

STOLL

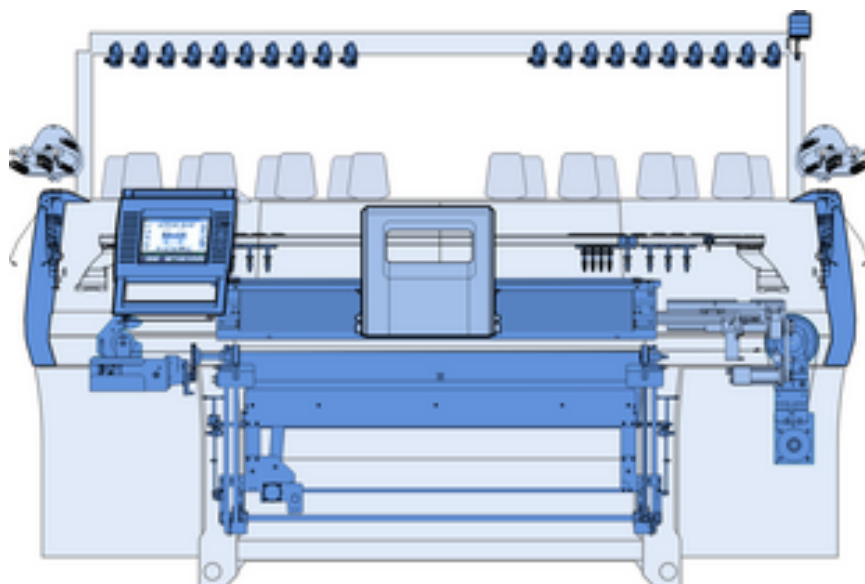
THE RIGHT WAY TO KNIT

Spare-parts catalog

CMS 520C (Type 629)

Component type 002

E3 | E3,5 | E4



Document-no. 257123_02_GB

Release 05/2011

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1 Introduction

Imprint

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

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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.

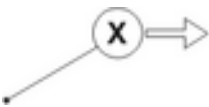
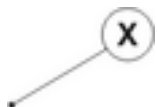
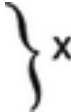
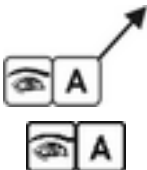
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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
Σ	Indicates an assembly
	Position indicator with the position number (X).
	Indicates an element of another assembly.
	Indicates an assembly which is represented more detailed beside.
	Indicates an assembly which is represented on another page more detailed.
	Screw torques (z) deviating from the preferential row.
	Detail, represented enlarged in the direction of the arrow.
	Explosion representation, single elements enlarged.
	Indicates a group of parts.
	Indicates the left-hand side or view.
	Indicates the right-hand side or view.
	Indicates a section or a view in the viewing direction.

1.2 Torques

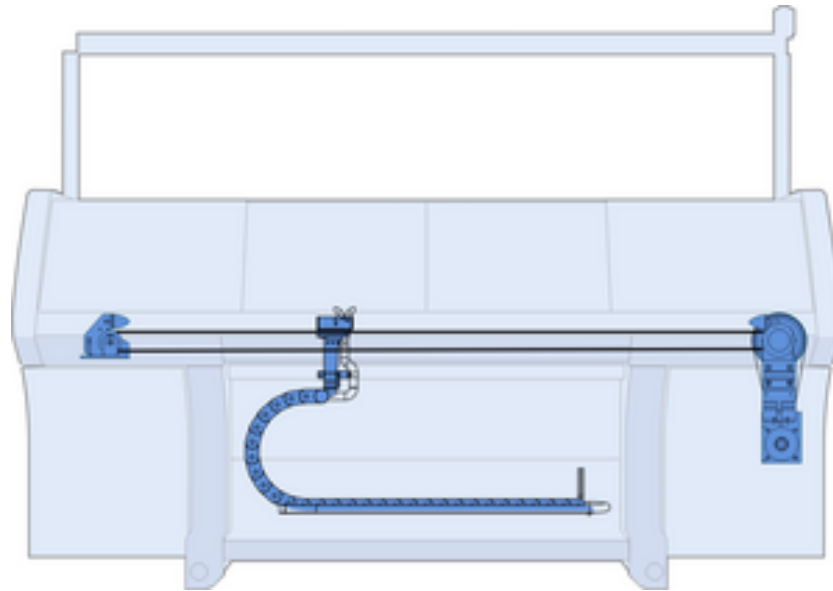
Drehmomente Torques Couples Coppias Momentos de rotación		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clasas de resistencia		
[Nm] ± 10 % (für $\mu_{ges} = 0,12$)		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filetto regolatore Filete regulador	M3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

Preferential row of screw torques

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

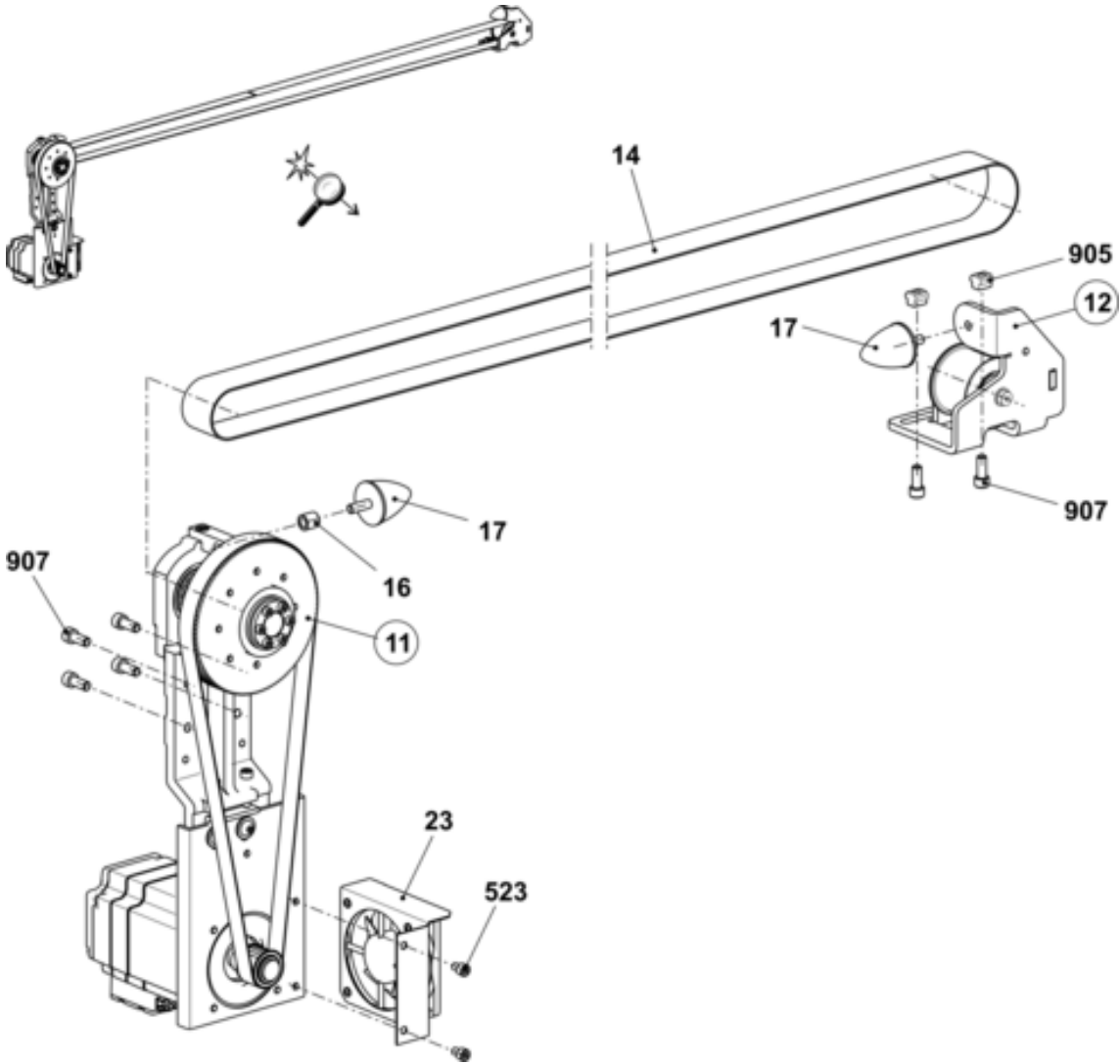
Notes:

2 Carriage drive



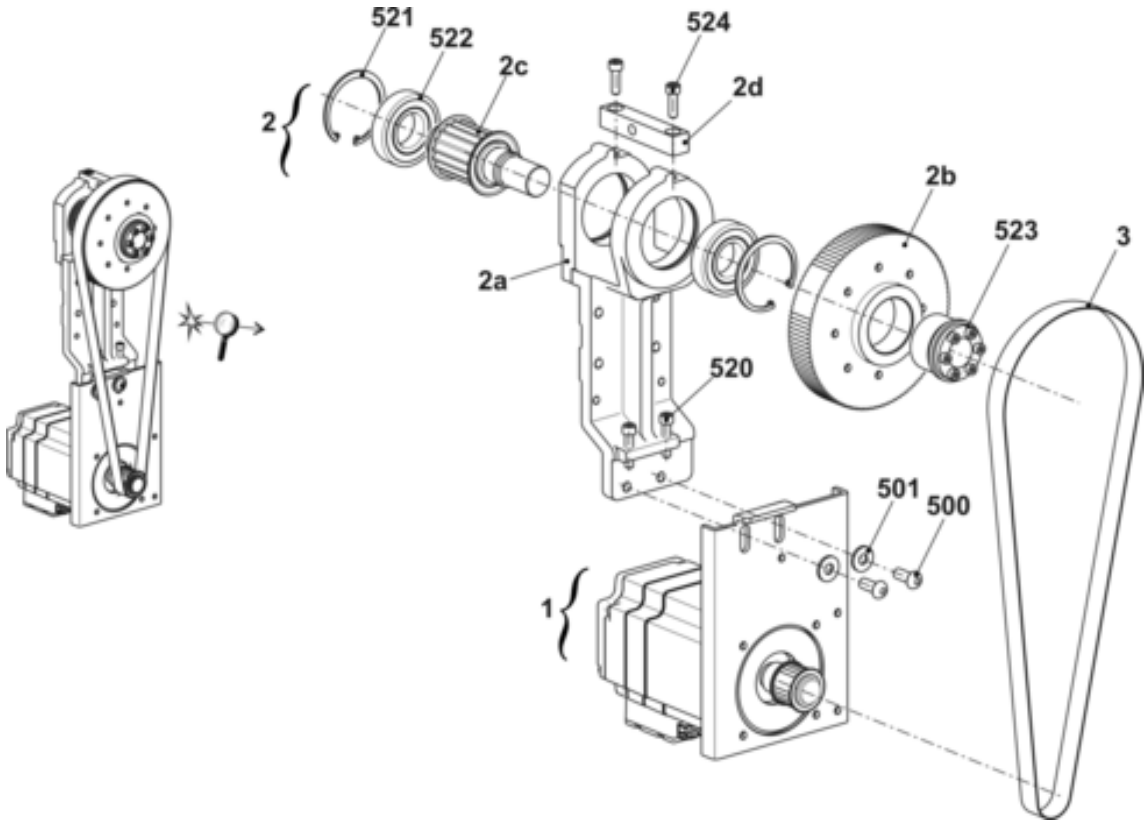
2.1 Drive

Pos	Designation	Id		Pos	Designation	Id
Σ	Drive unit			17	Parabolic spring	200 661
11	Drive unit complete	253 877		23	Fan complete	253 692
12	Tension bearing complete	251 581		523	Cap screw M8x12	023 138
14	Toothed belt50AT10/4670	253 890		905	NutM10x12	023 471
16	Spacer pipe	222 099		907	Cap screw M10x25	020 157



2.1.1 Motor and belt drive

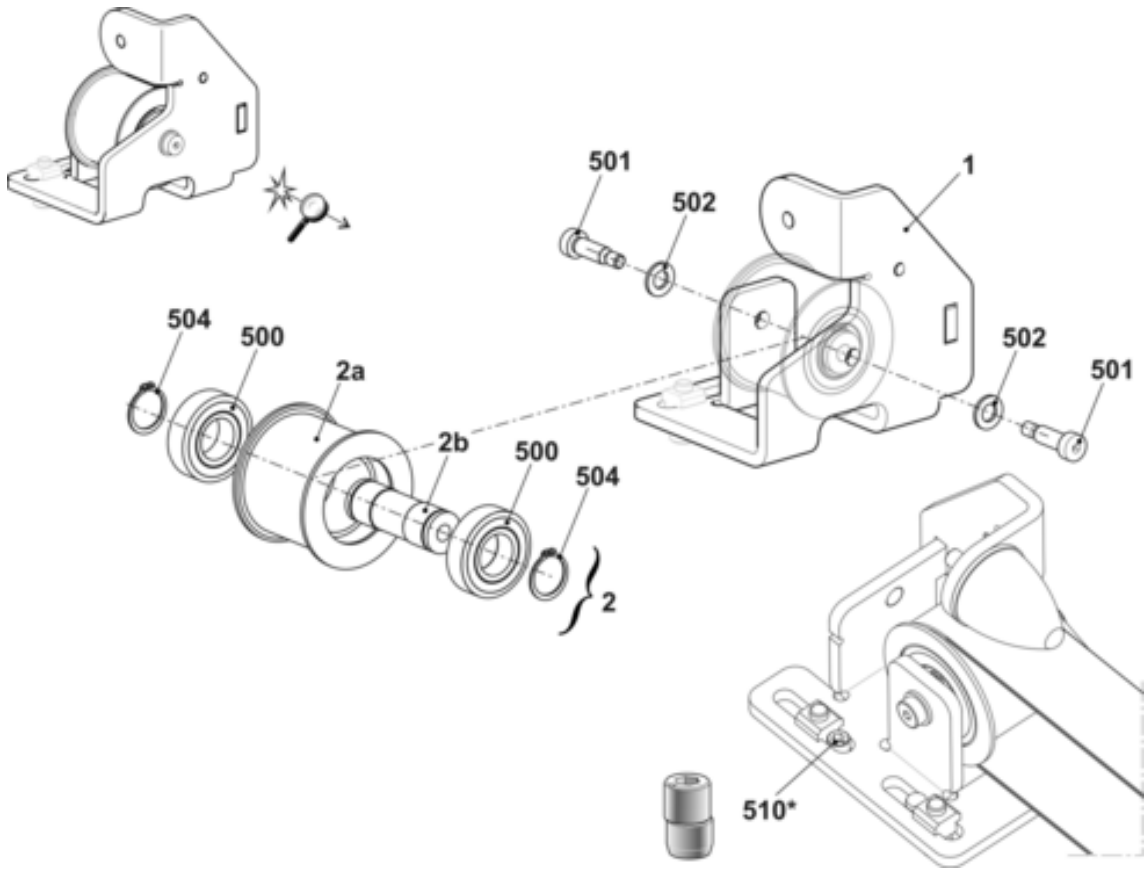
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive unit complete	253 877				
1	Drive unit	258 188				
2	Drive bearing complete	255 005				
	2a Drive bearing	252 634		521	Locking ring68x2.5	022 914
	2b Toothed belt pulley	240 616		522	Grooved ball bearing 6207-2RS	022 915
	2c Pinion57 AT10 18	242 039		523	Tension set 30X55	023 208
	2d Support of buffer	222 100		524	Cap screw M8X25 12.9	020 142
	520 Cap screw M8X35	020 144		3	Toothed belt	252 594
				500	Pan-head screw M10X25	023 684
				501	Disk10,5X25X2,5	022 178



2.1 Drive

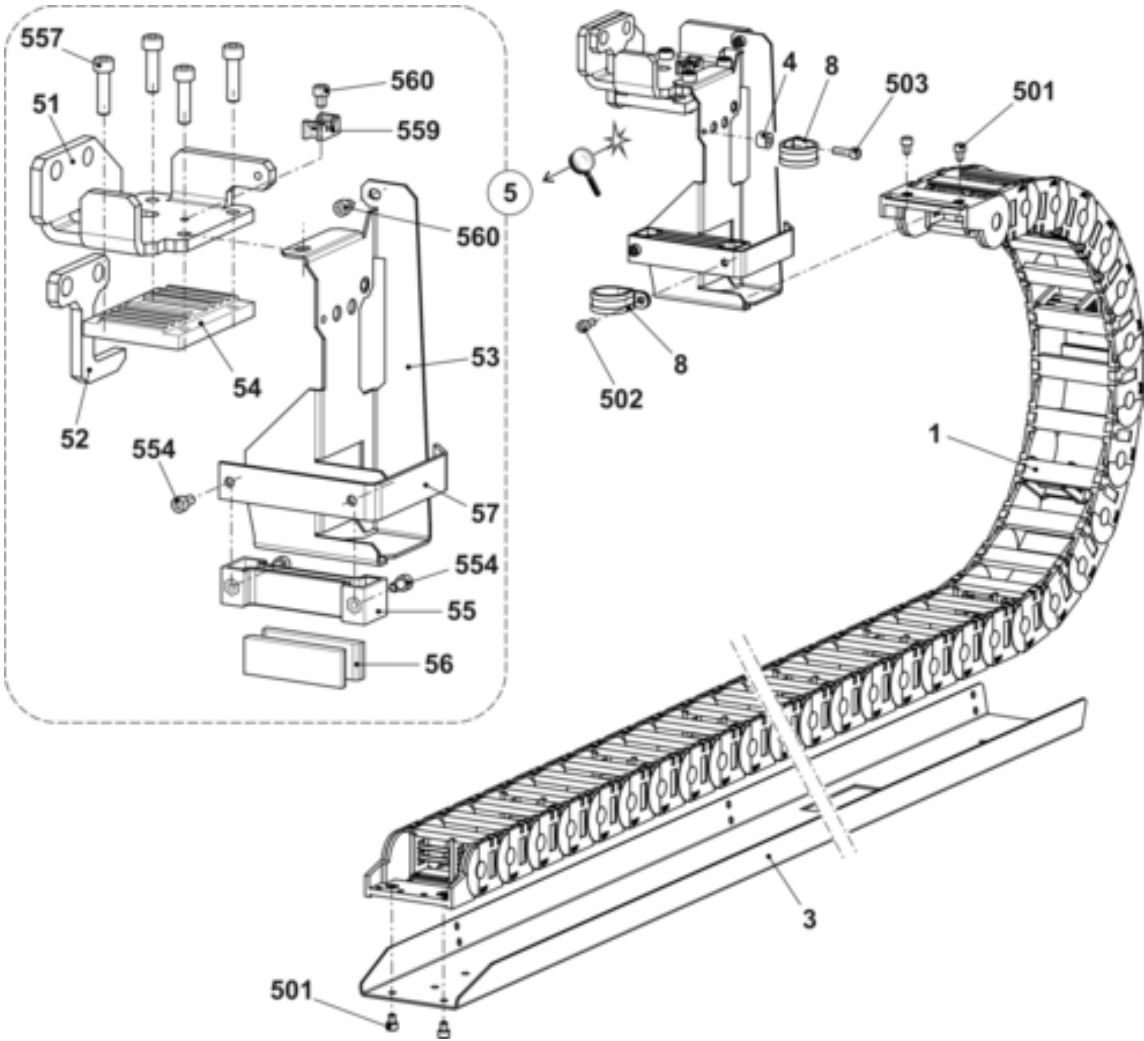
2.1.2 Tension bearing

Pos	Designation		ID		Pos	Designation		ID
Σ	Tension bearing complete		251 581		2	500	Grooved ball bearing625-6305-2RS	255 686
1	Tension bearing		251 560			504	Locking ring 471-25x1,2	251 617
2	Tension roller complete		256 640		501	Cap screw M10x25		023 751
	2a	Tension roller	255 684		502	Washer		020 874
	2b	Axle	251 579		510*	Eccentric		255 499



2.2 Energy chain and plunger

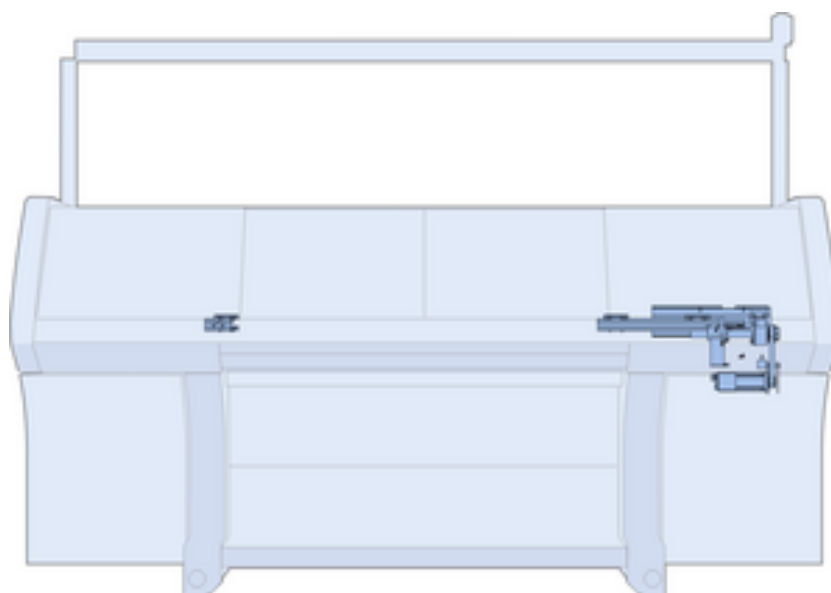
Pos	Designation	ID	Pos	Designation	ID
1	Energy chain 30 links	259 234	5	Continuation carriage driver complete	
3	Depositing gutter	259 275	53	Cable driver carriage driver	258 378
4	Threaded spacer	214 584	54	Clamping plate	252 592
8	Hose clip	214 653	55	Cable holder	204 688
501	Cap screw M6x8	023 411	56	Cellular caoutchouc black	202 597
502	Cap screw M6x16	020 135	57	Cover strip	258 379
503	Cap screw M6x20	020 136	554	Cap screw M6x12	020 134
5	Carriage driver complete	258 392	557	Cap screw M8x30	020 143
51	Carriage driver	258 380	559	Fixing element	026 489
52	Switch flag carriage driver	258 381	560	Cap screw M6x8	023 411



2.2 Energy chain and plunger

Notes:

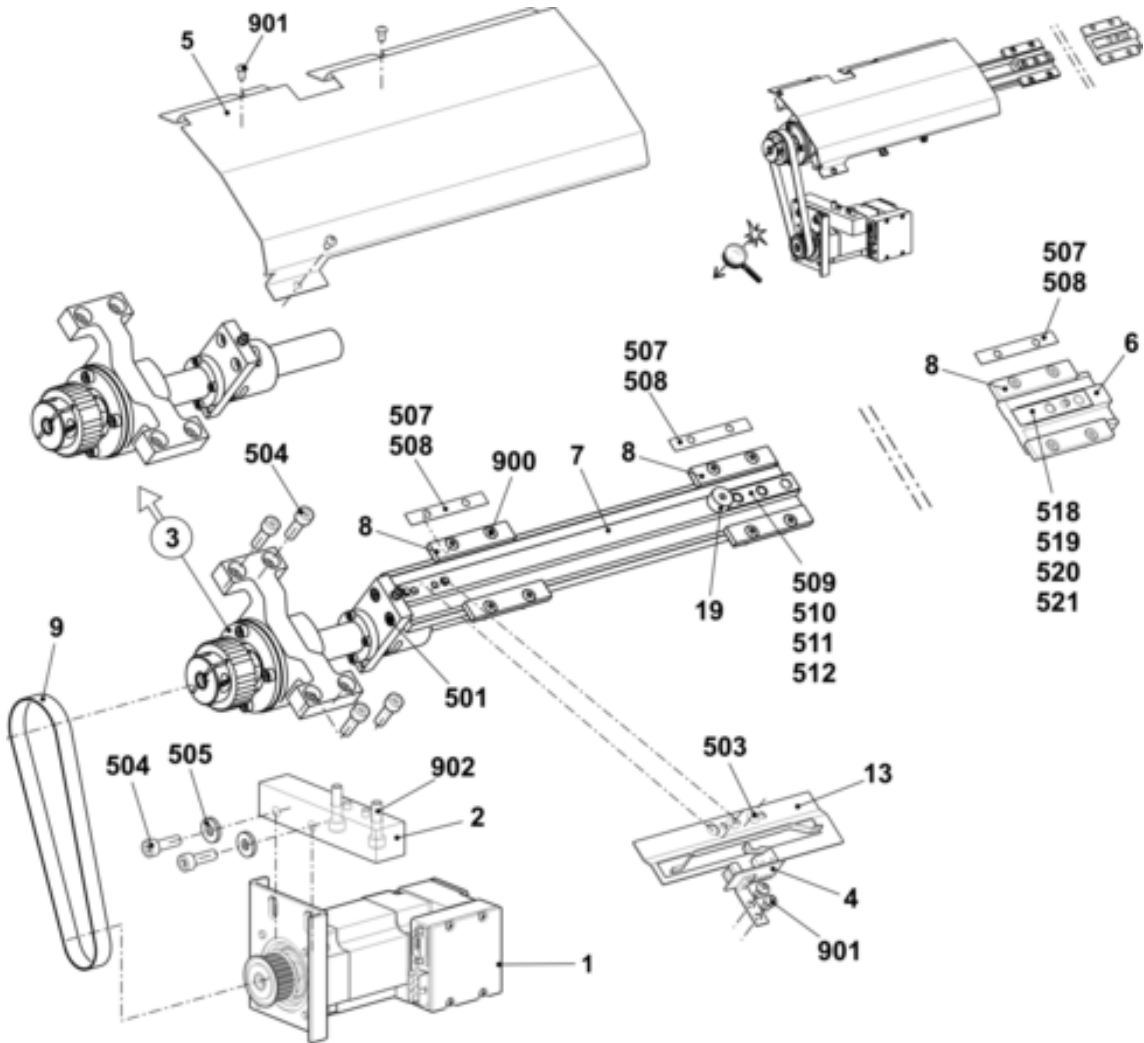
3 Racking



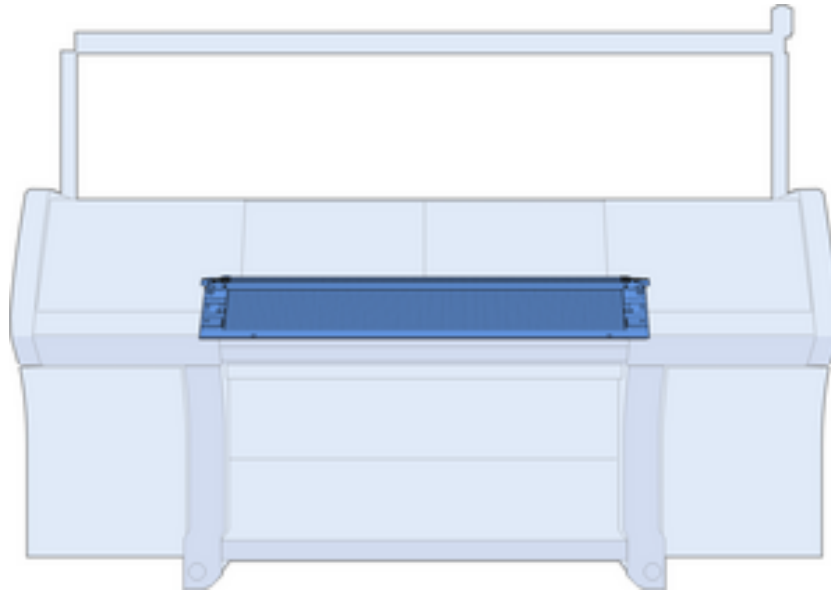
3.1 Racking drive

3.1 Racking drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Racking				
1	Three-phase AC servo motor racking complete	258 192	505	Washer8,4X20X3	022 175
2	Bearing	227 605	507	Shim0,03x11x80	023 286
3	Spindle bearing	253 262	508	Shim0,05x11x80	023 287
4	Card racking limit switch	229 396	509	Shim0,03x15x85	023 162
5	Racking cover plate	240 721	510	Shim0,05x15x85	023 163
6	Racking strip on the left	240 696	511	Shim0,1x15x85	023 164
7	Racking strip	240 690	512	Shim0,2x15x85	023 170
8	Guide strip	206 382	518	Shim0,03x15x75	023 395
9	Toothed belt150 S 5M 490	229 281	519	Shim 0,05x15x7	023 396
13	Switch plate	240 722	520	Shim0,1x15x75	023 397
19	Stop screw	221 386	521	Shim0,2x15x75	023 398
501	Cap screw M6x16	023 116	900	Cap screw M6x12	022 795
503	Pan-head screw M6x10	023 183	901	Pan-head screw M6x10	023 183
504	Cap screw M8x25	020 142	902	Cap screw M8x30	020 143



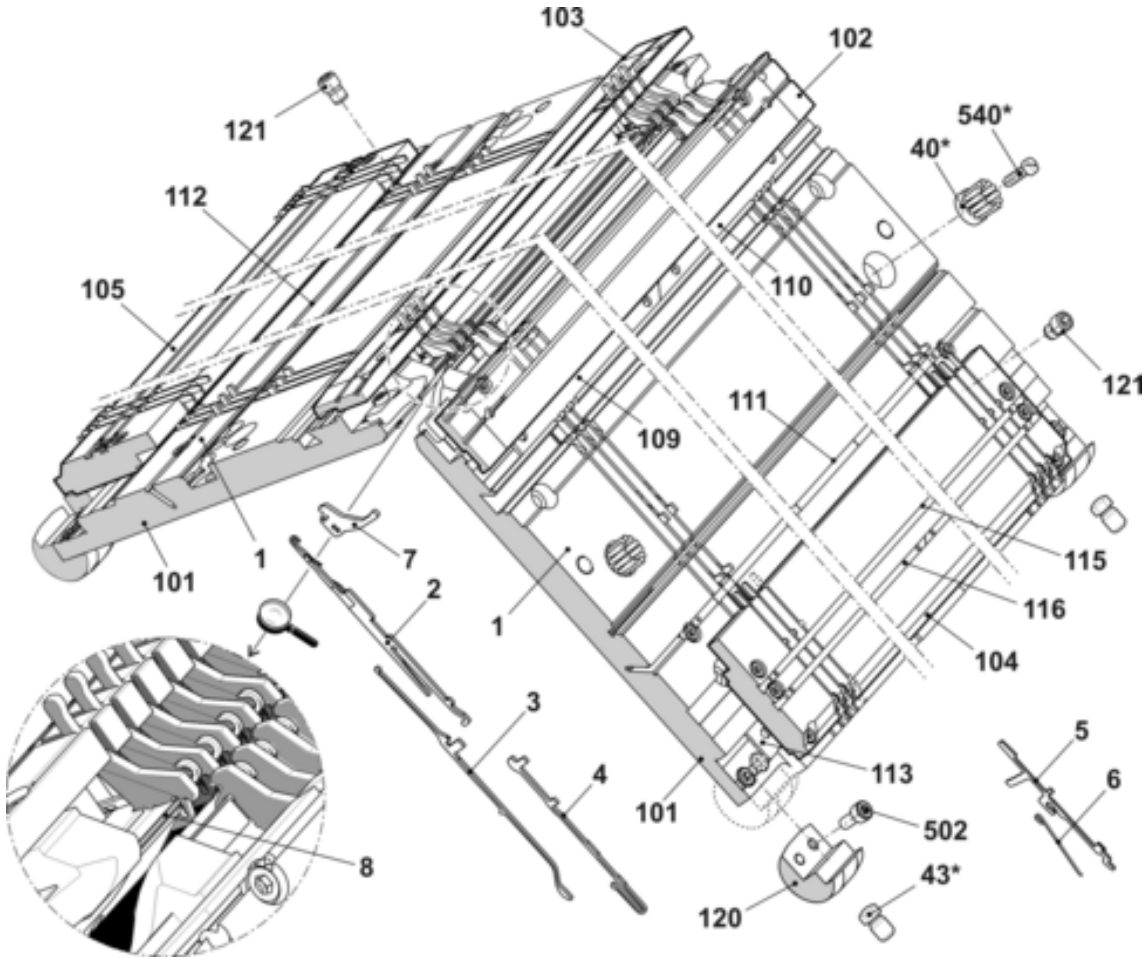
4 Needle beds



4.1 Needle bed E3

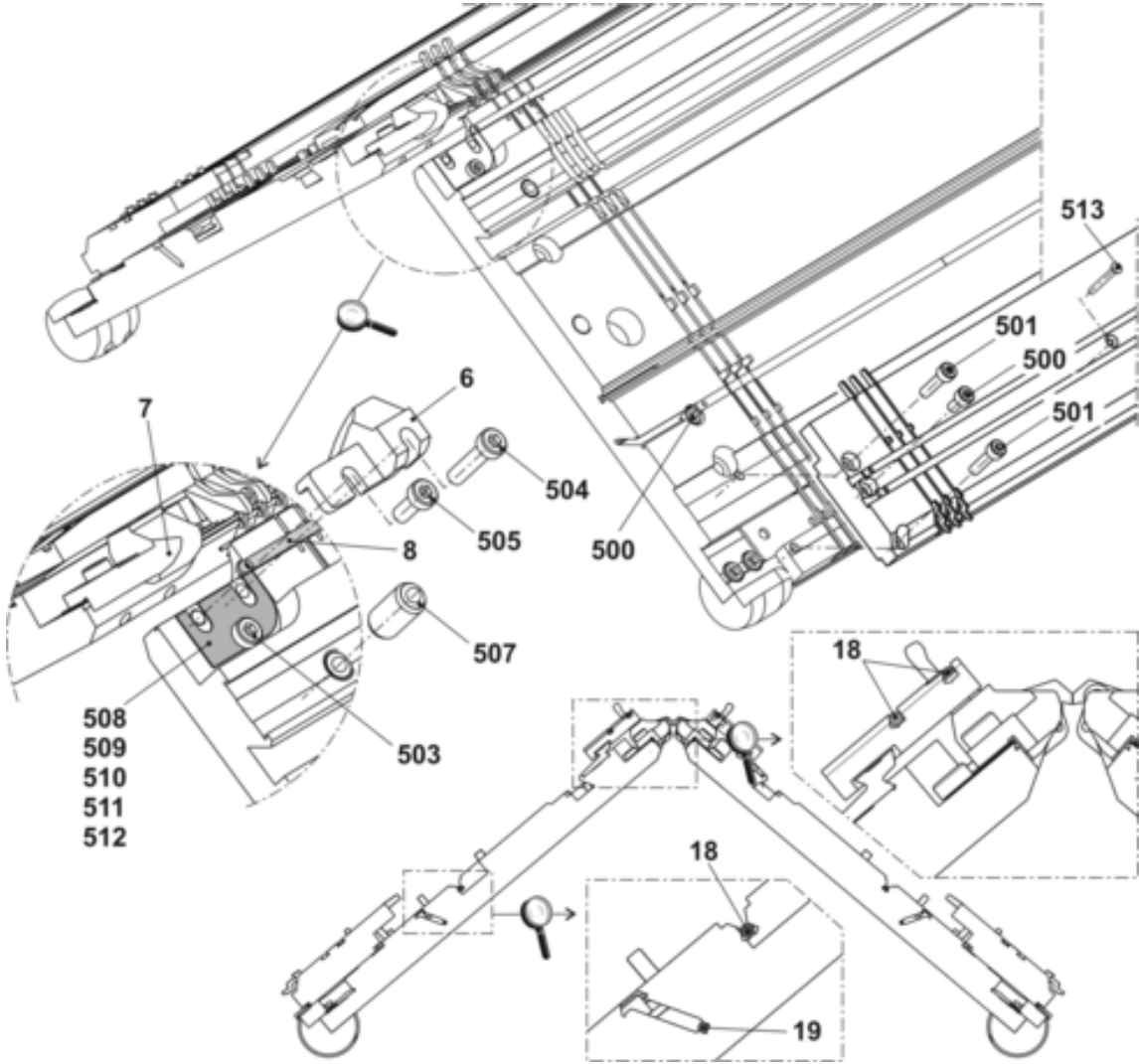
4.1 Needle bed E3

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rearE3	243 178			
1	Needle bed at the front and rear EPTE3	243 175	1	120 Support	241 339
101	Needle bed at the front + rearE3	243 144	121	Eccentric	204 603
102	Holding-down jack bed frontE3	243 147	502	Cap screw M6x14	022 658
103	Holding-down jack bed rear E3	243 150	2	Needle E3-4	213 389
104	Selection jack bed at the front E3	243 155	3	Coupling part E3-4	213 348
105	Selection jack bed at the rear E3	243 158	4	Intermediate slider E3-4	218 799
109	Needle bar on the left	213 998	5	Selection jack E3-4	213 372
110	Needle bar on the right	213 999	6	Selector spring E4-8	200 690
111	Cover rail at the front E3	213 724	7	Holding-down jack E3	206 894
112	Cover rail at the rear	213 981	8	Locating wire D=1,0 1294 mm	213 717
113	Spring slide	243 153	40*	Disk brush	235 612
115	Cover rail	213 762	43*	Adjusting bolt	240 765
116	Cover rail	213 763	540*	Cap screw M5x12	020 032



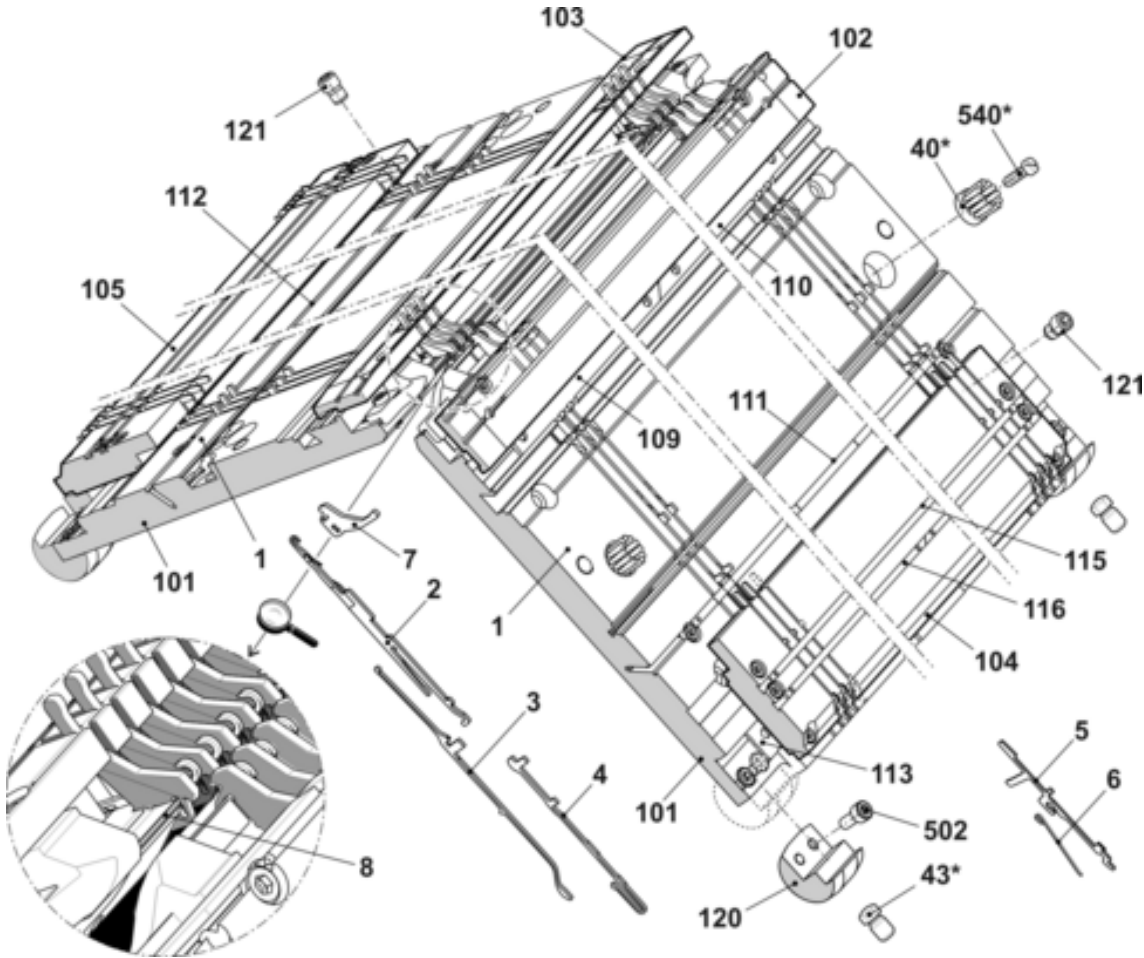
4.1.1 Continuation needle bed E3

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed at the front and rear EPT E3	243 175		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343		504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344		505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712		507	Springy thrust pieceB-M10	023 177
18	Locating wire D=2,8 1290 mm	213 983		510	Shim0,05x18,5x34	023 196
19	Spring steel wire D=2,0 1286 mm	213 996		511	Shim0,1x18,5x34	023 197
500	Cap screw M5x10	022 918		512	Shim0,2x18,5x34	023 253
501	Cap screw M5x20	020 133		513	Countersunk head screw M3x25-10.9	023 447



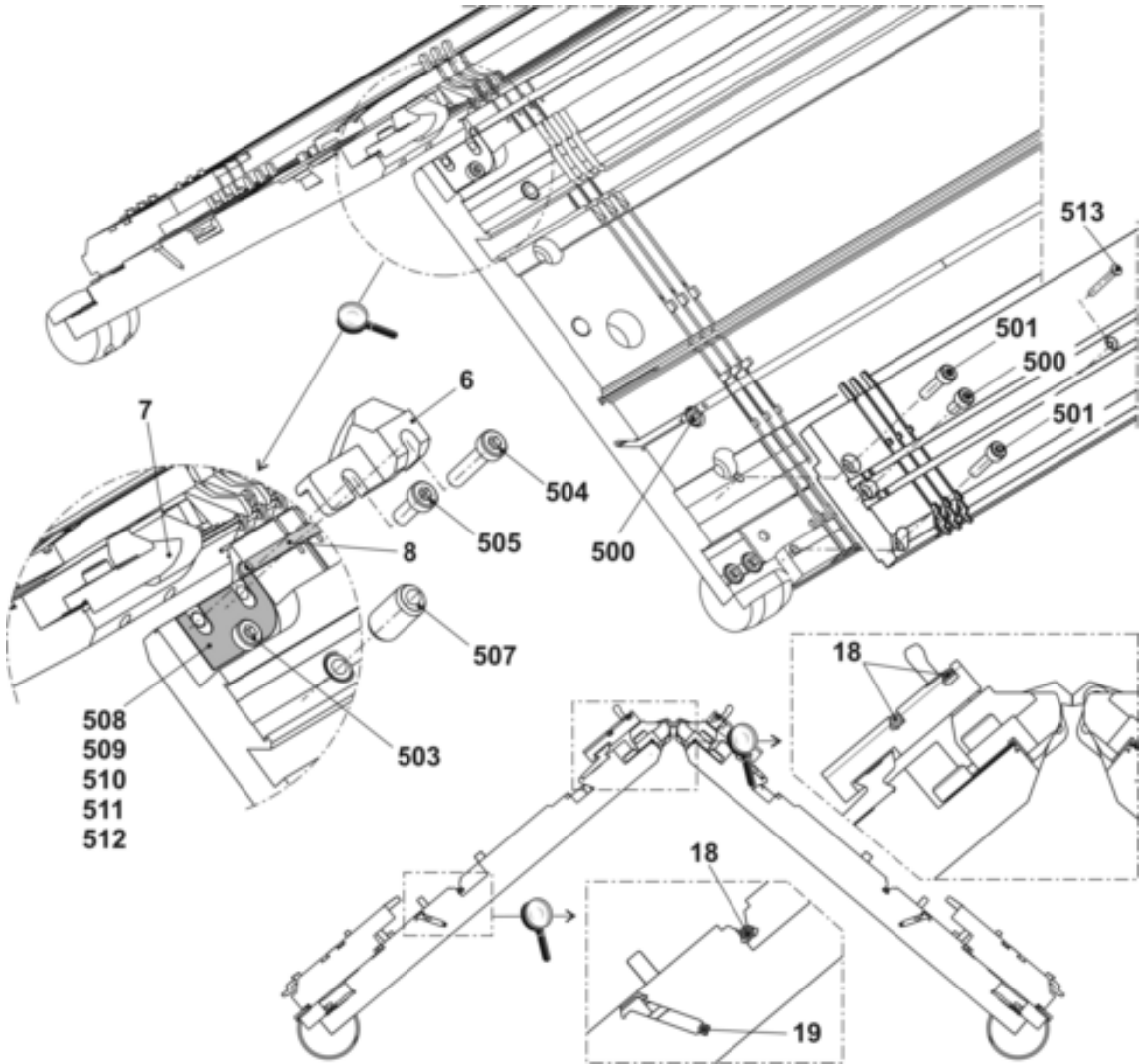
4.2 Needle bed E3,5

Pos	Designation		ID		Pos	Designation		ID
Σ	Needle bed complete at the front and rearE3,5		243 179					
1	Needle bed at the front and rear EPTE3,5		243 176		1	120	Support	241 339
	101	Needle bed at the front + rearE3,5	243 145			121	Eccentric	204 603
	102	Holding-down jack bed frontE3,5	243 148			502	Cap screw M6x14	022 658
	103	Holding-down jack bed rear E3,5	243 151		2	Needle E3-4		213 389
	104	Selection jack bed at the front E3,5	243 156		3	Coupling part E3-4		213 348
	105	Selection jack bed at the rear E3,5	243 159		4	Intermediate slider E3-4		218 799
	109	Needle bar on the left	213 998		5	Selection jack E3-4		213 372
	110	Needle bar on the right	213 999		6	Selector spring E4-8		200 690
	111	Cover rail at the front E3,5	213 725		7	Holding-down jack E3,5		205 089
	112	Cover rail at the rear	213 981		8	Locating wire D=1,0 1294 mm		213 717
	113	Spring slide	243 153		40*	Disk brush		235 612
	115	Cover rail	213 762		43*	Adjusting bolt		240 765
116	Cover rail	213 763	540*		Cap screw M5x12		020 032	



4.2.1 Continuation needle bed E3,5

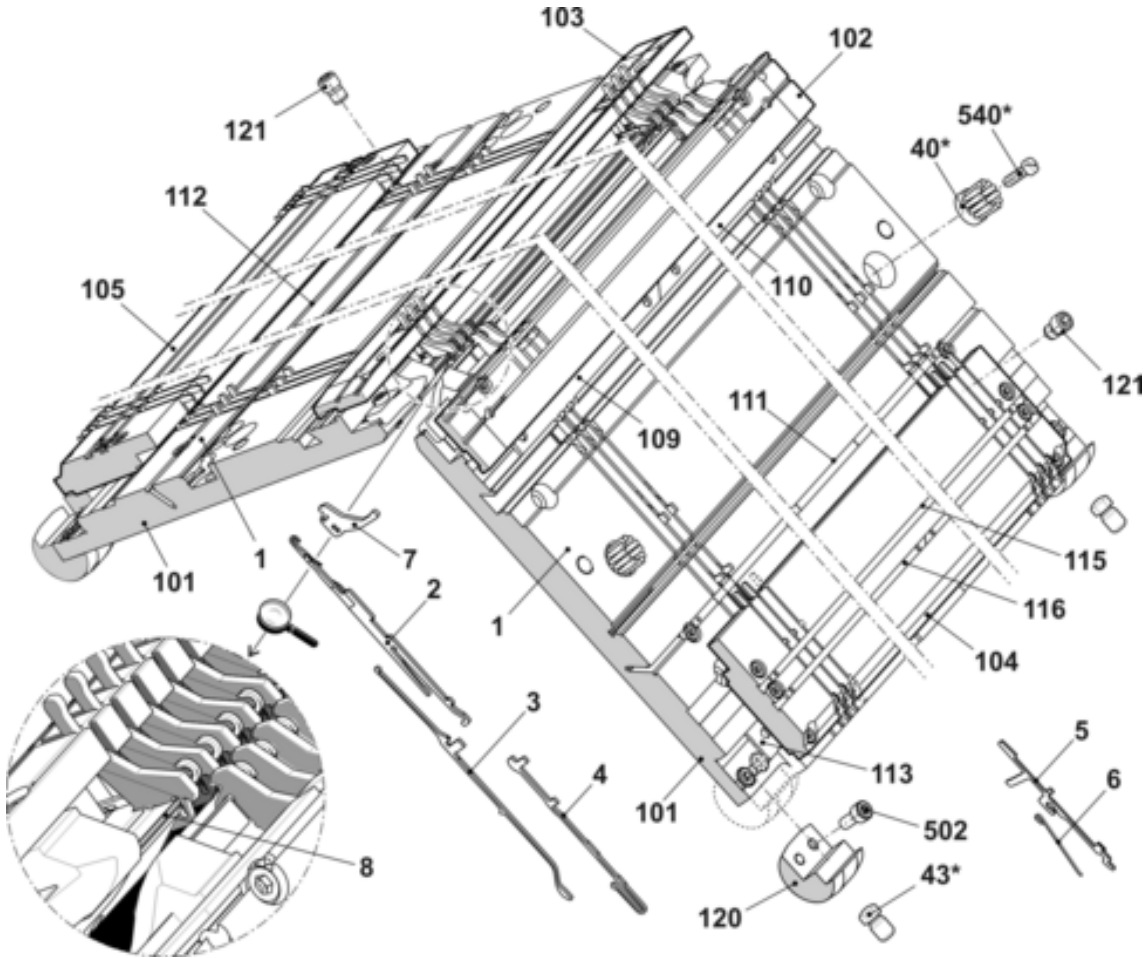
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed at the front and rear EPT E3,5	243 176		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343		504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344		505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712		507	Springy thrust pieceB-M10	023 177
18	Locating wire D=2,8 1290 mm	213 983		510	Shim0,05x18,5x34	023 196
19	Spring steel wire D=2,0 1286 mm	213 996		511	Shim0,1x18,5x34	023 197
500	Cap screw M5x10	022 918		512	Shim0,2x18,5x34	023 253
501	Cap screw M5x20	020 133		513	Countersunk head screw M3x25-10.9	023 447



4.3 Needle bed E4

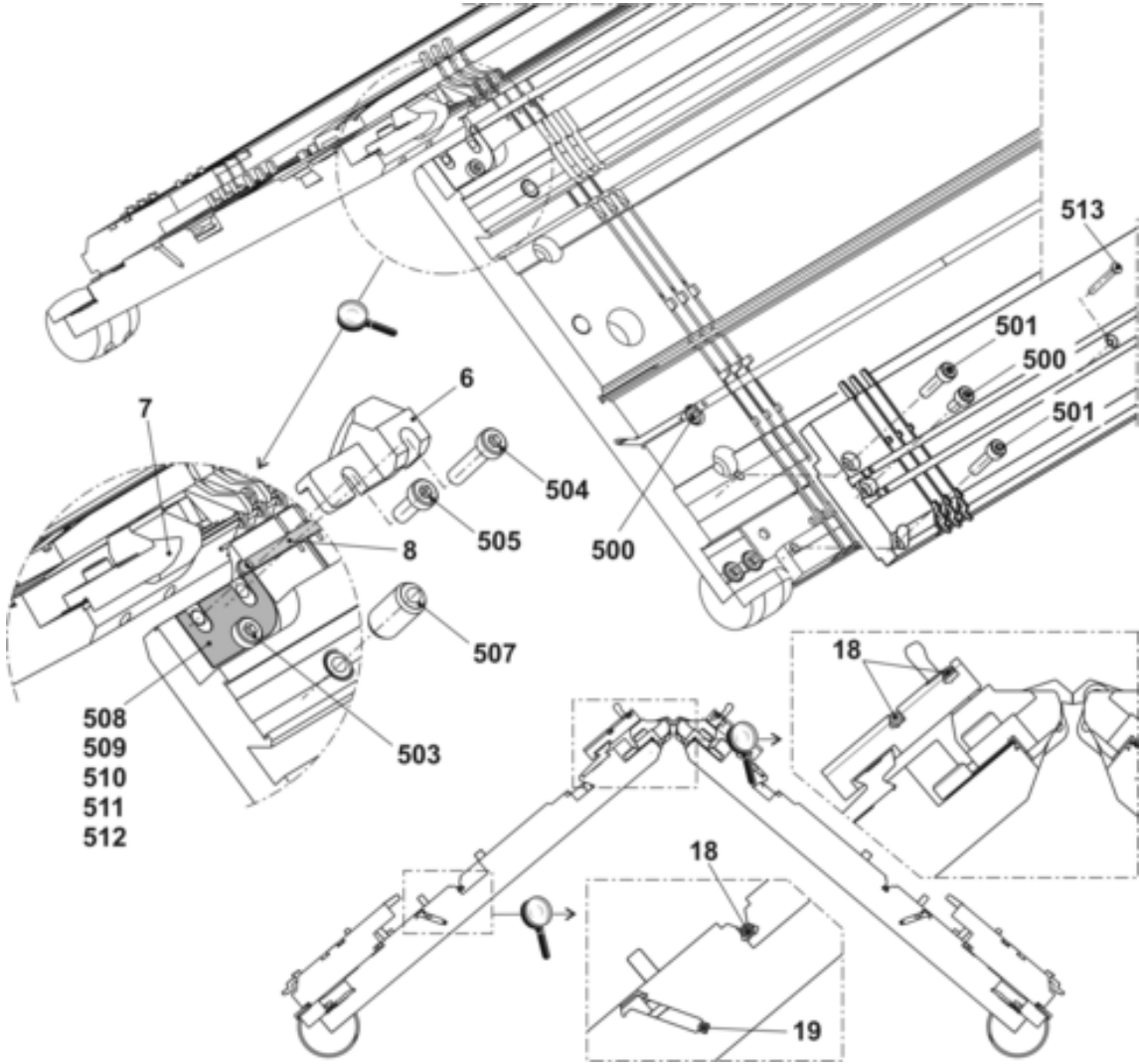
4.3 Needle bed E4

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rearE4	243 180			
1	Needle bed at the front and rear EPTE4	243 177	1	120 Support	241 339
101	Needle bed at the front + rearE4	243 146	121	Eccentric	204 603
102	Holding-down jack bed frontE4	243 149	502	Cap screw M6x14	022 658
103	Holding-down jack bed rear E4	243 152	2	Needle E3-4	213 389
104	Selection jack bed at the front E4	243 157	3	Coupling part E3-4	213 348
105	Selection jack bed at the rear E4	243 160	4	Intermediate slider E3-4	218 799
109	Needle bar on the left	213 998	5	Selection jack E3-4	213 372
110	Needle bar on the right	213 999	6	Selector spring E4-8	200 690
111	Cover rail at the front E4	213 726	7	Holding-down jack E4	205 090
112	Cover rail at the rear	213 981	8	Locating wire D=1,0 1294 mm	213 717
113	Spring slide	243 153	40*	Disk brush	235 612
115	Cover rail	213 762	43*	Adjusting bolt	240 765
116	Cover rail	213 763	540*	Cap screw M5x12	020 032



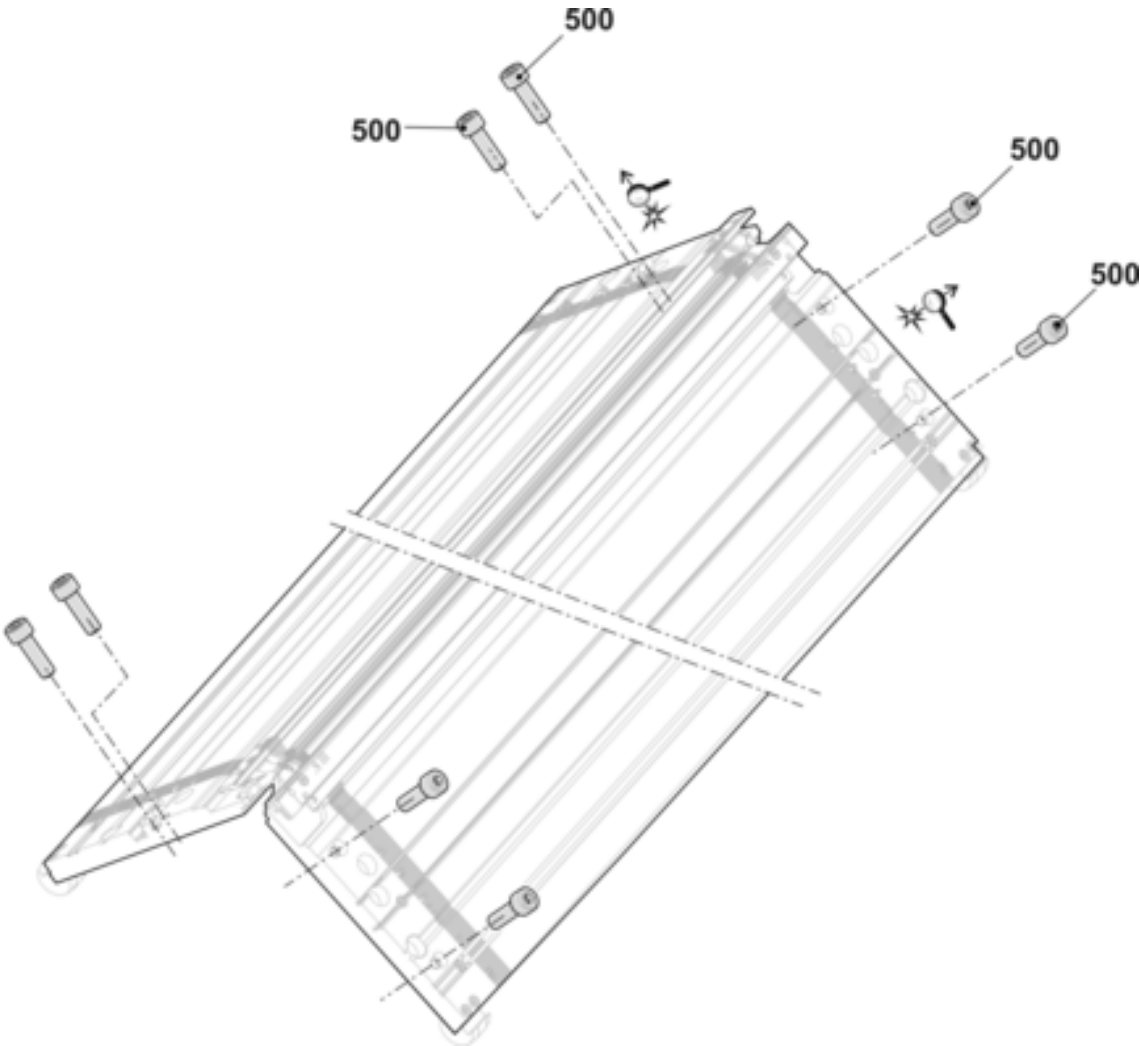
4.3.1 Continuation needle bed E4

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed at the front and rear EPT E4	243 177		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343		504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344		505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712		507	Springy thrust pieceB-M10	023 177
18	Locating wire D=2,8 1290 mm	213 983		510	Shim0,05x18,5x34	023 196
19	Spring steel wire D=2,0 1286 mm	213 996		511	Shim0,1x18,5x34	023 197
500	Cap screw M5x10	022 918		512	Shim0,2x18,5x34	023 253
501	Cap screw M5x20	020 133		513	Countersunk head screw M3x25-10.9	023 447



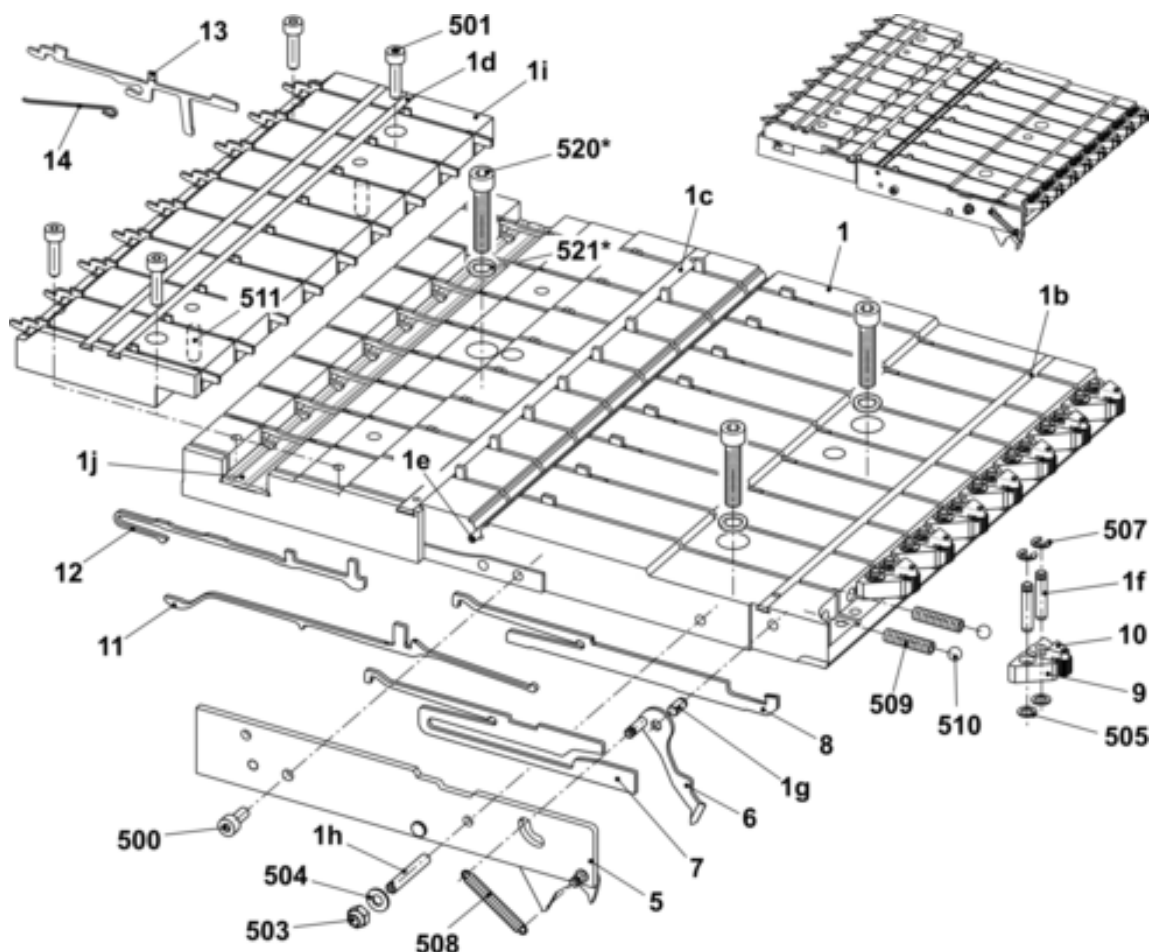
4.4 Needle beds, fixing elements

Pos	Designation	ID		Pos	Designation	ID
Σ	Fixing elements					
500	Cap screw M8x25	020 142				



4.5 Left clamping/cutting bed

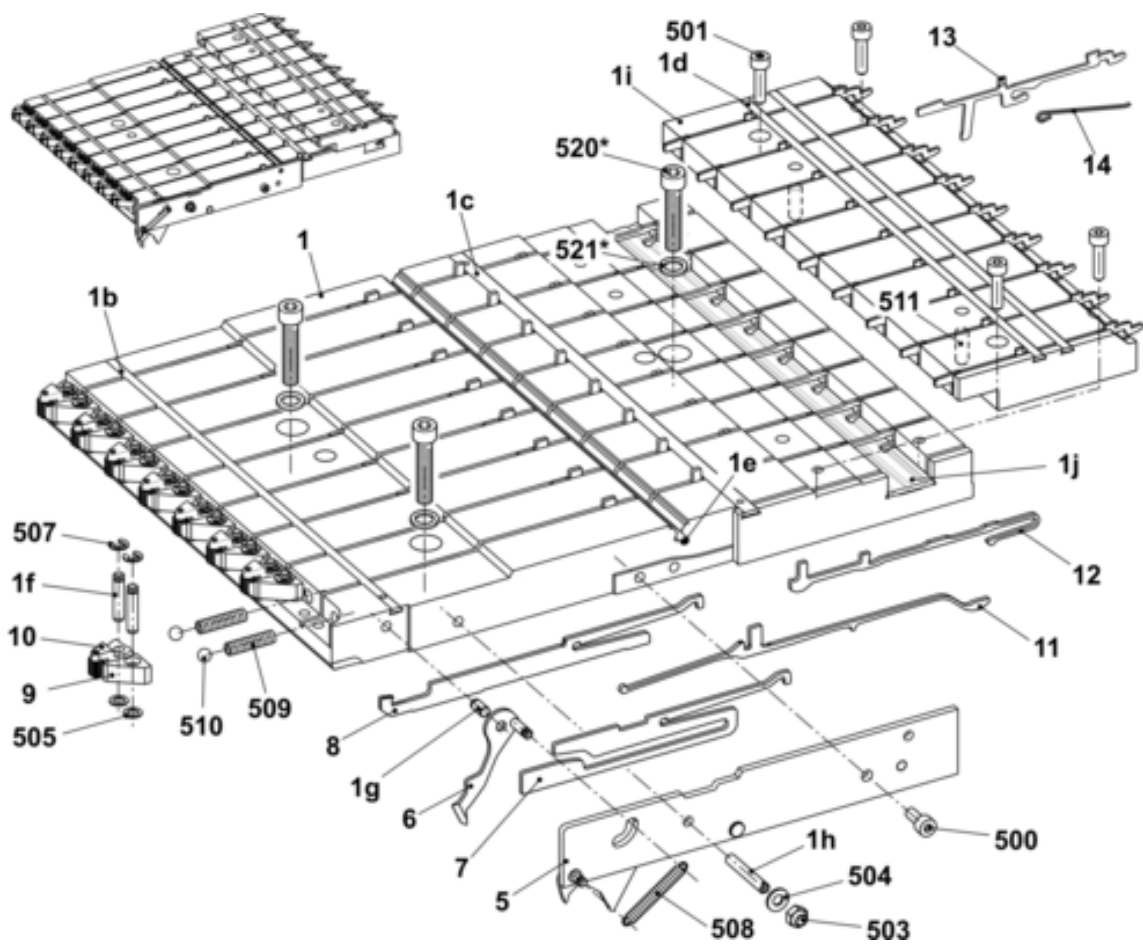
Pos	Designation	ID	Pos	Designation	ID
Σ	Left clamping and cutting bed E3 E4	245 339			
1	Guide plate EPT on the left E3-4	245 345	10	Clamp on the left complete	210 462
1b	Cover rail	211 358	11	Coupling part E3-4	213 348
1c	Cover rail	216 105	12	Intermediate slider E3-4	218 799
1d	Cover rail	209 224	13	Selection jack E3-4	213 372
1e	Locating wire	215 927	14	Selector spring E4-8	200 690
1f	Bolts	208 094	500	Cap screw M4x10	023 136
1g	Axle	211 349	501	Cap screw M4x16	020 131
1h	Guide pin	211 351	503	Hexagon nut M4	023 046
1i	Selection jack bed on the left E3-4	215 906	504	Washer4	020 870
1j	Spring slide	215 908	505	Washer4,3x7x0,5	022 153
511	Dowel pin 5x12	021 988	507	Circlip 3,2	021 019
5	Cover on the left complete E3-4	215 925	508	Tension spring 4x0,55x18,9	023 392
6	Catch hook on the left E3-4	215 887	509	Compression spring 0,8x4x26,3	023 333
7	Slider	215 827	510	Ball 5	023 309
8	Catch needle on the left E3-4	215 879	520*	Cap screw M6x25	023 335
9	Blade	210 422	521*	Washer7,6x11,6x1,5	023 334



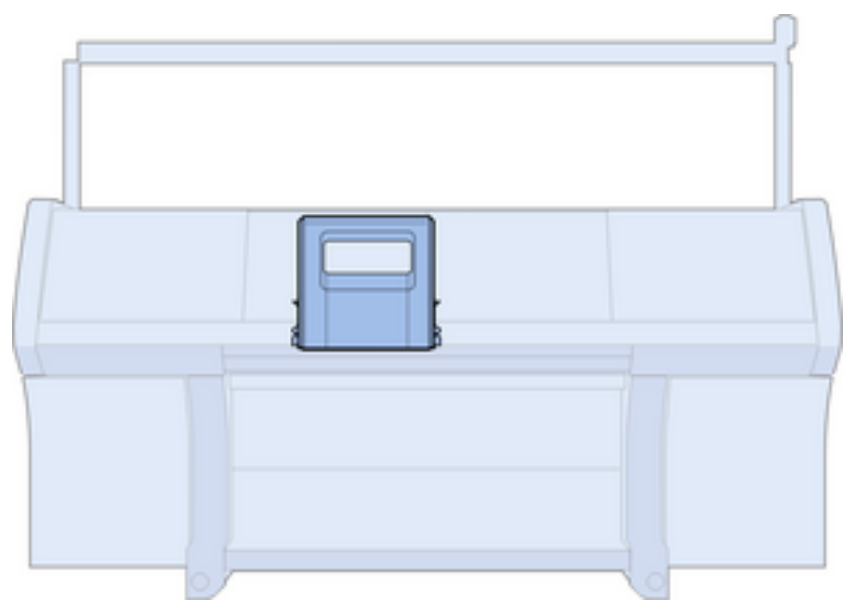
4.6 Clamping/cutting bed on the right

4.6 Clamping/cutting bed on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Clamping and cutting bed on the right E3 E4	245 340			
1	Guide plate EPT on the right E3-4	245 346	10	Clamp on the right complete	210 464
1b	Cover rail	211 358	11	Coupling part E3-4	213 348
1c	Cover rail	216 105	12	Intermediate slider E3-4	218 799
1d	Cover rail	209 224	13	Selection jack E3-4	213 372
1e	Locating wire	215 927	14	Selector spring E4-8	200 690
1f	Bolts	208 094	500	Cap screw M4x10	023 136
1g	Axle	211 349	501	Cap screw M4x16	020 131
1h	Guide pin	211 351	503	Hexagon nut M4	023 046
1i	Selection jack bed on the right E3-4	215 907	504	Washer4	020 870
1j	Spring slide	215 908	505	Washer4,3x7x0,5	022 153
511	Dowel pin 5x12	021 988	507	Circlip 3,2	021 019
5	Cover on the left complete E3-4	215 926	508	Tension spring 4x0,55x18,9	023 392
6	Catch hook on the right E3-4	215 888	509	Compression spring 0,8x4x26,3	023 333
7	Slider	215 827	510	Ball 5	023 309
8	Catch needle on the right E3-4	215 874	520*	Cap screw M6x25	023 335
9	Blade	210 422	521*	Washer7,6x11,6x1,5	023 334



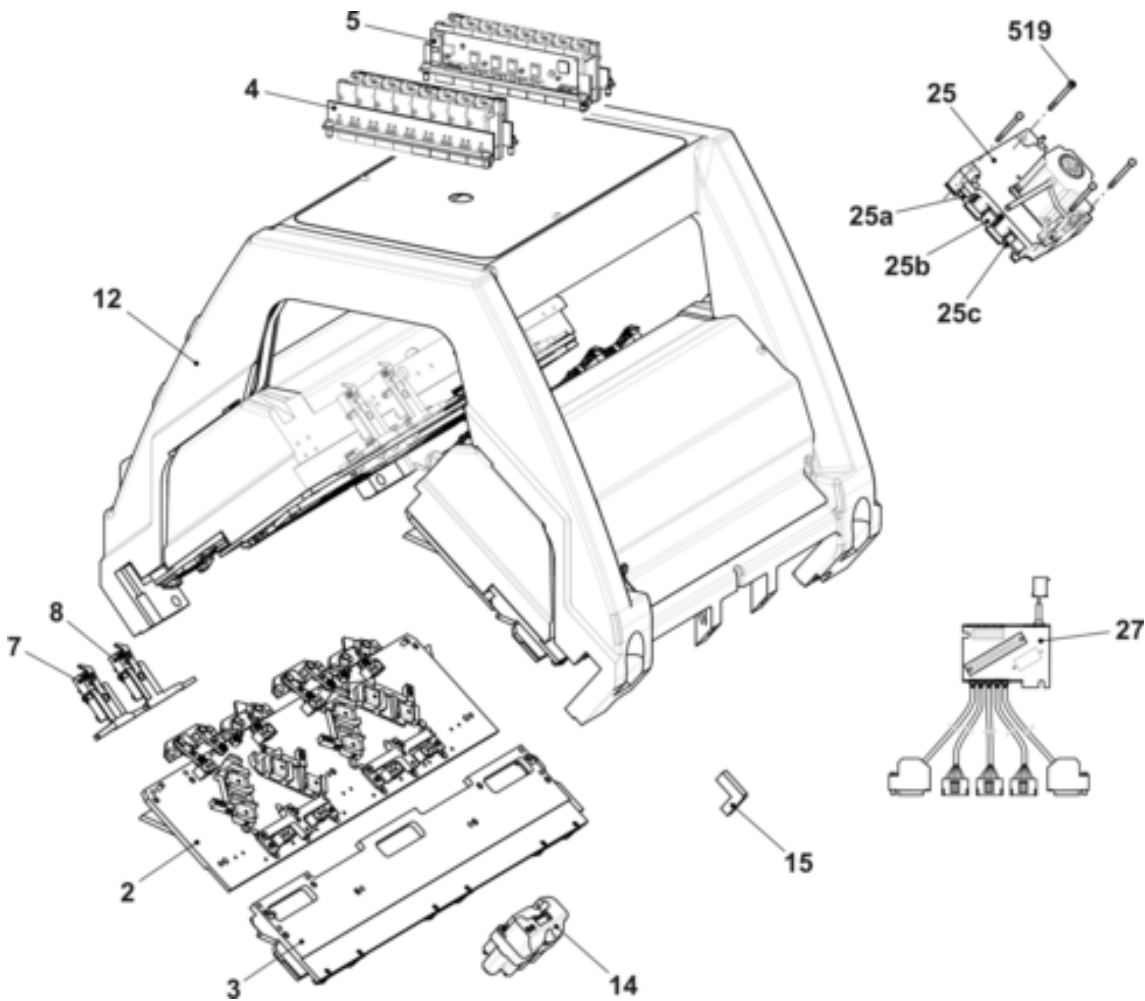
5 Carriage



5.1 Overview of carriage

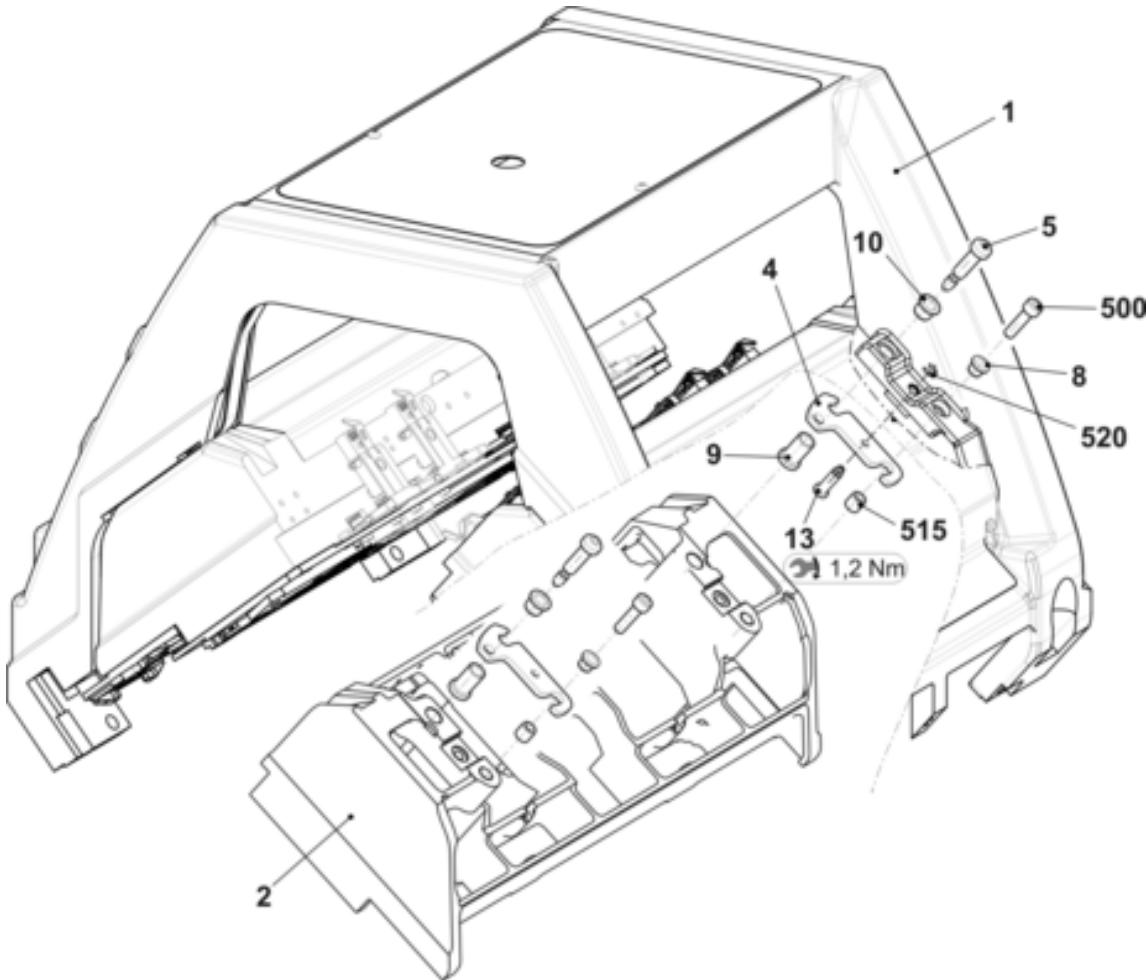
5.1 Overview of carriage

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage completeE3-4	256 647	14	Selection system completeE2-8	216 218
2	Needle cam complete	214 808	15	Wiper felt	241 411
3	Jack cam box complete	214 809	25	Motor unit complete(AT=714946)	214 946
4	Yarn carrier driving unit outside complete	241 080	25a	Gear rack at the top	214 290
5	Yarn carrier driving unit in the middle complete	241 081	25b	Gear rack in the middle	214 291
7	Holding-down jack control on the right	214 717	25c	Gear rack at the bottom	214 292
8	Holding-down jack control on the left	214 800	520	Screw M4x40	023 095
12	Carriage assembly 2 cam boxes complete	256 499	27	Distributor 520C	253 666



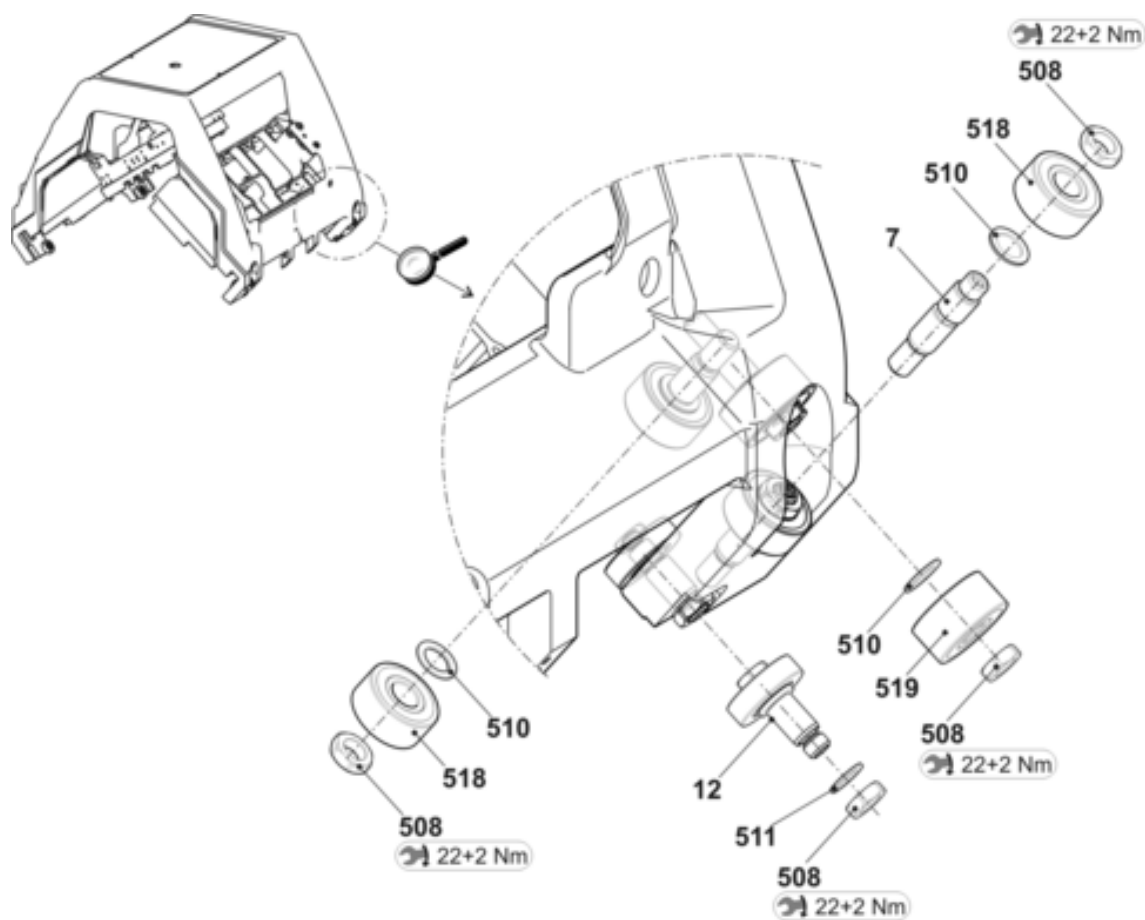
5.2 Carriage assembly

Pos	Designation	ID		Pos	Designation	ID
Σ	Carriage assembly 2 cam boxes 520C	256 499		9	Bush	209 275
1	Carriage frame, 2 cam boxes	259 016		10	Bush	209 274
2	Carriage part, 2 cam boxes	243 100		13	Locating bolt linking spot	244 179
4	Shim	225 312		500	Cap screw M8x30	020 143
5	Shoulder screw	211 750		515	Threaded bush	041 863
8	Bush	207 546		520	Circlip	021 022



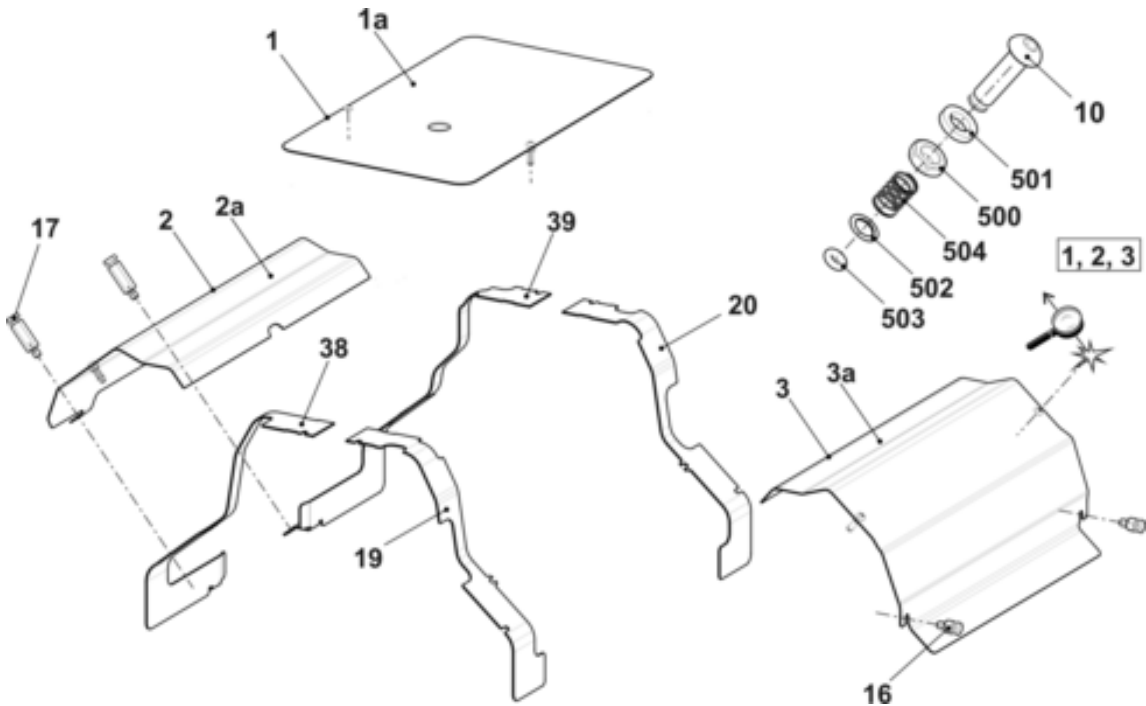
5.3 Carriage guide

Pos	Designation		ID		Pos	Designation	ID
7	Bearing bolt eccentric 0,5		240 624				
12	Bolt complete with bearing		244 283		510	Shim ring 12x18x1	023 315
	525	Roller10X32X9			511	Shim ring 10x16x1	023 260
	526	Shim ring 10x16x2	242 071		518	Grooved ball bearing 62201-2RS	241 408
508	NutM10		023 316		519	Grooved ball bearing 62300-2RS1	242 070



5.4 Carriage cover

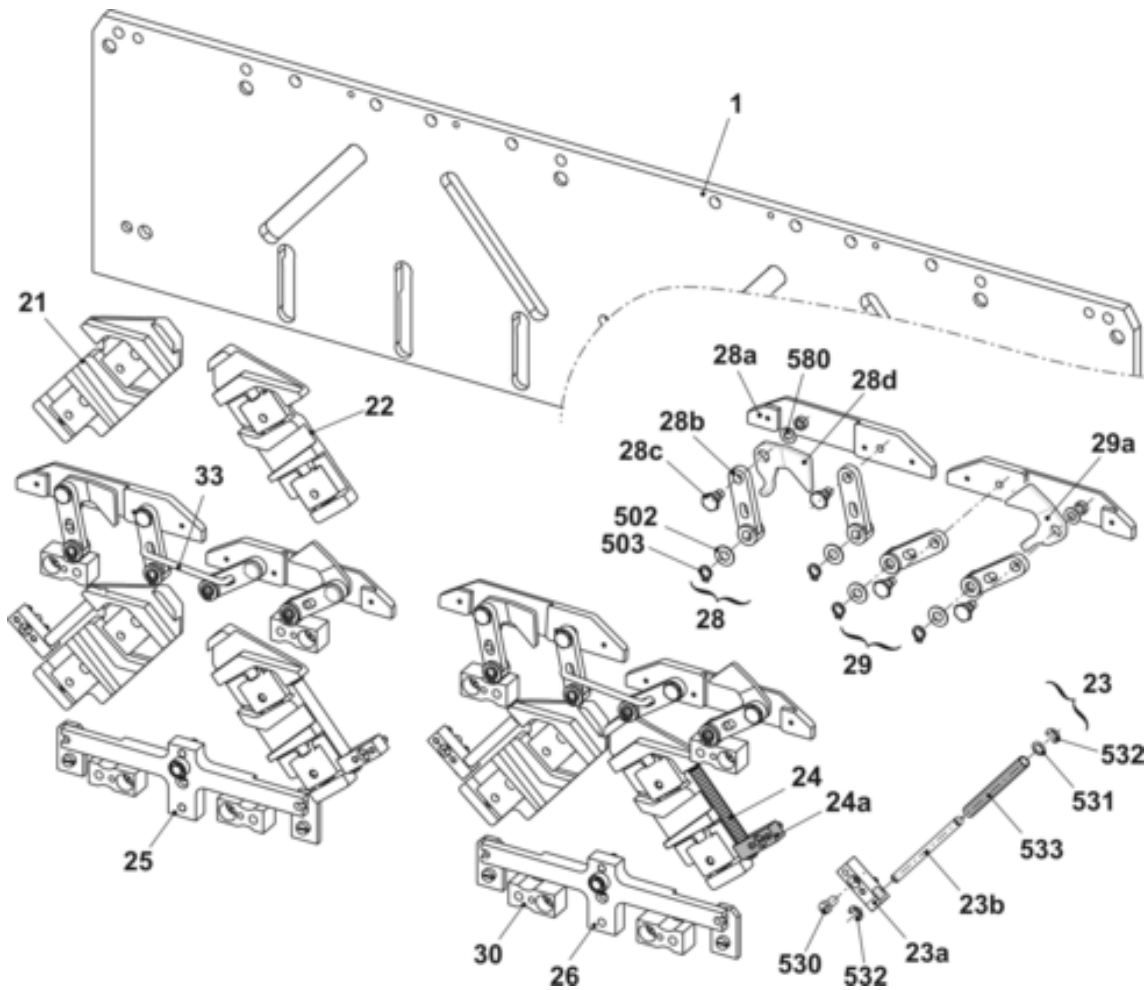
Pos	Designation	ID	Pos	Designation	ID
1	Carriage cover at the top 3 cam boxes complete	257 100			
	1a Carriage cover at the top 2 cam boxes 6Z	256 510	16	Bolts	212 392
2	Carriage cover at the rear complete	257 171	17	Bolt at the rear	243 171
	2a Carriage cover at the rear520C	256 770	19	Cover plate on the left	250 274
3	Carriage cover at the front complete	257 170	20	Cover plate on the right	250 275
	3a Carriage cover at the front 520C	256 769	38	Guide plate at the rear on the left	245 323
1,2,3	10 Locating bolt	242 382	39	Guide plate at the rear on the right	245 324
	500 Hexagon nut M6	257 088	504	Compression spring 0,48x7,02x17,29	023 654
	501 Serrated lock washer 6,4	022 385			
	502 Washer6.1x9x0,5	023 554			
	503 O-ring 3x2	242 420			



5.5 Needle cam

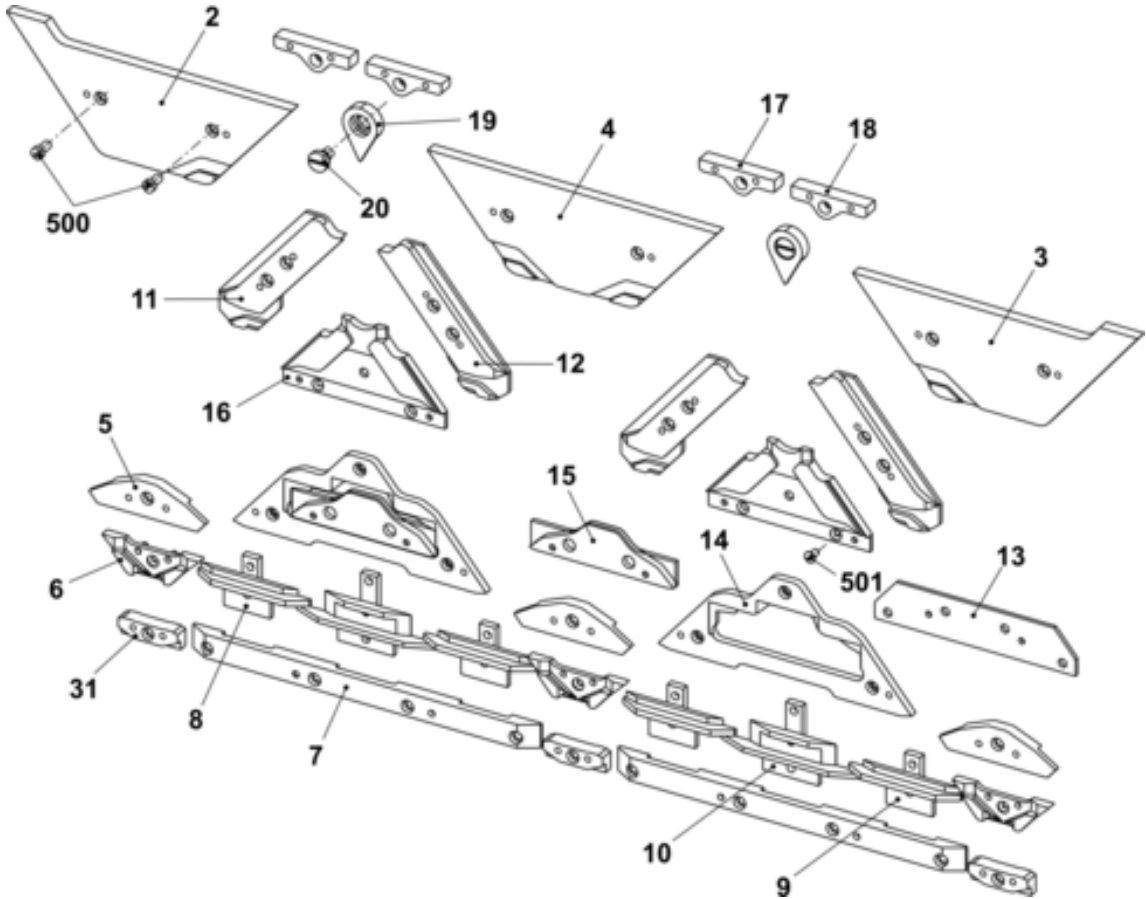
5.5 Needle cam

Pos	Designation		ID		Pos	Designation		ID
Σ	Needle cam complete (at the top)		214 808					
1	Needle cam plate E3-4		214 899		26	Slider		210 953
21	Loop sinking cam on the left complete		214 657		28	Slider on the left complete		214 248
22	Loop sinking cam on the right complete		214 656		28a	Slider on the leftE3-4	241 758	
23	Rod guide element on the left		214 477		28b	Connecting rodCMS320	214 186	
	23a	Rod guide element on the left	214 475		28c	Axle	252 742	
	23b	Spring rod	214 476		28d	Jack sheet metal on the left	214 193	
	530	Cap screw M4x8	020 091		580	Shim ring 4x8x0,5	023 384	
	531	Washer4,3x7x0,5	022 153		29	Slider on the right complete		214 271
	532	Circlip 3,2	021 019		29a	Slider on the rightE3-4	241 759	
	533	Compression spring 0,55x4,95x74,8	023 344		30	Spacer		214 603
24	Rod guide element on the right		214 478		33	BowE3-4		216 225
	24a	Rod guide element on the right	214 473		502	Shim ring 5x10x0,5		023 348
25	Switching piece		214 322		503	Locking ring5x0,6		023 347



5.6 Continuation needle cam box

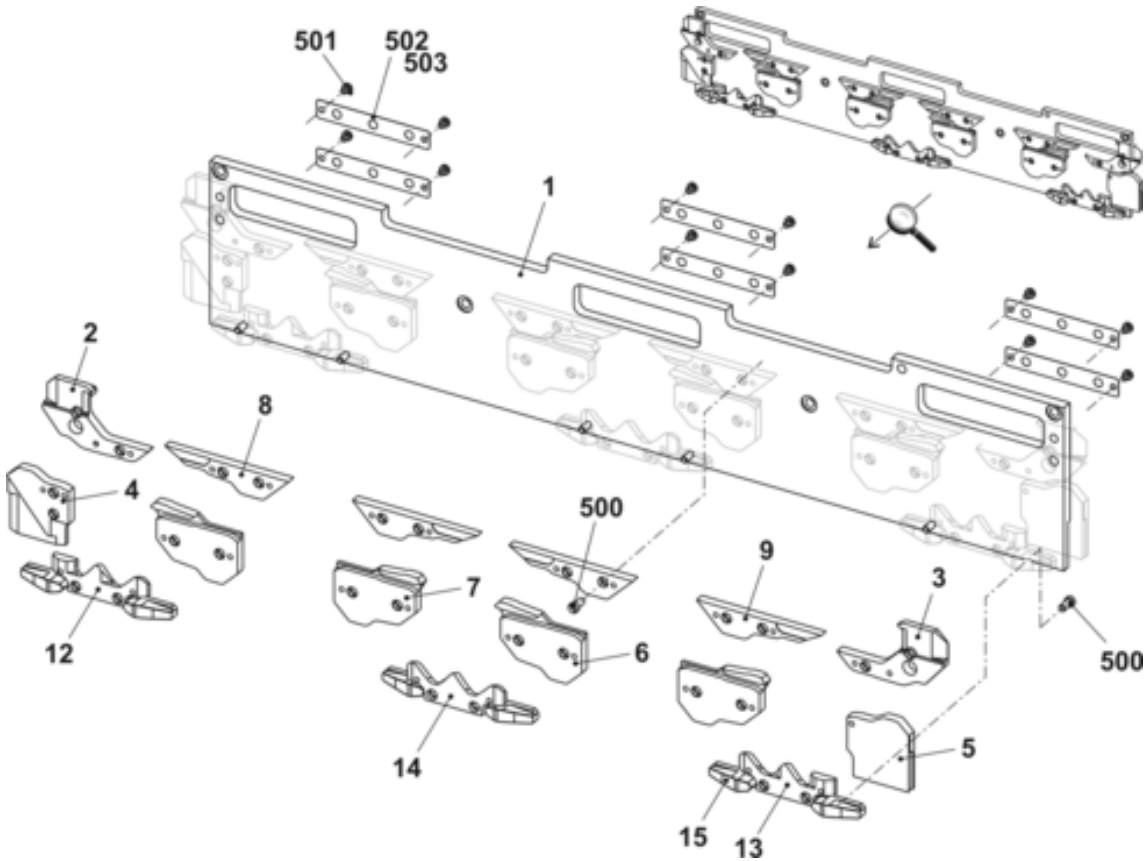
Pos	Designation	ID	Pos	Designation	ID
Σ	Needle cam box complete (at the bottom)	214 808	13	Raising cam plate	214 286
2	Entry cam on the left E3-4	214 850	14	Raising cam without split-stitch	216 012
3	Entry cam on the right E3-4	214 851		Raising cam with split-stitch (Accessories)	216 011
4	Entry cam in the middleE3-4	214 852	15	Receiving cam	214 190
5	Entry cam	214 579	16	Tuck limiting cam E3-4	218 047
6	Knitting position cam E3-4	220 179	17	Limiting cam on the left E3-4	218 048
7	Pressure strip E3-4	214 663	18	Limiting cam on the right E3-4	218 049
8	Pressure part receiving on the leftE3-4	216 008	19	Pointer E3-4	218 050
9	Pressure part receiving on the rightE3-4	216 009	20	Screw	214 576
10	Tuck pressure partE3-4	216 130	31	Limiting cam at the bottomE3-4	215 994
11	Stitch cam on the left E3-4	214 895	500	Cap screw M4x8	020 091
12	Stitch cam on the right E3-4	214 896	501	Countersunk screw M3x6-4.8	020 286



5.7 Jack cam box

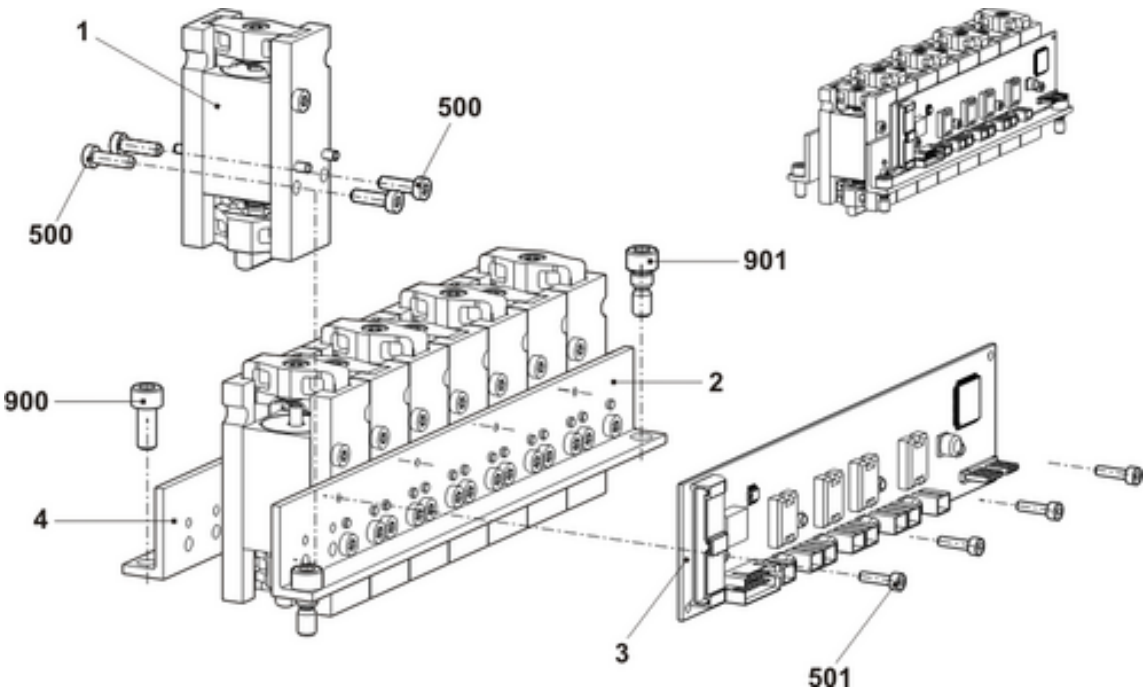
5.7 Jack cam box

Pos	Designation	ID	Pos	Designation	ID
Σ	Jack cam box complete	214 809	9	Cam at the right E3-4	213 938
1	Jack cam box plate	214 900	12	Selection cam on the left	213 868
2	Cam on the left	214 594	13	Selection cam on the right	213 870
3	Cam part at the right	214 596	14	Selection cam	213 869
4	Cam on the left	214 586	15	Offering cam	210 185
5	Cam part at the right	214 587	500	Cap screw M4x8	020 091
6	Cam on the left E3-4	213 911	501	Pan-head screw M3x4	023 142
7	Cam at the right E3-4	213 915	502	Shim0,1x12x75	022 830
8	Cam on the left E3-4	213 920	503	Shim0,2x12x75	022 831



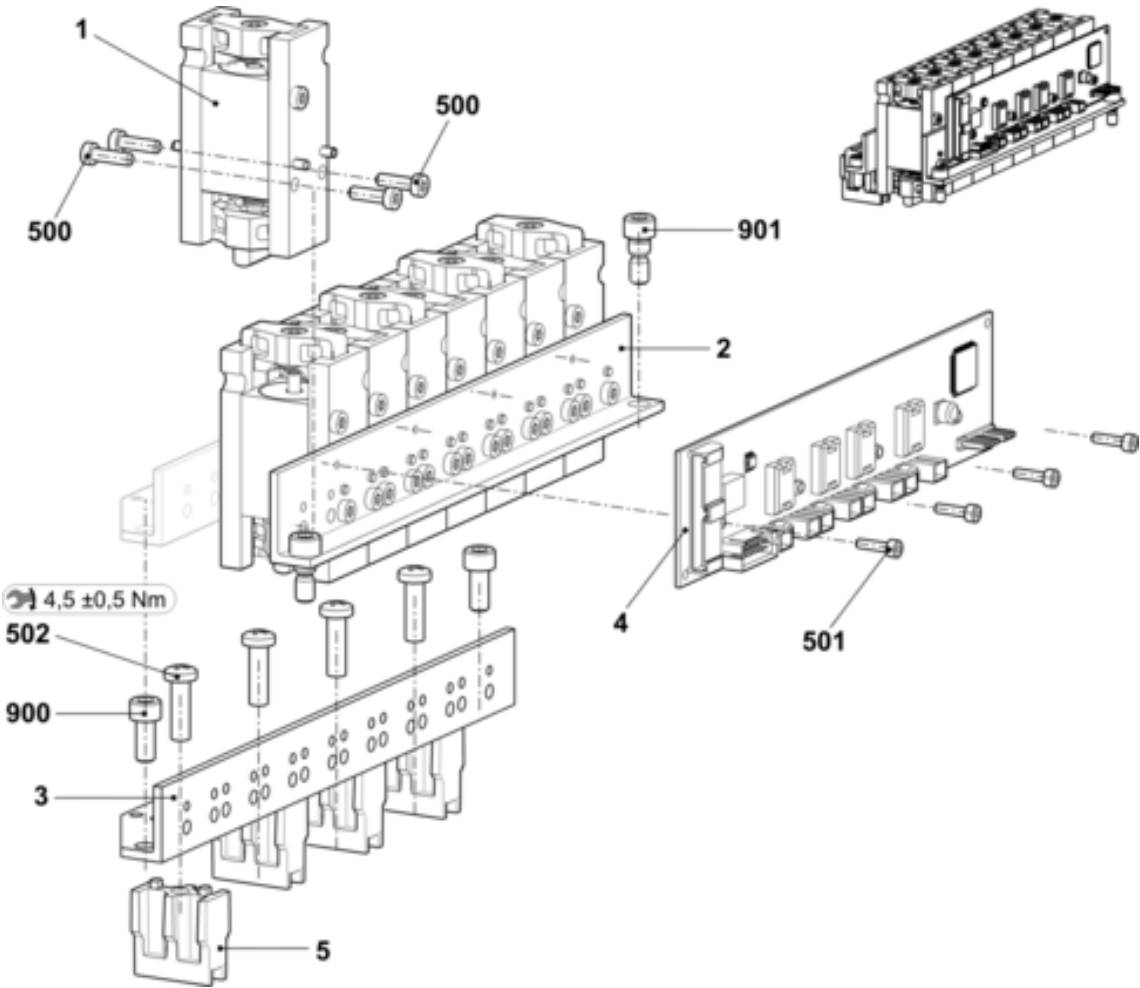
5.8 Yarn carrier driving without guide part

Pos	Designation	Id		Pos	Designation	Id
Σ	FF driving outside complete	241 080				
1	Yarn carrier plunger complete	242 214		500	Cap screwM4x14-I-Torx	242 279
2	Holding angle for jack	241 038		501	Cap screwM3x12-12.9	022 648
3	Card yarn carrier final stagesOKC	300 960		900	Cap screwM6x14	022 658
4	Holding angle for YC driving	242 903		901	Shoulder screw	231 899



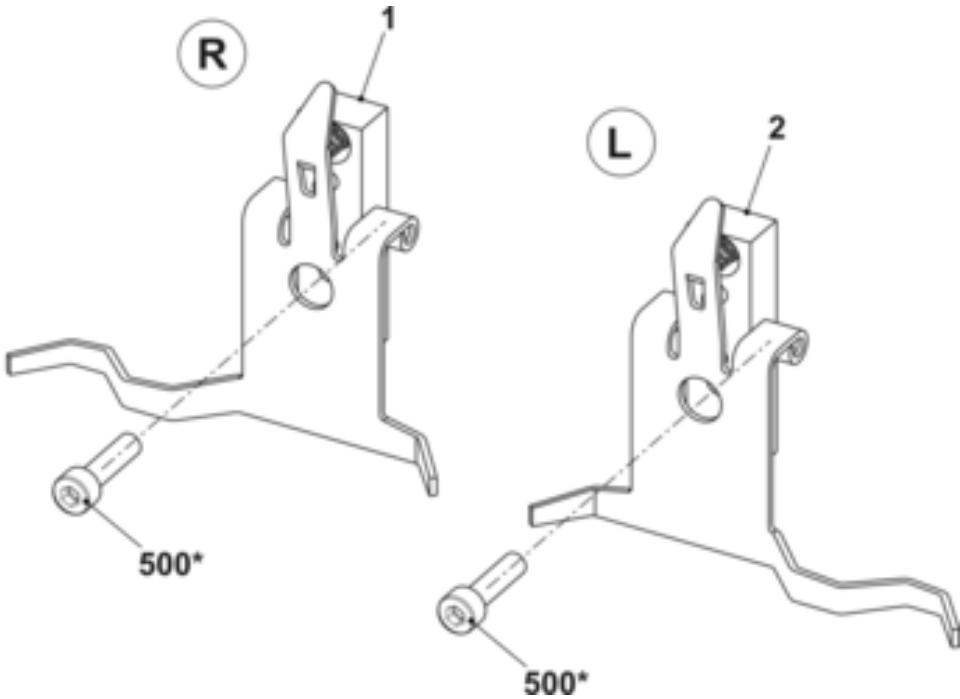
5.9 Yarn carrier driving with guide part

Pos	Designation	Id		Pos	Designation	Id
Σ	FF driving in the middle complete	241 081				
1	Yarn carrier plunger complete	242 214		500	Cap screw M4x14-I-Torx	242 279
2	Holding angle for jack	241 038		501	Cap screw M3x12-12.9	022 648
3	Holding angle for YC driving	241 044		502	Screw KB60X20	243 625
4	Card yarn carrier final stagesOKC	300 960		900	Cap screwM6x14	022 658
5	Guide part	239 972		901	Shoulder screw	231 899



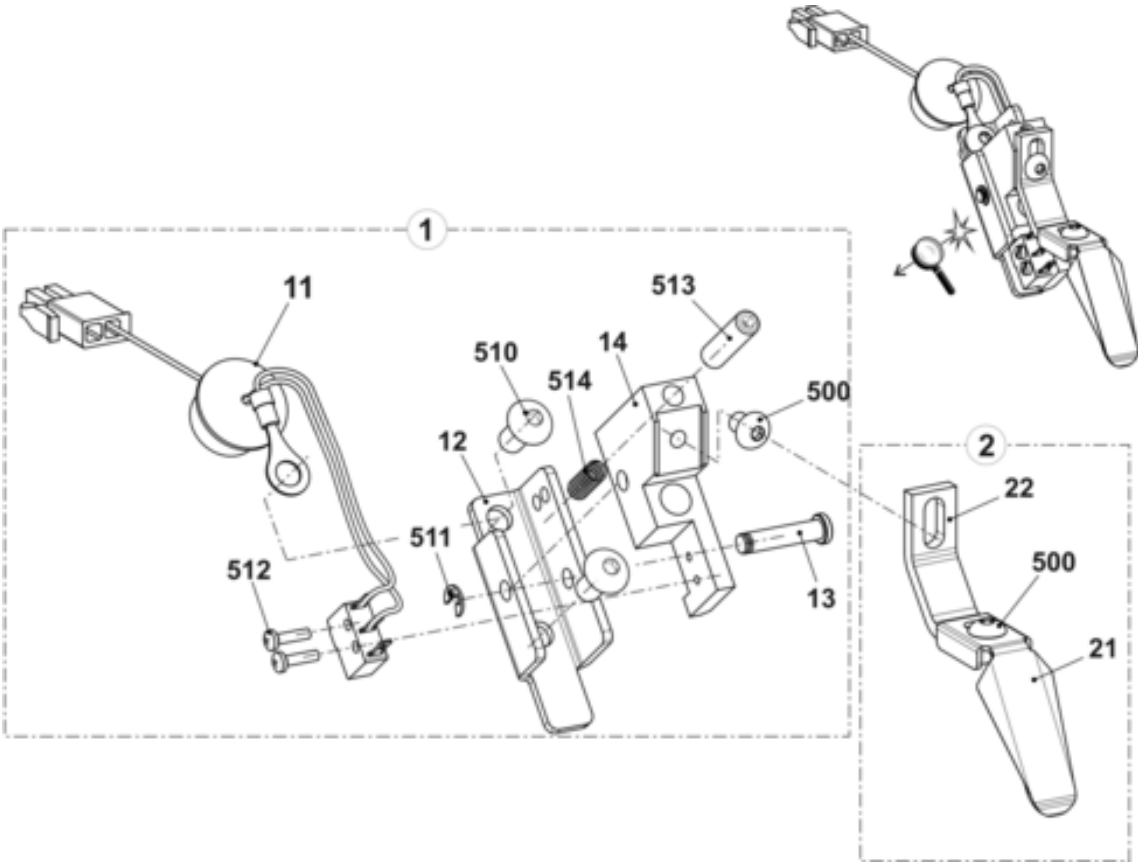
5.10 Holding-down jack control on the right and left

Pos	Designation	ID		Pos	Designation	ID
1	Holding-down jack control on the right	214 717		2	Holding-down jack control on the left	214 800
500*	Cap screw M5x20	020 133		500*	Cap screw M5x20	020 133



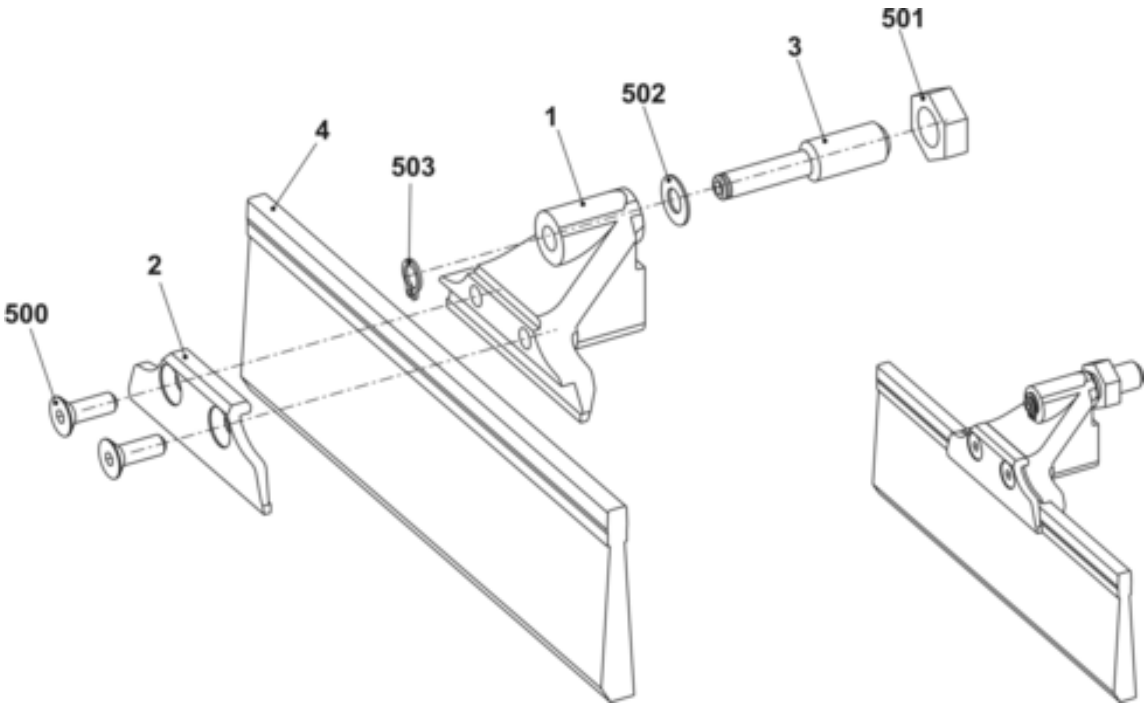
5.11 Needle detector

Pos	Designation		ID		Pos	Designation		ID
Σ	Needle detector E3 E4		237 675					
1	Needle detector pre-assembled		221 773		2	Sensor pre-assembled		237 674
	11	Cable of needle detector complete	221 207			21	Sensor	220 839
	12	Retainer	220 464			22	Angle	237 668
	13	Bolts	258 390			500	Pan-head screw M4x6	023 427
	14	Switch rocker	220 637		500	Pan-head screw M4x6	023 427	
	510	Pan-head screw M5x10	023 247					
	511	Circlip	021 018					
	512	Pan-head screw M2x8	258 310					
	513	Setscrew M5x20	023 526					
514	Compression spring 4,3x0,45x10	021 398						



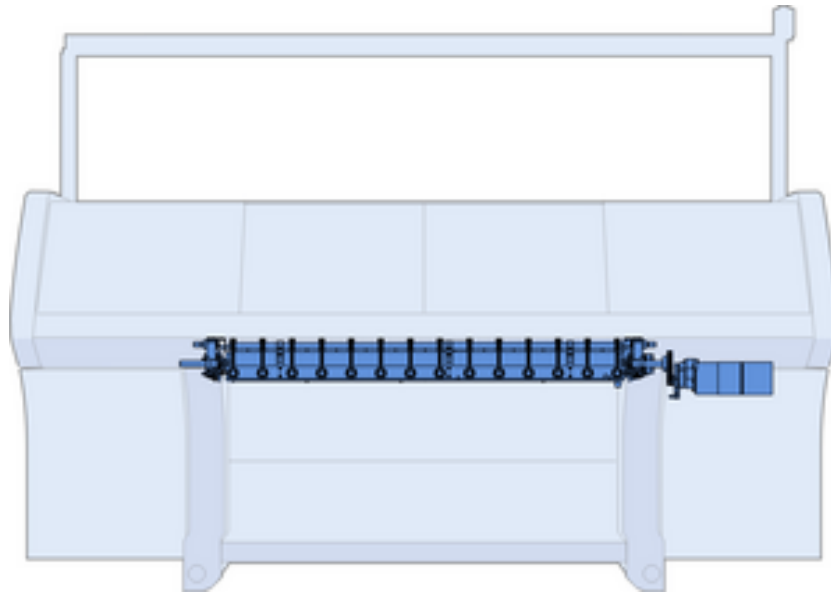
5.12 Brush holder

Pos	Designation	ID		Pos	Designation	ID
Σ	Brush holder complete	214 710				
1	Brush holder	213 009		500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010		501	Hexagon nut M8x5	023 750
3	Threaded rod	209 740		502	Shim ring 5x10x0,5	023 348
4	Needle brush E2-4	061 407		503	Locking ring 5x0,6	023 347



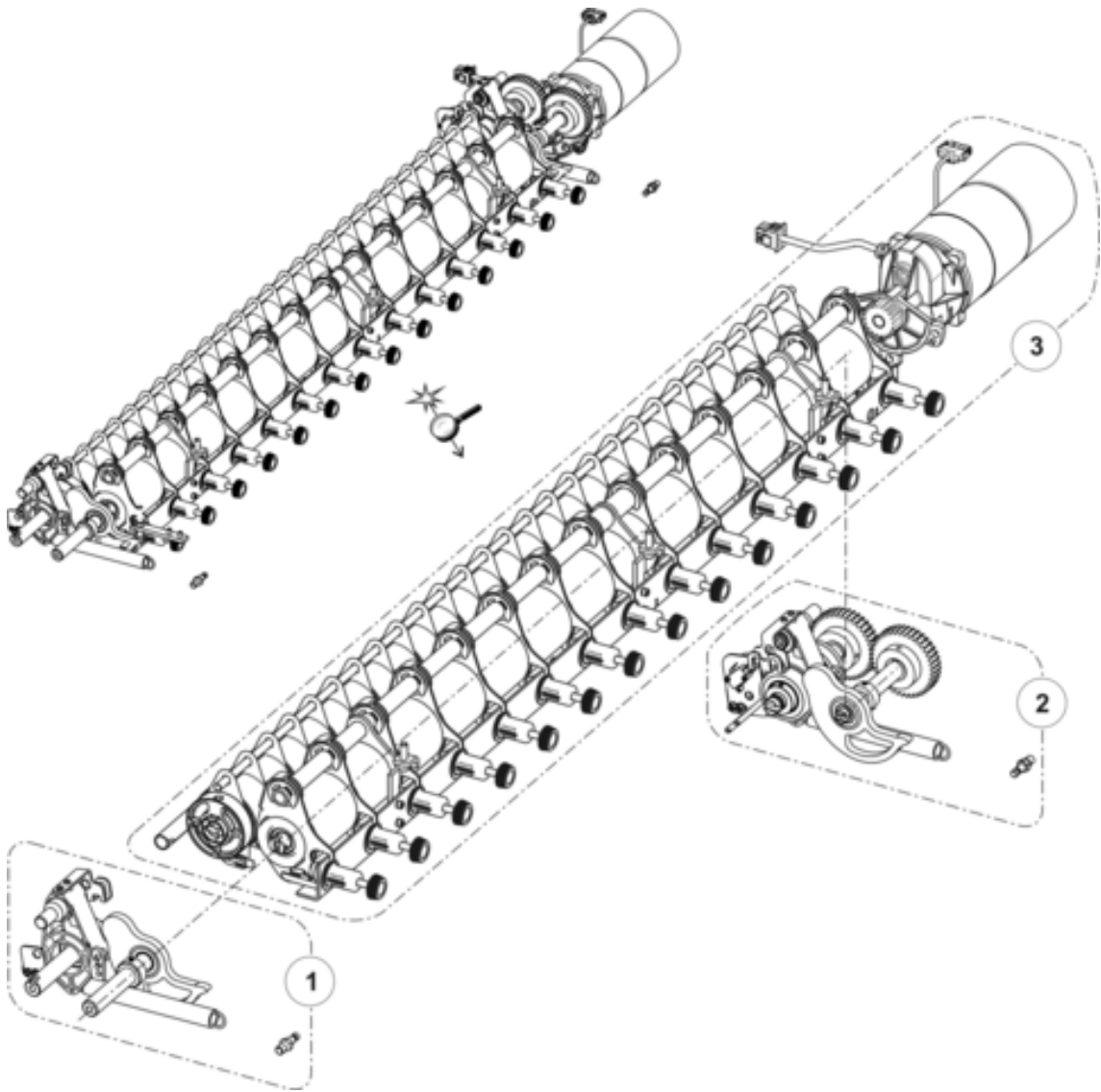
Notes:

6 Main take-down



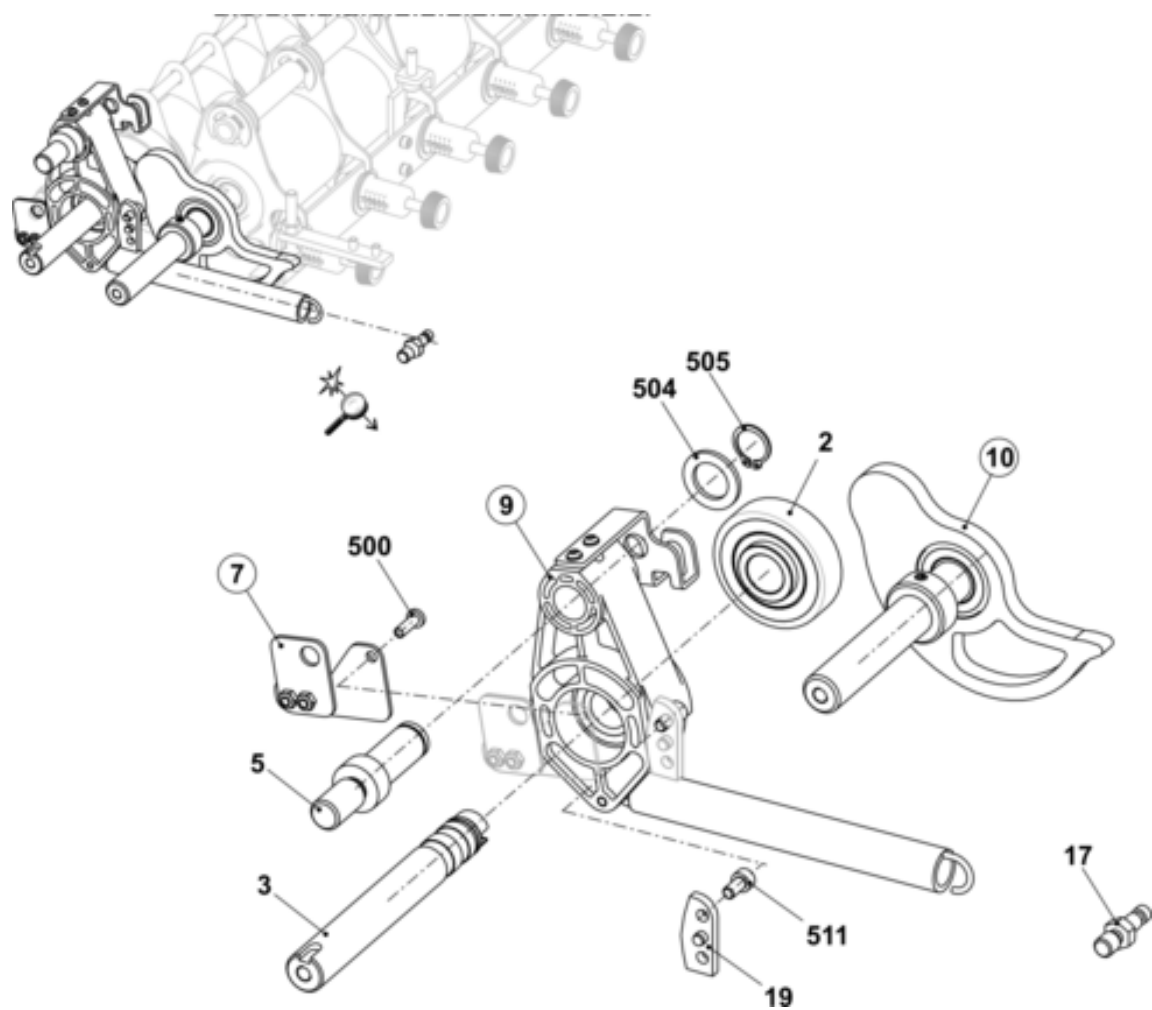
6.1 Main take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down		2	Main take-down on the right	253 852
1	Main take-down on the left	253 851	3	Main take-down in the middle E5-14	253 525



6.1.1 Main take-down on the left

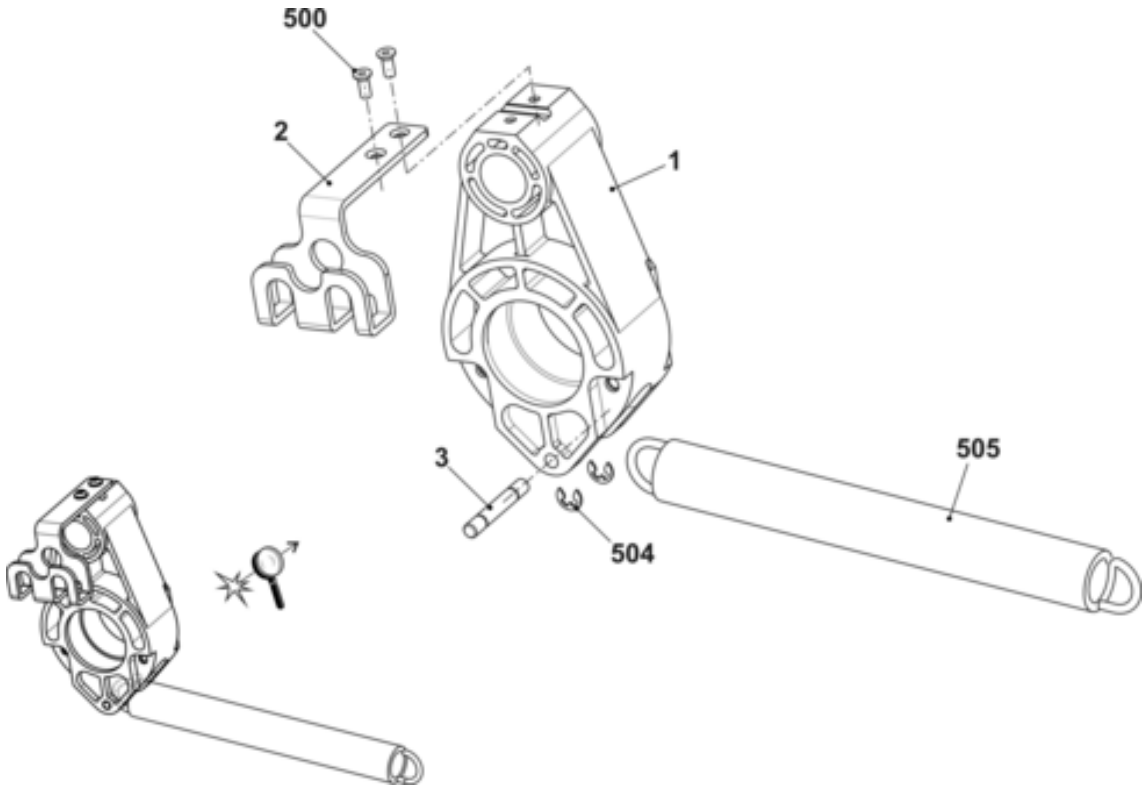
Pos	Designation	ID		Pos	Designation	ID
Σ	Main take-down on the left	253 851				
2	Bearing race complete	244 459		17	Spring bolt	221 143
3	Shaft on the left at the rear	221 012		19	Stop point	252 503
5	Bolts	208 538		500	Screw 50x15	251 728
7	Mounting plate on the left complete	231 725		504	Washer18	023 295
9	Swivel-mounted bearing	251 761		505	Locking ring18x1,2	020 955
10	Full floating axle on the left	251 984		511	Cap screwM6x12	020 134



6.1 Main take-down

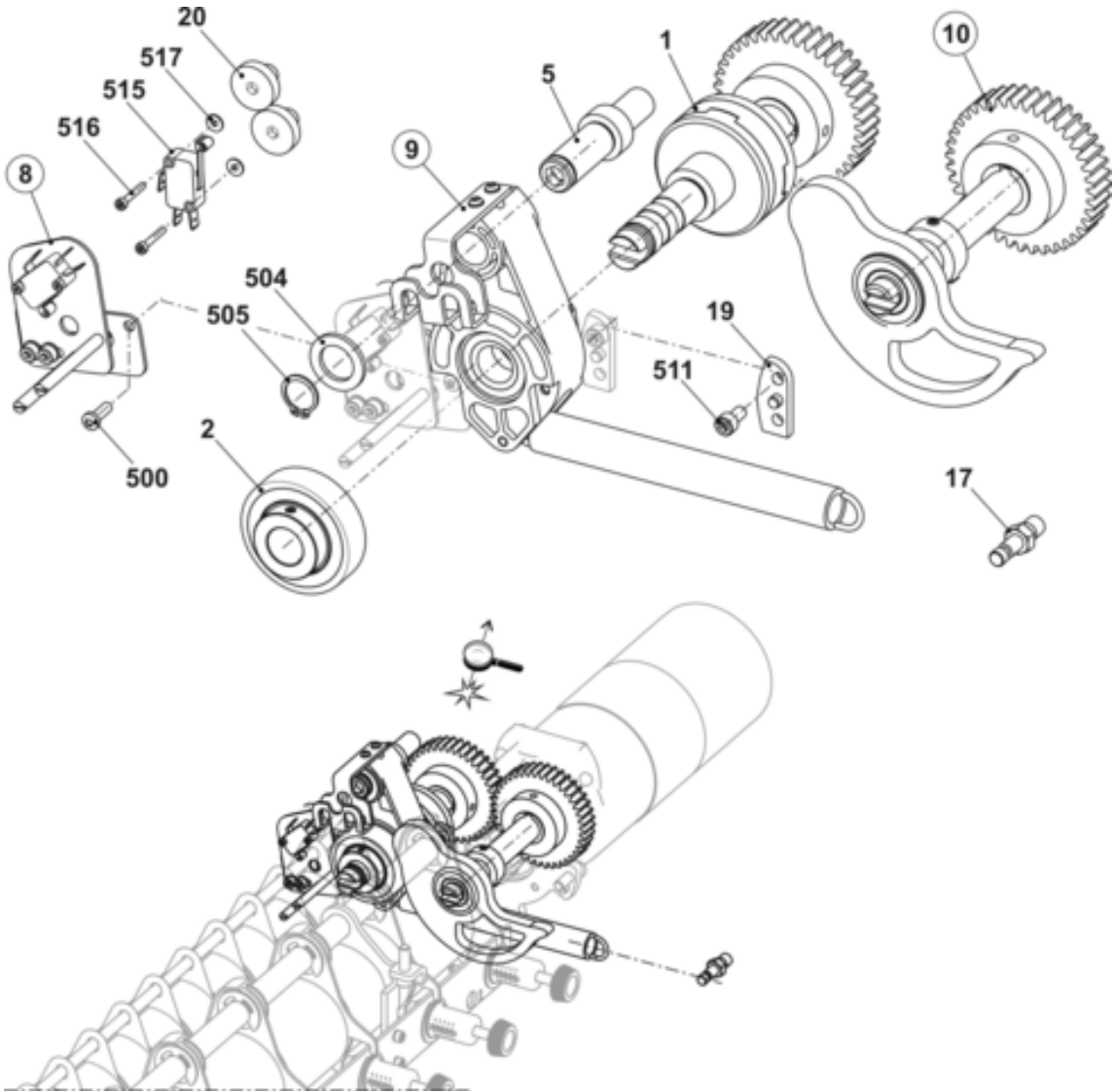
6.1.1.1 Swivel-mounted bearing

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



6.1.2 Main take-down on the right

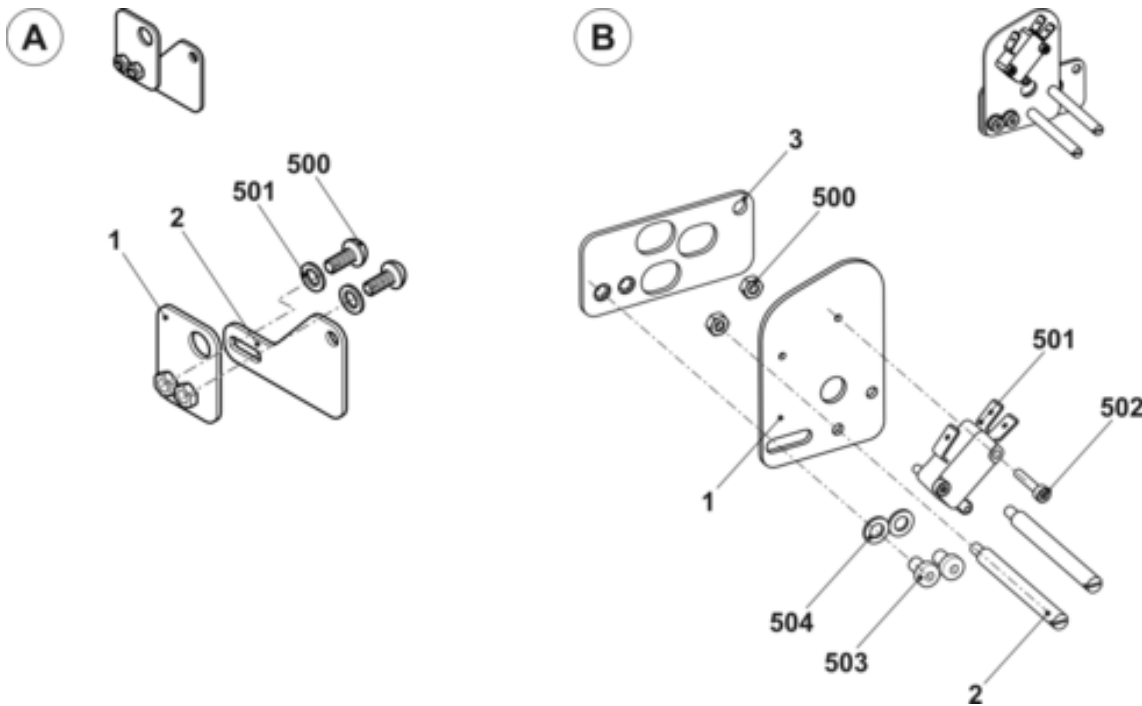
Pos	Designation	ID		Pos	Designation	ID
Σ	Main take-down on the right	253 852				
1	Clutch set	251 677		20	Threaded bush	222 522
2	Bearing race complete	244 459		500	Screw 50x15	251 728
5	Bolts	208 538		504	Washer18	023 295
8	Mounting plate on the right complete	260 090		505	Locking ring18x1,2	020 955
9	Swivel-mounted bearing	251 761		511	Cap screw M6x12	020 134
10	Full floating axle on the right	251 985		515	Microswitch Xgk2-s21 250	210 510
17	Spring bolt	221 143		516	Cap screw M3x20	023 221
19	Stop point	252 503		517	Washer3	023 657



6.1 Main take-down

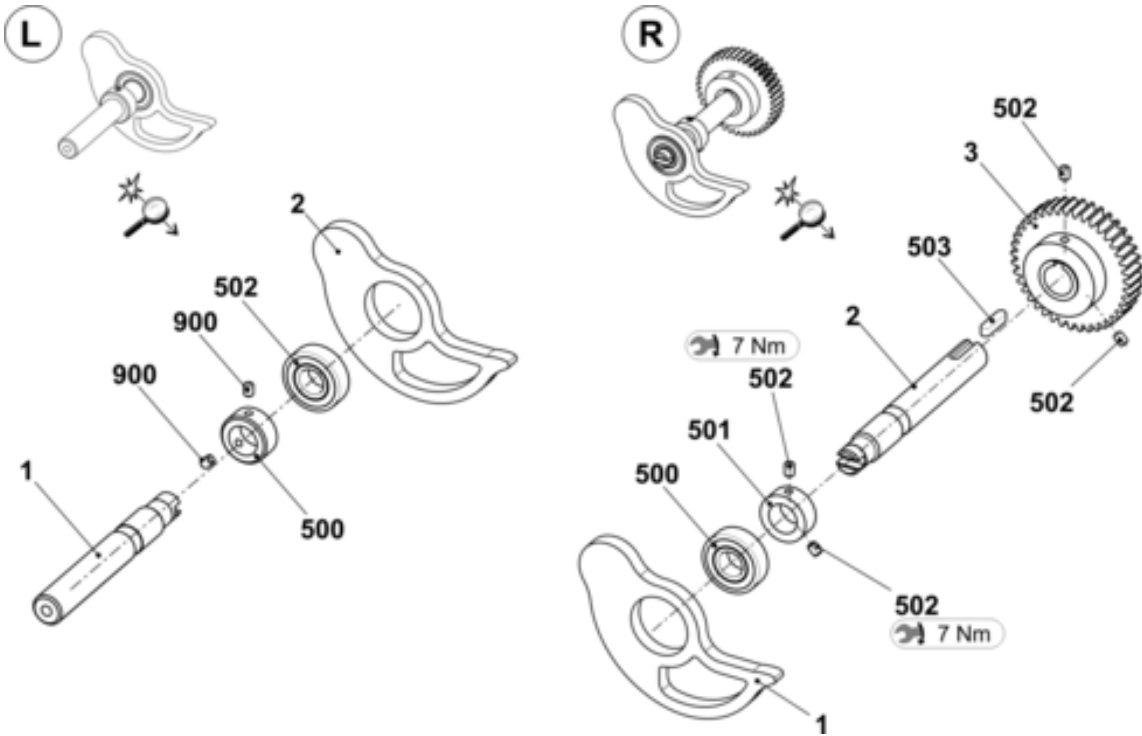
6.1.2.1 Mounting plate

Pos	Designation	ID		Pos	Designation	ID
Σ L	Mounting plate on the left complete	231 725		Σ R	Mounting plate on the right complete	260 090
1	Mounting plate on the left	231 541		1	Mounting plate on the right	260 067
2	Retaining plate on the left	231 539		2	Shoulder screw	240 067
500	Pan-head screw M5x10	023 247		3	Retaining plate on the right	240 066
501	Serrated lock washer J5,3	022 489		500	Hexagon nut M4-6	022 536
				501	Microswitch	026 259
				502	Cap screw M3x16	022 583
				503	Cap screw M5x8	244 278
				504	Washer5-200	020 871



6.1.2.2 Full floating axle

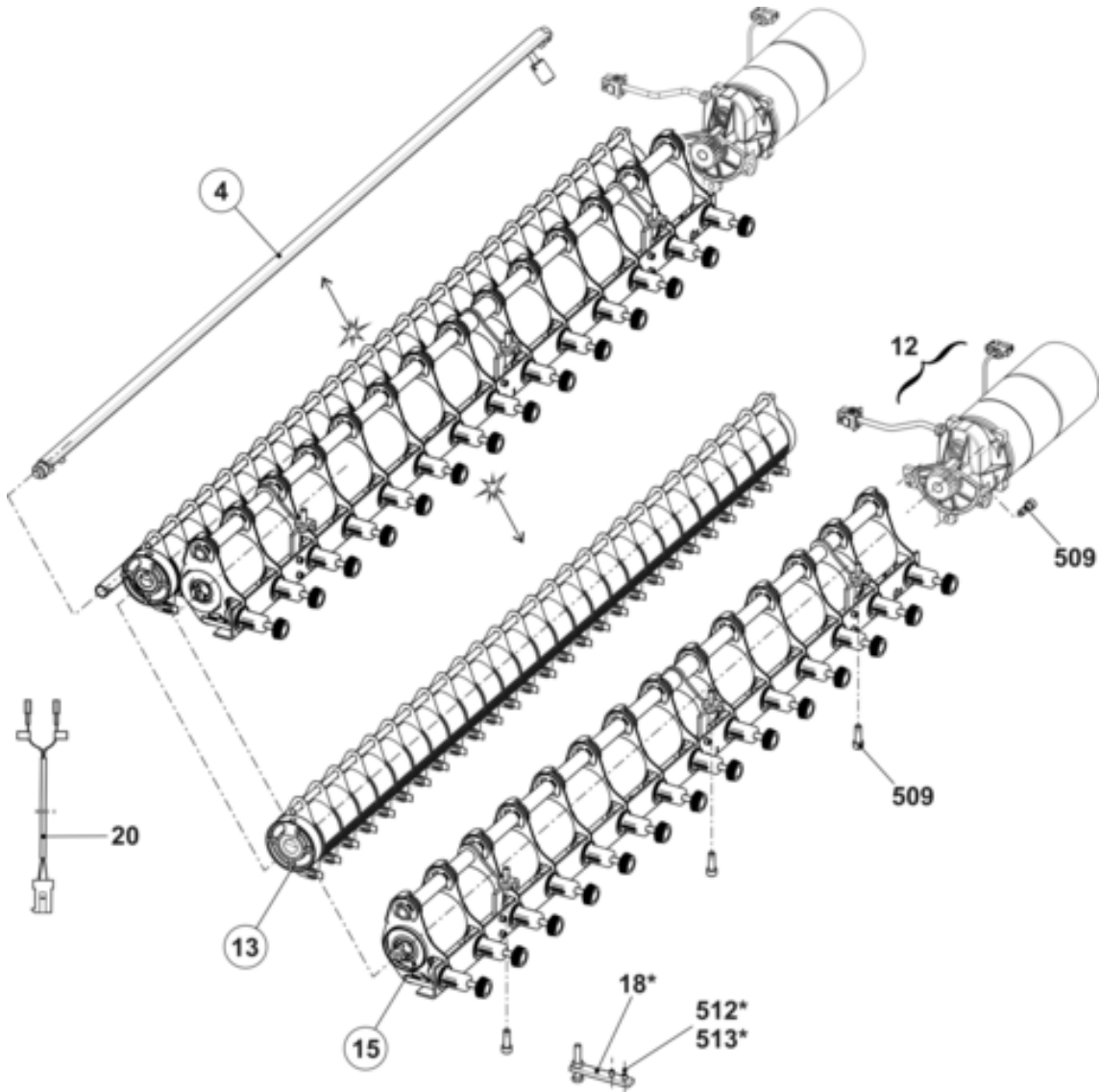
Pos	Designation	ID		Pos	Designation	ID
Σ L	Full floating axle on the left	251 984		Σ R	Full floating axle on the right	251 985
1	Shaft on the left at the front	221 013		1	Eccentric	251 959
2	Eccentric	251 959		2	Shaft on the right	223 393
500	Set collar	020 938		3	Gear wheel Z=40, M=2	213 744
502	Fitting 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 Main take-down

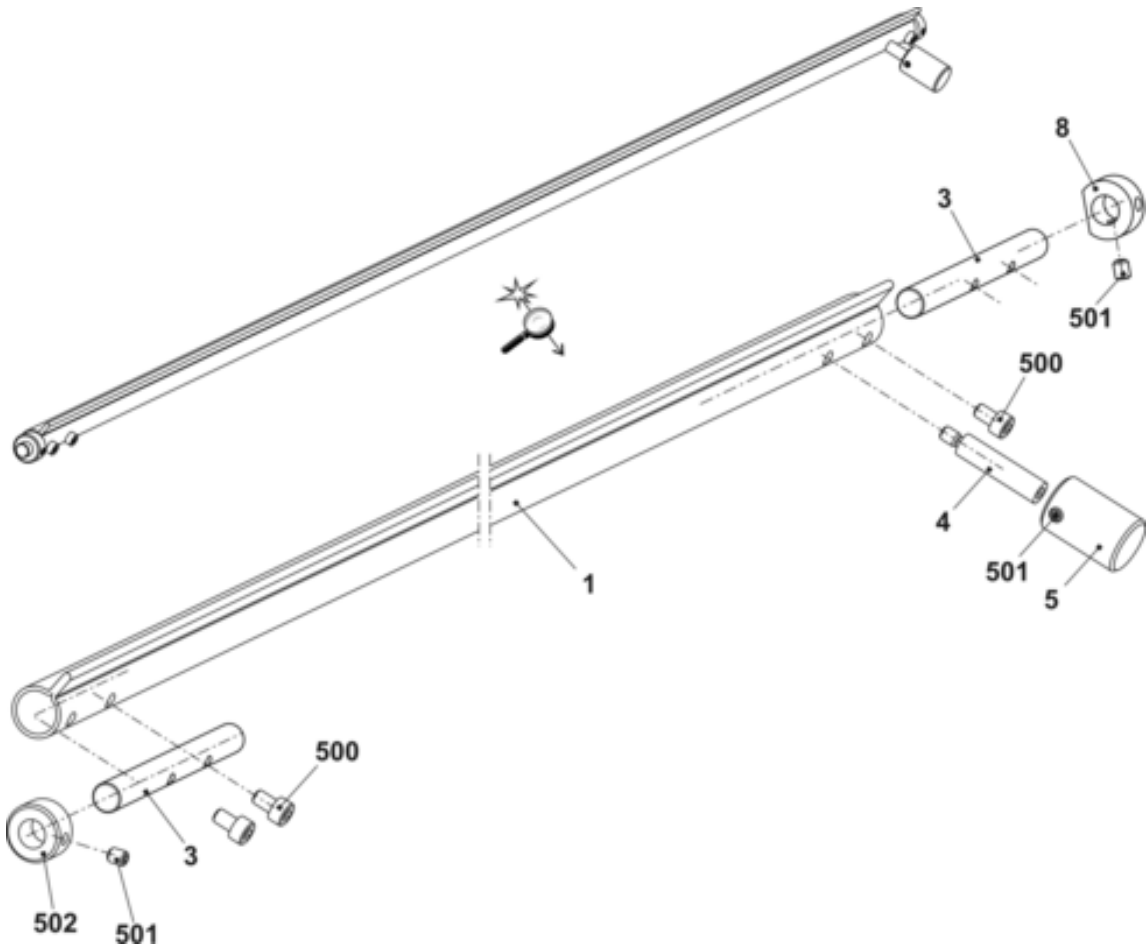
6.1.3 Main take-down in the middle

Pos	Designation	ID		Pos	Designation	ID
Σ	Main take-down in the middle E5-14	253 525		20	Connection cable winding plate	241 703
4	Stripper angle at the rear complete	259 986		509	Cap screw M8x25	020 142
12	Motor take-down unit complete	253 803		18*	Stop point	253 432
13	Take-down roller at the rear complete E5-14	253 853		512*	Washer6	020 881
15	Take-down roller at the front complete	241 426		513*	Pan-head screw M6x16	023 124



6.1.3.1 Stripper angle

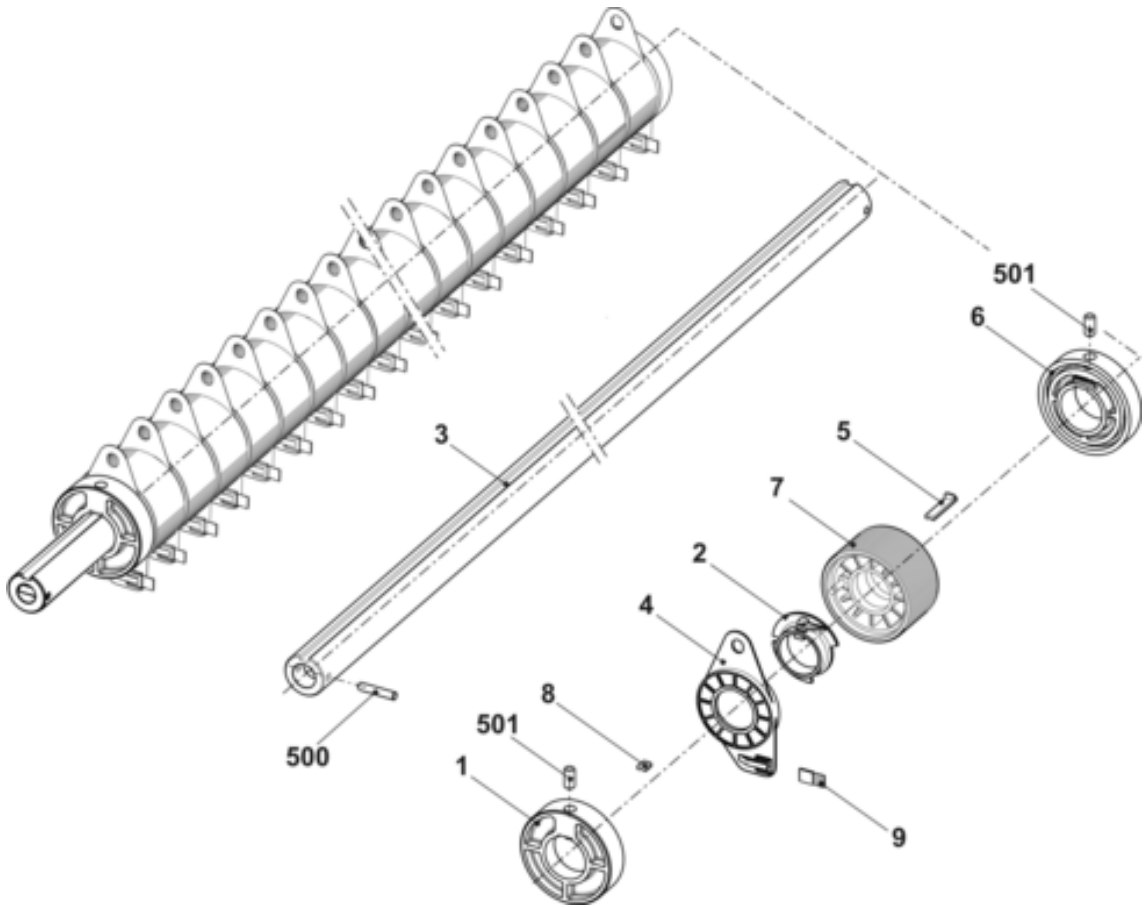
Pos	Designation	Id		Pos	Designation	Id
Σ	Stripper angle at the rear complete	259 986				
1	Stripper angle	259 973		5	Adjustment weight	229 248
3	Axle	259 969		500	Cap screw M5x8	023 319
8	Cam	260 109		501	Setscrew M5x6	022 738
4	Bolts	228 310		502	Set collar	020 934



6.1 Main take-down

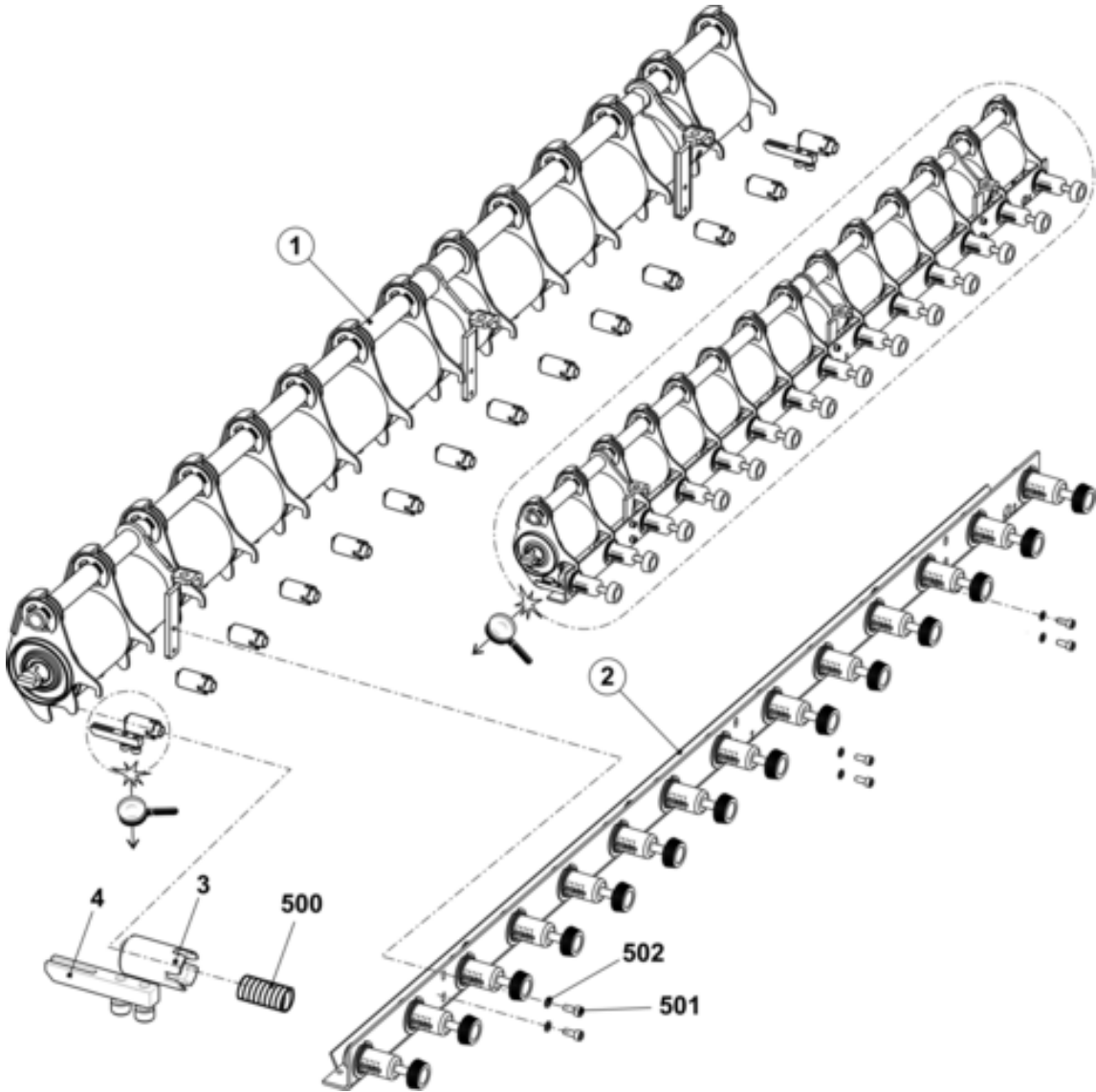
6.1.3.2 Rear take-down roller

Pos	Designation	ID		Pos	Designation	ID
Σ	Take-down roller at the rear complete E5-14	253 853				
1	Ring on the left	255 830		7	Roller E5-14	206 770
2	Stop ring on the left	204 369		8	Spacer slide	222 062
3	Wave	221 011		9	Brush	225 819
4	Stripper	241 612		12	Rod	253 301
5	Spacer slide	240 104		500	Dowel pin 6x32	020 685
6	Ring on the right	255 831		501	Setscrew M8x16	258 910



6.1.3.3 Front take-down roller

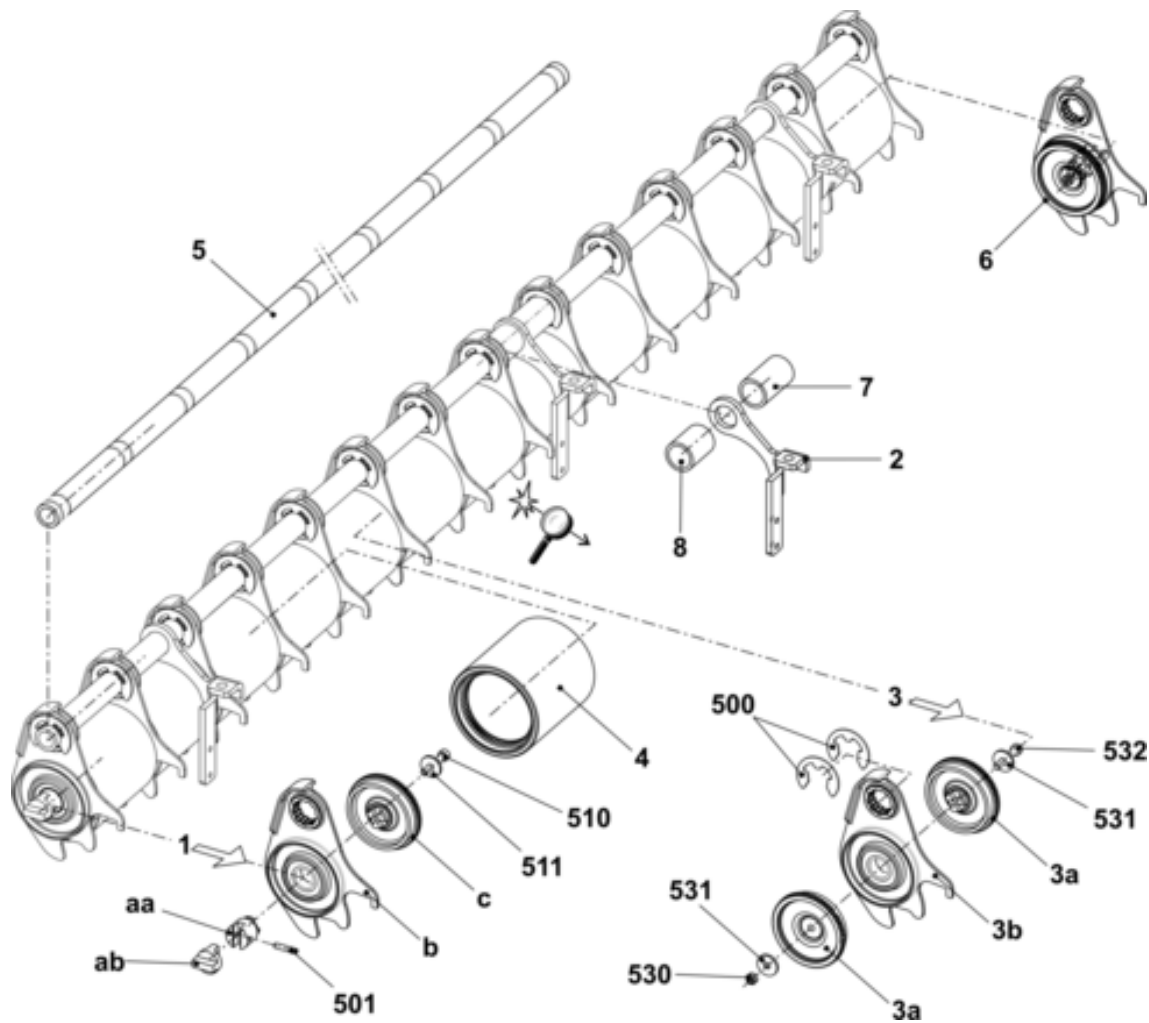
Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller at the front complete	241 426		4	Locating piece	221 935
1	Take-down roller at the front	221 243		500	Compression spring 1x10x30	023 741
2	Angle rail complete	241 425		501	Cap screwM5x12	020 132
3	Pressure sleeve	220 911		502	Washer5-200	020 880



6.1 Main take-down

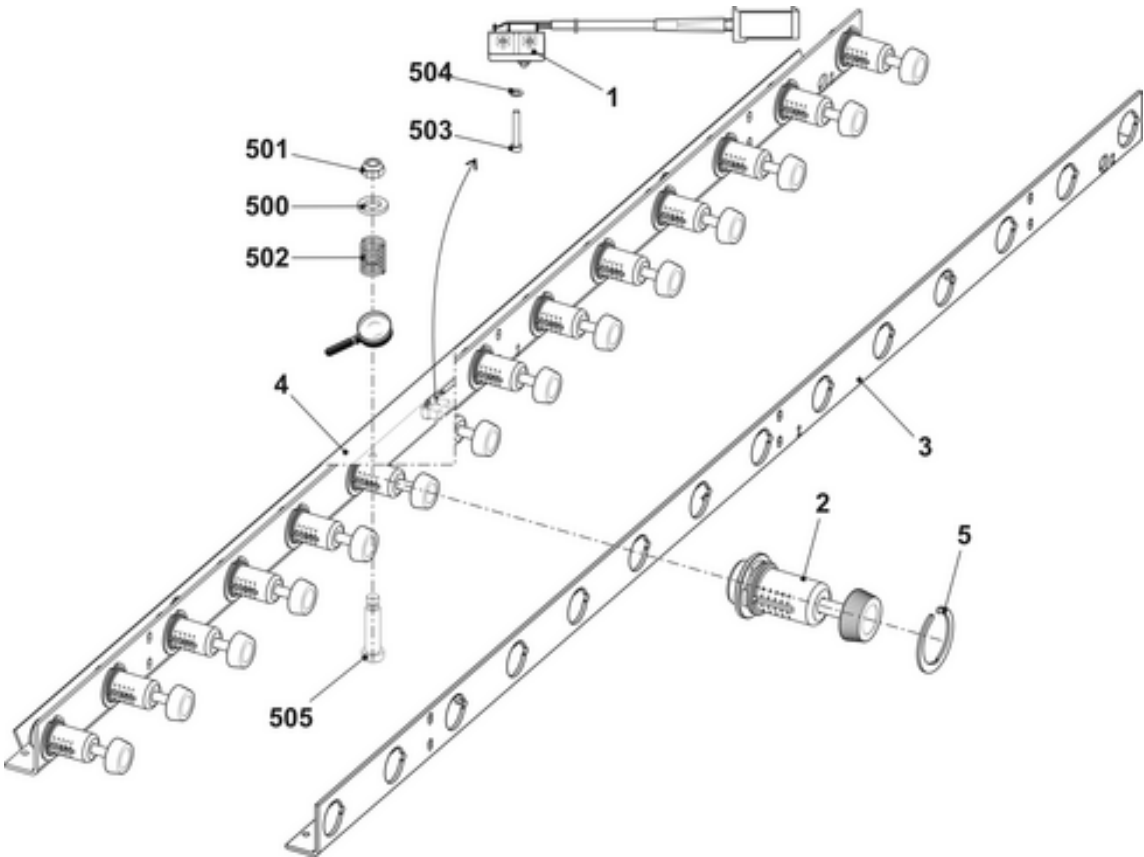
6.1.3.3.1 Front roller elements

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 screwM5x20	020 133			c	Gear wheel	220 910
	511	Washer5	023 542			501	Spring dowel sleeve 4x20	023 551
						510	Cap screwM5x20	020 133
2	Support		251 557			511	Washer5	023 542
3	Bearing support complete		221 241		7	Spacer pipe on the right		253 407
	3b	Bearing support	220 913		8	Spacer pipe on the left		253 408
	3a	Gear wheel	220 910		500	Circlip		021 025
	530	Hexagon nut M5	023 541					
	531	Washer5-100hv	023 542					
	532	Cap screwM5x30	022 396					



6.1.3.3.2 Pressure angle rail

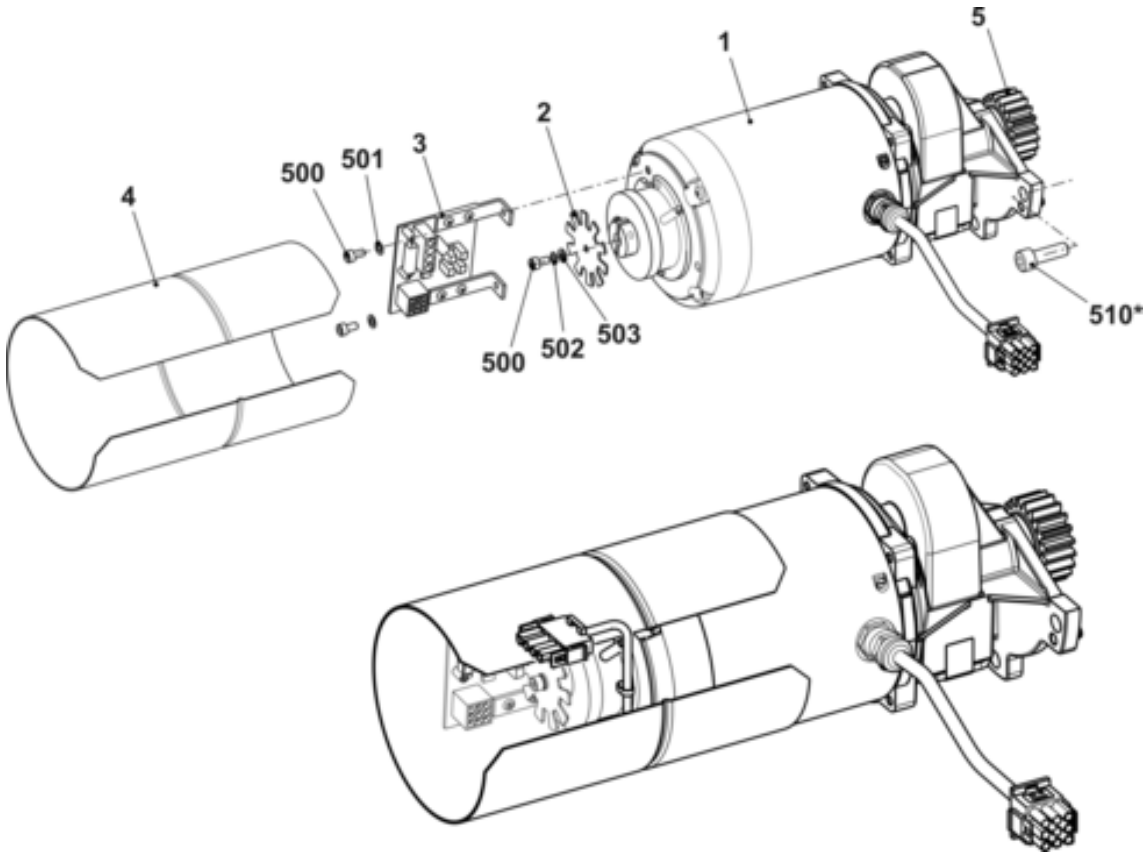
Pos	Designation	Id		Pos	Designation	Id
Σ	Angle rail complete	241 425		500	Washer6-200	022 431
1	Switch complete with cable	221 265		501	Hexagon nut M5-8	023 541
2	Spring flange	242 327		502	Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	241 773		503	Cap screwM2x12	023 522
4	Winding plate	221 101		504	Washer2-200	022 908
5	Locking ring	242 325		505	Shoulder screw M5x20x5	023 675



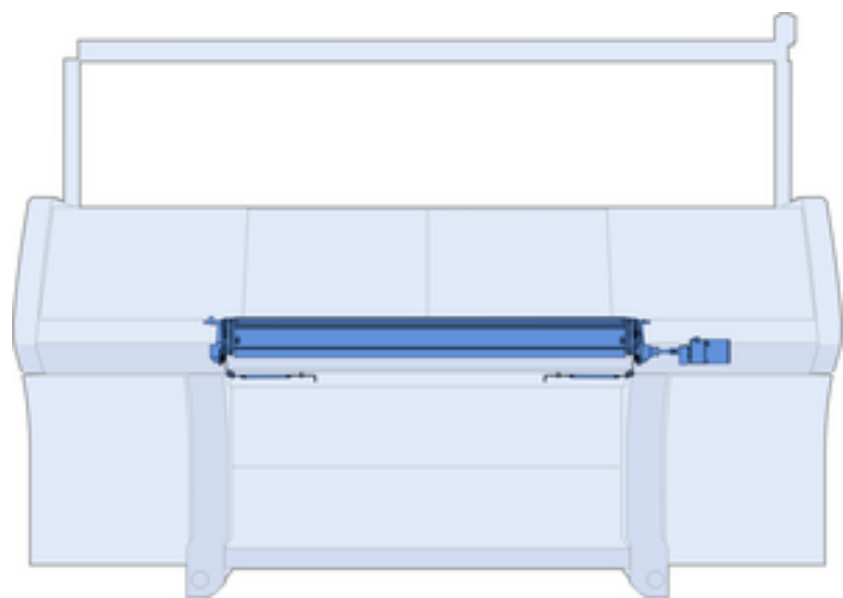
6.1 Main take-down

6.1.3.4 Impulse sensor and motor

Pos	Designation	ID		Pos	Designation	ID
Σ	Motor take-down unit complete	253 803				
1	Asynchronous torque motor (complete)	257 438		500	Cap screw M4x8	022 501
2	Impulse disc	208 716		501	Washer4-200	020 879
3	Light barrier take-down + comb	300 744		502	Circlip	022 774
4	Cover	212 262		503	Shim ring 4x8x1	023 369
5	Gear wheel	241 668		510*	Cap screw M8x25	020 142

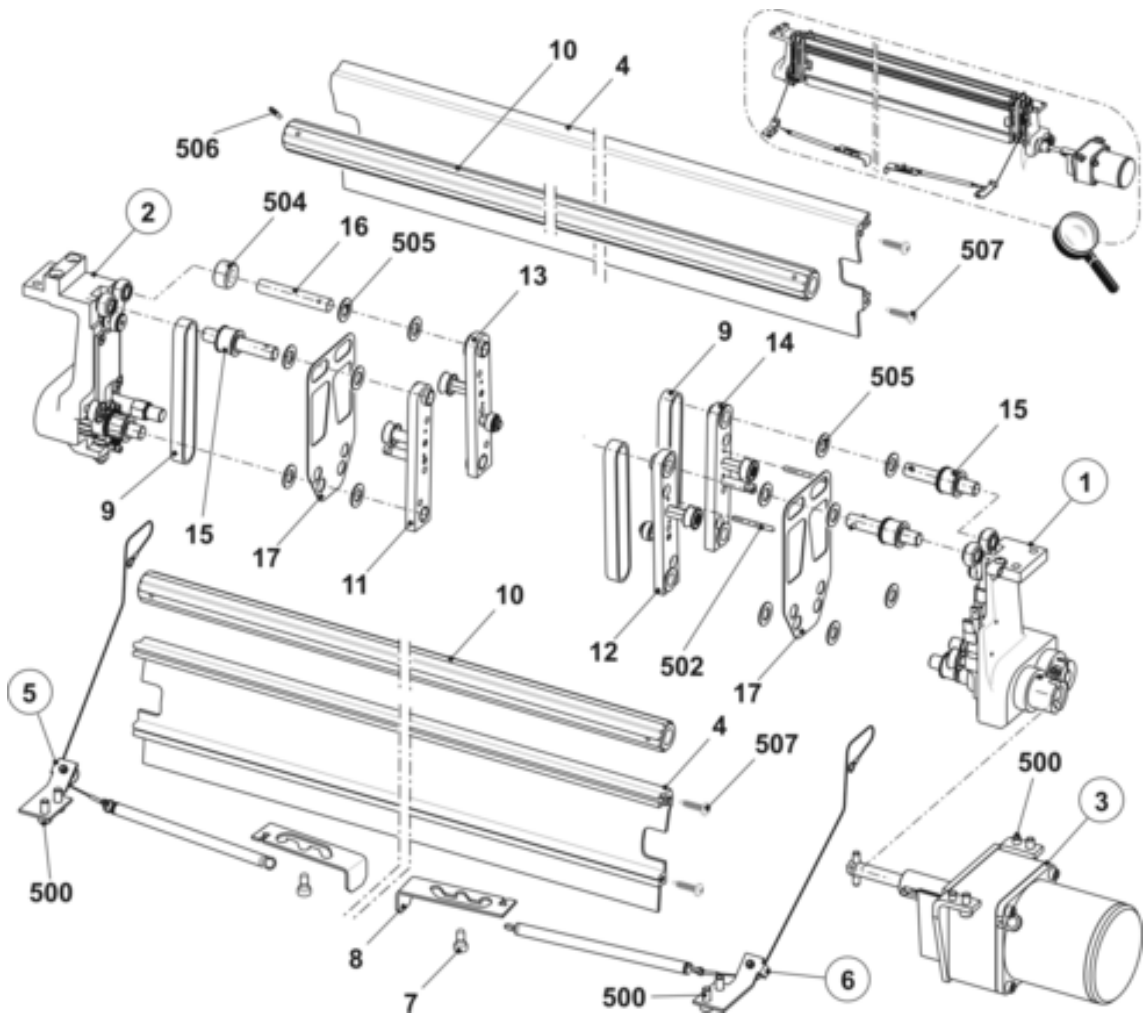


7 Auxiliary take-down



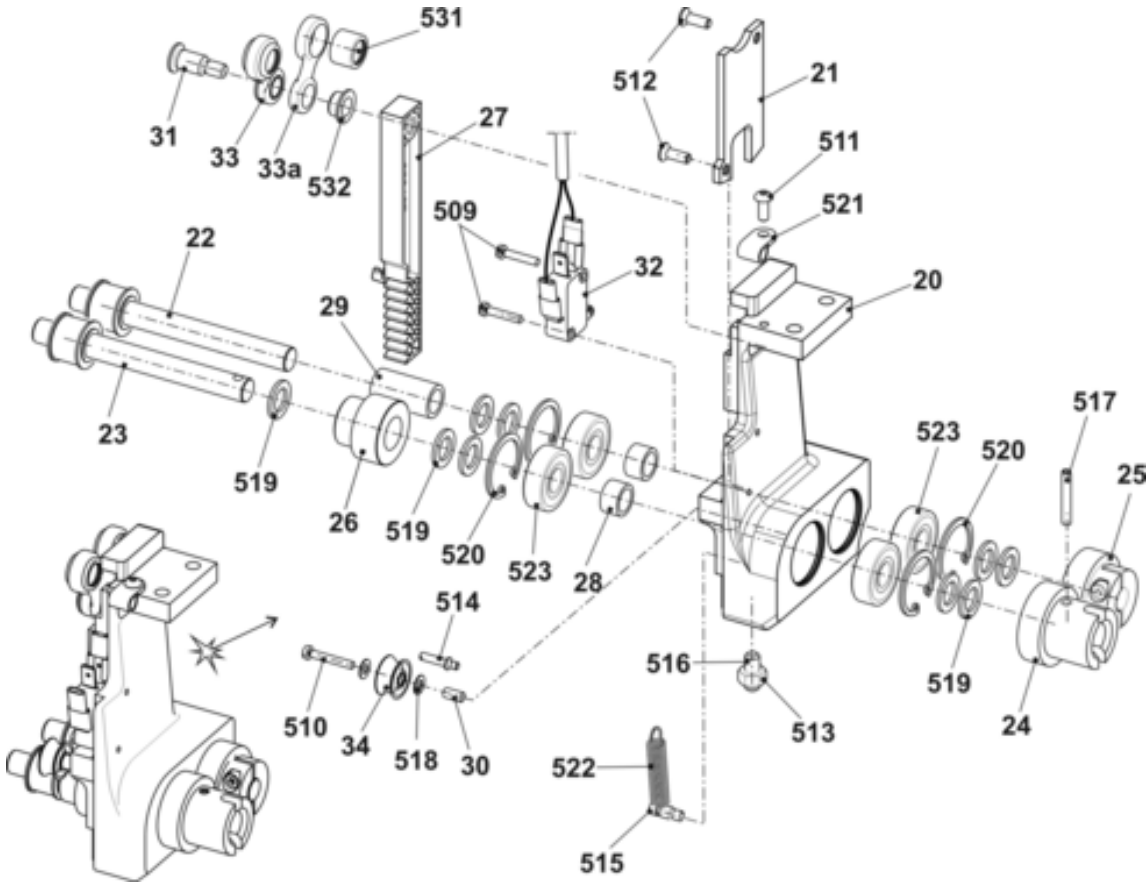
7.1 Auxiliary Take-down Values

Pos	Designation	ID	Pos	Designation	ID
Σ	Auxiliary take-down		12	Lever at the front on the right	227 262
1	Bearing on the right complete	239 996	13	Lever at the rear on the left	227 261
2	Bearing on the left complete	239 999	14	Lever at the rear on the right	227 260
3	Take-down motor complete auxiliary take-down	214 449	15	Toothed belt pulley complete	226 708
4	Guide plate	213 362	16	Bolts	227 914
5	Metal angle on the left complete	225 013	17	Protective plate	225 754
6	Metal angle on the right complete	225 014	500	Cap screw M6x12	020 134
7	Shoulder screw	207 101	502	Shoulder screwM3x27x32	023 634
8	Detent plate	222 040	504	Set collar	020 934
9	Toothed belt10T5/260	208 832	505	Stop disk	023 646
10	Take-down roller	224 891	506	Spring dowel sleeve 3x20	020 776
11	Lever at the front on the left	227 263	507	Sheet metal screw St4,8x22-	023 259



7.2 Right bearing of the auxiliary take-down

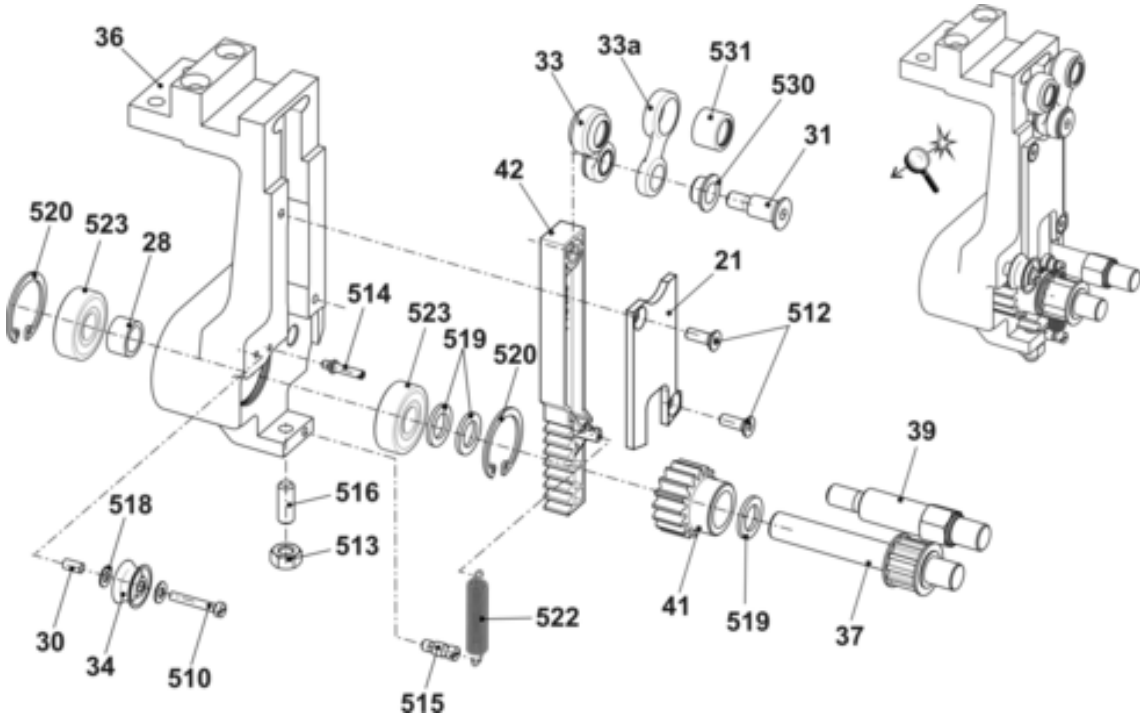
Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right complete		532	Slide bearing GFM-081014-06	023 358
20	Bearing block on the right	258 913	34	Roller deflector	218 805
21	Cover	257 466	500	Cap screw M3x16	022 560
22	Drive shaft complete	227 857	510	Cap screw M3x20	022 448
23	Drive shaft complete	227 853	511	Pan-head screw M4x10	023 450
24	Gear wheel M=1,5, Z=20	213 880	512	Countersunk head screw M4x12	023 062
25	Gear wheel M=1,5, Z=20	210 504	513	Hexagon nutM6-6	020 836
26	Gear wheel on the right complete	218 524	514	Threaded bolt with shoulder	243 226
27	Gear rack on the right	253 487	515	Shoulder screw M4x9x14	020 602
28	Threaded spacer	229 683	516	SetscrewM6x16-45	023 092
29	Sleeve	227 257	517	Spiral pin 4x24	023 544
30	Sleeve	239 997	518	Shim ring 4x8x0,5	023 384
31	Collar bolt	210 551	519	Shim ring 10x16x1,5	023 261
32	Cable with switch auxiliary take-downokc	243 142	520	Locking ring26x1,2	023 359
33	Connecting rod complete	226 710	521	Fastening clip 255/5,2	008 335
33a	Connecting rod	255 696	522	Tension spring 7,5x0,7x28	023 595
531	Needle bearingHK1010	023 664	523	Grooved ball bearing 6000-2Z	022 599



7.3 Left bearing of the auxiliary take-down

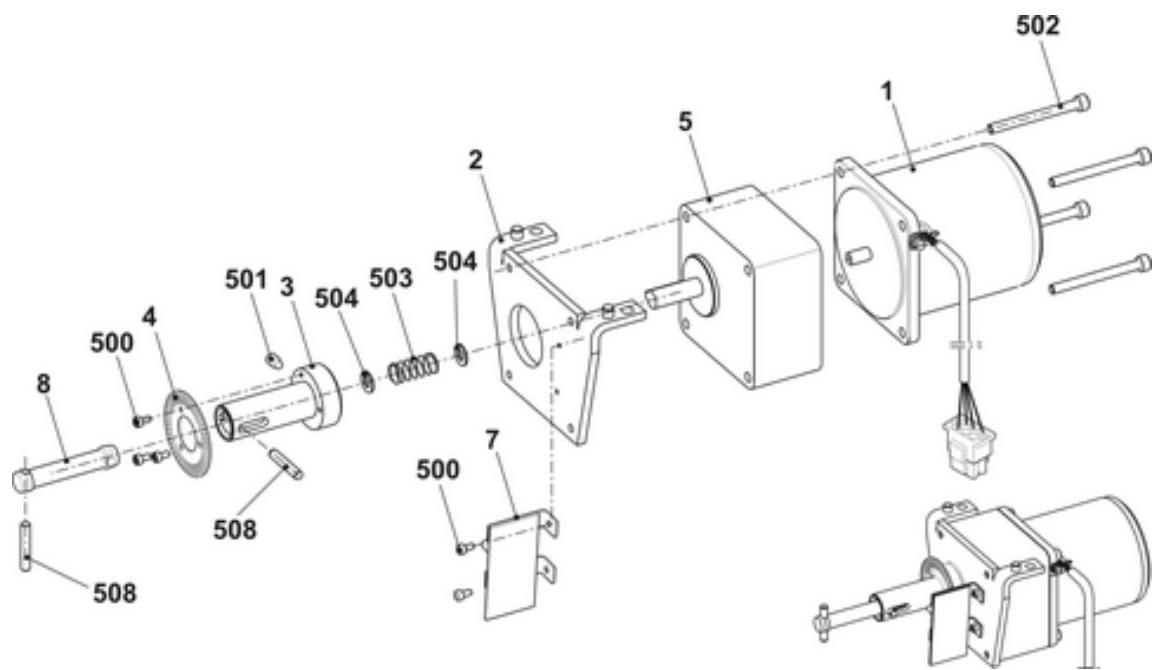
7.3 Left bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the left		41	Gear wheel on the left complete	218 523
21	Cover	257 466	42	Gear rack on the left	253 488
28	Threaded spacer	229 683	510	Cap screw M3x20	022 448
30	Sleeve	239 997	512	Countersunk head screw M4x12	023 062
31	Collar bolt	210 551	513	Hexagon nutM6-6	020 836
33	Connecting rod complete		514	Threaded bolt with shoulder	243 226
	33a	Connecting rod	515	Shoulder screw M4x9x14	020 602
	530	Slide bearing GFM-081014-06	516	SetscrewM6x16-45	023 092
	531	Needle bearingHK1010	518	Shim ring 4x8x0,5	023 384
34	Roller deflector	218 805	519	Shim ring 10x16x1,5	023 261
36	Bearing block on the left	258 914	520	Locking ring26x1,2	023 359
37	Drive shaft complete	227 887	522	Tension spring 7,5x0,7x28	023 595
39	Bolts	226 705	523	Grooved ball bearing 6000-2Z	022 599



7.4 Motor

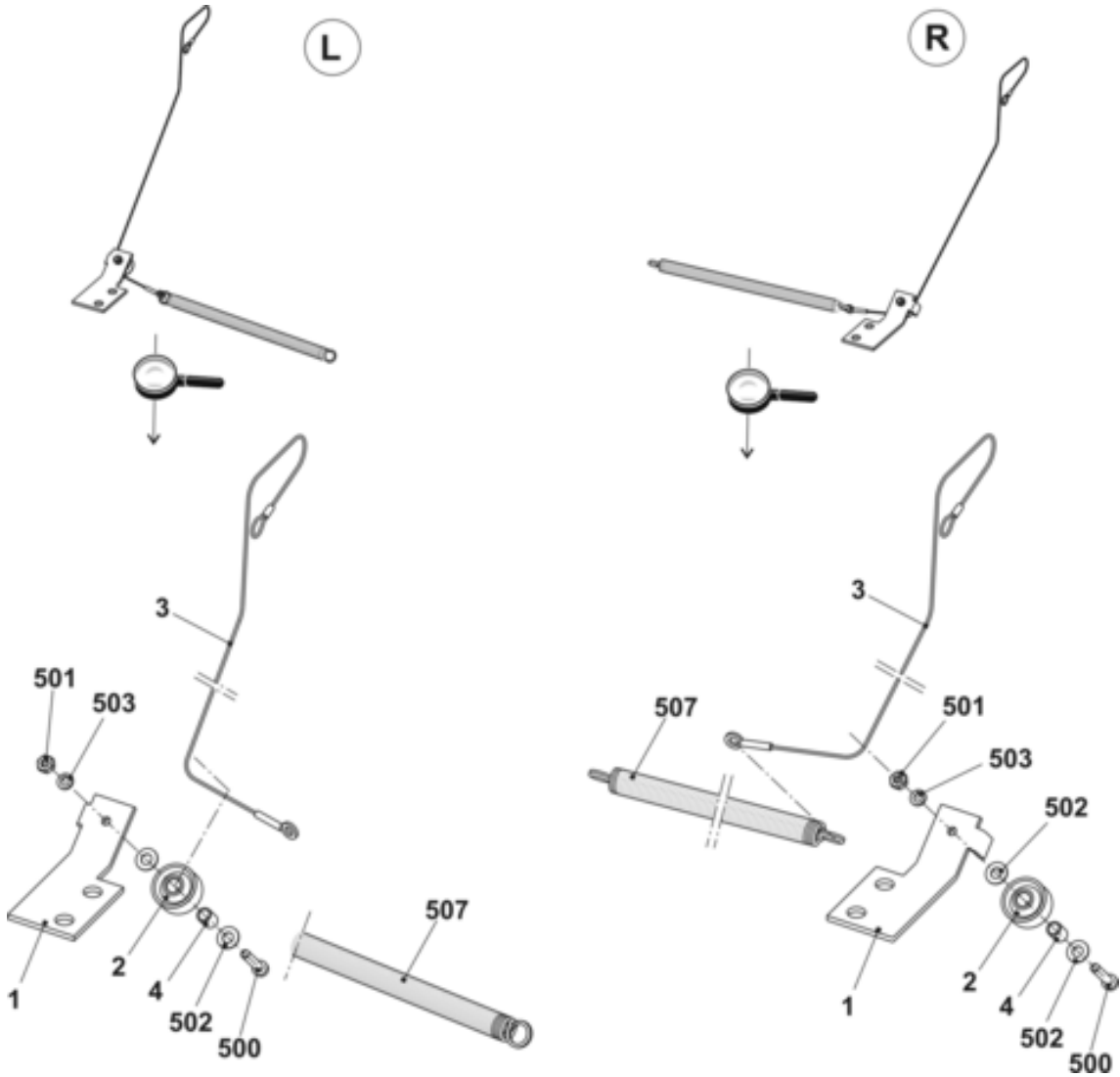
Pos	Designation	Id		Pos	Designation	Id
Σ	Motor auxiliary take-down complete	214 449		8	Shaft	219 025
1	Motor auxiliary take-down	213 871		500	Cap screwM3x6	022 589
2	Motor bracket	218 040		501	Setscrew M6x10	023 543
3	Drive sleeve	219 024		502	Cap screwM5x55	023 321
4	Impulse disc	218 449		503	Compression 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 pin 5x28	241 686



7.5 Metal angle on the left and right complete

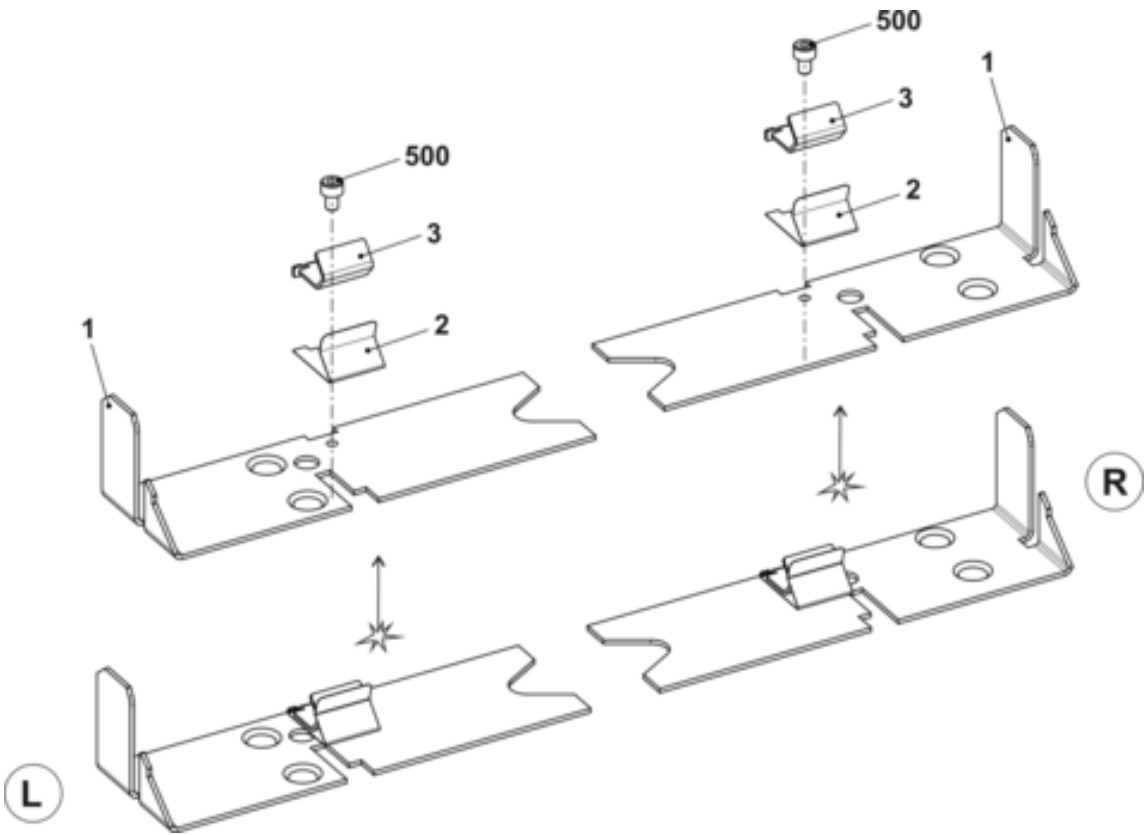
7.5 Metal angle on the left and right complete

Pos	Designation	Id		Pos	Designation	Id
Σ L	Metal angle on the left complete	225 013		Σ R	Metal angle on the right complete	225 014
1	Metal angle on the left	224 920		1	Metal angle on the right	224 931
2	Roller deflector	218 805		2	Roller deflector	218 805
3	Fine rope	224 977		3	Fine rope	224 977
4	Sleeve	227 867		4	Sleeve	227 867
500	Cap screwM3x16	022 560		500	Cap screwM3x16	022 560
501	Hexagon nut M3-6	022 564		501	Hexagon nut M3-6	022 564
502	Shim ring 4x8x0,5	023 384		502	Shim ring 4x8x0,5	023 384
503	Spring washer A3	021 005		503	Spring washer A3	021 005
507	Tension spring 8x0,9x75	021 287		507	Tension spring 8x0,9x75	021 287



7.6 Yarn brake at clamping and cutting bed

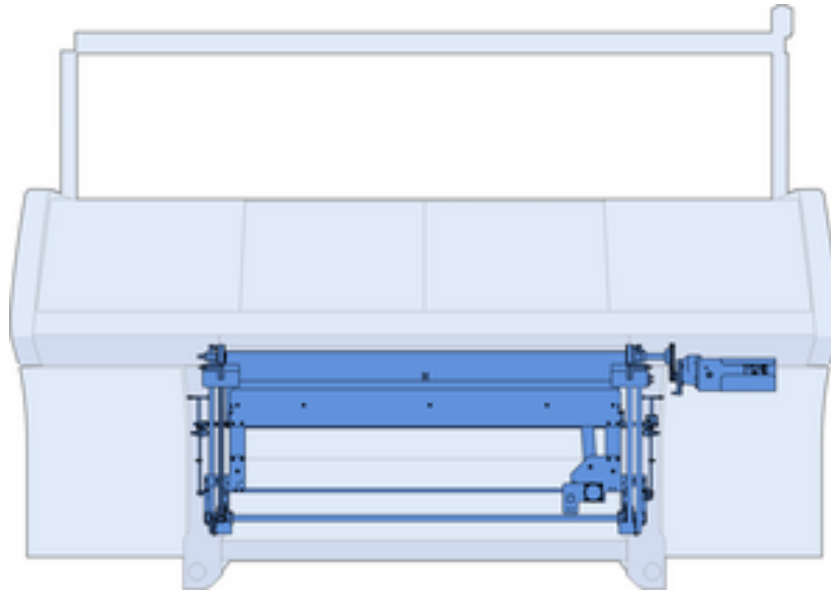
Pos	Designation	Id		Pos	Designation	Id
Σ L	Yarn brake on the left	256 740		Σ R	Yarn brake on the right	256 715
1	Cover on the left	256 739		3	Cover on the right	256 714
2	Leaf spring	256 712		1	Leaf spring	256 712
3	Test clamping plate	256 713		2	Test clamping plate	256 713
500	Cap screwM4x6	023 067		500	Cap screwM4x6	023 067



7.6 Yarn brake at clamping and cutting bed

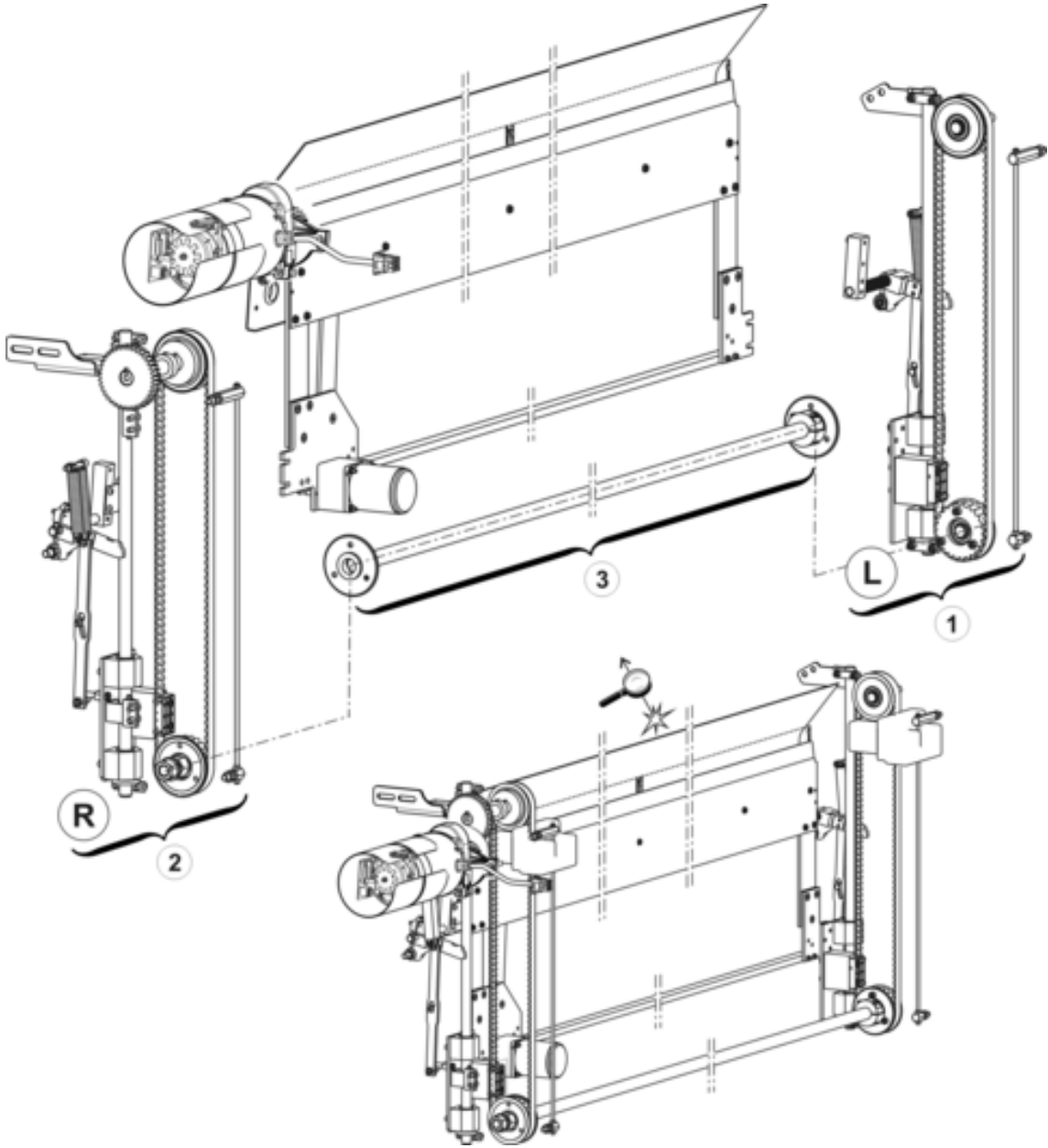
Notes:

8 Comb take-down



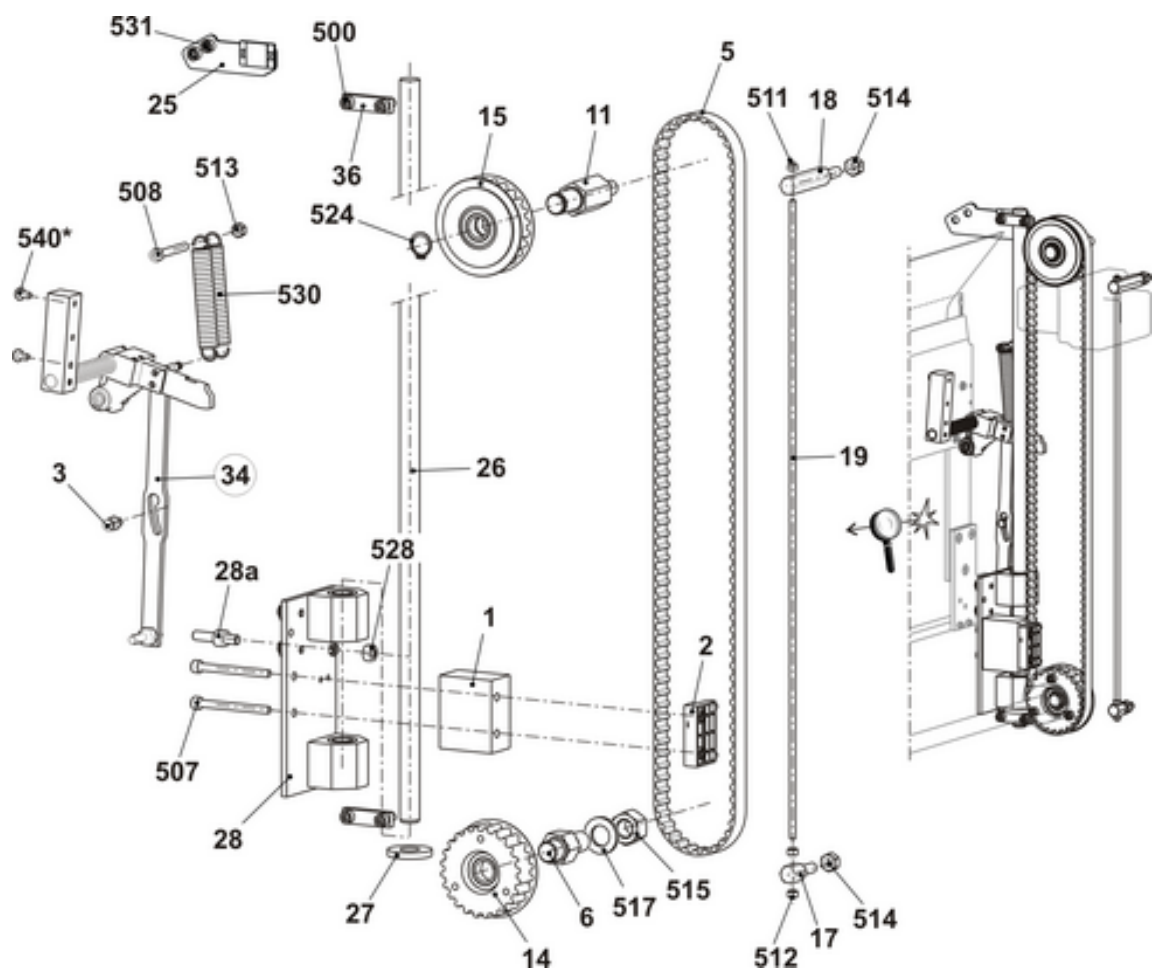
8.1 Comb take-down

Pos	Designation	ID		Pos	Designation	ID
Σ	Comb take-down			3	Remaining parts of comb take-downE3	253 622
1	Comb take-down on the left	256 834			Remaining parts of comb take-downE7 (E3,5)	253 587
2	Comb take-down on the right	256 835			Remaining parts of comb take-downE8 (E4)	253 588



8.2 Comb take-down on the left

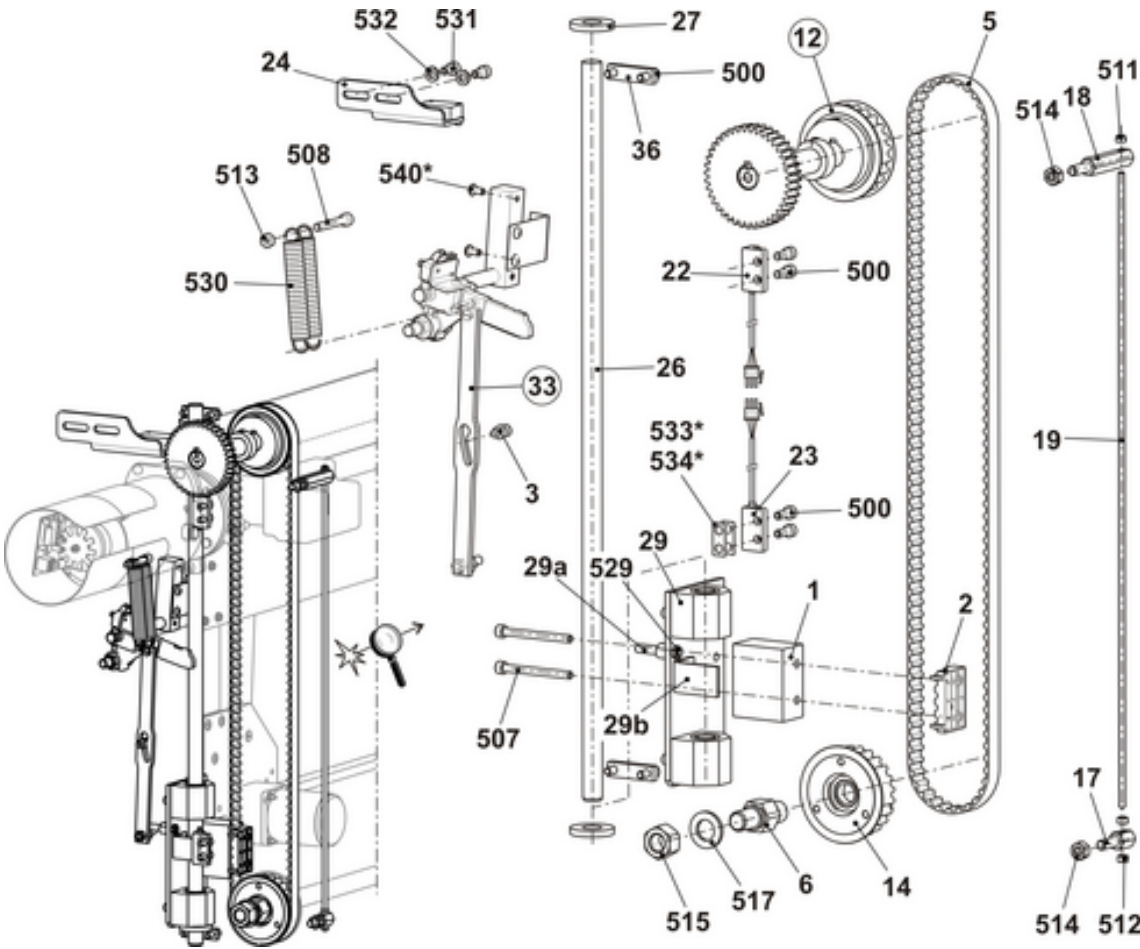
Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the left	256 834			
1	Clamping piece	209 379	528	Hexagon nut M8-6	020 838
2	Pressure plate	241 967	34	Swivel lever on the left	252 859
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric 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	Washer16	020 876
26	Guide bar C35	206 560	524	Locking ring17x1	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

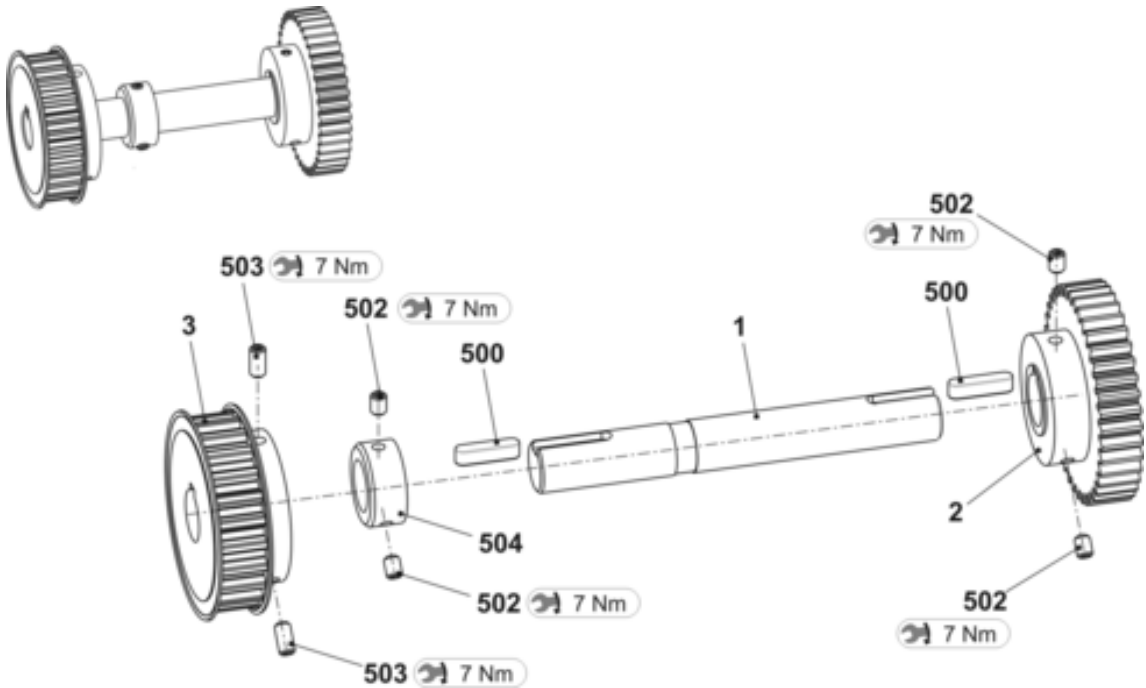
8.3 Comb take-down on the right

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

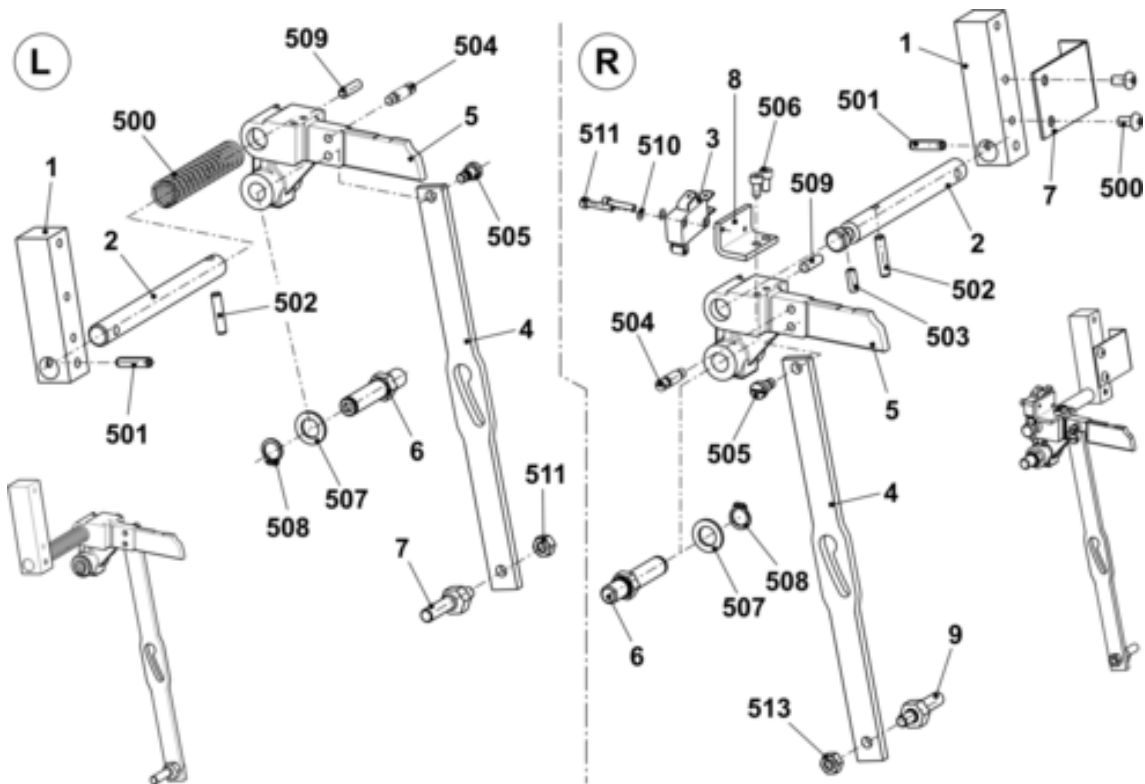
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive shaft comb complete	214 583				
1	Shaft	213 969		500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744		502	Setscrew M6x8	022 684
	Always order position 502 additionally			503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394		504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



8.3 Comb take-down on the right

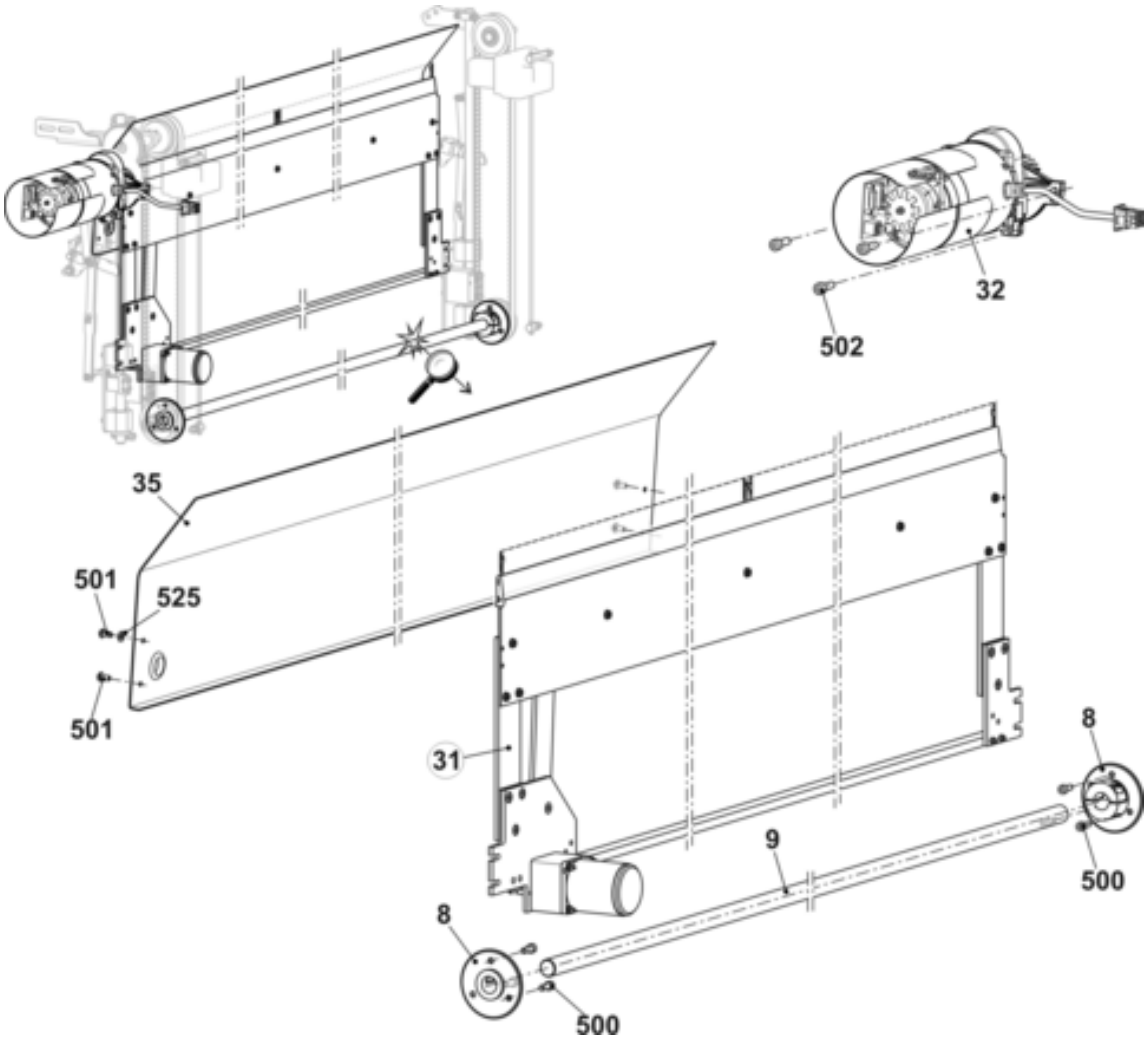
8.3.2 Swivel lever comb take-down

Pos	Designation	Id		Pos	Designation	Id
Σ L	Swivel lever on the left	252 859		Σ R	Swivel lever on the right	252 858
1	Support	252 780		1	Support	252 780
2	Shaft	223 994		2	Shaft	238 339
4	Plunger	255 650		3	Microswitch	026 259
5	Swivel lever	239 248		4	Plunger	255 650
6	Bolt	214 053		5	Swivel lever	239 248
7	Eccentric bolt	255 651		6	Bolt	214 053
500	Compression spring 1,4x13,6x93	023 572		7	Angle	224 009
501	Spring dowel sleeve Iso8752-5x20	020 794		8	Angle	238 304
502	Dowel pin 5x22	023 716		9	Eccentric bolt	255 651
504	Shoulder screw M5x29x35	251 618		500	Pan-head screwM5x10	023 247
505	Shoulder screw M5x5,8x6,2	023 365		501	Spring dowel sleeve 5x20	020 794
507	Washer10	020 884		502	Dowel pin 5x22	023 716
508	Locking ring	020 950		503	Spring dowel sleeve 5x12	020 793
509	Shoulder screw M5x12x18	020 539		504	Shoulder screw M5x29x35	251 618
511	Hexagon nut M8-6	020 838		505	Shoulder screw M5X5,8X6,2	023 365
				506	Cap screwM4x8	022 501
				507	Washer10	020 884
				508	Locking ring 10x1	020 950
				509	Shoulder screw M5X12X18	020 539
				510	Cap screwM3x16	022 583
				511	Washer3	020 877
				513	Hexagon nut M8-6	020 838



8.4 Comb take-down in the middle

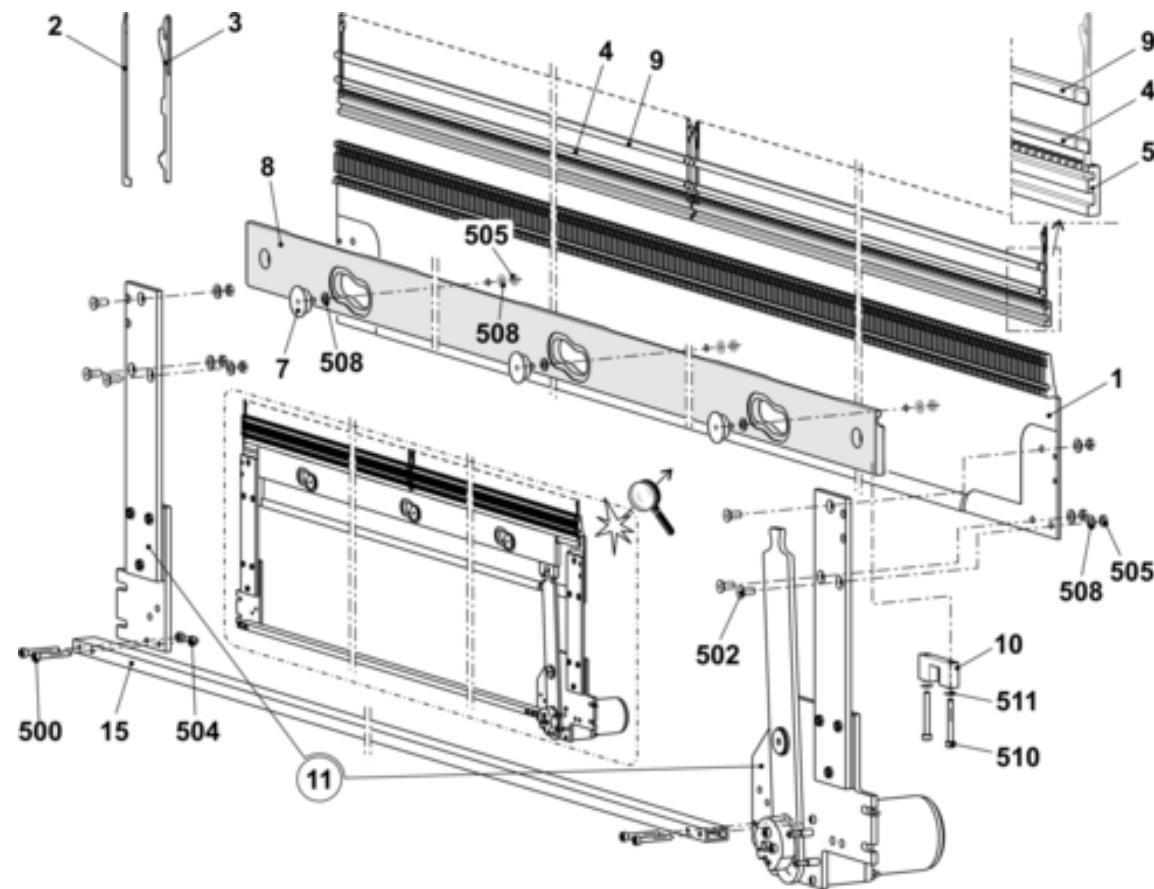
Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down in the middle		31	Comb unit	
	E3	253 622		E3	243 626
	E7 (E3,5)	253 587		E3,5+7 (E3,5)	241 531
	E8 (E4)	253 588		E4+8 (E4)	241 532
8	Flange	207 695	32	Motor take-down unit complete	253 803
9	Shaft long	213 968	35	Marking plate open	259 237
500	Cap 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 Comb take-down in the middle

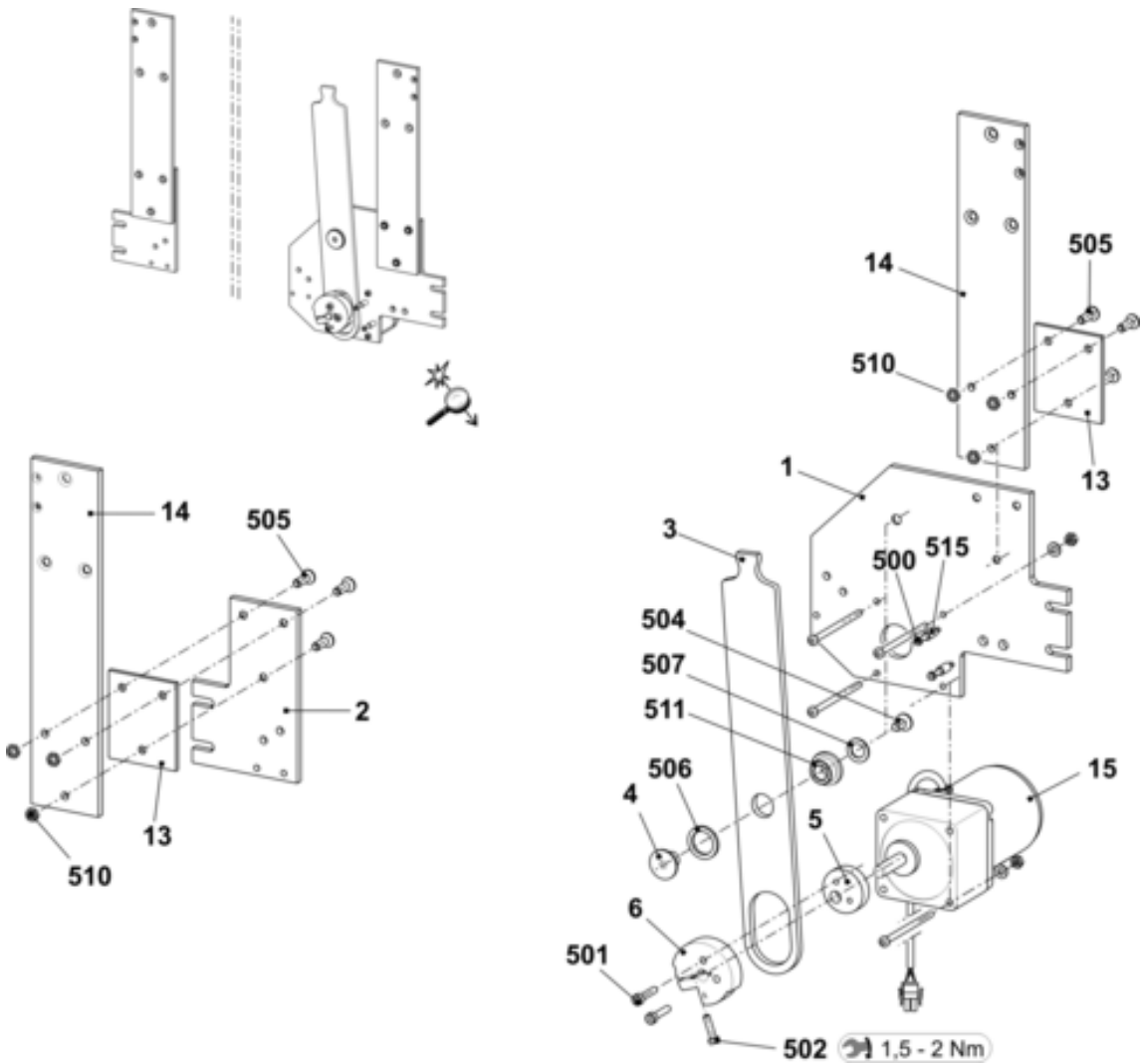
8.4.1 Comb unit

Pos	Designation	ID		Pos	Designation	ID
Σ	Comb unit					
	E3	243 626		7	Collar bolt complete	211 036
	E7 (E3,5)	241 531		8	Cross slider	213 429
	E8 (E4)	241 532		9	Cover rail	222 866
1	Hook bed			10	Plunger	205 678
	E3	221 190		11	Switching lever complete	240 060
	E7	221 194		15	Stabilizer	215 253
	E8	221 195		500	Cap screw M4x30	023 290
2	CloserE3-8	230 105		502	Countersunk head screw M5x12	023 340
3	BodyE3-8	230 093		504	Hexagon nut M4-8	023 046
4	Cover railE3-14	213 428		505	Hexagon nut M5-04	020 854
5	Hook slider			508	Washer5	020 871
	E3	220 992		510	Cap screw M4x35	023 550
	E3,5	220 993		511	Circlip	022 774
	E4	220 994				



8.4.2 Switching lever comb take-down

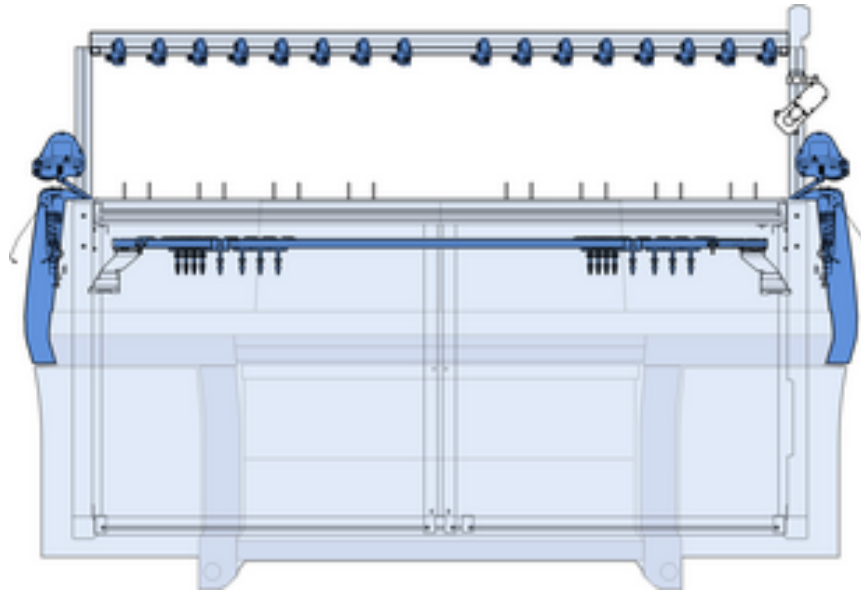
Pos	Designation	ID		Pos	Designation	ID
Σ	Switching lever complete	240 060		500	Cap screwM3x25	023 093
1	Screw-on plate on the right	240 058		501	Cap screwM4x20	023 171
2	Screw-on plate on the left	240 059		502	Cap screwM4x16	023 123
3	Lever	215 228		504	Pan-head screw M6x12	023 435
4	Bearing bolt	215 675		505	Pan-head screw M5x16	023 417
5	Eccentric	205 681		506	Shim ring 16x22x2	023 449
6	Tension cam	215 287		507	Shim ring 10x16x1	023 260
13	Intermediate plate	213 980		510	Hexagon nut M5	020 854
14	Holding plate	218 977		511	Collar bearing 10x16x22	022 841
15	Motor comb hook with 2 phases	244 635		515	Threaded spacer	210 488



8.4 Comb take-down in the middle

Notes:

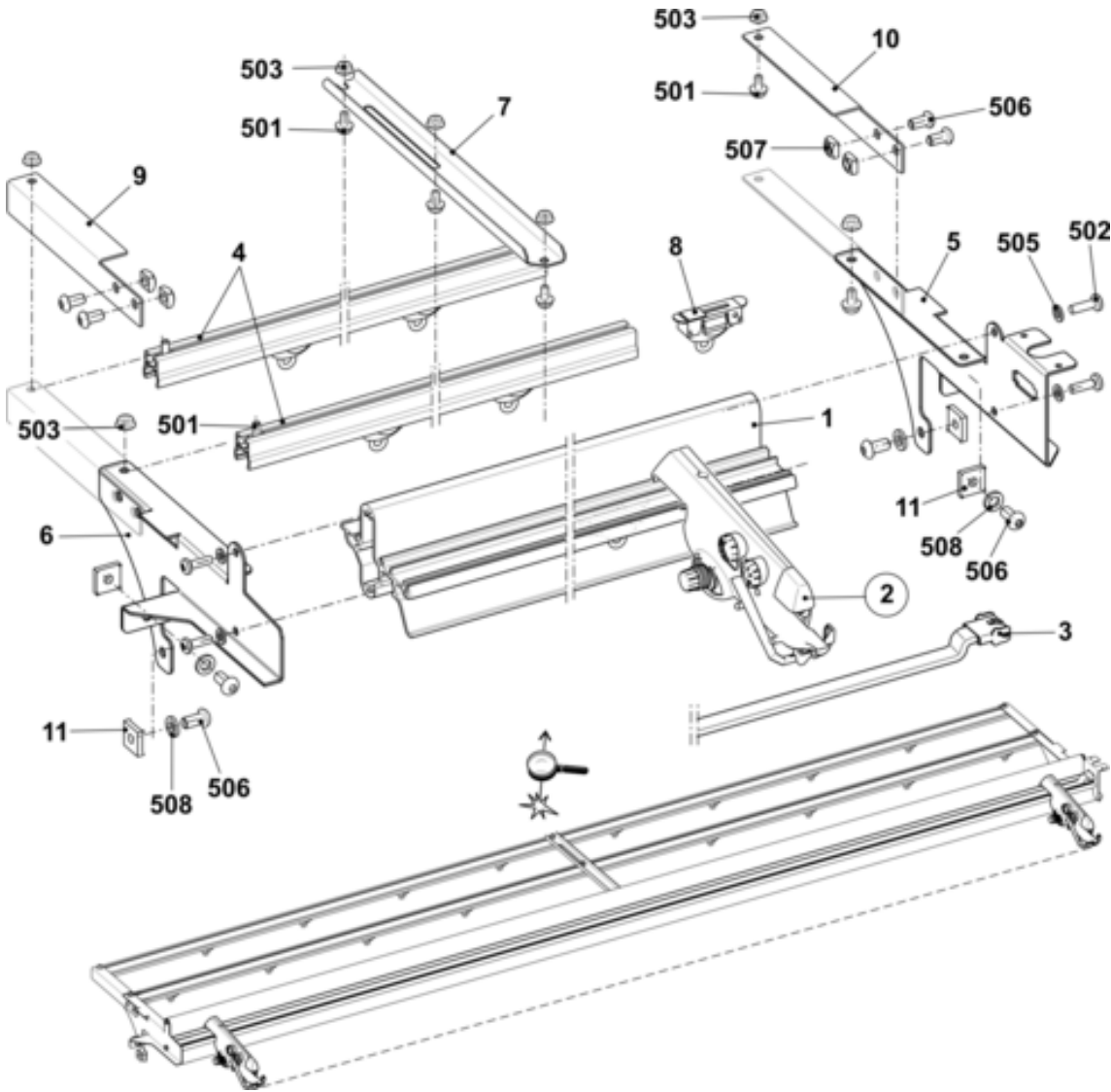
9 Yarn delivery device



9.1 Yarn guide system with 24 FKE

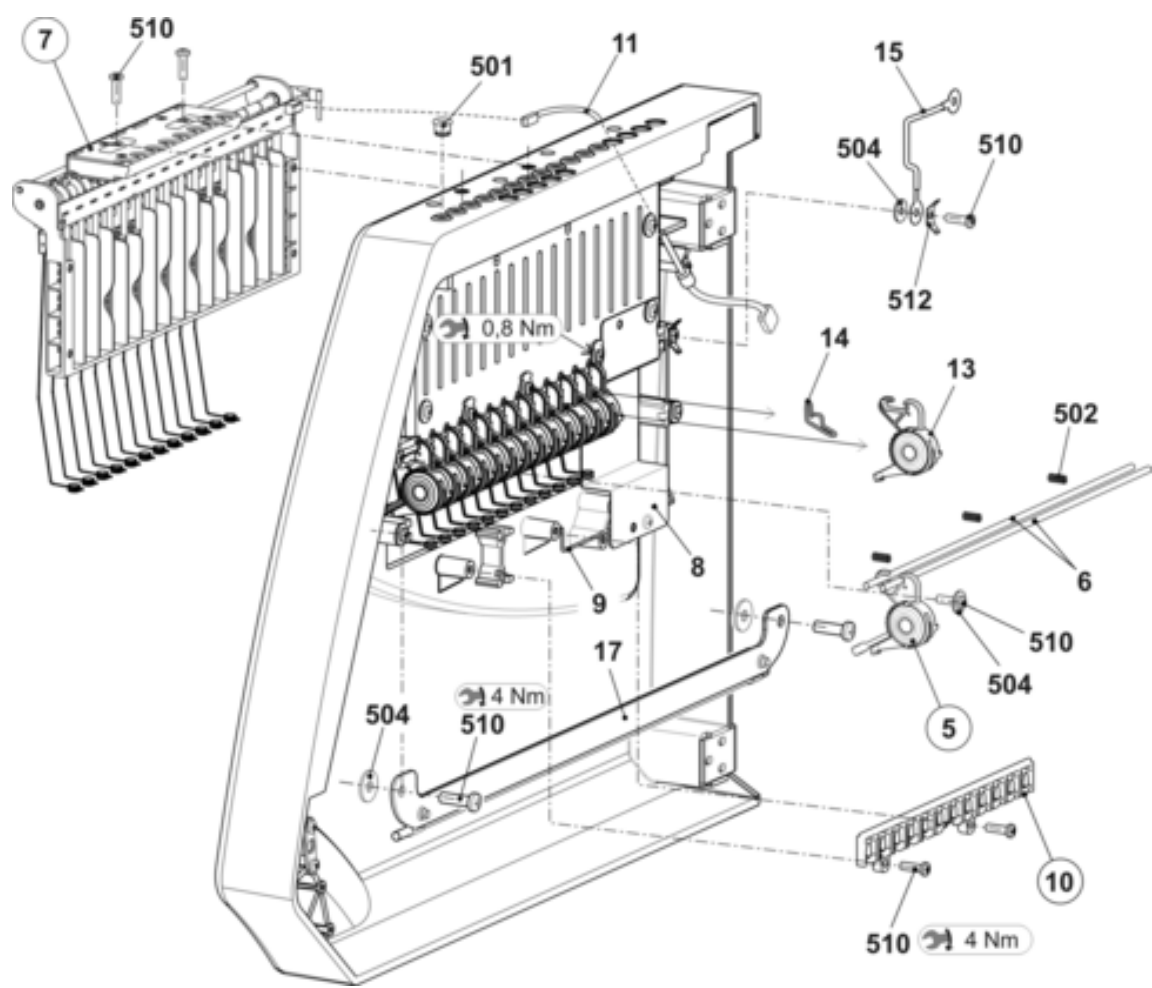
9.1 Yarn guide system with 24 FKE

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn guide system 24 FKE 50"	241 549				
1	Support	243 110		10	Support on the right	243 603
2	Yarn control device(FKE)	237 124		11	Slot nut	228 851
3	Connection cable FKE 50" ECO	254 056		501	Self-locking screw M6x12	023 415
4	Yarn guide bar	240 324		502	Screw M6x20	023 721
5	Support on the right	251 629		503	Serrated nut M6-10	023 414
6	Support on the left	251 630		505	Washer6	022 431
7	Support	239 295		506	Pan-head screw M8x16	023 113
8	Yarn guide bracket complete	241 581		507	Square nut M8	023 269
9	Support on the left	243 602		508	Serrated lock washer	023 388



9.2 Left yarn guide

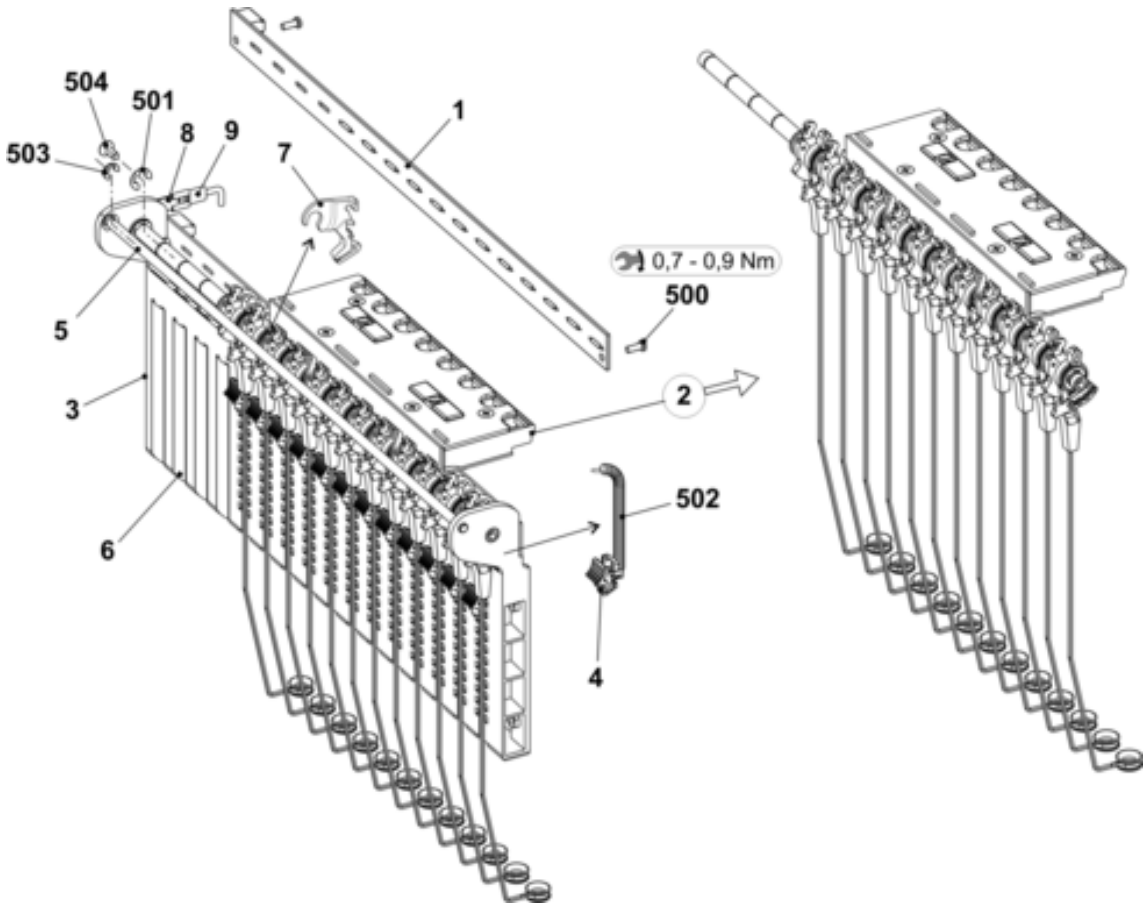
Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete E3-5	241 271			
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Wave	241 318	15	Ground cable	244 404
7	Yarn tensioner on the left complete E3-5	241 363	17	Stop bar on the left complete	258 454
8	Cover	240 783	501	Ceramic eyelet	240 640
9	Wire bow on the left	241 370	502	Compression spring 0,90x5,40x13,60	241 360
10	Yarn deflector	242 011	504	Washer6	022 537
11	Connection cable yarn tensionerokc	240 808	510	Screw KB 60x20	237 682
13	Yarn brake not adjustable	244 356	512	Flat connector 2x45° M6	243 117



9.2 Left yarn guide

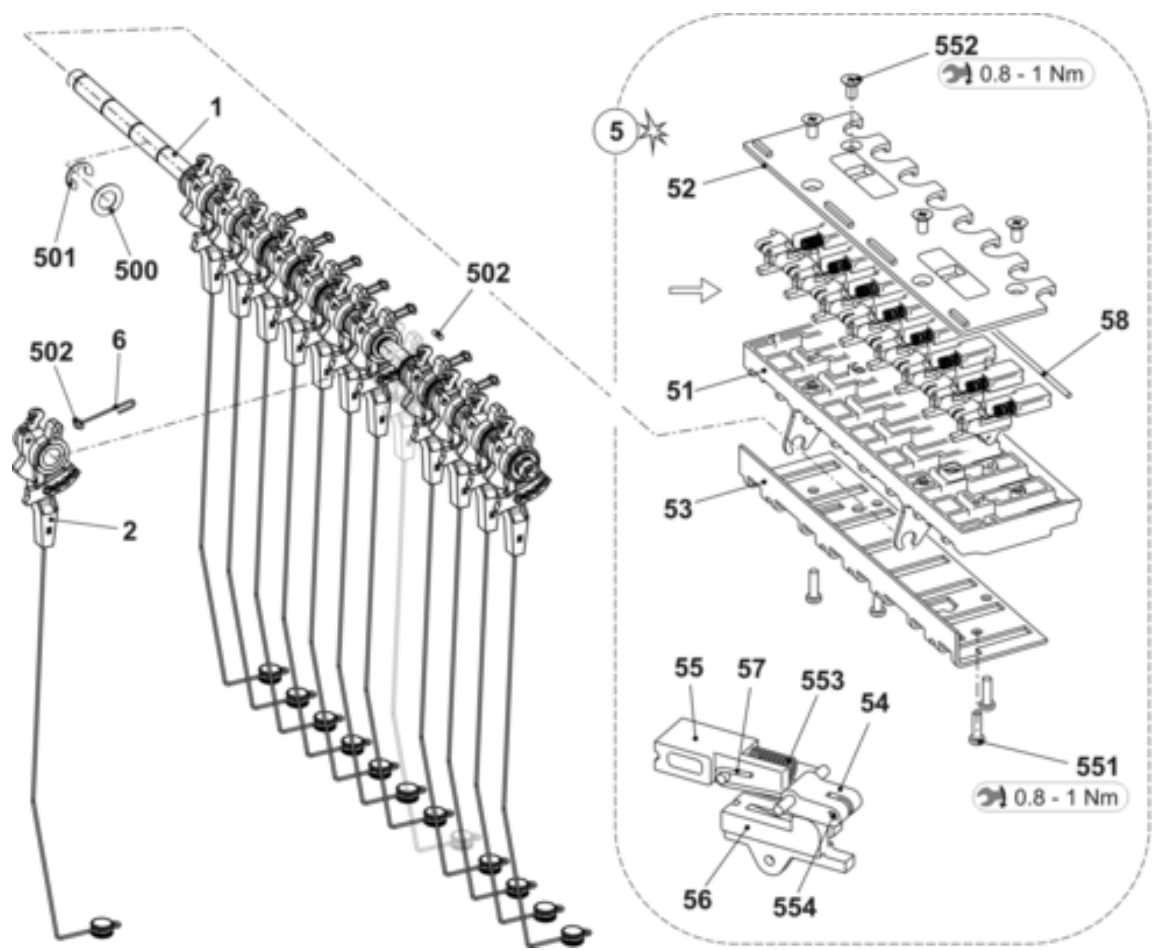
9.2.1 Yarn tensioner on the left E3 | E3,5 | E4

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the leftE3 – E5	241 363				
1	Card yarn tensioner 16-fold on the left	241 345		8	Grounding plate of tension axle	243 121
2	Tension axle on the left complete E3 – E8	241 366		9	Ground cable yarn tensioner okc	243 105
3	Housing	241 367		500	Screw KB 30x8	236 228
4	Slider	241 694		501	Circlip	021 022
5	Stop point	241 368		502	Tension spring 5,05x0,55x53 (E3-E5)	023 502
6	Border	242 268		503	Circlip	021 020
7	Spacer	242 048		504	Countersunk screw M4x10	241 914



9.2.2 Left tension axle

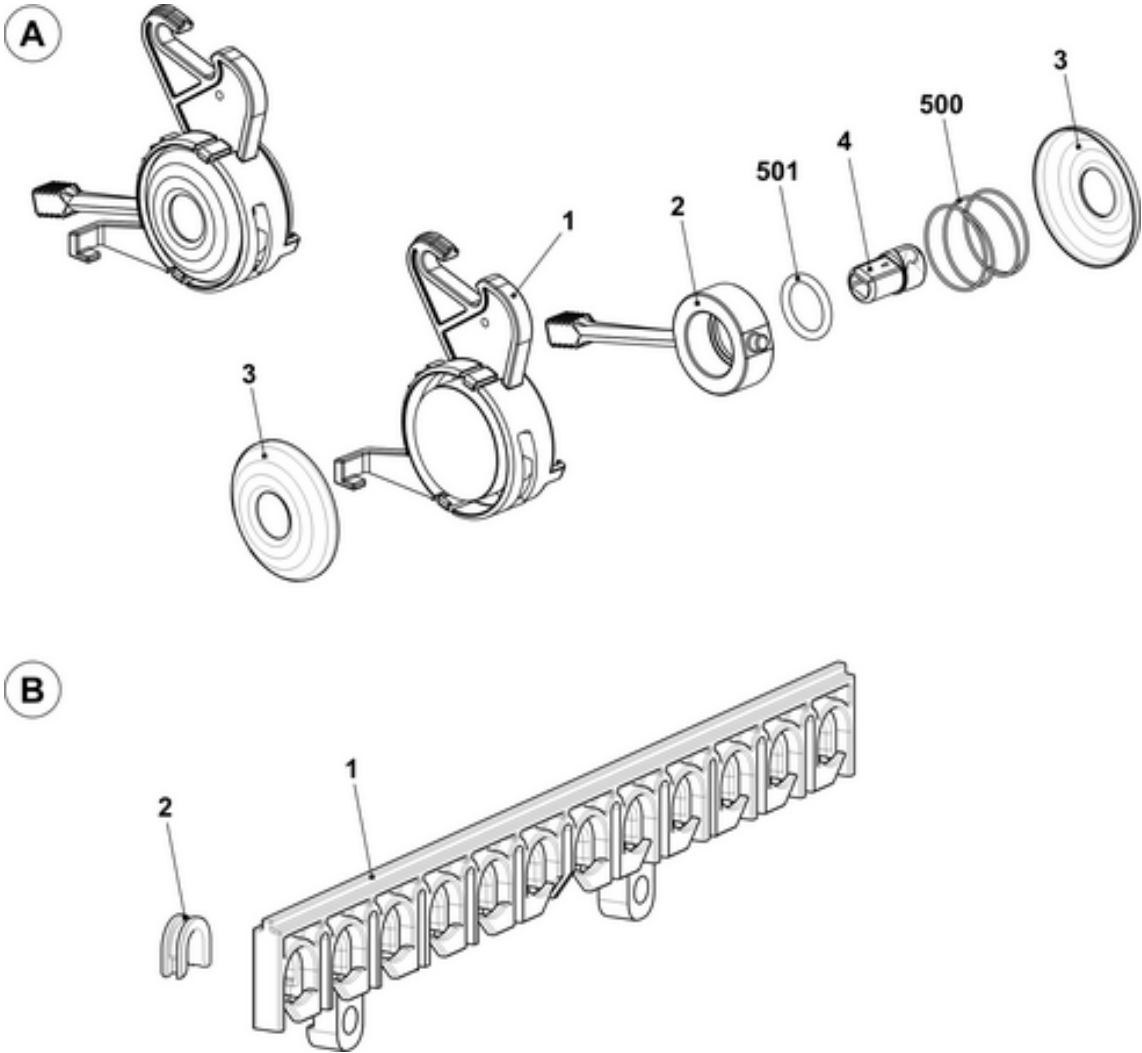
Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle on the left complete E3-6	241 366				
1	Axle	243 107		56	SliderAKF	238 691
2	Tension arm pre-assembledE3-8	258 557		57	Wire bow	238 694
6	Wire bow	238 694		58	Wire	237 940
5	Thread clamp AKF	238 695		551	Screw KB 35x12	237 681
	51	HousingAKF	238 689	552	Screw KB 40x8	236 227
	52	Cover AKF	237 926	553	Compression spring 0,30x4,50x18,50	241 437
	53	Sheet metal at the bottom (housing AKF)	240 719	554	Grooved pin 2x6	243 172
	54	Lever AKF	238 692	500	Shim ring 8x14x0,5	023 501
	55	Pressure piece AKF	238 690	501	Circlip	021 022
				502	Grooved pin 2x6	243 172



9.2 Left yarn guide

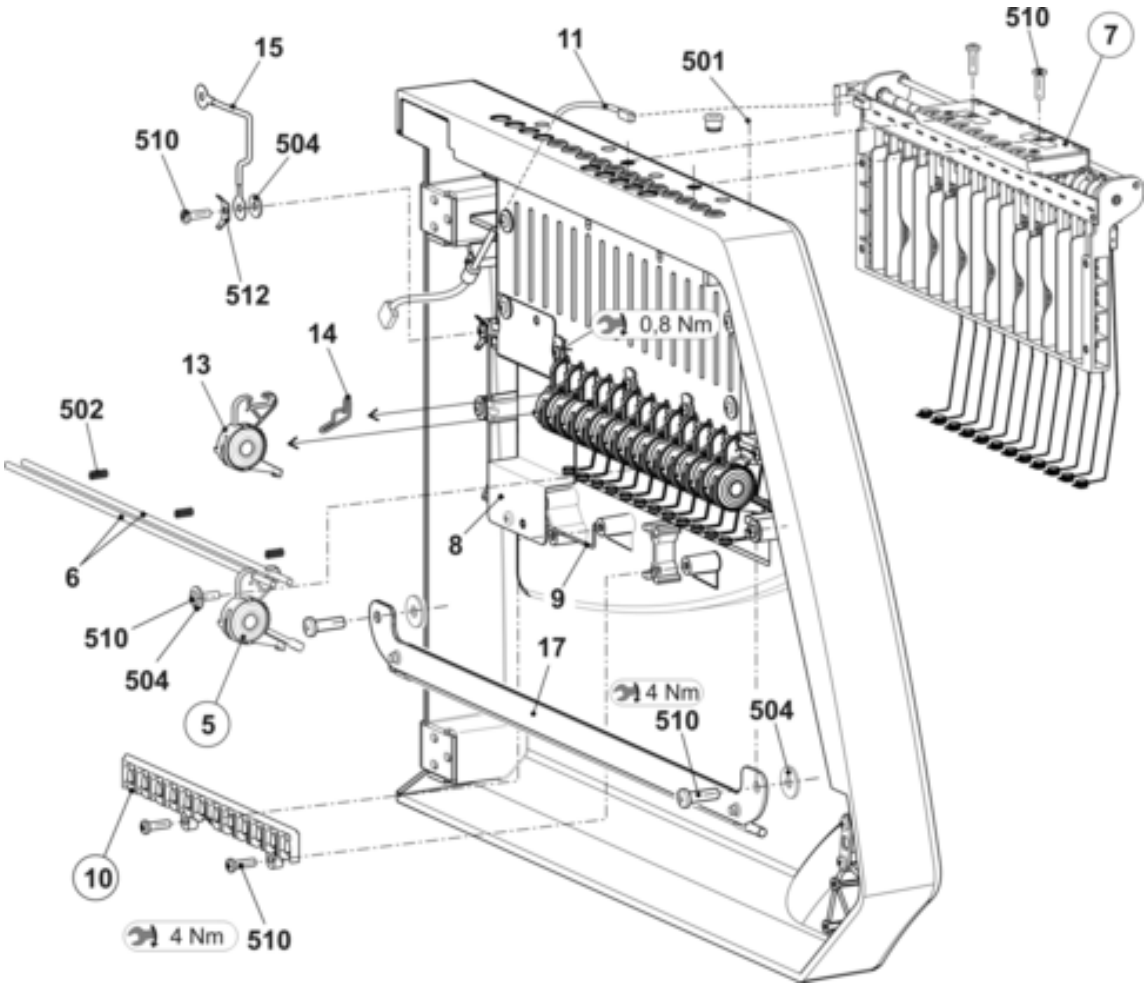
9.2.3 Yarn brake and yarn deflector

Pos	Designation	ID		Pos	Designation	ID
A	Yarn brake complete	244 347		B	Yarn deflector	242 011
1	Support	240 607		1	Support of yarn deflector	242 009
2	Slider	240 606		2	Ceramic eyelet open	240 733
3	Brake disk	244 355				
4	Ceramic eyelet open	243 778				
500	Compression spring 0,65x20,15x14,80	241 361				
501	O-ring 11x2	241 434				



9.3 Right yarn guide

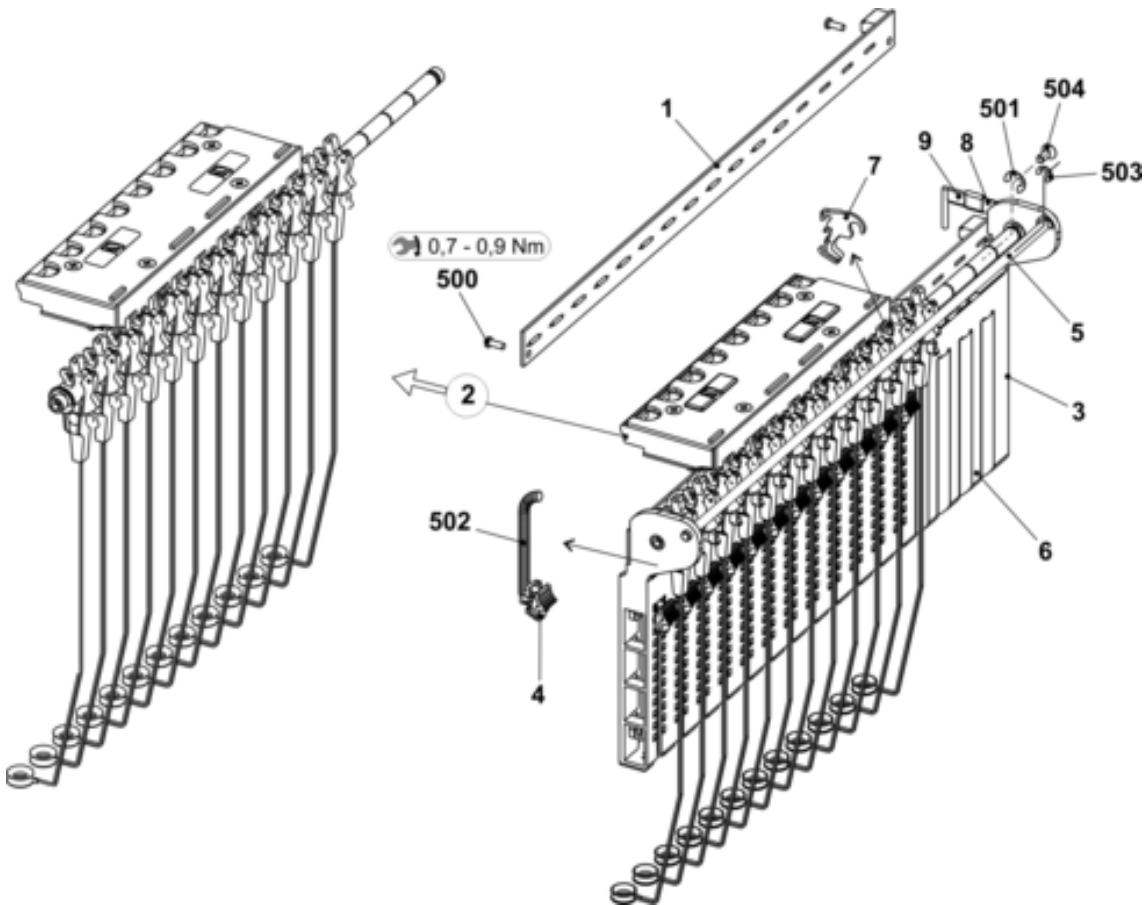
Pos	Designation	ID		Pos	Designation	ID
Σ	Safety door on the right complete E3-5	241 274				
5	Yarn brake complete	244 347		14	Clamping bow	244 409
6	Wave	241 318		15	Ground cable	244 404
7	Yarn tensioner on the right complete E3-5	241 382		17	Stop bar on the right complete	258 562
8	Cover	240 783		501	Ceramic eyelet	240 640
9	Wire bow on the right	241 369		502	Compression spring 0,90x5,40x13,60	241 360
10	Yarn deflector	242 011		504	Washer6	022 537
11	Connection cable yarn tensionerokc	240 808		510	Screw KB 60x20	237 682
13	Yarn brake not adjustable	244 356		512	Flat connector 2x45° M6	243 117



9.3 Right yarn guide

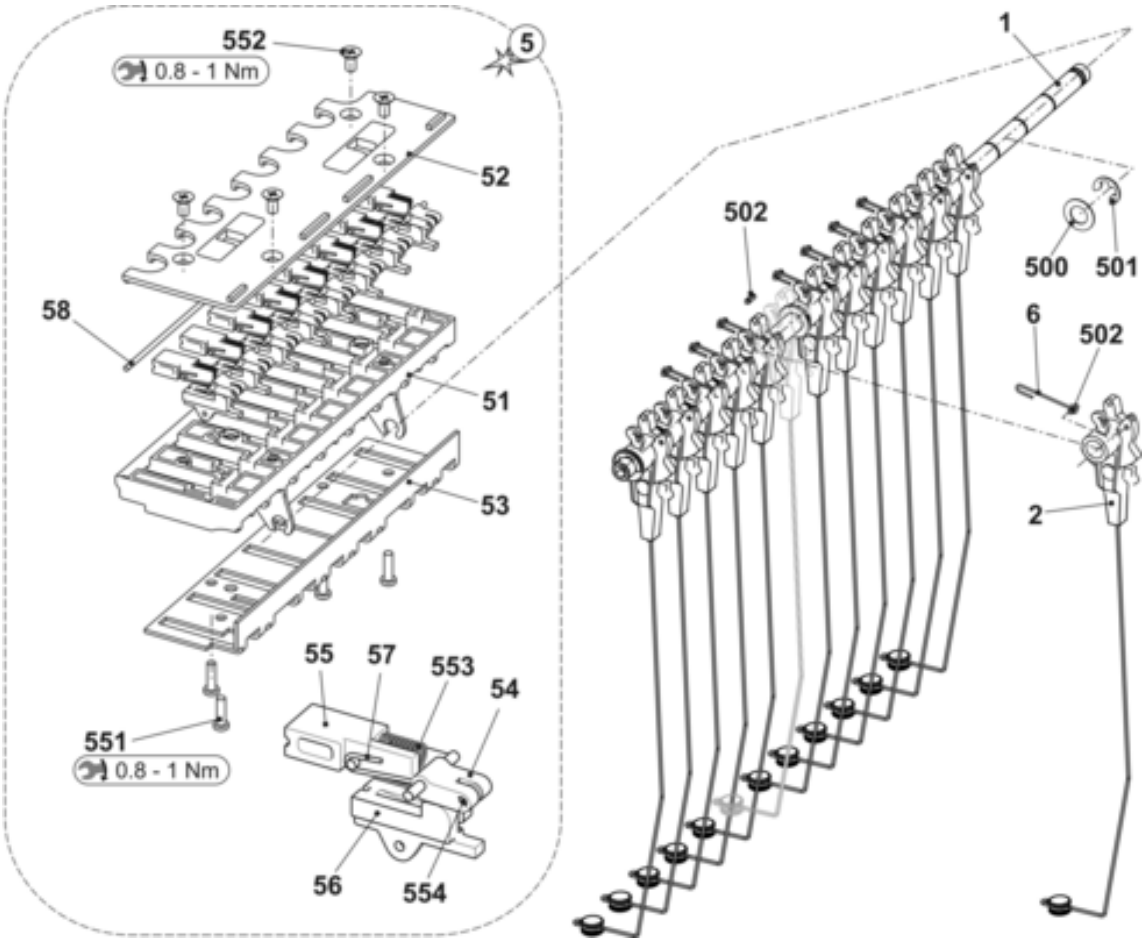
9.3.1 Yarn tensioners on the right E3 | E3,5 | E4

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the rightE3 – E5	241 382				
1	Card yarn tensioner 16-fold on the right	241 346		8	Grounding plate of tension axle	243 121
2	Tension axle on the right completeE3 – E8	241 379		9	Ground cable yarn tensioner okc	243 105
3	Housing	241 367		500	Screw KB 30x8	236 228
4	Slider	241 694		501	Circlip	021 022
5	Stop point	241 368		502	Tension spring 5,05x0,55x53 (E3-E5)	023 502
6	Border	242 268		503	Circlip	021 020
7	Spacer	242 048		504	Countersunk screw M4x10	241 914



9.3.2 Right tension axle

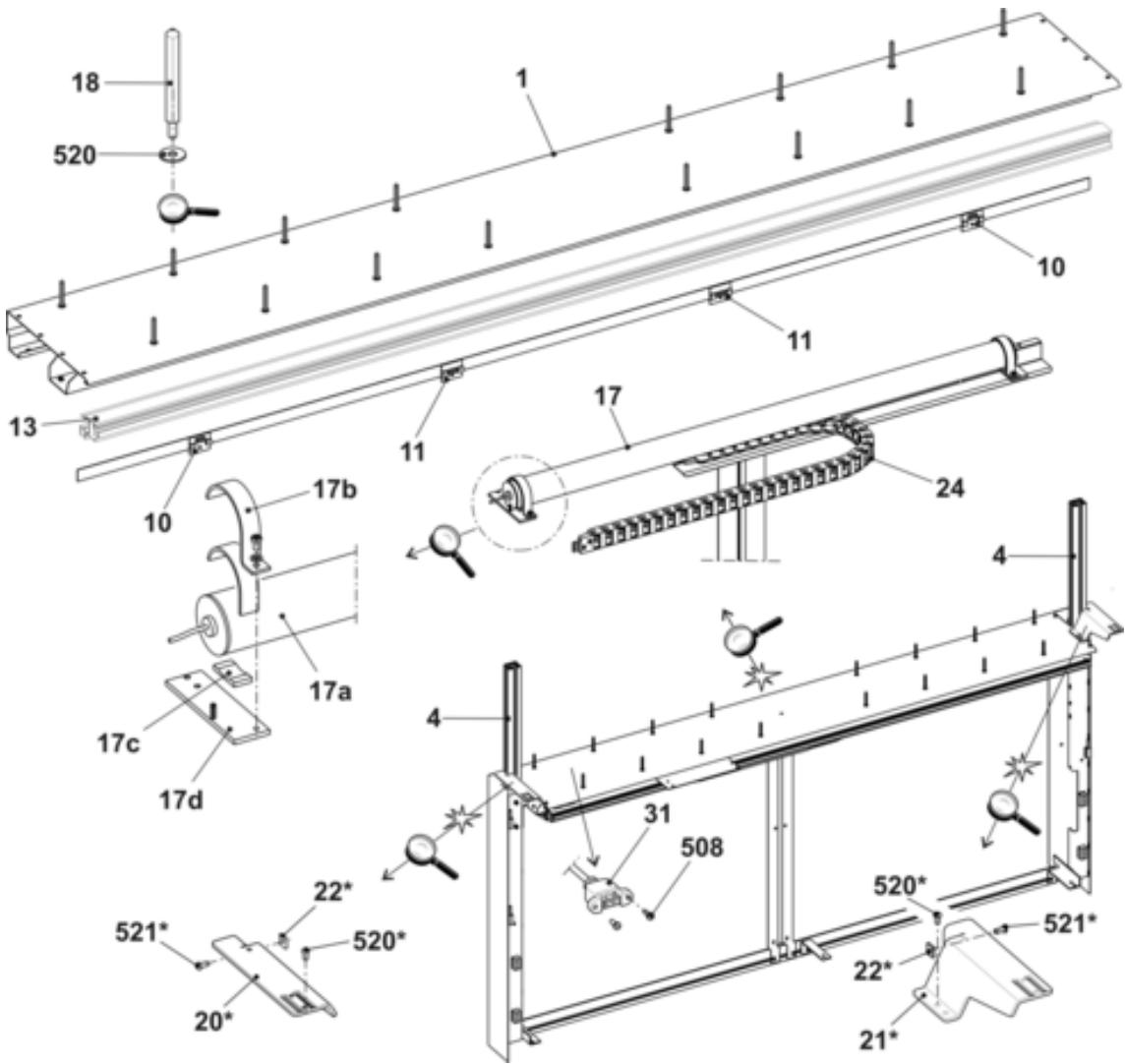
Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle on the right completeE3-8	241 379				
1	Axle	243 107		56	SliderAKF	238 691
2	Tension arm pre-assembledE3-8	258 557		57	Wire bow	238 694
6	Wire bow	238 694		58	Wire	237 940
5	Thread clamp AKF	238 695		551	Screw KB 35x12	237 681
51	HousingAKF	238 689		552	Screw KB 40x8	236 227
52	Cover AKF	237 926		553	Compression spring 0,30x4,50x18,50	241 437
53	Sheet metal at the bottom (housing AKF)	240 719		554	Grooved pin 2x6	243 172
54	Lever AKF	238 692		500	Shim ring 8x14x0,5	023 501
55	Pressure piece AKF	238 690		501	Circlip	021 022
				502	Grooved pin 2x6	243 172



9.4 Bobbin board

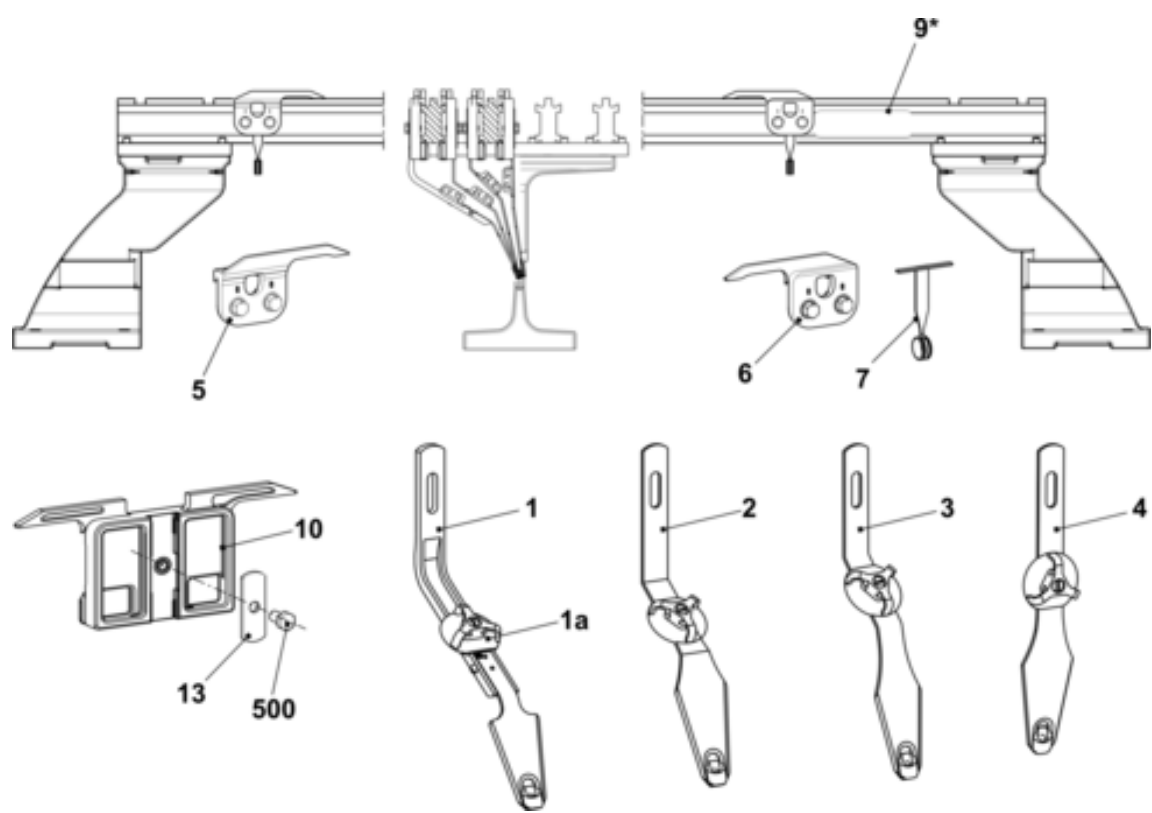
9.4 Bobbin board

Pos	Designation	ID	Pos	Designation	ID
Σ	Table complete 50"	240 241			
1	Table	251 244	18	Positioning pin	204 819
4	Support element	228 594	24	Energy chain display 38 links	253 888
10	Magnet switch safety door	219 983	31	Cable USB extension	253 706
11	Magnet switch safety door	220 159	508	Pan-head screw M3x8	023 251
13	Guide rail at the top complete	257 485	520	Washer	020 901
17	Lamp at the top complete	222 509	20*	Support of left feed wheel	250 966
	17a	Light 230 V 50/60 Hz	21*	Support of right feed wheel	250 967
	17b	Clamping bow	22*	Slot nut	228 851
	17c	Cellular caoutchouc 40x20	520*	Pan-head screw M8x16	023 113
	17d	Lamp support	521*	Pan-head screw M8x18	251 331



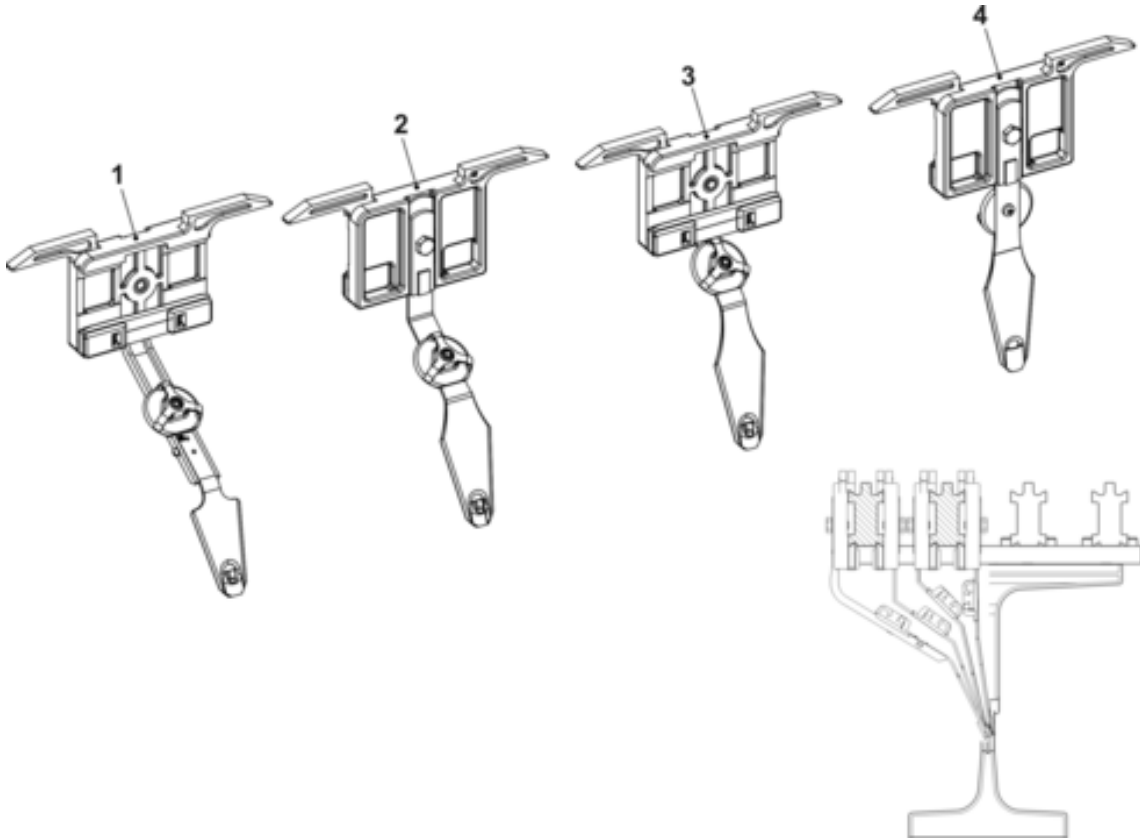
9.5 Yarn carrier and guide rails

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn guide complete E3 E4	215 663				
1	FF bow 1+8 complete E3-4	216 266		6	Limiter on the right	244 098
	1a Yarn guide star	202 146		7	Slider with eyelet	230 709
2	FF bow 2+7 complete E3-4	216 267		9*	Yarn carrier rail	255 465
3	FF bow 3+6 complete E3-4	216 268		10	FF carriage complete	241 887
4	FF bow 4+5 complete E3-4	216 269		13	Shim	213 035
5	Limiter on the left	244 099		500	Hexagon screw M5x10	020 351



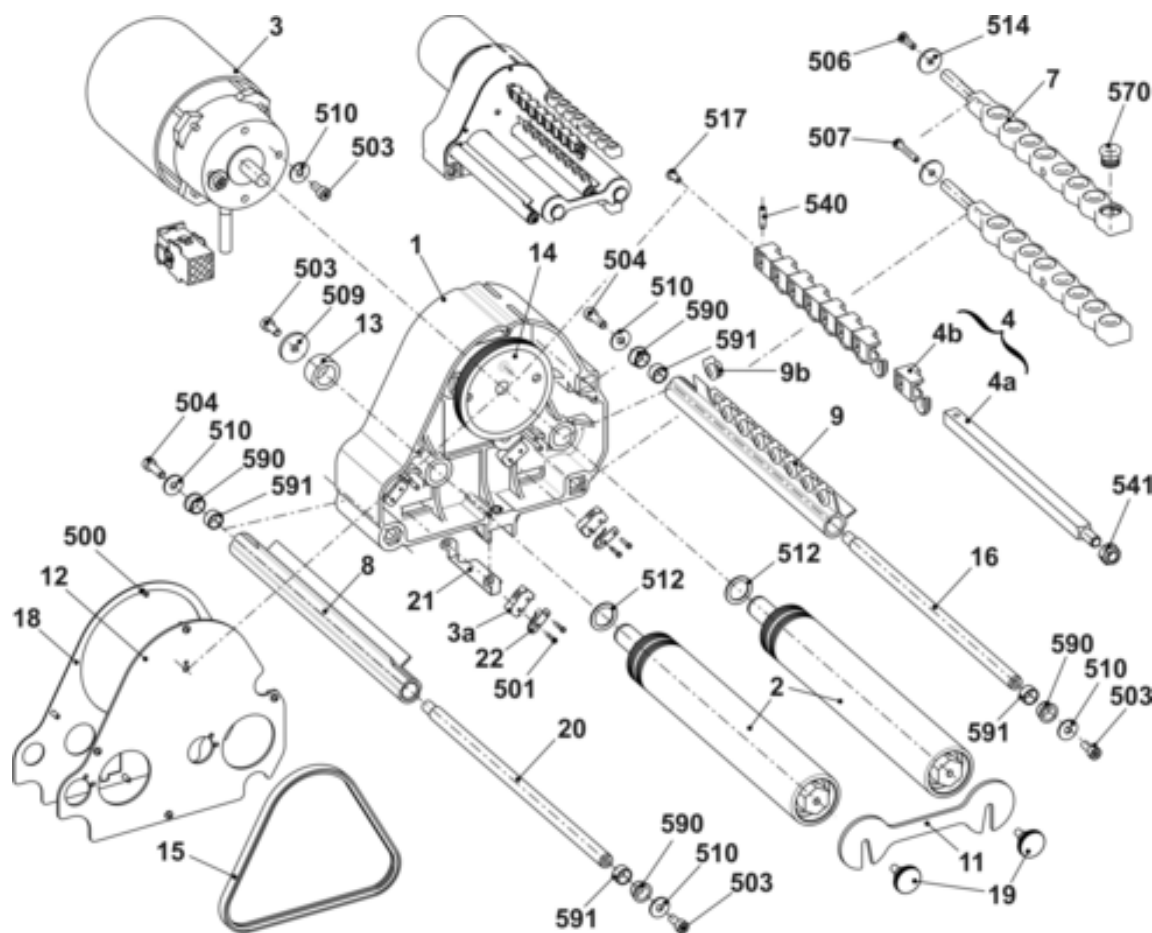
9.6 Complete yarn carriers

Pos	Designation	Track	ID		Pos	Designation	Track	ID
1	FF carriage complete E3-4	1+8	217 486		3	FF carriage complete E3-4	3+6	217 488
2	FF carriage complete E3-4	2+7	217 487		4	FF carriage complete E3-4	4+5	217 489



9.7 Left friction feed wheel

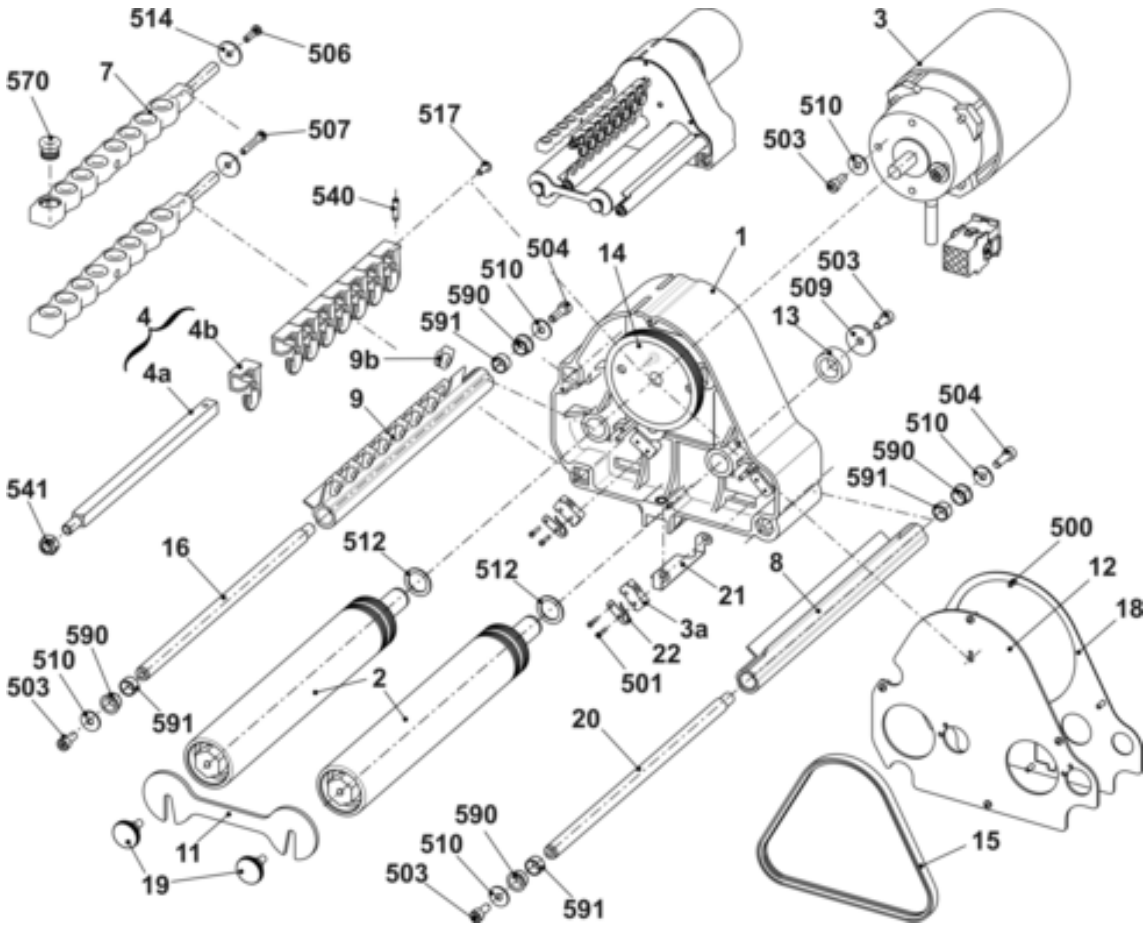
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the left complete		243 571	14	V-ribbed belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase AC motor complete		219 800	18	Cover		230 758
	3a	Microswitch	008 664	19	Knurled screw		223 361
4	Deflector complete 8-fold		250 089	20	Rod		230 658
	4a	Support rail	250 055	21	Grounding plate		256 622
	4b	Eyelet holder complete	250 077	22	Spring plate		256 702
	540	Spring dowel sleeve 4x15	020 783	500	Screw KB30x8		236 228
	541	Hexagon nut M8-8	022 843	501	Screw 20x10		244 736
7	Yarn guide rod complete		239 431	503	Cap screw M5x12		020 132
	570	Eyelet 8	021 504	504	Cap screw M5x16		022 726
8	Stop motion rail on the right complete		230 690	506	Screw KB 40x14		241 358
9	Stop motion rail on the left complete with eyelets		230 683	507	Screw KB 40x25		241 595
	9b	Eyelet	230 662	509	Washer5,3x22x2,5		023 219
	590	Slide bearing	023 627	510	Washer5		020 901
	591	Guide piece	259 453	512	Shim ring 15x21x1		023 216
11	Bracket		221 316	514	Washer4,3		020 908
12	Cover		251 098	517	Pan-head screw M4x8		023 579
13	Bush		221 391				



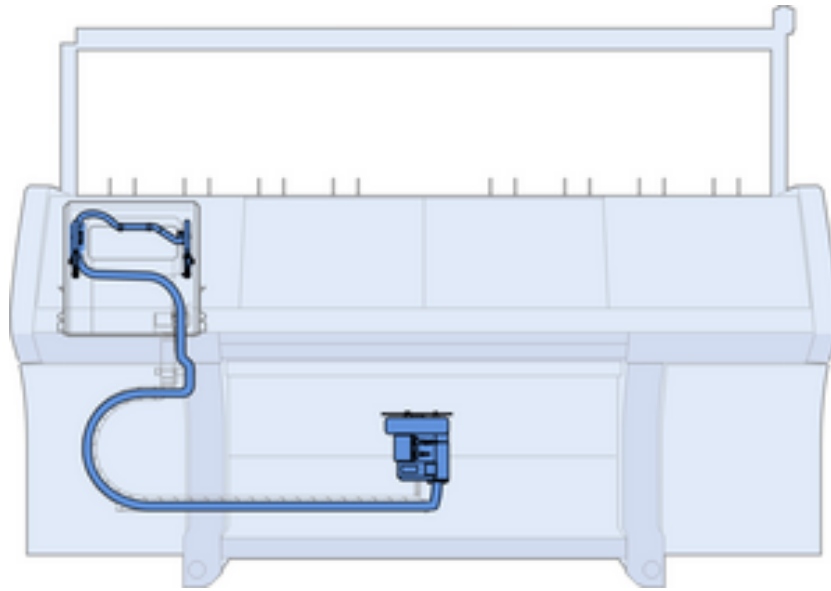
9.8 Right friction feed wheel

9.8 Right friction feed wheel

Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the right complete		243 572	14	V-ribbed belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase AC motor complete		219 800	18	Cover		230 758
	3a	Microswitch	008 664	19	Knurled screw		223 361
4	Deflector complete 8-fold		250 089	20	Rod		230 658
	4a	Support rail	250 055	21	Grounding plate		256 622
	4b	Eyelet holder complete	250 077	22	Spring plate		256 702
	540	Spring dowel sleeve 4x15	020 783	500	Screw KB30x8		236 228
	541	Hexagon nut M8-8	022 843	501	Screw 20x10		244 736
7	Yarn guide rod complete		239 431	503	Cap screw M5x12		020 132
	570	Eyelet 8	021 504	504	Cap screw M5x16		022 726
8	Stop motion rail on the right complete		230 690	506	Screw KB 40x14		241 358
9	Stop motion rail on the right complete with eyelets		230 682	507	Screw KB 40x25		241 595
	9b	Eyelet	230 662	509	Washer5,3x22x2,5		023 219
	590	Slide bearing	023 627	510	Washer5		020 901
	591	Guide piece	259 453	512	Shim ring 15x21x1		023 216
11	Bracket		221 316	514	Washer4,3		020 908
12	Cover		251 098	517	Pan-head screw M4x8		023 579
13	Bush		221 391				

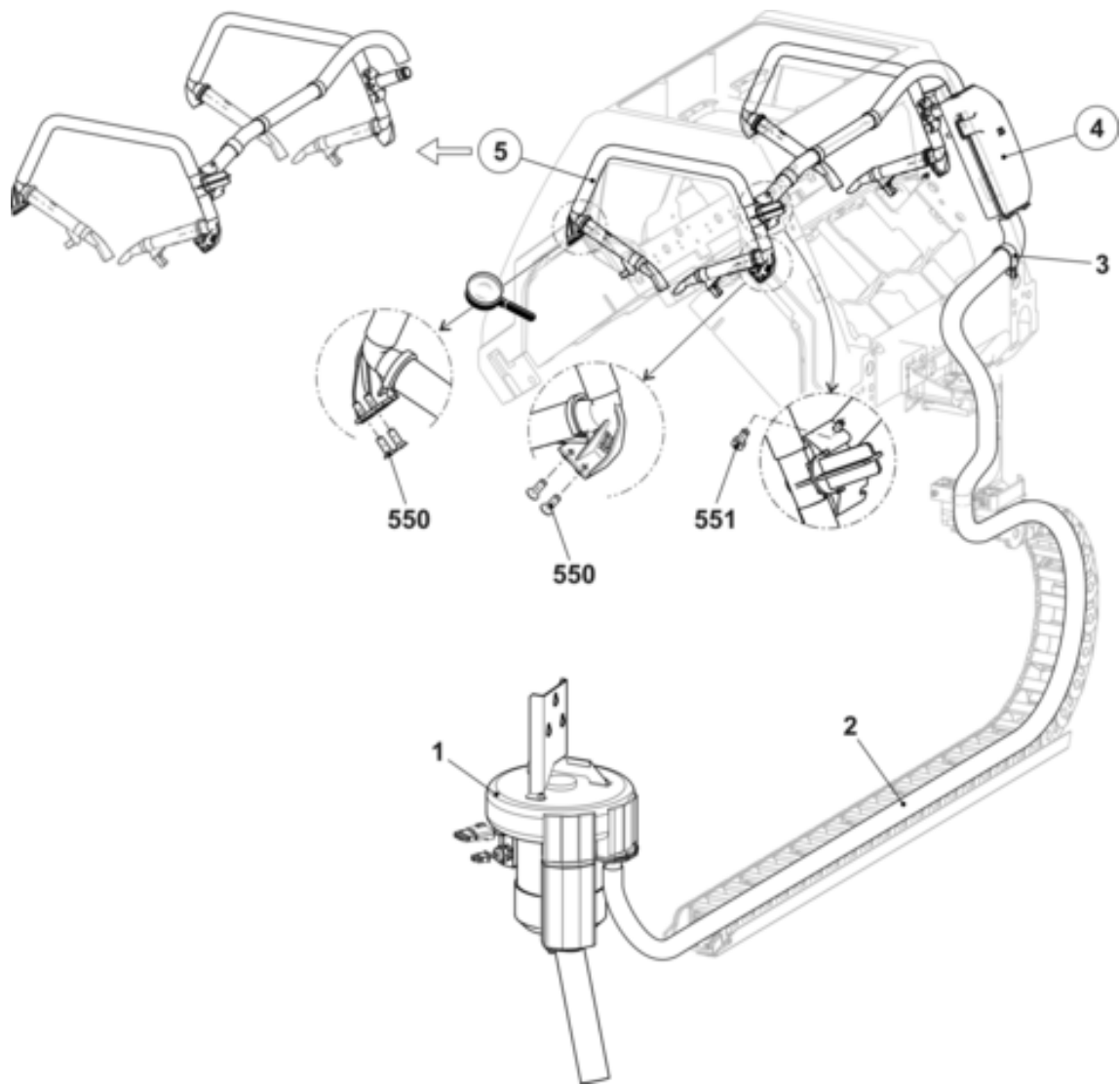


10 Fluff absorption



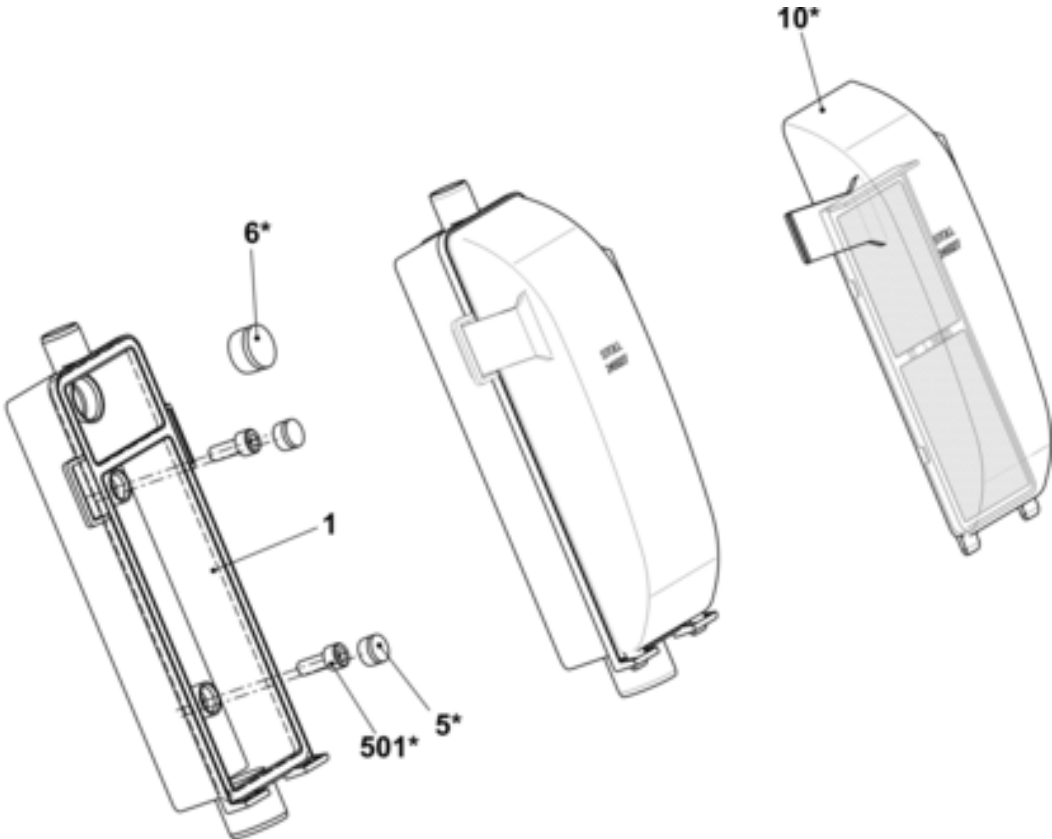
10.1 Fluff absorption

Pos	Designation	ID		Pos	Designation	ID
Σ	Fluff absorption			4	Lint container	245 024
1	Suction fan complete	259 004		5	Set of hose complete	251 339
2	Suction hose 29x25x2800	252 627		550	Countersunk head screw M4x12	023 062
3	Cable clip	250 051		551	Cap screwM4x8	022 501



10.1.1 Lint container

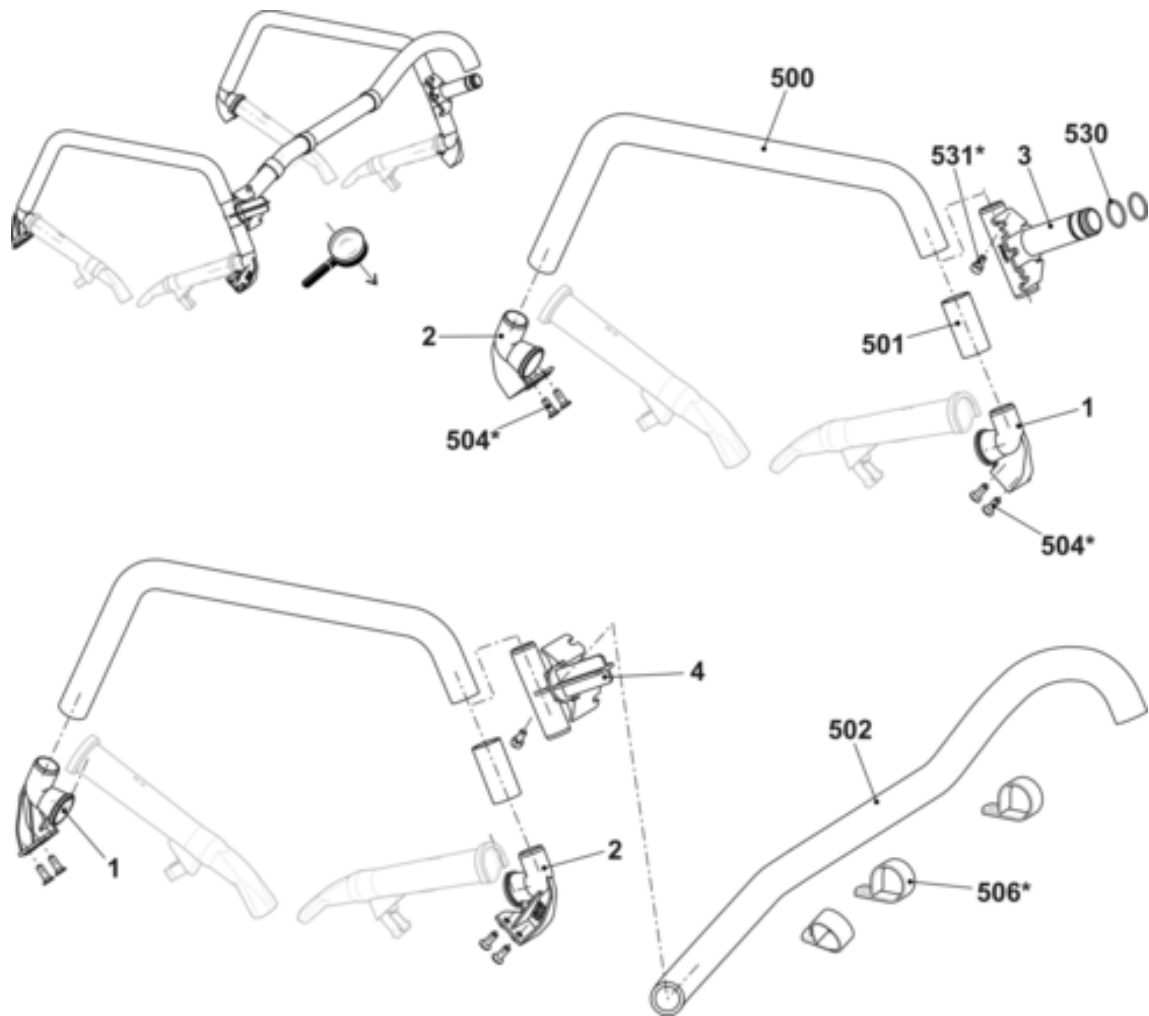
Pos	Designation	Id		Pos	Designation	Id
Σ	Lint container			6*	Sealing plug	245 029
1	Lint container	245 024		10*	Cover with filter	251 335
5*	Sealing plug	245 028		501*	Cap screw M6x10	023 690



10.1 Fluff absorption

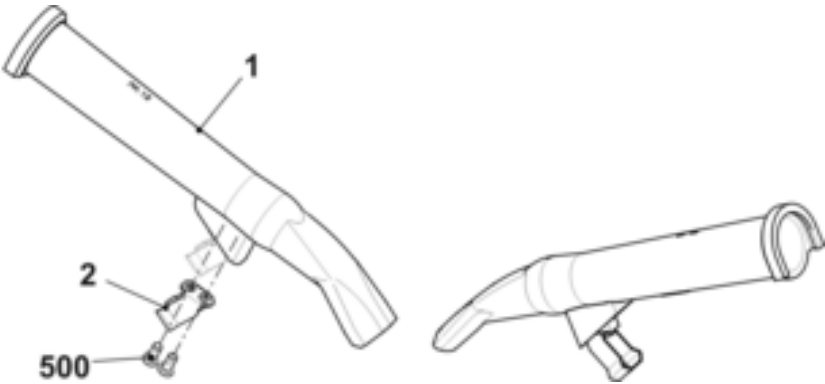
10.1.2 Set of hose

Pos	Designation		ID		Pos	Designation		ID
Σ	Set of hose complete 530/520C		251 339		4	Connection piece Flent		245 022
1	Angle connection on the right		250 121		500	Suction hose 20x16x400		244 983
2	Angle connection on the left		251 101		501	Suction hose 20x16x40		251 043
3	T-piece FLENT		245 021		502	Suction hose 20x16x570		251 044
	530	O-ring 15x1,5	250 054		504*	Countersunk head screw M4x12		023 062
	531*	Cap screwM4x8	022 501		506*	Cable clip		250 051



10.1.3 Suction tube

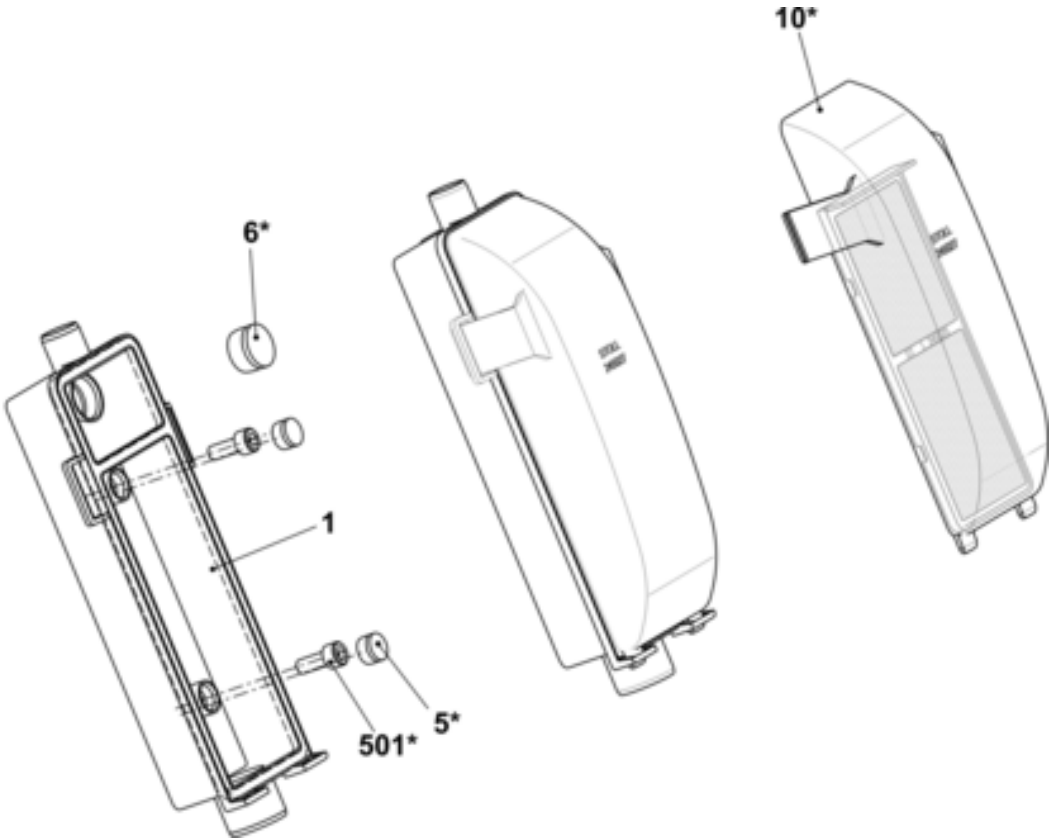
Pos	Designation	ID		Pos	Designation	ID
Σ	Suction tube complete E5-14	251 310		2	Bracket	255 627
1	Suction tube (E5-14)	255 386		500	Screw KB30x6	241 424



10.1 Fluff absorption

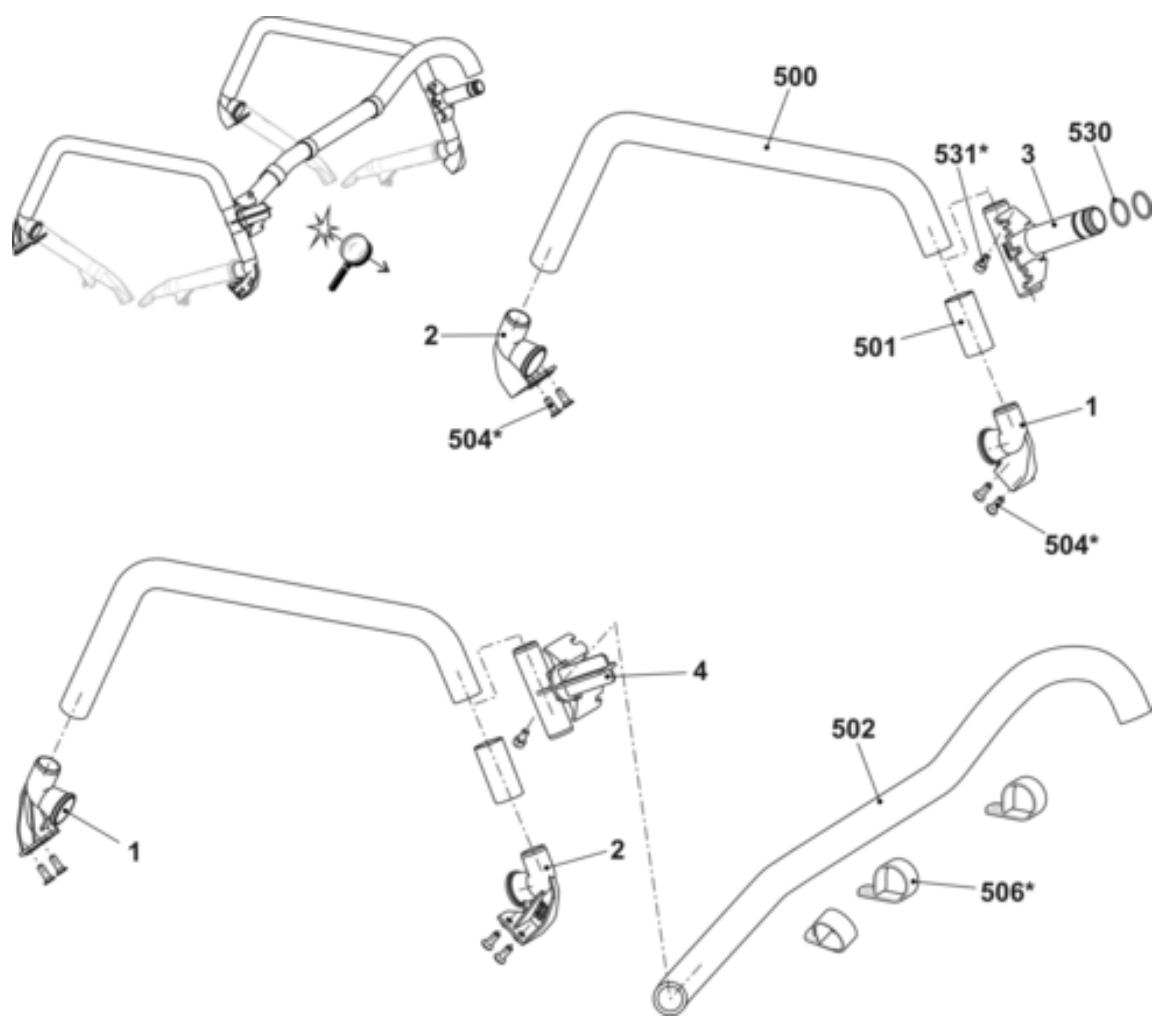
10.1.4 Lint container

Pos	Designation	Id		Pos	Designation	Id
Σ	Lint container			6*	Sealing plug	245 029
1	Lint container	245 024		10*	Cover with filter	251 335
5*	Sealing plug	245 028		501*	Cap screw M6x10	023 690



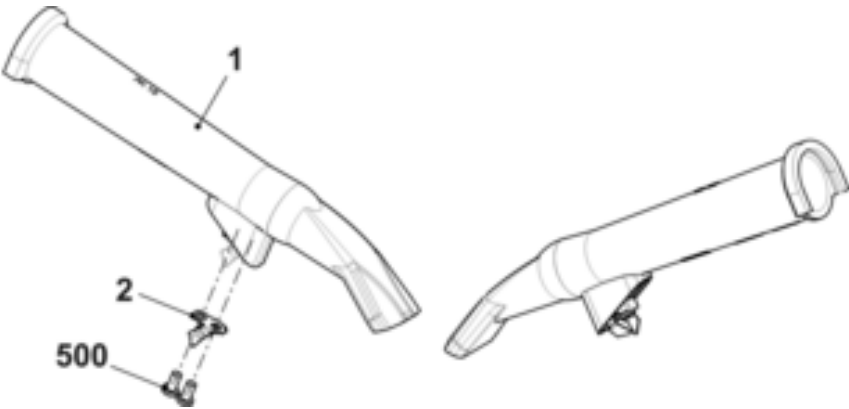
10.1.5 Set of hose

Pos	Designation	ID		Pos	Designation	ID
Σ	Set of hose complete 530/520C	251 339		500	Suction hose 20x16x400	244 983
1	Angle connection on the right	250 121		501	Suction hose 20x16x40	251 043
2	Angle connection on the left	251 101		502	Suction hose 20x16x570	251 044
3	T-piece FLENT	245 021		504*	Countersunk head screw M4x12	023 062
	530 O-ring 15x1,5	250 054		506*	Cable clip	250 051
4	Connection piece Flent	245 022		531*	Cap screw M4x8	022 501

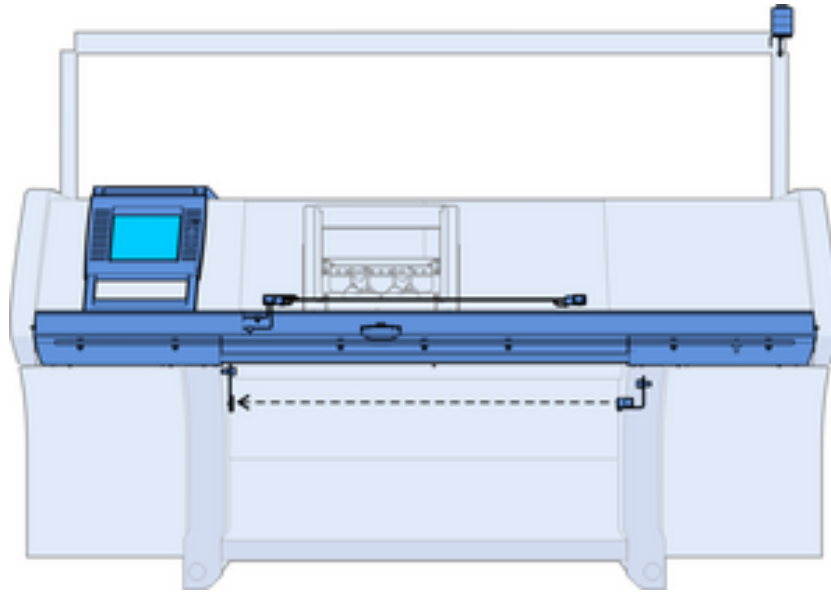


10.1.6 Suction tube

Pos	Designation	Id		Pos	Designation	Id
Σ	Suction tube complete E5-14	251 313				
1	Suction tube	255 605				
2	Bracket	255 628				
500	Screw KB30x6	241 424				

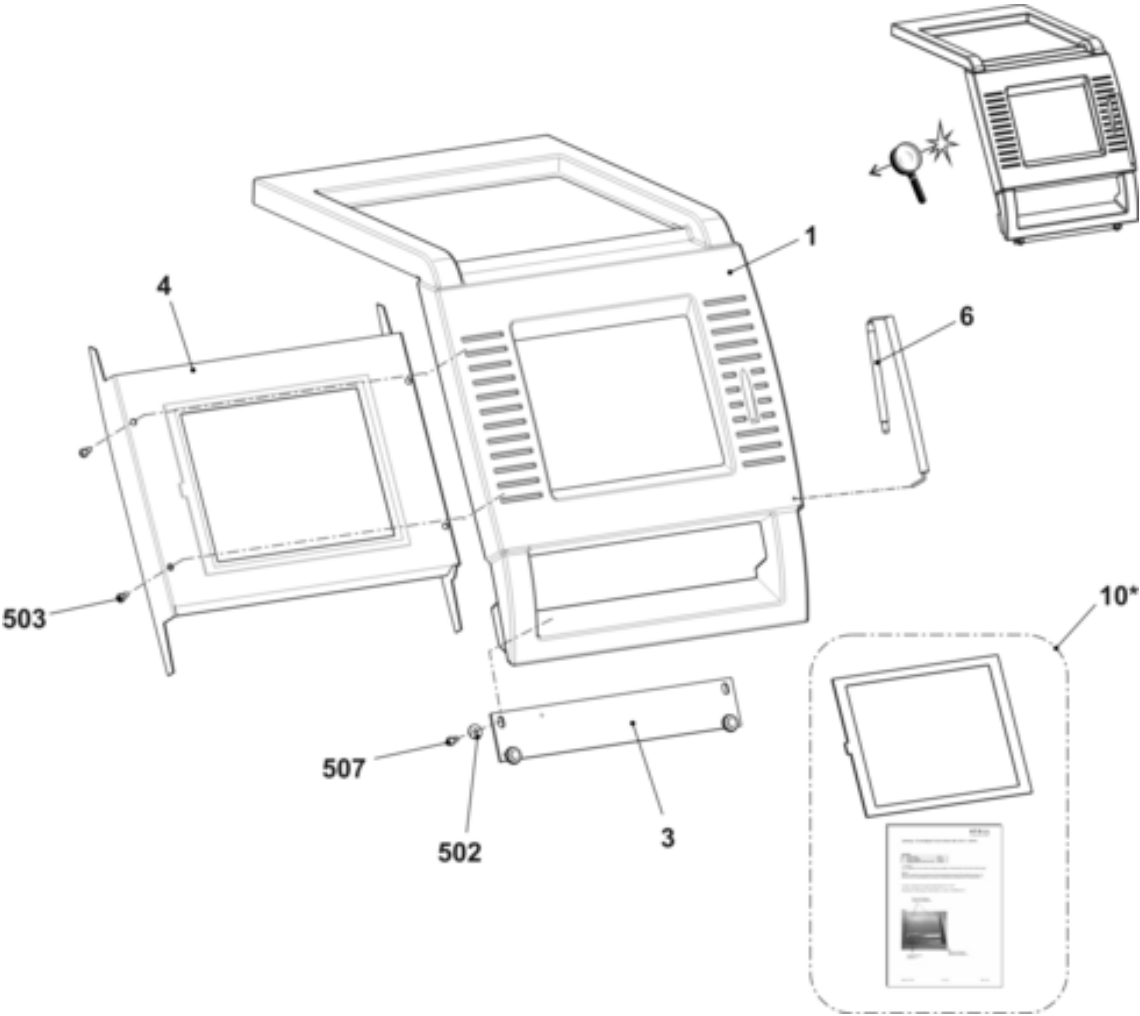


11 Operation and control



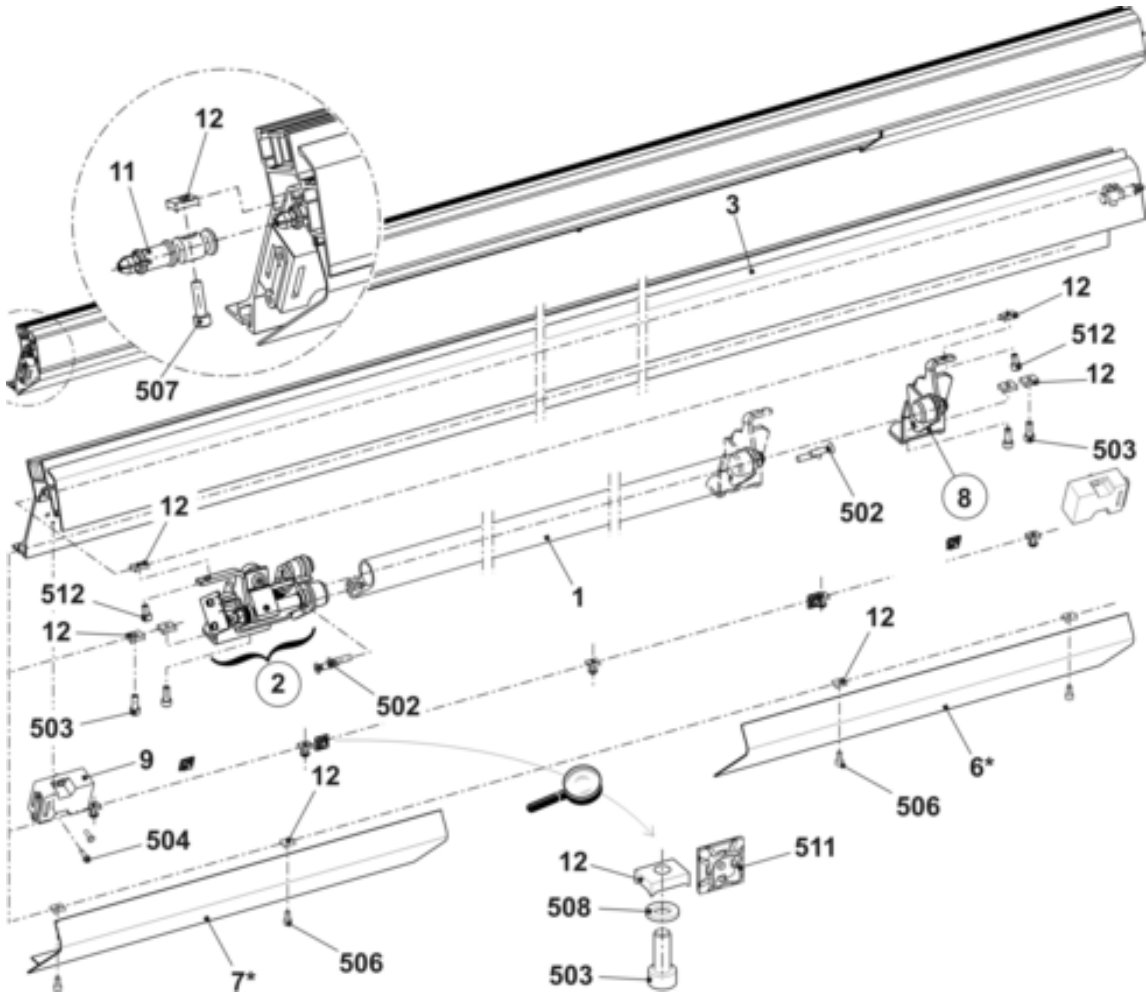
11.1 Input unit

Pos	Designation	Id		Pos	Designation	Id
Σ	Input unit complete	240 194				
1	Base frame	240 195		10*	Touch panel spare parts package	244 554
3	Bearing strip complete	240 198		502	Washer	020 901
4	Display touch complete	250 298		503	Screw KB 50x12	240 359
6	Touch pen	242 812		507	Screw KB 50x15	251 728



11.2 Starting device

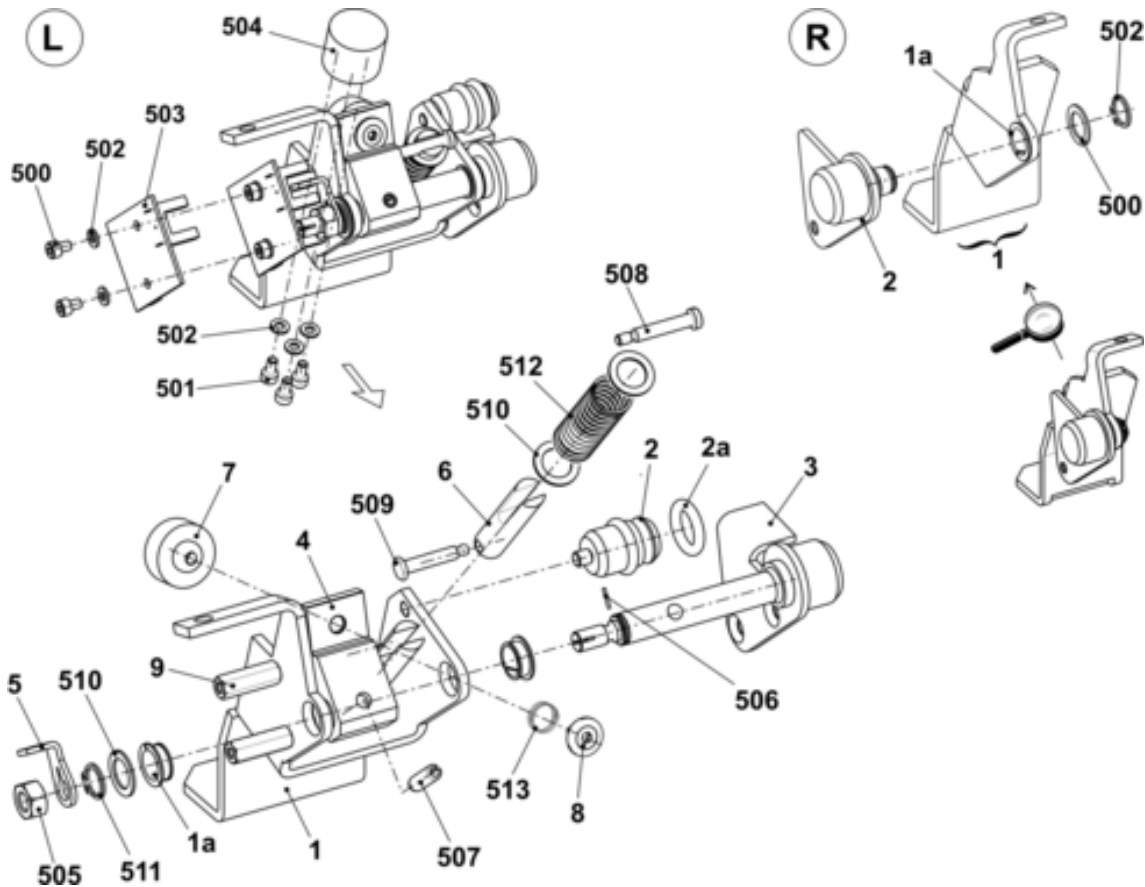
Pos	Designation	Id	Pos	Designation	Id
Σ	Starting device complete	240 306	12	Sliding nut (slot nut)	225 099
1	Engaging rod	240 227	502	Screw M6x25	023 510
2	Bearing on the left complete	250 071	503	Cap screwM6x16	020 135
3	Guide rail at the bottom complete	257 309	504	Pan-head screwM5x14	023 588
6*	Cover plate on the right	250 931	506	Cap screwM6x12	020 134
7*	Cover plate on the left	250 932	507	Cap screwM6x20	020 136
8	Bearing on the right complete	252 964	508	Washer	020 872
9	Switch with cable to safety doors	223 350	511	Adhesive base	243 055
11	Locating bolt	219 107	512	Cap screwM6x10	023 690



11.2 Starting device

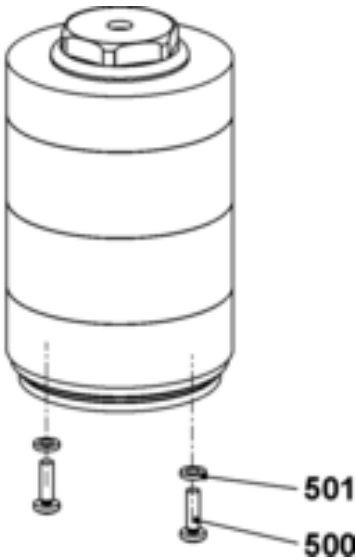
11.2.1 Bearing of the engaging rod

Pos	Designation	ID	Pos	Designation	ID
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M8-6	020 838
1a	Clip bearing MCM 12-04	023 639	506	Dowel pin 1,5x8	236 923
2	Support of buffer	220 561	507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237	508	Shoulder screw M4x24,8x7,7	240 299
3	Shaft on the left	245 219	509	Shoulder screw	251 316
4	Rotor	253 776	510	Shim ring 12x18x1	023 315
5	Switch flag	245 220	511	Locking ring12x1	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			
9	Distance bolt	240 287	R	Bearing on the right complete	252 964
500	Cap screw M4x6	023 067	1	Bearing on the right	240 230
501	Cap screwM4x8	022 501	1a	Clip bearing MCM 12-04	023 639
502	Shim ring 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	259 000	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Locking ring12x1	020 951



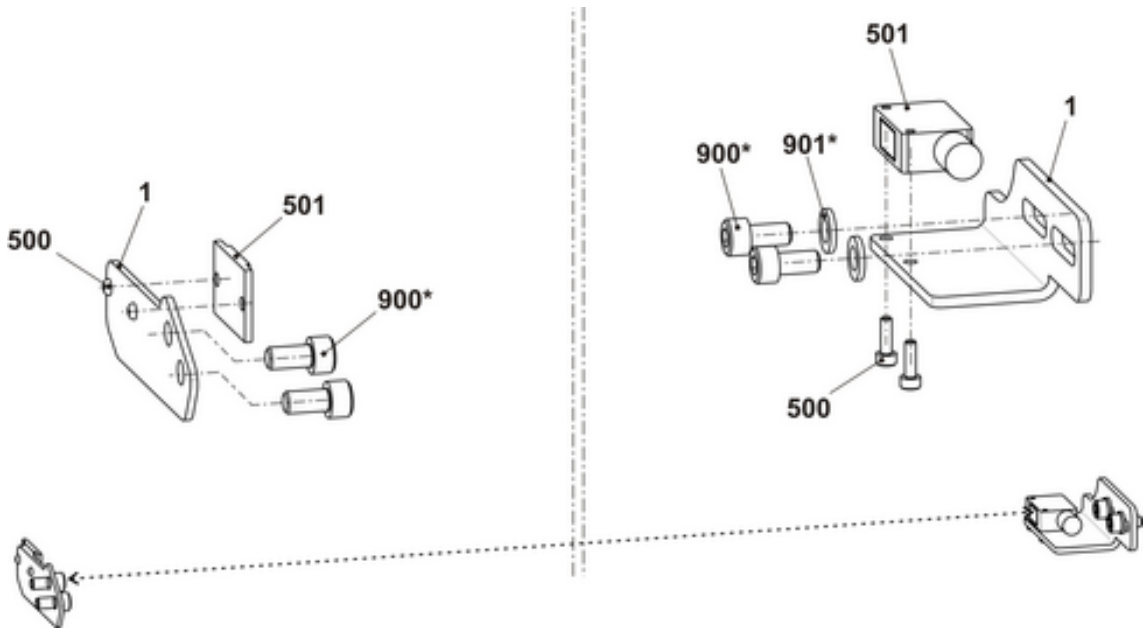
11.3 Signal light

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					



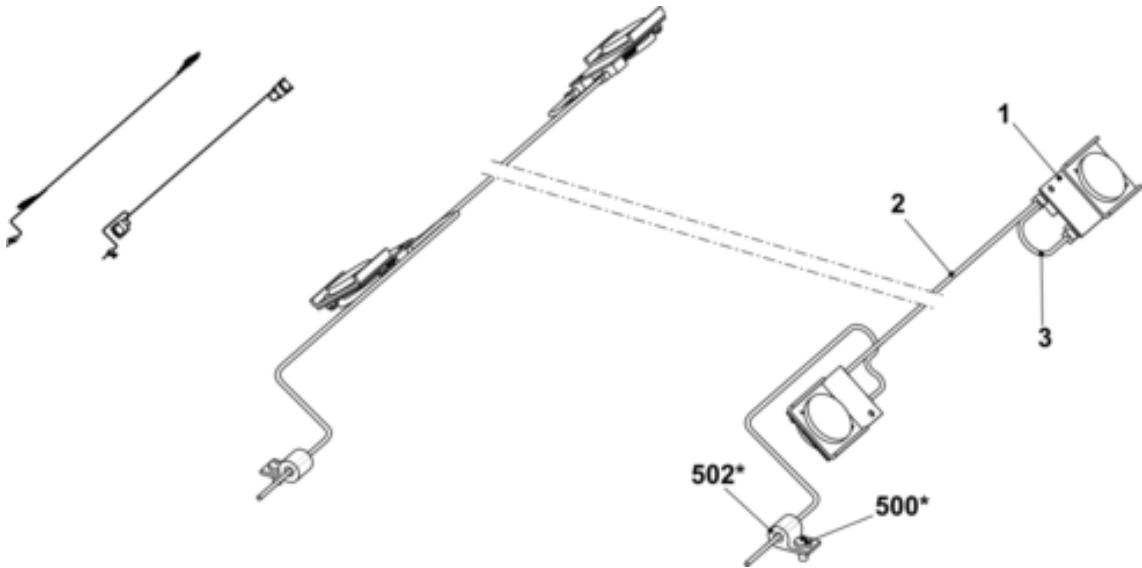
11.4 Collecting area - control

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 W100-P4330	243 355
900*	Cap screw M6x12	020 134		900*	Cap screw M6x12	020 134
				901*	Washer 6	020 872



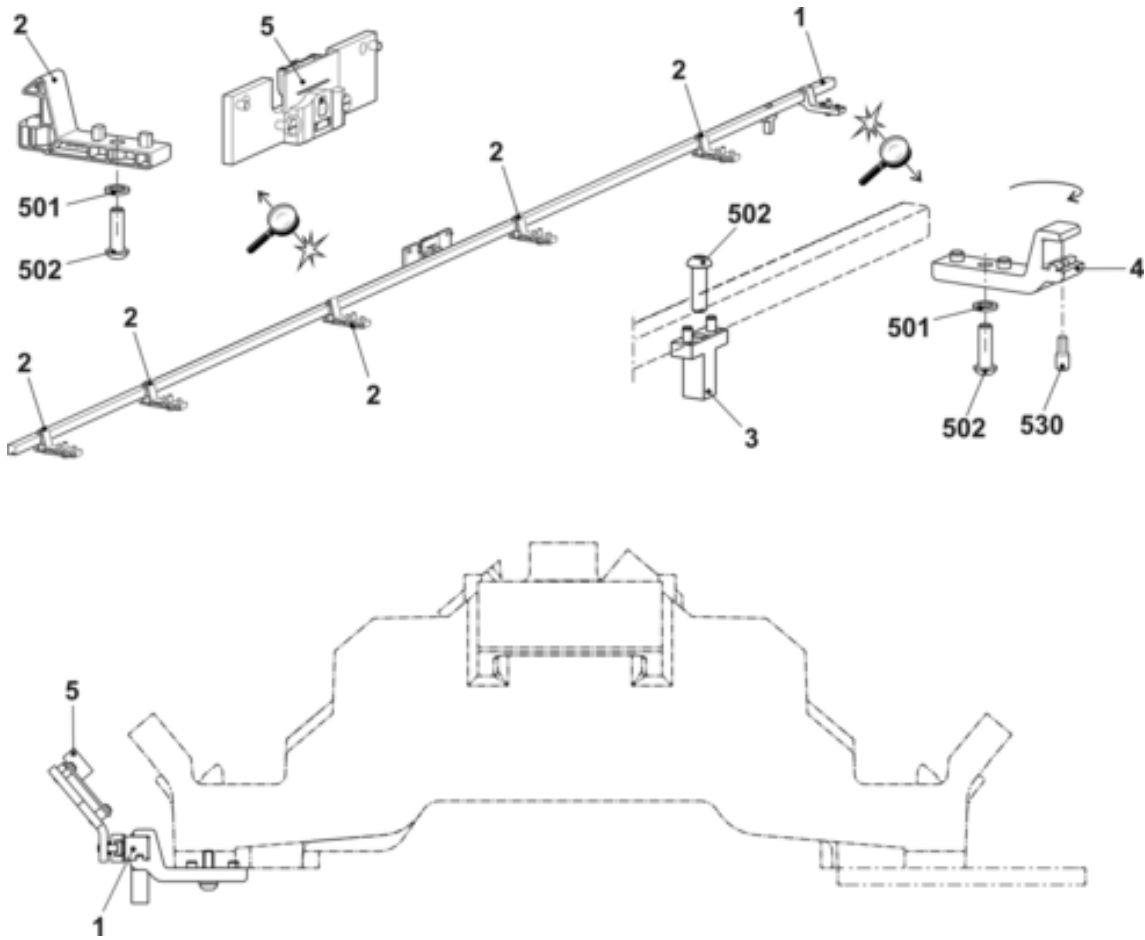
11.5 Shock stop motion E3-4

Pos	Designation	ID		Pos	Designation	ID
Σ	Shock stop motion complete E3 E4	224 242		3	End plug piezo sensor	220 062
1	Shock stop motion (Piezo)	220 011		500*	Pan-head screw M4x8	023 036
2	Connecting cable piezo sensor	220 061		502*	Cable clip N-3B, 5 mm	210 729

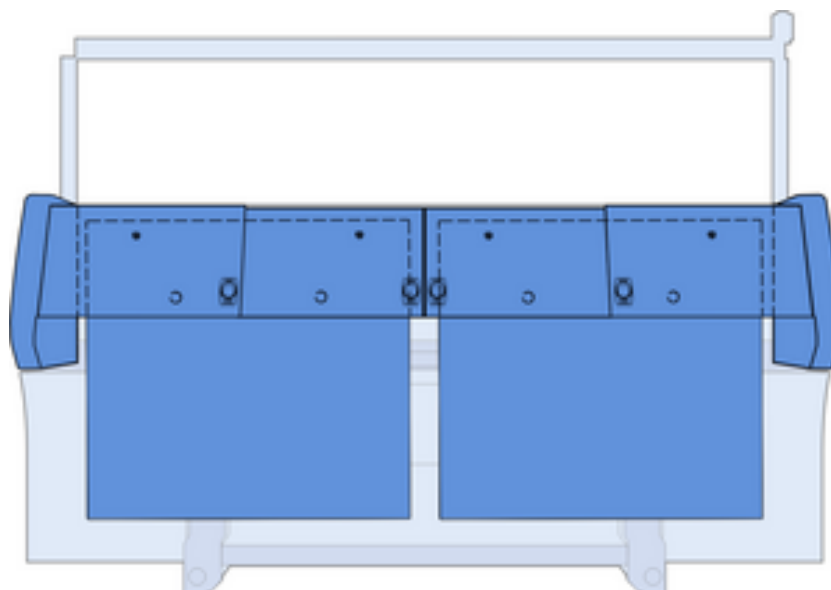


11.6 Measuring device

Pos	Designation	Id		Pos	Designation	Id
Σ	Measuring device			6	Spare parts package impulse sensor GLM	259 613
1	Measuring bar	257 370		501	Washer	020 881
2	Guide	251 676		502	Pan-head screw	241 603
3	Stop point	209 289		503	Screw 60x20	243 625
4	Guide	240 672		530	Setscrew	230 803

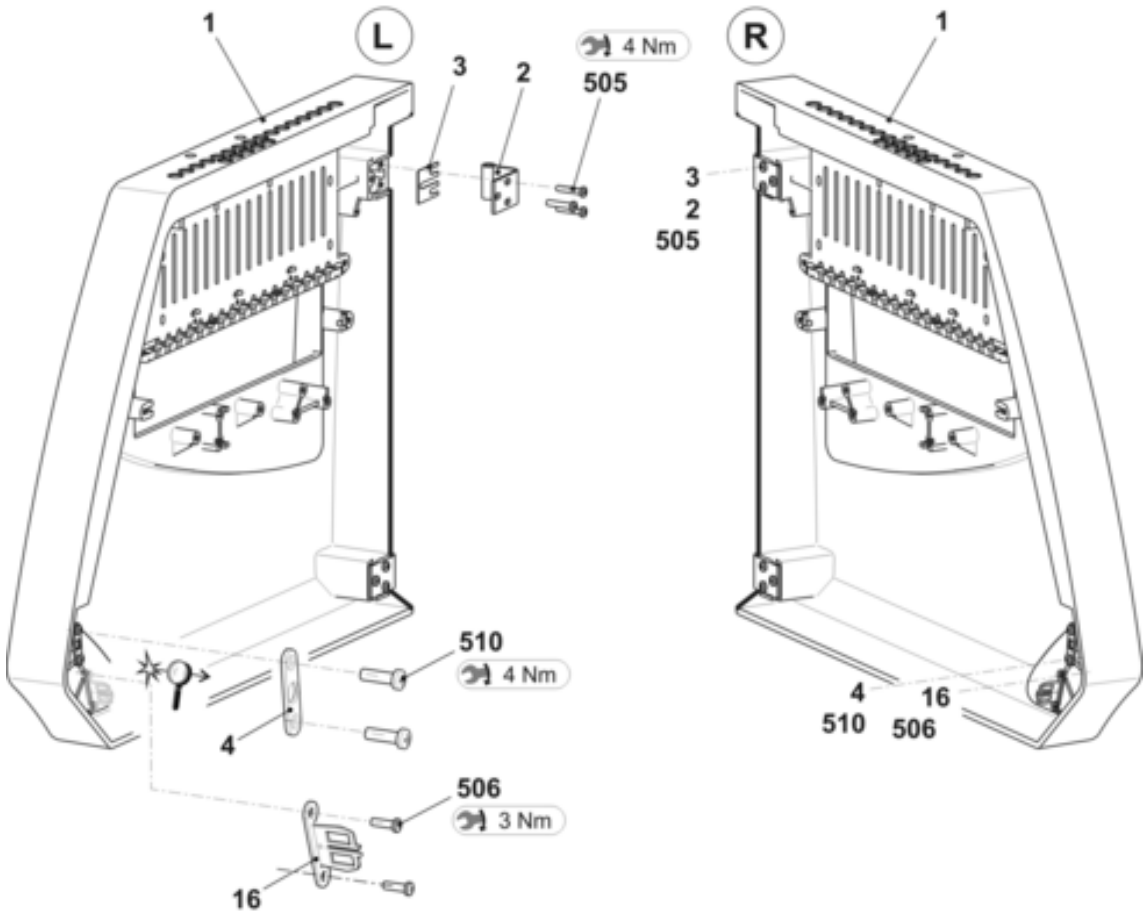


12 Protective units



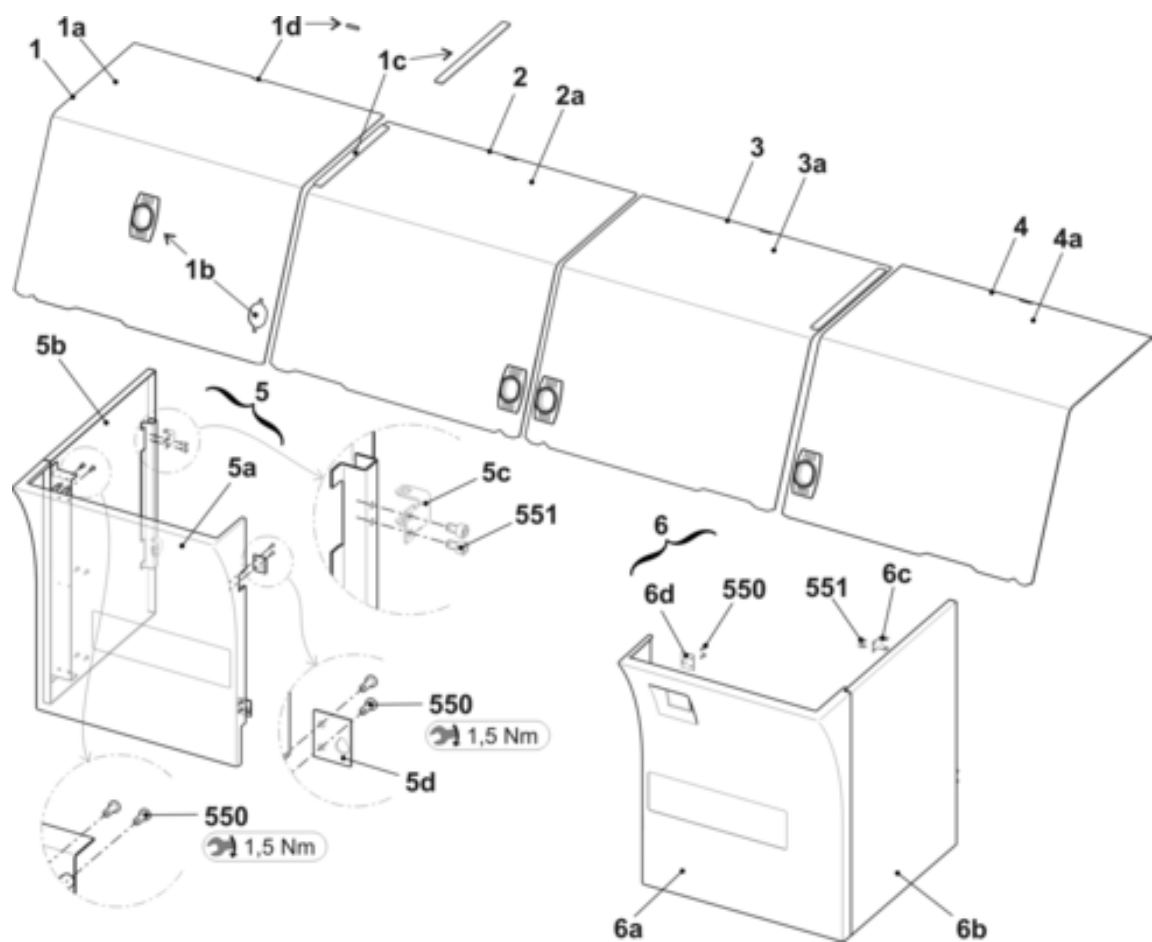
12.1 Lateral safety doors

Pos	Designation	Id		Pos	Designation	Id
Σ	Safety door on the left			Σ	Safety door on the right	
1	Safety door on the left	250 562		1	Safety door on the right	250 563
2	Hinge	241 994		2	Hinge	241 994
3	Plate	224 717		3	Plate	224 717
4	Locking plate	219 748		4	Locking plate	219 748
16	ActuatorAZ 15/16	255 492		16	ActuatorAZ 15/16	255 492
505	Screw KB 60x30	237 683		505	Screw KB 60x30	237 683
506	Screw KB 40x14	241 358		506	Screw KB 40x14	241 358
510	Screw KB 60x20	237 682		510	Screw KB 60x20	237 682



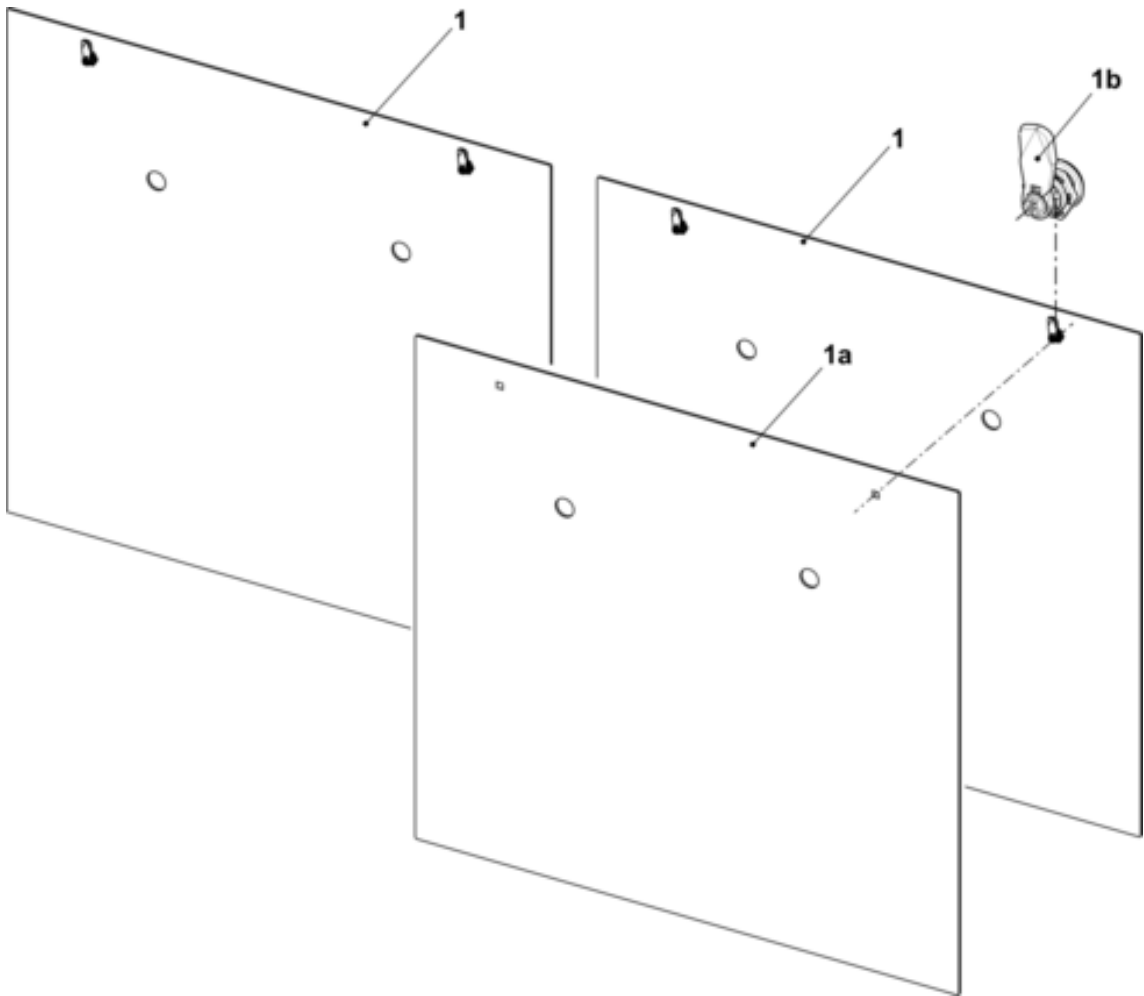
12.2 Panelling

Pos	Designation		Id		Pos	Designation		Id
1	Cover 1 completeCover completeCover completeCover complete		257 303		3	Cover 3 completeCover completeCover completeCover complete		257 305
	1a	Cover 1	257 296			3a	Cover 3	257 298
	1b	Inlet type handle	251 376			1b	Inlet type handle	251 376
	1c	Stripper	219 393			1c	Stripper	219 393
	1d	Magnet	204 666			1d	Magnet	204 666
2	Cover 2 completeCover completeCover completeCover complete		257 304		4	Cover 4 completeCover completeCover completeCover complete		257 306
	2a	Cover 2	257 297			4a	Cover 4	257 299
	1b	Inlet type handle	251 376			1b	Inlet type handle	251 376
	1c	Stripper	219 393			1c	Stripper	219 393
	1d	Magnet	204 666			1d	Magnet	204 666
5	Control unit panelling on the left complete		251 233		6	Control unit panelling on the right complete		251 234
	5a	Control unit panelling on the left	251 185			6a	Control unit panelling on the right	251 186
	5b	Side part	244 989			6b	Side part	244 989
	5c	Hinge	250 273			6c	Hinge	250 273
	5d	Bracket	240 412			6d	Bracket	240 412
	550	Screw KB 50x12	240 359			550	Screw KB 50x12	240 359
	551	Cap screwM6x16	020 135			551	Cap screwM6x16	020 135

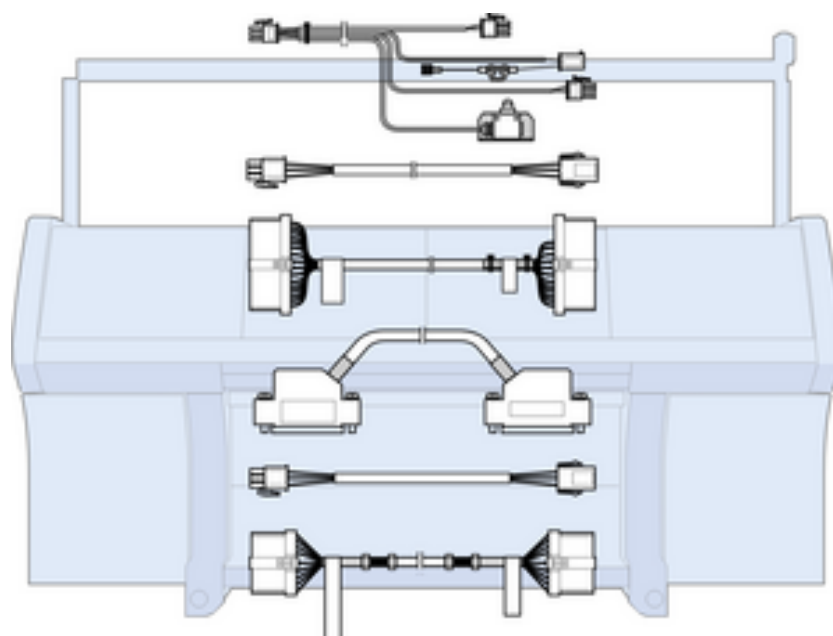


12.3 Rear panel

Pos	Designation	Id		Pos	Designation	Id
1	Panelling at the rear complete	257 668		1a	Panelling	257 662
				1b	Safety sash fastener	243 052



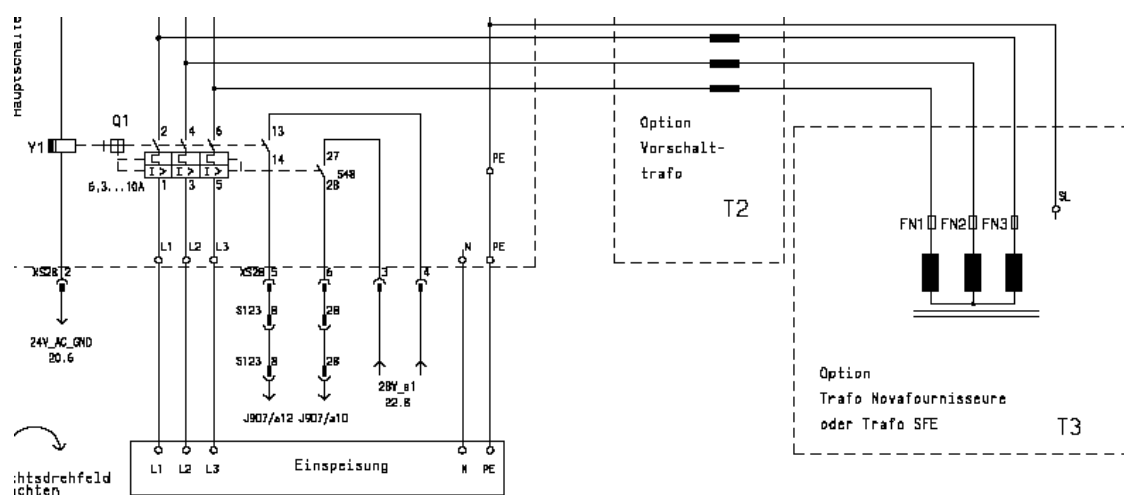
13 Electrical equipment



13.1 Circuit diagram (222) as PDF

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

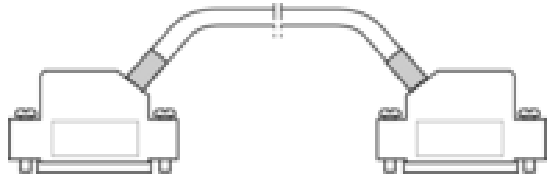
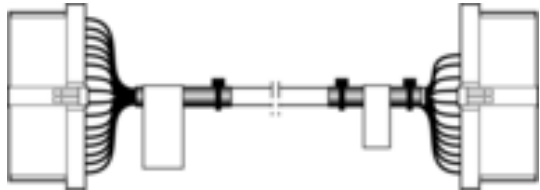
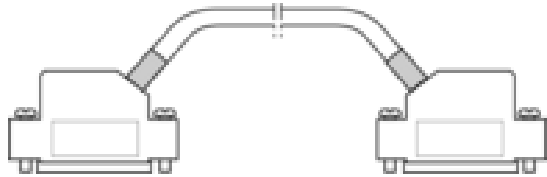
You will find the circuit diagram 222 on the CMS documentation DVD with the ID no. 257 157



13.2 Fuses

	Designation	Id
	Fuse 1,0A F 5x20	008 748
	Fuse 3,15A T/440V 6,3x32	025 261
	Fuse 10A T/440V 6,3x32Fuse	025 258
	Fuse 2,5A T/440V 6,3x32	217 465
	Fuse 1,6A T/440V 6,3x32	236 229
	Fuse 6,3A T/440V 6,3x32	026 809
	Fuse 8A T/440V 6,3x32Fuse	241 866
	Fuse 12,5A T/440V 6,3x32	232 367

13.3 Trailing cable

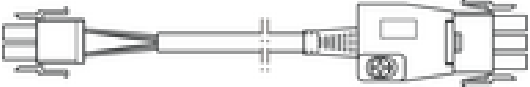
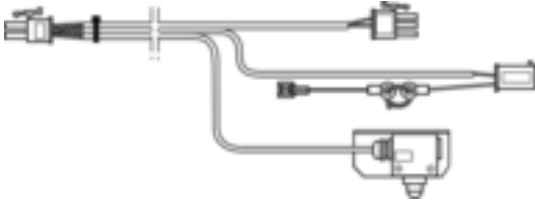
Designation		ID	Designation		ID
Σ	Trailing cable set OKC_520 1IMP-2	259 288			
Cable carriage at the rear 520C BME2 XR332		255 054	Cable yarn carrier XR161		254 886
					
Cable carriage at the front 520C BME2 XR333		254 888	Cable impulse sensor 2 at the rear XR136		259 357
					

13.4 Cable set installation

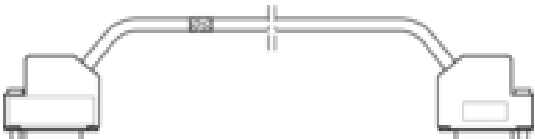
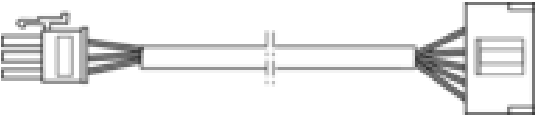
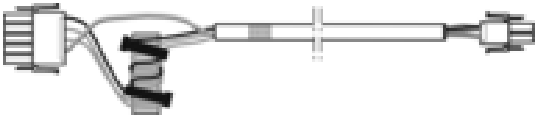
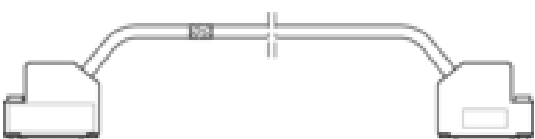
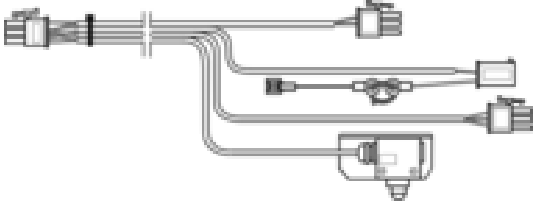
Designation			ID	Designation			ID
Σ	Cable set installation 5XX okc		253 618				
1	Loom of cables base 1 5XX		253 619	3	Loom of cables 5XX okc		253 621
2	Loom of cables base 2okc		240 257	4	Loom of cables comb okc		240 259
6	Cable switch main take-down 50" ECO2		252 541	7	Cable supply FKE lamp ECO2		252 587
							

13.4 Cable set installation

13.4.1 Loom of cables base 1

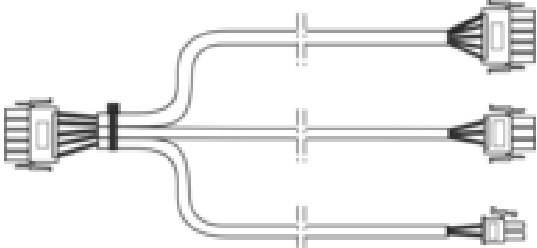
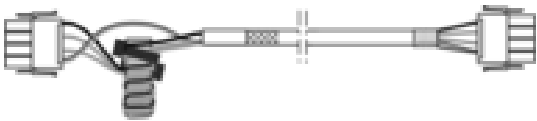
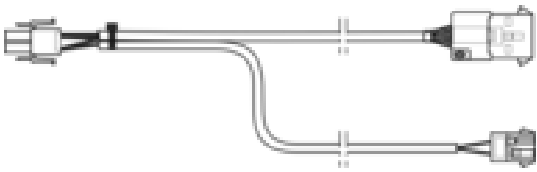
Designation		ID	Designation		ID
Σ	Loom of cables base 1 5XX	253 619			
	Cable feed wheel on the left 50" okc	240 464		Cable protective device on the left okc	253 620
					
	Cable Engaging rod ECO2	252 538			
					

13.4.2 Loom of cables base 2

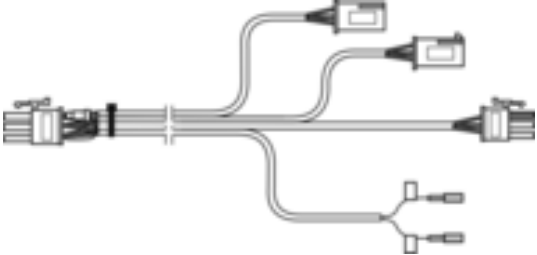
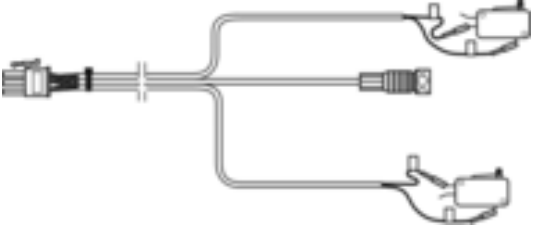
Designation		ID	Designation		ID
Σ	Loom of cables base 2okc	240 257			
	Cable motor HIAB	240 291		Cable resolver drive okc 3xx	240 296
					
	Cable racking limit switch okc 3xx	240 292		Cable racking motor okc 3xx	240 297
					
	Cable fan drive 3xx okc	240 293		Cable resolver racking okc 3xx	240 298
					
	Cable feed wheel on the right / on the left okc	240 294		Cable protective device on the right okc	253 441
					
	Cable drive motor okc 3xx	240 295			
					

13.4 Cable set installation

13.4.3 Loom of cables

Designation	ID		Designation	ID
Loom of cables 5XX okc	253 621			
Cable motor auxiliary take-down 50" okc	240 467		Cable power supply unit of mains supply okc	240 505
				
Cable impulse sensor auxiliary take-down 50" okc	240 468		Cable power supply lighting	236 572
				
Cable power supply WAZ/F 50" okc	240 469		Cable switch auxiliary take-down 3xx okc	240 472
				
Cable power supply servo 50" okc	240 502		Cable power supply FLENT	251 231
				

13.4.4 Loom of cables comb

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

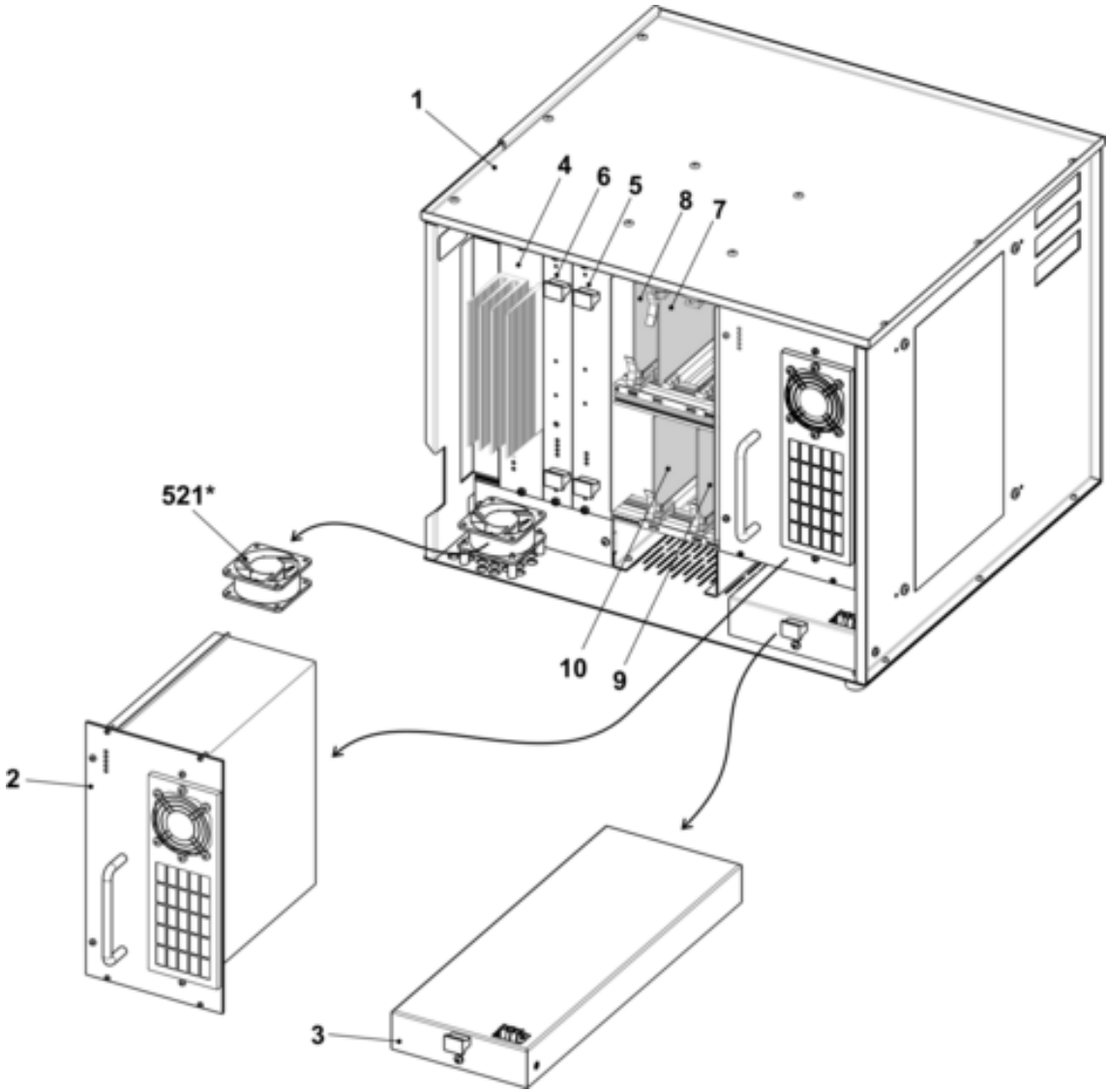
Notes:

14 Control electronics

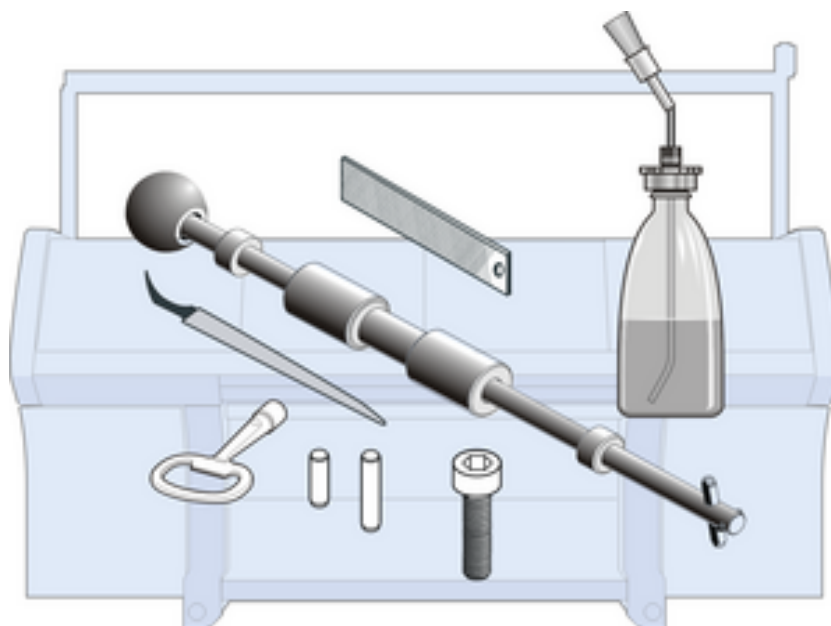


14.1 Control cabinet

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit on the right complete 520 PP	260 566		6	Card BIO ECO2	301 007
1	Control unit without equipment 5XX PP	260 576		7	Card final stages 4SM 7TE	300 943
2	Power supply unit CG54 1-Kanal	300 923		8	Card N-CPU 432	300 965
3	Battery plug-in unit	301 008		9	Card Power CPU B	301 009
4	Card Servo 6	301 000		10	Card IPC P8X S 01	301 010
5	Card C-WAZ ECO2	301 006		521*	Axial flow fan Servo 5	229 059



15 Deliverable accessories

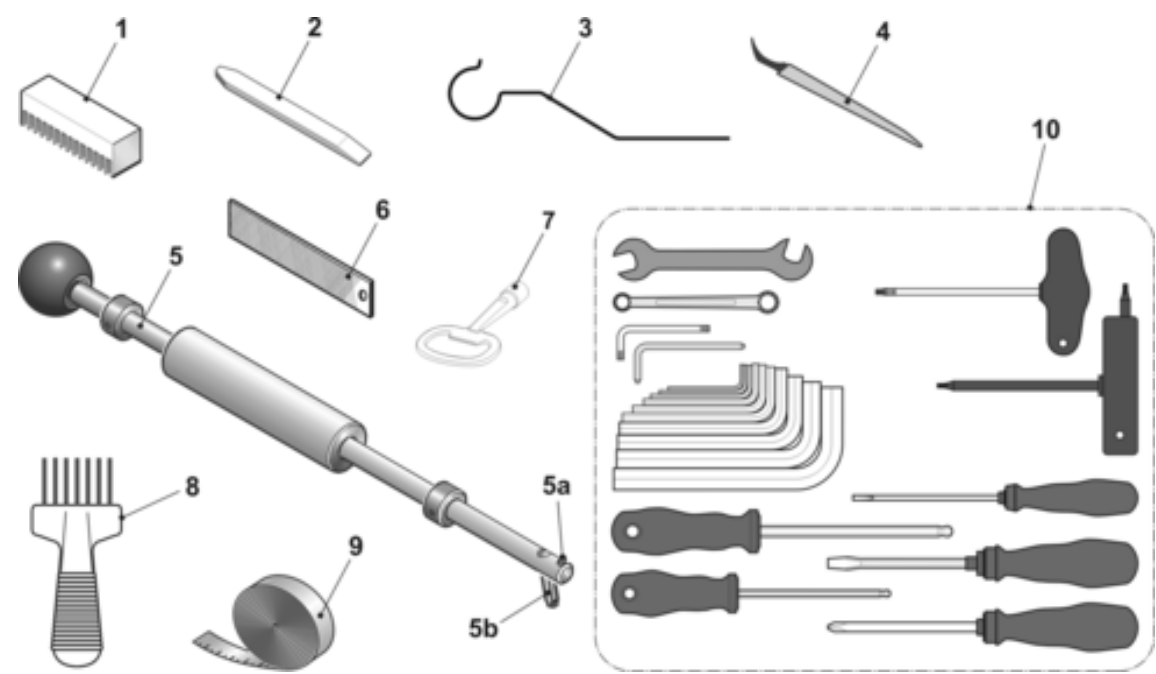


You can order the following tools, lubricants and expendables.
The following list does not correspond to the scope of delivery of the knitting machine.

15.1 Tool

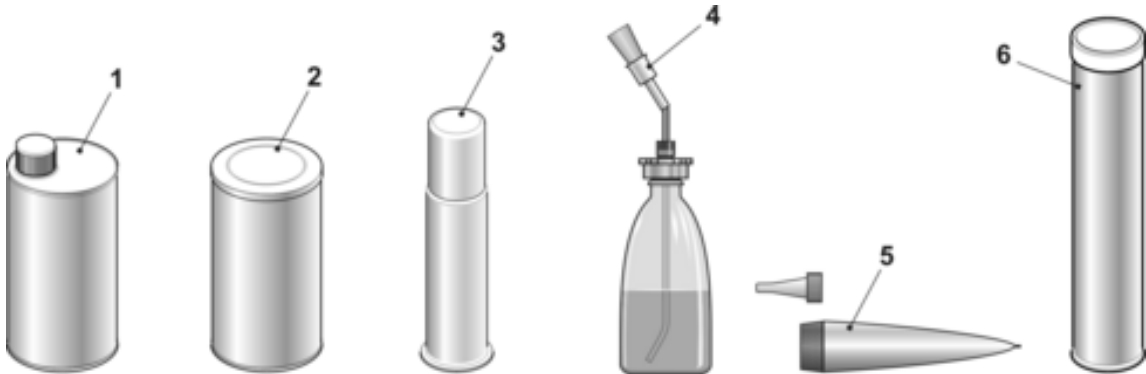
15.1 Tool

Pos	Designation	Id	Pos	Designation	Id
1	Channel support E4	062 309	6	Groove file 1,33mm E3-4	006 169
	Channel support E5, E2,5.2	062 310		Groove file 1,25mm E5-8, E3,5.2	006 170
	Channel support E7, E3,5.2	062 312		Groove file 0,90mm E10-12, E5.2 6.2	006 175
	Channel support E8	062 313		Groove file 0,73mm E14, E7.2	006 173
	Channel support E10, E5.2	062 314		Groove file 0,45mm E16-18, E9.2	006 179
	Channel support E12, E6.2	062 315	7	Key of switch cabinet	009 346
	Channel support E14, E7.2	218 069	8	Groove cleaner E4	031 232
	Channel support E16, E8.2	230 188		Groove cleaner E5	031 233
	Channel support E18, E9.2	230 189		Groove cleaner E6	031 234
	Channel support E20	230 190		Groove cleaner E7, E3,5.2	031 235
2	Channel chisel E14-20 (E5-14)	062 316		Groove cleaner E8	031 236
	Channel chisel E4-8 (E3,5.2)	062 317		Groove cleaner E10 (E5.2)	031 238
	Channel chisel E10-14	062 318		Groove cleaner E12 (E6.2)	031 240
3	Yarn guide on the left	227 071		Groove cleaner E14 (E7.2)	031 242
	Yarn guide on the right	227 070		Groove cleaner E16	225 111
4	Working hook	227 249		Groove cleaner E18 (E9.2)	225 112
5	Extraction hook	232 027		Groove cleaner E20	225 113
	5a Small pin	202 843	9	Measuring tape L=150cm	228 180
	5b Pencil	232 022	10	Tool kit	209 527



15.2 Lubricating stuff

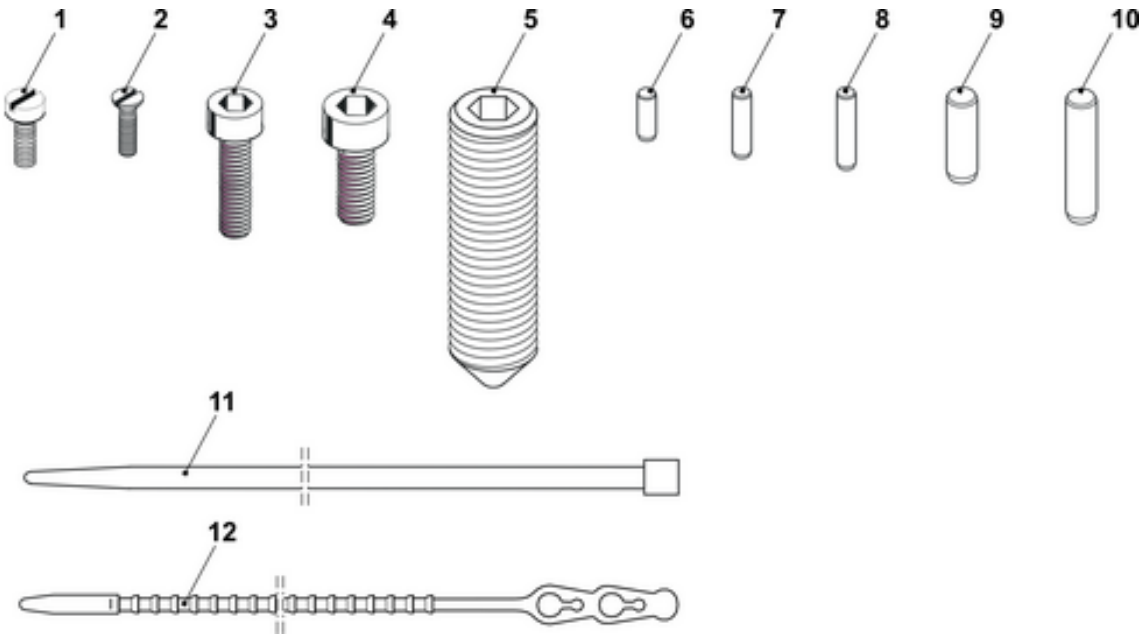
Pos	Designation	Id		Pos	Designation	Id
1	Silvertex T 46, 1l	230 614		4	Oil combifix	216 732
2	Grease OKS 475, 1kg	009 200		5	White grease paste OKS270	229 372
3	Grease OKS 475, 150g	005 351		6	Grease Staburags NBU 12/300KP	231 191



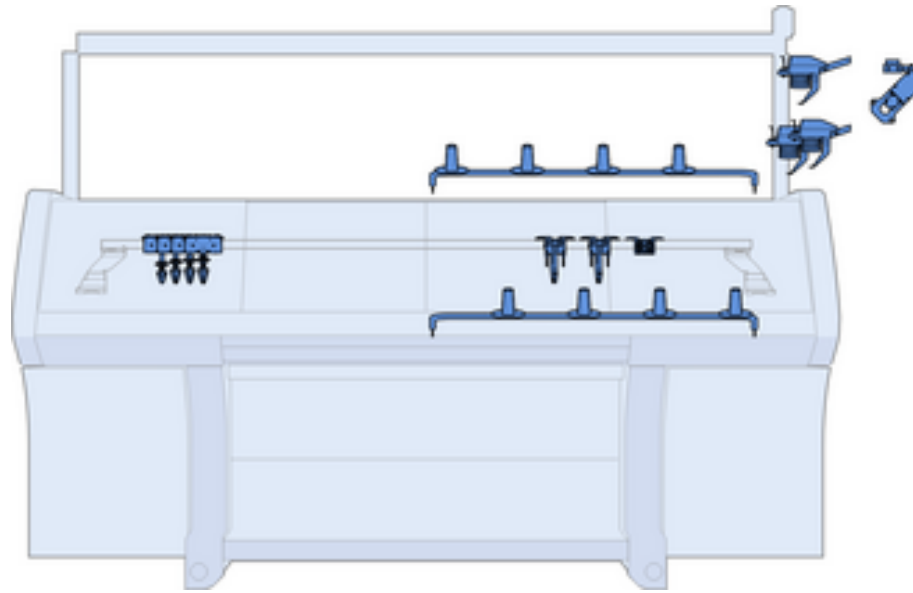
15.3 Mechanical parts

15.3 Mechanical parts

Pos	Designation	Id		Pos	Designation	Id
1	Cap screw M4x8	020 091		11	Cut cable 203x3,6mm	025 815
2	Countersunk screw M3x6	020 286			Cut cable T50L	026 294
3	Cap screw M5x16	022 726			Cut cable 140x3,6mm	008 379
4	Cap screw M6x14	022 658			Cut cable 302x4,8mm	008 642
5	Setscrew M16x50	023 235			Cut cable 92x2,4mm	008 378
6	Dowel pin 3x7	020 643		12	Reusable tie ABV 232 320mm	026 557
7	Dowel pin 3x10	020 645				
8	Dowel pin 3x12	020 647				
9	Dowel pin 5x12	021 988				
10	Dowel pin 5x18	022 622				



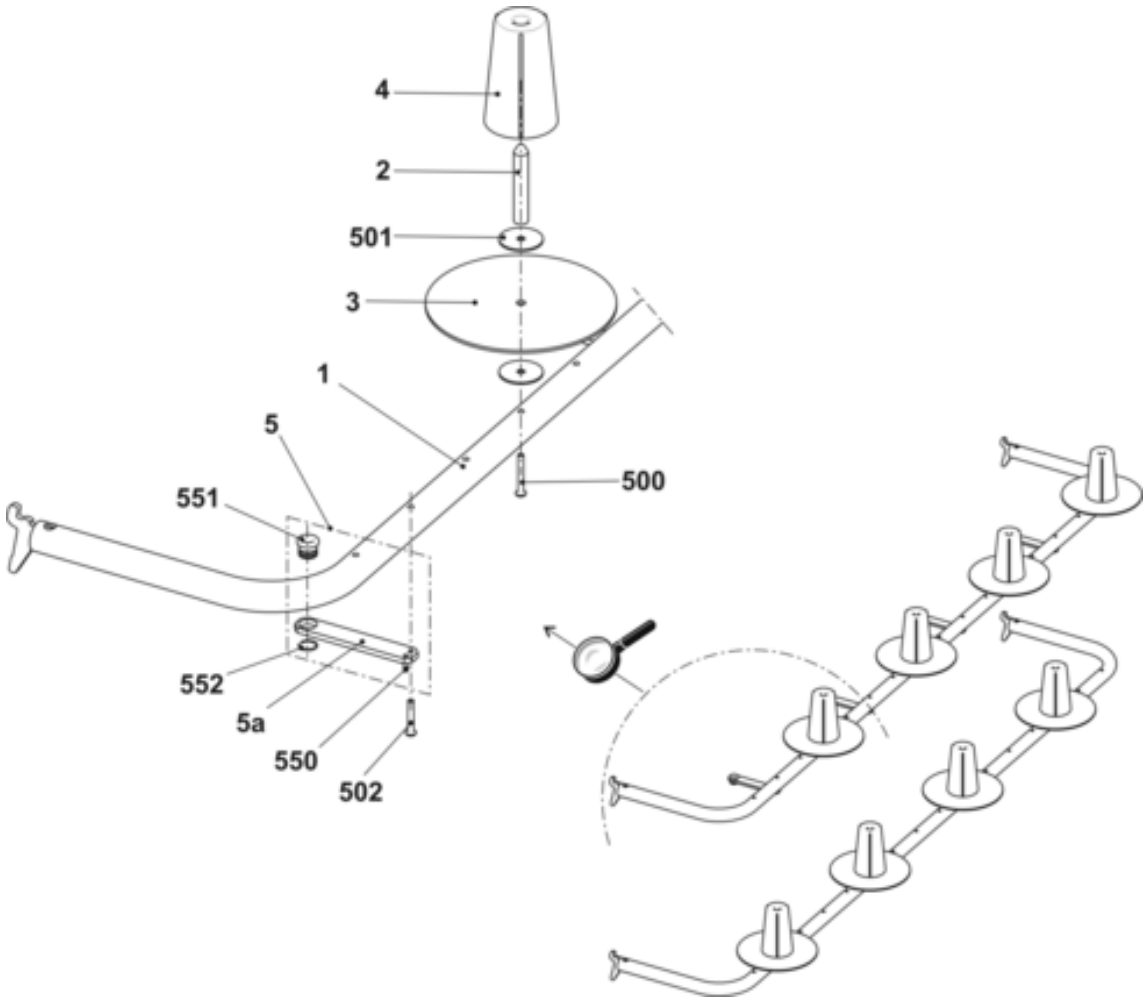
16 Special attachments



16.1 Additional bobbin board (top, bottom)

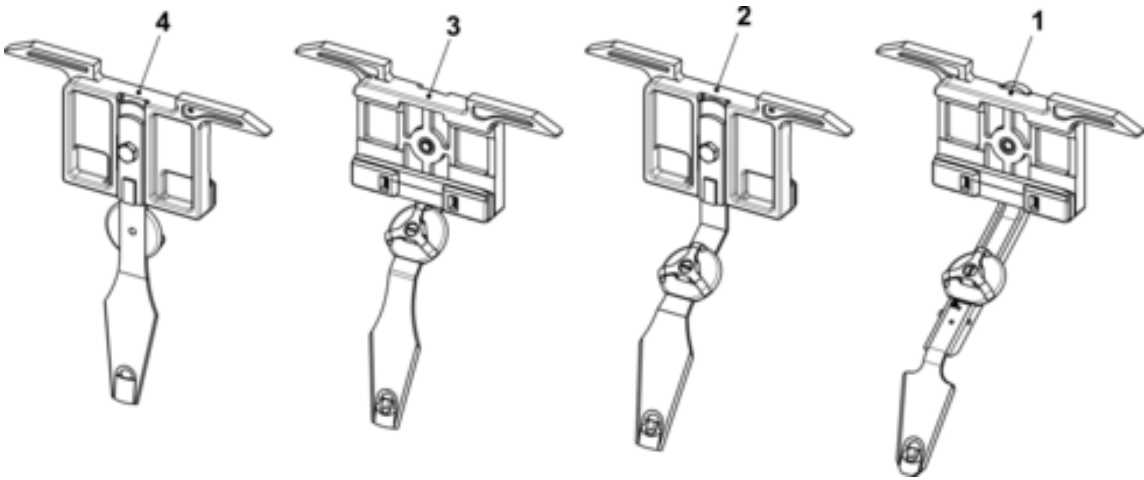
16.1 Additional bobbin board (top, bottom)

Pos	Designation		ID		Pos	Designation		ID
Σ	Additional bobbin board 50'' IFF complete		244 424					
1	Additional bobbin board welded		243 608		5	550	Dowel pin 3x12	020 647
2	Positioning pin		202 777			551	Eyelet	021 504
3	DiskD=130		062 385			552	Snap ring A12	020 996
4	Bobbin support		200 363		500	Pan-head screwM4x30		023 681
5	Yarn guide		243 765		501	Washer5,3x30x1,25		023 556
	5a	Guide part	243 623		502	Pan-head screwM4x25		023 511



16.2 Yarn carrier carriage

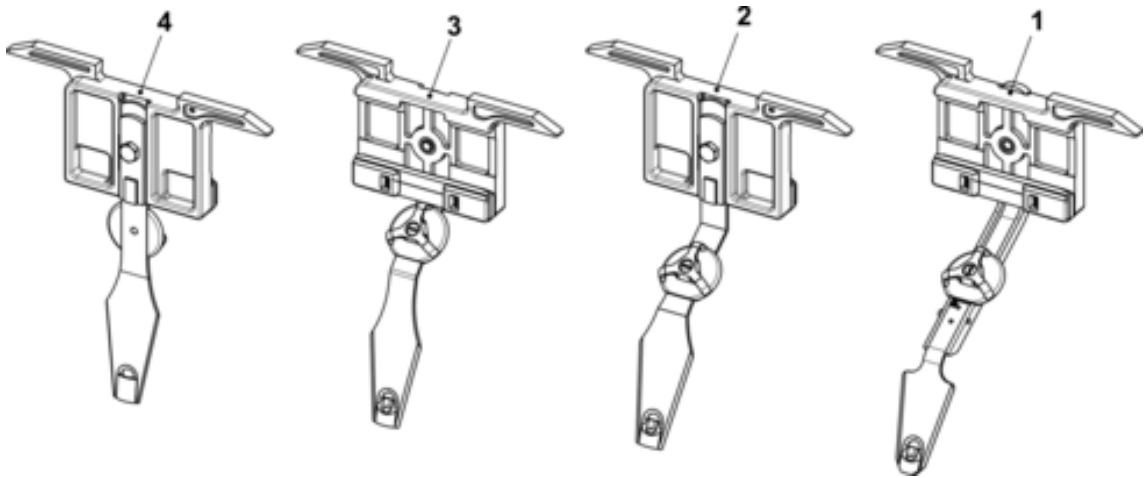
Pos	Designation	ID		Pos	Designation	ID
1	Yarn carrier carriage 1+8 complete	217 486		3	Yarn carrier carriage 3+6 complete	217 488
2	Yarn carrier carriage 2+7 complete	217 487		4	Yarn carrier carriage 4+5 complete	217 489



16.3 Yarn carrier carriage (for ultra coarse yarns)

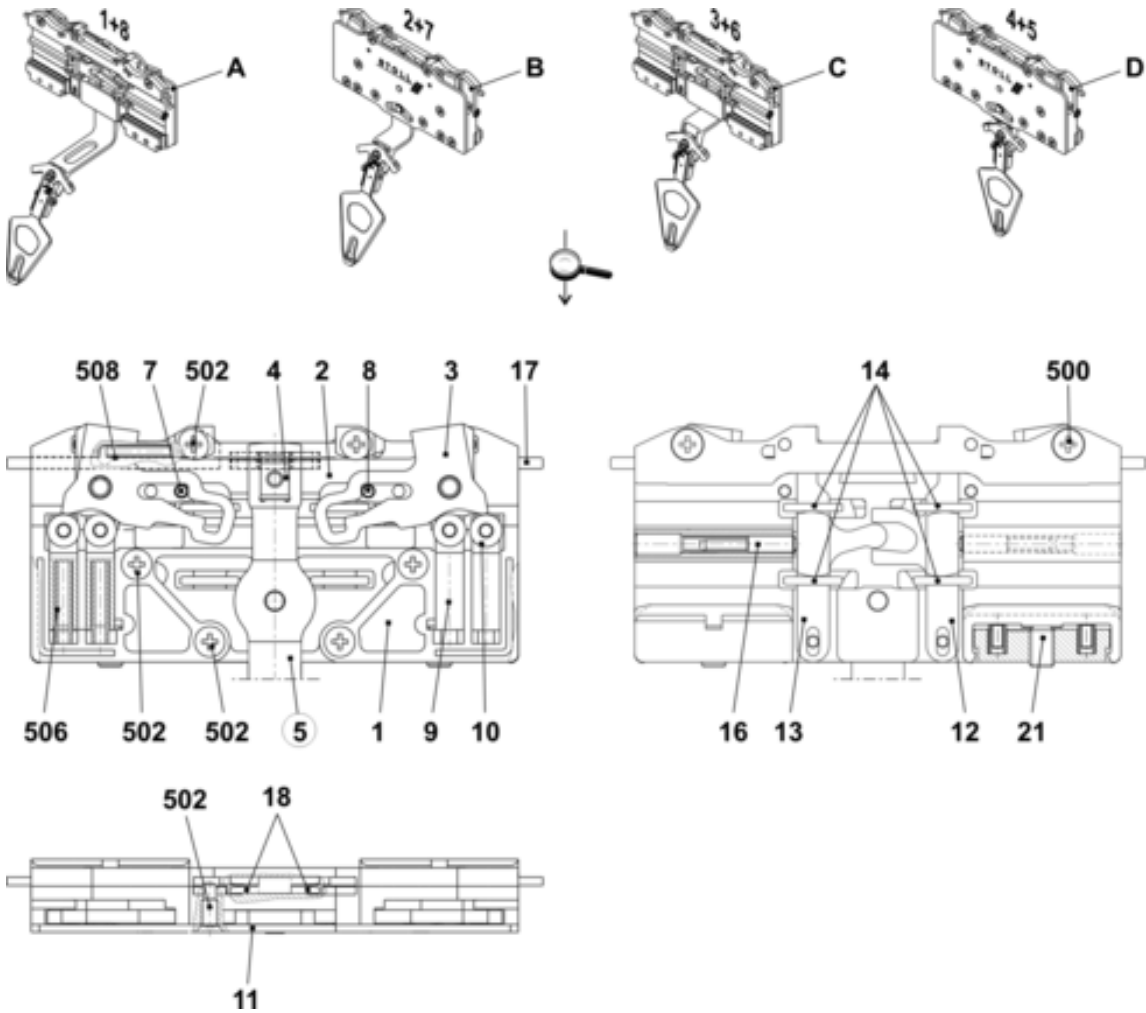
16.3 Yarn carrier carriage (for ultra coarse yarns)

Pos	Designation	ID		Pos	Designation	ID
1	Yarn carrier carriage 1+8 complete	231 856		3	Yarn carrier carriage 3+6 complete	231 858
2	Yarn carrier carriage 2+7 complete	231 857		4	Yarn carrier carriage 4+5 complete	231 859



16.4 Complete intarsia yarn carriers

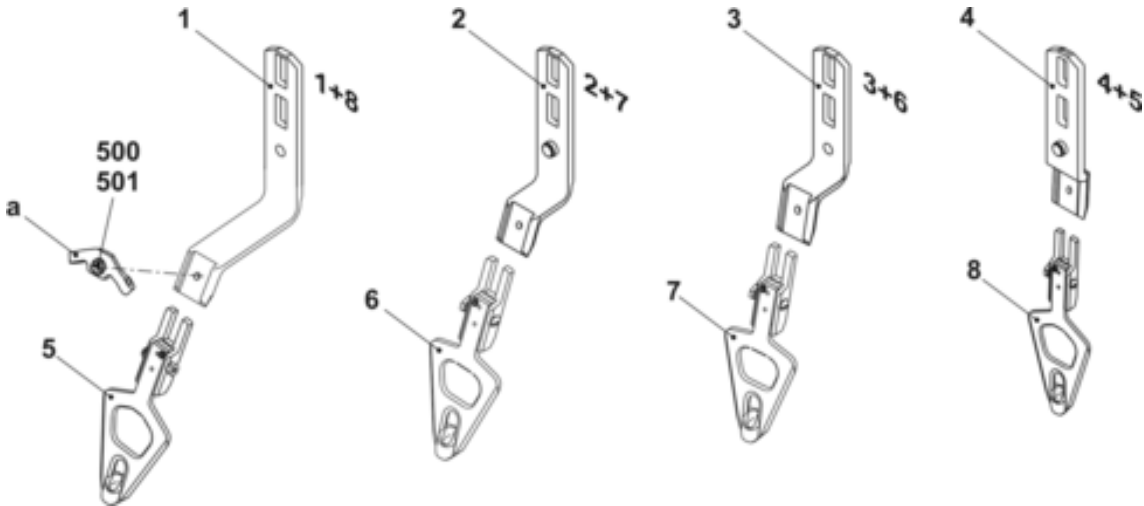
Pos	Designation	ID	Pos	Designation	ID
ΣA	IFF carriage 1+8 complete	213 773	10	Pressure roller	212 774
ΣB	IFF carriage 2+7 complete	213 774	11	Cover	213 392
ΣC	IFF carriage 3+6 complete	213 775	12	Clamping lever on the right	216 100
ΣD	IFF carriage 4+5 complete	213 776	13	Clamping lever on the left	216 101
1	Basic plate complete	213 408	14	Pressure plate 2,04	201 654
2	Slider	217 188		Pressure plate 2,06	208 924
3	Locking bar	212 508	16	Spring pin	201 677
4	Sliding block	213 807	17	Lifter	212 547
5	Yarn carrier bow x+y complete		18	Sliding part	213 391
7	Locating pin 3,3 (2+7/3+6)	212 504	21	Threaded bolt	213 399
	Locating pin 3,4 (1+8/2+7/3+6/4+5)	212 505	500	Countersunk head screw M4x6	022 994
8	Locating pin 3,3 (2+7/3+6/4+5)	212 504	502	Countersunk head screw M4x12,5	022 979
	Locating pin 3,4 (2+7/3+6/4+5)	212 505	506	Compression spring 4,0x0,7x25	022 969
	Locating pin 3,5 (1+8)	212 506	508	Compression spring 2,8x0,35x19	023 394
9	Thrust piece	212 773			



16.4 Complete intarsia yarn carriers

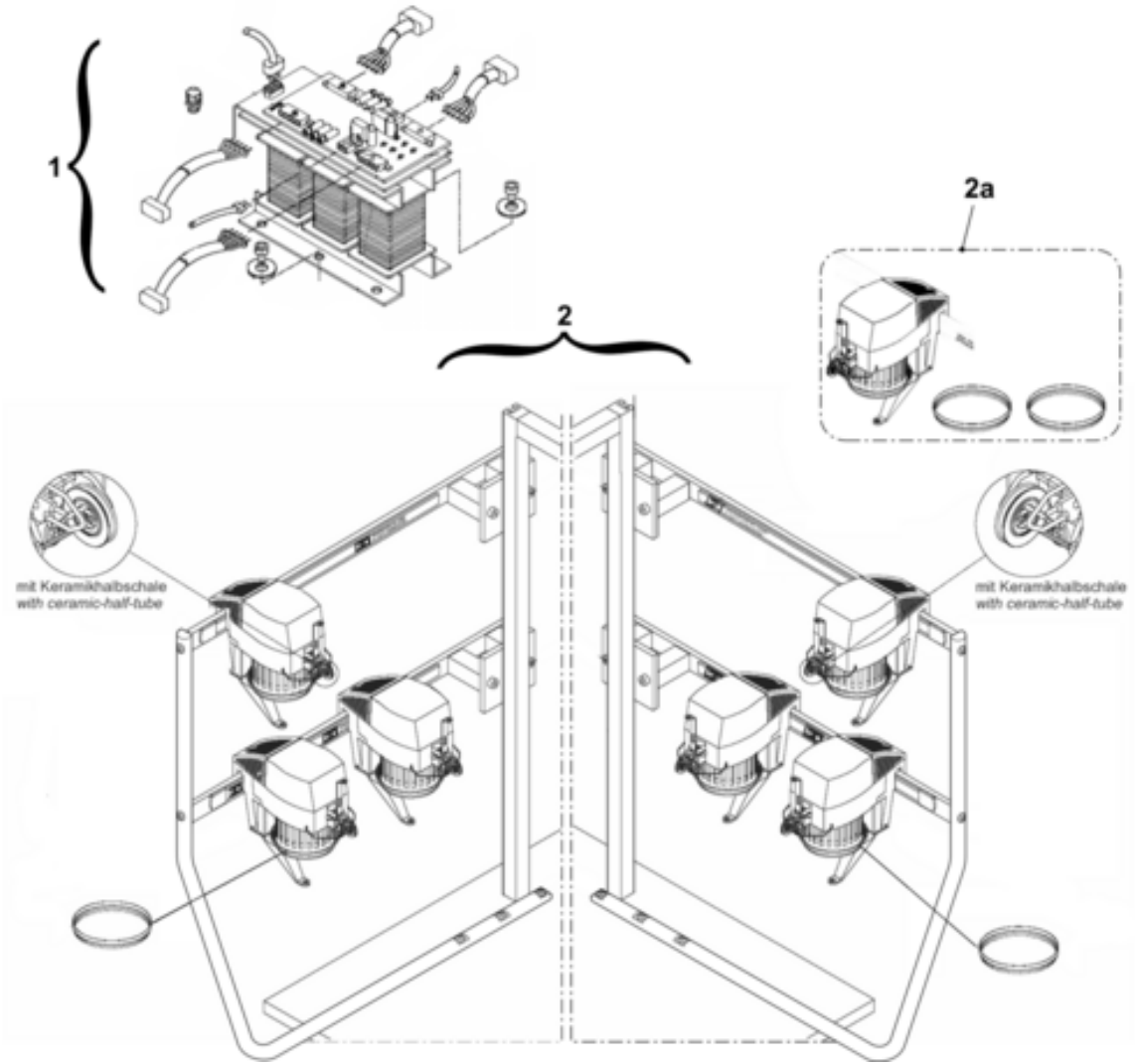
16.4.1 Bow and head IFF

Pos	Designation	ID		Pos	Designation	ID
Σ	IFF carriage 1+8 complete	213 773				
	IFF carriage 2+7 complete	213 774		5	YC head 1+8 complete	216 352
	IFF carriage 3+6 complete	213 775		6	YC head 2+7 complete	216 353
	IFF carriage 4+5 complete	213 776		7	YC head 3+6 complete	216 354
1	FF bow 1+8 complete	213 768		8	YC head 4+5 complete	216 355
2	FF bow 2+7 complete	213 769		a	Yarn guide angle	201 672
3	FF bow 3+6 complete	213 770		500	Cap screw M4x8	022 977
4	FF bow 4+5 complete	213 771		501	CirclipS4-FST	022 774



16.5 Feed wheel SFE

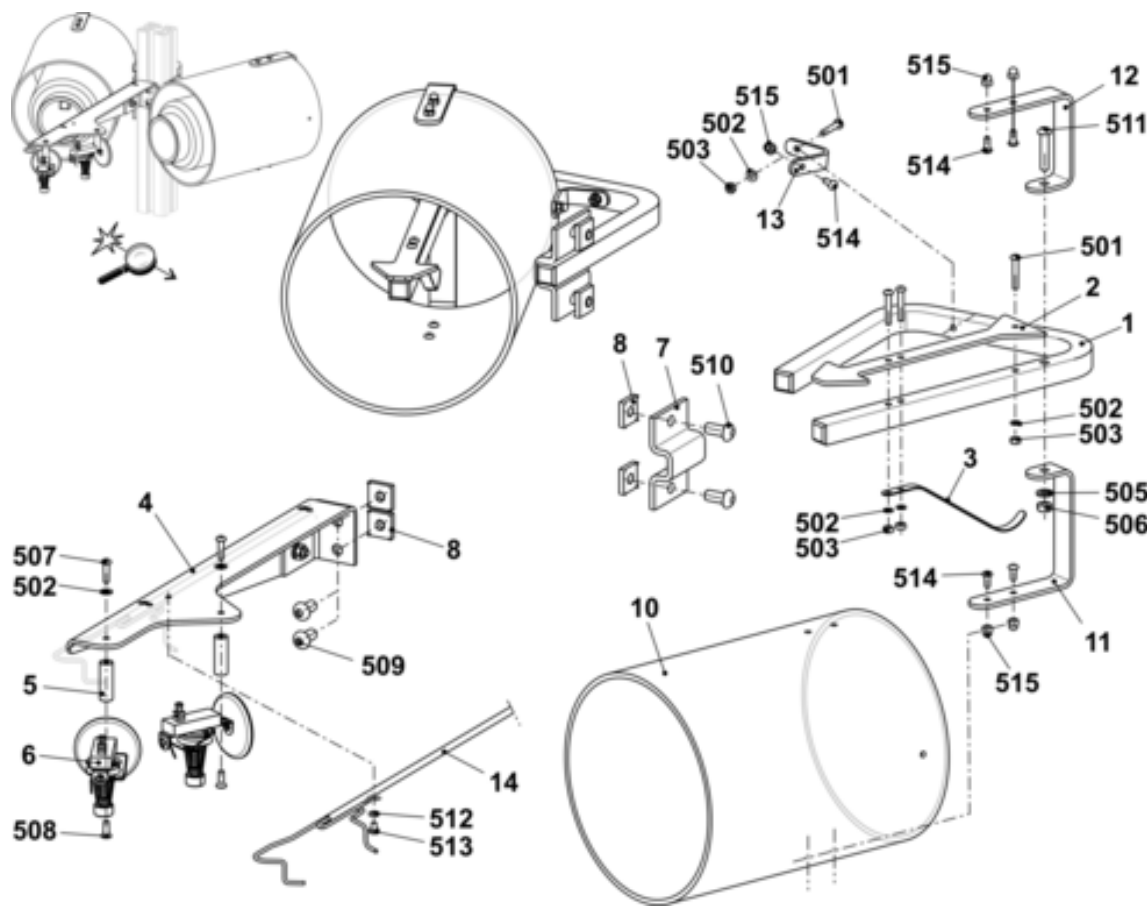
Pos	Designation	ID	Note
Σ	Attachment set storage feed wheel SFE	231 427	Please order the SFE spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Tel.: +49 (0)7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the SFE spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.
1	Transformer with cable	231 979	
2	Mounted set SFE without transformer	231 980	
	2a SFE feed wheel	231 537	



16.6 Bobbin holder on the left

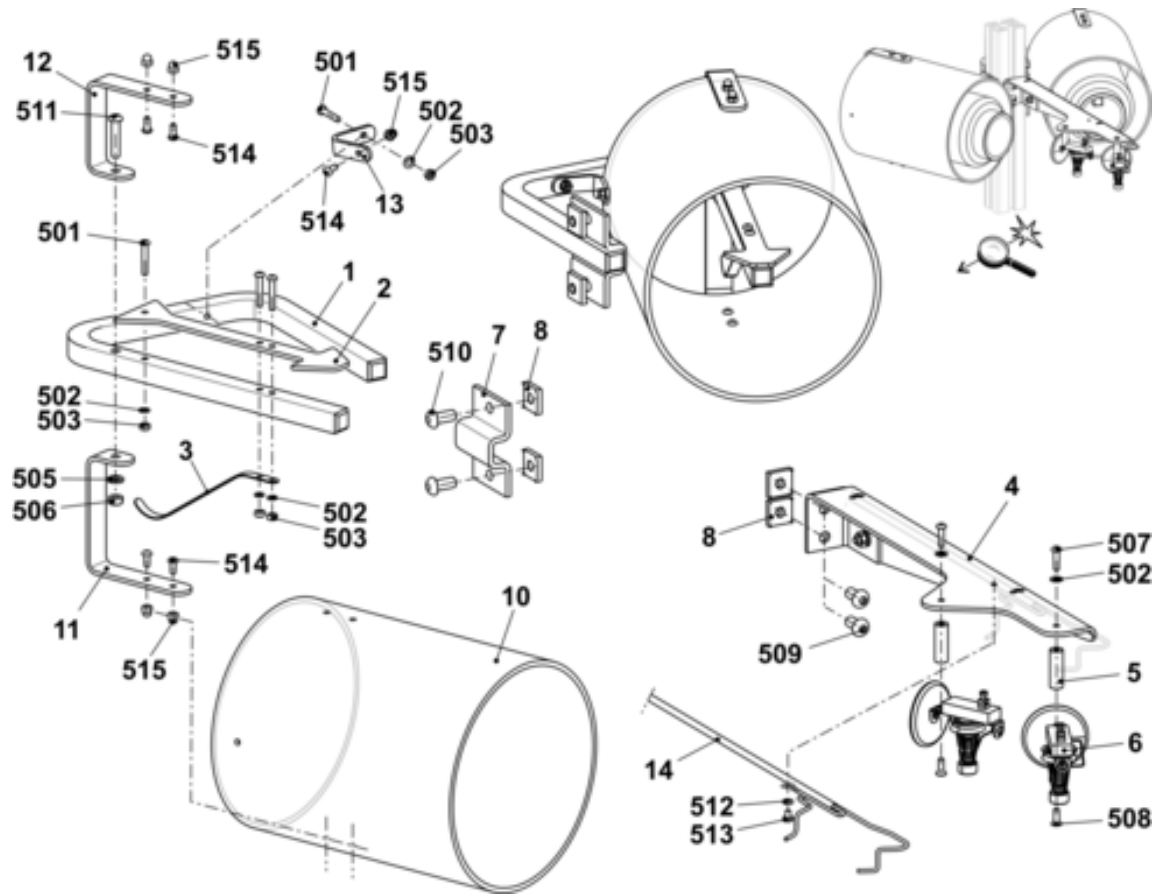
16.6 Bobbin holder on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the left	253 965	501	Pan-head screwM4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screwM4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screwM8x16	023 113
8	Slot nut	228 851	510	Pan-head screwM8x18	251 331
10	Cover	253 968	511	Pan-head screwM6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screwM4x6	022 946
13	Holding angle	253 967	514	Pan-head screwM4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



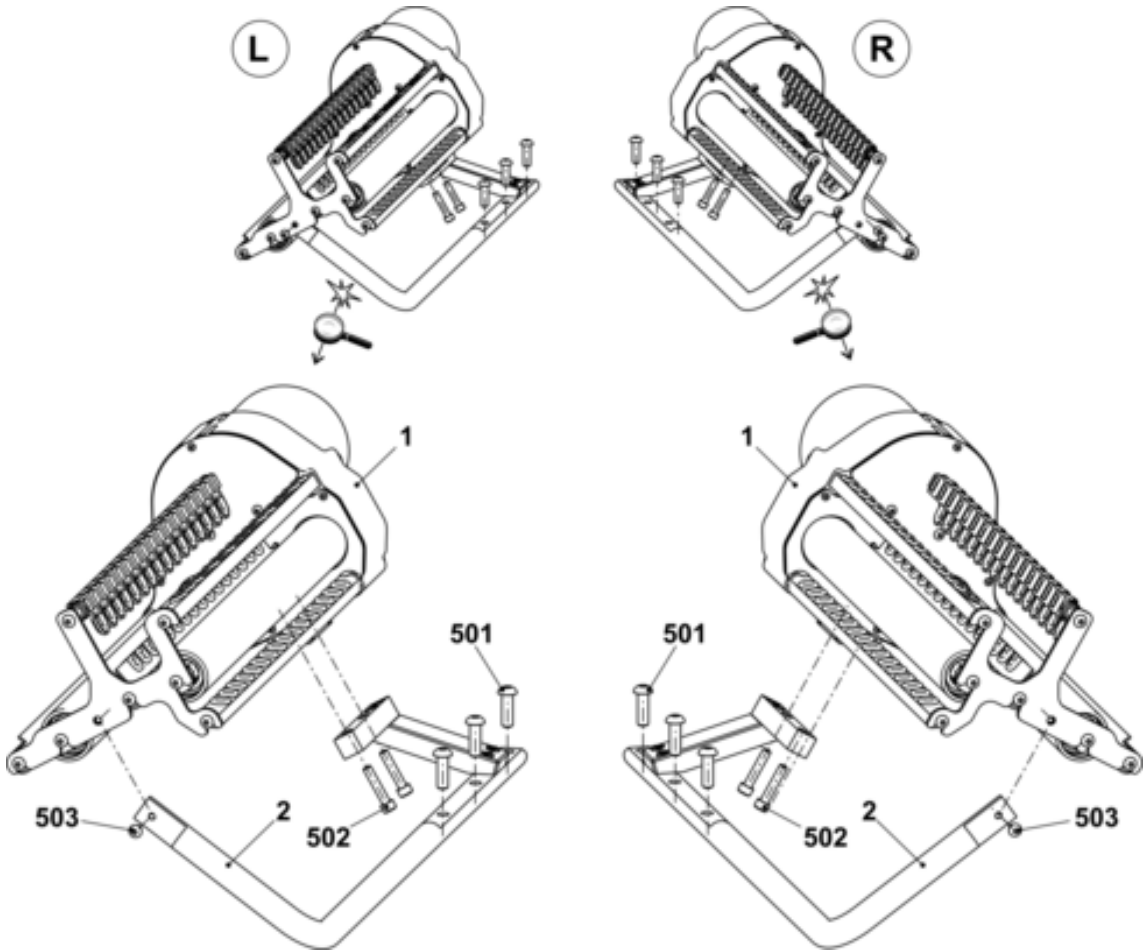
16.7 Bobbin holder on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the right	253 966	501	Pan-head screwM4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support right	253 348	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screwM4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screwM8x16	023 113
8	Slot nut	228 851	510	Pan-head screwM8x18	251 331
10	Cover	253 968	511	Pan-head screwM6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screwM4x6	022 946
13	Holding angle	253 967	514	Pan-head screwM4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



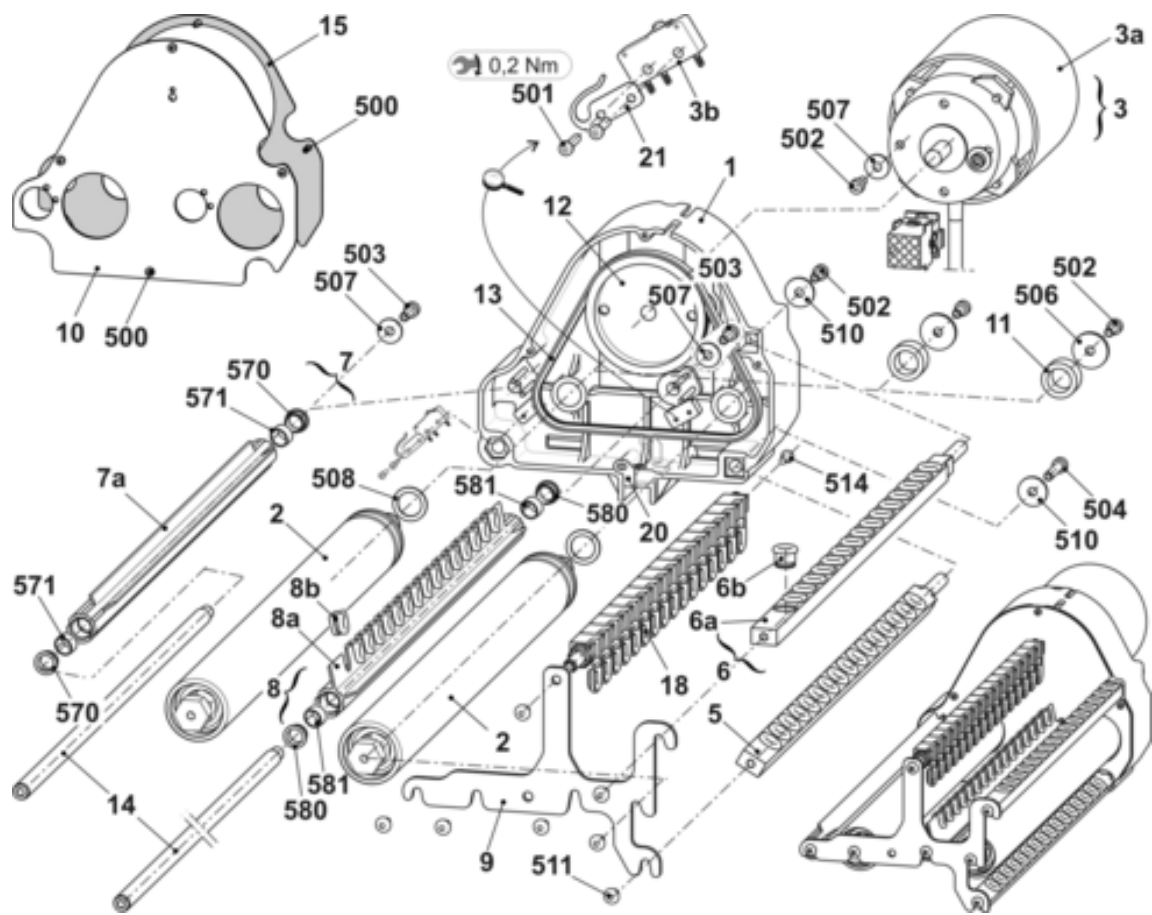
16.8 Conversion kit friction feed wheel

Pos	Designation	ID		Pos	Designation	ID
Σ	Conversion kit friction feed wheel	259 182				
1	Friction feed wheel on the left	244 185		1	Friction feed wheel on the right	244 186
2	Support on the left	243 869		2	Support right	244 142
501	Pan-head screw M8x25	023 027		501	Pan-head screw M8x25	023 027
502	Cap screw M6x30	020 138		502	Cap screw M6x30	020 138
503	Pan-head screw M5x8	239 408		503	Pan-head screw M5x8	239 408



16.8.1 Friction feed wheel on the left

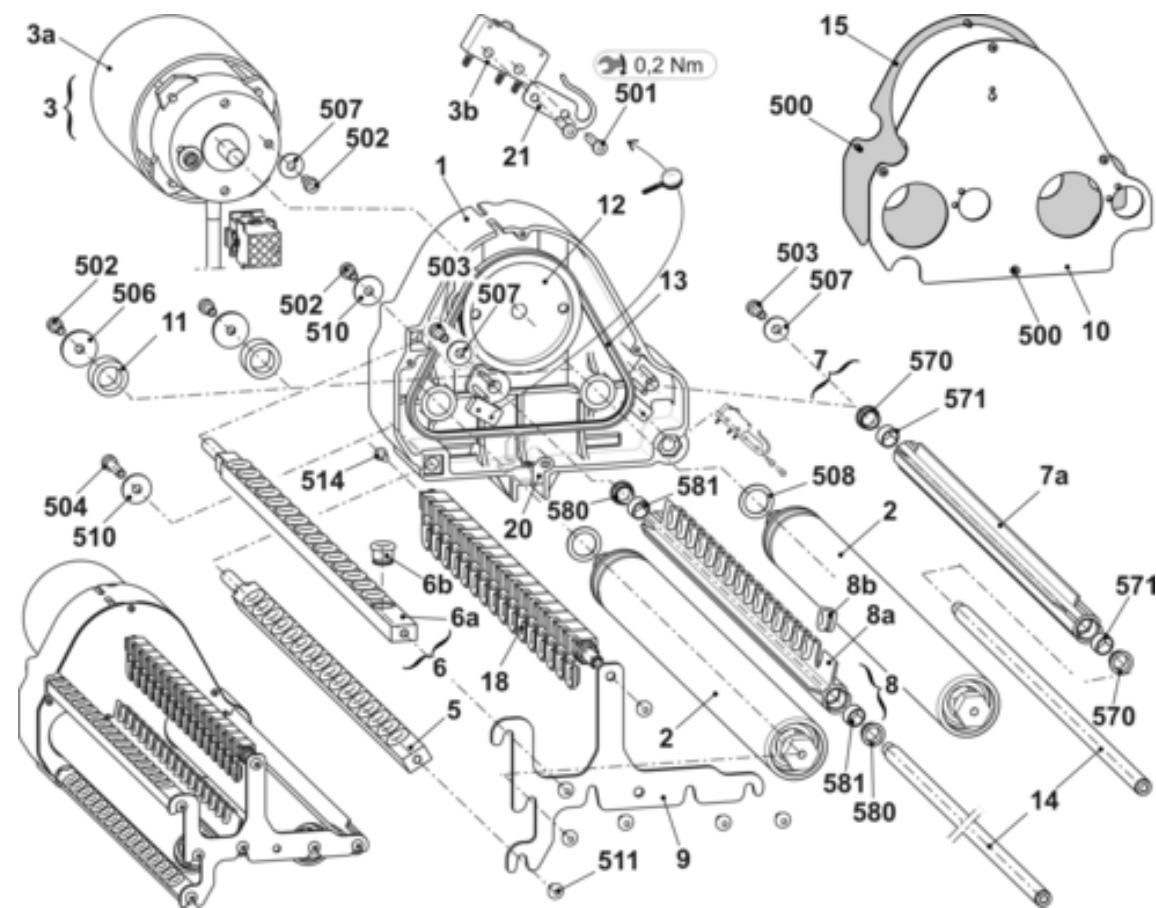
Pos	Designation		ID	Pos	Designation		ID
Σ	Friction feed wheel 16 fold on the left complete		244 185	10	Cover		251 098
1	Housing		240 368	11	Bush		221 391
2	Friction roller complete		243 860	12	V-ribbed belt pulley		221 268
3	Three-phase AC motor 3x42V complete		219 800	13	Ribbed V-belt		206 927
	3a	Three-phase AC motor	220 161	14	Rod		243 868
	3b	Microswitch	008 664	15	Cover		230 758
5	Yarn guide rod 16-fold complete		244 576	18	Deflector complete 16-fold		250 102
6	Yarn guide rod 16-fold complete		244 578	20	Grounding plate		256 622
	6a	Yarn guide rod 16-fold	244 577	21	Spring plate		256 702
	6b	Ceramic eyelet	240 640	500	Screw KB30x8		236 228
7	Stop motion rail on the right complete		243 863	501	Screw M20x10		244 736
	7a	Stop motion rail on the right	243 864	502	Cap screwM5x12		020 132
	570	Slide bearing GFM-101214-07	023 627	503	Cap screwM5x16		022 726
	571	Guide piece	259 453	504	Cap screwM5x25		023 523
8	Stop motion rail on the left complete		243 865	506	Washer5,3x22x2,5		023 219
	8a	Stop motion rail on the left	243 866	507	Washer5		020 901
	8b	Eyelet	230 662	508	Shim ring 15x21x1		023 216
	580	Slide bearing GFM-101214-07	023 627	510	Washer5		023 542
	581	Guide piece	259 453	511	Pan-head screwM5x8		239 408
9	Bracket		251 113	514	Pan-head screwM4x8		023 579



16.8 Conversion kit friction feed wheel

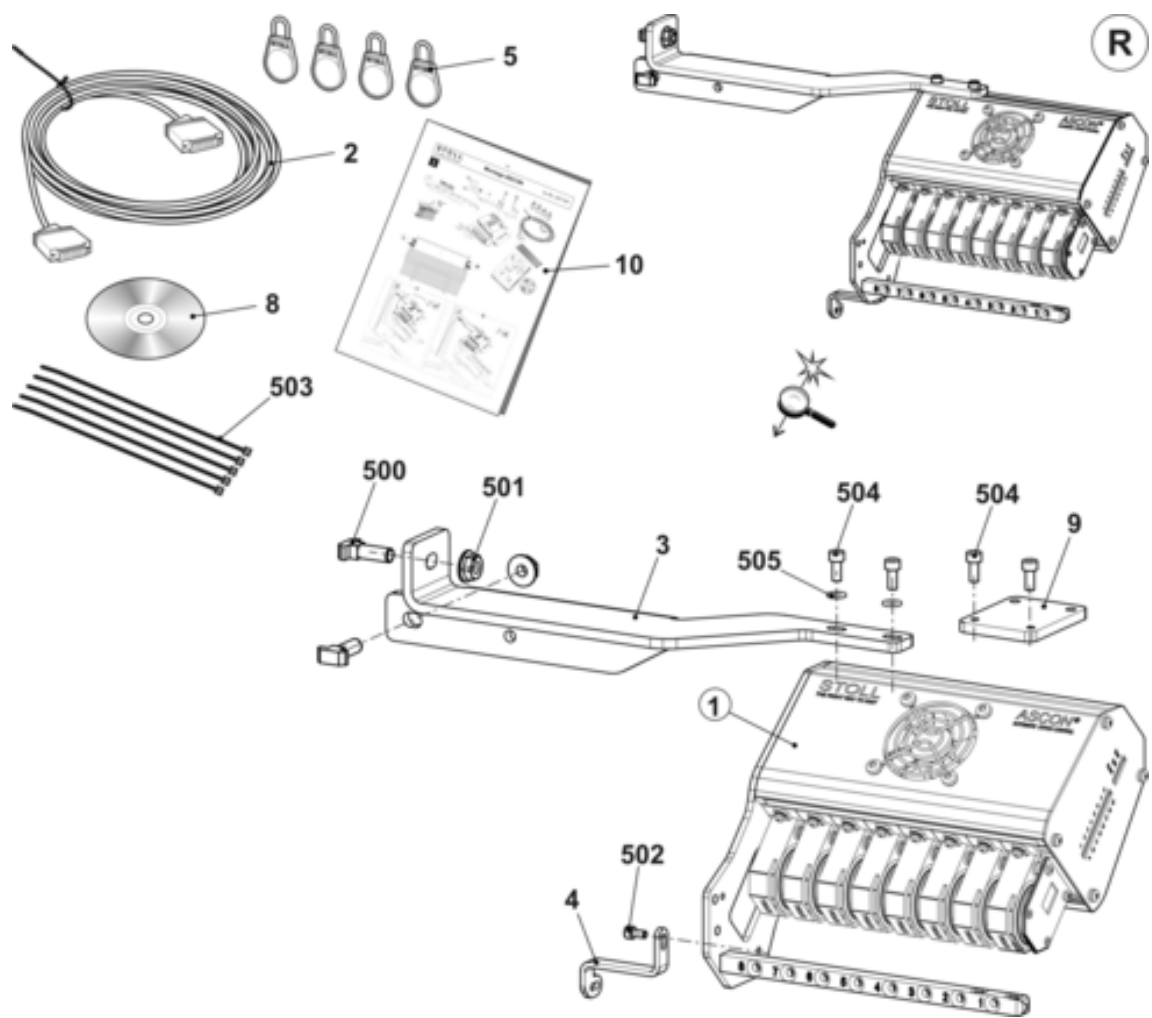
16.8.2 Friction feed wheel on the right

Pos	Designation		ID	Pos	Designation		ID
Σ	Friction feed wheel 16 fold on the right complete		244 186	10	Cover		251 098
1	Housing		240 368	11	Bush		221 391
2	Friction roller complete		243 860	12	V-ribbed belt pulley		221 268
3	Three-phase AC motor 3x42V complete		219 800	13	Ribbed V-belt		206 927
	3a	Three-phase AC motor	220 161	14	Rod		243 868
	3b	Microswitch	008 664	15	Cover		230 758
5	Yarn guide rod 16-fold complete		244 772	18	Deflector complete 16-fold		250 102
6	Yarn guide rod 16-fold complete		244 578	20	Grounding plate		256 622
	6a	Yarn guide rod 16-fold	244 577	21	Spring plate		256 702
	6b	Ceramic eyelet	240 640	500	Screw KB30x8		236 228
7	Stop motion rail on the right complete		243 863	501	Screw M20x10		244 736
	7a	Stop motion rail on the right	243 864	502	Cap screw M5x12		020 132
	570	Slide bearing GFM-101214-07	023 627	503	Cap screw M5x16		022 726
	571	Guide piece	259 453	504	Cap screw M5x25		023 523
8	Stop motion rail on the right complete		244 530	506	Washer 5,3x22x2,5		023 219
	8a	Stop motion rail on the right	244 531	507	Washer 5		020 901
	8b	Eyelet	230 662	508	Shim ring 15x21x1		023 216
	580	Slide bearing GFM-101214-07	023 627	510	Washer 5		023 542
	581	Guide piece	259 453	511	Pan-head screw M5x8		239 408
9	Bracket		251 113	514	Pan-head screw M4x8		023 579



16.9 Yarn length measuring device on the right complete

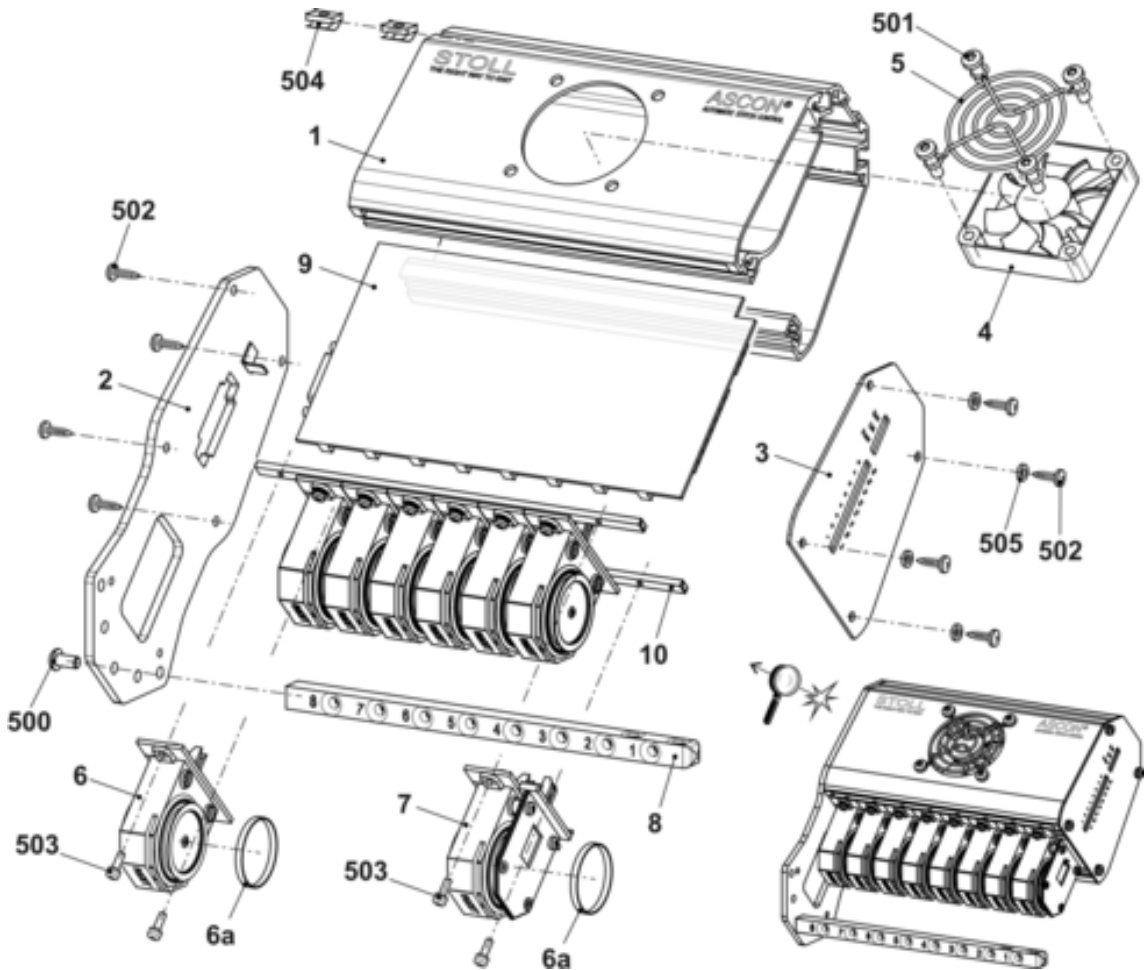
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 599				
1	Yarn length measuring device on the right complete	257 282		6	Operating instructions of ASCON assembly	259 381
2	Cable ASCON	257 239		500	T-head bolt M8x25	022 866
3	Support right	257 121		501	Serrated nut M8-10	023 026
4	Connecting lug on the right	257 136		502	Cap screwM4x8	022 501
5	Adjustment weight	212 241		503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391		504	Cap screwM5x12	020 132
9	Holding plate	258 386		505	Washer5	020 871



16.9 Yarn length measuring device on the right complete

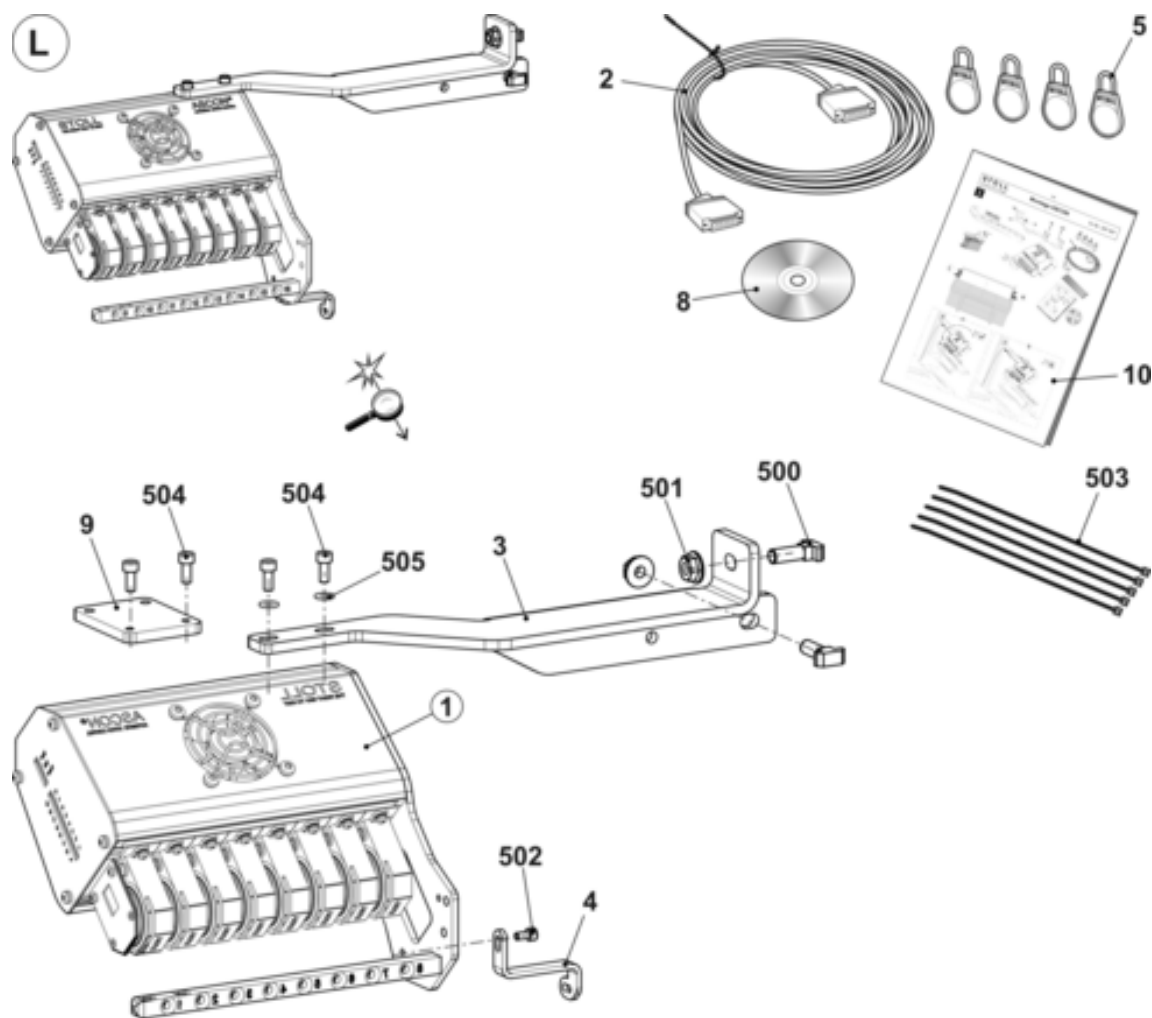
16.9.1 Yarn length measuring device on the right

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



16.10 Yarn length measuring device on the left complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	257 600				
1	Yarn length measuring device on the left complete	257 283		10	Operating instructions of ASCON assembly	259 381
2	Cable ASCON	257 239		500	T-head bolt M8x25	022 866
3	Support on the left	257 122		501	Serrated nut M8-10	023 026
4	Connecting lug on the left	257 137		502	Cap screw M4x8	022 501
5	Adjustment weight	212 241		503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391		504	Cap screw M5x12	020 132
9	Holding plate	258 386		505	Washer 5	020 871



16.10 Yarn length measuring device on the left complete

16.10.1 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

