

Spare-parts catalog

CMS 520C (Type 629)

Component type 004

E3 | E3,5 | E4 | E3m.3L | E3,5m.3L | E4m.3L

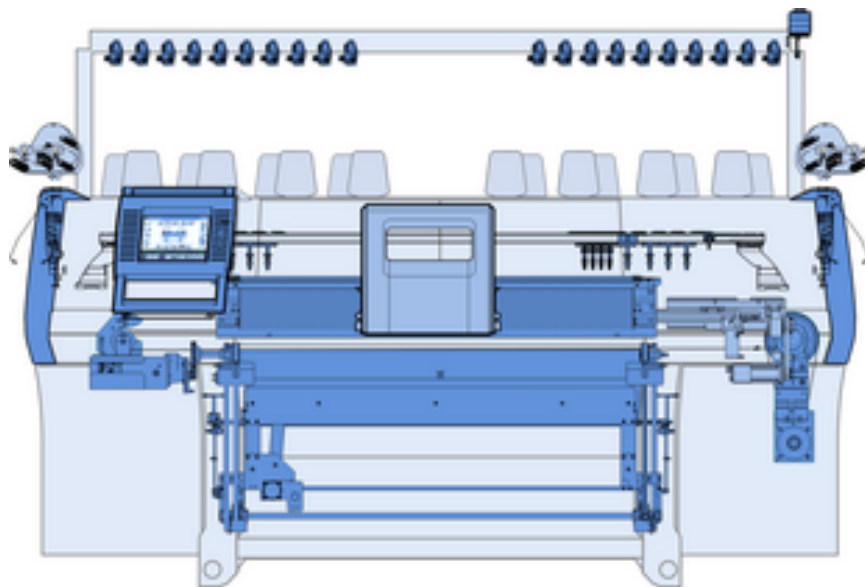


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1 Introduction

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.

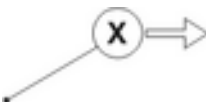
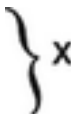
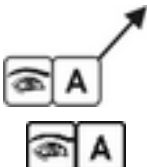
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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

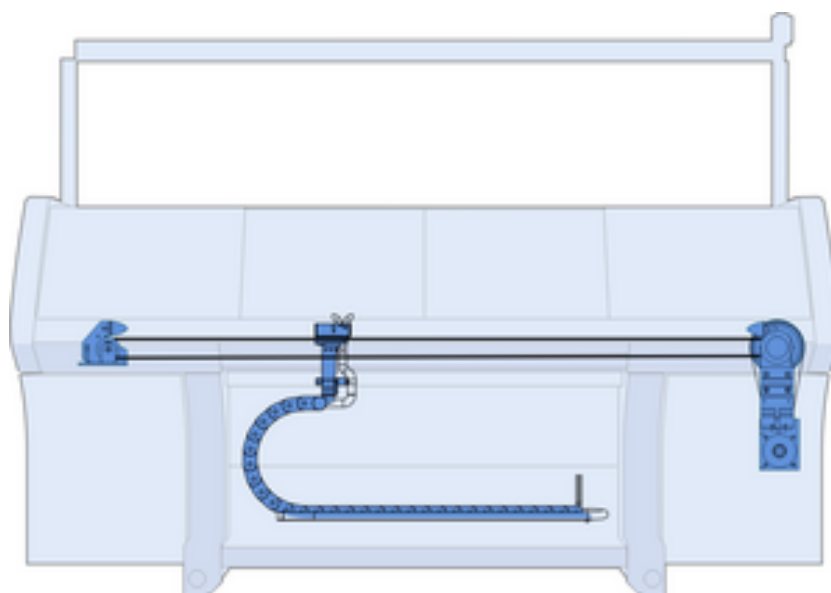
Drehmomente Torques Couples Coppias Momentos de rotación [Nm] ± 10 % (für $\mu_{ges} = 0,12$)		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clasas de resistencia		
		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filetto regolatore Filete regulador	M3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

Preferential row of screw torques

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

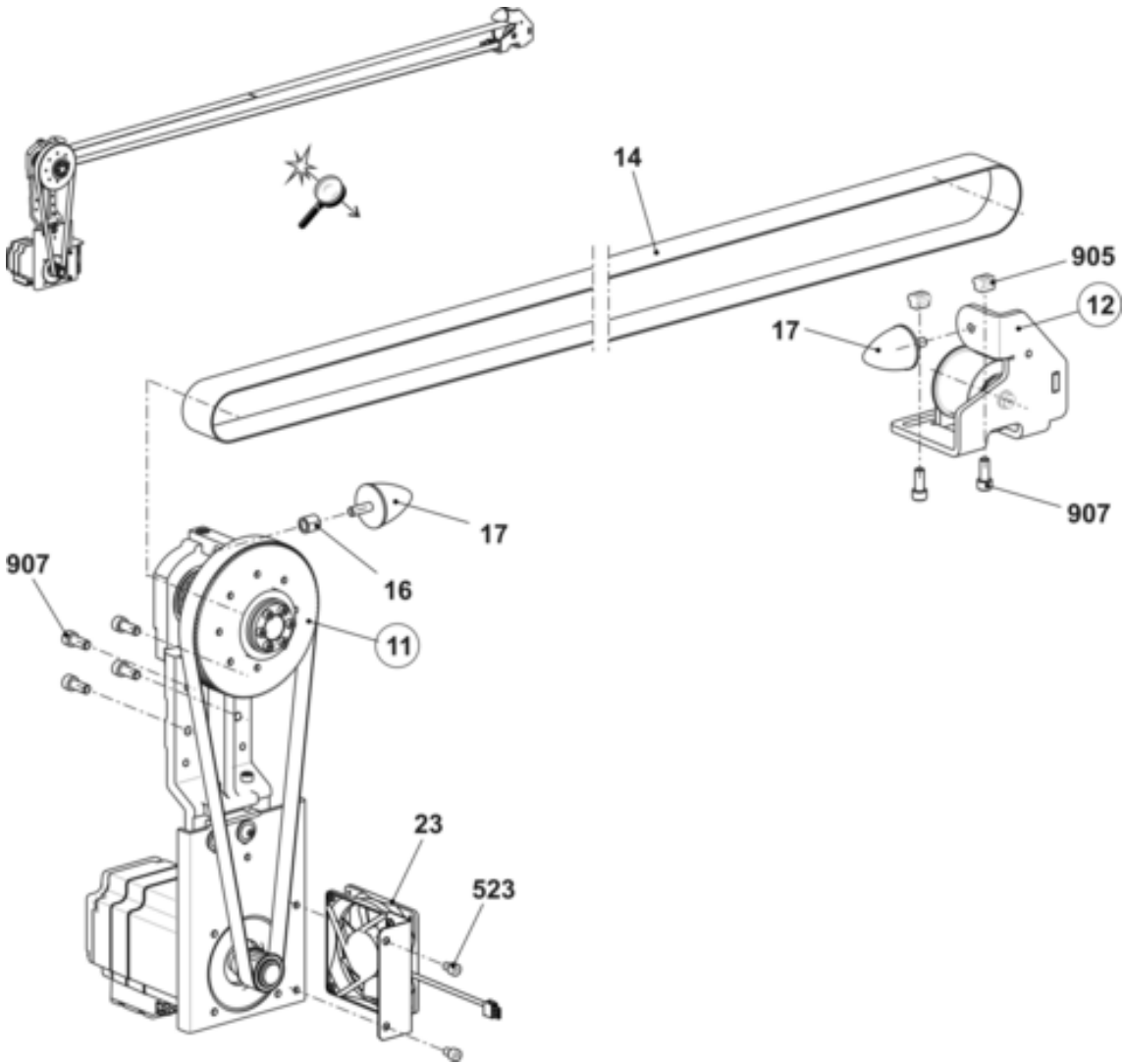
Notes:

2 Carriage drive



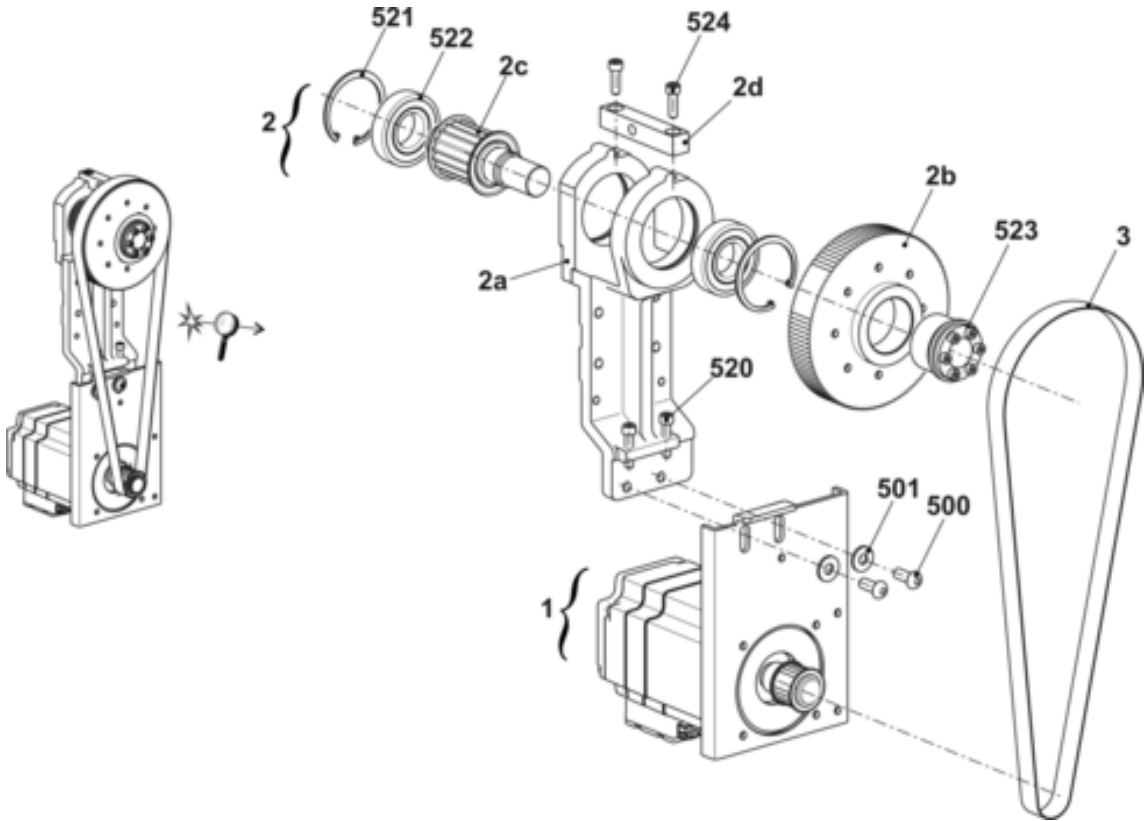
2.1 Drive

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

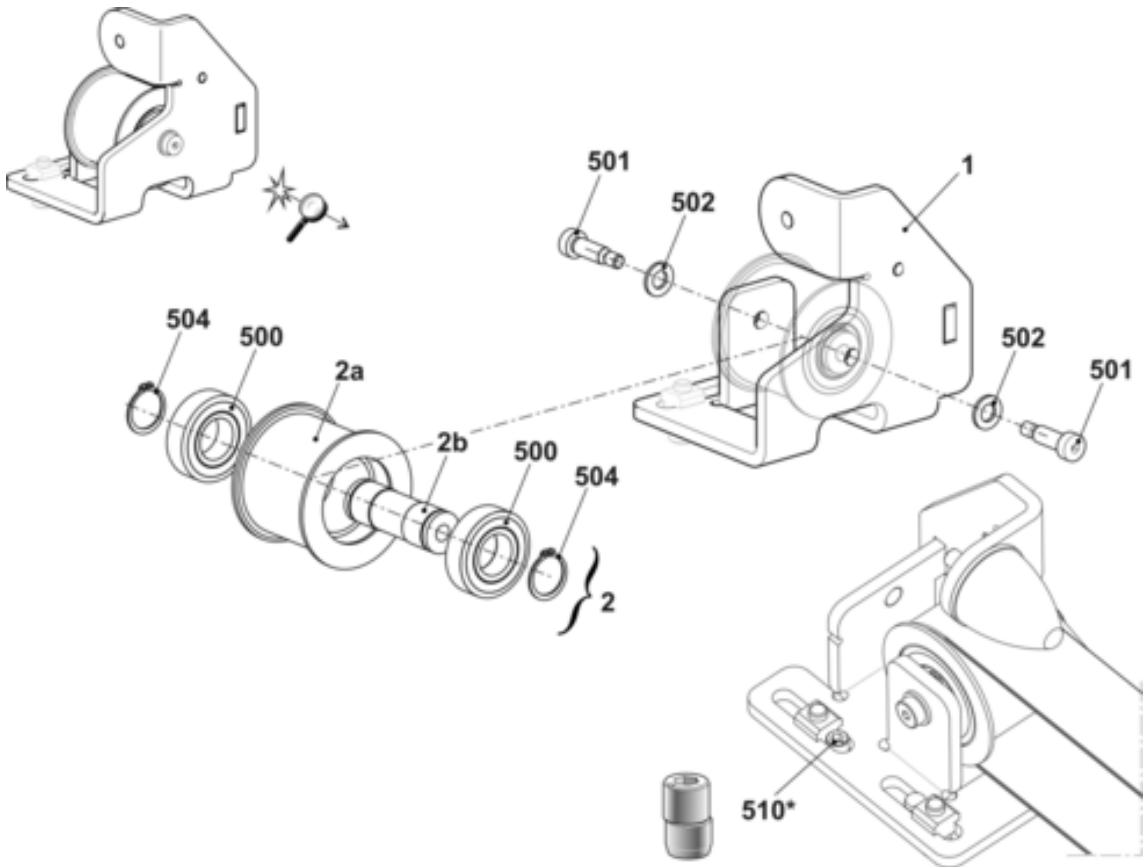
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive unit complete	253 877				
1	Drive unit	258 188				
2	Drive bearing complete	255 005				
	2a Drive bearing	252 634		521	Retaining ring68x2.5	022 914
	2b Toothed belt pulley	240 616		522	Grooved ball bearing 6207-2RS	022 915
	2c Pinion57 AT10 18	242 039		523	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

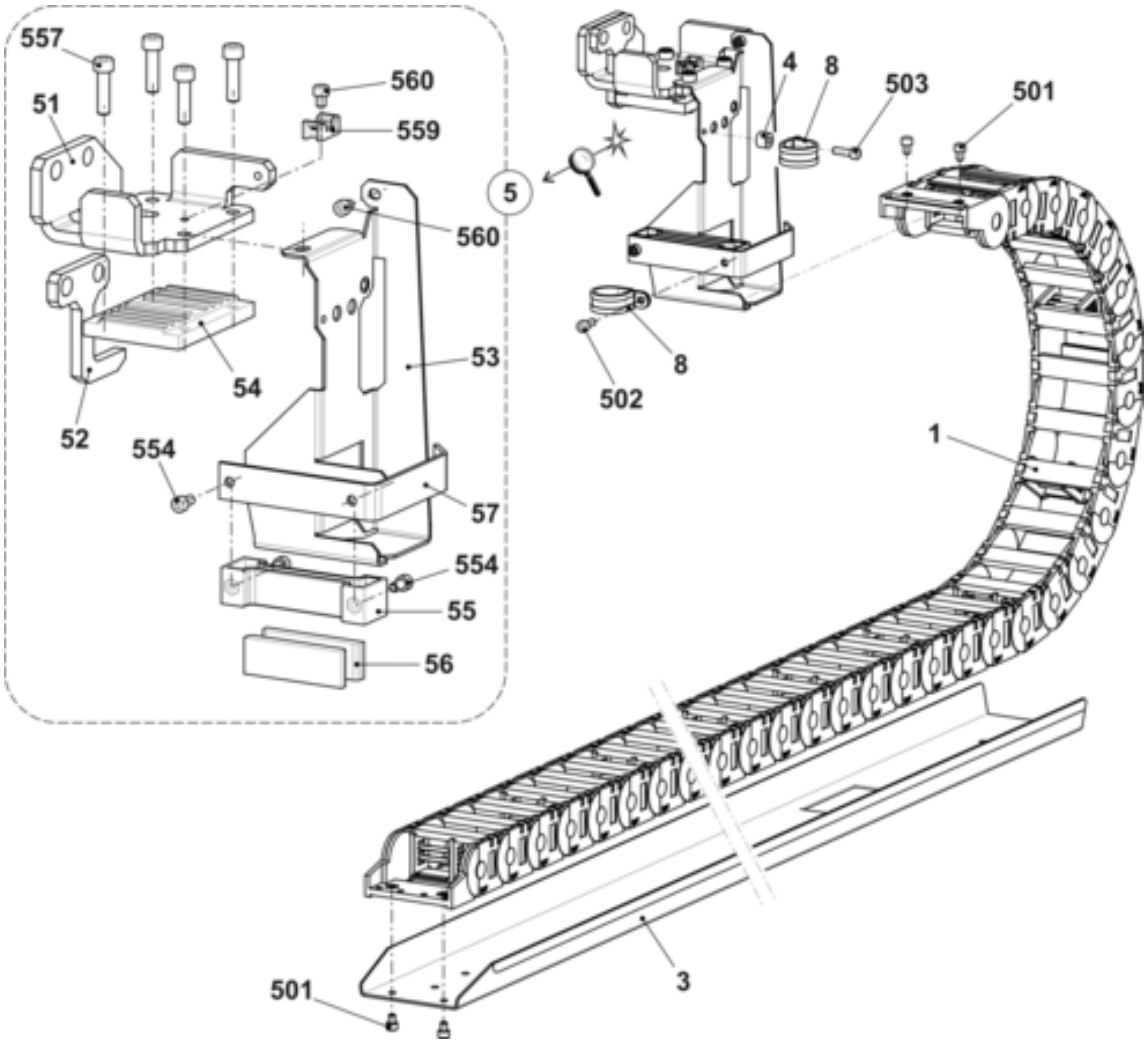
2.1.2 Tension bearing

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



2.2 Energy chain and plunger

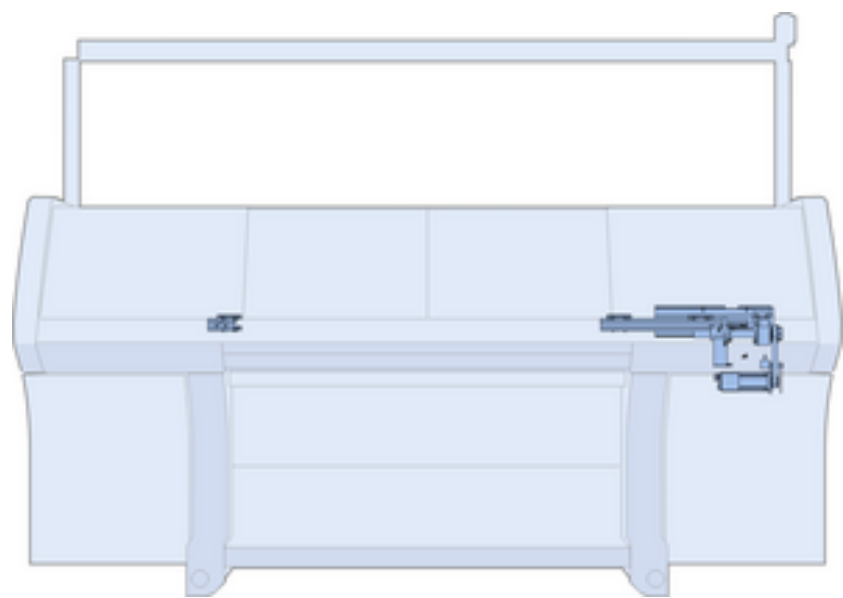
Pos	Designation	ID	Pos	Designation	ID
1	Energy chain 30 links	259 234	5	Continuation carriage driver complete	
3	Depositing gutter	263 983	53	Cable driver carriage driver	258 378
4	Threaded spacer	214 584	54	Clamping plate	252 592
8	Hose clip	214 653	55	Cable holder	204 688
501	Cap screw M6x8	023 411	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

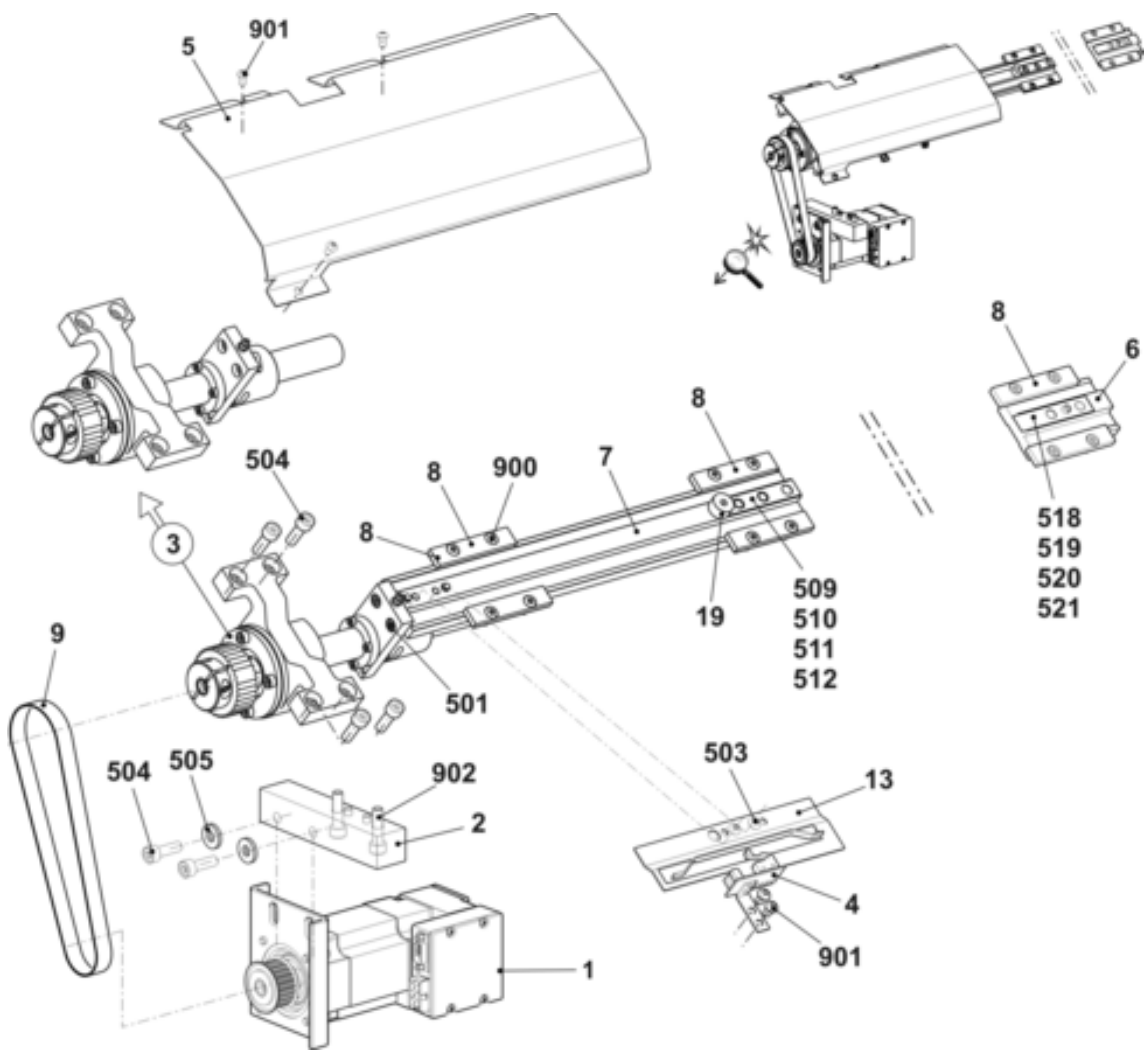
Notes:

3 Racking

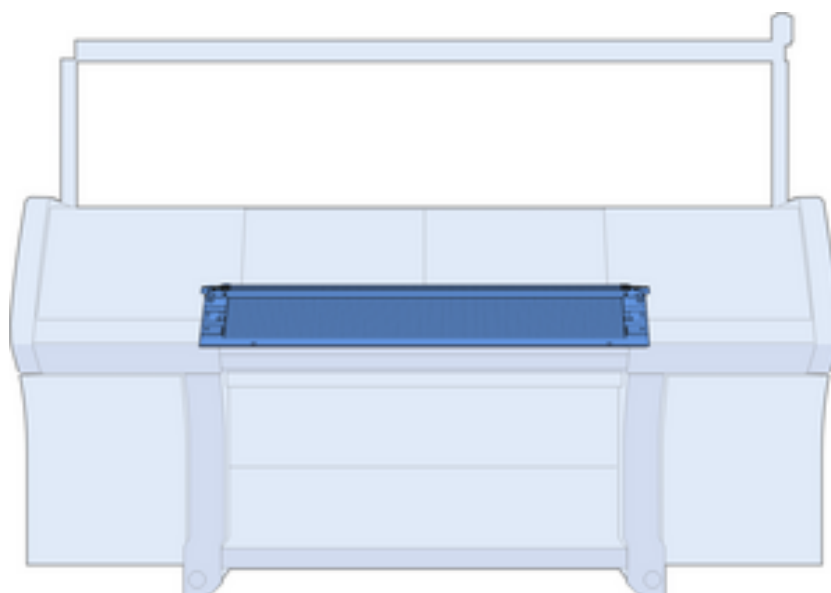


3.1 Racking

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



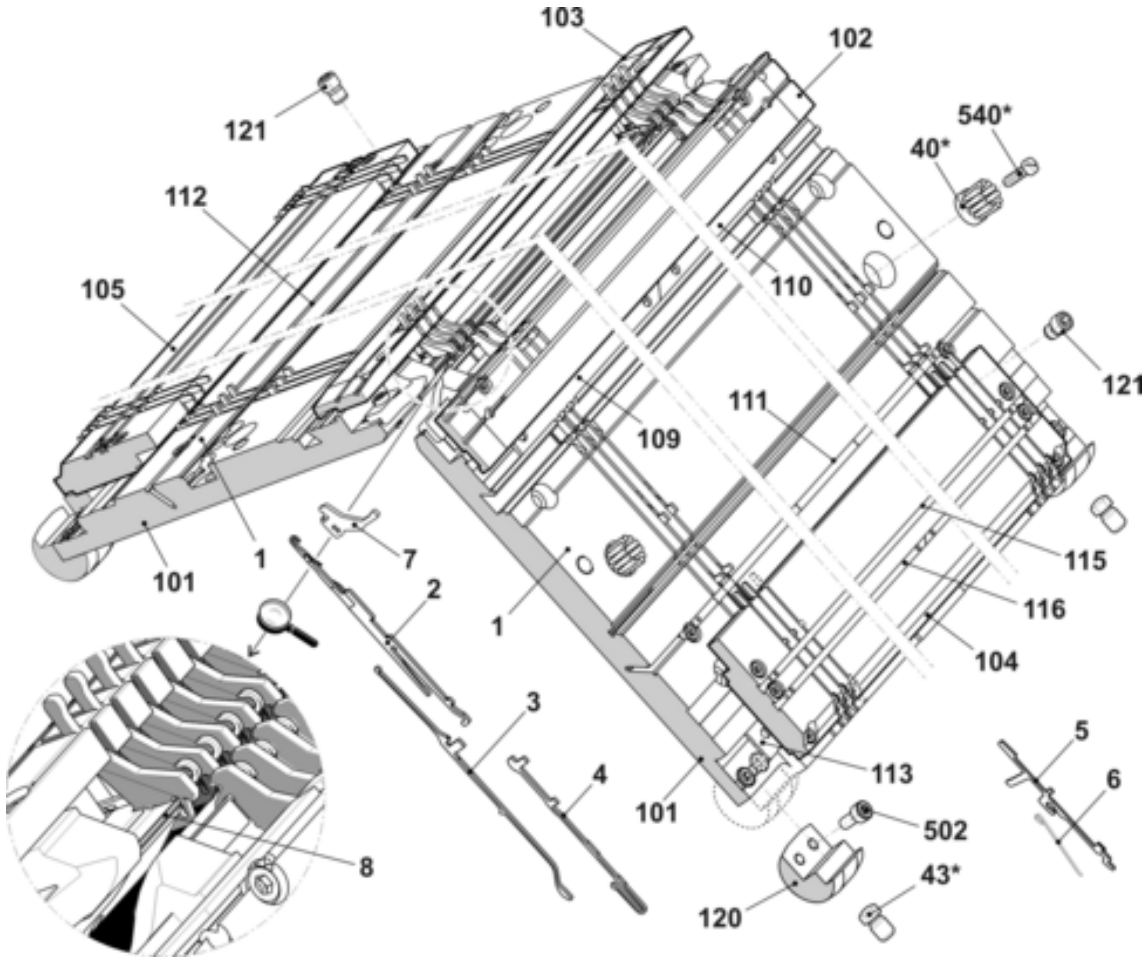
4 Needle beds



4.1 Needle bed E3

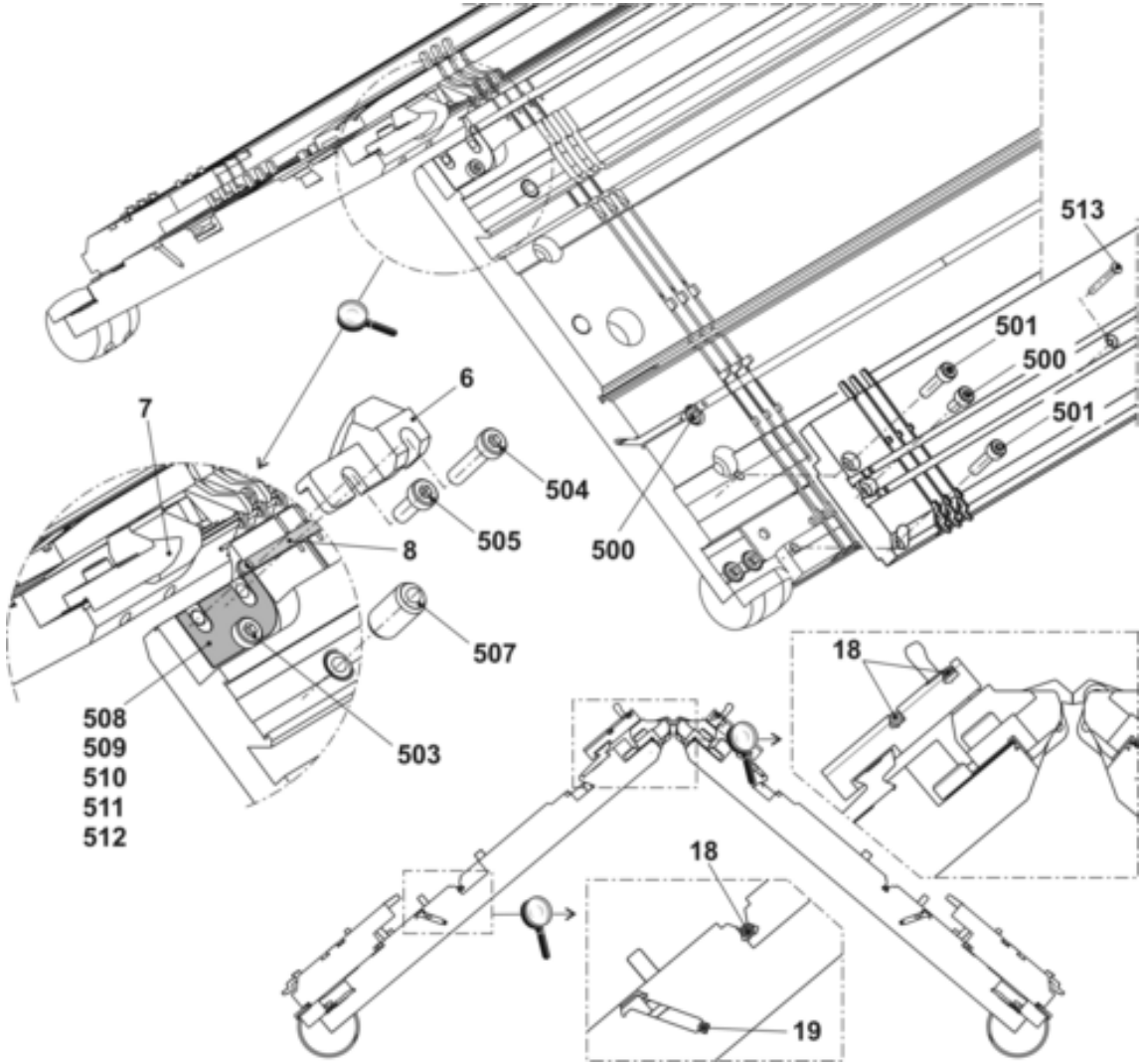
4.1 Needle bed E3

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 frontE3m.3L	261 869		502 Cap screw M6x14	022 658
	103 Holding-down jack bed rear E3m.3L	261 872	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 E3m.3L	261 111
	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

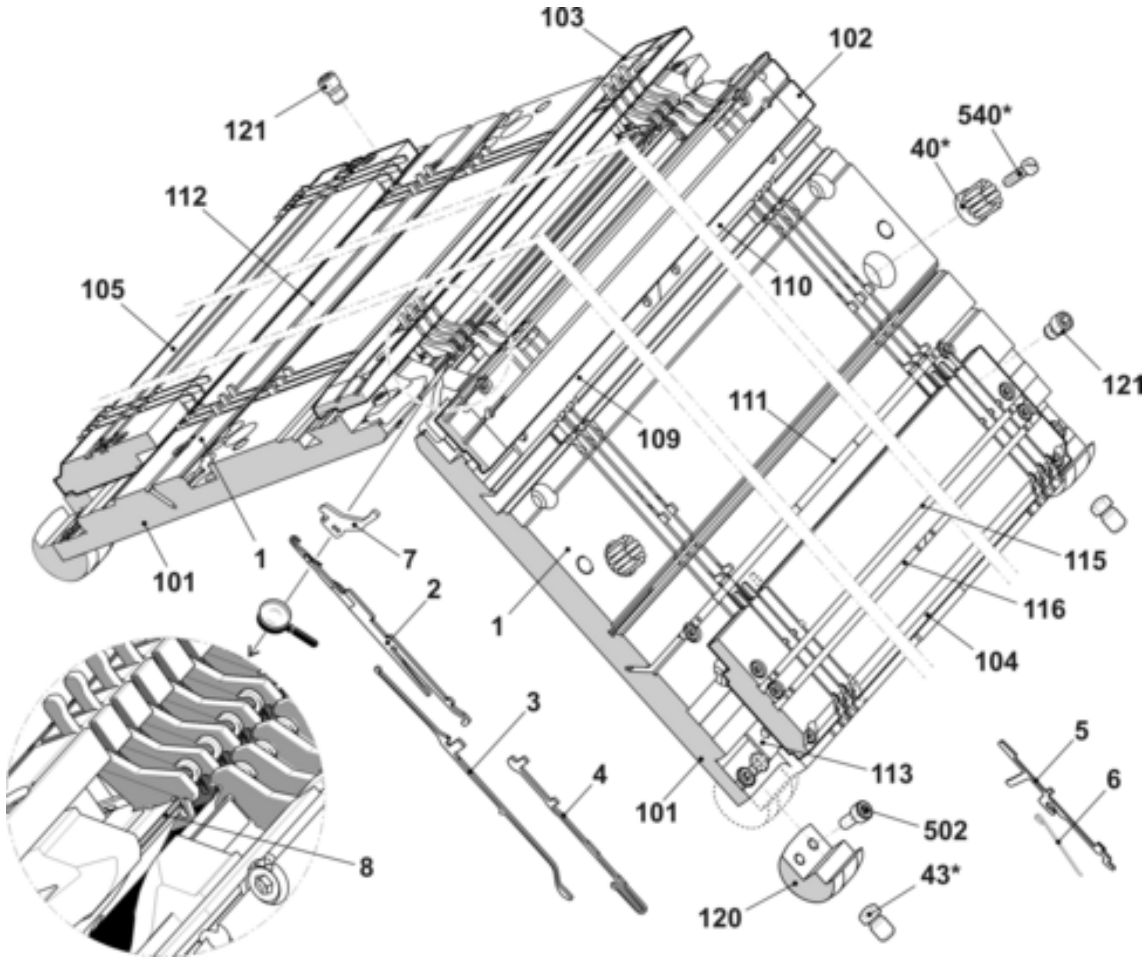
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed at the front and rear EPT E3	243 175		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343		504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344		505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712		507	Springy 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

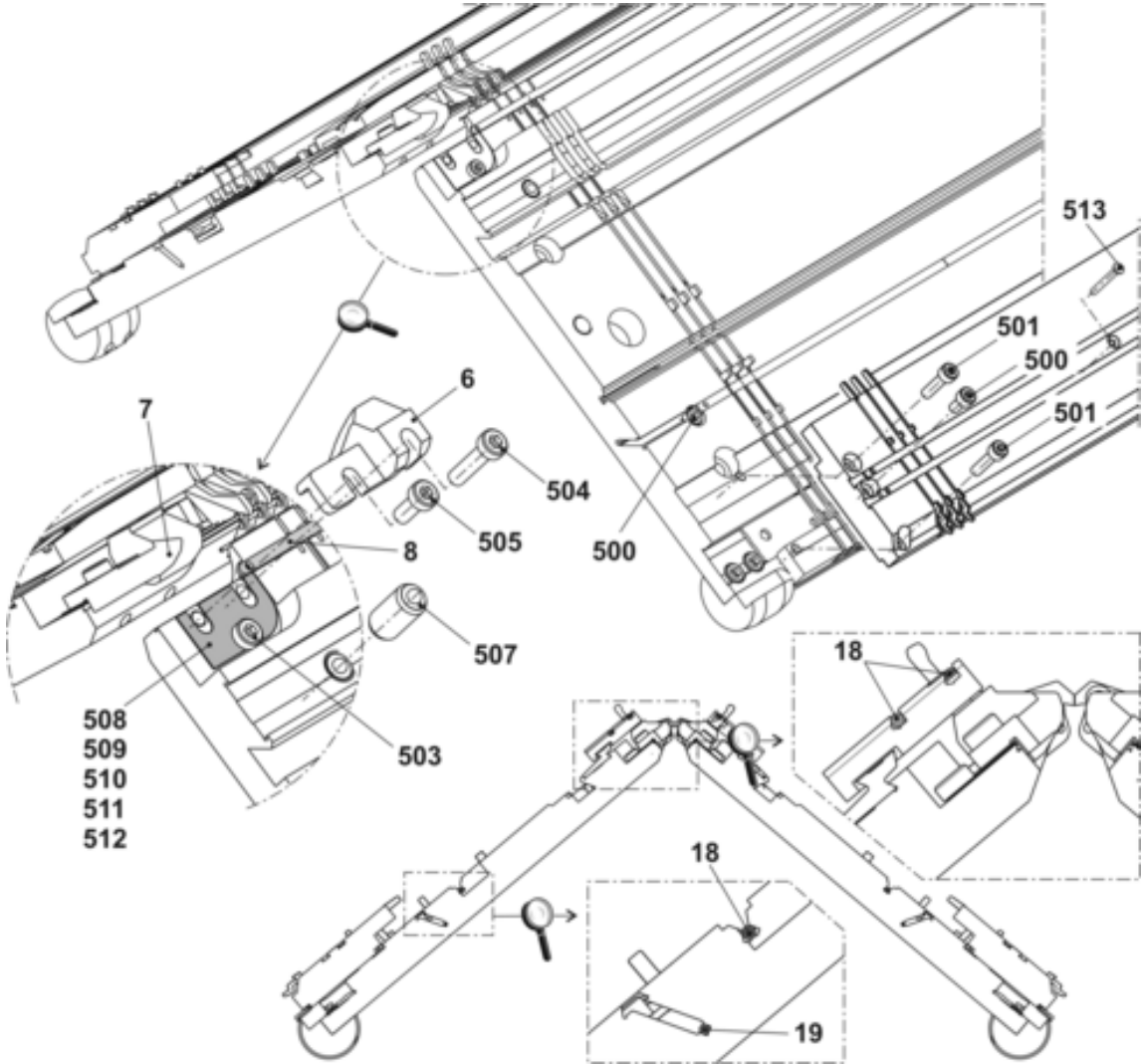
4.2 Needle bed E3,5

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 frontE3,5m.3L	261 870	502	Cap screw M6x14	022 658
103	Holding-down jack bed rear E3,5m.3L	261 873	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 E3,5m.3L	261 549
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

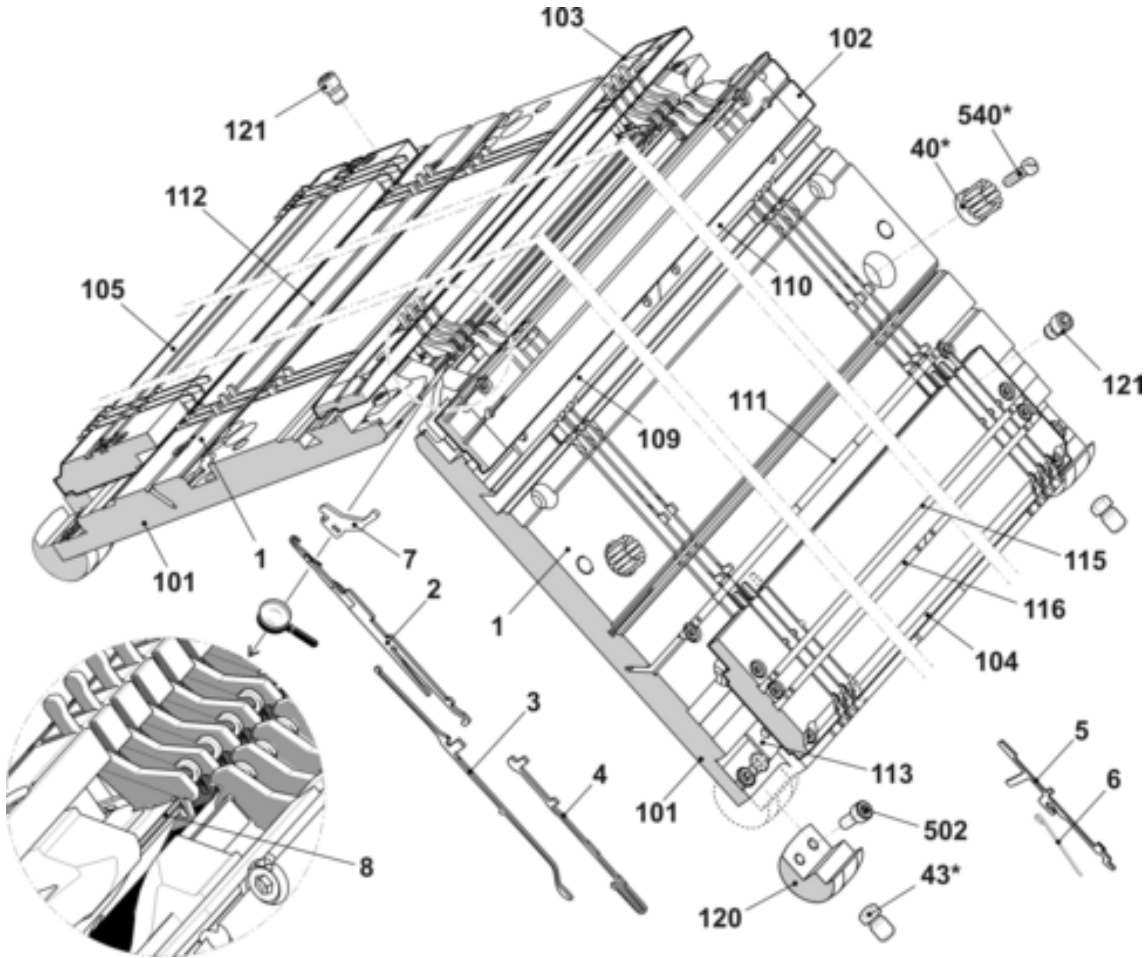
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed at the front + rearEPT E3,5	243 176		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343		504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344		505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712		507	Springy thrust 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

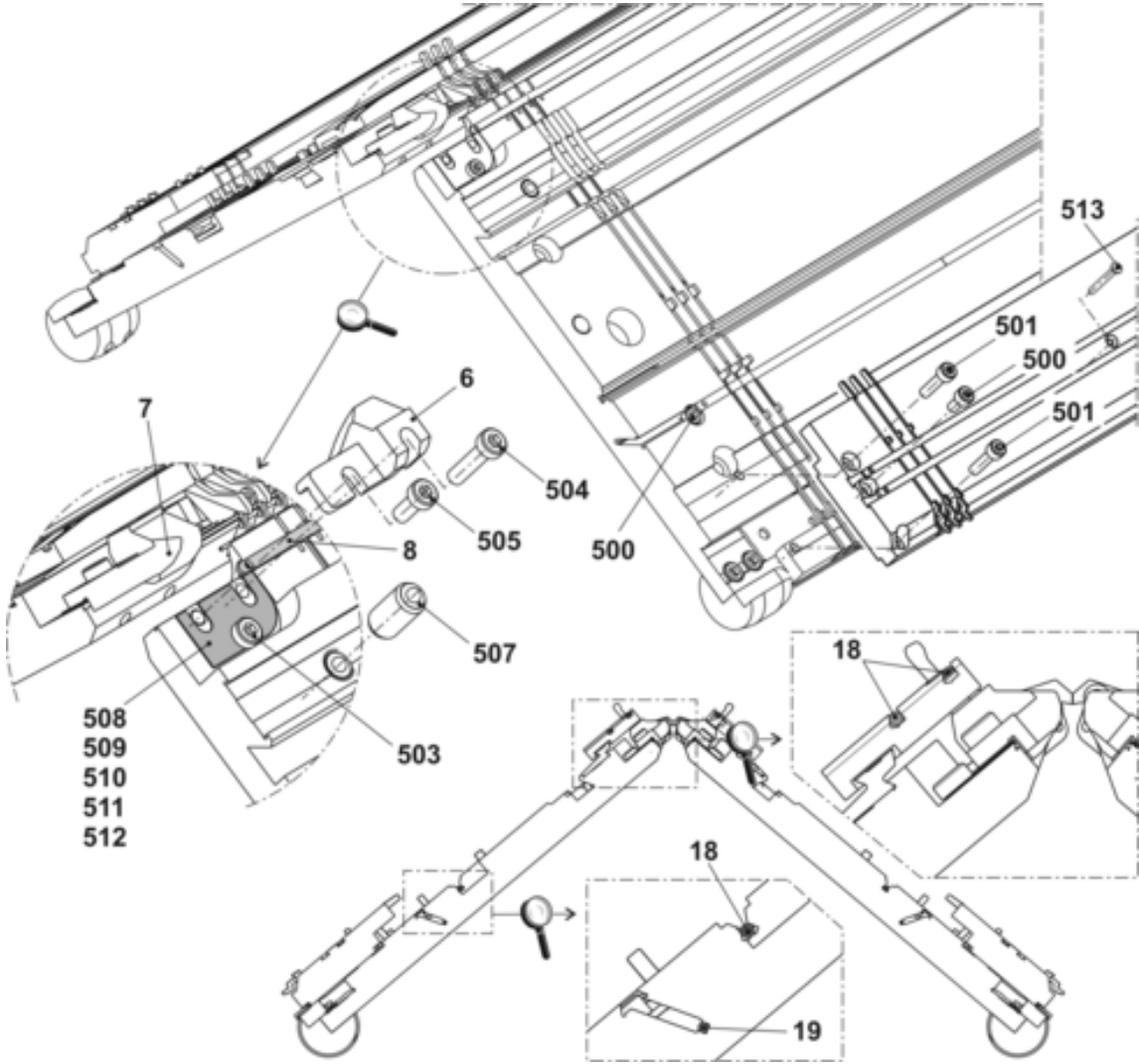
4.3 Needle bed E4

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 frontE4m.3L	261 871	502	Cap screw M6x14	022 658
103	Holding-down jack bed rear E4m.3L	261 874	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 E4m.3L	261 550
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

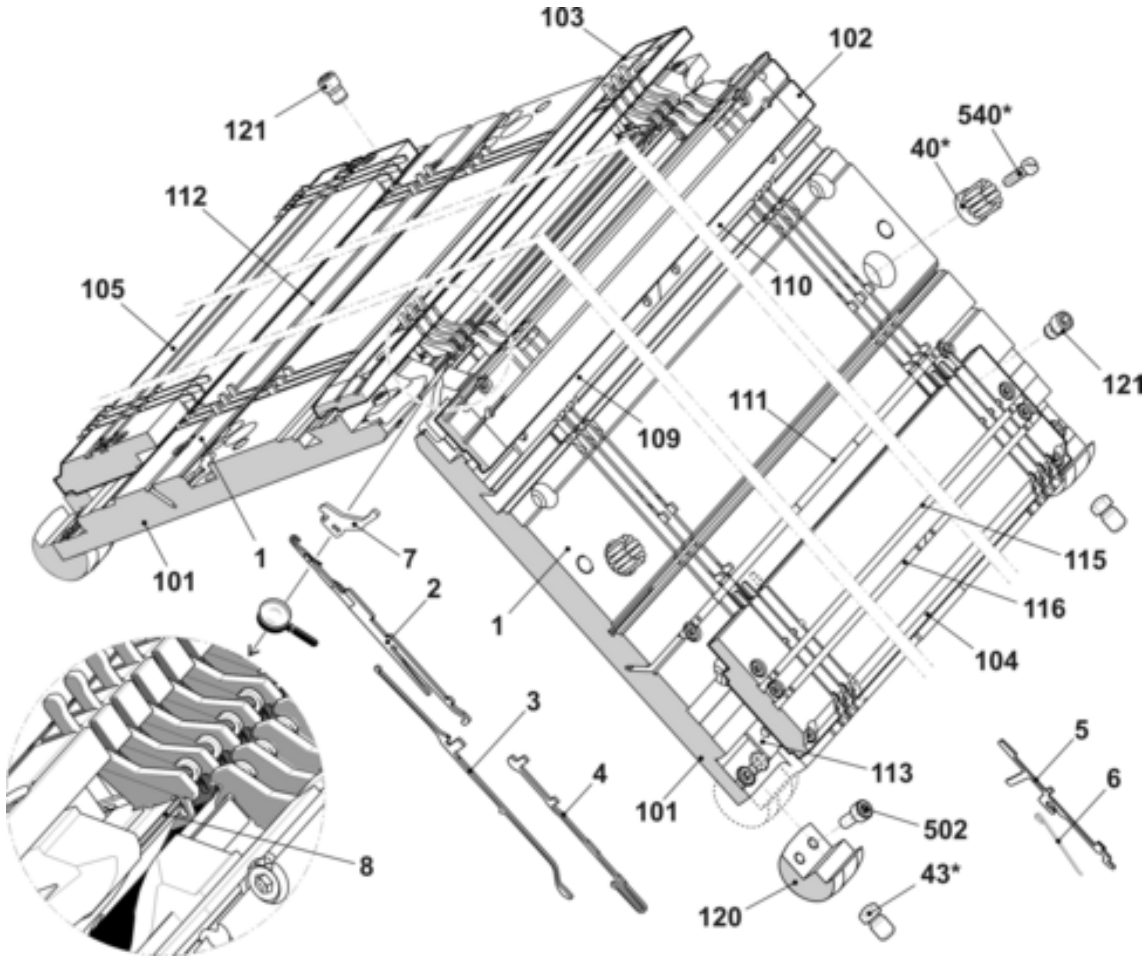
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed at the front + rearEPT E4	243 177		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343		504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344		505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712		507	Springy thrust 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 bed E3m.3L

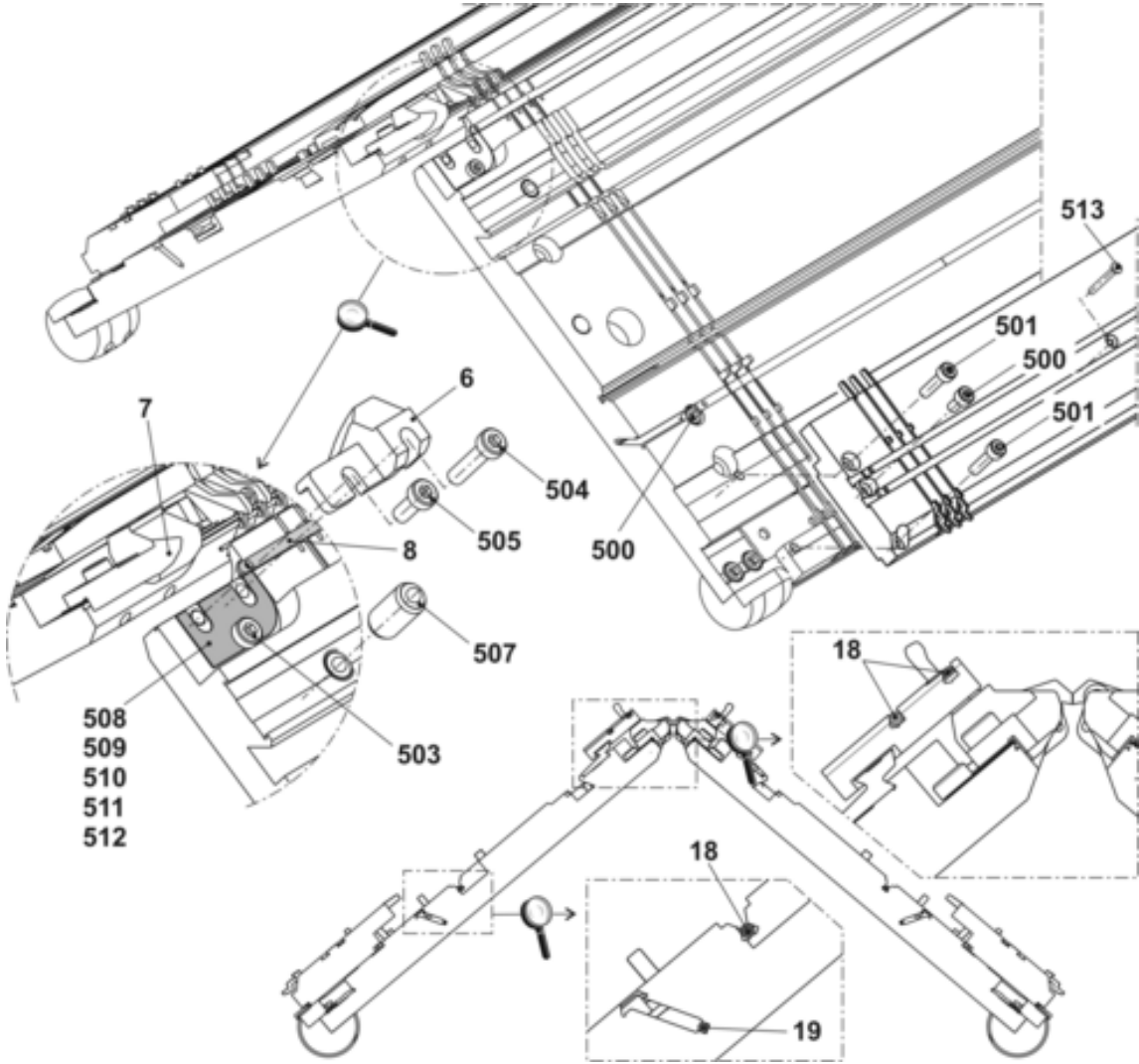
4.4 Needle bed E3m.3L

Pos	Designation		ID		Pos	Designation		ID	
Σ	Needle bed complete at the front and rearE3m.3L		262 126						
1	Needle bed at the front and rear EPTE3		262 127		1	120	Support		241 339
	101	Needle bed at the front + rearE3	243 144			121	Eccentric		204 603
	102	Holding-down jack bed frontE3m.3L	261 869			502	Cap screw M6x14		022 658
	103	Holding-down jack bed rear E3m.3L	261 872		2	Needle E3-4m.3L		259 856	
	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 E3m.3L		261 111	
	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	



4.4.1 Continuation needle bed E3m.3L

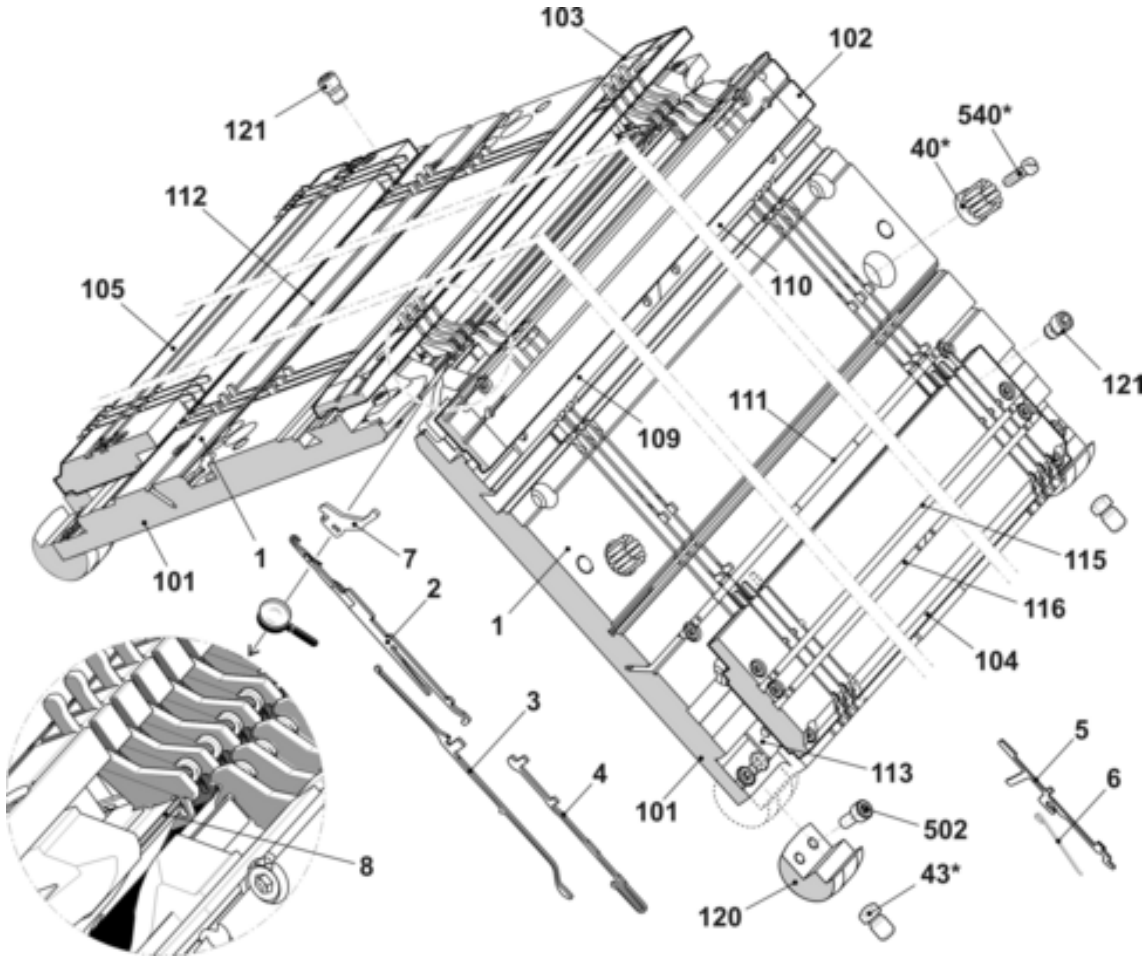
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed at the front + rearEPT E3m.3L	262 127		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343		504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344		505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712		507	Springy 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



4.5 Needle bed E3,5m.3L

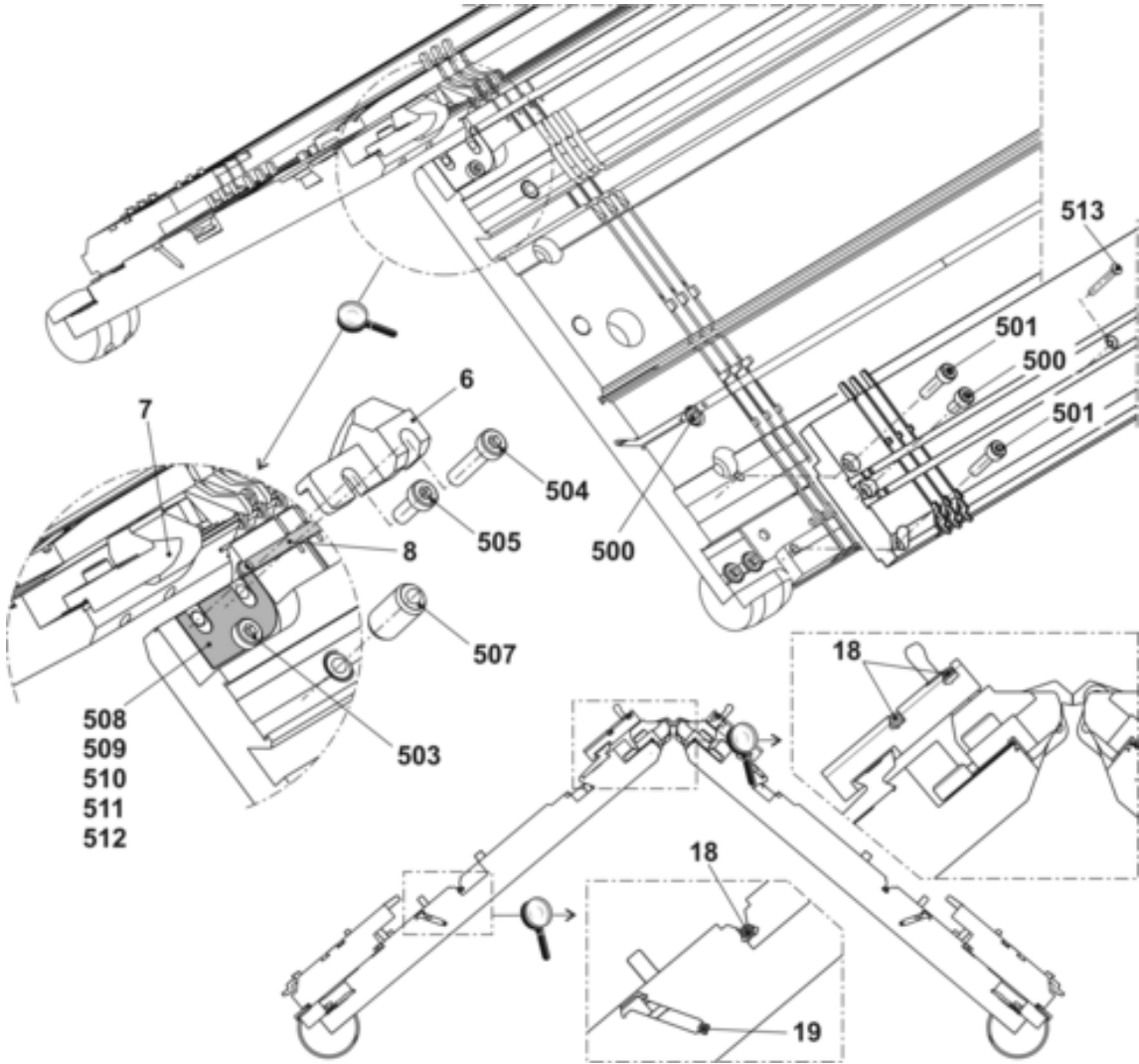
4.5 Needle bed E3,5m.3L

Pos	Designation		ID		Pos	Designation		ID	
Σ	Needle bed complete at the front and rearE3,5m.3L		262 128						
1	Needle bed at the front and rear EPTE3,5m.3L		262 129		1	120	Support		241 339
	101	Needle bed at the front + rearE3,5	243 145			121	Eccentric		204 603
	102	Holding-down jack bed frontE3,5m.3L	261 870			502	Cap screw M6x14		022 658
	103	Holding-down jack bed rear E3,5m.3L	261 873		2	Needle E3-4m.L		259 856	
	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 E3,5m.3L		261 549	
	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		



4.5.1 Continuation needle bed E3,5m.3L

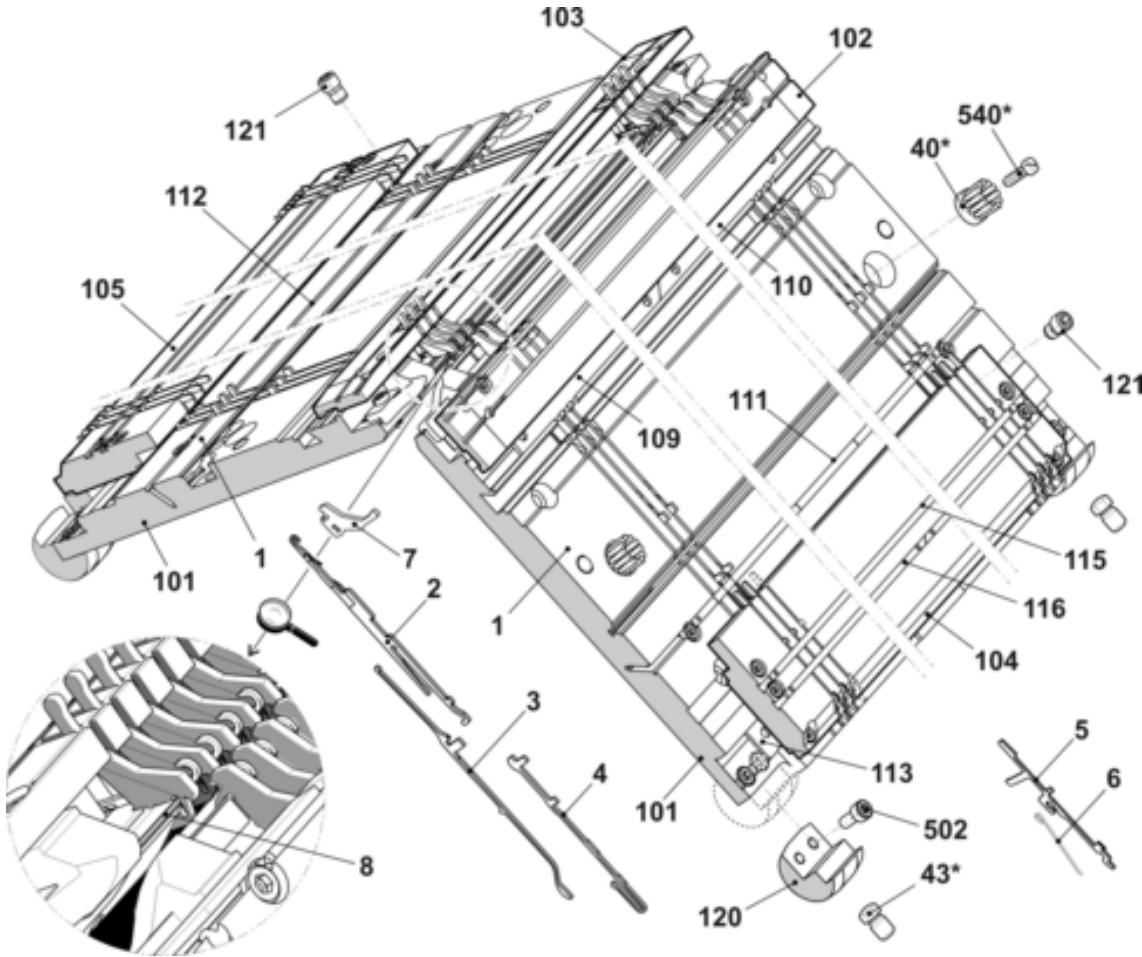
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed at the front + rearEPT E3,5m.3L	262 129		503	Cap screw M5x8-8.8	023 154
6	Limiter on the left E4-8	205 343		504	Cap screw M5x22	023 193
7	Limiter on the right E4-8	205 344		505	Cap screw M5x12-8.8	022 943
8	Holding-down jack slide	213 712		507	Springy 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



4.6 Needle bed E4m.3L

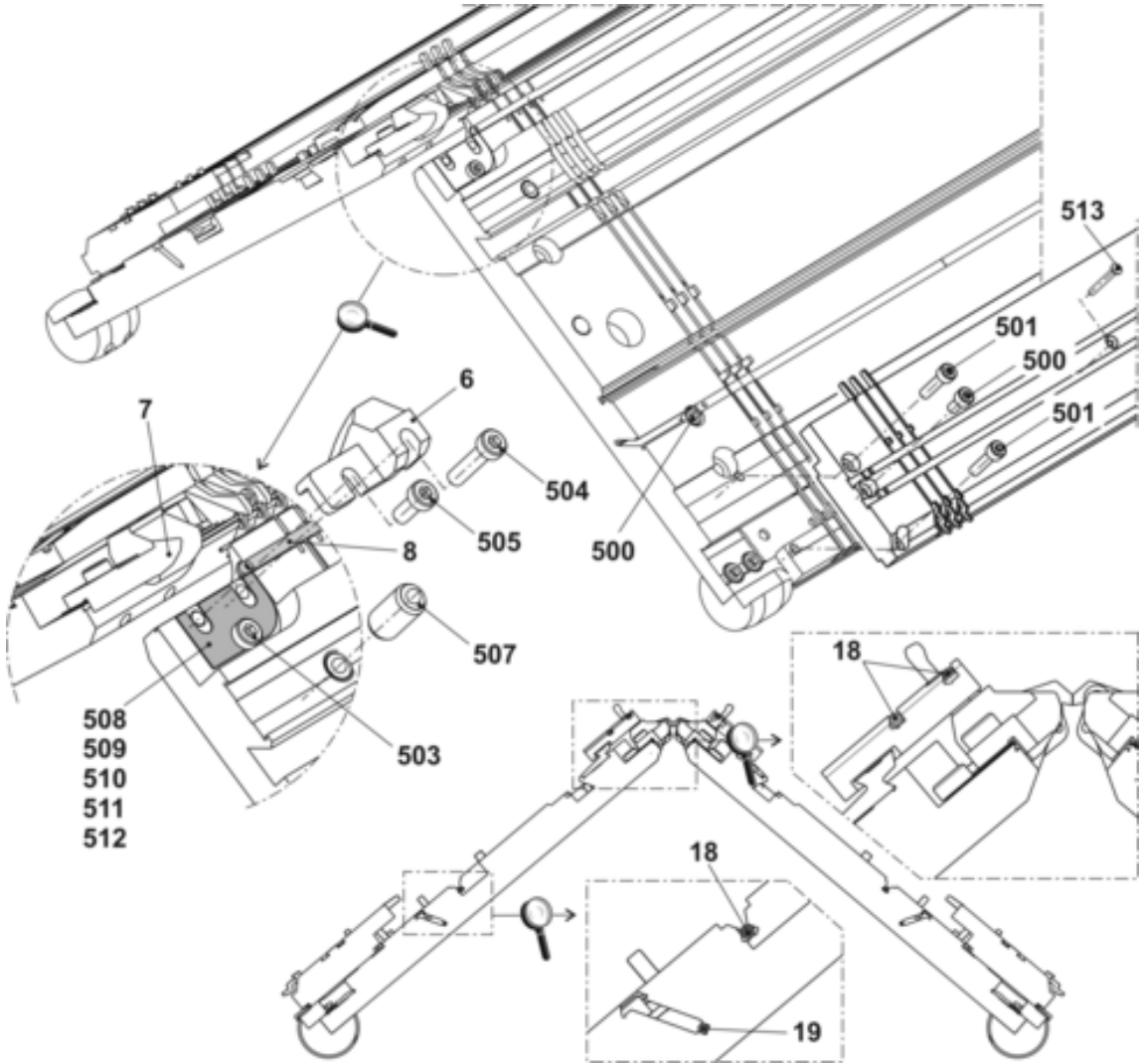
4.6 Needle bed E4m.3L

Pos	Designation		ID		Pos	Designation		ID		
Σ	Needle bed complete at the front and rearE4m.3L		262 130							
1	Needle bed at the front and rear EPTE4m.3L		262 131		1	120	Support		241 339	
	101	Needle bed at the front + rearE4				243 146	121	Eccentric		204 603
	102	Holding-down jack bed frontE4m.3L				261 871	502	Cap screw M6x14		022 658
	103	Holding-down jack bed rear E4m.3L			261 874	2	Needle E3-4m.3L		259 856	
	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 E4m.3L		261 550	
	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	



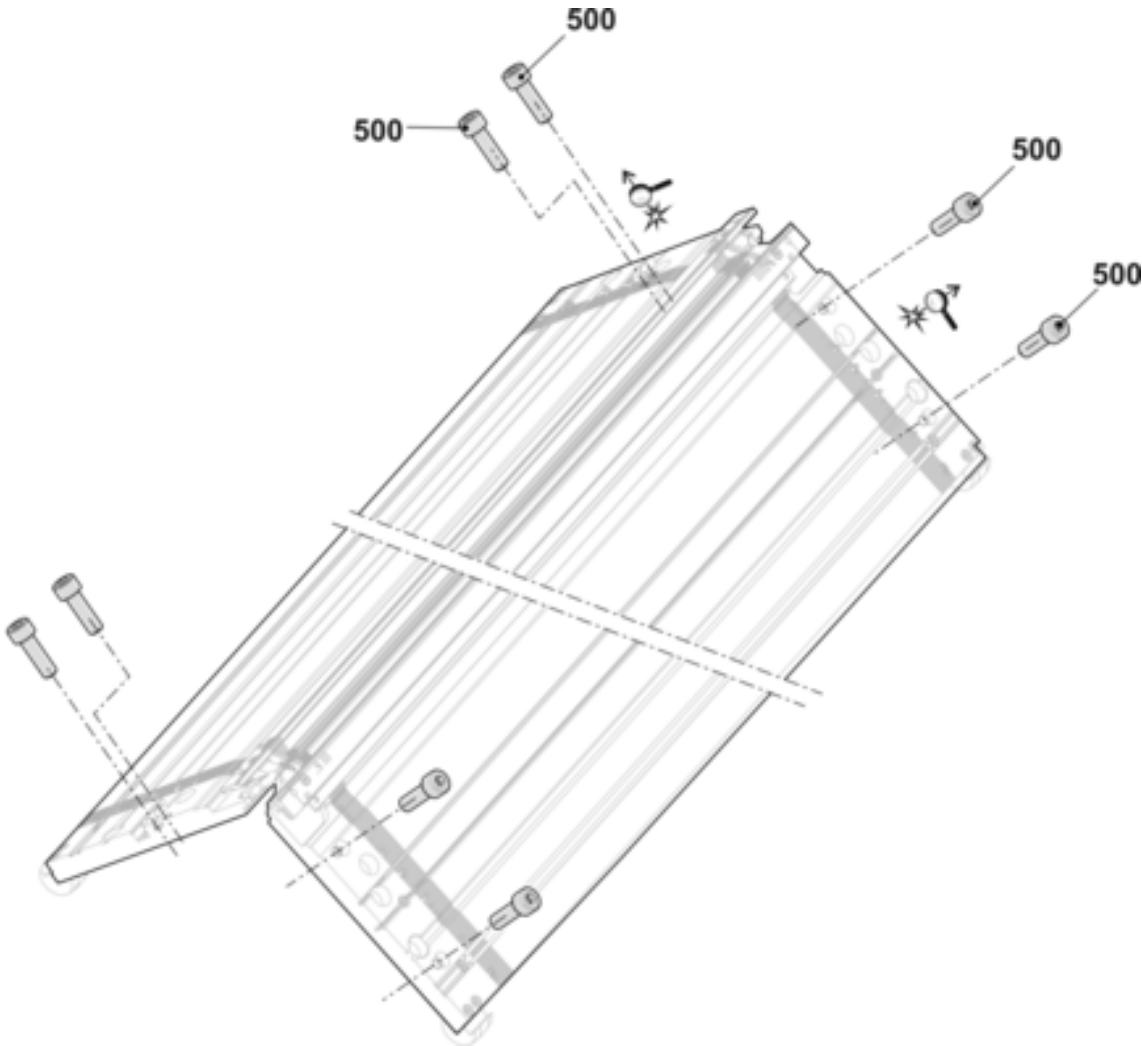
4.6.1 Continuation needle bed E4m.3L

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed at the front and rear EPT E4m.3L	262 131		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



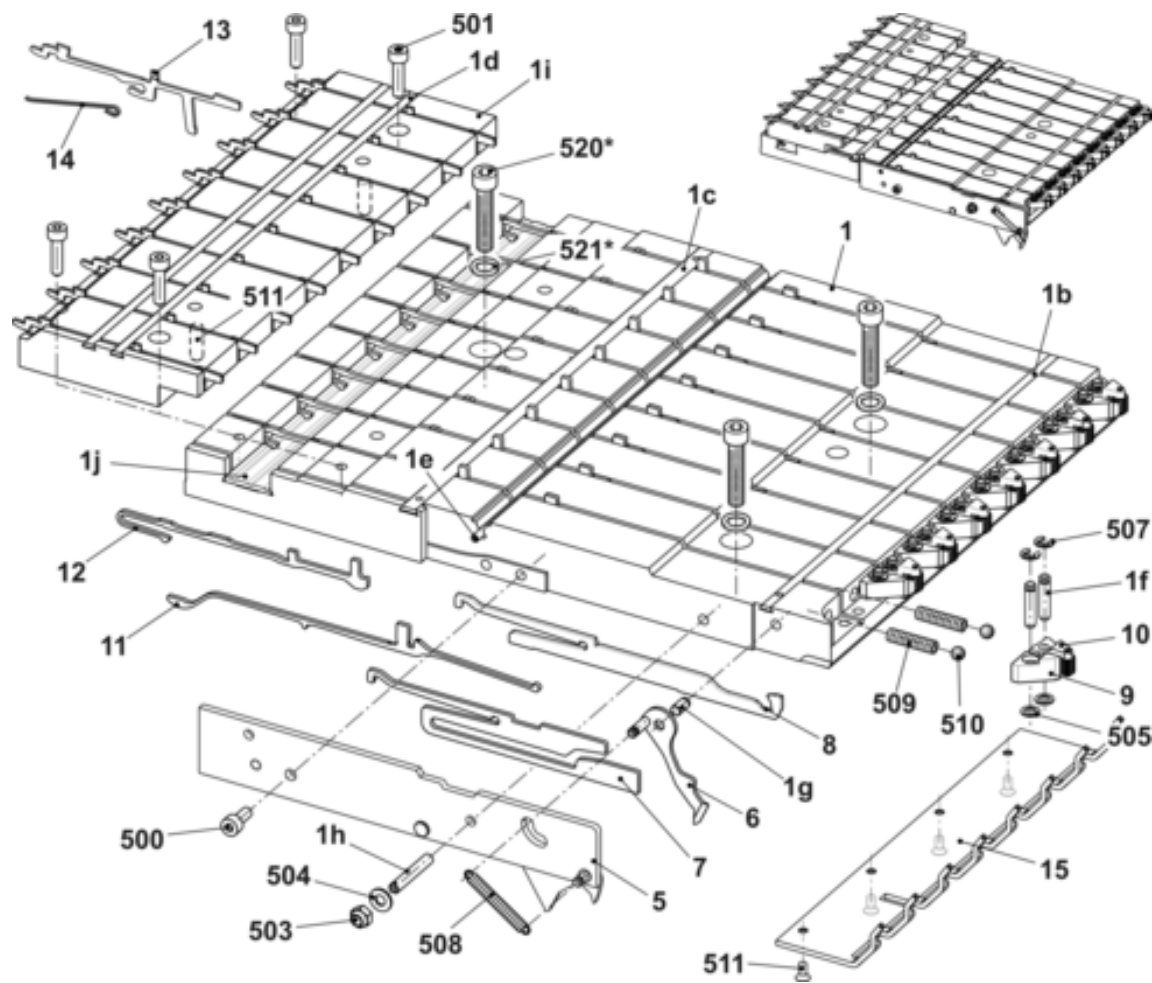
4.7 Needle beds, fixing elements

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



4.8 Left clamping/cutting bed

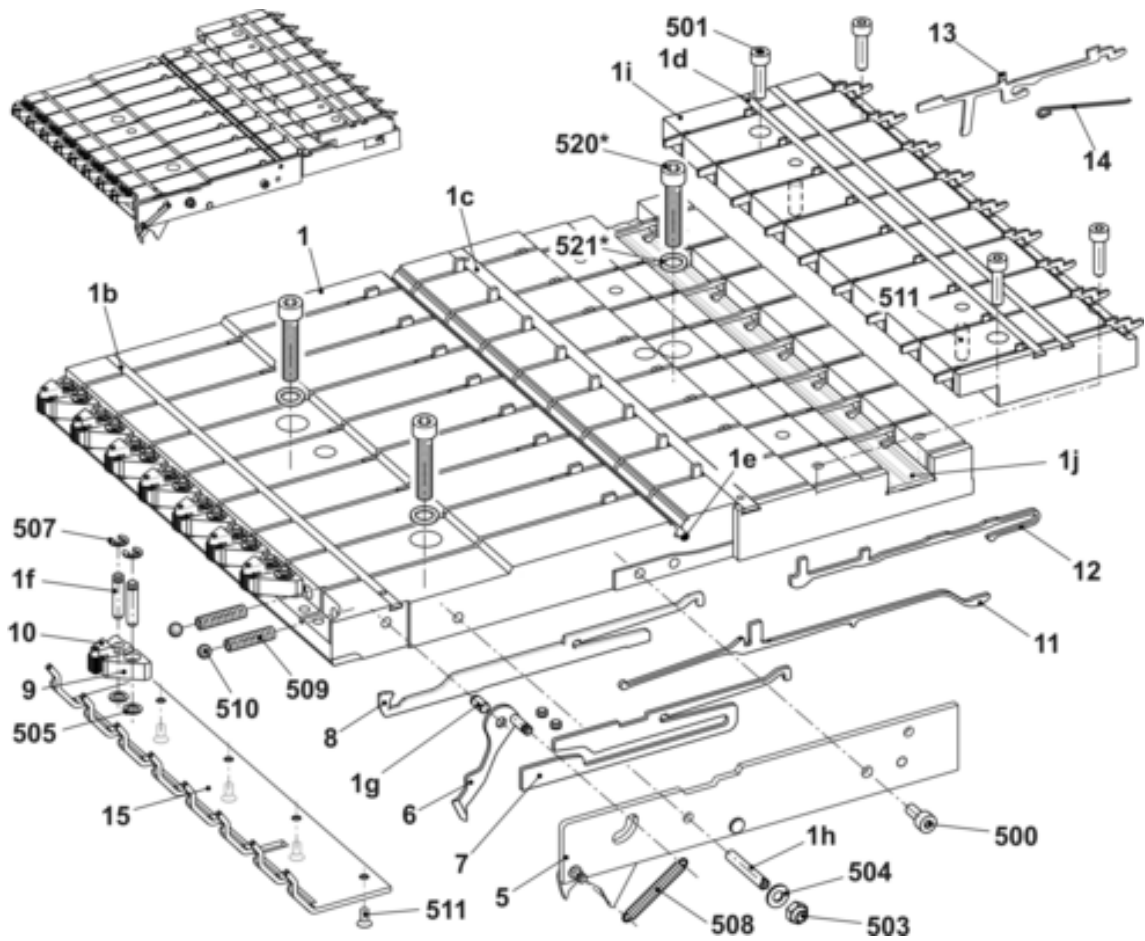
Pos	Designation	ID	Pos	Designation	ID
Σ	Left clamping and cutting bed E3-4m.3L	261 806			
1	Guide plate on the left EPT E3-4m.3L	261 805	11	Coupling part E3-4	213 348
1b	Cover rail	211 358	12	Intermediate slider E3-4	218 799
1c	Cover rail	216 105	13	Selection jack E3-4	213 372
1d	Cover rail	209 224	14	Selector spring E4-8	200 690
1e	Locating wire	215 927	15	Deflector plate on the left	262 359
1f	BoltsE3-4m.3L	261 786	500	Cap screw M4x10	023 136
1g	Axle	257 201	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 0,9x3,6x24,36	023 331
7	Slider	215 827	510	Ball 5	023 309
8	Catch needle on the left E3-4m.3L	261 544	511	Countersunk screw M3x6	020 286
9	Blade on the leftE3-4m.3L	262 350	520*	Cap screw M6x25	023 335
10	Clamp on the left completeE3-4m.3L	262 293	521*	Washer7,6x11,6x1,5	023 334



4.9 Clamping/cutting bed on the right

4.9 Clamping/cutting bed on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Clamping and cutting bed on the right E3-4m.3L	261 785			
1	Guide plate with EPT on the right E3-4m.3L	261 784	11	Coupling part E3-4	213 348
1b	Cover rail	211 358	12	Intermediate slider E3-4	218 799
1c	Cover rail	216 105	13	Selection jack E3-4	213 372
1d	Cover rail	209 224	14	Selector spring E4-8	200 690
1e	Locating wire	215 927	15	Deflector plate on the right	262 360
1f	BoltsE3-4m.3L	261 786	500	Cap screw M4x10	023 136
1g	Axle	257 201	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 0,9x3,6x24,36261 786	023 331
7	Slider	215 827	510	Ball 5	023 309
8	Catch needle on the right E3-4m.3L	261 545	511	Countersunk screw M3x6	020 286
9	Blade on the rightE3-4m.3L	262 351	520*	Cap screw M6x25	023 335
10	Clamp on the right completeE3-4m.3L	262 294	521*	Washer7,6x11,6x1,5	023 334



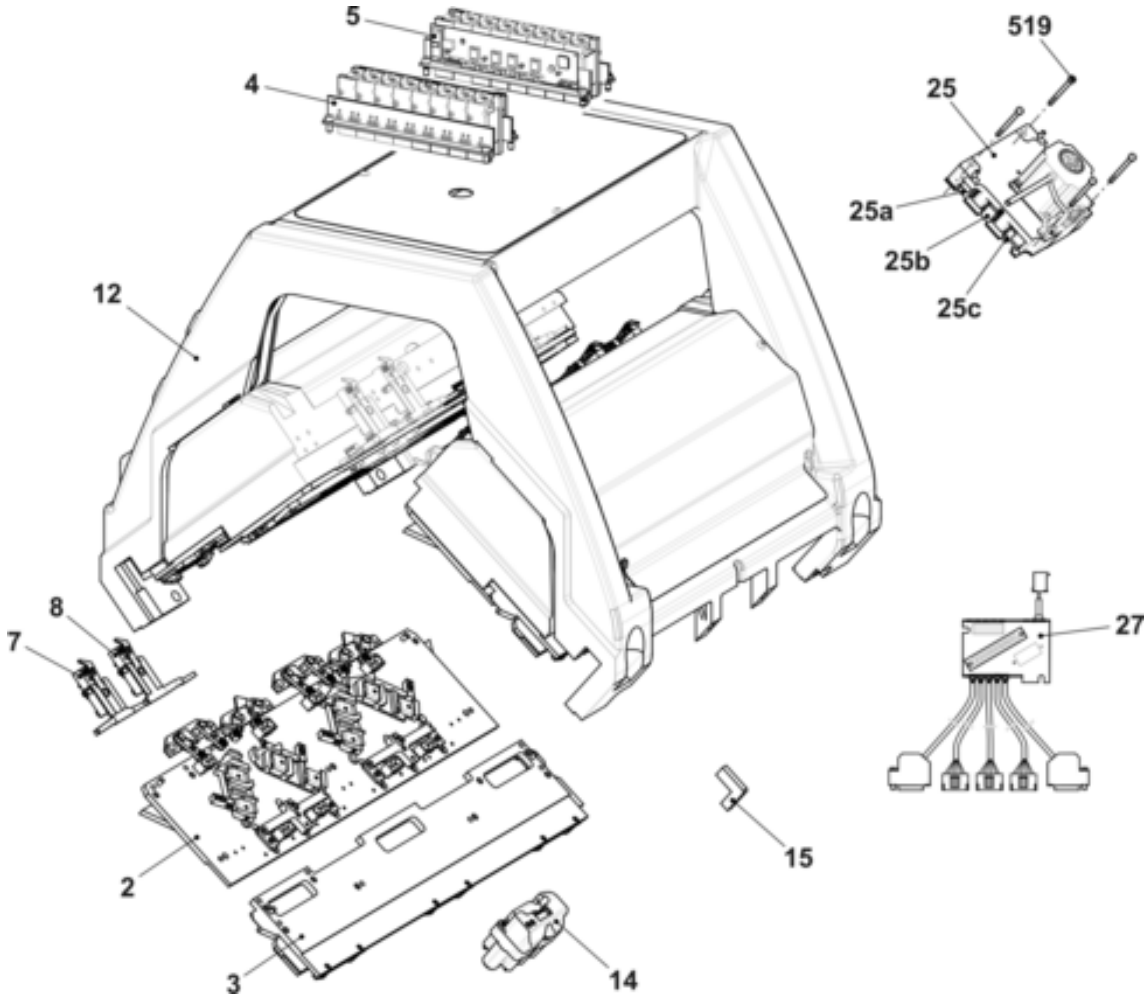
5 Carriage



5.1 Overview of carriage

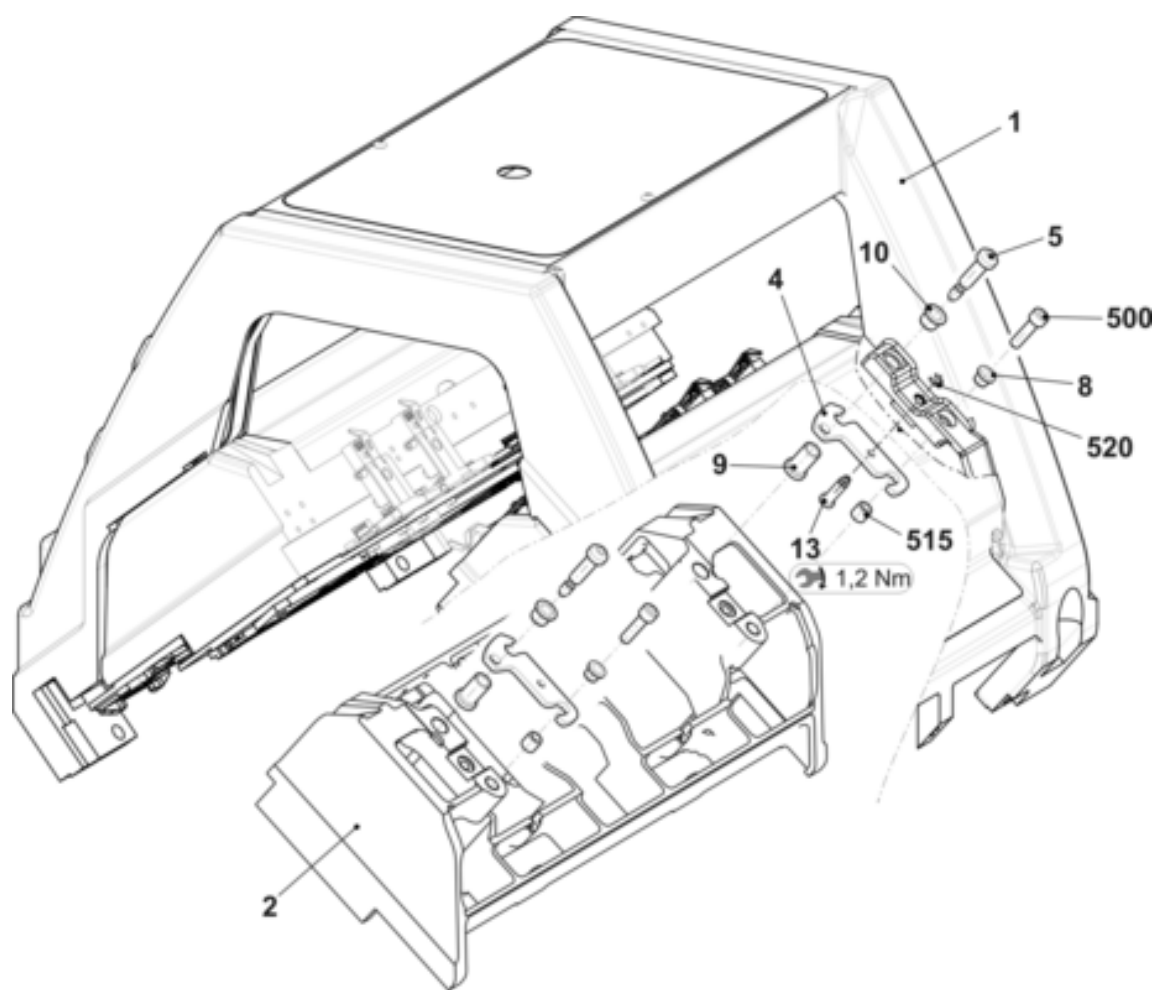
5.1 Overview of carriage

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage completeE3-4	256 647			
	Carriage completeE3-4m.3L	262 124			
2	Needle cam complete	214 808	14	Selection system completeE2-8	216 218
	Needle cam completeE3-4m.3L	262 125	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 rightE3-4m.3L	261 829	25c	Gear rack at the bottom	214 292
8	Holding-down jack control on the leftE3-4m.3L	261 828	520	Screw M4x40	023 095
12	Carriage assembly 2 cam boxes complete	256 499	27	Distributor 520C	253 666



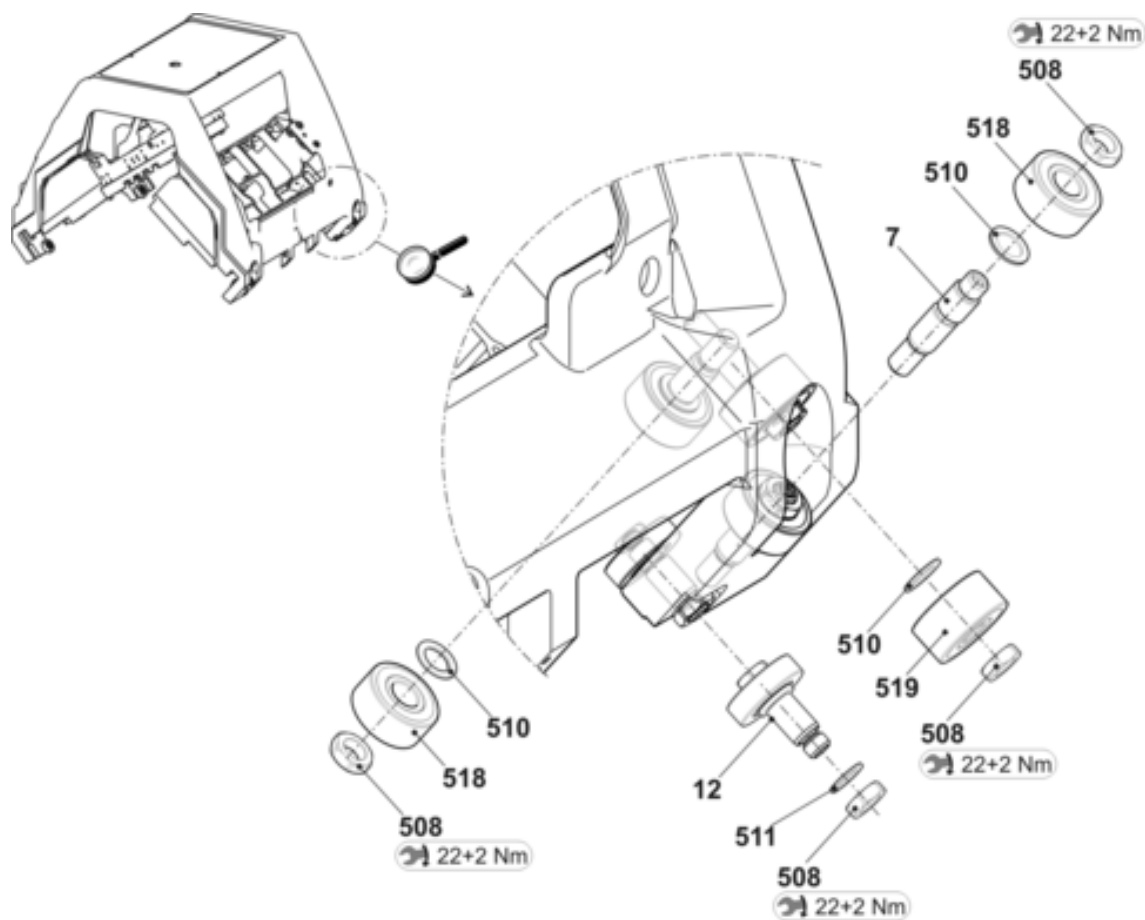
5.2 Carriage assembly

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



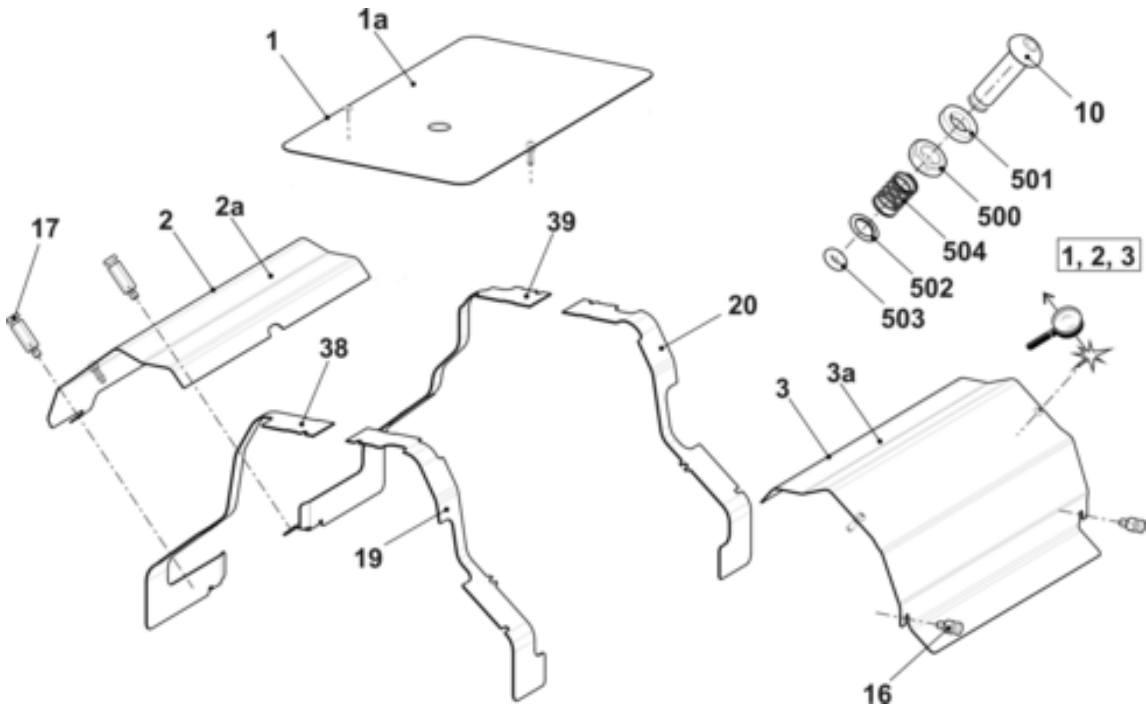
5.3 Carriage guide

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	242 071		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



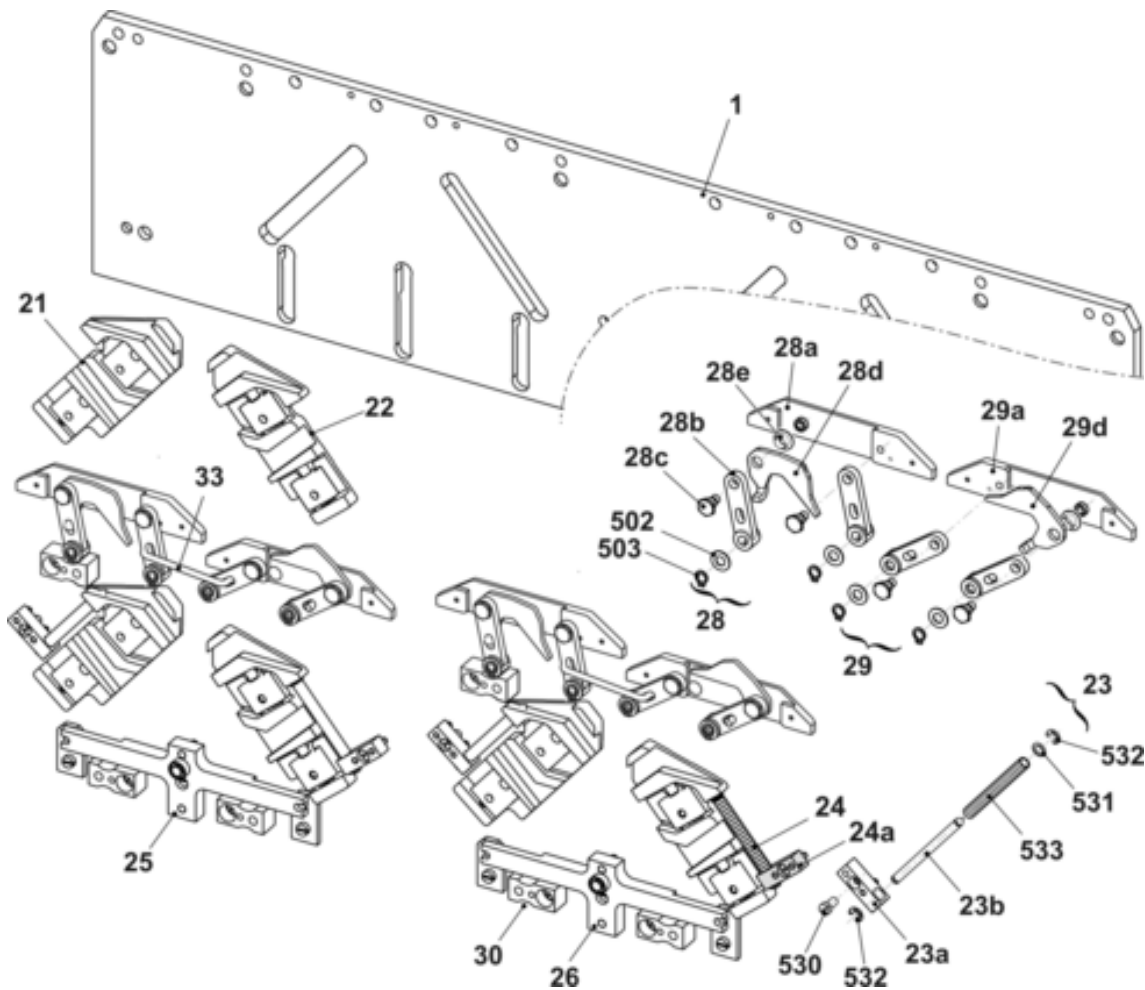
5.4 Carriage cover

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	Bolt	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			



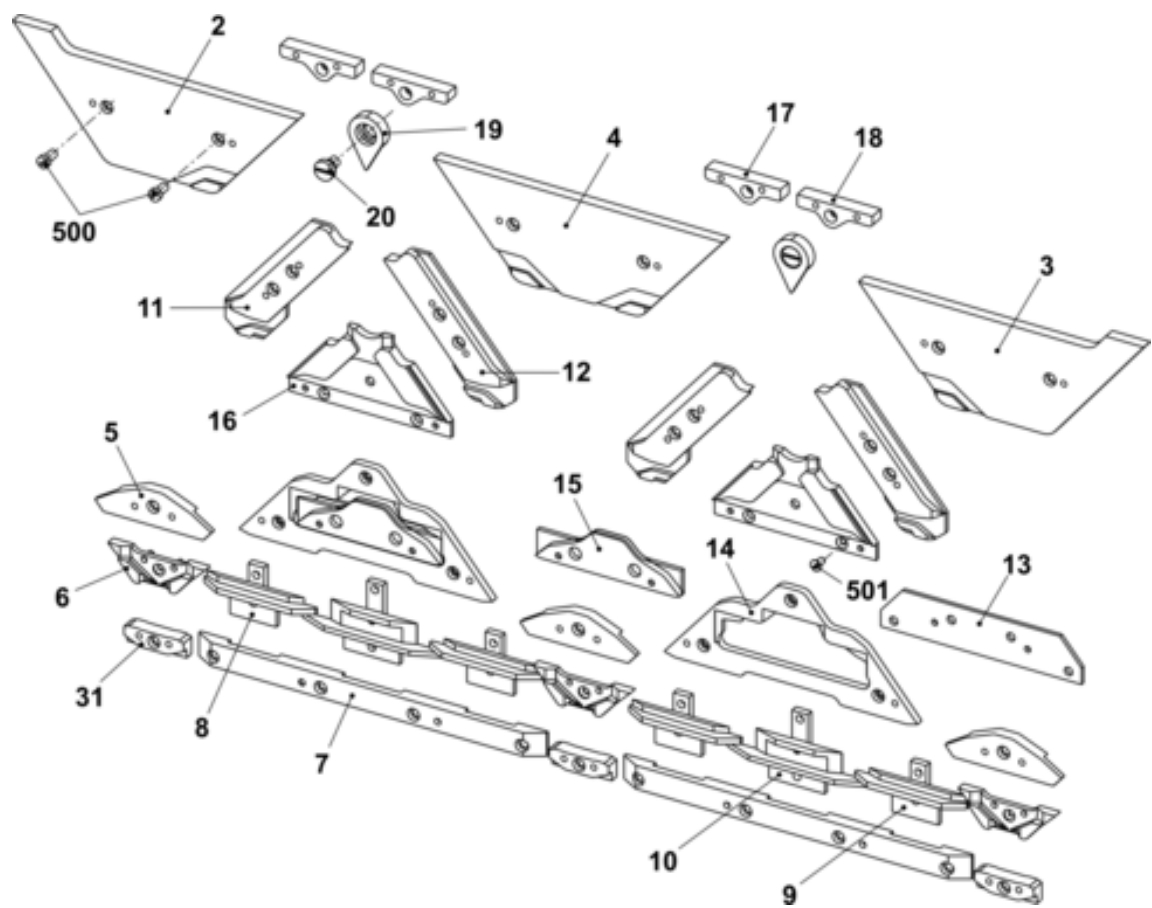
5.5 Needle cam E3|E3,5|E4

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle cam complete (at the top)	214 808	26	Slider	210 953
1	Needle cam plate E3-4	214 899	28	Slider on the left completeE3-4m.3L	261 418
21	Loop sinking cam on the left complete	214 657	28a	Slider on the left	261 378
22	Loop sinking cam on the right complete	214 656	28b	Connecting rodCMS320	214 186
23	Rod guide element on the left	214 477	28c	Axle	252 742
23a	Rod guide element on the left	214 475	28d	Jack sheet metal on the left	261 376
23b	Spring rod	214 476	28e	Bushing	252 707
530	Cap screw M4x8	020 091	29	Slider on the right completeE3-4m.3L	261 419
531	Washer4,3x7x0,5	022 153	29a	Slider on the rightE3-4	261 379
532	Circlip 3,2	021 019	28d	Jack sheet metal on the right	261 377
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	Retaining ring5x0,6	023 347



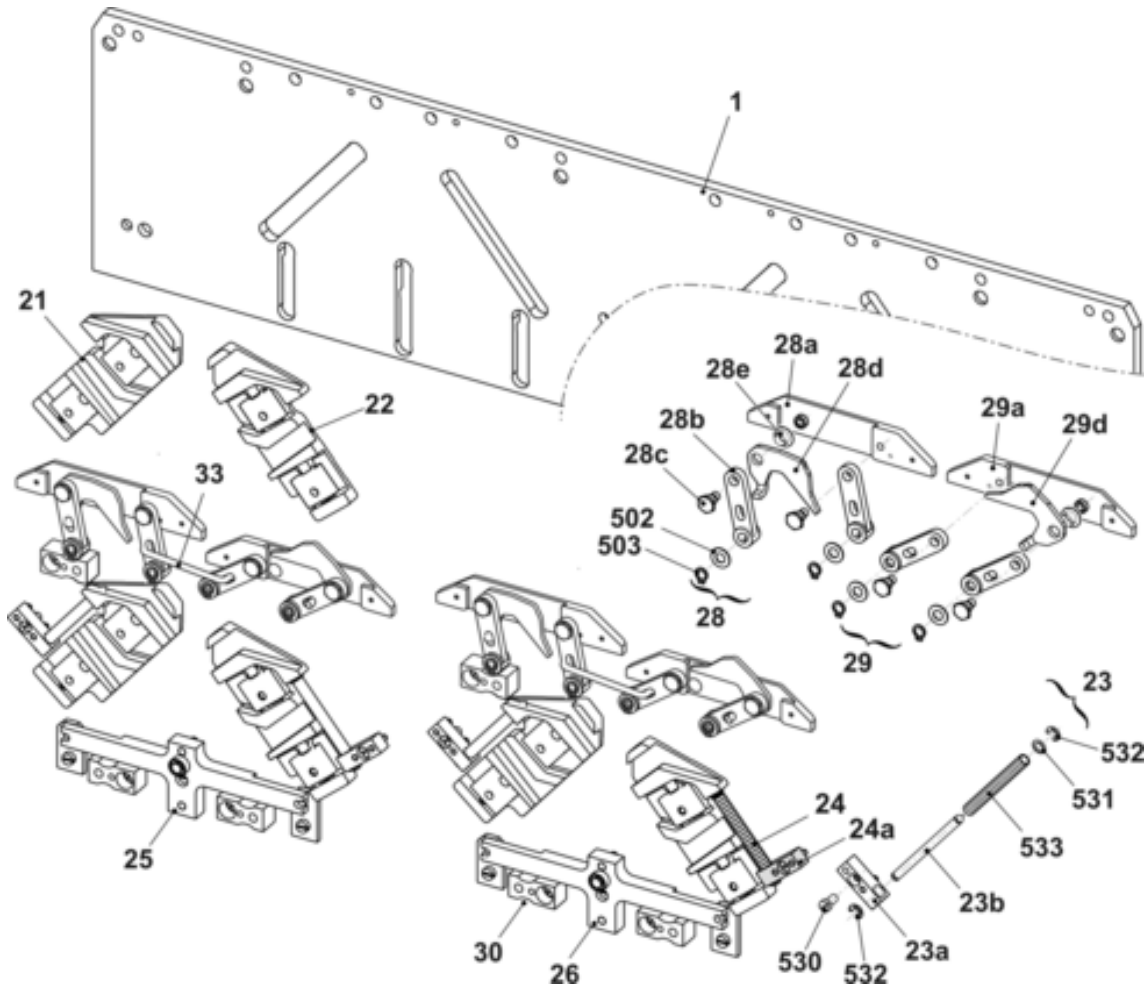
5.5.1 Continuation cam box E3|E3,5|E4

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 middle E3-4	214 852	15	Receiving cam	214 190
5	Entry camE3-4m.3L	261 115	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



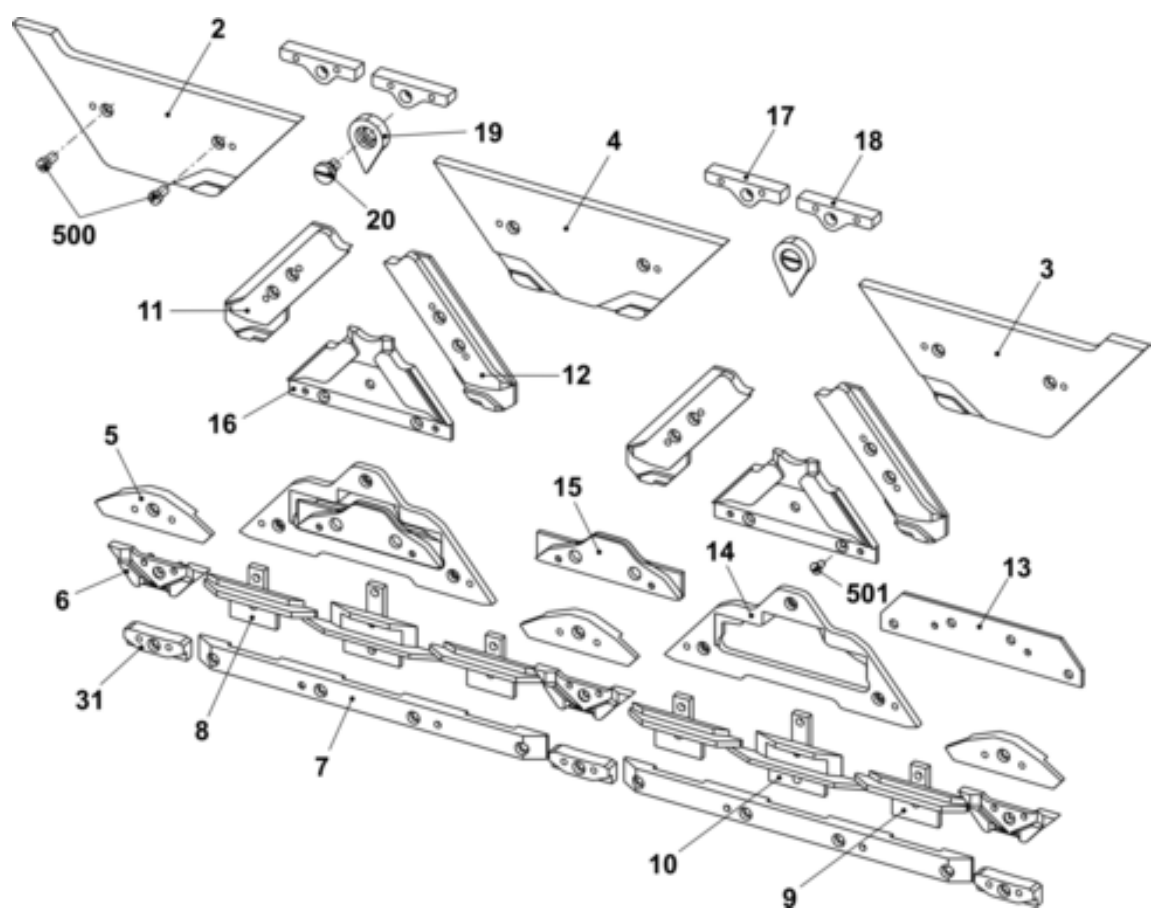
5.6 Needle cam E3m.3L | E3,5m.3L | E4m.3L

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle cam complete E9.2 E3-4m.3L (at the top)	262 125	26	Slider	210 953
1	Needle cam plate E3-4	214 899	28	Slider on the left completeE3-4m.3L	261 418
21	Loop sinking cam on the left complete	214 657	28a	Slider on the left	261 378
22	Loop sinking cam on the right complete	214 656	28b	Connecting rodCMS320	214 186
23	Rod guide element on the left	214 477	28c	Axle	252 742
23a	Rod guide element on the left	214 475	28d	Jack sheet metal on the left	261 376
23b	Spring rod	214 476	28e	Bushing	252 707
530	Cap screw M4x8	020 091	29	Slider on the right completeE3-4m.3L	261 419
531	Washer4,3x7x0,5	022 153	29a	Slider on the rightE3-4	261 379
532	Circlip 3,2	021 019	28d	Jack sheet metal on the right	261 377
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	Retaining ring5x0,6	023 347



5.6.1 Continuation needle cam E3m.3L | E3,5m.3L | E4m.3L

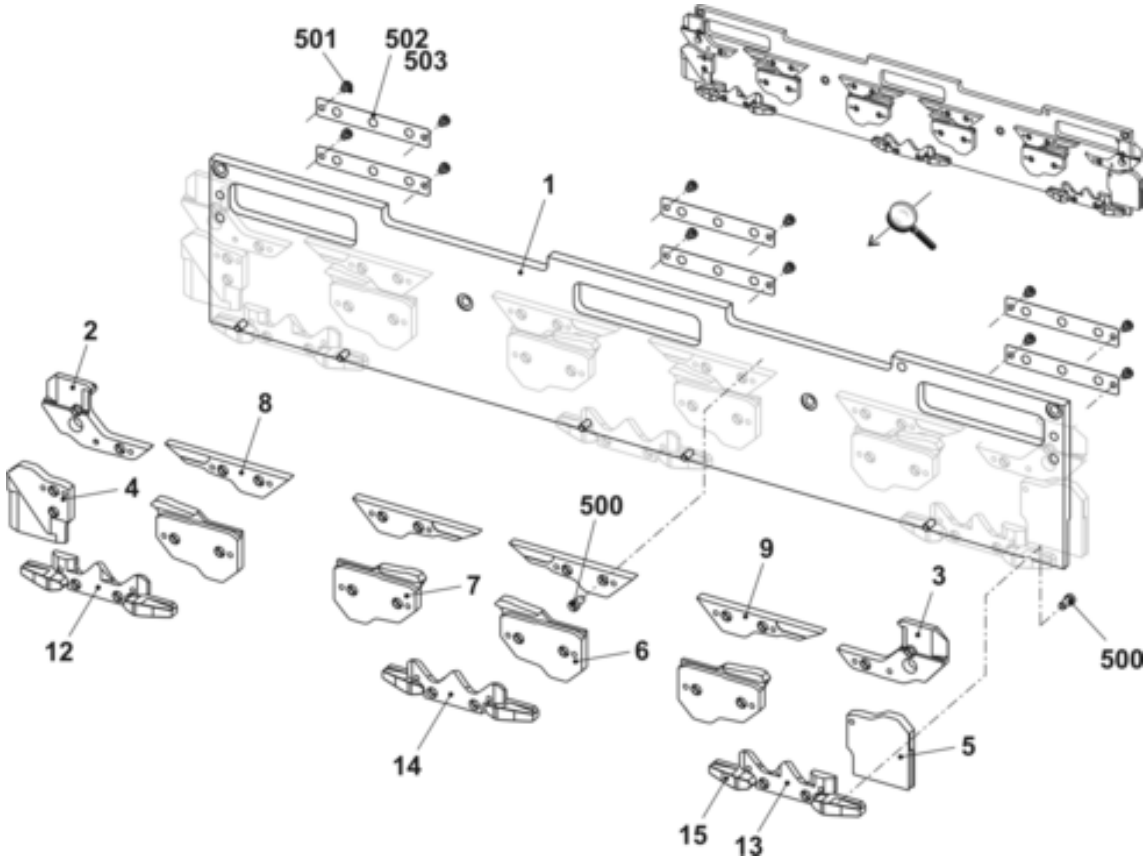
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle cam box completeE3-4m.3L (at the bottom)	262 125		13	Raising cam plate	214 286
2	Entry cam on the left E3-4	214 850		14	Raising cam without split-stitch	261 116
3	Entry cam on the right E3-4	214 851			Raising cam with split-stitch (Accessories)	261 117
4	Entry cam in the middle E3-4	214 852		15	Receiving cam E3-4m.3L	261 118
5	Entry camE3-4m.3L	261 115		16	Tuck limiting cam E3-4m.3L	261 119
6	Knitting position cam E3-4	220 179		17	Limiting cam on the left E3-4m.3L	261 120
7	Pressure strip E3-4	214 663		18	Limiting cam on the right E3-4m.3L	261 121
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

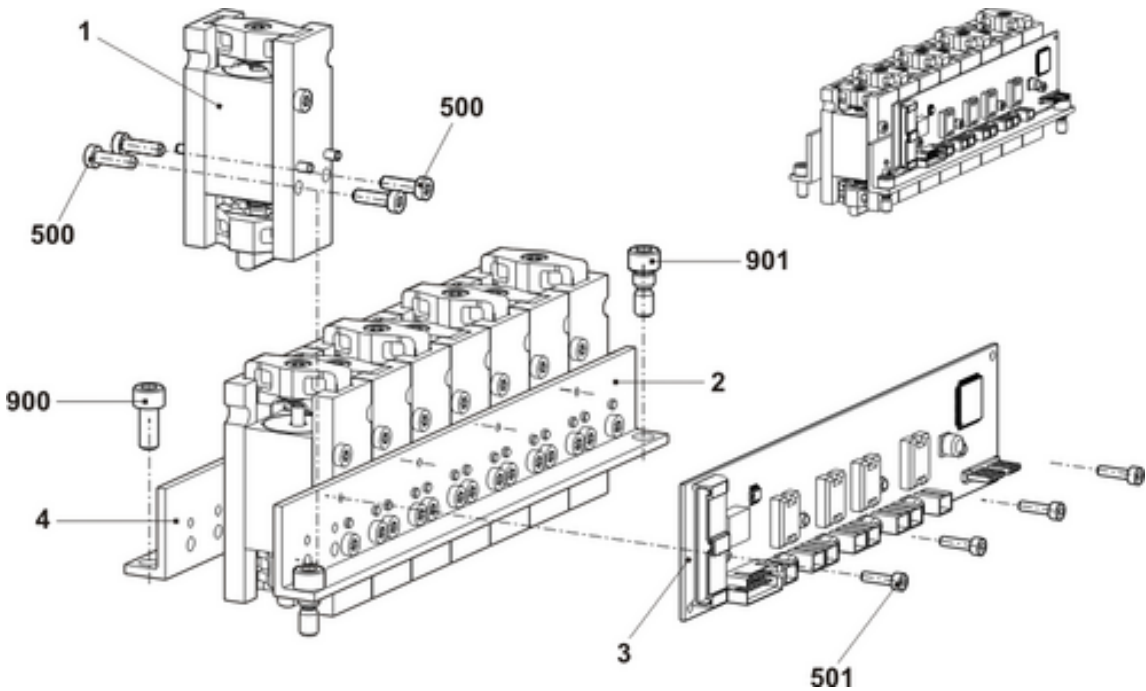
5.7 Jack cam box

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



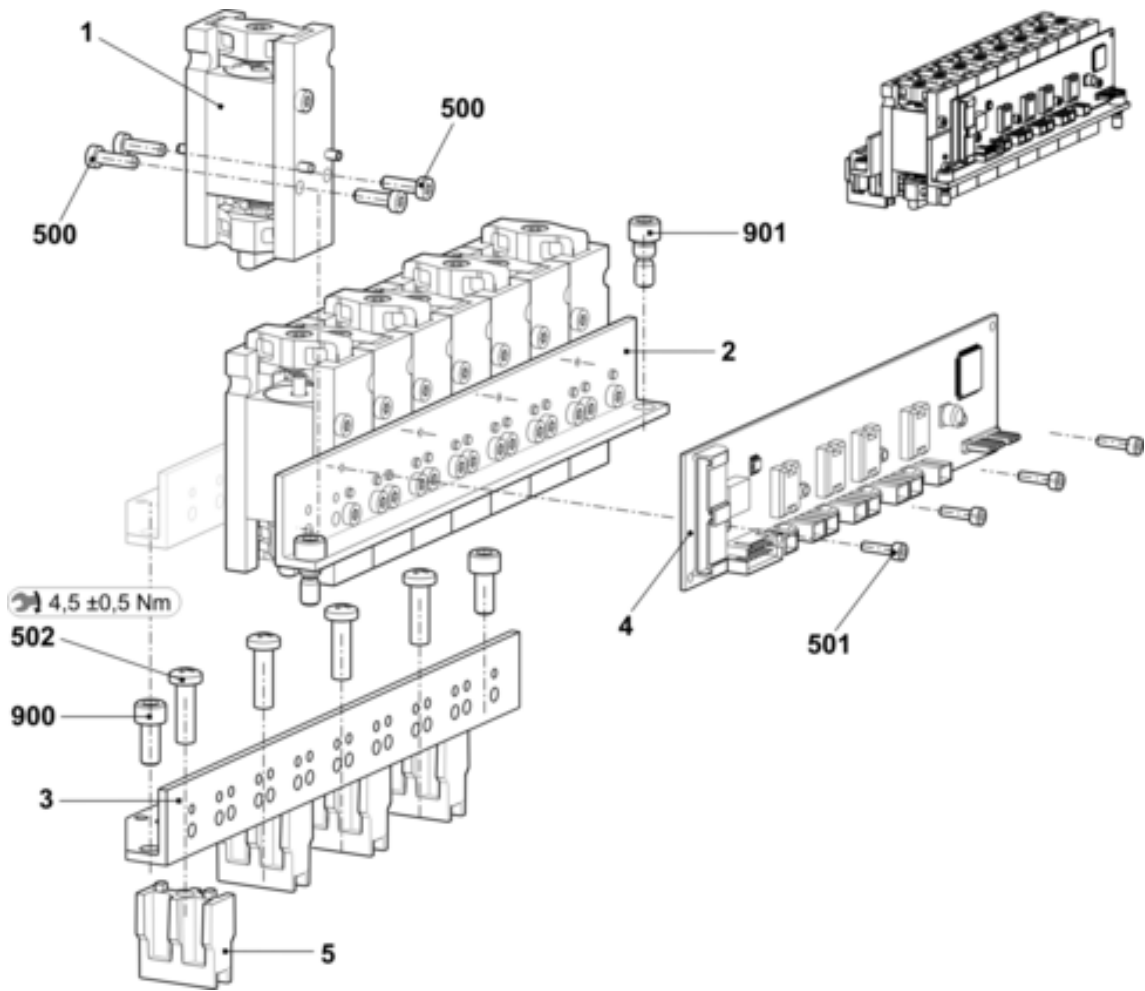
5.8 Yarn carrier driving without guide part

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



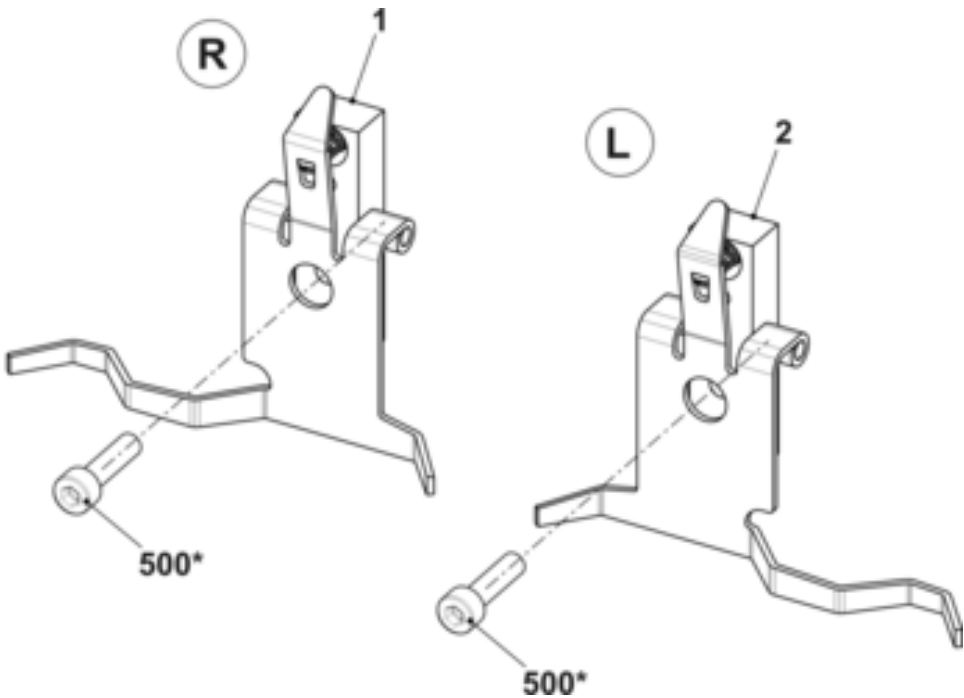
5.9 Yarn carrier driving with guide part

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 screw M6x14	022 658
5	Guide part	239 972		901	Shoulder screw	231 899



5.10 Holding-down jack control on the right and left

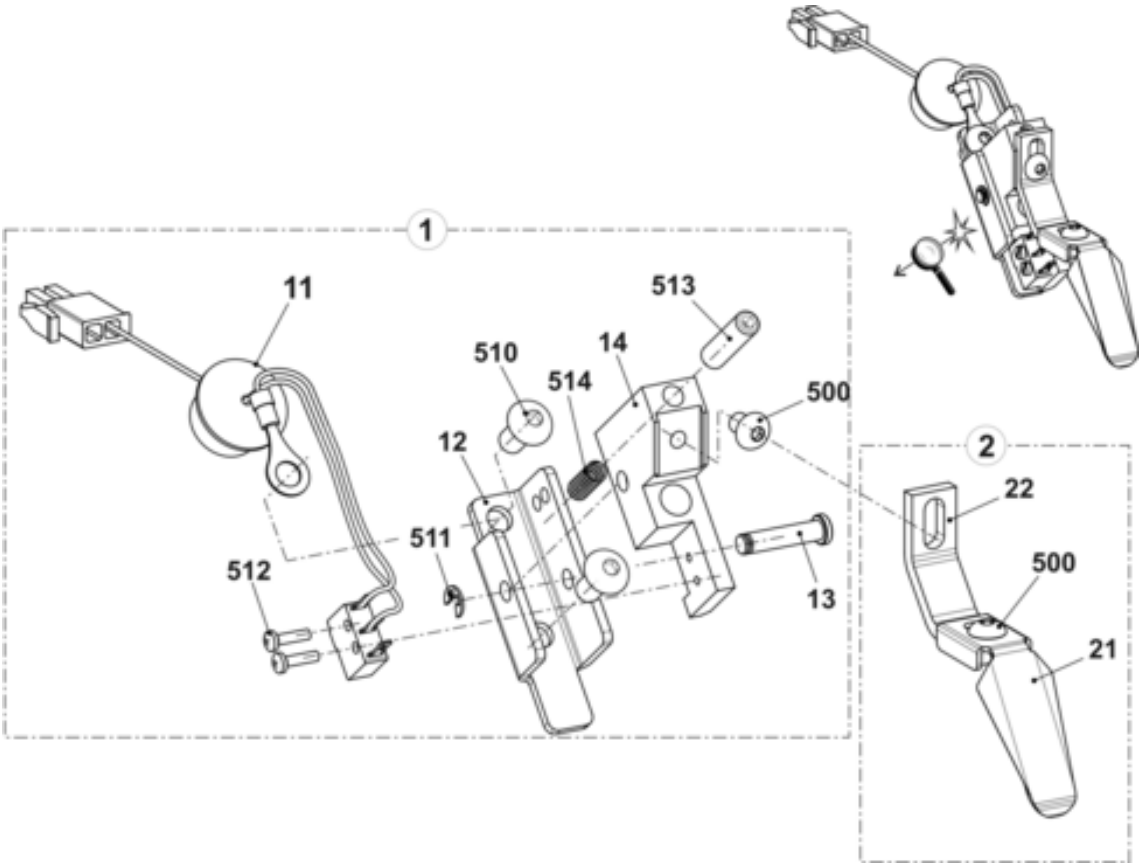
Pos	Designation	ID		Pos	Designation	ID
1	Holding-down jack control on the rightE3-4m.3L	261 829		2	Holding-down jack control on the leftE3-4m.3L	261 828
500*	Cap screw M5x20	020 133		500*	Cap screw M5x20	020 133



5.11 Needle detector

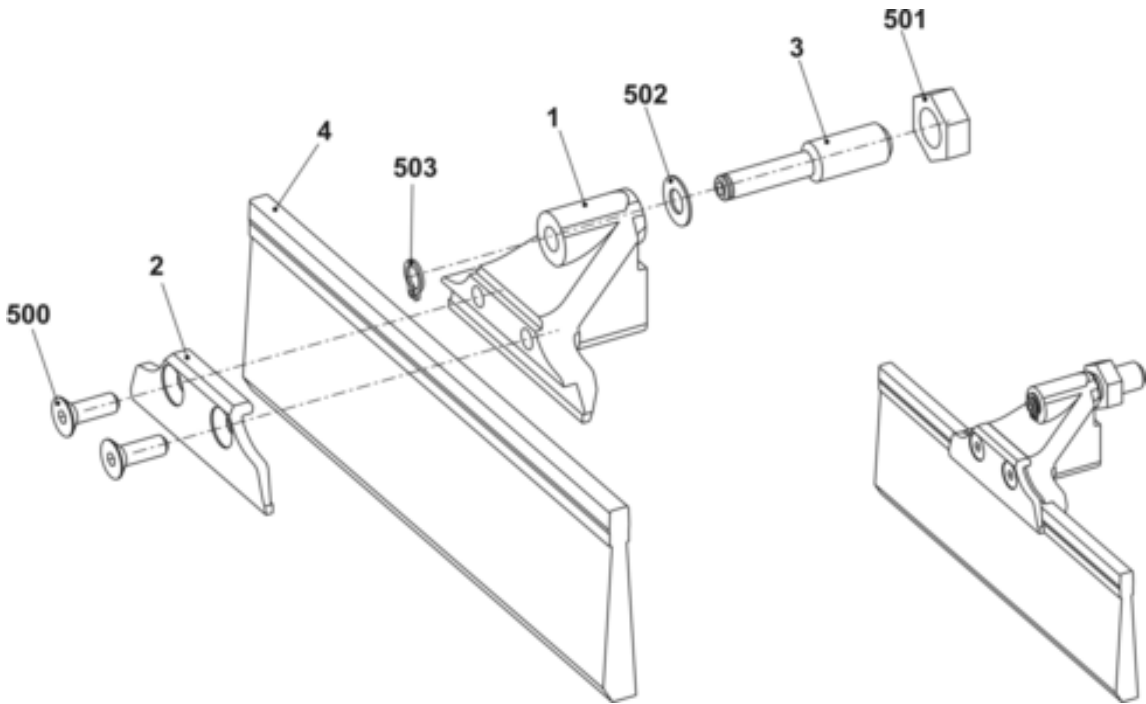
5.11 Needle detector

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



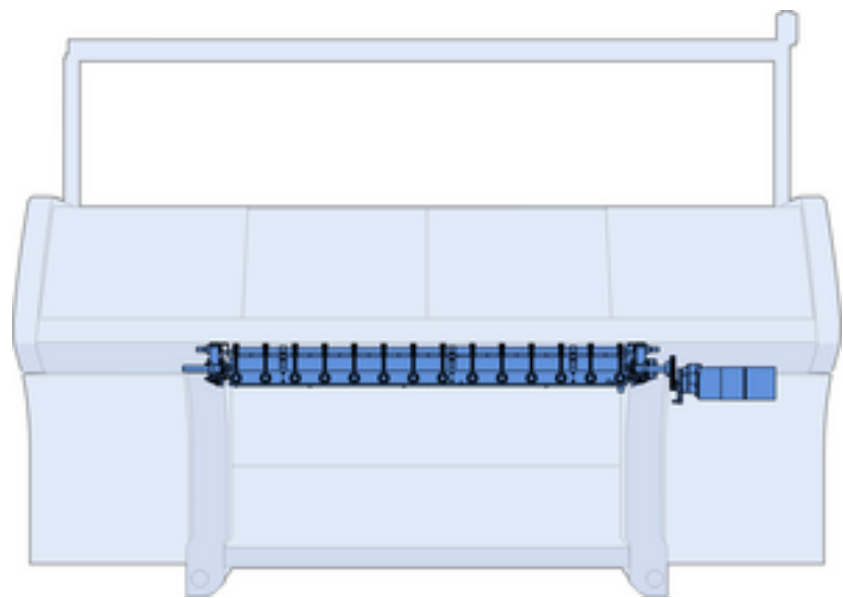
5.12 Brush holder

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	Retaining ring 5x0,6	023 347



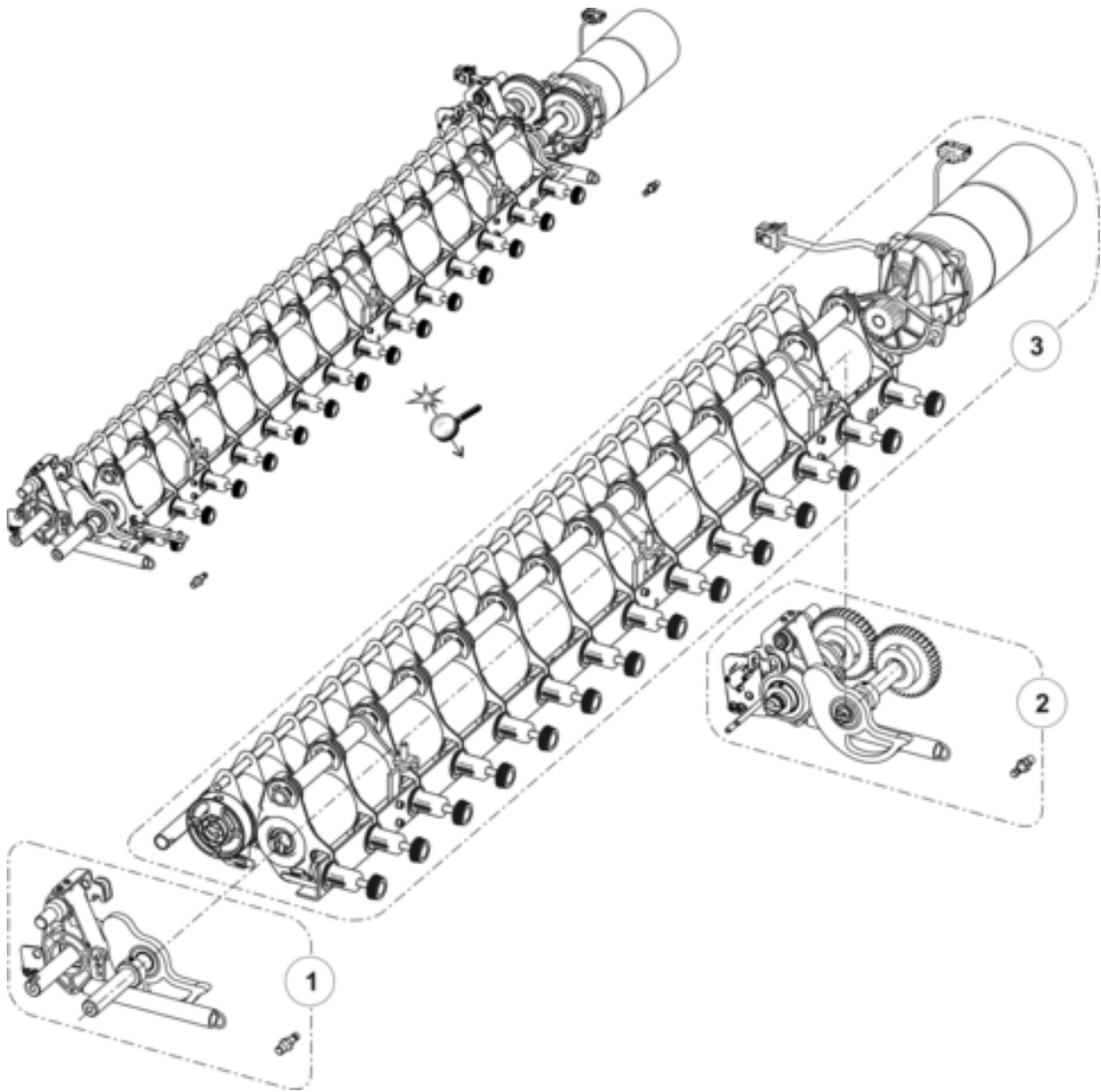
Notes:

6 Main take-down



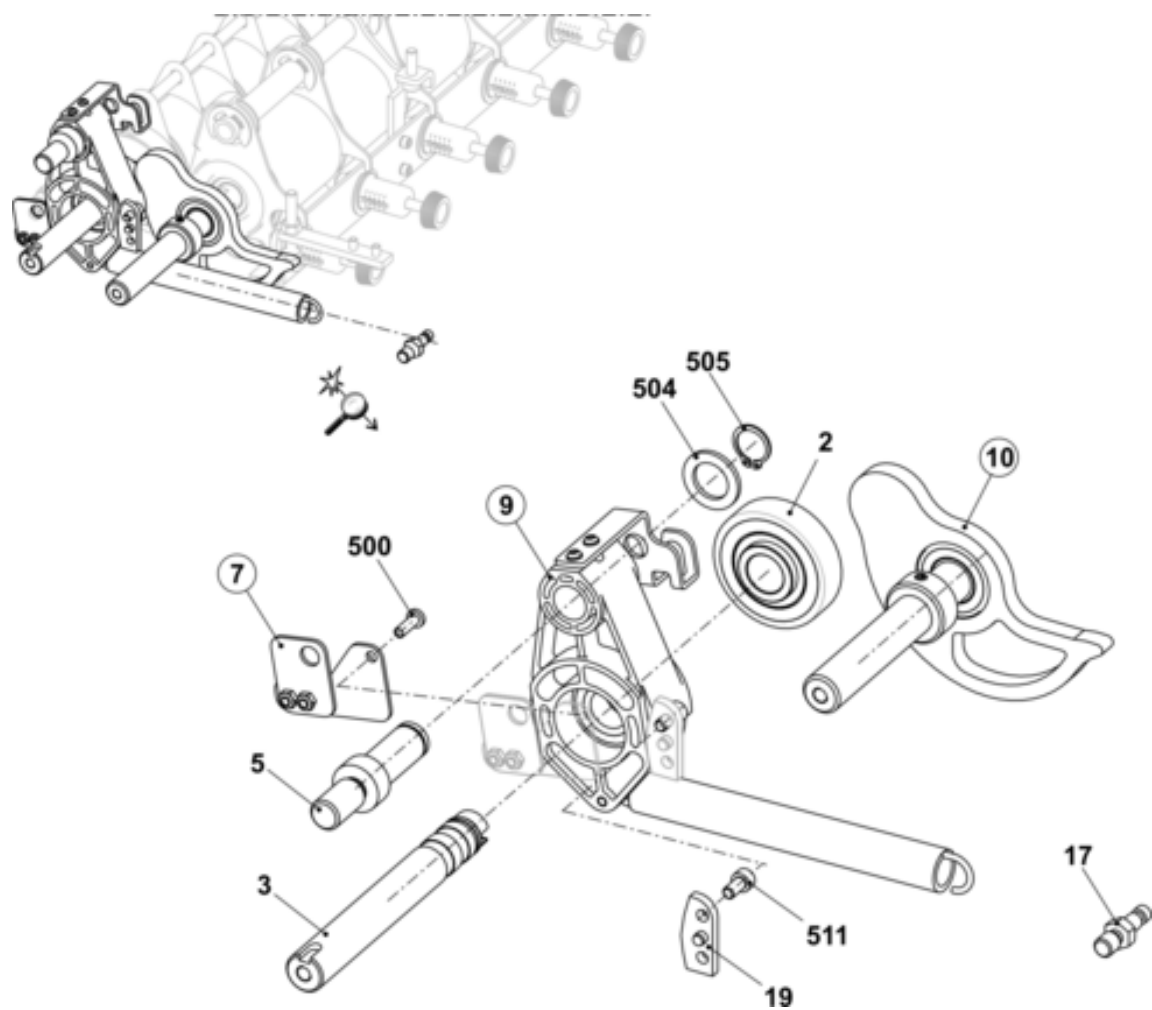
6.1 Main take-down

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

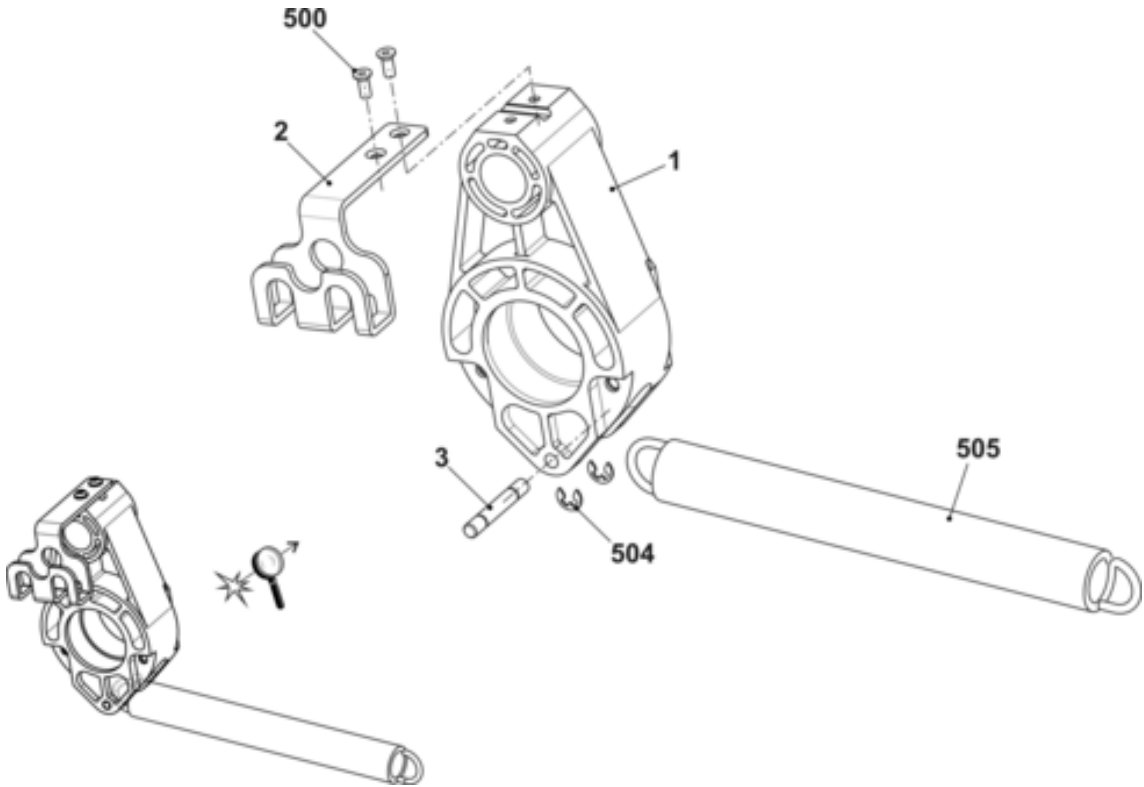
Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down on the left	253 851				
2	Bearing race complete	244 459		17	Spring bolt	221 143
3	Shaft on the left at the rear	221 012		19	Stop point	252 503
5	Bolts	208 538		500	Screw 50x15	251 728
7	Mounting plate on the left complete	231 725		504	Washer18	023 295
9	Swivel-mounted bearing	251 761		505	Retaining ring18x1,2	020 955
10	Full floating axle on the left	251 984		511	Cap screw M6x12	020 134



6.1 Main take-down

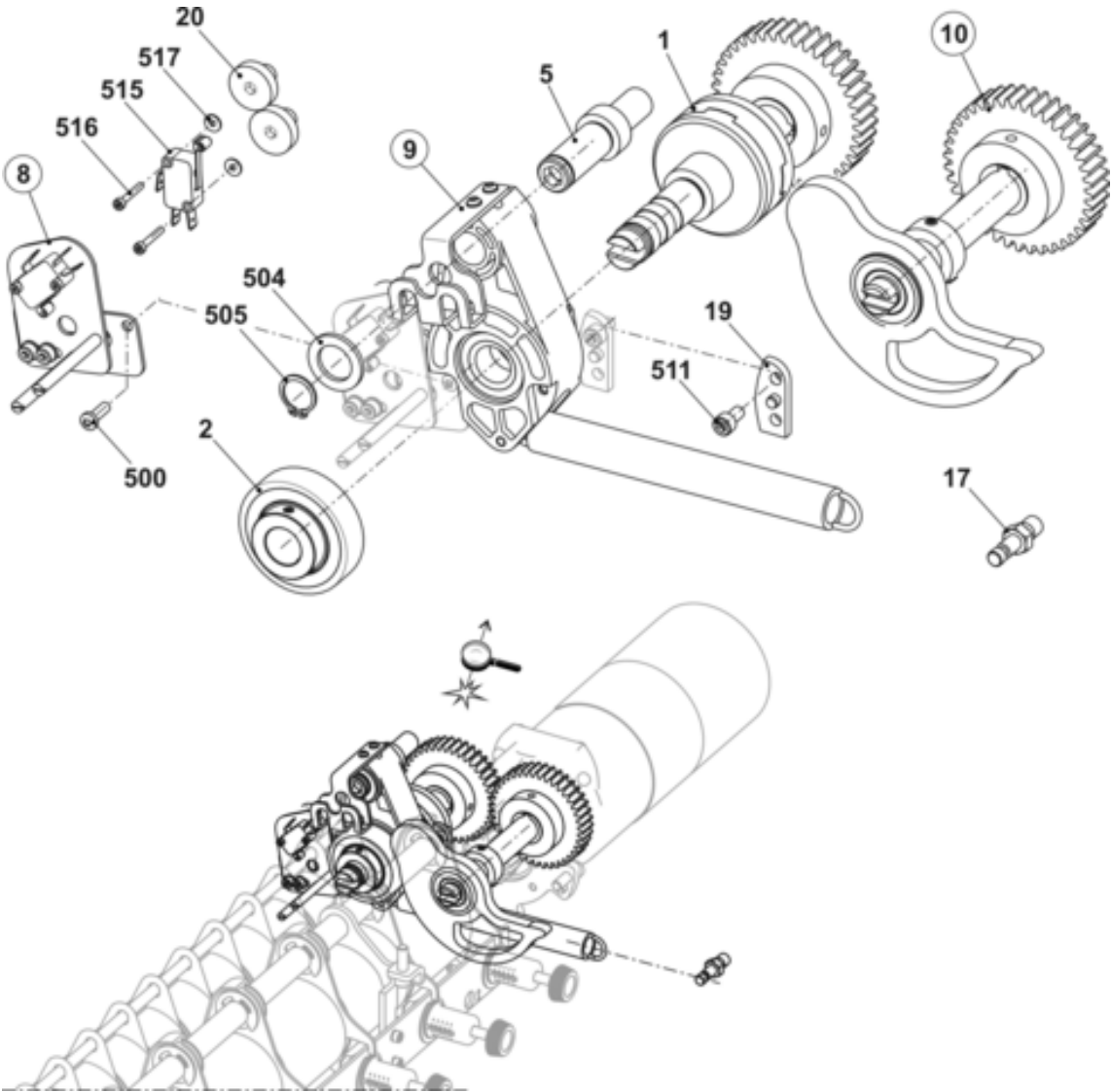
6.1.1.1 Swivel-mounted bearing

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

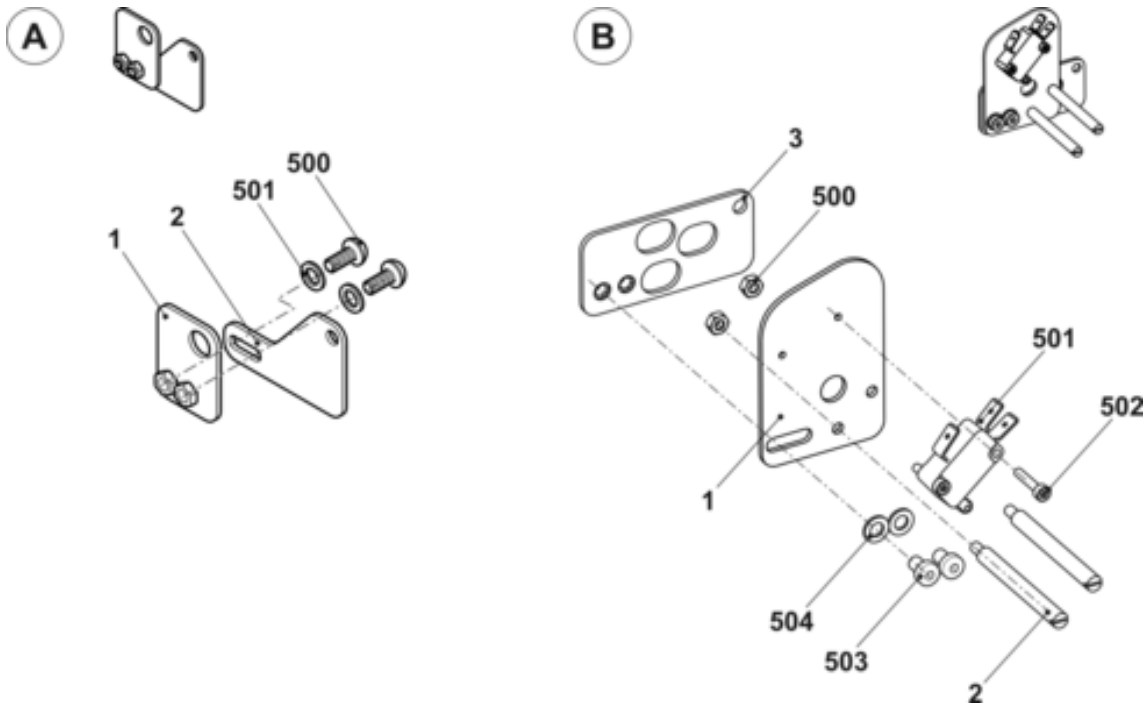
Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down on the right	253 852				
1	Clutch set	251 677		20	Threaded bush	222 522
2	Bearing race complete	244 459		500	Screw 50x15	251 728
5	Bolts	208 538		504	Washer18	023 295
8	Mounting plate on the right complete	260 090		505	Retaining ring18x1,2	020 955
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

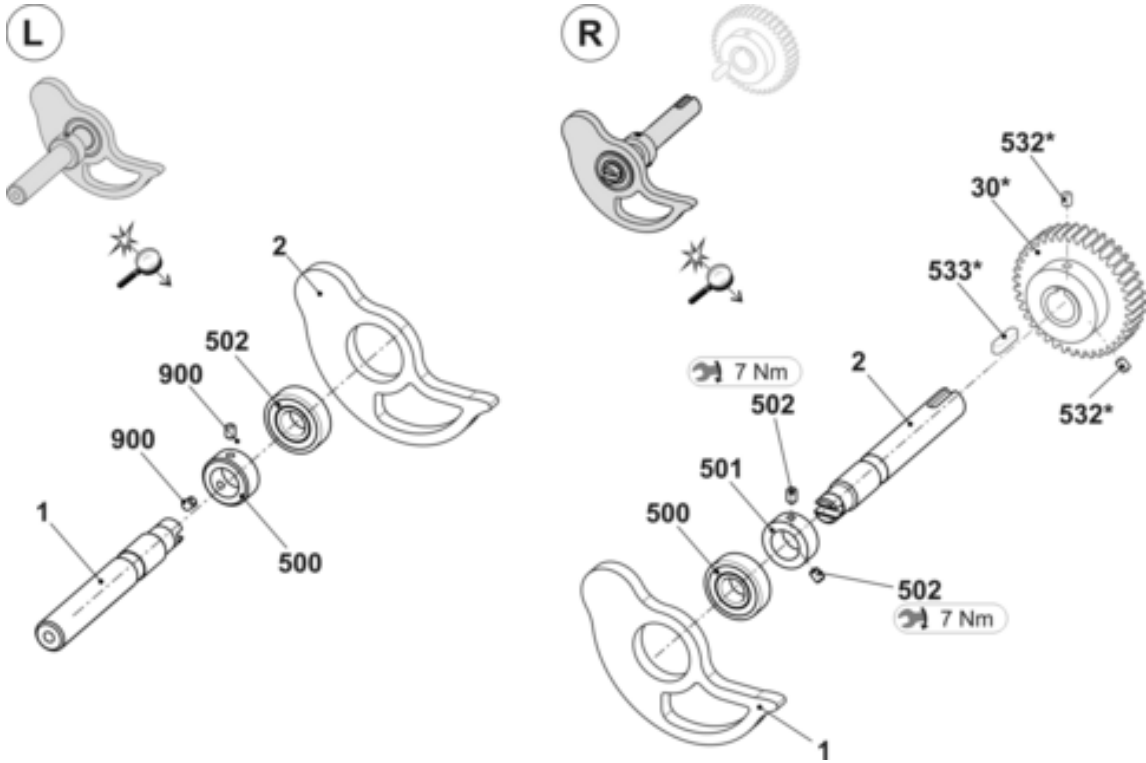
6.1.2.1 Mounting plate

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ A	Mounting plate on the left complete	231 725		2	Shoulder screw	240 067
1	Mounting plate on the left	231 541		3	Retaining plate on the right	240 066
2	Retaining plate on the left	231 539		500	Hexagon nut M4-6	022 536
500	Pan head screw M5x10	023 247		501	Microswitch	026 259
501	Serrated lock washer J5,3	022 489		502	Cap screw M3x16	022 583
Σ B	Mounting plate on the right complete	260 090		503	Cap screw M5x8	244 278
1	Mounting plate on the right	260 067		504	Washer5-200	020 871



6.1.2.2 Full floating axle

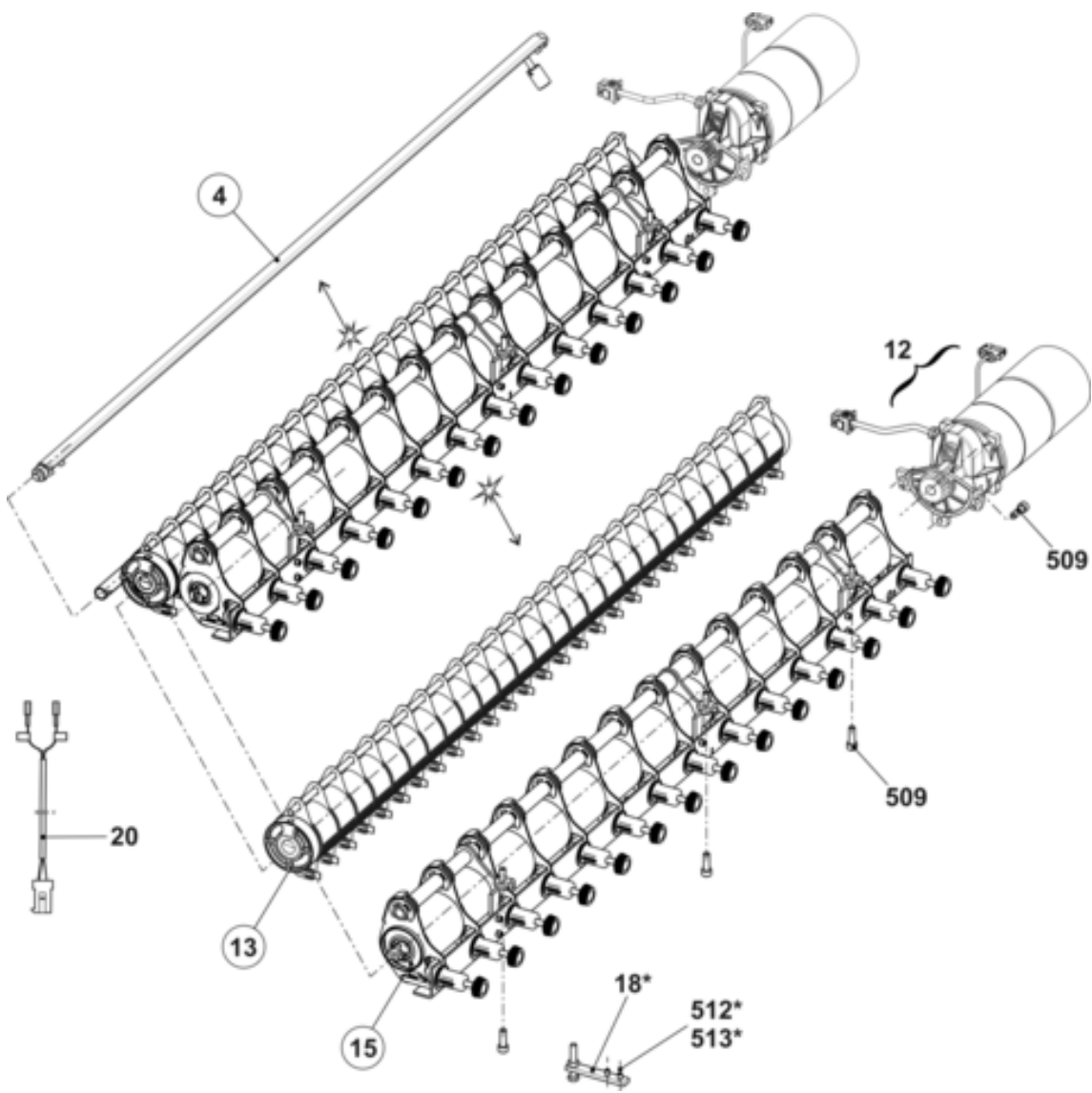
Pos	Designation	Id		Pos	Designation	Id
Σ L	Full floating axle on the left	251 984		Σ R	Full floating axle on the right	251 985
1	Shaft on the left at the front	221 013		1	Eccentric	251 959
2	Eccentric	251 959		2	Shaft on the right	223 393
500	Set collar	020 938		500	Fitting freewheel ZZ6203L	023 294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



6.1 Main take-down

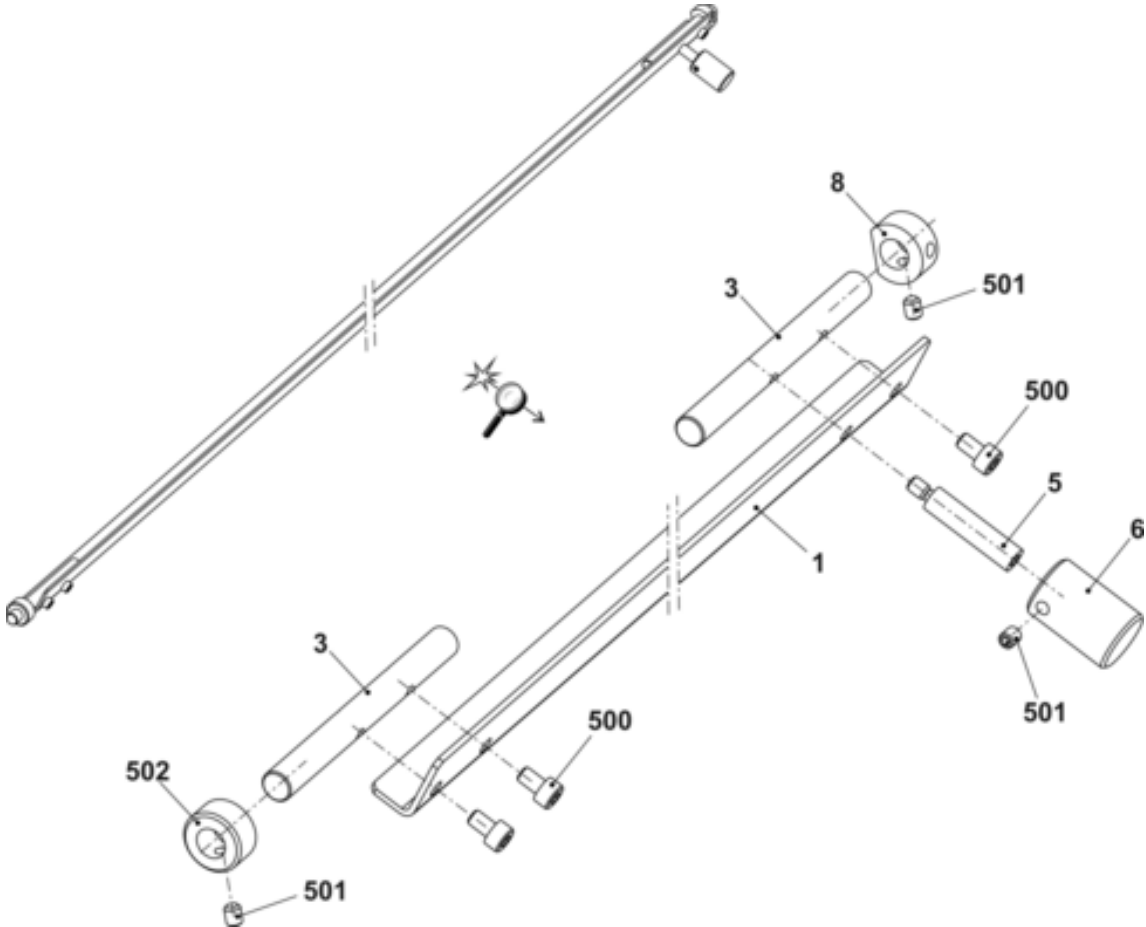
6.1.3 Main take-down in the middle

Pos	Designation	ID		Pos	Designation	ID
Σ	Main take-down in the middleE5-14	253 525				
4	Stripper angle at the rear complete	264 119		13	Take-down roller at the rear complete	253 853
12	Motor take-down unit complete	253 803		509	Cap screw M8x25	020 142
15	Take-down roller at the front complete	241 426		18*	Stop point	253 432
20	Connection cable winding plate	241 703		513*	Pan-head screw M6x16	023 124



6.1.3.1 Stripper angle

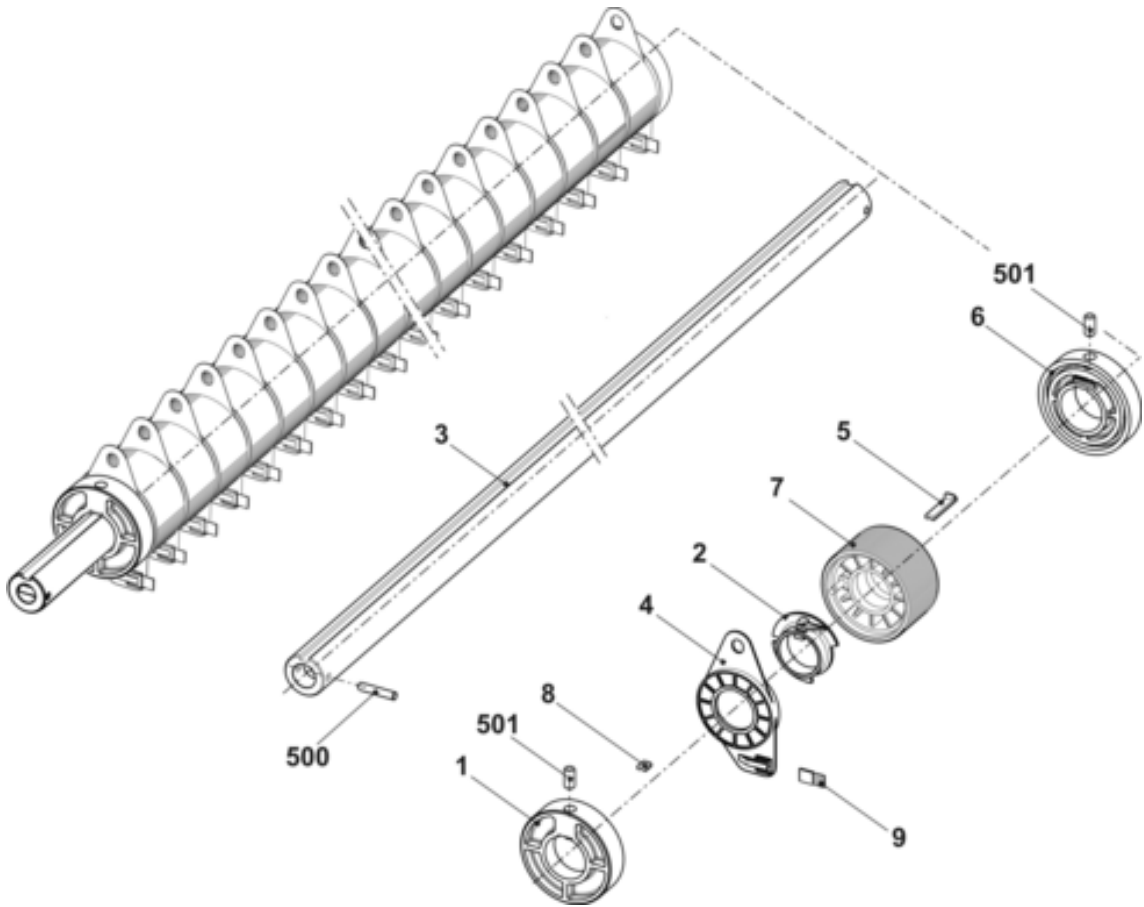
Pos	Designation	Id		Pos	Designation	Id
Σ	Stripper angle at the rear complete	264 119				
1	Stripper angle	263 955		8	Cam	260 109
3	Axle	259 969		500	Cap screw M5x8	023 319
5	Bolts	228 310		501	Setscrew M5x6	022 738
6	Adjustment weight	229 248		502	Set collarA10	020 934



6.1 Main take-down

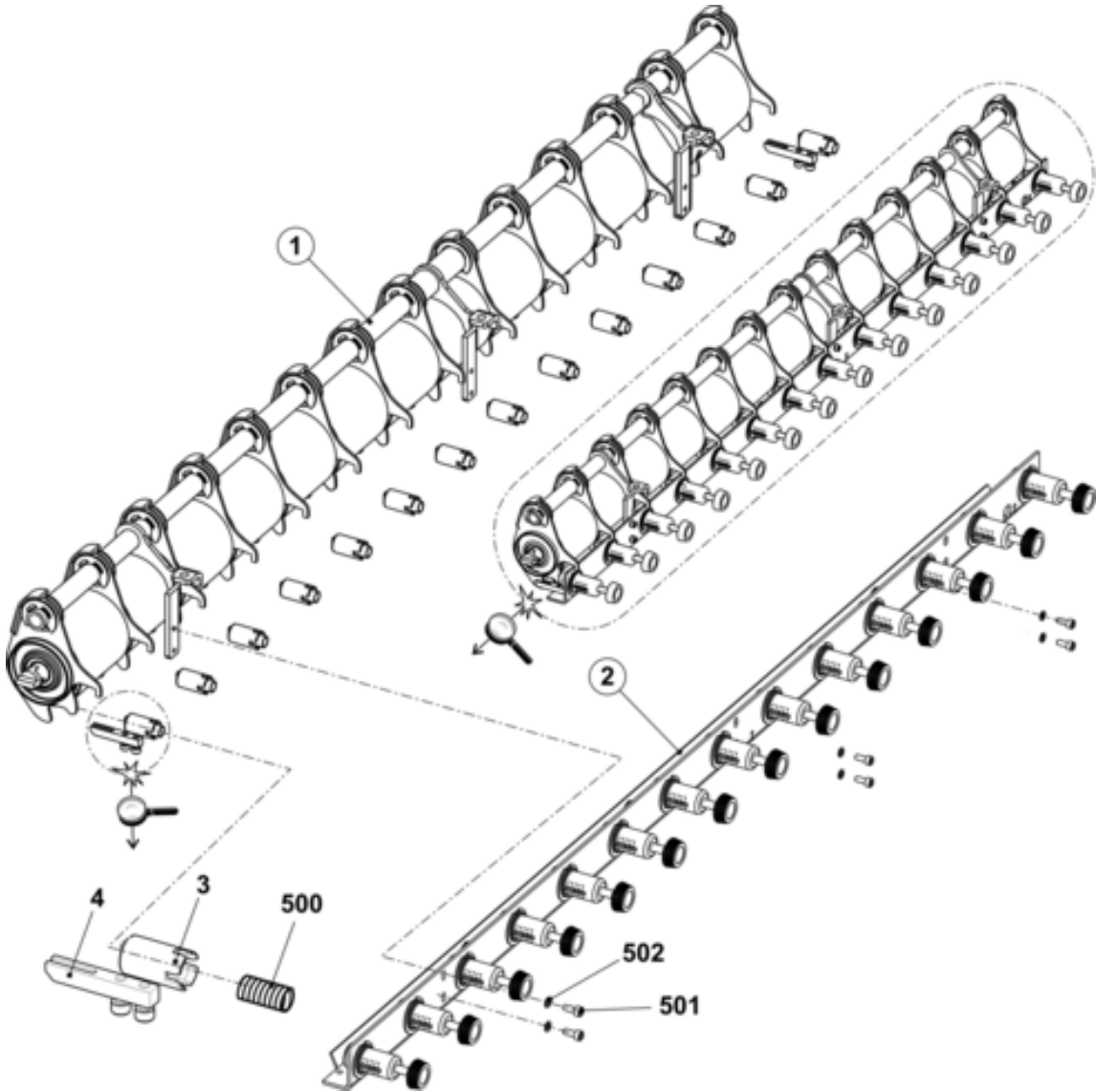
6.1.3.2 Rear take-down roller

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	Shaft	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

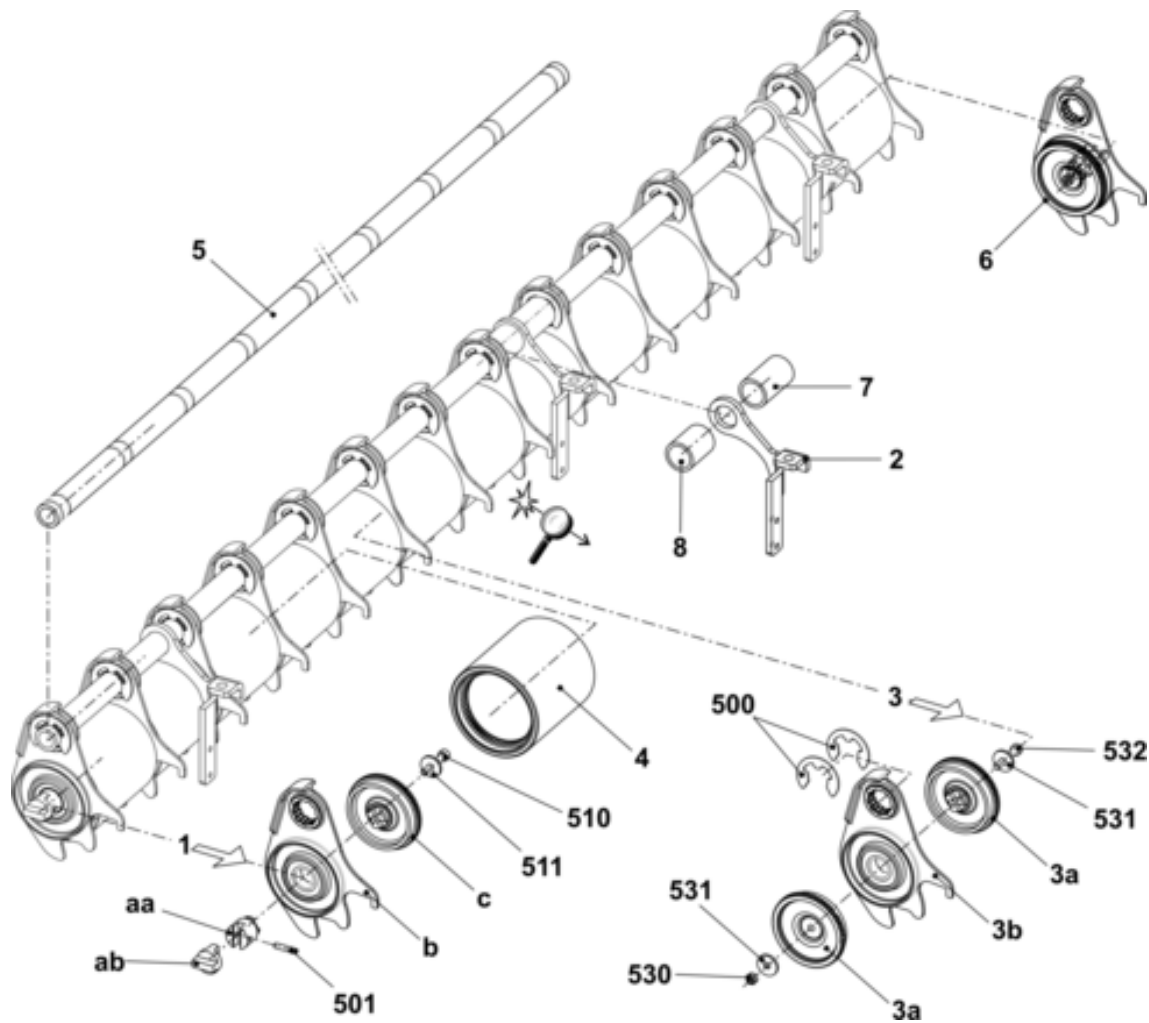
Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller at the front complete	241 426		4	Locating piece	221 935
1	Take-down roller at the front	221 243		500	Compression spring 1x10x30	023 741
2	Angle rail complete	241 425		501	Cap screw M5x12	020 132
3	Pressure sleeve	220 911		502	Washer5-200	020 880



6.1 Main take-down

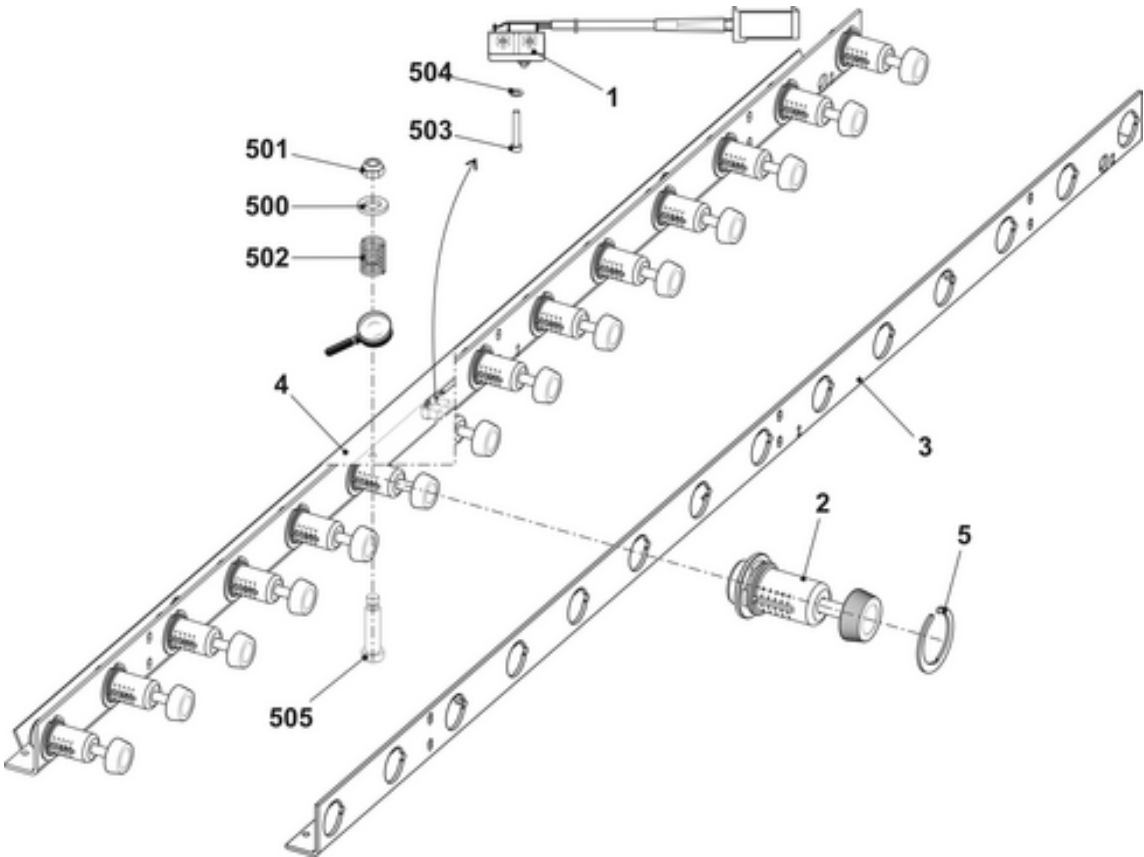
6.1.3.3.1 Front roller elements

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 screw M5x20	020 133			c	Gear wheel	220 910
	511	Washer5	023 542			501	Spring dowel sleeve 4x20	023 551
2	Support		251 557			510	Cap screw M5x20	020 133
3	Bearing support complete		221 241			511	Washer5	023 542
	3b	Bearing support	220 913		7	Spacer pipe on the right		253 407
	3a	Gear wheel	220 910		8	Spacer pipe on the left		253 408
	530	Hexagon nut M5	023 541		500	Circlip		021 025
	531	Washer5-100hv	023 542					
	532	Cap screw M5x30	022 396					



6.1.3.3.2 Pressure angle rail

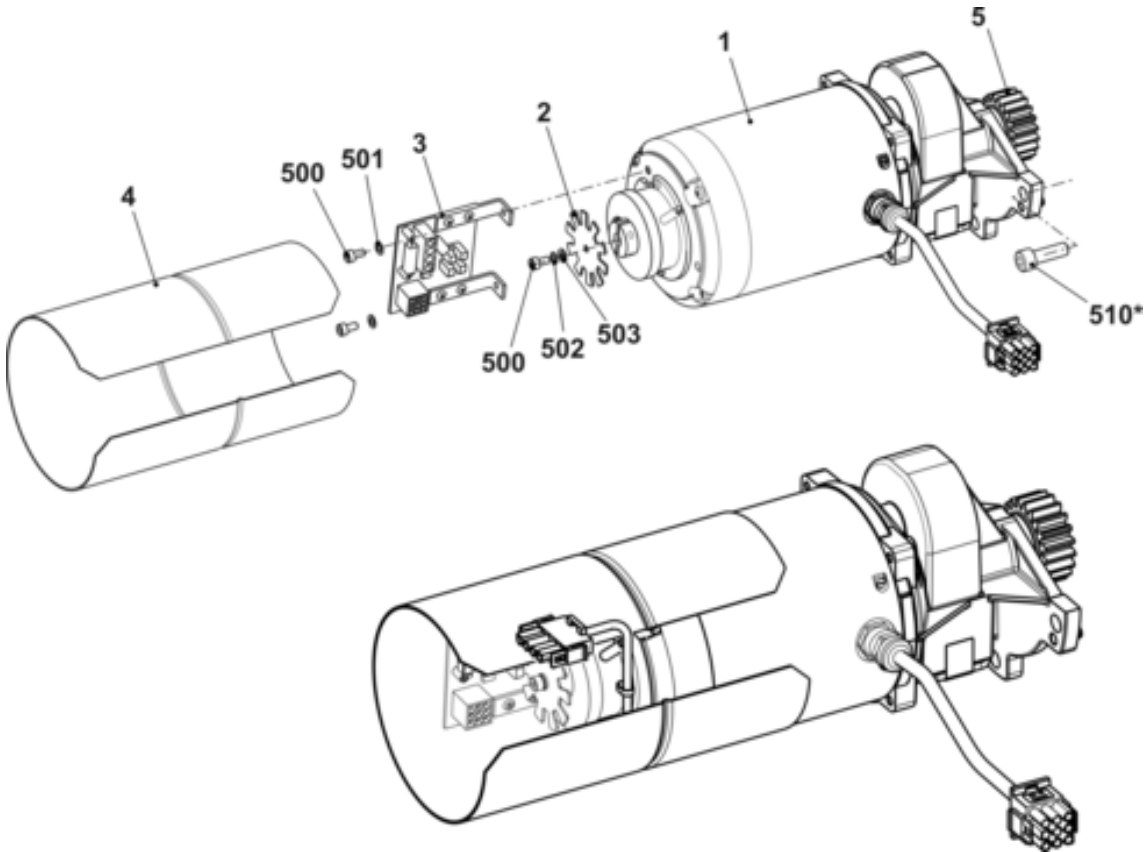
Pos	Designation	Id		Pos	Designation	Id
Σ	Angle rail complete	241 425		500	Washer6-200	022 431
1	Switch complete with cable	221 265		501	Hexagon nut M5-8	023 541
2	Spring flange	242 327		502	Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	241 773		503	Cap screw M2x12	023 522
4	Winding plate	221 101		504	Washer2-200	022 908
5	Retaining ring	242 325		505	Shoulder screw M5x20x5	023 675



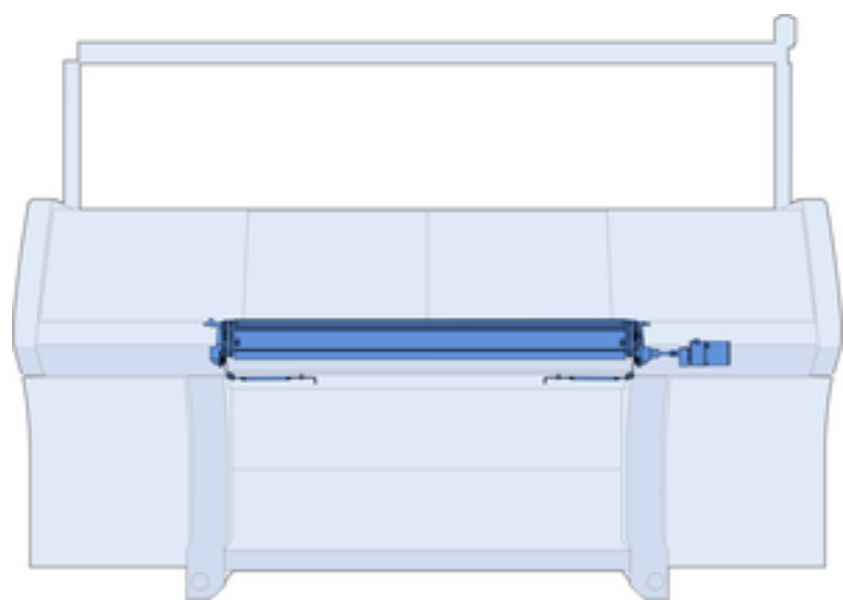
6.1 Main take-down

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



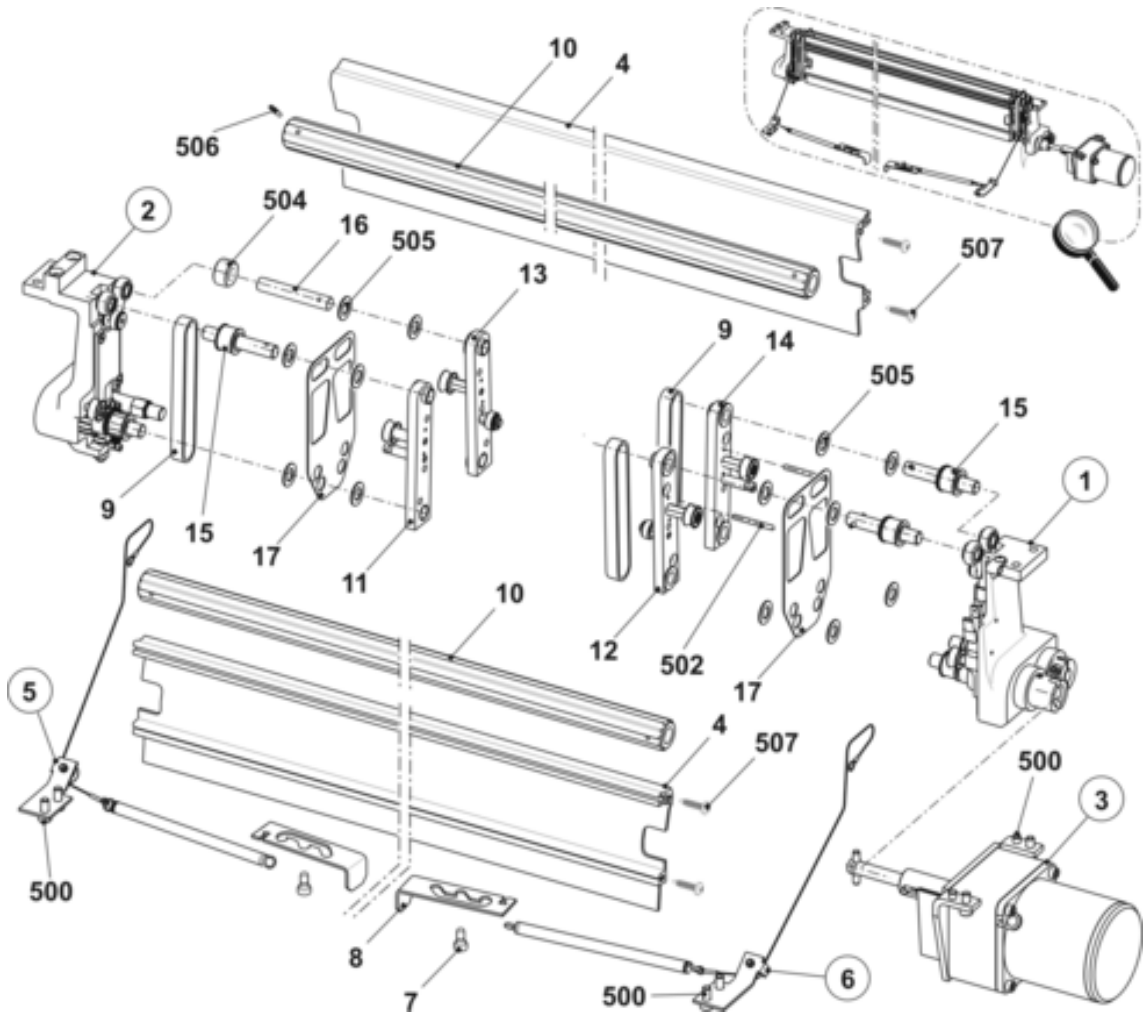
7 Auxiliary take-down



7.1 Auxiliary Take-down Values

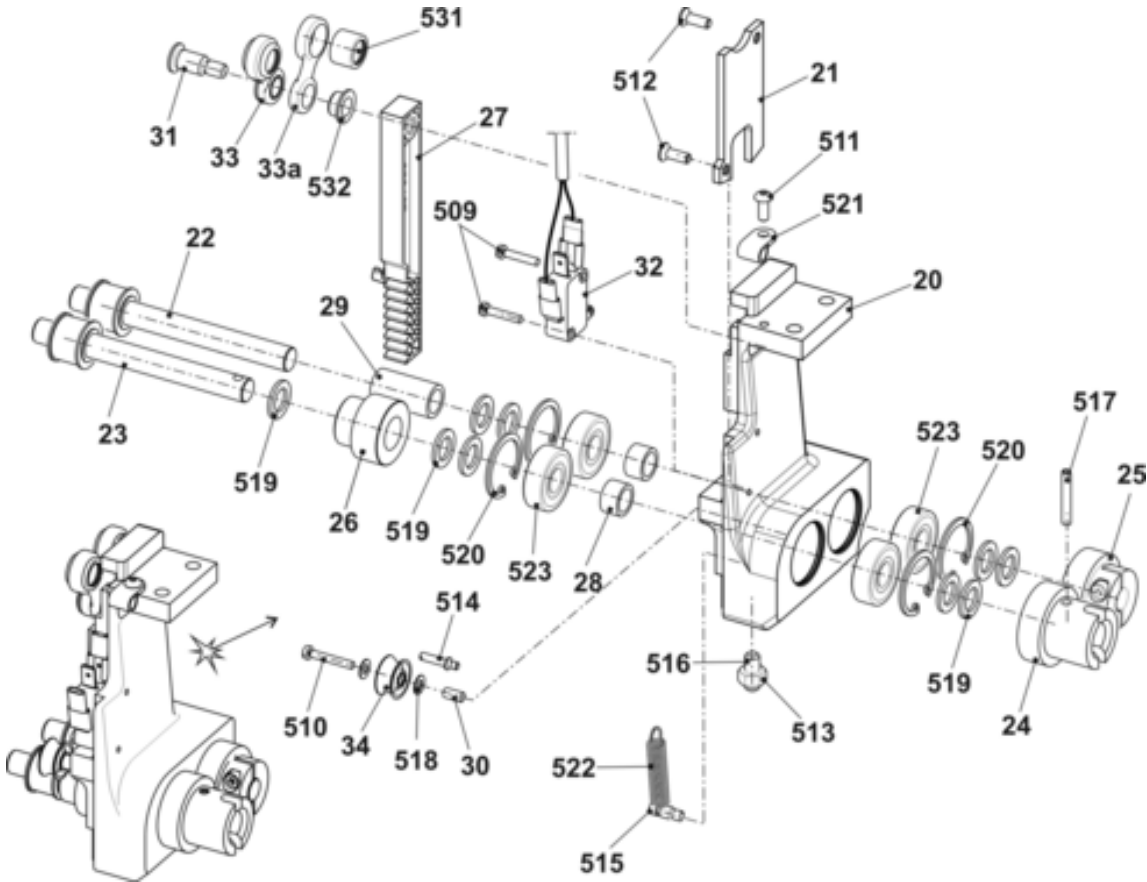
7.1 Auxiliary Take-down Values

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	Bolt	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

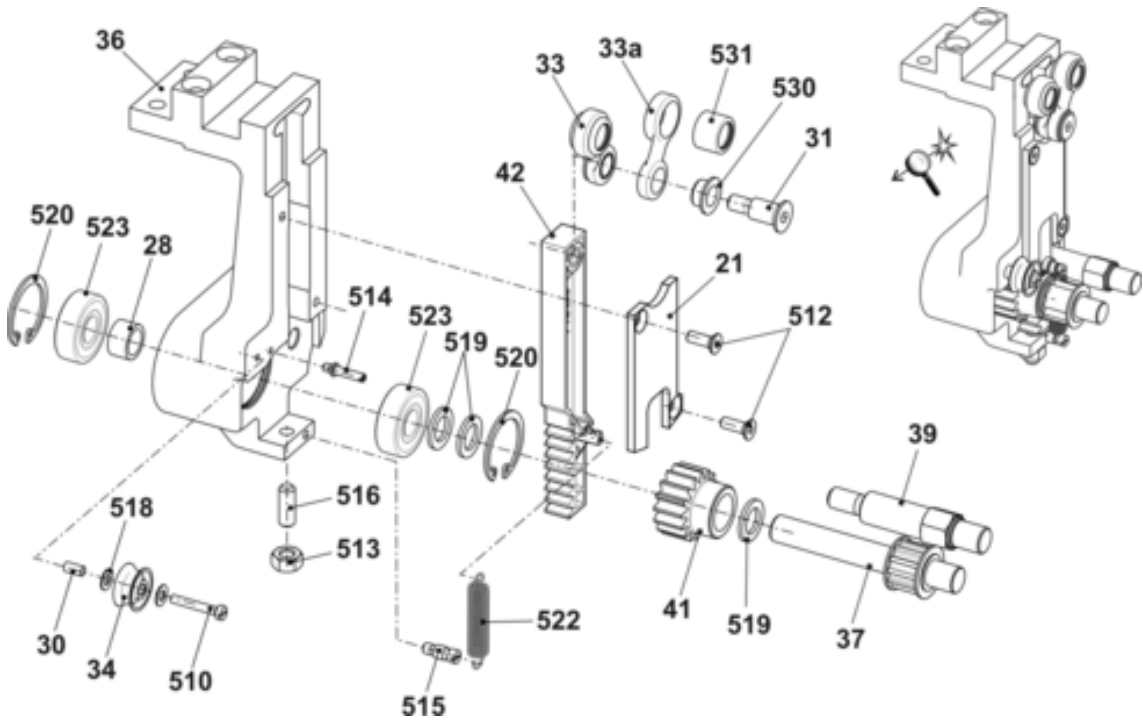
Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right complete	239 996	532	Slide bearing GFM-081014-06	023 358
20	Bearing block on the right	258 913	34	Roller deflector	218 805
21	Cover	257 466	500	Cap screw M3x16	022 560
22	Drive shaft complete	227 857	510	Cap screw M3x20	022 448
23	Drive shaft 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 nut M6-6	020 836
26	Gear wheel on the right complete	218 524	514	Threaded bolt with shoulder	243 226
27	Gear rack on the right	253 487	515	Shoulder screwM4x9x14	020 602
28	Threaded spacer	229 683	516	Setscrew M6x16-45	023 092
29	Sleeve	227 257	517	Spiral pin 4x24	023 544
30	Sleeve	239 997	518	Shim ring 4x8x0,5	023 384
31	Collar bolt	210 551	519	Shim ring 10x16x1,5	023 261
32	Cable with switch auxiliary take-downokc	243 142	520	Retaining 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 roller bearing HK1010	023 664	523	Grooved ball bearing 6000-2Z	022 599



7.3 Left bearing of the auxiliary take-down

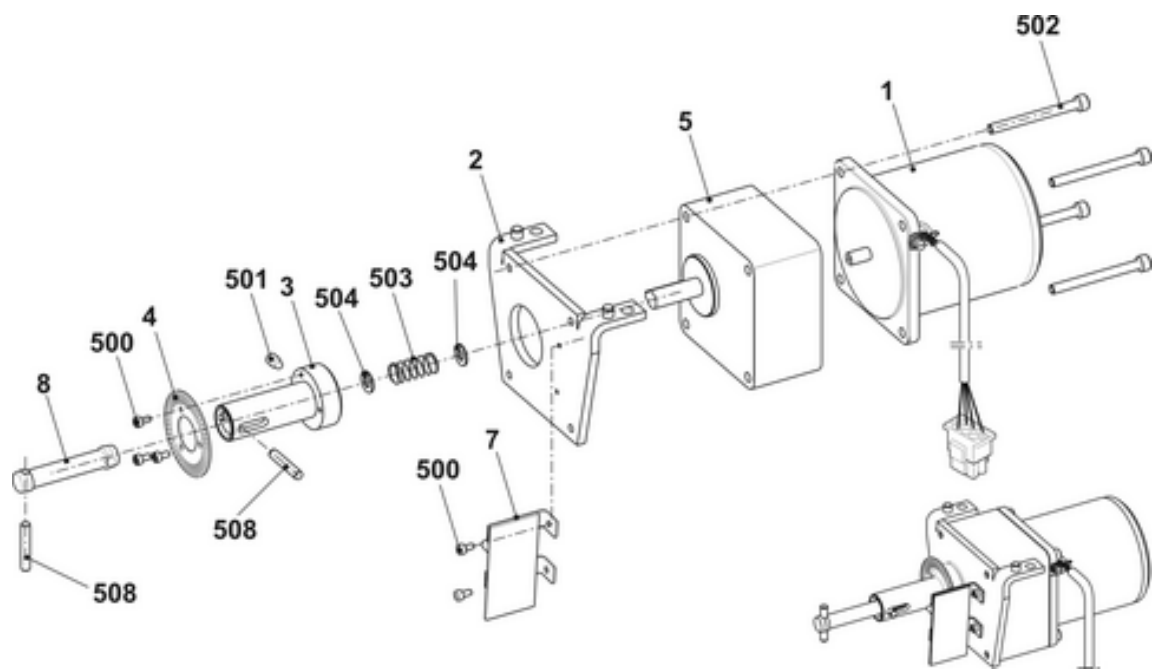
7.3 Left bearing of the auxiliary take-down

Pos	Designation		Id		Pos	Designation		Id
Σ	Bearing on the left		239 999		41	Gear wheel on the left complete		218 523
21	Cover		257 466		42	Gear rack on the left		253 488
28	Threaded spacer		229 683		510	Cap screw M3x20		022 448
30	Sleeve		239 997		512	Countersunk head screw M4x12		023 062
31	Collar bolt		210 551		513	Hexagon nut M6-6		020 836
33	Connecting rod complete		226 710		514	Threaded bolt with shoulder		243 226
	33a	Connecting rod	255 696		515	Shoulder screwM4x9x14		020 602
	530	Slide bearing GFM-081014-06	023 358		516	Setscrew M6x16-45		023 092
	531	Needle roller bearing HK1010	023 664		518	Shim ring 4x8x0,5		023 384
34	Roller deflector		218 805		519	Shim ring 10x16x1,5		023 261
36	Bearing block on the left		258 914		520	Retaining 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

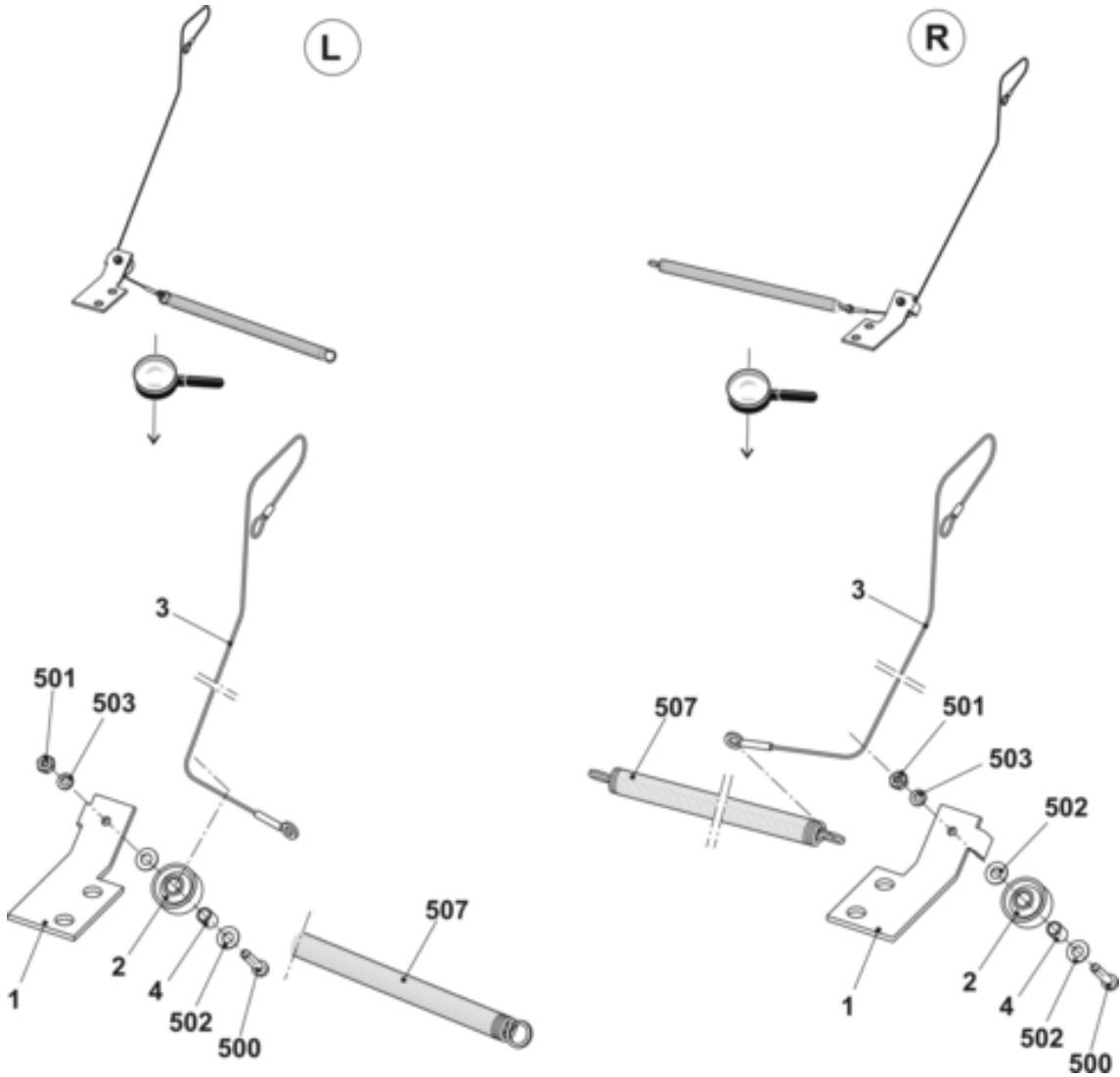
Pos	Designation	Id		Pos	Designation	Id
Σ	Motor auxiliary take-down complete	214 449		8	Wave	219 025
1	Motor auxiliary take-down	213 871		500	Cap screw M3x6	022 589
2	Motor bracket	218 040		501	Setscrew M6x10	023 543
3	Drive sleeve	219 024		502	Cap screw M5x55	023 321
4	Impulse disc	218 449		503	Compression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



7.5 Metal angle on the left and right complete

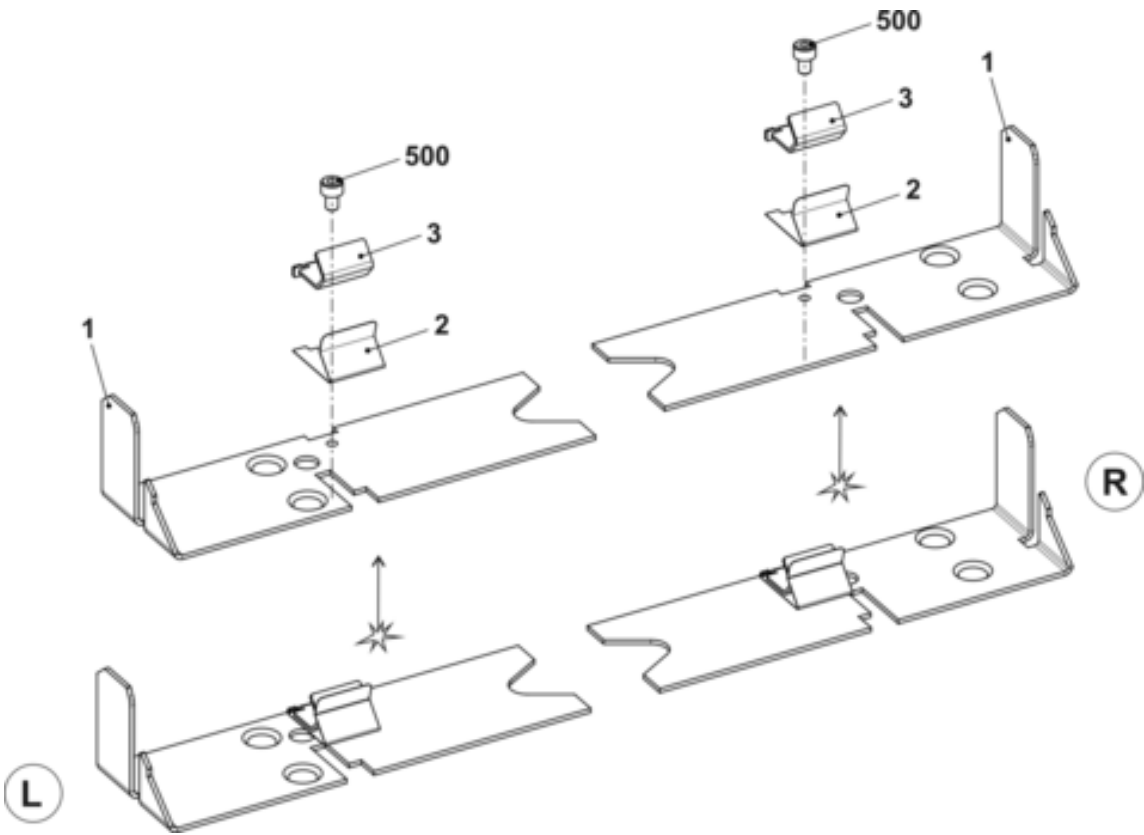
7.5 Metal angle on the left and right complete

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 screw M3x16	022 560		500	Cap screw M3x16	022 560
501	Hexagon nut M3-6	022 564		501	Hexagon nut M3-6	022 564
502	Shim ring 4x8x0,5	023 384		502	Shim ring 4x8x0,5	023 384
503	Spring washerA3	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

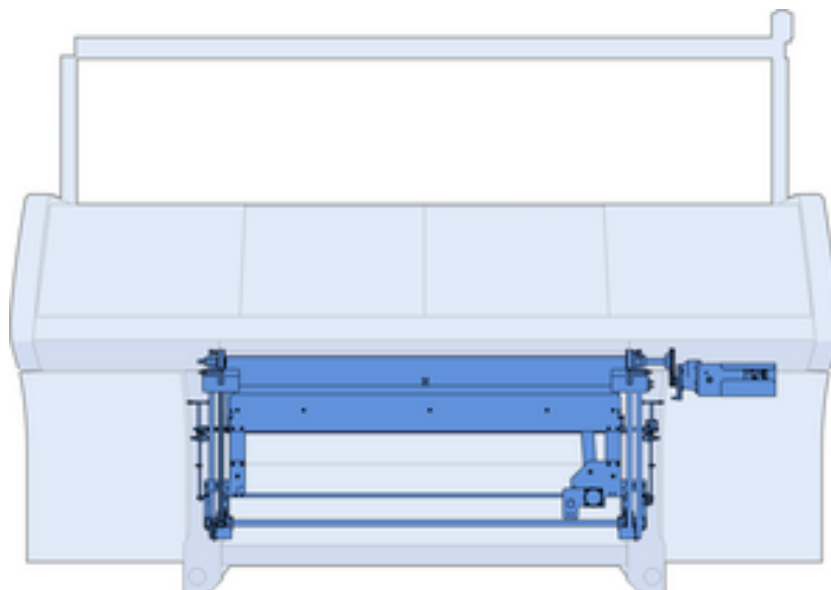
Pos	Designation	Id		Pos	Designation	Id
Σ L	Yarn brake on the left	256 740		Σ R	Yarn brake on the right	256 715
1	Cover on the left	256 739		3	Cover on the right	256 714
2	Leaf spring	256 712		1	Leaf spring	256 712
3	Test clamping plate	256 713		2	Test clamping plate	256 713
500	Cap screw M4x6	023 067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



7.6 Yarn brake at clamping and cutting bed

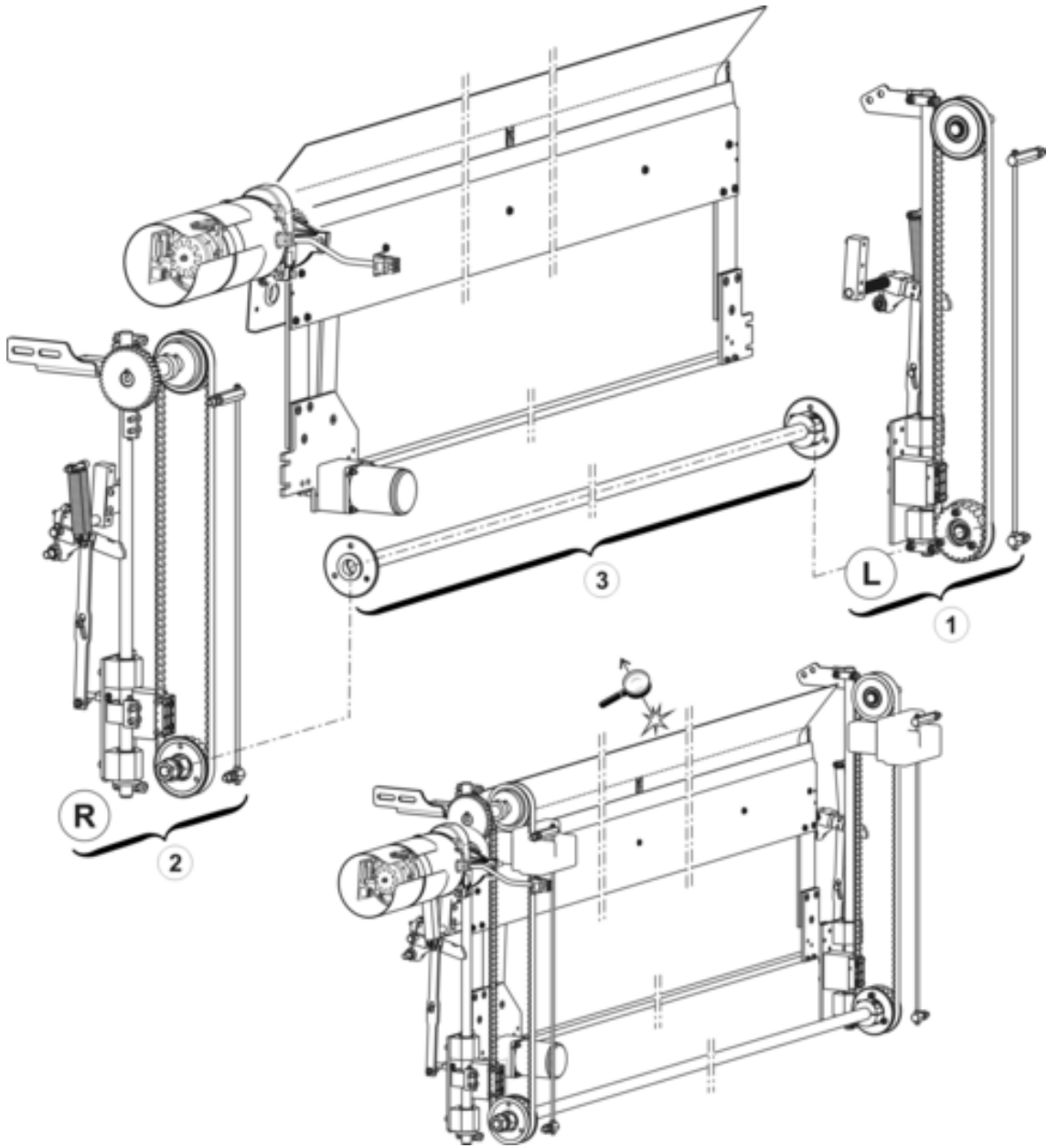
Notes:

8 Comb take-down



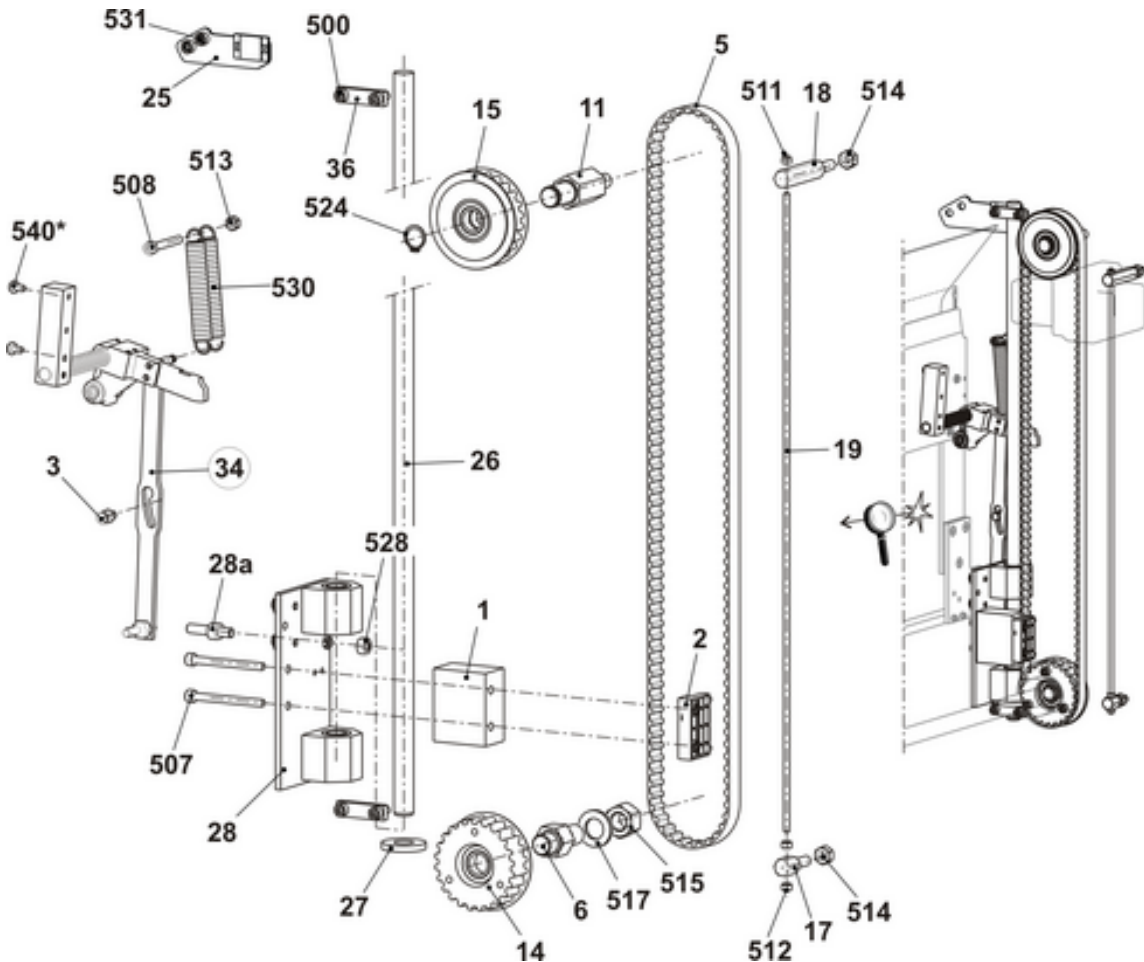
8.1 Comb take-down

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

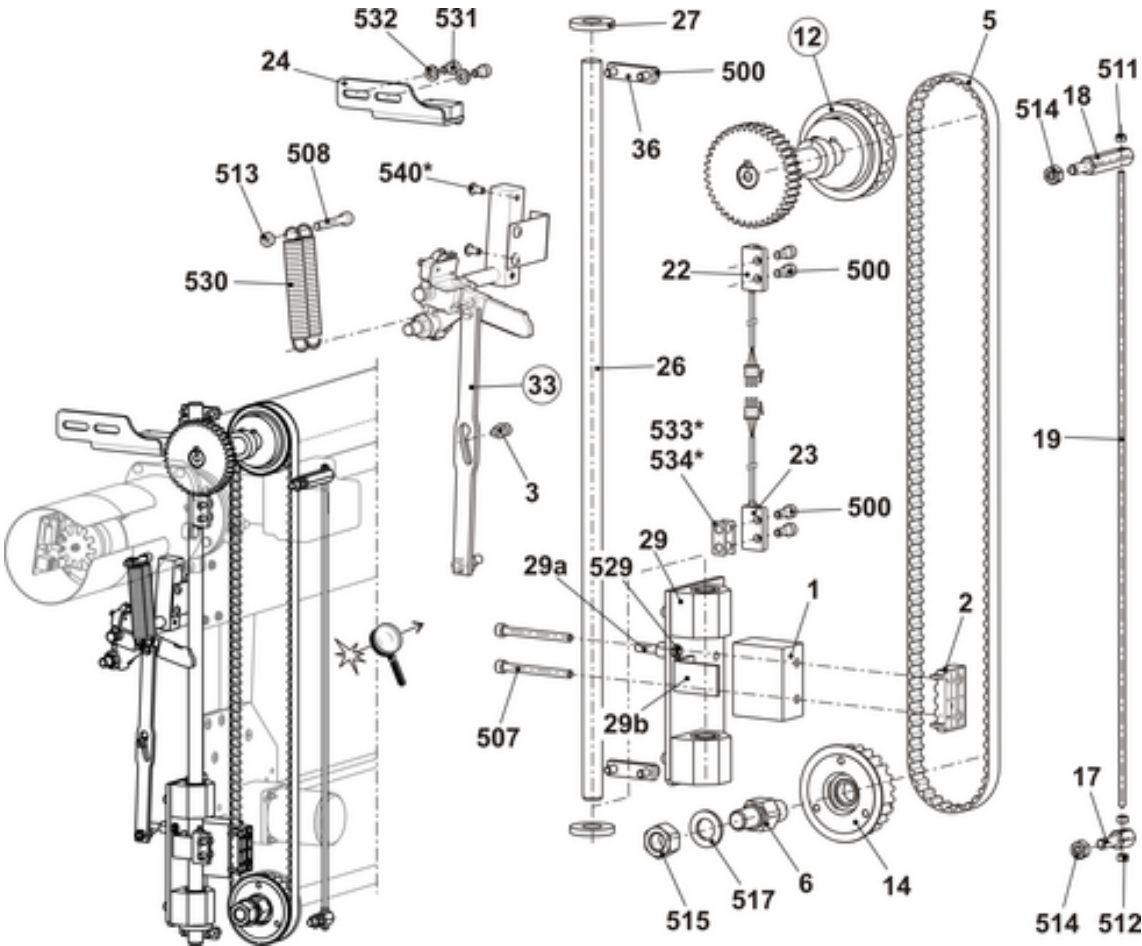
Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the left	256 834			
1	Clamping piece	209 379		528 Hexagon nut M8-6	020 838
2	Pressure plate	241 967	34	Swivel lever on the left	252 859
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric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

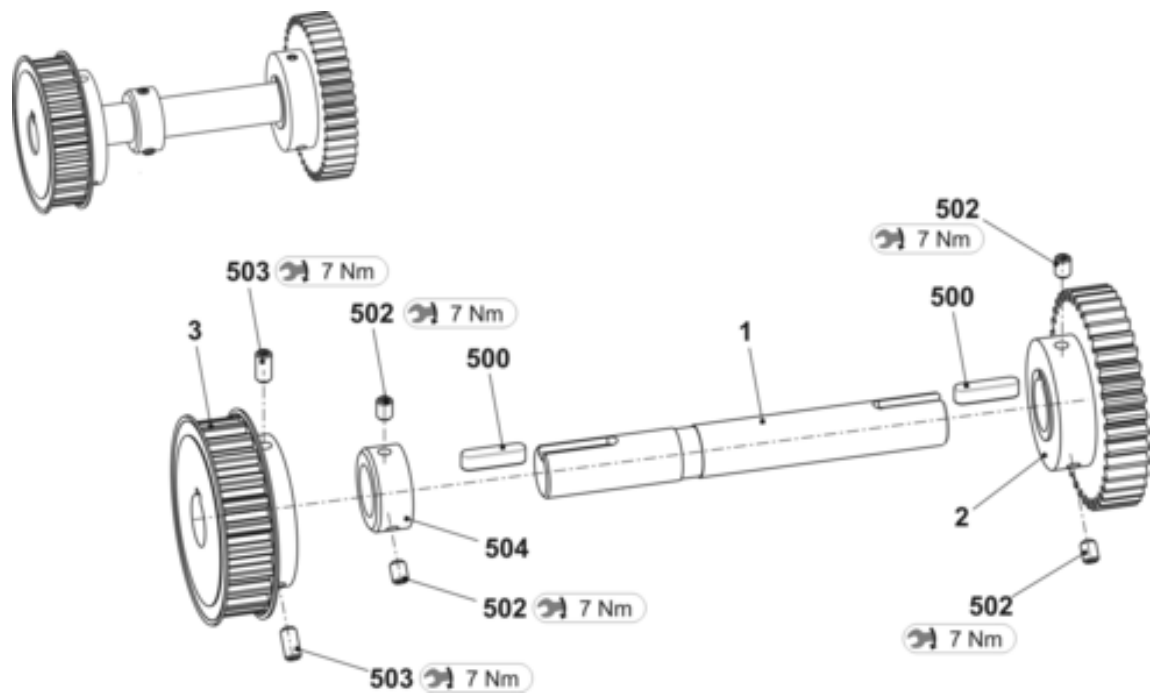
8.3 Comb take-down on the right

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

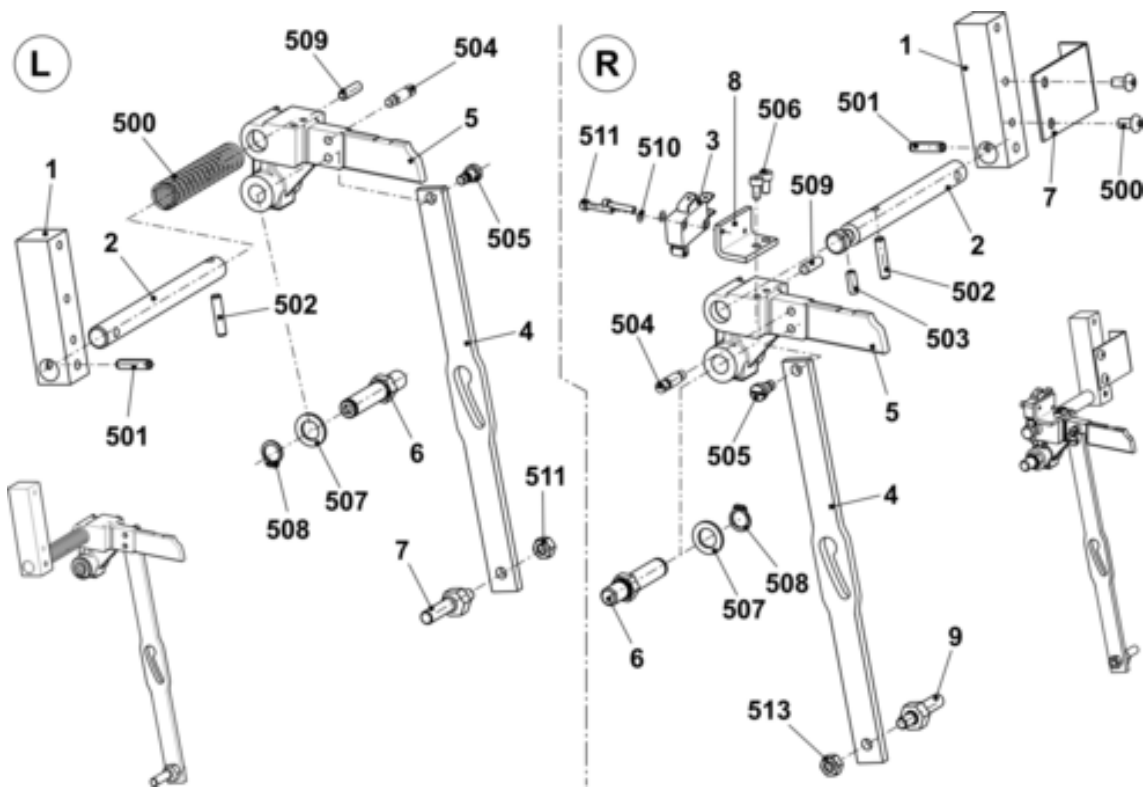
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive shaft comb complete	214 583				
1	Shaft	213 969		500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744		502	Setscrew M6x8	022 684
	Always order position 502 additionally			503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394		504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



8.3 Comb take-down on the right

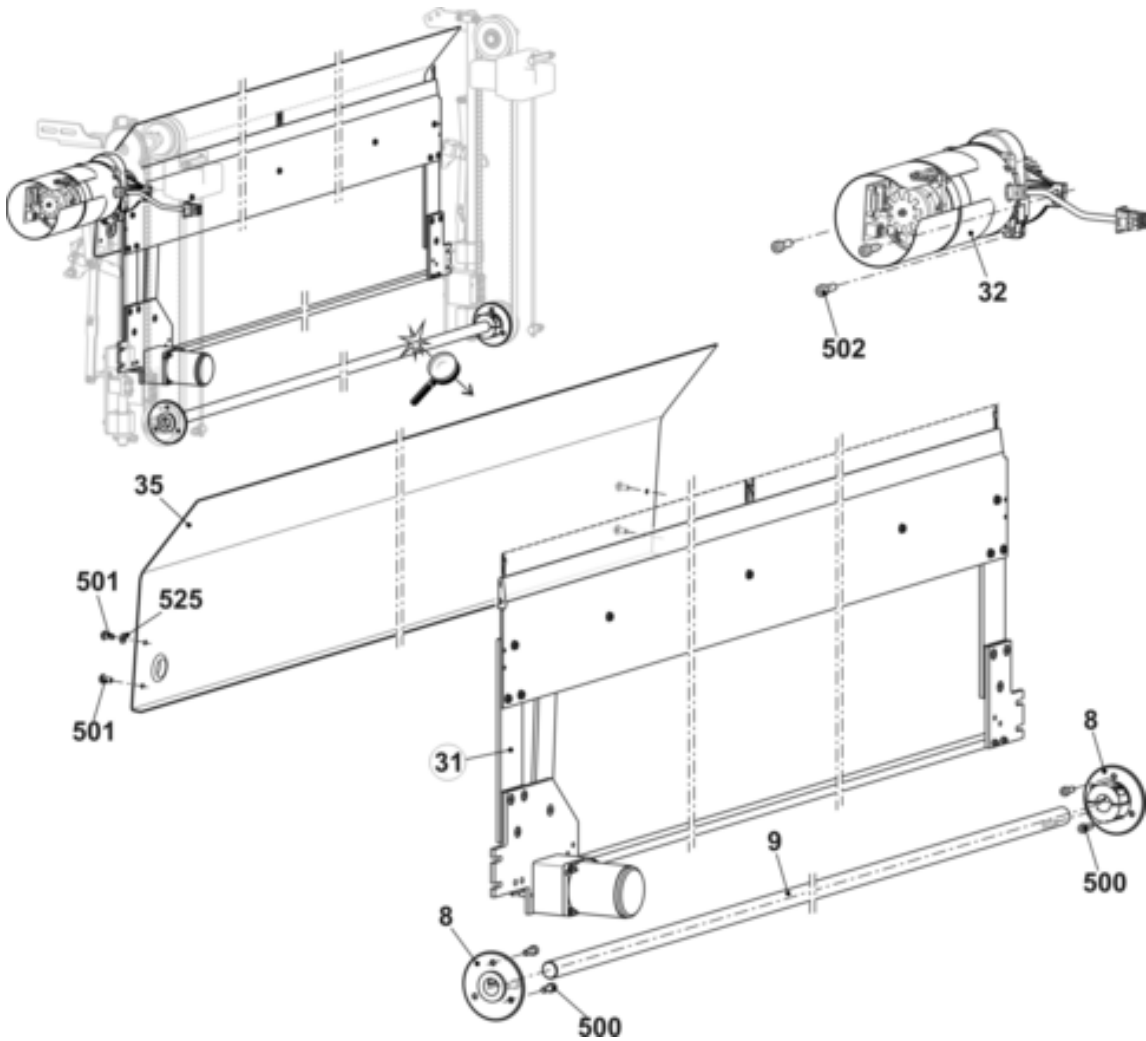
8.3.2 Swivel lever comb take-down

Pos	Designation	Id		Pos	Designation	Id
Σ L	Swivel lever on the left	252 859		3	Microswitch	026 259
1	Support	252 780		4	Plunger	255 650
2	Shaft	223 994		5	Swivel lever	239 248
4	Plunger	255 650		6	Bolt	214 053
5	Swivel lever	239 248		7	Angle	224 009
6	Bolt	214 053		8	Angle	238 304
7	Eccentric bolt	255 651		9	Eccentric bolt	255 651
500	Compression spring 1,4x13,6x93	023 572		500	Pan-head screw M5x10	023 247
501	Spring dowel sleeve Iso8752-5x20	020 794		501	Spring dowel sleeve 5x20	020 794
502	Dowel pin5x22	023 716		502	Dowel pin5x22	023 716
504	Shoulder screwM5x29x35	251 618		503	Spring dowel sleeve 5x12	020 793
505	Shoulder screw M5x5,8x6,2	023 365		504	Shoulder screwM5x29x35	251 618
507	Washer10	020 884		505	Shoulder screw M5X5,8X6,2	023 365
508	Retaining ring	020 950		506	Cap screw M4x8	022 501
509	Shoulder screw M5x12x18	020 539		507	Washer10	020 884
511	Hexagon nut M8-6	020 838		508	Retaining ring10x1	020 950
				509	Shoulder screwM5X12X18	020 539
Σ R	Swivel lever on the right	252 858		510	Cap screw M3x16	022 583
1	Support	252 780		511	Washer3	020 877
2	Shaft	238 339		513	Hexagon nut M8-6	020 838



8.4 Comb take-down in the middle

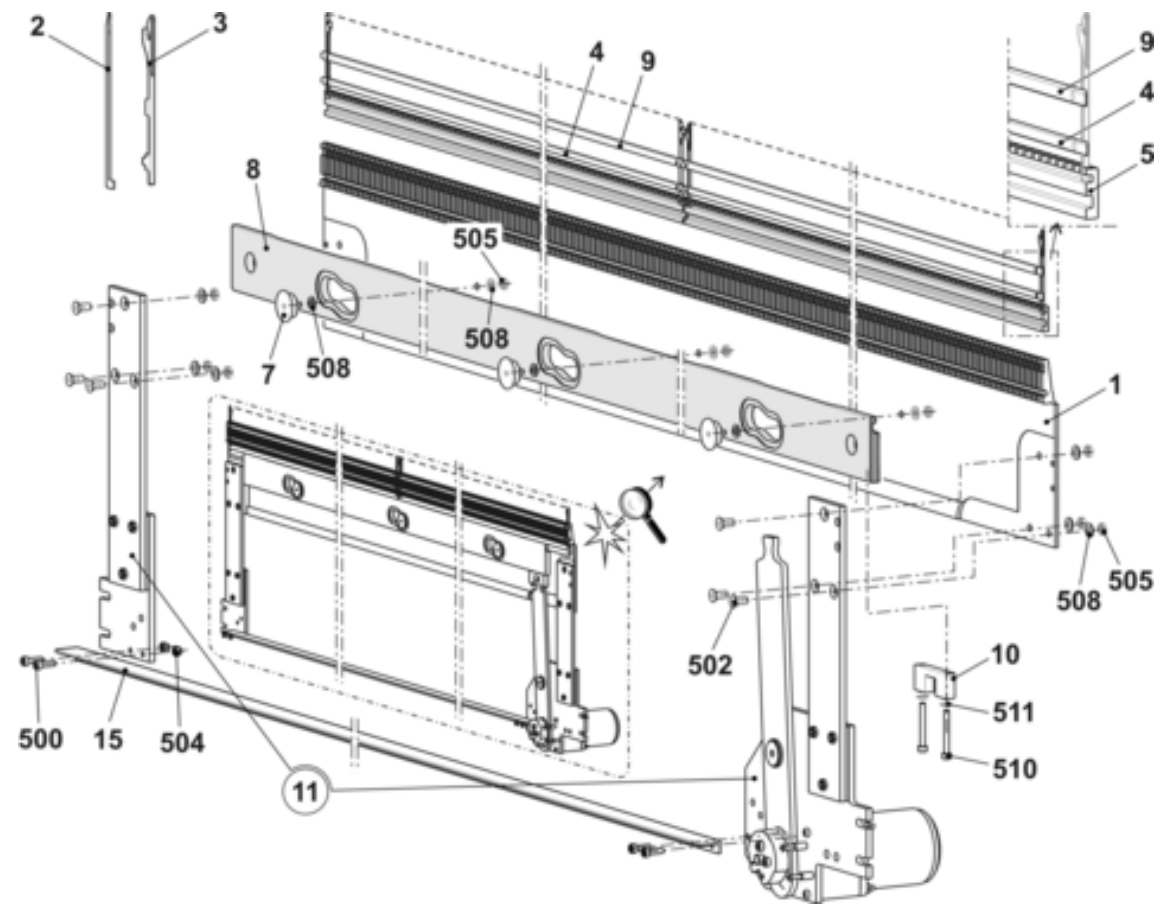
Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down in the middle		31	Comb unit	
	E3	253 622		E3	243 626
	E7 (E3,5)	253 587		E3,5+7 (E3,5)	241 531
	E8 (E4)	253 588		E4+8 (E4)	241 532
8	Flange	207 695	32	Motor take-down unit complete	253 803
9	Shaft long	213 968	35	Marking plate open	259 237
500	Cap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

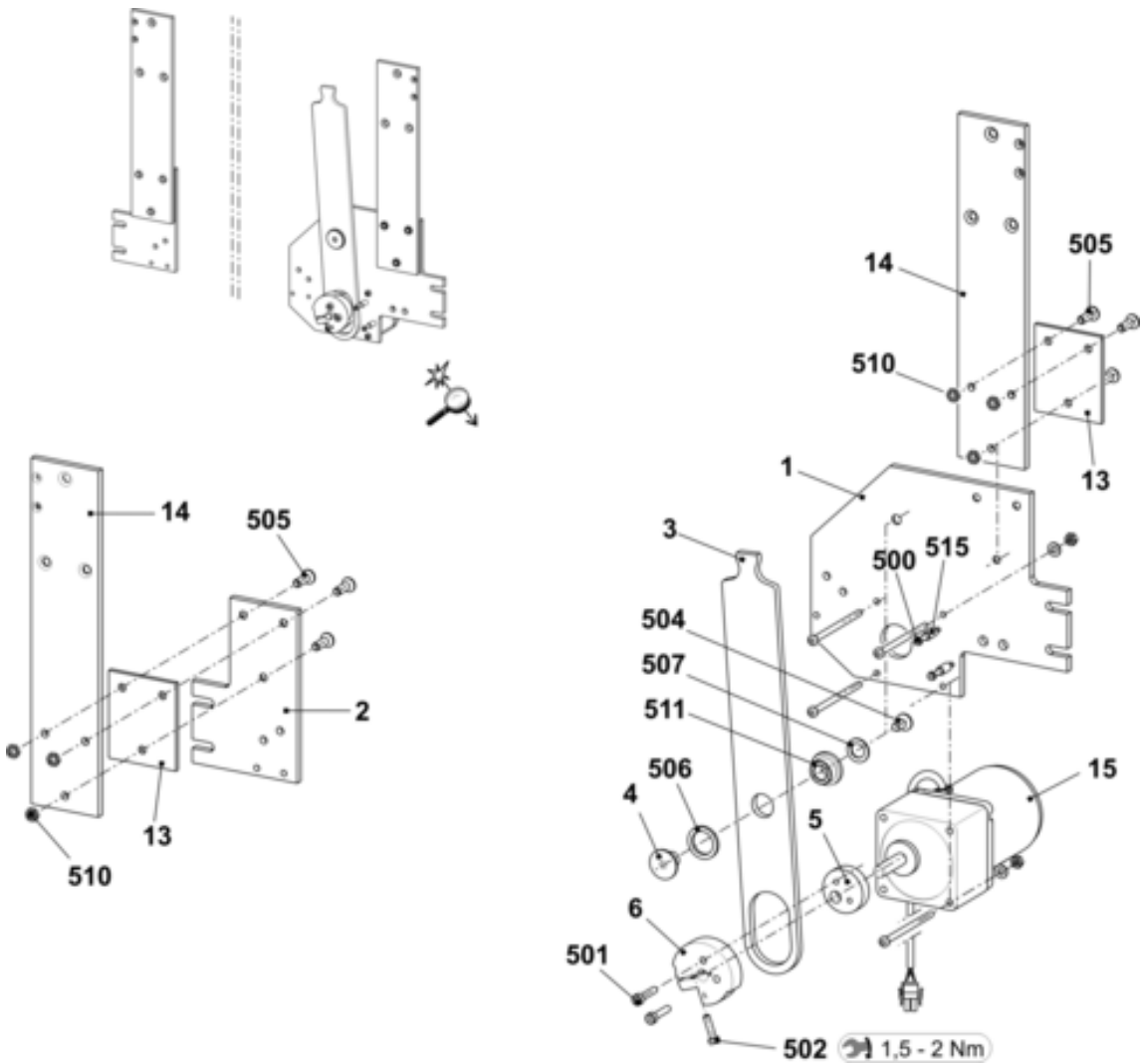
8.4.1 Comb unit

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	263 892
	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

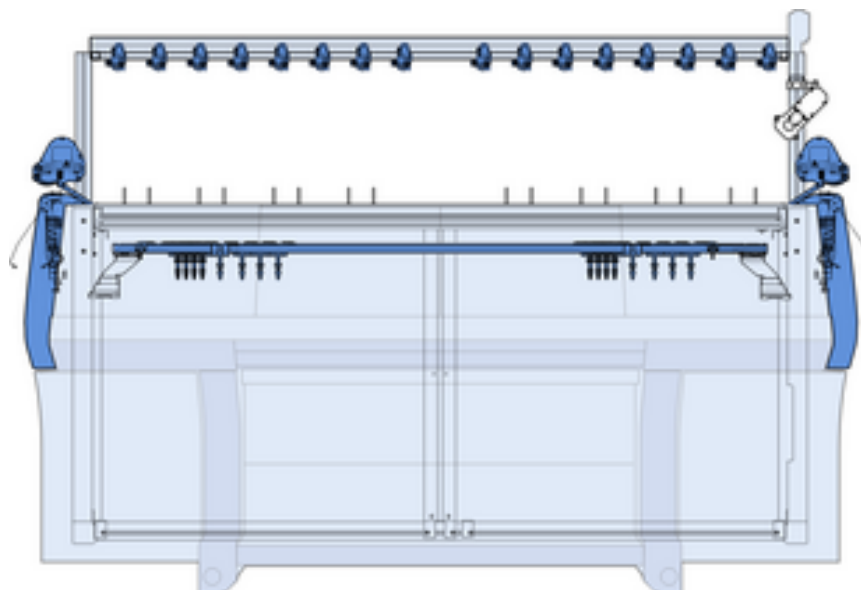
Pos	Designation	Id		Pos	Designation	Id
Σ	Switching lever complete	240 060		500	Cap screw M3x25	023 093
1	Screw-on plate on the right	240 058		501	Cap screw M4x20	023 171
2	Screw-on plate on the left	240 059		502	Cap screw M4x16	023 123
3	Lever	215 228		504	Pan-head screw M6x12	023 435
4	Bearing bolt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



8.4 Comb take-down in the middle

Notes:

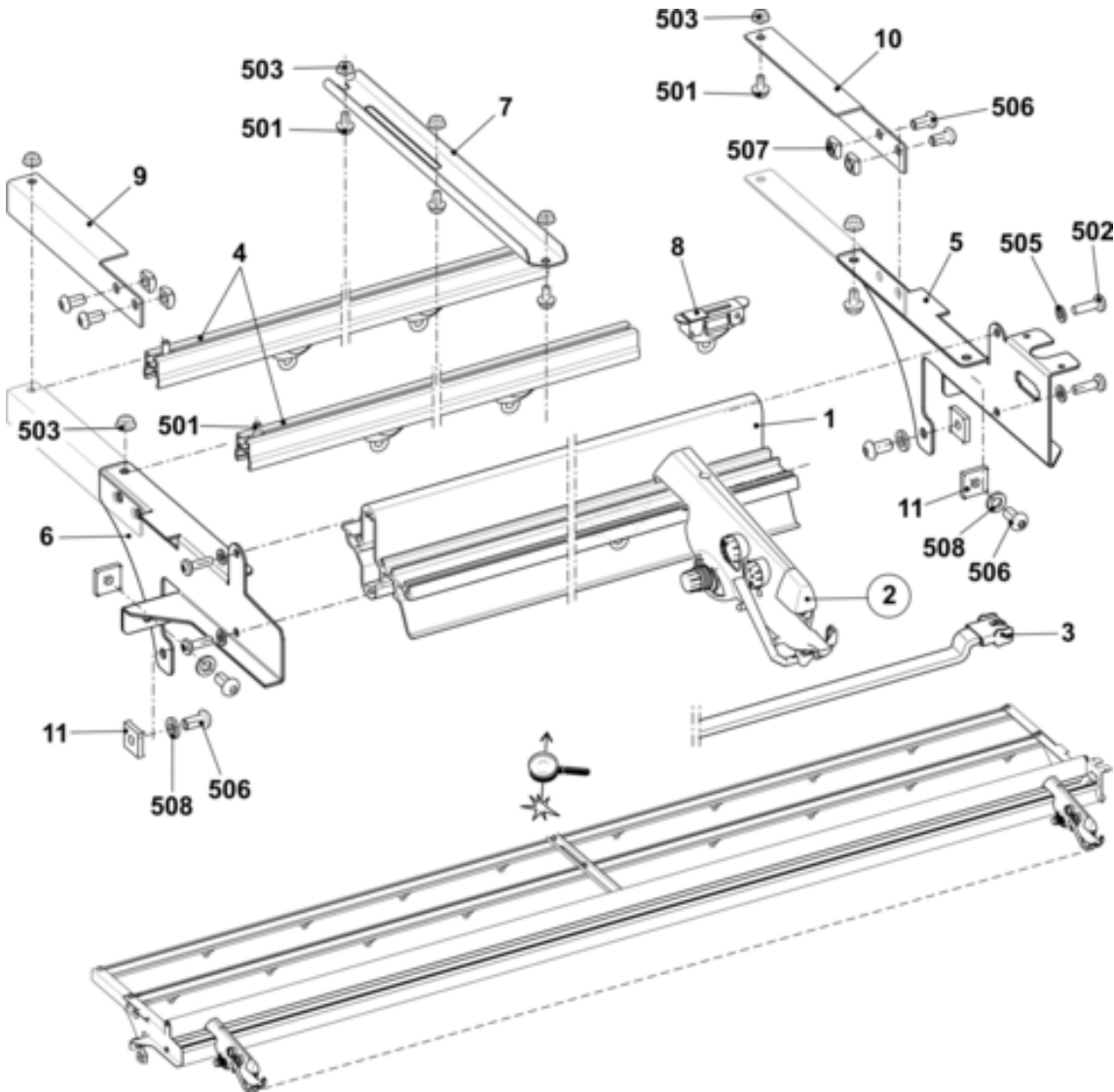
9 Yarn delivery device



9.1 Yarn guide system with 24 FKE

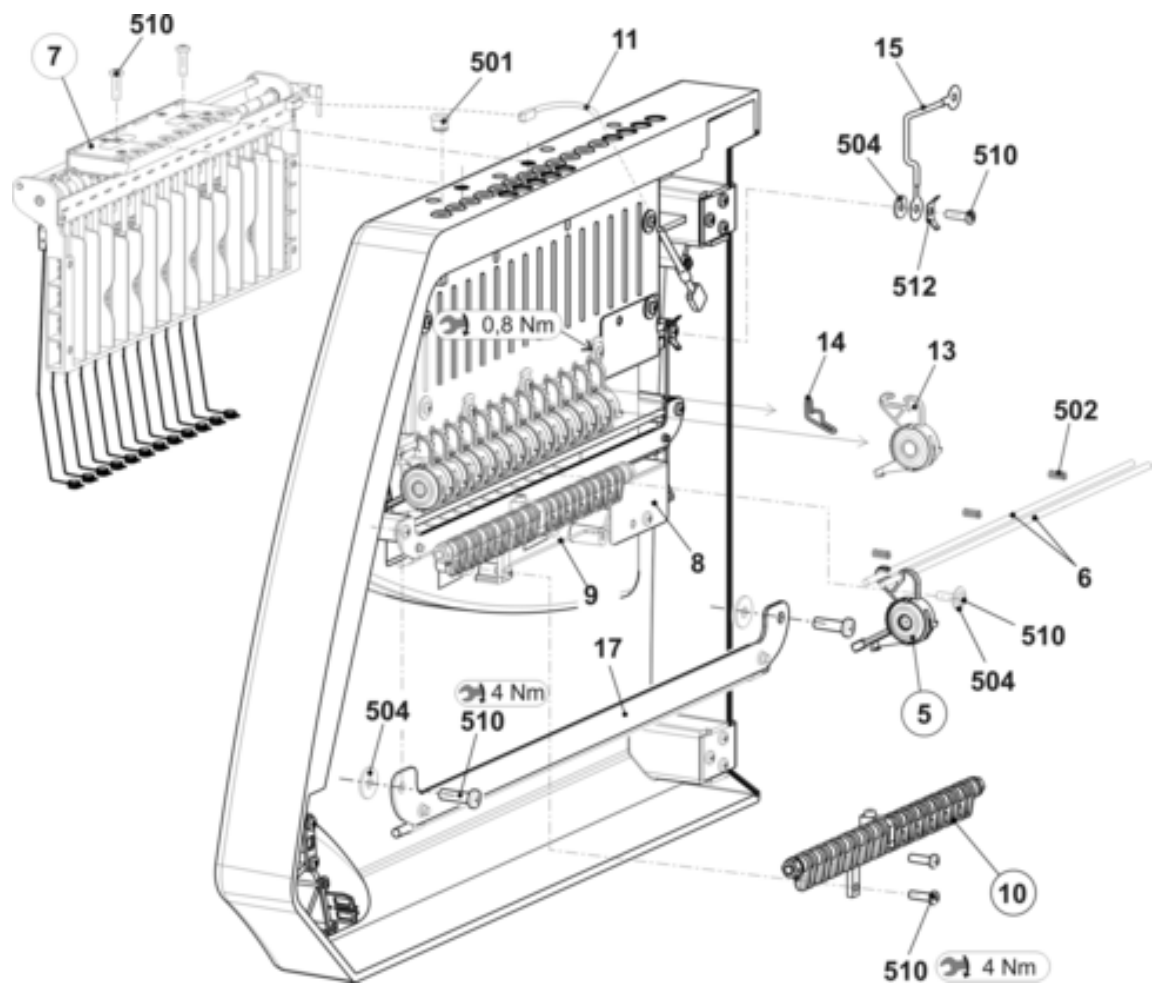
9.1 Yarn guide system with 24 FKE

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide device 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

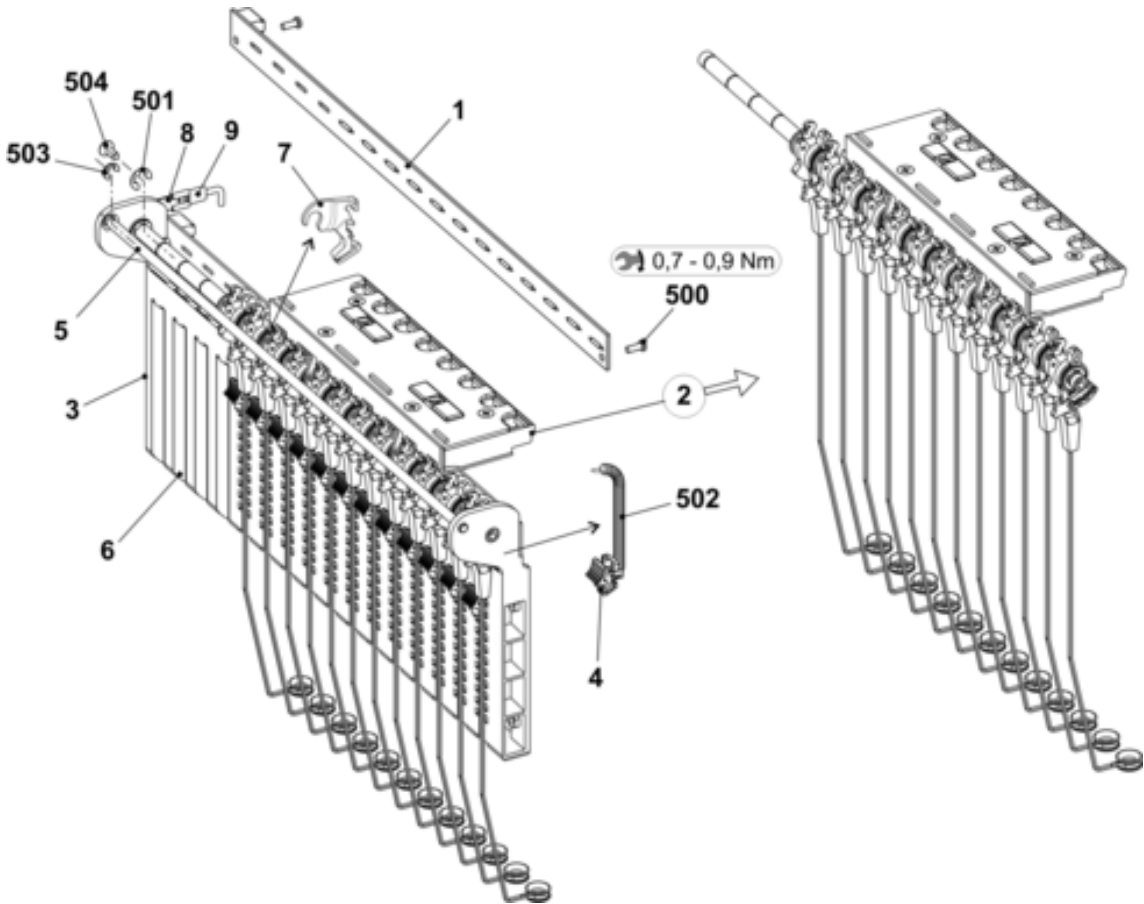
Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete E3-4	262 430			
5	Yarn brake completeE3-4	262 429	14	Clamping bow	244 409
6	Shaft	241 318	15	Ground cable	244 404
7	Yarn tensioner on the left complete E3-5	241 363	17	Stop bar on the left complete	258 454
8	Cover	240 783	501	Ceramic eyelet	240 640
9	Wire bow on the leftE3-4	262 435	502	Compression spring 0,90x5,40x13,60	241 360
10	Yarn deflector completeE3-4	262 437	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

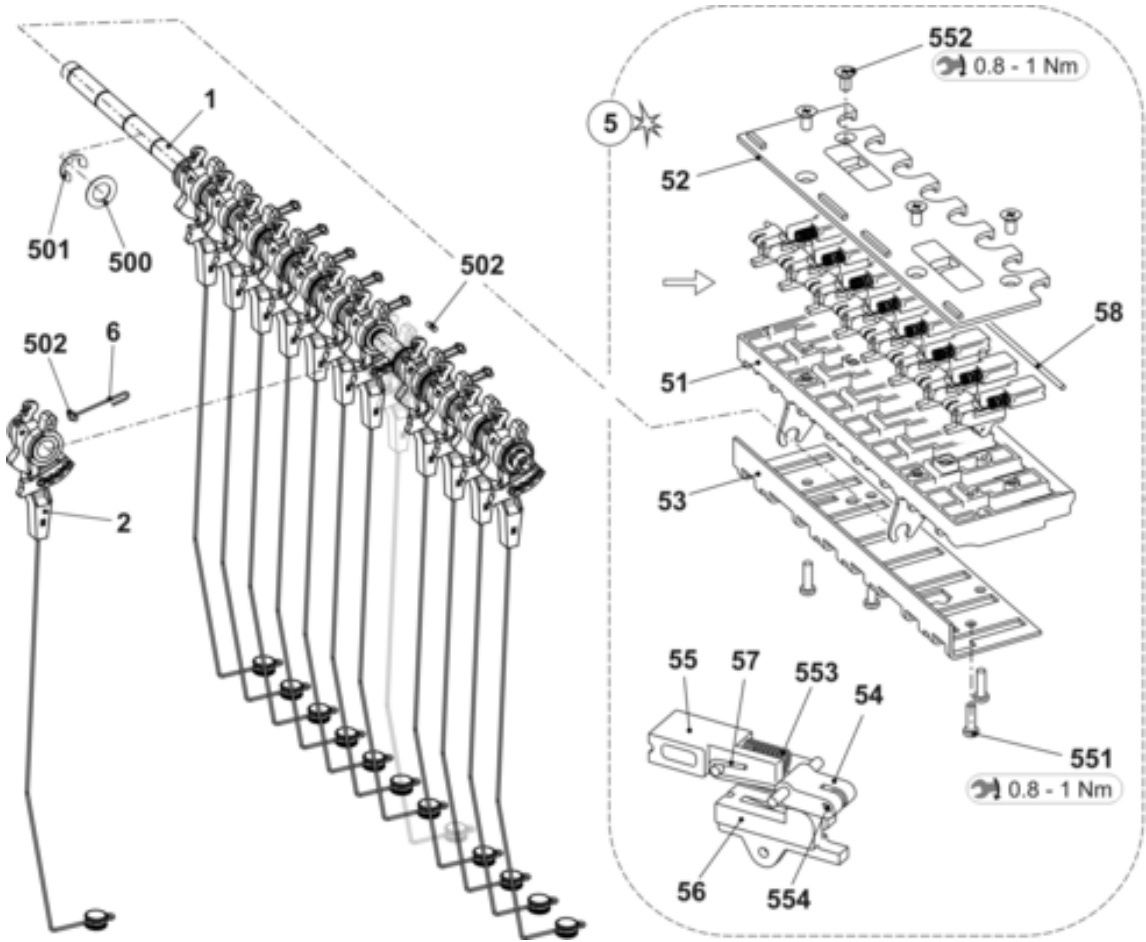
9.2.1 Yarn tensioner on the left E3 | E3,5 | E4

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

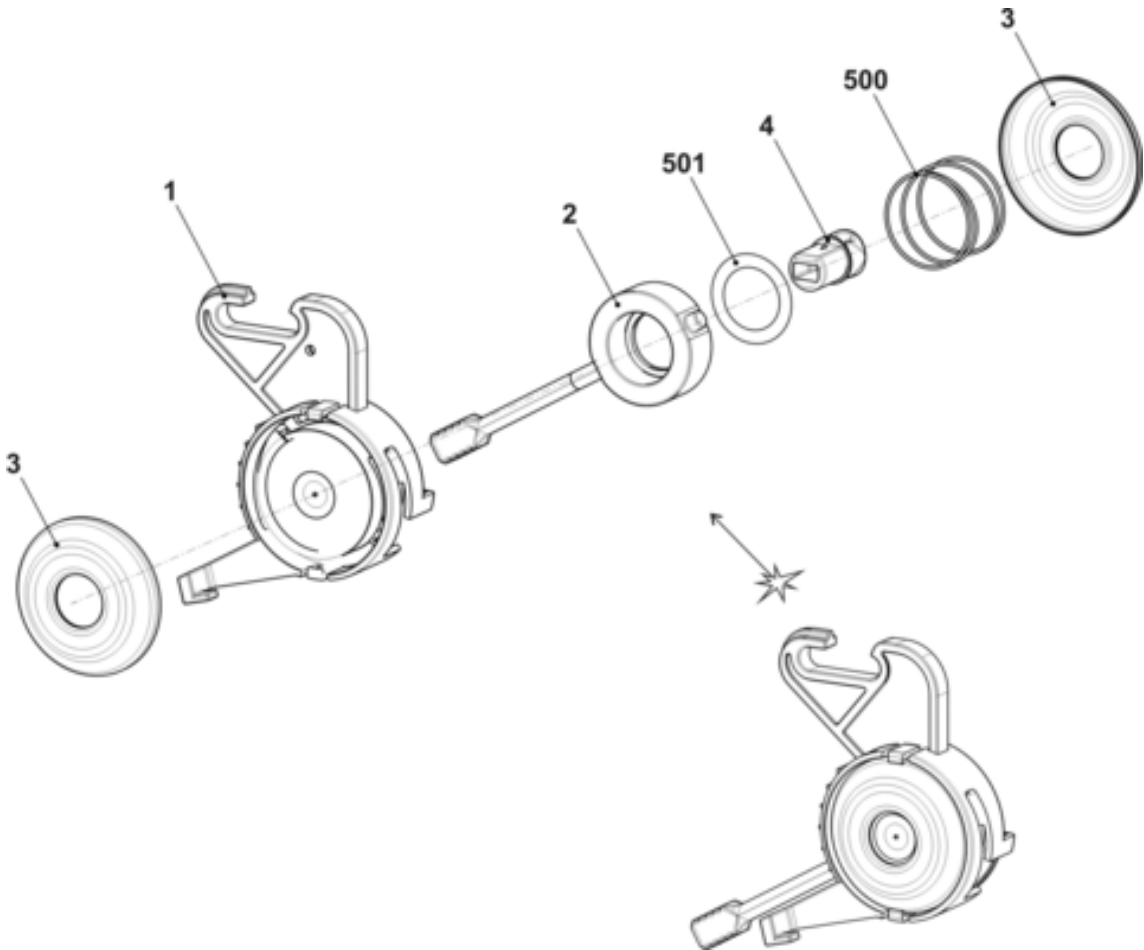
Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle on the left complete E3-6	241 366				
1	Axle	243 107		56	SliderAKF	238 691
2	Tension arm pre-assembledE3-8	258 557		57	Wire bow	238 694
6	Wire bow	238 694		58	Wire	237 940
5	Thread clamp AKF	238 695		551	Screw KB 35x12	237 681
	51	HousingAKF	238 689	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

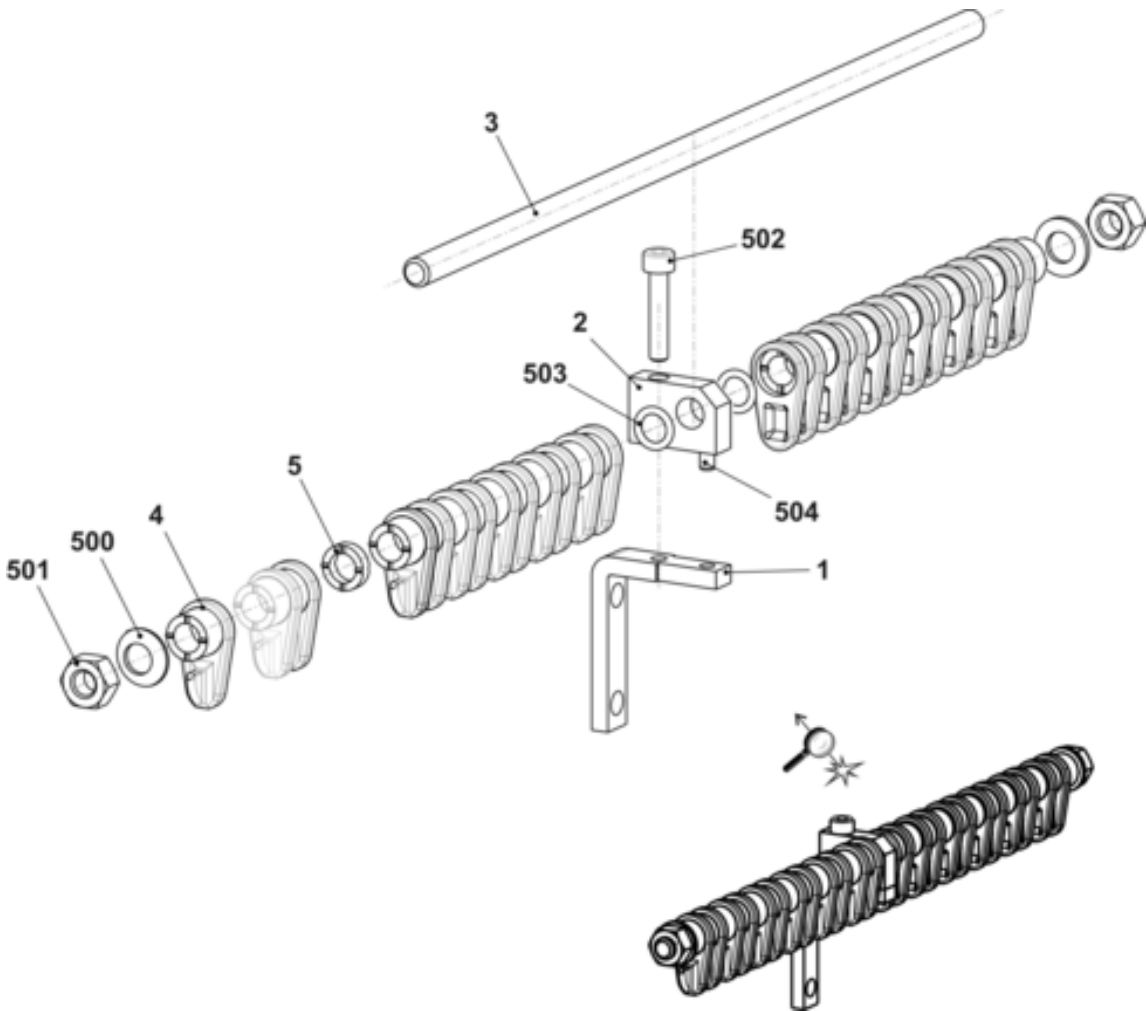
9.2.3 Yarn brake

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn brake complete E3-4	262 429				
1	Support	240 607		4	Ceramic eyelet open	262 271
2	Slider	240 606		500	Compression spring 0,65x20,15x14,80	241 361
3	Brake disk	244 355		501	O-ring 11x2	241 434



9.2.4 Yarn deflector

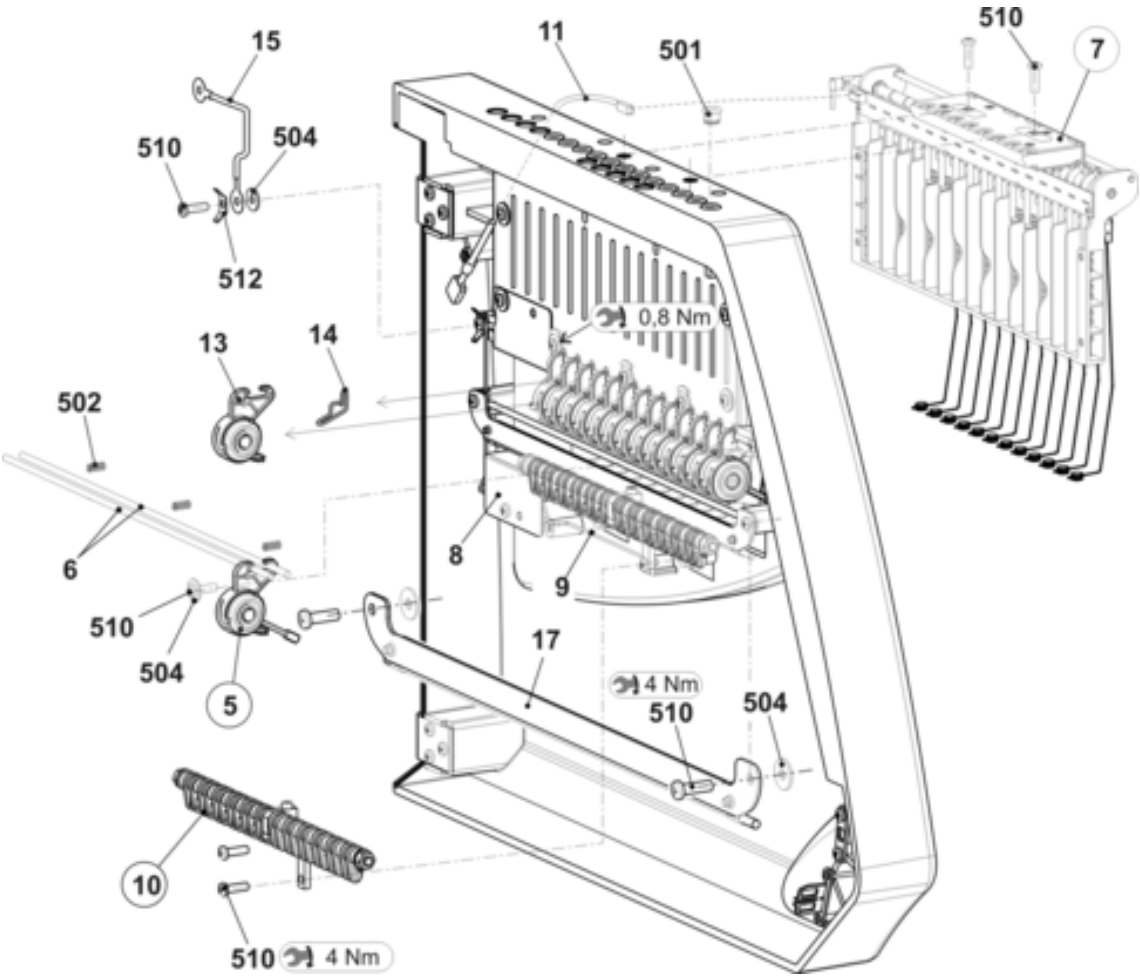
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn deflector completeE3-4	262 437				
1	AngleE3-4	262 439		500	Washer 8	022 854
2	Fastening piece E3-4	262 440		501	Hexagon nut M8-6	020 838
3	AxleE3-4	262 441		502	Cap screw M5x25	023 523
4	Yarn carrier MH10 E3-4	262 391		503	O-ring 8x2	262 438
5	Distance bushingE3-4	262 445		504	Dowel pin10-A	023 753



9.3 Right yarn guide

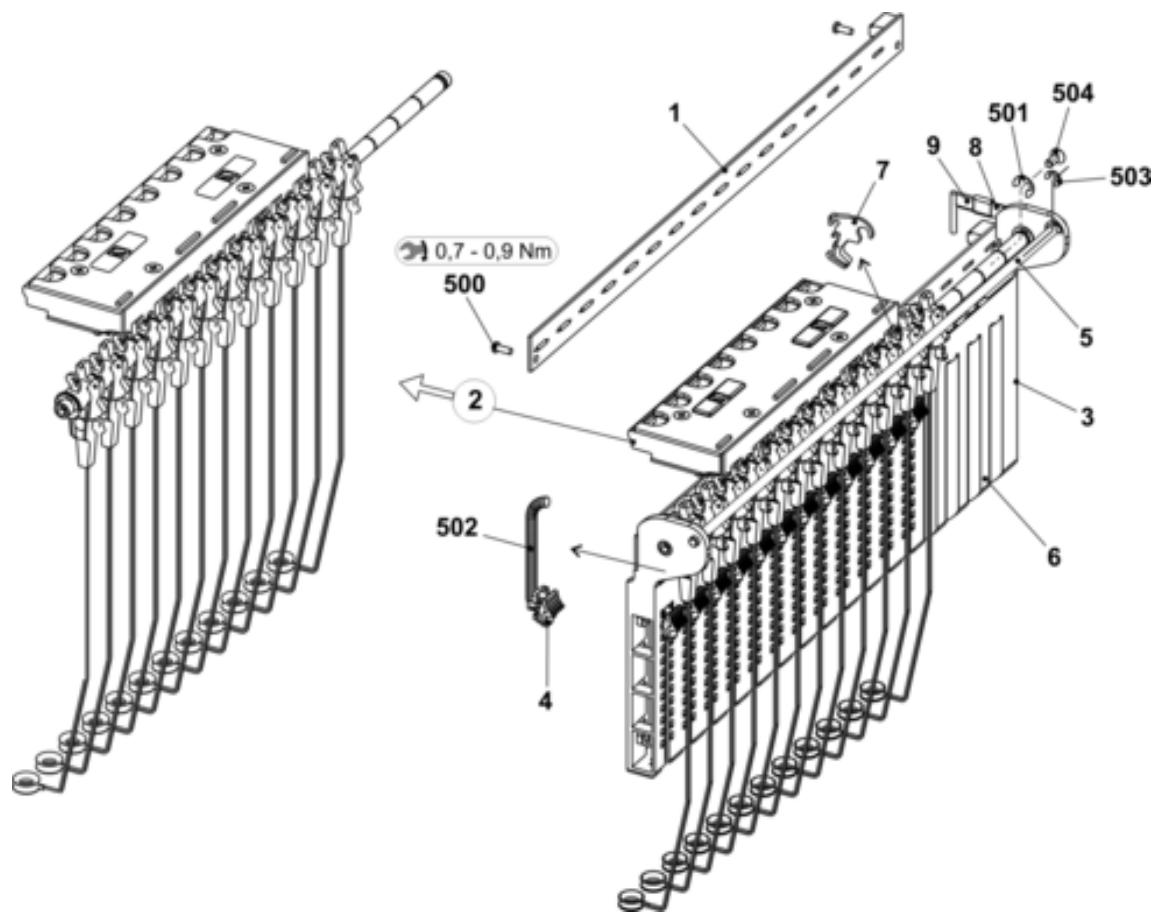
9.3 Right yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete E3-4	262 431			
5	Yarn brake completeE3-4	262 429	14	Clamping bow	244 409
6	Shaft	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 rightE3-4	262 436	502	Compression spring 0,90x5,40x13,60	241 360
10	Yarn deflector completeE3-4	262 437	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



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

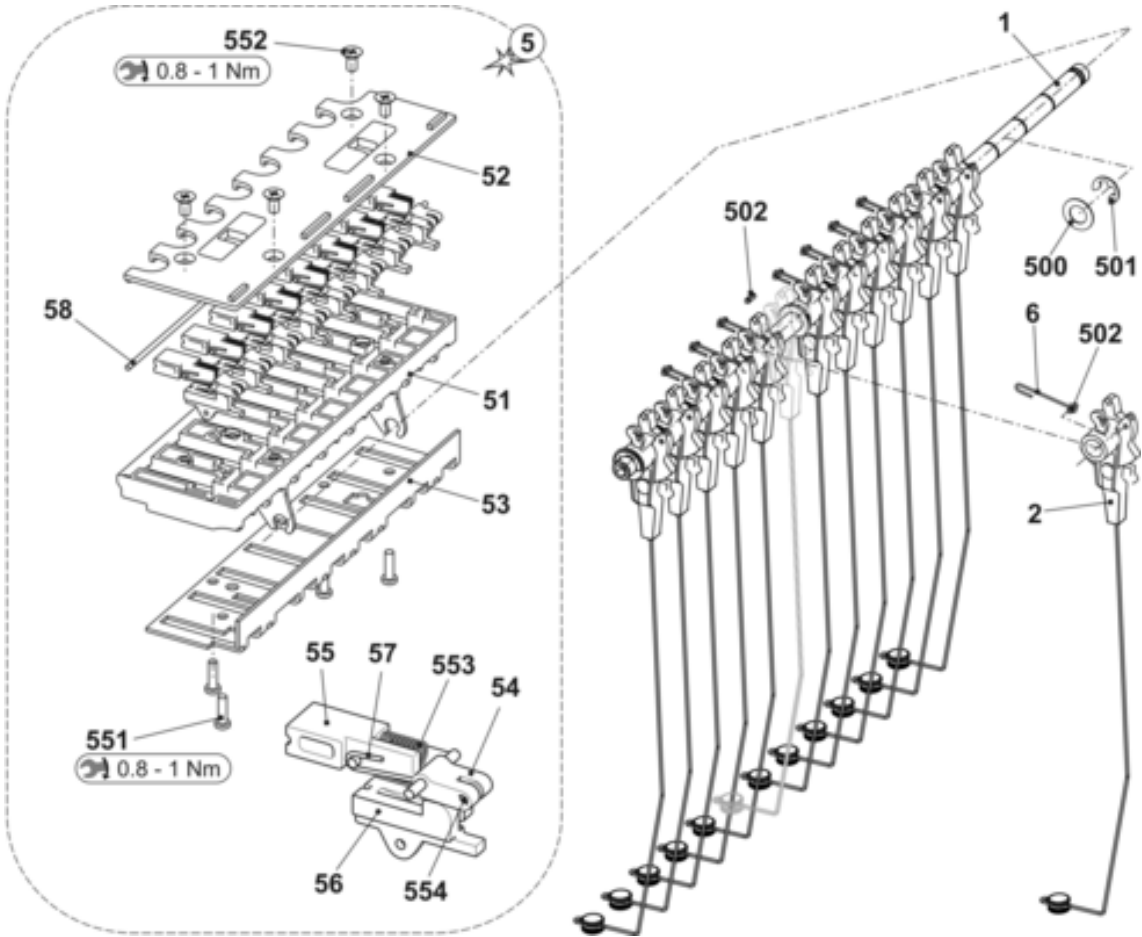
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the rightE3 – E5	241 382				
1	Card yarn tensioner 16-fold on the right	241 346		8	Grounding plate of tension axle	243 121
2	Tension axle on the right completeE3 – E8	241 379		9	Ground cable yarn tensioner okc	243 105
3	Housing	241 367		500	Screw 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 Right yarn guide

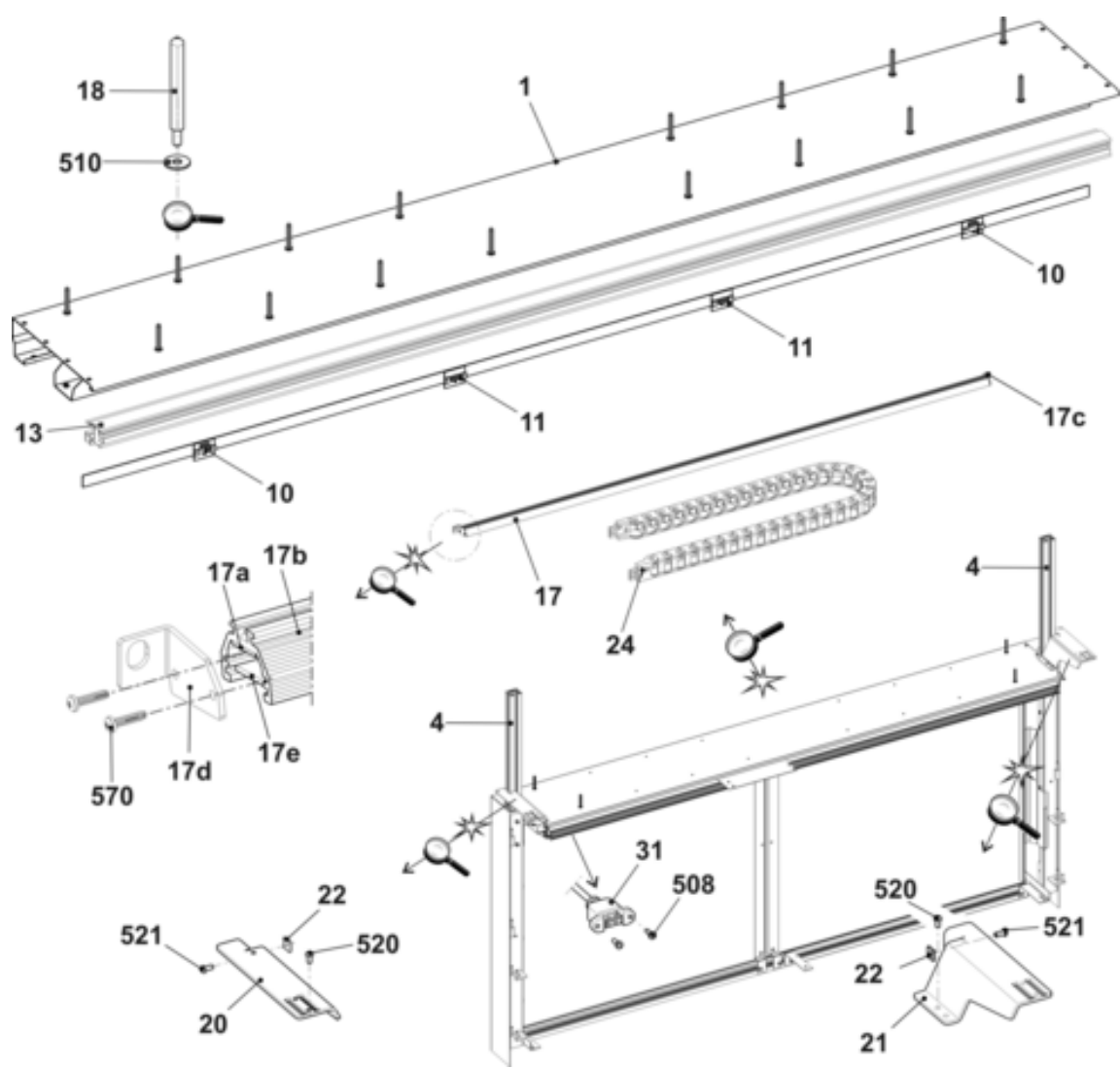
9.3.2 Right tension axle

Pos	Designation	Id. no.		Pos	Designation	Id. no.
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

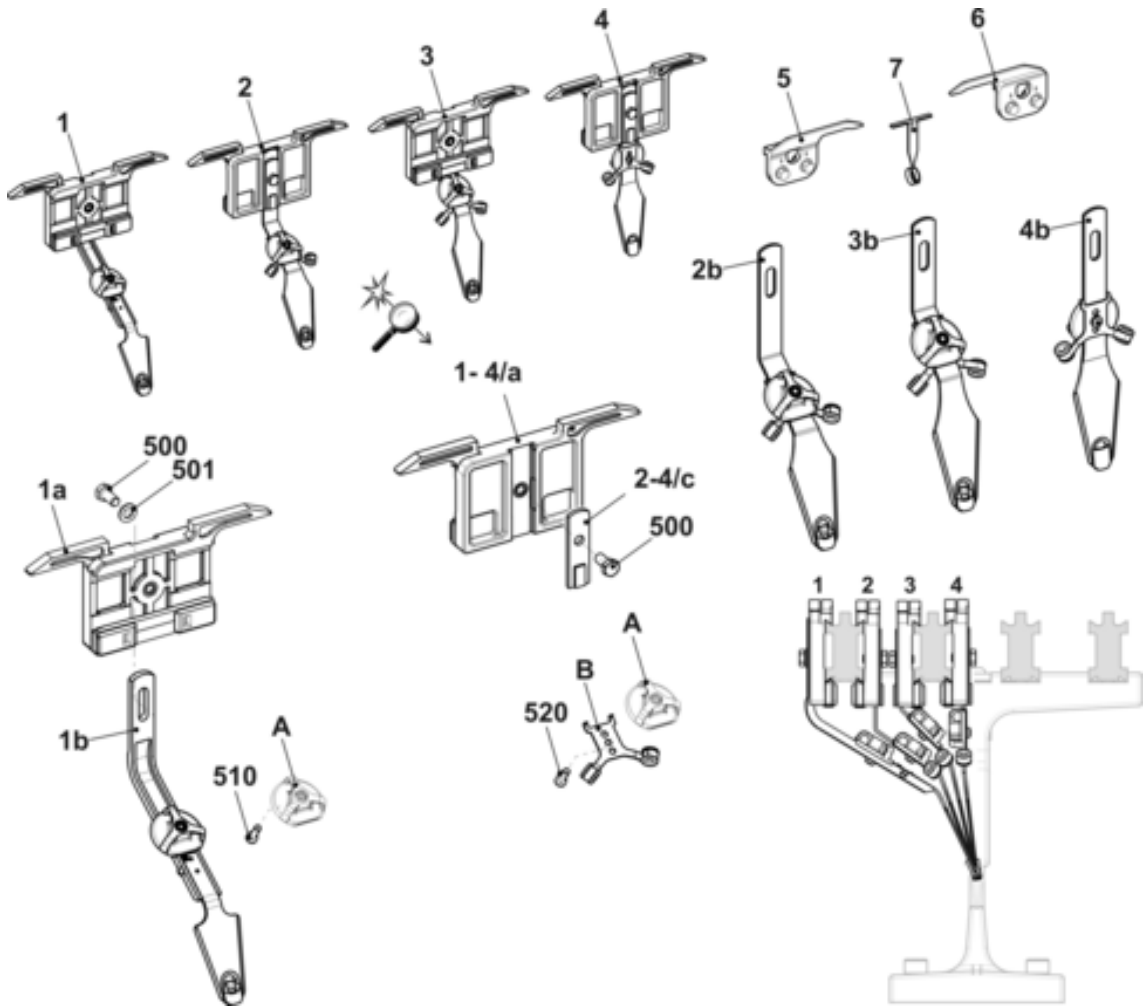
Pos	Designation	Id	Pos	Designation	Id
Σ	Table complete50"	240 241			
1	Table	251 244		570	Sheet metal screw ST2,2x9,5-F 263 824
4	Support element	228 594	18	Positioning pin	204 819
10	Magnet switch safety door	219 983	20	Support of left feed wheel	250 966
11	Magnet switch safety door	220 159	21	Support of right feed wheel	250 967
13	Guide rail at the top complete	257 485	22	Slot nut	228 851
17	Lamp LED complete1200	263 648	24	Energy chain display 38 links	253 888
17a	Card LED-module	263 642	31	Cable USB extension	253 706
17b	Support profile of lamp	263 644	508	Pan-head screw M3x8	023 251
17c	Support right	263 645	510	Washer	020 901
17d	Support on the left	263 646	520	Pan-head screw M8x16	023 113
17e	Cover	263 647	521	Pan-head screw M8x18	251 331



9.5 Carriage of yarn carrier

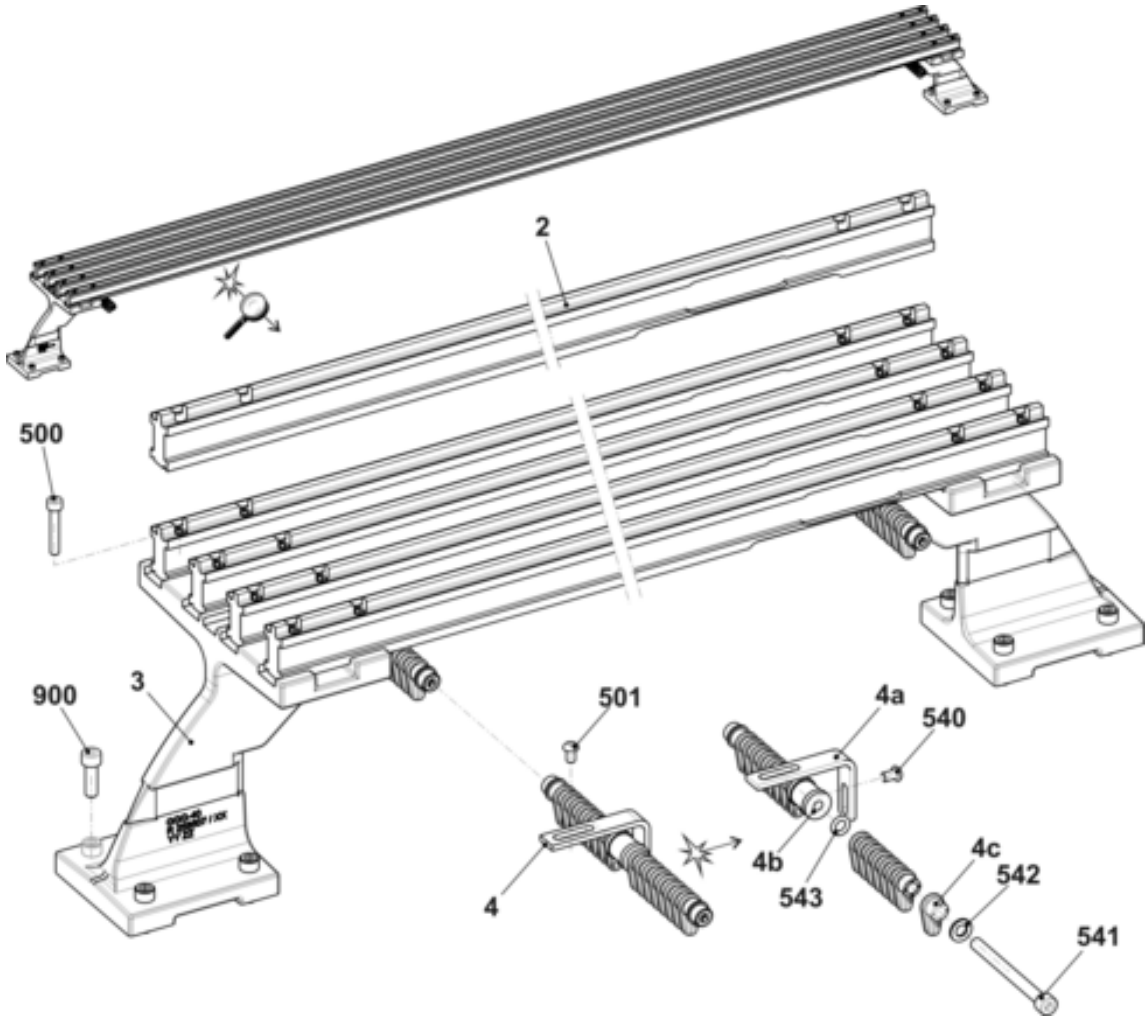
9.5 Carriage of yarn carrier

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn guide complete	262 422		1-4/a	FF carriage complete	241 887
1	FF carriage 1+8 complete E3-4m.3L	217 486		1b	FF bow 1+8 complete E3-4	216 266
2	FF carriage 2+7 complete E3-4m.3L	262 386		2b	FF bow 2+7 complete E3-4m.3L	262 383
3	FF carriage 3+6 complete E3-4m.3L	262 387		3b	FF bow 3+6 complete E3-4m.3L	262 384
4	FF carriage 4+5 complete E3-4m.3L	262 388		4b	FF bow 4+5 complete E3-4m.3L	262 385
5	Limiter on the left	244 099		2-4/c	Shim	213 035
6	Limiter on the right	244 098		A	Yarn guide star	202 146
7	Slider with eyelet	230 709		B	Yarn guide star complete	262 036
500	Hexagon screw M5x10	020 351		510	Pan-head screw M3x12	023 033
501	Washer 8	259 666		520	Pan-head screw M3x10	023 032



9.6 Bar unit

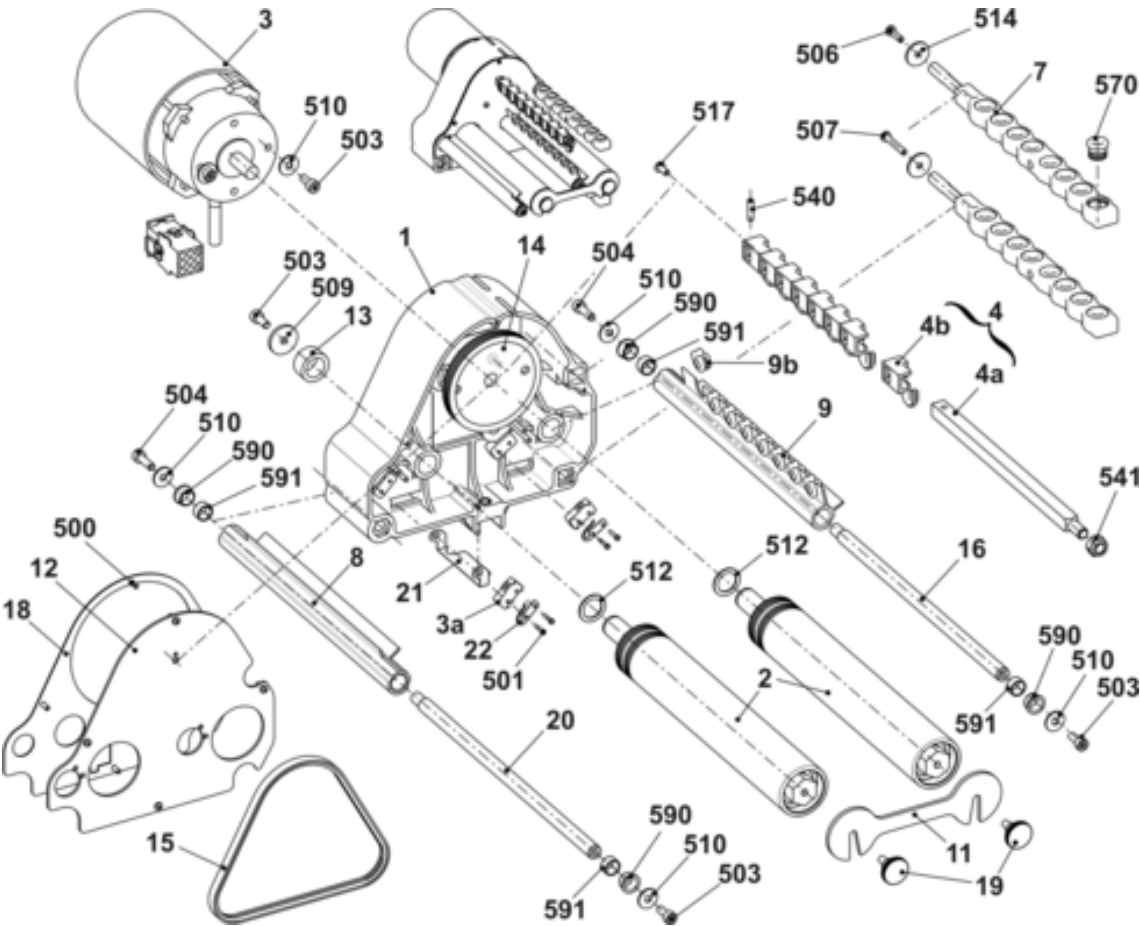
Pos	Designation		ID		Pos	Designation		ID
Σ	Bar unit		262 466			540	Pan-head screw M6x10	023 183
2	Yarn carrier rail		255 465			541	Cap screw M8x90	022 698
3	FF support		258 508			542	Washer8	023 183
4	Yarn deflector complete		262 465			543	O-ring 8x3	022 858
	4a	Holding angle	262 463		500	Cap screw M6x35		020 139
	4b	Bolt	262 462		501	Pan-head screw M6x10		023 183
	4c	Yarn carrier MH 10	262 391		900	Cap screw M8x25		020 142



9.7 Left friction feed wheel

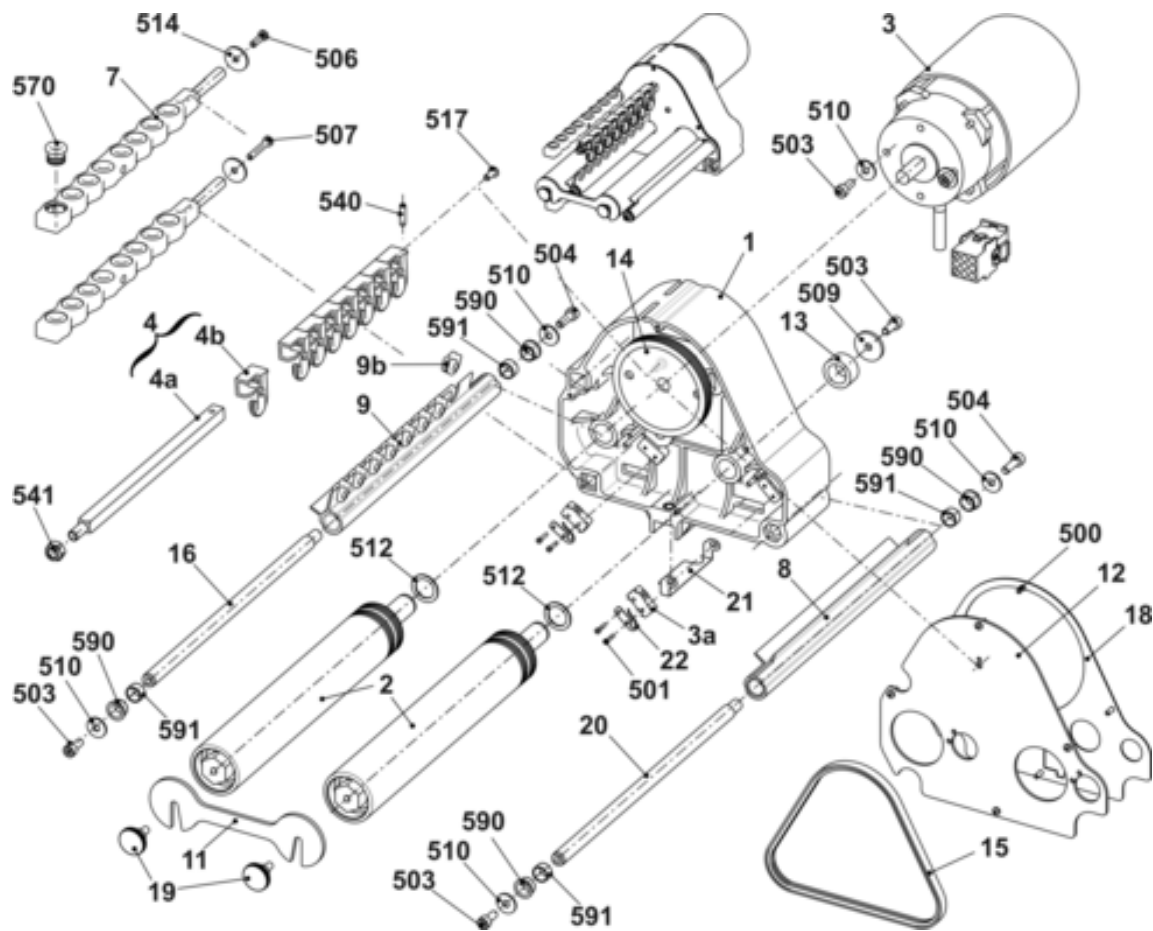
9.7 Left friction feed wheel

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

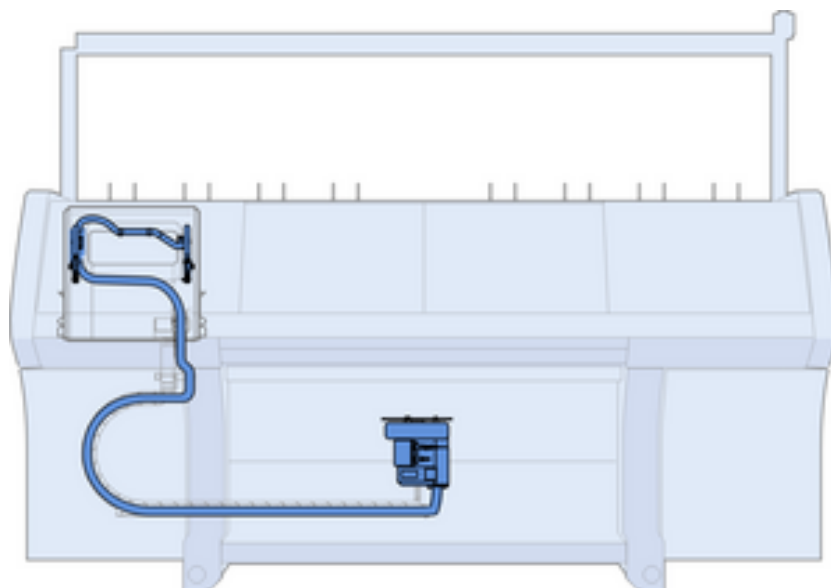
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the right complete		243 572	14	V-ribbed belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase AC motor complete		219 800	18	Cover		230 758
	3a	Microswitch	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				



9.8 Right friction feed wheel

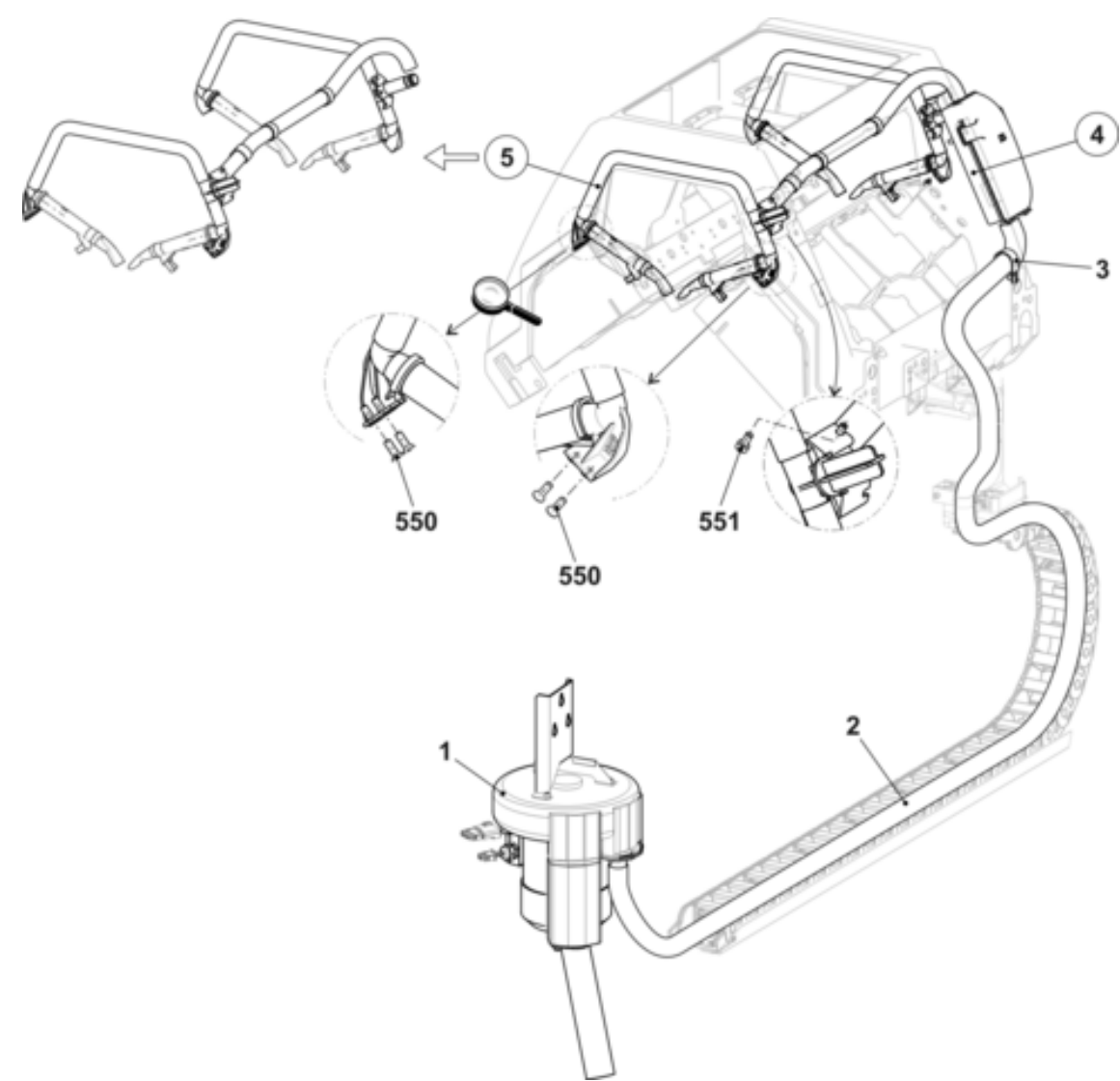
Notes:

10 Fluff absorption



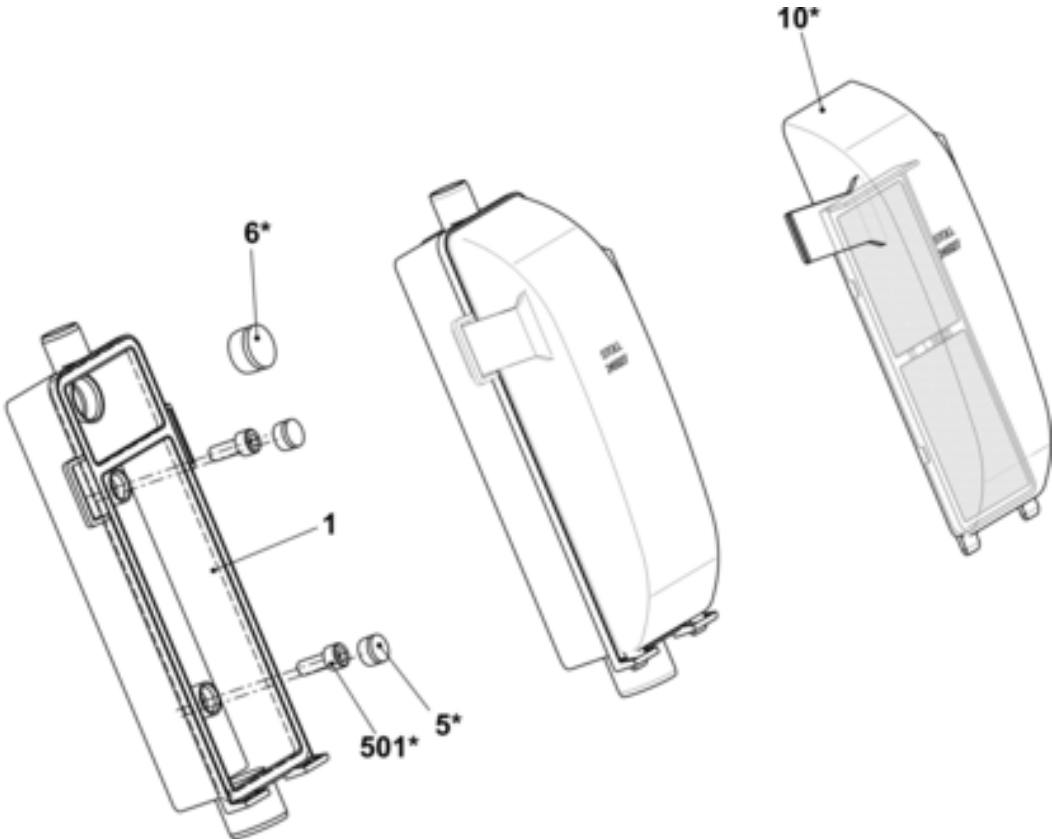
10.1 Fluff absorption

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 screw M4x8	022 501



10.1.1 Lint container

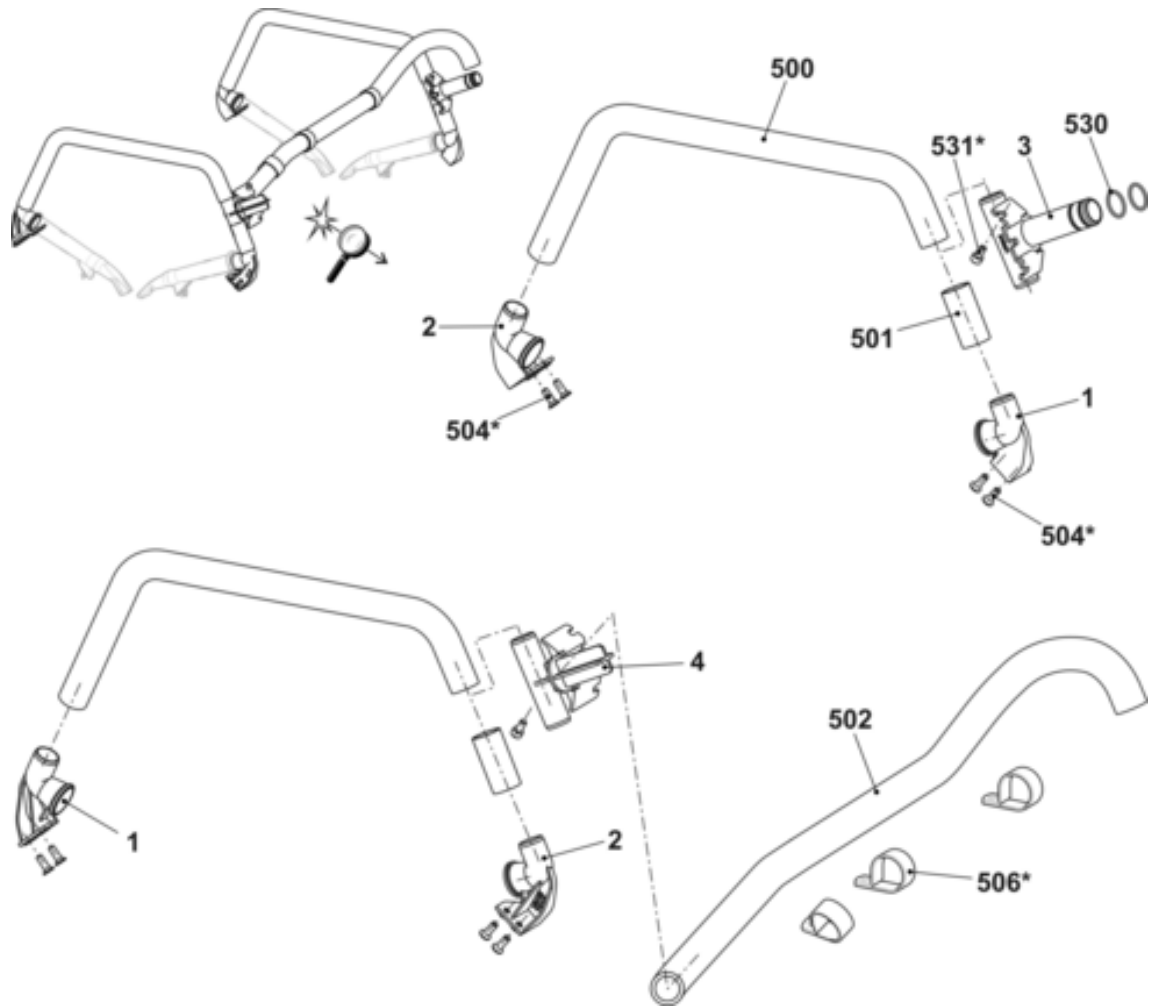
Pos	Designation	Id		Pos	Designation	Id
Σ	Lint container			6*	Sealing plug	245 029
1	Lint container	245 024		10*	Cover with filter	251 335
5*	Sealing plug	245 028		501*	Cap screwM6x10	023 690



10.1 Fluff absorption

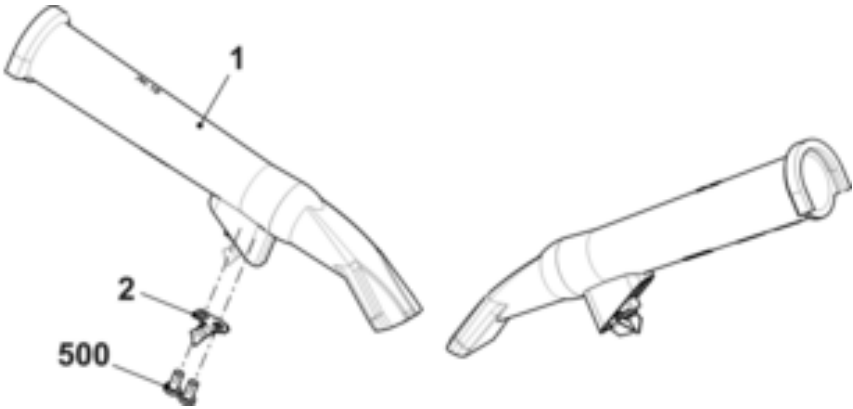
10.1.2 Set of hose

Pos	Designation	ID		Pos	Designation	ID
Σ	Set of hose complete 530/520C	251 339		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



10.1.3 Suction tube

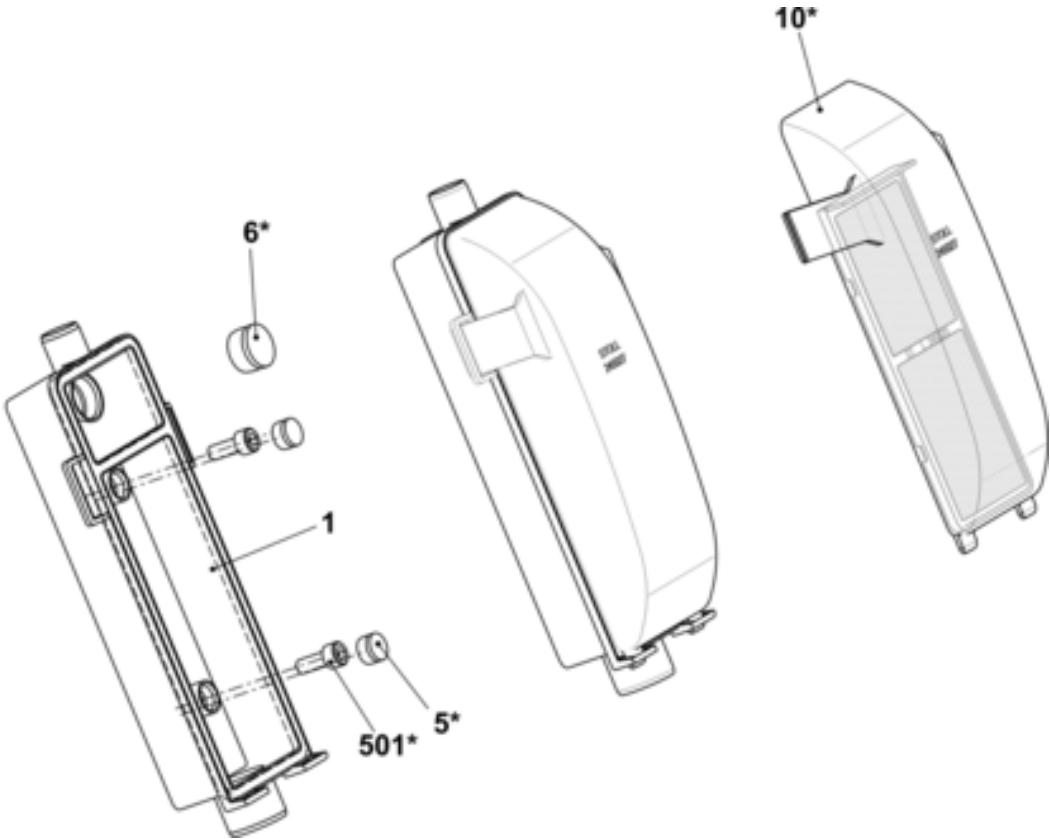
Pos	Designation	Id		Pos	Designation	Id
Σ	Suction tube complete E5-14	251 313		2	Bracket	255 628
1	Suction tube	255 605		500	Screw KB30x6	241 424



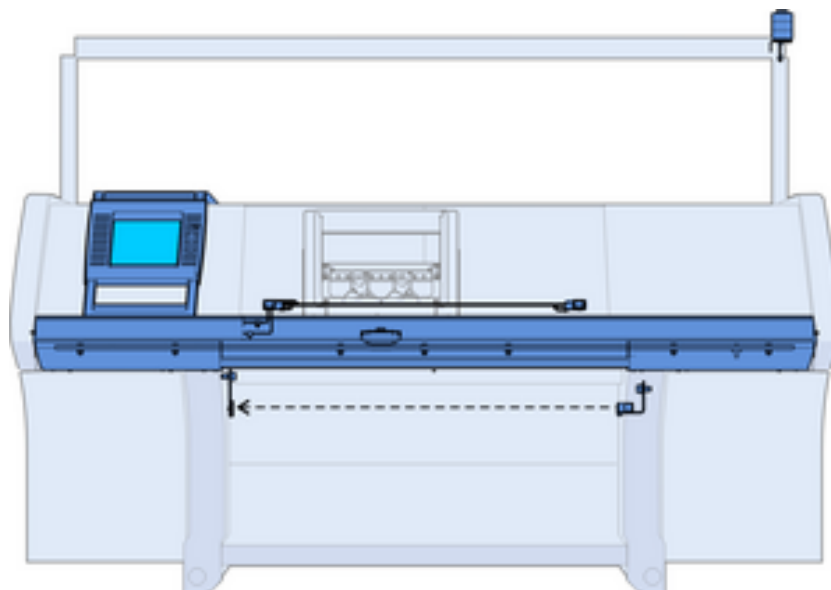
10.1 Fluff absorption

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 screwM6x10	023 690



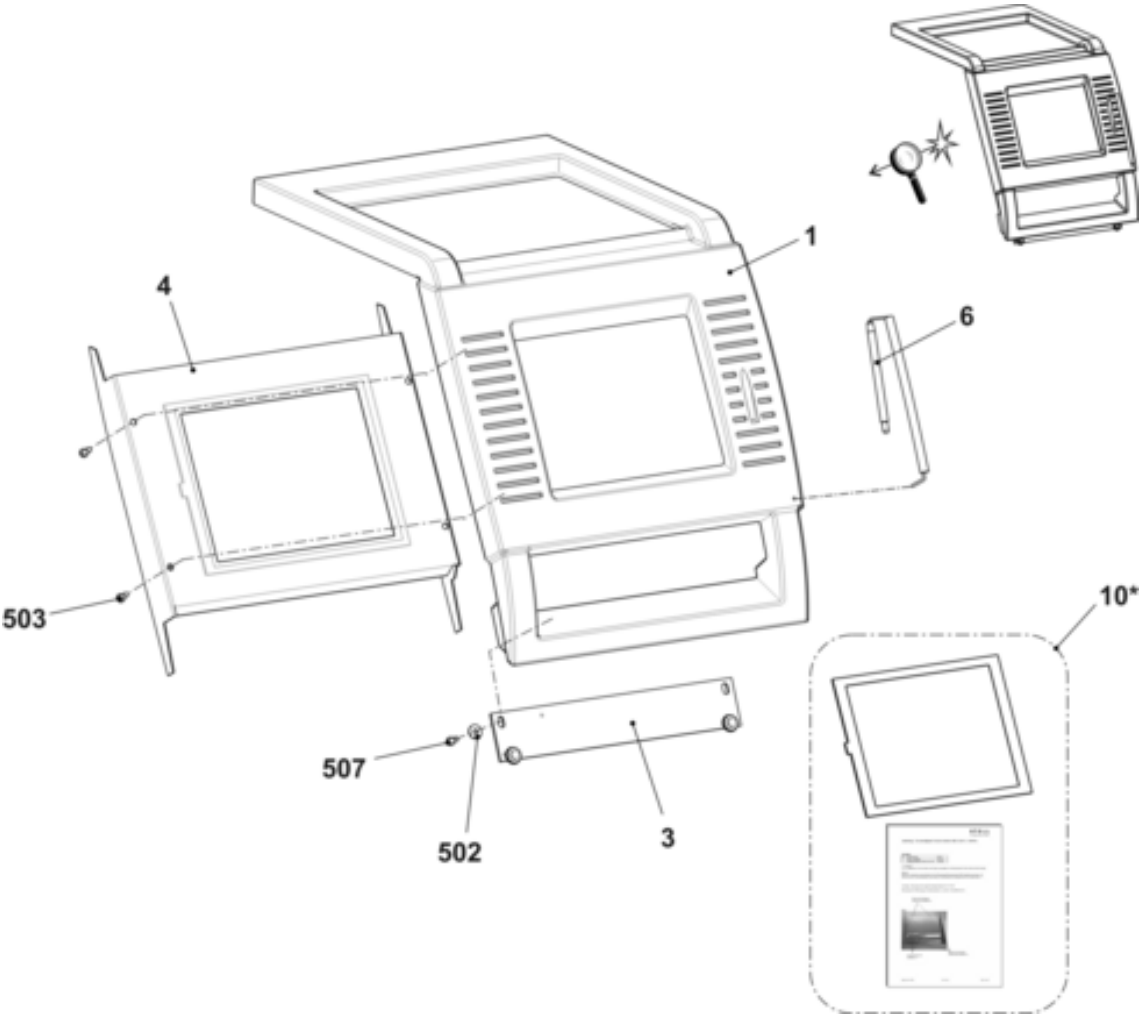
11 Operation and control



11.1 Input unit

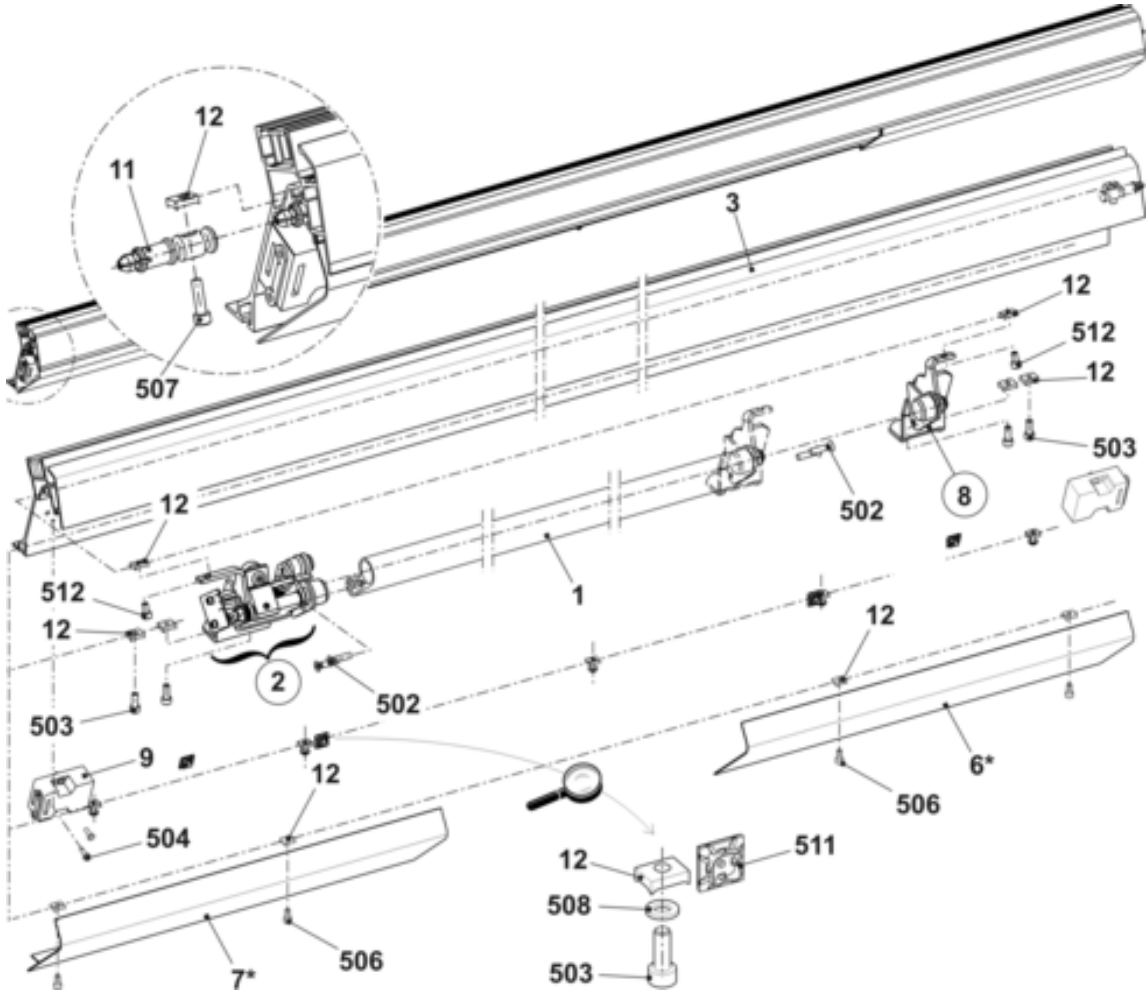
11.1 Input unit

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

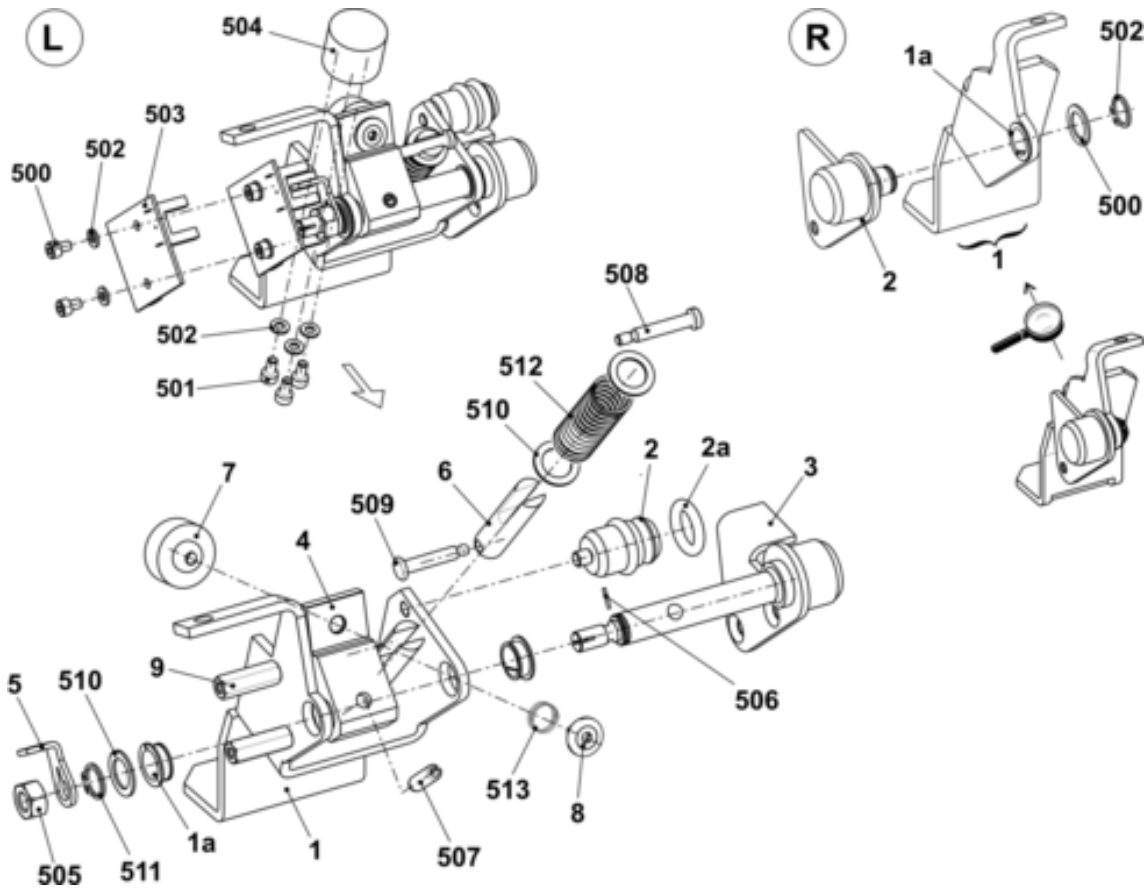
Pos	Designation	Id	Pos	Designation	Id
Σ	Starting device complete	240 306	12	Sliding nut (slot nut)	225 099
1	Engaging rod	240 227	502	Screw M6x25	023 510
2	Bearing on the left complete	250 071	503	Cap screw M6x16	020 135
3	Guide rail at the bottom complete	257 309	504	Pan-head screw M5x14	023 588
6*	Cover plate on the right	250 931	506	Cap screw M6x12	020 134
7*	Cover plate on the left	250 932	507	Cap screw M6x20	020 136
8	Bearing on the right complete	252 964	508	Washer	020 872
9	Switch with cable to safety doors	223 350	511	Cable holder	262 037
11	Locating bolt	219 107	512	Cap screw M6x10	023 690



11.2 Starting device

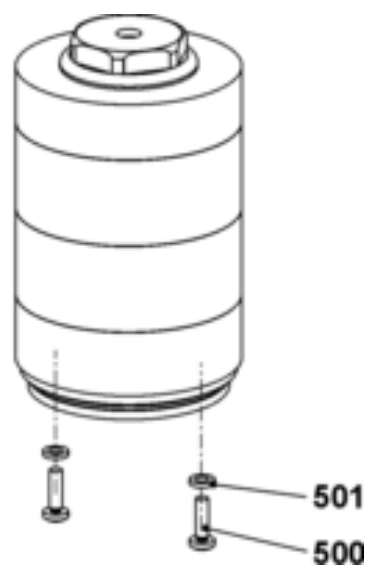
11.2.1 Bearing of the engaging rod

Pos	Designation	Id. no.		Pos	Designation	Id. no.
L	Bearing on the left complete	250 071				
1	Bearing on the left	245 218		505	Hexagon nut M8-6	020 838
1a	Clip bearing MCM 12-04	023 639		506	Dowel pin1,5x8	236 923
2	Support of buffer	220 561		507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237		508	Shoulder screw M4x24,8x7,7	240 299
3	Shaft on the left	245 219		509	Shoulder screw	251 316
4	Rotor	253 776		510	Shim ring 12x18x1	023 315
5	Switch flag	245 220		511	Retaining 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	Retaining ring12x1	020 951



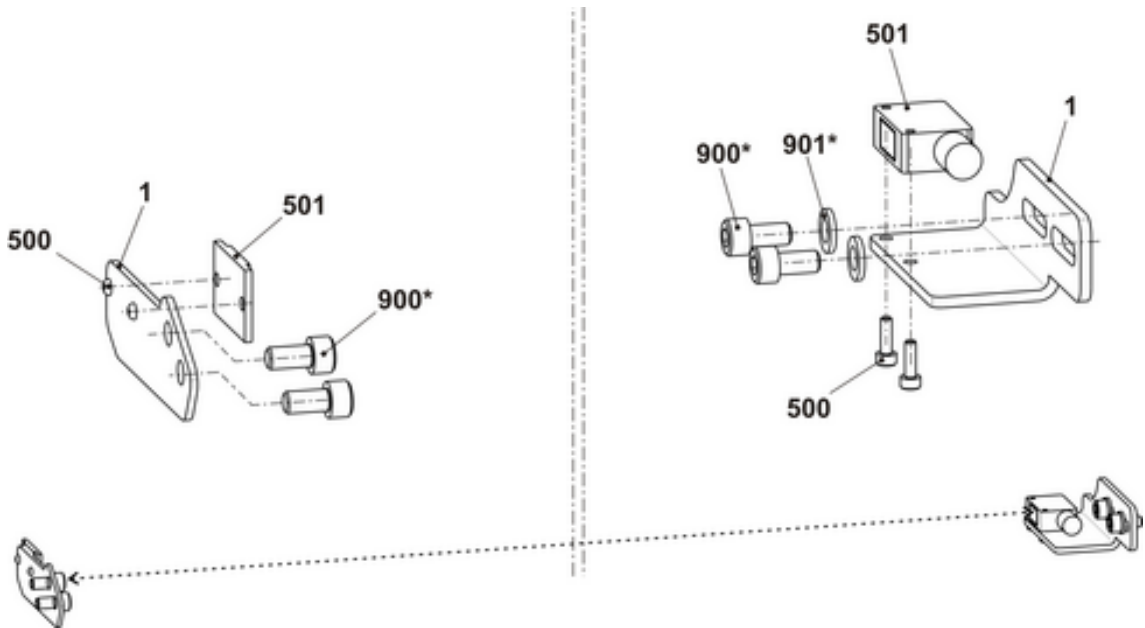
11.3 Signal light

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					



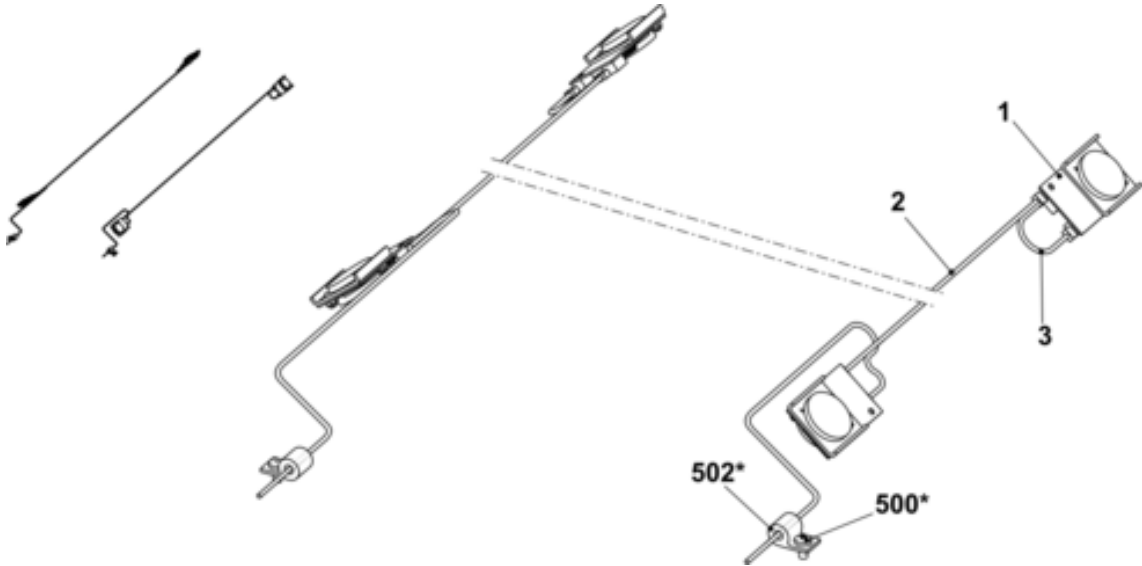
11.4 Collecting area - control

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 Wl100-P4330	243 355
900*	Cap screw M6x12	020 134		900*	Cap screw M6x12	020 134
				901*	Washer6	020 872



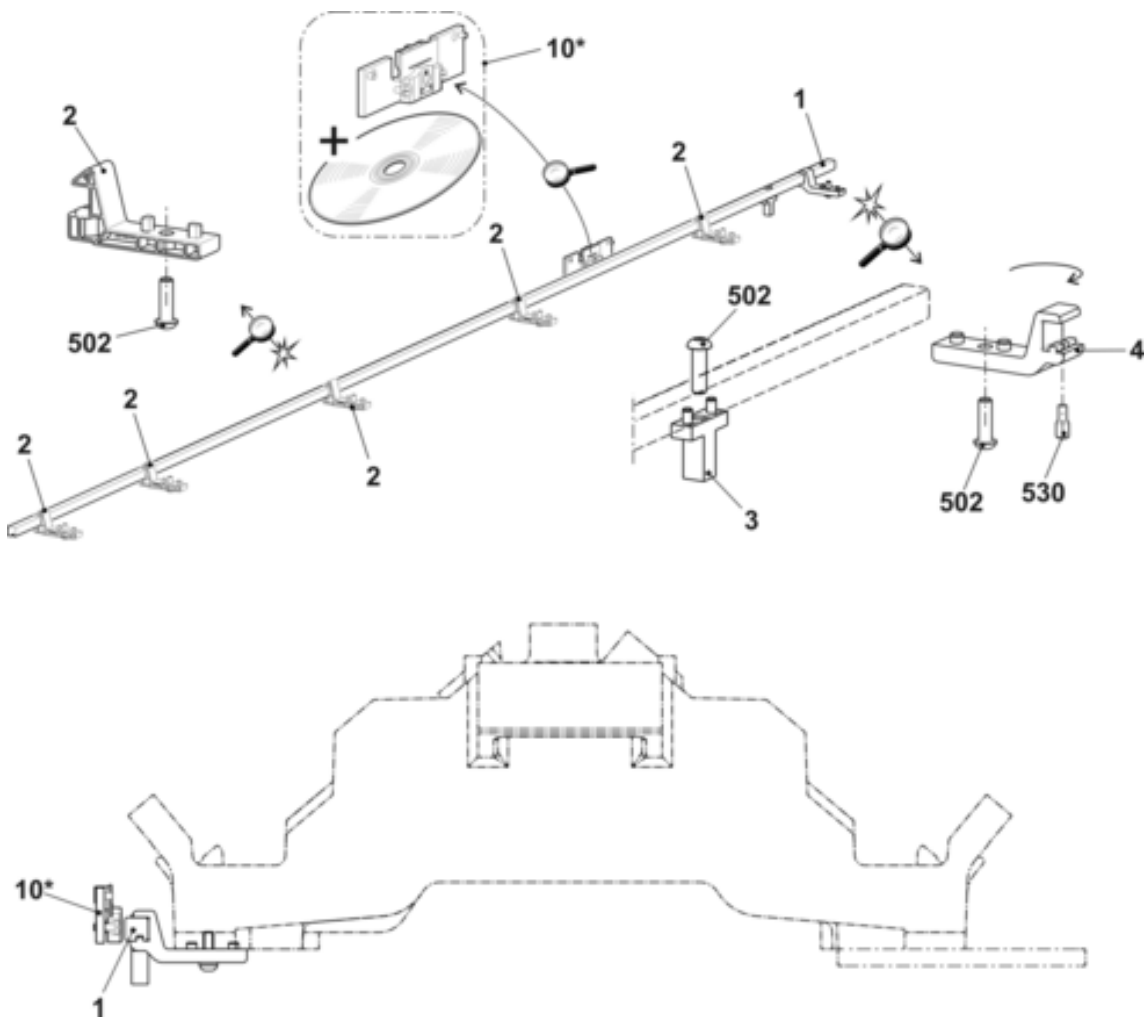
11.5 Shock stop motion E3-4

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

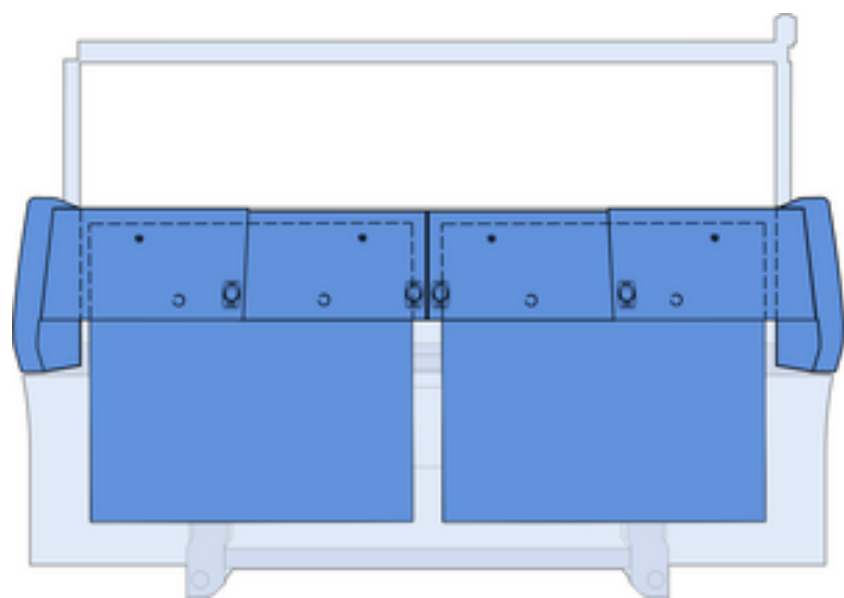


11.6 Measuring device

Pos	Designation	Id		Pos	Designation	Id
Σ	Measuring device					
1	Measuring bar	257 370		10*	Spare parts package impulse sensor GLM	259 613
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



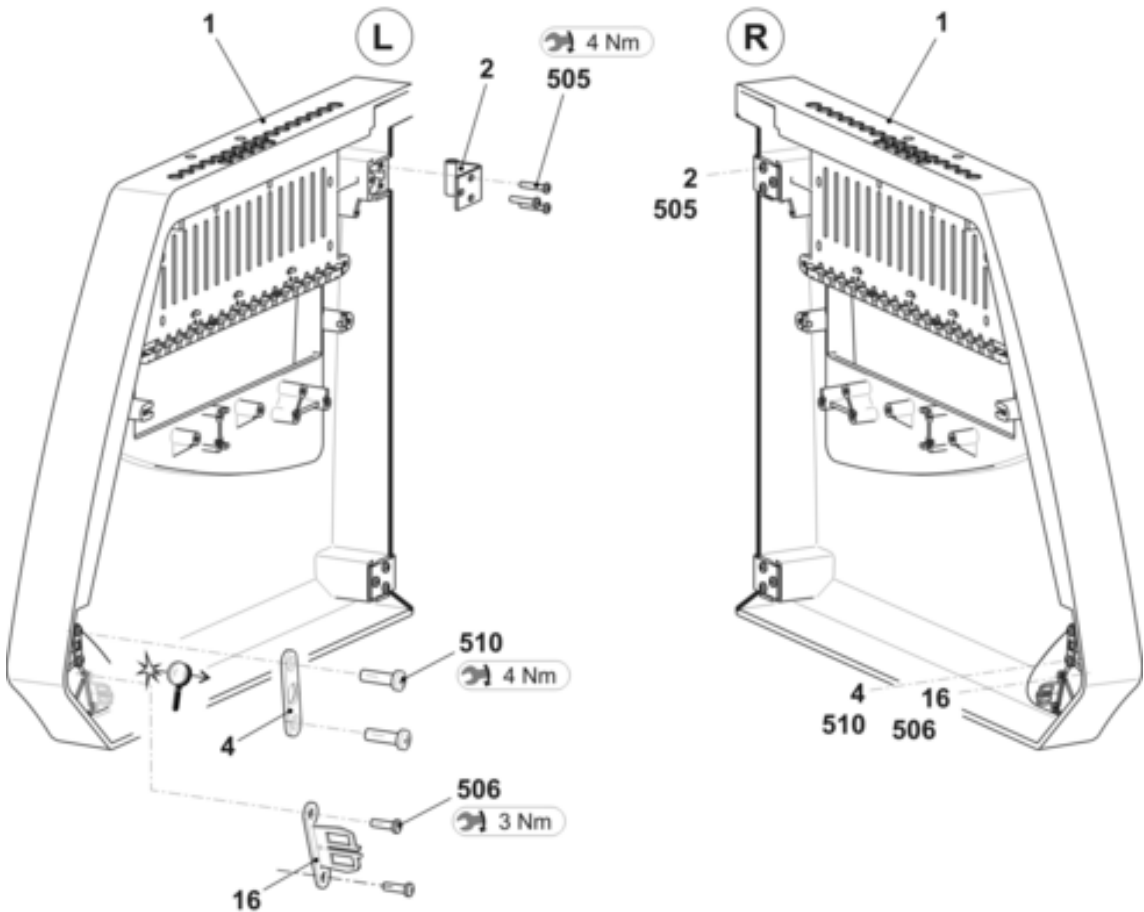
12 Protective units



12.1 Lateral safety doors

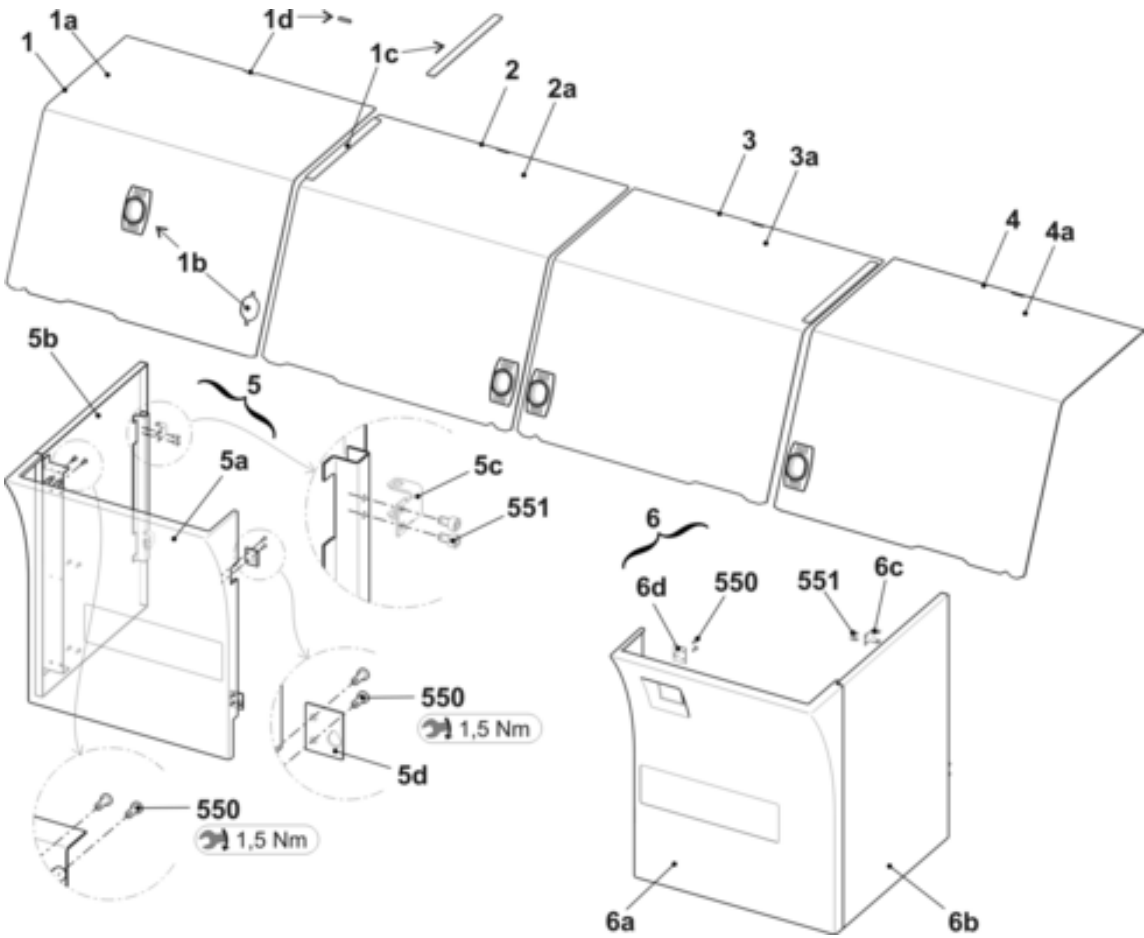
12.1 Lateral safety doors

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	263 939		2	Hinge	263 939
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



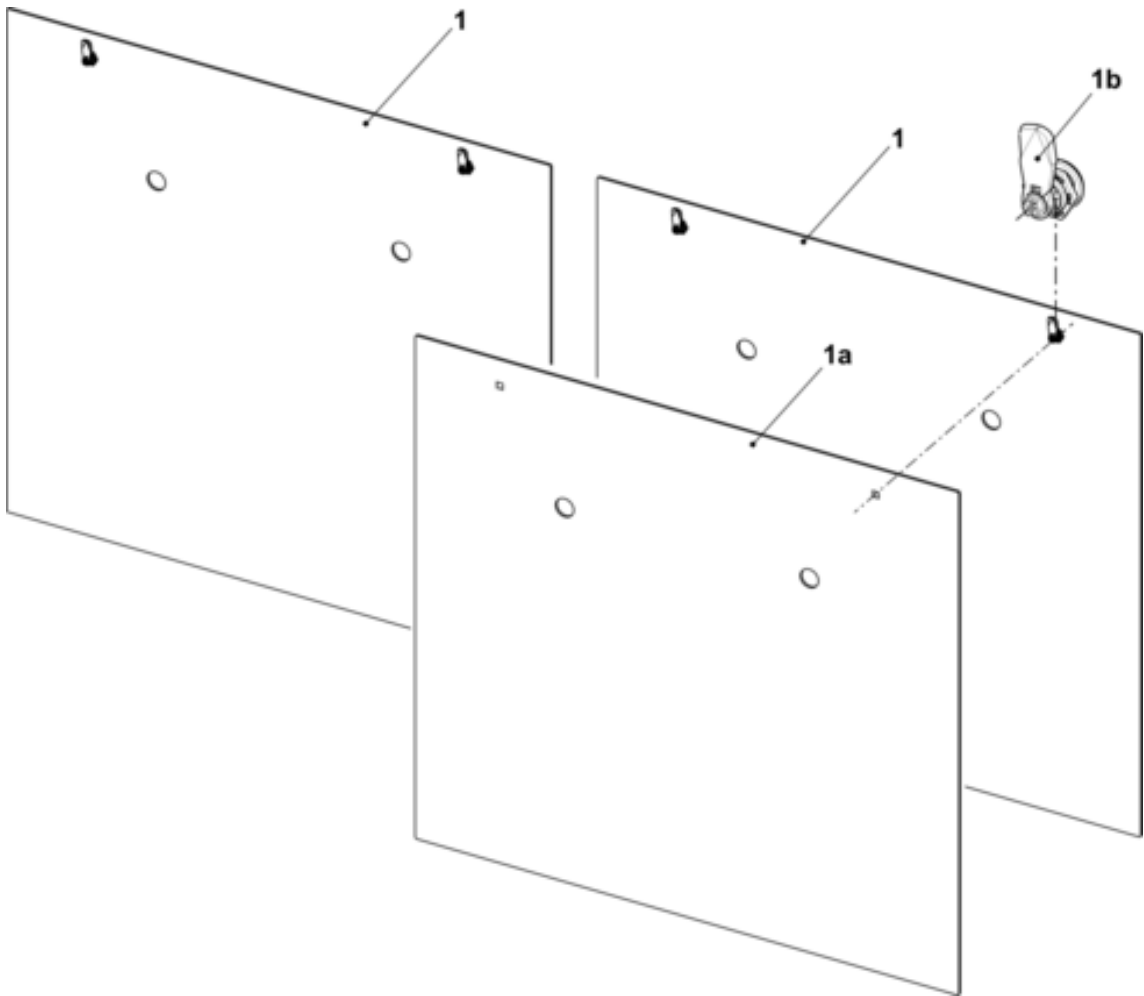
12.2 Panelling

Pos	Designation		Id		Pos	Designation		Id
1	Cover 1 complete		257 303		3	Cover 3 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 complete		257 304		4	Cover 4 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 screw M6x16	020 135			551	Cap screw M6x16	020 135

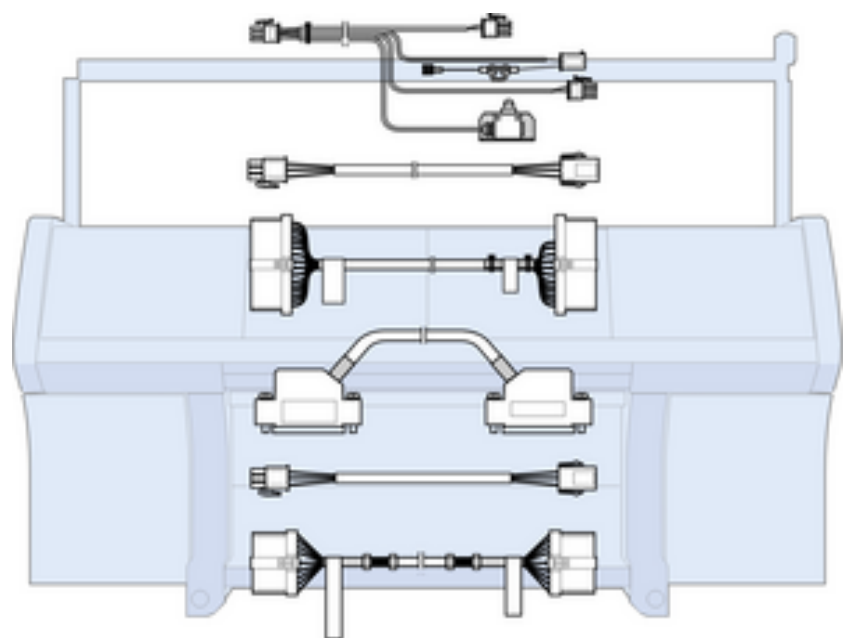


12.3 Rear panel

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



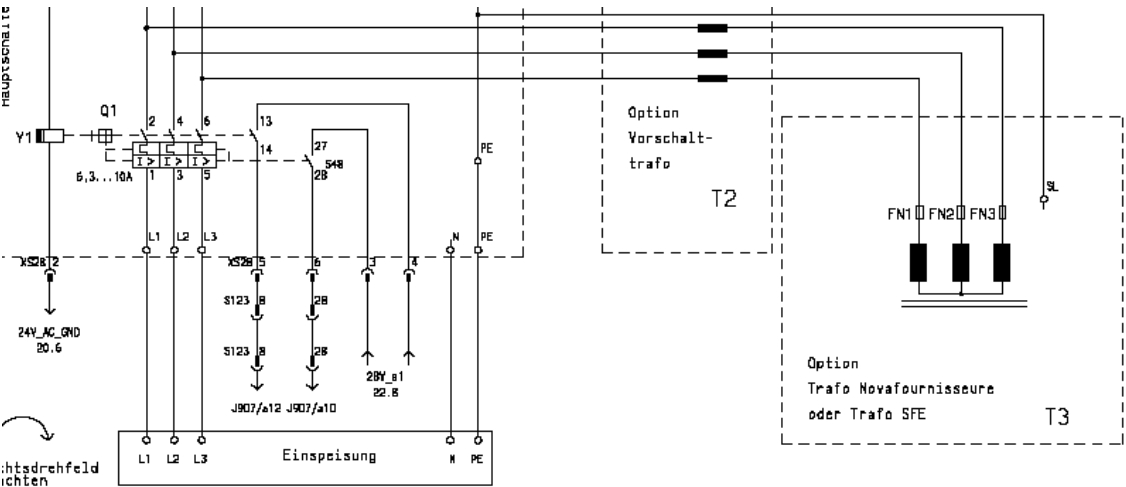
13 Electrical equipment



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

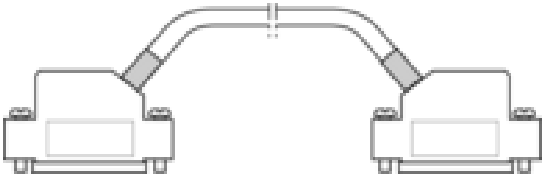
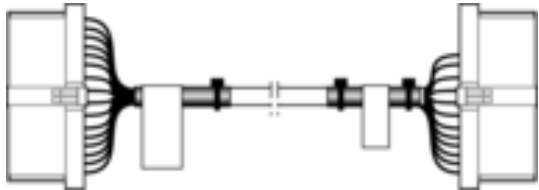
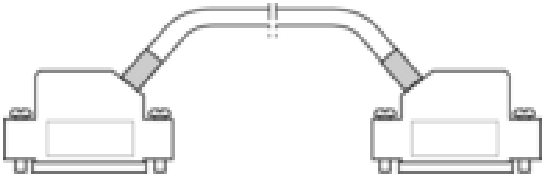


13.2 Fuses

	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

13.3 Trailing cable

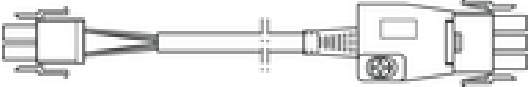
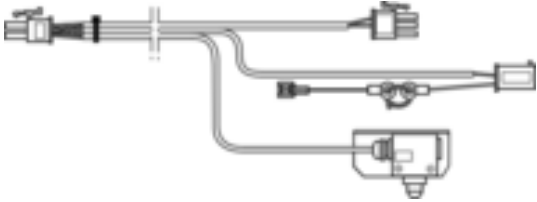
Designation		ID	Designation		ID
Σ	Trailing cable set OKC_520 1IMP-2	259 288			
Cable carriage at the rear 520C BME2 XR332		255 054	Cable yarn carrier XR161		254 886
					
Cable carriage at the front 520C BME2 XR333		254 888	Cable impulse sensor 2 at the rear XR136		259 357
					

13.4 Cable set installation

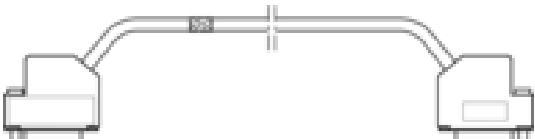
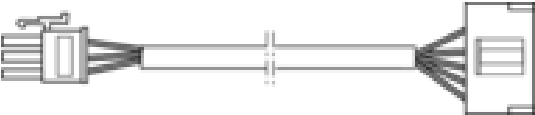
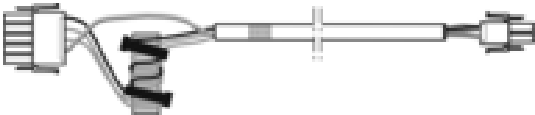
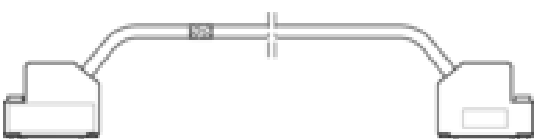
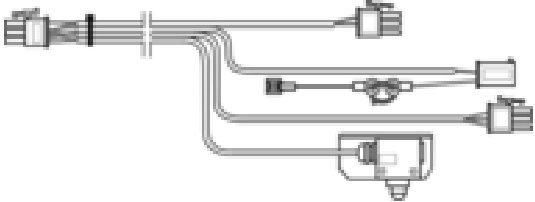
Designation			ID	Designation			ID
Σ	Cable set installation 5XX okc		253 618				
1	Loom of cables base 1 5XX		253 619	3	Loom of cables 5XX okc		253 621
2	Loom of cables base 2okc		240 257	4	Loom of cables comb okc		240 259
6	Cable switch main take-down 50" ECO2		252 541	7	Cable supply FKE lamp ECO2		252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

13.4 Cable set installation

13.4.1 Loom of cables base 1

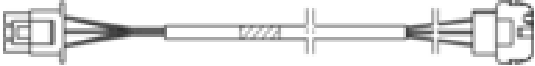
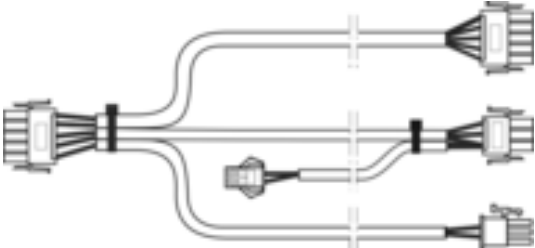
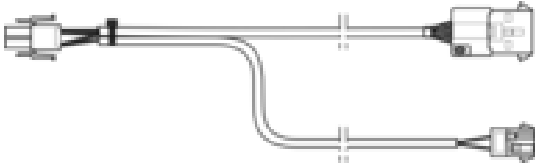
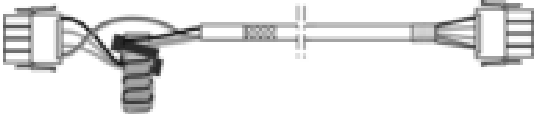
Designation		ID	Designation		ID
Σ	Loom of cables base 1 5XX	253 619			
	Cable feed wheel on the left 50" okc	240 464		Cable protective device on the left okc	253 620
					
	Cable Engaging rod ECO2	252 538			
					

13.4.2 Loom of cables base 2

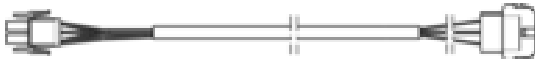
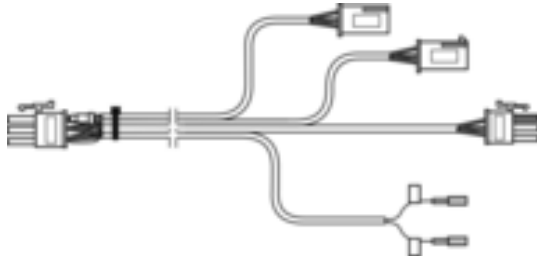
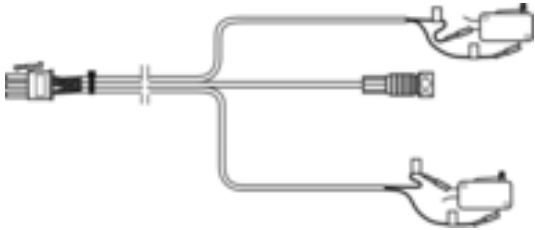
Designation		ID	Designation		ID
Σ	Loom of cables base 2okc	240 257			
	Cable motor HIAB	240 291		Cable resolver drive okc 3xx	240 296
					
	Cable racking limit switch okc 3xx	240 292		Cable racking motor okc 3xx	240 297
					
	Cable fan drive 3xx okc	240 293		Cable resolver racking okc 3xx	240 298
					
	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 5XX

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

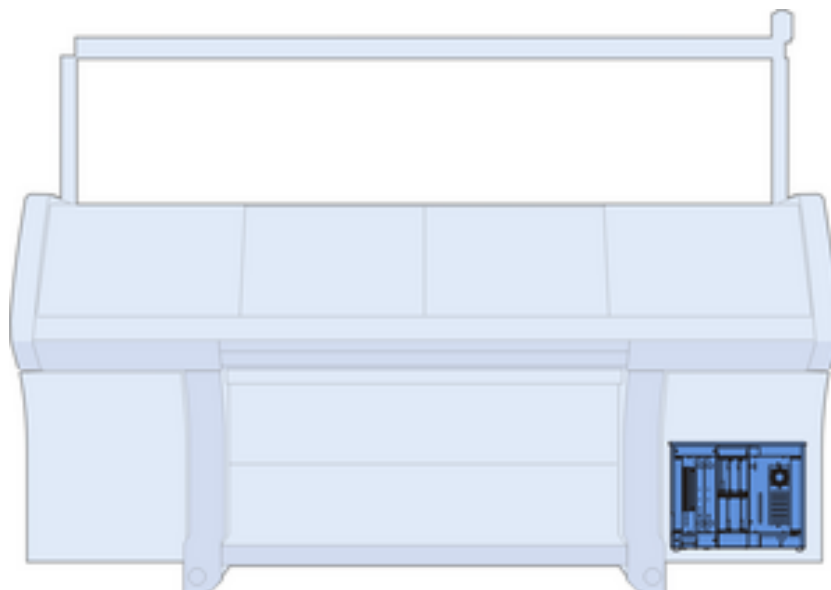
13.4.4 Loom of cables comb

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

13.4 Cable set installation

Notes:

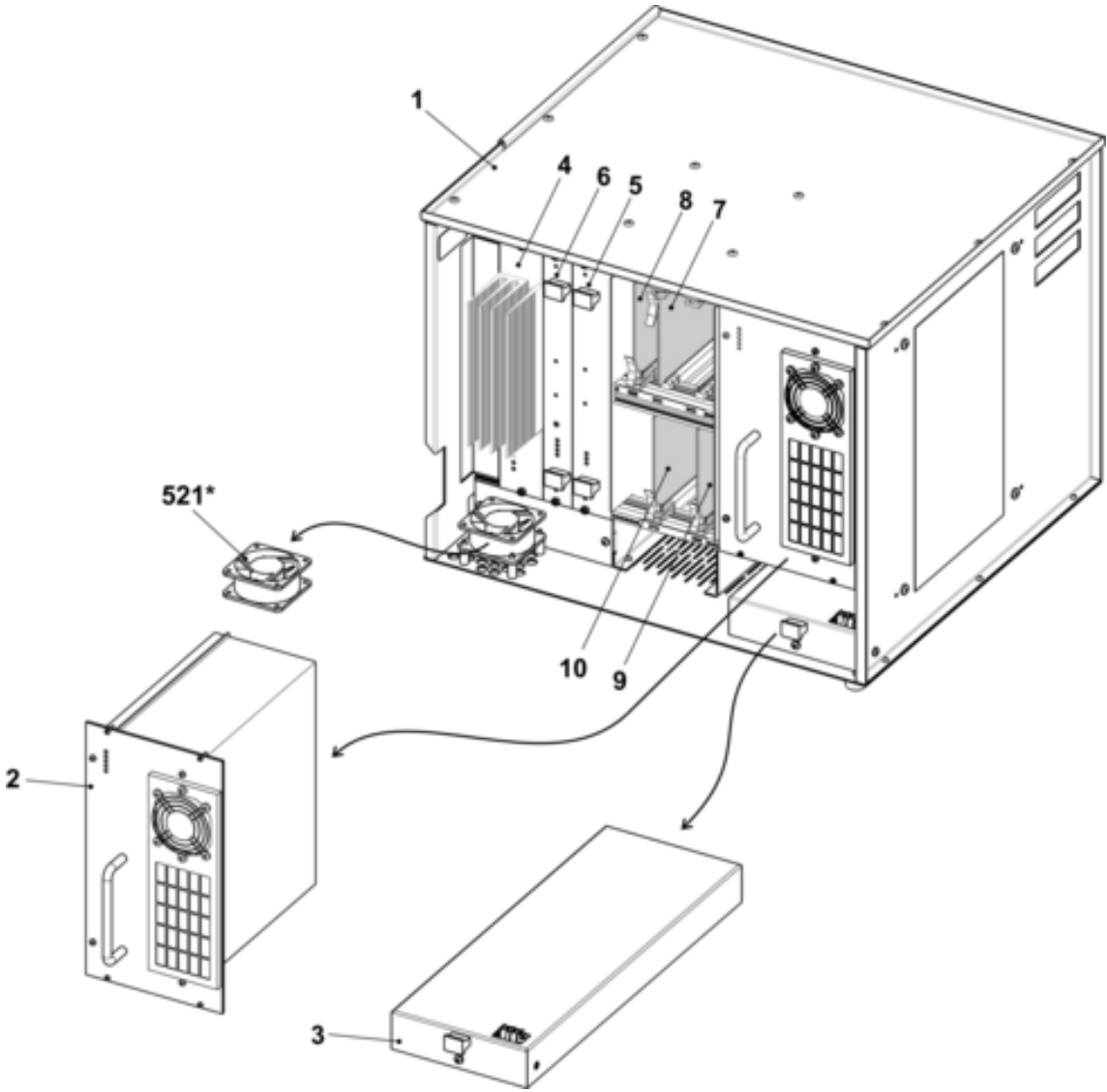
14 Control electronics



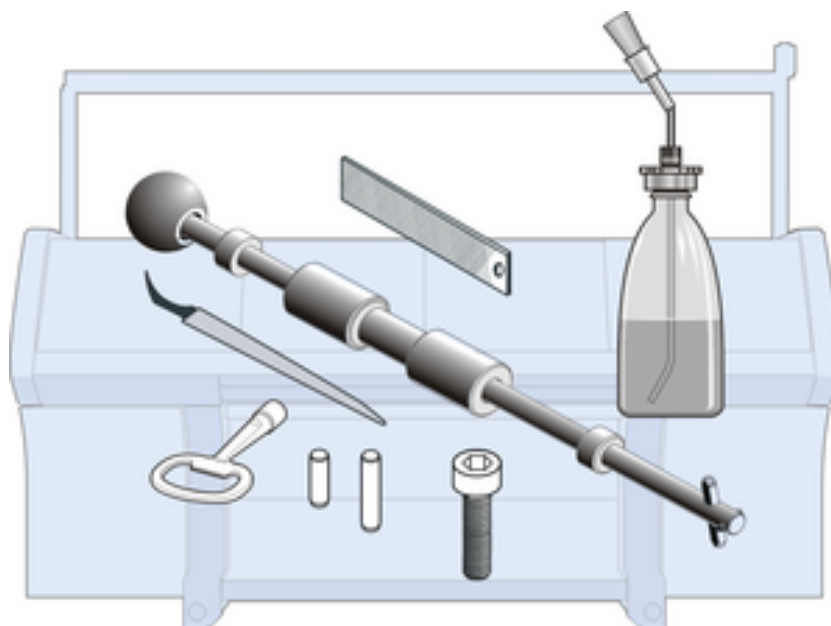
14.1 Control cabinet

14.1 Control cabinet

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit on the right complete 520	263 960		6	Card BIO 2	301 012
1	Control unit without equipment 5XX PP	260 576		7	Card final stages 4SM 7TE	300 943
2	Power supply unit CG54 1-Kanal	300 923		8	Card N-CPU 432	300 965
3	Battery plug-in unit	301 008		9	Card Power CPU B	301 009
4	Card Servo 6	301 000		10	Card IPC P8X S 01	257 040
5	Card C-WAZ ECO2	301 006		521*	Axial flow fan Servo 5	229 059



15 Deliverable accessories

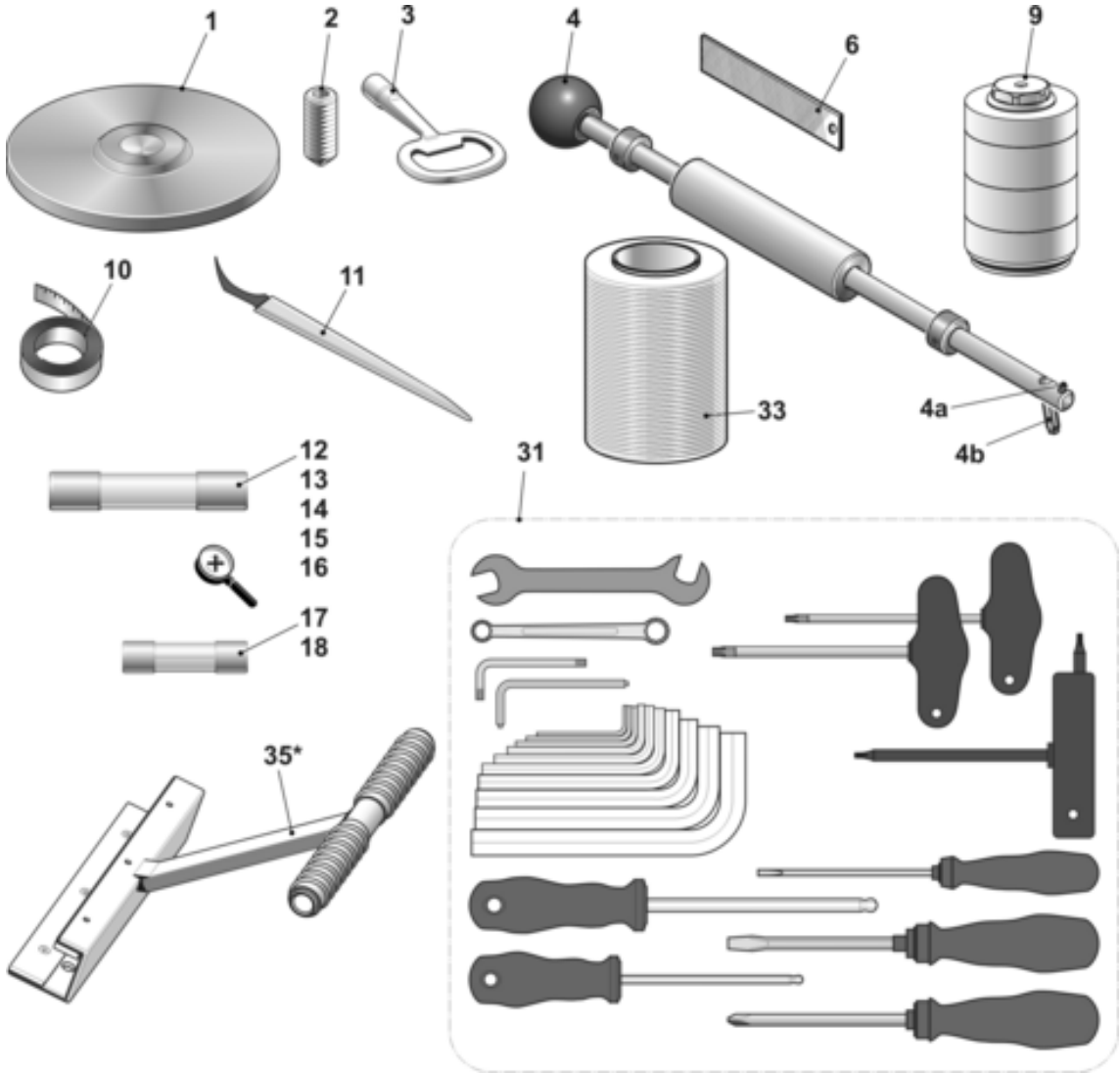


You can order the following tools, lubricants and expendables.
The following list does not correspond to the scope of delivery of the knitting machine.

15.1 Tool

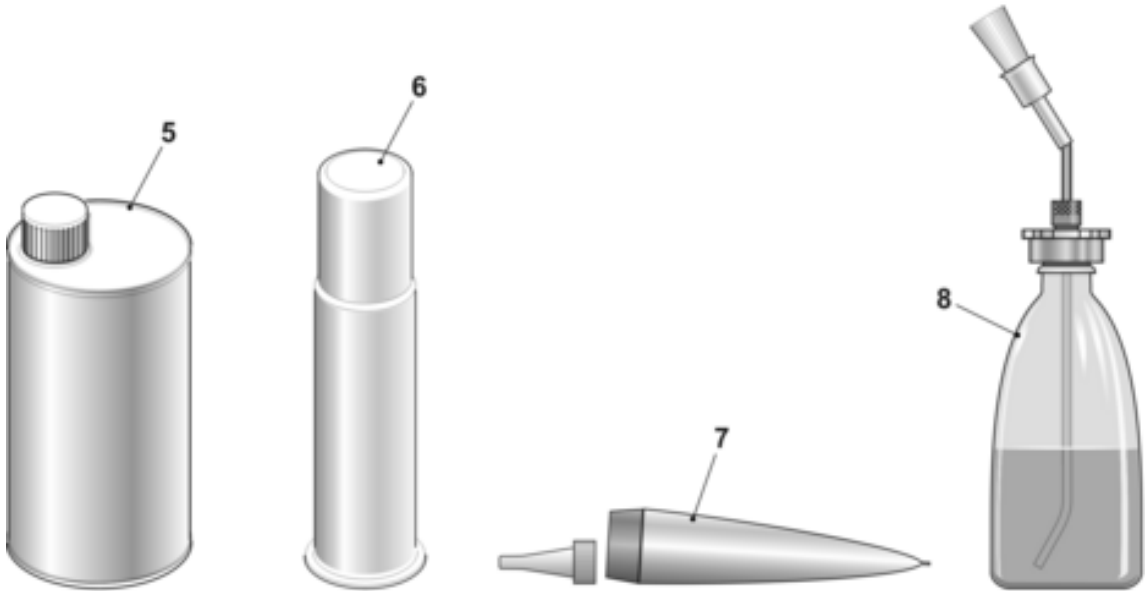
15.1 Tool

Pos	Designation	Id	Pos	Designation	Id
1	Shim	056 569	12	Fuse 3,15A T/440V 6,3x32	025 261
2	Setscrew M16x40	244 061	13	Fuse 6,3A T/440V 6,3x32	026 809
3	Key of switch cabinet	009 346	14	Fuse 10A T/440V 6,3x32Fuse	025 258
4	Extraction hook	232 027	15	Fuse 2,5A T/440V 6,3x32	217 465
4a	Small pin	202 843	16	Fuse 1A T/440V 6,3x32	209 321
4b	Pin	232 022	17	Fuse 1,6A T 5x20	008 715
6	File	006 173	18	Micro fuse F1,0A	008 748
9	Signal lightLED	240 395	31	Tool kit	209 527
10	Measuring tape L=150cm	228 180	33	Elastic thread	209 266
11	Working hook	227 249	35*	Device needle bed complete	263 625



15.2 Lubricating stuff

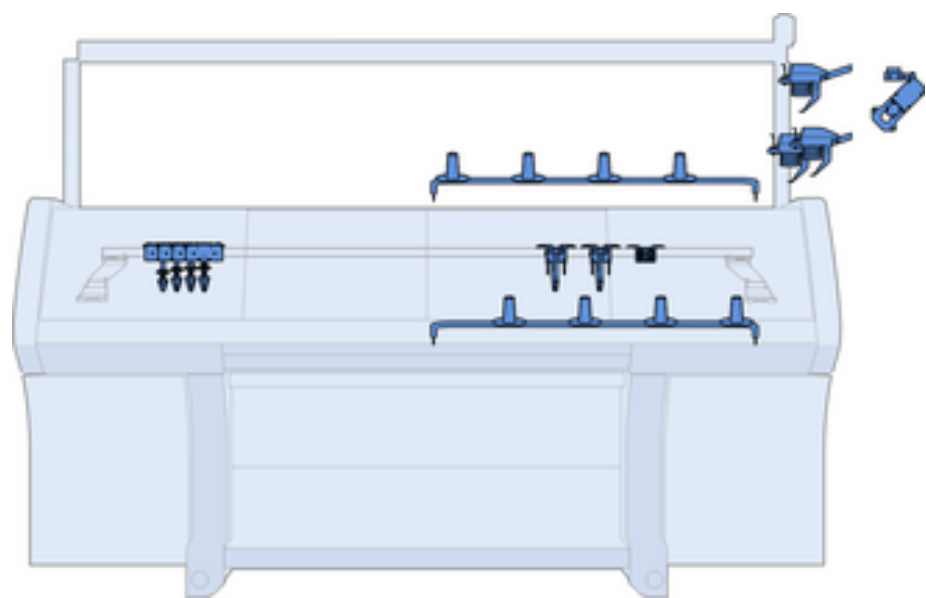
Pos	Designation	Id. no.		Pos	Designation	Id. no.
5	Silvertex T 46, 1l	230 614		7	White grease paste OKS270	229 372
6	Grease OKS 475, 150g	005 351		8	Oil combifix	216 732



15.2 Lubricating stuff

Notes:

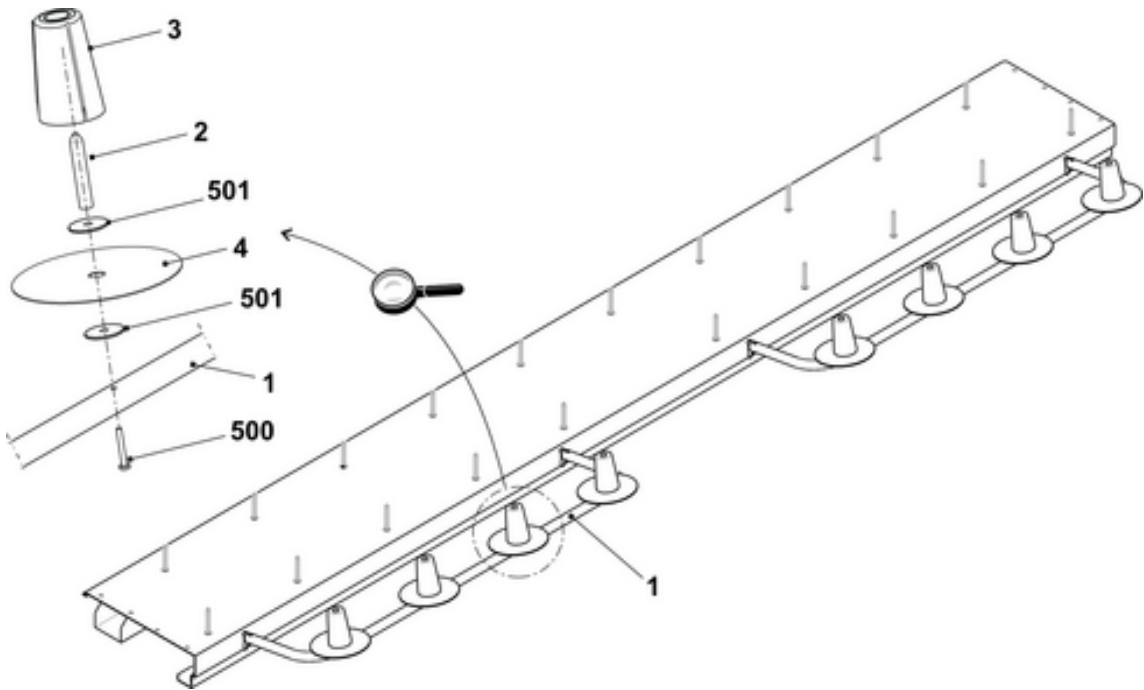
16 Special attachments



16.1 Additional bobbin board

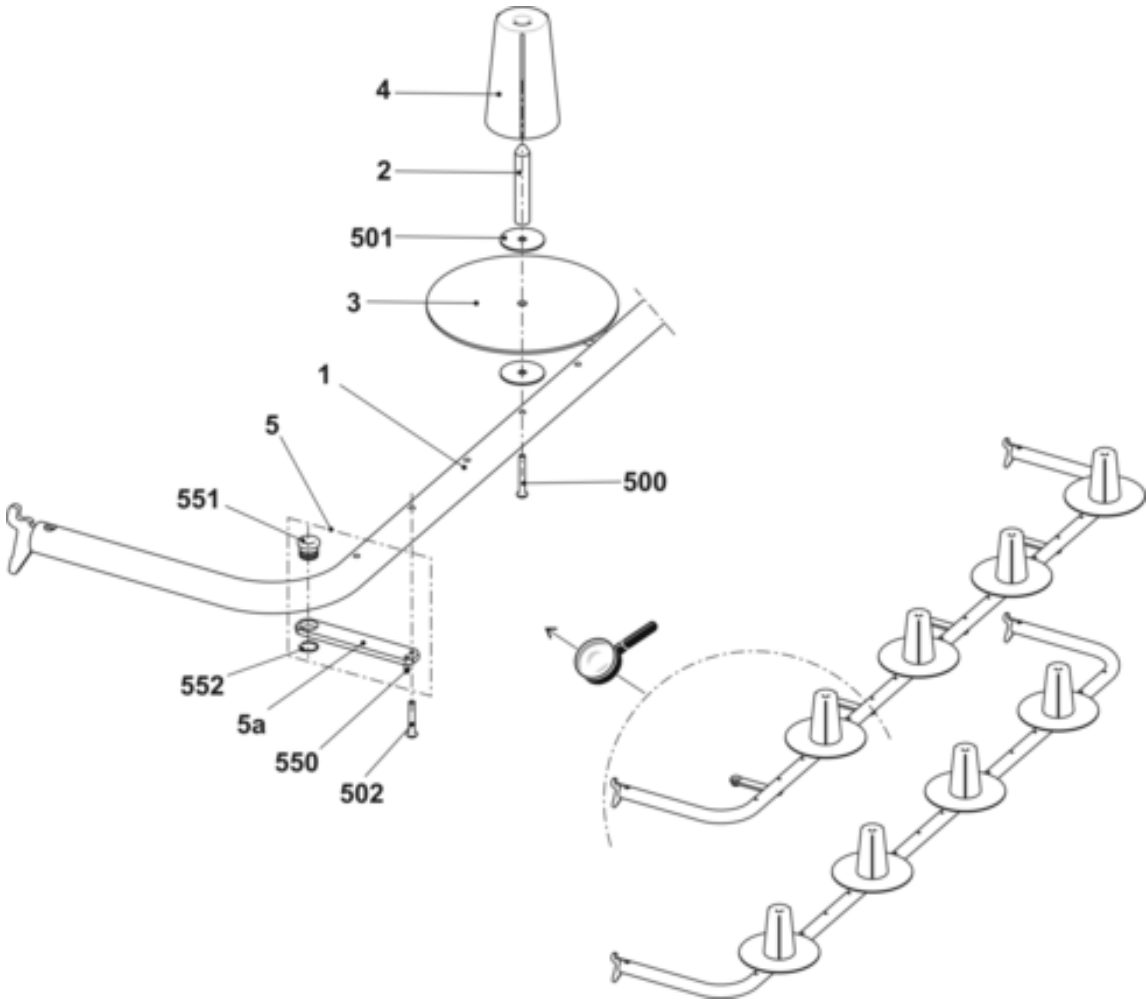
16.1 Additional bobbin board

Pos	Designation	Id		Pos	Designation	Id
Σ	Additional bobbin board	241 852				
1	Additional bobbin board welded	241 851		4	DiskD=130	062 385
2	Positioning pin	202 777		500	Pan-head screw M4x30	023 681
3	Bobbin support	200 363		501	Washer5,3x30x1,25	023 556



16.2 Additional bobbin board (top, bottom)

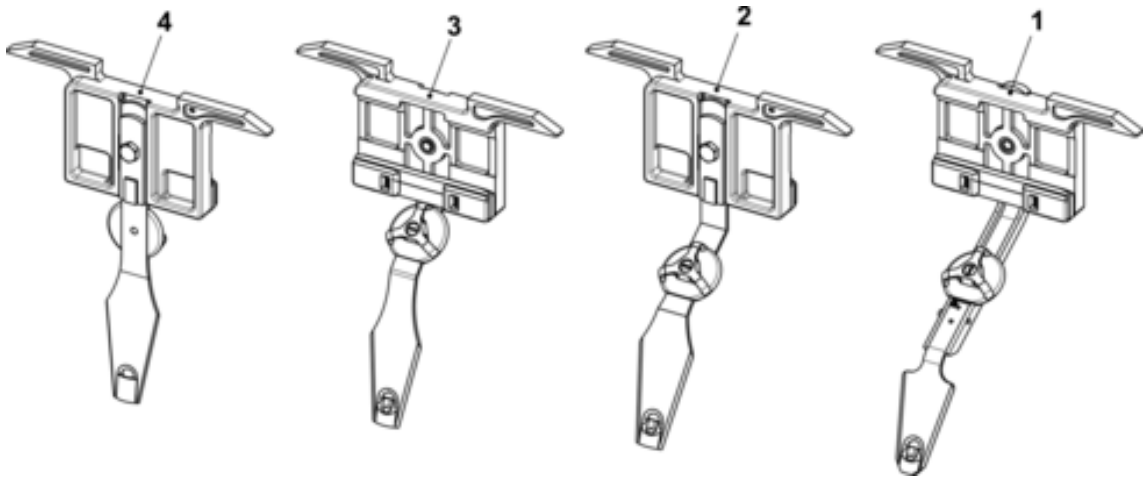
Pos	Designation		Id		Pos	Designation		Id
Σ	Additional bobbin board 50'' IFF complete		244 424					
1	Additional bobbin board welded		243 608		5	550	Dowel pin 3x12	020 647
2	Positioning pin		202 777			551	Eyelet	021 504
3	DiskD=130		062 385			552	Snap ring A12	020 996
4	Bobbin support		200 363		500	Pan head screw M4x30		023 681
5	Yarn guide		243 765		501	Washer5,3x30x1,25		023 556
	5a	Guide part	243 623		502	Pan head screw M4x25		023 511



16.3 Yarn carrier carriage

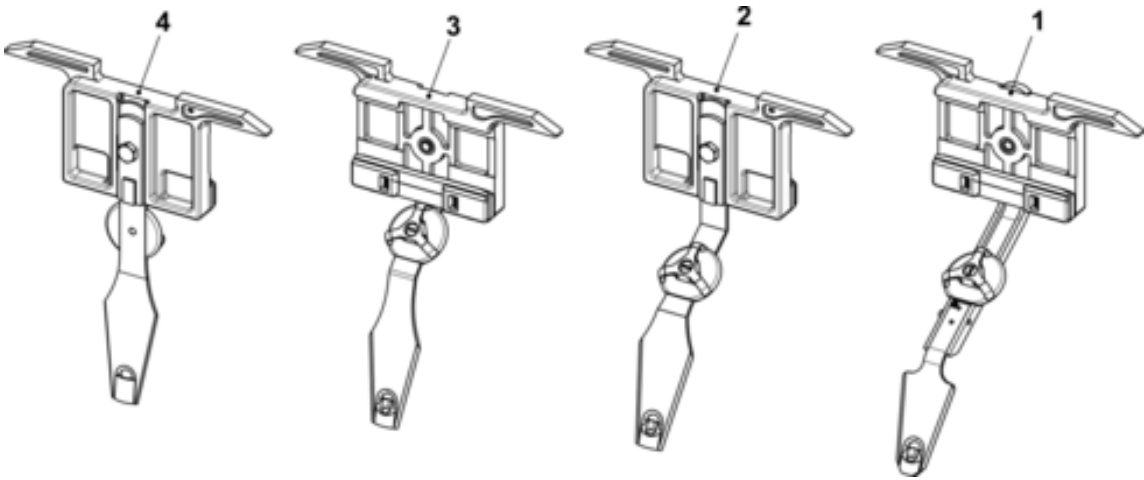
16.3 Yarn carrier carriage

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



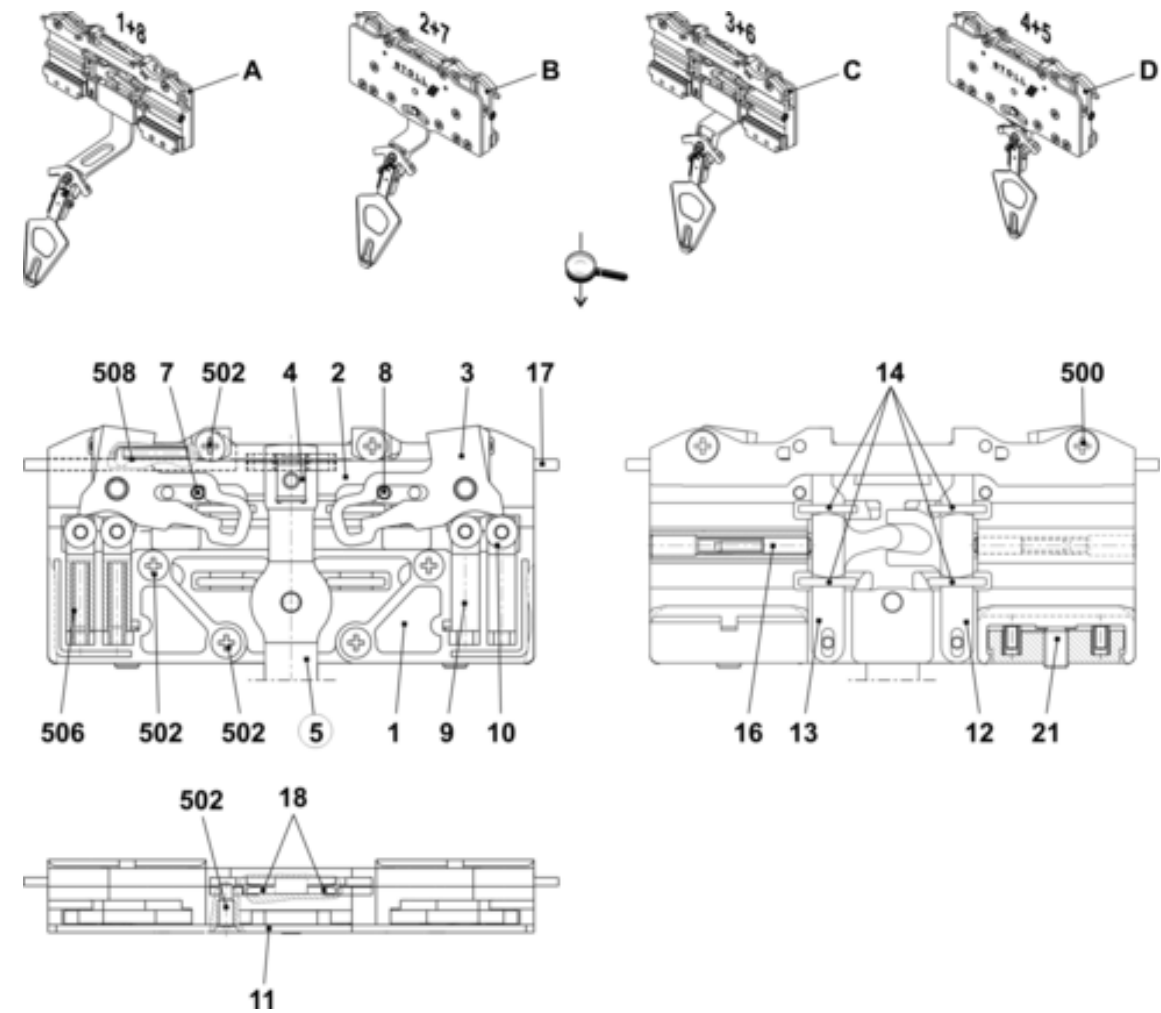
16.4 Yarn carrier carriage (for ultra coarse yarns)

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



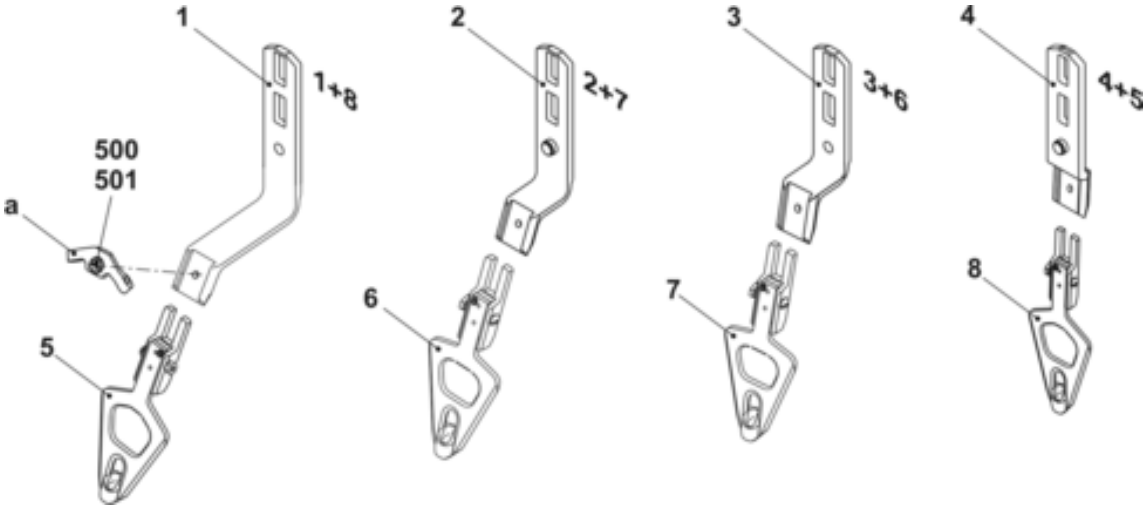
16.5 Complete intarsia yarn carriers

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				



16.5.1 Bow and head IFF

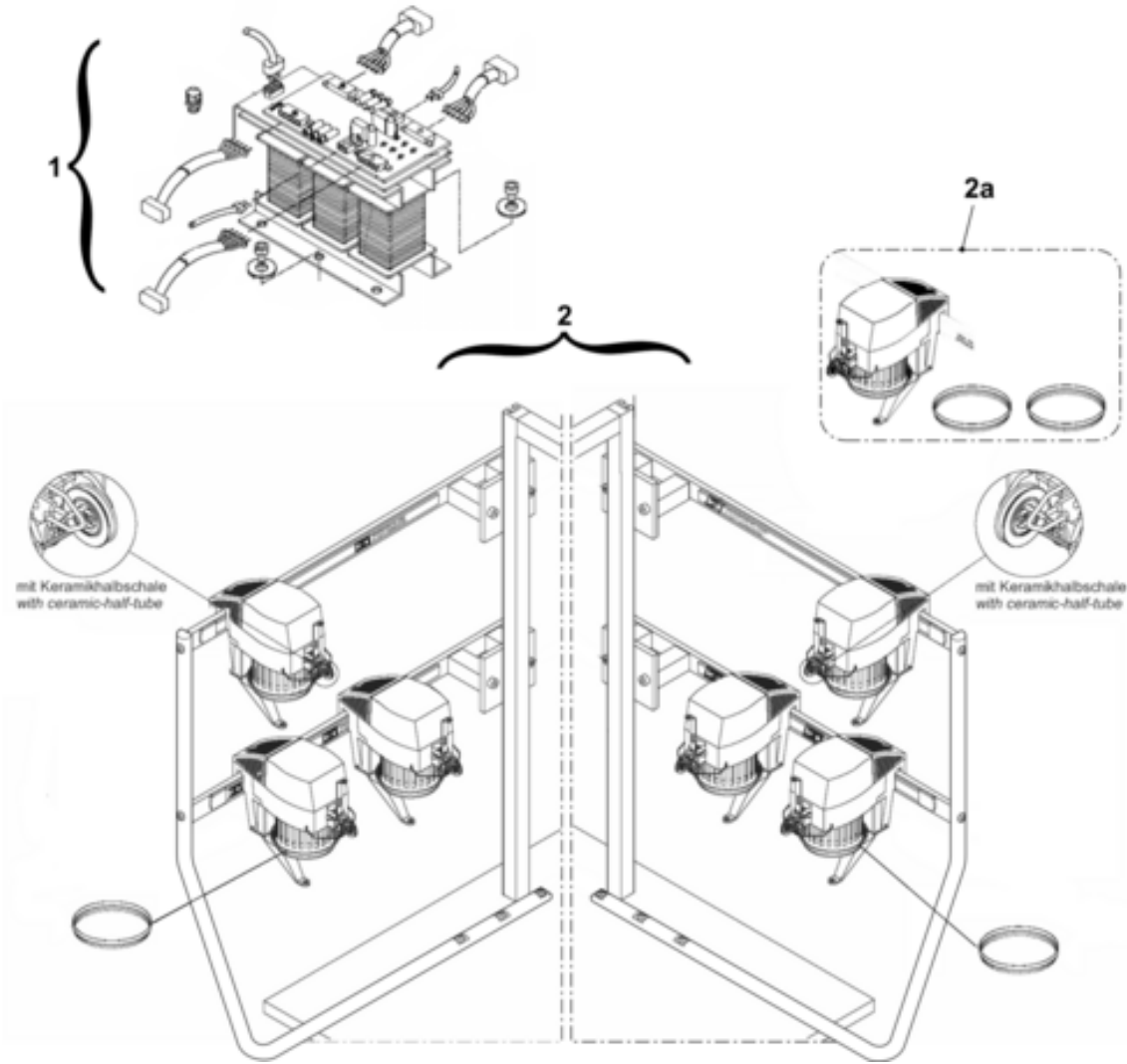
Pos	Designation	ID		Pos	Designation	ID
Σ	IFF carriage 1+8 complete	213 773				
	IFF carriage 2+7 complete	213 774		5	YC head 1+8 complete	216 352
	IFF carriage 3+6 complete	213 775		6	YC head 2+7 complete	216 353
	IFF carriage 4+5 complete	213 776		7	YC head 3+6 complete	216 354
1	FF bow 1+8 complete	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



16.6 Feed wheel SFE

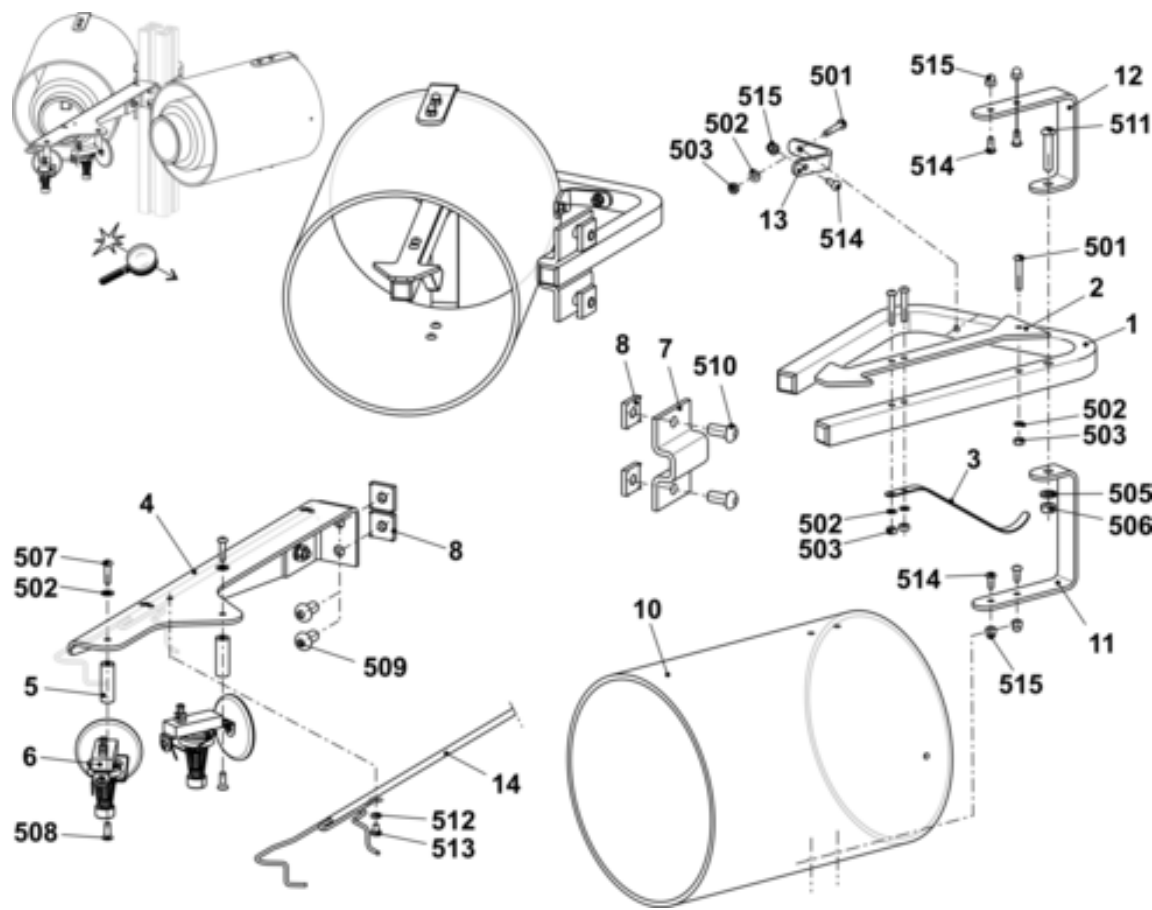
16.6 Feed wheel SFE

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	



16.7 Bobbin holder on the left

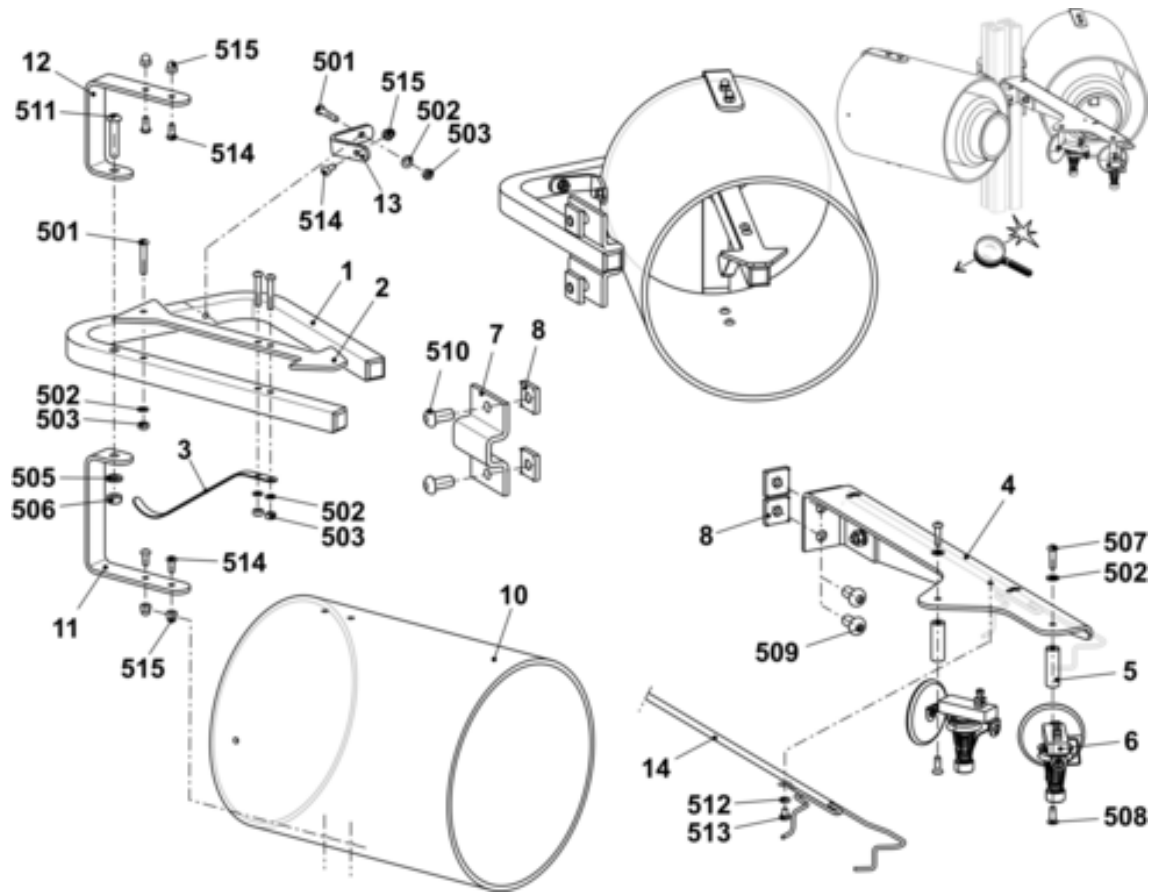
Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the left	253 965	501	Pan head screw M4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan head screw M4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan head screw M8x16	023 113
8	Slot nut	228 851	510	Pan head screw M8x18	251 331
10	Cover	253 968	511	Pan head screw M6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan head screw M4x6	022 946
13	Holding angle	253 967	514	Pan head screw M4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



16.8 Bobbin holder on the right

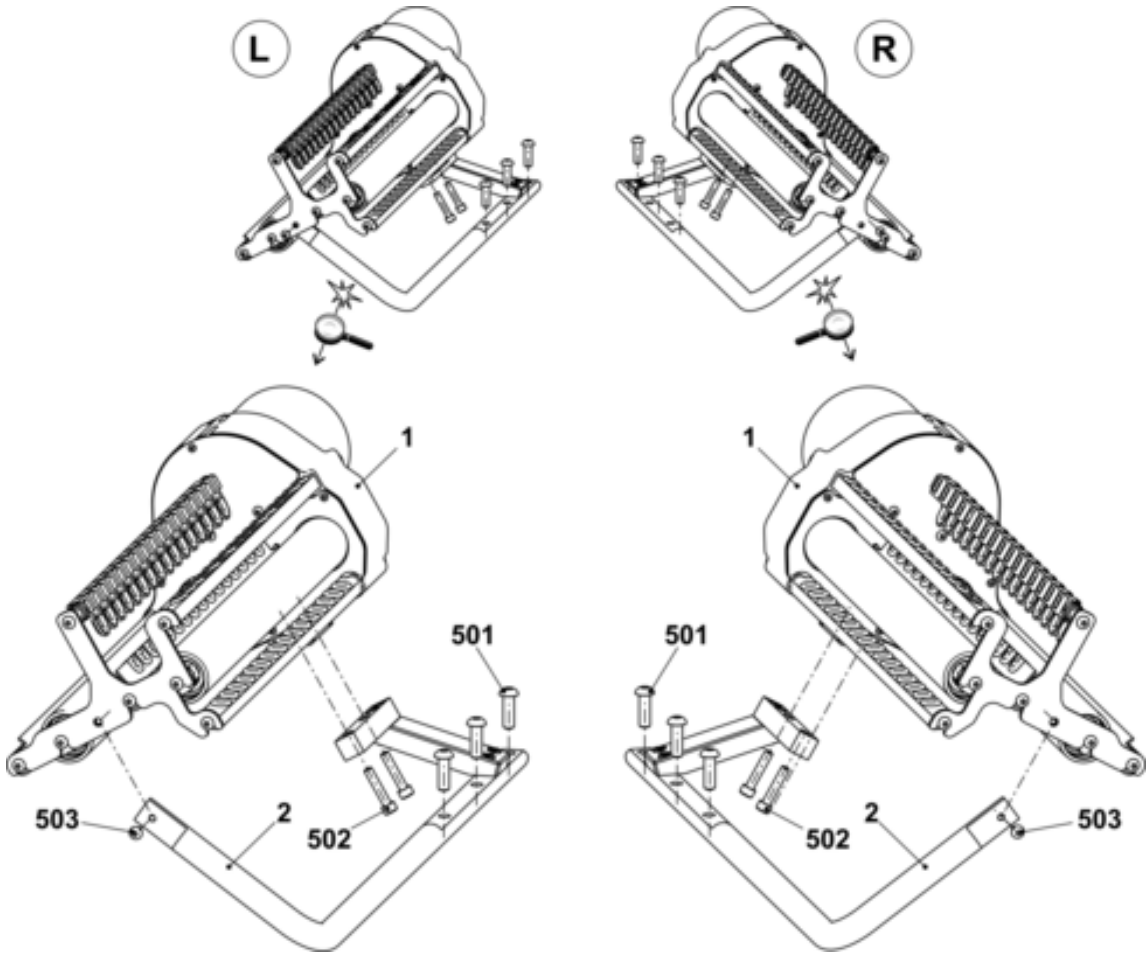
16.8 Bobbin holder on the right

Pos	Designation	ID		Pos	Designation	ID
Σ	Bobbin holder on the right	253 966		501	Pan head screw M4x25	023 511
1	Support	253 969		502	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 screw M4x16	023 412
6	Yarn detector Massardi	226 964		508	Pan-head screw M4x12	023 062
7	Clamp	228 583		509	Pan head screw M8x16	023 113
8	Slot nut	228 851		510	Pan head screw M8x18	251 331
10	Cover	253 968		511	Pan head screw M6x30	023 451
11	Holding angle	253 964		512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963		513	Pan head screw M4x6	022 946
13	Holding angle	253 967		514	Pan head screw M4x10	023 450
14	Cable plating	253 468		515	Cap nut M4-6	253 805



16.9 Conversion kit friction feed wheel

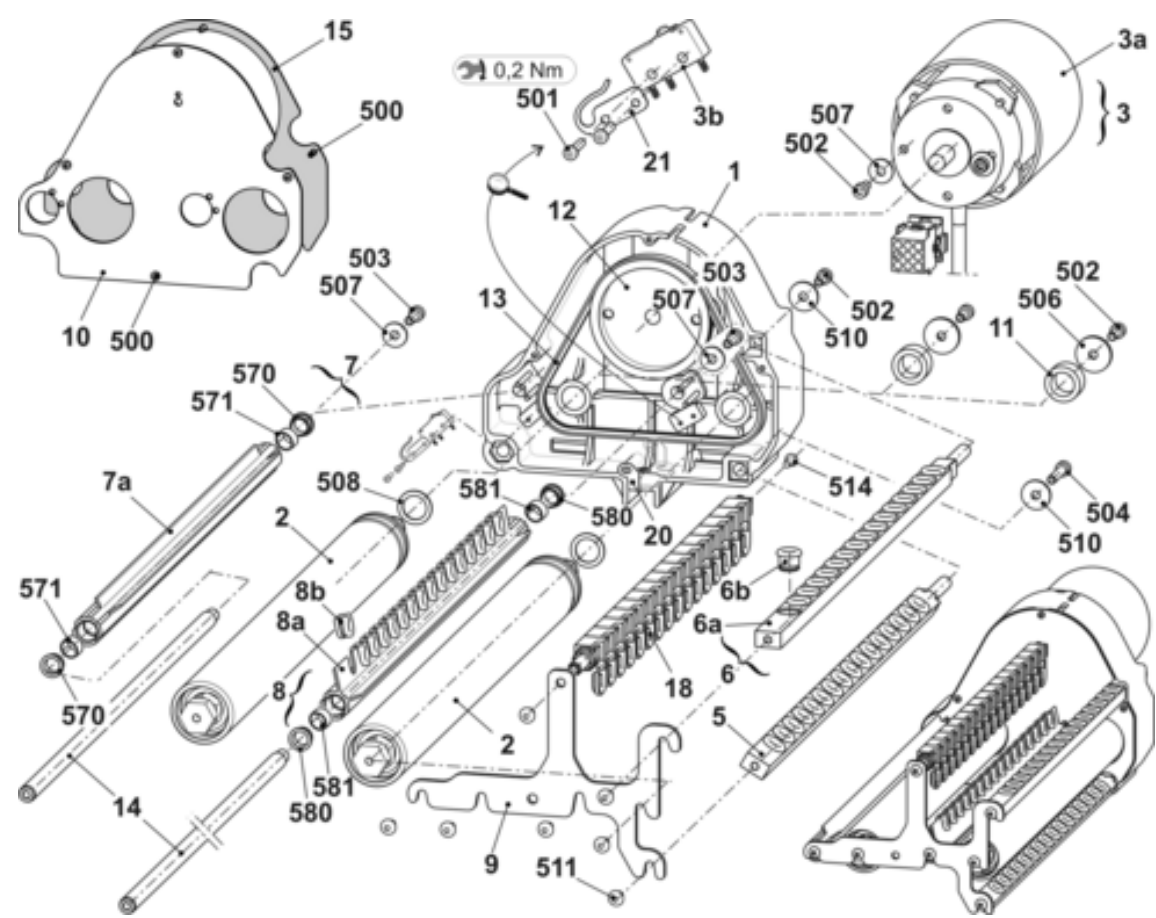
Pos	Designation	ID		Pos	Designation	ID
Σ	Conversion kit friction feed wheel	259 182				
1	Friction feed wheel on the left	244 185		1	Friction feed wheel on the right	244 186
2	Support on the left	243 869		2	Support right	244 142
501	Pan-head screw M8x25	023 027		501	Pan-head screw M8x25	023 027
502	Cap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



16.9 Conversion kit friction feed wheel

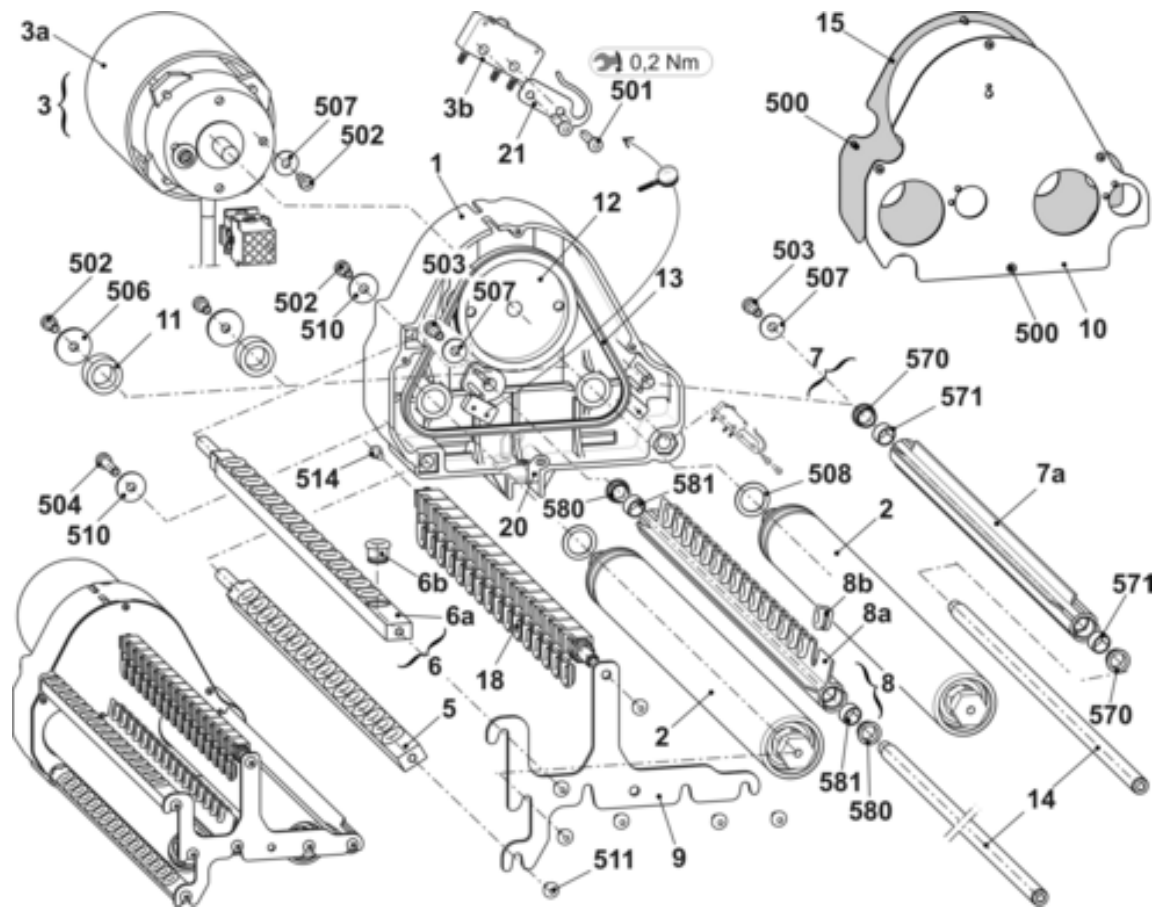
16.9.1 Friction feed wheel on the left

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 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 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 screw M5x8	239 408
9	Bracket	251 113		514	Pan head screw M4x8	023 579



16.9.2 Friction feed wheel on the right

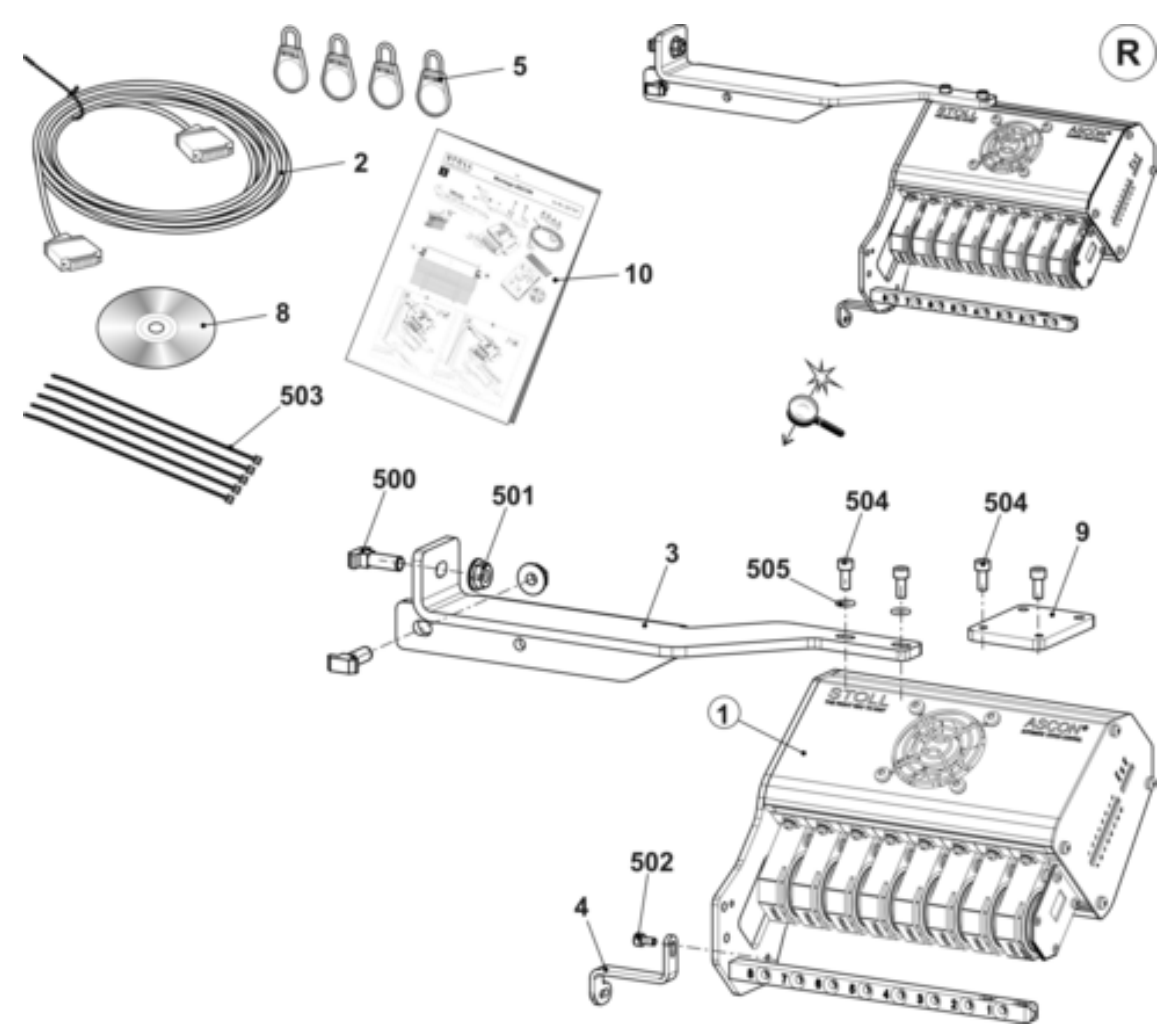
Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the right complete	244 186	10	Cover	251 098
1	Housing	240 368	11	Bush	221 391
2	Friction roller complete	243 860	12	V-ribbed belt pulley	221 268
3	Three-phase AC motor 3x42V complete	219 800	13	Ribbed V-belt	206 927
	3a Three-phase 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	Washer5,3x22x2,5	023 219
	8a Stop motion rail on the right	244 531	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 screw M5x8	239 408
9	Bracket	251 113	514	Pan head screw M4x8	023 579



16.10 Yarn length measuring device on the right complete

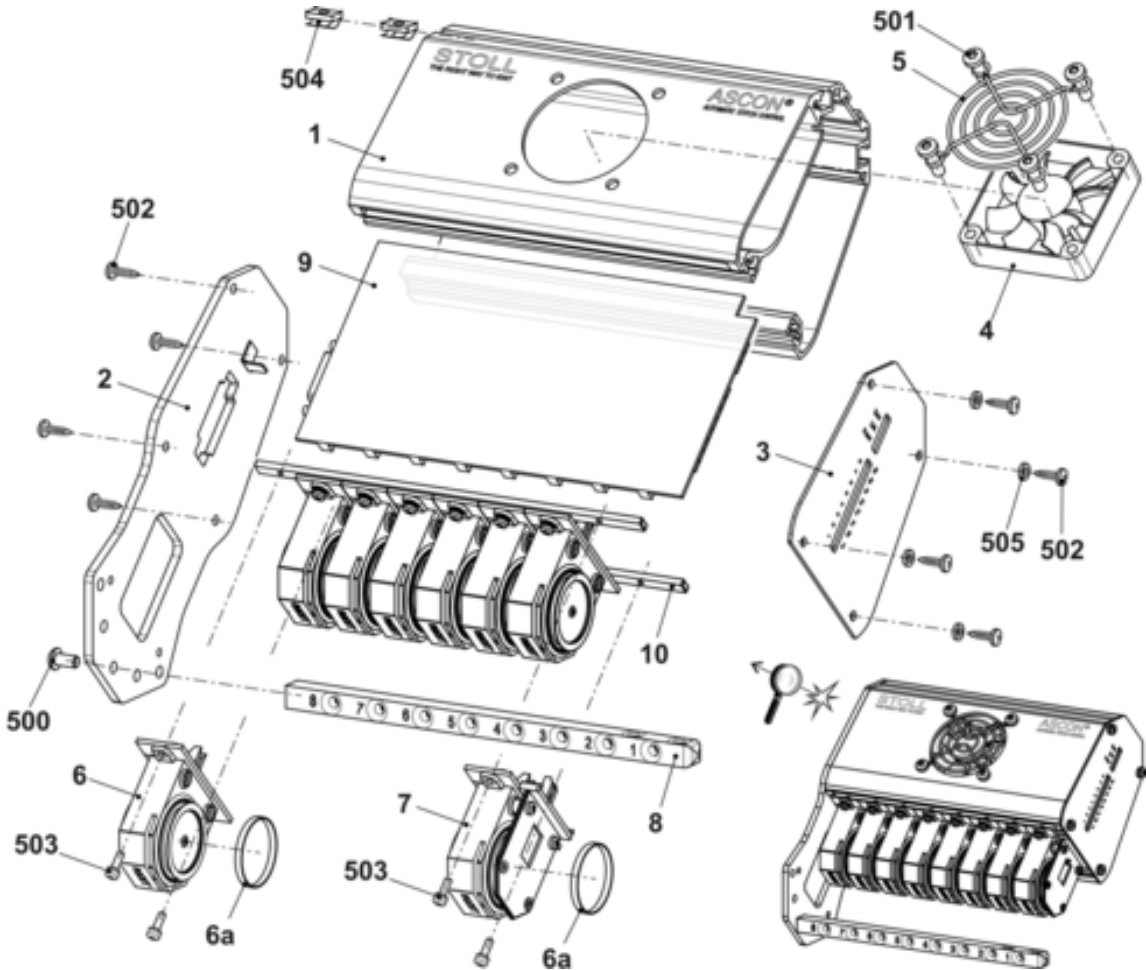
16.10 Yarn length measuring device on the right complete

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		10	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 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	Washer5	020 871



16.10.1 Yarn length measuring device on the right

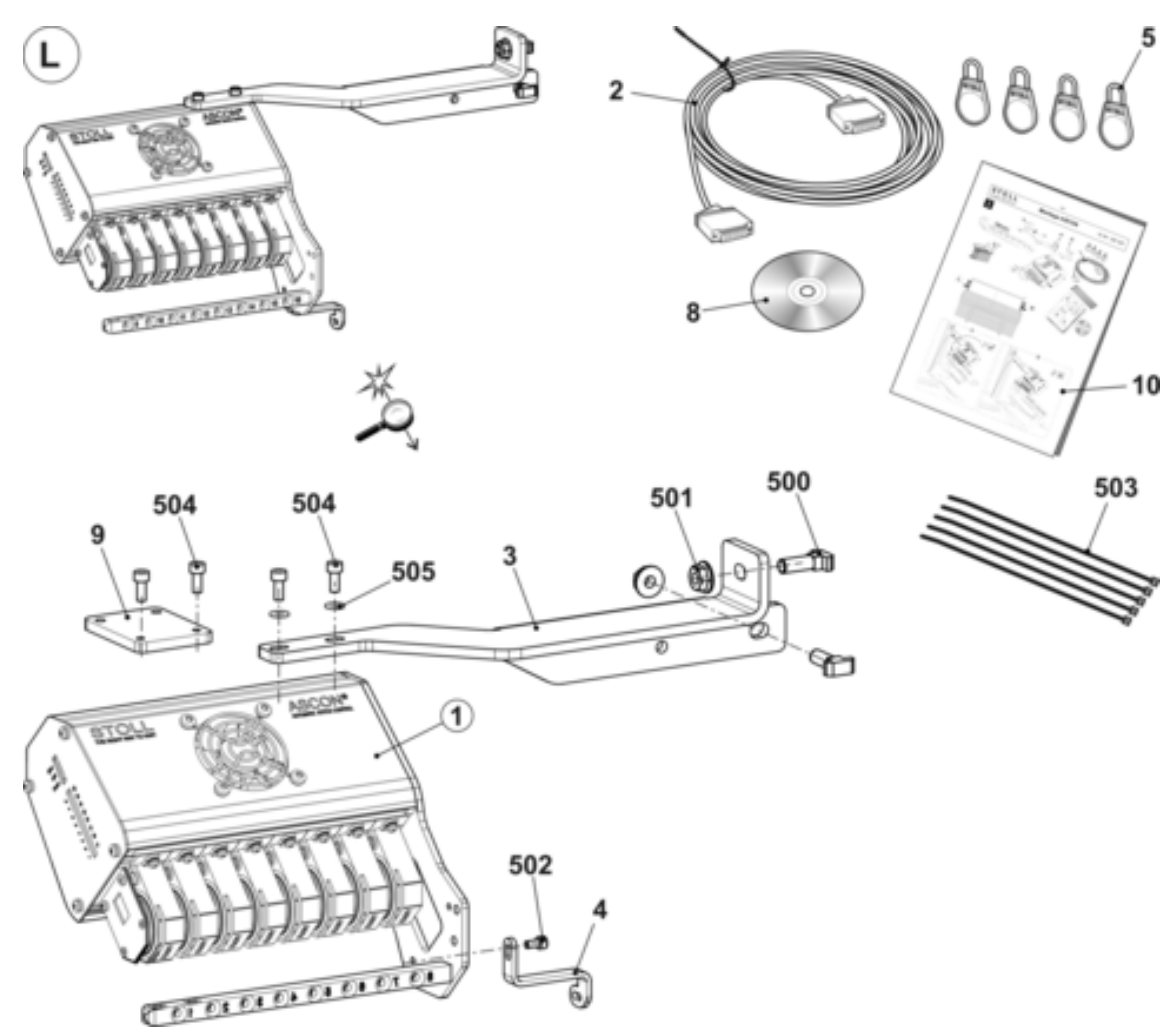
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 282		8	Yarn guide rod	257 139
1	Housing	257 281		9	Card Ascon	255 000
2	Support	257 278		10	Threaded strip	257 138
3	Cover	257 273		500	Pan-head screw M5x10	023 247
4	Fan with plug	257 048		501	Screw 50x15	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



16.11 Yarn length measuring device on the left complete

16.11 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	Washer5	020 871



16.11.1 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

