

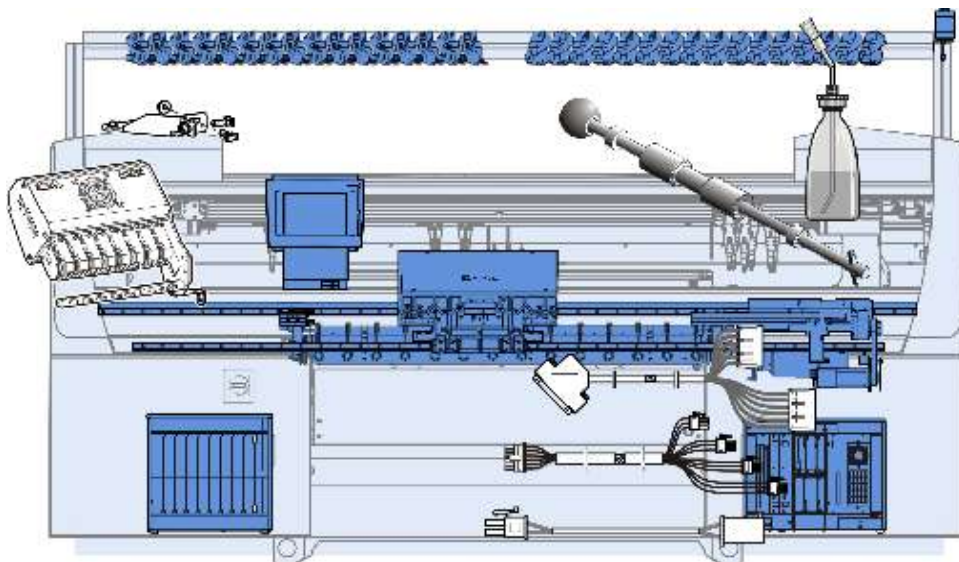
STOLL

Spare parts catalog

CMS ADF 32 (Type 682)

Component type 000

E10 - E18



Document no. 272427_00_EN

Release 2017/02

1 Introduction

Imprint

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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.

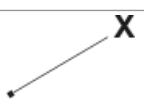
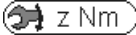
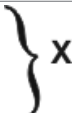
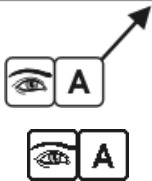
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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] $\pm 10\%$ (für $\mu_{\text{ges}} = 0,12$)		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	

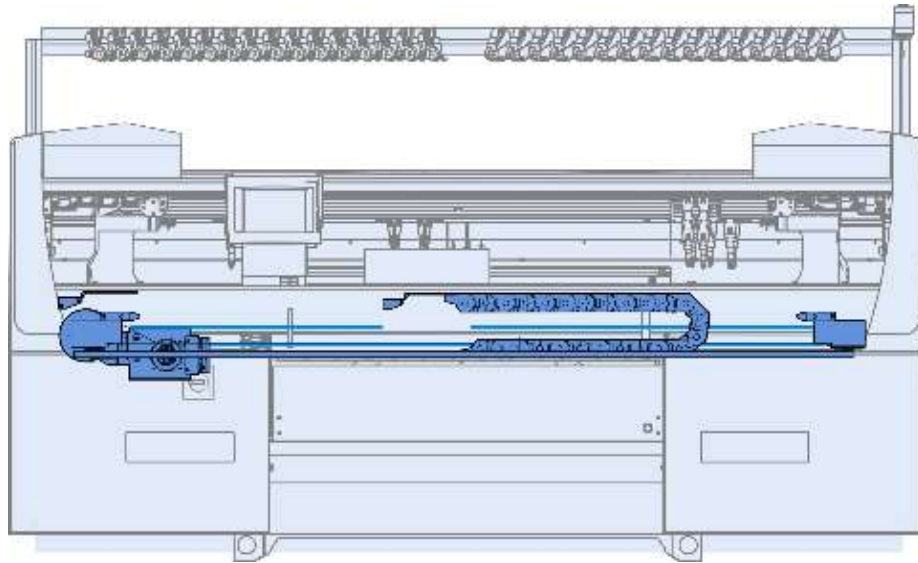
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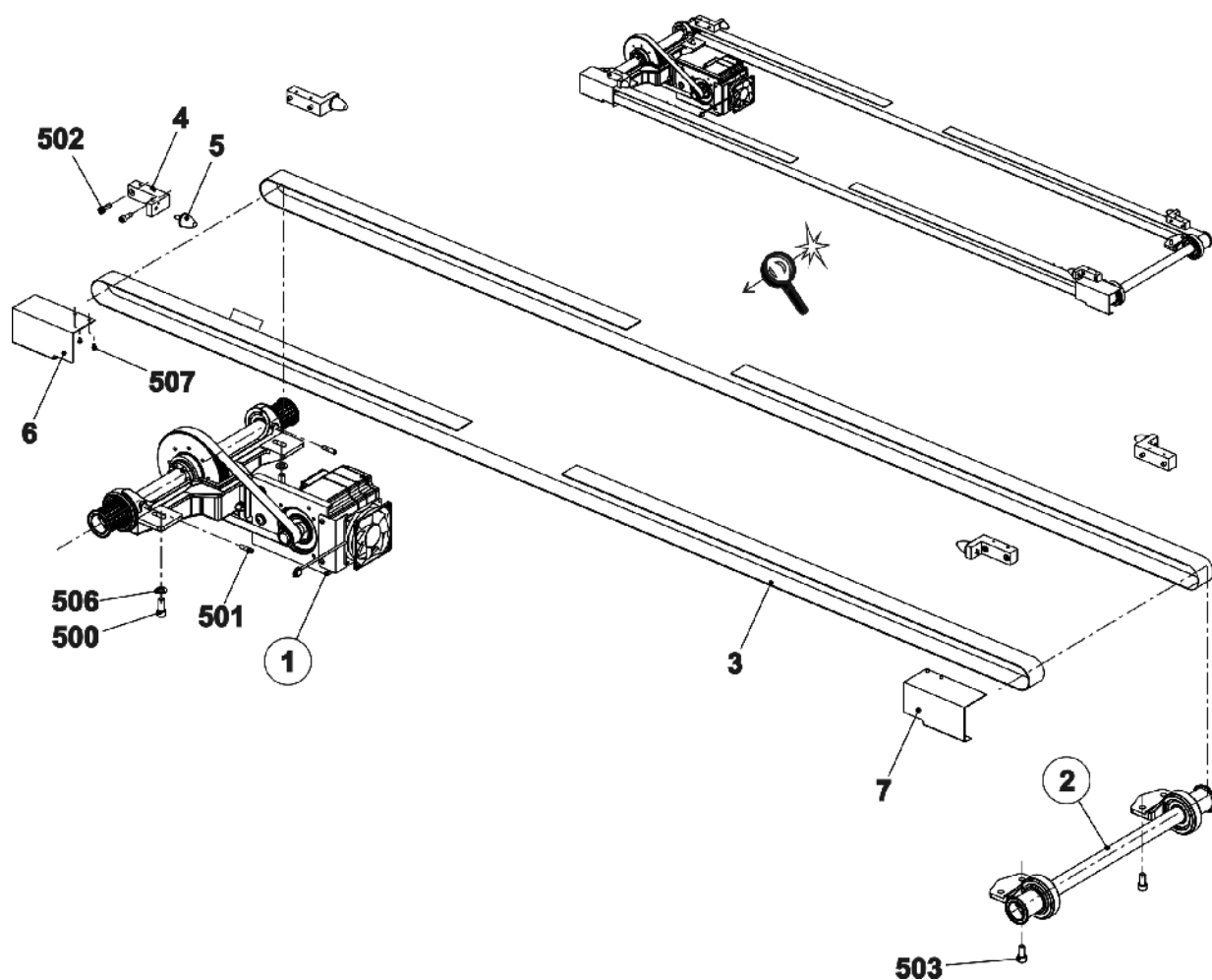
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2 Carriage drive



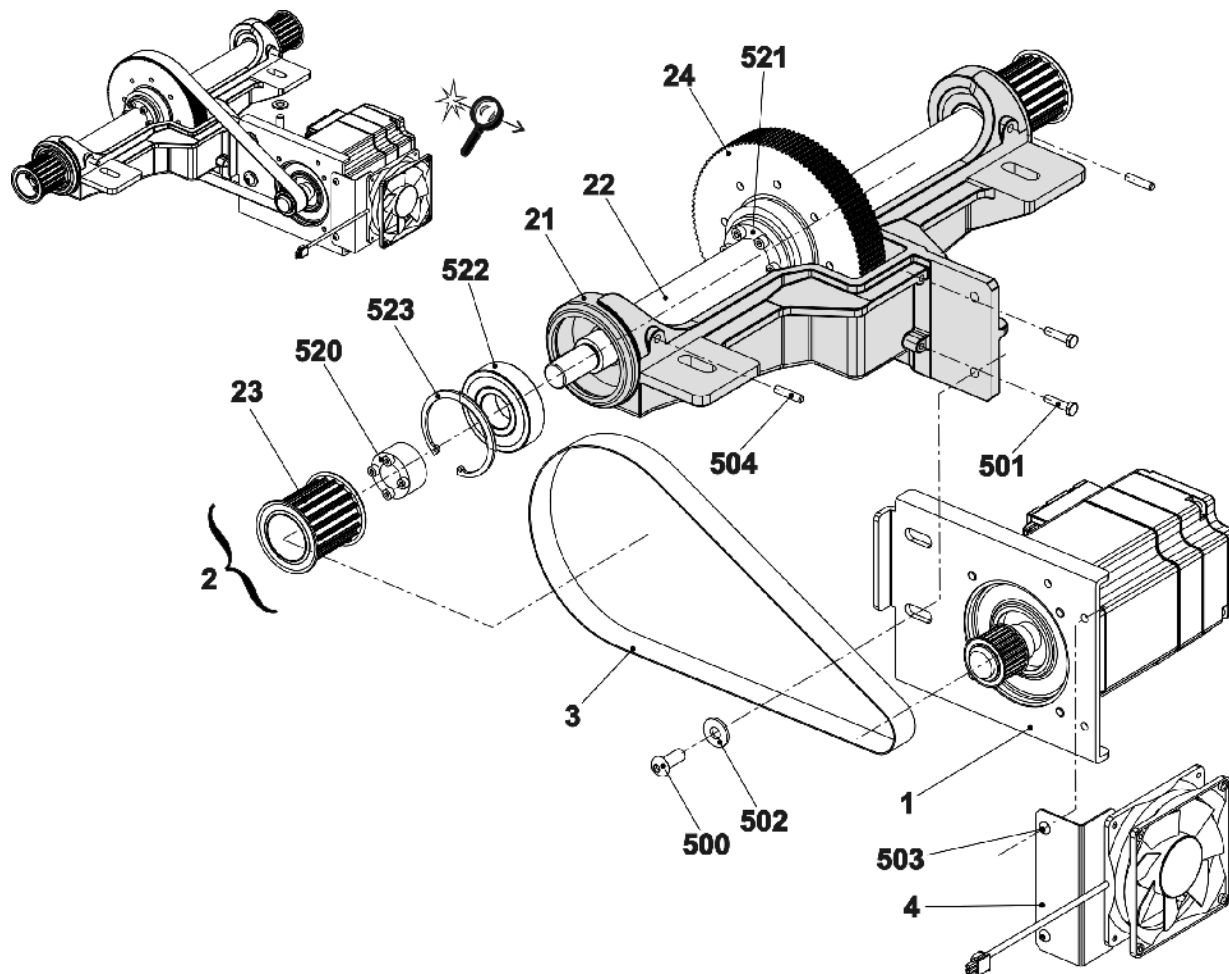
2.1 Main Drive

Pos	Designation	ID	Pos	Designation	ID
Σ	Main drive complete	270 850	7	Protective plate on the right	263 630
1	Drive unit complete	270 846	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



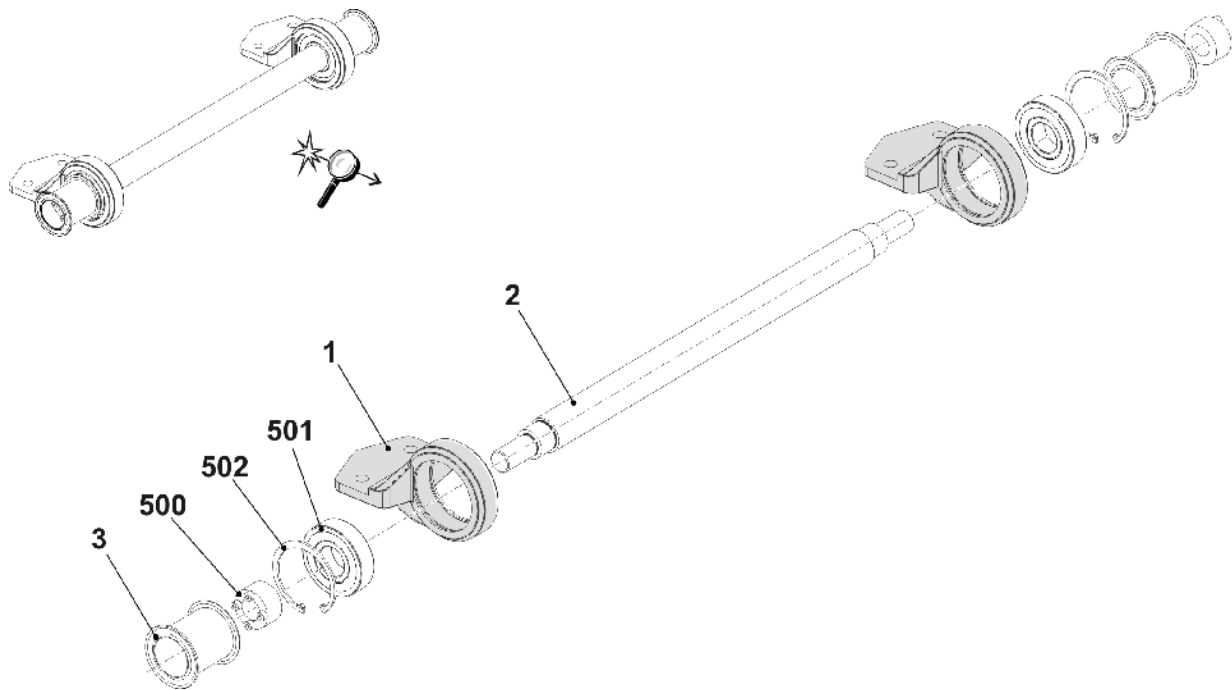
2.1.1 Motor and belt drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	270 846	522	Grooved ball bearing 6306-2RS	257 916
1	Drive unit	270 830	523	Retaining ring 68x2.5	022 914
2	Drive bearing	265 324	3	Toothed belt 250 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	Pinion 57 AT10 18	265 430	501	Hexagon screw M6x25	257 917
24	Timing belt pulley	257 948	502	Disk 10,5X25X2,5	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



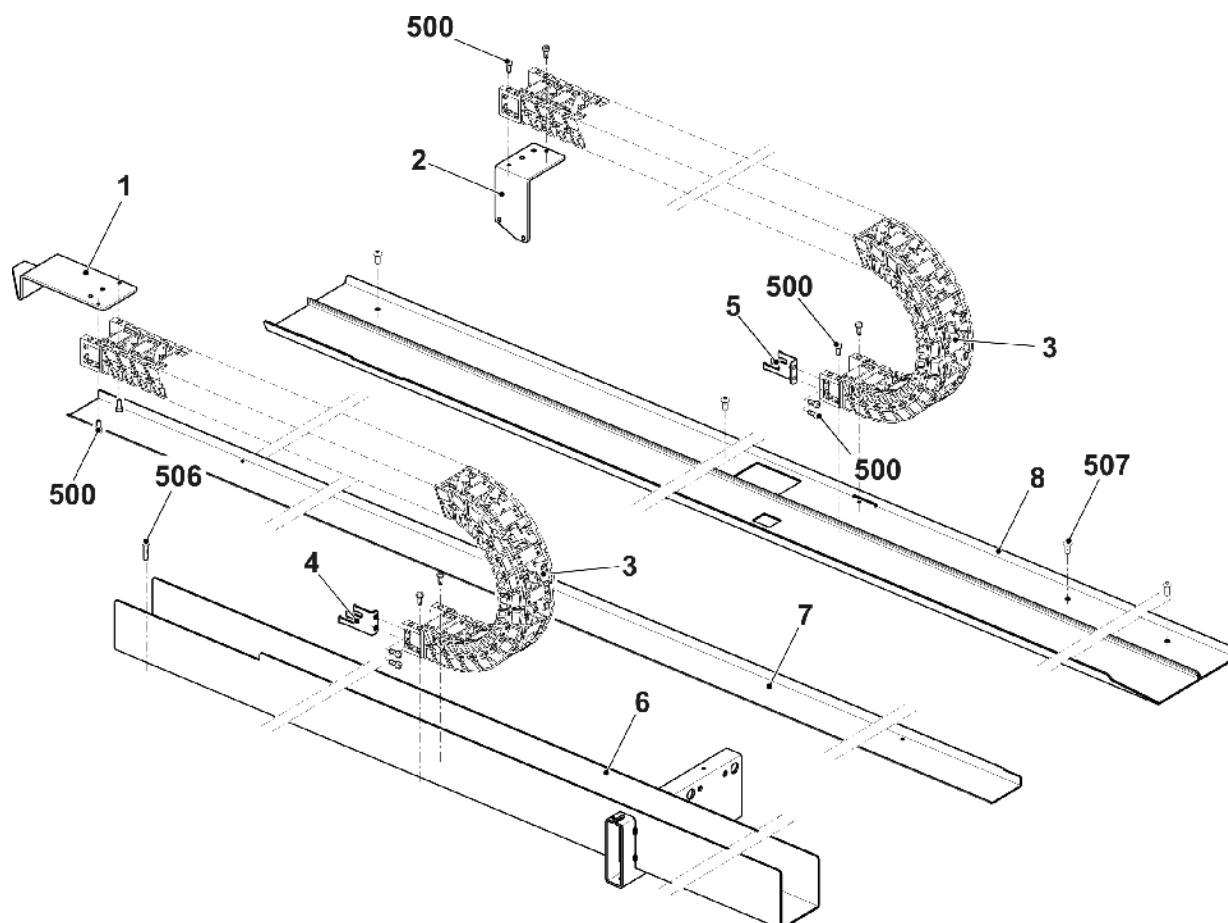
2.1.2 Bearing

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

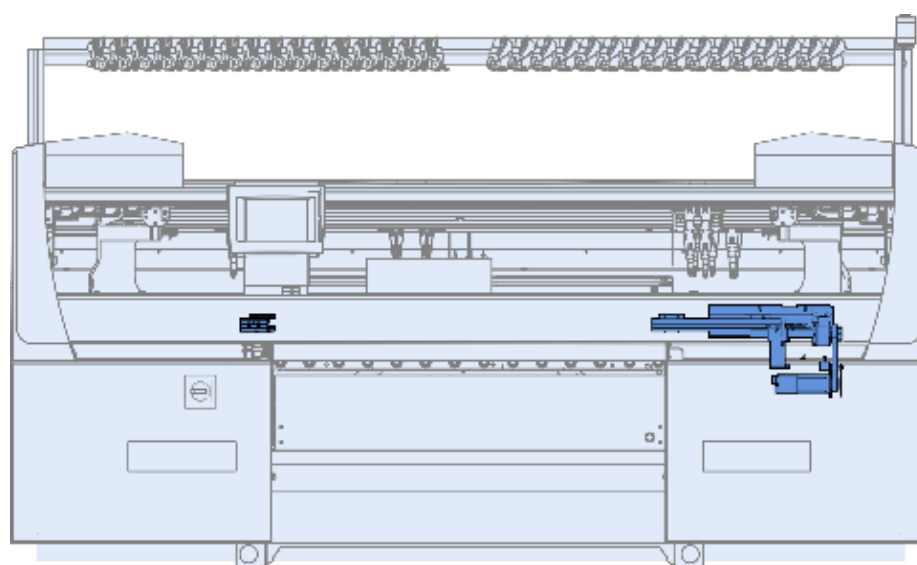


2.2 Energy chains

Pos	Designation	ID	Pos	Designation	ID
Σ	Energy chains		6	Front depositing gutter	265 577
1	Cable driver (front)	265 343	7	Deposit 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

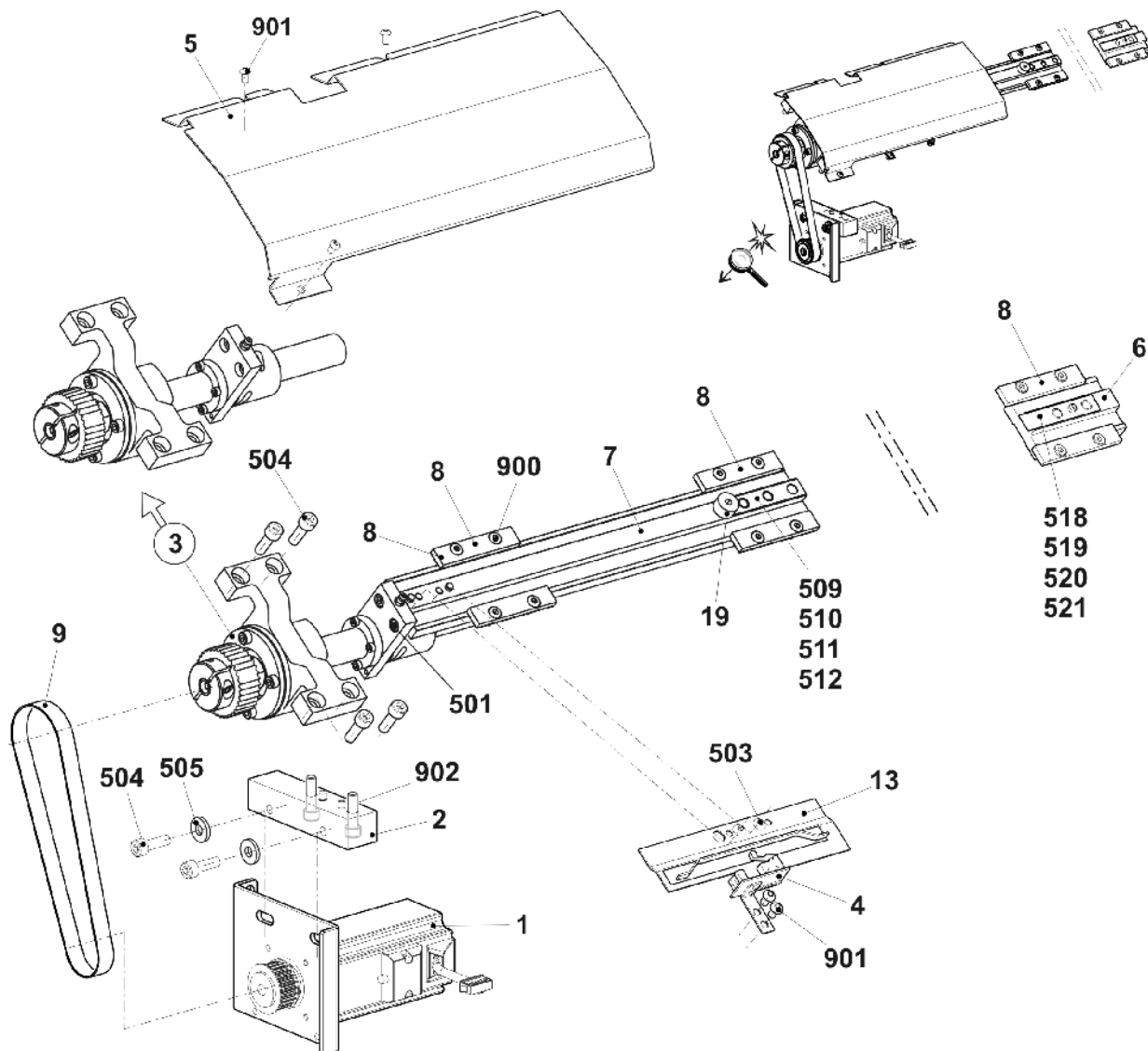


3 Racking

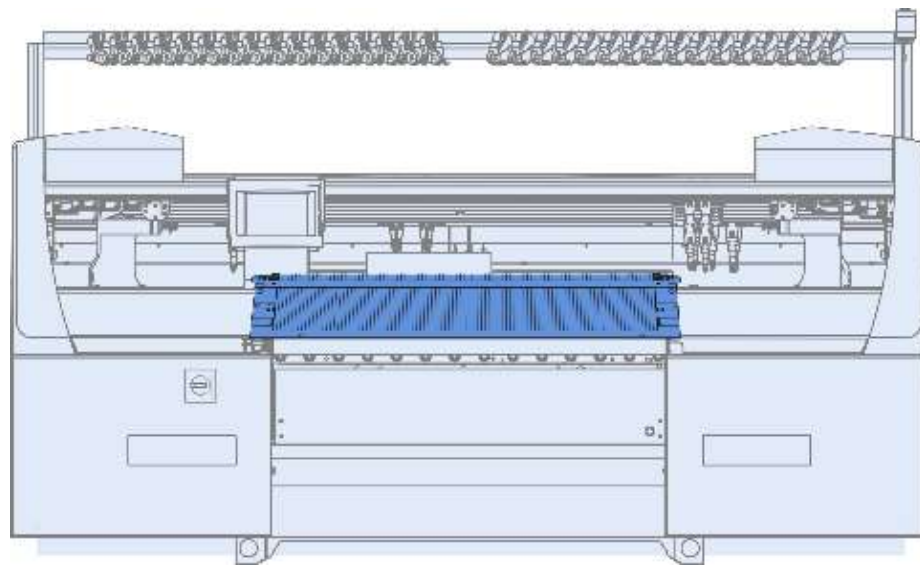


3.1 Racking

Pos	Designation	Id	Pos	Designation	Id
Σ	Racking				
1	Racking motor EKC complete	270 087	504	Cap screw M8x25	020 142
2	Bearing racking motor	263 864	505	Washer 8,4X20X3	022 175
3	Spindle bearing	253 262	509	Shim 0,03x15x85	023 162
4	Card racking limit switch	229 396	510	Shim 0,05x15x85	023 163
5	Racking cover plate	258 634	511	Shim 0,1x15x85	023 164
6	Racking strip on the left	240 696	512	Shim 0,2x15x85	023 170
7	Racking strip	240 690	518	Shim 0,03x15x75	023 395
8	Guide strip	206 382	519	Shim 0,05x15x75	023 396
9	Toothed belt 150 S 5M 490	229 281	520	Shim 0,1x15x75	023 397
13	Switch plate	240 722	521	Shim 0,2x15x75	023 398
19	Stop screw	221 386	900	Cap screw M6x12	022 795
501	Cap screw M6x16	271 322	901	Pan head screw M6x10	023 183
503	Pan head screw M6x10	023 183	902	Cap screw M8x30	020 143

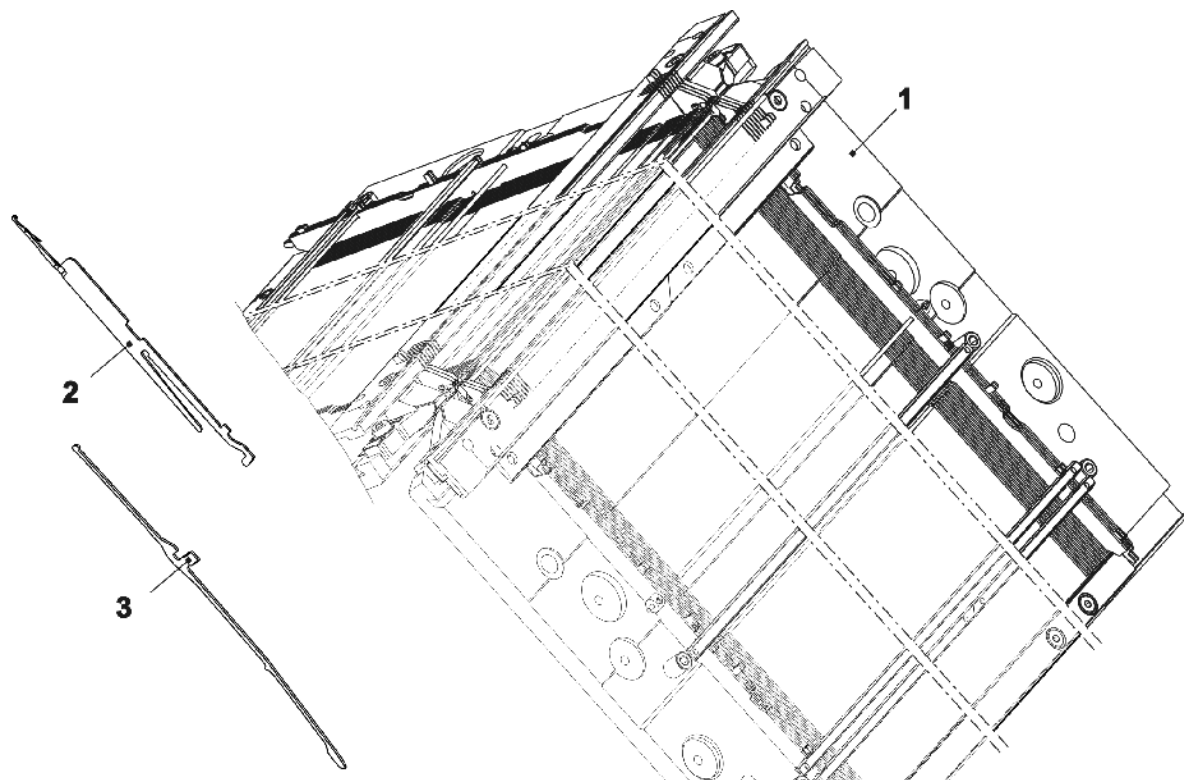


4 Needle beds



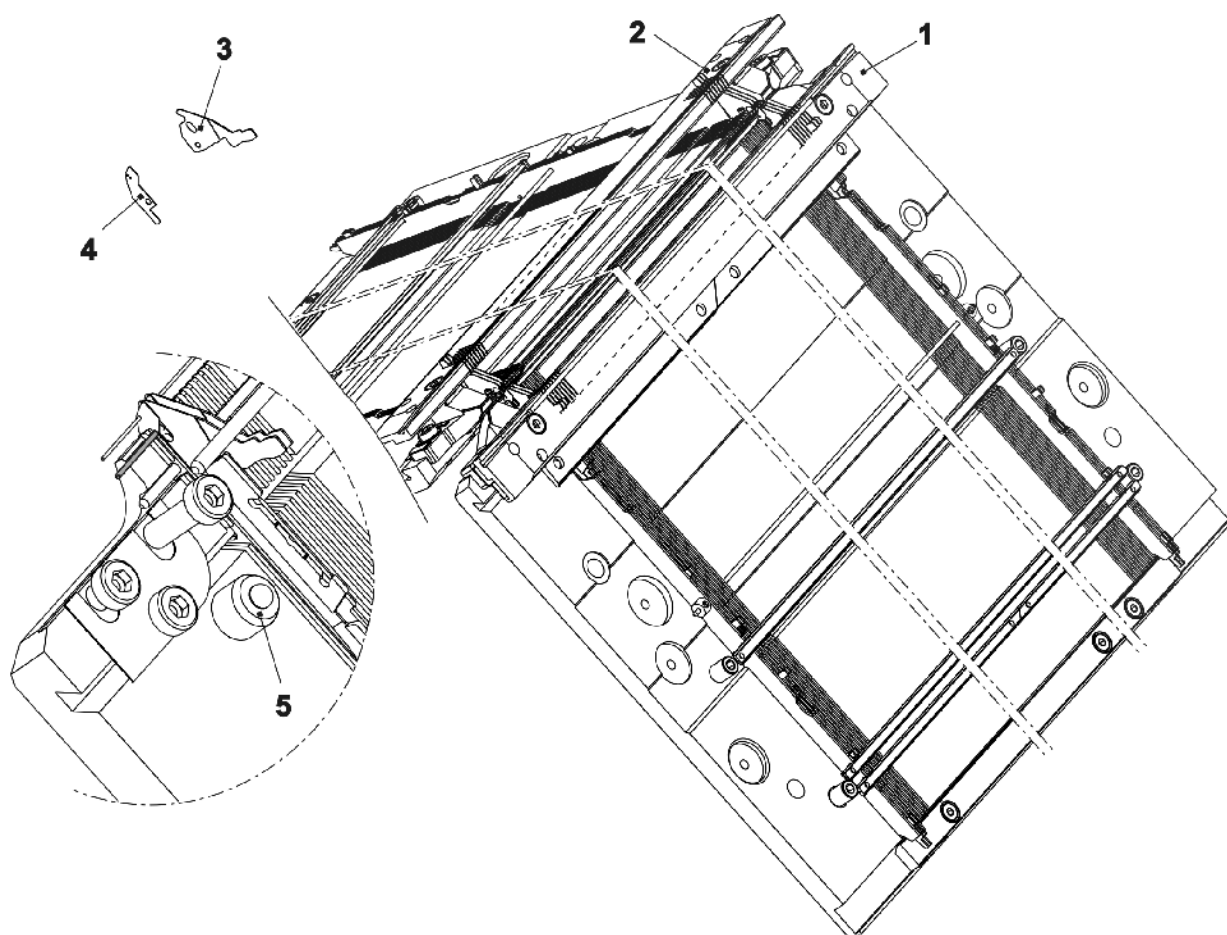
4.1 Needle bed E10-18, Part 1

	Designation			
	Needle bed complete at the front + rear	Needle bed at the front + rear (1)	Needle (2)	Coupling part (3)
E10	263 860	263 709	205 398	253 382
E12	263 861	263 710	204 009	253 382
E12m.10	263 876	263 710	205 398	253 382
E6.2	263 877	263 710	207 349	253 382
E14	263 878	263 711	209 614	253 383
E14/12	263 880	263 711	227 756	253 383
E7.2	263 879	263 711	225 230	253 383
E7.2 kw	263 881	263 711	225 230	253 383
E16	263 862	263 712	232 243	253 384
E8.2	263 883	263 712	261 263	253 384
E18	263 884	263 713	239 527	253 384
E18m.16	266 583	263 713	232 243	253 384



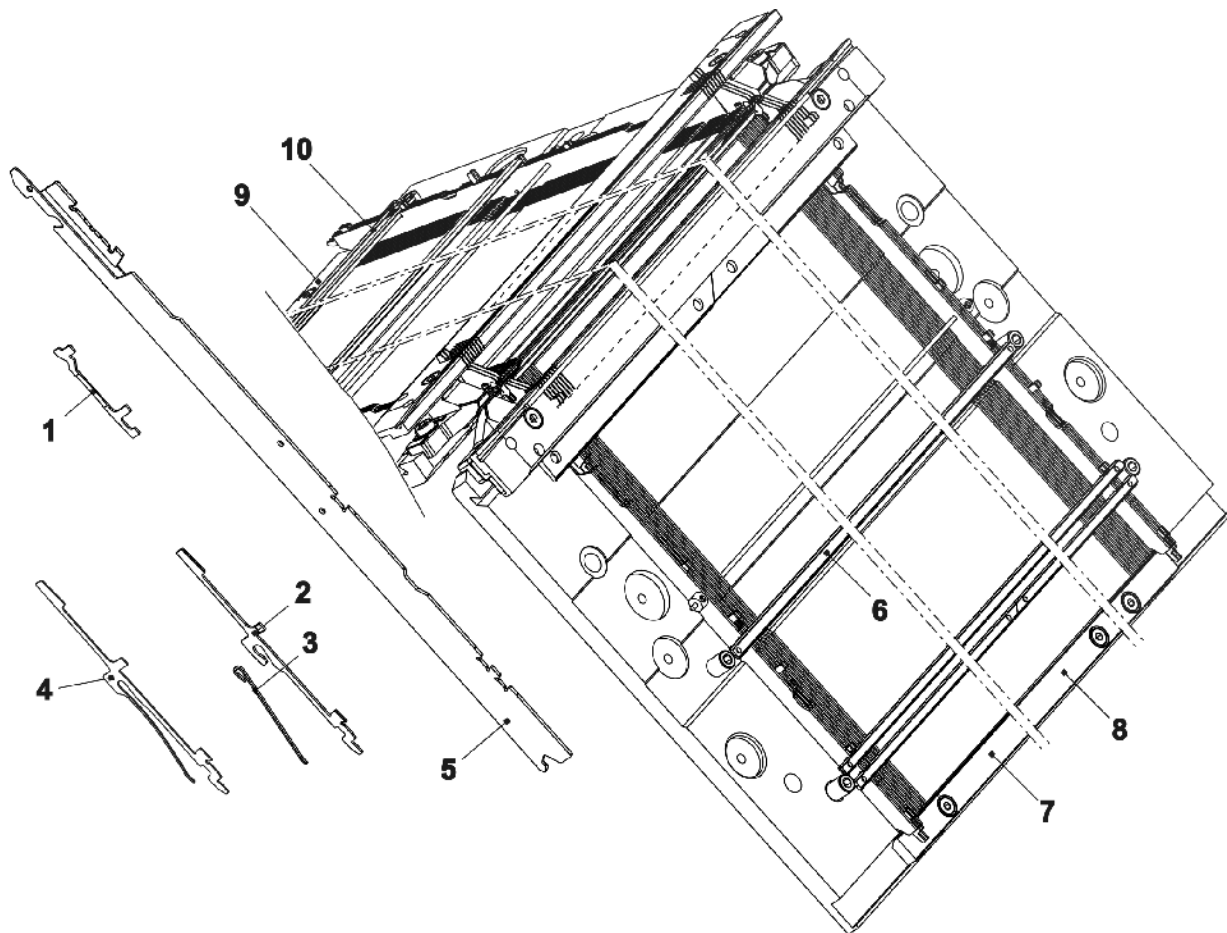
4.2 Needle bed E10-18, Part 2

	Designation		Holding-down jack (3)	Knock-over bit (4)	Springy thrust piece (5)
	Holding-down jack bed at the front (1)	at the rear (2)			
E10	240 430	240 447	239 815	239 756	023 177
E12	240 431	240 448	259 213	259 212	023 177
E12m.10	240 431	240 448	259 213	259 212	023 177
E6.2	240 438	240 455	259 213	259 212	023 177
E14	240 432	240 449	235 262	209 649	023 177
E14/12	240 432	240 449	235 262	209 649	023 177
E7.2	240 439	240 456	258 396	256 912	023 177
E7.2 kw	240 439	240 456	236 954	234 903	023 177
E16	240 433	240 450	264 106	261 865	023 177
E8.2	240 433	240 450	264 106	261 865	023 177
E18	240 434	240 451	264 107	263 927	023 177
E18m.16	240 434	240 451	264 107	263 927	023 177



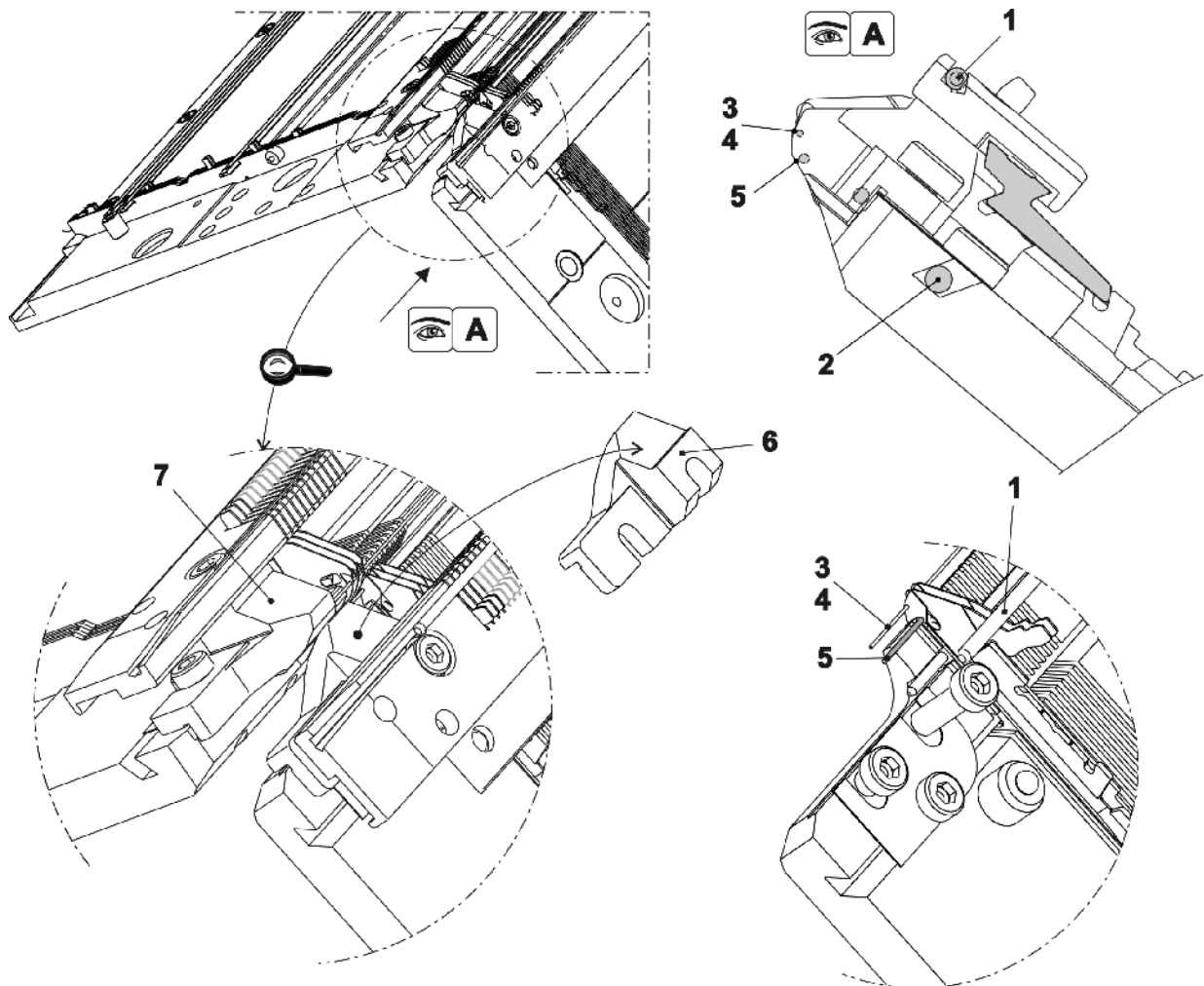
4.3 Needle bed E10-18, Part 3

Pos	Designation	E10	E12 E12m.10 E6.2	E14 E14/12 E7.2 E7.2 kw	E16 E8.2	E18 E18m.16
1	Intermediate slider	255 535	255 535	255 536	255 537	255 537
2	Selection jack	200 688	200 688	-	-	-
3	Selector spring	200 691	200 691	-	-	-
4	Selection jack with spring	-	-	224 725	222 265	222 265
5	Main trick wall	-	260 343	260 344	245 319	251 051
6	Cover rail at the front	214 036	214 037	272 171	222 531	220 745
7	Pressure slide	-	213 919	213 919	-	-
8	Pressure strip at the front	-	-	-	219 536	219 536
9	Pressure strip at the rear	-	-	-	219 537	219 537
10	Pressure strip at the rear on the right	-	-	-	223 042	223 042



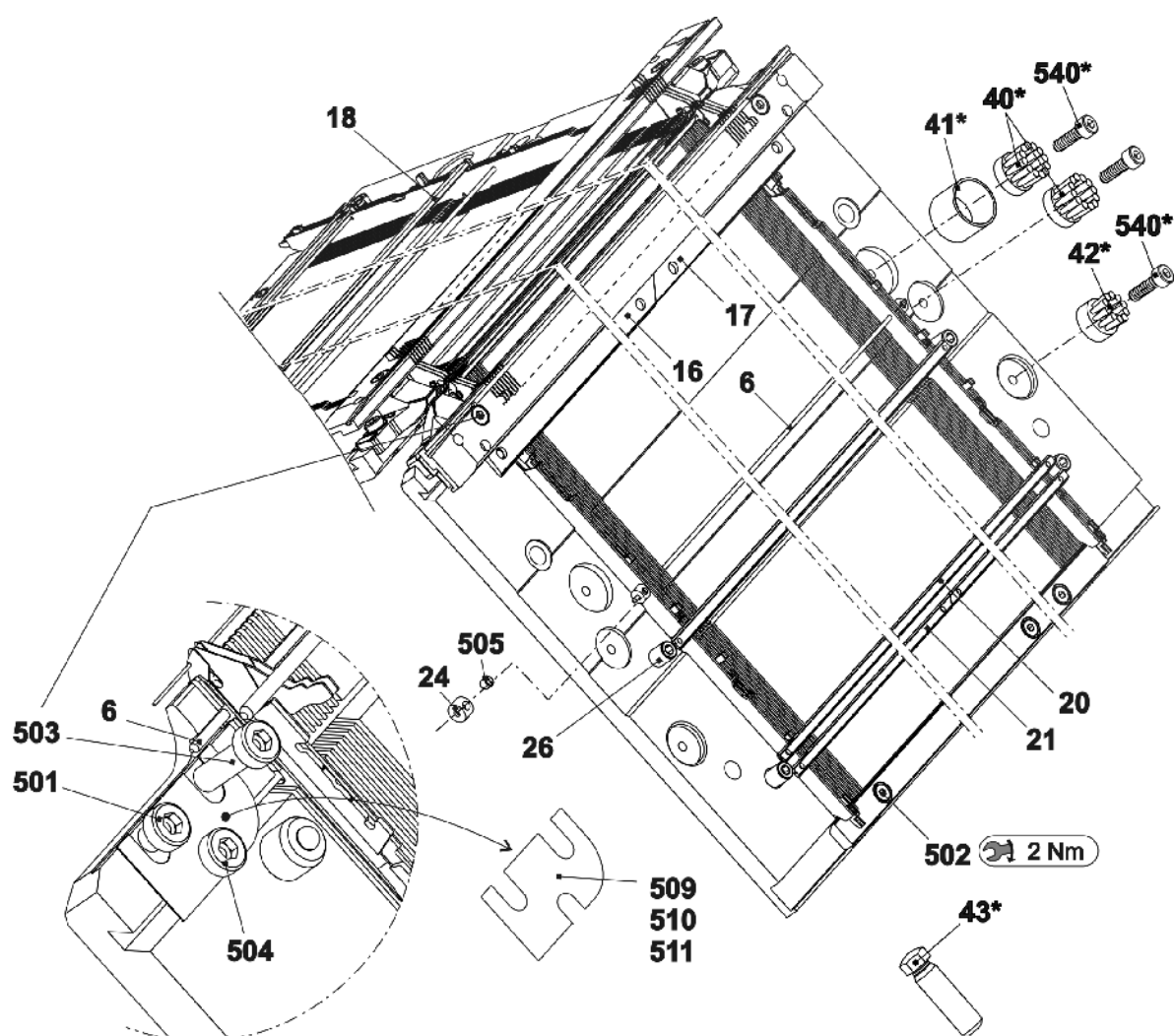
4.4 Needle bed E10-18, Part 4

Pos	Designation	E10	E12 E12m.10 E6.2	E14 E14/12 E 7.2 E7.2 kw	E16 E8.2	E18 E18m.16
1	Locating wire ø2,8	213 983	213 983	213 983	223 922	223 922
2	Locating wire ø3,4	-	213 995	213 995	213 995	-
	Locating wire ø2,0	-	-	-	-	213 996
3	Spring steel wire ø 0,6	213 990	213 990	213 990	-	-
4	Spring steel wire ø 0,5	-	-	-	220 759	220 759
5	Spring steel wire ø 1,0	-	-	-	213 988	213 988
6	Limiter on the left	205 764	205 764	205 764	220 821	220 821
7	Limiter on the right	205 765	205 765	205 765	220 822	220 822



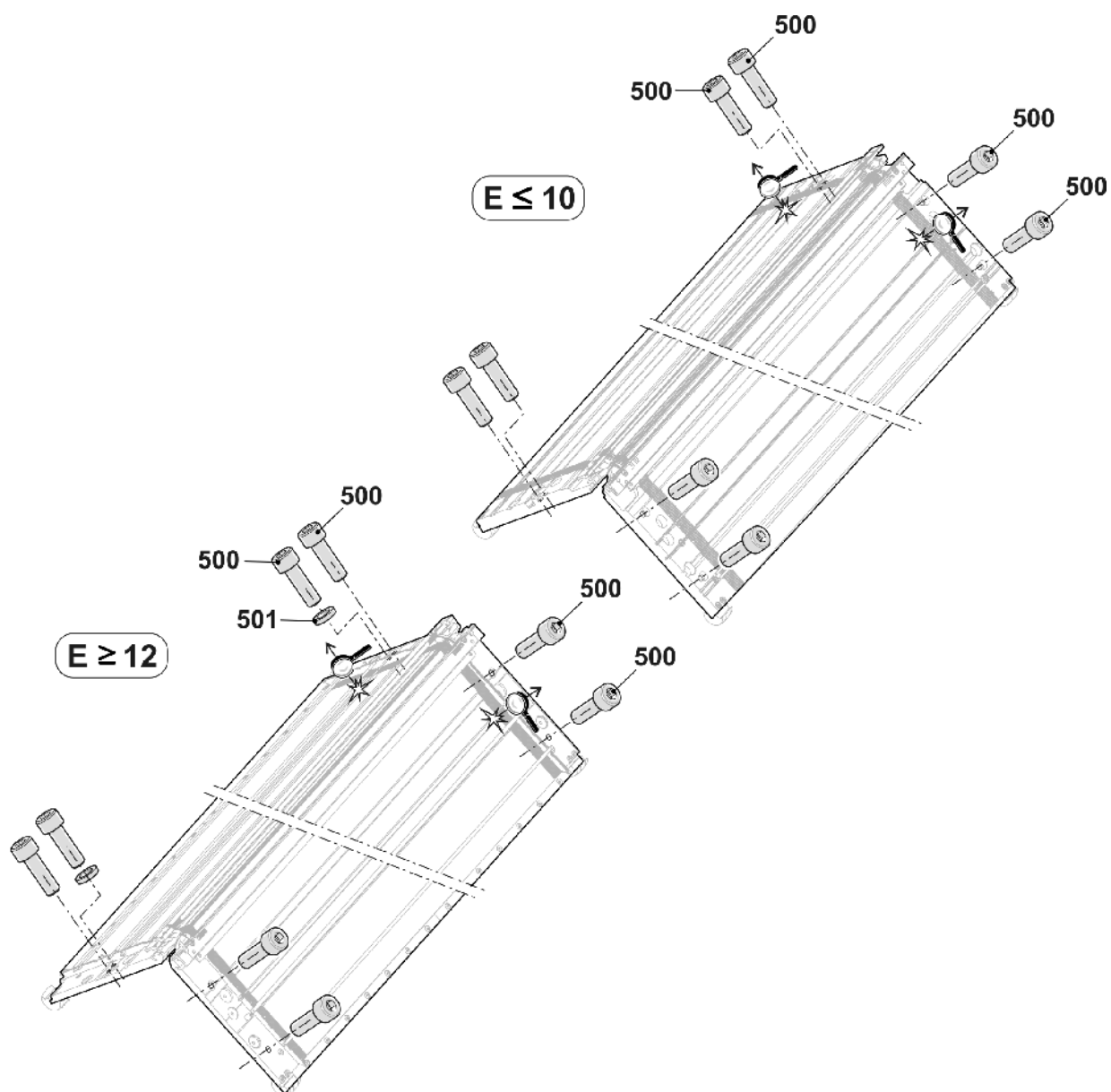
4.5 Needle bed E10-18, Part 5

Pos	Designation	ID	Pos	Designation	ID
6	Spring steel wire $\varnothing 2,0$	213 996	501	E10-14 Cap screw M5x8	023 154
16	Needle bar on the left	213 998		E16-18 Cap screw M5x12	022 943
17	Needle bar on the right	213 999	502	Cap screw M5x8	023 379
18	Cover rail at the rear	213 981	503	Cap screw M5x22	023 193
20	Cover rail	213 762	504	Cap screw M5x12	022 943
21	Cover rail	213 763	505	E12-18 Setscrew M3,5x3-1	020 512
24	E12-18 Bush	206 090	509	Shim 0,05x18,5x34	023 196
26	E12-18 Stop screw	235 244	510	Shim 0,1x18,5x34	023 197
40*	Disk brush	235 612	511	Shim 0,2x18,5x34	023 253
41*	Container disk brush	233 012	540*	Cap screw M5x12	020 032
42*	Disk brush	202 600			
43*	Adjusting bolt	251 772			



4.6 Needle beds, fixing elements

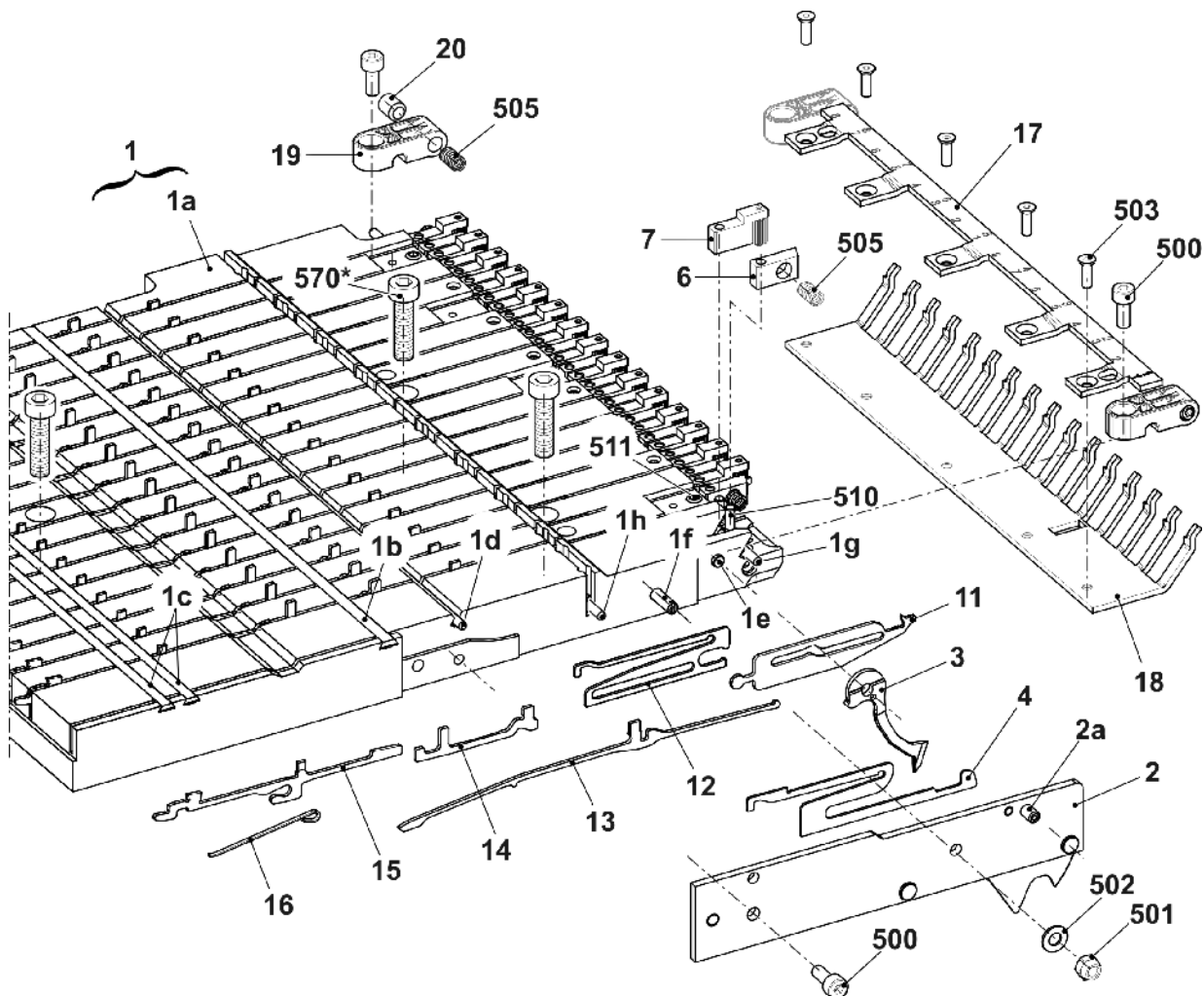
Pos	Designation	ID	Pos	Designation	ID
Σ	Fixing elements				
500	Cap screw M8x25	020 142	501	Washer	214 040



4.7 Left clamping and cutting bed

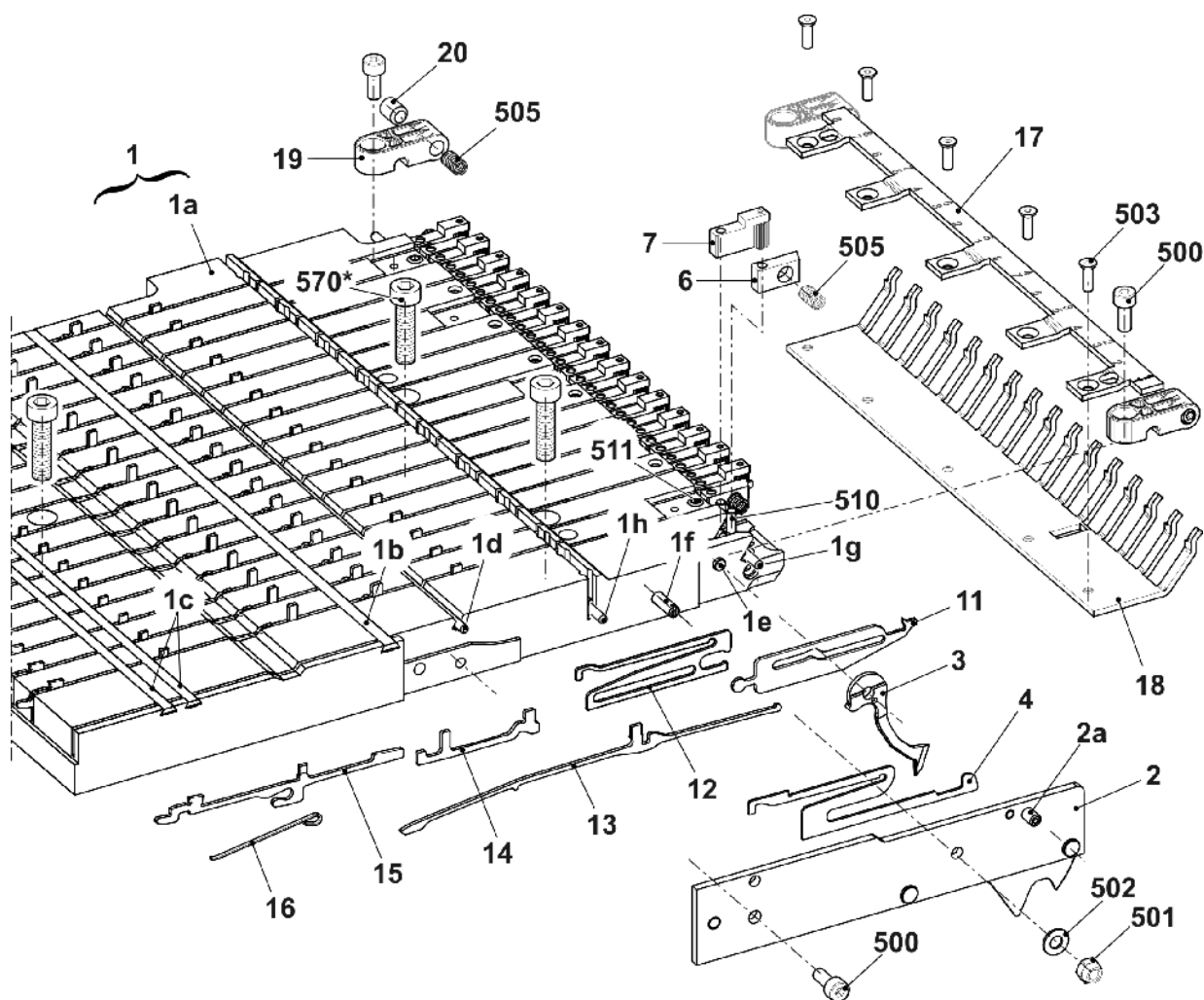
E10 | E12 | E14 | E6.2 | E7.2 | E6.2(E12m.10) | E14/12

Pos	Designation	Id	Pos	Designation	Id
Σ	Left clamping and cutting bed E10-14	270 319	7	Clamp on the left complete	244 633
1	Guide plate EPT on the left E5-14	270 323	11	Catch needle on the left E5-14	244 630
1a	Guide plate on the left E10-14	270 315	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



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

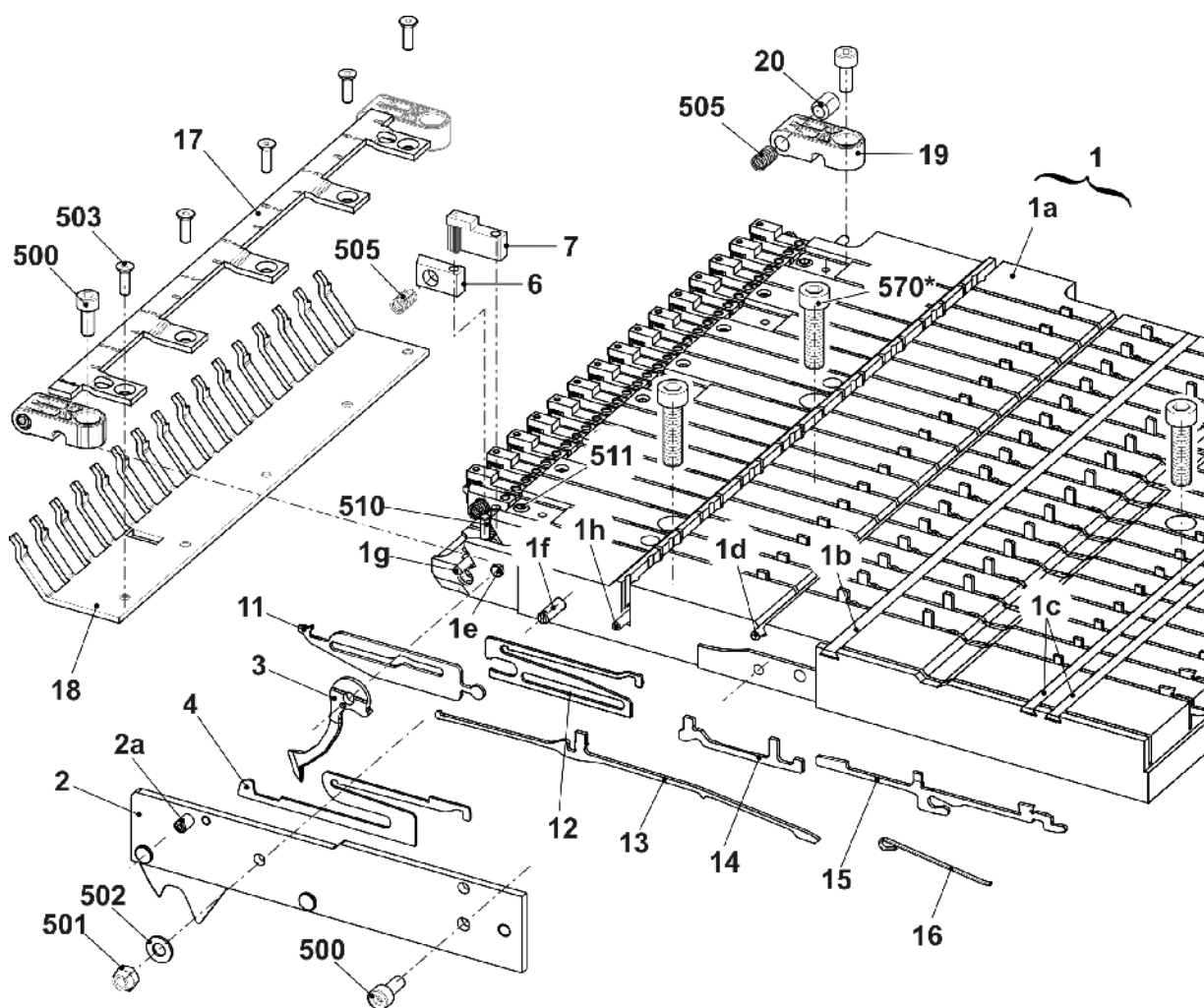
Pos	Designation	Id	Pos	Designation	Id
Σ	Left clamping and cutting bed E16-18	270 321	7	Clamp on the left complete	244 633
1	Guide plate EPT on the left E16-18	270 327	11	Catch needle on the left E16-18	244 740
1a	Guide plate on the left E16-18	270 317	12	Intermediate part	244 741
1b	Cover rail	243 923	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



4.9 Right clamping and cutting bed

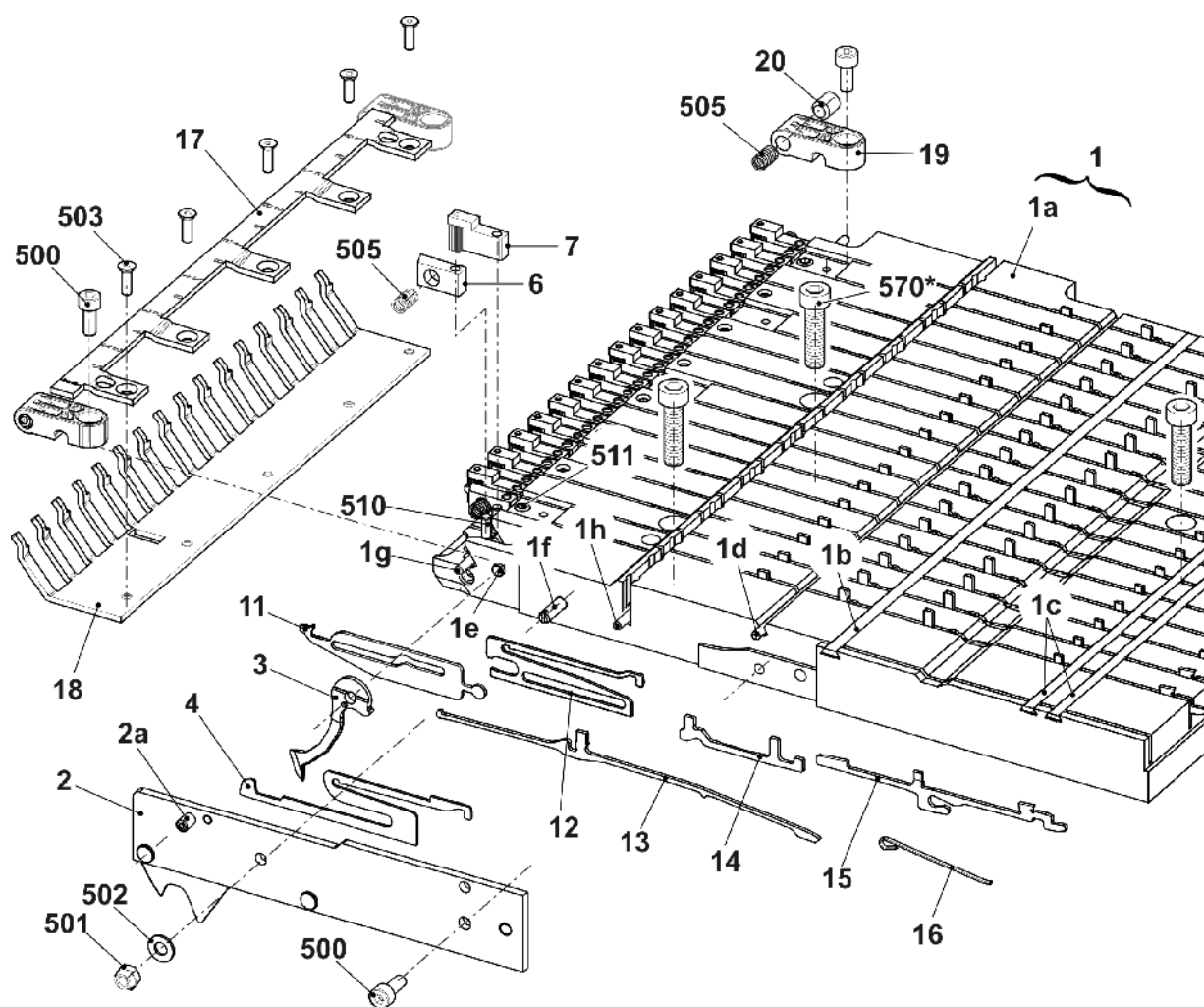
E10 | E12 | E14 | E6.2 | E7.2 | E6.2(E12m.10) | E14/12

Pos	Designation	Id	Pos	Designation	Id
Σ	Clamping and cutting bed on the right E10-14	270 318	7	Clamp on the right complete	244 602
1	Guide plate EPT on the right E5-14	270 322	11	Catch needle on the right E10-14	244 592
	1a Guide plate on the right E5-14	270 314	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

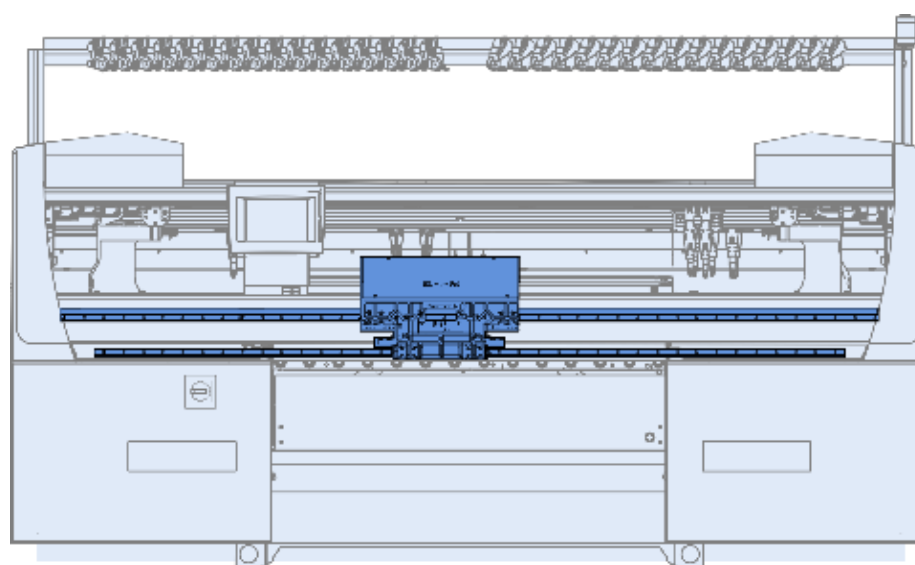


4.10 Right clamping and cutting bed E16|E18|E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Clamping and cutting bed on the right E16-18	270 320	7	Clamp on the right complete	244 602
1	Guide plate EPT on the right E16-18	270 326	11	Catch needle on the right E16-18	244 739
1a	Guide plate on the right E16-18	270 316	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

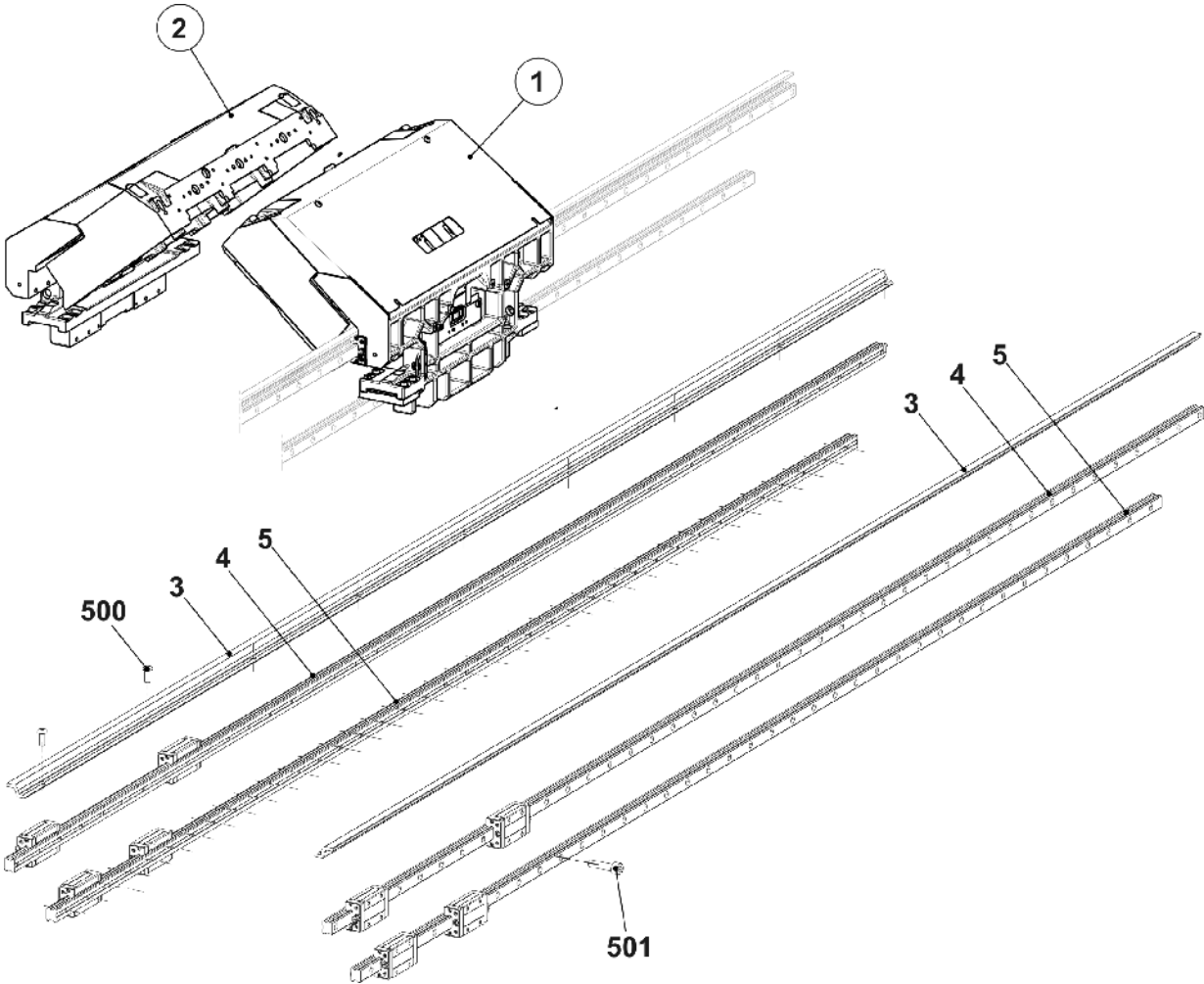


5 Carriage



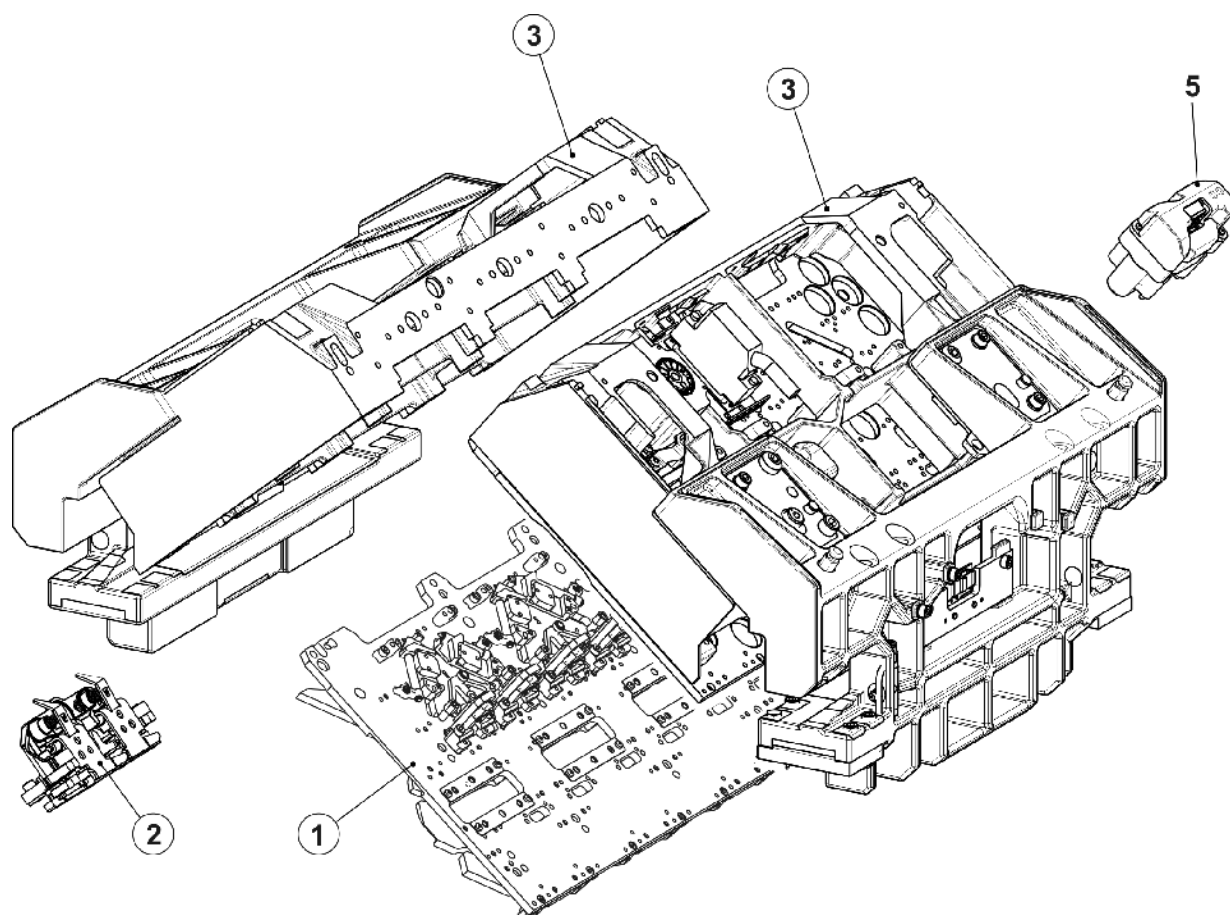
5.1 Carriage and linear guidance

Pos	Designation	ID	Pos	Designation	ID
1	Front carriage complete		2	Rear carriage complete	
	E10	268 315		E10	268 316
	E12	268 319		E12	268 320
	E12m.10	268 321		E12m.10	268 322
	E14 E14/12	268 317		E14 E14/12	268 318
	E16 E18 E18m.16	268 325		E16 E18 E18m.16	268 326
	E6.2	268 323		E6.2	268 324
	E7.2	268 327		E7.2	268 328
	E7.2 kw	268 329		E7.2 kw	268 330
	E8.2	268 331		E8.2	268 332
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			



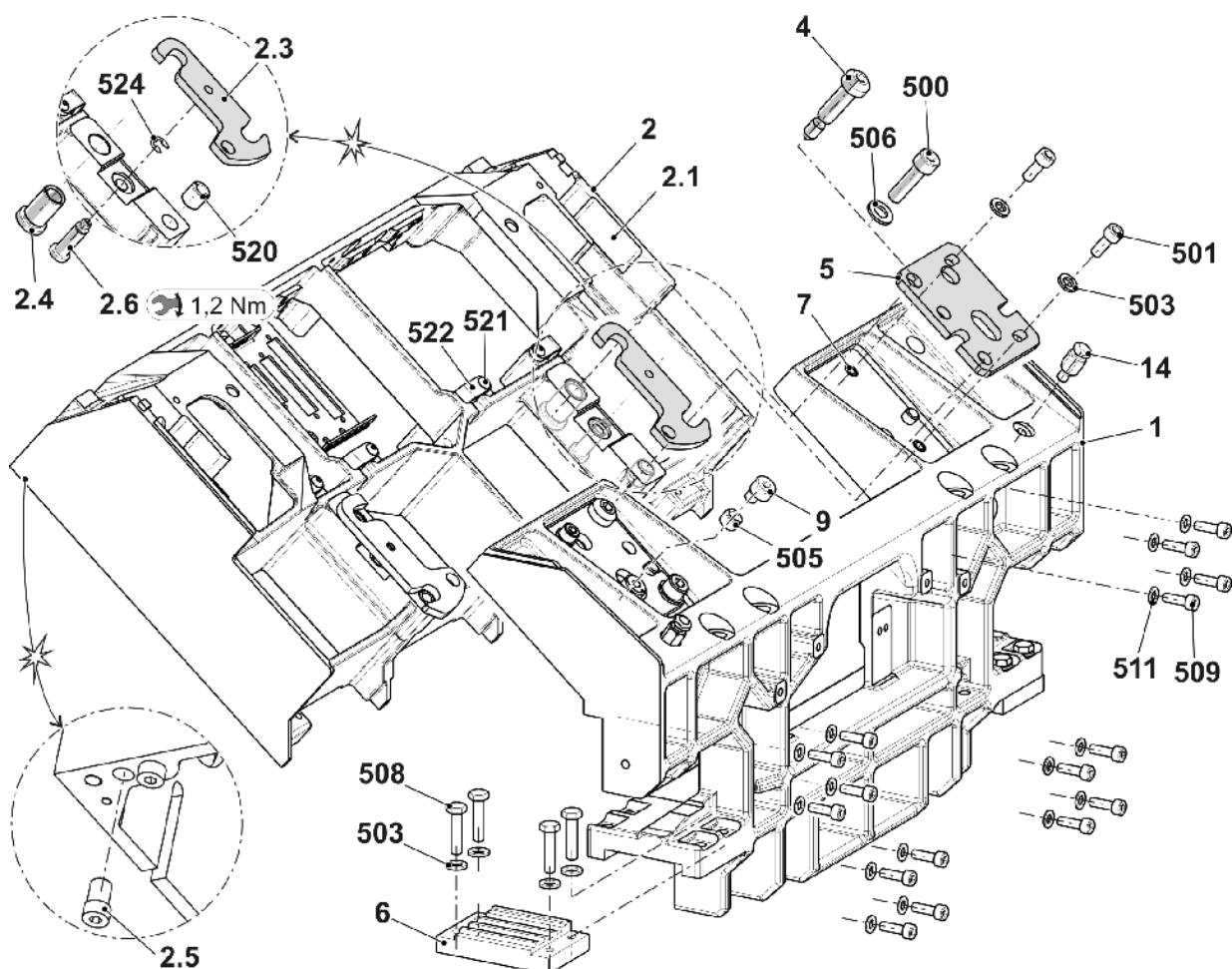
5.2 Carriage front and rear

Pos	Designation	ID	Pos	Designation	ID
1	Cam box complete		2	Holding-down jack control complete	
	E10	269 998		E10	256 306
	E12	269 999		E12 E14/12 E12m.10 E6.2	256 307
	E6.2	270 002		E7.2	256 309
	E14 E14/12	269 943		E7.2 kw	267 272
	E7.2 E12m.10	269 944		E16 E18 E18m.16	256 308
	E7.2 kw	269 945		E8.2	256 310
	E16 E18 E18m.16	270 001	3	Front and rear carriage assembly complete	258 146
	E8.2	270 004		Selection system complete	
				E10 E12 E12m.10 E6.2	216 219
				E14 E14/12	229 300
				E7.2 E7.2 kw	229 300
				E16 E18 E18m.16	220 114
				E8.2	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 5	020 871



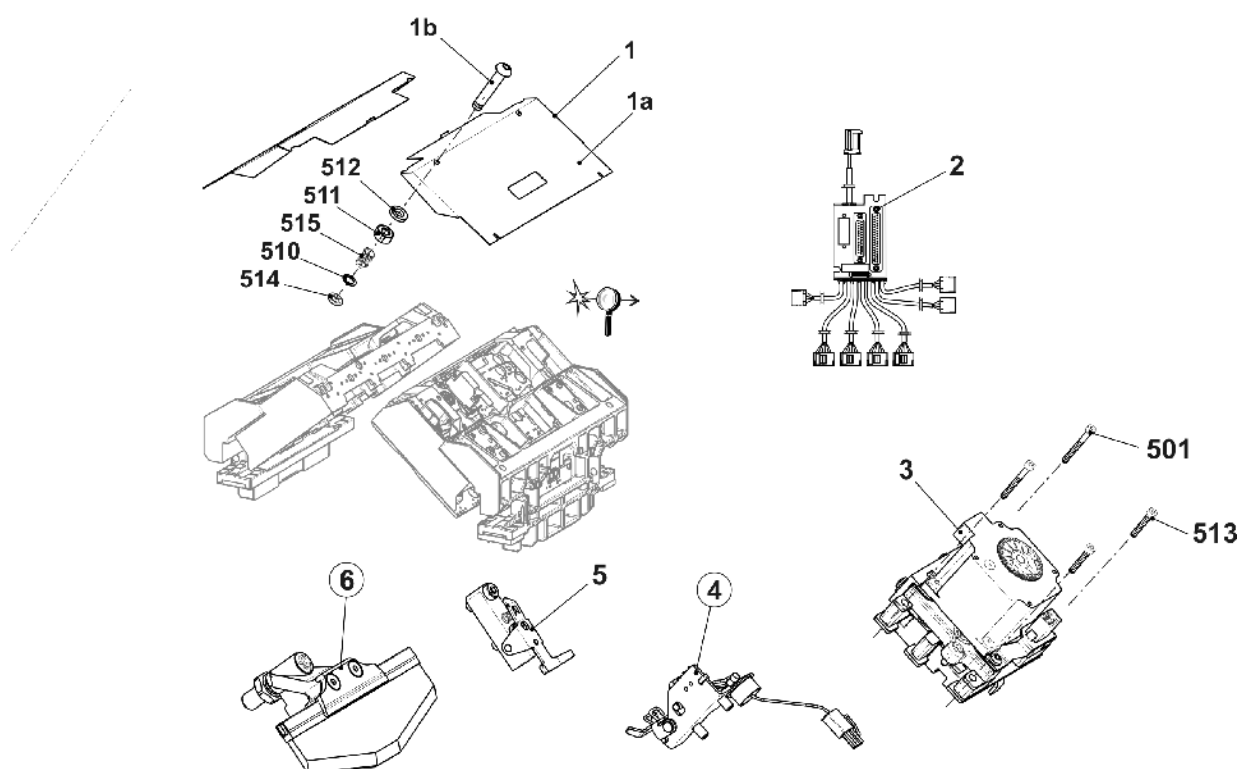
5.4 Continuation of carriage parts

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 E6.2 E7.2	265 552
514	O-ring 3x2	242 420		Brush holder complete E16 E18 E8.2	272 307
515	Compression spring 0,48x7,02x17,29	023 654	501	Cap screw M4x35	023 550
			513	Cap screw M4x20	023 171



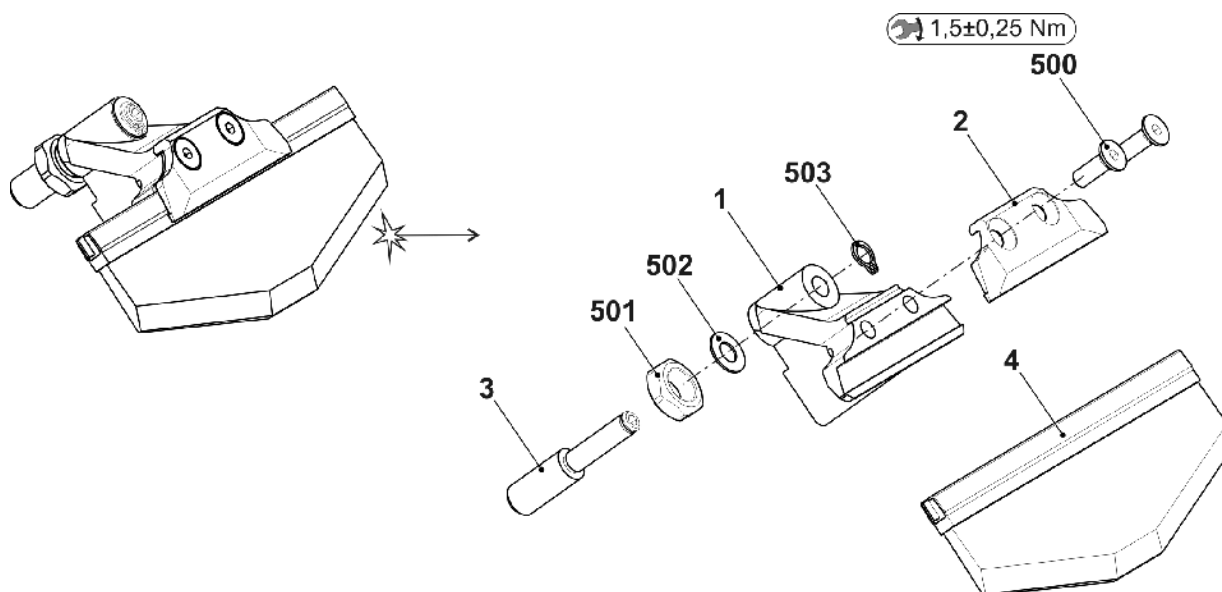
Schlitten_ko_vo+hi_Fortsetzung_ADF_0813

SCHLITTENABDECKUNG VO.HI.KO 262 202



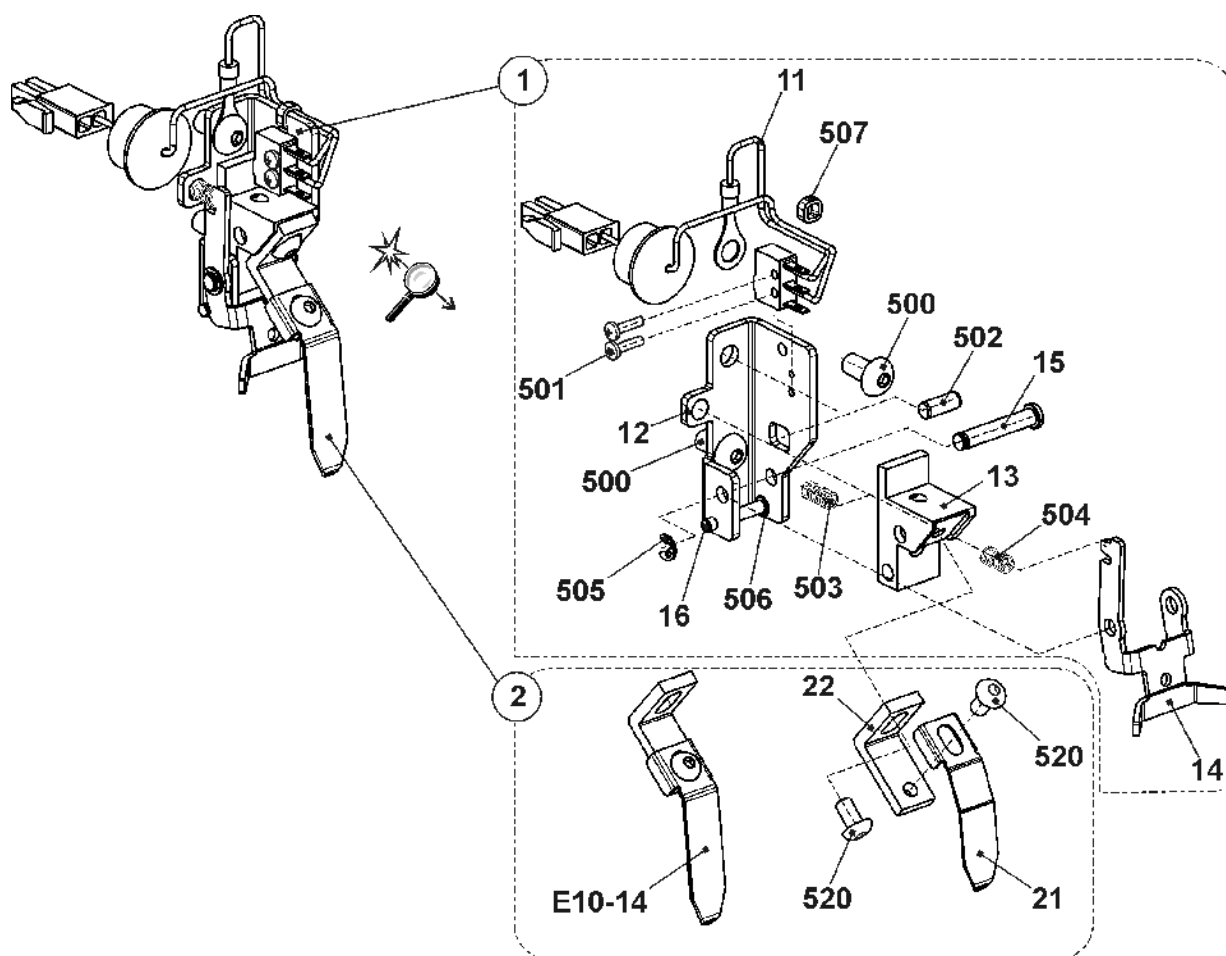
5.5 Brush holder

Pos	Designation	ID	Pos	Designation	ID
Σ	Brush holder complete		4	Brush	
	E16 E18 E18m.16 E8.2	272 307		E16 E18 E18m.16 E8.2	271 525
	E10 E12 E14 E14/12 E12m.10	265 552		E10 E12 E14 E14/12 E12m.10	268 930
	E6.2 E7.2 E7.2 kw			E6.2 E7.2 E7.2 kw	
1	Brush holder	213 009	500	Countersunk head screw M4x12	023 062
2	Brush clamp	265 439	501	Hexagon nut	020 856
3	Threaded rod	209 740	502	Shim ring 5x10x0,5	023 348
			503	Retaining ring 5x0,6	023 347



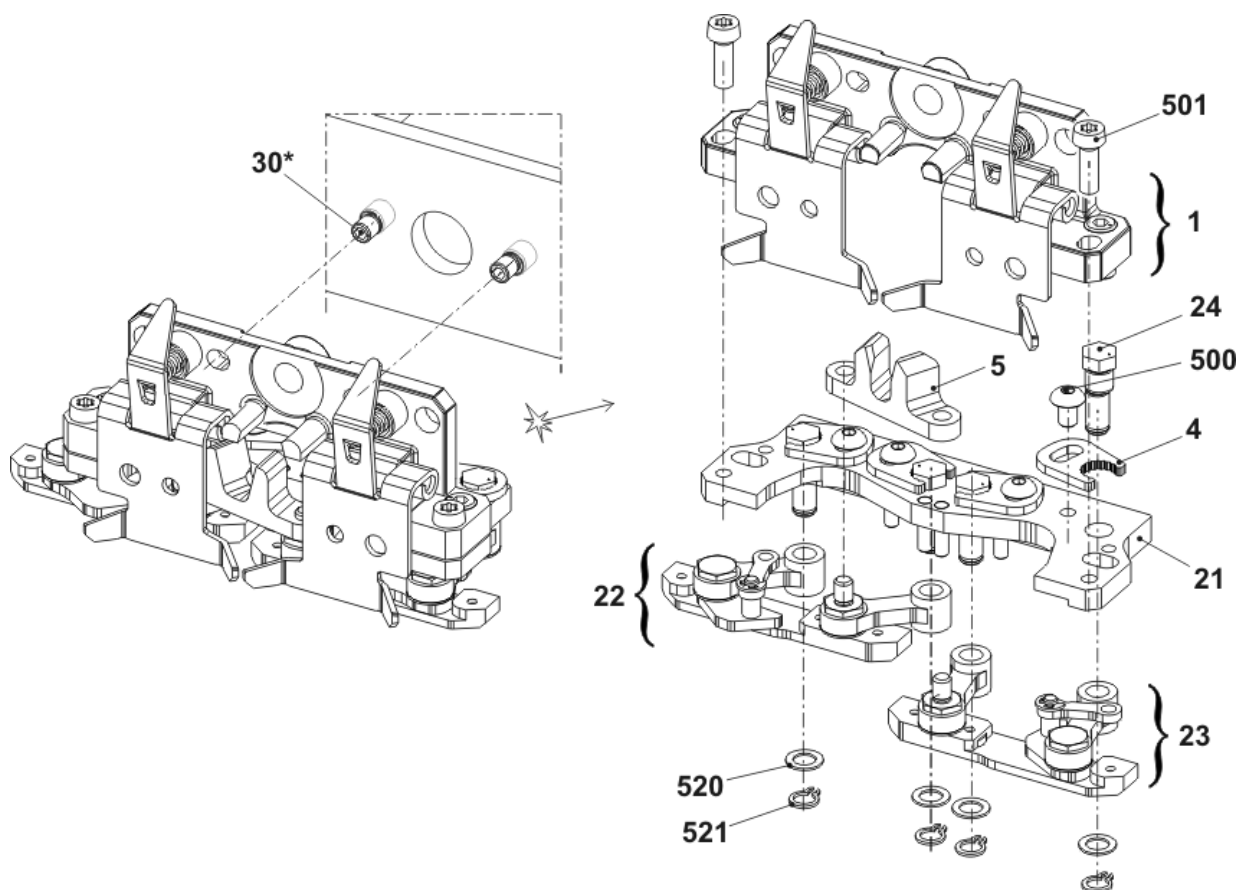
5.6 Needle detector

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 E6.2	256 454
14	Set-out plate	256 094	21	Sensor E10-14	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 E16-18	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



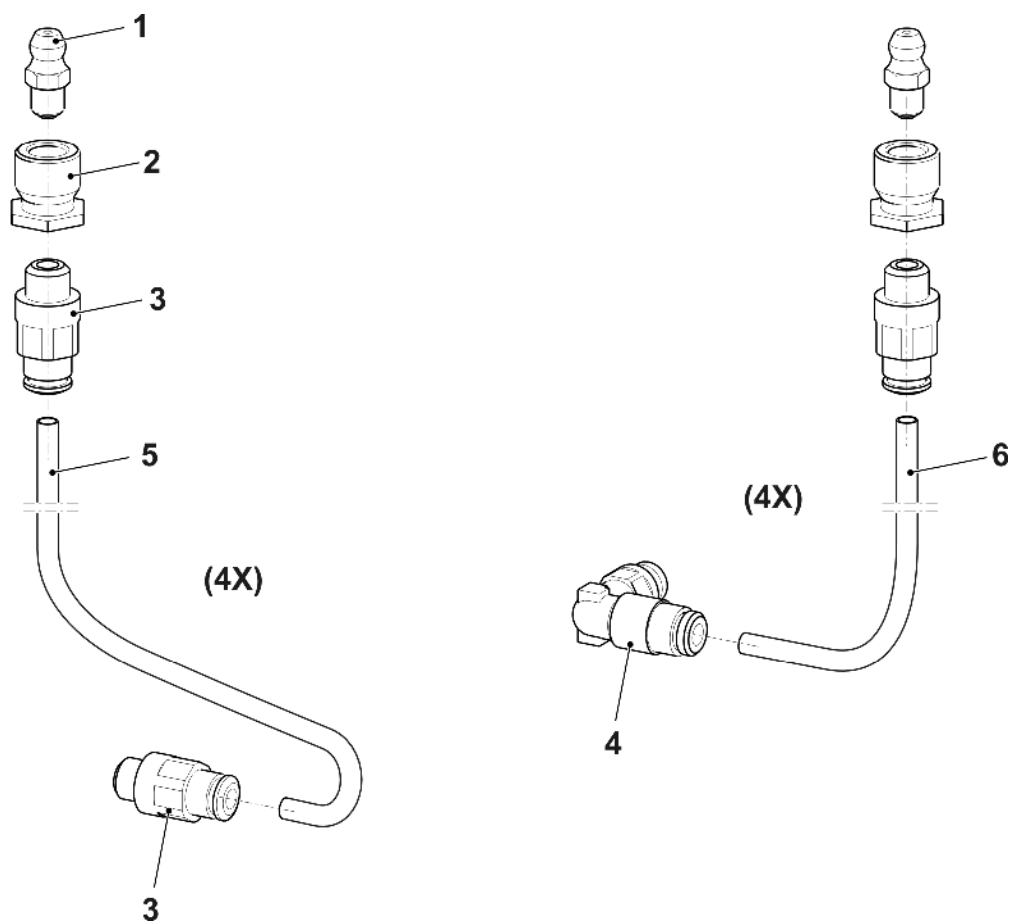
5.7 Holding-down jack control

Pos	Designation	ID	Pos	Designation	ID
Σ	Holding-down jack control complete		23	Slider on the left complete	
	E10	256 306		E10	256 396
	E12 E14 E12m.10 E14/12 E6.2	256 307		E12 E14 E12m.10 E14/12 E6.2	256 397
	E16 E18 E18m.16	256 308		E16 E18 E18m.16	256 398
	E7.2	256 309		E7.2	256 399
	E7.2 kw	267 272		E7.2 kw	260 894
	E8.2	256 310		E8.2	256 400
1	Assembly plate complete	256 311	24	Bolts	209 722
4	Adjusting plate	256 388	500	Pan head screw M4x6	023 427
5	Plunger	256 059	501	Cap screw M4x12	241 859
21	Base plate	256 064	520	Shim ring 5x8x0.5	256 371
22	Slider on the right complete		521	Retaining ring 5x0,6	023 347
	E10	251 540	30*	Eccentric of holding-down jack control	256 994
	E12 E14 E12m.10 E14/12 E6.2	256 392			
	E16 E18 E18m.16	256 393			
	E7.2	256 394			
	E7.2 kw	260 895			
	E8.2	256 395			



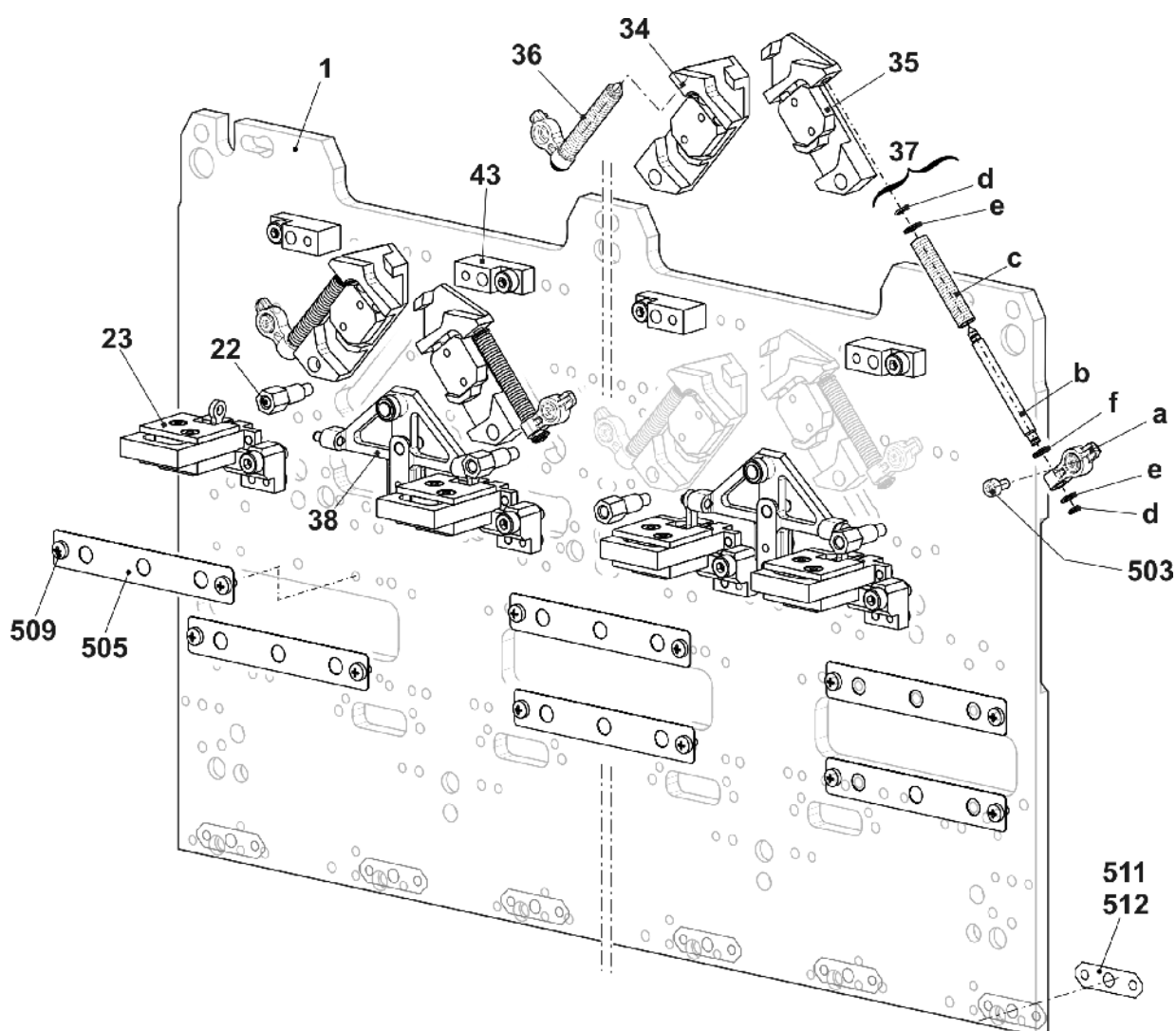
5.8 Grease supply

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



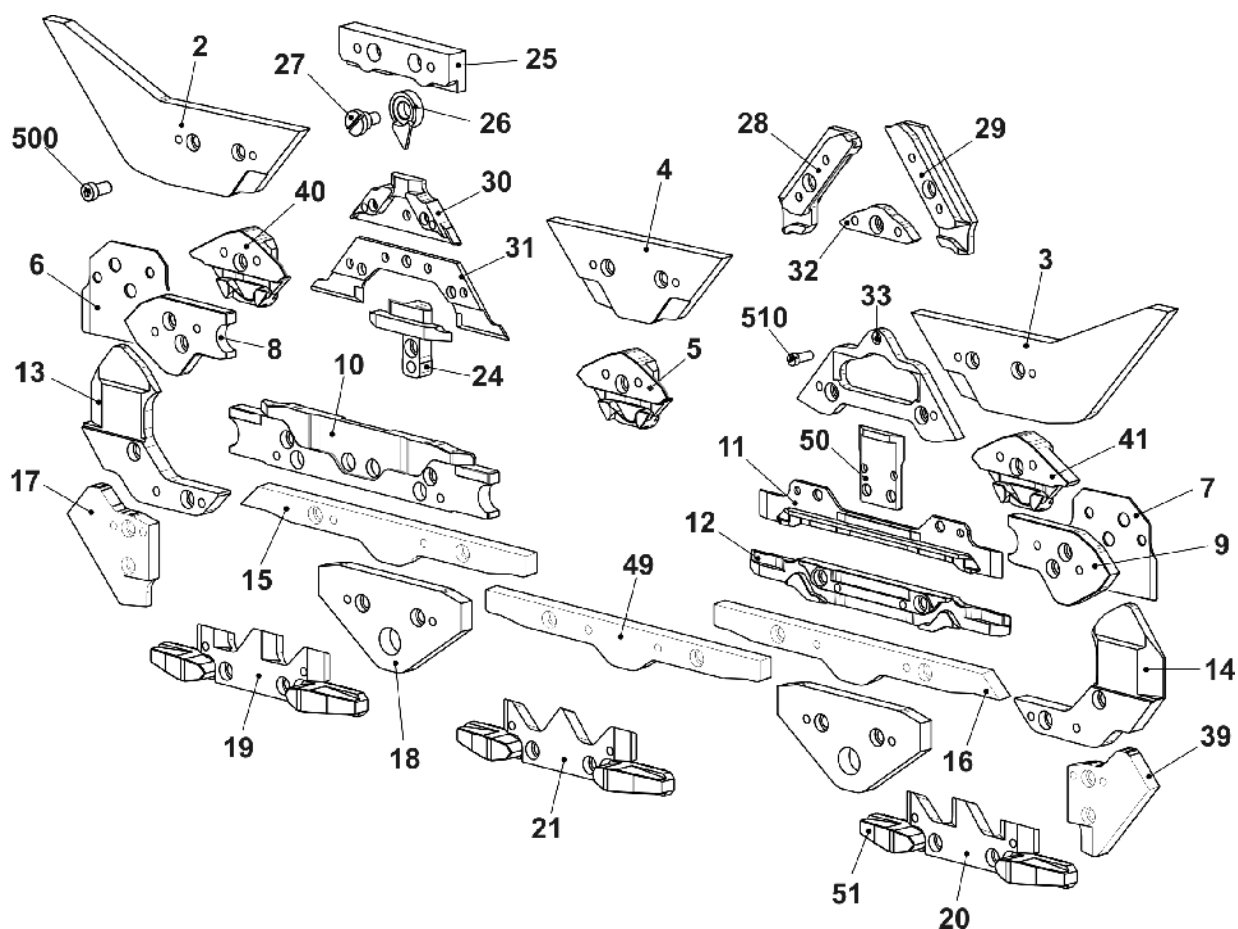
5.9 Cam box E10

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E10	269 998			
1	Cam plate 3 cam boxes E10-18	269 844	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure cam complete	253 480		f Washer	022 893
34	Loop sinking cam on the left complete E10	254 246	38	Slider pressure cam complete	251 834
35	Loop sinking cam on the right complete E10	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	Shim 0,5x12x75	236 654
a	Rod guide part	258 148	509	Pan head screw M3x4	023 142
b	Spring rod	252 661	511	Shim 0,03x8x28	023 452
c	Compression spring	257 082	512	Shim 0,05x8x28	023 020



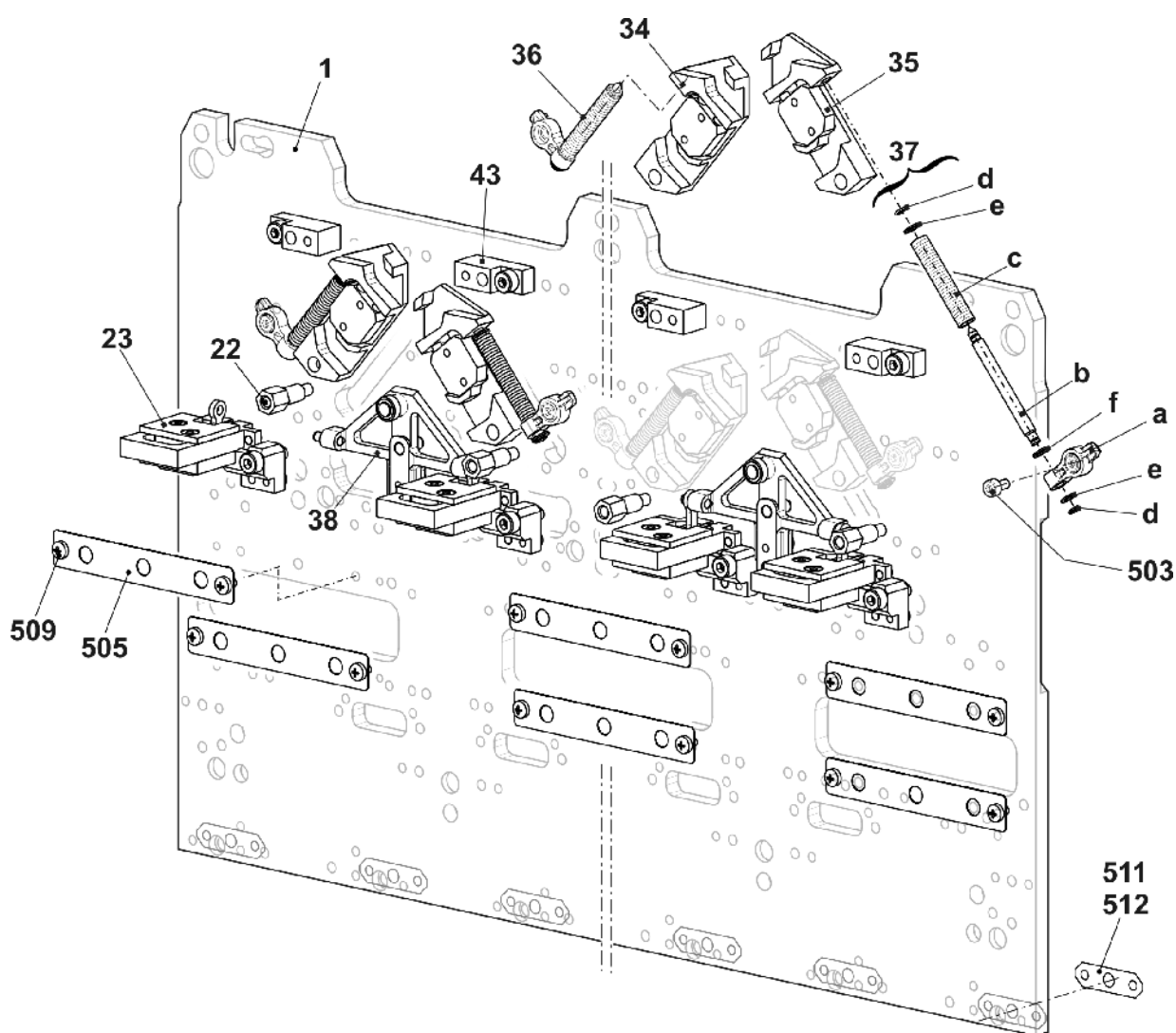
5.9.1 Cams E10

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	266 719	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	266 720	25	Limiting cam E10 E7.2	251 993
4	Entry cam at the top E10-18	265 660	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	Delivery pressure cam	253 838
18	Cam E10-18	269 831	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			



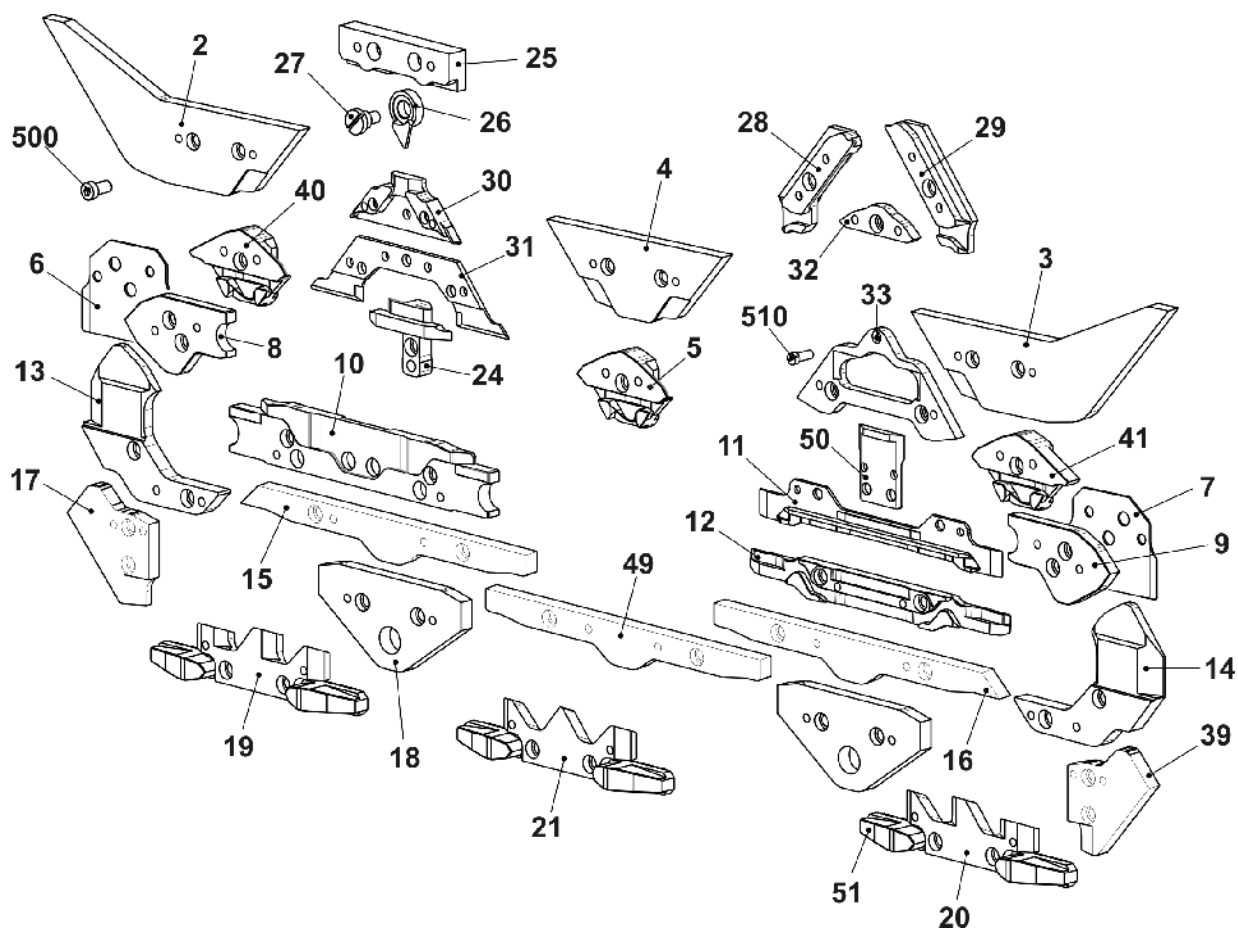
5.10 Cam box E12

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E12	269 999	37	d Circlip	023 565
1	Cam plate E10-18	269 844	e	Disk	259 647
22	Stay bolt	254 839	f	Washer	022 893
23	Guide of pressure cam complete	253 480	38	Slider pressure cam complete	251 834
34	Loop sinking cam on the left complete E12-14	254 248	43	Holding piece	251 828
35	Loop sinking cam on the right complete E12-14	254 249	503	Cap screw M3x6	022 589
36	Rod guide on the left complete	252 662	505	Shim 0,5x12x75	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	Shim 0,03x8x28	023 452
b	Spring rod	252 661	512	Shim 0,05x8x28	023 020
c	Compression spring	257 082			



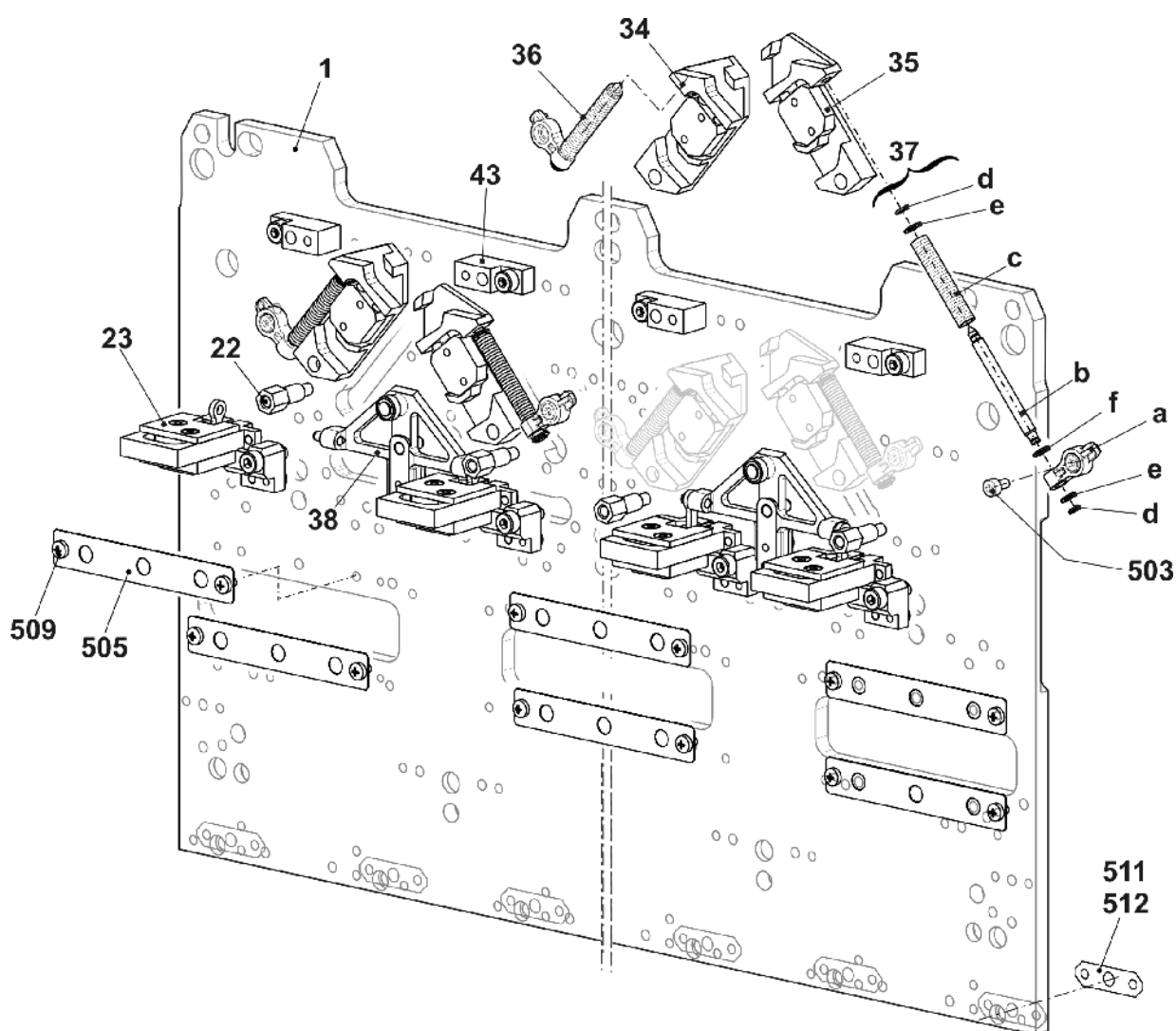
5.10.1 Cams E12

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	266 719	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	266 720	25	Limiting cam E12-14	252 522
4	Entry cam at the top E10-18	265 660	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	Delivery pressure cam	253 838
18	Cam E10-18	269 831	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			



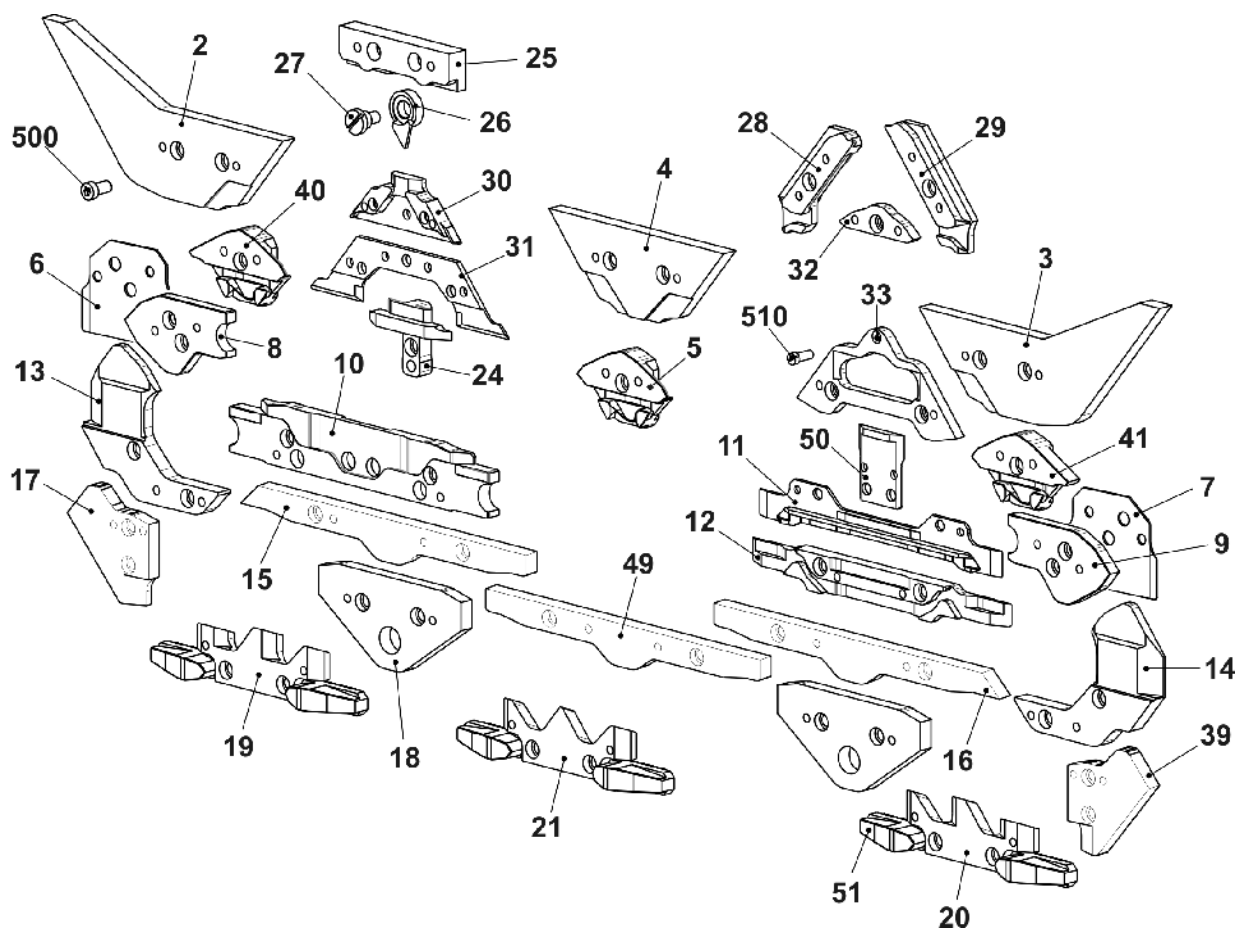
5.11 Cam box E6.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E6.2	270 002	37	d Circlip	023 565
1	Cam plate 3 cam boxes E10-18	269 844	e	Disk	259 647
22	Stay bolt	254 839	f	Washer	022 893
23	Guide of pressure cam complete	253 480	38	Slider pressure cam complete	251 834
34	Loop sinking cam on the left complete	254 248	43	Holding piece	251 828
35	Loop sinking cam on the right complete	254 249	503	Cap screw M3x6	022 589
36	Rod guide on the left complete	252 662	505	Shim 0,5x12x75	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	Shim 0,03x8x28	023 452
b	Spring rod	252 661	512	Shim 0,05x8x28	023 020
c	Compression spring	257 082			



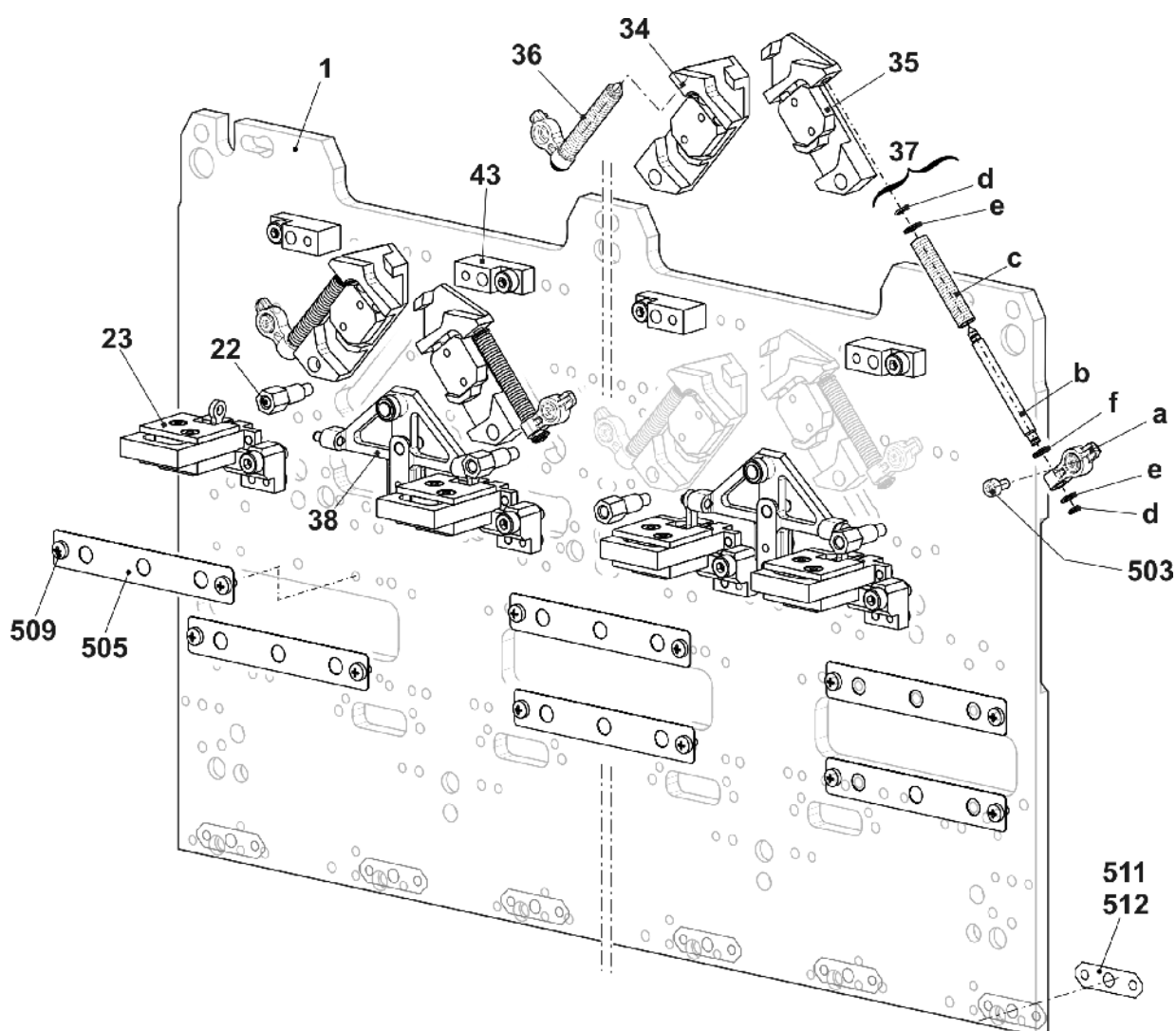
5.11.1 Cams E6.2

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	266 719	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	266 720	25	Limiting cam E6.2	252 955
4	Entry cam at the top E10-18	265 660	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 E6.2	254 342
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E6.2	254 343
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E6.2	254 301
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 E6.2	252 960
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E6.2	254 344
12	Cam guide E10-18	255 541		Raising cam with split-stitch E6.2	254 345
13	Cam on the left E10-18	255 613	39	Cam at the right E10-E18	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	Delivery pressure cam	253 838
18	Cam E10-18	269 831	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			



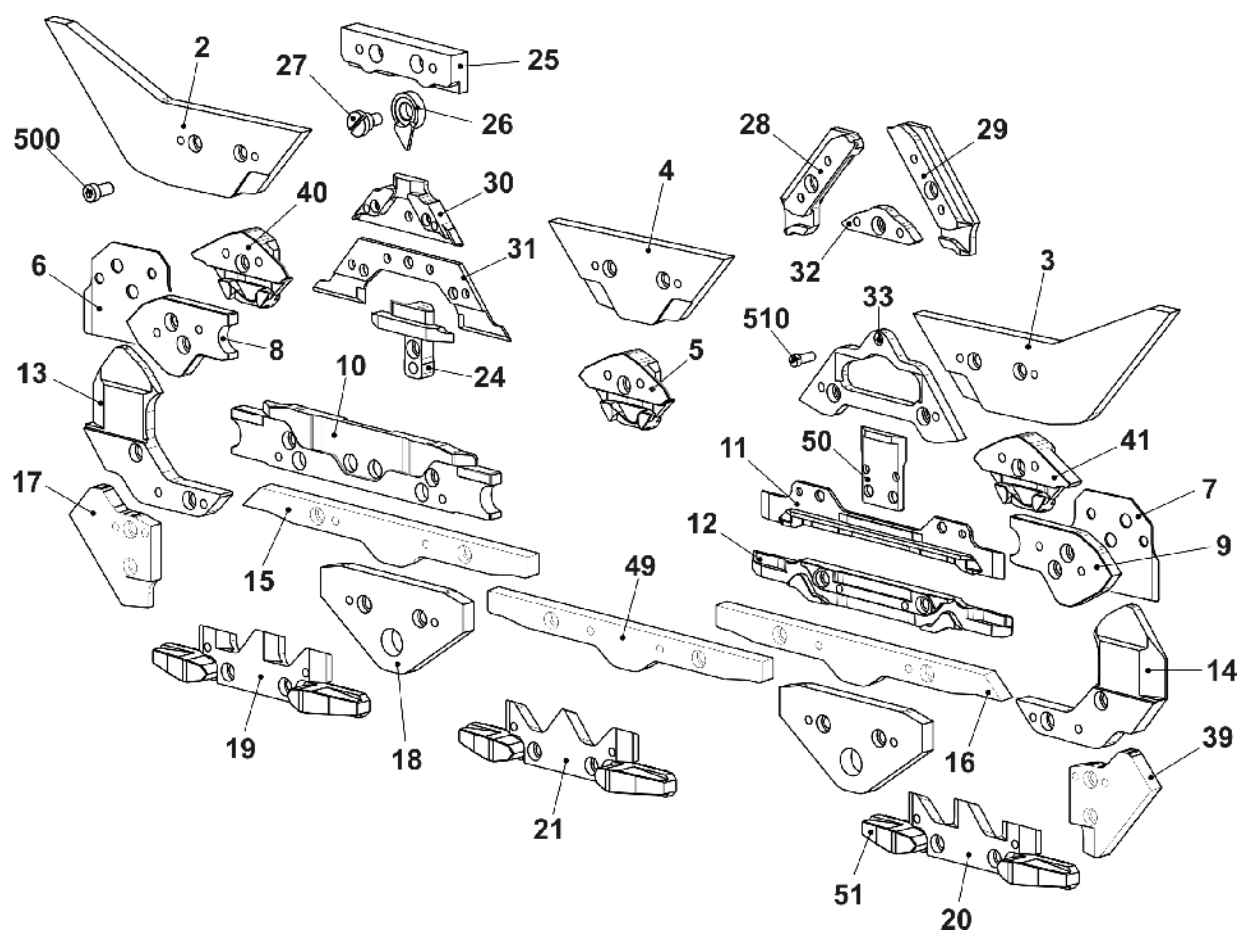
5.12 Cam box E14 | E14/12

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E14	269 943			
1	Cam plate E10-18	269 844	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure cam complete	253 480		f Washer	022 893
34	Loop sinking cam on the left complete E12-14	254 248	38	Slider pressure cam complete	251 834
35	Loop sinking cam on the right complete E12-14	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	Shim 0,5x12x75	236 654
	a Rod guide part	258 148	509	Pan head screw M3x4	023 142
	b Spring rod	252 661	511	Shim 0,03x8x28	023 452
	c Compression spring	257 082	512	Shim 0,05x8x28	023 020



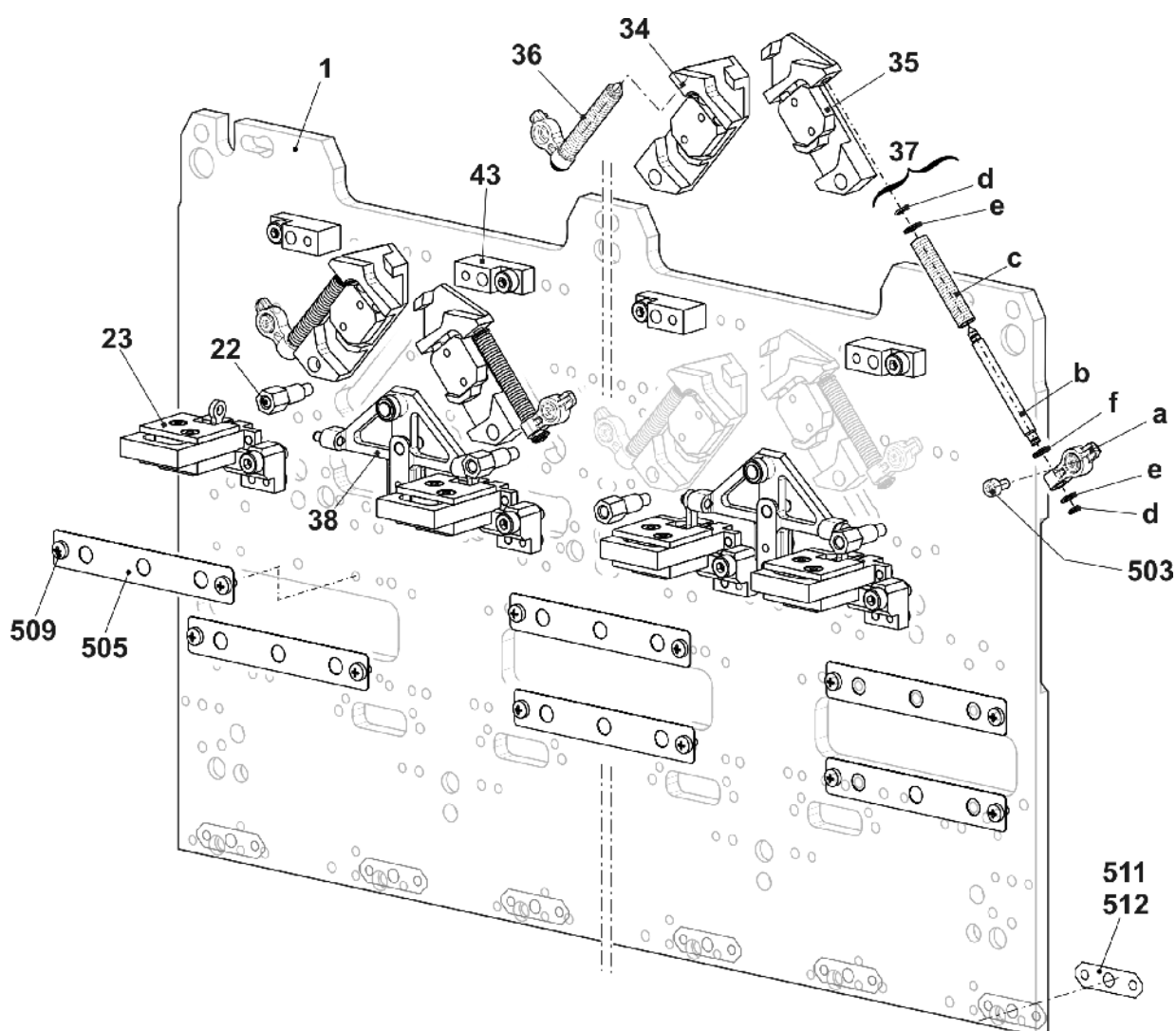
5.12.1 Cams E14 | E14/12

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	266 719	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	266 720	25	Limiting cam E12-14	252 522
4	Entry cam at the top E10-18	265 660	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	Delivery pressure cam	253 838
18	Cam E10-18	269 831	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			



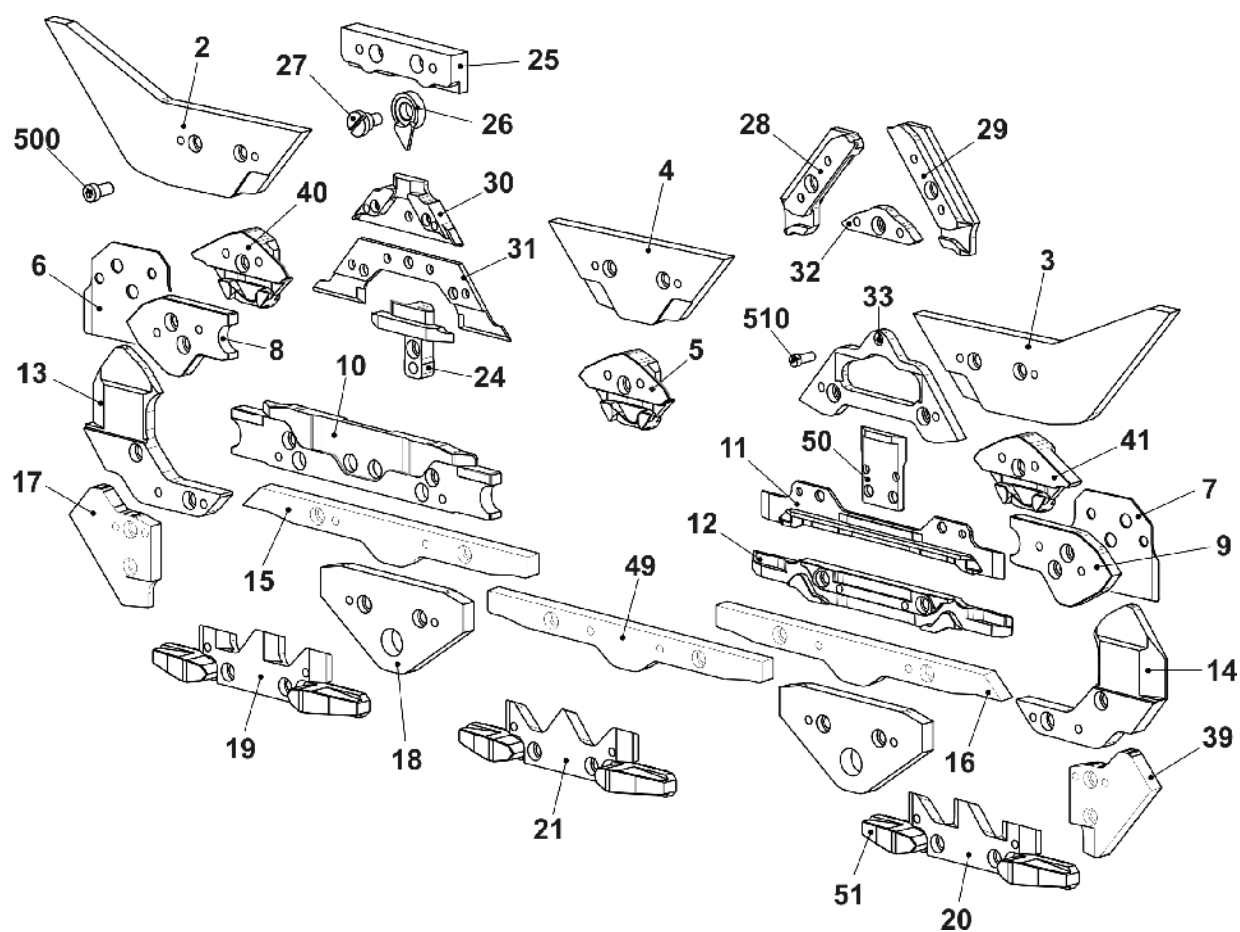
5.13 Cam box E7.2 | E12m.10

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E7.2 E12m.10	269 944			
1	Cam plate E10-18	269 844	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure cam complete	253 480		f Washer	022 893
34	Loop sinking cam on the left complete E12-14	254 248	38	Slider pressure cam complete	251 834
35	Loop sinking cam on the right complete E12-14	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	Shim 0,5x12x75	236 654
	a Rod guide part	258 148	509	Pan head screw M3x4	023 142
	b Spring rod	252 661	511	Shim 0,03x8x28	023 452
	c Compression spring	257 082	512	Shim 0,05x8x28	023 020



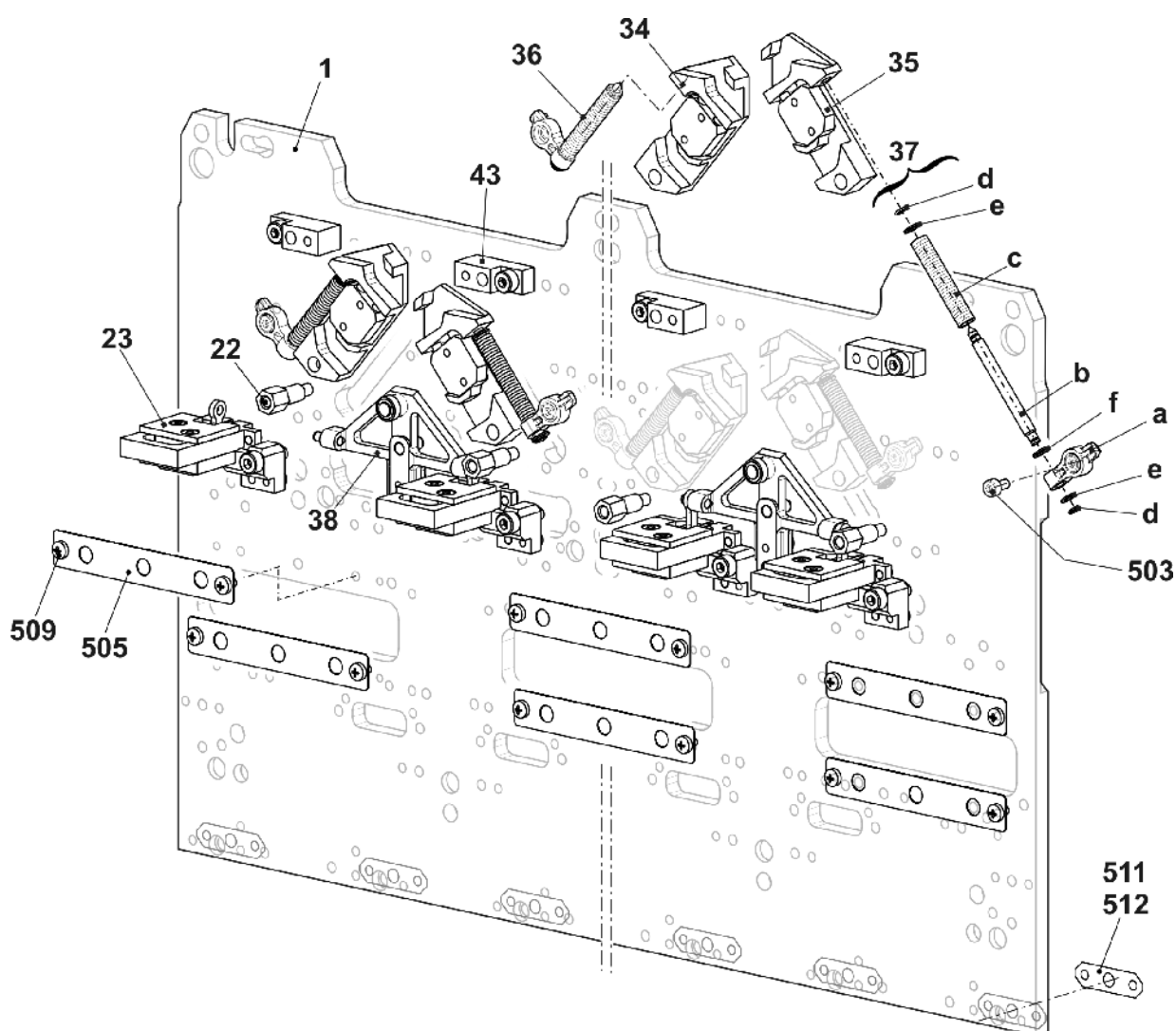
5.13.1 Cams E7.2 | E12m.10

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	266 719	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	266 720	25	Limiting cam E10 E7.2	251 993
4	Entry cam at the top E10-18	265 660	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	Delivery pressure cam	253 838
18	Cam E10-18	269 831	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			



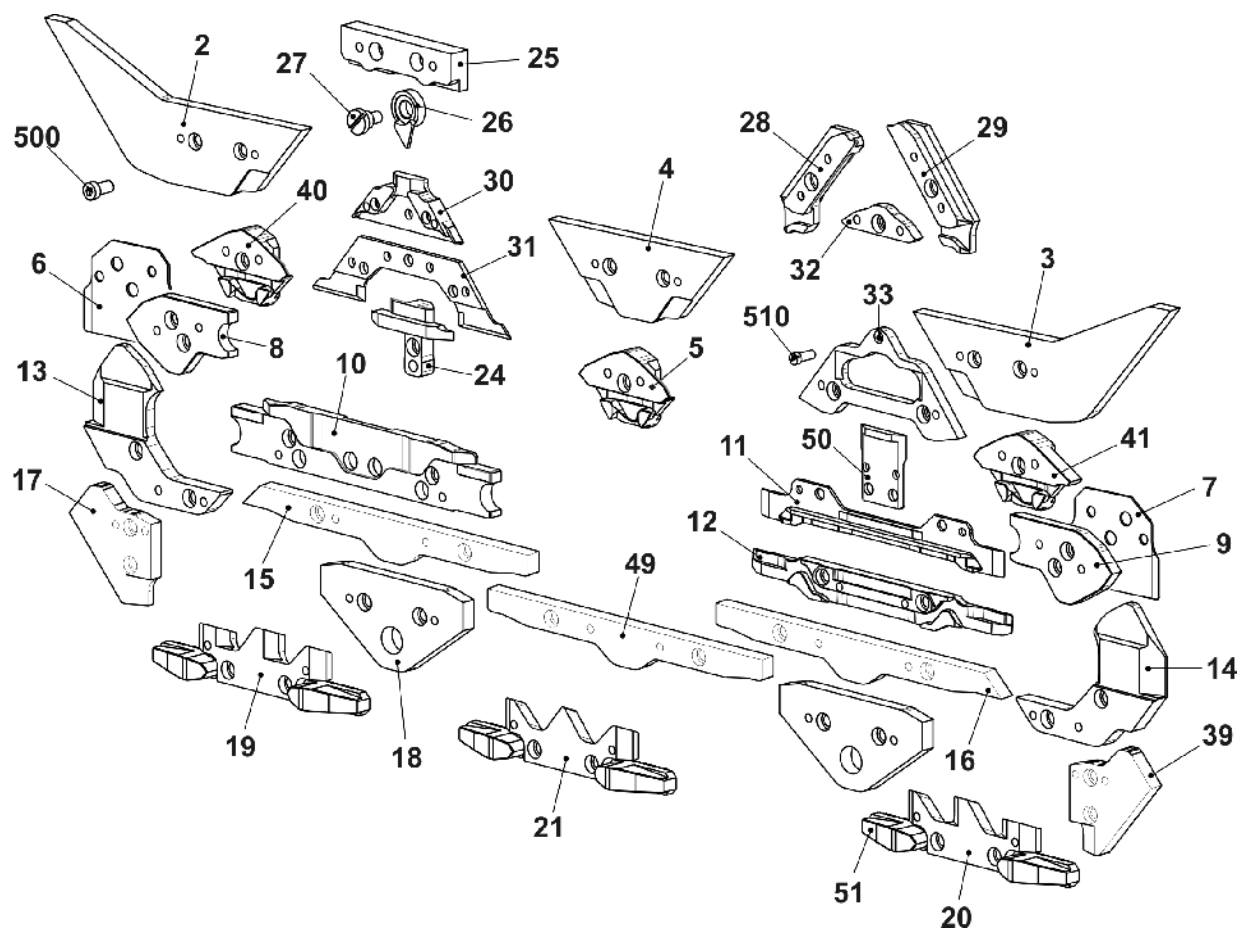
5.14 Cam box E7.2 kw

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E7.2	269 945			
1	Cam plate E10-18	269 844	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure cam complete	253 480		f Washer	022 893
34	Loop sinking cam on the left complete E12-14	254 248	38	Slider pressure cam complete	251 834
35	Loop sinking cam on the right complete E12-14	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	Shim 0,5x12x75	236 654
	a Rod guide part	258 148	509	Pan head screw M3x4	023 142
	b Spring rod	252 661	511	Shim 0,03x8x28	023 452
	c Compression spring	257 082	512	Shim 0,05x8x28	023 020



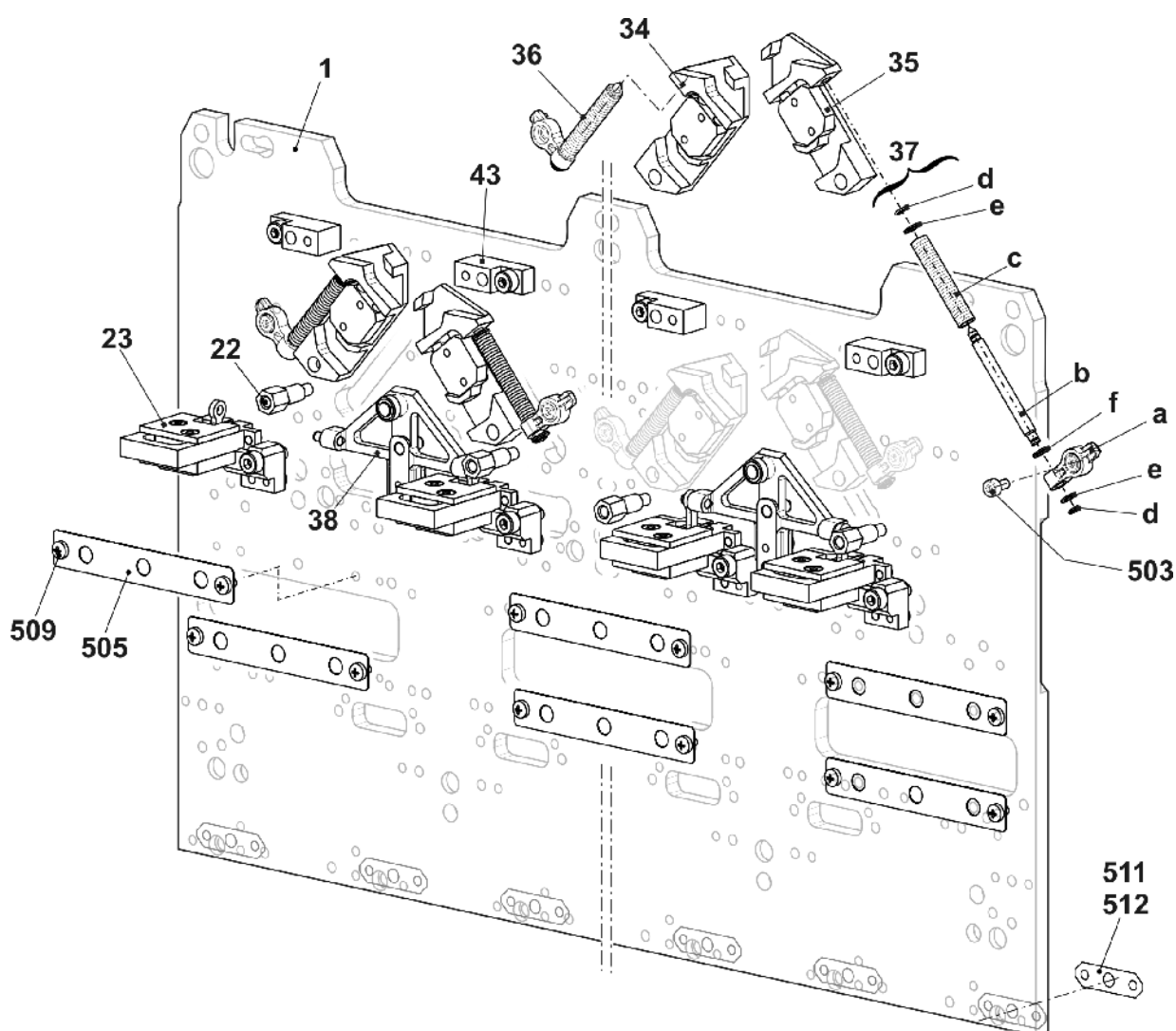
5.14.1 Cams E7.2 kw

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E6.2 E7.2	267 390	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E6.2 E7.2	267 391	25	Limiting cam E10 E7.2	251 993
4	Entry cam at the top	267 337	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	Delivery pressure cam	253 838
18	Cam E10-18	269 831	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			



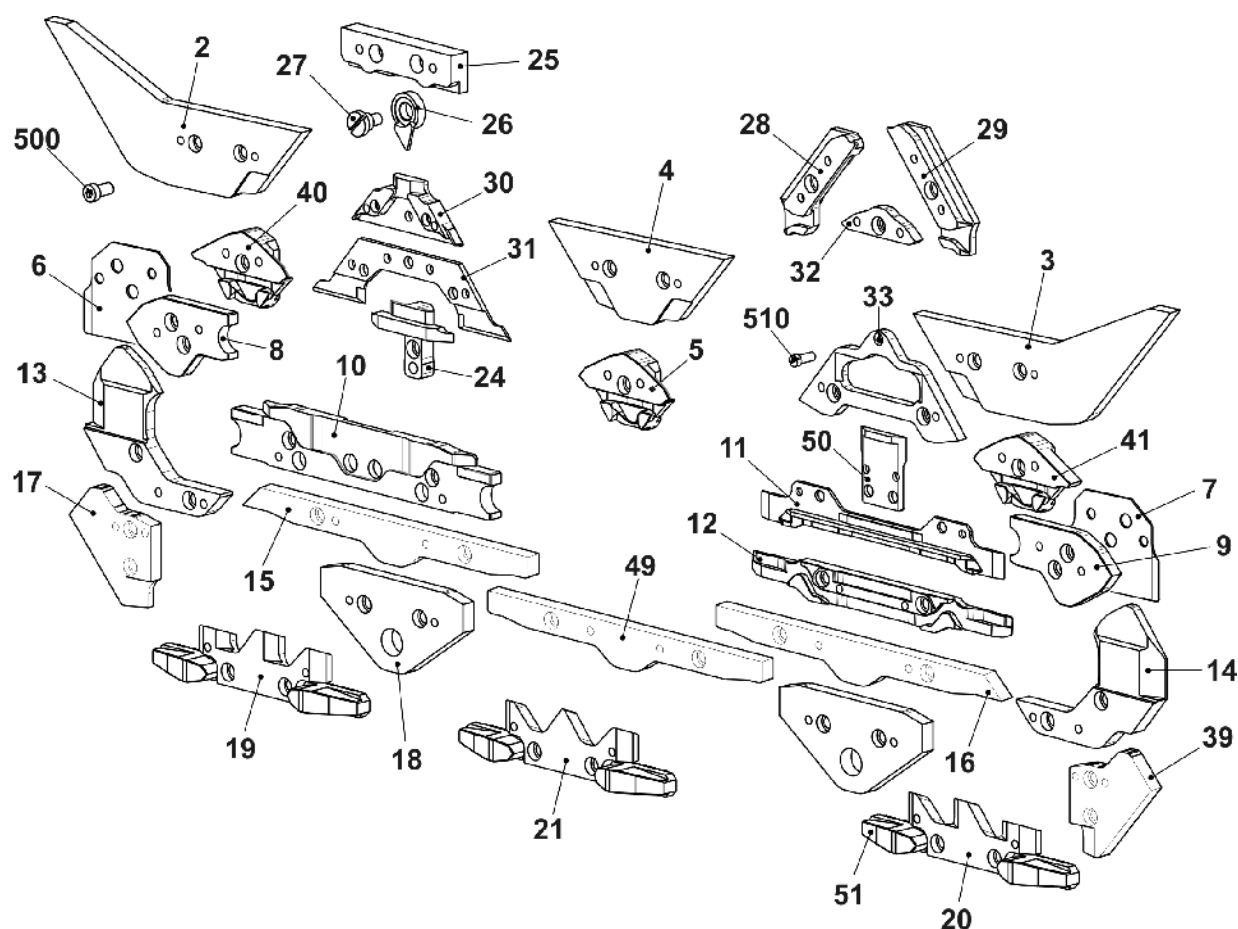
5.15 Cam box E16|E18|E18m.16

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E16-18	270 001			
1	Cam plate E10-18	269 844	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure cam complete	253 480		f Washer	022 893
34	Loop sinking cam on the left complete E16-18	251 965	38	Slider pressure cam complete	251 834
35	Loop sinking cam on the right complete E16-18	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	Shim 0,5x12x75	236 654
a	Rod guide part	258 148	509	Pan head screw M3x4	023 142
b	Spring rod	252 661	511	Shim 0,03x8x28	023 452
c	Compression spring	257 082	512	Shim 0,05x8x28	023 020



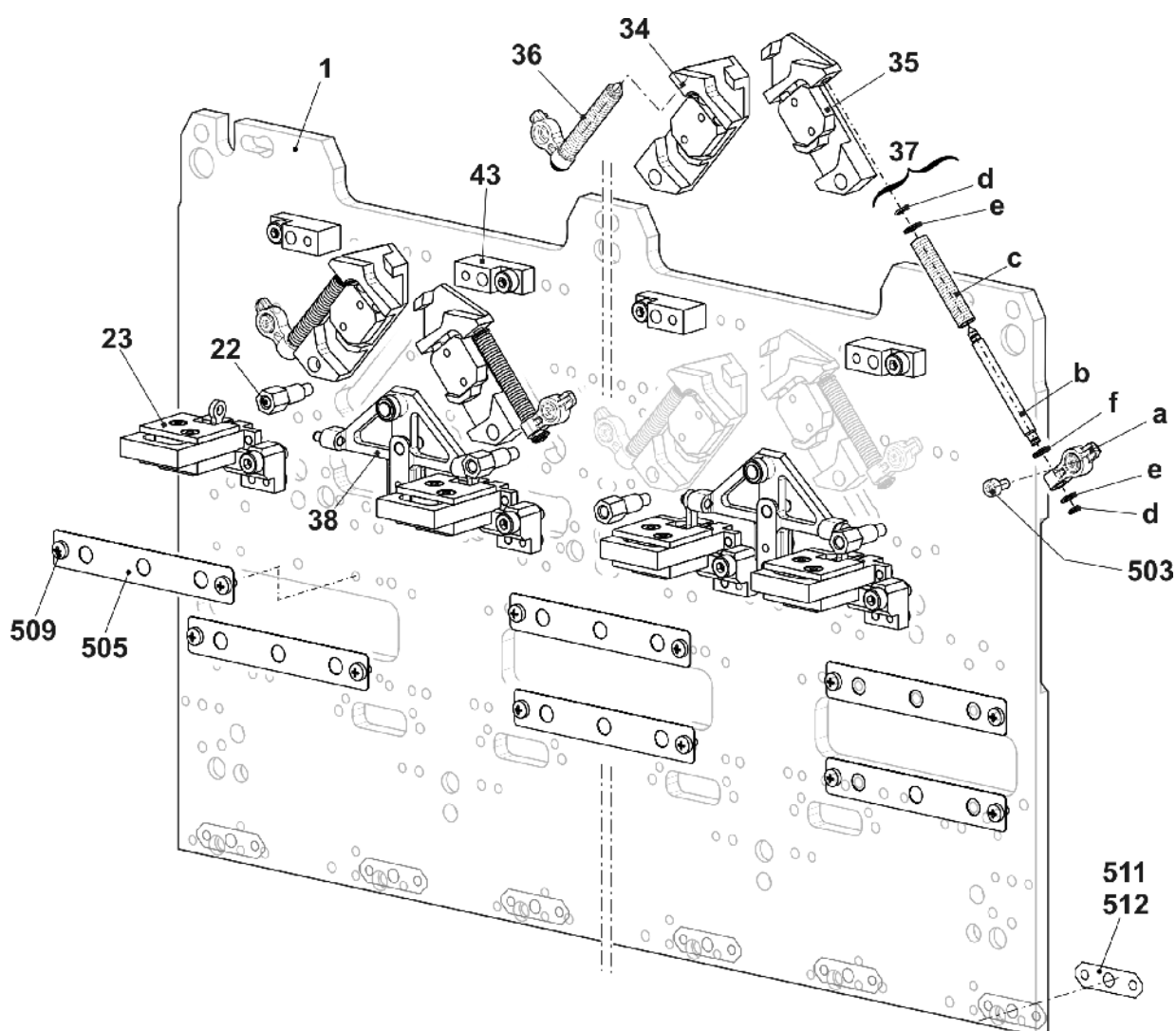
5.15.1 Cams E16|E18|E18m.16

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	266 719	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	266 720	25	Limiting cam E16-18	252 646
4	Entry cam at the top E10-18	265 660	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	Delivery pressure cam	253 838
18	Cam E10-18	269 831	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			



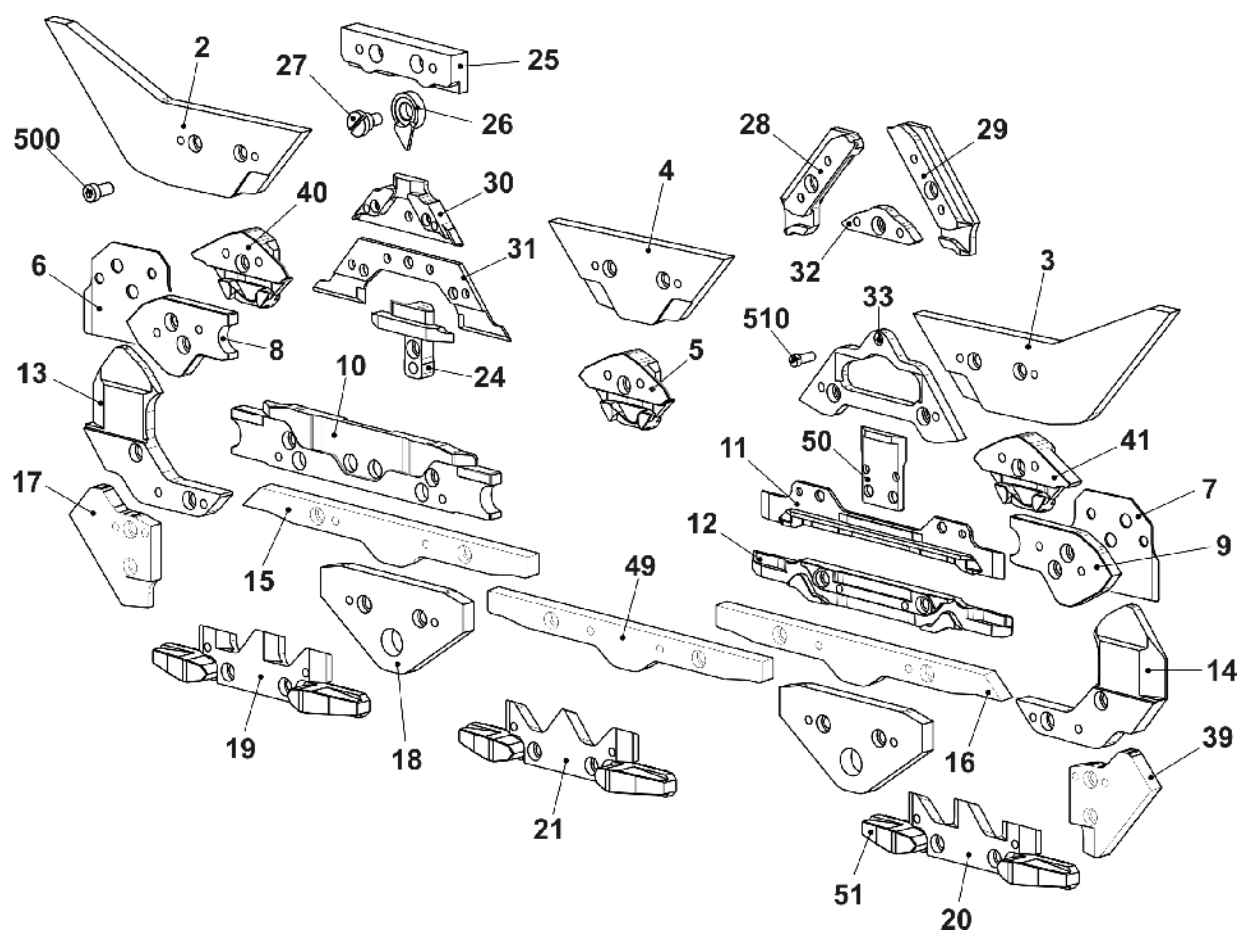
5.16 Cam box E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box complete E8.2	270 004			
1	Cam plate E10-18	269 844	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure cam complete	253 480		f Washer	022 893
34	Loop sinking cam on the left complete E16-18	251 965	38	Slider pressure cam complete	251 834
35	Loop sinking cam on the right complete E16-18	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	Shim 0,5x12x75	236 654
	a Rod guide part	258 148	509	Pan head screw M3x4	023 142
	b Spring rod	252 661	511	Shim 0,03x8x28	023 452
	c Compression spring	257 082	512	Shim 0,05x8x28	023 020

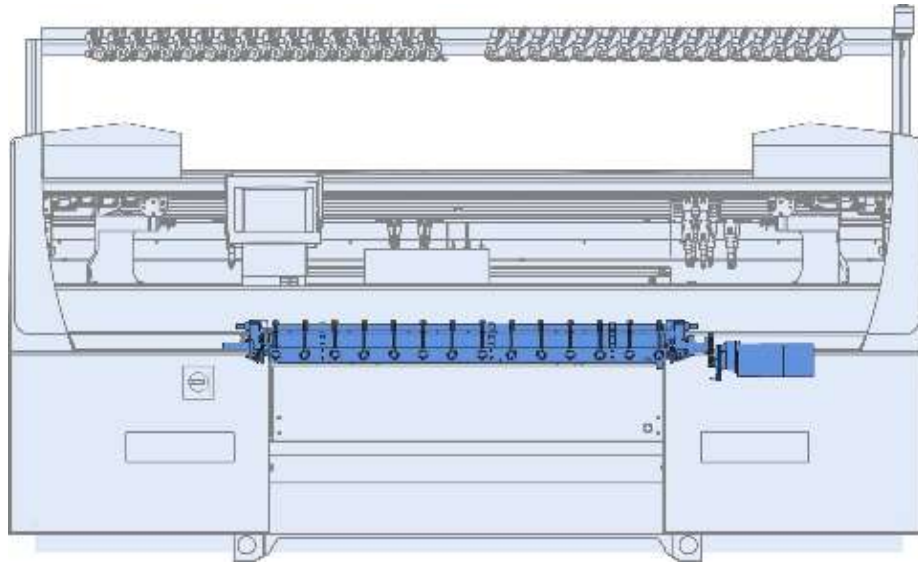


5.16.1 Cams E8.2

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	266 719	24	Tuck pressure cam	253 828
3	Entry cam on the right at the top E10-18	266 720	25	Limiting cam E8.2	260 901
4	Entry cam at the top E10-18	265 660	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	Delivery pressure cam	253 838
18	Cam E10-18	269 831	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			

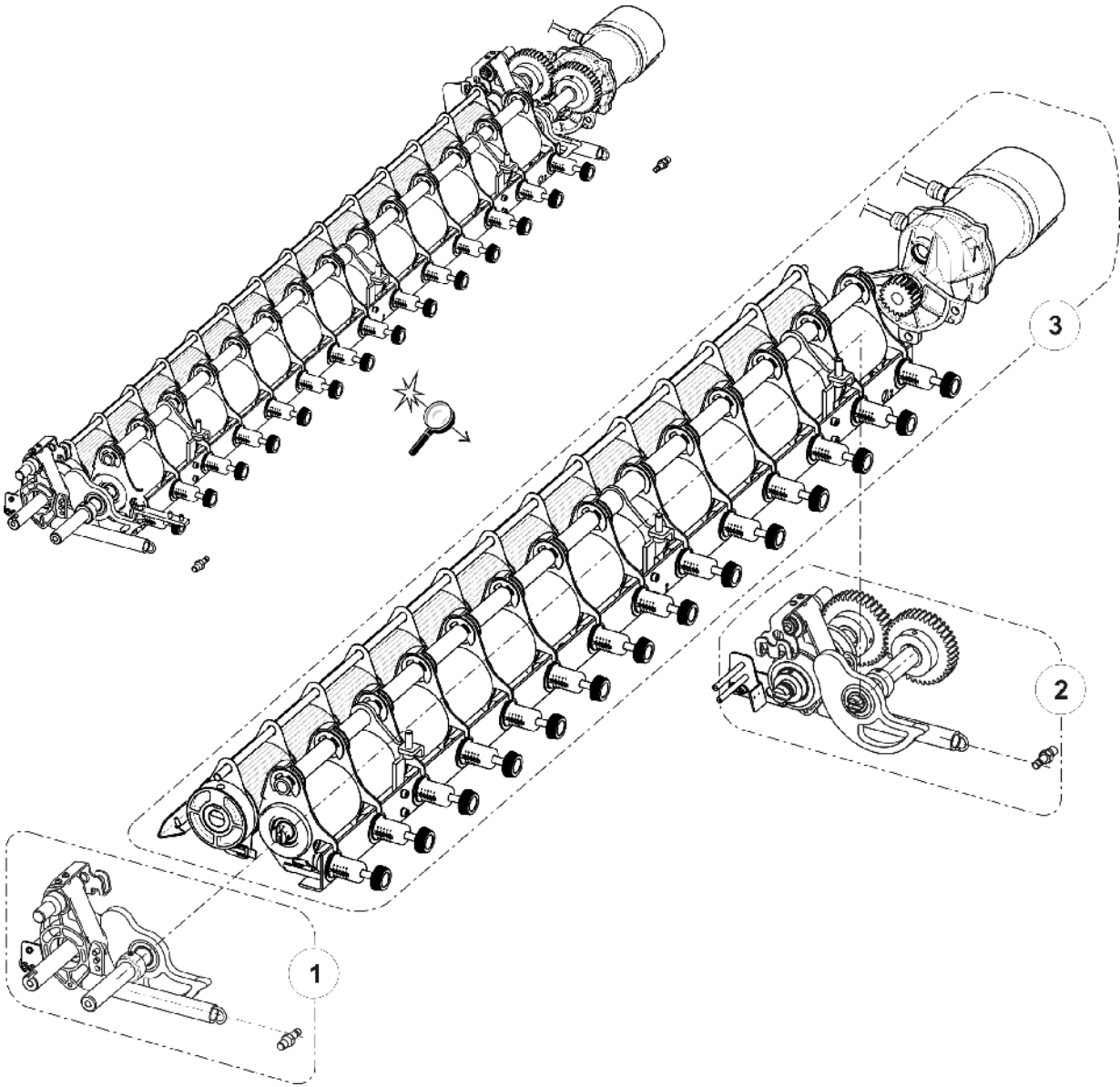


6 Main take-down



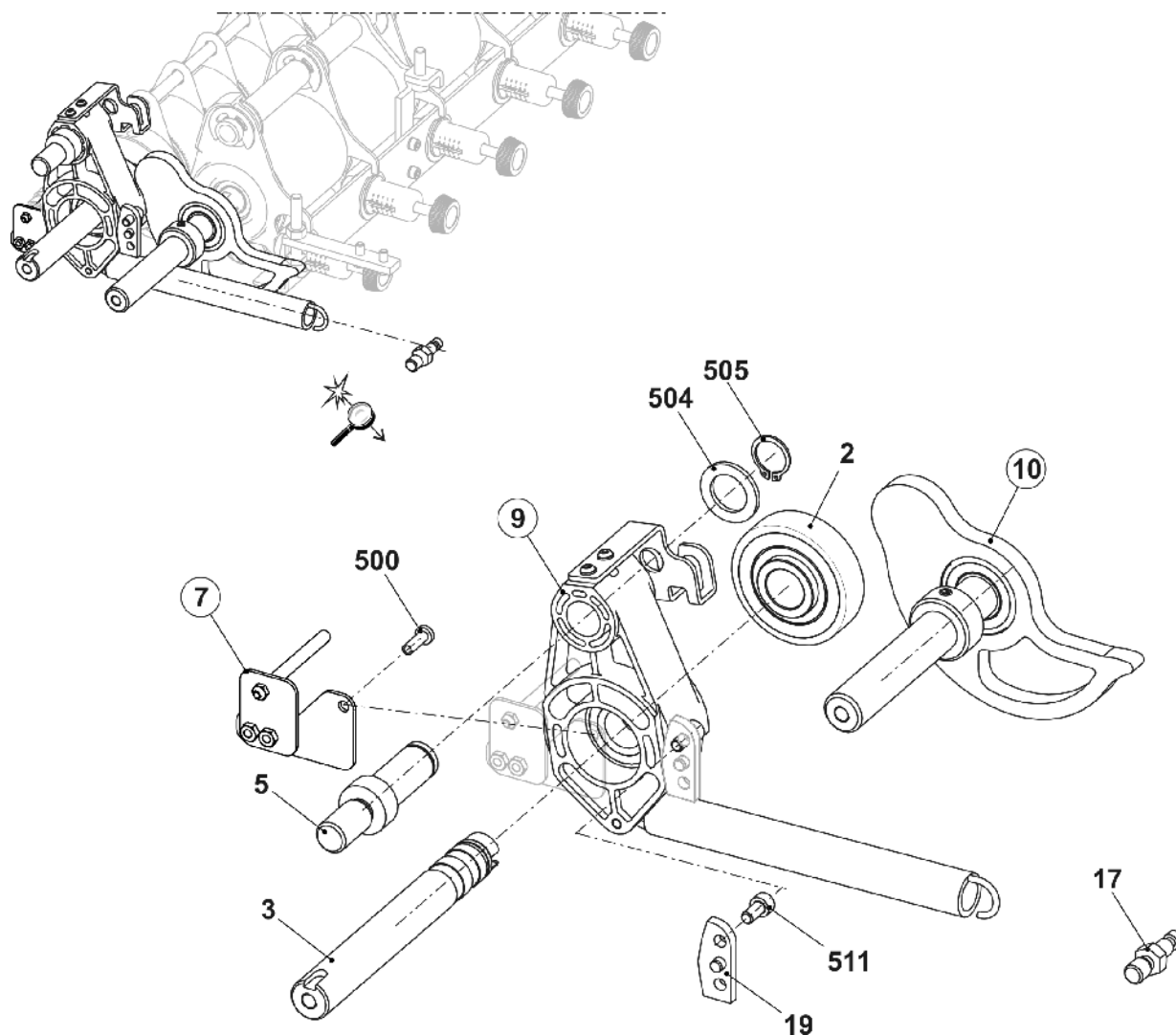
6.1 Main take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down				
1	Main take-down on the left	267 098	3	Main take-down in the middle E10 E12 E14 E6.2(12m.10) E6.2 E7.2 E14/12	265 823
2	Main take-down on the right	267 097		Main take-down in the middle E16 E18 E8.2	266 252



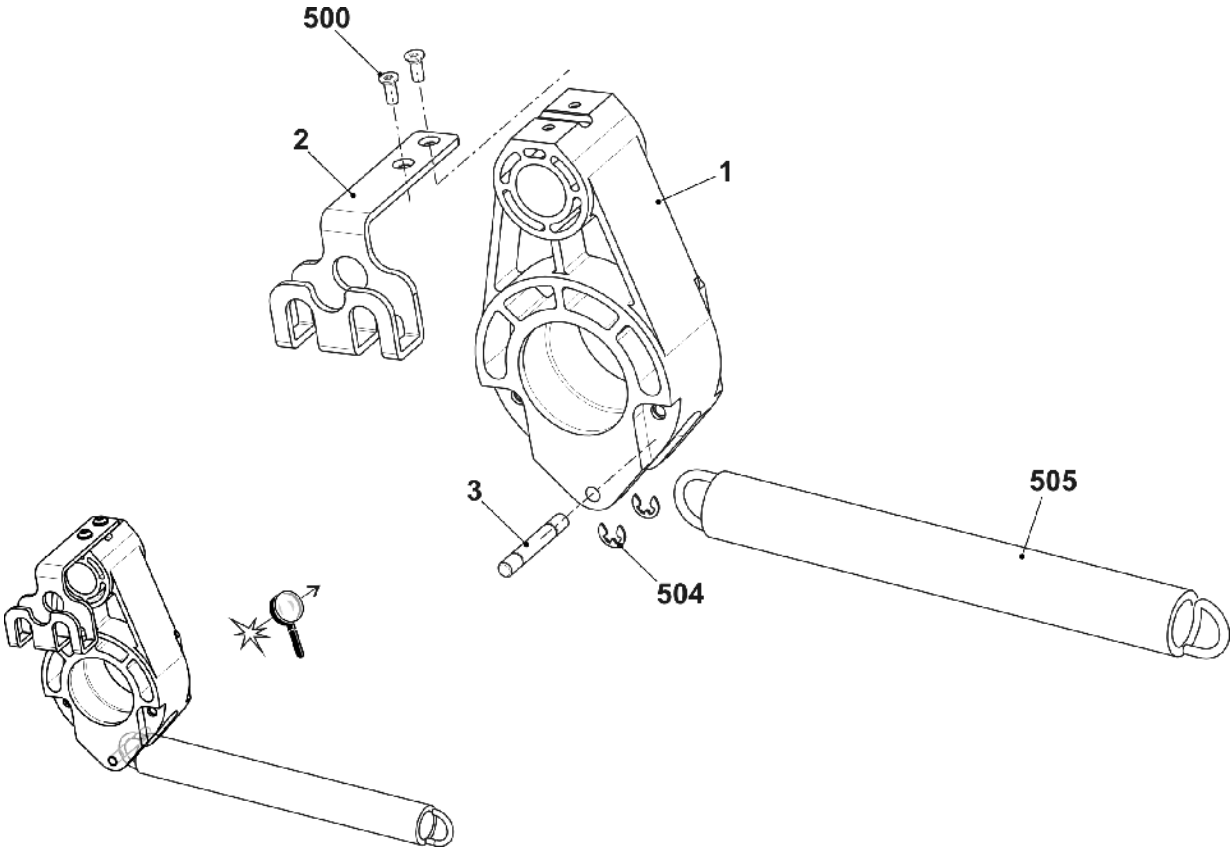
6.1.1 Main take-down on the left

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on the left	267 098			
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	267 031	504	Washer	023 295
9	Swivel-mounted bearing on the left	273 231	505	Retaining ring 18x1,2	020 955
10	Full floating axle on the left	251 984	511	Cap screw M6x12	020 134



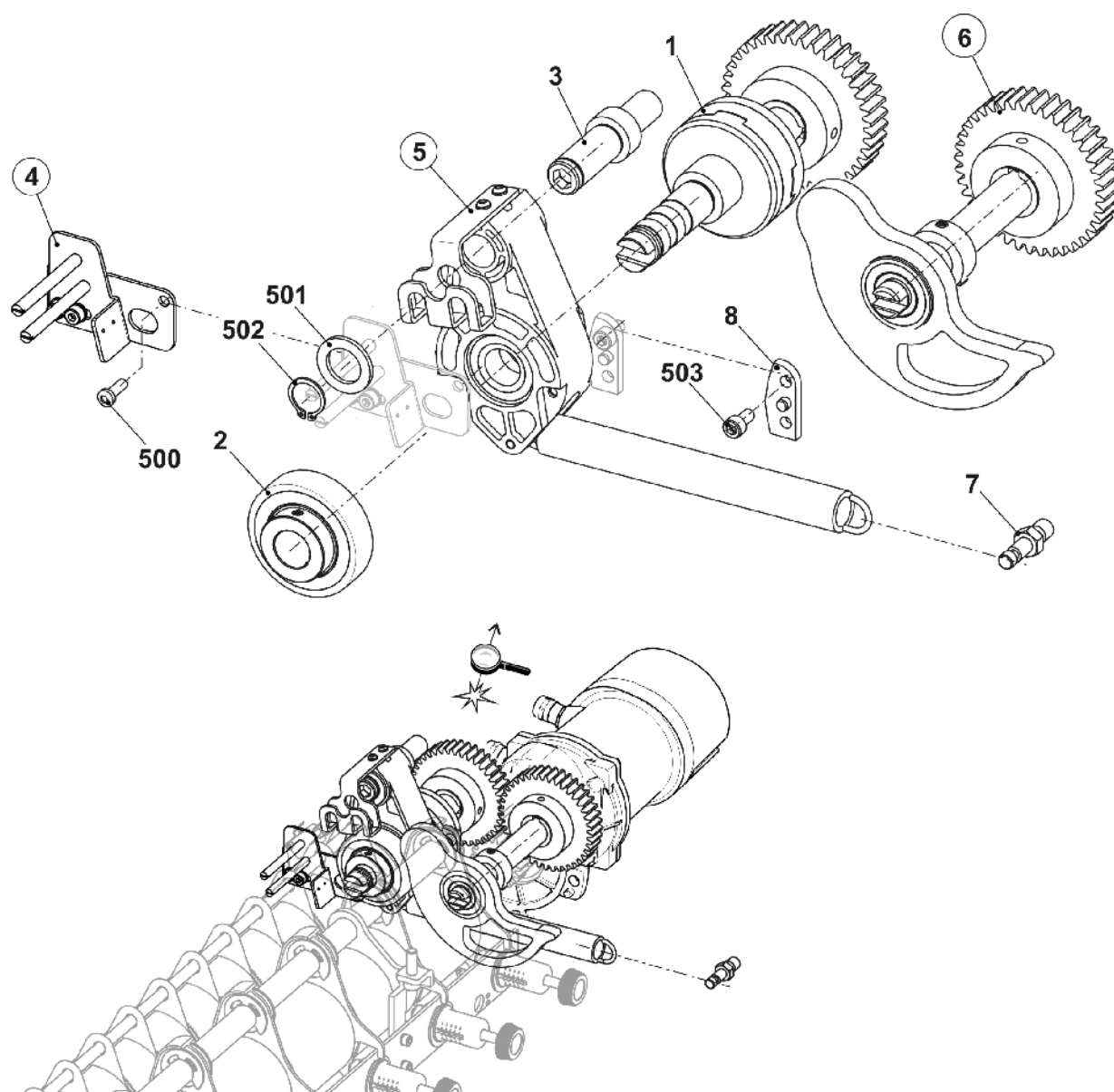
6.1.1.1 Swivel-mounted bearing

Pos	Designation	Id	Pos	Designation	Id
Σ	Swivel-mounted bearing	273 231			
1	Swivel-mounted bearing	241 996	500	Screw M35x10	259 102
2	Sheet metal support	251 749	504	Circlip 4	021 020
3	Axle	251 758	505	Tension spring 21x3,0x192	240 217



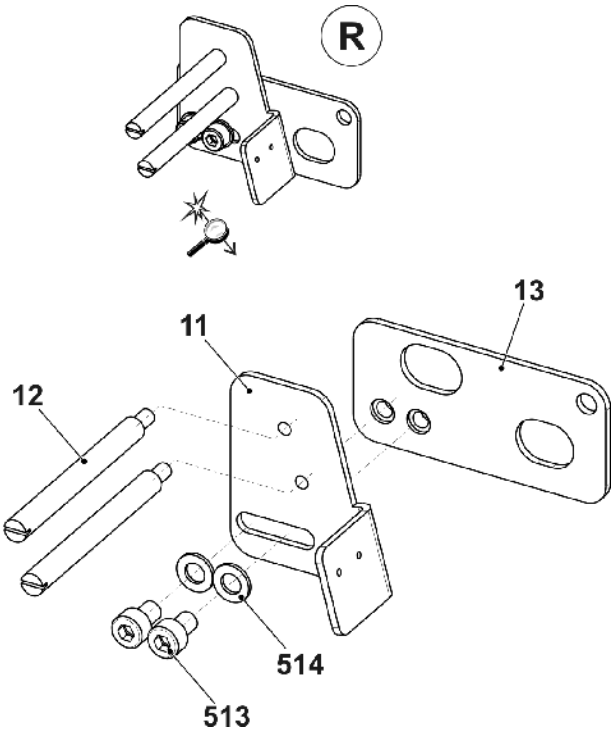
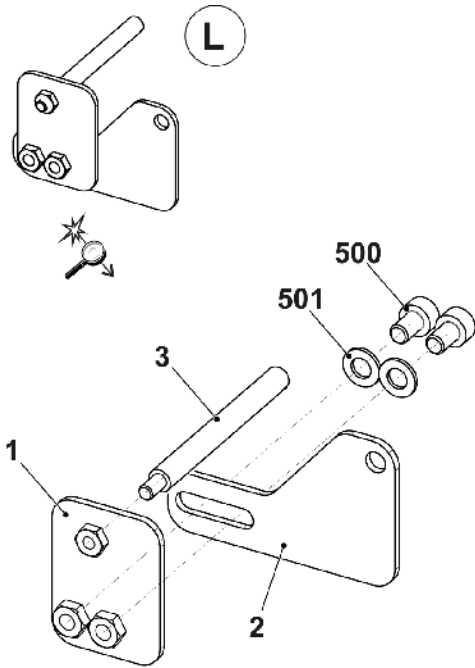
6.1.2 Main take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on the right	267 097			
1	Clutch set	251 677	7	Spring bolt	221 143
2	Bearing race complete	244 459	8	Stop point	252 503
3	Bolts	208 538	500	Screw 50x15	251 728
4	Mounting plate on the right complete	267 032	501	Washer	023 295
5	Swivel-mounted bearing on the right	251 761	502	Retaining ring 18x1,2	020 955
6	Full floating axle on the right	251 985	503	Cap screw M6x12	020 134



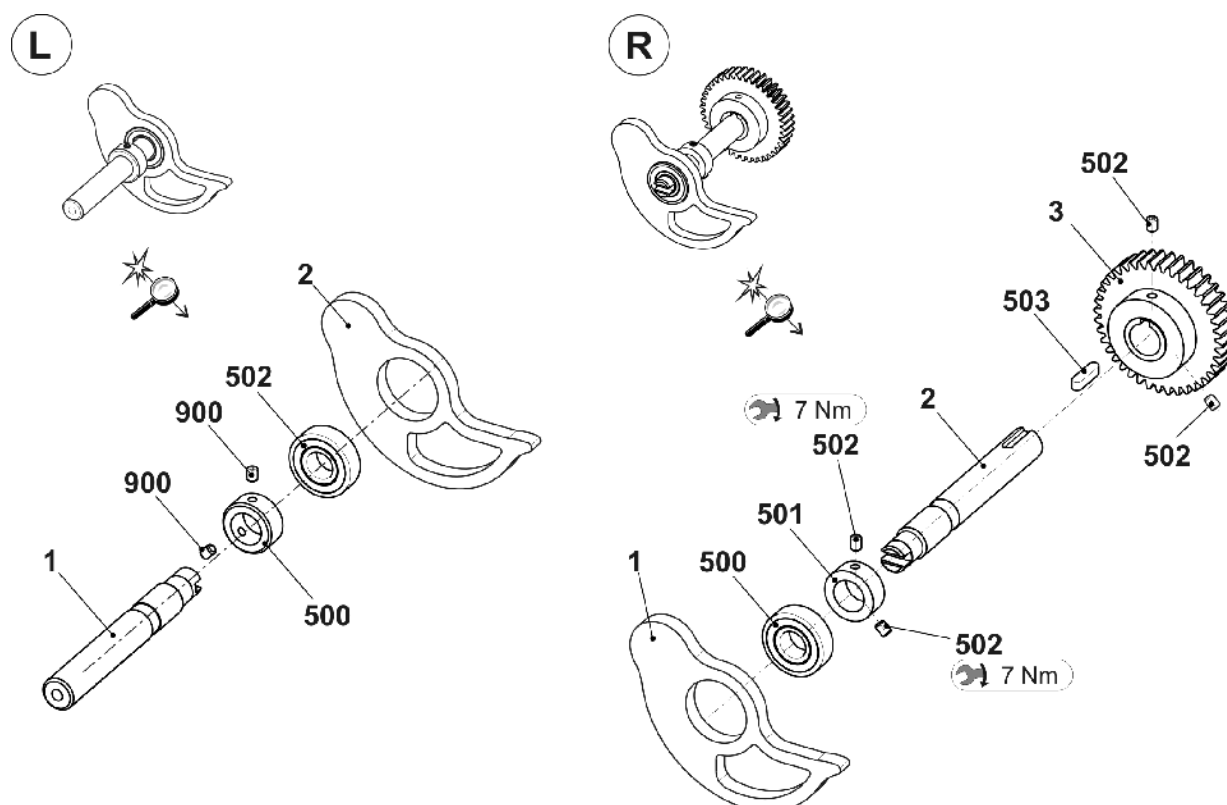
6.1.2.1 Mounting plate on the left and right

Pos	Designation	ID	Pos	Designation	ID
Σ L	Mounting plate on the left complete	267 031	Σ R	Mounting plate on the right complete	267 032
1	Mounting plate on the left	265 868	11	Mounting plate on the right	265 757
2	Retaining plate on the left	231 539	12	Shoulder screw	240 067
3	Shoulder screw	240 067	13	Retaining plate on the right	265 867
500	Cap screw M5x8	244 278	513	Cap screw M5x8	244 278
501	Washer 5-200	020 871	514	Washer 5-200	020 871



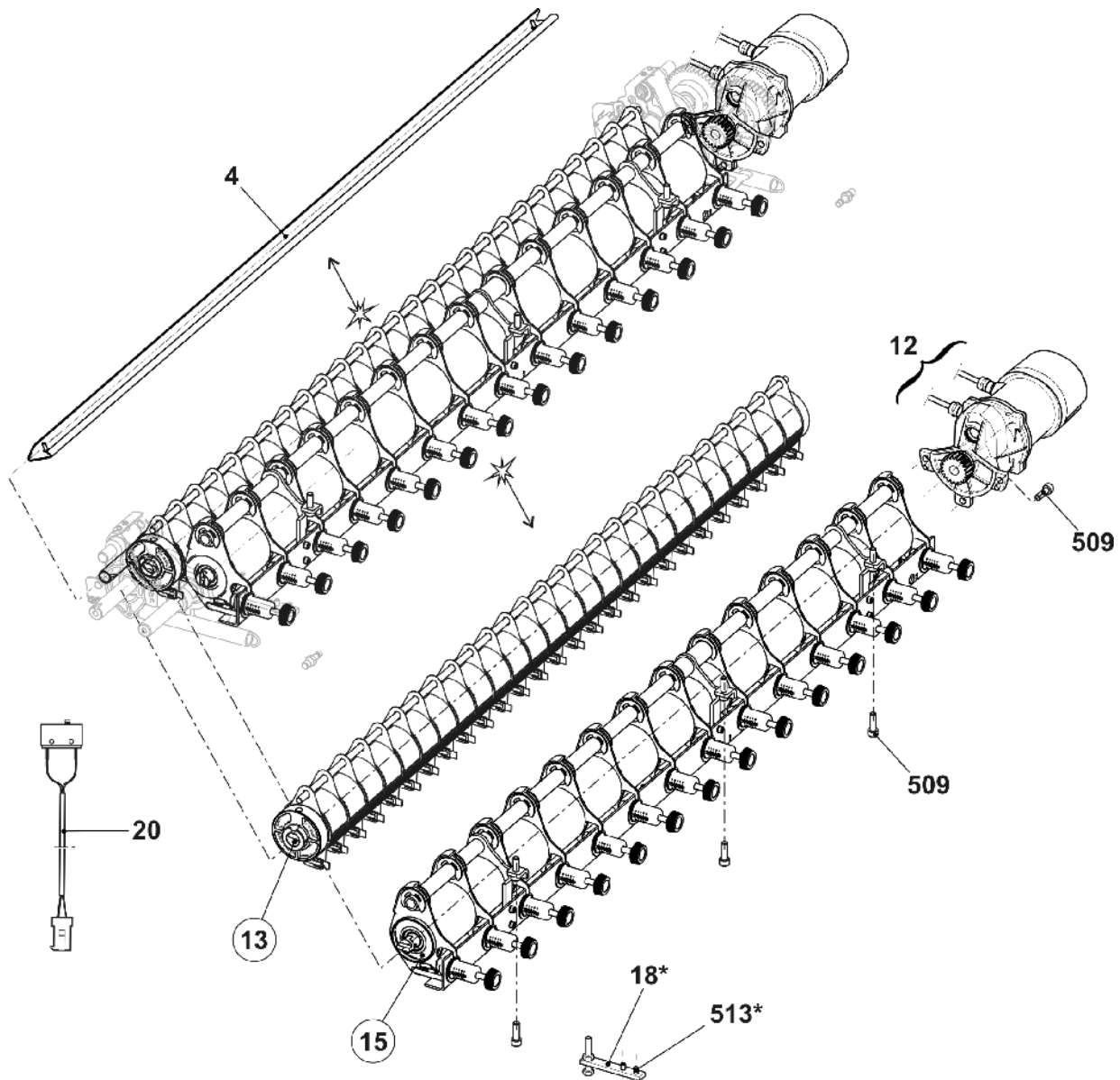
6.1.2.2 Full floating axle on the left and the right

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



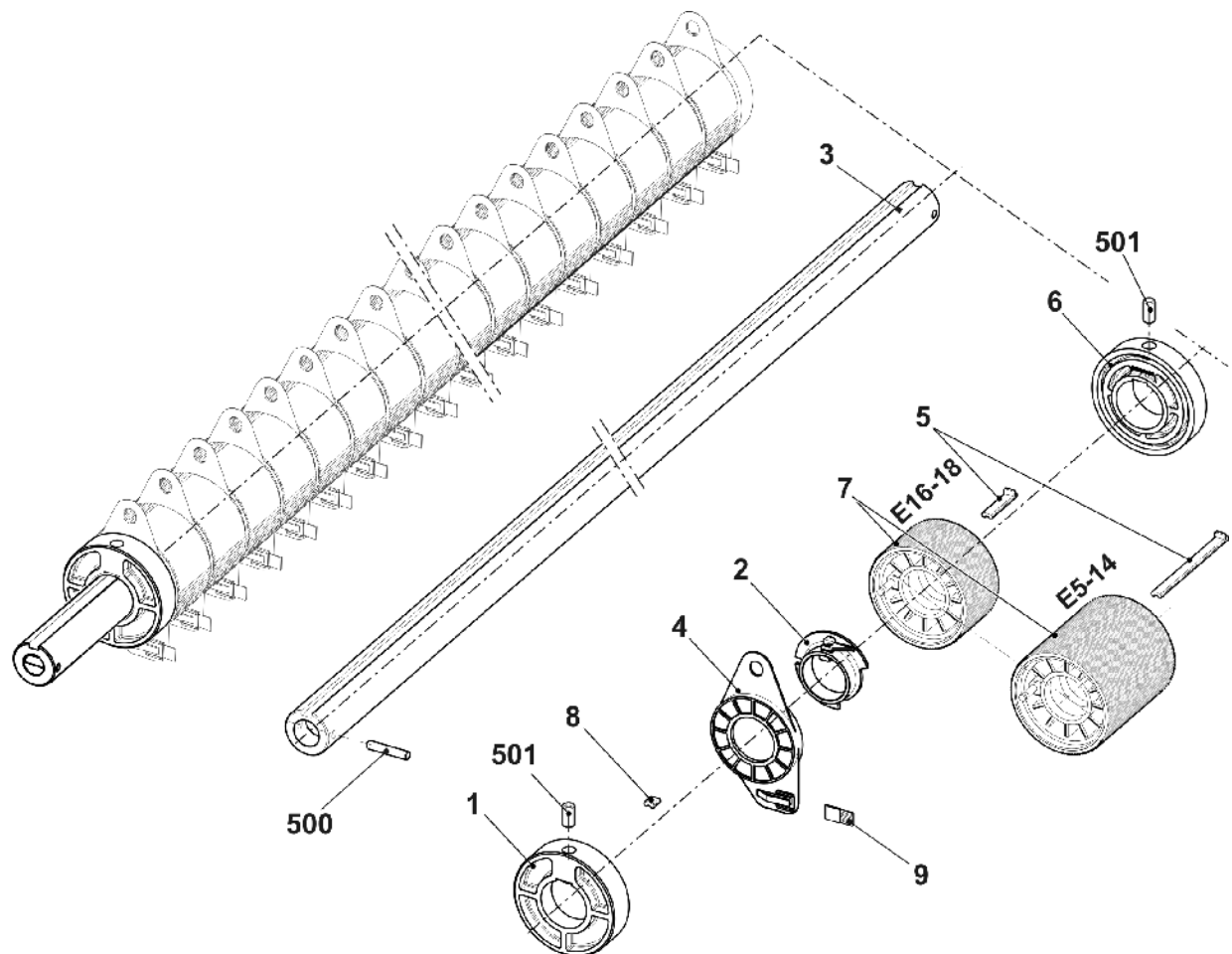
6.1.3 Main take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down in the middle		13	Take-down roller at the rear complete	
	E10 E12 E14 E6.2(12m.10) E6.2 E7.2 E14/12	265 823		E10 E12 E14 E6.2(12m.10) E6.2 E7.2 E14/12	253 853
	E16 E18 E8.2	266 252		E16 E18 E8.2	253 854
4	Stripper angle	266 995	509	Cap screw M8x25	020 142
12	Three phase servo motor	259 655	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 OKC5	267 012			



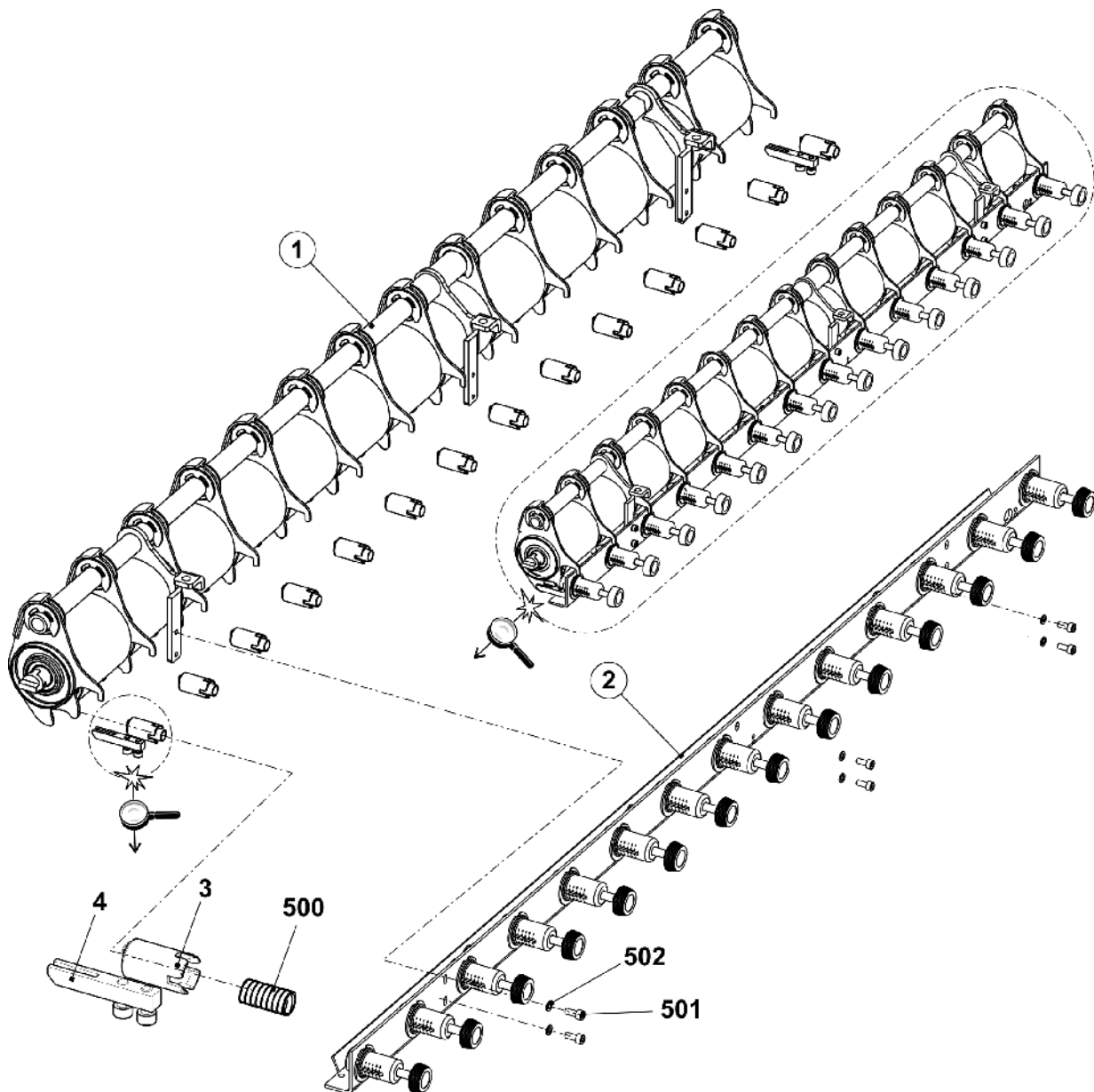
6.1.3.1 Rear take-down roller

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the rear complete		6	Ring on the right	255 831
	E10 E12 E14 E6.2(12m.10) E6.2 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			



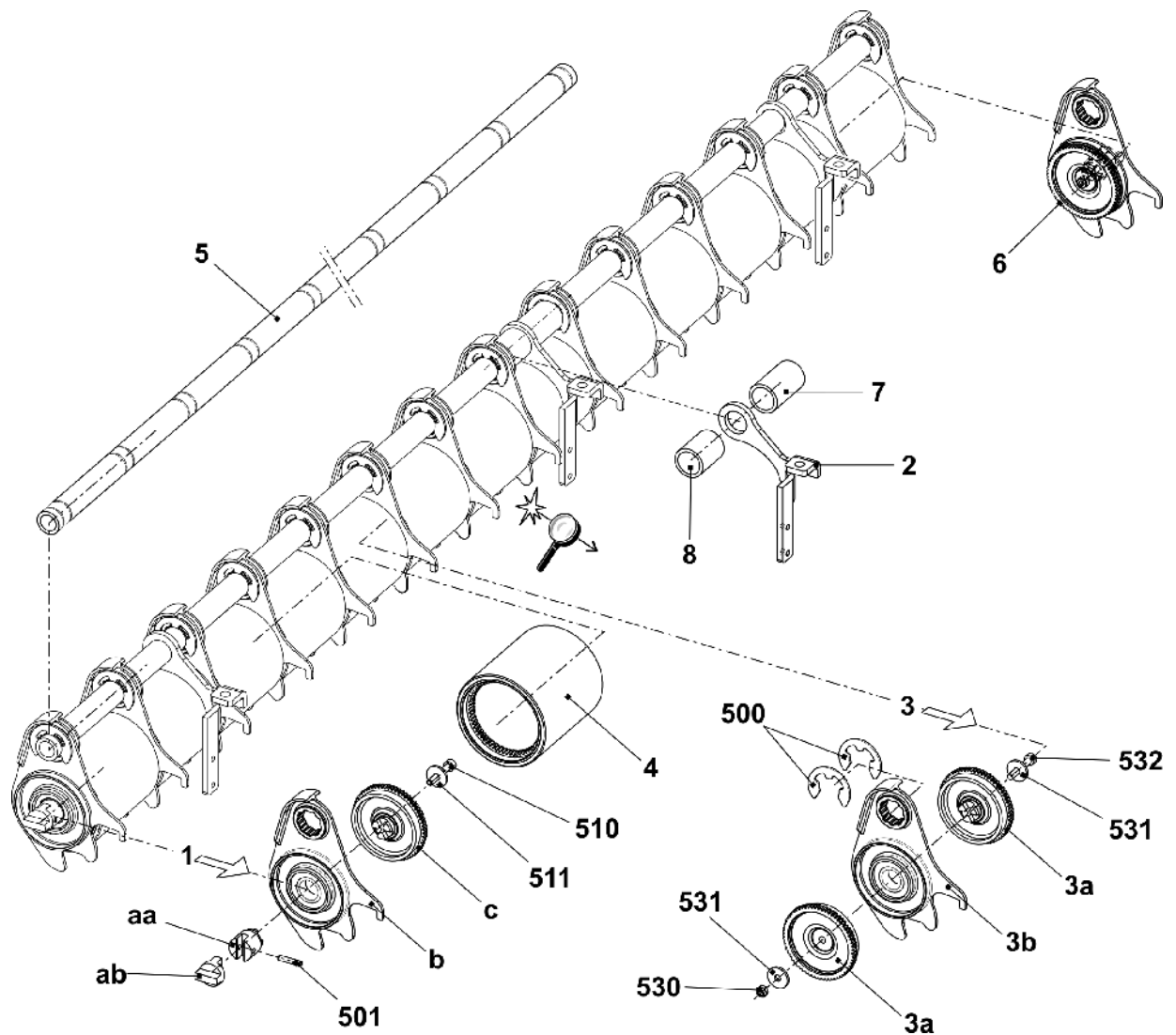
6.1.3.2 Front take-down roller

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



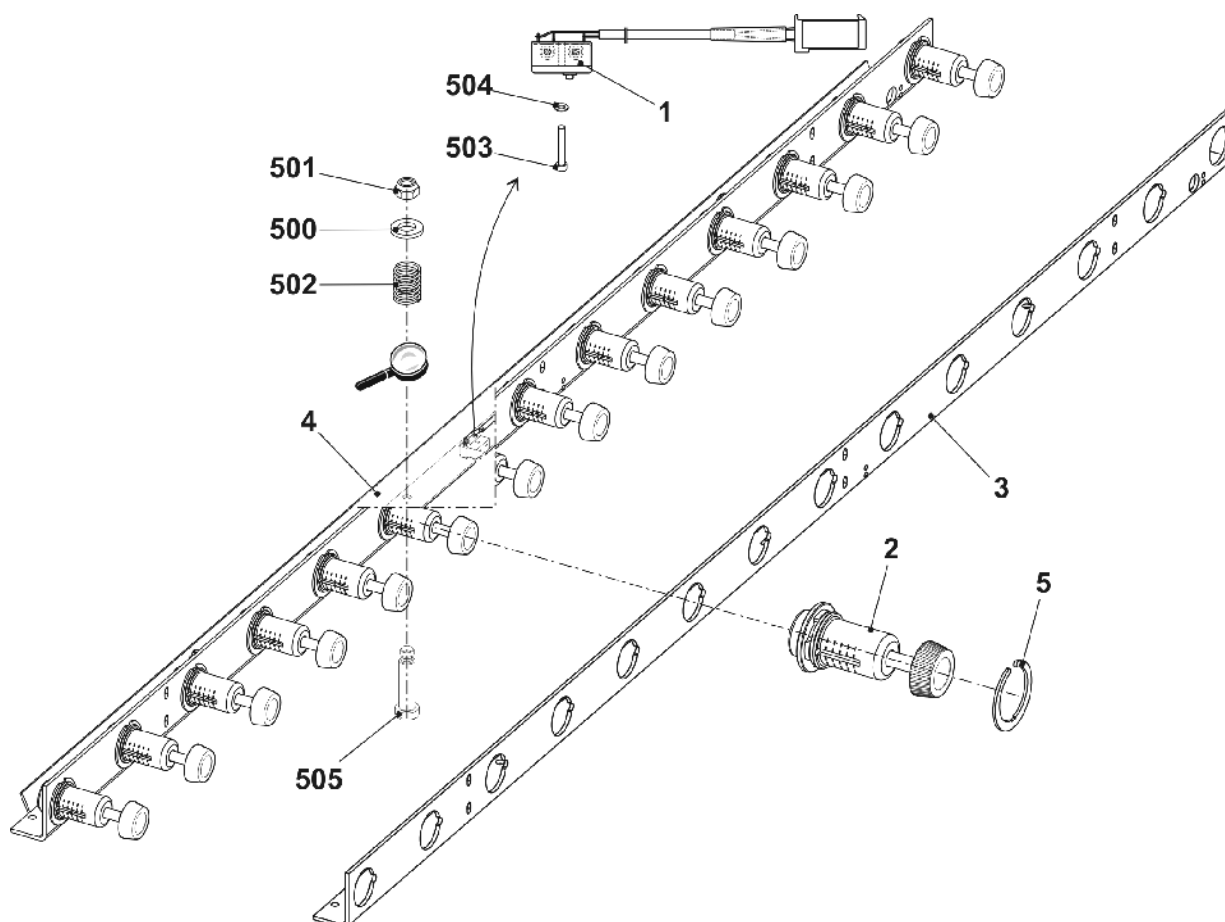
6.1.3.2.1 Front roller elements

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			

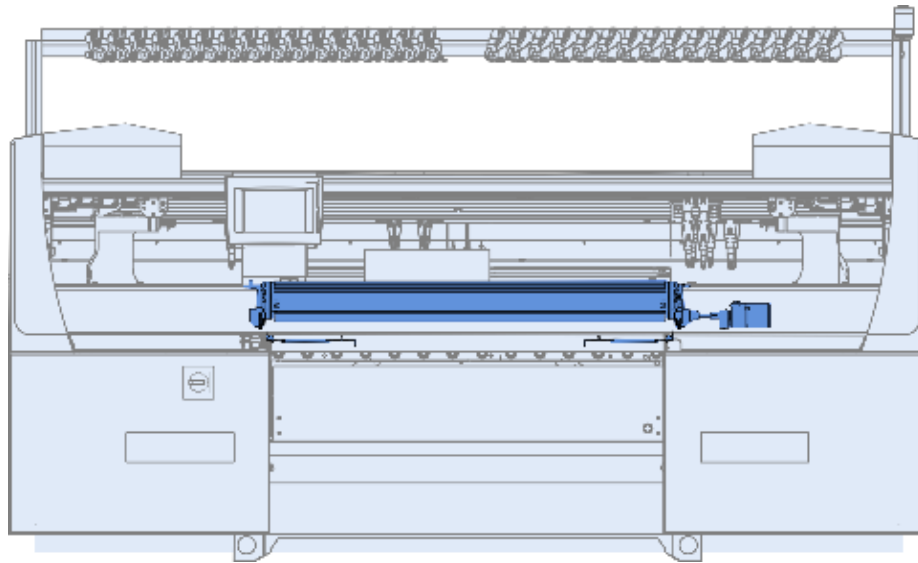


6.1.3.2.2 Pressure angle rail

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

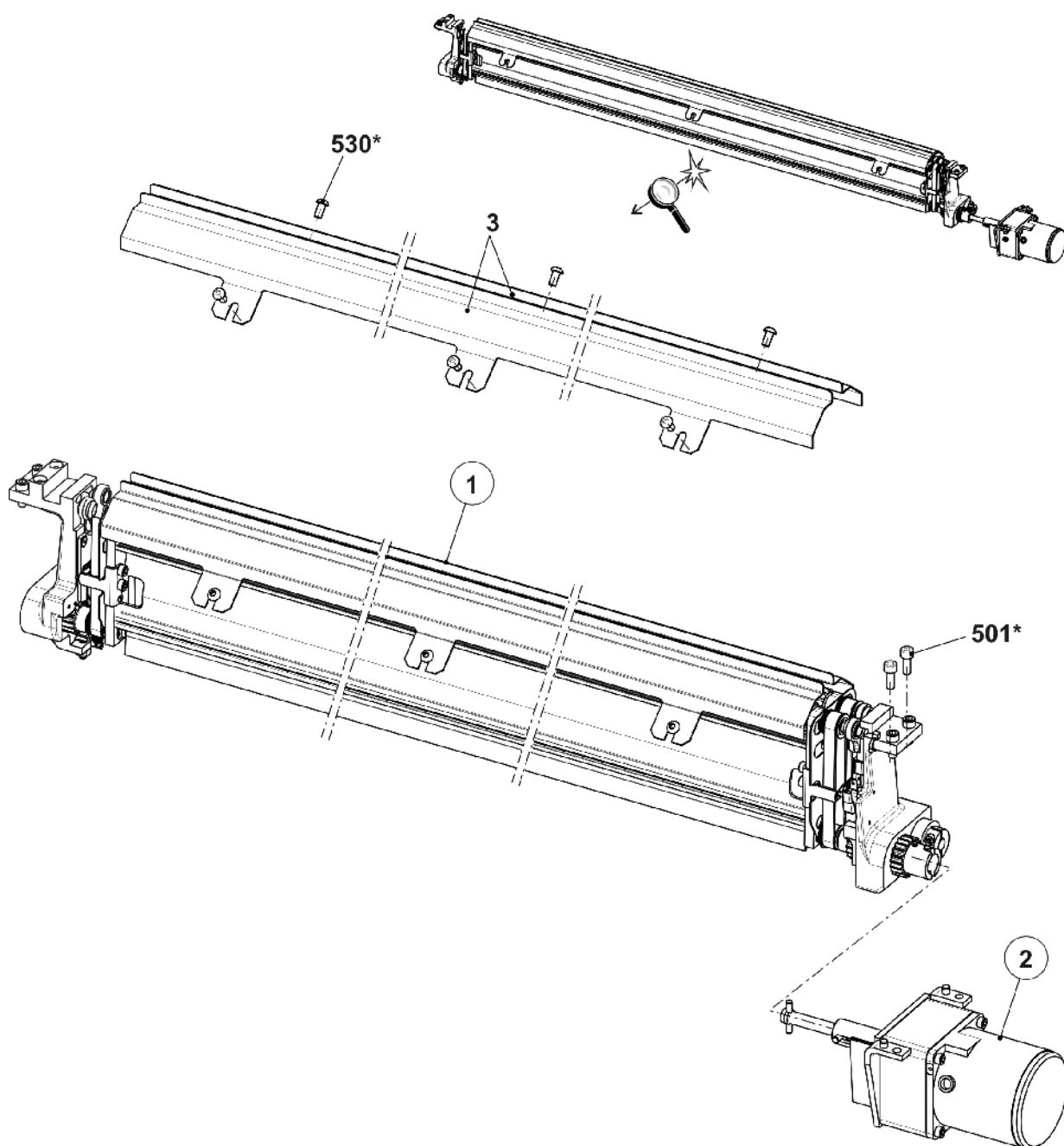


7 Auxiliary Take-down



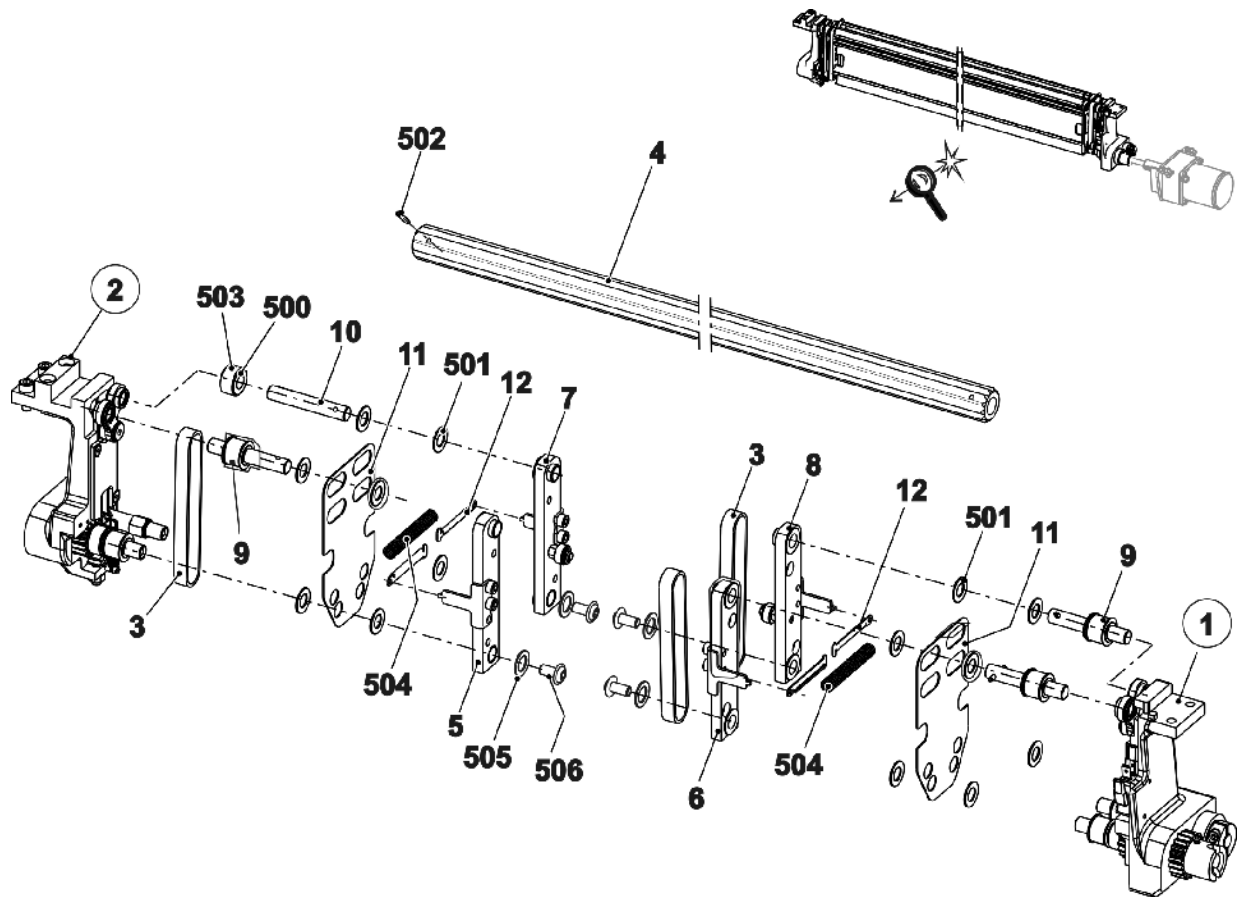
7.1 Auxiliary Take-down

Pos	Designation	ID	Pos	Designation	ID
1	Auxiliary take-down pre-assembled 50"	268 623	501*	Cap screw M6x16	020 135
2	Take-down motor complete auxiliary take-down	265 820	530*	Pan head screw M6x12	235 935
3	Sheet metal guide	225 890			



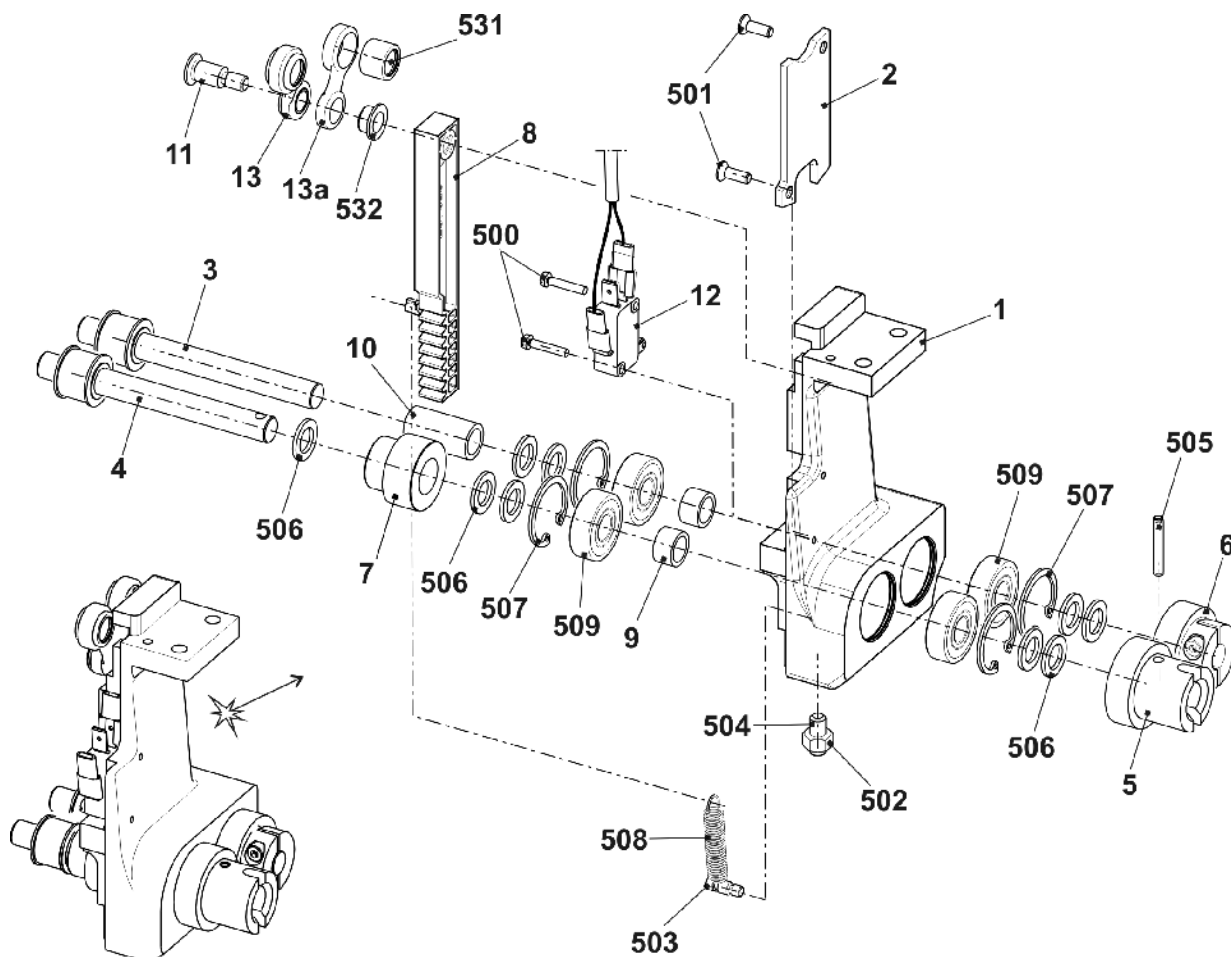
7.2 Auxiliary take-down pre-assembled

Pos	Designation	Id	Pos	Designation	Id
Σ	Auxiliary take-down pre-assembled	268 623	10	Bolts	227 914
1	Bearing on the right complete	268 631	11	Protective plate	264 958
2	Bearing on the left complete	268 632	12	Support spring	264 961
3	Toothed belt 10T5/260	208 832	500	Set collar	020 934
4	Take-down roller	224 891	501	Stop disk	023 646
5	Lever at the front on the left	264 036	502	Spring dowel sleeve 3x20	020 776
6	Lever at the front on the right	264 035	503	Setscrew M5x6	023 391
7	Lever at the rear on the left	264 034	504	Compression spring 1,0x8x59	264 966
8	Lever at the rear on the right	264 033	505	Shim ring 10x16x1	023 260
9	Timing belt pulley complete	226 708	506	Pan head screw M6x12	259 811



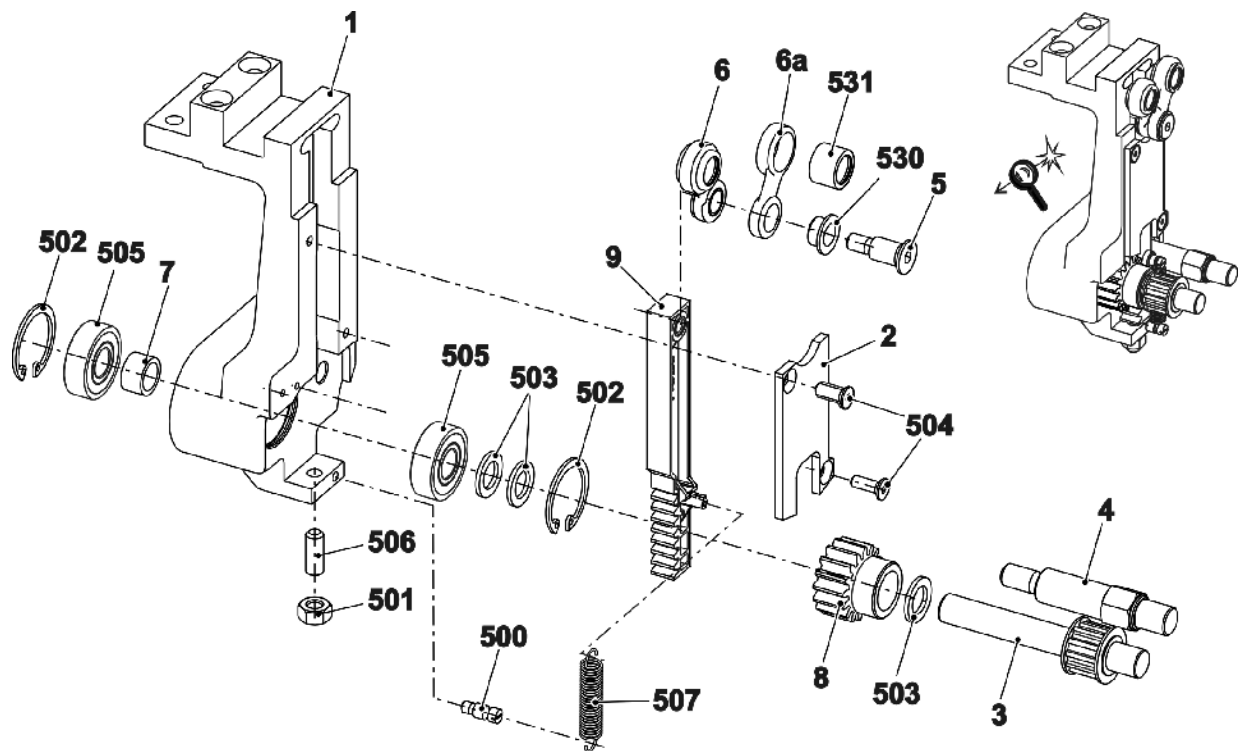
7.2.1 Right bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right complete	268 631			
1	Bearing block on the right	258 913	13a	Connecting rod	255 696
2	Cover	257 466	531	Needle roller bearing HK1010	023 664
3	Drive shaft complete	268 611	532	Slide bearing GFM-081014-06	023 358
4	Drive shaft complete	268 610	500	Cap screw M3x16	022 560
5	Gear wheel M=1,5, Z=20	213 880	501	Countersunk head screw M4x12	023 062
6	Gear wheel M=1,5, Z=20	210 504	502	Hexagon nut M6-6	020 836
7	Gear wheel on the right complete	218 524	503	Shoulder screw M4x9x14	020 602
8	Gear rack on the right	253 487	504	Setscrew M6x16-45	023 092
9	Threaded spacer	229 683	505	Spiral pin 4x24	023 544
10	Sleeve	227 257	506	Shim ring 10x16x1,5	023 261
11	Collar bolt	210 551	507	Retaining ring 26x1,2	023 359
12	Cable with switch auxiliary take-down okc	243 142	508	Tension spring 7,5x0,7x28	023 595
13	Connecting rod complete	226 710	509	Grooved ball bearing 6000-2Z	022 599



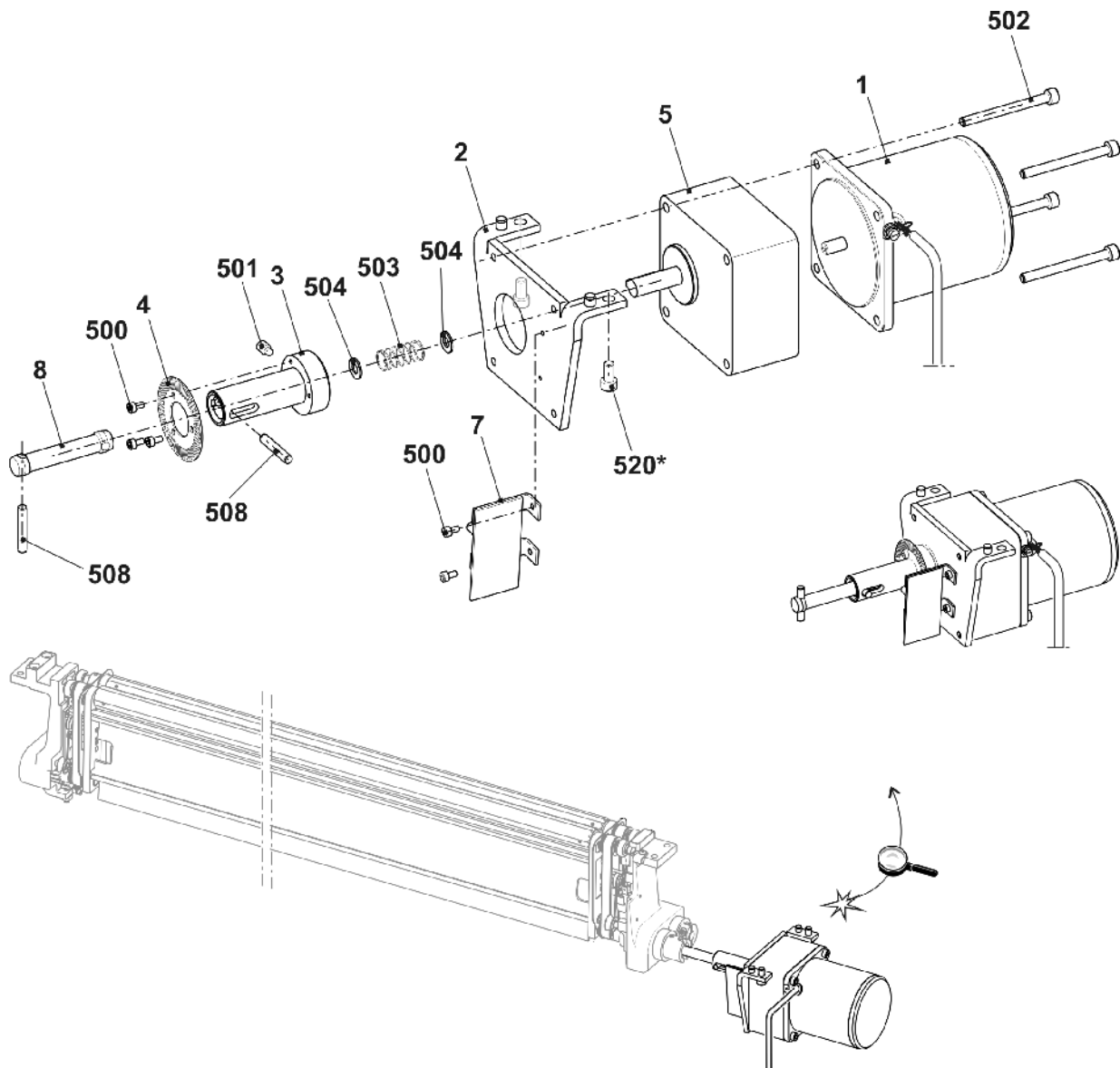
7.2.2 Left bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the left	268 632			
1	Bearing block on the left	258 914	8	Gear wheel on the left complete	218 523
2	Cover	257 466	9	Gear rack on the left	253 488
3	Drive shaft complete	268 612	500	Shoulder screw M4x9x14	020 602
4	Bolts	268 609	501	Hexagon nut M6-6	020 836
5	Collar bolt	210 551	502	Retaining ring 26x1,2	023 359
6	Connecting rod complete	226 710	503	Shim ring 10x16x1,5	023 261
6a	Connecting rod	255 696	504	Countersunk head screw M4x12	023 062
530	Slide bearing GFM-081014-06	023 358	505	Grooved ball bearing 6000-2Z	022 599
531	Needle roller bearing HK1010	023 664	506	Setscrew M6x16-45	023 092
7	Threaded spacer	229 683	507	Tension spring 7,5x0,7x28	023 595



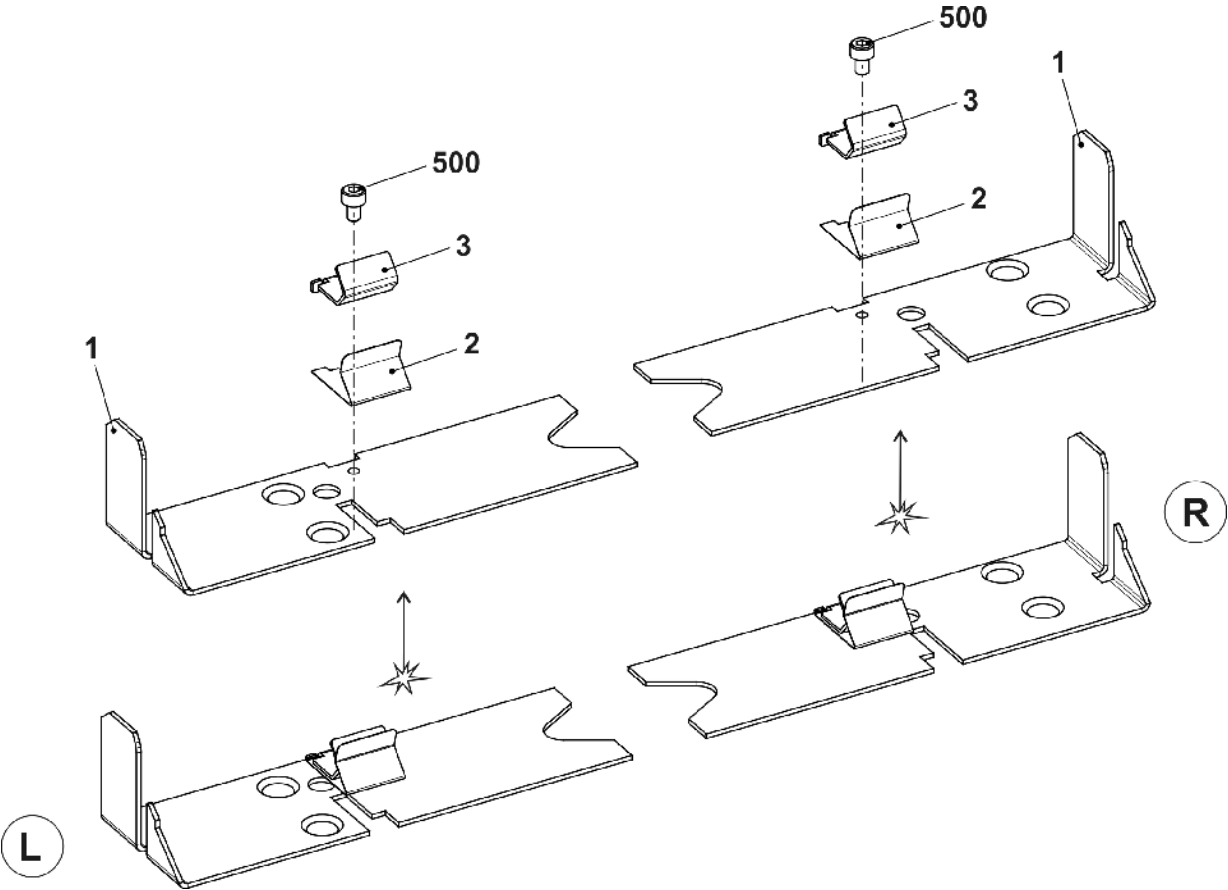
7.3 Motor

Pos	Designation	Id	Pos	Designation	Id
Σ	Motor auxiliary take-down complete	265 820			
1	Motor auxiliary take-down	266 528	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

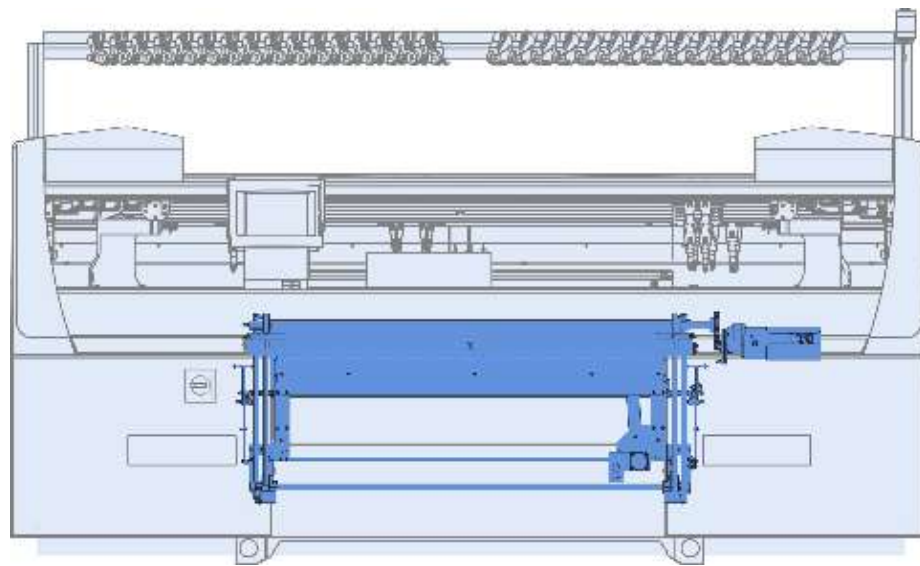


7.4 Yarn brake at clamping and cutting bed

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

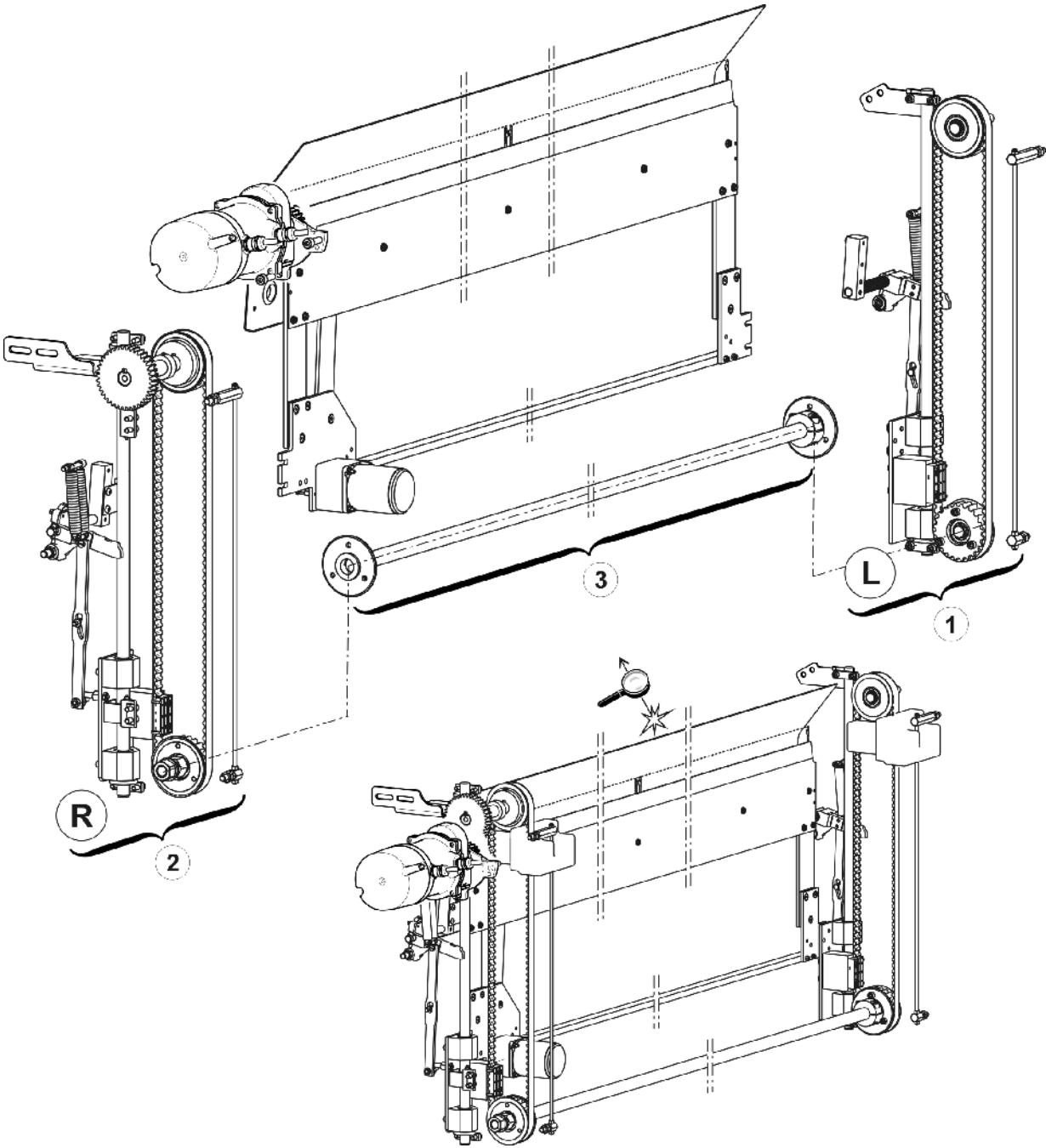


8 Comb Take-down



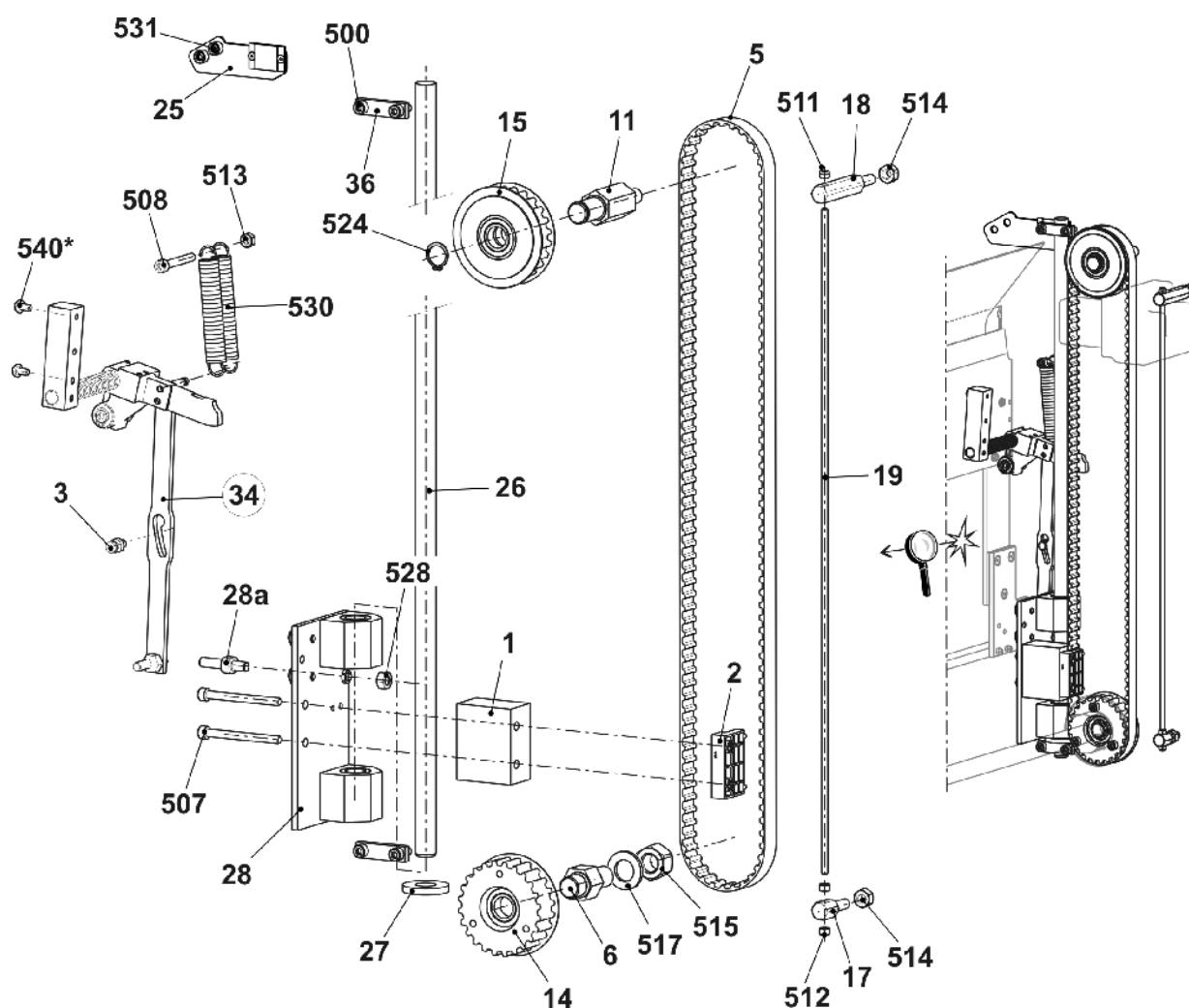
8.1 Take-down comb

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down			Comb take-down in the middle E10	267 076
1	Comb take-down on the left	256 834		Comb take-down in the middle E14 E7.2	265 825
2	Comb take-down on the right	256 835		Comb take-down in the middle E16 E8.2	267 087
3	Comb take-down in the middle E12 E6.2	267 080		Comb take-down in the middle E18	266 251



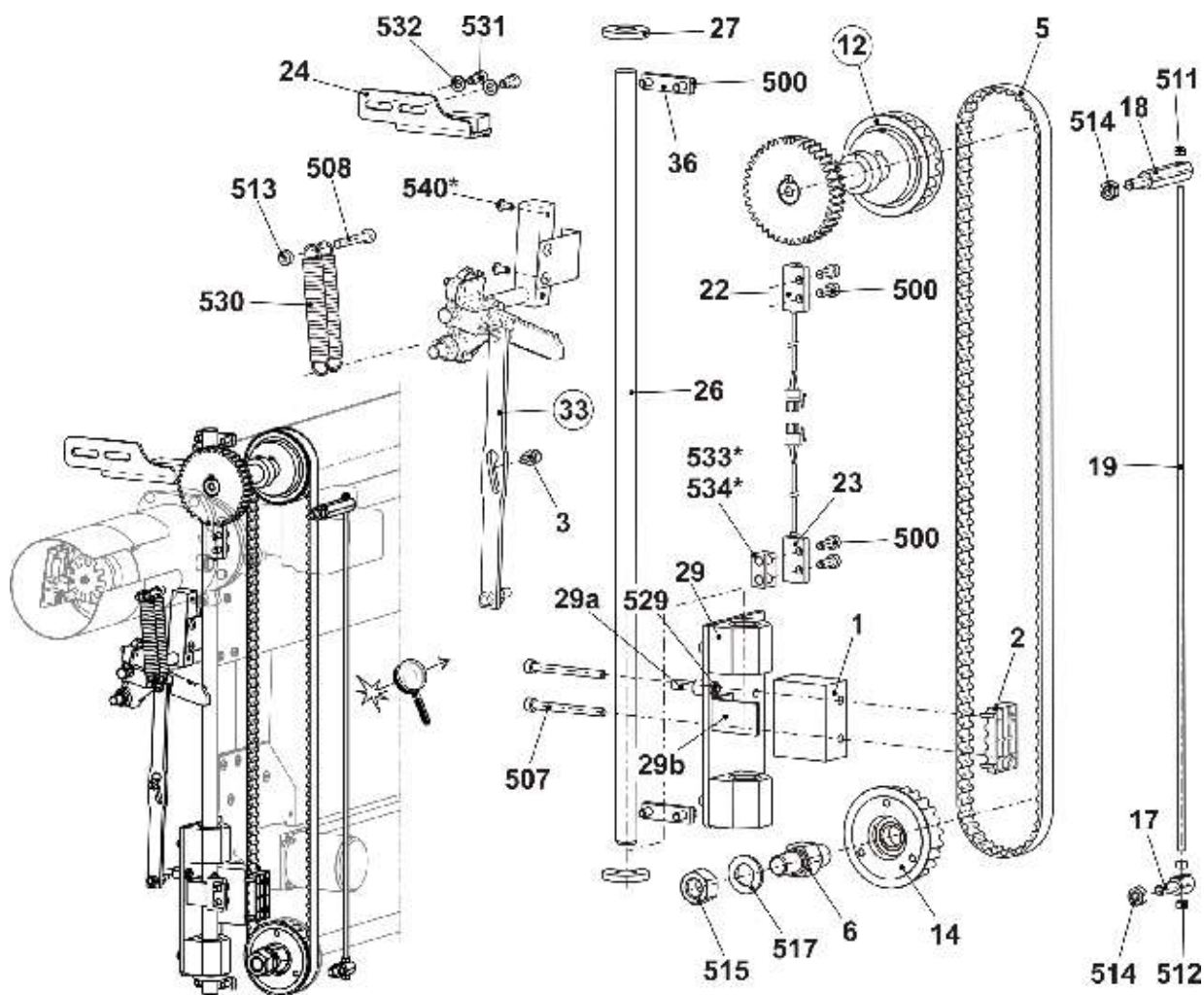
8.2 Comb take-down on the left

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



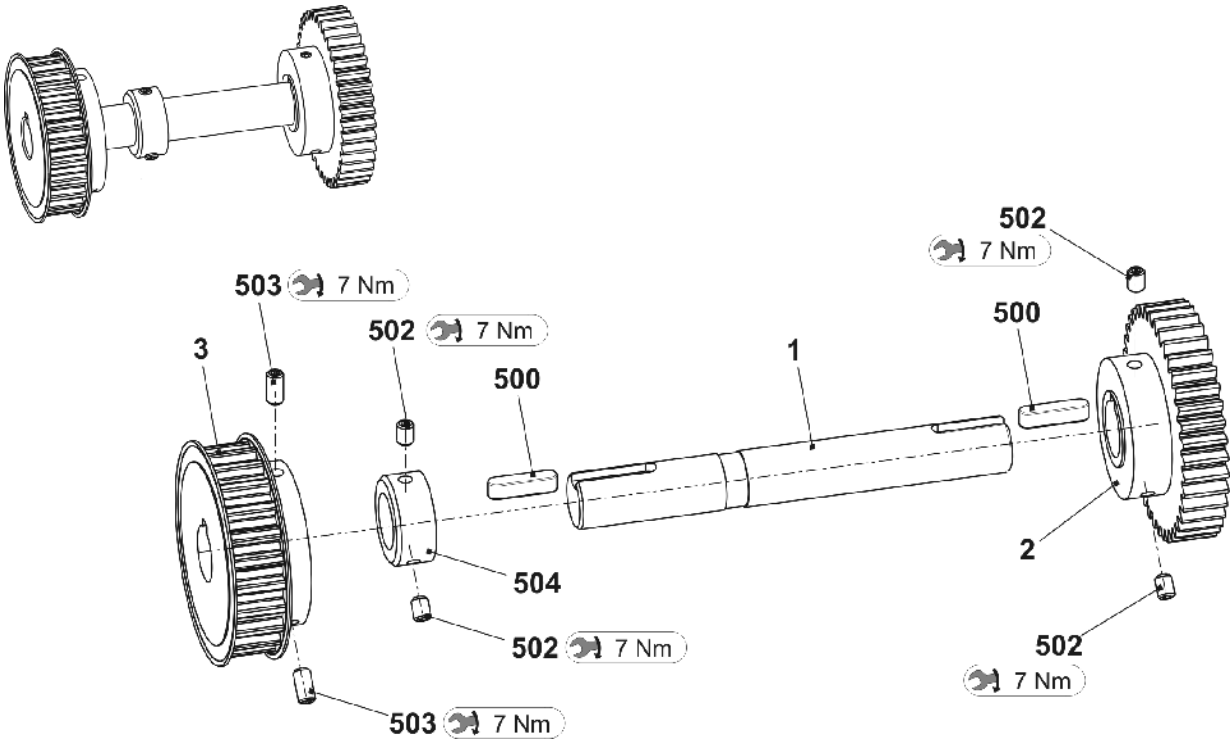
8.3 Comb take-down on the right

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

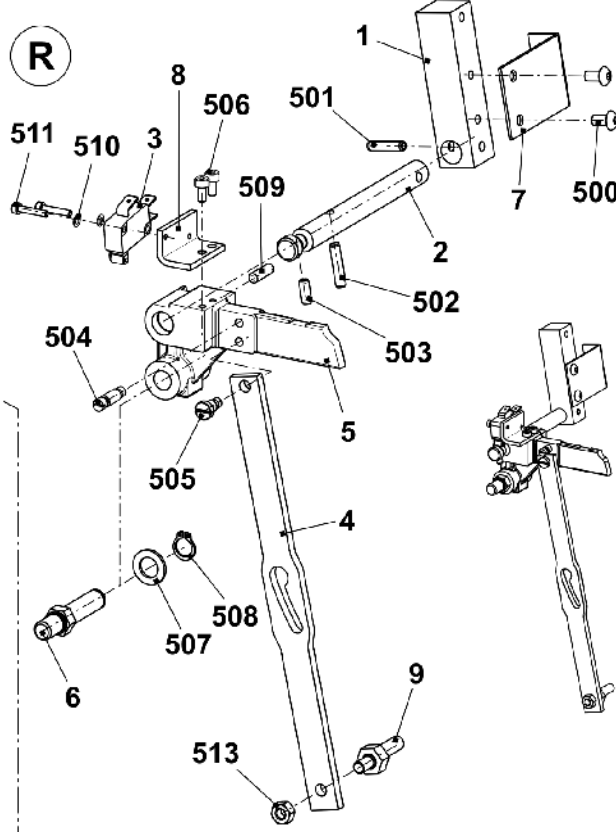
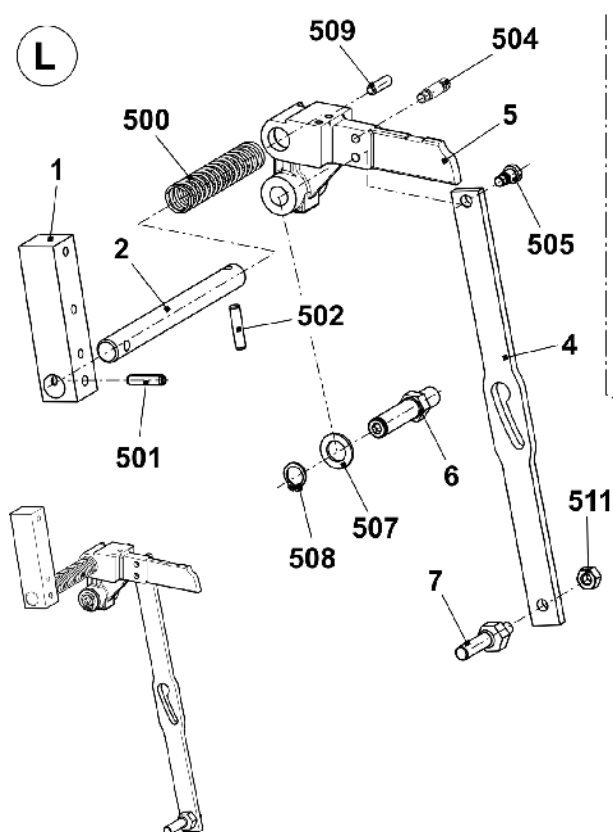
Pos	Designation	Id	Pos	Designation	Id
Σ	Drive shaft comb complete	214 583			
1	Shaft	213 969	500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744	502	Setscrew M6x8	022 684
	Always order position 502 additionally		503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394	504	Set collar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



8.3.2 Swivel lever comb take-down

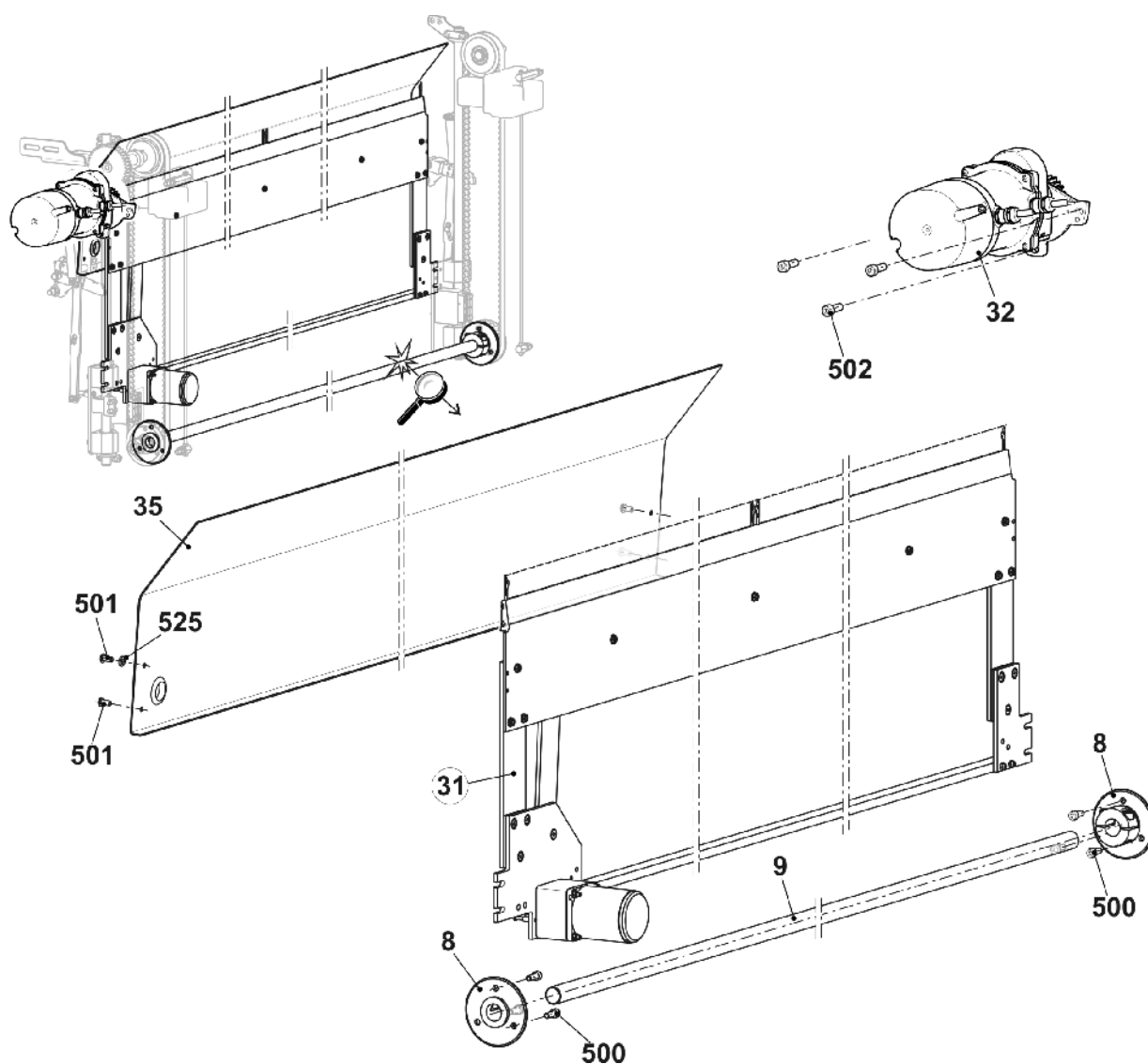
Pos	Designation	Id
Σ L	Swivel lever on the left	252 859
1	Support	252 780
2	Shaft	223 994
4	Plunger	255 650
5	Swivel lever	239 248
6	Bolts	214 053
7	Eccentric bolt	255 651
500	Compression spring 1,4x13,6x93	023 572
501	Spring dowel sleeve Iso8752-5x20	020 794
502	Dowel pin5x22	023 716
504	Shoulder screwM5x29x35	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



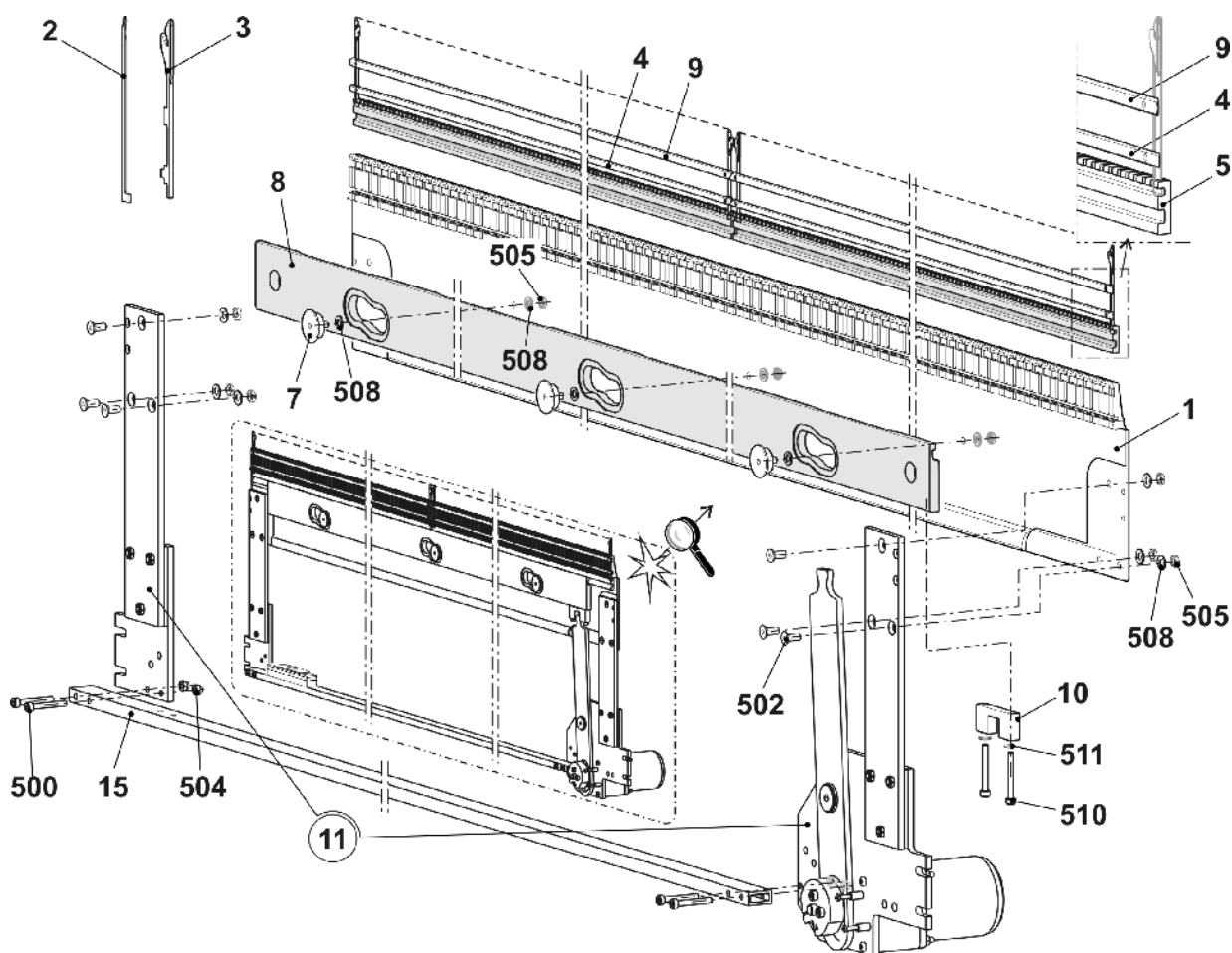
8.4 Comb take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down in the middle		31	Comb unit	
	E10	267 076		E10	267 077
	E12 E6.2 E6.2(12m.10)	267 080		E12 E6.2 E6.2(12m.10)	267 081
	E14 E7.2 E14/12	265 825		E14 E7.2 E14/12	265 826
	E16 E8.2	267 087		E16 E8.2	267 088
	E18	266 251		E18	266 250
8	Flange	207 695	32	Three phase servo motor of take-down	259 655
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



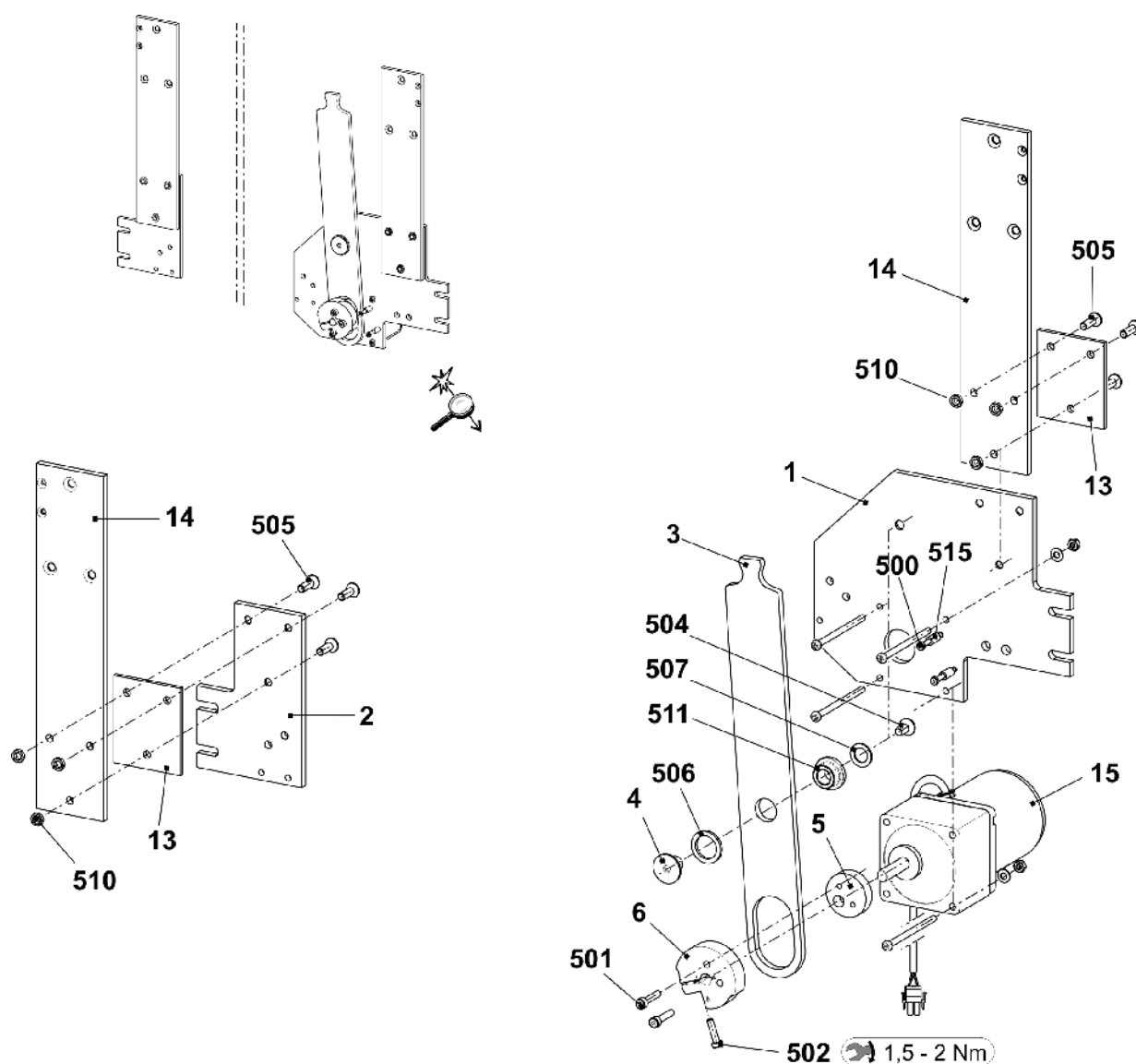
8.4.1 Comb unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb unit		5	Hook slider	
	E10	267 077		E10	220 996
	E12 E6.2 E6.2(12m.10)	267 081		E12 E16 E6.2 8.2 E6.2(12m.10)	220 994
	E14 E7.2 E14/12	265 826		E14 E7.2 E14/12	220 993
	E16 E8.2	271 506		E18	220 997
	E18	271 507	7	Collar bolt complete	211 036
1	Hook bed		8	Cross slider	213 429
	E10	267 319	9	Cover rail	222 866
	E12 E6.2 E6.2(12m.10)	267 320	10	Plunger	205 678
	E14 E7.2 E14/12	267 321	11	Switching lever complete	265 827
	E16 E8.2	267 322	15	Stabilizer	215 253
	E18	267 323	500	Cap screw M4x30	023 290
2	Closer		502	Countersunk head screw M5x12	023 340
	E10 E12 E14 E6.2 E7.2 E6.2(12m.10) E14/12	230 106	504	Hexagon nut M4-8	023 046
	E16 E18 E8.2	268 833	505	Hexagon nut M5-04	020 854
3	Body		508	Washer 5	020 871
	E10 E12 E14 E6.2 E7.2 E6.2(12m.10) E14/12	230 094	510	Cap screw M4x35	023 550
	E16 E18 E8.2	268 832	511	Circlip	022 774
4	Cover rail	213 428			

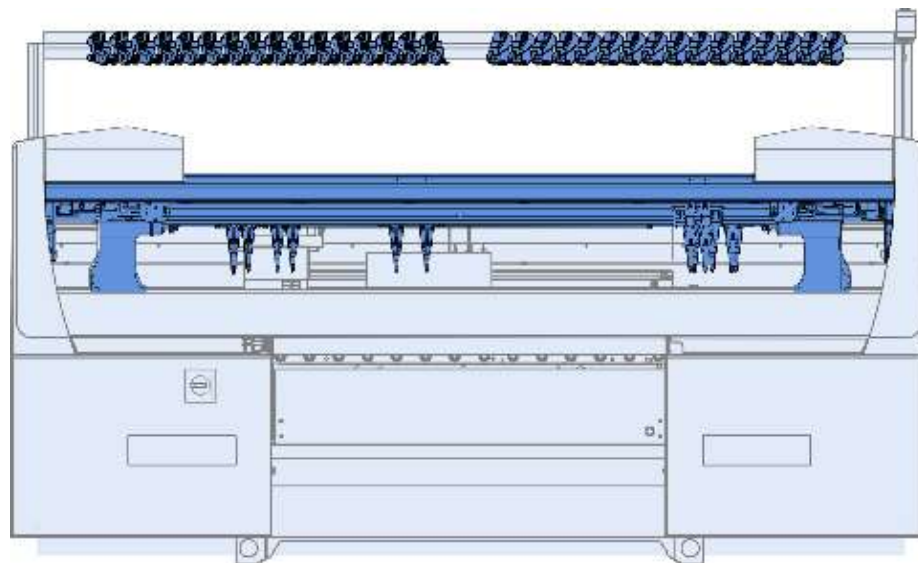


8.4.2 Switching lever comb take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Switching lever complete	265 827	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 gear	267 420	515	Threaded spacer	210 488

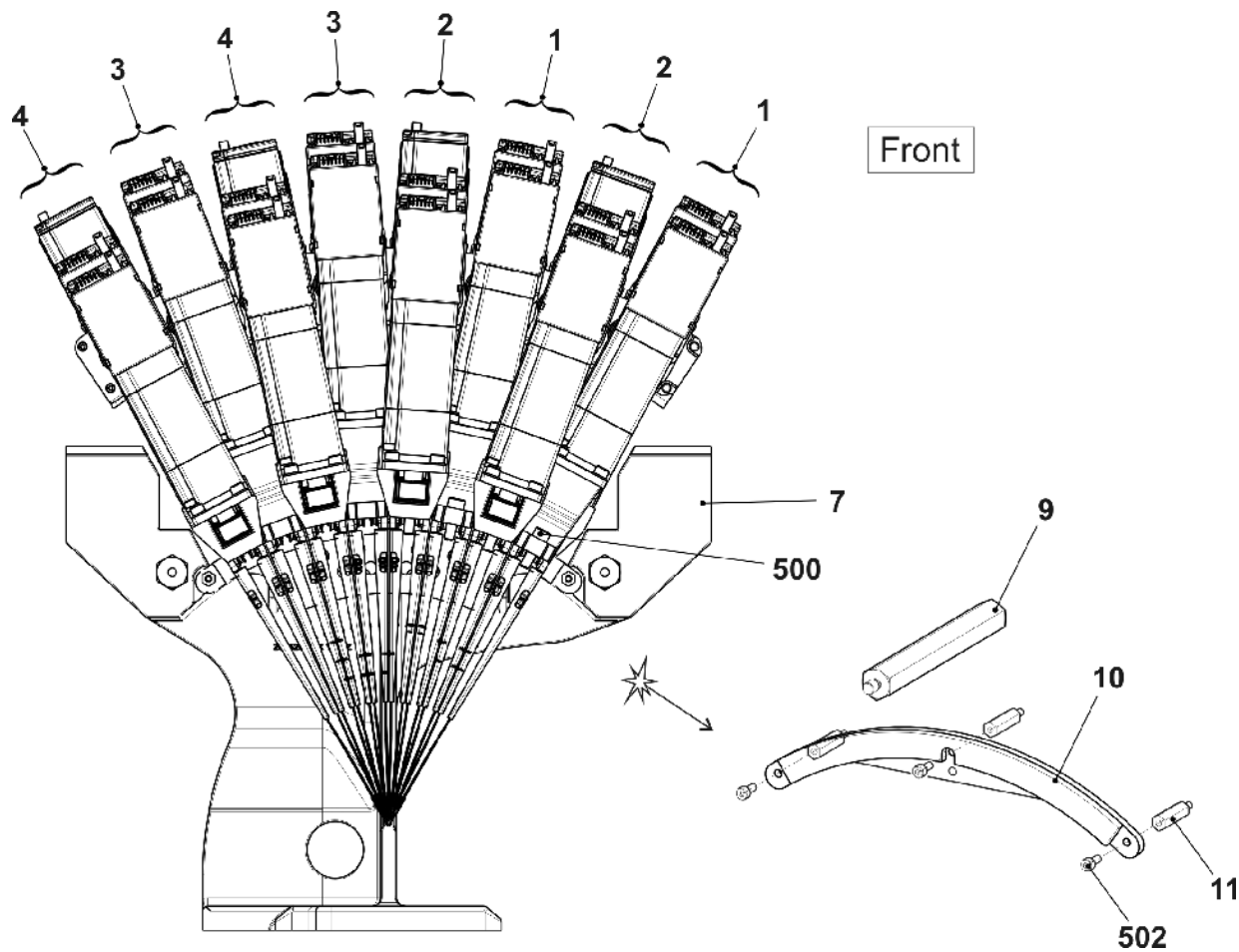


9 Yarn delivery device



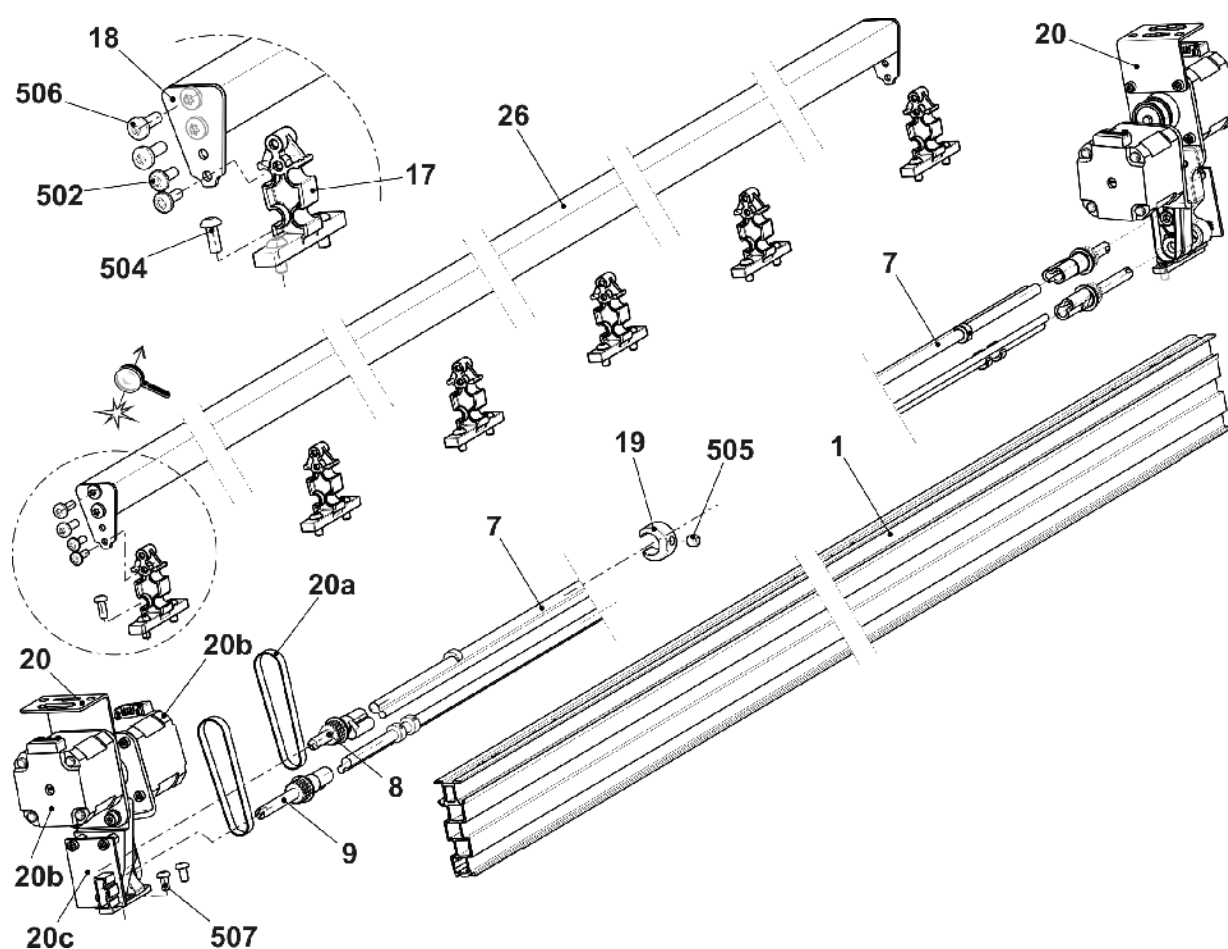
9.1 Drive unit yarn carrier complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive unit yarn carrier complete		3	YC-Rail 3, equipped (E16-18)	264 212
	E10-14 (E12m.10 E14/12 E7.2 E8.2)	257 994		YC-Rail 3, equipped (E6.2)	267 193
	E16-18	263 803	4	YC-Rail 4, equipped (E10-14)	261 926
	E6.2	267 190		YC-Rail 4, equipped (E16-18)	264 213
1	YC-Rail 1, equipped (E10-14)	257 997		YC-Rail 4, equipped (E6.2)	267 194
	YC-Rail 1, equipped (E16-18)	264 210	7	YC support	269 687
	YC-Rail 1, equipped (E6.2)	267 191	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
	YC-Rail 2, equipped (E6.2)	267 192	500	Cap screw M6x20	020 136
3	YC-Rail 3, equipped (E10-14)	261 925	502	Cap screw M4x10	023 136



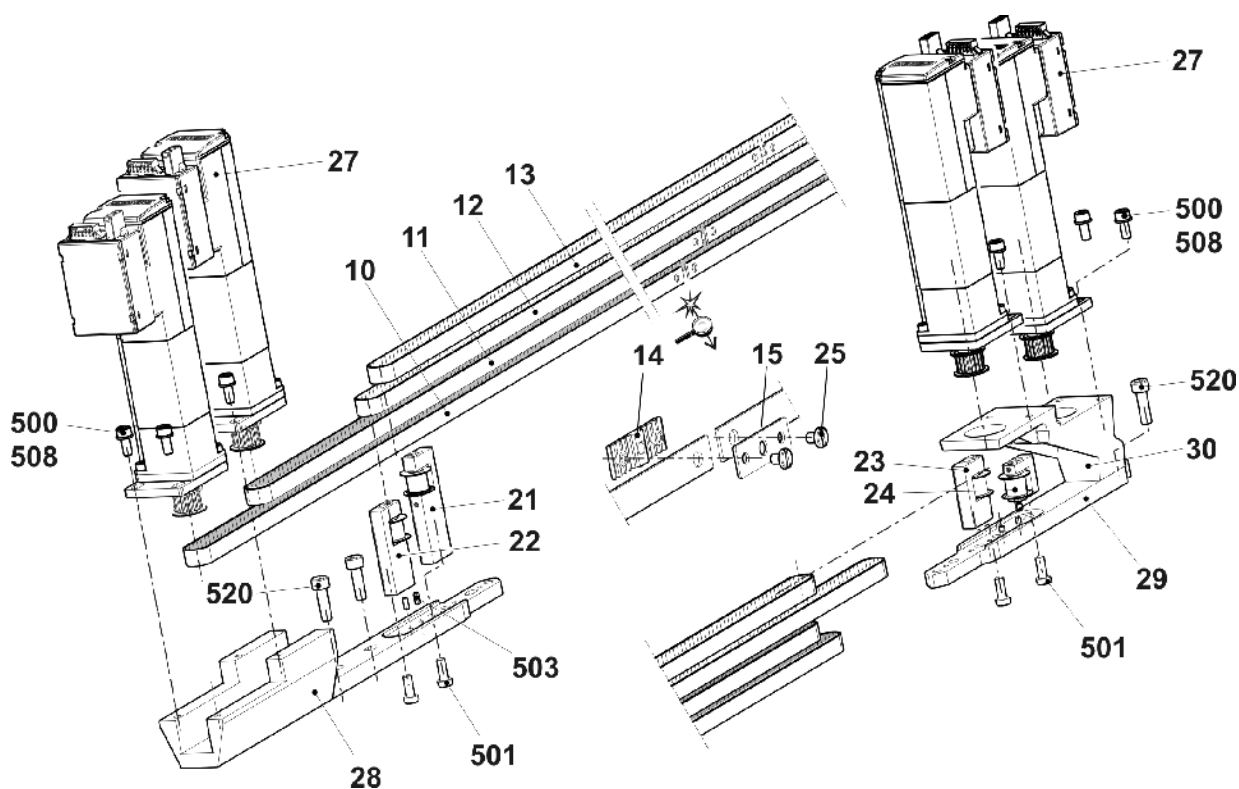
9.2 YC rail, drive of operating shaft

Pos	Designation	ID	Pos	Designation	ID
1	Yarn carrier rail	266 605	20	Bearing block	265 253
7	Operating shaft	257 754	20a	Toothed belt	258 003
8	Short coupling complete	257 839	20b	Step motor	263 404
9	Long coupling complete	257 838	20c	Card	257 358
17	Support	257 813	26	Yarn guide rod	264 209
18	Support sheet	264 226	502	Screw 35x10	251 729
19	Fixing ring	257 811	504	Pan head screw M4x10	023 450
			505	Setscrew M3x3	263 507
			506	Screw M4x12	023 367
			507	Pan head screw M4x8	254 971



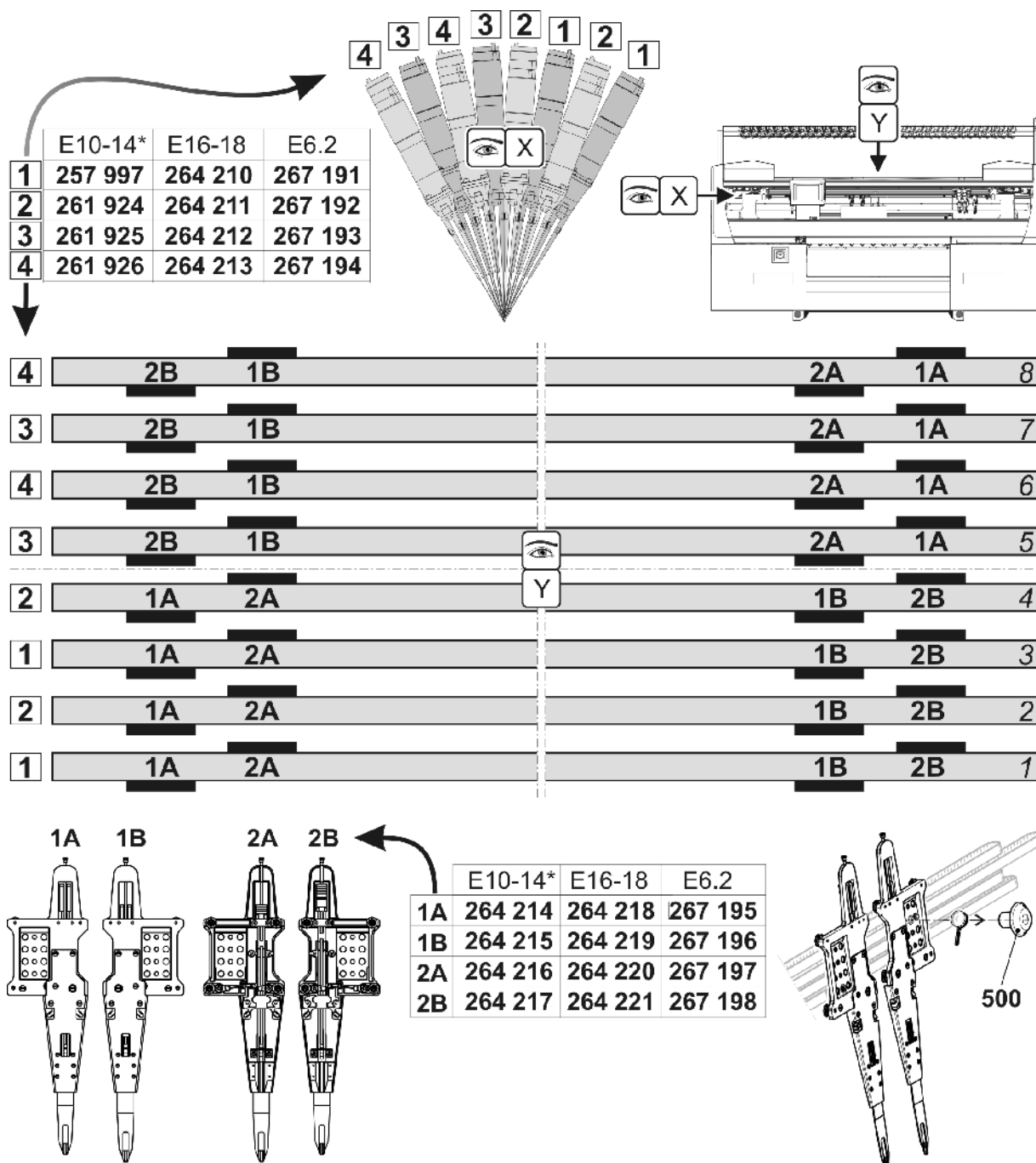
9.3 YC rail, drive

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

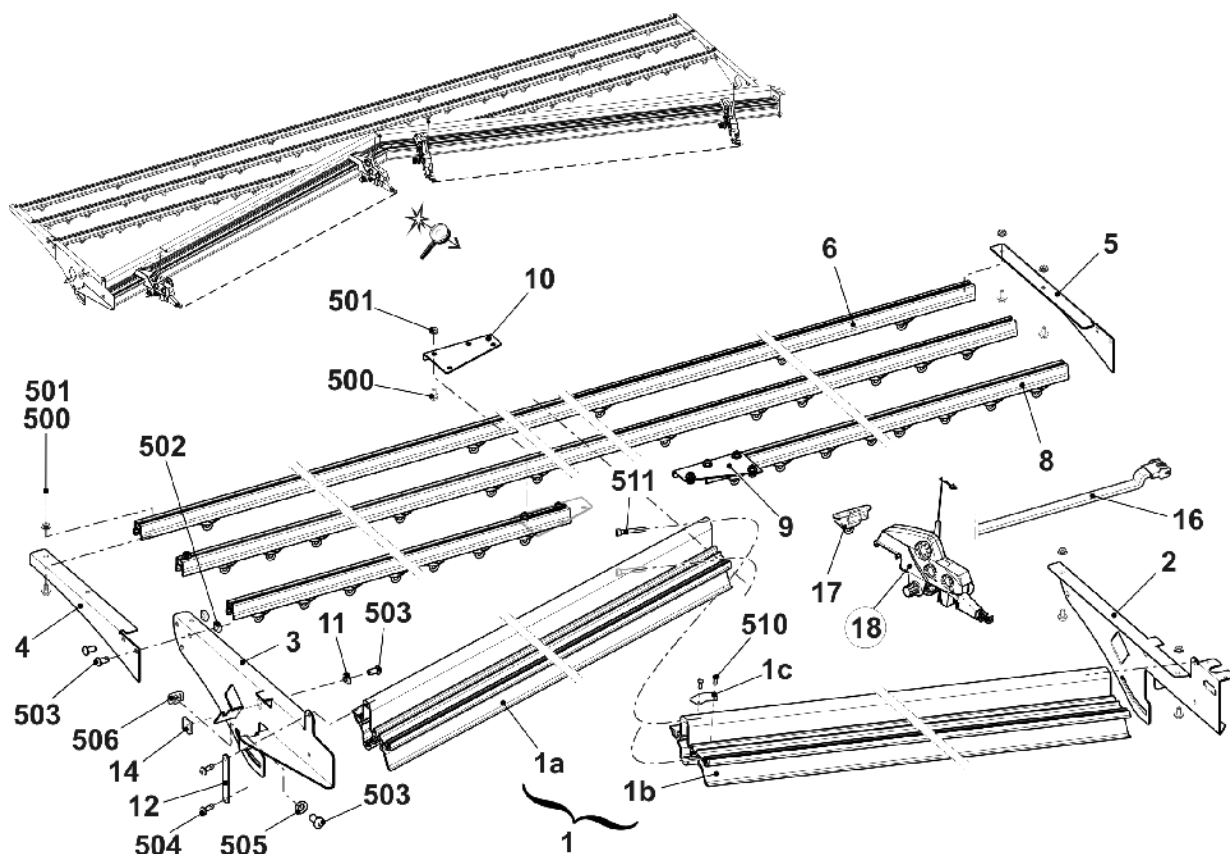
Pos	Designation	Pos	Designation	ID
1, 2, 3, 4	Yarn carrier rail complete	500	Pan head screw M4x5	262 043
1A, 2A, 1B, 2B	Carriage of yarn carrier			



*) E12m.10 | E14/12 | E7.2 | E8.2

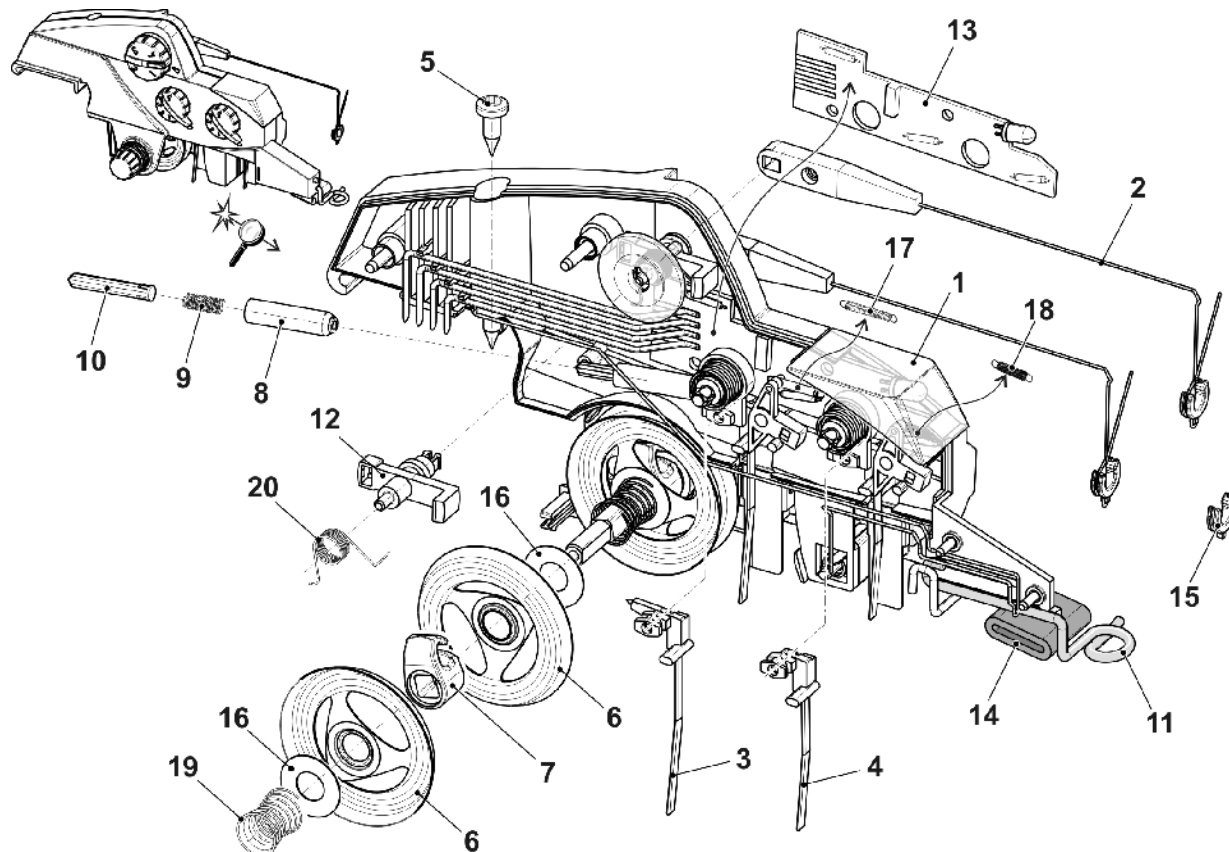
9.5 Yarn guide system with 32 FKE ADF

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide system 32 FKE 50" ADF		10	Support on the left	265 350
	E10-14	265 347	11	Sleeve	263 525
	E16-18	271 268	12	Wedge	265 353
	E6.2	267 211	14	Slot nut	228 851
1	Profile complete	266 219	16	Connection cable FKE ADF	264 206
	1a Support ADF	266 216	17	Yarn guide bracket complete	241 581
	1b Support ADF	266 218	18	Yarn control unit	
	1c Cover plate	266 217		E10-14	263 685
	510 Screw 4x12	253 153		E16-18	270 468
	511 Screw M6x40	266 246		E6.2	267 105
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

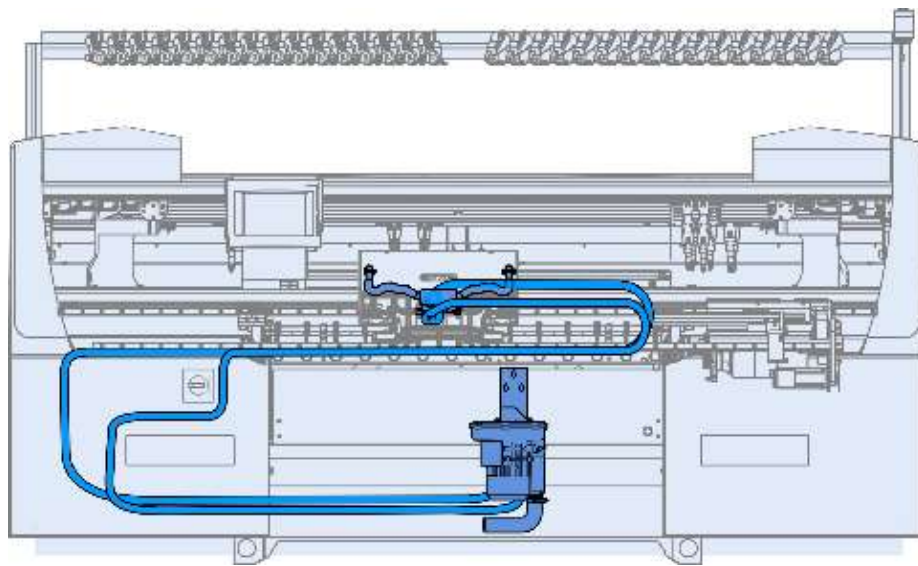


9.5.1 Yarn control unit ADF

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn control unit ADF				
	E10-14	263 685	11	Wire with eyelet	265 533
	E16-18	270 468	12	Rocker	265 532
	E6.2	267 105	13	Jack	265 527
1	Lamp cap	265 525	14	Damper	265 528
2	Tension arm		15	Ceramic eyelet	
	E10-14	265 526		E10-14, E16-18	217 327
	E16-18	270 994		E6.2	230 741
	E6.2	270 992	16	Disk	216 372
3	Knot detector for large knots	251 168	17	Tension spring	253 038
4	Knot detector for mall knots	251 169	18	Tension spring	265 531
5	Screw	251 170	19	Compression spring of brake disk	253 055
6	Yarn brake disc	216 365	20	Leg spring	
7	Yarn holder for yarn brake	244 407		E10-14	265 529
8	Sleeve	253 034		E16-18	270 995
9	Compression spring	253 035		E6.2	270 993
10	Pencil	253 036			

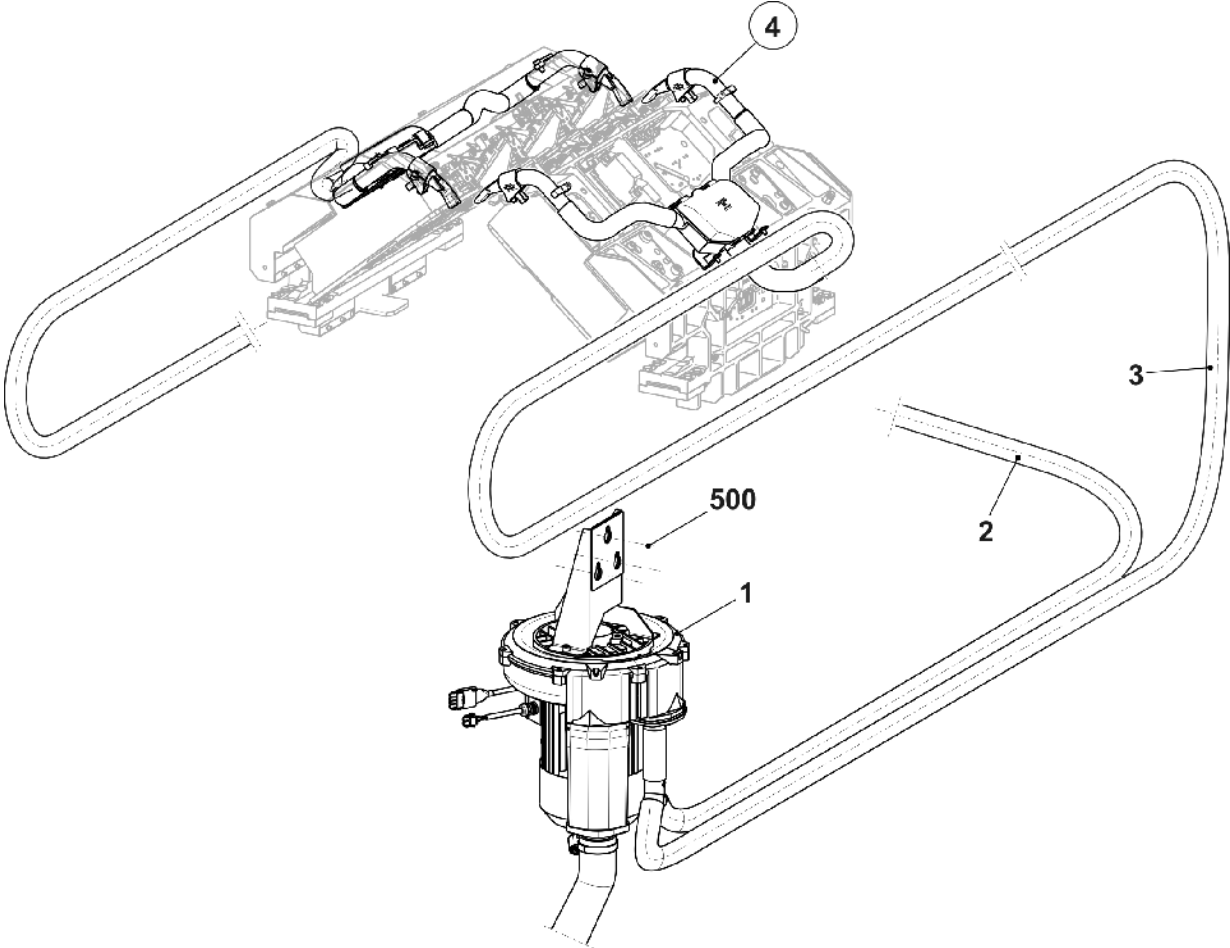


10 Fluff absorption



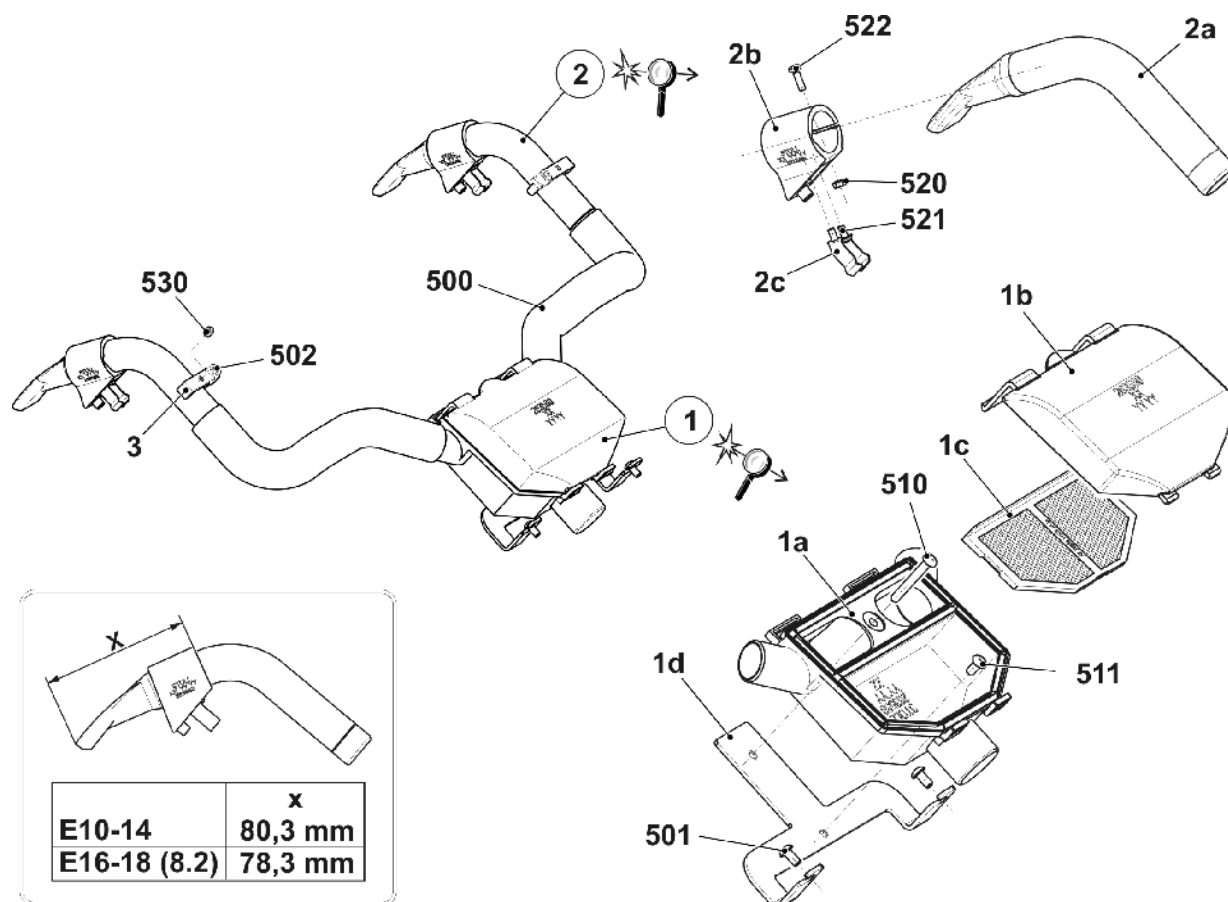
10.1 Fluff absorption

Pos	Designation	ID	Pos	Designation	ID
Σ	Fluff absorption				
1	Suction fan complete	268 290	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

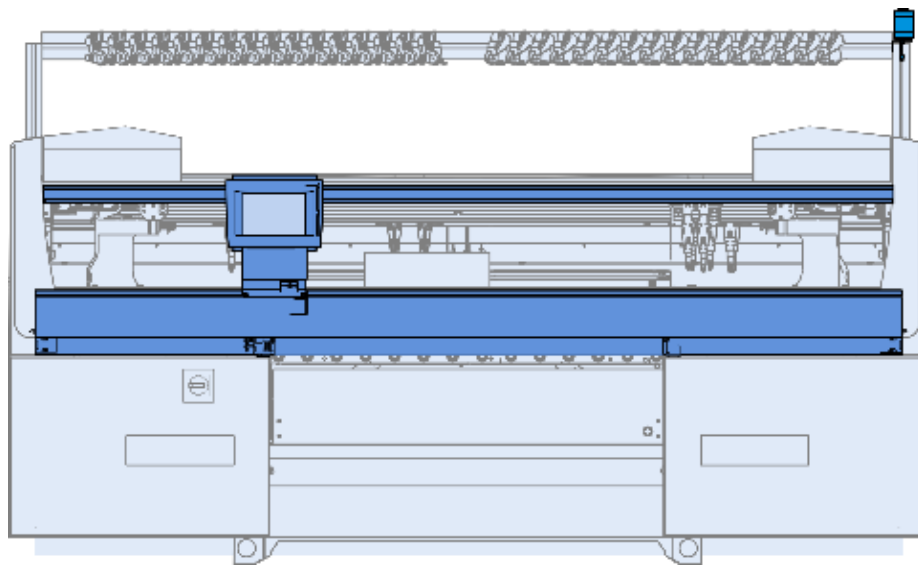


10.2 Fluff absorption, carriage parts

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

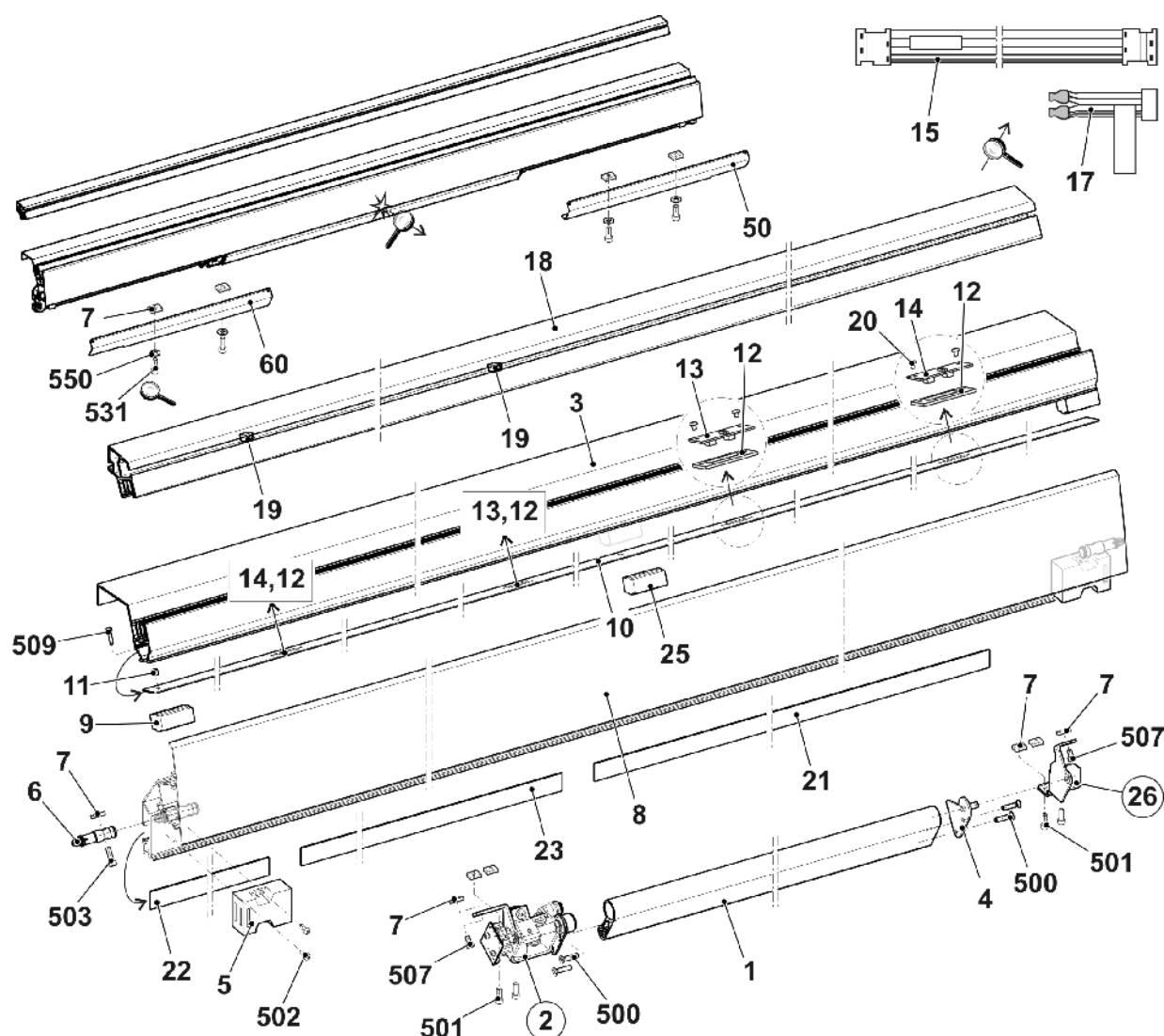


11 Operation and control



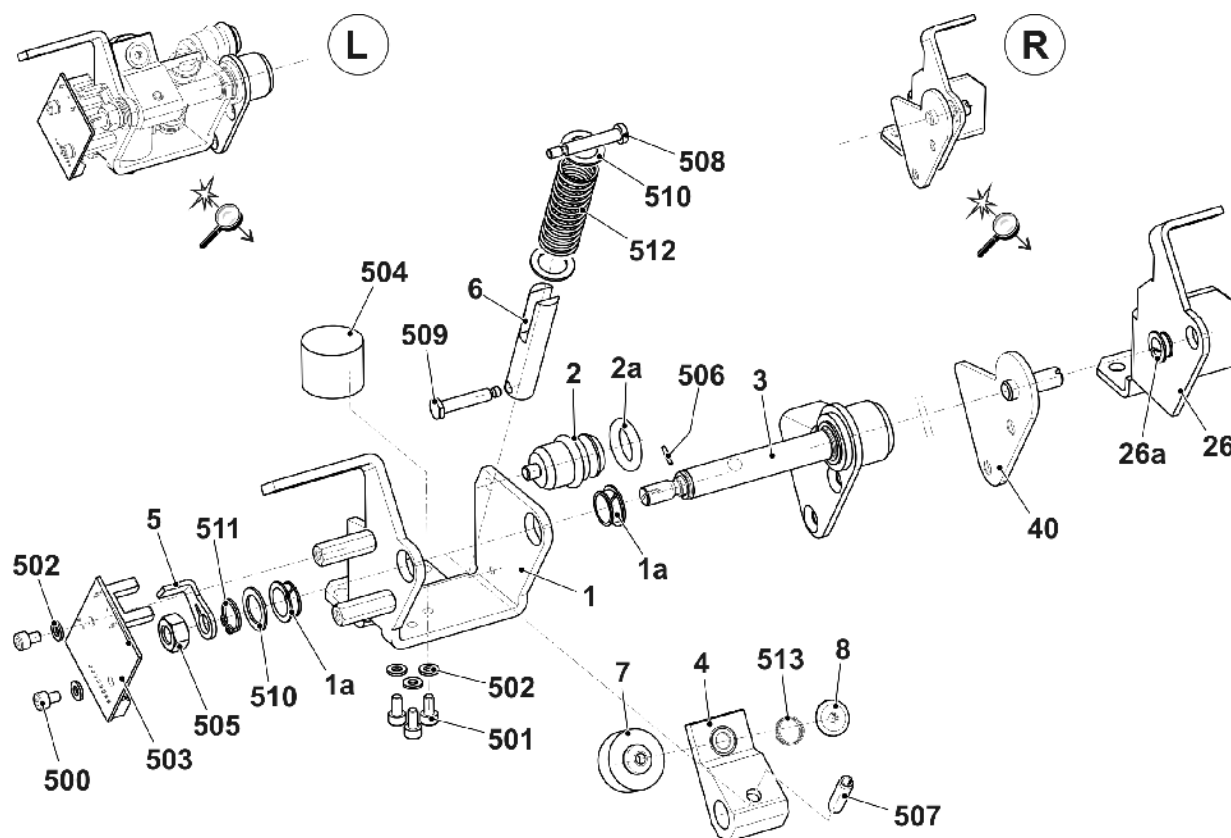
11.1 Starting device

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



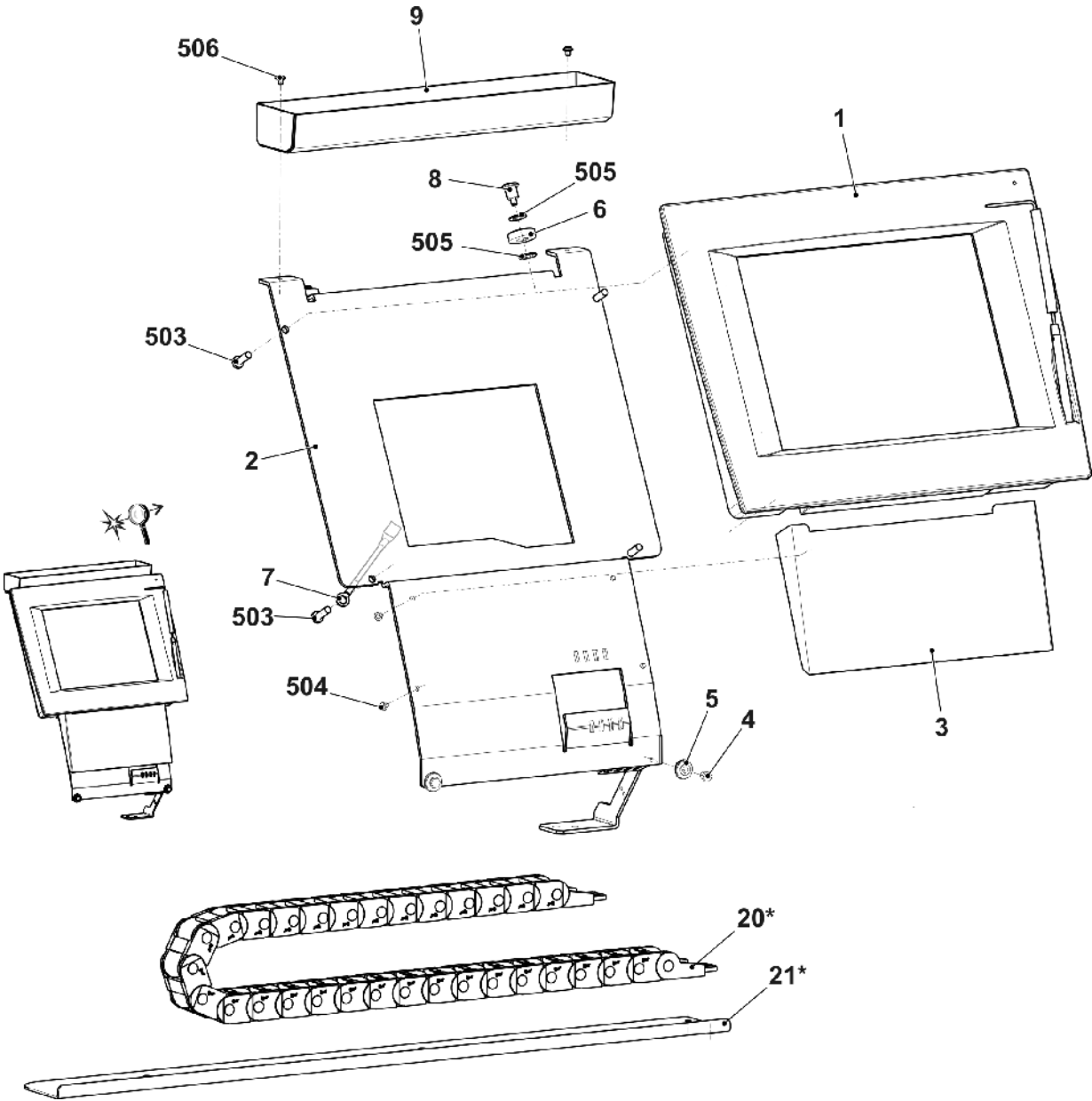
11.1.1 Bearing of the engaging rod

Pos	Designation	ID	Pos	Designation	ID
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	Anchor	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



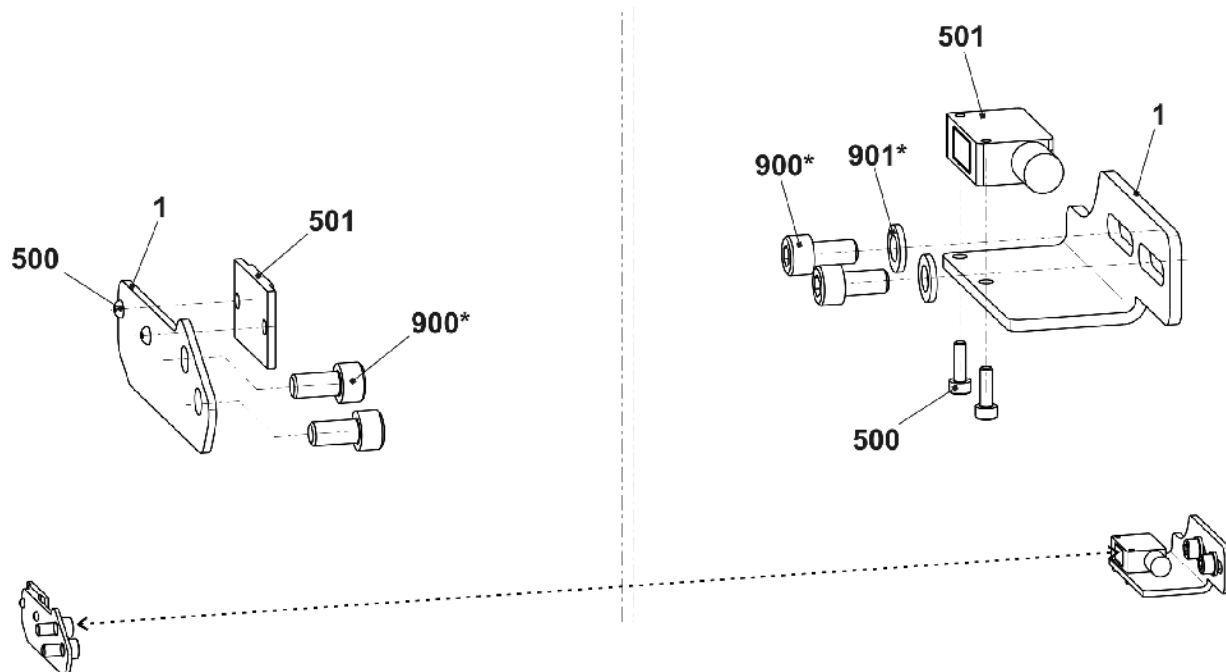
11.2 Input unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Input unit complete	268 272	8	Shoulder screw	264 179
1	Display casing	268 275	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



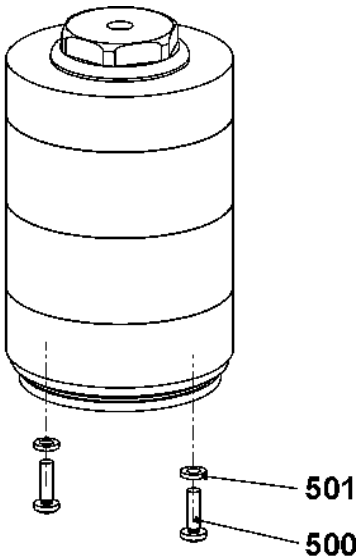
11.3 Control of Collecting Area

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



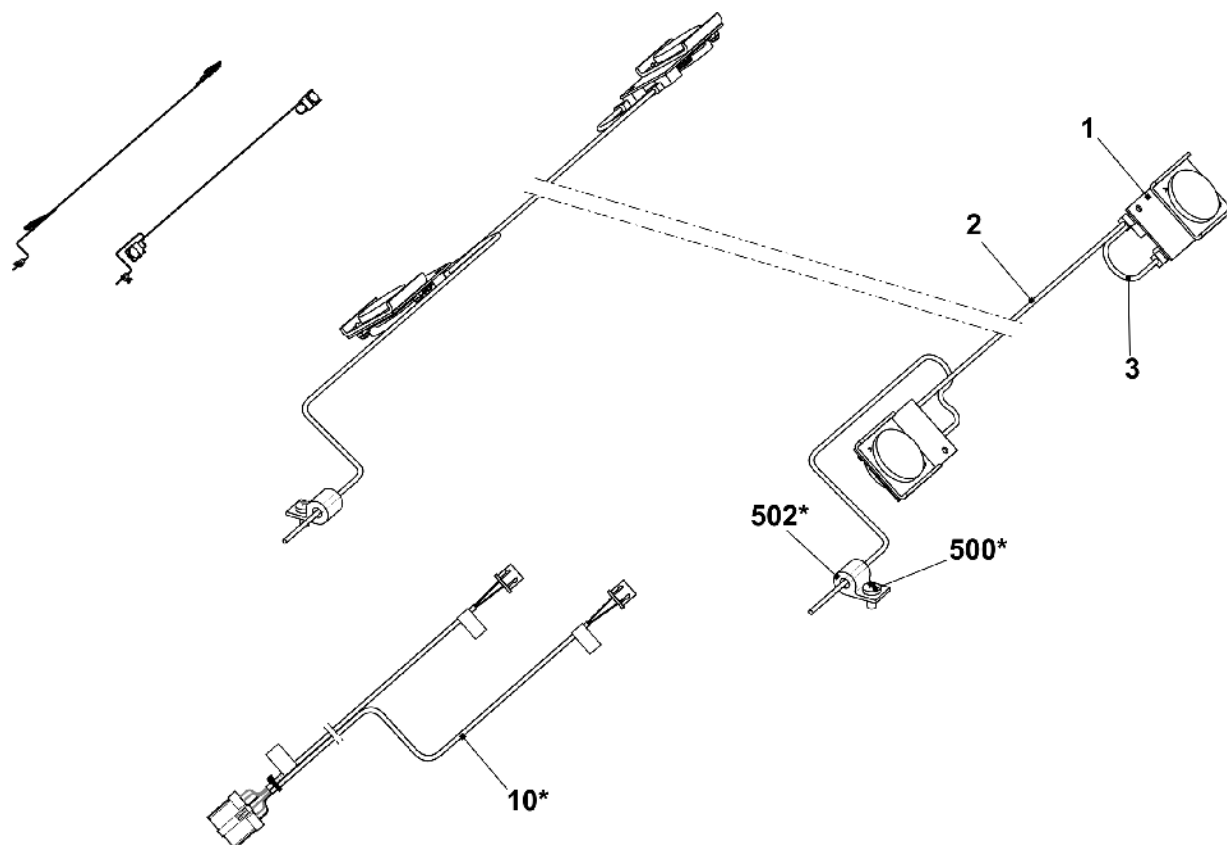
11.4 Signal light

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				

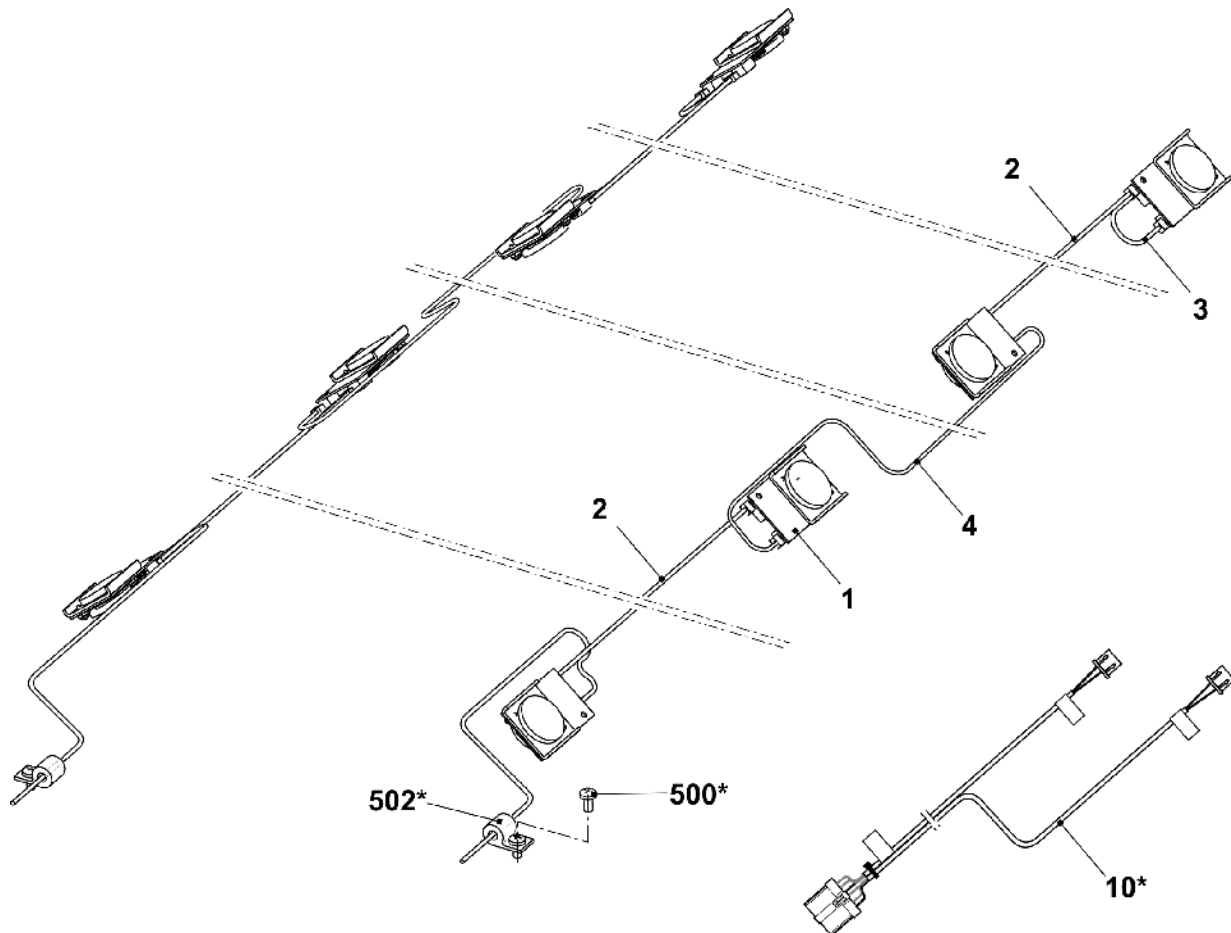


11.5 Shock stop motion E10 | E12 | E14 | E6.2 | E7.2

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

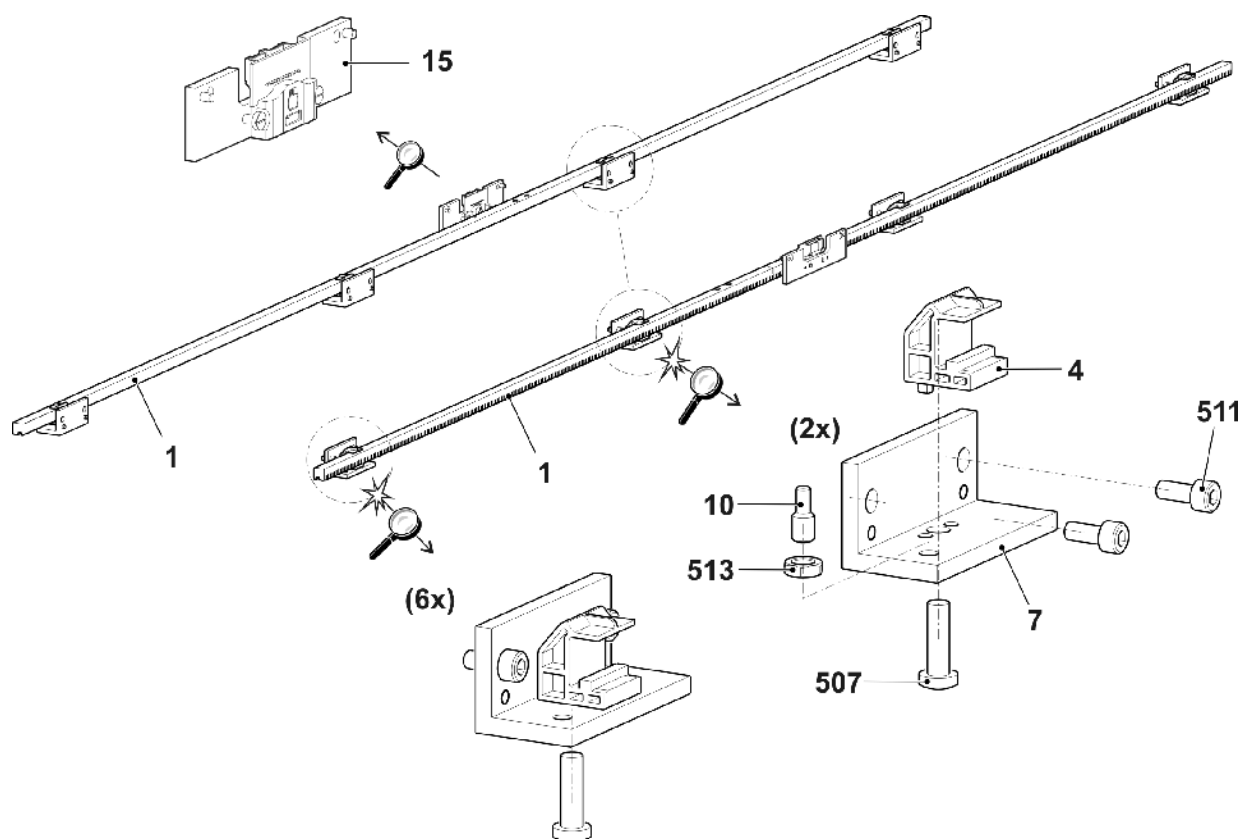


Pos	Designation	Id	Pos	Designation	Id
Σ	Shock stop motion complete E3	250 384	4	Cable connection piezo	250 295
1	Shock stop motion (Piezo)	220 011	10*	Cable piezo	240 518
2	Cable connection piezo	250 291	500*	Pan-head screw M4x8	023 036
3	End plug piezo sensor	220 053	502*	Cable clip N-3B, 5 mm	210 729

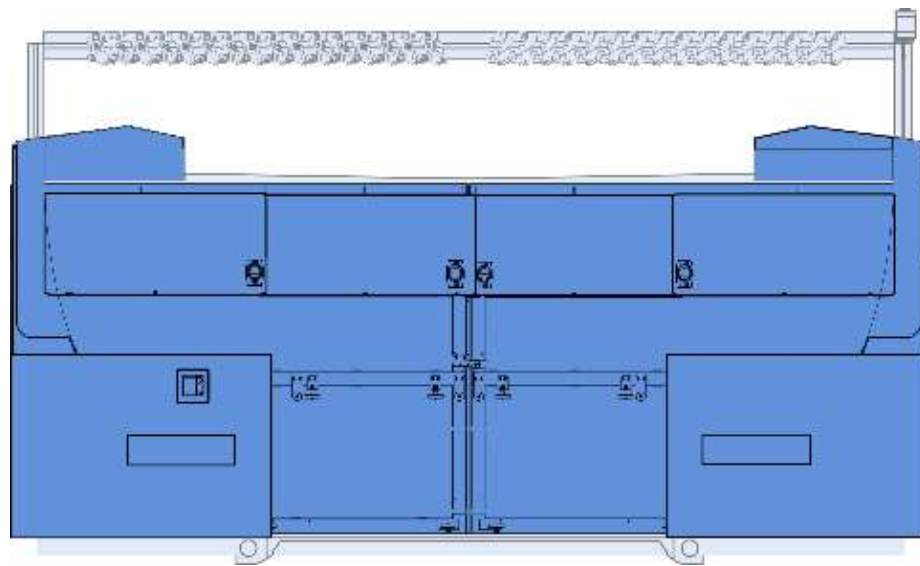


11.7 Measuring device

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

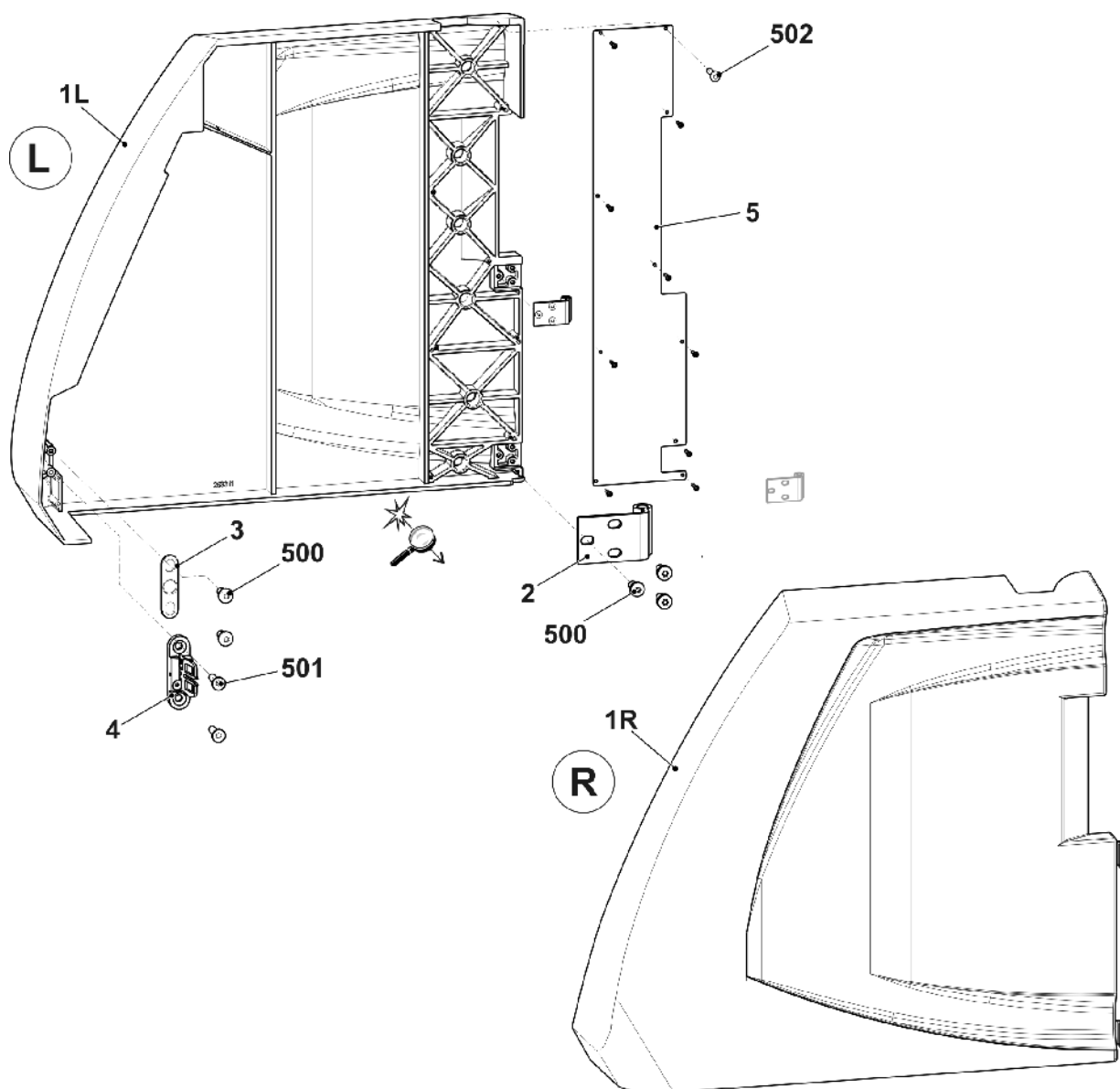


12 Protective devices



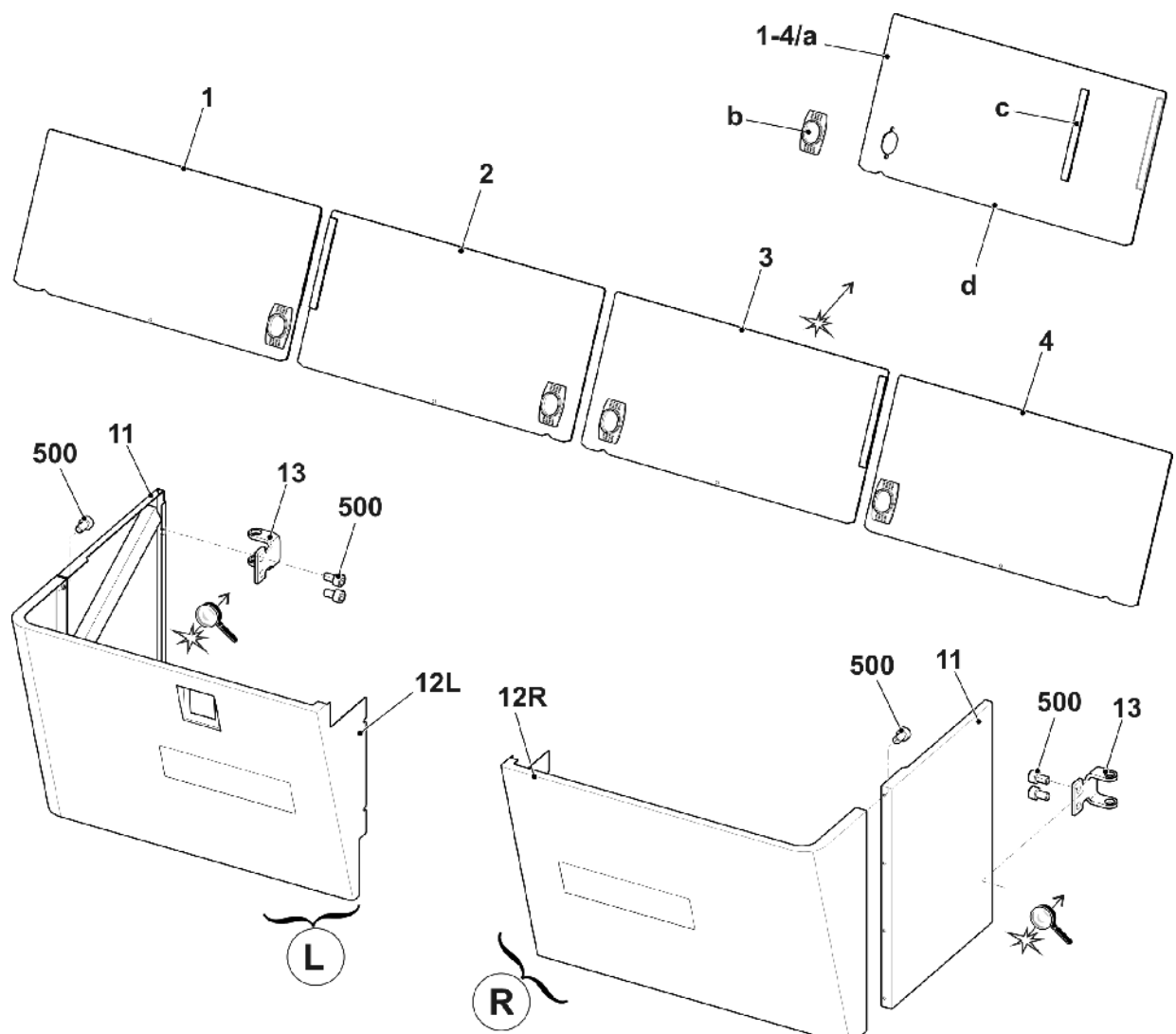
12.1 Lateral safety doors

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



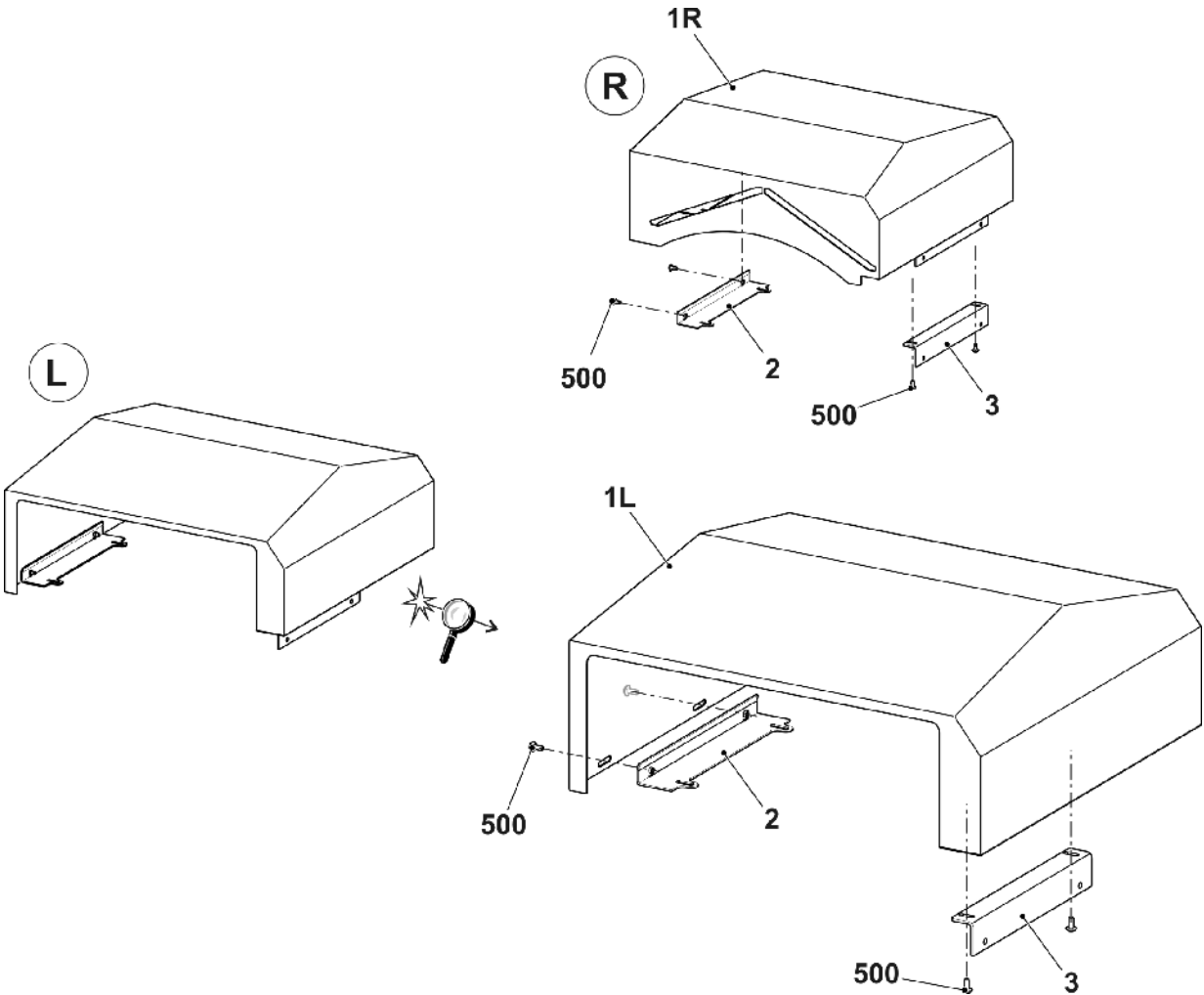
12.2 Panelling

Pos	Designation		Id	Pos	Designation		Id
1	Cover 1 complete		264 145	ΣL	Control unit panelling on the left complete		267 864
	1a	Cover 1+4	264 143		11	Side part	263 825
2	Cover 2 complete		264 146		12L	Control unit panelling on the left	267 862
	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		267 865
	4a	Cover 1+4	264 143		11	Side part	263 825
b	Inlet type handle		251 376		12R	Control unit panelling on the right	267 863
c	Stripper		264 142		13	Hinge	263 814
d	Magnet		256 801		500	Cap screw M6x10	023 690



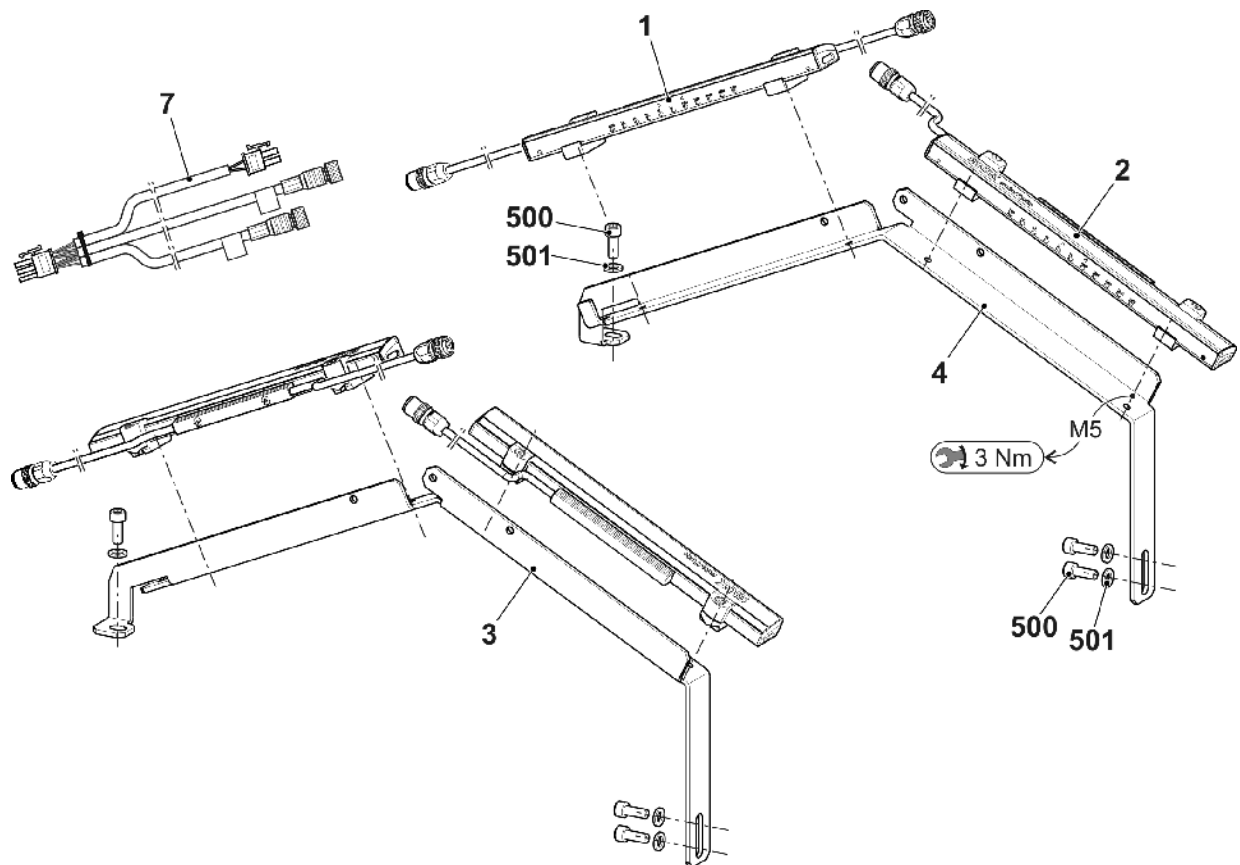
12.3 Covers

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



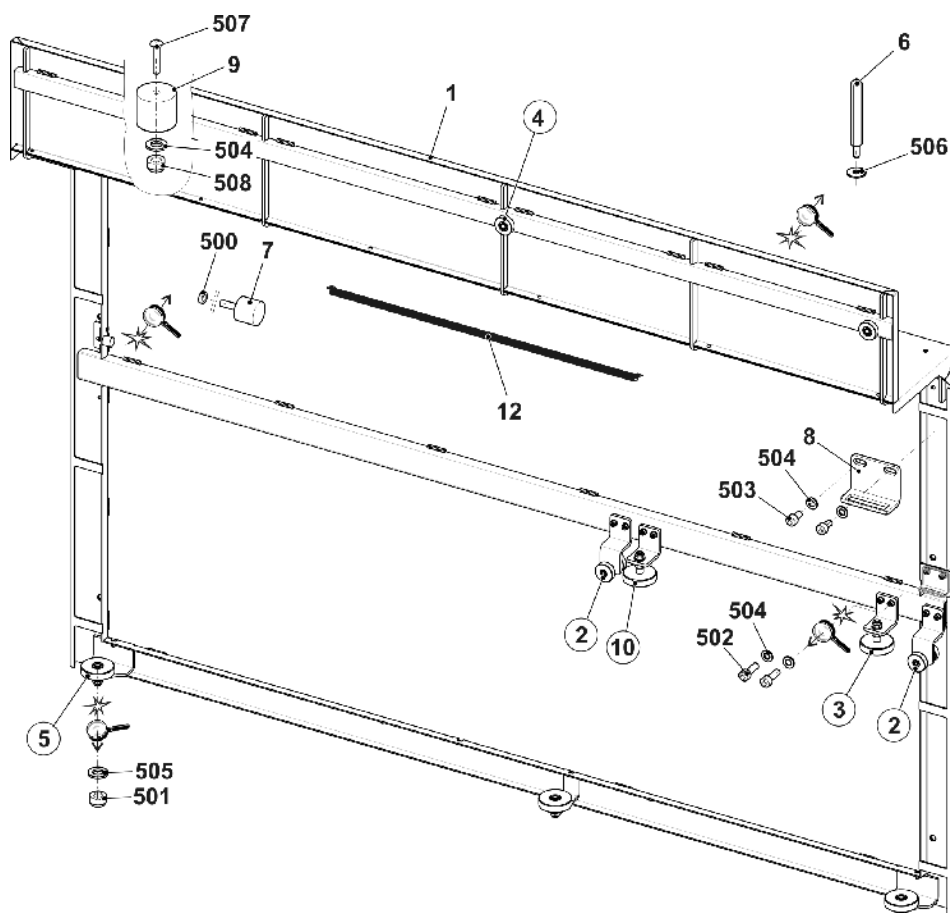
12.4 Light curtain

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



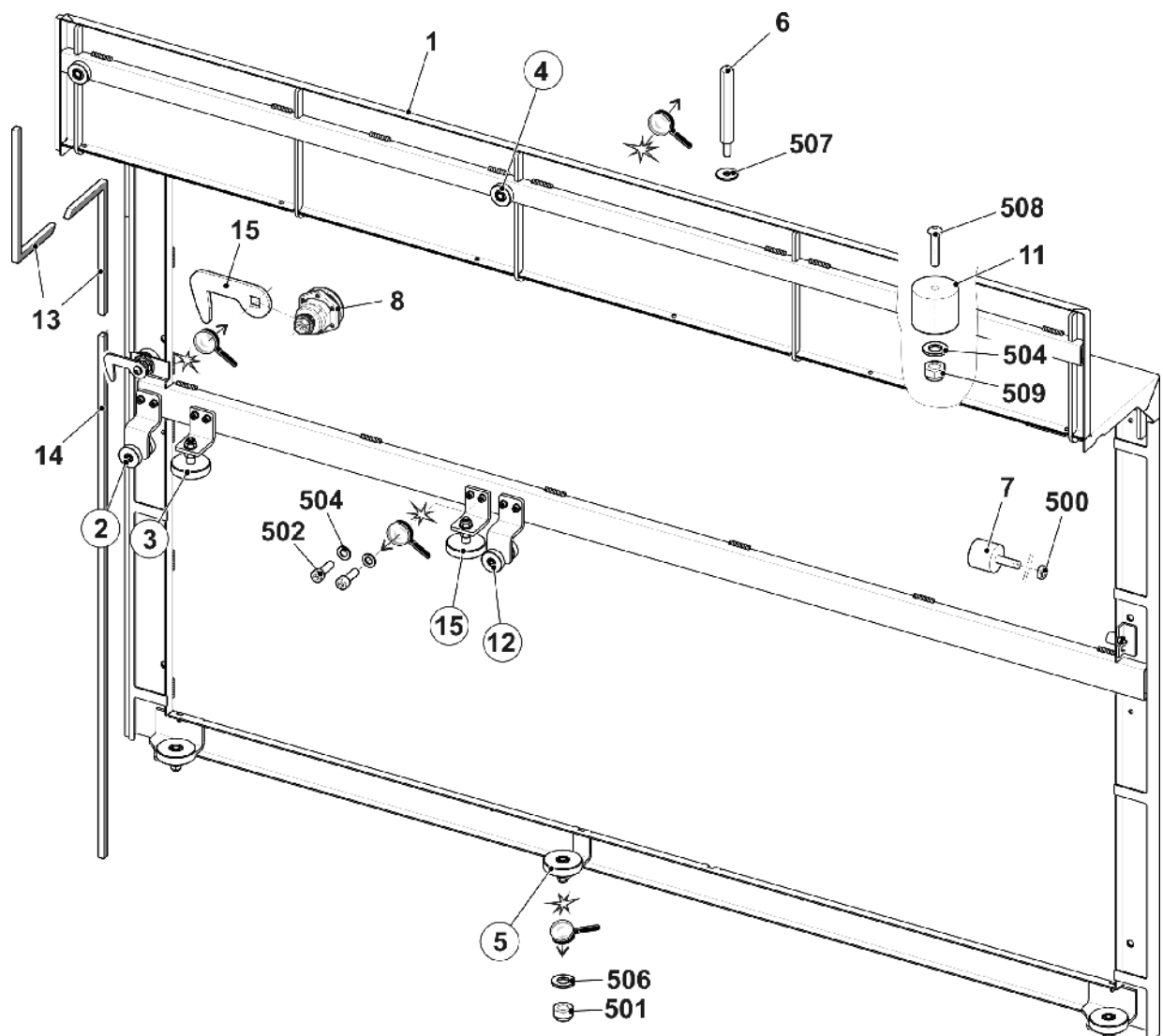
12.5 Left table

Pos	Designation	Id	Pos	Designation	Id
Σ	Left table complete	264 238	12	Lamp LED complete	263 648
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 5	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
10	Roller guide in the middle	265 169			



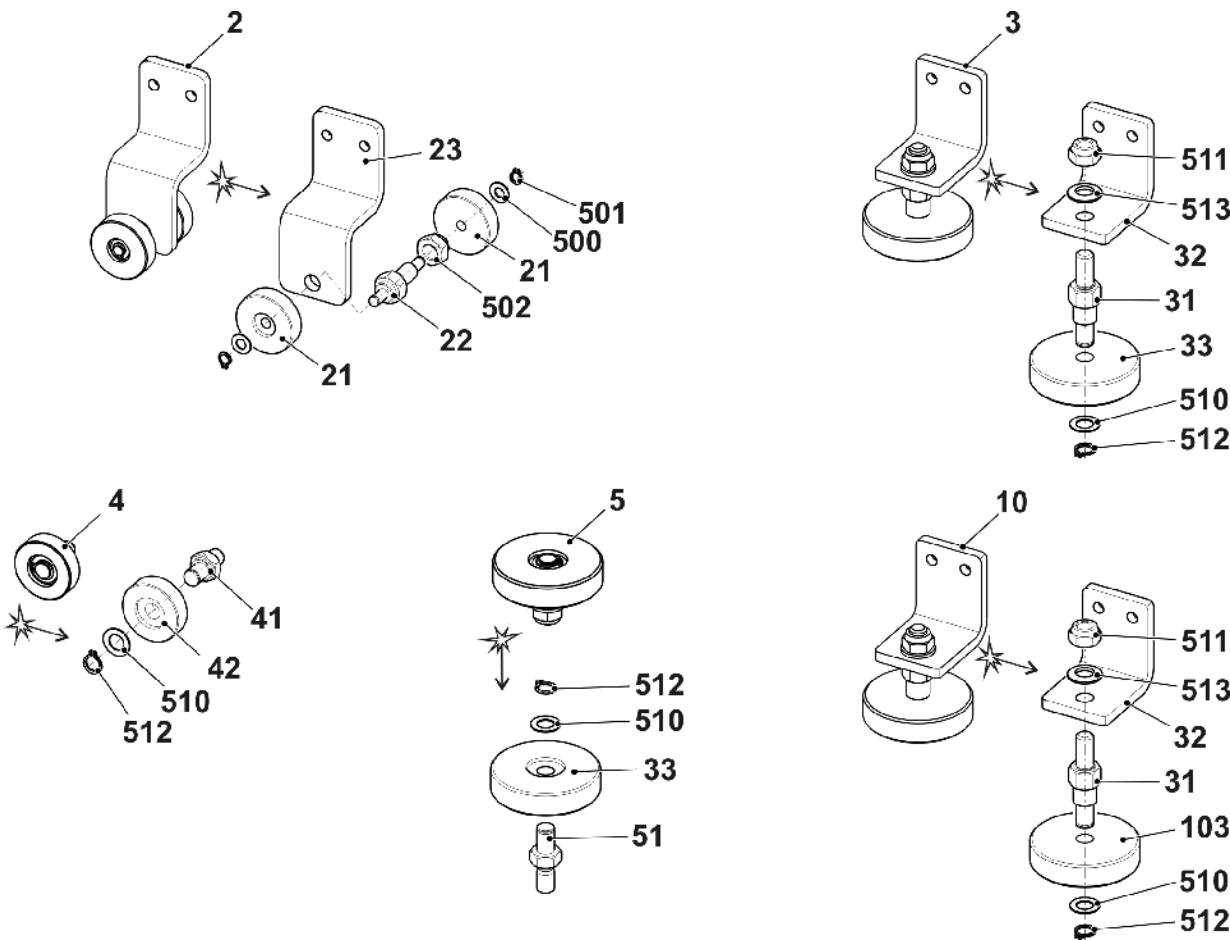
12.6 Right table

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



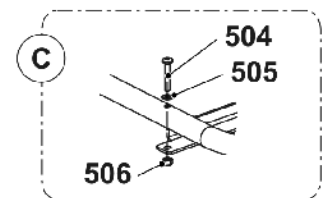
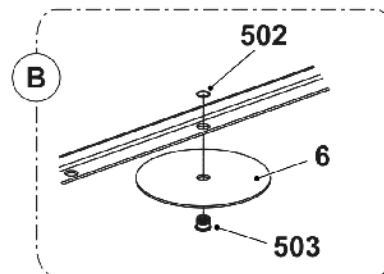
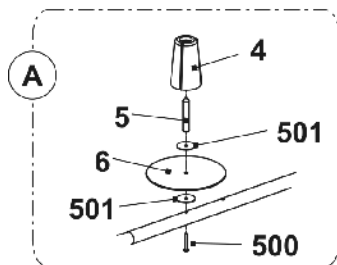
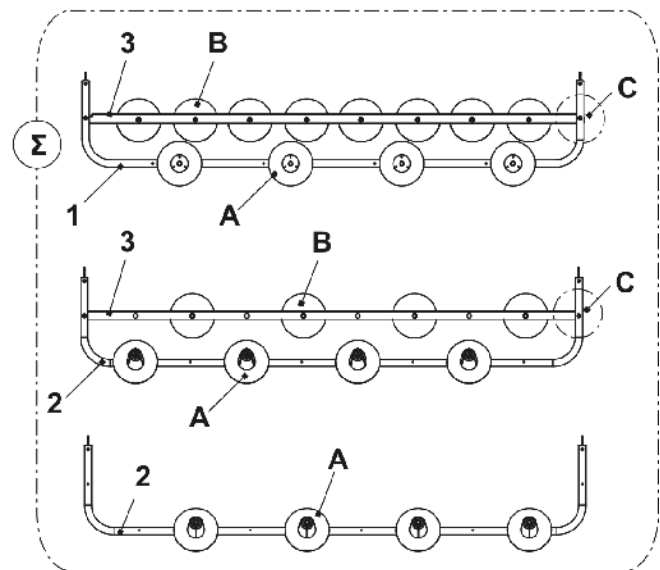
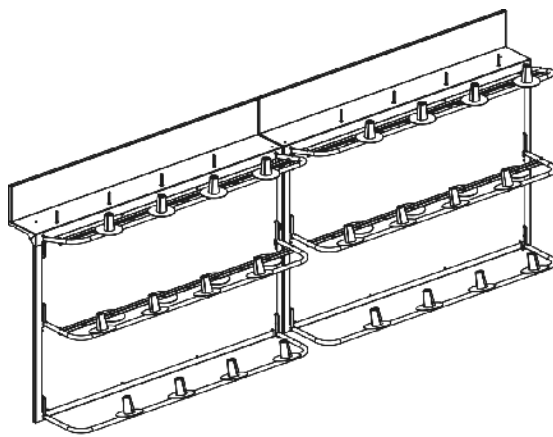
12.7 Table left and right, rollers

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

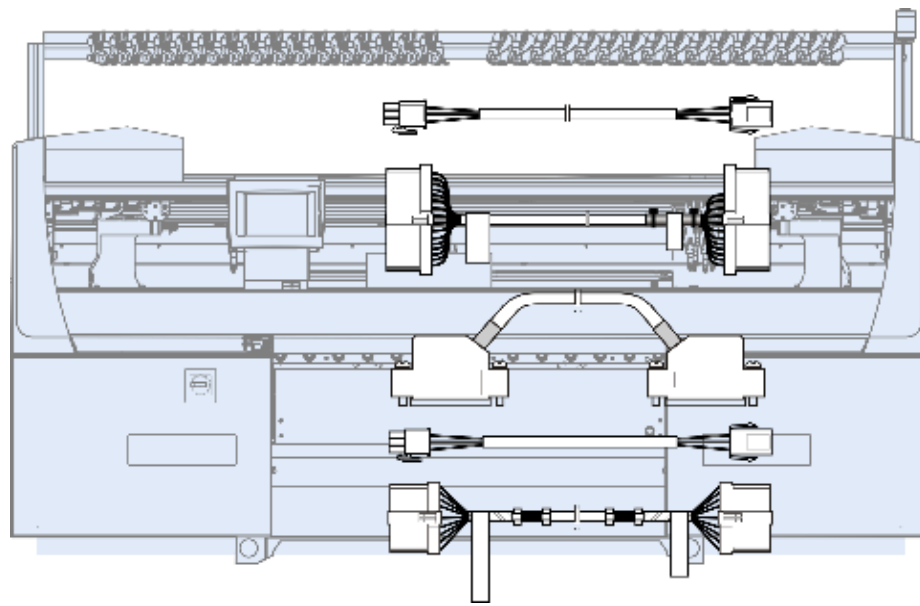


12.8 Additional bobbin board

Pos	Designation	ID	Pos	Designation	ID
Σ	Additional bobbin board ADF	265 249			
1	Additional bobbin board at the top welded	264 149	500	Pan head screw M4x35	266 663
2	Additional bobbin board in the middle welded	264 250	501	Washer 5,3x30x1,25	023 556
3	Retaining plate	264 162	502	Snap ring A12	020 996
4	Bobbin support	200 363	503	Eyelet	021 504
5	Positioning pin	202 777	504	Pan head screw M5x30	023 013
6	Disk D=130	062 385	505	Washer	020 871
			506	Hexagon nut M5-6	020 835



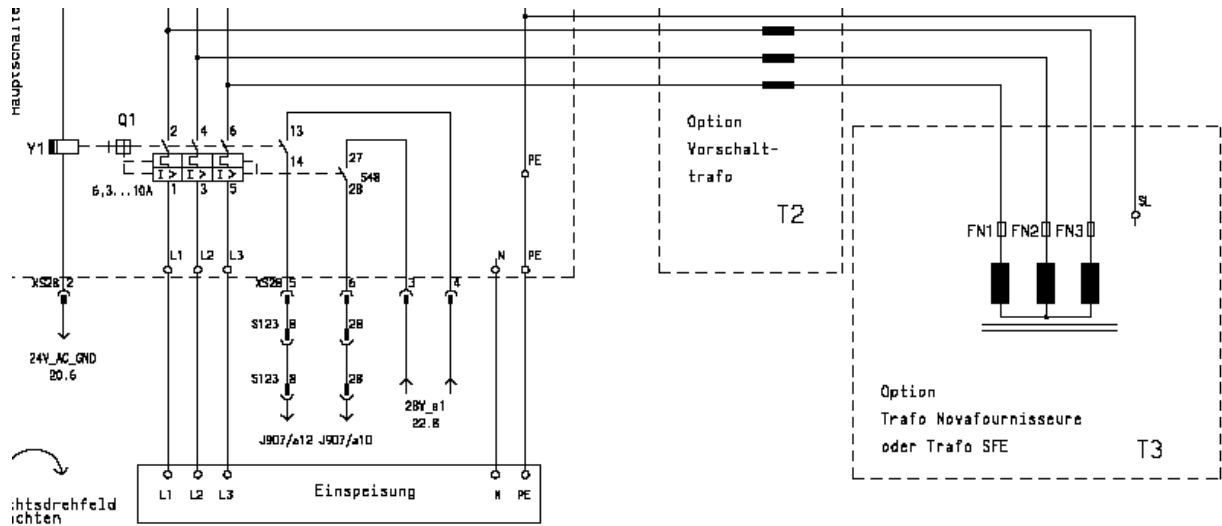
13 Electrical equipment



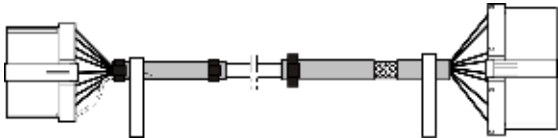
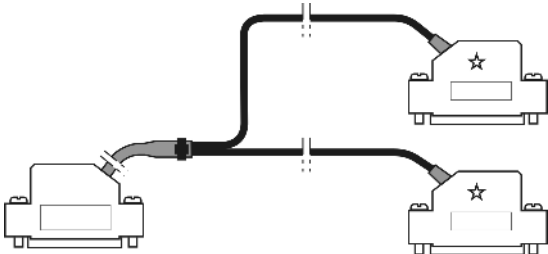
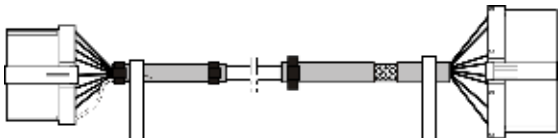
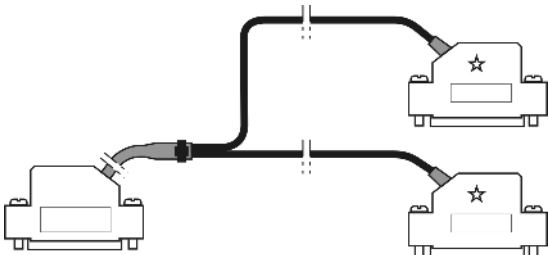
13.1 Circuit diagram (223) as PDF

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Circuit diagram 223_01 English	267 956	_GB
Circuit diagram 223_01 Chinese	267 956	_CN

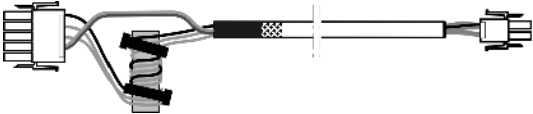
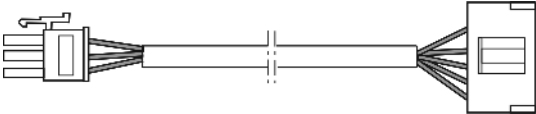
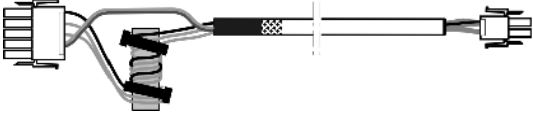
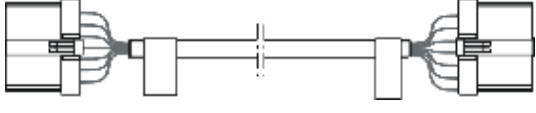
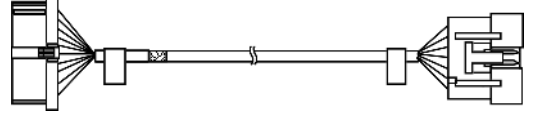
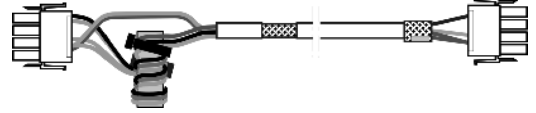
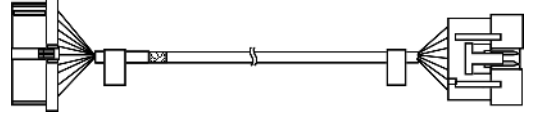
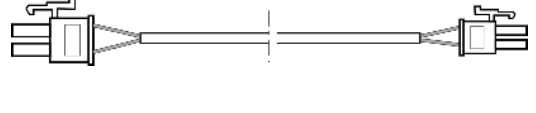
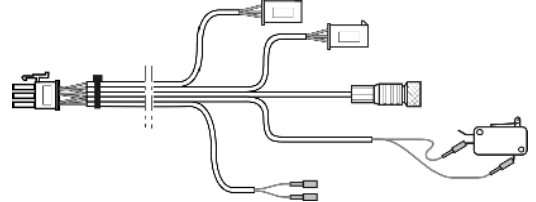
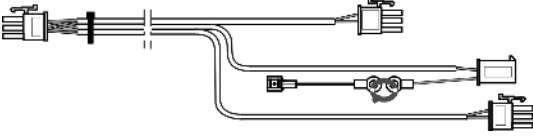
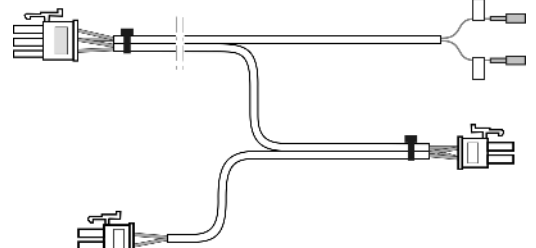
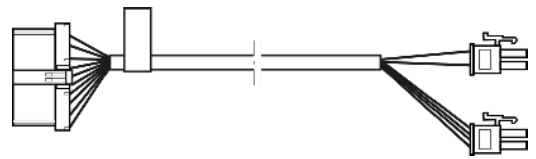
You will find the circuit diagram 223_01 on the CMS documentation DVD with the ID no. 257 157



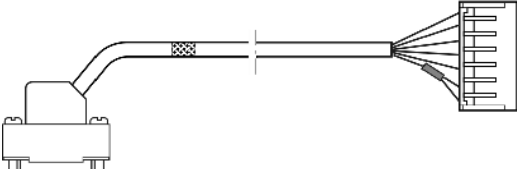
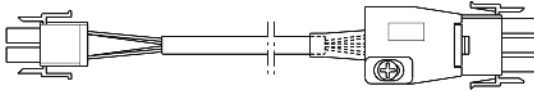
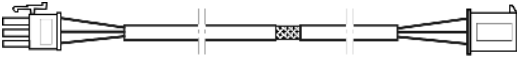
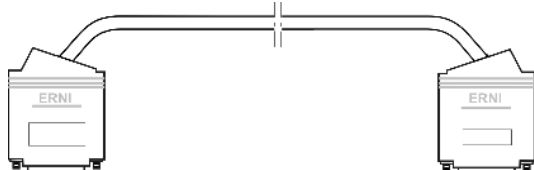
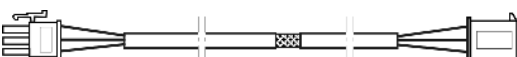
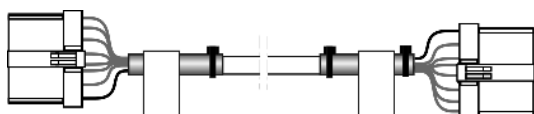
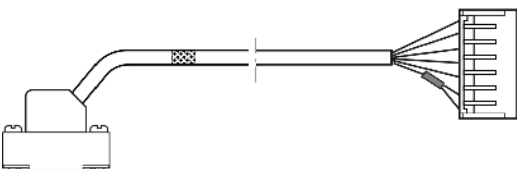
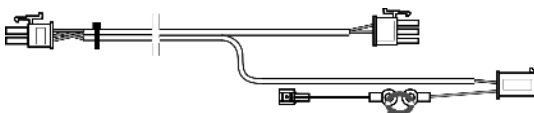
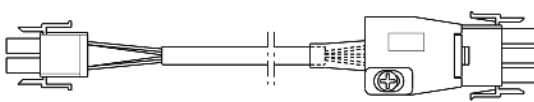
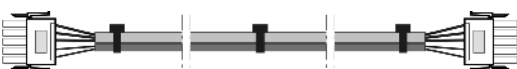
13.2 Cable guide front and rear ADF

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
					

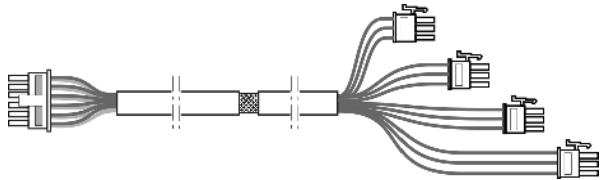
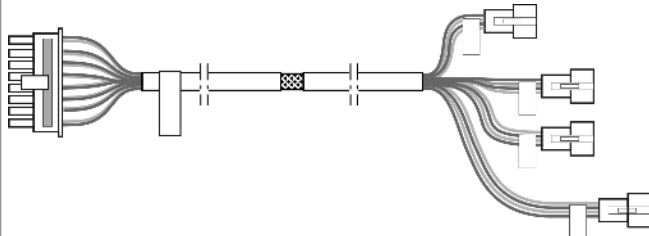
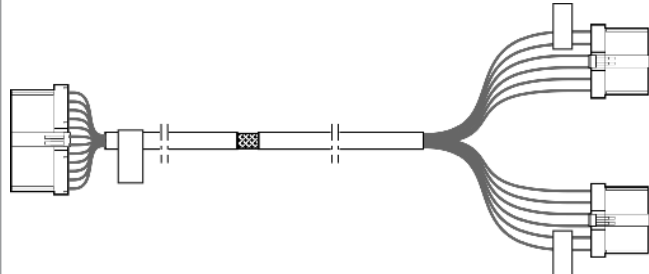
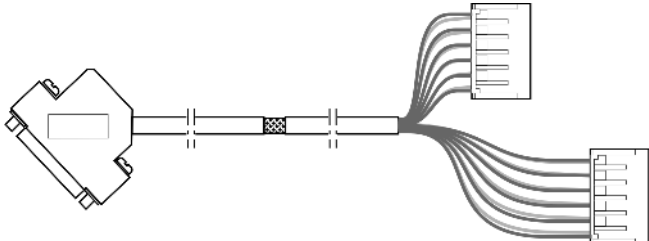
13.3 Cable set installation part 1

Designation	ID	Designation	ID
Σ Cable set installation	270 856		
1 Cable drive motor ADF OKC5	268 281	8 Cable racking limit switch OKC 3XX	240 292
			
2 Cable racking motor GA	262 237	9 Cable Engaging rod ECO2	252 538
			
3 Cable resolver racking EKC	270 037	10 Transformer cable XT7 servo	261 350
			
4 Cable resolver drive ADF EKC	270 244	11 Cable switch auxiliary take-down OKC5	265 677
			
5 Fan cable of Main Drive Motor AFDF	261 712	12 Cable switch comb OKC5	262 241
			
6 Cable protective device on the right 5XX	264 751	13 Cable switch main take-down OKC5	262 240
			
7 Cable lighting LED OKC5	265 675	14 Cable sensor HIAB OKC5	265 698
			

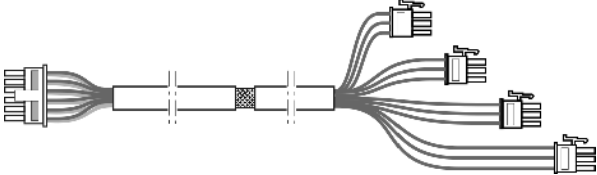
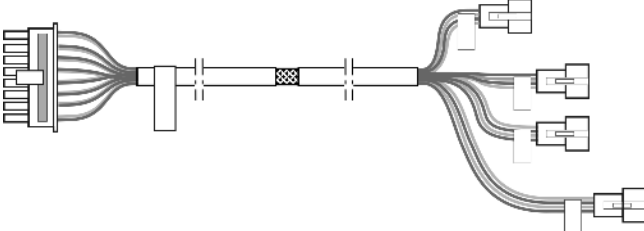
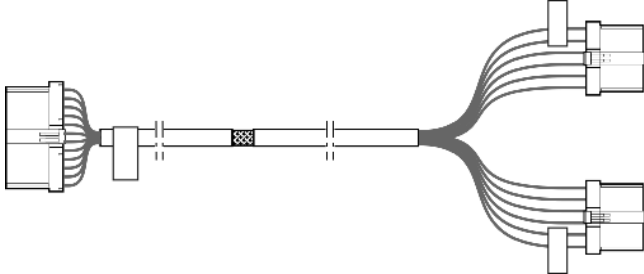
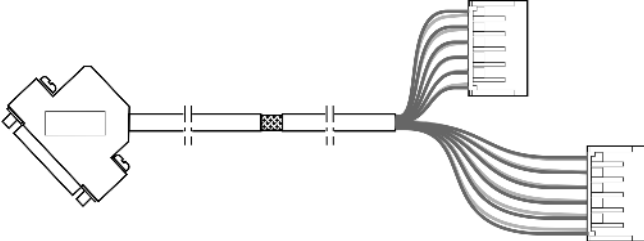
13.4 Cable set installation part 2

Designation	Id	Designation	Id
Σ Cable set installation	270 856		
15 Cable resolver comb	260 327	23 Cable feed wheel on the left 50" OKC	240 464
			
16 Cable power comb	260 326	24 Cable CAN 72" OKC	240 460
			
17 Cable power auxiliary take-down OKC5	265 676	25 Cable +40V servo AFDF	259 107
			
18 Cable power HAAB	260 324	26 Cable data servo AFDF	259 108
			
19 Cable resolver HAAB	260 325	27 Cable protective device on the left 5XX	264 750
			
20 Cable power comb hook	260 328	28 Cable supply FKE lamp OKC5	266 268
			
21 Cable of comb hook switch OKC5	262 239	29 Cable Feed wheel on the right OKC 3XX	240 294
			
22 Transformer cable XT9 power supply unit	261 351		
			

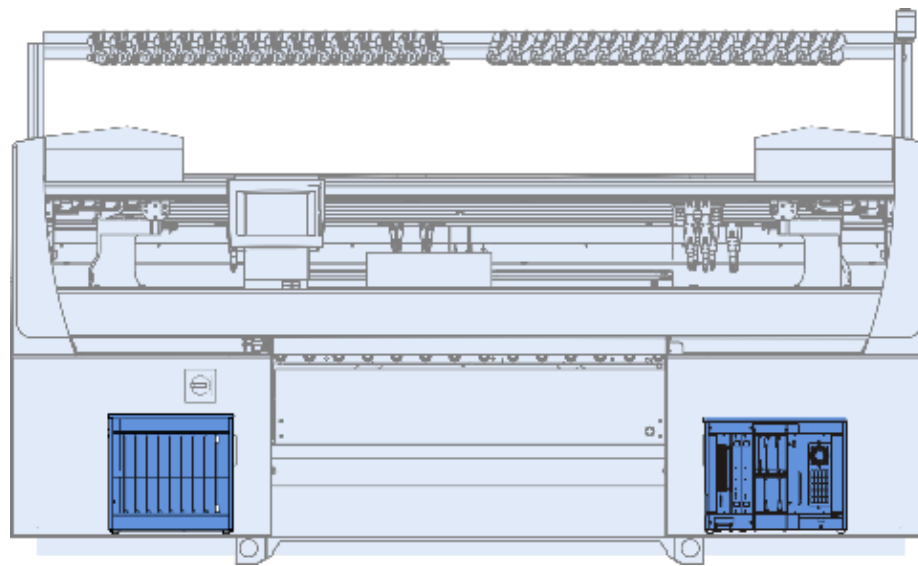
13.5 Loom of cables servo AFDF left 32-fold

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		
			

13.6 Loom of cables servo AFDF right 32-fold

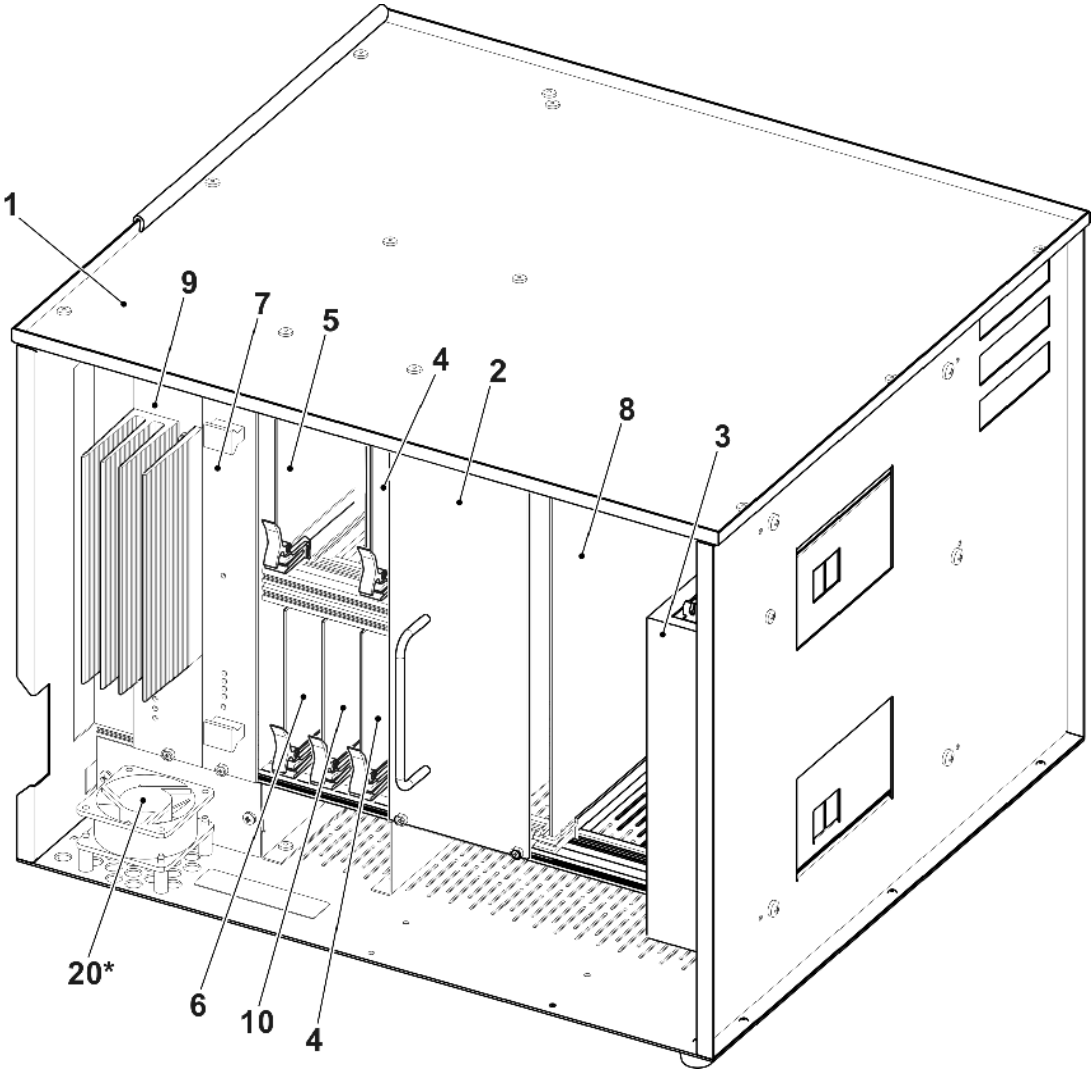
Designation		Id	Designation		Id
Σ	Loom of cables servo AFDF right 32-fold	259 354			
1	Cable right servo motor AFDF front 1	259 183	7	Cable SM right AFDFfront 1	259 199
2	Cable right servo motor AFDF front 4	259 186	8	Cable SM right AFDF rear 4	259 202
					
3	Cable resolver right AFDF front 1/1	259 191	9	Cable angle sensor right AFDF front 1	259 207
4	Cable resolver right AFDF front 1/2	259 347	10	Cable angle sensor right AFDF rear 4	259 210
5	Cable resolver right AFDF rear 4/1	259 194			
6	Cable resolver right AFDF rear 4/2	259 350			
					

14 Control electronics



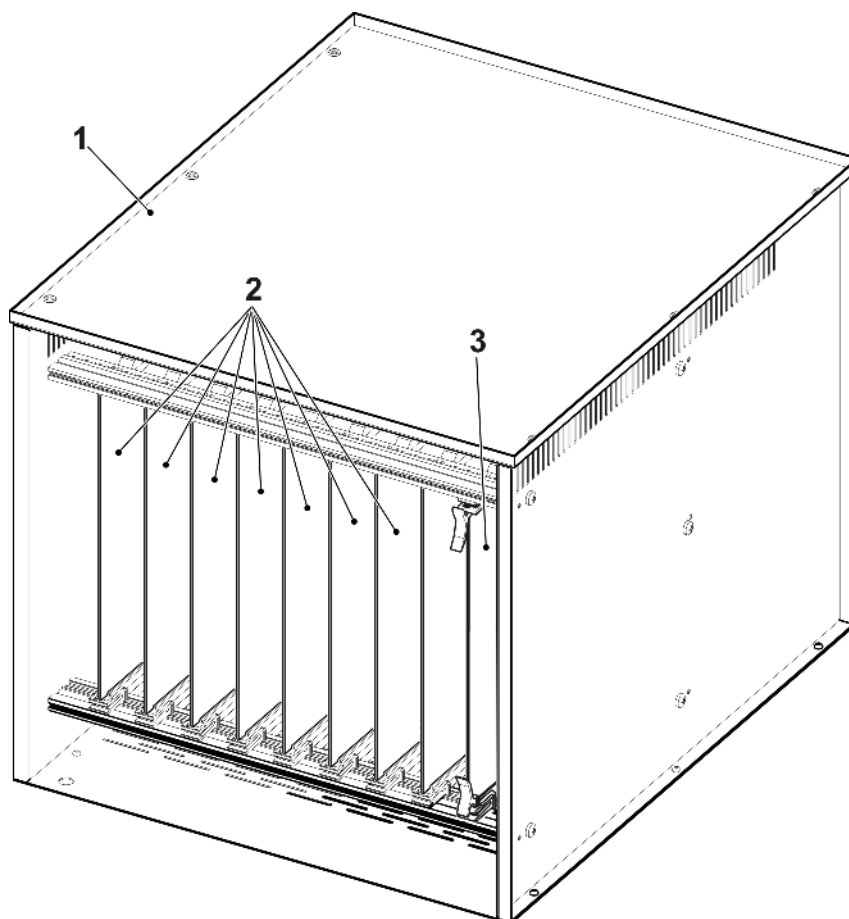
14.1 Right control cabinet

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit complete	267 153	6	Card Power CPU B	301 009
1	Control unit on the right without equip- ment	271 050	7	I/O card	301 023
2	Power supply unit JSE10	301 020	8	Card WASERVO	301 018
3	Battery plug-in unit complete	301 027	9	Card Servo 7 HUV	301 041
4	Card final stages 6SM	301 040	10	Card N-CPU 432	301 014
5	Card IPC P12 XP	301 039	20*	Axial blower Servo	229 059



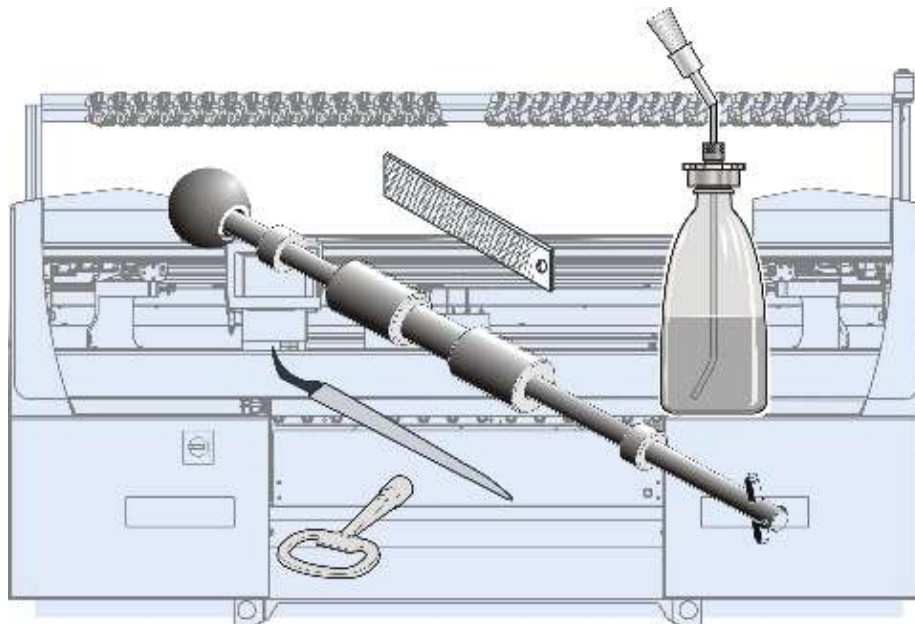
14.2 Left control cabinet

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



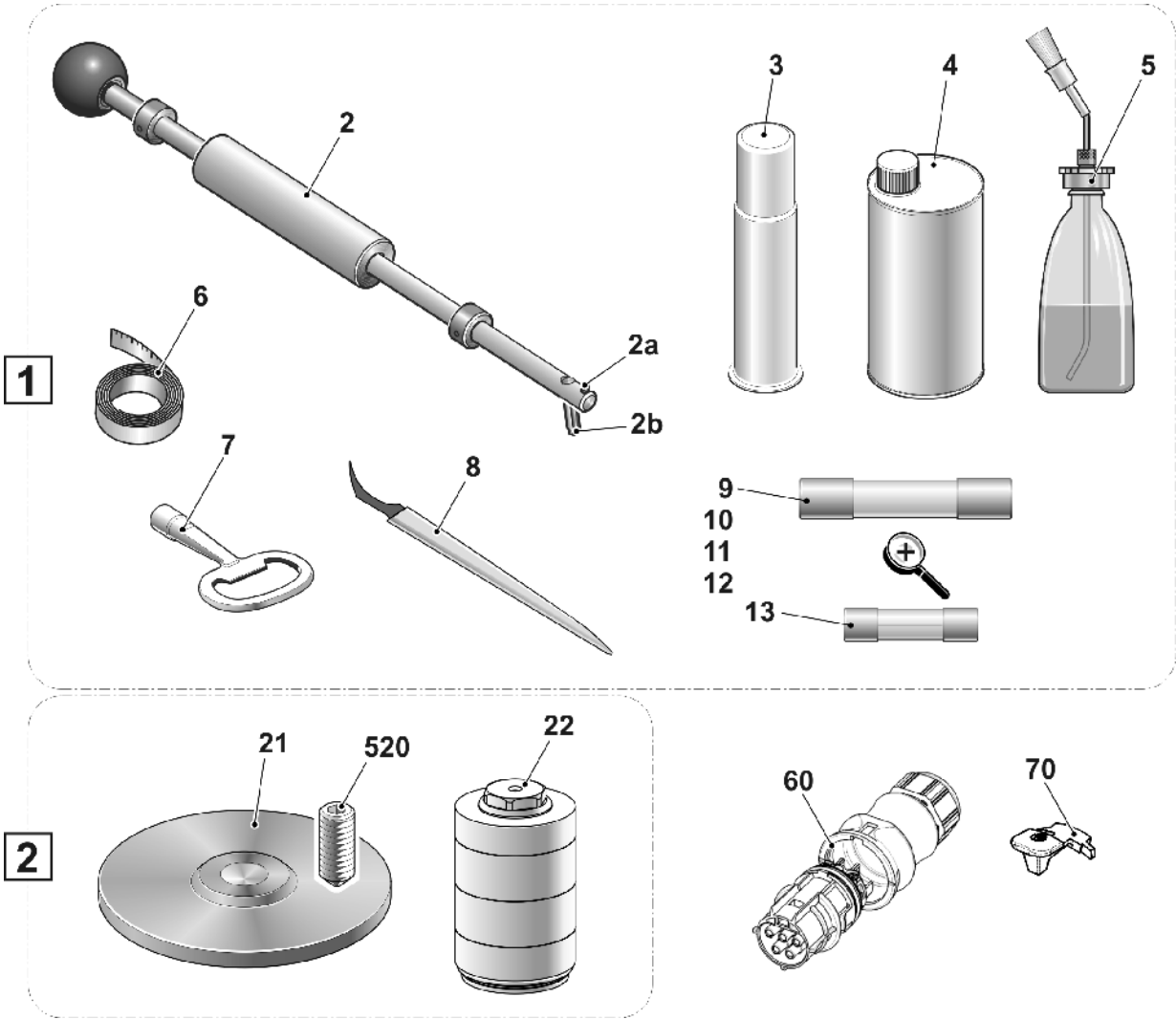
15 Deliverable accessories

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



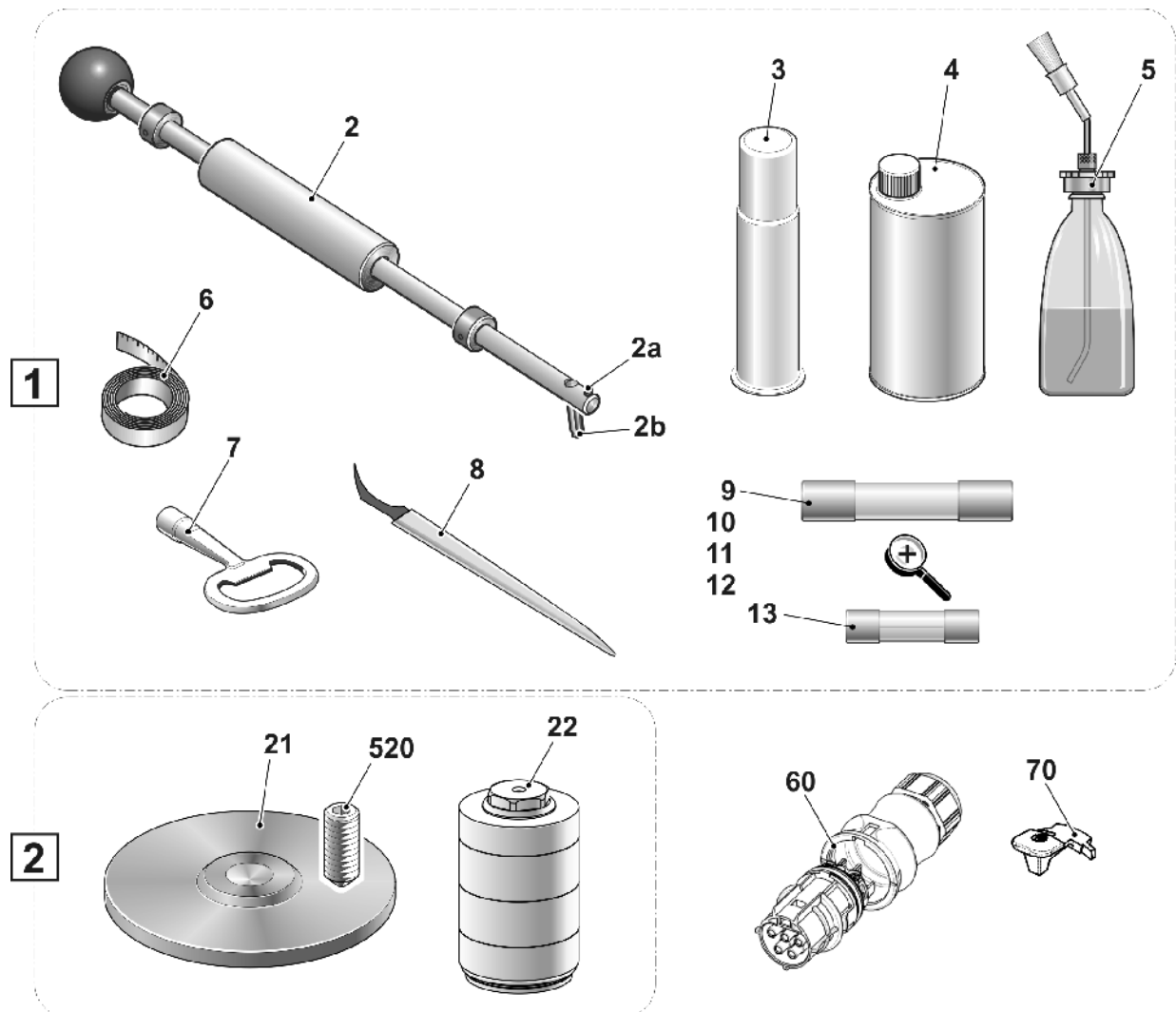
15.1 Accessories standard E5-14

Pos	Designation	Id	Pos	Designation	Id
Σ1	Accessories standard part 1	268 413			
2	Extraction hook	232 027	10	Fuse 8A T 440V 6,3x32	241 866
2a	Small pin	202 843	11	Fuse FKS 20A/80V	267 336
2b	Pencil	232 022	12	Fuse 1A T 440V 6,3x32	209 321
3	Grease Stoll Grease 0475, 150g	270 721	13	Fuse F1, 0A	008 748
4	Textile machine oil Stolltex T 46, 1l	268 621	Σ2	Accessories standard part 2	265 183
5	Oil combifix	216 732	21	Shim	056 569
6	Measuring tape L=150cm	228 180	22	Signal light LED	240 395
7	Key of switch cabinet	009 346	520	Setscrew M16x40	244 061
8	Working hook	227 249	60	Socket adapter RST20I5S	267 003
9	Fuse 1,6A T 440V 6,3x32	236 229	70	Accessories opener RST20	267 017



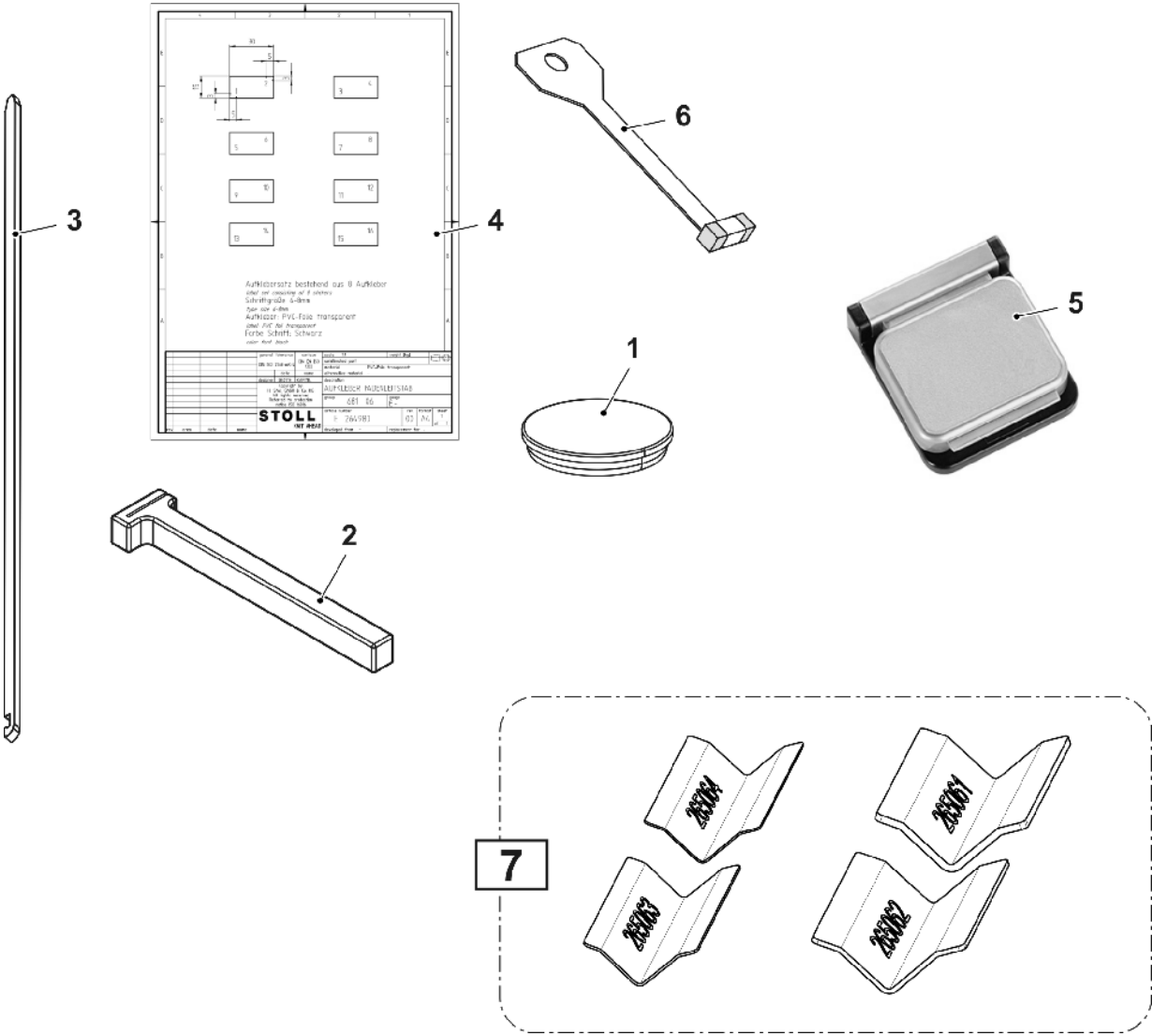
15.2 Accessories standard E16-18

Pos	Designation	Id	Pos	Designation	Id
Σ1	Accessories E16-18+8.2+9.2	268 414			
2	Extraction hook	232 027	10	Fuse 8A T 440V 6,3x32	241 866
2a	Small pin	202 843	11	Fuse FKS 20A/80V	267 336
2b	Pencil	232 022	12	Fuse 1A T 440V 6,3x32	209 321
3	Grease Stoll Grease 0475, 150g	270 721	13	Fuse F1, 0A	008 748
4	Textile machine oil Stolltex T 32, 1l	268 620	Σ2	Accessories standard part 2	265 183
5	Oil combifix	216 732	21	Shim	056 569
6	Measuring tape L=150cm	228 180	22	Signal light LED	240 395
7	Key of switch cabinet	009 346	520	Setscrew M16x40	244 061
8	Working hook	227 249	60	Socket adapter RST20I5S	267 003
9	Fuse 1,6A T 440V 6,3x32	236 229	70	Accessories opener RST20	267 017

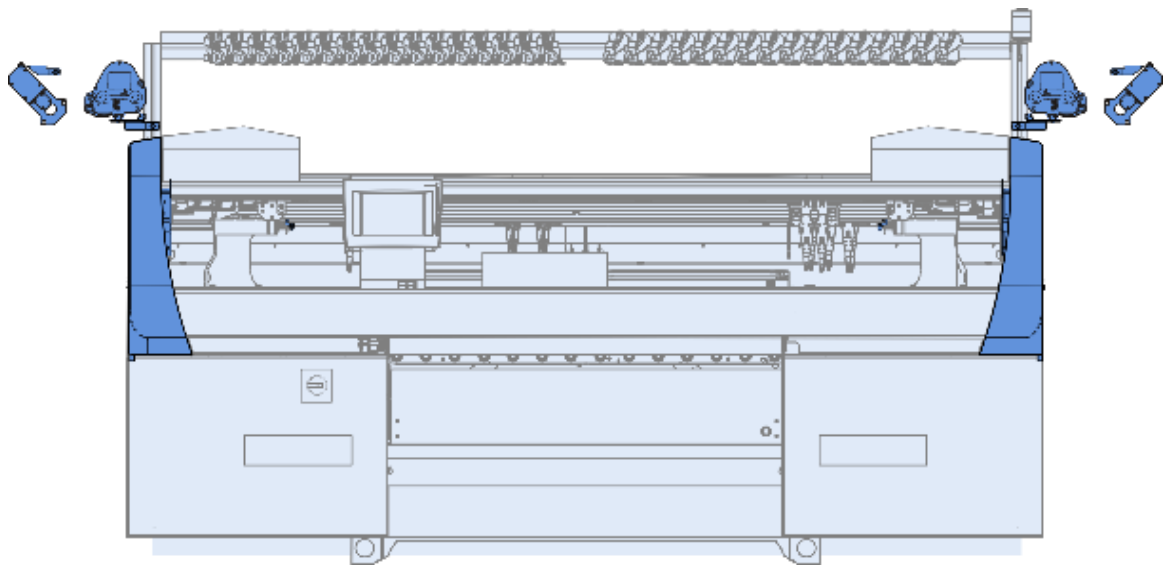


15.3 Accessories ADF

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories ADF	264 335			
1	Stopper	264 333	7	Adjusting plate	
2	Adjusting lever yarn carrier	262 882		E3-4	265 061
3	Threading rod	266 399		E2,5.2-8	265 062
4	Label yarn guide rod	264 980		E10-14	265 063
5	Magnetic clamp	201 483		E16-18	265 064
6	Oiler yarn carrier rail ADF	270 198			

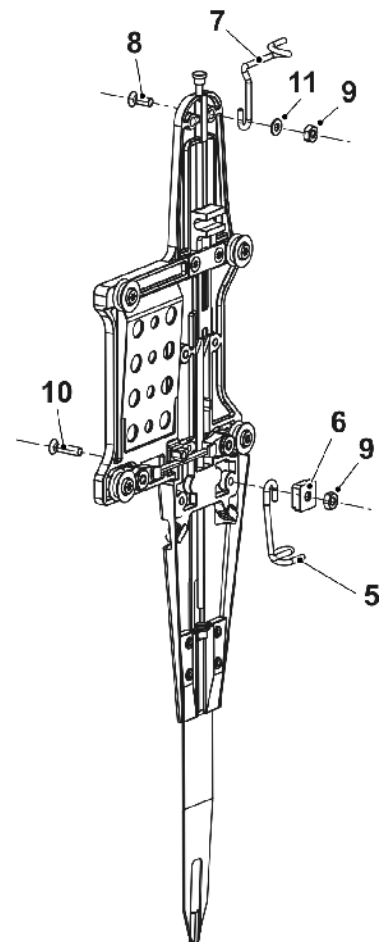
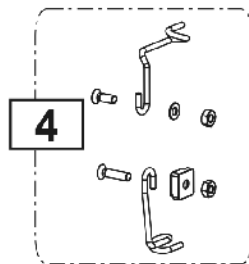
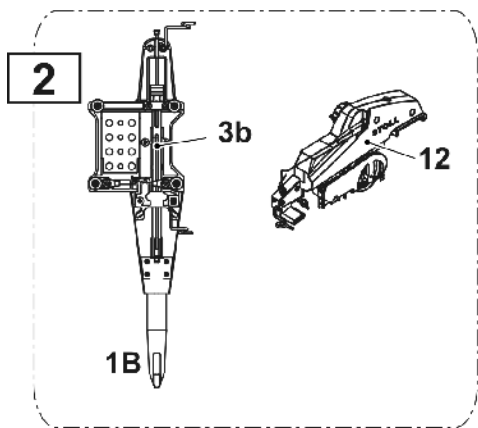
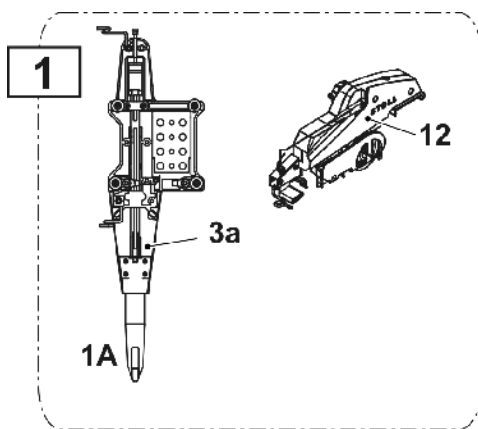


16 Special attachments



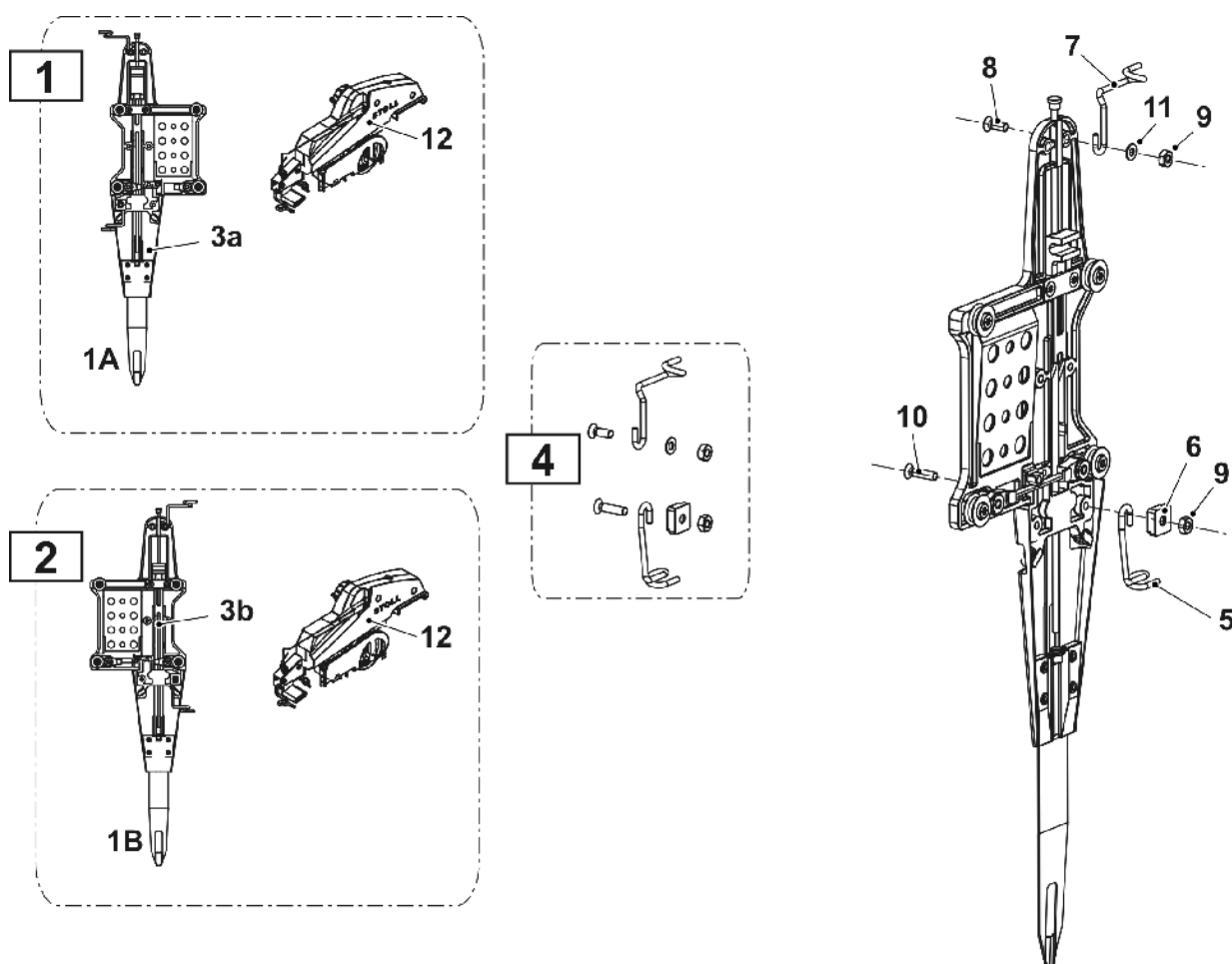
16.1 Yarn carrier carriage 1A and 1B bypass E10|E12|E14|E6.2|E7.2

Pos	Designation	ID	Pos	Designation	ID
1	Carriage of yarn carrier 1A bypass with yarn control device	271 180	2	Carriage of yarn carrier 1B bypass with yarn control device	271 181
3a	Carriage of yarn carrier 1A (E3,5.2)	271 174	3b	Carriage of yarn carrier 1B (E3,5.2)	271 176
4	Assembly kit bypass on the left	270 469	4	Assembly kit bypass on the right	270 470
5	Yarn guide bracket bottom on the left	270 333	5	Yarn guide bracket bottom on the right	270 334
6	Clamp on the left	270 335	6	Clamp on the right	270 336
7	Yarn guide on the left superior	270 384	7	Yarn guide on the right superior	270 385
8	Countersunk screw M3x8	020 287	8	Countersunk screw M3x8	020 287
9	Hexagon nut M3-6	020 831	9	Hexagon nut M3-6	020 831
10	Countersunk screw M3x10	265 375	10	Countersunk screw M3x10	265 375
11	Shim ring 3x6x0,5	238 366	11	Shim ring 3x6x0,5	238 366
12	Yarn control device ADF E3,5.2	270 467	12	Yarn control device ADF E3,5.2	270 467



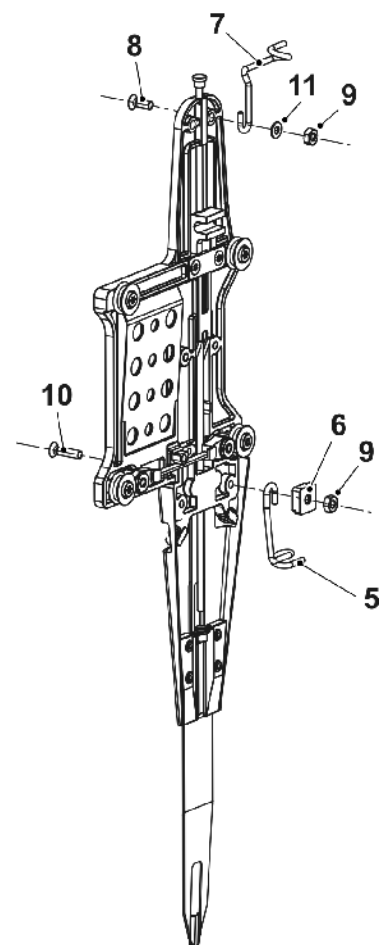
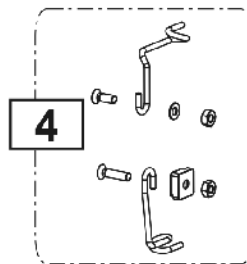
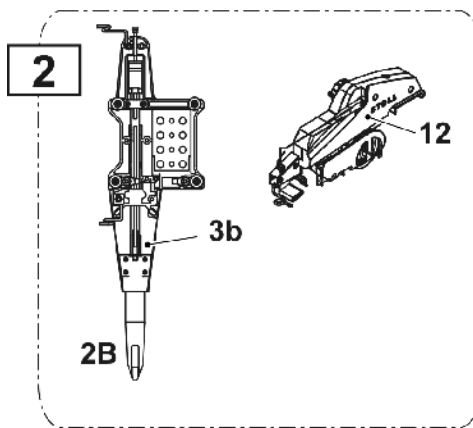
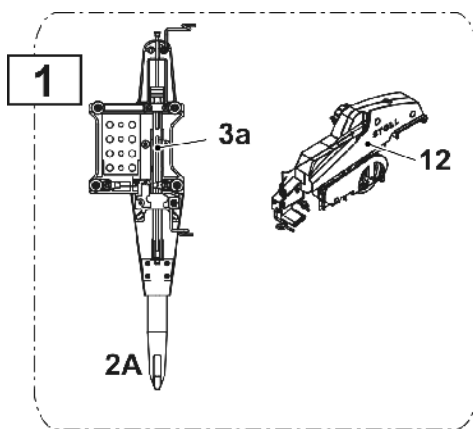
16.2 Yarn carrier carriage 1A and 1B bypass E16|E18|E8.2

Pos	Designation	ID	Pos	Designation	ID
1	Carriage of yarn carrier 1A bypass with yarn control device	271 238	2	Carriage of yarn carrier 1B bypass with yarn control device	271 239
3a	Carriage of yarn carrier 1A (E6.2)	271 234	3b	Carriage of yarn carrier 1B (E6.2)	271 235
4	Assembly kit bypass on the left	270 469	4	Assembly kit bypass on the right	270 470
5	Yarn guide bracket bottom on the left	270 333	5	Yarn guide bracket bottom on the right	270 334
6	Clamp on the left	270 335	6	Clamp on the right	270 336
7	Yarn guide on the left superior	270 384	7	Yarn guide on the right superior	270 385
8	Countersunk screw M3x8	020 287	8	Countersunk screw M3x8	020 287
9	Hexagon nut M3-6	020 831	9	Hexagon nut M3-6	020 831
10	Countersunk screw M3x10	265 375	10	Countersunk screw M3x10	265 375
11	Shim ring 3x6x0,5	238 366	11	Shim ring 3x6x0,5	238 366
12	Yarn control device ADF E6.2	267 105	12	Yarn control device ADF E6.2	267 105



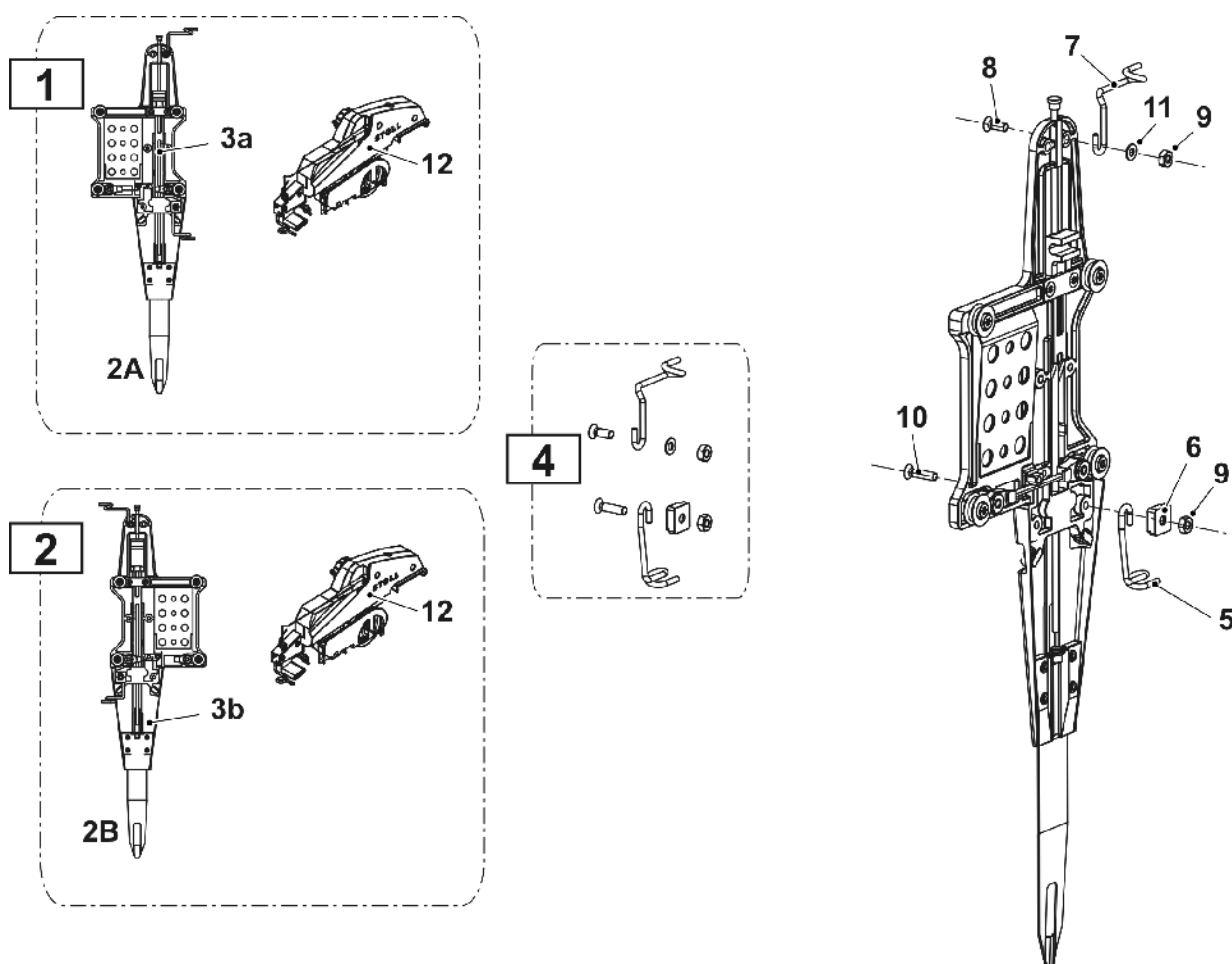
16.3 Yarn carrier carriage 2A and 2B bypass E10|E12|E14|E6.2|E7.2

Pos	Designation	ID	Pos	Designation	ID
1	Carriage of yarn carrier 2A bypass with yarn control device	271 182	2	Carriage of yarn carrier 2B bypass with yarn control device	271 183
3a	Carriage of yarn carrier 2A (E3,5.2)	271 178	3b	Carriage of yarn carrier 2B (E3,5.2)	271 179
4	Assembly kit bypass on the right	270 470	4	Assembly kit bypass on the left	270 469
5	Yarn guide bracket bottom on the right	270 334	5	Yarn guide bracket bottom on the left	270 333
6	Clamp on the right	270 336	6	Clamp on the left	270 335
7	Yarn guide on the right superior	270 385	7	Yarn guide on the left superior	270 384
8	Countersunk screw M3x8	020 287	8	Countersunk screw M3x8	020 287
9	Hexagon nut M3-6	020 831	9	Hexagon nut M3-6	020 831
10	Countersunk screw M3x10	265 375	10	Countersunk screw M3x10	265 375
11	Shim ring 3x6x0,5	238 366	11	Shim ring 3x6x0,5	238 366
12	Yarn control device ADF E3,5.2	270 467	12	Yarn control device ADF E3,5.2	270 467



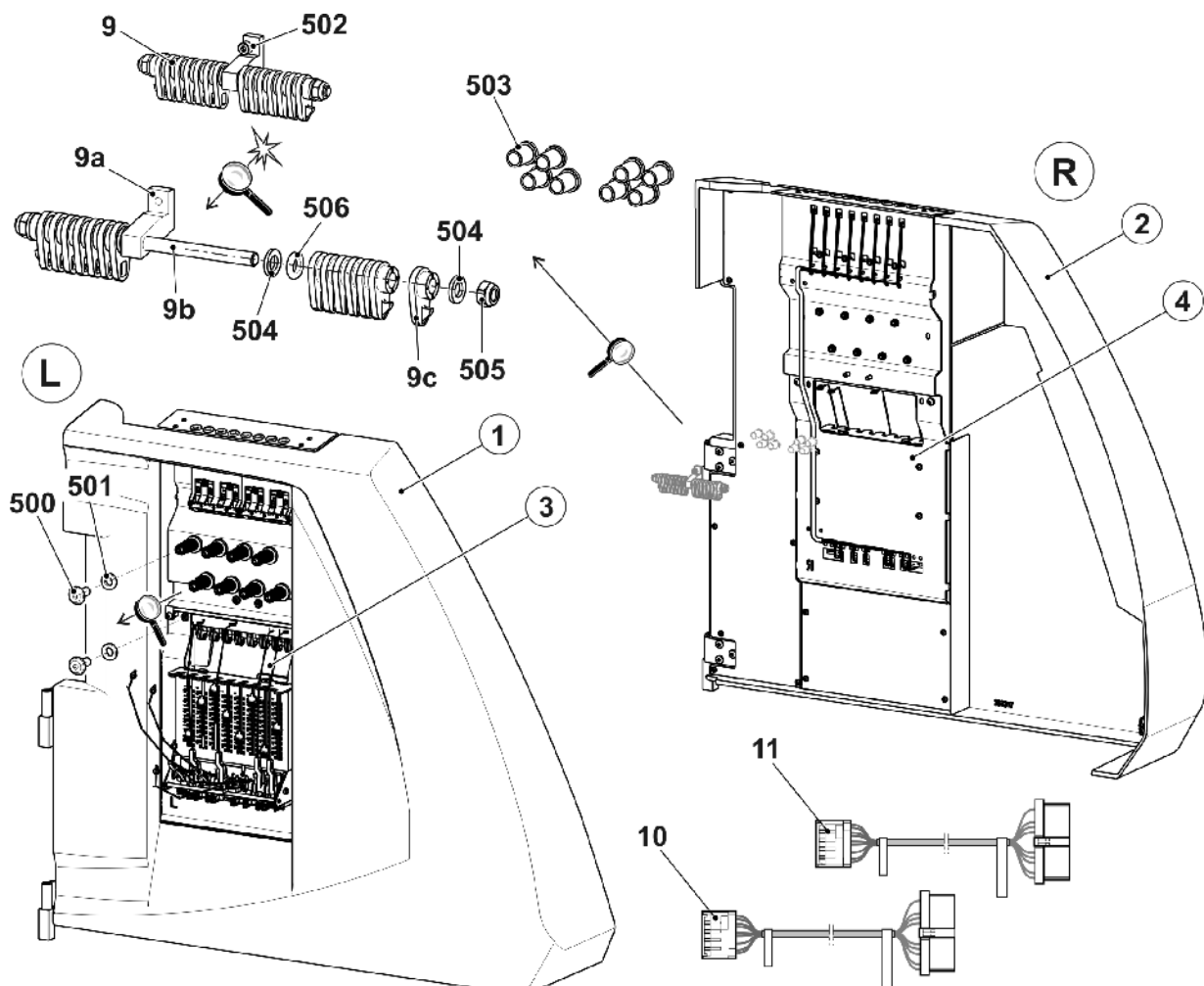
16.4 Yarn carrier carriage 2A and 2B bypass E16 | E18 | E8.2

Pos	Designation	ID	Pos	Designation	ID
1	Carriage of yarn carrier 2A bypass with yarn control device	271 240	2	Carriage of yarn carrier 2B bypass with yarn control device	271 241
3a	Carriage of yarn carrier 2A (E6.2)	271 236	3b	Carriage of yarn carrier 2B (E6.2)	271 237
4	Assembly kit bypass on the right	270 470	4	Assembly kit bypass on the left	270 469
5	Yarn guide bracket bottom on the right	270 334	5	Yarn guide bracket bottom on the left	270 333
6	Clamp on the right	270 336	6	Clamp on the left	270 335
7	Yarn guide on the right superior	270 385	7	Yarn guide on the left superior	270 384
8	Countersunk screw M3x8	020 287	8	Countersunk screw M3x8	020 287
9	Hexagon nut M3-6	020 831	9	Hexagon nut M3-6	020 831
10	Countersunk screw M3x10	265 375	10	Countersunk screw M3x10	265 375
11	Shim ring 3x6x0,5	238 366	11	Shim ring 3x6x0,5	238 366
12	Yarn control device ADF E6.2	267 105	12	Yarn control device ADF E6.2	267 105



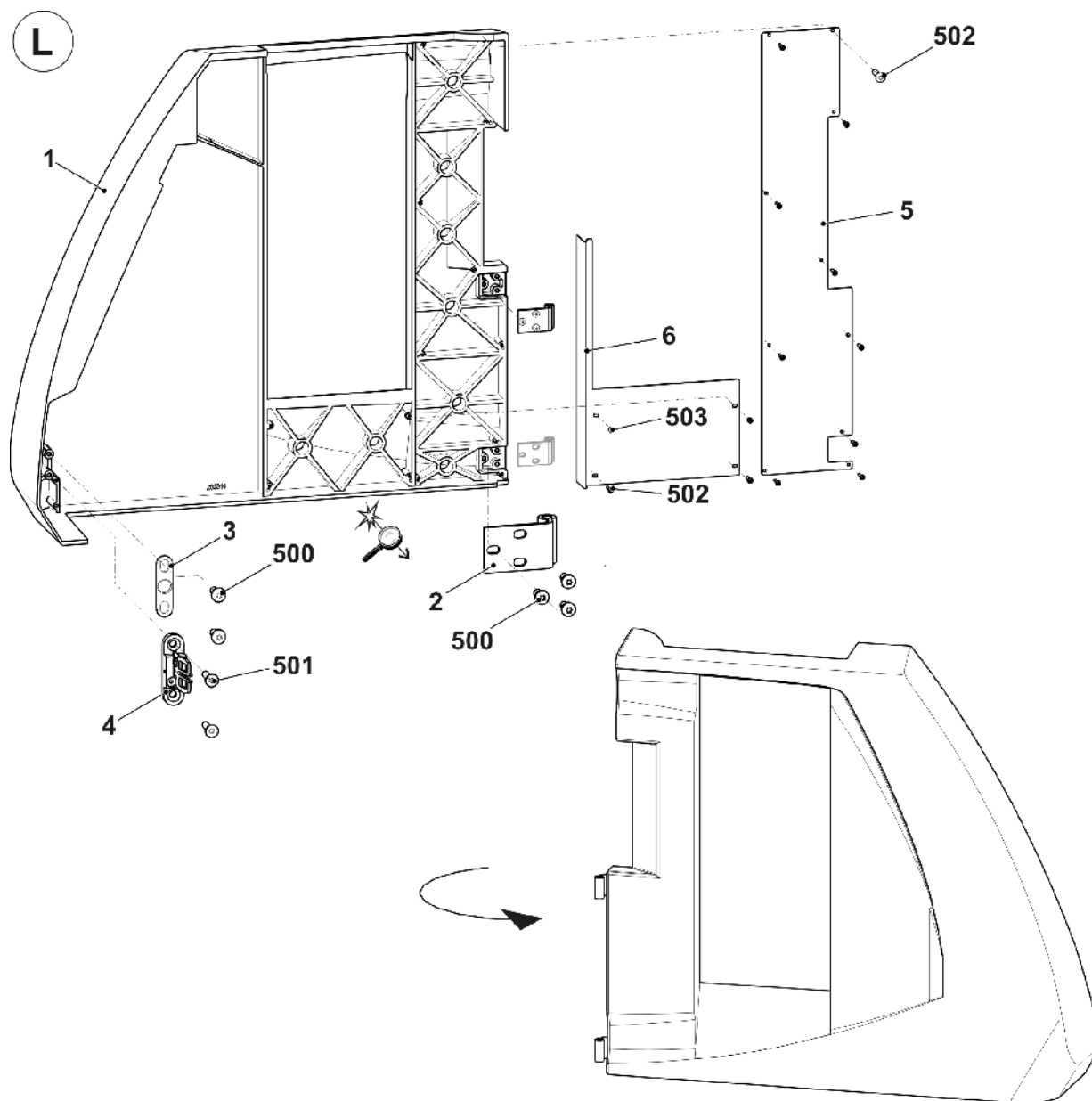
16.5 Lateral yarn feeding

Pos	Designation	ID	Pos	Designation	ID
Σ	Lateral yarn feeding on the left complete				
	E10–E18	264 319	9	Yarn deflector	264 545
	E7 E8 E6.2	270 426	9a	Support	264 456
	E5	270 425	9b	Axle	264 457
Σ	Lateral yarn feeding on the right complete		9c	Yarn Carriers MH 6	200 127
	E10–E18	266 239	10	Cable AKF ADF XR161 left	264 028
	E7 E8 E6.2	270 427	11	Cable AKF ADF XR162 right	264 029
	E5	270 424	500	Pan head screw M5x12	023 262
1	Safety door on the left complete	263 320	501	Serrated lock washer J 5,3	022 489
2	Safety door on the right complete	263 321	502	Cap screw M4x10	023 136
3	Left support complete		503	Eyelet	265 176
	E10–E18	263 305	504	Washer 4	258 495
	E7 E8 E6.2	268 502	505	Hexagon nut M6	020 835
	E5	268 491	506	O-ring 6x3	022 856
4	Holder on the right complete				
	E10–E18	263 306			
	E7 E8 E6.2	268 503			
	E5	268 492			



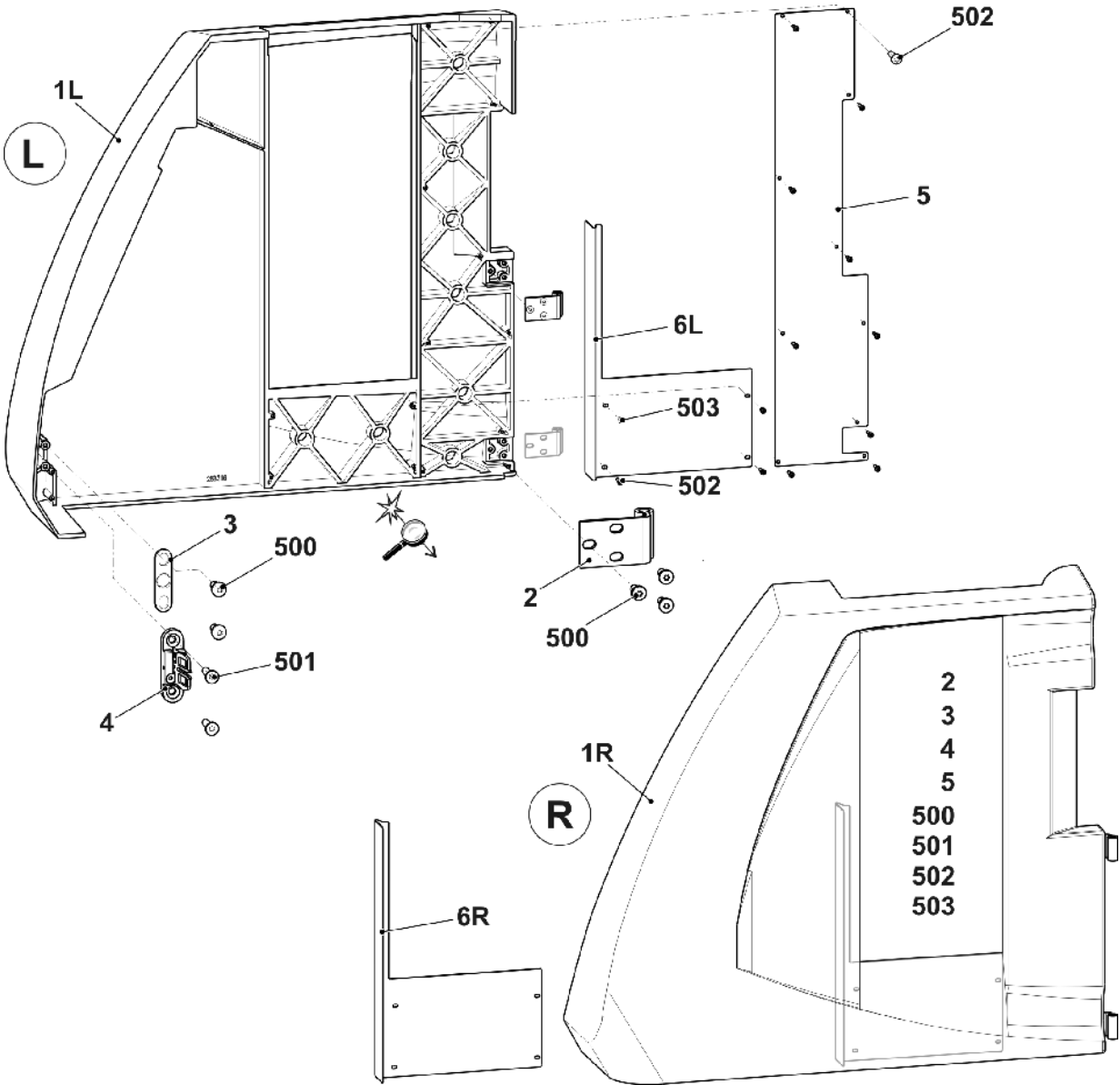
16.5.1 Safety door on the left

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



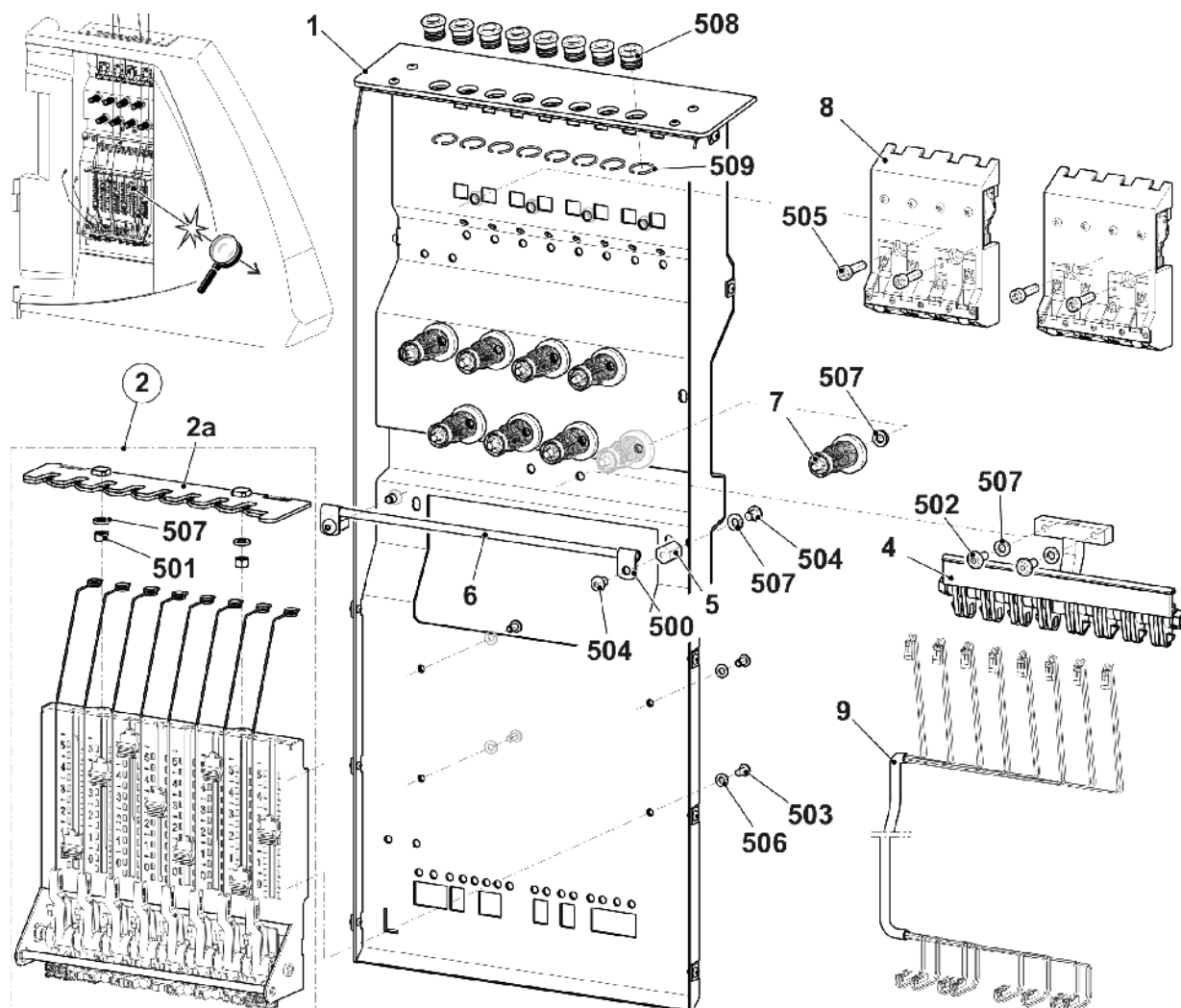
16.5.2 Safety door on the right

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



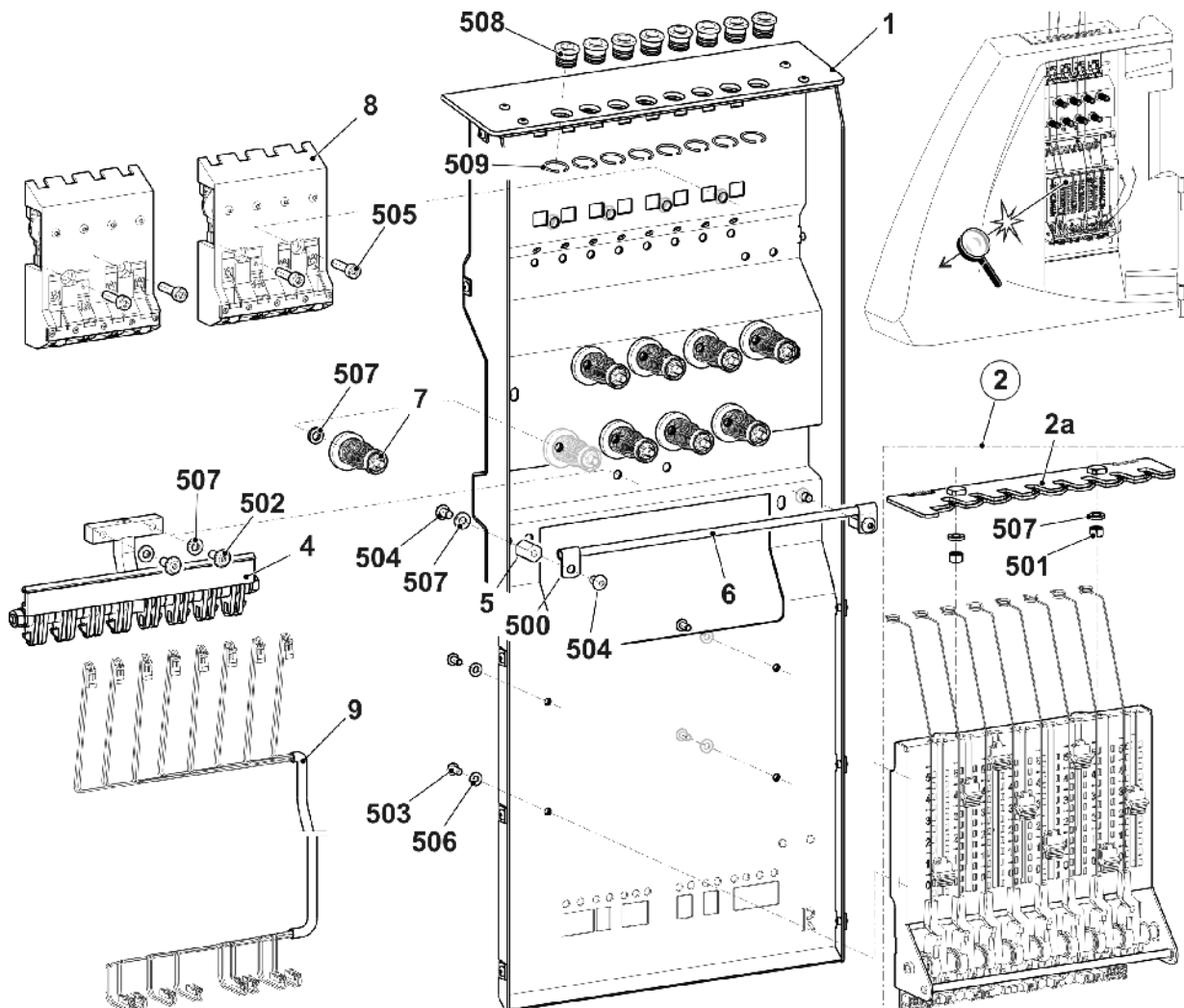
16.5.3 Left yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Left support complete				
	E10–E18	263 305	7	Yarn brake	
	E7 E8 E6.2	268 502		E10–E18	259 440
	E5	268 491		E5 E7 E8 E6.2	264 353
1	Left support	263 299	8	Thread clamp AKF	263 241
2	Yarn tensioner complete		9	Cover cable AKF	263 493
	E10–E18	263 294	500	Cable clip steel 4,8	258 495
	E7 E8 E6.2	268 504	502	Oval flange head screw M5x12	023 262
	E5	267 535	503	Pan head screw M4x8	023 579
	2a	Left fixation complete	504	Pan head screw M5x8	239 408
	501	Hexagon nut M5	505	Cap screw M5x20	020 133
	507	Serrated lock washer J 5,3	506	Serrated lock washer J 4,3	022 482
4	Yarn deflector complete	263 266	508	Eyelet 8	021 504
5	Distance bolt	263 302	509	Snap ring A 12	020 996
6	Shaft	263 301			



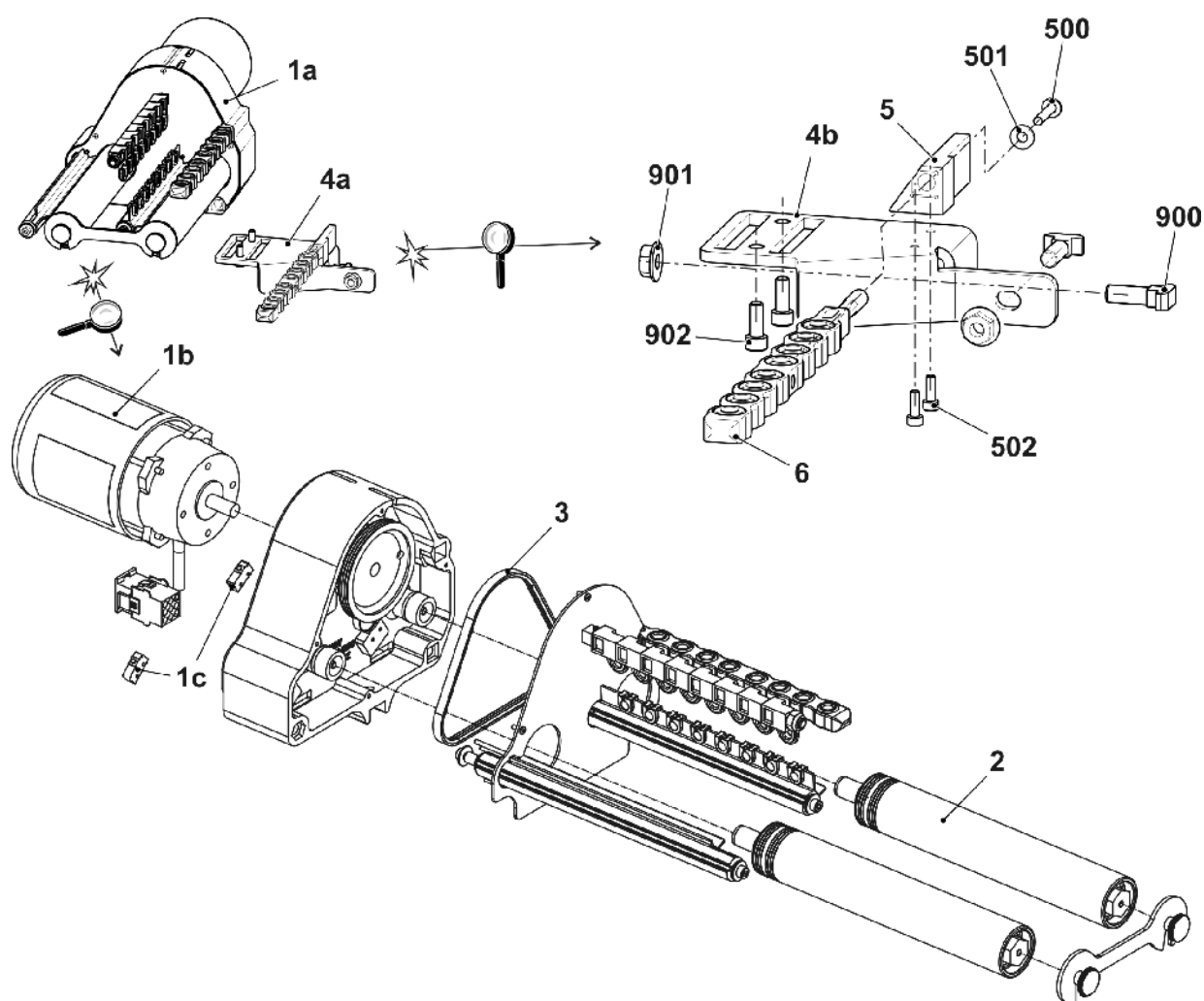
16.5.4 Right yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Right support complete				
	E10–E18	263 306	7	Yarn brake	
	E7 E8 E6.2	268 503		E10–E18	259 440
	E5	268 492		E5 E7 E8 E6.2	264 353
1	Right support complete	263 300	8	Thread clamp AKF	263 241
2	Yarn tensioner complete		9	Cover cable AKF	263 493
	E10–E18	263 294	500	Cable clip steel 4,8	258 495
	E7 E8 E6.2	268 504	502	Oval flange head screw M5x12	023 262
	E5	267 535	503	Pan head screw M4x8	023 579
2a	Left fixation complete	263 186	504	Pan head screw M5x8	239 408
501	Hexagon nut M5	020 835	505	Cap screw M5x20	020 133
507	Serrated lock washer J 5,3	022 489	506	Serrated lock washer J 4,3	022 482
4	Yarn deflector complete	263 266	508	Eyelet 8	021 504
5	Distance bolt	263 302	509	Snap ring A 12	020 996
6	Shaft	263 301			



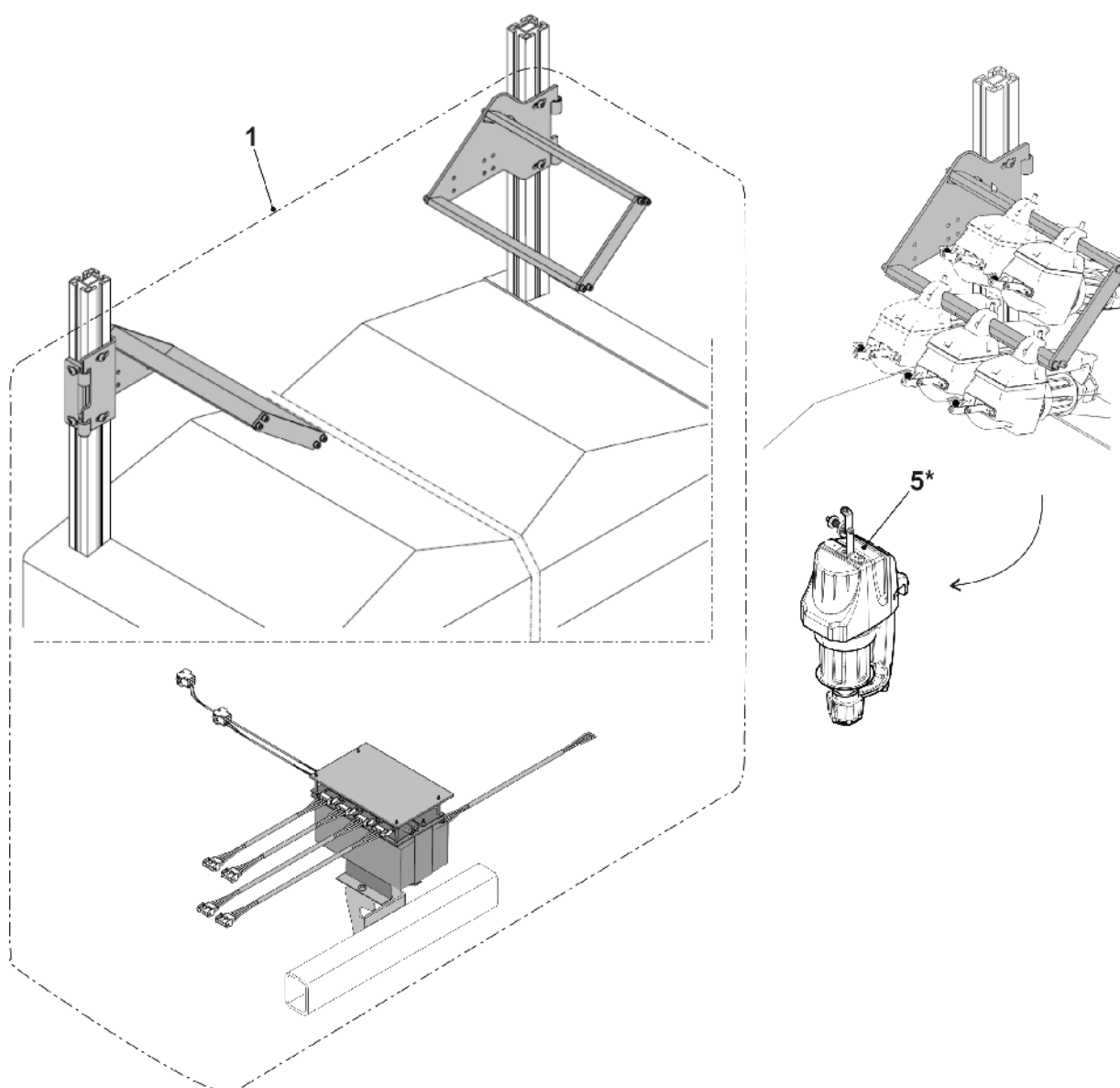
16.5.5 Friction feed wheel complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Friction feed wheel on the left complete	264 985	4a	Left support complete	265 152
	Friction feed wheel on the right complete	264 986		Right support complete	265 153
1a	Friction feed wheel on the left	269 403	4b	Support of left feed wheel	263 515
	Friction feed wheel on the right	269 398		Support of right feed wheel	263 516
	1b Three-phase AC motor complete	219 800	5	Adaptor on the left	264 308
	1c Micro Switches	008 664		Adaptor on the right	264 309
2	Friction roller complete	269 400	6	Yarn guide rod complete	239431
3	Ribbed V-belt V3J 406	206 927	500	Screw KB40x25	241 595
			501	Washer 4	020 870
			502	Cap screw M4x12	022 664
			900	T-head bolt M8x25	022 866
			901	Serrated nut M8-10	023 026
			902	Cap screw M6x16	020 135



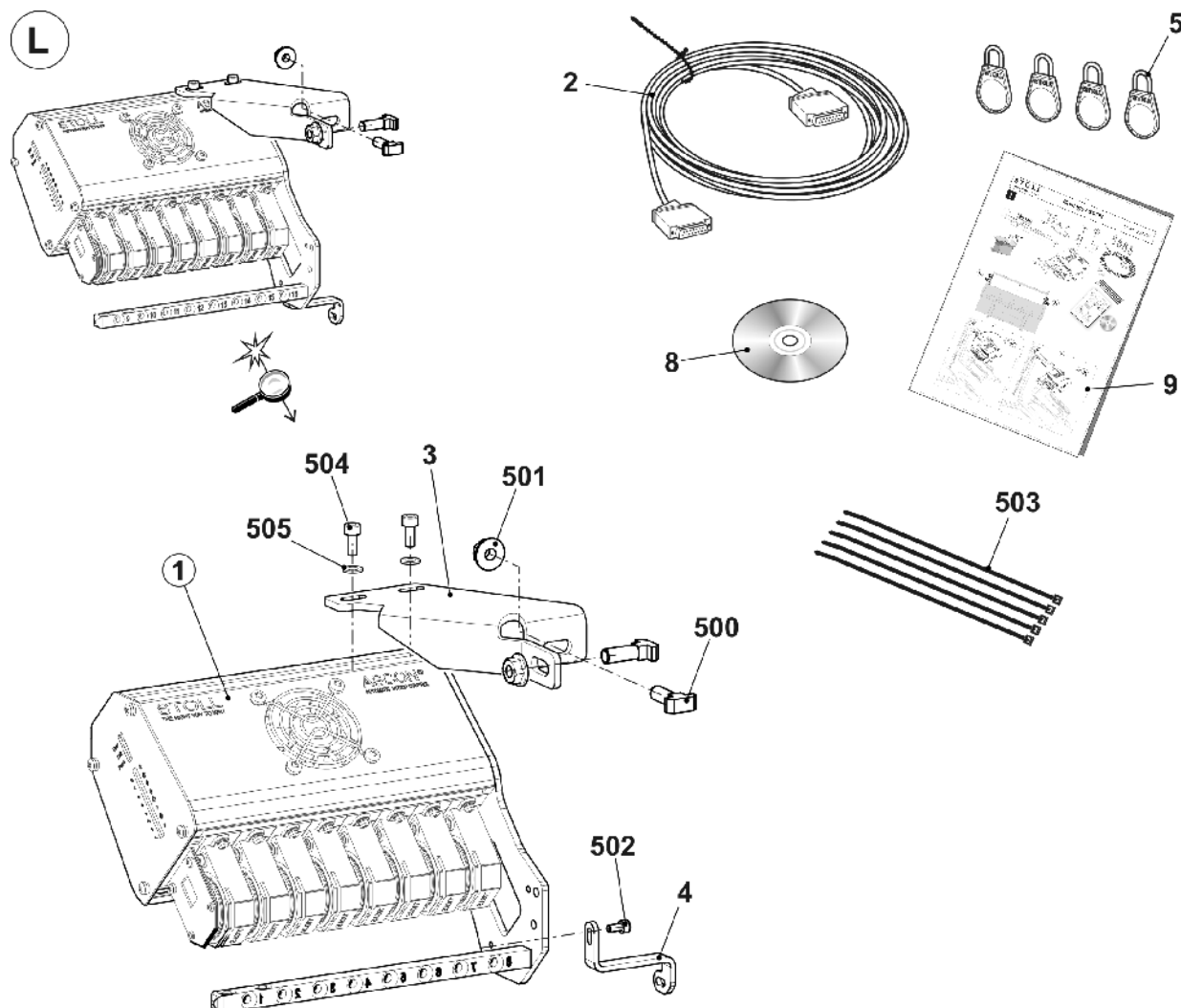
16.6 Storage feed wheel MSF-3 ADF

Pos	Designation	ID	Note
Σ	Assembly kit MSF-3 complete ADF	267 360	Please order the MSF-3 spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Tel.: +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.
5*	Storage feed wheel	259 604	



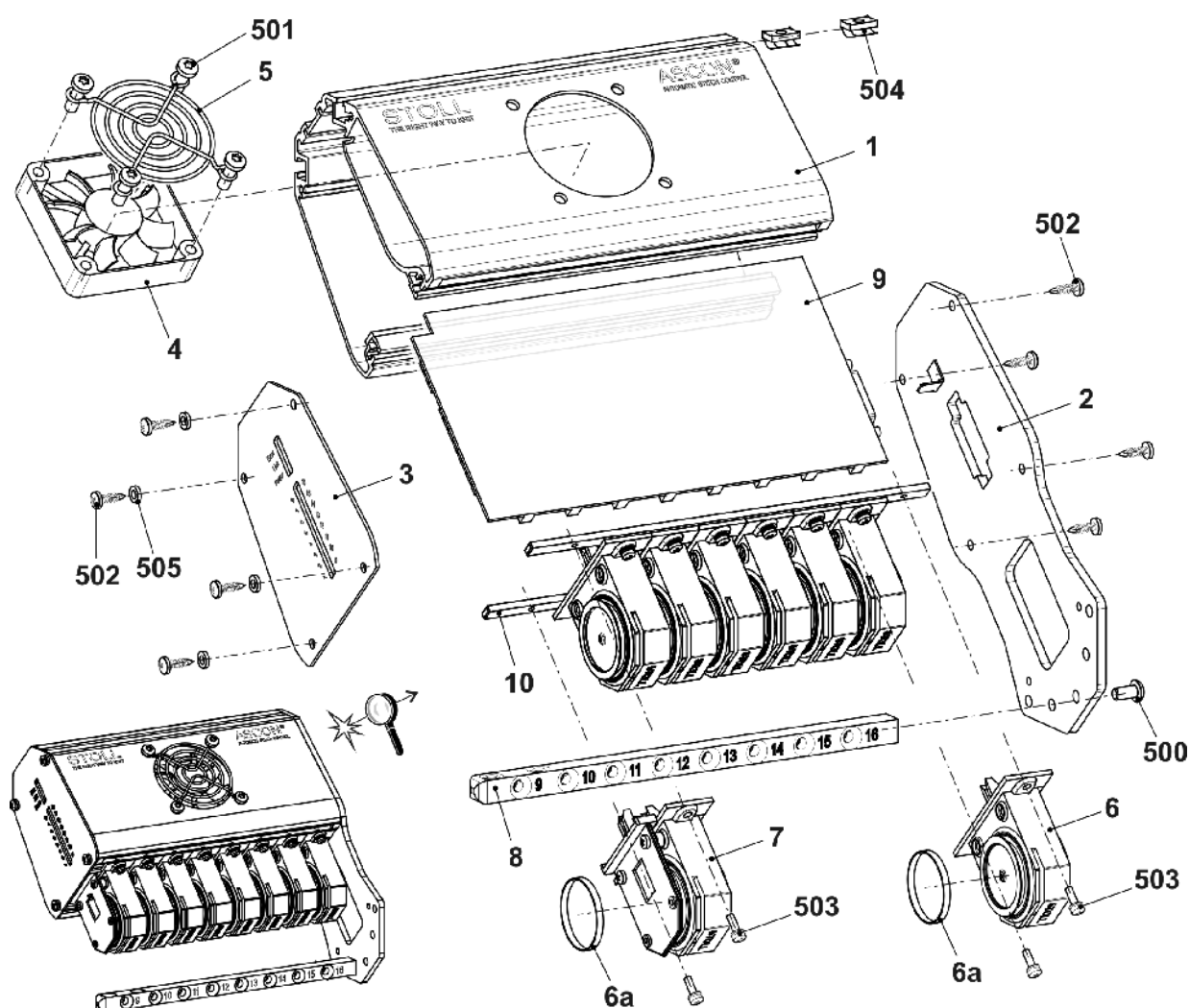
16.7 Yarn length measuring device on the left complete

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



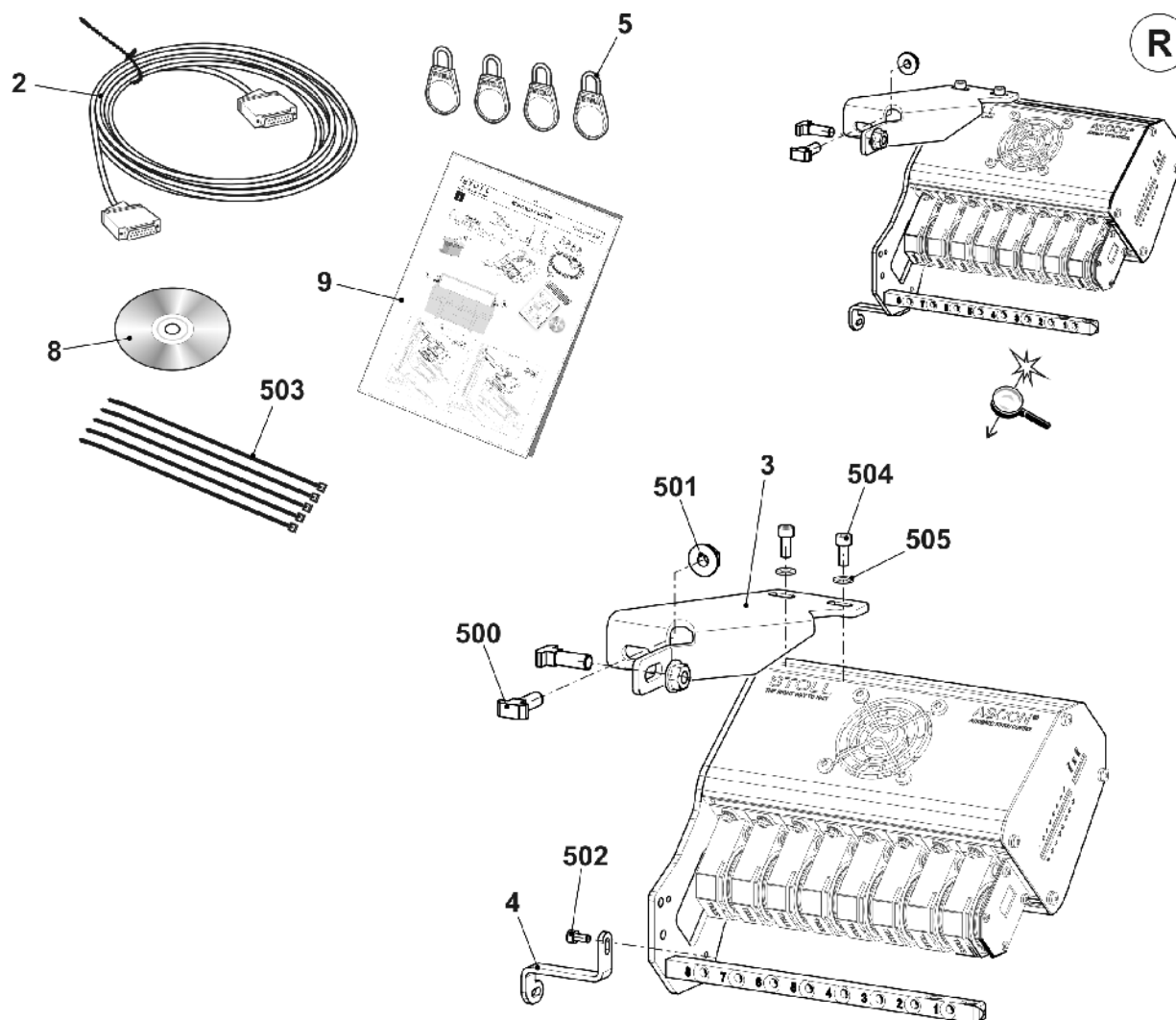
16.7.1 Yarn length measuring device

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



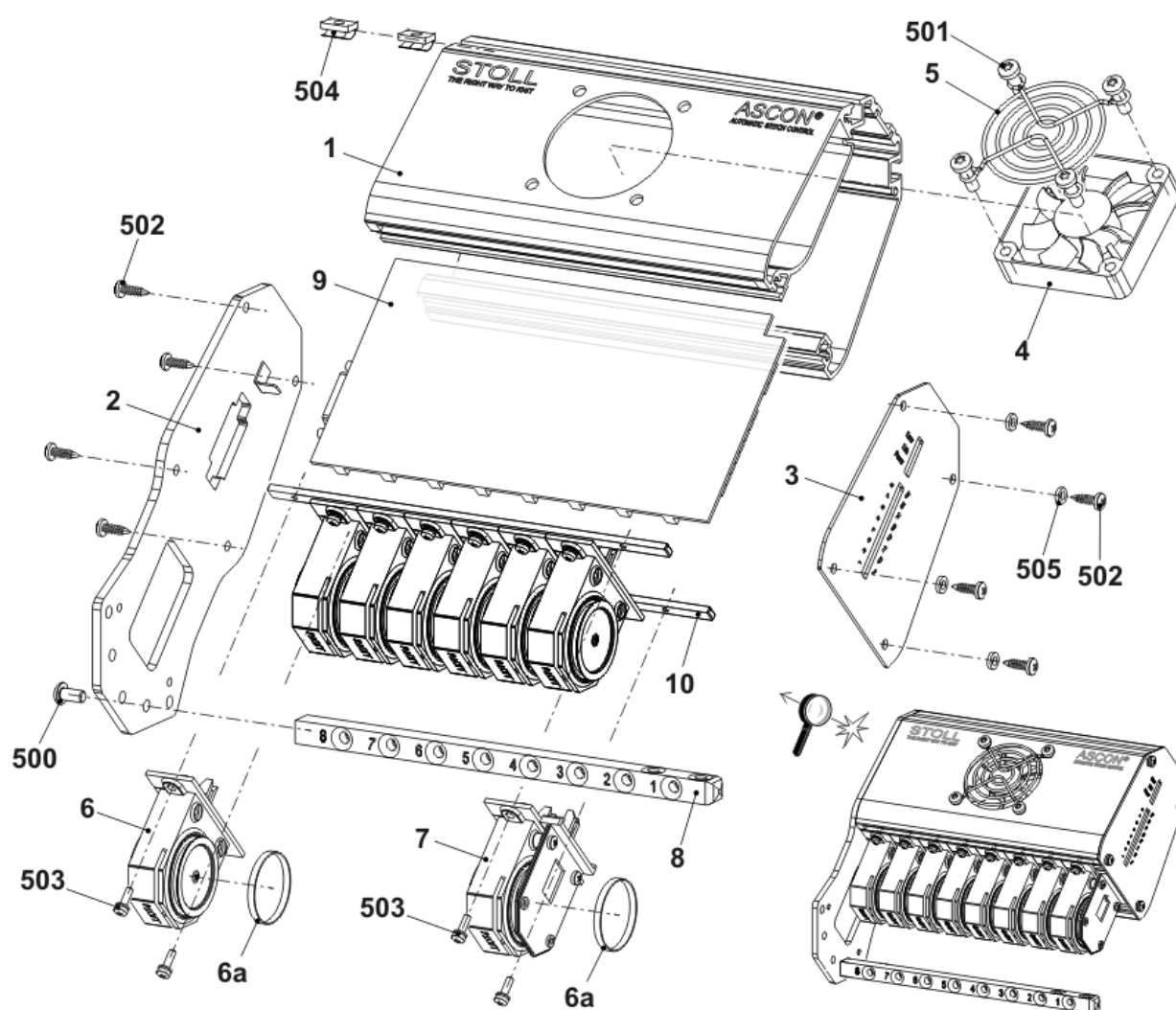
16.8 Yarn length measuring device on the right complete

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



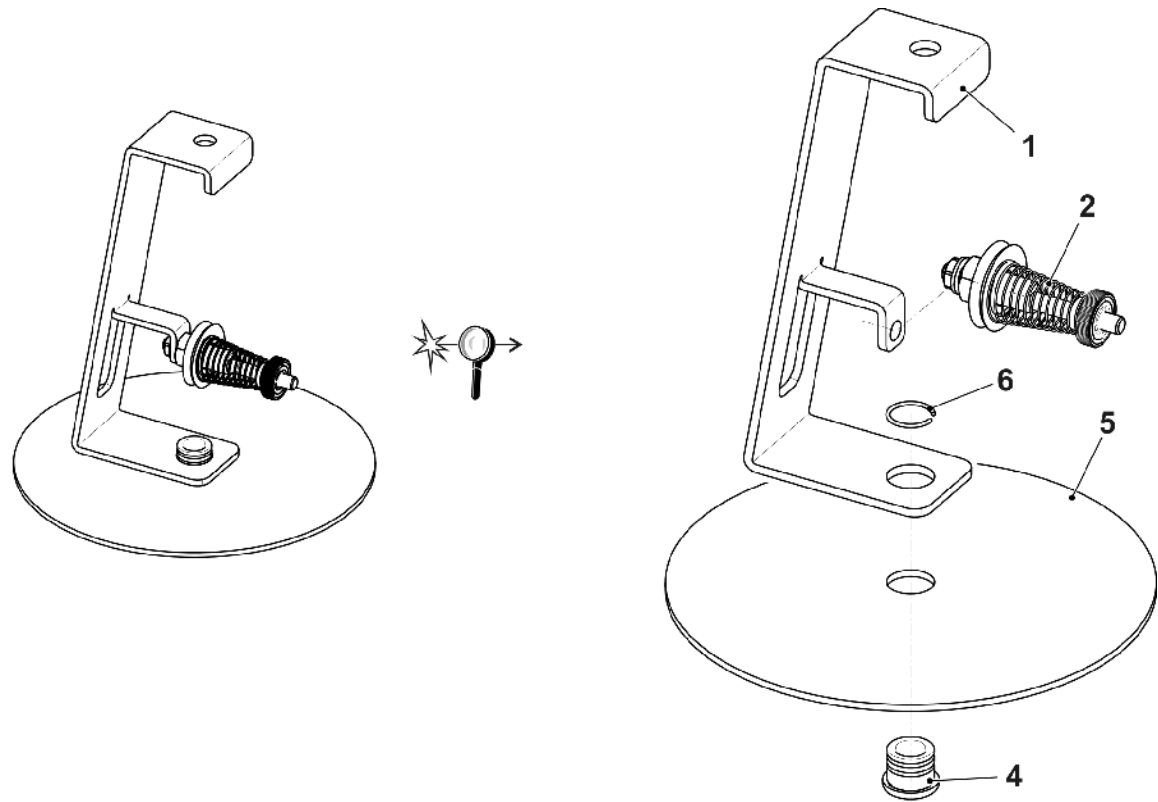
16.8.1 Yarn length measuring device on the right

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



16.9 Yarn brake

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn brake	266 739	4	Eyelet 8	021 504
1	Support sheet	266 718	5	Disk D = 130	263 545
2	Yarn brake	259 440	6	Snap ring A 12	020 996



16.10 Adjusting plates

Pos	Designation	Id	Pos	Designation	Id
Σ1	Yarn carrier adjusting plate set	266 736			
12	Adjusting plate E16-18	265 064	17	Adjusting plate V 0,25	267 253
13	Adjusting plate E3-4	265 061	18	Adjusting plate V 0,5	258 199
14	Adjusting plate E10-14	265 063	19	Adjusting plate V 1	258 200
15	Adjusting plate E2,5.2-8	265 062	20	Adjusting plate V 1,5	258 201

