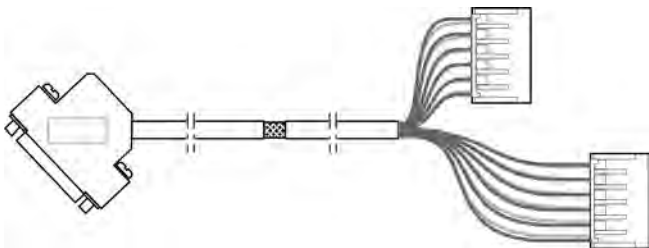
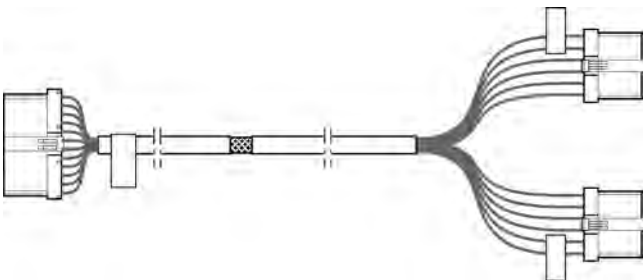
13.5 Loom of cables servo AFDF left 16-fold

Designation	Id	Designation	Id
Σ Loom of cables servo AFDF left 16-fold	259 351		
1 Cable left servo motor AFDF in the middle front 2	259 179	7 Cable SM left AFDF in the middle front 2	259 196
2 Cable left servo motor AFDF in the middle front 2	259 180	8 Cable SM left AFDF in the middle rear 3	259 197
			
3 Cable resolver left AFDF in the middle front 2/1	259 188	9 Cable angle sensor left AFDF in the middle front 2	259 204
4 Cable resolver left AFDF in the middle front 2/2	259 344	1 Cable angle sensor AFDF in the middle rear 0 3	259 205
5 Cable resolver left AFDF in the middle rear 3/1	259 189		
6 Cable resolver left AFDF in the middle rear 3/2	259 345		

13.6 Loom of cables servo AFDF left 32-fold

Designation	Id	Designation	Id
Σ Loom of cables servo AFDF left 32-fold	259 352		
1 Cable left servo motor AFDF front 1	259 178	7 Cable SM left AFDF front 1	259 195
2 Cable left servo motor AFDF front 4	259 181	8 Cable SM left AFDF rear 4	259 198
			
3 Cable resolver left AFDF front 1/1	259 187	9 Cable angle sensor left AFDF front 1	259 203
4 Cable resolver left AFDF front 1/2	259 343	1 Cable angle sensor left AFDF rear 4	259 206
5 Cable resolver left AFDF rear 4/1	259 190	0	
6 Cable resolver left AFDF rear 4/2	259 346		
			

13.7 Loom of cables servo AFDF right 16-fold

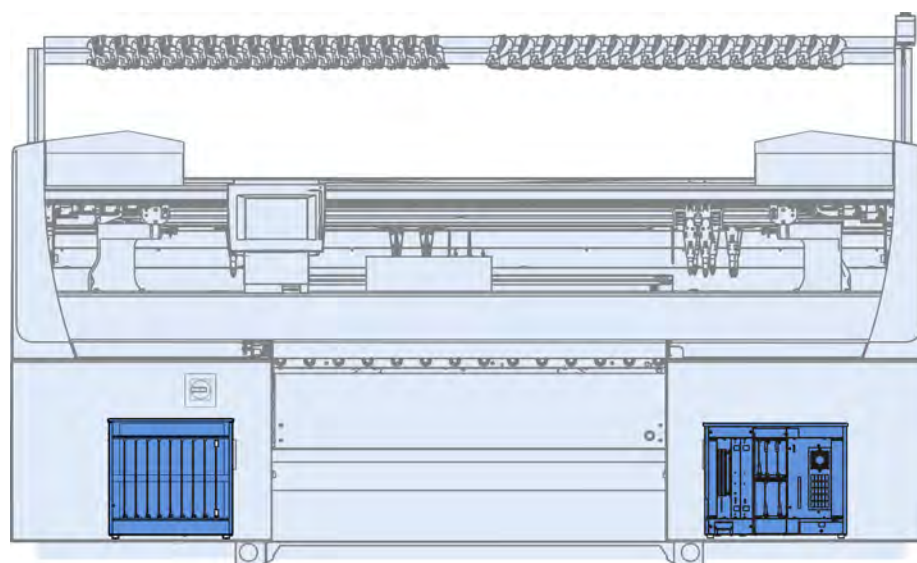
Designation	Id	Designation	Id
Σ Loom of cables servo AFDF right 16-fold	259 353		
1 Cable SPG supply AFDF	258 558	6 Cable resolver right AFDF in the middle rear 3/1	259 193
		7 Cable resolver right AFDF in the middle rear 3/2	259 349
			
2 Cable right servo motor AFDF front 2	259 184	8 Cable SM right AFDF in the middle front 2	259 200
3 Cable right servo motor AFDF front 3	259 185	9 Cable SM right AFDF in the middle rear 3	259 201
			
4 Cable resolver right AFDF in the middle front 2/1	259 192	1 Cable angle sensor right AFDF in the middle front 2	259 208
5 Cable resolver right AFDF in the middle front 2/2	259 348	1 Cable angle sensor right AFDF in the middle rear 3	259 209
			

13.8 Loom of cables servo AFDF right 32-fold

Designation		Id	
Σ	Loom of cables servo AFDF right 32-fold	259 354	
1	Cable right servo motor AFDF front 1	259 183	
2	Cable right servo motor AFDF front 4	259 186	
			
3	Cable resolver right AFDF front 1/1	259 191	
4	Cable resolver right AFDF front 1/2	259 347	
5	Cable resolver right AFDF rear 4/1	259 194	
6	Cable resolver right AFDF rear 4/2	259 350	
			

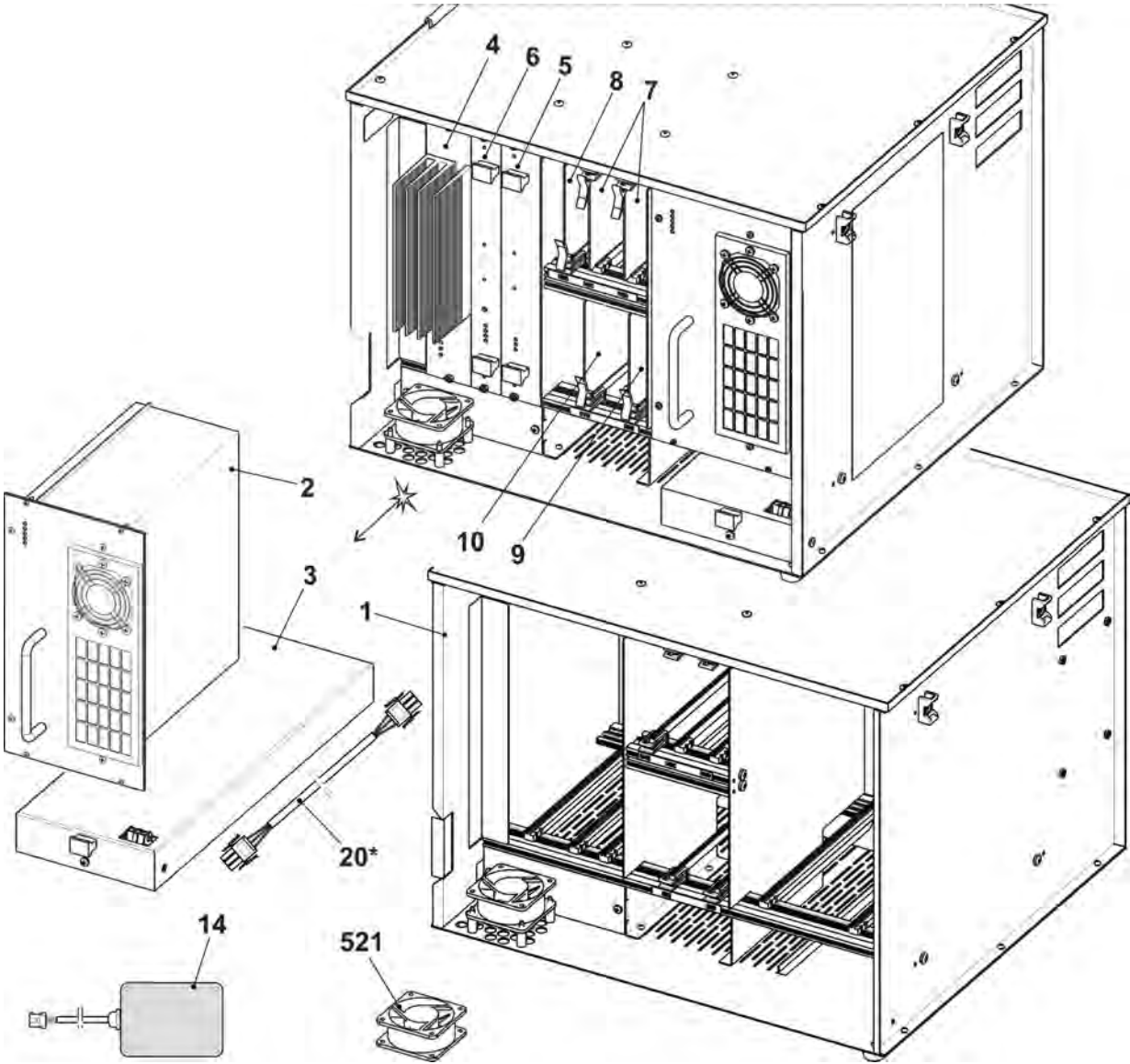
Designation		Id	
7	Cable SM right AFDFfront 1	259 199	
8	Cable SM right AFDF rear 4	259 202	
			
9	Cable angle sensor right AFDF front 1	259 207	
10	Cable angle sensor right AFDF rear 4	259 210	
			

14 Control electronics



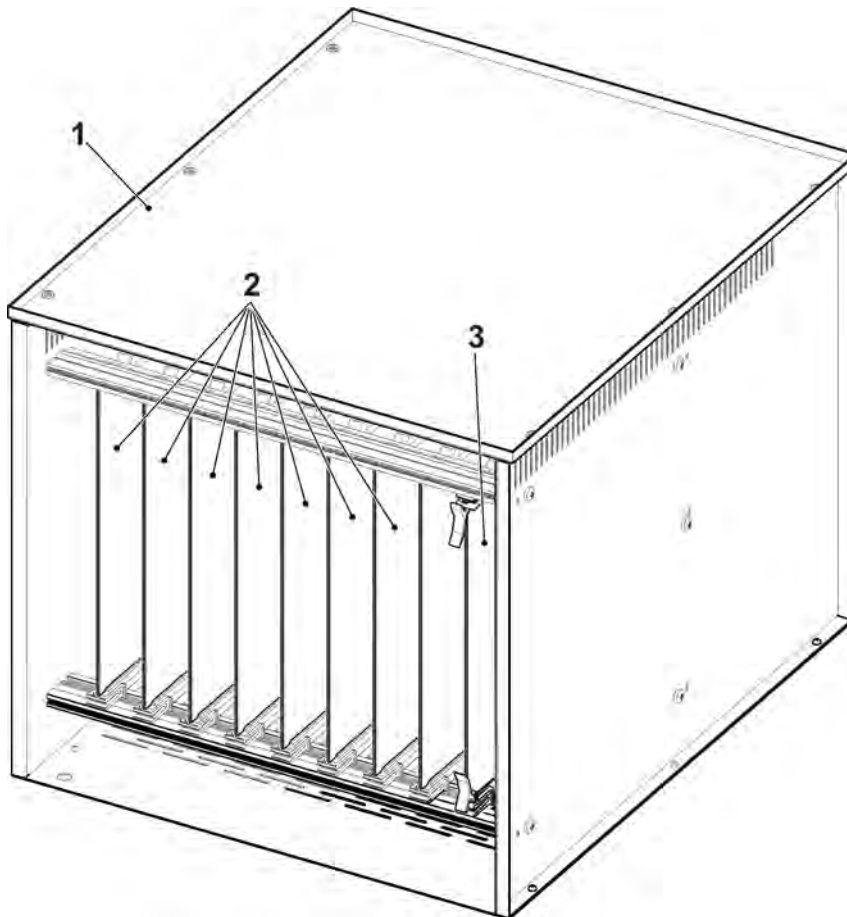
14.1 Right control cabinet

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit on the right complete ADF	259 043	6	Card BIO ADF	301 036
1	Control unit on the right without equip- mentAFDF	259 044	7	Card final stages 4SM 7TE	300 943
	521 Axial blower Servo 5	229 059	8	Card N-CPU 432F	301 014
2	Power supply unit CG54	300 923	9	Card Power CPU B	301 009
3	Battery plug-in unit	301 008	10	Card IPC P9X S 01	264 480
4	Card Servo 6	301 000	14	Safety relay for light curtain	264 233
5	Card C-WAZ ECO2	301 006	20*	Cable of plug-in battery unit ECO2	252 375



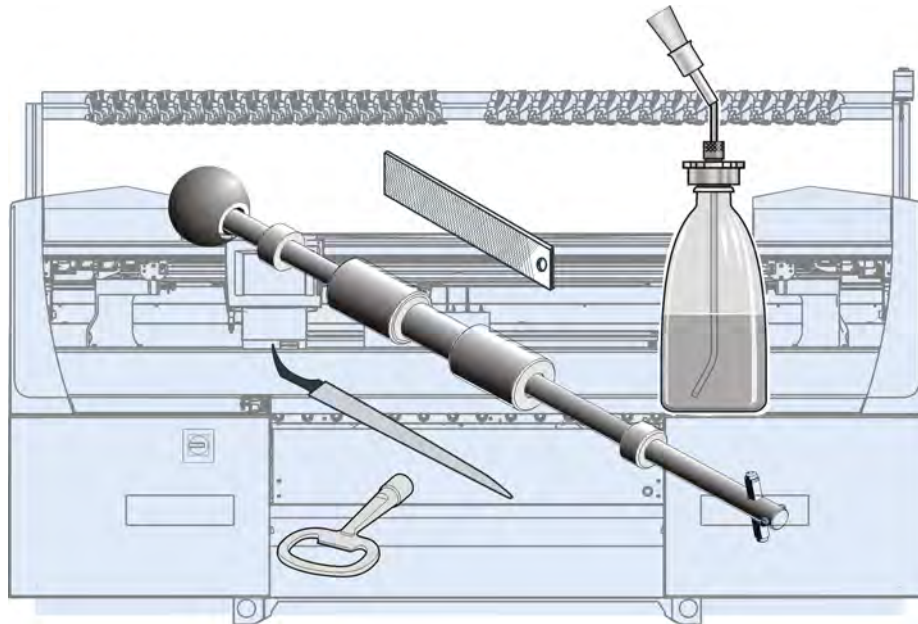
14.2 Left control cabinet

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit on the left complete ADF	259 045	2	Card servoFF	301 013
1	Control unit on the left without equip- mentAFDF	259 046	3	Power supply card 40 V AFDF	301 036



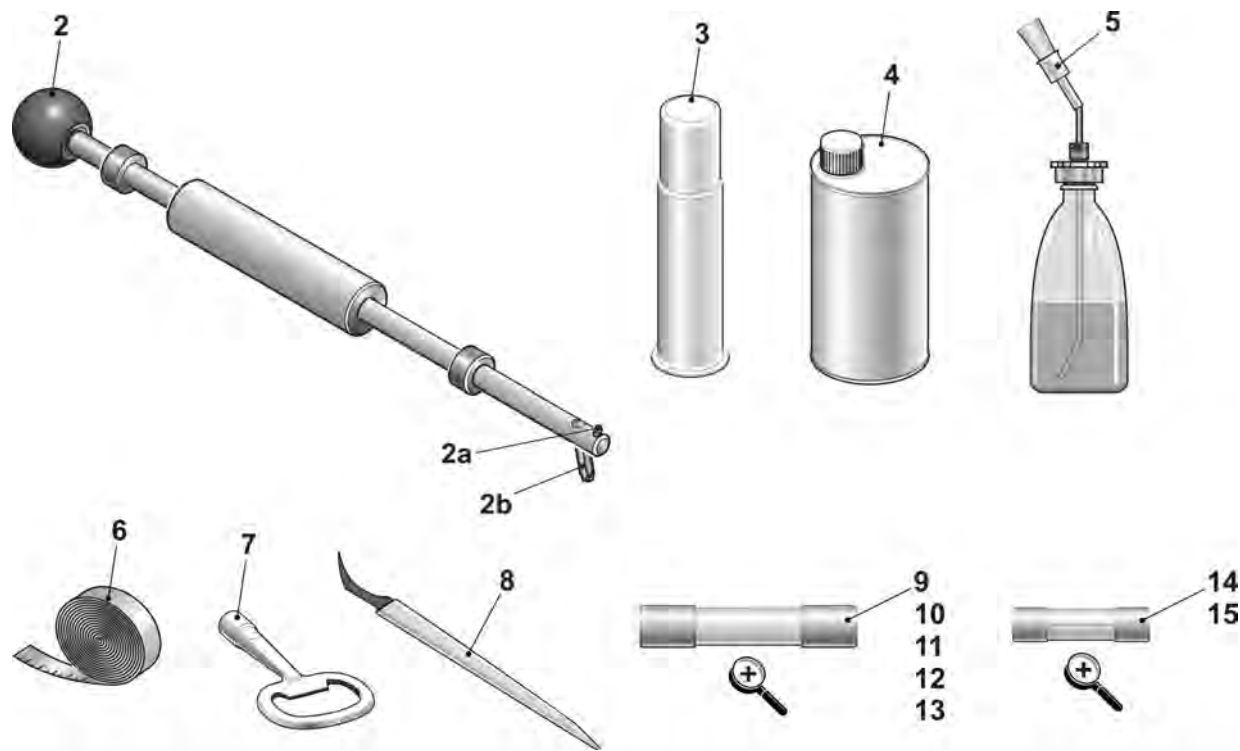
15 Deliverable accessories

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



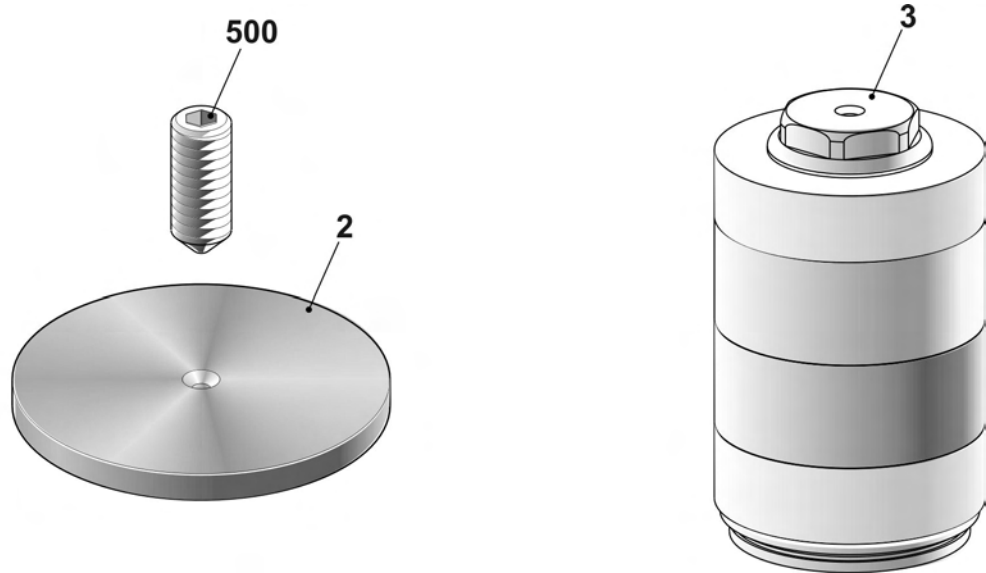
15.1 Accessories part 1

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

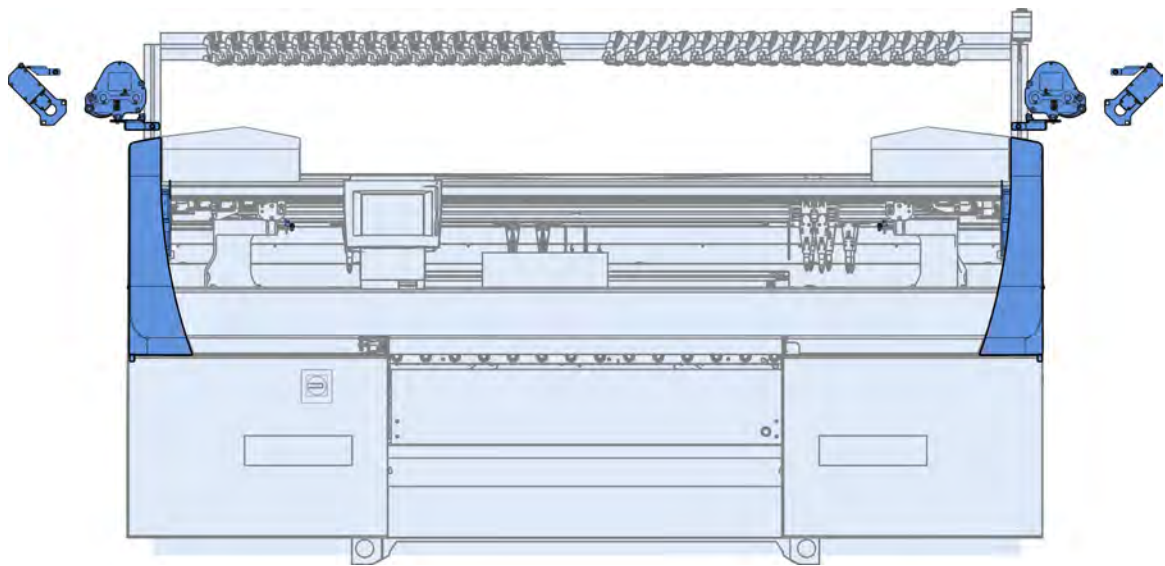


15.2 Accessories part 2

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories standard part 2	265 183	3	Signal lightLED	240 395
2	Shim	056 569	500	Setscrew M16x40	244 061

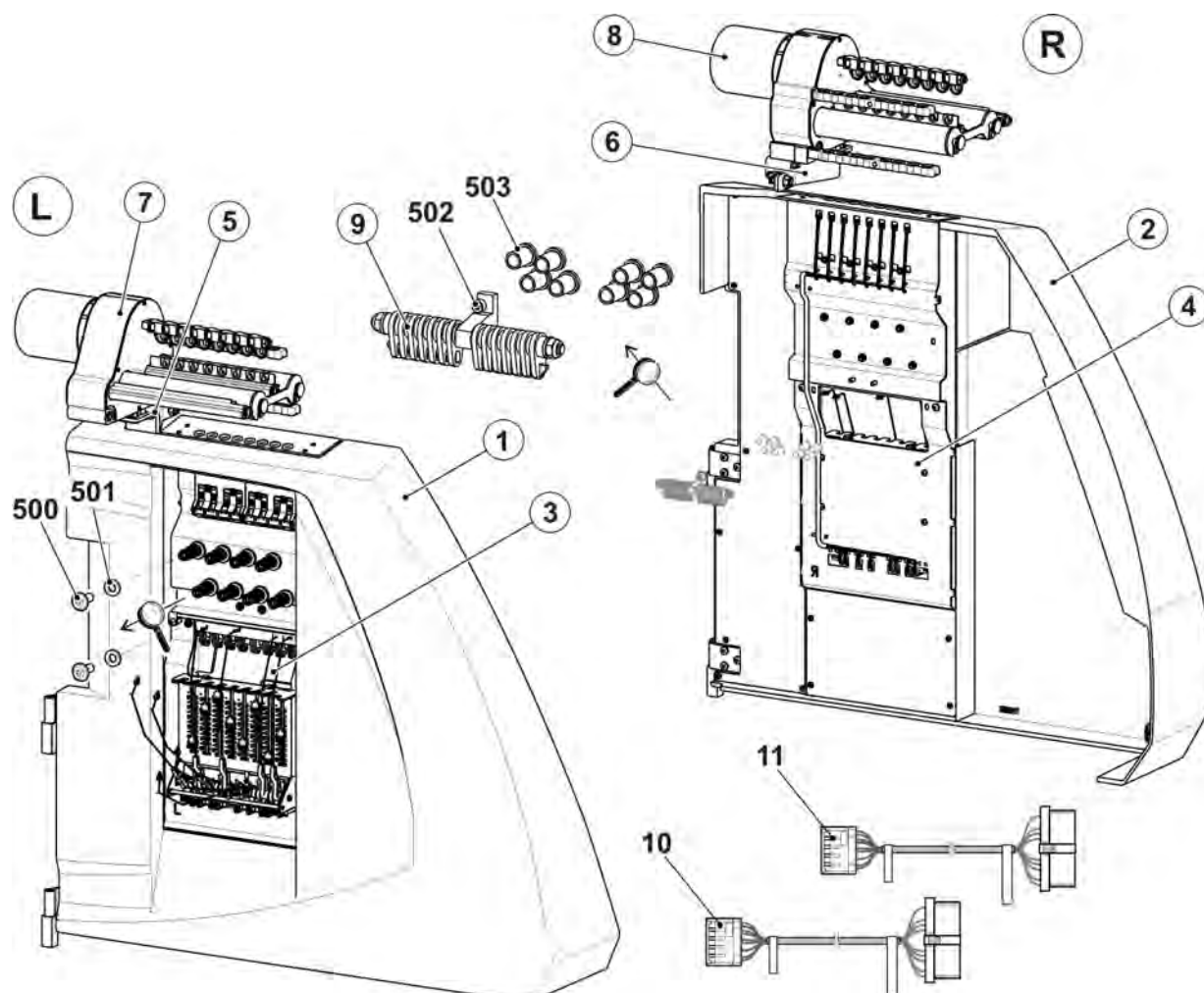


16 Special attachments



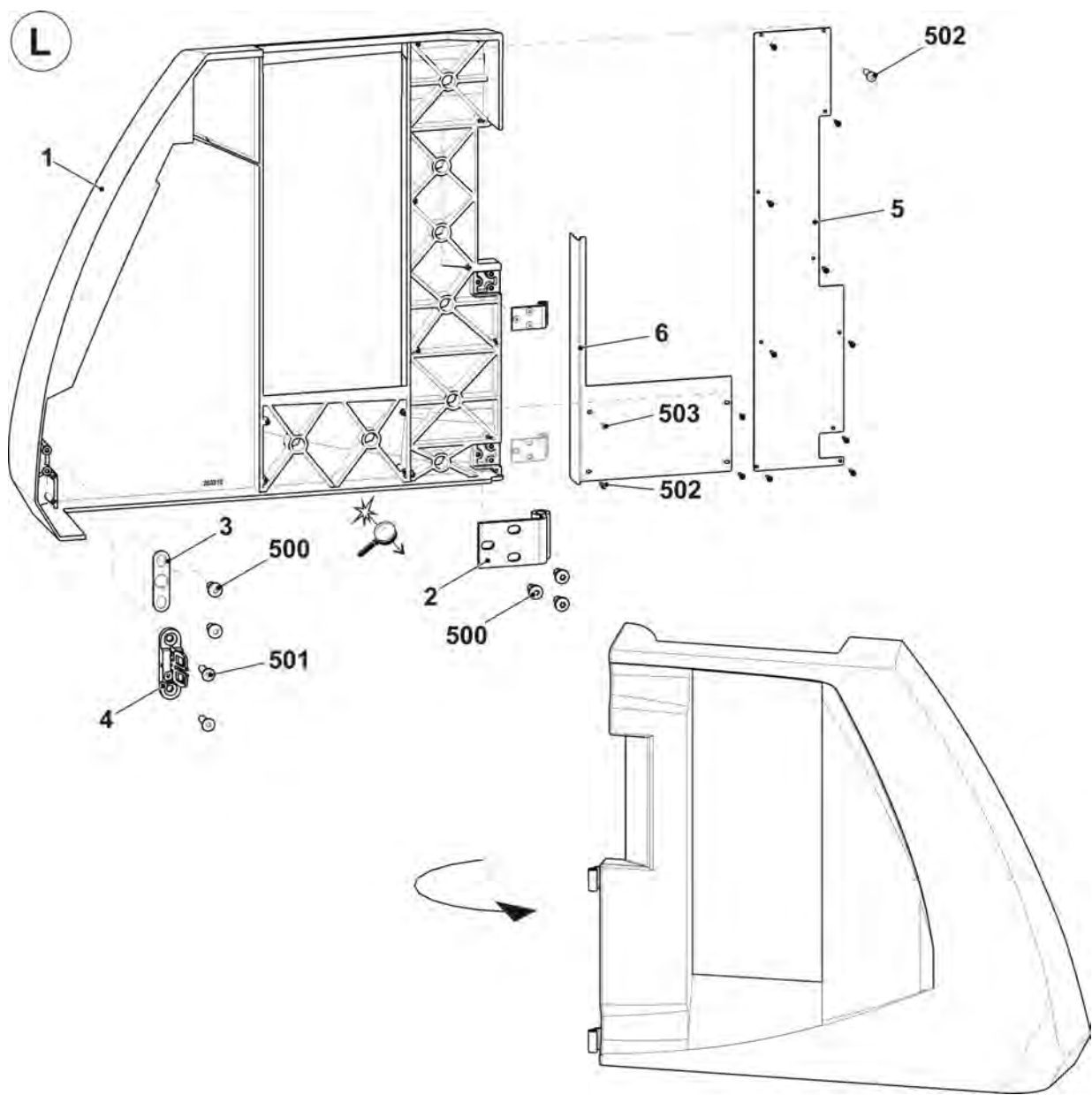
16.1 Lateral yarn feeding

Pos	Designation	ID	Pos	Designation	ID
Σ	Lateral yarn feeding	264 319	8	Friction feed wheel on the right	264 325
1	Safety door on the left complete	263 320	9	Yarn deflector	264 545
2	Safety door on the right complete	263 321	10	Cable AKF ADF XR161 left	264 028
3	Left support complete	263 305	11	Cable AKF ADF XR162 right	264 029
4	Right support complete	263 306	500	Pan head screw M5x12	023 262
5	Left support complete	265 152	501	Serrated lock washer J 5,3	022 489
6	Right support complete	265 153	502	Cap screw M4x10	023 136
7	Friction feed wheel on the left	264 324	503	Eyelet	265 176



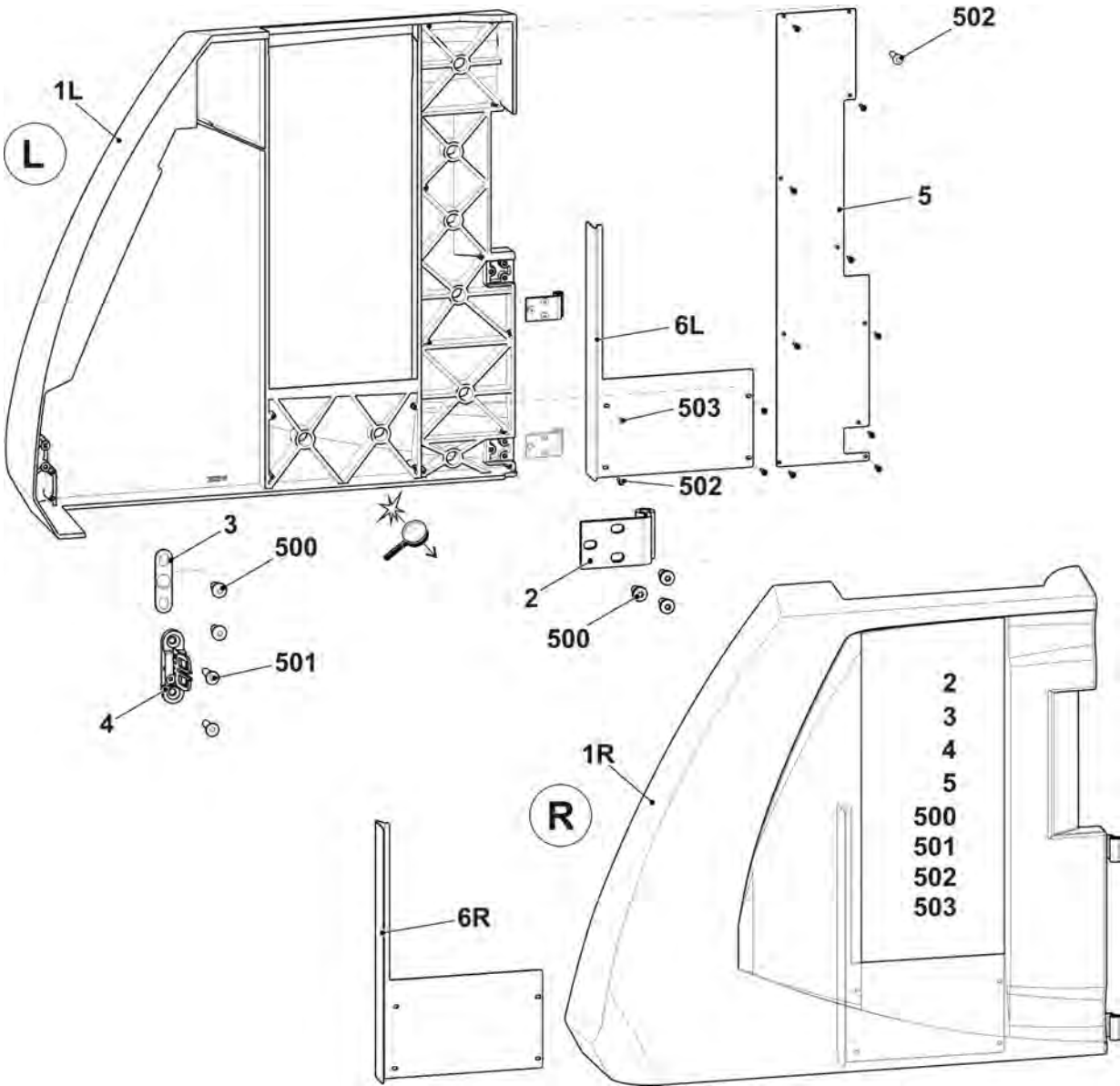
16.1.1 Safety door on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety door on the left complete	263 320			
1	Safety door on the left	263 316	6	Cover plate on the left	264 027
2	Hinge	263 216	500	Screw 6x12	263 996
3	Locking plate	219 748	501	Screw 50x20	263 540
4	Actuator	263 217	502	Screw 4x16	263 995
5	Cover plate	263 980	503	Screw 4x8	263 994



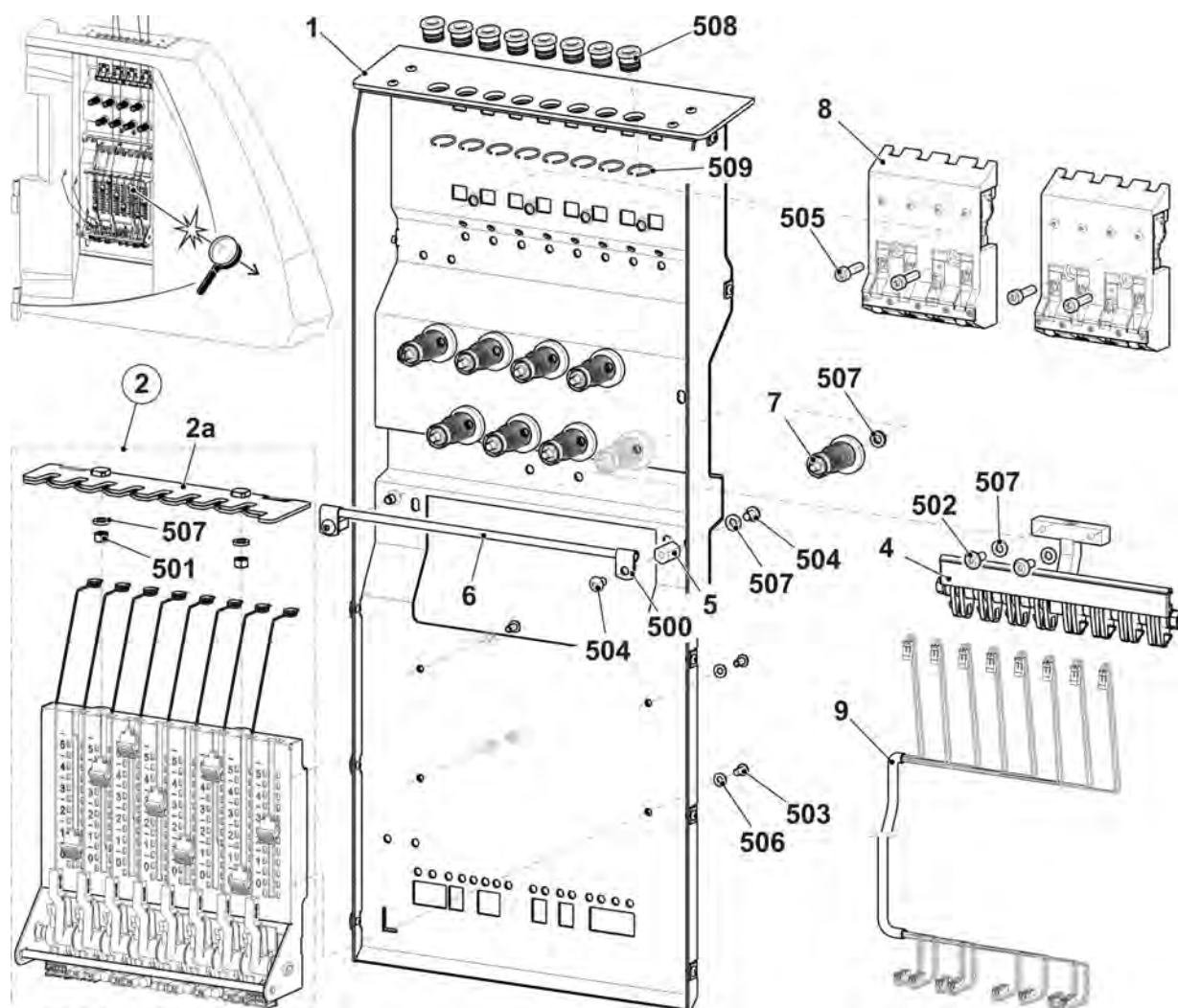
16.1.2 Safety door on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety door on the right complete	263 321			
1	Safety door on the right	263 317	6	Cover plate on the right	264 560
2	Hinge	263 216	500	Screw 6x12	263 996
3	Locking plate	219 748	501	Screw 50x20	263 540
4	Actuator	263 217	502	Screw 4x16	263 995
5	Cover plate	263 980	503	Screw 4x8	263 994



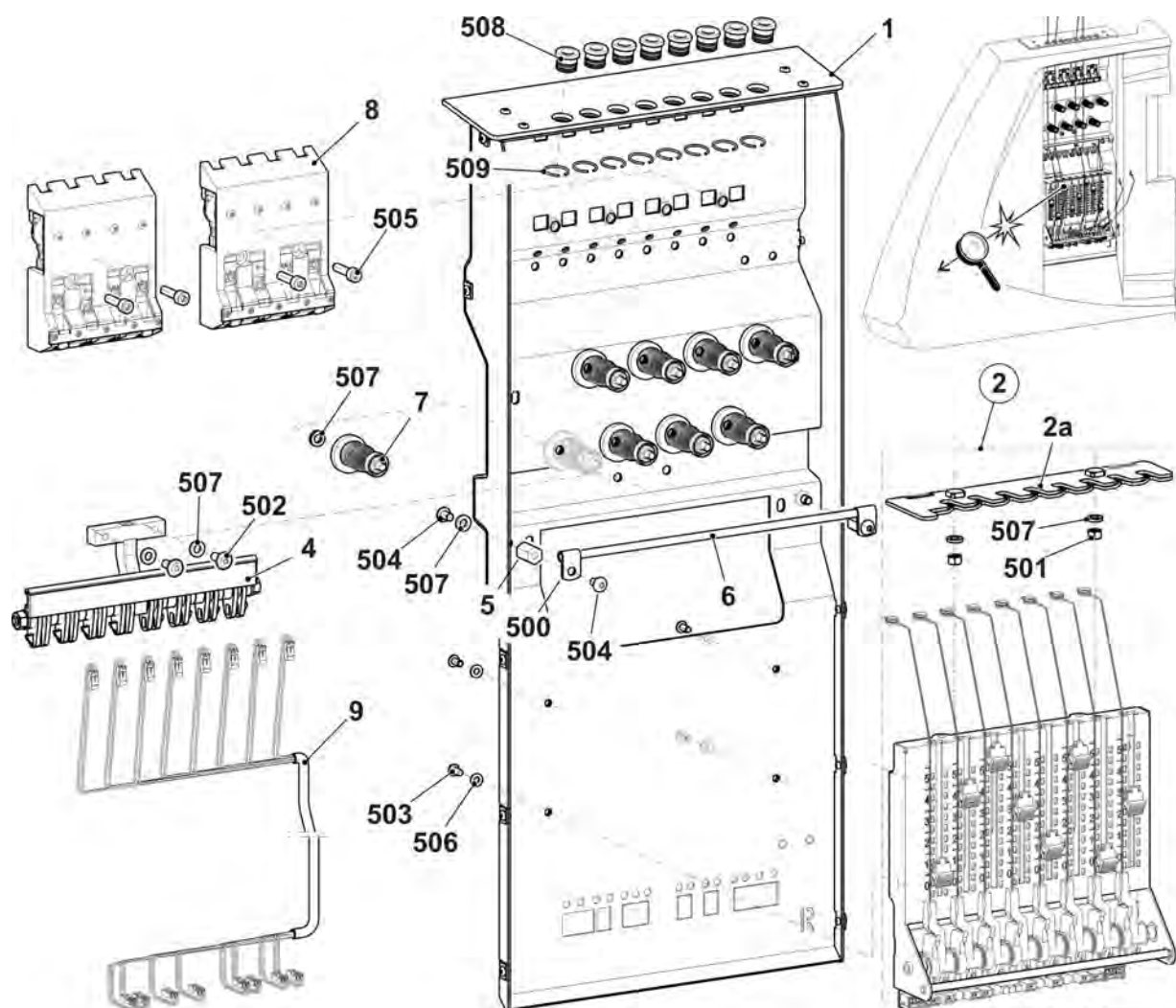
16.1.3 Left yarn guide

Pos	Designation	Id	Pos	Designation	Id
Σ	Left support complete	263 305	8	Thread clamp AKF	263 241
1	Left support	263 299	9	Cover cable AKF	263 493
2	Yarn tensioner complete	263 294	500	Cable clip steel 4,8	258 495
2a	Left fixation complete	263 186	502	Oval flange head screw M5x12	023 262
501	Hexagon nut M5	020 835	503	Flange head screw M4x8	023 579
507	Serrated lock washer J 5,3	022 489	504	Pan-head screw M5x8	239 408
4	Yarn deflector complete	263 266	505	Cap screw M5x20	020 133
5	Distance bolt	263 302	506	Serrated lock washer J 4,3	022 482
6	Shaft	263 301	508	Eyelet 8	021 504
7	Yarn brake	259 440	509	Snap ring A 12	020 996



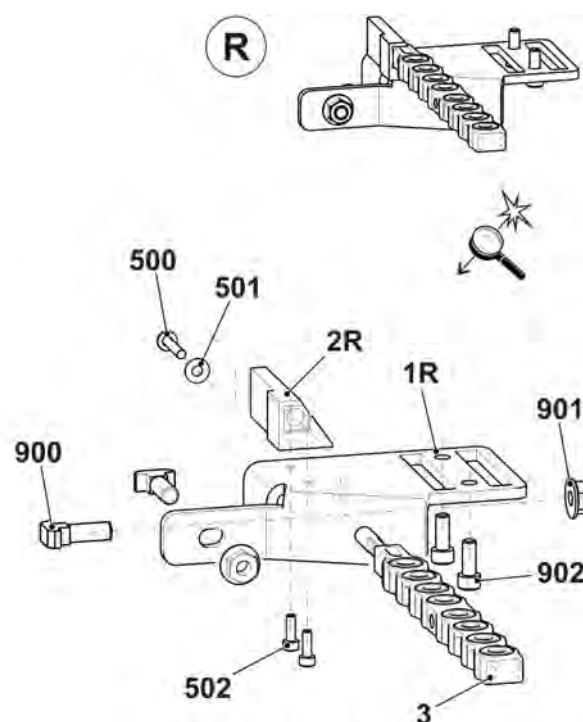
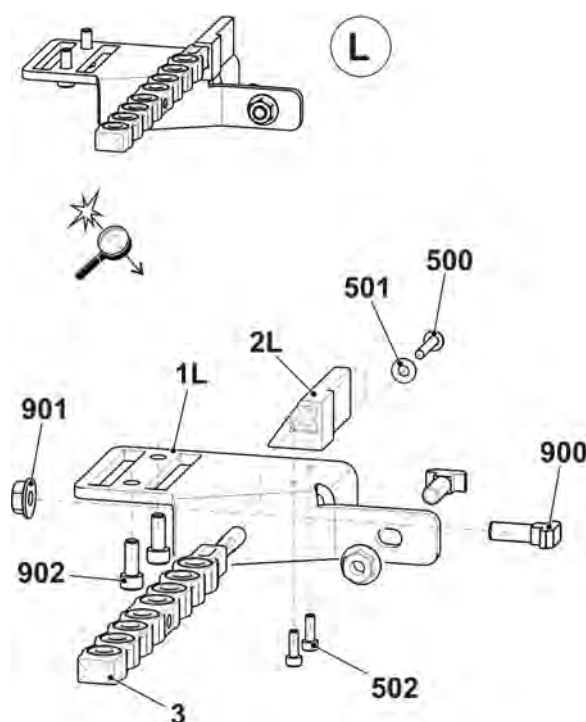
16.1.4 Right yarn guide

Pos	Designation	Id	Pos	Designation	Id
Σ	Right support complete	263 306	8	Thread clamp AKF	263 241
1	Right support complete	263 300	9	Cover cable AKF	263 493
2	Yarn tensioner complete	263 294	500	Cable clip steel 4,8	258 495
2a	Left fixation complete	263 186	502	Oval flange head screw M5x12	023 262
507	Serrated lock washer J 5,3	022 489	503	Flange head screw M4x8	023 579
501	Hexagon nut M5	020 835	504	Pan-head screw M5x8	239 408
4	Yarn deflector complete	263 266	505	Cap screw M5x20	020 133
5	Distance bolt	263 302	506	Serrated lock washer J 4,3	022 482
6	Shaft	263 301	508	Eyelet 8	021 504
7	Yarn brake	259 440	509	Snap ring A 12	020 996



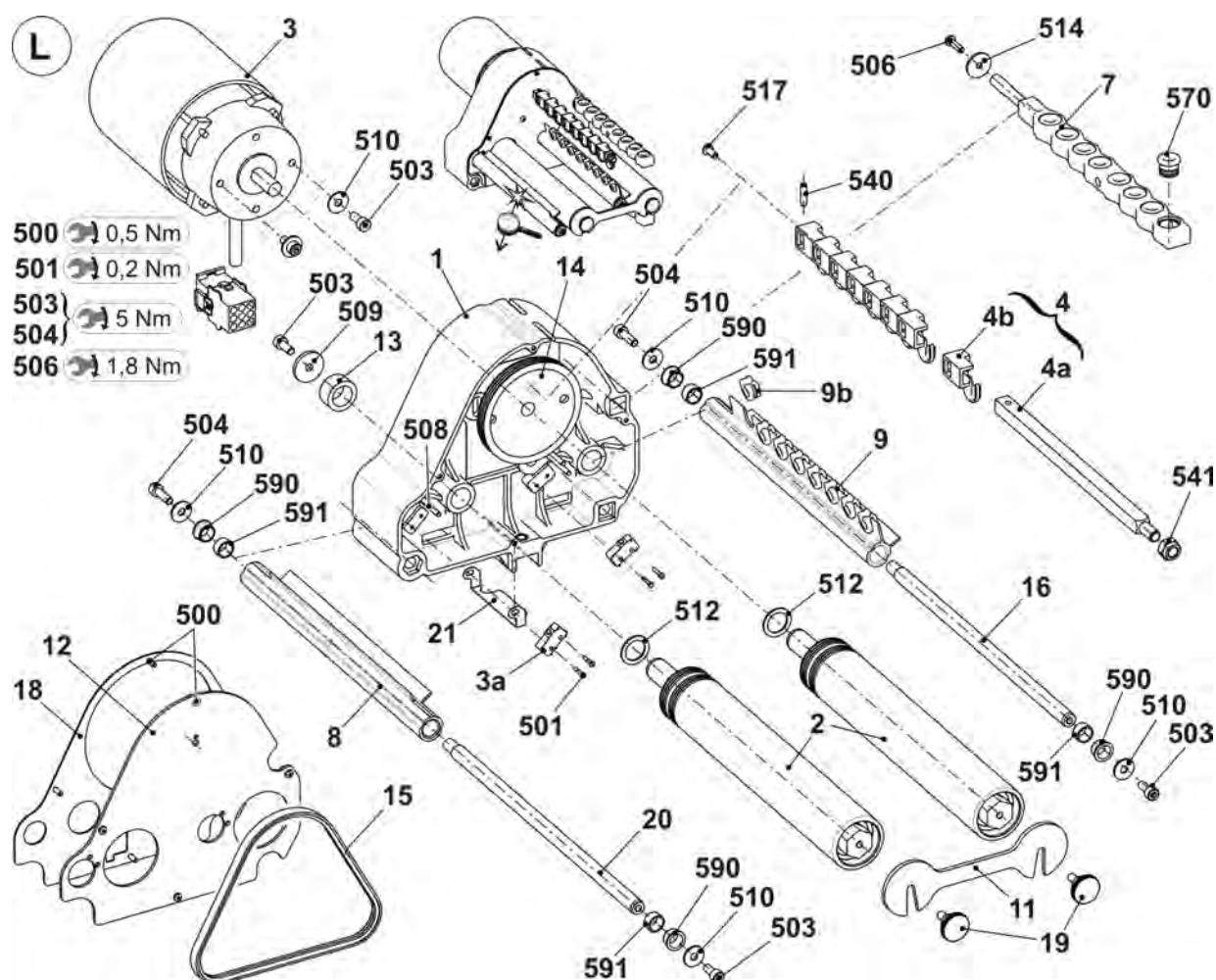
16.1.5 Right and left support complete

Pos	Designation	Id	Pos	Designation	Id
ΣL	Left support complete	265 152	ΣR	Right support complete	265 153
1L	Support of left feed wheel	263 515	1R	Support of right feed wheel	263 516
2L	adaptor	264 308	2R	adaptor	264 309
3	Yarn guide rod complete	239431	3	Yarn guide rod complete	239431
500	Screw KB40x25	241 595	500	Screw KB40x25	241 595
501	Washer 4	020 870	501	Washer 4	020 870
502	Cap screw M4x12	022 664	502	Cap screw M4x12	022 664
900	T-head bolt M8x25	022 866	900	T-head bolt M8x25	022 866
901	Serrated nut M8-10	023 026	901	Serrated nut M8-10	023 026
902	Cap screw M6x16	020 135	902	Cap screw M6x16	020 135



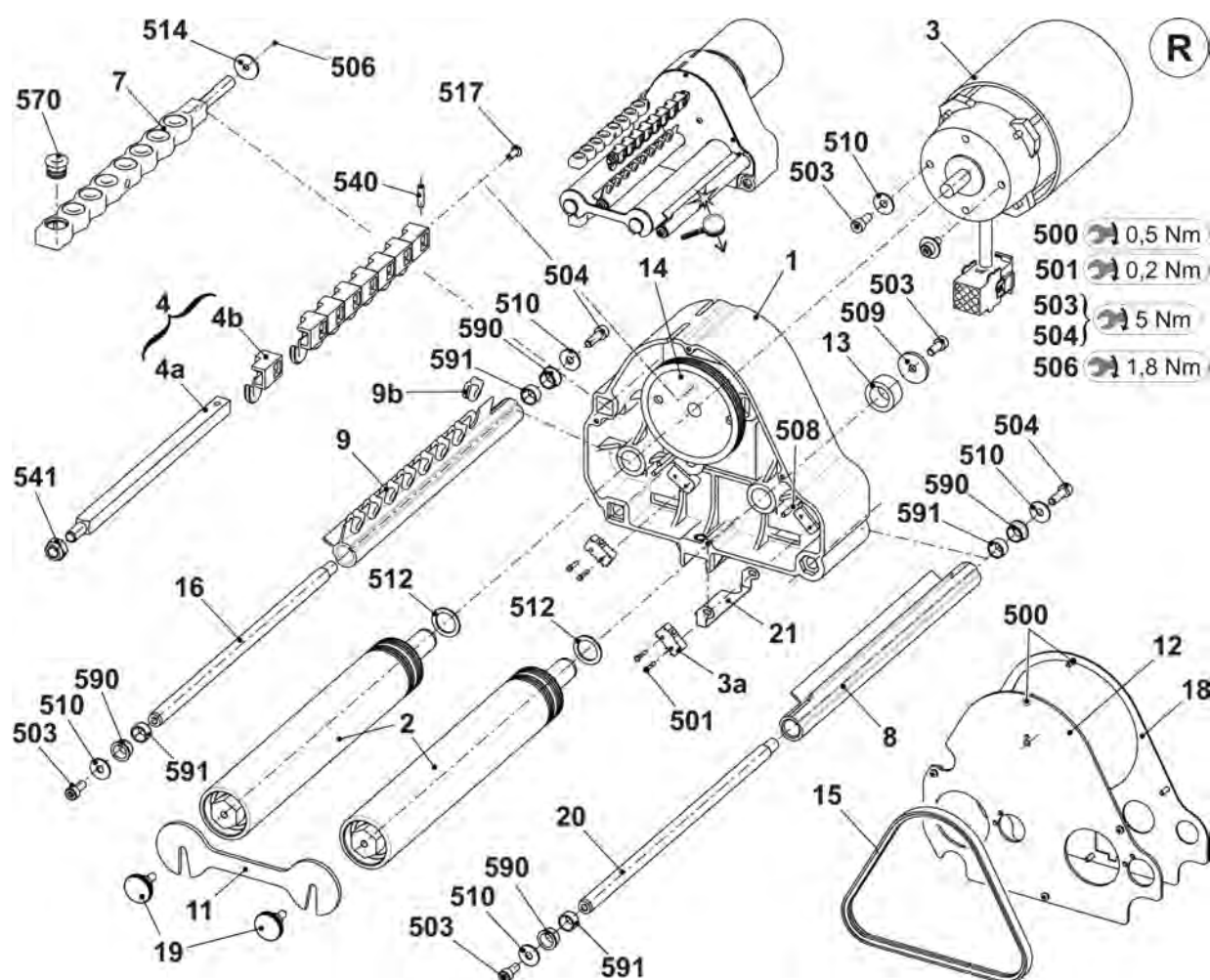
16.1.6 Left friction feed wheel

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 pin 3M6x40	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



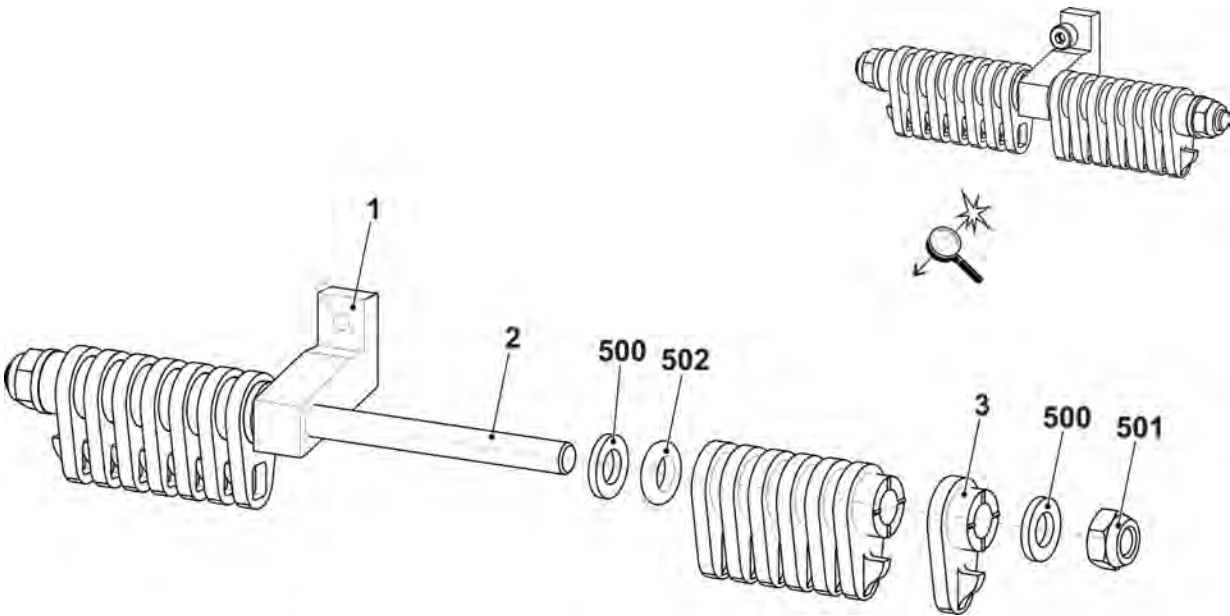
16.1.7 Right friction feed wheel

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



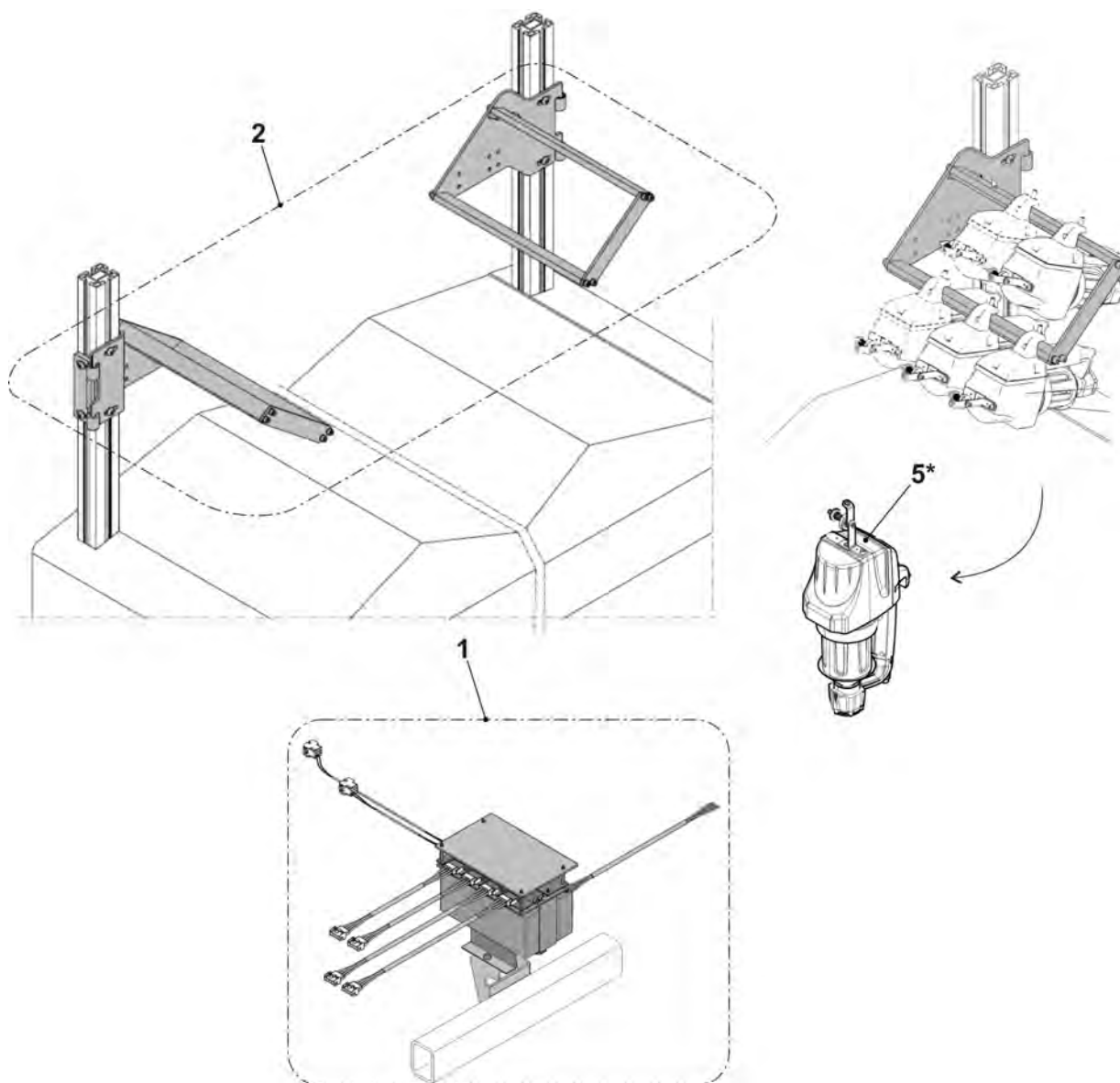
16.1.8 Yarn deflector

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn deflector	264 545			
1	Support	264 456	500	Washer 4	258 495
2	Axle	264 457	501	Hexagon nut M6	020 835
3	Yarn Carriers MH 6	200 127	502	O-ring 6x3	022 856



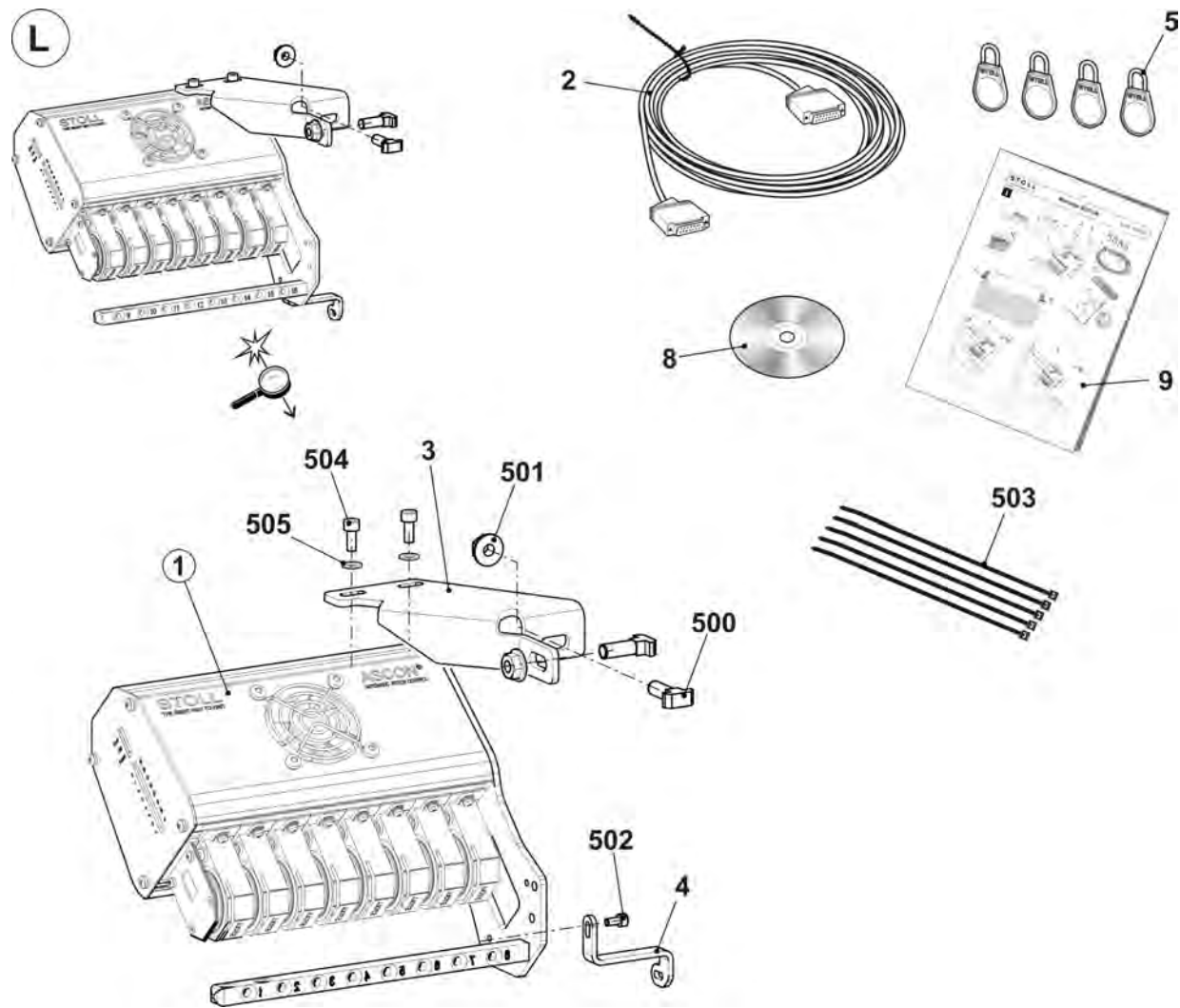
16.2 Storage feed wheel MSF-3 ADF

Pos	Designation	ID	Note
Σ	Assembly kit MSF-3 complete ADF	265 194	Please order the MSF-3 spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Phone: +49 (0)7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the MSF-3 spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.
1	Transformer MSF-3 with cable	265 192	
2	Assembly kit MSF-3 without transformer	265 193	
2a	Ribbon cable four-wire	245 260	
5*	Storage feed wheel	259 604	



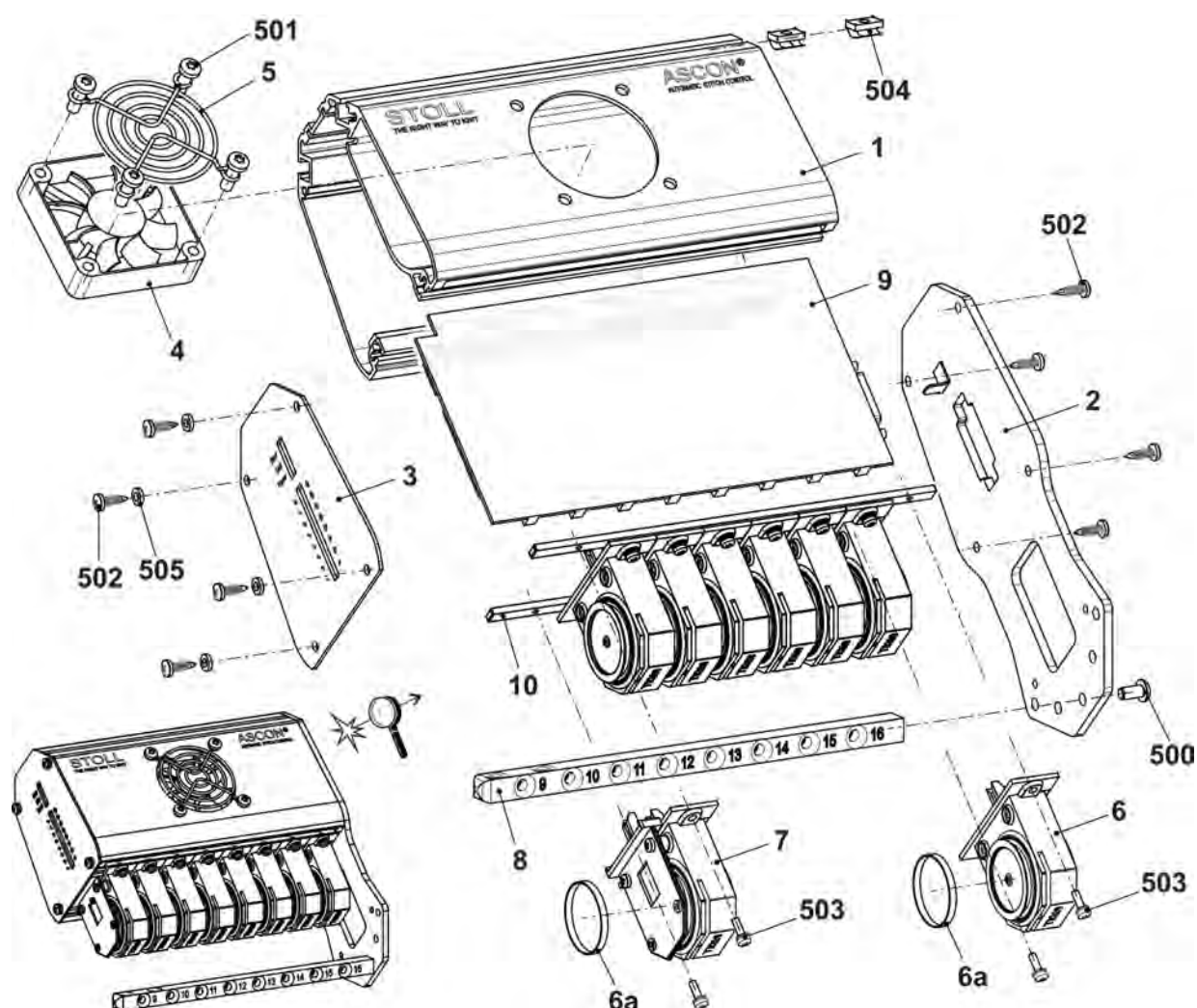
16.3 Yarn length measuring device on the left complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	265 546	9	Operating instructions of ASCON ADF assembly	265 567
1	Yarn length measuring device on the left complete	257 283	500	T-head bolt M8x25	022 866
2	Cable ASCON	257 239	501	Serrated nut M8-10	023 026
3	Support on the left	265 543	502	Cap screw M4x8	022 501
4	Connecting lug on the left	257 137	503	Cable tape 302x4,8	008 642
5	Adjustment weight	212 241	504	Cap screw M5x12	020 132
8	DVD with operating instructions	258 391	505	Washer 5	020 871



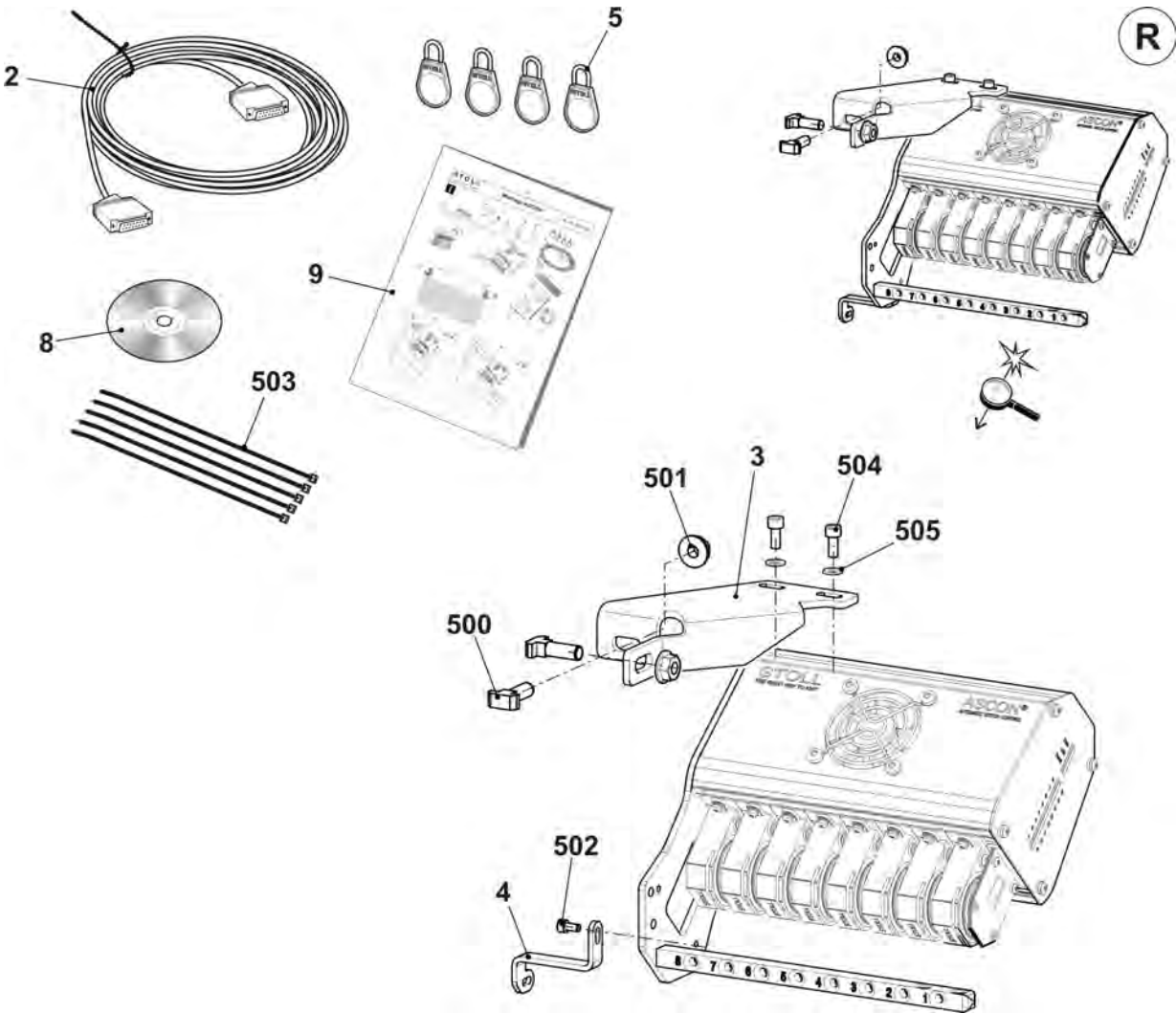
16.3.1 Yarn length measuring device

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



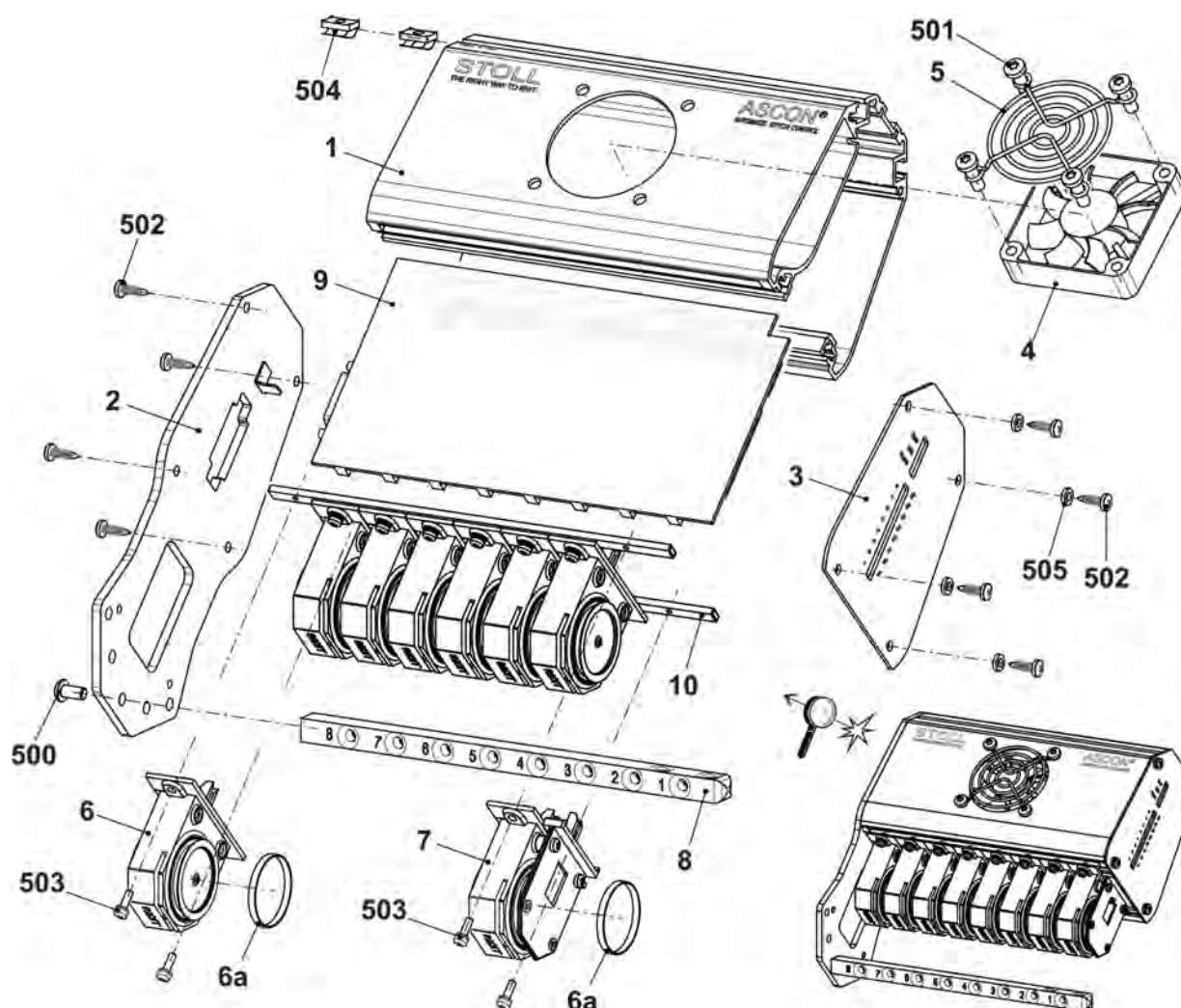
16.4 Yarn length measuring device on the right complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	265 547	10	Operating instructions of ASCON ADF assembly	265 567
1	Yarn length measuring device on the right complete	257 282	500	T-head bolt M8x25	022 866
2	Cable ASCON	257 239	501	Serrated nut M8-10	023 026
3	Support right	265 542	502	Cap screw M4x8	022 501
4	Connecting lug on the right	257 136	503	Cable tape 302x4,8	008 642
5	Adjustment weight	212 241	504	Cap screw M5x12	020 132
8	DVD with operating instructions	258 391	505	Washer 5	020 871



16.4.1 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



16.5 Yarn brake

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn brake	266 793	4	Eyelet 8	021 504
1	Support sheet	259 446	5	DiskD = 130	263 545
2	Yarn brake	259 440	6	Snap ring A 12	020 996

