

Spare-parts catalog

CMS 822 (Type 632)

Component type 003

E5 | E7 | E8 | E5m.4 | E7m.5 | E7m.8 | E8m.7 | E2,5.2 k&w | E3,5.2 k&w | E5.2
k&w | E2,5.2m.4L | E3,5.2m.4L | E2,5.2 mg | E3,5.2 mg | E5.2 mg

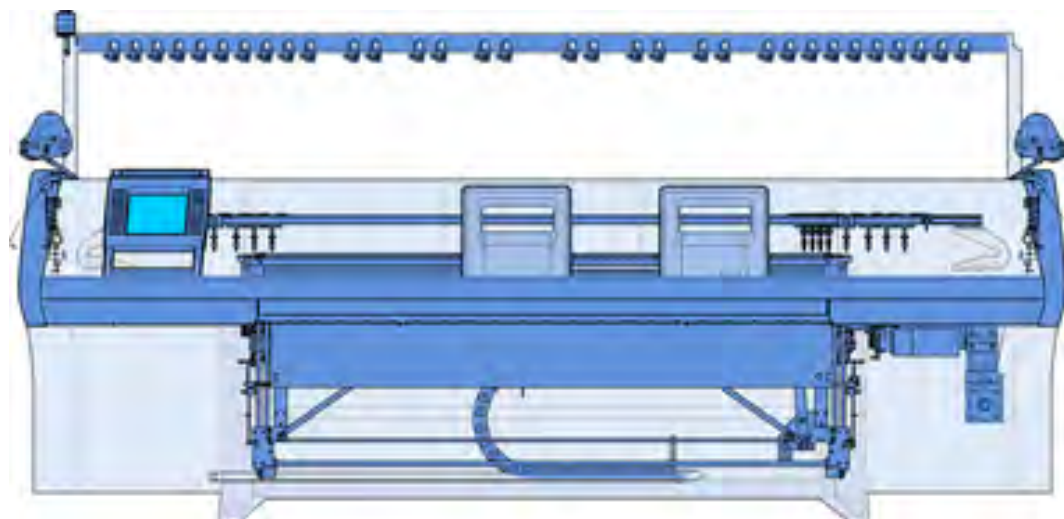


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1 Introduction

Imprint

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The indications of this catalog are without liability.

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Notes for the order

This catalog serves to order spare parts.

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

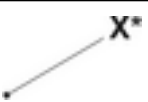
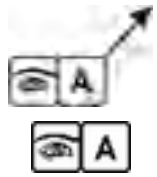
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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

Only genuine STOLL spare parts may be used for repairs.

1.1 Search help

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

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

1.2 Torques

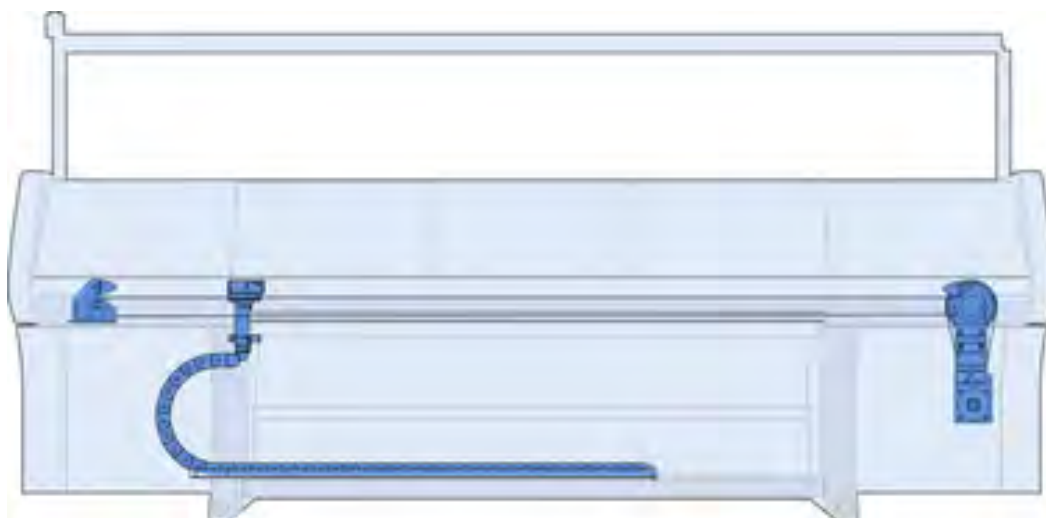
Drehmomente Torques Couples Coppias Momentos de rotación		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clasas de resistencia		
[Nm] ± 10 % (für $\mu_{\text{ges}} = 0,12$)		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filatto regolatore Filete regulador	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.

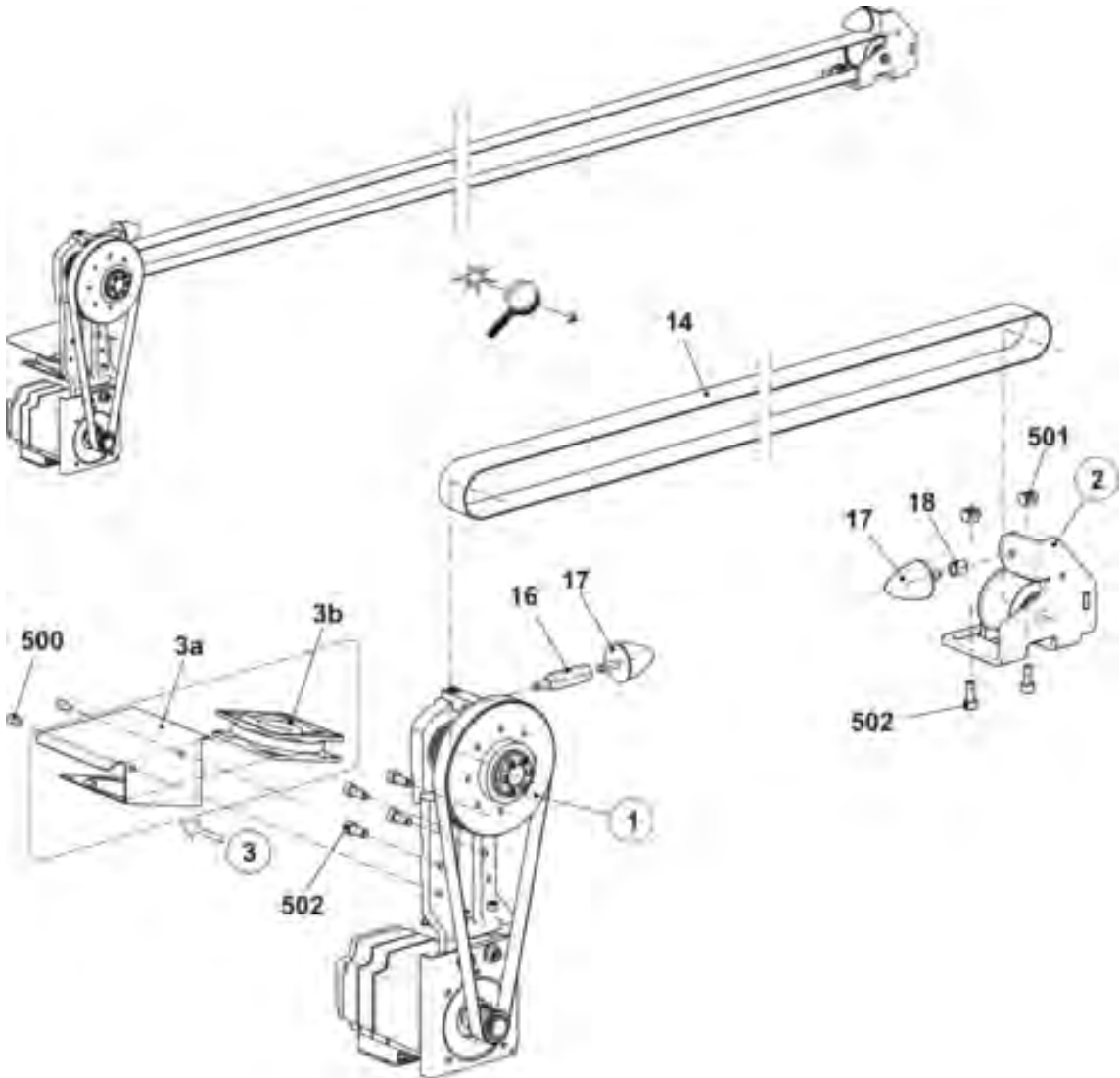
Notes:

2 Carriage drive



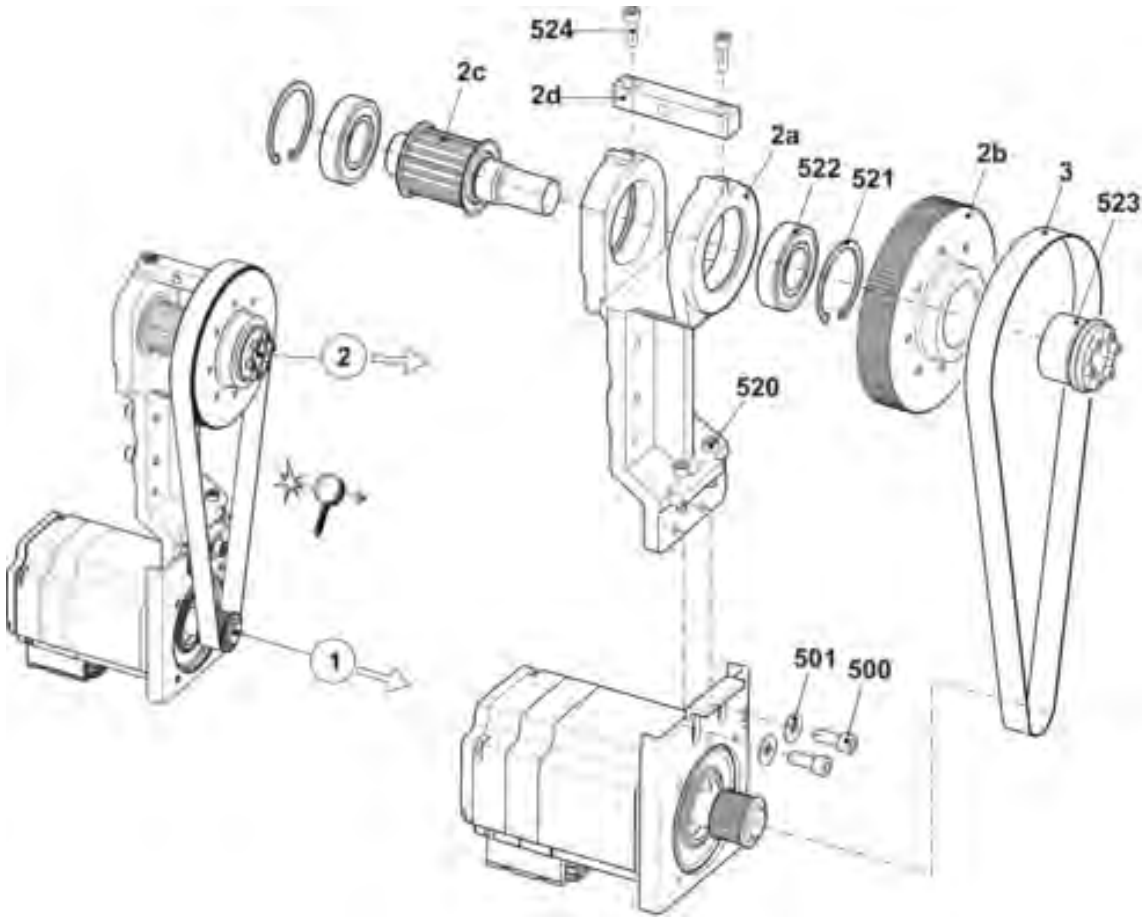
2.1 Drive

Pos	Designation		Id. no.	Pos	Designation		Id. no.
Σ	Drive unit						
1	Drive unit complete		240 743	16	Hexagon bolt		238 922
2	Tension bearing complete		251 581	17	Parabolic spring		200 661
3	Fan complete		242 413	18	Spacer pipe		222 099
	3a	Fan plate drive motor	241 823	500	Cap screws M8x12		023 138
	3b	Fan complete512	213 722	501	Sliding nut M10X12		023 471
14	Toothed belt50AT10/7150		236 656	502	Cap screw M10X25		020 157



2.1.1 Motor and belt drive

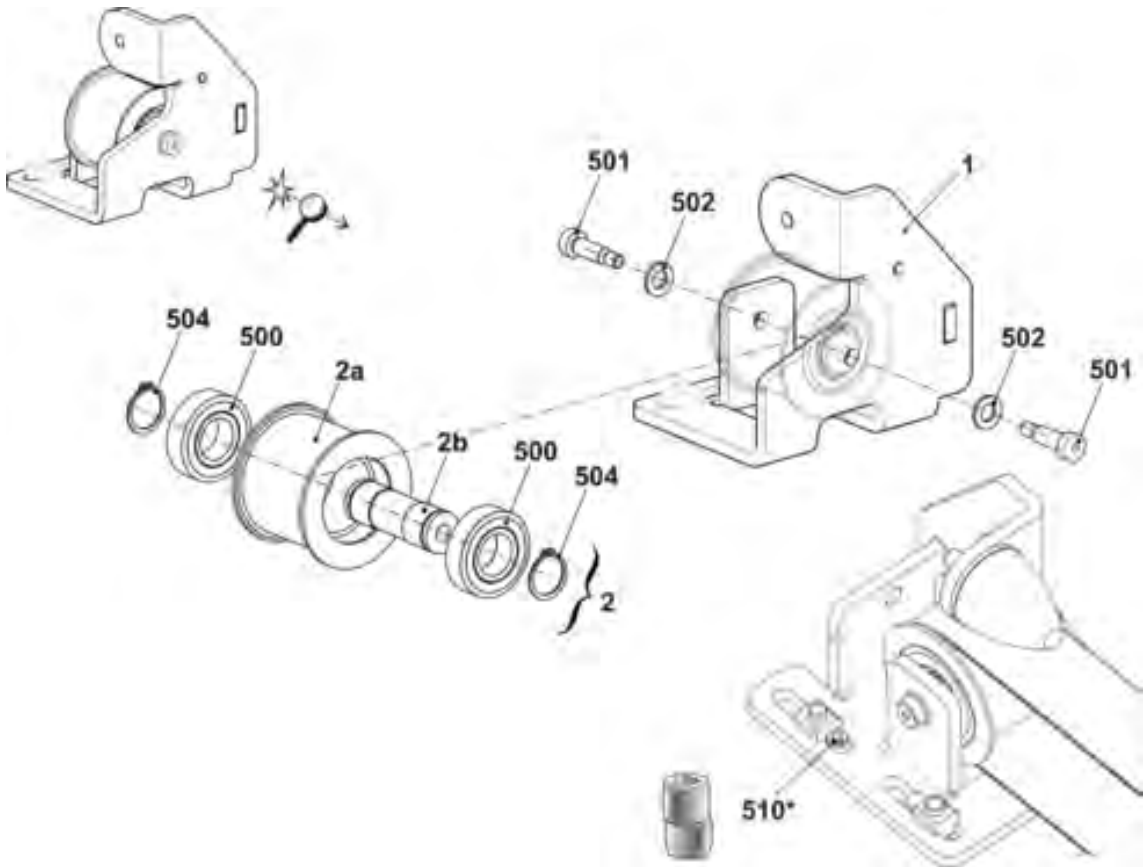
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Drive unit complete	240 743				
1	Drive unit	256 301		521	Retaining ring68x2.5	022 914
2	Drive bearing	255 005		522	Grooved ball bearing 6207-2RS	022 915
2a	Drive bearing ECO2	252 634		523	Tension set 30X55	023 208
2b	Toothed belt pulley	240 616		524	Cap screw M8X25 12.9	020 142
2c	Pinion57 AT10 18	242 039		3	Toothed belt250 HP-S5M 1050 NG	240 628
2d	Support of buffer	222 100		500	Cap screw M10X25	020 157
520	Cap screw M8X35	020 144		501	Disk10,5X25X2,5	022 178



2.1 Drive

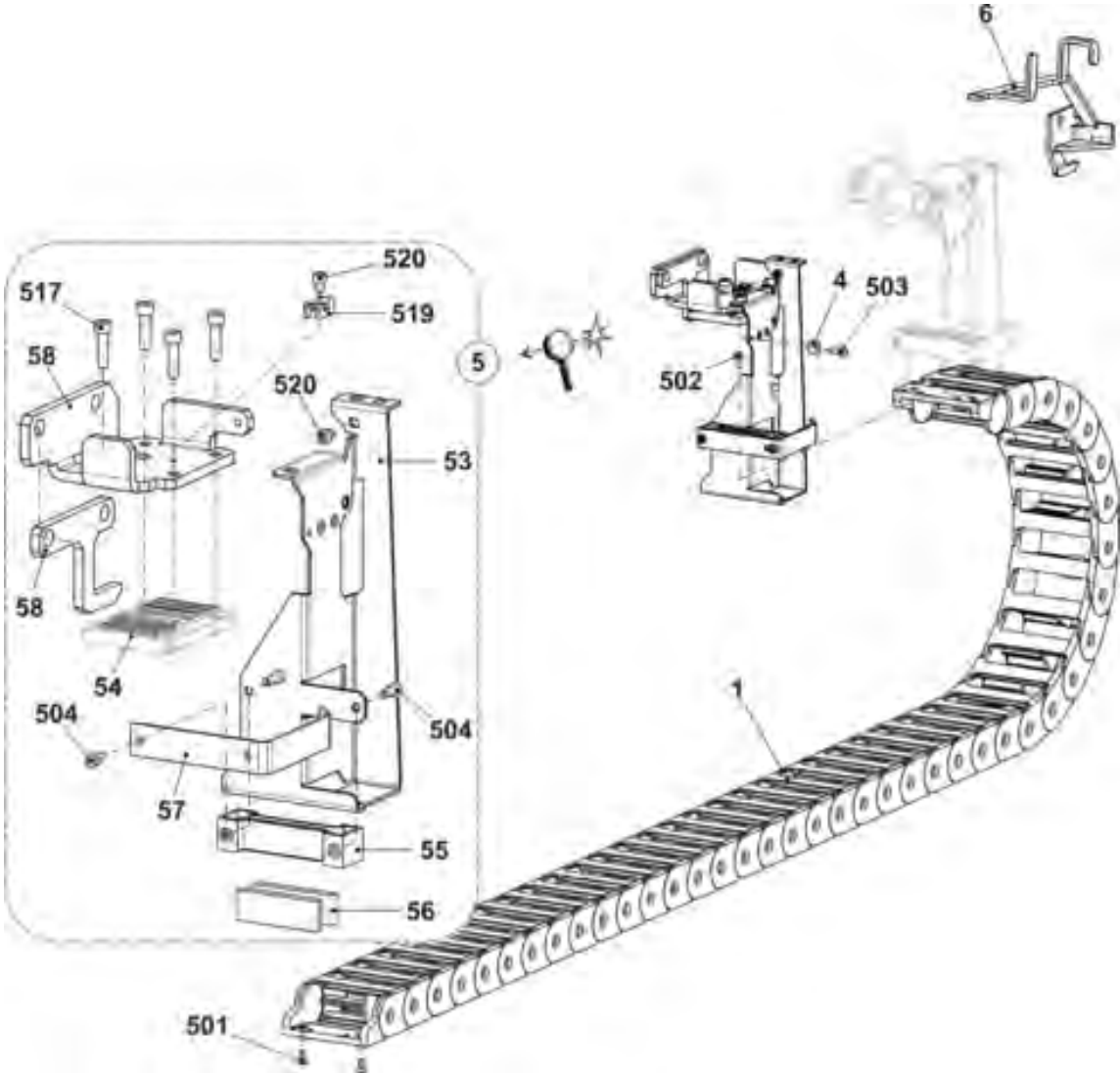
2.1.2 Tension bearing

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. no.		Pos	Designation		Id. no.
1	Energy chain 40 links		259 232		5	56	Cellular caoutchouc black	202 597
4	Threaded spacer		214 584			57	Cover strip	258 379
501	Cap screw M6x8		023 411			58	Switch flag carriage driver	259 278
502	Cap screw M6x16		020 135			59	Carriage driver	259 284
503	Cap screw M6x16		020 135			520	Cap screw M6x8	023 411
5	Carriage driver complete		259 281			504	Cap screw M6x12	020 134
	53	Cable driver	259 286			517	Cap screw M8x30	020 143
	54	Clamping plate	252 592			519	Fixing element	026 489
	55	Cable holder	204 688		6	Stop point with cable holder		258 005



2.2 Energy chain and plunger

Notes:

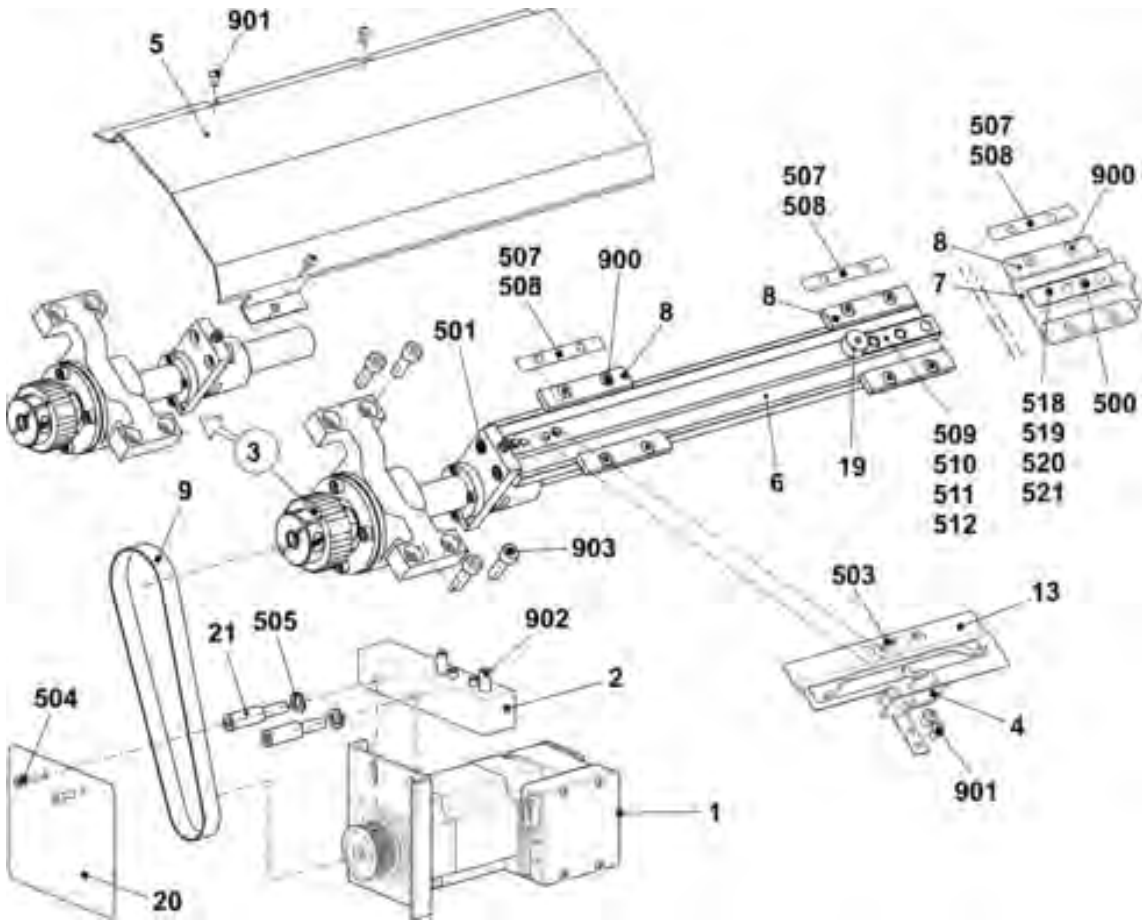
3 Racking



3.1 Racking drive

3.1 Racking drive

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Racking				
1	Racking motor complete	258 192	504	Cap screw M5x12	020 132
2	Bearing	227 605	505	Washer	022 175
3	Spindle bearing complete	253 262	507	Shim0,03x11x80	023 286
4	Card racking limit switch	229 396	508	Shim0,05x11x80	023 287
5	Racking cover plate	230 048	509	Shim0,03x15x85	023 162
6	Racking strip	241 921	510	Shim0,05x15x85	023 163
7	Racking strip on the left	240 696	511	Shim0,1x15x85	023 164
8	Guide strip	206 382	512	Shim0,2x15x85	023 170
9	Toothed belt150 S 5M 490	229 281	518	Shim0,03x15x75	023 395
13	Switch plate	240 722	519	Shim0,05x15x75	023 396
19	Stop screw	221 386	520	Shim0,1x15x75	023 397
20	Cover plate	232 544	521	Shim0,2x15x75	023 398
21	Distance bolt	232 543	900	Cap screw M6x12	022 795
500	Cap screw M4x4	022 767	901	Pan head screw M6x10	023 183
501	Cap screw M6x16	023 116	902	Cap screw M8x30	020 143
503	Pan head screw M6x10	023 183	903	Cap screw M8x25	020 142



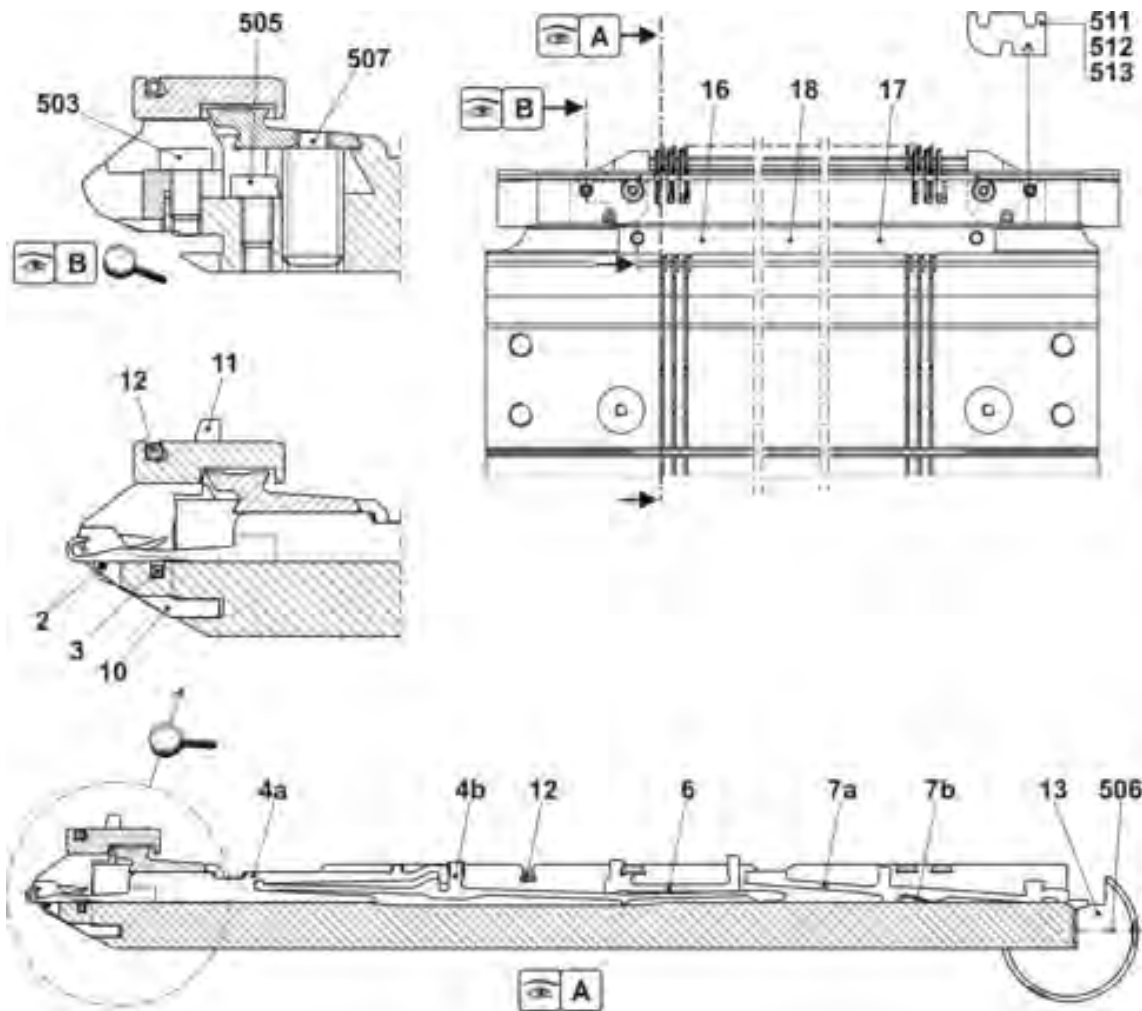
4 Needle beds



4.1 Needle bed E5

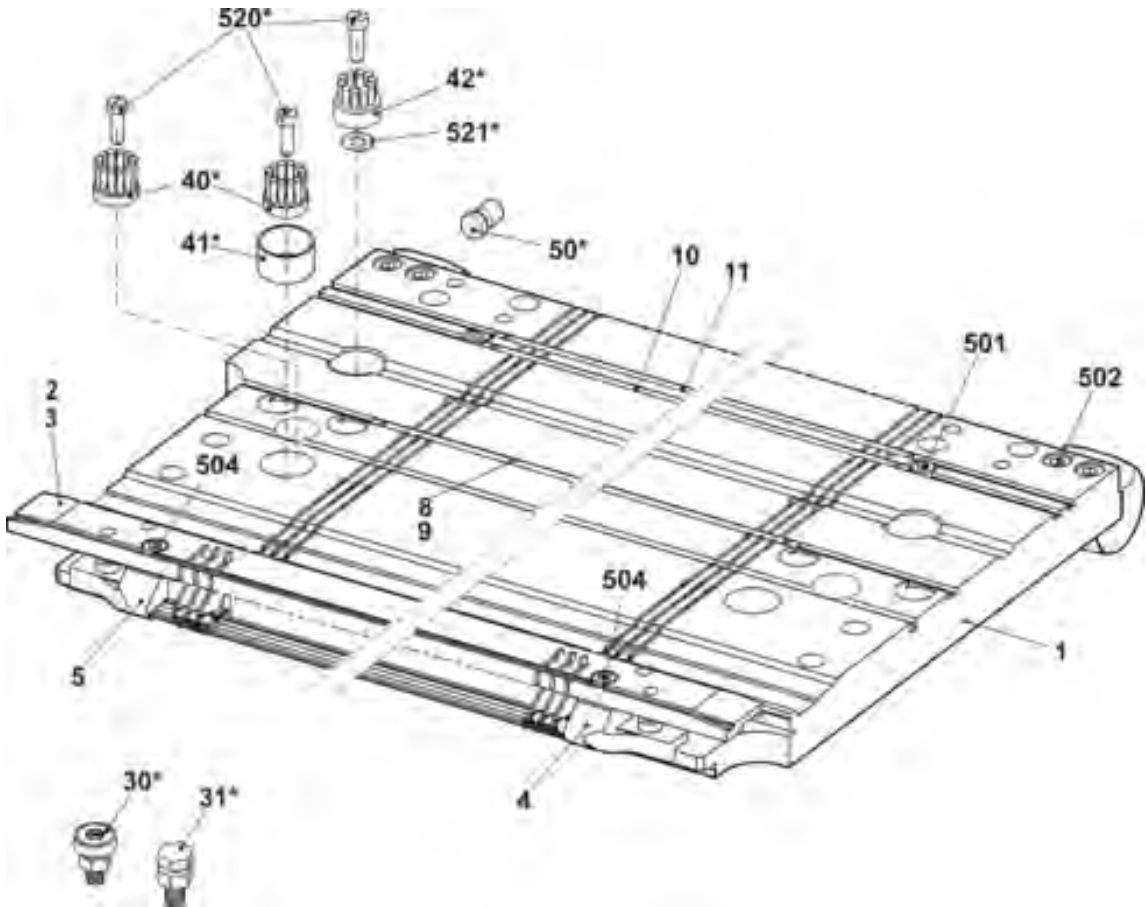
4.1 Needle bed E5

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE5	238 217		13	Support	206 352
2	Spring steel wire E4-5 Ø1,0	237 406		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E5-6 with round hook	205 396		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E5	204 996		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E5	205 031		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.1.1 Continuation needle bed E5

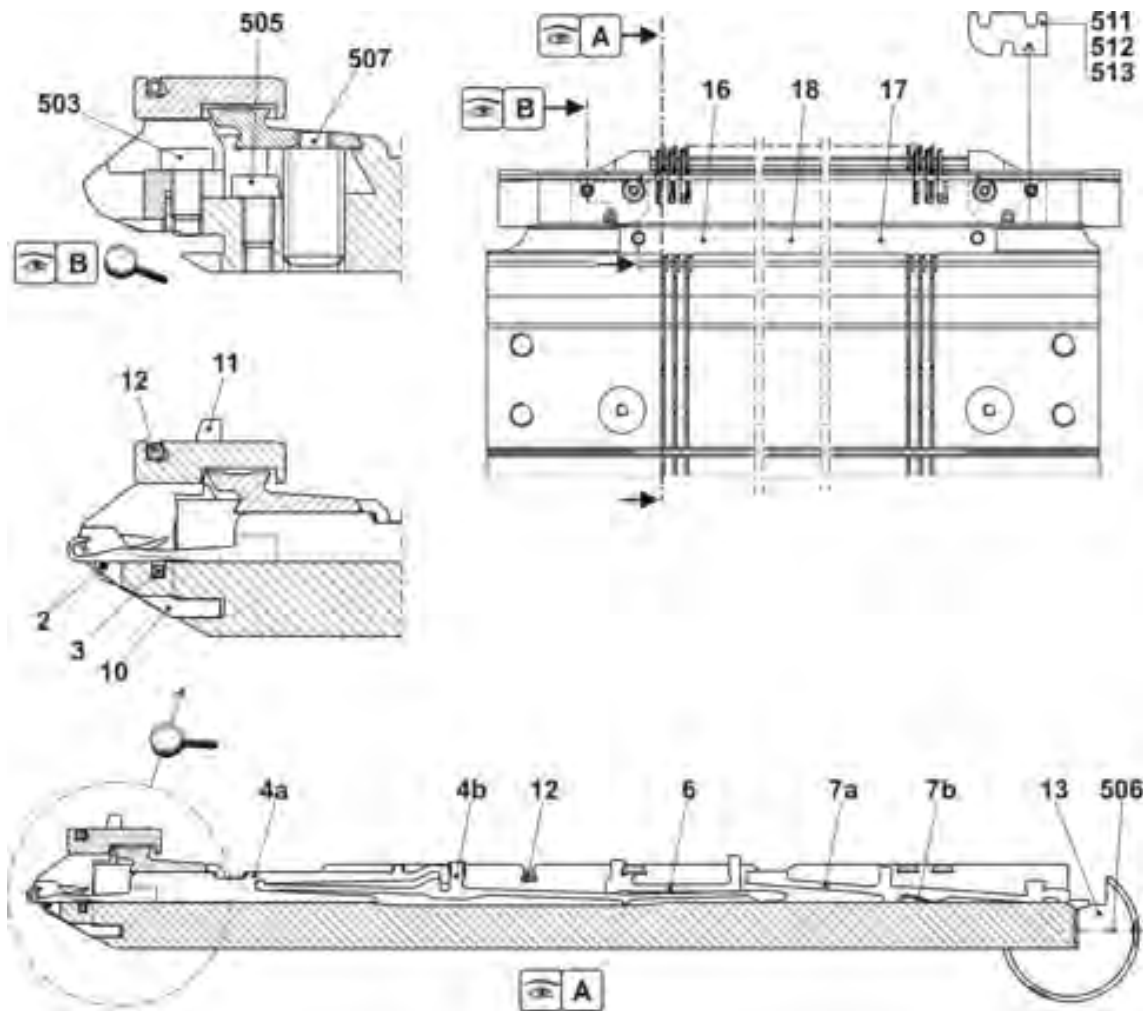
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE5	238 217				
1	Needle bed at the front + rearE5	238 005		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E5	238 027		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E5	238 021		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E5	237 377		42*	Disk brush	235 612
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.2 Needle bed E7

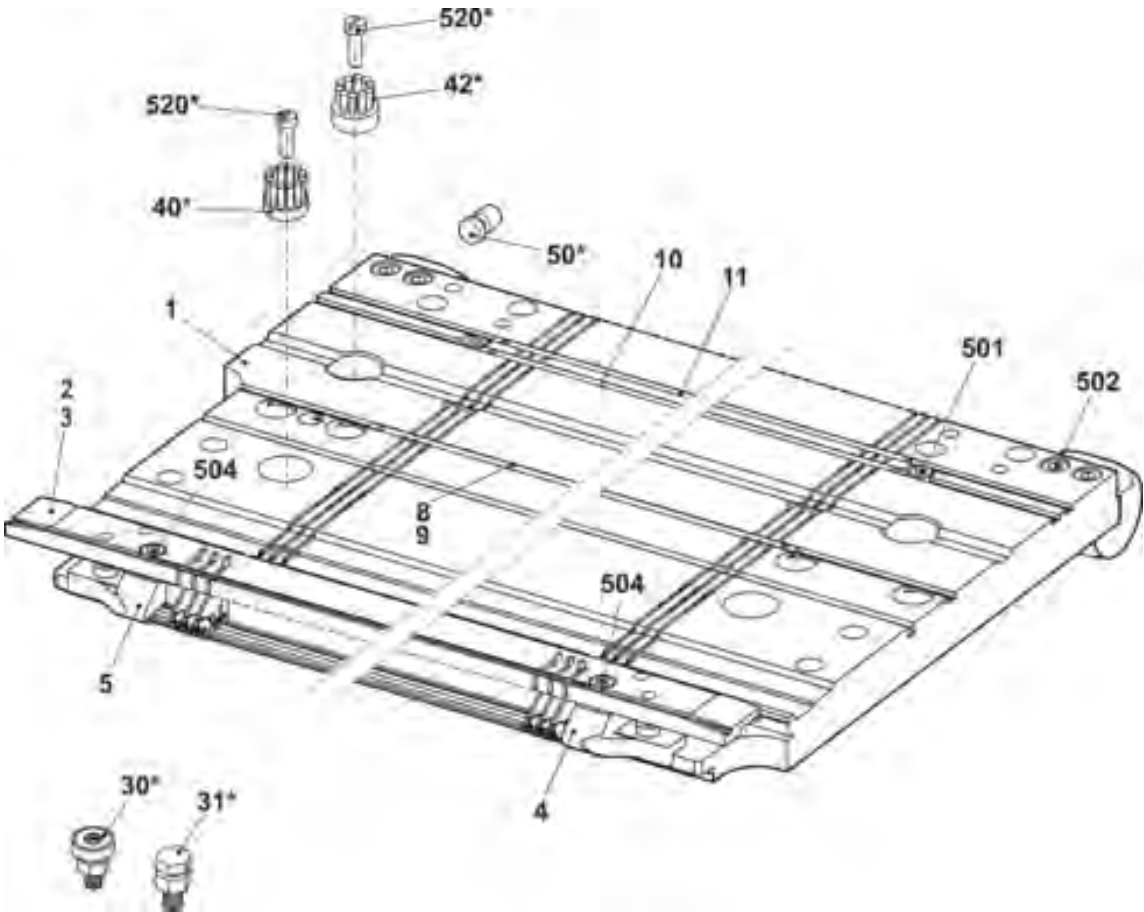
4.2 Needle bed E7

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE7	238 218		13	Support	206 352
2	Spring steel wire E7-8 Ø0,8	227 078		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E7 with round hook	205 397		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E7	207 055		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E7	205 032		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.2.1 Continuation needle bed E7

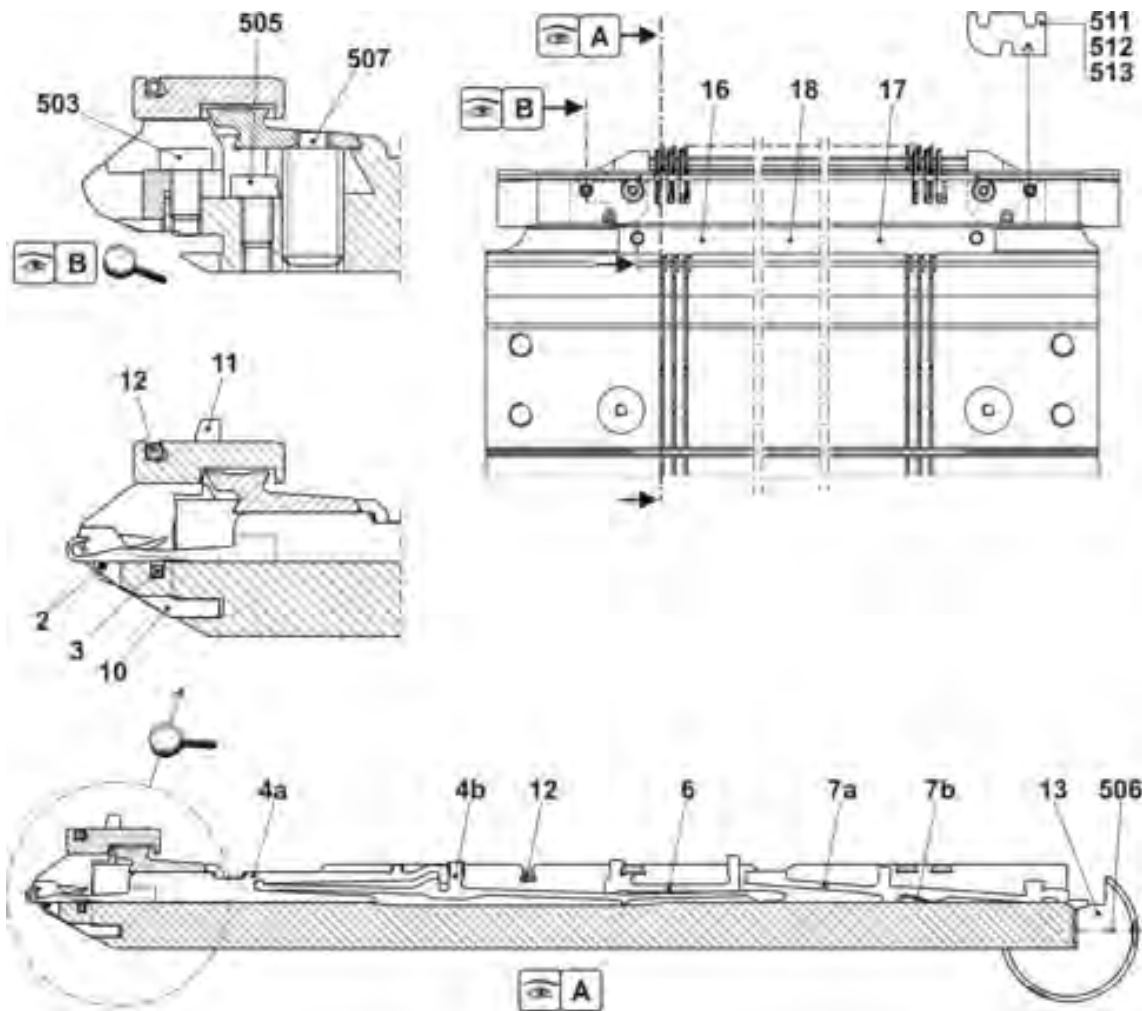
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE7	238 218				
1	Needle bed at the front + rearE7	238 006		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E7	238 028		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E7	238 022		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018		42*	Disk brush ø12	202 600
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.3 Needle bed E8

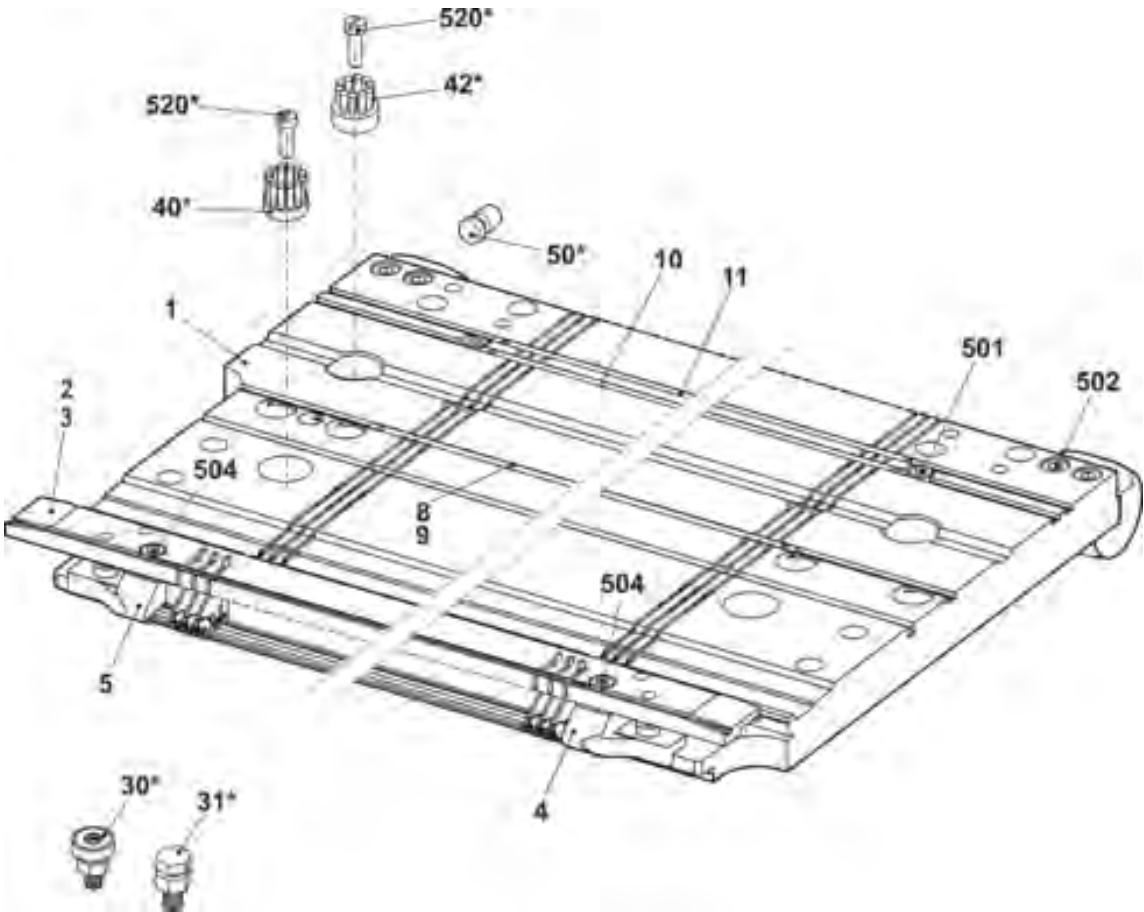
4.3 Needle bed E8

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE8	238 219		13	Support	206 352
2	Spring steel wire E7-8 Ø0,8	227 078		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E8 with round hook	208 745		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E8	207 054		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E8	205 028		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.3.1 Continuation needle bed E8

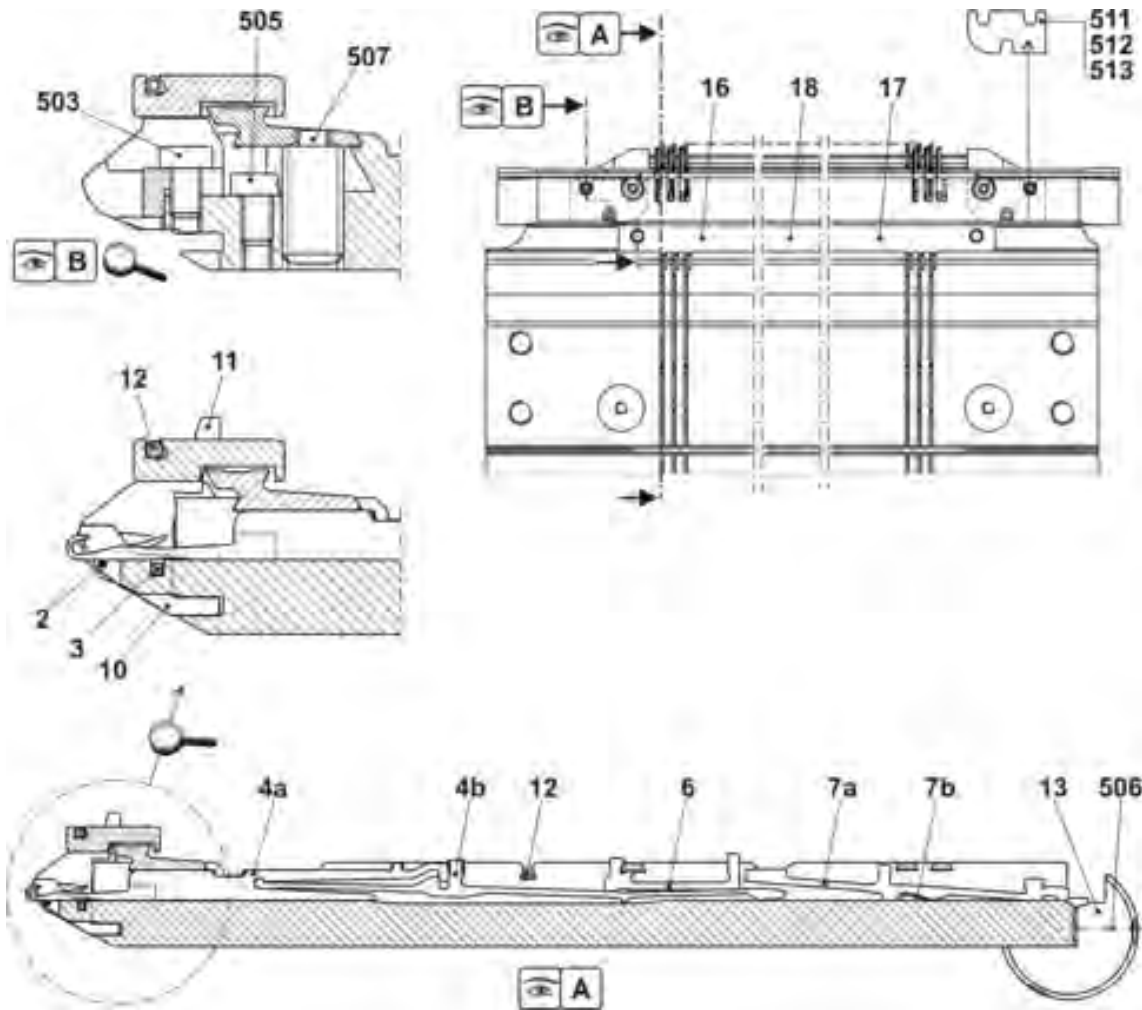
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE8	238 219				
1	Needle bed at the front + rearE8	238 007		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E8	238 029		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E8	238 023		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E8	238 015		42*	Disk brush ø12	202 600
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.4 Needle bed E5m.4

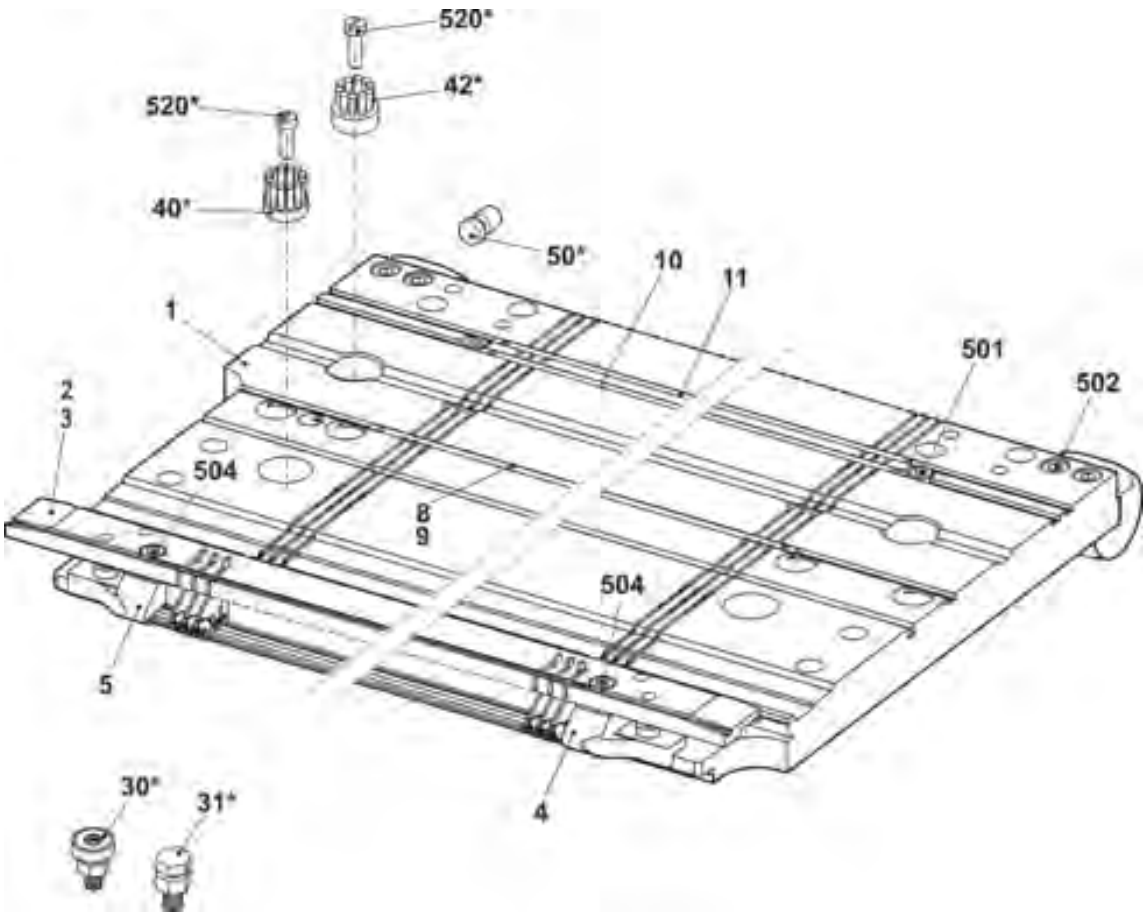
4.4 Needle bed E5m.4

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE5m.7	238 242		13	Support	206 352
2	Spring steel wire E4-5 Ø1,0	237 406		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E2,5.2-3,5.2	232 581		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E5	204 996		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E5	205 031		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.4.1 Continuation needle bed E5m.4

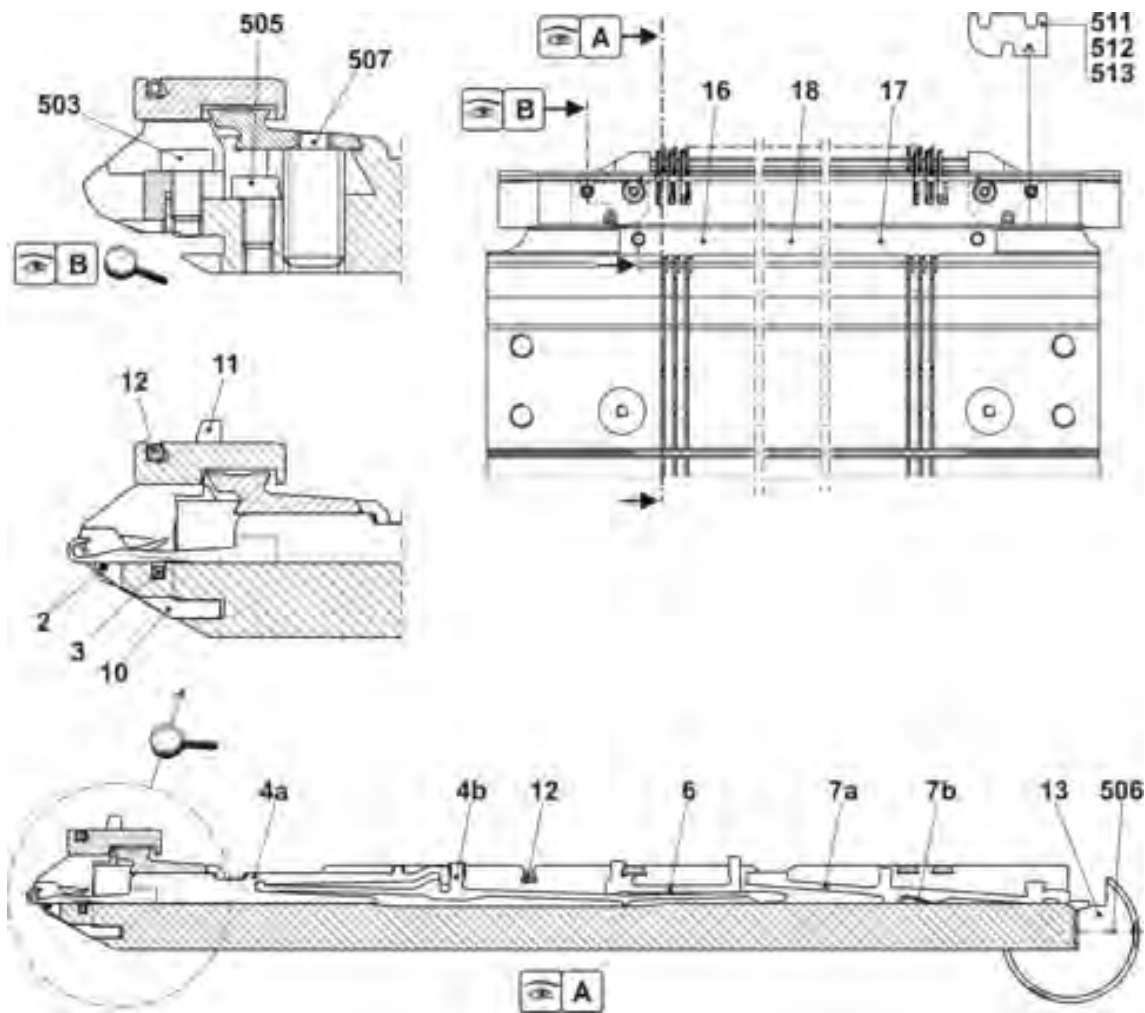
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE5m.4	238 242				
1	Needle bed at the front + rearE5	238 005		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E5	238 027		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E5	238 021		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E5	237 377		42*	Disk brush ø12	202 600
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.5 Needle bed E7m.5

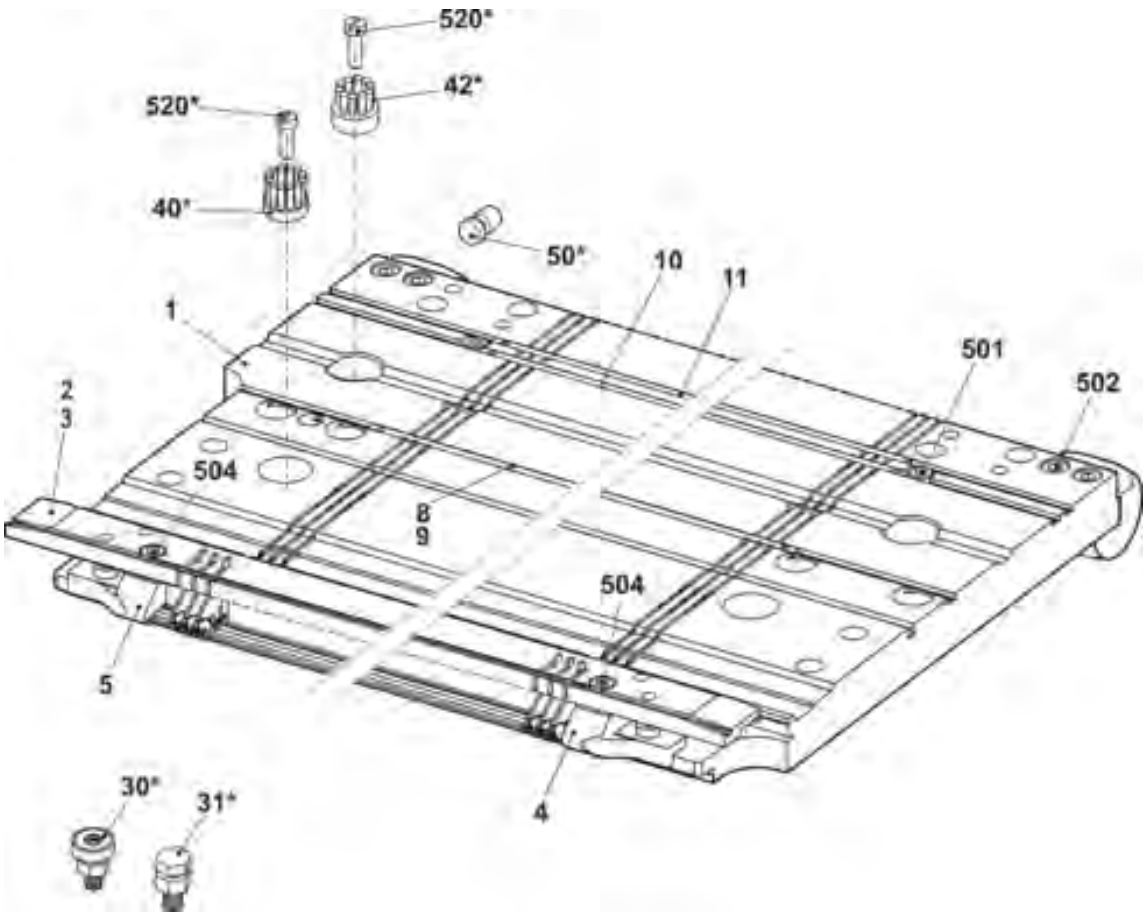
4.5 Needle bed E7m.5

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE7m.5	238 243		13	Support	206 352
2	Spring steel wire E7-8 Ø0,8	227 078		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E5-6 with round hook	205 396		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E7	207 055		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E7	205 032		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.5.1 Continuation needle bed E7m.5

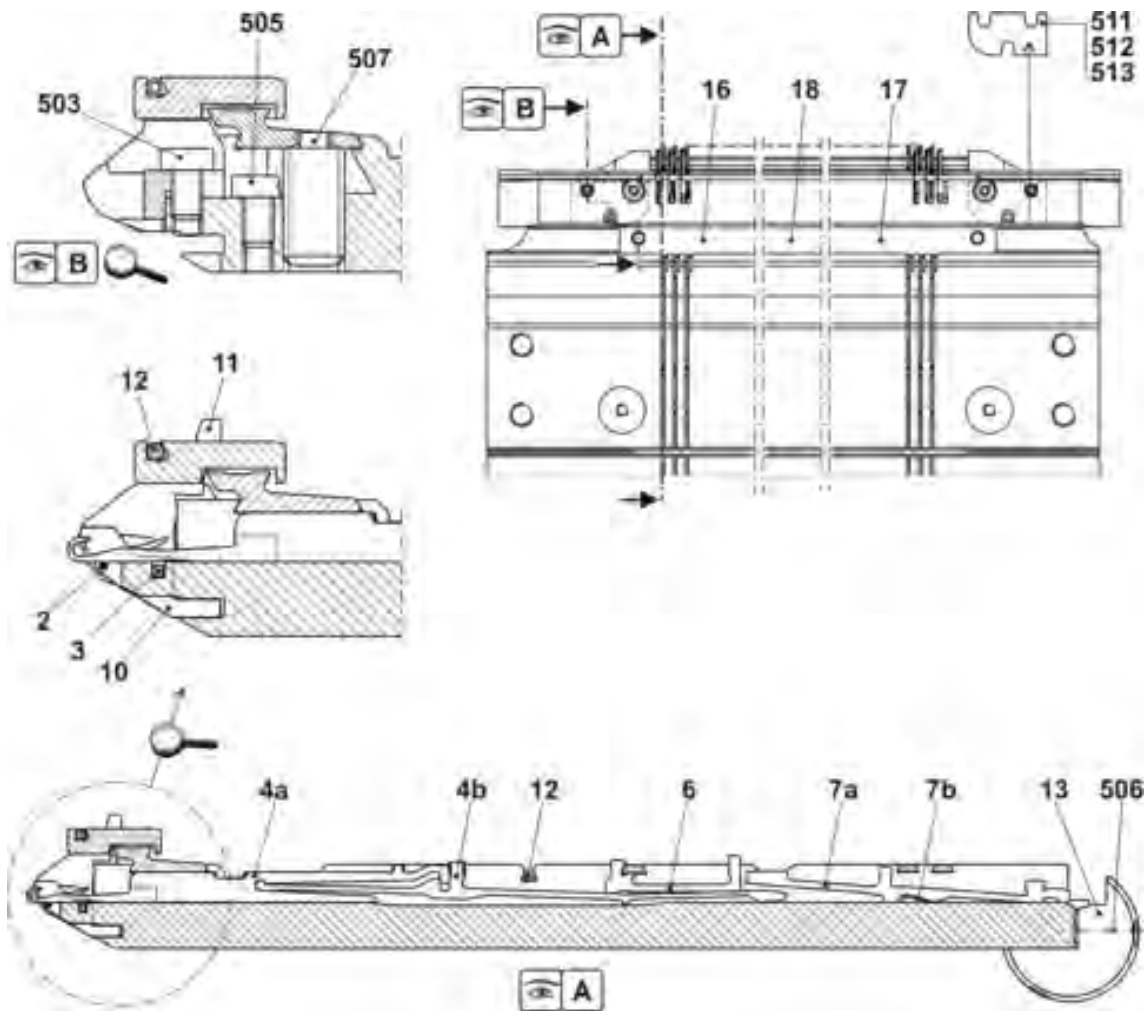
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE7m.5	238 243				
1	Needle bed at the front + rearE7	238 006		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E7	238 028		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E7	238 022		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018		42*	Disk brush ø12	202 600
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.6 Needle bed E7m.8

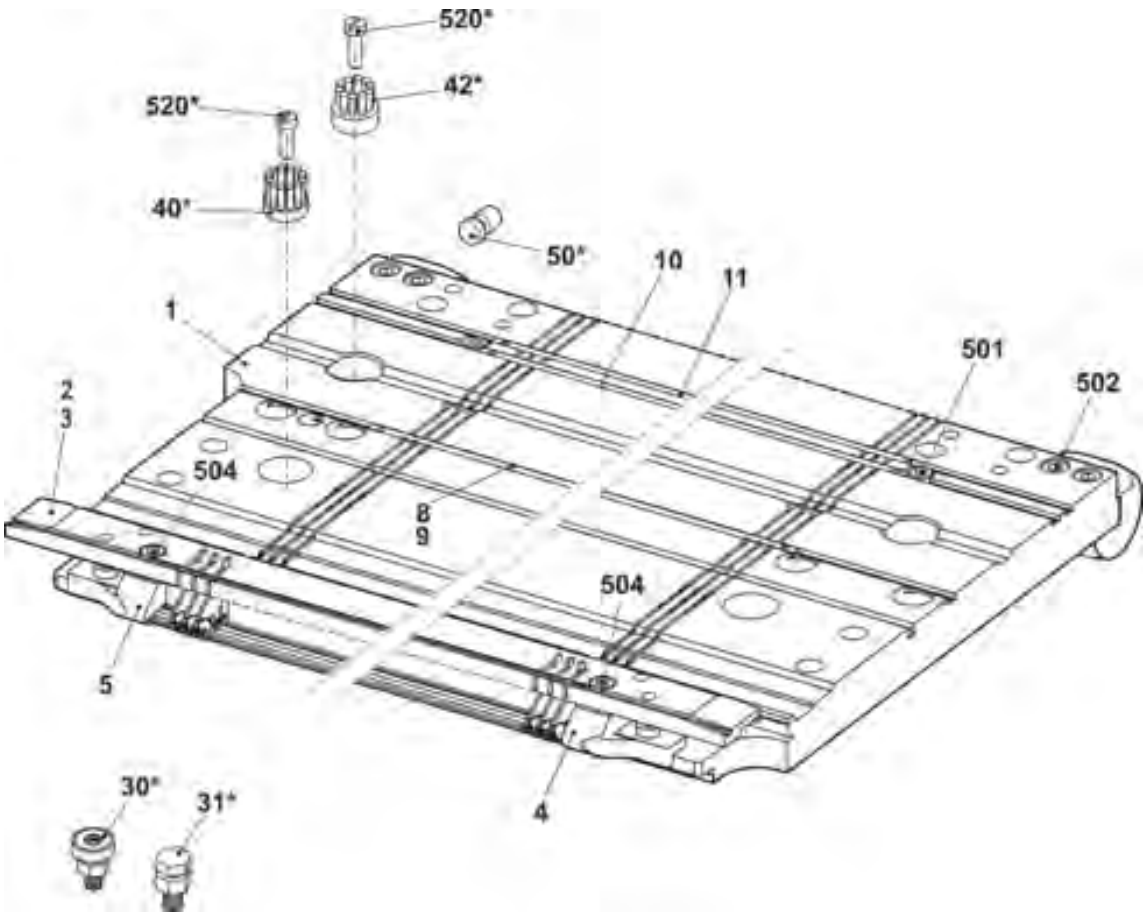
4.6 Needle bed E7m.8

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE7	238 244		13	Support	206 352
2	Spring steel wire E7-8 Ø0,8	227 078		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E8with round hook	208 745		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E7	207 055		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E7	205 032		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.6.1 Continuation needle bed E7m.8

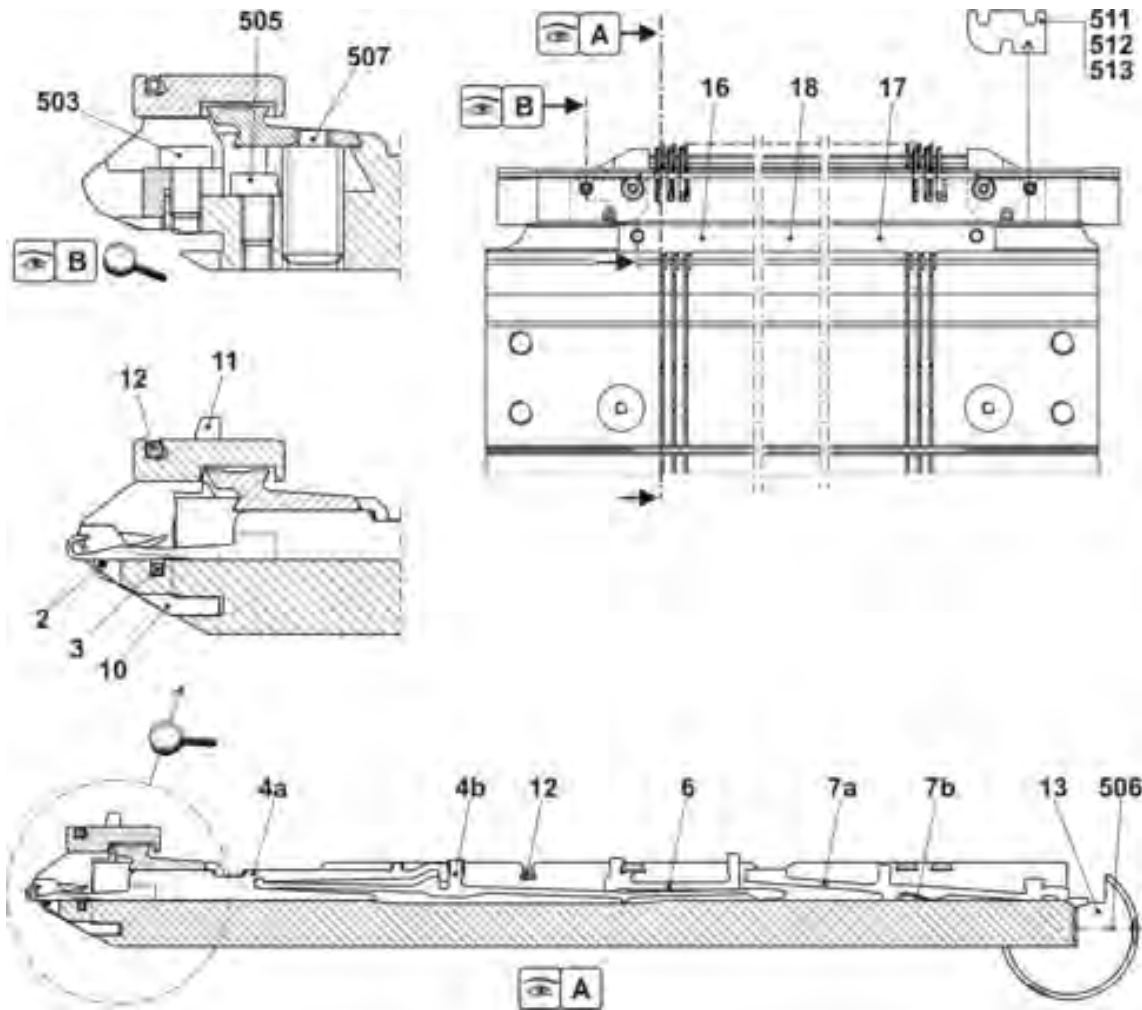
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE7m.8	238 244				
1	Needle bed at the front + rearE7	238 006		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E7	238 028		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E7	238 022		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018		42*	Disk brush ø12	202 600
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.7 Needle bed E8m.7

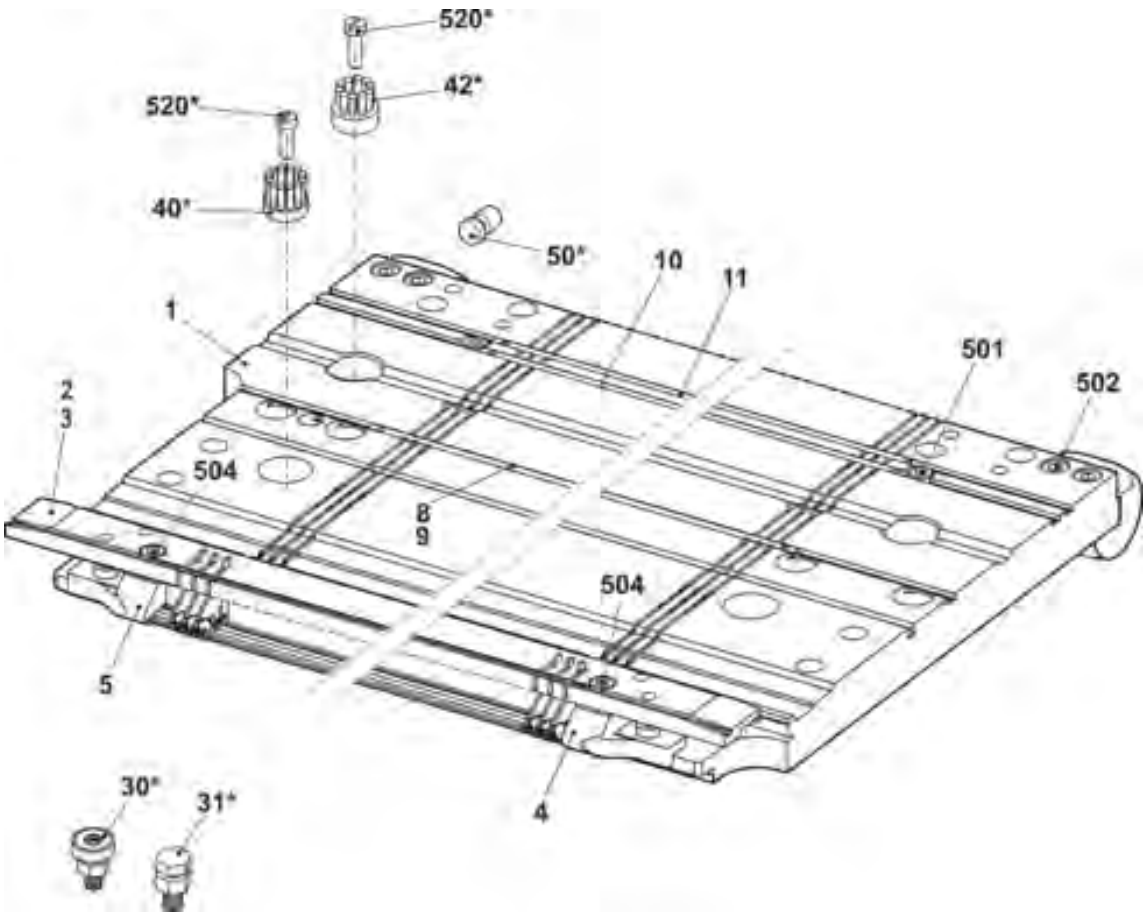
4.7 Needle bed E8m.7

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE8m.7	238 245		13	Support	206 352
2	Spring steel wire E7-8 Ø0,8	227 078		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E7 with round hook	205 397		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E8	207 054		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E8	205 028		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.7.1 Continuation needle bed E8m.7

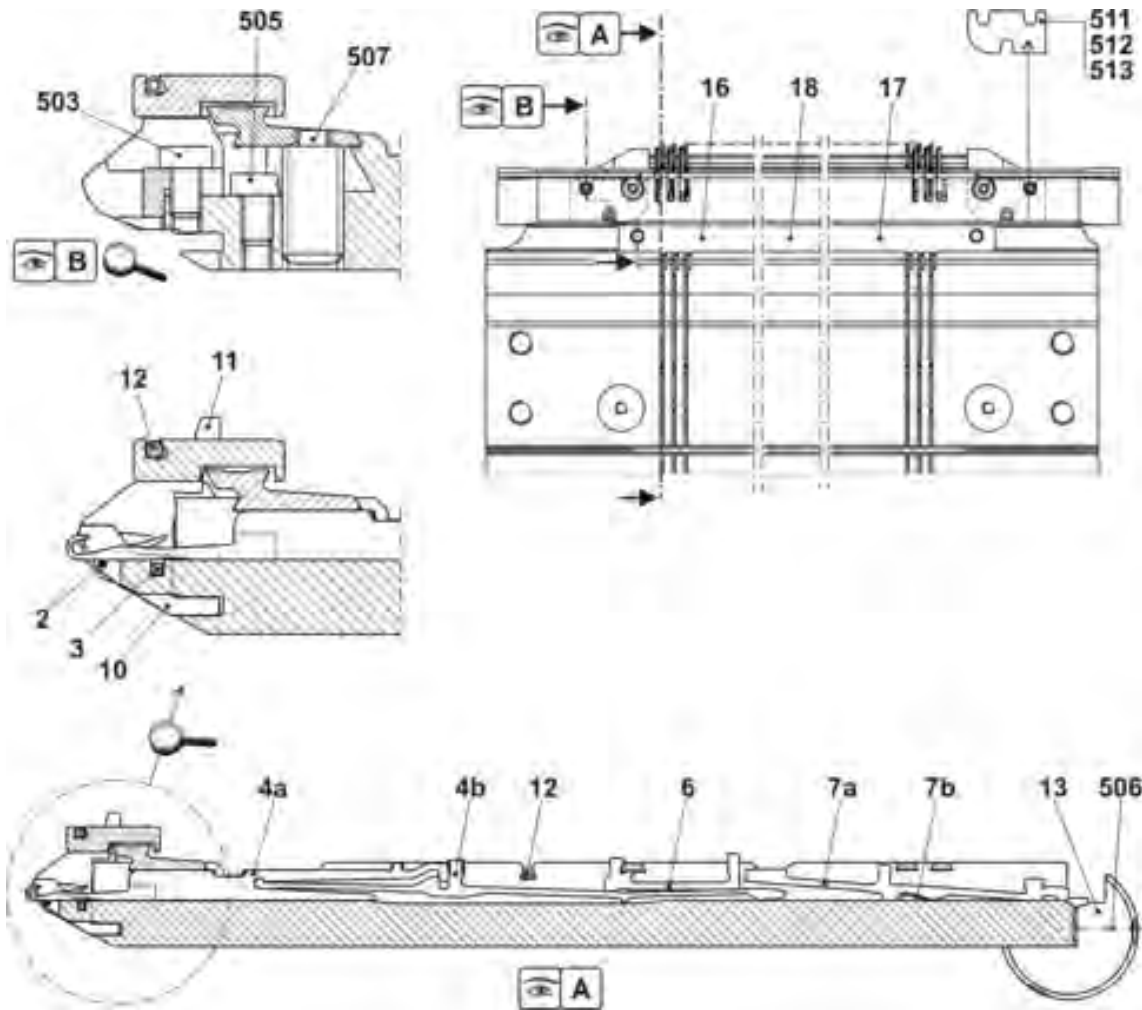
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE8m.7	238 245				
1	Needle bed at the front + rearE8	238 007		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E8	238 029		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E8	238 023		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E8	238 015		42*	Disk brush ø12	202 600
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.8 Needle bed E2,5.2 k&w

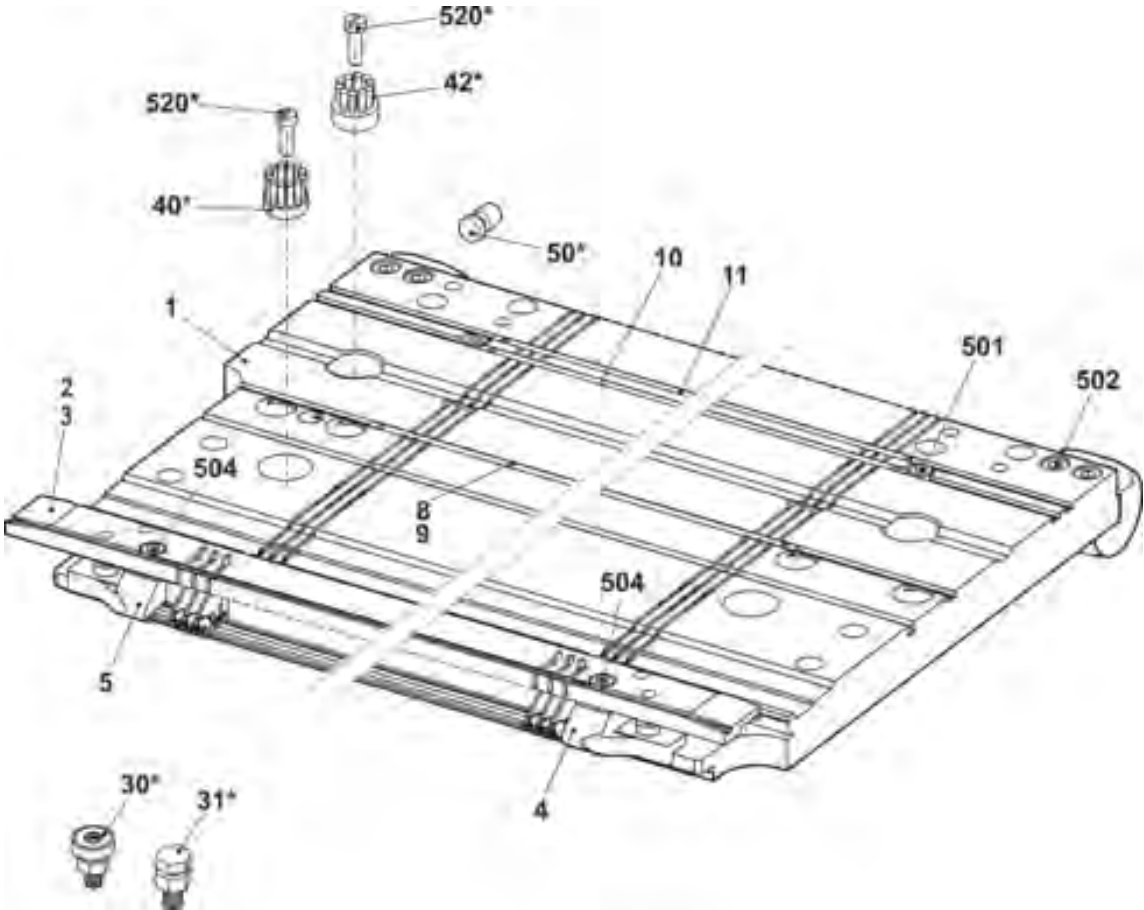
4.8 Needle bed E2,5.2 k&w

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE2,5.2	238 220		13	Support	206 352
2	Spring steel wire E4-5 Ø1,0	237 406		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E2,5.2-3,5.2	232 581		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E5	204 996		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E5	205 031		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.8.1 Continuation needle bed E2,5.2 k&w

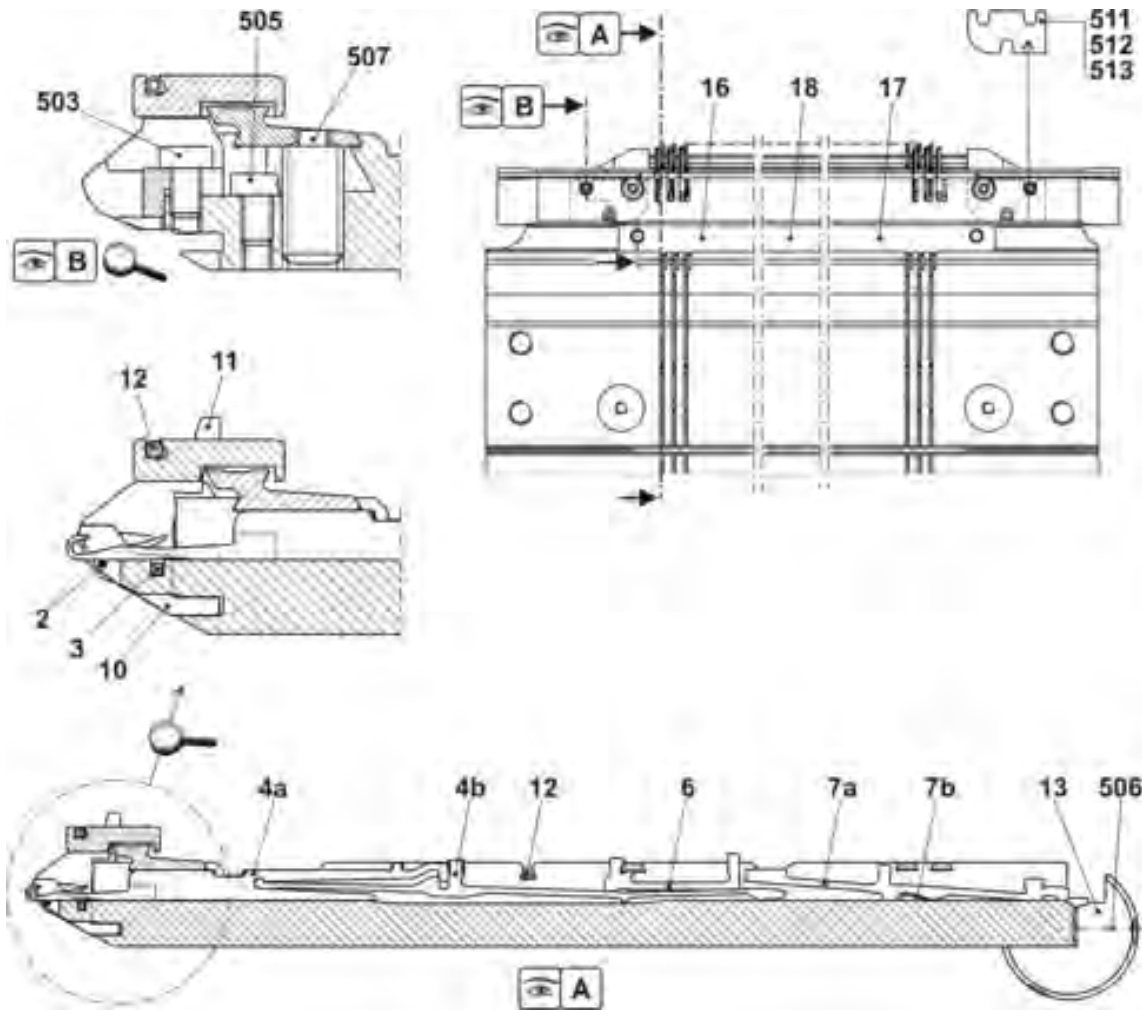
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE2,5.2	238 220				
1	Needle bed at the front + rearE5	238 005		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rearE2,5.2 KW	237 497		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E2,5.2 KW	237 489		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front	237 377		42*	Disk brush ø12	235 612
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.9 Needle bed E3,5.2 k&w

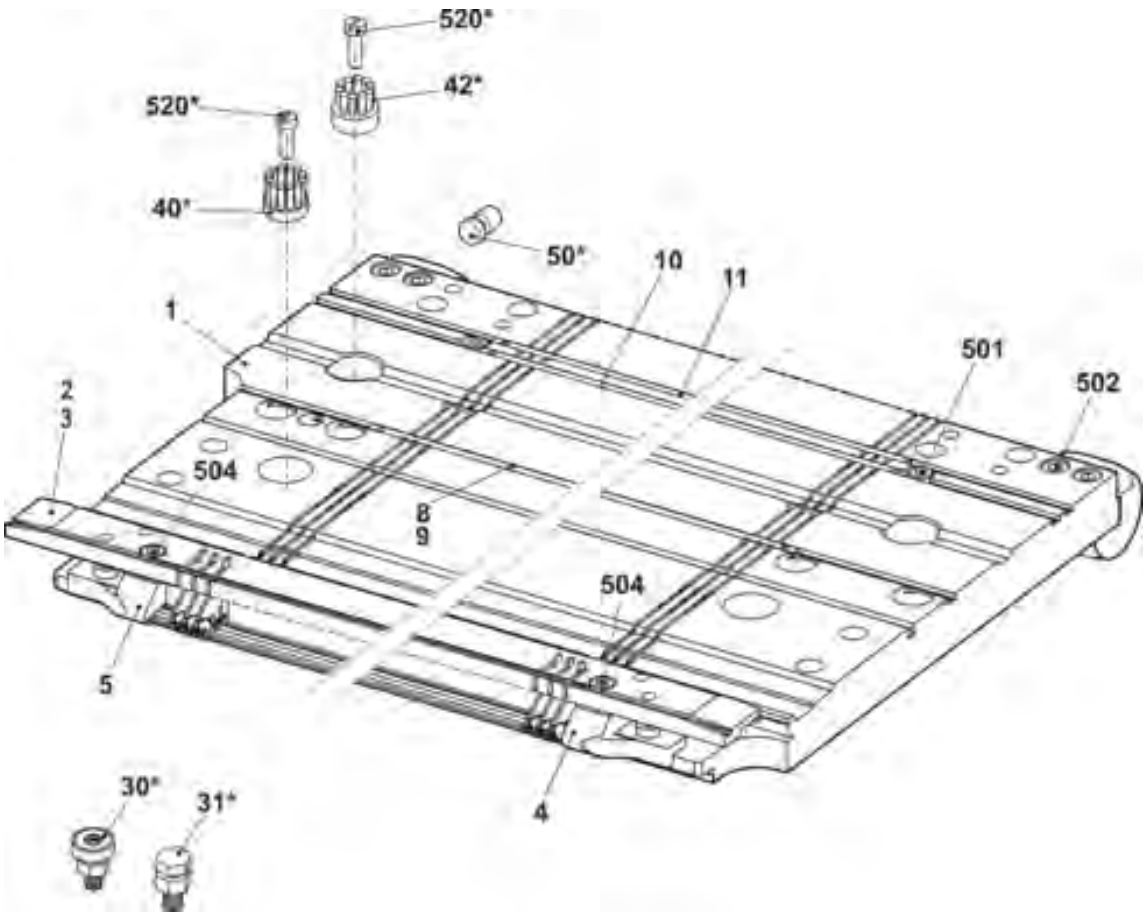
4.9 Needle bed E3,5.2 k&w

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE3,5.2	238 221		13	Support	206 352
2	Spring steel wire E4-5 Ø1,0	237 406		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E2,5.2-3,5.2	232 581		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E3,5.2	229 034		511	Shim0,05x18,5x34	023 196
11	Holding-down jack breast	229 032		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.9.1 Continuation needle bed E3,5.2 k&w

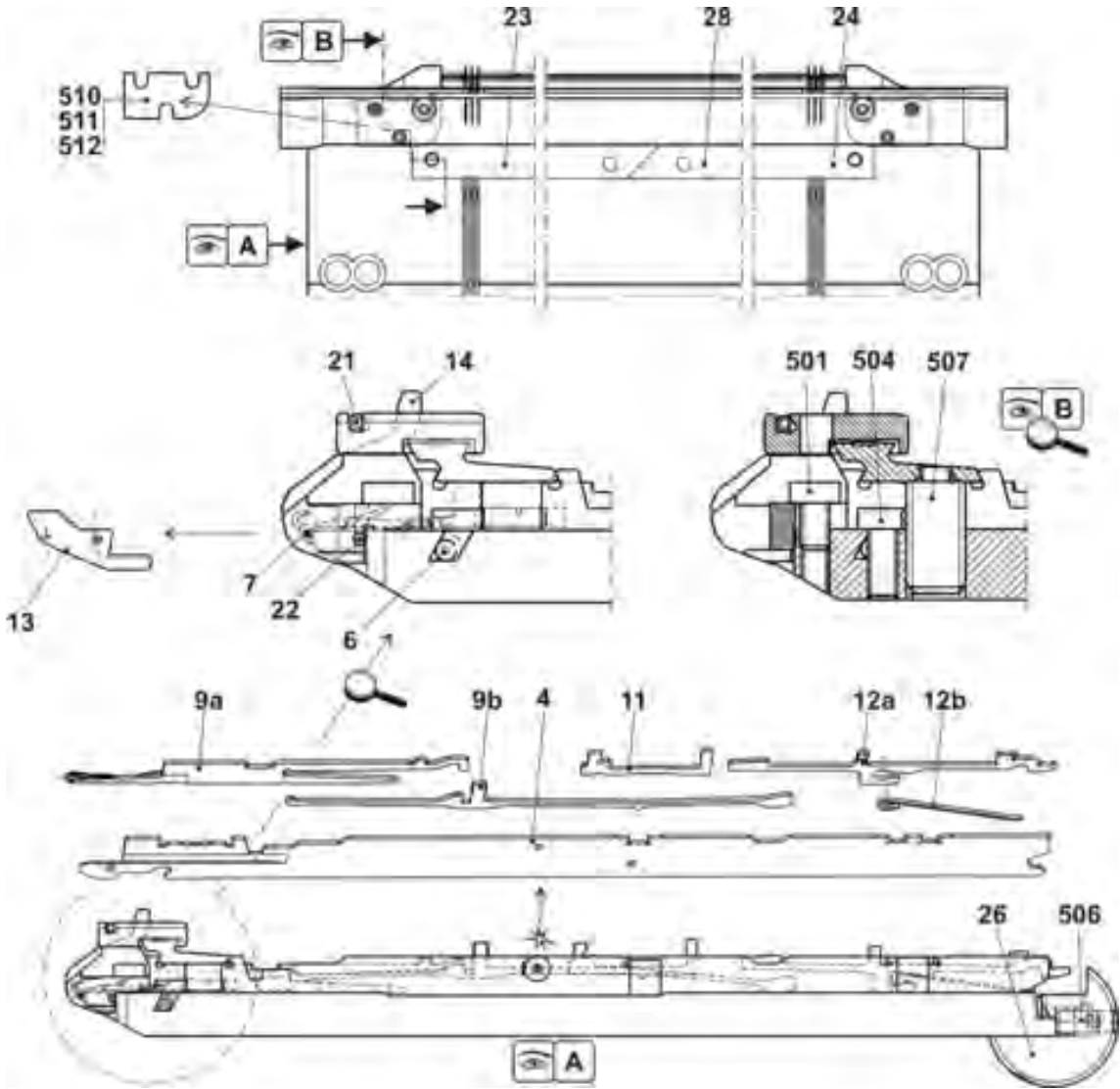
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE3,5.2	238 221				
1	Needle bed at the front + rearE7	238 006		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E3,5.2	237 498		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E3,5.2	237 490		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018		42*	Disk brush ø12	202 600
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.10 Needle bed E5.2 k&w

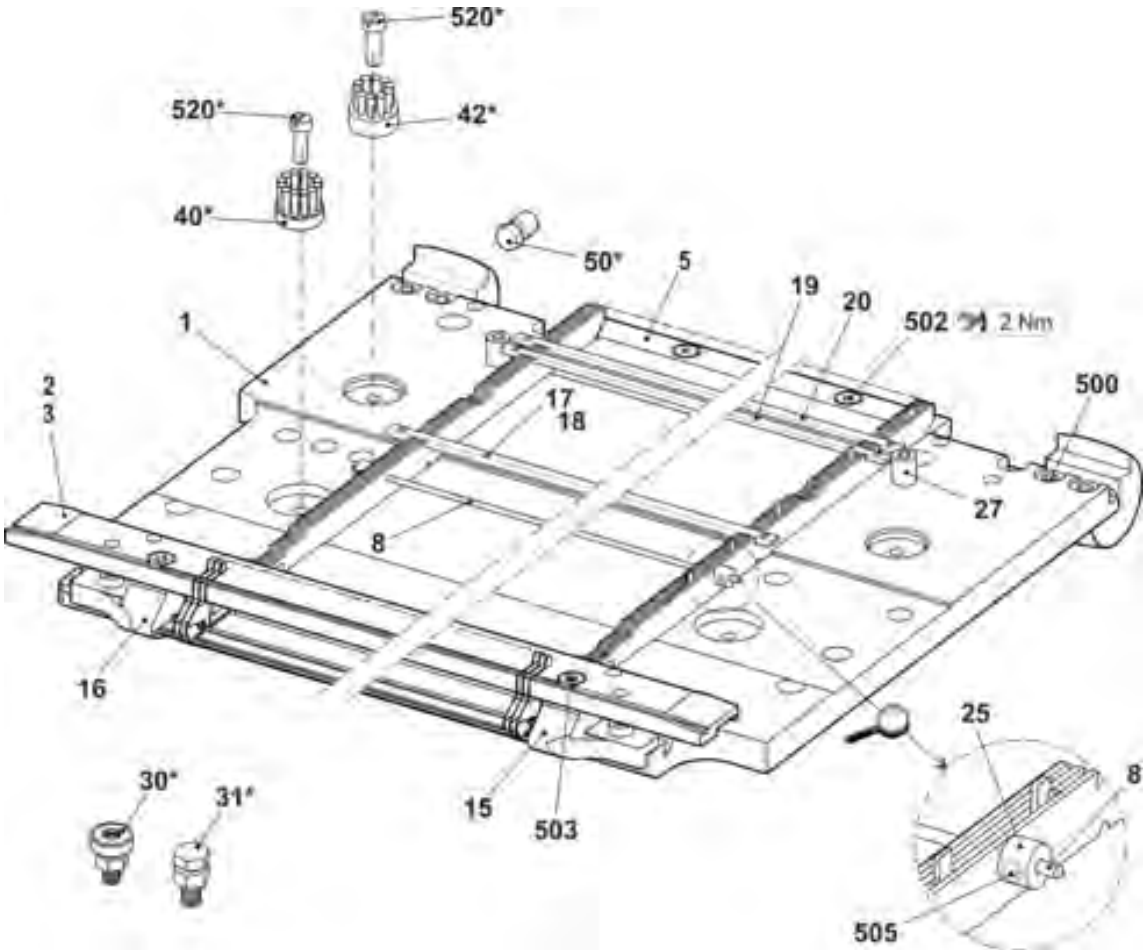
4.10 Needle bed E5.2 k&w

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE5.2	237 513		22	Spring steel wire Ø1,95	223 852
4	Main trick wall E5.2	219 171		23	Needle bar on the left	205 311
6	Locating wire Ø3,4	223 868		24	Needle bar on the right	205 312
7	Spring steel wire E4-5 Ø1,0	237 406		26	Support	206 352
9a	Needle E5.2	219 181		28	Needle bar in the middle	237 387
9b	Coupling part E5.2	219 188		501	Cap screw M5x8-8.8 M	023 154
11	Intermediate slider with brake E5.2	236 030		504	Cap screw M5x12-8.8	022 943
12a	Selection jack E5.2	219 214		506	Setscrew M6x12-45	022 400
12b	Selector spring 5.2	219 265		507	Springy thrust piece B-M10	023 177
13	Knock-over bit E5.2	221 367		510	Shim0,05x18,5x34	023 196
14	Holding-down jack breastE5.2	229 832		511	Shim0,1x18,5x34	023 197
21	Locating wire Ø2,8	223 862		512	Shim0,2x18,5x34	023 253



4.10.1 Continuation needle bed E5.2 k&w

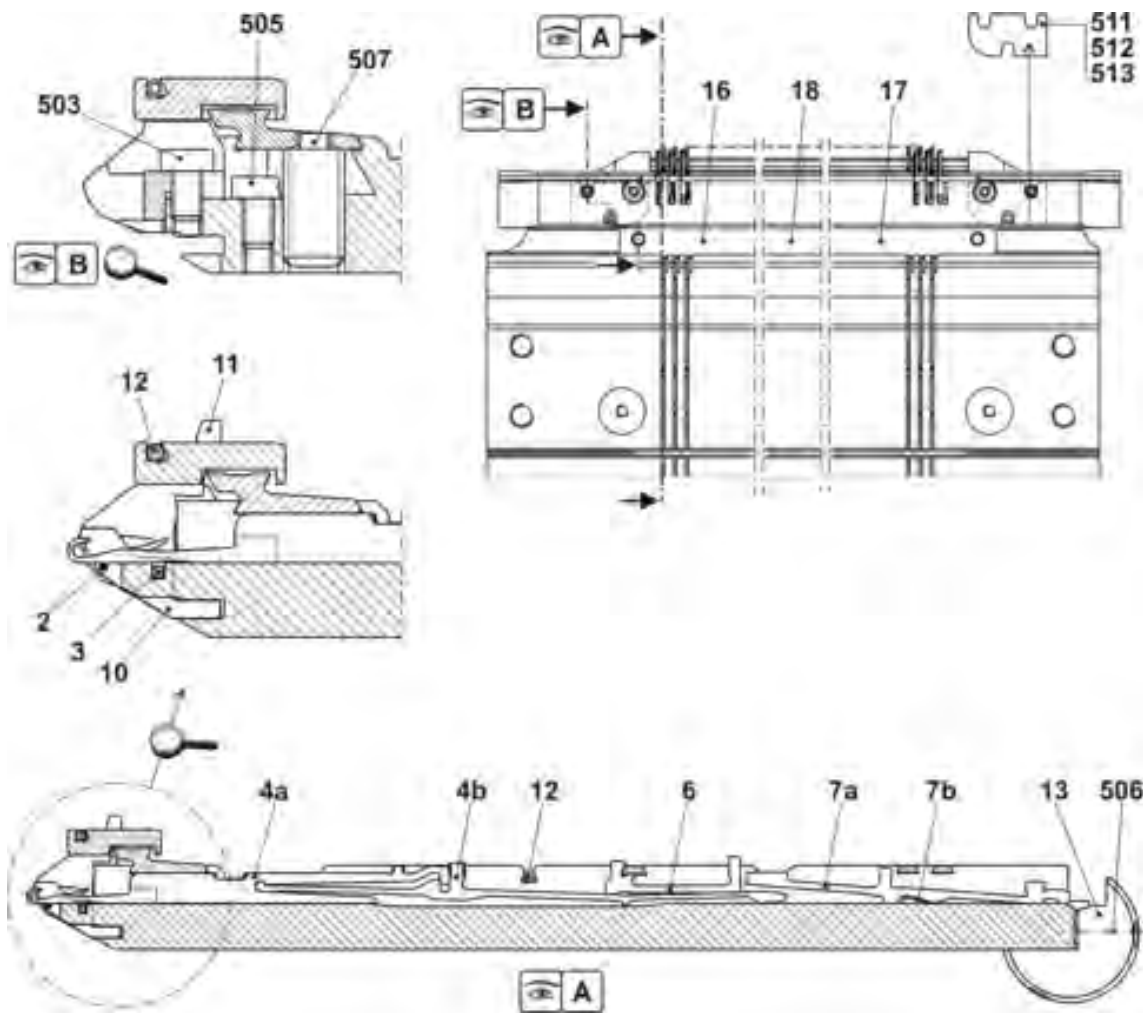
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE5.2	237 513		25	Bush	206 090
1	Needle bed at the front + rearE5.2	237 484		27	Stop screw	214 039
2	Holding-down jack bed at the front E5.2	237 491		500	Cap screw M6x14	022 658
3	Holding-down jack bed at the rear E5.2	237 499		502	Cap screw M5x8	023 379
5	Pressure slide	237 509		503	Cap screw M5x22	023 193
8	Spring steel wire Ø2,0	223 854		505	Setscrew M3,5x3-1	020 512
15	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
16	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
17	Cover rail at the rear	237 379		40*	Disk brush	235 612
18	Cover rail at the front E5.2	237 506		42*	Disk brush ø12	202 600
19	Cover rail	237 382		50*	Adjusting bolt	240 765
20	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.11 Needle bed E2,5.2m.4L mg

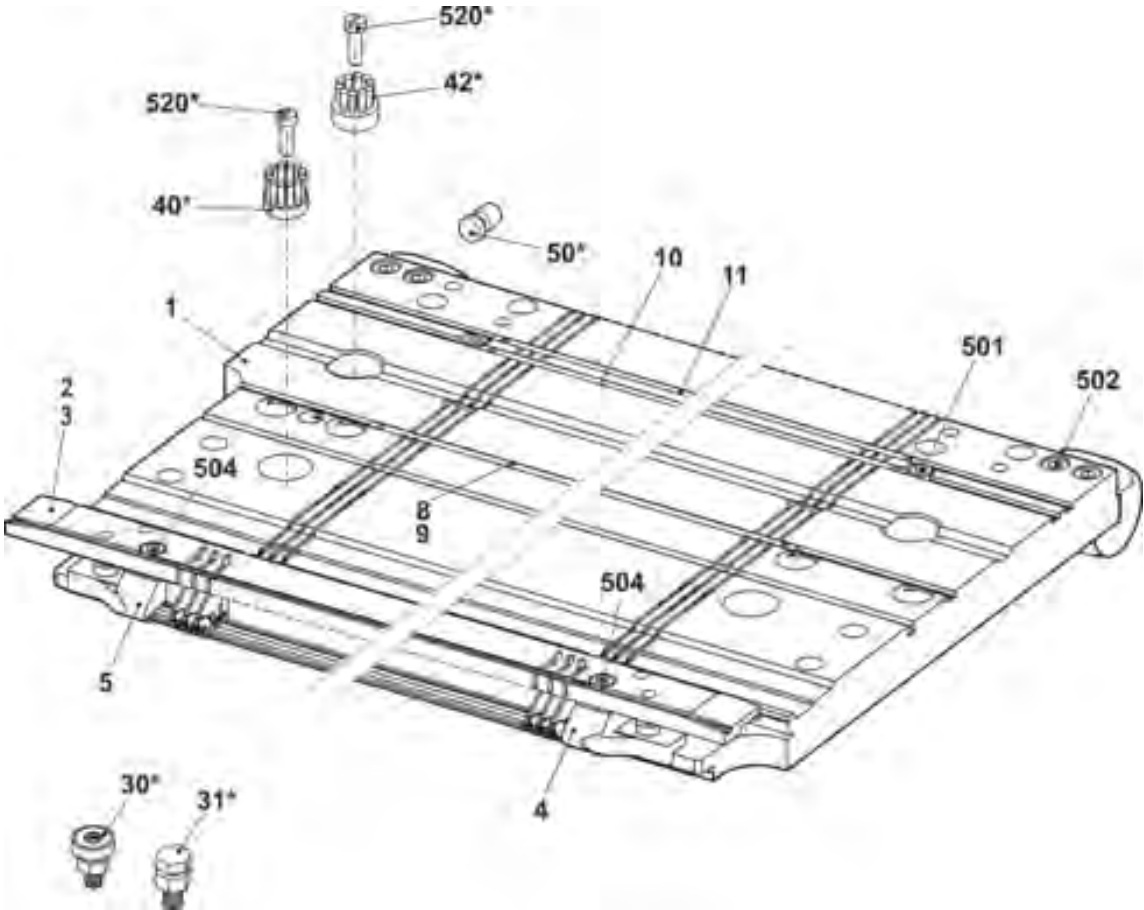
4.11 Needle bed E2,5.2m.4L mg

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE2,5.2m.4L	260 128		13	Support	206 352
2	Spring steel wire E4-5 Ø1,0	237 406		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E2,5.2-3,5.2m.4L	258 694		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E5	204 996		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E5	205 031		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.11.1 Continuation needle bed E2,5.2m.4L mg

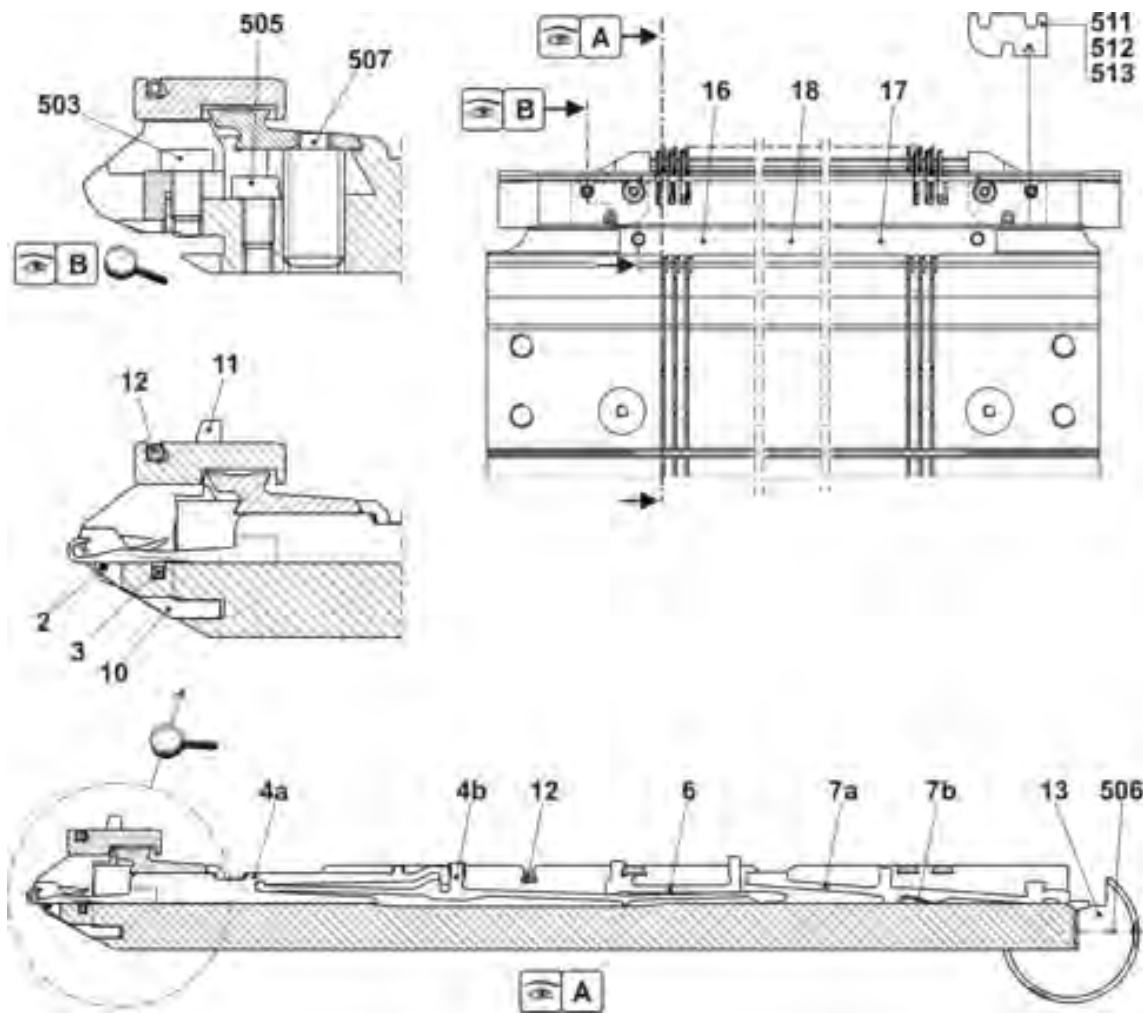
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE2,5.2m.4L	260 128				
1	Needle bed at the front + rearE5	238 005		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rearE2,5.2 MG	240 012		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E2,5.2 MG	240 011		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E5	237 377		42*	Disk brush ø12	202 600
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.12 Needle bed E3,5.2m.4L mg

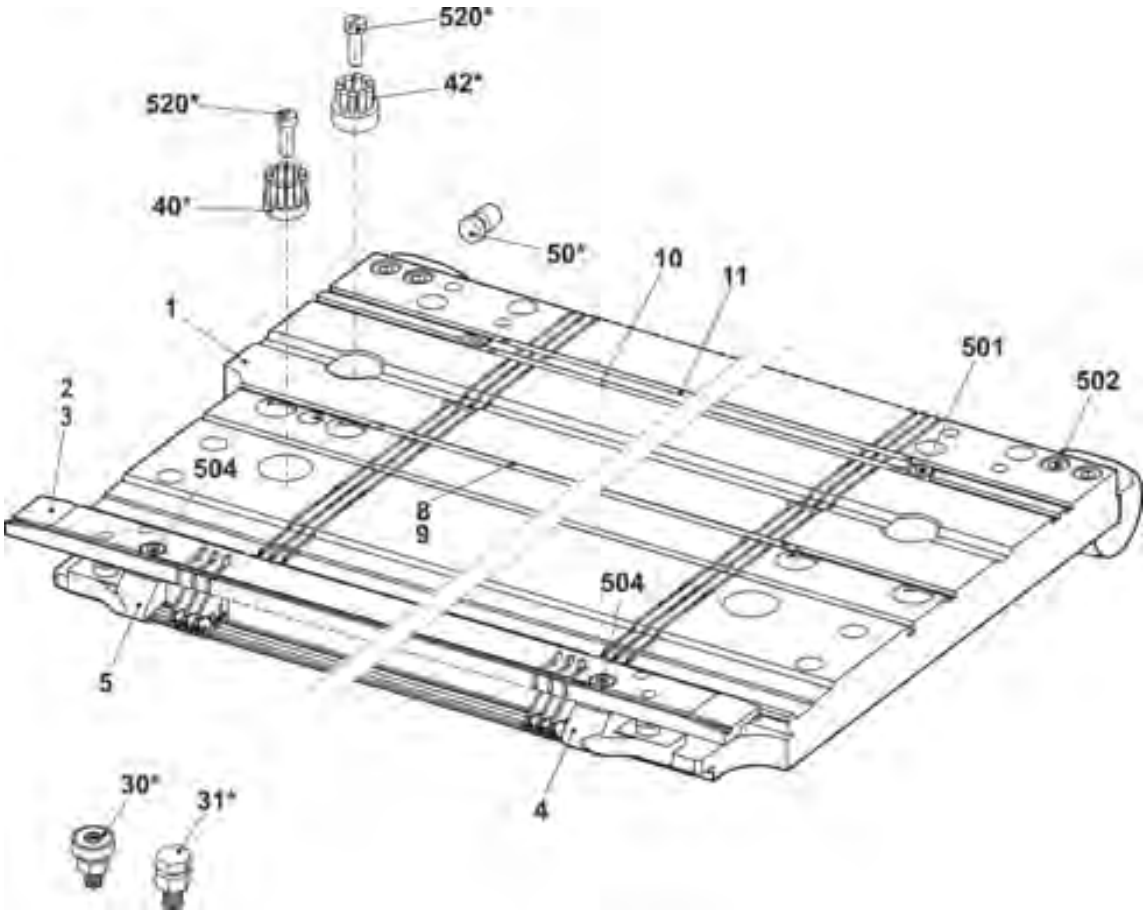
4.12 Needle bed E3,5.2m.4L mg

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE3,5.2m.4L	260 132		13	Support	206 352
2	Spring steel wire E4-5 Ø1,0	237 406		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E2,5.2-3,5.2m.4L	258 694		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E7	207 055		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E7	205 032		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.12.1 Continuation needle bed E3,5.2m.4L mg

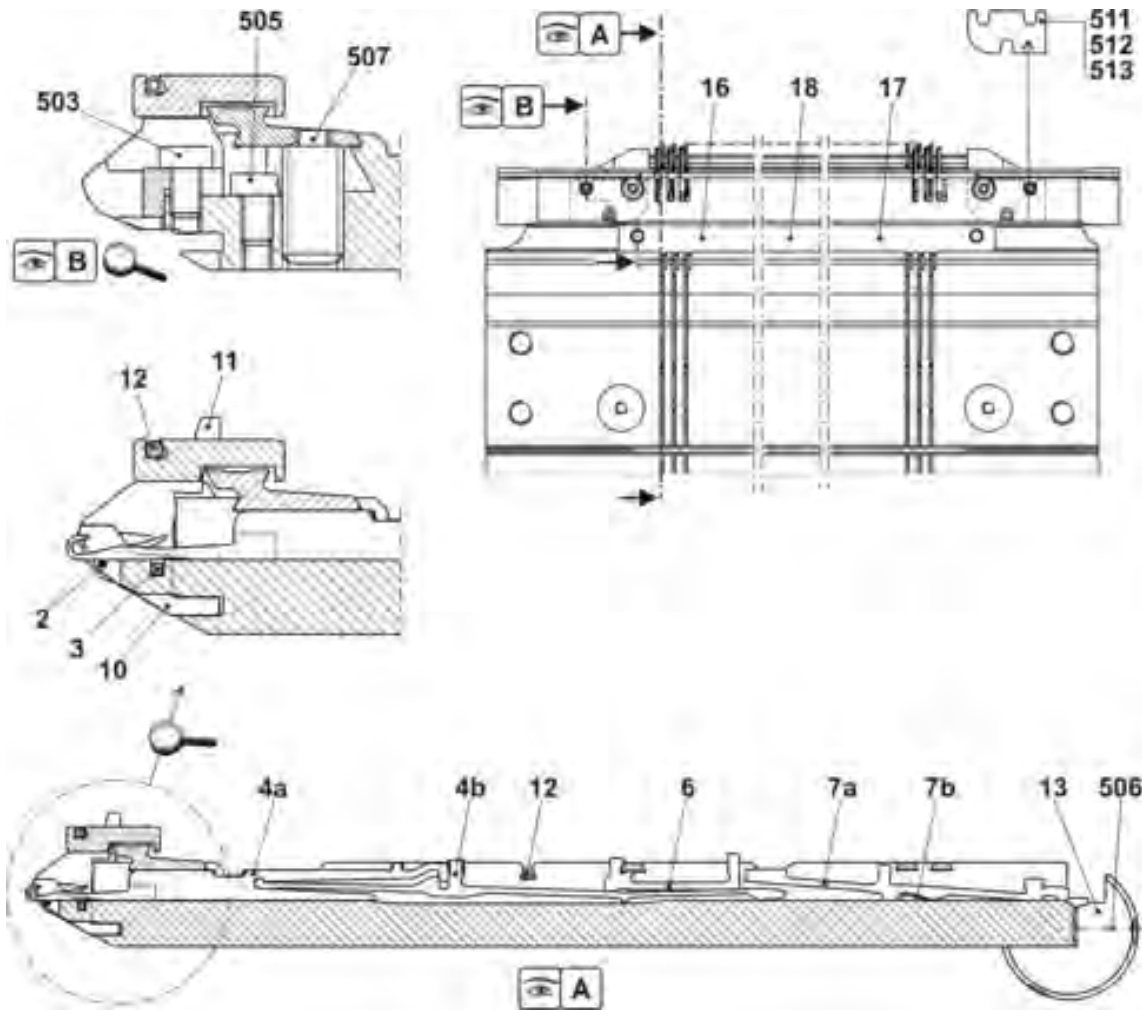
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE2,5.2m.4L	260 132				
1	Needle bed at the front + rearE7	238 006		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E3,5.2	237 498		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E3,5.2	237 490		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018		42*	Disk brush ø12	202 600
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.13 Needle bed E2,5.2 mg

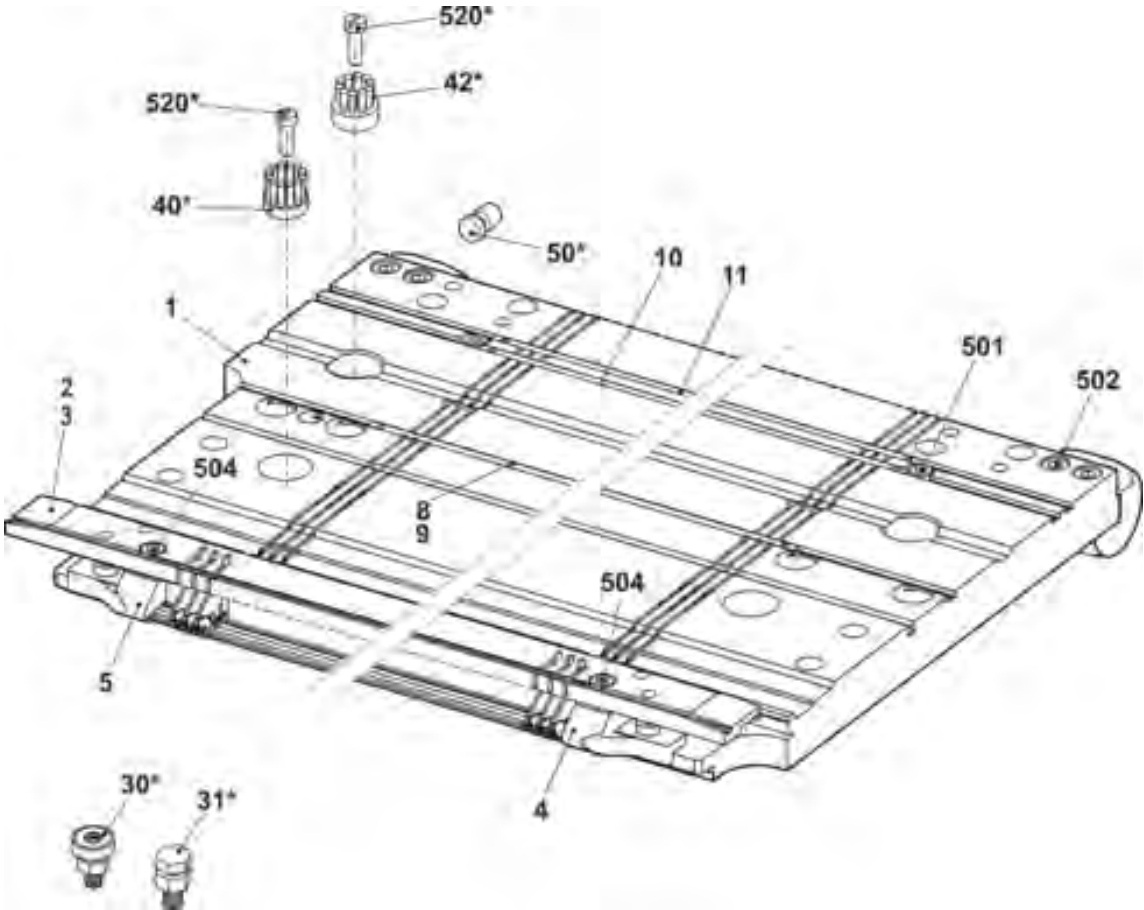
4.13 Needle bed E2,5.2 mg

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE2,5.2	239 227		13	Support	206 352
2	Spring steel wire E4-5 Ø1,0	237 406		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E2,5.2-3,5.2	232 581		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E5	204 996		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E5	205 031		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.13.1 Continuation needle bed E2,5.2 mg

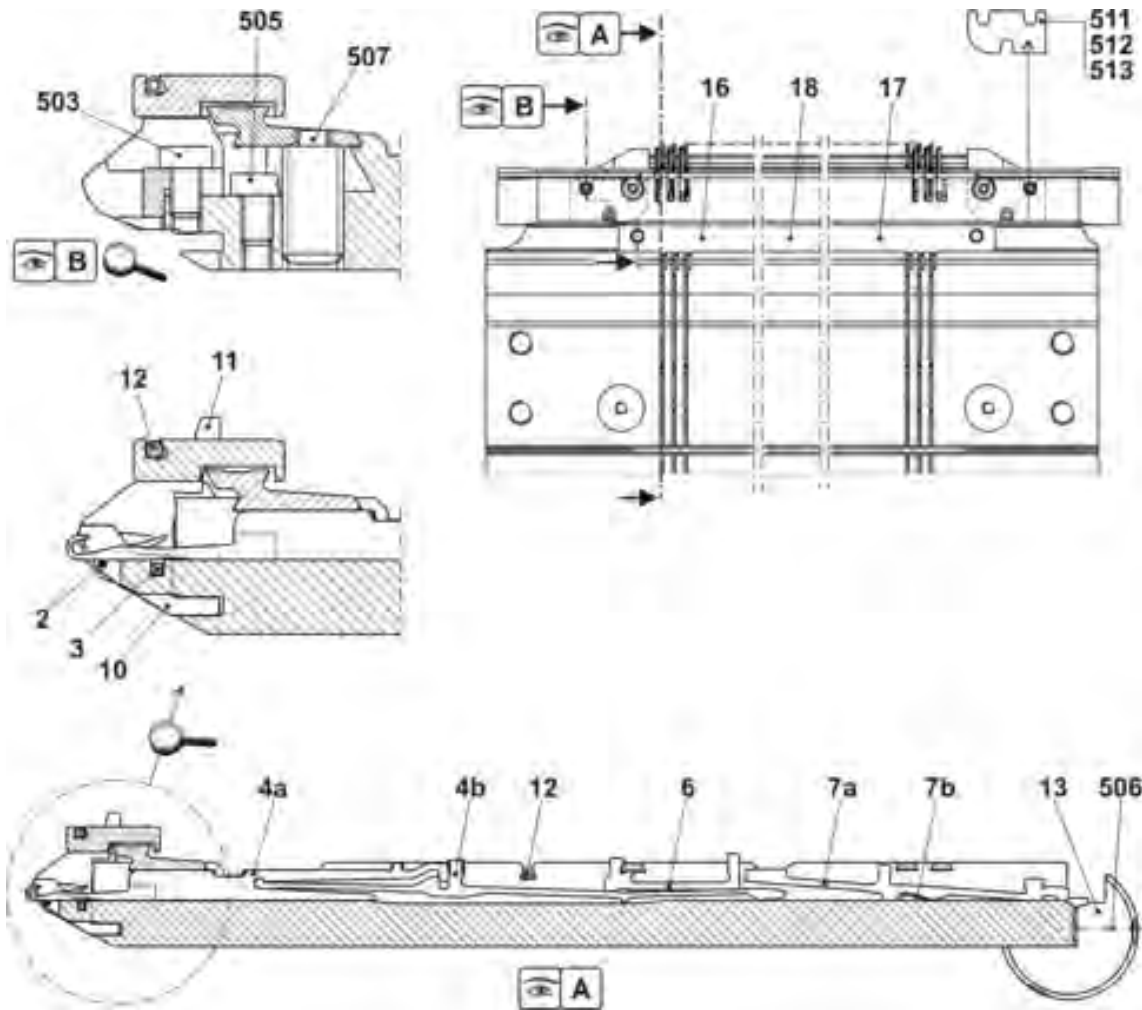
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE2,5.2	239 227				
1	Needle bed at the front + rearE5	238 005		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rearE2,5.2 MG	240 012		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E2,5.2 MG	240 011		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E5	237 377		42*	Disk brush ø12	202 600
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.14 Needle bed E3,5.2 mg

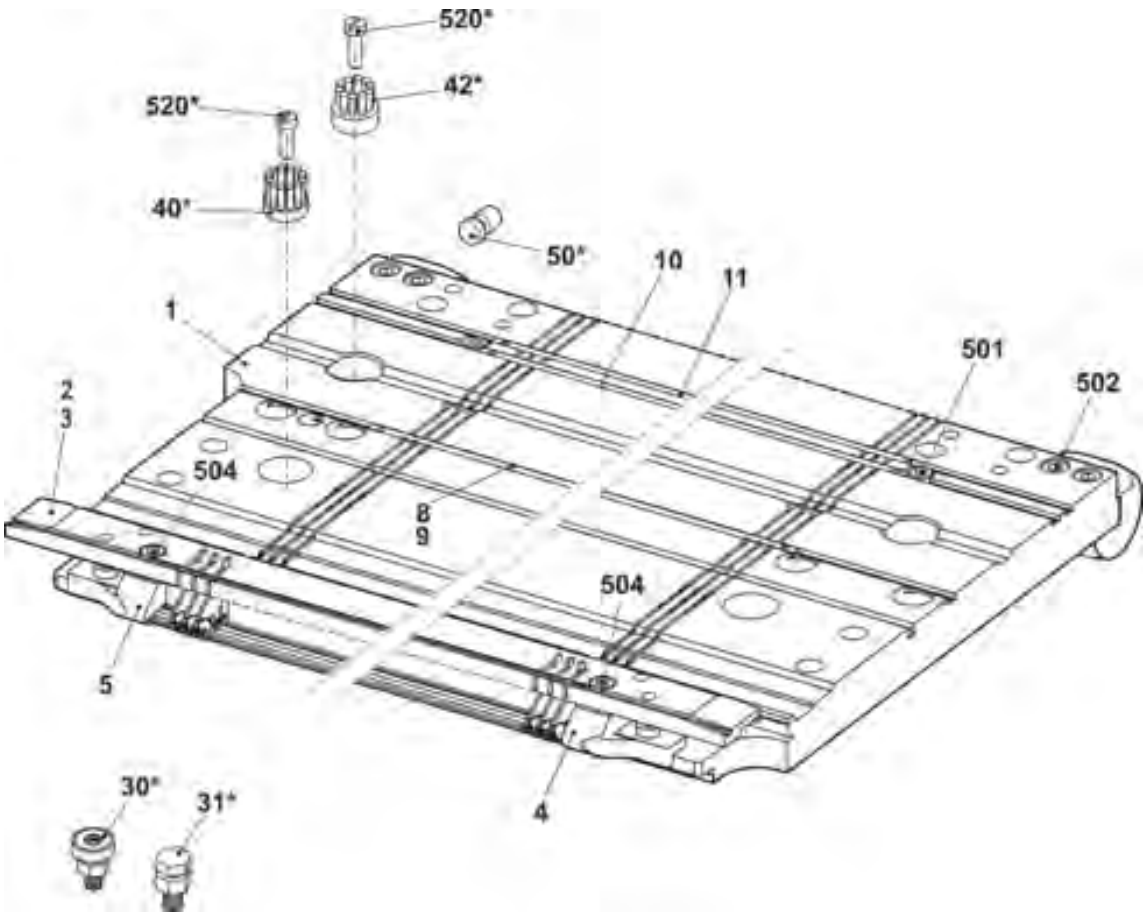
4.14 Needle bed E3,5.2 mg

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE3,5.2	239 228		13	Support	206 352
2	Spring steel wire E4-5 Ø1,0	237 406		16	Needle bar on the left	205 311
3	Spring steel wire Ø2,0	223 854		17	Needle bar on the right	205 312
4a	Needle E2,5.2-3,5.2	232 581		18	Needle bar in the middle	237 387
4b	Coupling part E5-8	253 381		503	Cap screw M5x8-8.8	023 154
6	Intermediate slider with brake E5-8	237 323		505	Cap screw M5x8	023 379
7a	Selection jack E4-8	200 687		506	Setscrew M6x12-45	022 400
7b	Selector spring E4-8	200 690		507	Springy thrust piece B-M10	023 177
10	Knock-over bit E7	207 055		511	Shim0,05x18,5x34	023 196
11	Holding-down jack E7	205 032		512	Shim0,1x18,5x34	023 197
12	Locating wire Ø2,8	223 862		513	Shim0,2x18,5x34	023 253



4.14.1 Continuation needle bed E3,5.2 mg

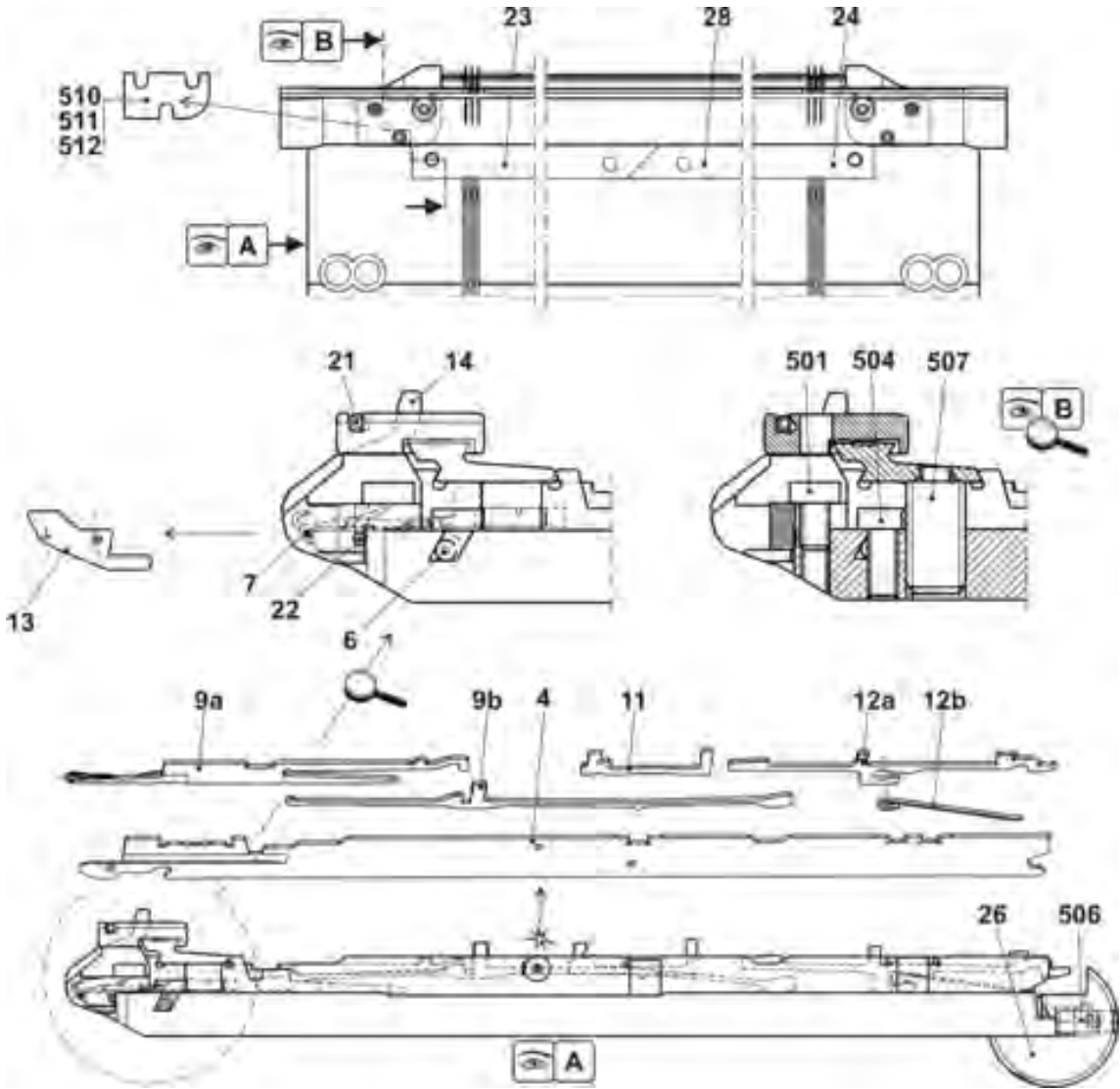
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE3,5.2	239 228				
1	Needle bed at the front + rearE7	238 006		501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E3,5.2	237 498		502	Cap screw M6x25	020 137
3	Holding-down jack bed at the front E3,5.2	237 490		504	Cap screw M5x22	023 193
4	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
5	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
8	Cover rail at the rear	237 379		40*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018		42*	Disk brush ø12	202 600
10	Cover rail	237 382		50*	Adjusting bolt	240 765
11	Cover rail	237 383		520*	Cap screw M5x12	020 032



4.15 Needle bed E5.2 mg

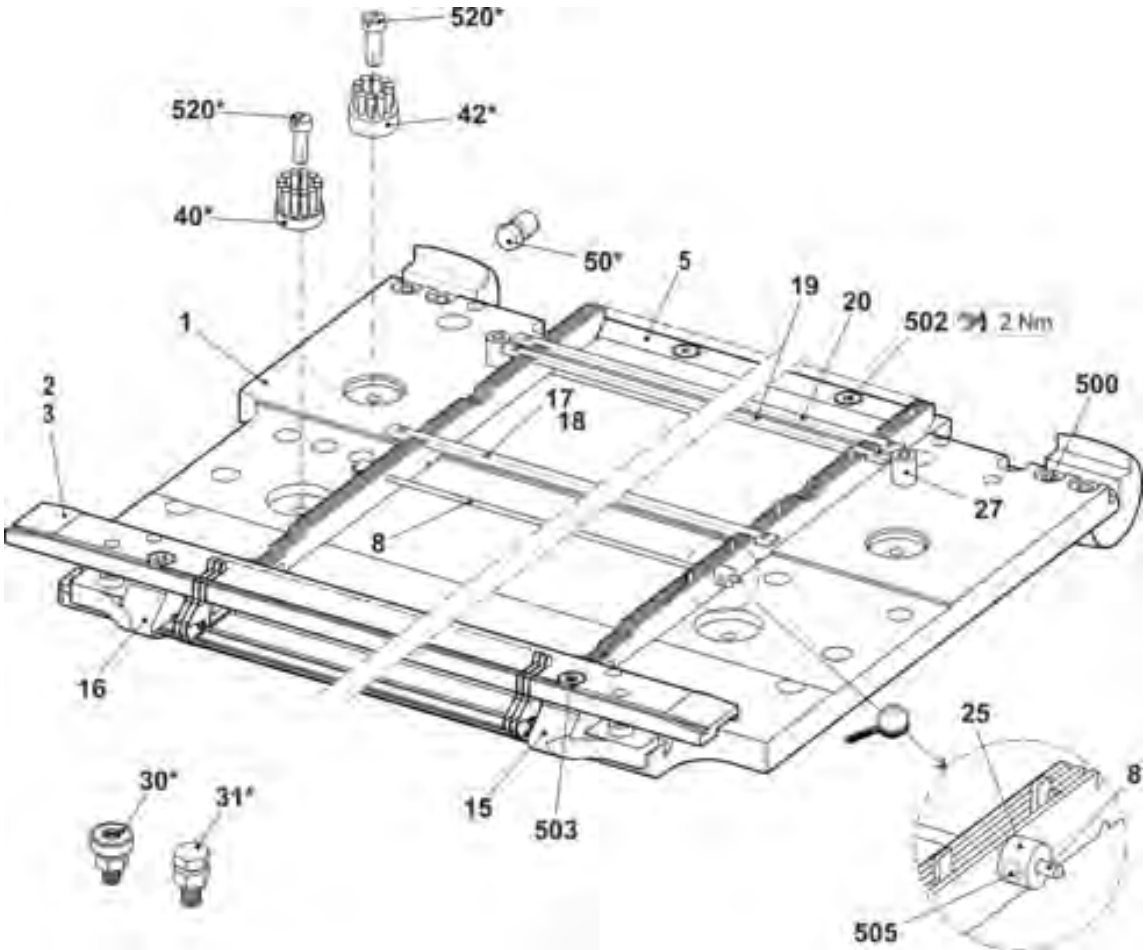
4.15 Needle bed E5.2 mg

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE5.2 mg	237 513		22	Spring steel wire Ø1,95	223 852
4	Main trick wall E5.2	219 171		23	Needle bar on the left	205 311
6	Locating wire Ø3,4	223 868		24	Needle bar on the right	205 312
7	Spring steel wire E4-5 Ø1,0	237 406		26	Support	206 352
9a	Needle E5.2	219 181		28	Needle bar in the middle	237 387
9b	Coupling part E5.2	219 188		501	Cap screw M5x8-8.8 M	023 154
11	Intermediate slider with brake E5.2	236 030		504	Cap screw M5x12-8.8	022 943
12a	Selection jack E5.2	219 214		506	Setscrew M6x12-45	022 400
12b	Selector spring 5.2	219 265		507	Springy thrust piece B-M10	023 177
13	Knock-over bit E5.2	221 367		510	Shim0,05x18,5x34	023 196
14	Holding-down jack breast E5.2	229 832		511	Shim0,1x18,5x34	023 197
21	Locating wire Ø2,8	223 862		512	Shim0,2x18,5x34	023 253



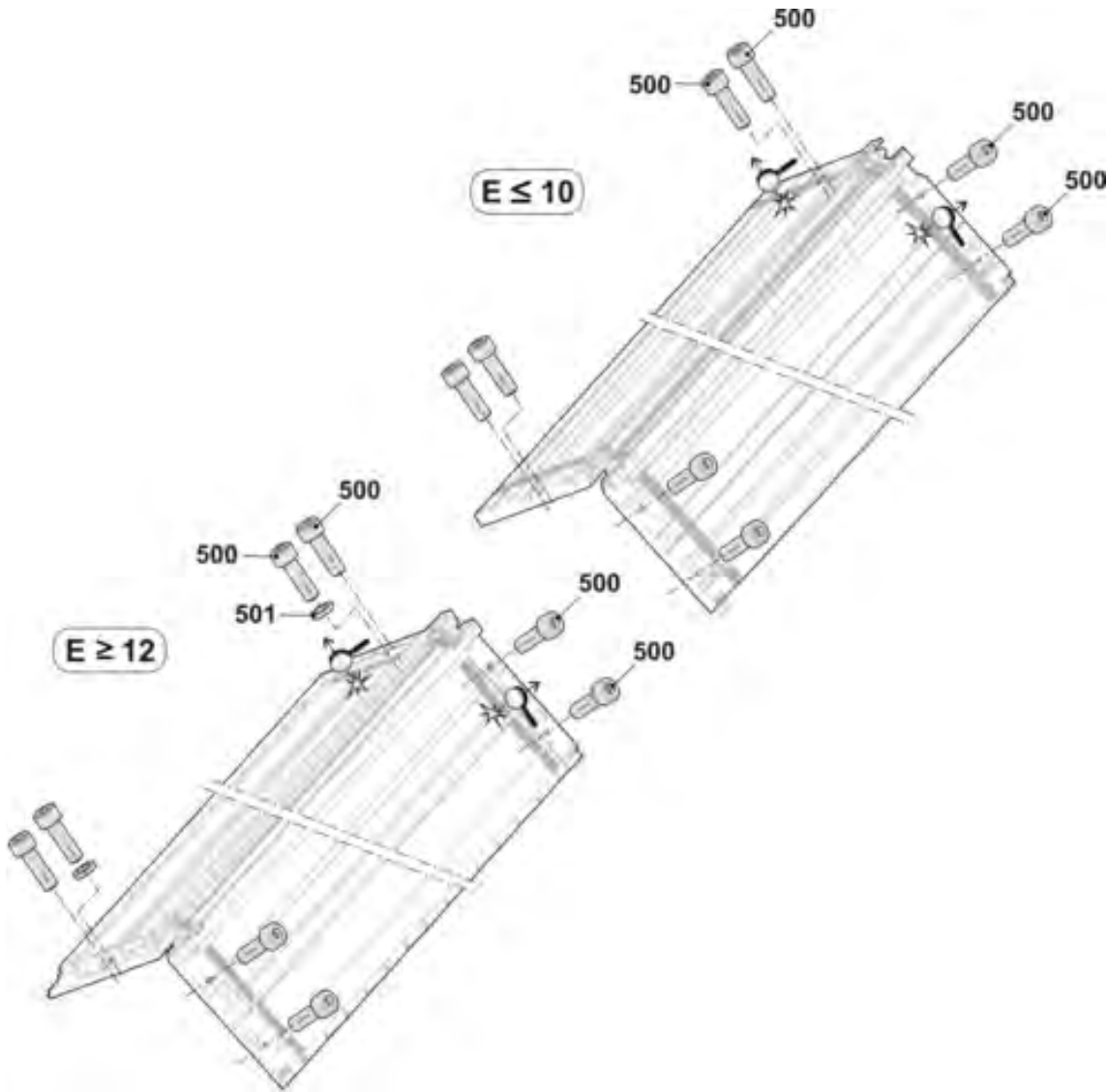
4.15.1 Continuation needle bed E5.2 mg

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rearE5.2	237 513		25	Bush	206 090
1	Needle bed at the front + rearE5.2	237 484		27	Stop screw	214 039
2	Holding-down jack bed at the front E5.2	237 491		500	Cap screw M6x14	022 658
3	Holding-down jack bed at the rear E5.2	237 499		502	Cap screw M5x8	023 379
5	Pressure slide	237 509		503	Cap screw M5x22	023 193
8	Spring steel wire Ø2,0	223 854		505	Setscrew M3,5x3-1	020 512
15	Limiter on the left E4-8	205 343		30*	Adjusting piece	206 375
16	Limiter on the right E4-8	205 344		31*	Set screw complete	207 712
17	Cover rail at the rear	237 379		40*	Disk brush	235 612
18	Cover rail at the front E5.2	237 506		42*	Disk brush ø12	202 600
19	Cover rail	237 382		50*	Adjusting bolt	240 765
20	Cover rail	237 383		520*	Cap screw M5x12	020 032



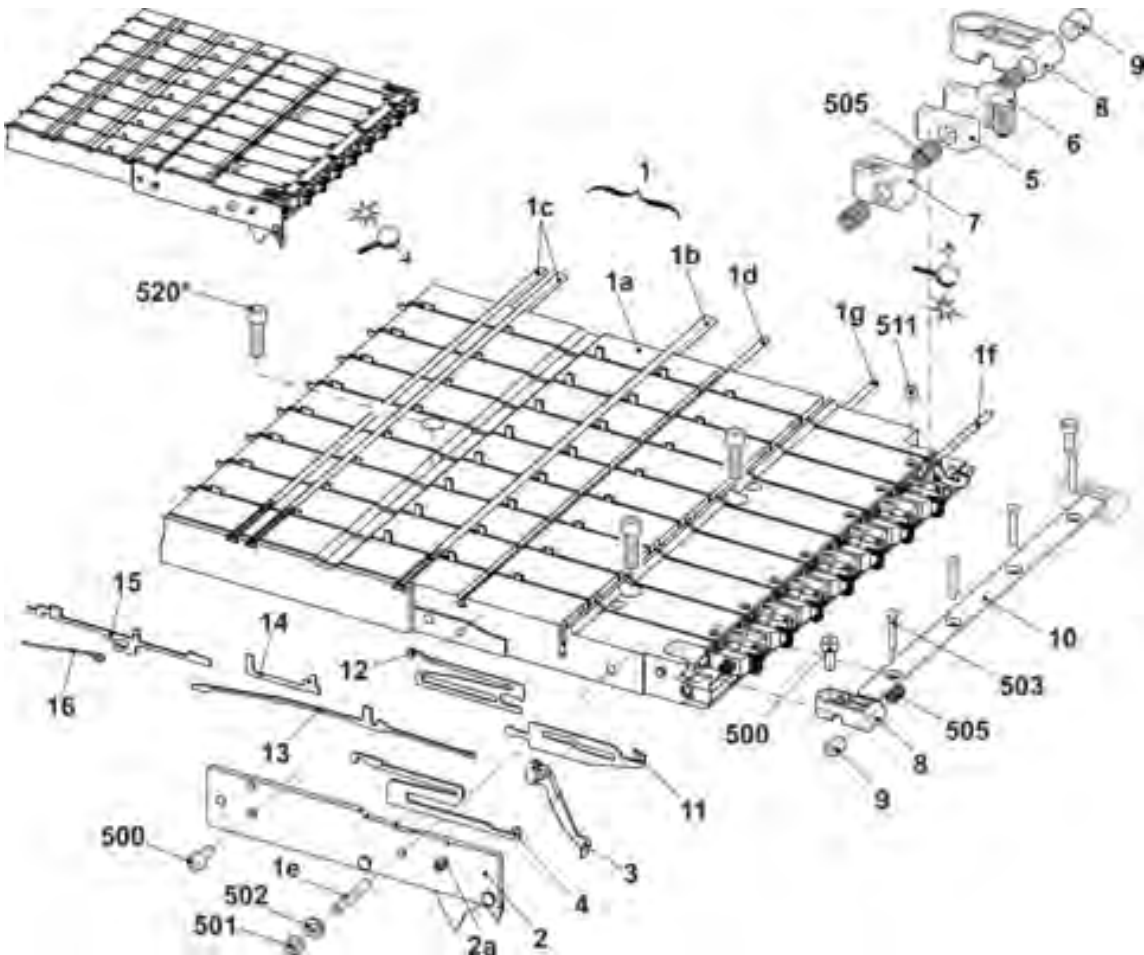
4.16 Needle beds, fixing elements

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



4.17 Left clamping and cutting bed
E5-7 | E5m.4 | E7m.5 | 7m.8 | E2,5.2 | E3,5.2 |
E2,5.2 | E3,5.2 | E2,5.2m4L | E3,5.2m4L

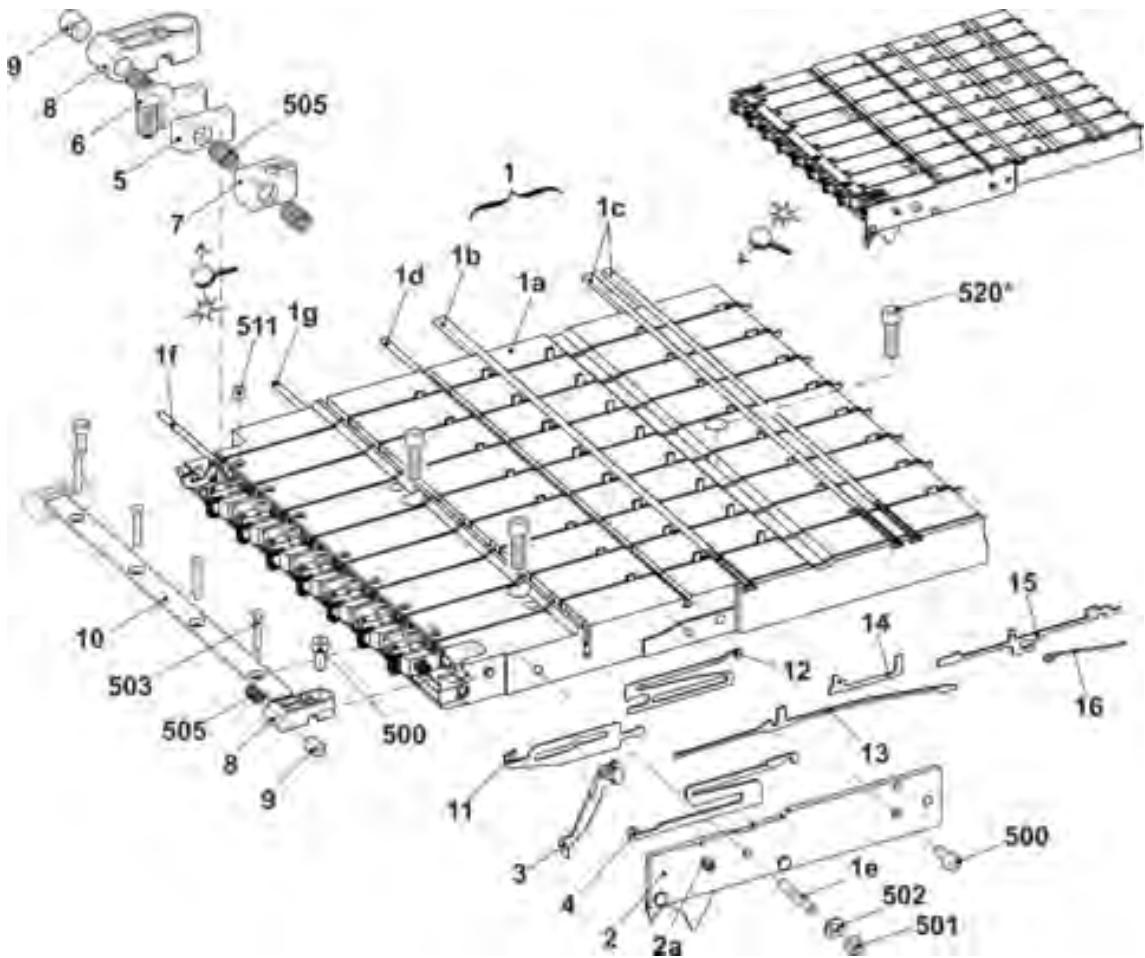
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Left clamping and cutting bed E2,5.2m.4L	260 089	7	Intermediate piece	255 719
1	Guide plate EPT on the left E5-14	257 194	8	Spring holder	255 724
1a	Guide plate on the left E5-14	257 190	9	Threaded bolt	255 723
1b	Cover rail	253 173	10	Holding strip	253 176
1c	Cover rail	253 174	11	Catch needle on the left E2,5.2m.4L	260 510
1d	Locating wire	253 172	12	Intermediate cam E10-14	244 591
1e	Guide pin	211 351	13	Coupling part E5-8	253 381
1f	Locating wire	253 171	14	Intermediate slider with brake E5-8	237 323
1g	Locating wire	215 927	15	Selection jack E4-8	200 687
511	Setscrew M5x5	236 061	16	Selector spring E4-8	200 690
2	Cover on the left complete E5-14	260 967	500	Cap screw M4x10	023 136
2a	Springy thrust piece	260 235	501	Hexagon nut M4	023 046
3	Catch hook on the left E5-14	260 969	502	Washer4	020 870
4	SliderE5-14	258 050	503	Pan-head screw M3x18	242 728
5	Blade	260 509	505	Compression spring 07x4,3x12,1	023 521
6	Clamp on the left complete	260 513	520*	Cap screw M6x20	244 824



4.18 Right clamping and cutting bed E5-7 | E5m.4 | E7m.5 | 7m.8 | E2,5.2 | E3,5.2 | E2,5.2 | E3,5.2 | E2,5.2m4L | E3,5.2m4L

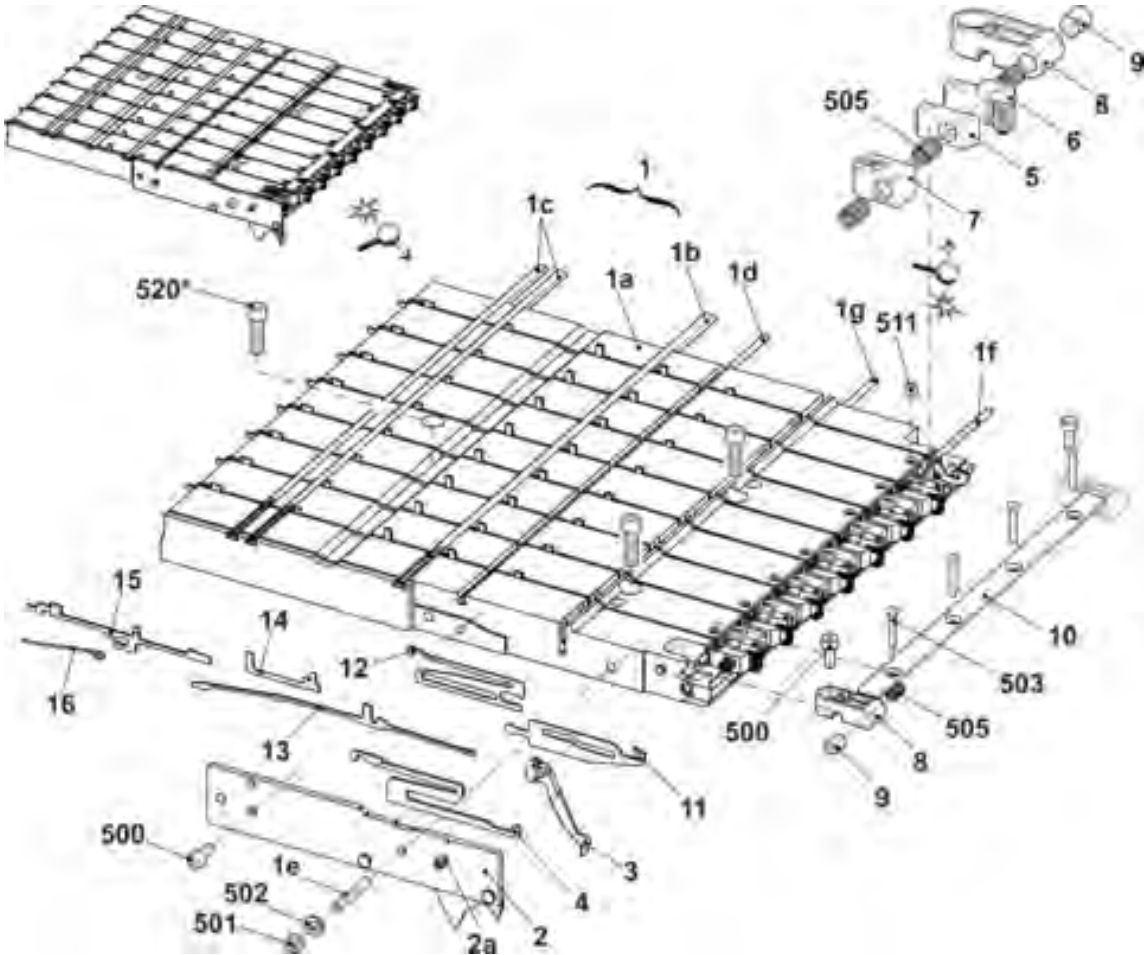
4.18 Right clamping and cutting bed
E5-7 | E5m.4 | E7m.5 | 7m.8 | E2,5.2 | E3,5.2 |
E2,5.2 | E3,5.2 | E2,5.2m4L | E3,5.2m4L

Pos	Designation	ID	Pos	Designation	ID
Σ	Clamping and cutting bed on the right E2,5.2m.4L	260 088	7	Intermediate piece	255 719
1	Guide plate EPT on the right E5-14	257 193	8	Spring holder	255 724
1a	Guide plate on the rightE5-14	257 189	9	Threaded bolt	255 723
1b	Cover rail	253 173	10	Holding strip	253 176
1c	Cover rail	253 174	11	Catch needle on the right E2,5.2m.4L	260 512
1d	Locating wire	253 172	12	Intermediate cam E10-14	244 591
1e	Guide pin	211 351	13	Coupling part E5-8	253 381
1f	Locating wire	253 171	14	Intermediate slider with brake E5-8	237 323
1g	Locating wire	215 927	15	Selection jack E4-8	200 687
511	Setscrew M5x5	236 061	16	Selector spring E4-8	200 690
2	Cover on the right complete E5-14	260 966	500	Cap screw M4x10	023 136
2a	Springy thrust piece	260 235	501	Hexagon nut M4	023 046
3	Catch hook on the right E5-14	260 968	502	Washer4	020 870
4	SliderE5-14	258 050	503	Pan-head screw M3x18	242 728
5	Blade	260 509	505	Compression spring 07x4,3x12,1	023 521
6	Clamp on the right complete	260 514	520*	Cap screw M6x20	244 824



4.19 Left clamping and cutting bed E8 | E8m.7 | E5.2

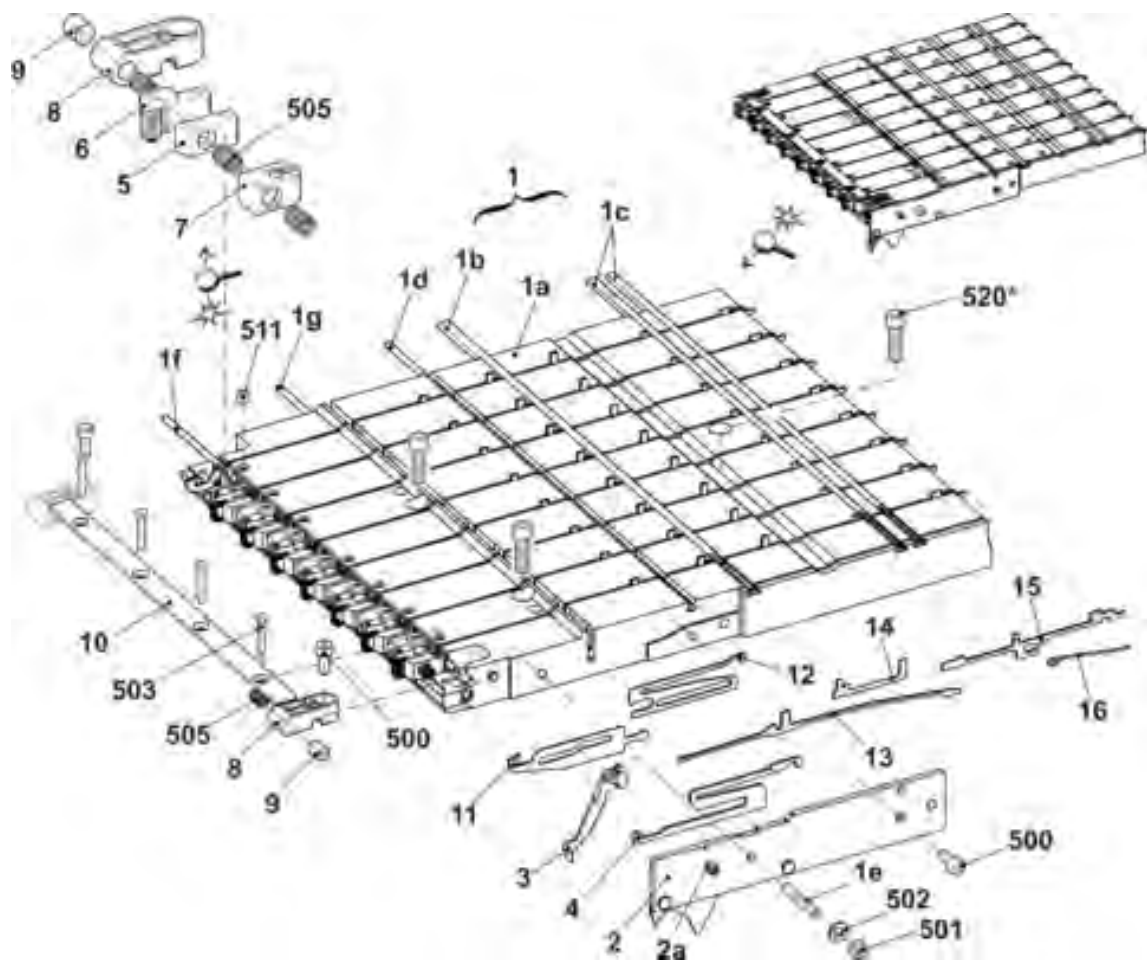
Pos	Designation		Id	Pos	Designation		Id
Σ	Left clamping and cutting bed E5-14		257 198	7	Intermediate piece		255 719
1	Guide plate EPT on the left E5-14		257 194	8	Spring holder		255 724
	1a	Guide plate on the left E5-14	257 190	9	Threaded bolt		255 723
	1b	Cover rail	253 173	10	Holding strip		253 176
	1c	Cover rail	253 174	11	Catch needle on the left E5-14		255 813
	1d	Locating wire	253 172	12	Intermediate cam E10-14		244 591
	1e	Guide pin	211 351	13	Coupling part E5-8		253 381
	1f	Locating wire	253 171	14	Intermediate slider with brake E5-8		237 323
	1g	Locating wire	215 927	15	Selection jack E4-8		200 687
	511	Setscrew M5x5	236 061	16	Selector spring E4-8		200 690
2	Cover on the left complete E5-14		260 967	500	Cap screw M4x10		023 136
2a	Springy thrust piece		260 235	501	Hexagon nut M4		023 046
3	Catch hook on the left E5-14		260 969	502	Washer4		020 870
4	SliderE5-14		258 050	503	Pan-head screw M3x18		242 728
5	Blade		243 948	505	Compression spring 07x4,3x12,1		023 521
6	Clamp on the left complete		244 633	520*	Cap screw M6x20		244 824



4.20 Right clamping and cutting bed E8 | E8m.7 | E5.2

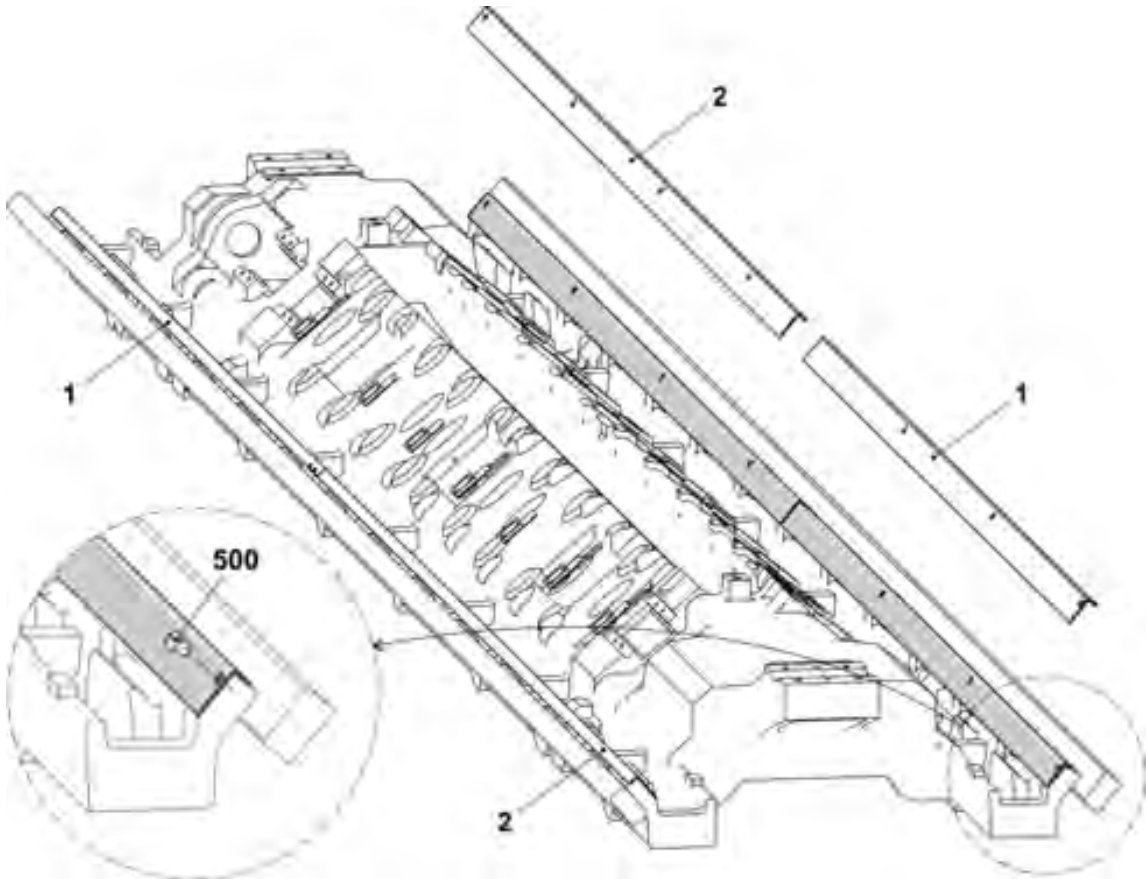
4.20 Right clamping and cutting bed E8 | E8m.7 | E5.2

Pos	Designation		Id	Pos	Designation		Id
Σ	Clamping and cutting bed on the right E5-14		257 197	7	Intermediate piece		255 719
1	Guide plate EPT on the right E5-14		257 193	8	Spring holder		255 424
	1a	Guide plate on the rightE5-14	257 189	9	Threaded bolt		255 723
	1b	Cover rail	253 173	10	Holding strip		253 176
	1c	Cover rail	253 174	11	Catch needle on the right E5-14		255 692
	1d	Locating wire	253 172	12	Intermediate cam E10-14		244 591
	1e	Guide pin	211 351	13	Coupling part E5-8		253 381
	1f	Locating wire	253 171	14	Intermediate slider with brake E5-8		237 323
	1g	Locating wire	215 927	15	Selection jack E4-8		200 687
	511	Setscrew M5x5	236 061	16	Selector spring E4-8		200 690
2	Cover on the right complete E5-14		260 966	500	Cap screw M4x10		023 136
2a	Springy thrust piece		260 235	501	Hexagon nut M4		023 046
3	Catch hook on the right E5-14		260 968	502	Washer4		020 870
4	SliderE5-14		258 050	503	Pan-head screw M3x18		242 728
5	Blade		243 948	505	Compression spring 07x4,3x12,1		023 521
6	Clamp on the right complete		244 602	520*	Cap screw M6x20		244 824



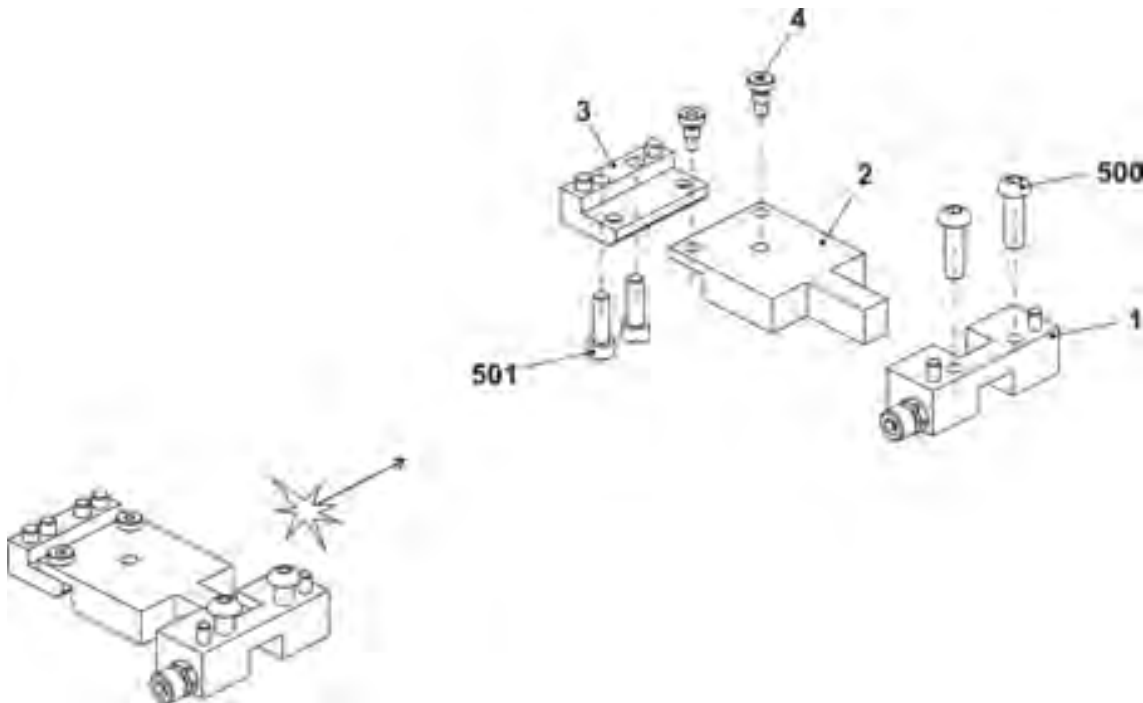
4.21 Cover on the left and on the right

Pos	Designation	Id. no.		Pos	Designation	Id. no.
1	Cover on the left	241 938		500	Pan head screw M8x10	241 930
2	Cover on the right	241 939				

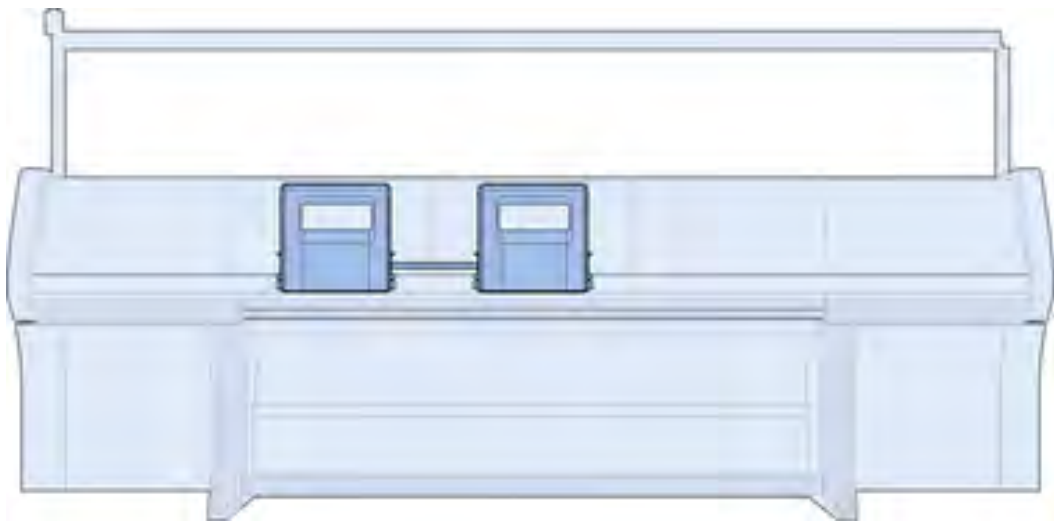


4.22 Connection measuring bar

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Connection measuring bar fine	244 608				
1	Bearing fork	244 535		4	Shoulder screw	209 790
2	Plunger	244 536		500	Pan head screw M6x20	241 603
3	Stop point	244 537		501	Cap screw M5x16	022 726

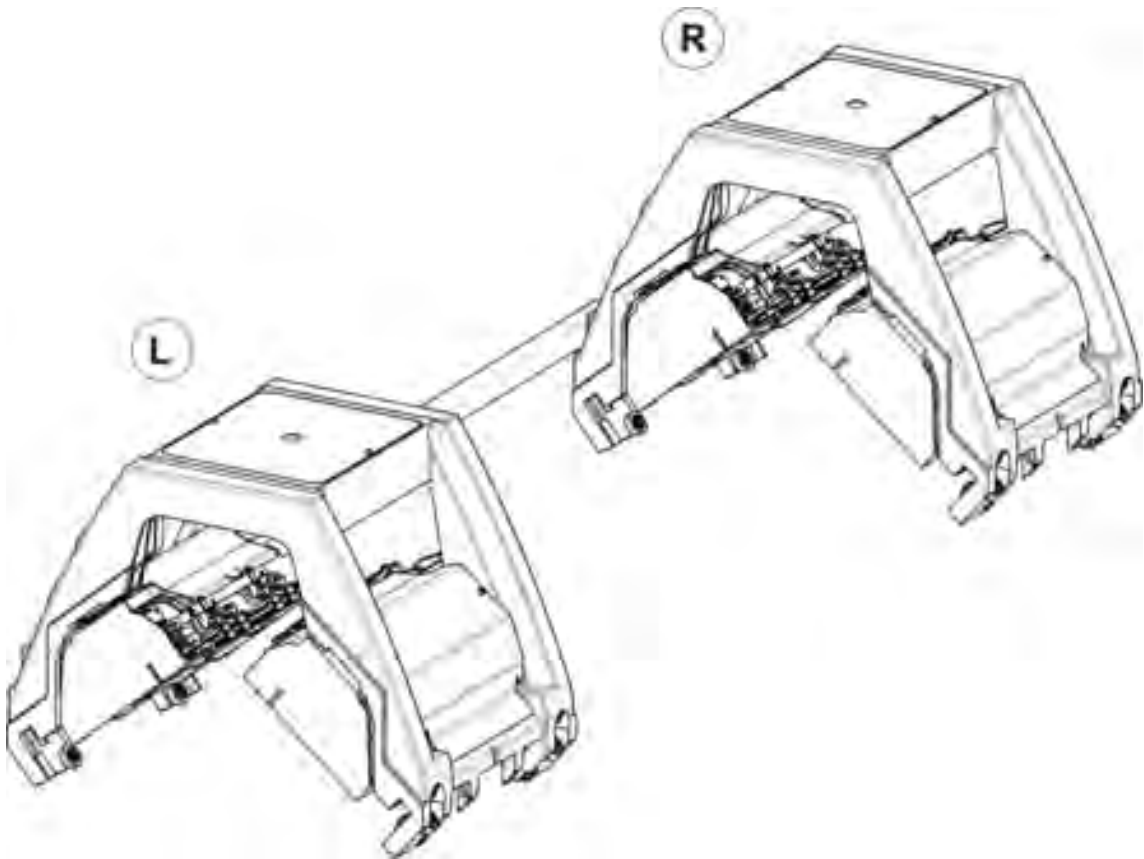


5 Tandem carriage



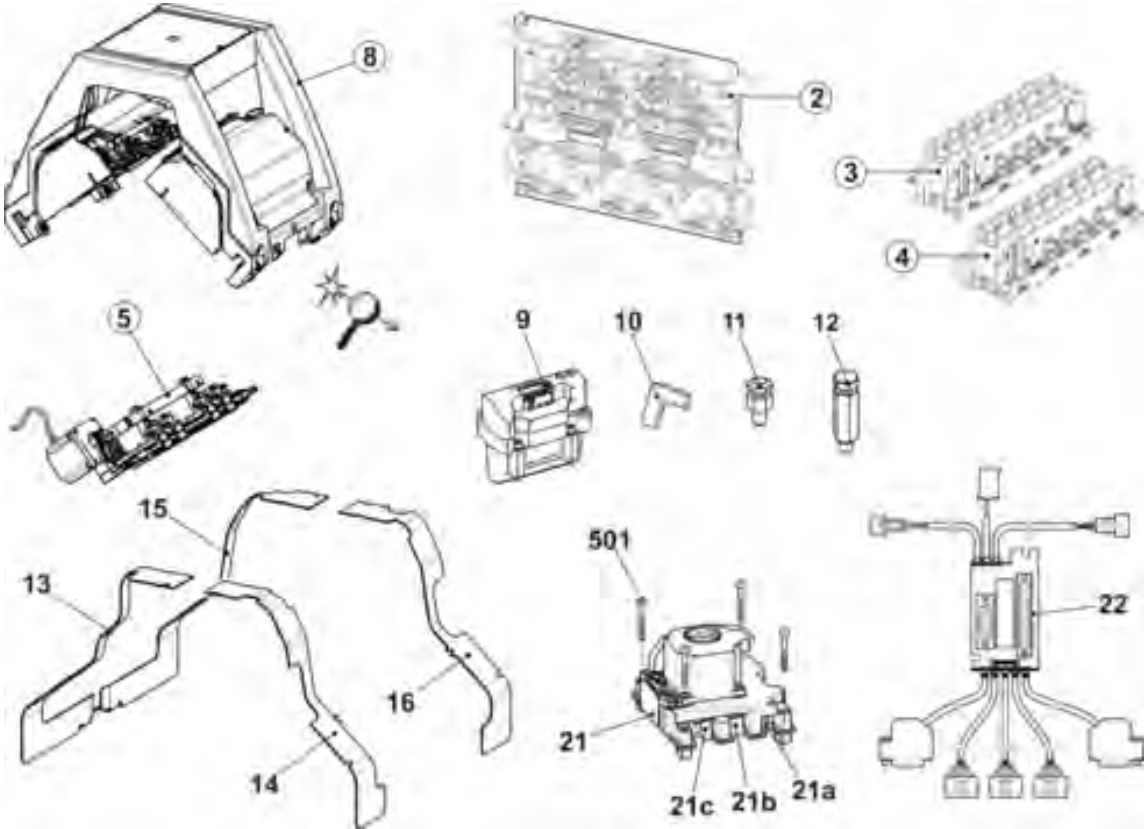
5.1 Overview of carriage

Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage left complete			Σ	Carriage right complete	
	E5 E5m.4 E2,5.2 E3,5.2k&w	256 099			E5 E5m.4 E2,5.2 E3,5.2k&w	256 098
	E7 E8 E7m.8 E8m.7	256 100			E7 E8 E7m.8 E8m.7	256 101
	E7m.5	256 102			E7m.5	256 103
	E3,5.2mg	256 085			E3,5.2mg	256 086
	E5.2k&w	256 104			E5.2k&w	256 105
	E5.2mg	256 110			E5.2mg	256 111



5.1.1 Carriage components

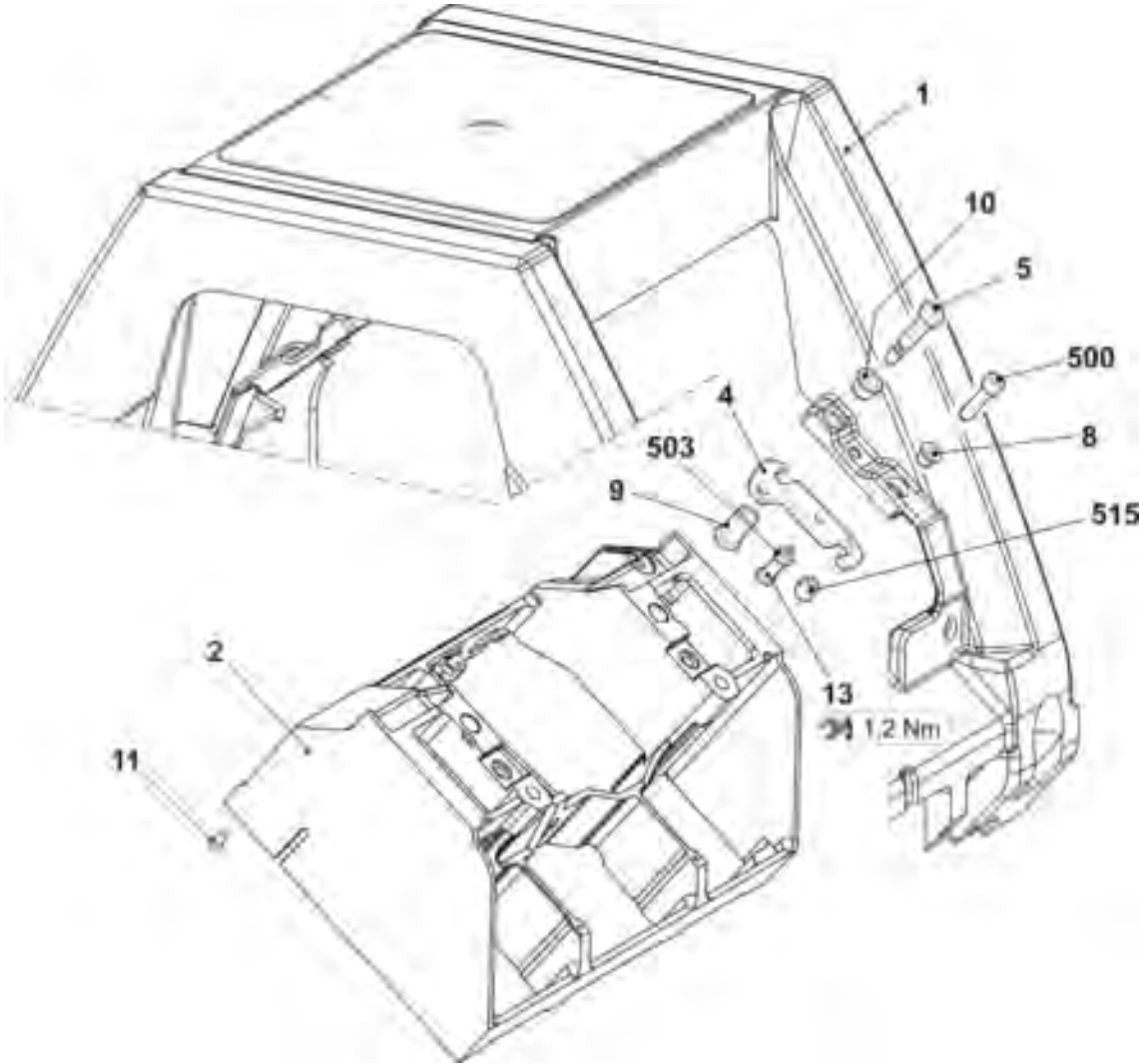
Pos	Designation	Id. no.		Pos	Designation	Id. no.	
2	Cam box set complete			10	Wiper (felt)	241 411	
	E5 E5m.4 E7m.5 E2,5.2 E3,5.2 E5.2	244 239		11	Bolts	212 392	
	E7 E8 E7m.8 E8m.7	244 389		12	Bolts	243 171	
3	FF driving outside complete	245 297		13	Guide plate at the rear on the left	245 323	
4	FF driving in the middle complete	245 298		14	Cover plate on the left	250 274	
5	Holding-down jack control complete			15	Cover plate on the right	250 275	
	E7 E8 E7m.5 E7m.8 E8m.7 E3,5.2mg E5.2mg	250 989		19	Guide plate at the rear on the right	245 324	
	E5 E5m.4 E2,5.2 E3,5.2k&w	250 991		21	Motor unit	253 533	
	E5.2k&w	250 988			21a	Gear rack at the top	209 781
8	Carriage assembly 2 cam boxes 822	256 501			21b	Gear rack in the middle	209 782
9	Selection system complete				21c	Gear rack at the bottom	209 783
	E5 E5m.4 E7m.5 E2,5.2 E3,5.2 E7 E8 E7m.8 E8m.7	216 218		22	Distributor 822 6Z OKC3	255 835	
	E5.2	216 219		501	Cap screw M4x30	023 290	



5.1 Overview of carriage

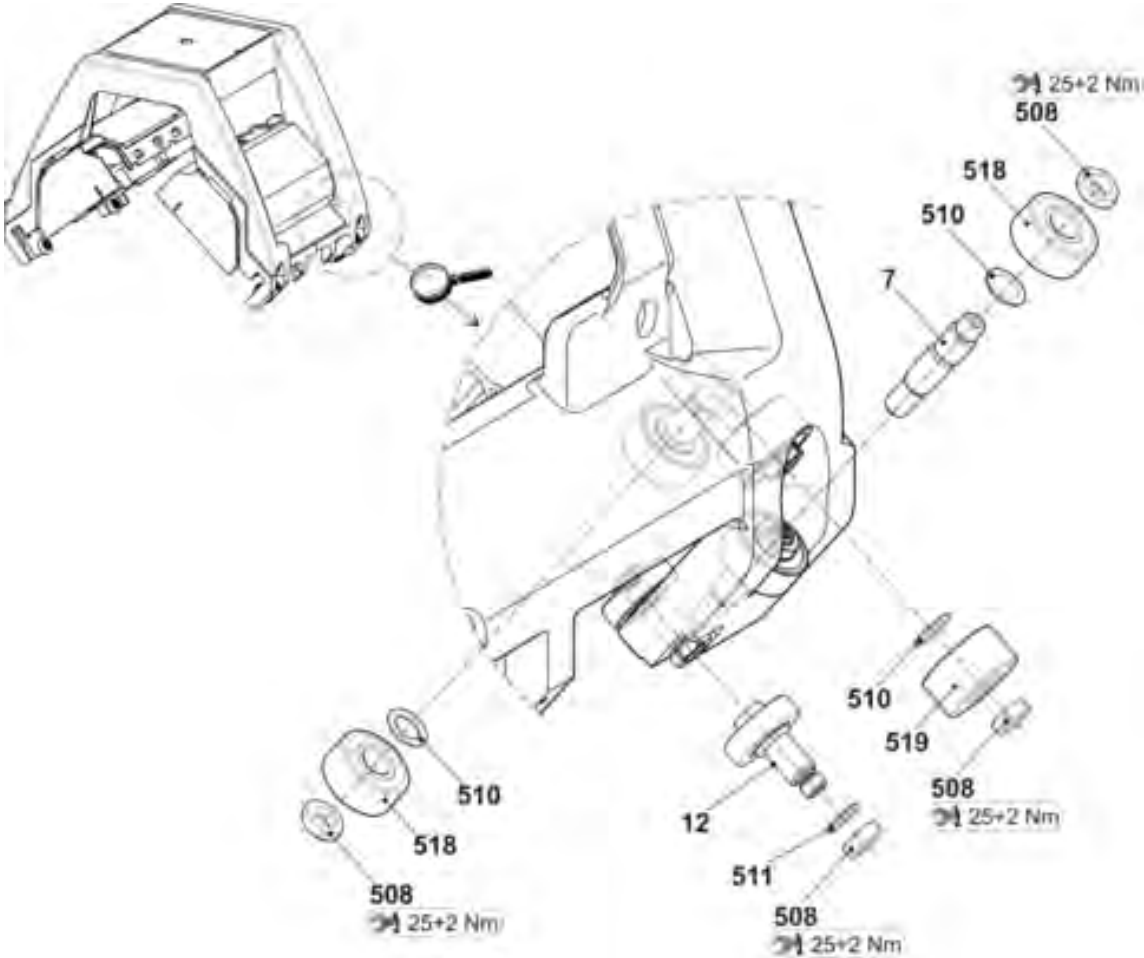
5.1.2 Carriage assembly

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Carriage assembly 2 cam boxes 520	256 501				
1	Carriage frame 2 cam boxes 6-Z	258 516		10	Bush	209 274
2	Carriage part, 2 cam boxes	241 756		11	Eccentric	222 983
5	Shoulder screw	211 750		13	Locating bolt linking spot	244 179
4	Shim	225 312		500	Cap screw M8x30	020 143
8	Bush	207 546		503	Circlip6	021 022
9	Bush	209 275		515	Threaded bush	041 863



5.1.3 Carriage guide

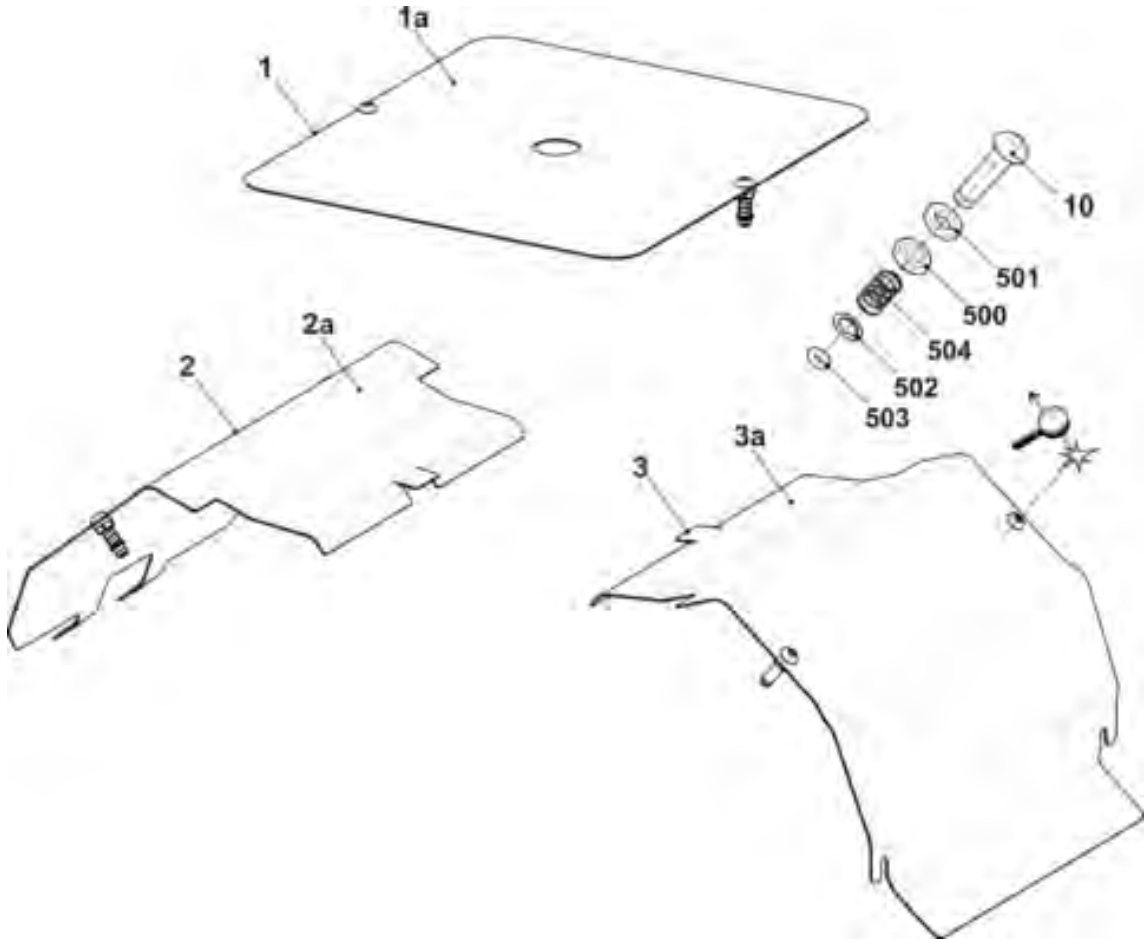
Pos	Designation	Id. no.		Pos	Designation	Id. no.
7	Bearing bolt eccentric 0,5	240 624		511	Shim ring 10x16x1	023 260
12	Bolt pre-assembled	244 283		518	Grooved ball bearing 62201-2RS	241 408
508	NutM10	023 316		519	Grooved ball bearing 62300-2RS1	242 070
510	Shim ring 12x18x1	023 315				



5.1 Overview of carriage

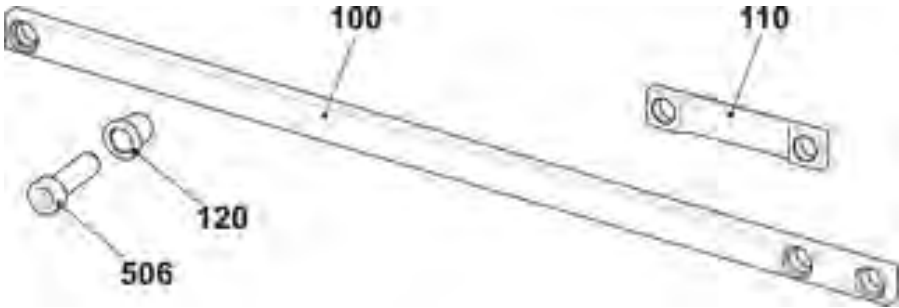
5.1.4 Carriage cover

Pos	Designation	Id. no.		Pos	Designation	Id. no.
1	Carriage cover at the top 2 cam boxes complete	257 099		10	Locating bolt	242 382
	1a Carriage cover at the top 2 cam boxes 6Z	256 509		500	Hexagon nut M6	257 088
2	Carriage cover at the rear complete 822	257 163		501	Serrated lock washer 6,4	022 385
	2a Carriage cover at the rear 6-Z 822	256 742		502	Washer 6.1x9x0,5	023 554
3	Carriage cover at the front complete 822	257 162		503	O-ring 3x2	242 420
	3a Carriage cover at the front 6-Z 822	256 741		504	Compression spring 0,48x7,02x17,29	023 654



5.1.5 Carriage coupling

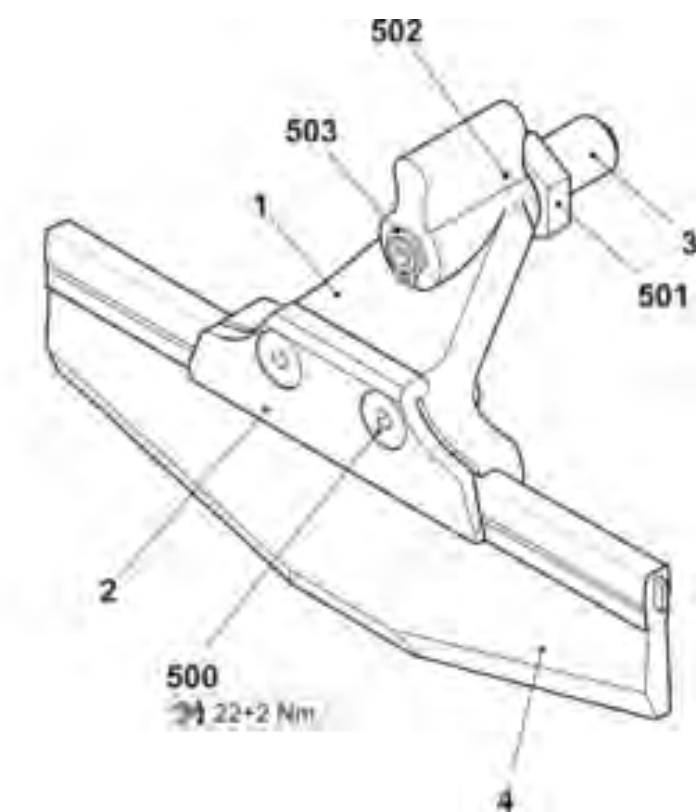
Pos	Designation	Id. no.		Pos	Designation	Id. no.
100	Coupling rod 42" and 44"	242 889		120	Sleeve	225 600
110	Connecting rod short	242 891		506	Cap screw M16x45	023 366



5.1 Overview of carriage

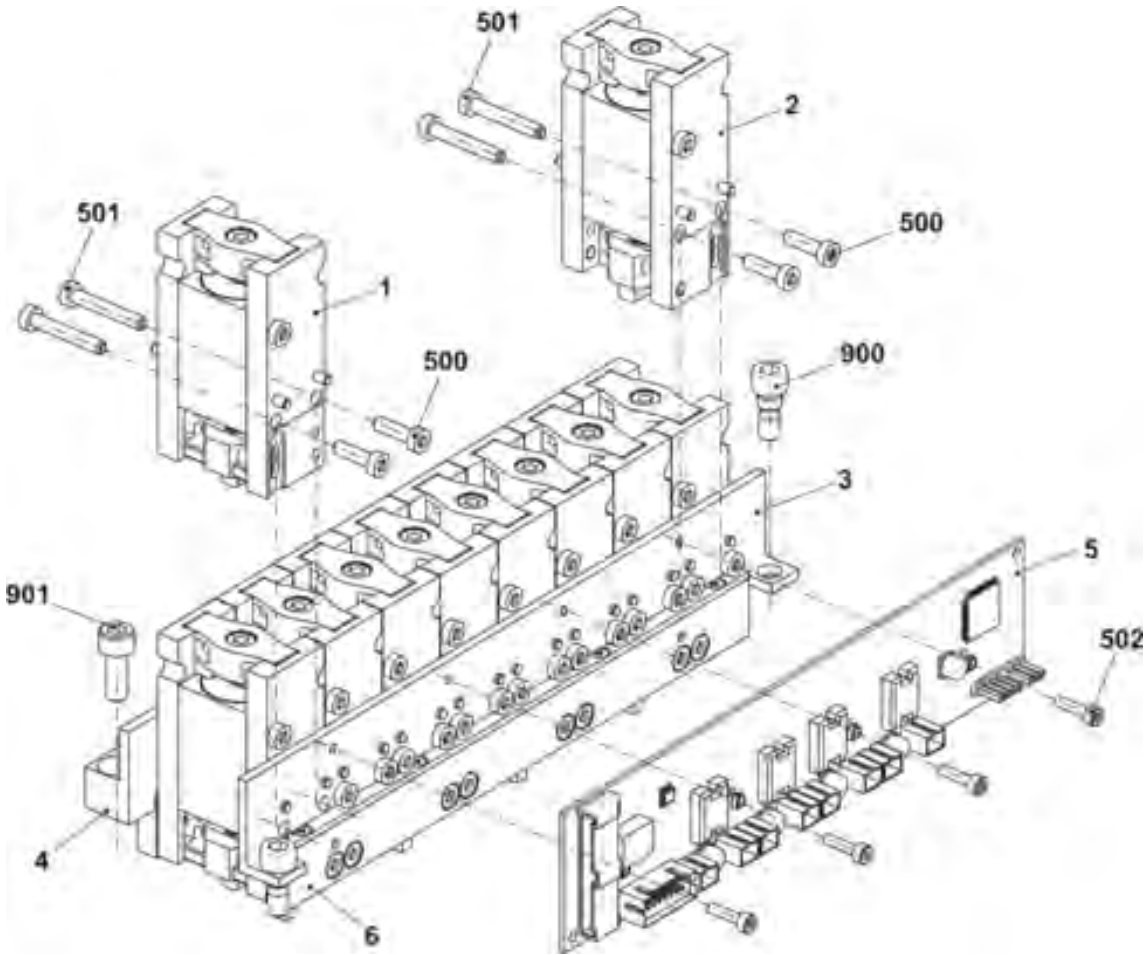
5.1.6 Brush holder

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Brush holder complete E5-8	220 064				
1	Brush holder	219 423		500	Countersunk screw M4x12	023 062
2	Brush clamp	213 010		501	Hexagon nut M8	020 856
3	Threaded rod	209 740		502	Shim ring	023 348
4	BrushE4-8	203 254		503	Retaining ring5x0,6	023 347



5.1.7 Yarn carrier driving without guide part

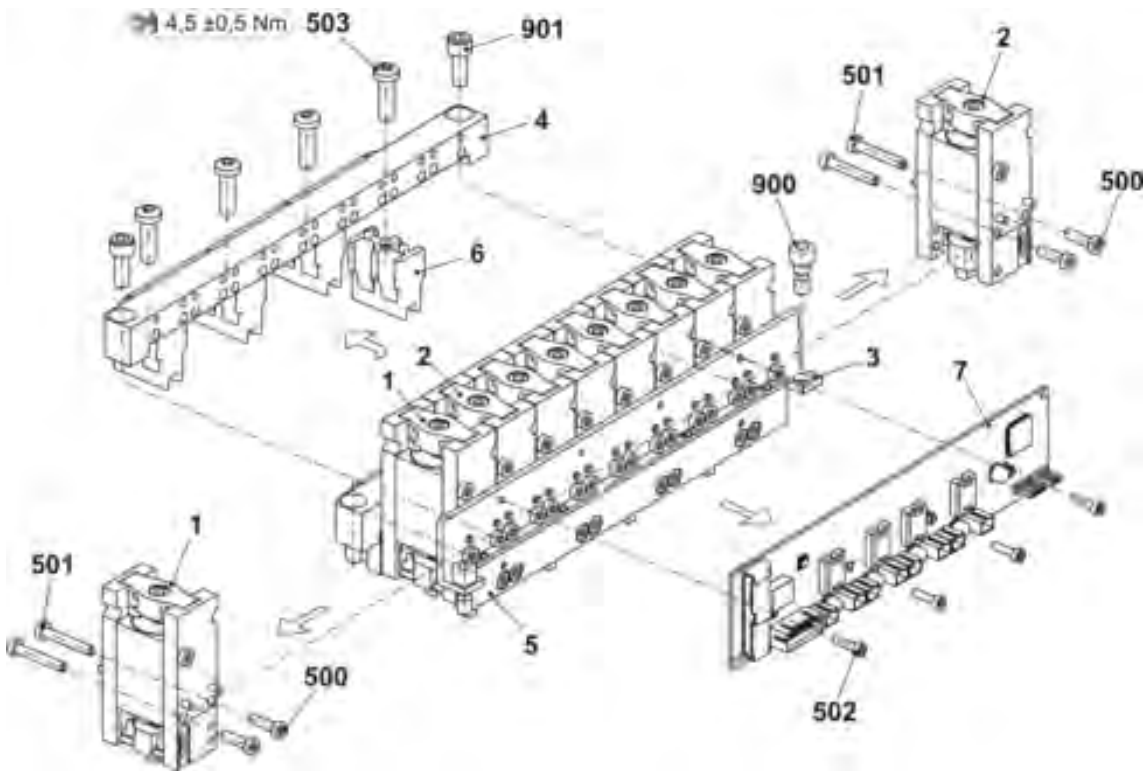
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	YC driving outside complete	245 297		6	Switch mechanism	251 137
1	Yarn carrier plunger on the right complete	243 080		500	Cap screw M4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118		501	Cap screw M4x25-I-Torx	245 305
3	Holding angle for jack	245 313		502	Cap screw M3x12-12.9	022 648
4	Holding block outside	245 294		900	Shoulder screw	231 899
5	Card yarn carrier final stagesOKC	300 960		901	Cap screw M6x16	020 135



5.1 Overview of carriage

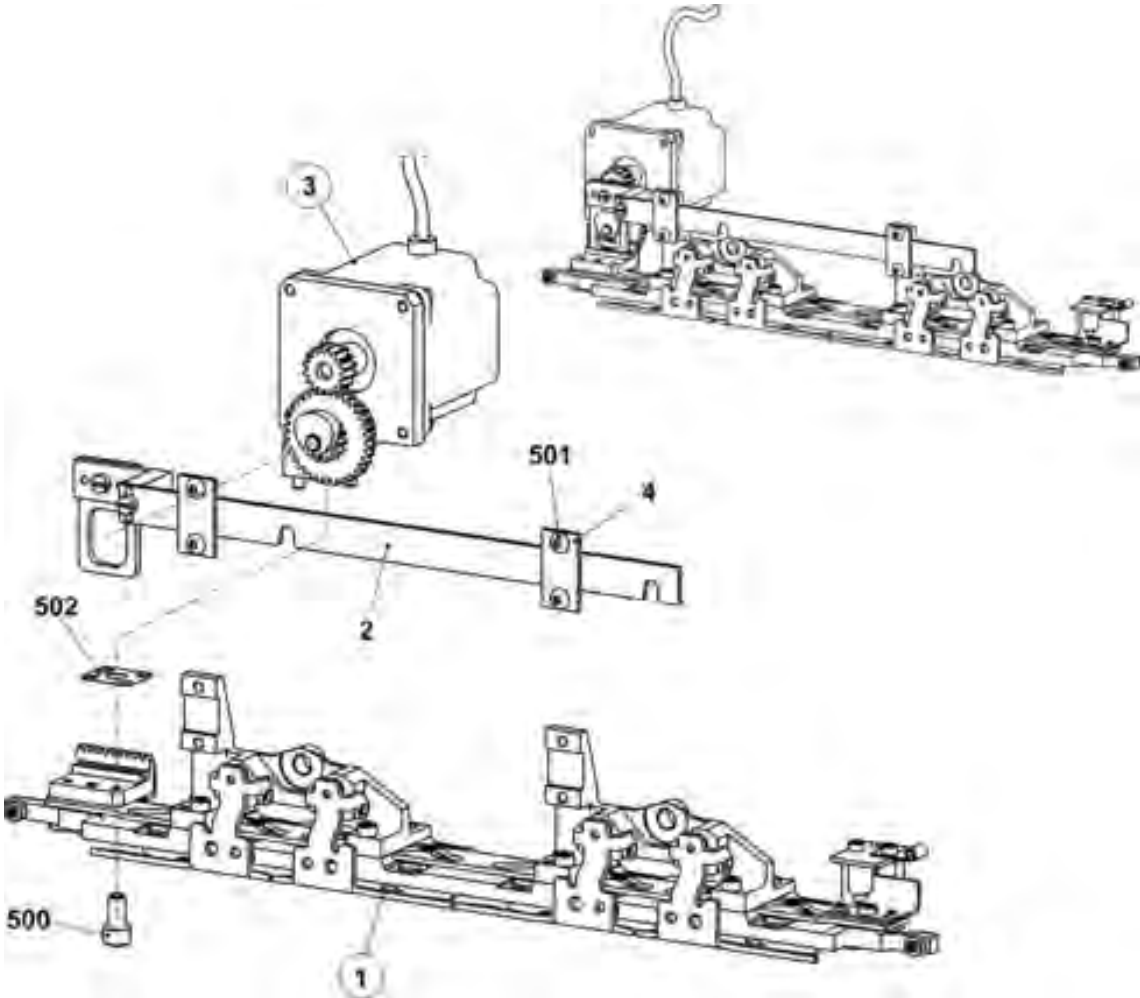
5.1.8 Yarn carrier driving with guide part

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	YC driving in the middle complete	245 298		7	Card yarn carrier final stagesOKC	300 960
1	Yarn carrier plunger on the right complete	243 080		500	Cap screw M4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118		501	Cap screw M4x25-I-Torx	245 305
3	Holding angle for jack	245 313		502	Cap screw M3x12-12.9	022 648
4	Holding block in the middle	245 308		503	Screw KB60x20	243 625
5	Switch mechanism	251 137		900	Shoulder screw	231 899
6	Guide part	239 972		901	Cap screw M6x16	020 135



5.1.9 Holding-down jack control

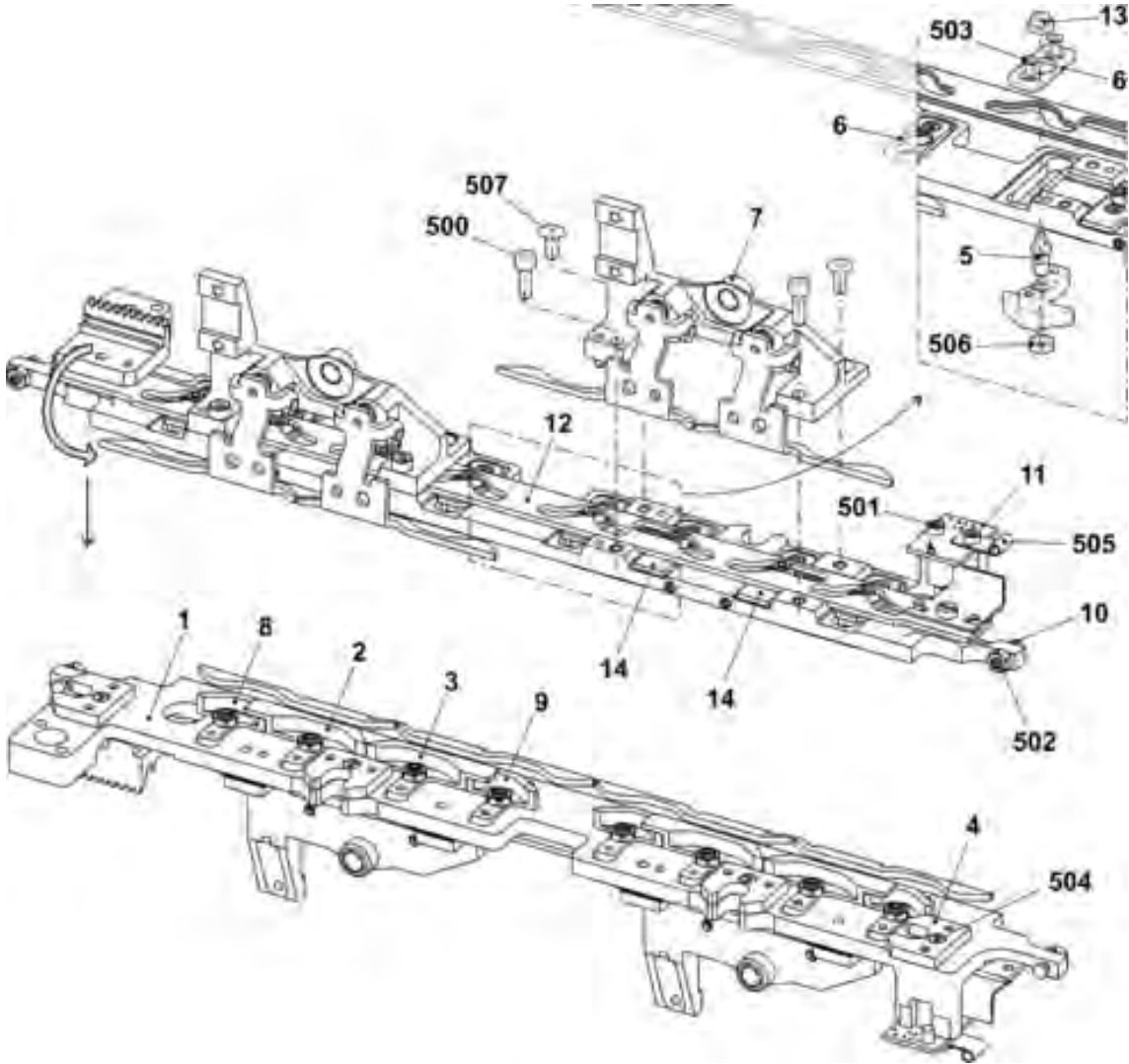
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Holding-down jack control complete			1	Jack cam box	
	E5 E5m.4 E2,5.2 E3,5.2kw	250 991			E5 E5m.4 E2,5.2 E3,5.2kw	250 981
	E7 E8 E7m.5 E7m.8 E8m.7 E3,5.2mg E5.2mg	250 989			E7 E8 E7m.5 E7m.8 E8m.7 E3,5.2mg E5.2mg	250 980
	E5.2kw	250 988			E5.2kw	250 979
2	Control slide complete	239 363		500	Cap screw M6x12	020 134
3	Control unit holding-down jacks	239 342		501	Pan head screw M4x6	023 427
4	Cover plate	221 272		502	Shim0,05x19x22	251 878



5.1 Overview of carriage

5.1.9.1 Jack cam box E5 | E5m.4 | E2,5.2 | E3,5.2 kw

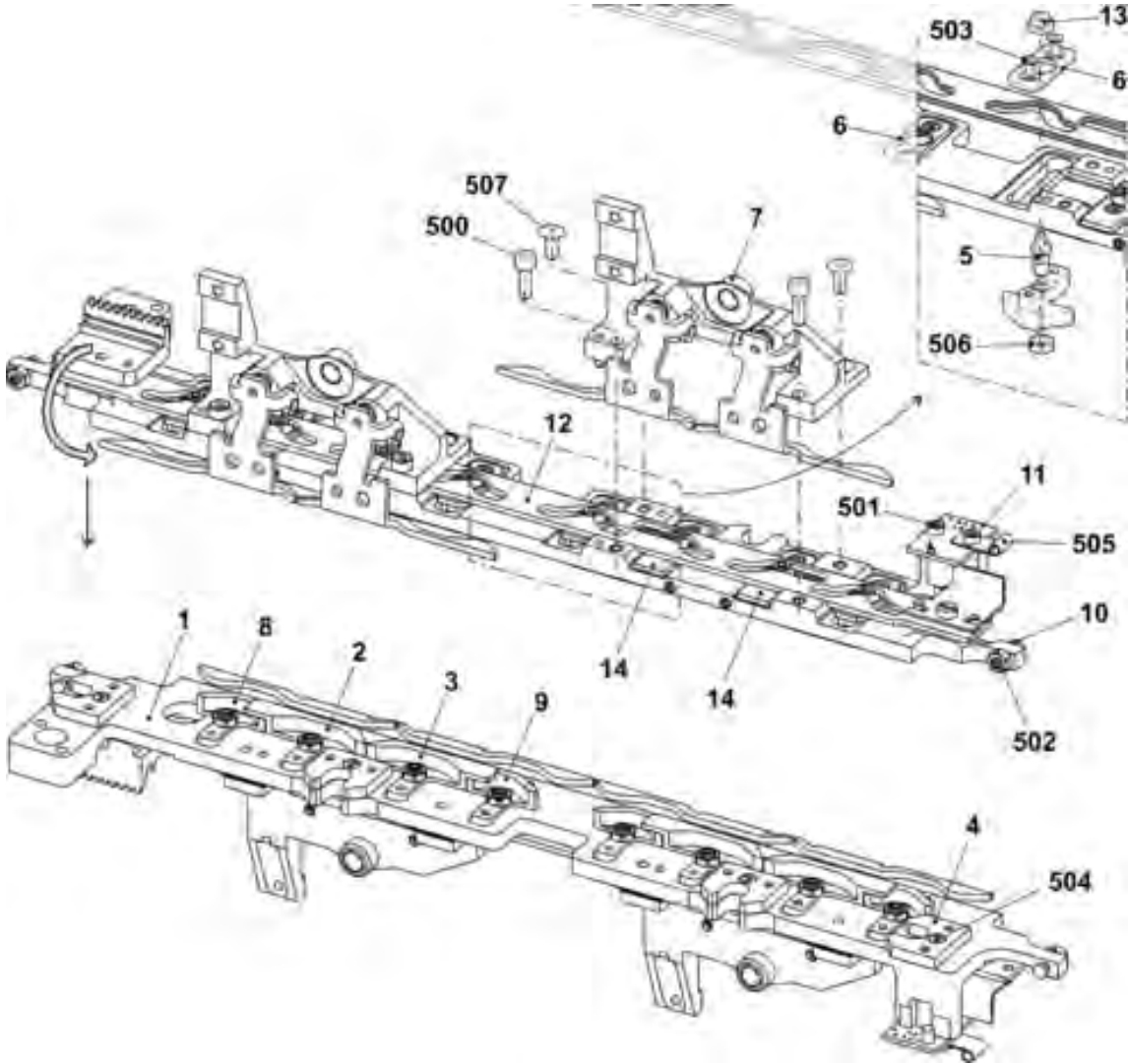
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Jack cam box complete E5 E5m.4 E2,5.2 E3,5.2kw	250 981		11	Card light barrier NP V2	240 243
1	Jack cam box plate	250 078		12	Control slide complete E2,5.2-8	253 568
2	Jack slider on the left E2,5.2 5	245 015		13	Cap bush	225 855
3	Jack slider on the right E2,5.2 5	245 016		14	Covering plate	254 958
4	Intermediate plate	239 423		500	Cap screw M4x12	022 664
5	Eccentric	239 344		501	Cap screw M3x6	022 589
6	Covering plate	250 178		502	Hexagon nut M4-6	022 536
7	Support complete	250 577		503	Countersunk screw M3x6	020 286
8	Floating cam at the left E2,5.2 5	245 017		504	Cap screw M3x6	020 005
9	Floating cam at the right E2,5.2 5	245 014		505	Fastening clamp	008 321
10	Set screw	241 936		506	Hexagon nut M5-04	020 854
				507	Countersunk screw M4x10	241 914



5.1 Overview of carriage

5.1.9.2 Jack cam box E7 | E8 | E7m.5 | E7m.8 | E8m.7 | E3,5.2 mg | E5.2 mg

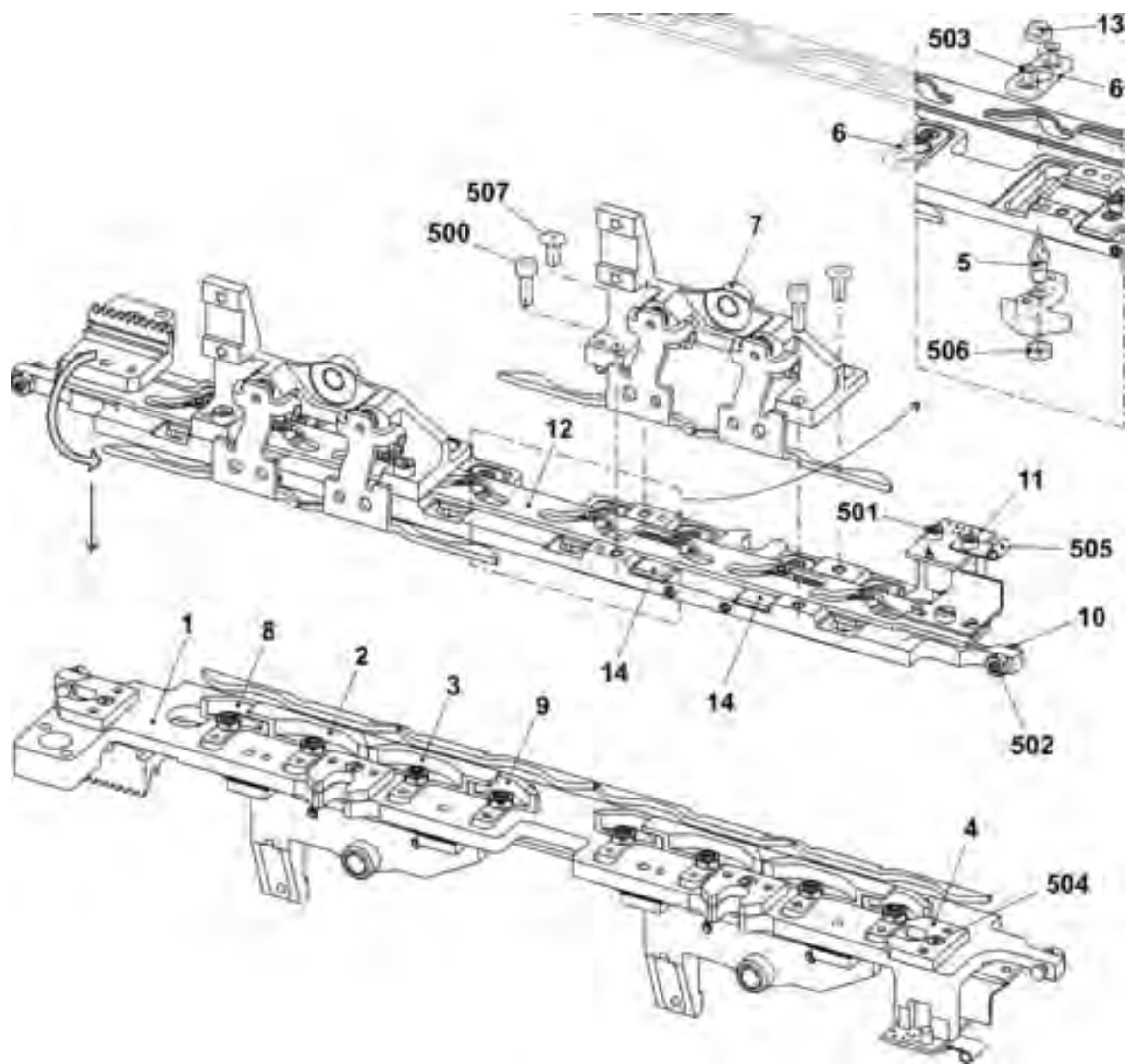
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Jack cam box complete E7 E8 E7m.5 E7m.8 E8m.7 E3,5.2mg E5.2mg	250 980	11	Card light barrier NP V2	240 243
1	Jack cam box plate	250 078	12	Control slide complete E2,5.2-8	253 568
2	Jack slider on the left E7-8 3,5.2mg	250 166	13	Cap bush	225 855
3	Jack slider on the right E7-8 3,5.2mg	250 167	14	Covering plate	254 958
4	Intermediate plate	239 423	500	Cap screw M4x12	022 664
5	Eccentric	239 344	501	Cap screw M3x6	022 589
6	Covering plate	250 178	502	Hexagon nut M4-6	022 536
7	Support complete	250 577	503	Countersunk screw M3x6	020 286
8	Floating cam at the left E7-8 3,5.2mg	250 164	504	Cap screw M3x6	020 005
9	Floating cam at the right E7-8 3,5.2mg	250 165	505	Fastening clamp	008 321
10	Set screw	241 936	506	Hexagon nut M5-04	020 854
			507	Countersunk screw M4x10	241 914



5.1 Overview of carriage

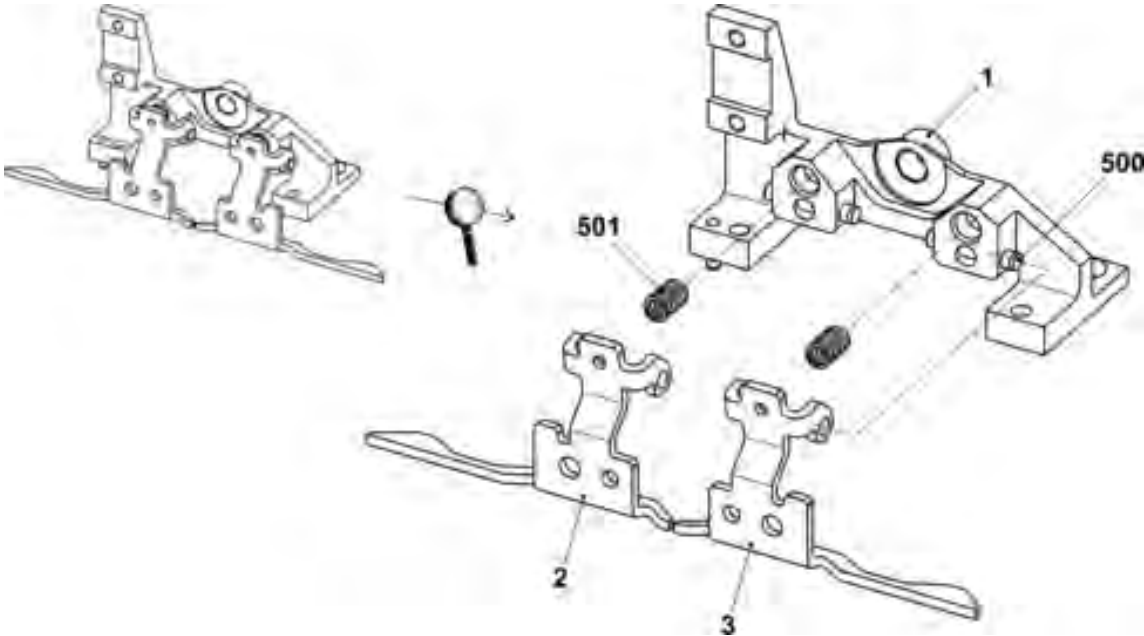
5.1.9.3 Jack cam box E5.2 kw

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Jack cam box complete E5.2kw	250 979	12	Control slide complete E2,5.2-8	253 568
2	Jack slider on the left E5.2 6.2	250 162	13	Cap bush	225 855
3	Jack slider on the right E5.2 6.2	250 163	14	Covering plate	254 958
4	Intermediate plate	239 423	500	Cap screw M4x12	022 664
5	Eccentric	239 344	501	Cap screw M3x6	022 589
6	Covering plate	250 178	502	Hexagon nut M4-6	022 536
7	Support complete	250 577	503	Countersunk screw M3x6	020 286
8	Floating cam at the left	250 160	504	Cap screw M3x6	020 005
9	Floating cam at the right E5.2 6.2	250 161	505	Fastening clamp	008 321
10	Set screw	241 936	506	Hexagon nut M5-04	020 854
11	Card light barrier NP V2	240 243	507	Countersunk screw M4x10	241 914



5.1.9.4 Support complete

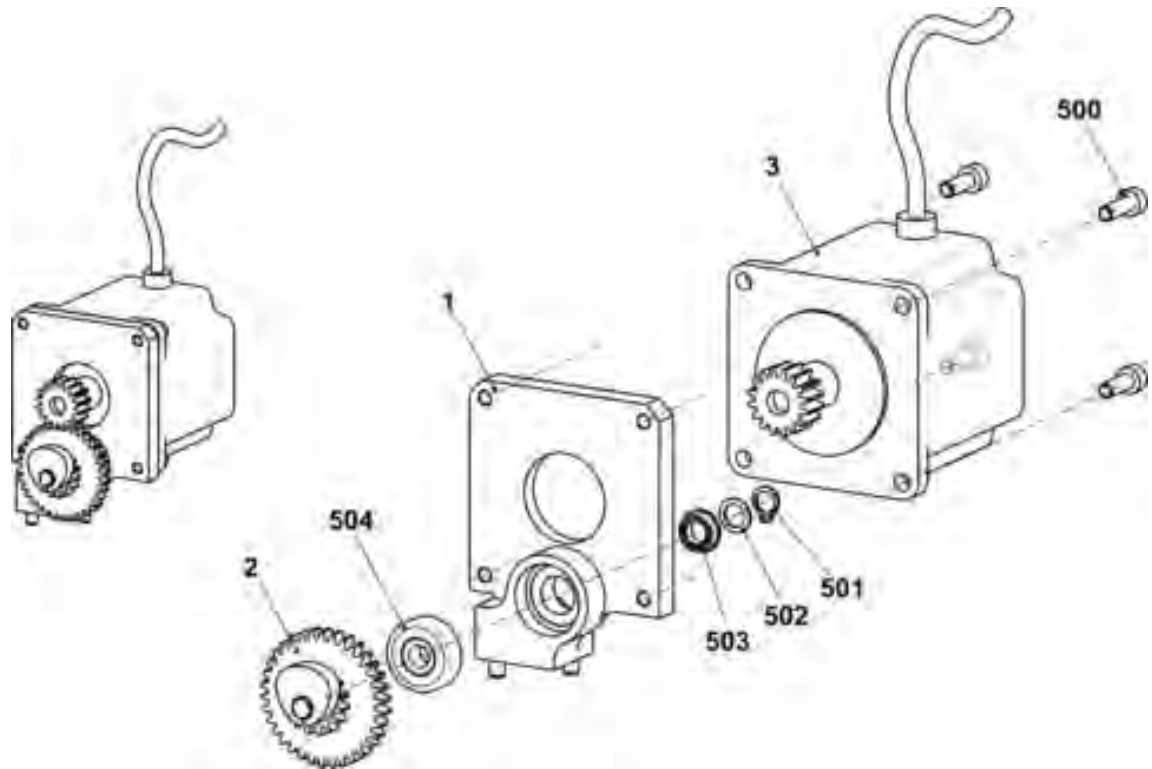
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Support complete	250 577		3	Set-out plate on the left	251 485
1	Support	251 192		500	Dowel pin 4x22	020 663
2	Set-out plate on the right	251 484		501	Compression spring 0,8x5,0x12	250 693



5.1 Overview of carriage

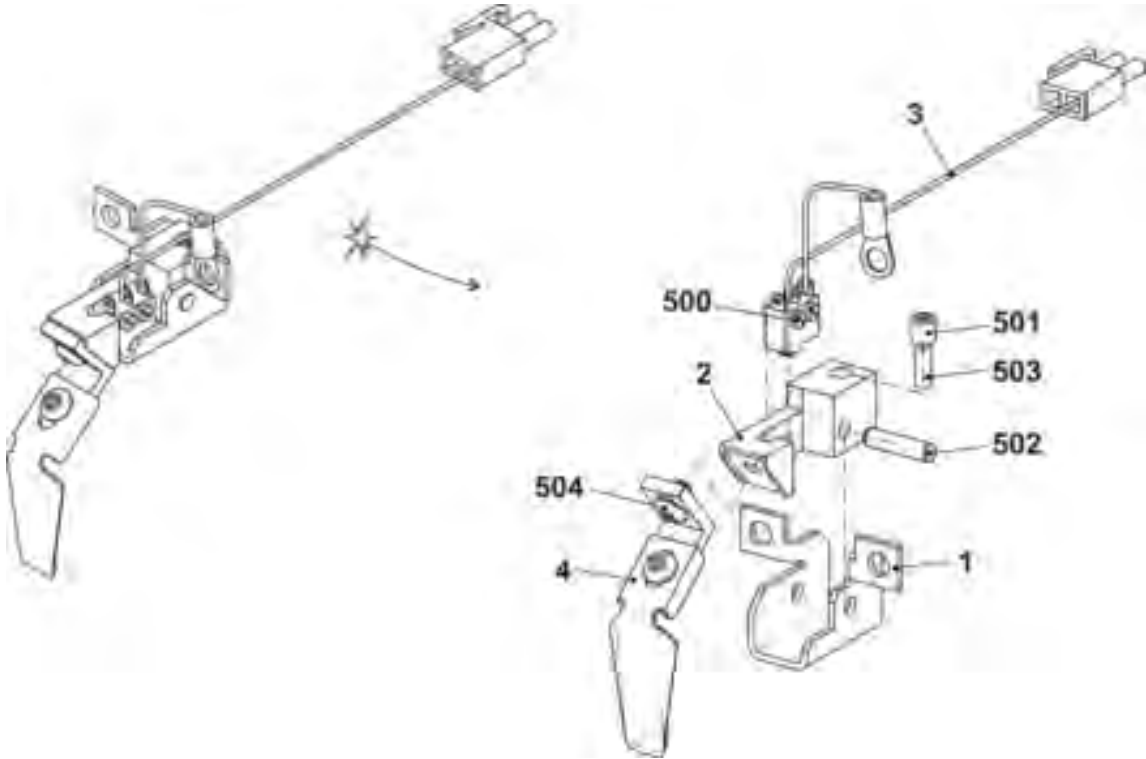
5.1.9.5 Control unit holding-down jacks

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Control unit holding-down jacks	239 342				
1	Motor plate	239 336		501	Retaining ring6x0,7	023 298
2	Gear wheel complete	256 671		502	Washer6,1x9x0,5	023 554
3	Motor complete	239 343		503	Grooved ball bearing 6x10x3	023 533
500	Cap screw M4x12	022 664		504	Grooved ball bearing 626-2RS	023 587



5.1.10 Needle detector

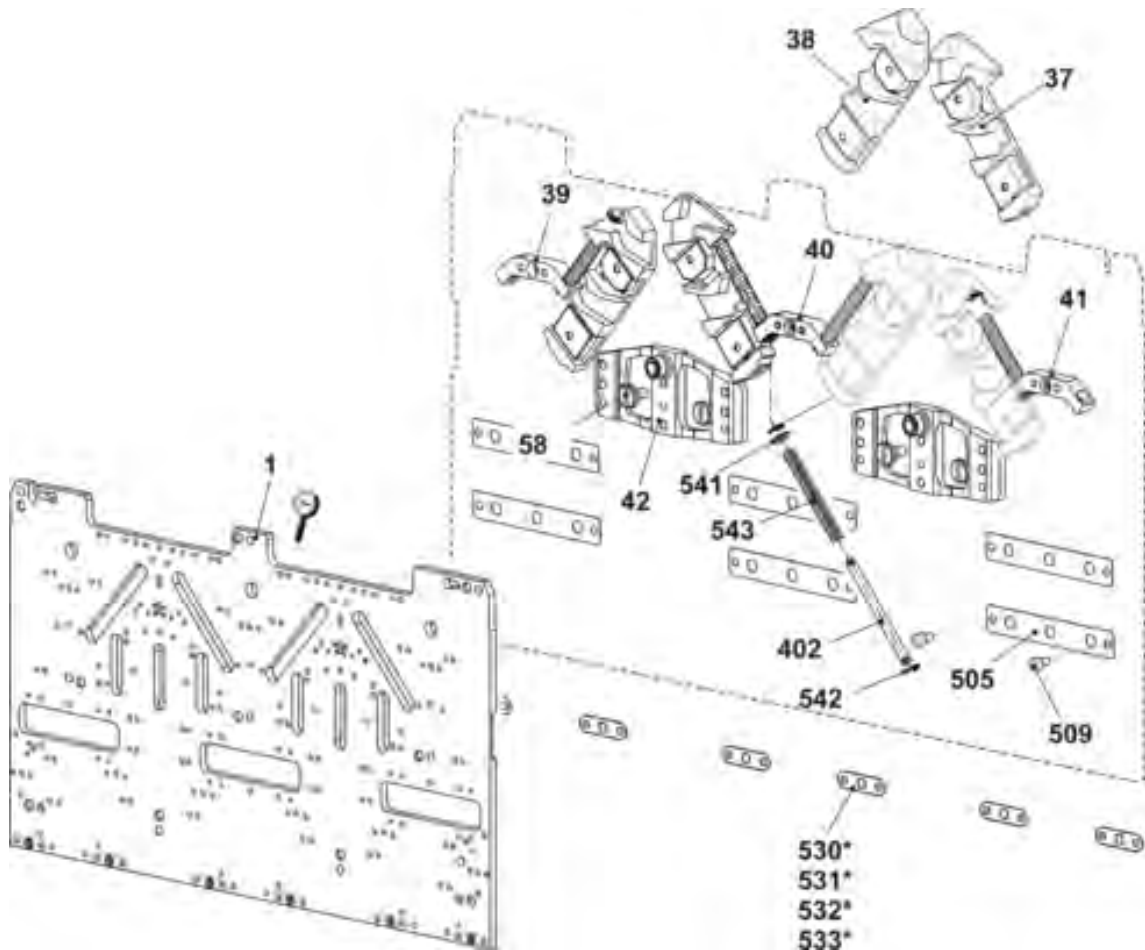
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle detector E5-14	239 444		500	Pan head screw M2x8	258 310
1	Holder needle stop	239 405		501	Setscrew M5x8	022 809
2	Switching part	239 368		502	Dowel pin 4x16	020 660
3	Cable of needle detector complete	240 018		503	Compression spring 4,3x0,45x10	021 398
4	Sensor pre-assembled E5-14	221 758		504	Pan head screw M4x6	023 427



5.1 Overview of carriage

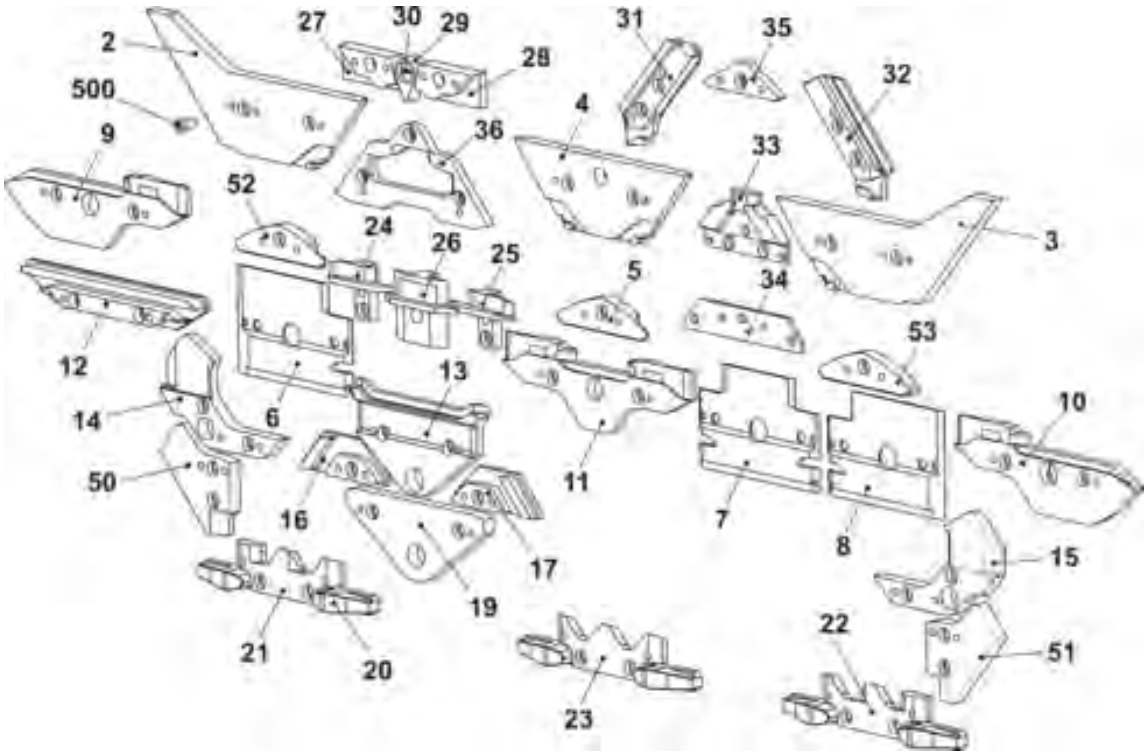
5.1.11 Cam box E5 | E5m.4 | E7m.5 | E2,5.2 | E3,5.2kw | E5.2

Pos	Designation		Id. no.		Pos	Designation		Id. no.
Σ	Cam box set complete E5		244 239					
1	Cam plate		241 760			543	Compression spring	250 515
37	Loop sinking cam on the right completeE5-10		211 163		42	Switching piece		240 281
38	Loop sinking cam on the left completeE5-10		211 164		58	Shoulder screw		239 626
39	Rod guide element on the left		211 165		505	Shim0,5x12x75		236 654
40	Rod guide element in the middle		211 166		509	Pan head screw M3x4		023 142
41	Rod guide element on the right		211 168		530*	Shim0,03x8x28		023 452
	402	Spring rod	209 791		531*	Shim0,05x8x28		023 020
	541	Disk4,1x6x0,5	022 893		532*	Shim0,1x8x28		023 018
	542	Circlip 3,2	021 019		533*	Shim0,2x8x28		023 385



5.1.11.1 Cams E5 | E5m.4 | E7m.5 | E2,5.2 | E3,5.2kw | E5.2, continuation

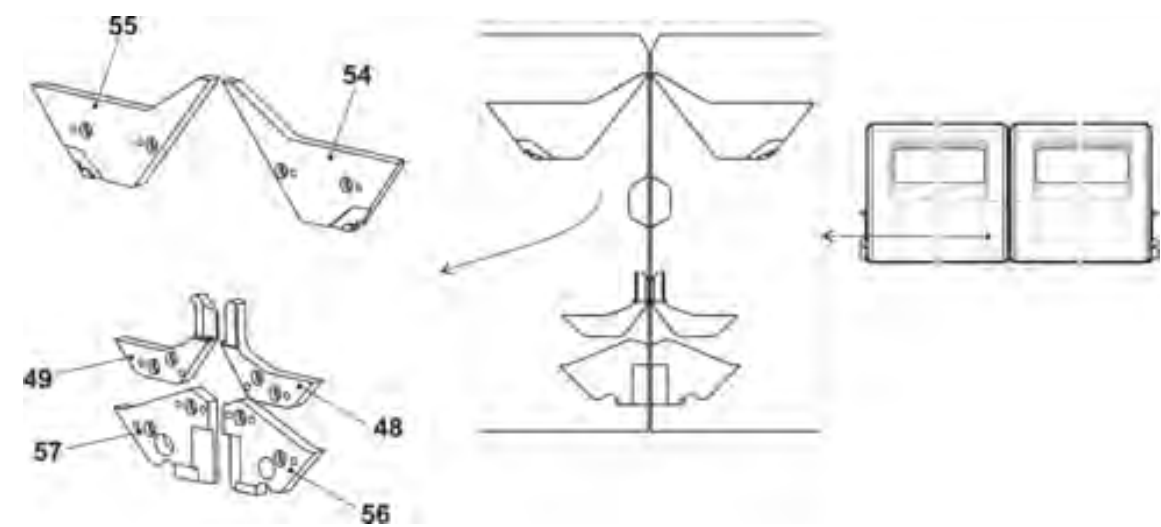
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box set complete E5, continuation	244 239			
2	Entry cam on the left	213 304	23	Selection cam	212 946
3	Entry cam on the right	213 303	24	Pressure part receiving on the left	239 848
4	Entry cam in the middle	210 285	25	Pressure part receiving on the right	239 849
5	Entry cam in the middle bottom E2,5.2+E3,5.2	235 719	26	Tuck pressure part	239 621
6	Plate on the left	230 988	27	Limiting cam on the left E5	210 289
7	Plate in the middle	231 035	28	Limiting cam on the right E5	210 290
8	Plate on the right	231 036	29	Pointer E2,5.2 E3,5.2	229 505
9	Cam on the left	231 039	30	Screw	210 335
10	Cam part at the right	231 041	31	Stitch cam on the left E2,5.2+E3,5.2	235 712
11	Cam part at the center	231 040	32	Stitch cam on the right E2,5.2+E3,5.2	235 713
12	Cam part	227 923	33	Tuck limiting cam E5	214 051
13	Cam part	210 254	34	Raising cam plate E4-12	204 372
14	Cam on the left E5-14	212 265	35	Receiving cam E5	210 386
15	Cam at the right E5-14	212 266	36	Raising cam without split-stitchE5	213 302
16	Cam on the left	236 192		Raising cam with split-stitch E5 (Accessories)	213 294
17	Cam part at the right	236 193	50	Cam on the left	259 766
19	Cam part	210 252	51	Cam part at the right	259 767
20	Offering cam	210 185	52	Entry cam at the bottom on the left E2,5.2 E3,5.2	235 718
21	Selection cam on the left	212 944	53	Entry cam at the bottom on the right E2,5.2 E3,5.2	235 720
22	Selection cam on the right	212 947	500	Cap screw M4x8	020 091



5.1 Overview of carriage

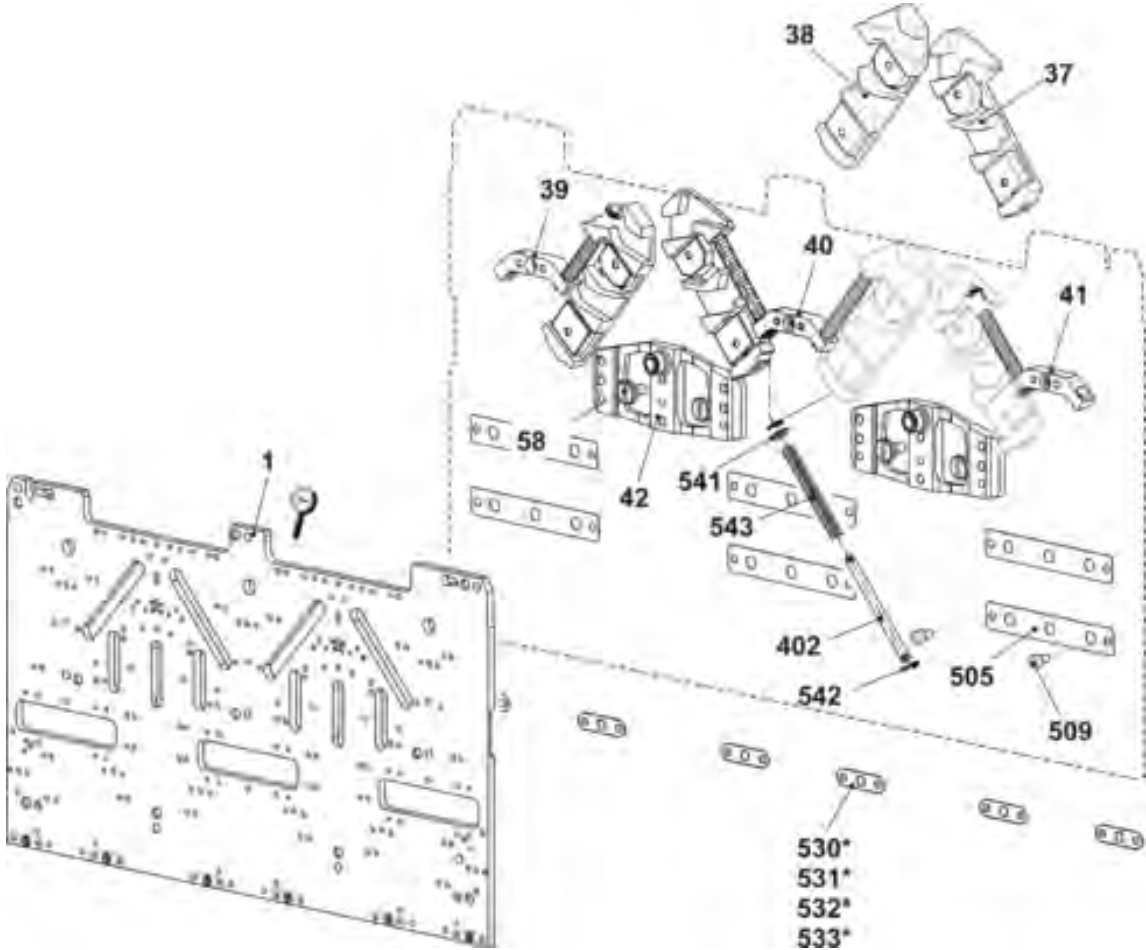
5.1.11.2 Cams for narrow coupling E5 | E7 | E8 | E5m.4 | E7m.5 | E7m.8 | E8m.7 | E2,5.2 | E3,5.2 | E5.2

Pos	Designation	Id. no.		Pos	Designation	Id. no.
54	Entry cam on the left E5-14	216 221		55	Entry cam on the right E5-14	216 220
48	Cam on the left E5-14	216 167		49	Cam at the right E5-14	216 168
56	Cam on the left	216 165		57	Cam part at the right	216 166



5.1.12 Cam box E7 | E8 | E7m.8 | E8m.7

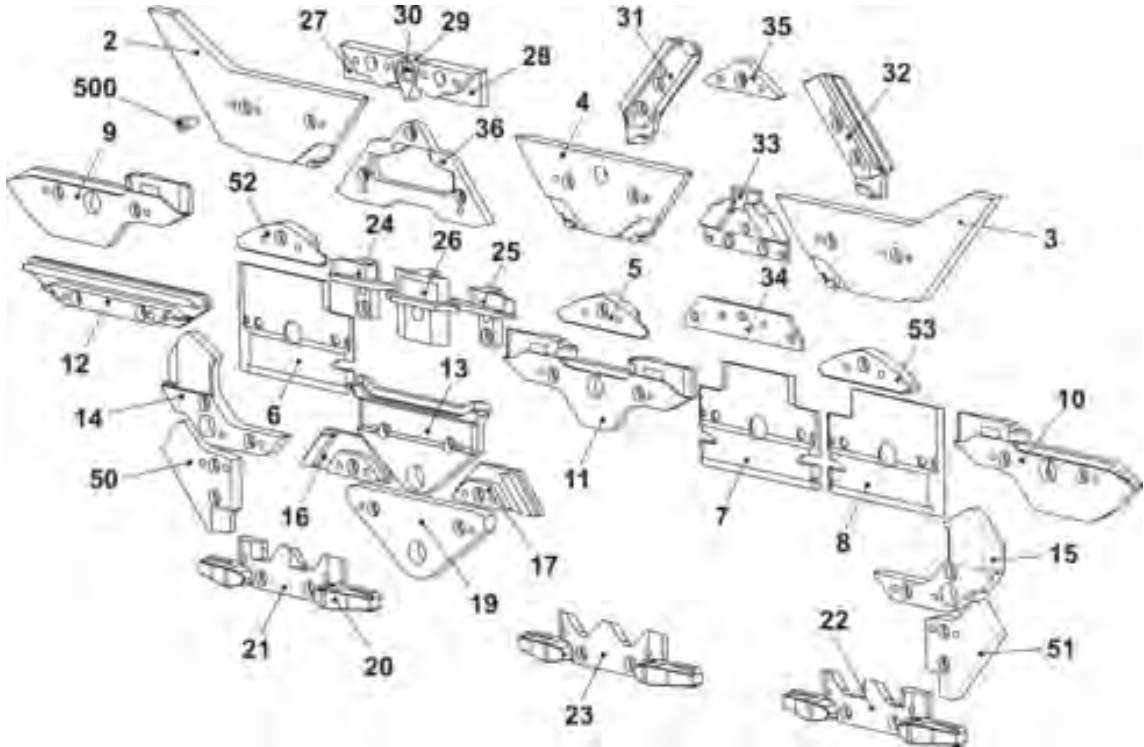
Pos	Designation		Id. no.	Pos	Designation		Id. no.
Σ	Cam box set complete E3		244 389				
1	Cam plate		241 760		543	Compression spring	250 515
37	Loop sinking cam on the right completeE5-10		211 163	42	Switching piece		240 281
38	Loop sinking cam on the left completeE5-10		211 164	58	Shoulder screw		239 626
39	Rod guide element on the left		211 165	505	Shim0,5x12x75		236 654
40	Rod guide element in the middle		211 166	509	Pan head screw M3x4		023 142
41	Rod guide element on the right		211 168	530*	Shim0,03x8x28		023 452
	402	Spring rod	209 791	531*	Shim0,05x8x28		023 020
	541	Disk4,1x6x0,5	022 893	532*	Shim0,1x8x28		023 018
	542	Circlip 3,2	021 019	533*	Shim0,2x8x28		023 385



5.1 Overview of carriage

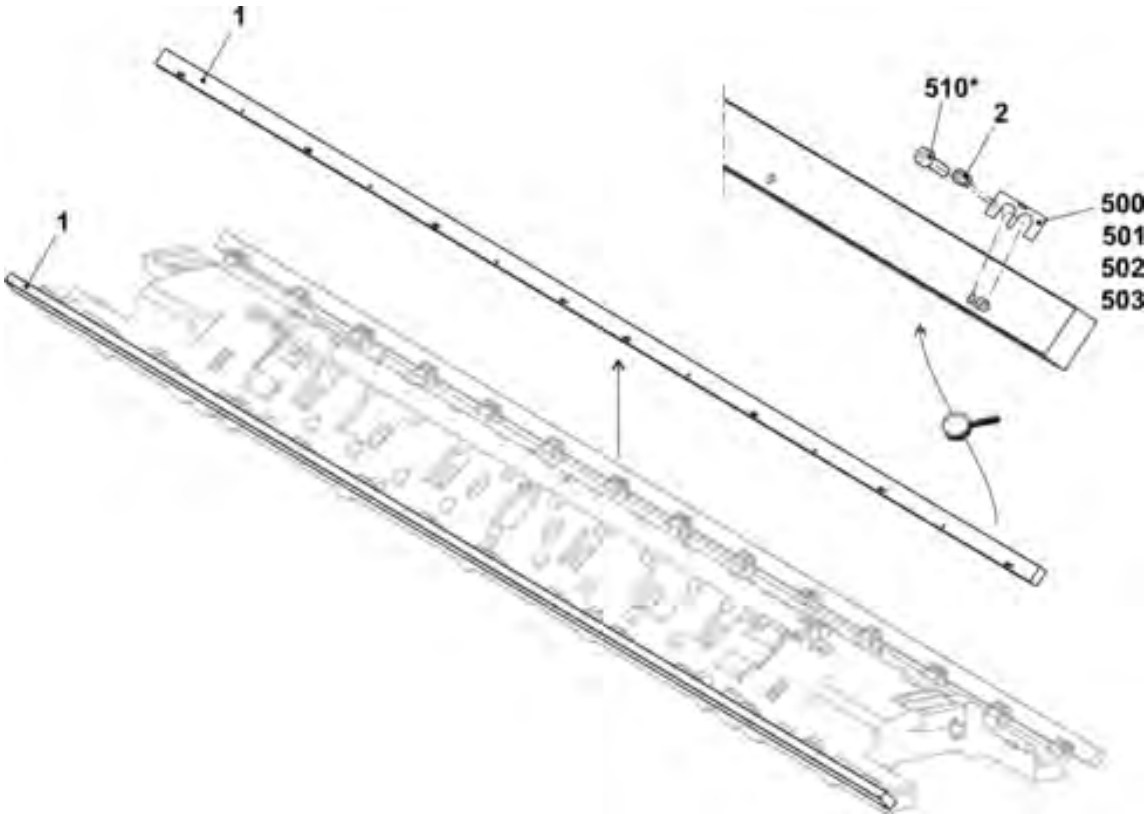
5.1.12.1 Cams E7 | E8 | E7m.8 | E8m.7, continuation

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box set complete E3, continuation	244 389			
2	Entry cam on the left	213 304	23	Selection cam	212 946
3	Entry cam on the right	213 303	24	Pressure part receiving on the left	239 848
4	Entry cam in the middle	210 285	25	Pressure part receiving on the right	239 849
5	Entry cam at the bottom E5-8	212 395	26	Tuck pressure part	239 621
6	Plate on the left	230 988	27	Limiting cam on the left E7-8	210 291
7	Plate in the middle	231 035	28	Limiting cam on the right E7-8	210 292
8	Plate on the right	231 036	29	Pointer E5-8	210 336
9	Cam on the left	231 039	30	Screw	210 335
10	Cam part at the right	231 041	31	Stitch cam on the left E7-8	210 324
11	Cam part at the center	231 040	32	Stitch cam on the right E7-8	210 323
12	Cam part	227 923	33	Tuck limiting cam E7-8	255 056
13	Cam part	210 254	34	Raising cam plate E4-12	204 372
14	Cam on the left E5-14	212 265	35	Receiving cam E7-8	210 339
15	Cam at the right E5-14	212 266	36	Raising cam without split-stitch E7-8	255 055
16	Cam on the left	236 192		Raising cam with split-stitch E7-8 (Accessories)	255 192
17	Cam part at the right	236 193	50	Cam on the left	259 766
19	Cam part	210 252	51	Cam part at the right	259 767
20	Offering cam	210 185	52	Entry cam on the left E5-8	213 161
21	Selection cam on the left	212 944	53	Entry cam on the right E5-8	213 162
22	Selection cam on the right	212 947	500	Cap screw M4x8	020 091



5.2 Spare parts package carriage guide rail

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Spare parts package carriage guide rail84"	252 993		501	Shim0,05x22x42	243 291
1	Carriage guide rail	242 486		502	Shim0,10x22x42	243 292
2	Adjusting eccentric	241 219		503	Shim0,20x22x42	243 293
500	Shim0,03x22x42	243 289		510*	Cap screw M8x20	020 141



5.2 Spare parts package carriage guide rail

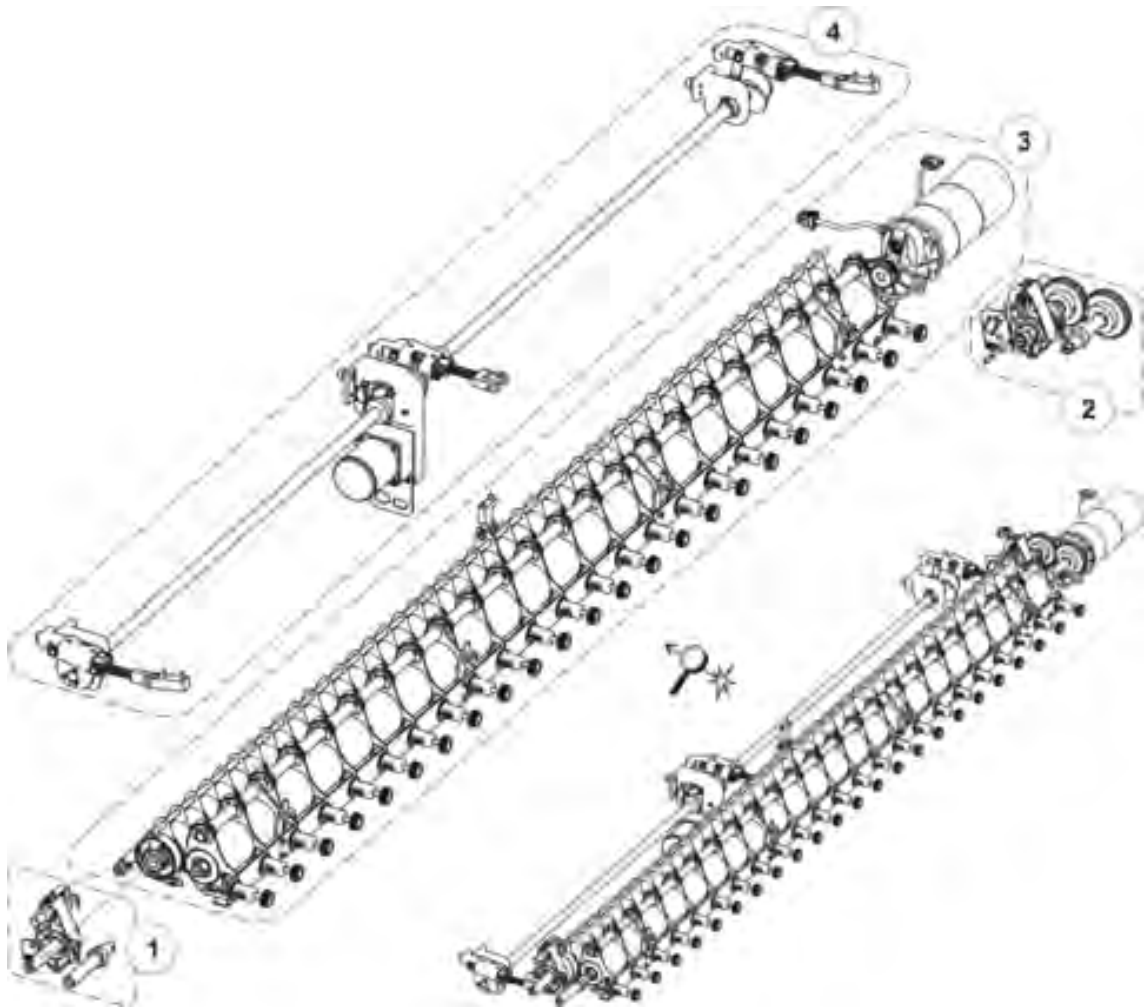
Notes:

6 Main take-down



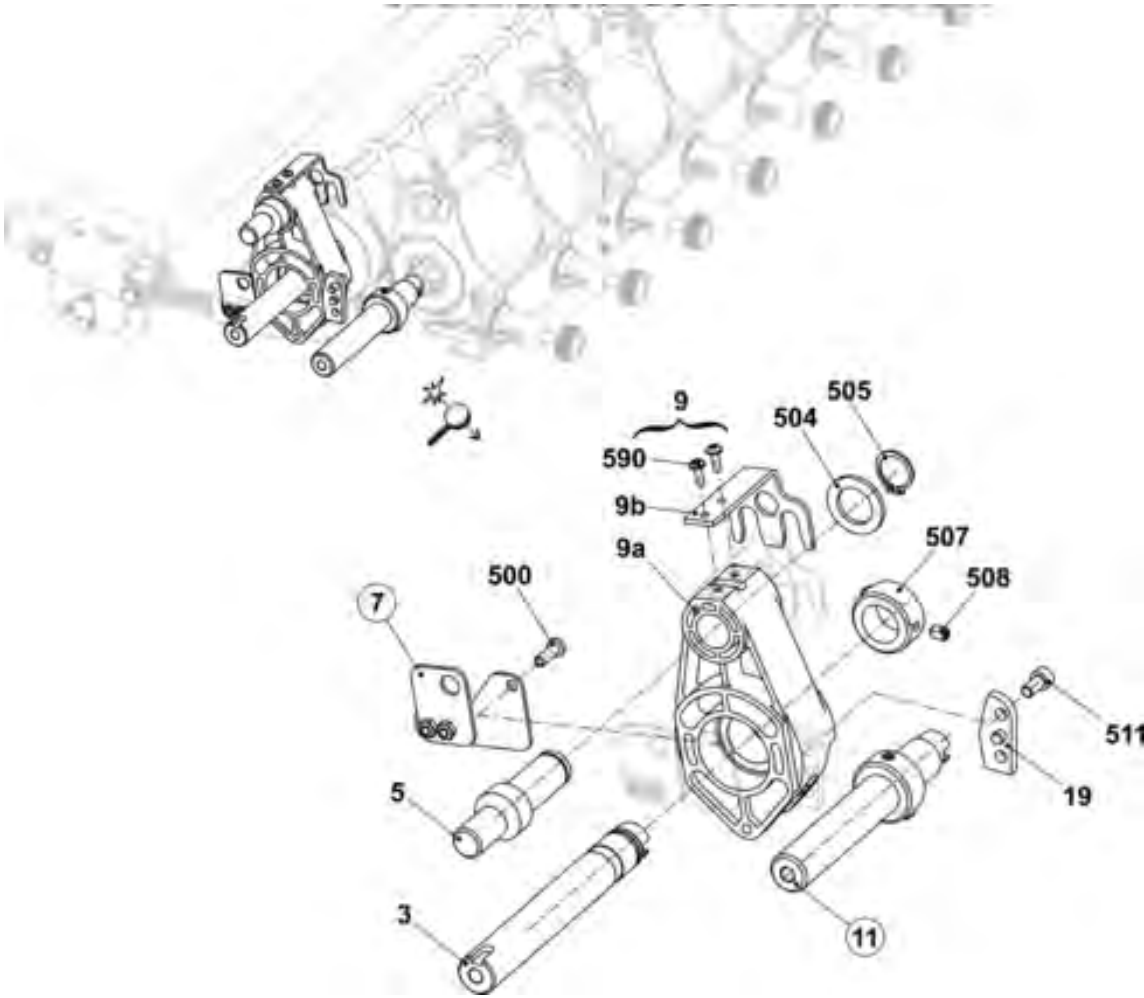
6.1 Main take-down

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Main take-down					
1	Main take-down on the left	255 257		3	Main take-down in the middle E5-14	255 249
2	Main take-down on the right	255 258		4	Main take-down on / off complete 84"	253 387



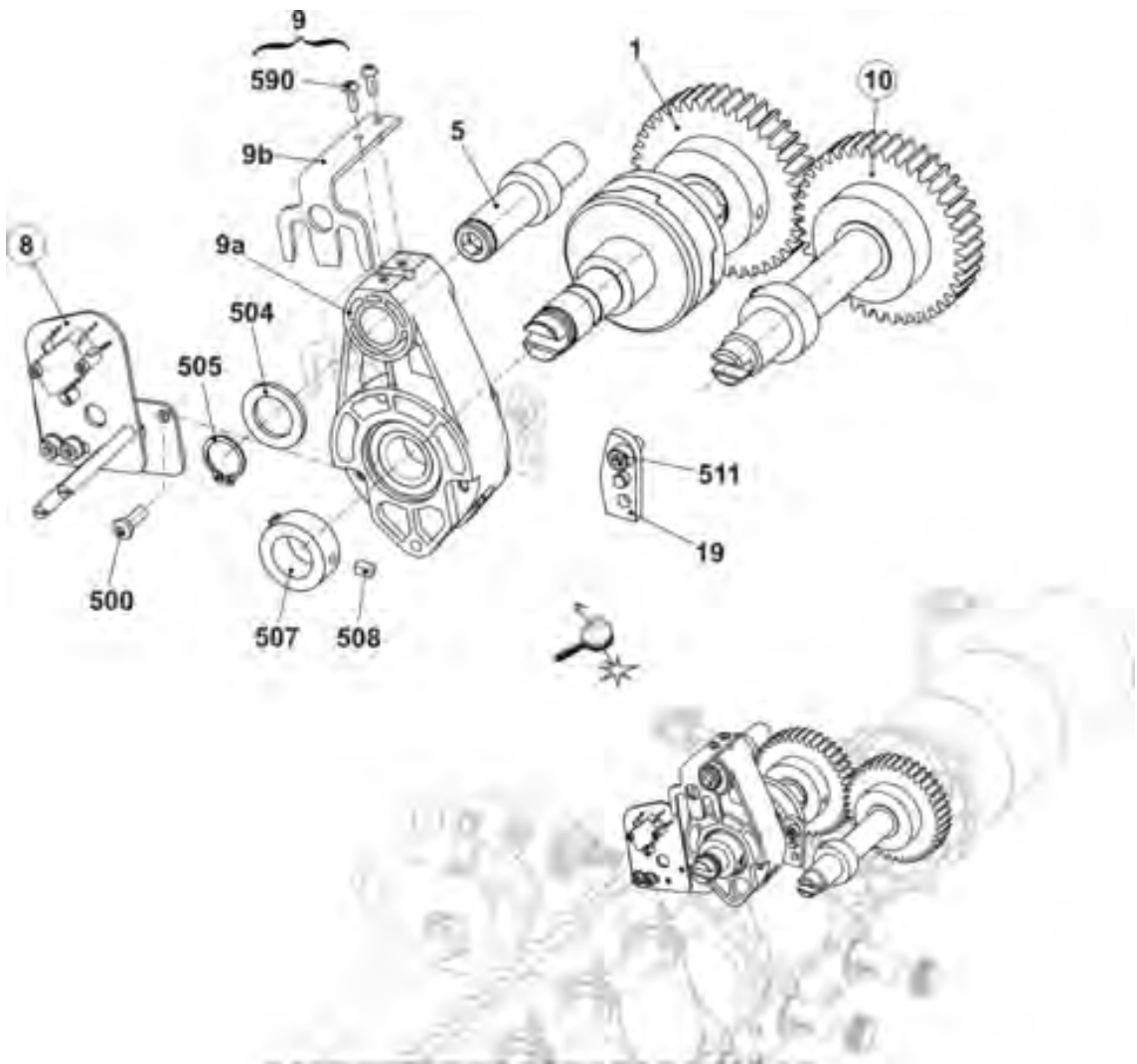
6.2 Main take-down on the left

Pos	Designation		Id. no.		Pos	Designation		Id. no.
Σ	Main take-down on the left		255 257		11	Full floating axle on the left		237 354
3	Shaft on the left at the rear		255 305		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		253 247		505	Retaining ring18x1,2		020 955
	9a	Swivel-mounted bearing	253 200		507	Set collar		020 938
	9b	Sheet metal support	253 212		508	Setscrew		022 684
	590	Screw 35x10	251 729		511	Cap screw M6x12		020 134



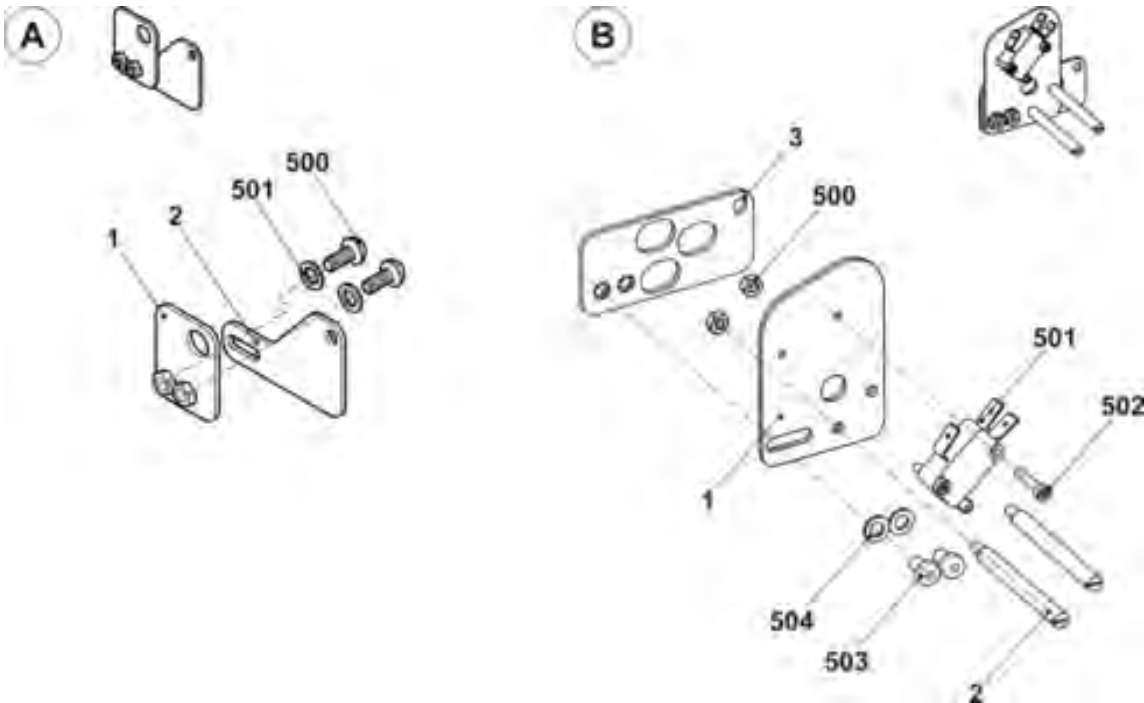
6.3 Main take-down on the right

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Main take-down on the right	255 258		10	Full floating axle on the right	237 353
1	Clutch set	253 260		19	Stop point	252 503
5	Bolts	208 538		500	Screw 50x15	251 728
8	Mounting plate on the right complete	260 090		504	Washer18	023 295
9	Swivel-mounted bearing	253 247		505	Retaining ring18x1,2	020 955
	9a	Swivel-mounted bearing	253 200	507	Set collarA20	020 938
	9b	Sheet metal support	253 212	508	Setscrew M6x8	022 684
	590	Screw 35x10	251 729	511	Cap screw M6x12	020 134



6.3.1 Mounting plate

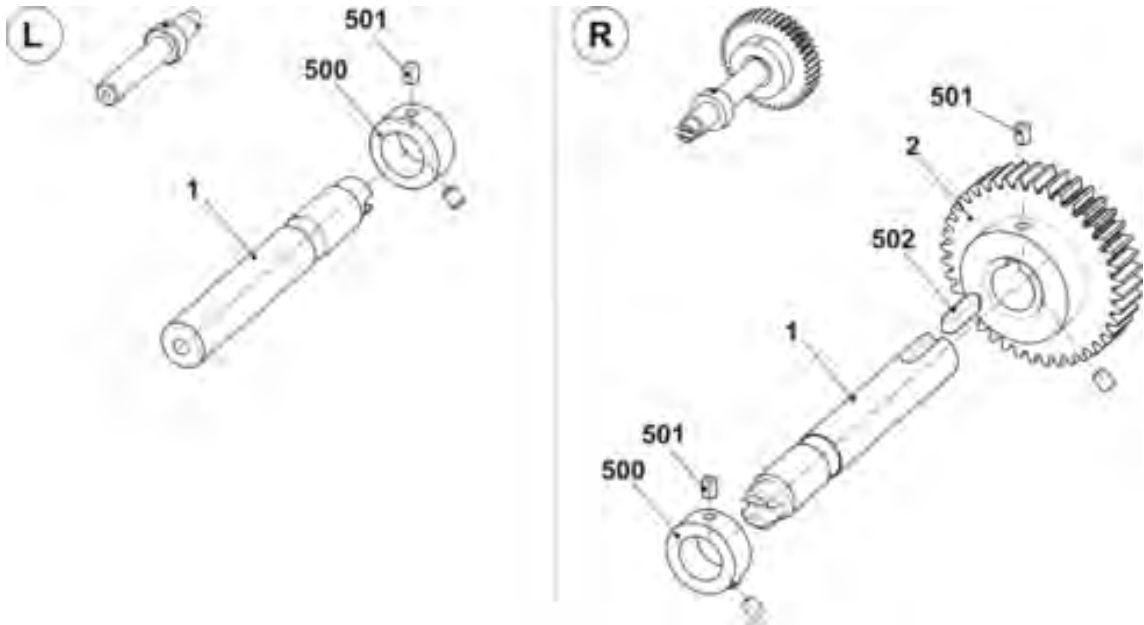
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ A	Mounting plate on the left complete	231 725		2	Shoulder screw	240 067
1	Mounting plate on the left	231 541		3	Retaining plate on the right	240 066
2	Retaining plate on the left	231 539		500	Hexagon nut M4-6	022 536
500	Pan head screw M5x10	023 247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



6.3 Main take-down on the right

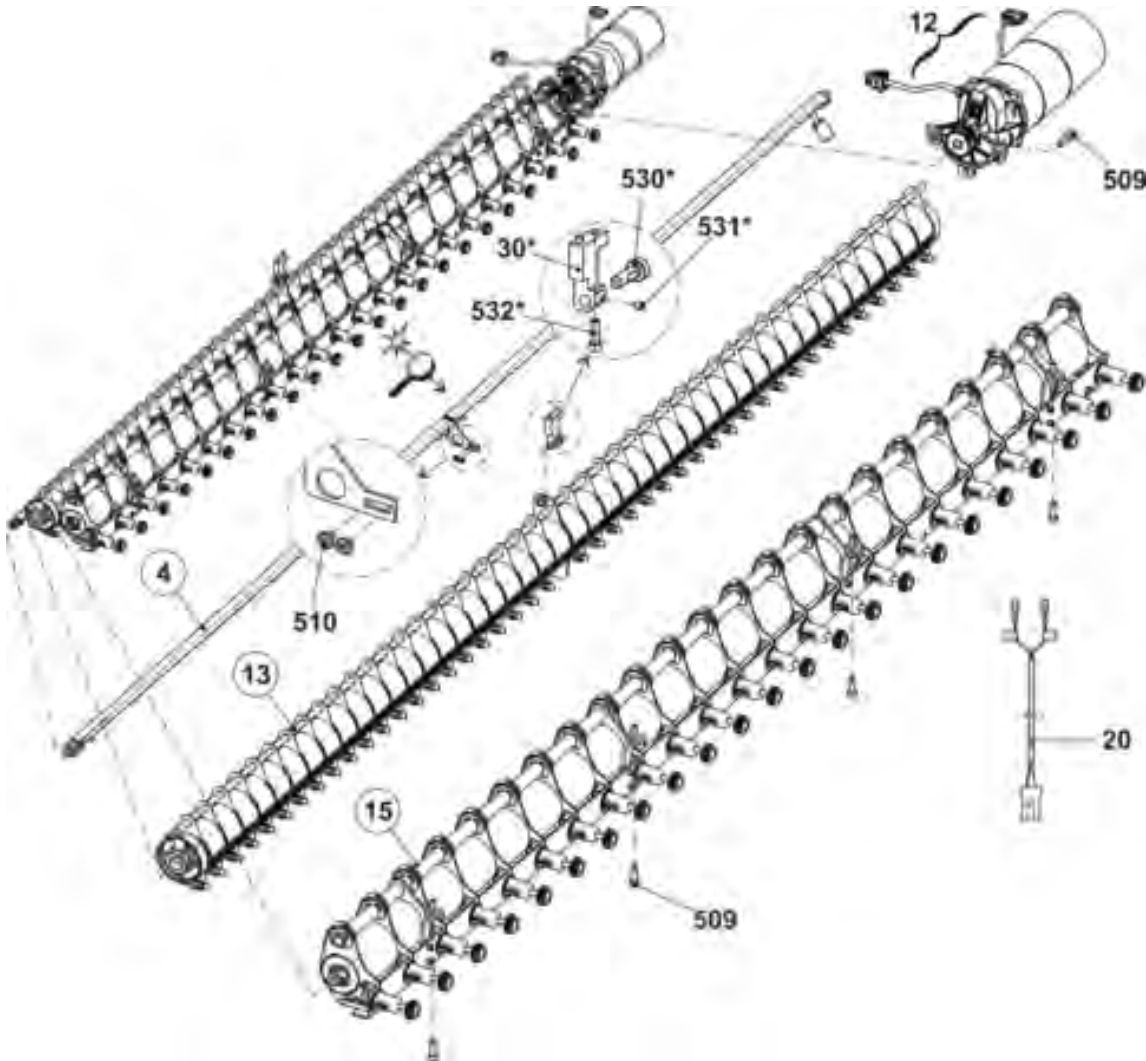
6.3.2 Full floating axle

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ L	Full floating axle on the left	237 354		Σ R	Full floating axle on the right	237 353
1	Shaft on the left at the front	237 334		1	Shaft on the right in front	237 340
500	Set collar	020 938		2	Gear wheel Z=40, M=2	213 744
501	Setscrew M6x8	022 684		500	Set collar	020 938
				501	Setscrew M6x8	022 684
				502	Feather key A 6x6x25	023 017



6.4 Main take-down in the middle

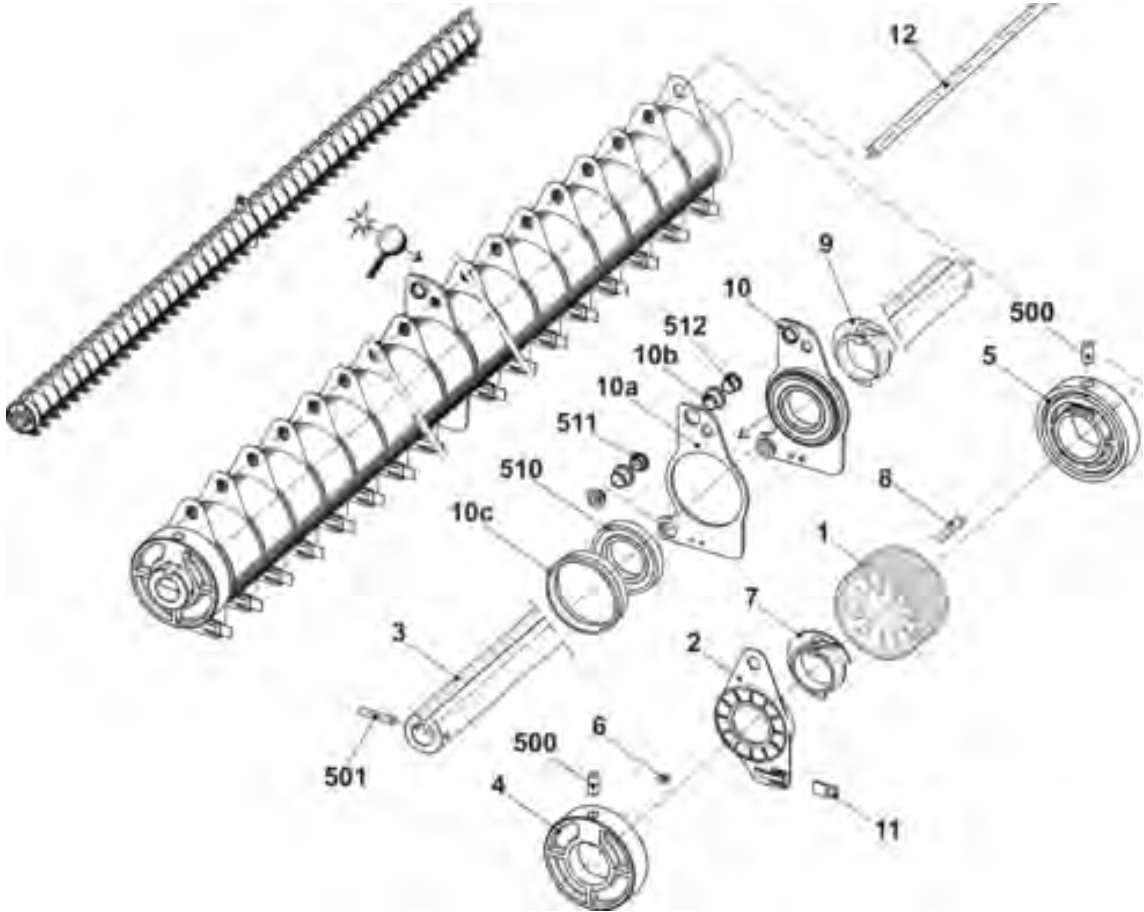
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Main take-down in the middleE5-14	255 249		509	Cap screw M8x25	020 142
4	Stripper angle at the rear complete	259 987		510	Pan-head screw M4x6	235 450
12	Motor take-down unit complete	253 803		30*	Bearing block	237 204
13	Take-down roller at the rear complete E3-14	243 810		530*	Bolts	237 211
15	Take-down roller at the front complete	253 390		531*	Setscrew M6x8	023 723
20	Connection cable winding plate	241 703		532*	Cap screw M8x20	020 136



6.4 Main take-down in the middle

6.4.1 Rear take-down roller

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Take-down roller at the rear complete E3-14	243 810				
1	Roller	206 770		10b	Bearing	232 571
2	Stripper	241 612		10c	Ring	222 895
3	Wave	237 190		9	Stop ring on the left	222 910
4	Ring on the left	255 830		11	Brush	225 819
5	Ring on the right	255 831		12	Rod	237 192
6	Spacer slide	222 062		500	Setscrew	258 910
7	Stop ring on the left	204 369		501	Dowel pin 6x32	020 685
8	Spacer slide	240 104		510	Grooved ball bearing 16007	021 697
10	Support	232 578		511	Slide bearing GFM-101216-06	023 280
10a	Supporting plate	232 512		512	Slide bearing GFM-101216-09	023 356



6.4.2 Front take-down roller

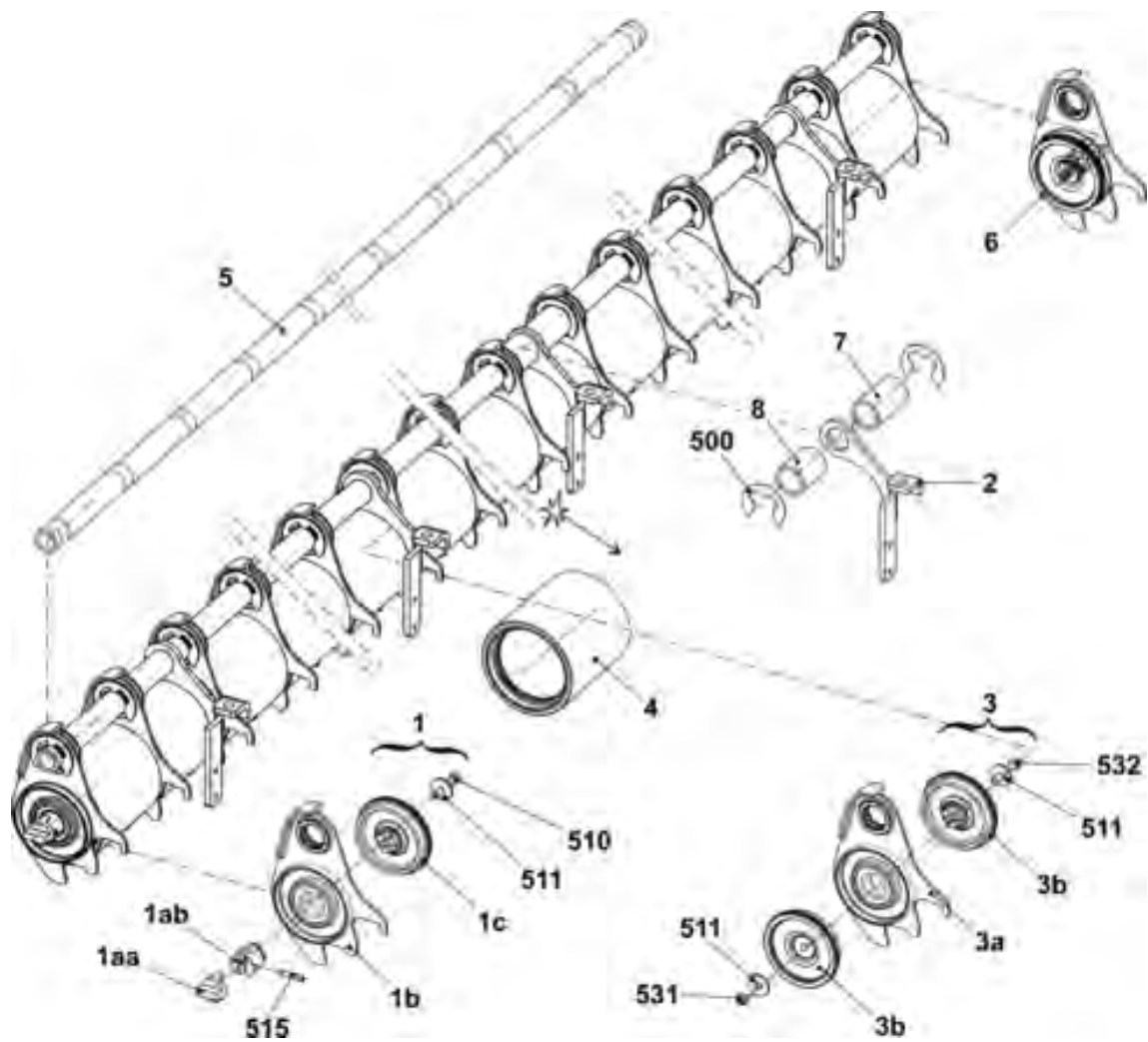
Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller at the front complete	253 390		4	Locating piece	221 935
1	Take-down roller at the front	253 423		500	Compression spring 1x10x30	023 741
2	Angle rail complete	242 316		501	Cap screw M5x12	020 132
3	Pressure sleeve	220 911		502	Washer5-200	020 880



6.4 Main take-down in the middle

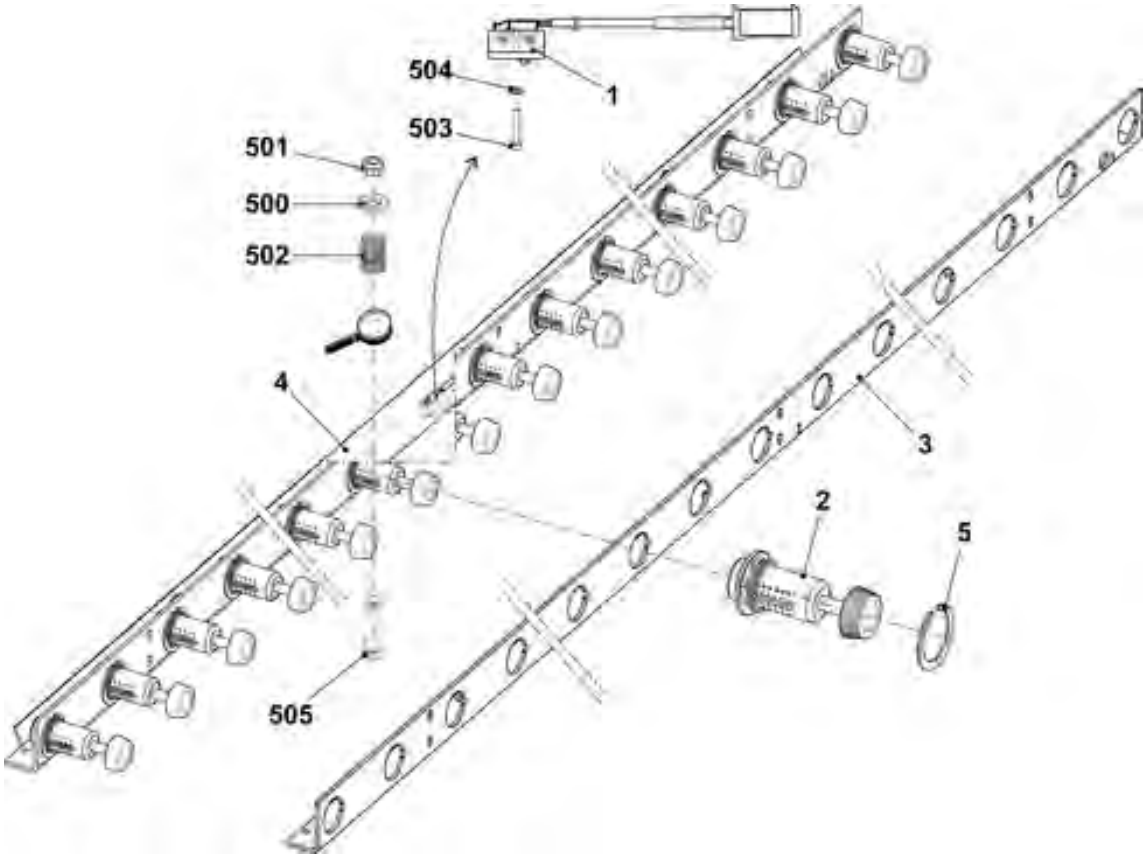
6.4.3 Front roller elements

Pos	Designation		Id. no.		Pos	Designation		Id. no.
Σ	Take-down roller at the front		253 423		4	Roller		220 905
1	Bearing support on the left complete		221 225		5	Tube		237 191
	1aa	adaptor	221 132		6	Bearing support on the right complete		221 240
	1ab	Universal joint	221 137			1aa	Universal joint	221 137
	1b	Bearing support	220 913			1ab	adaptor	221 132
	1c	Gear wheel	220 910			1b	Bearing support	220 913
	510	Cap screw M5x20	020 133			1c	Gear wheel	220 910
	511	Washer5	023 542			510	Cap screw M5x20	020 133
	515	Spring dowel sleeve 4x20	023 551			511	Washer5	023 542
				515		Spring dowel sleeve 4x20	023 551	
2	Support		251 557		7	Spacer pipe on the right		253 407
3	Bearing support complete		221 241		8	Spacer pipe on the left		253 408
	3a	Bearing support	220 913		500	Circlip		021 025
	3b	Gear wheel	220 910					
	531	Hexagon nut M5-8	023 541					
	532	Cap screw M5x30	022 396					



6.4.4 Pressure angle rail

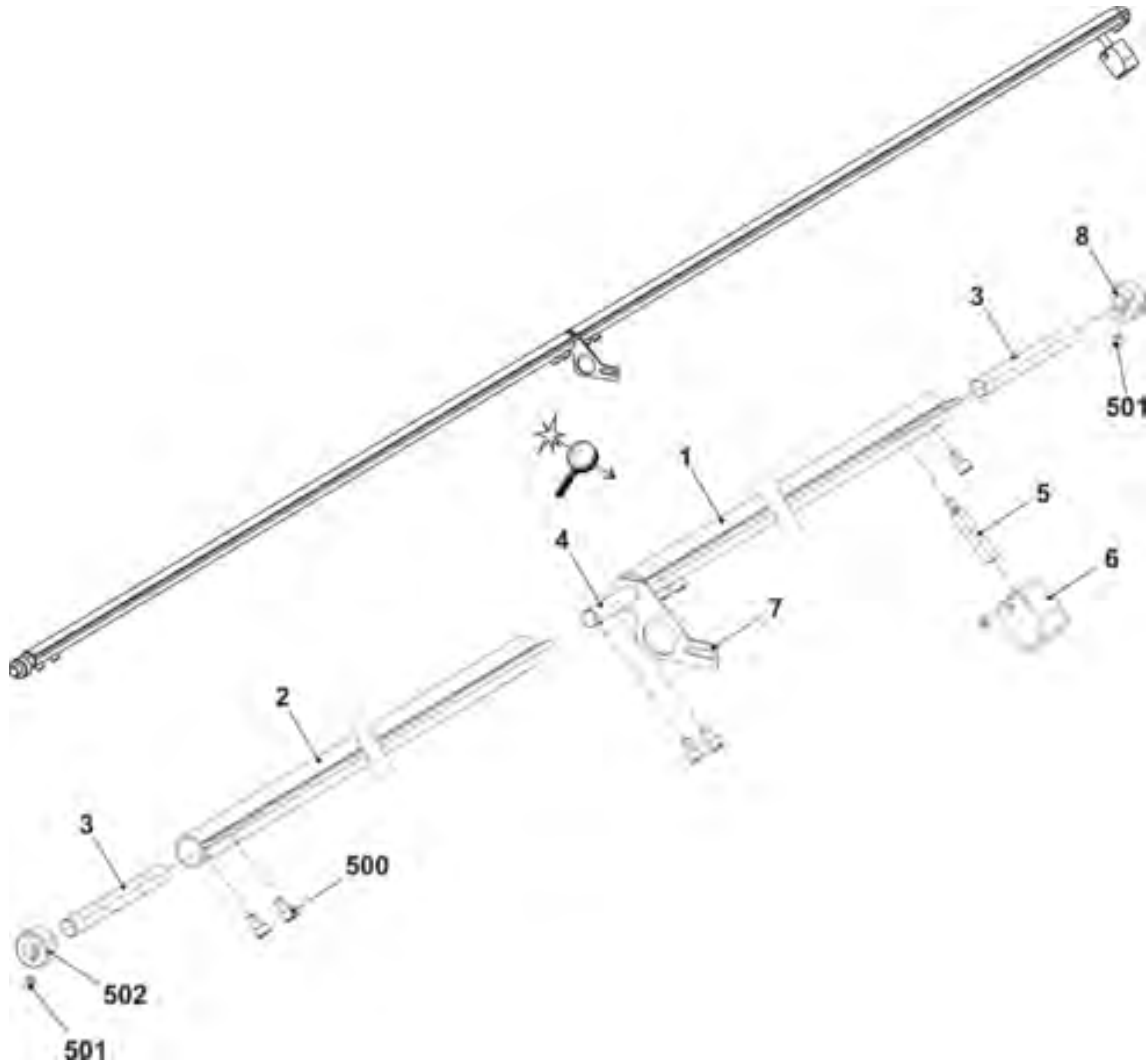
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Angle rail complete	242 316		500	Washer6	022 431
1	Switch complete with cable	221 265		501	Hexagon nut M5-8	023 541
2	Spring flange	242 327		502	Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	242 277		503	Cap screw M2x12	023 522
4	Winding plate	237 195		504	Washer2-200	022 908
5	Retaining ring	242 325		505	Shoulder screw M5x20x5	023 675



6.4 Main take-down in the middle

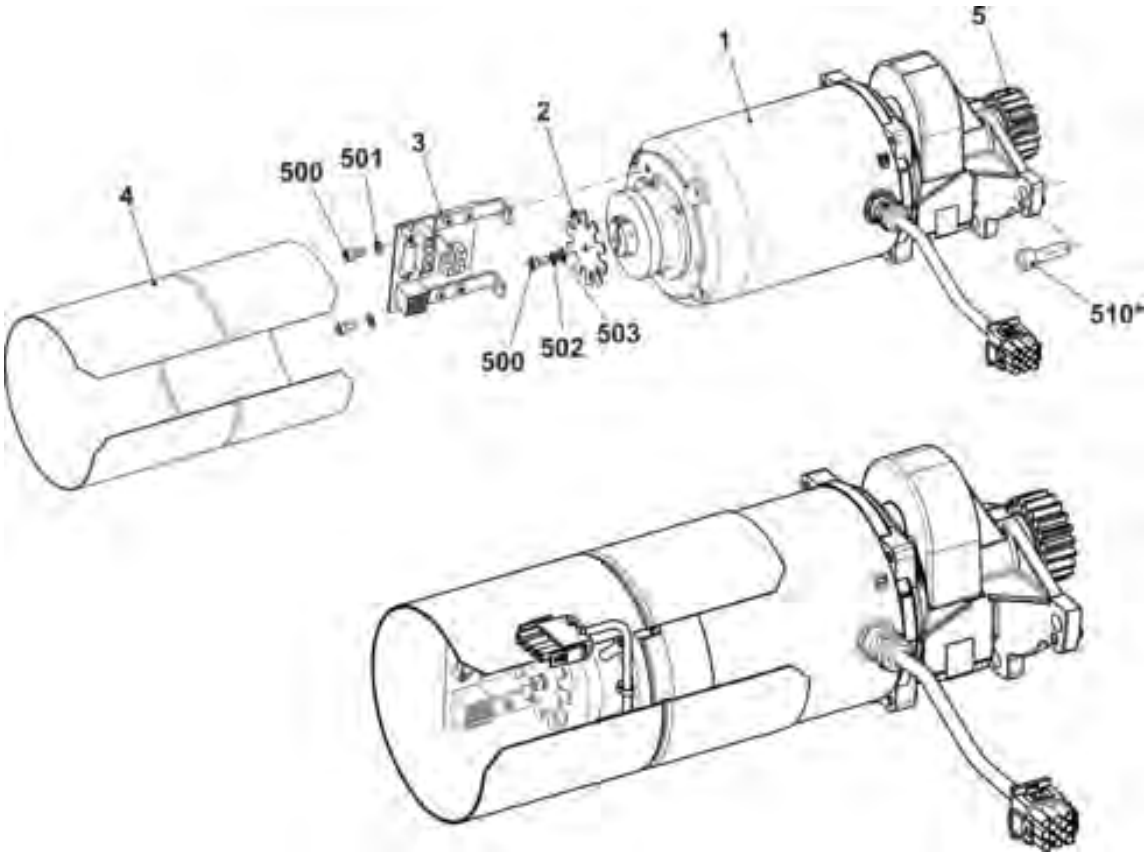
6.4.5 Stripper angle

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Stripper angle at the rear complete	259 987		6	Adjustment weight	260 426
1	Stripper angle on the right	259 976		7	Bracket	260 060
2	Stripper angle on the left	259 977		8	Cam	260 109
3	Axle	259 969		500	Cap screw M5x8	023 319
4	Axle	259 970		501	Setscrew M5x6	022 738
5	Bolts	228 310		502	Set collar	020 934



6.4.6 Impulse sensor and motor

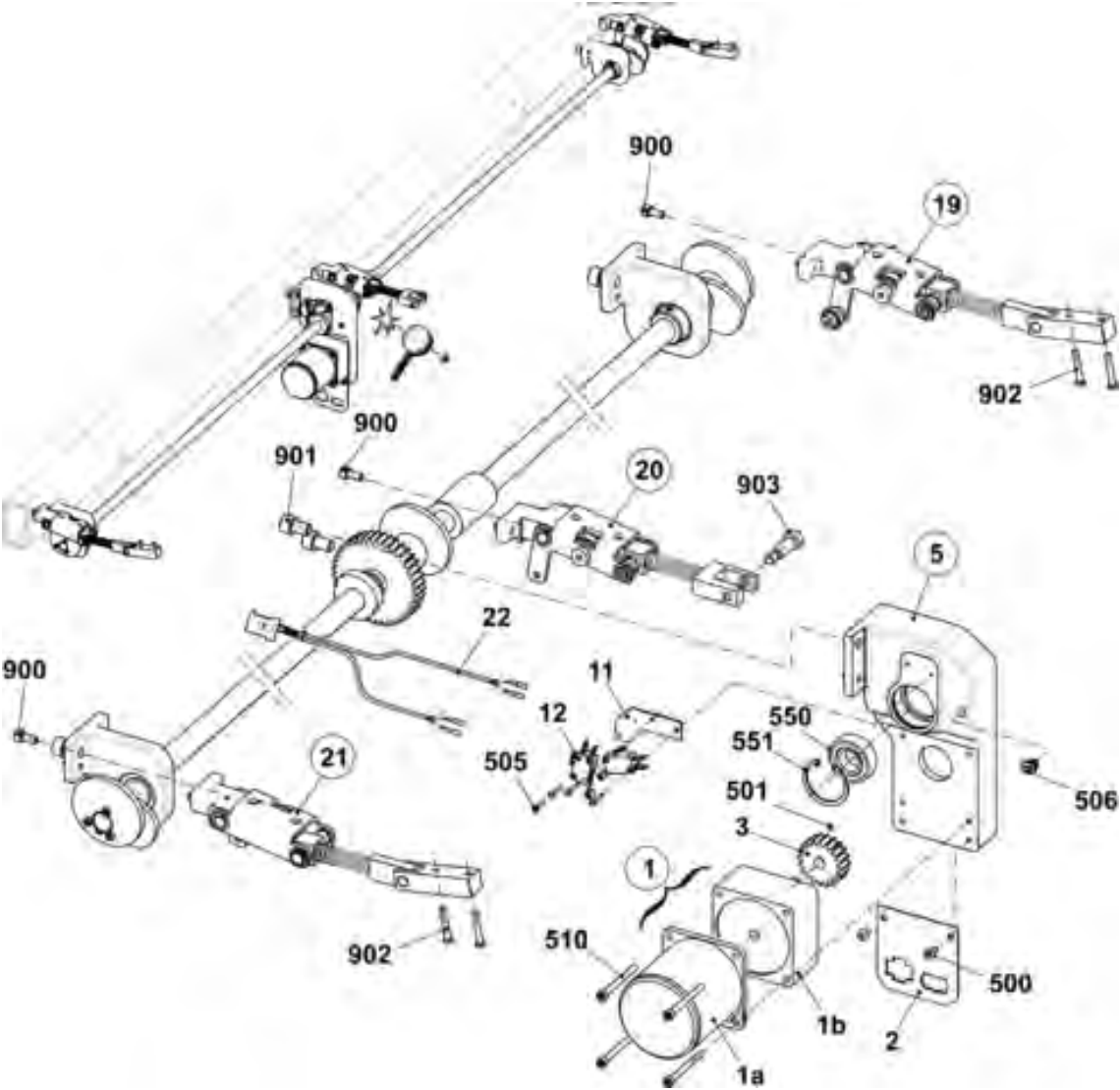
Pos	Designation	Id		Pos	Designation	Id
Σ	Motor take-down unit complete	253 803				
1	Asynchronous torque motor (complete)	257 438		500	Cap screw M4x8	022 501
2	Impulse disc	208 716		501	Washer4-200	020 879
3	Light barrier take-down + comb	300 744		502	Circlip	022 774
4	Cover	212 262		503	Shim ring 4x8x1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



6.5 Take-down closing device

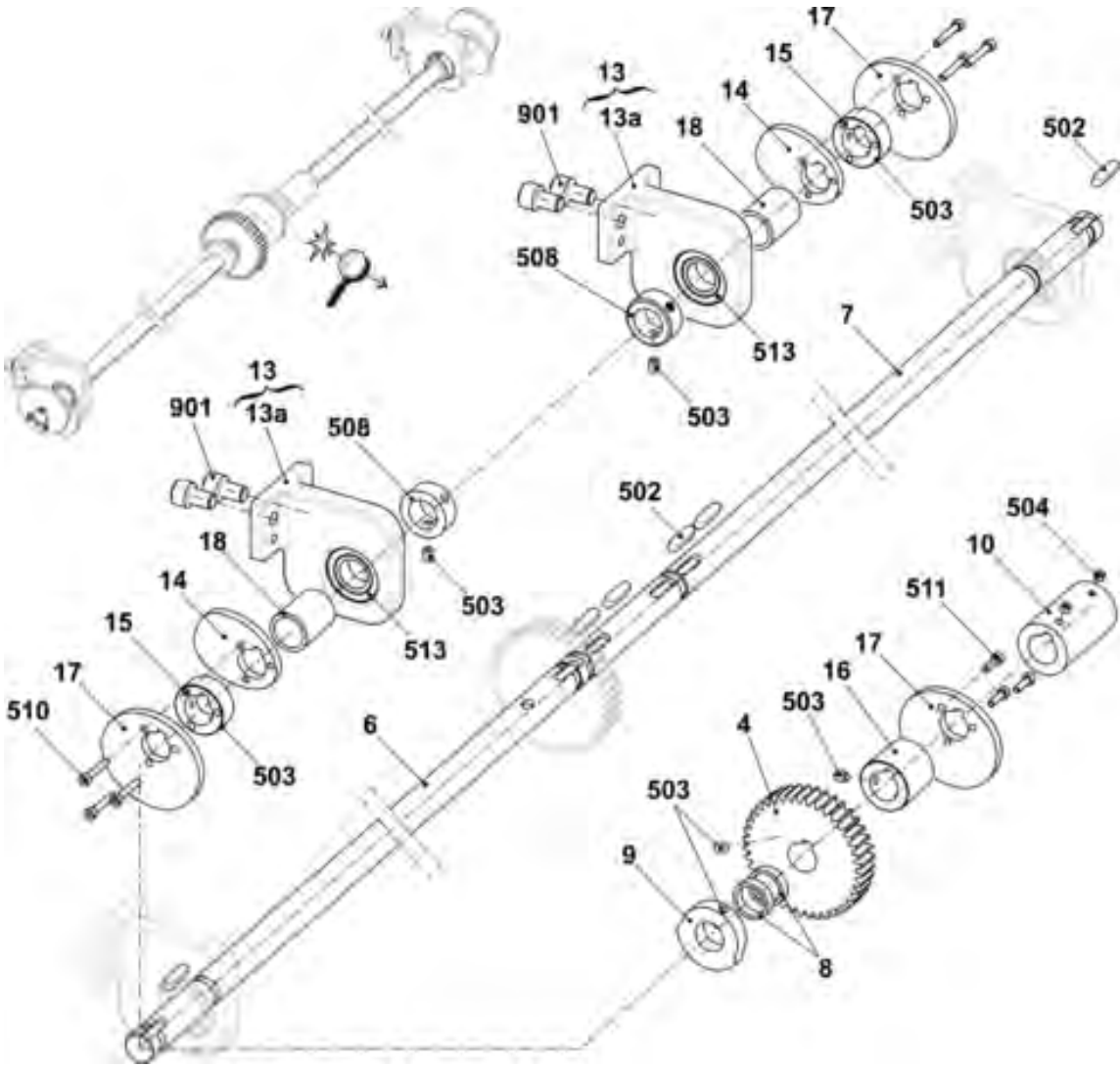
6.5 Take-down closing device

Pos	Designation		Id. no.	Pos	Designation		Id. no.
Σ	Main take-down on / off complete		253 387	19	Swivel support on the right complete		
1	Motor complete			20	Swivel holder on the left complete		
	1a	Motor 25W	232 456	21	Swivel holder in the middle complete		
	1b	Gear unit	234 983	22	Cable switch HAAB open	232 442	
	510	Cap screw M5x55	023 321	500	Cap screw M5x8	023 319	
2	Sheet metal		232 992	501	Setscrew M4x4	022 875	
3	Gear wheel		232 434	505	Cap screw M3x15	020 009	
5	Support in the middle complete			506	Assembling element	209 543	
	550	Grooved ball bearing 6004-2Z	022 720	900	Cap screw M6x14	022 658	
	551	Retaining ring 42x1,75	023 293	901	Cap screw M10x16	023 895	
11	Limit switch retaining plate		235 190	902	Screw M50x30	253 257	
12	Microswitch XGK2-S21 250 VAC		210 510	903	Cap screw M10x25	023 751	



6.6 Continuation of take-down closing device

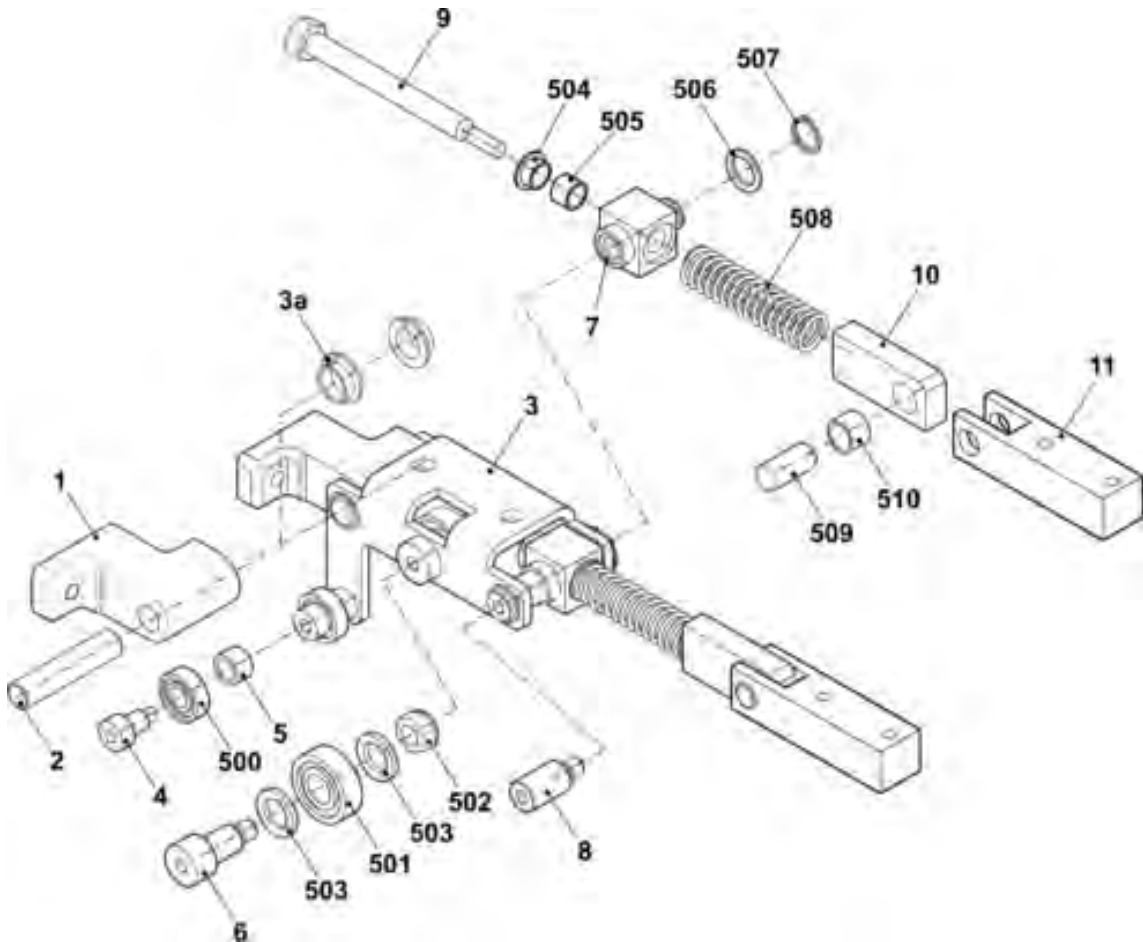
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Main take-down on / off complete	253 387	15	Guide bush	234 876
4	Gear wheel	213 744	16	Guide bush	235 623
6	Wave	237 180	17	Eccentric	232 382
7	Wave	237 181	18	Spacer pipe	235 128
8	Threaded spacer	232 385	502	Feather key A 6x6x25	023 017
9	Trip cam	232 383	503	Setscrew M6x8	023 723
10	Coupling	232 604	504	Setscrew M6x5	023 192
13	Support on the outside complete	235 248	508	Set collarA20	020 938
	13a	Support	510	Cap screw M4x25	023 302
	513	Grooved ball bearing 6004-2Z	511	Cap screw M4x14	023 604
14	Eccentric	235 135	901	Cap screw M10x16	023 895



6.6 Continuation of take-down closing device

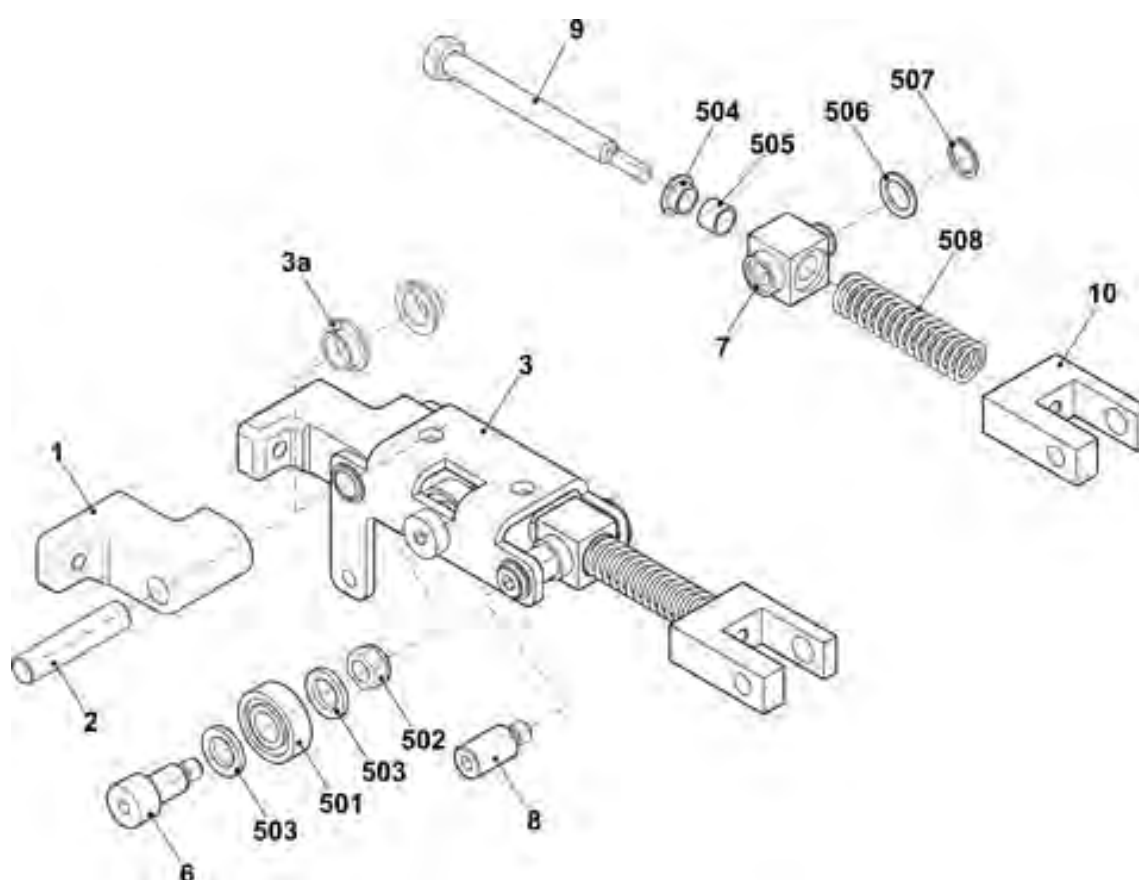
6.6.1 Right swivel support

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Swivel support on the right complete			11	Lever	253 199
1	Support	239 163		500	Grooved ball bearing 619/8-2RS	023 728
2	Bearing pin	239 164		501	Grooved ball bearing 6000-2Z	022 599
3	Bow	238 974		502	Hexagon nut M8-8	022 843
	3a	Clip bearing 11-MCM-12-04		503	Shim ring 10x16x2	023 600
4	Shoulder screw	239 133		504	Slide bearing GFM-081014-06	023 358
5	Threaded spacer	239 134		505	Slide bearing GSM-0810-10	023 896
6	Shoulder screw	239 132		506	Shim ring 12x18x1	023 315
7	Swivel-mounted bearing	239 100		507	Retaining ring 12x1	020 951
8	Bearing bolt	239 117		508	Compression spring 2,5x12,5x67,5	023 743
9	Spring mandrel on the inside	232 388		509	Dowel pin 10x20	023 616
10	Lever	238 370		510	Slide bearing GSM-1012-10	239 178



6.6.2 Swivel holder in the middle

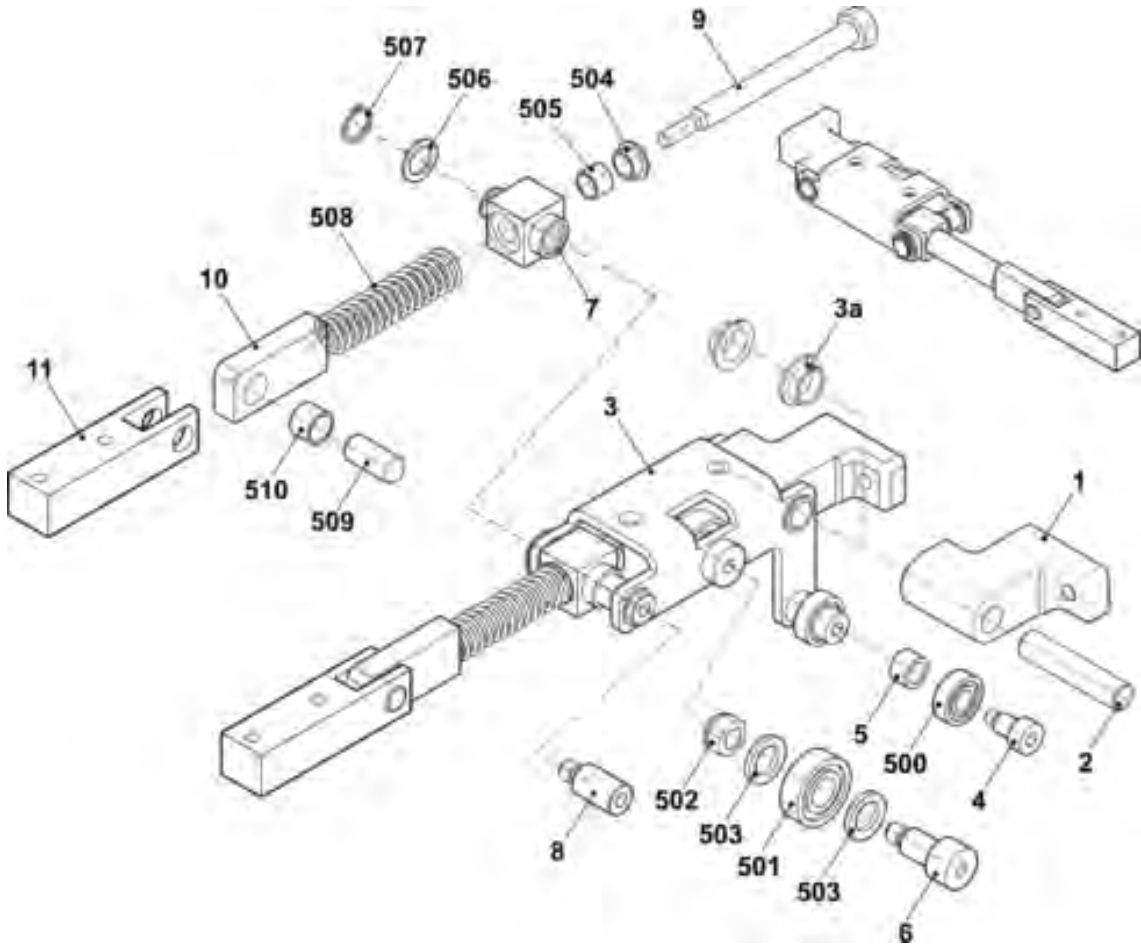
Pos	Designation		Id. no.		Pos	Designation	Id. no.
Σ	Swivel holder in the middle complete				10	Angle	238 778
1	Support		239 163		501	Grooved ball bearing 6000-2Z	022 599
2	Bearing pin		239 164		502	Hexagon nut M8-8	022 843
3	Bow		238 974		503	Shim ring 10x16x2	023 600
	3a	Clip bearing 11-MCM-12-04	023 639		504	Slide bearing GFM-081014-06	023 358
6	Shoulder screw		239 132		505	Slide bearing GSM-0810-10	023 896
7	Swivel-mounted bearing		239 100		506	Shim ring 12x18x1	023 315
8	Bearing bolt		239 117		507	Retaining ring12x1	020 951
9	Spring mandrel on the inside		232 388		508	Compression spring 2,5x12,5x67,5	023 743



6.6 Continuation of take-down closing device

6.6.3 Left swivel holder

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Swivel holder on the left complete			11	Lever	253 199
1	Support	239 163		500	Grooved ball bearing 619/8-2RS	023 728
2	Bearing pin	239 164		501	Grooved ball bearing 6000-2Z	022 599
3	Bow on the left	239 184		502	Hexagon nut M8-8	022 843
	3a	Clip bearing 11-MCM-12-04		503	Shim ring 10x16x2	023 600
4	Shoulder screw	239 133		504	Slide bearing GFM-081014-06	023 358
5	Threaded spacer	239 134		505	Slide bearing GSM-0810-10	023 896
6	Shoulder screw	239 132		506	Shim ring 12x18x1	023 315
7	Swivel-mounted bearing	239 100		507	Retaining ring12x1	020 951
8	Bearing bolt	239 117		508	Compression spring 2,5x12,5x67,5	023 743
9	Spring mandrel on the inside	232 388		509	Dowel pin 10x20	023 616
10	Lever	238 370		510	Slide bearing GSM-1012-10	239 178

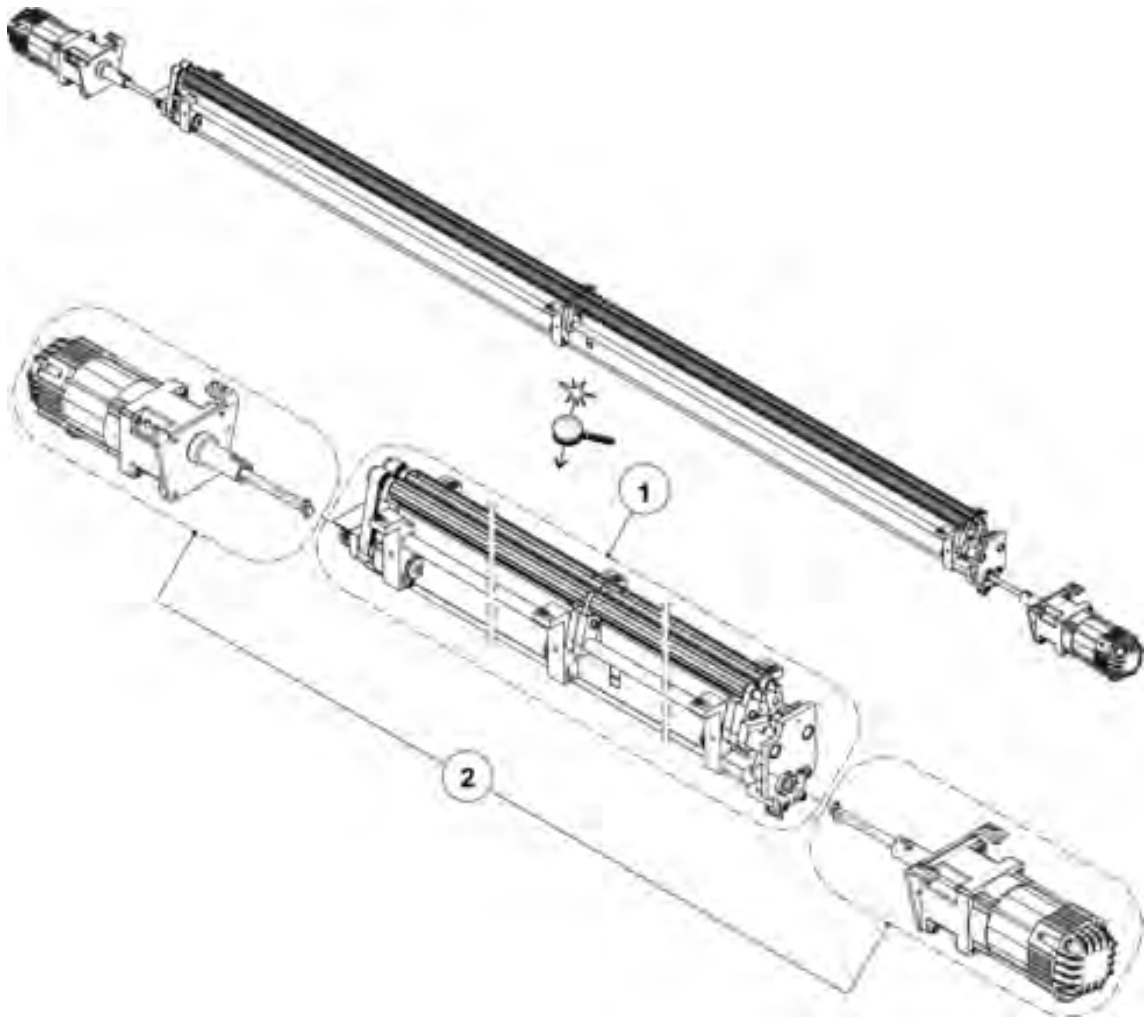


7 Auxiliary take-down



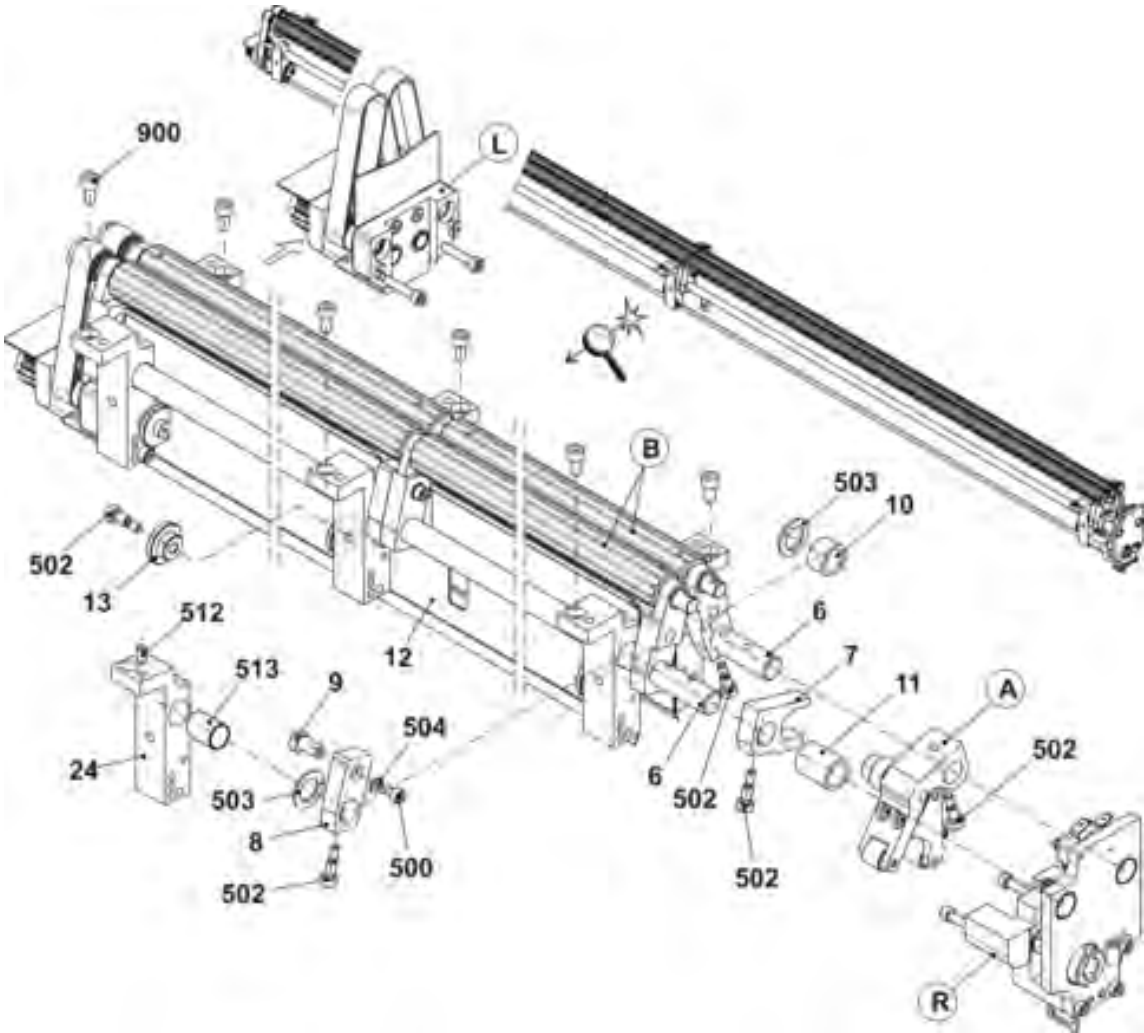
7.1 Auxiliary Take-down Values

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Auxiliary take-down					
1	Auxiliary take-down pre-assembled	254 974		2	Motor with 2 phases auxiliary take-down complete	235 602



7.1.1 Auxiliary take-down pre-assembled

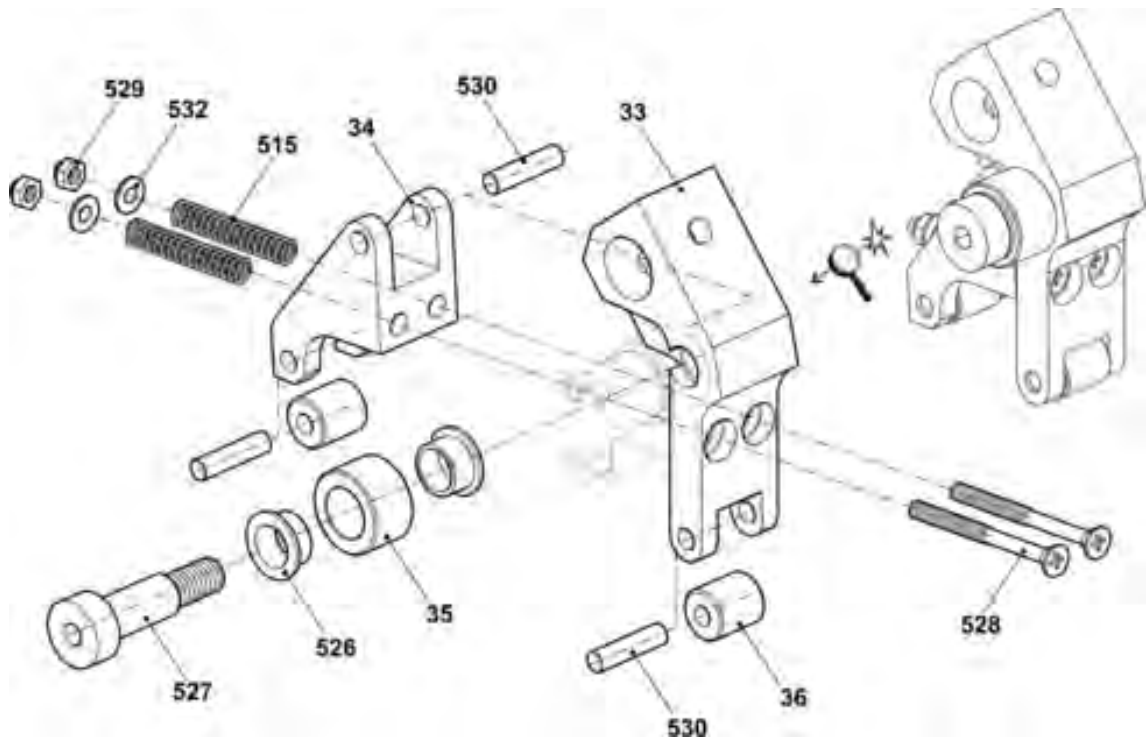
Pos	Designation	Id		Pos	Designation	Id
Σ	Auxiliary take-down pre-assembled	254 974				
6	Contact shaft	237 126		B	Take-down roller	237 128
7	Lever	235 164		L	Bearing on the left	236 894
8	Clamping lever	235 156		R	Bearing on the right	235 353
9	Eccentric	236 952		500	Cap screw M5x10	022 918
10	Spacer pipe	235 189		502	Cap screw 6x10	235 448
11	Spacer pipe	235 192		503	Stop disk GTM-1524-015	235 447
12	Cover plate	237 127		504	Disk5	020 871
13	Roll	235 178		512	Dowel pin 6x10	023 268
24	Support	235 150		513	Slide bearing FSM-1517-20	237 060
A	Contact lever	235 356		900	Cap screw M6x12	020 134



7.1 Auxiliary Take-down Values

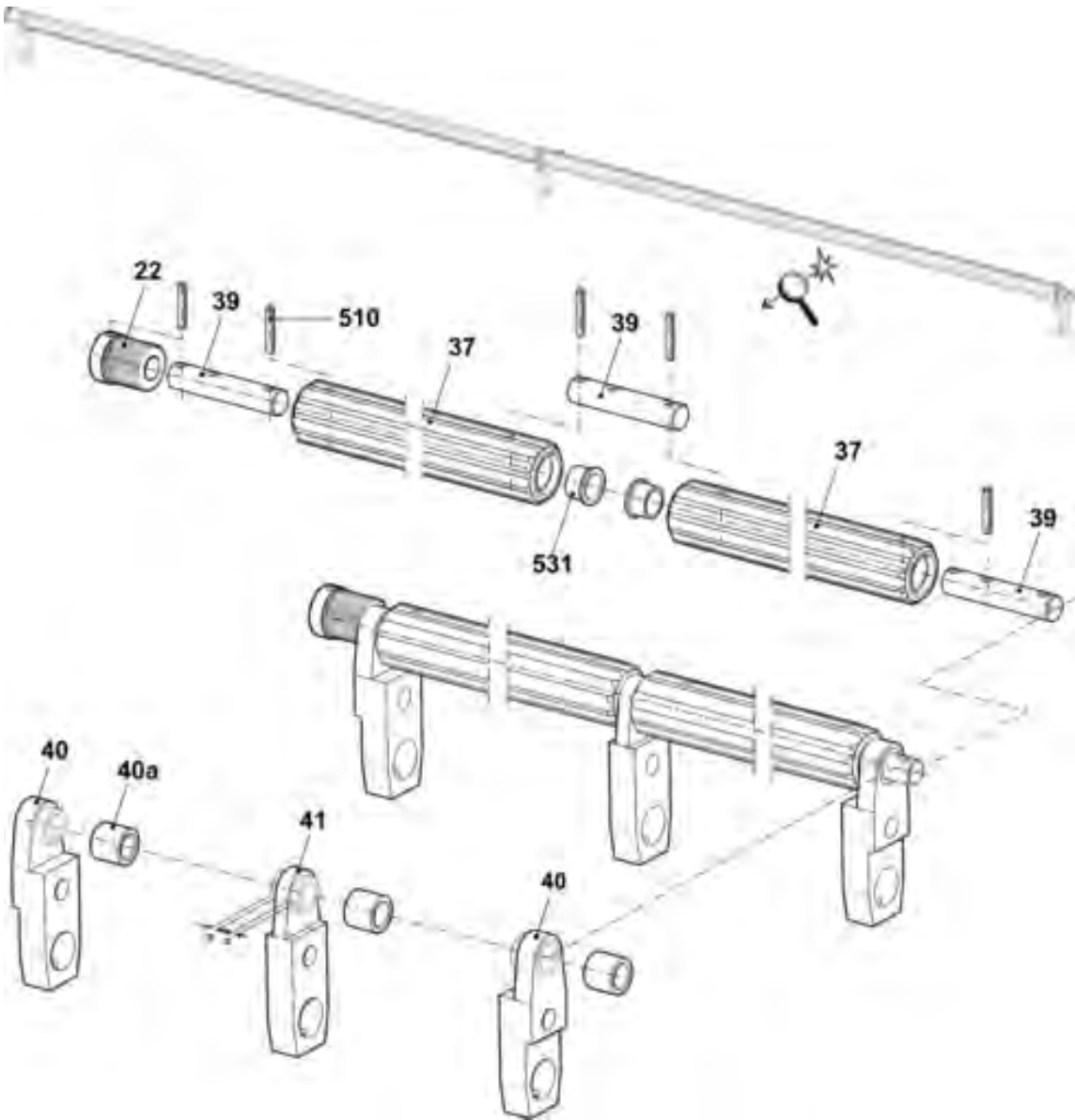
7.1.1.1 Contact lever

Pos	Designation	Id		Pos	Designation	Id
Σ	Contact lever	235 356		526	Slide bearing GFM-10x1216-06	023 280
33	Lever	235 172		527	Cap screw M10x16	023 748
34	Tilting lever	235 173		528	Countersunk screw M4x45	023 291
35	Roller	235 176		529	Hexagon nut M4-8	023 046
36	Roll	235 171		530	Dowel pin 5x22-A-ST	023 716
515	Compression spring 1,6x6,4x27,1	023 288		532	Washer4	020 870



7.1.1.2 Take-down roller

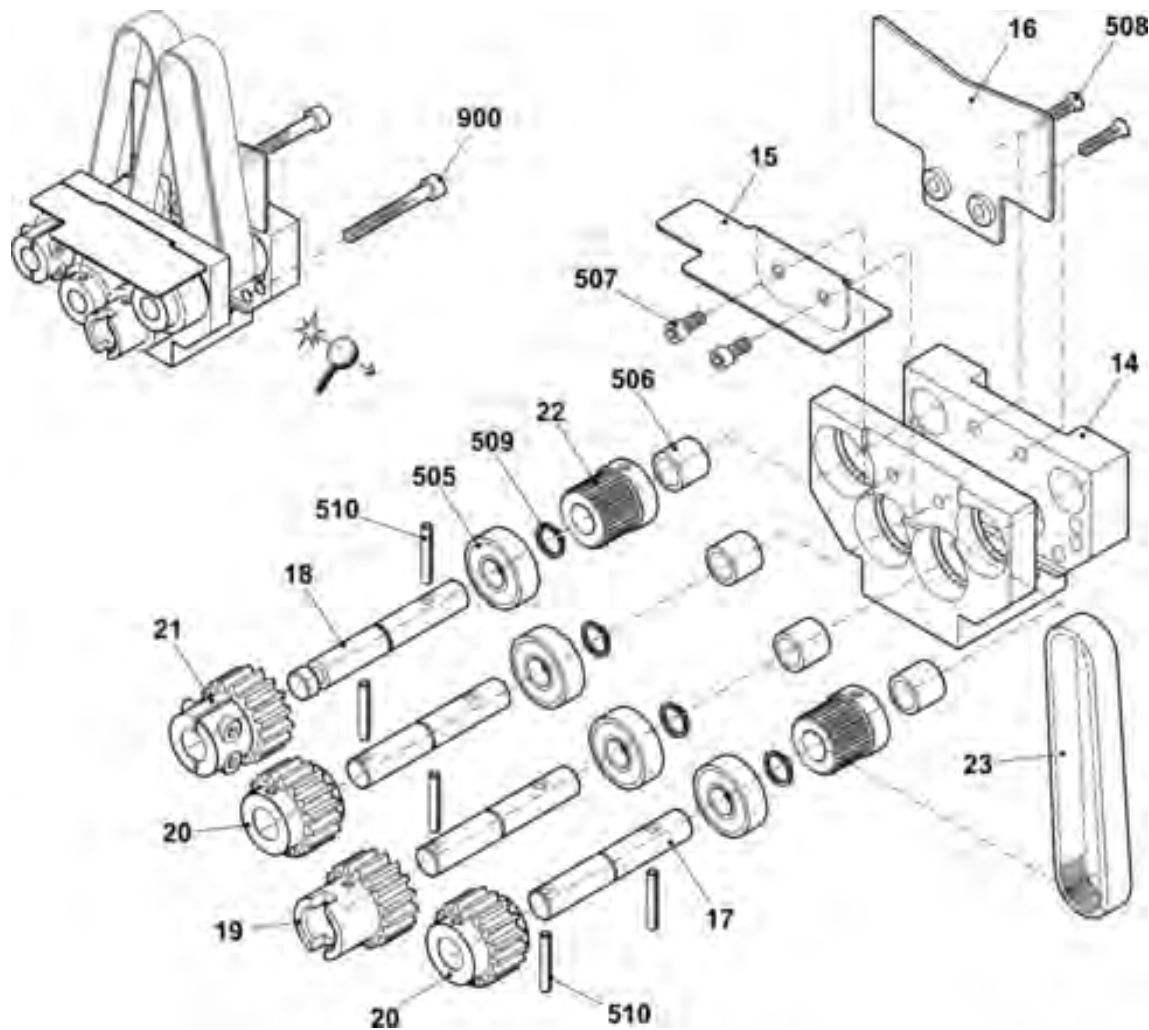
Pos	Designation	Id. no.		Pos	Designation	Id. no.	
Σ	Take-down roller	237 128					
22	Timing belt pulley	237 043			40a	Needle roller bearing 10x14x12	023 665
37	Take-down roller	237 125		41	Lever bearing in the middle complete		235 359
39	Bolts	236 973		531	Slide bearing GFM-101214-07		023 627
40	Lever bearing right/left complete	235 358		510	Spring dowel sleeve 3x18		237 059



7.1 Auxiliary Take-down Values

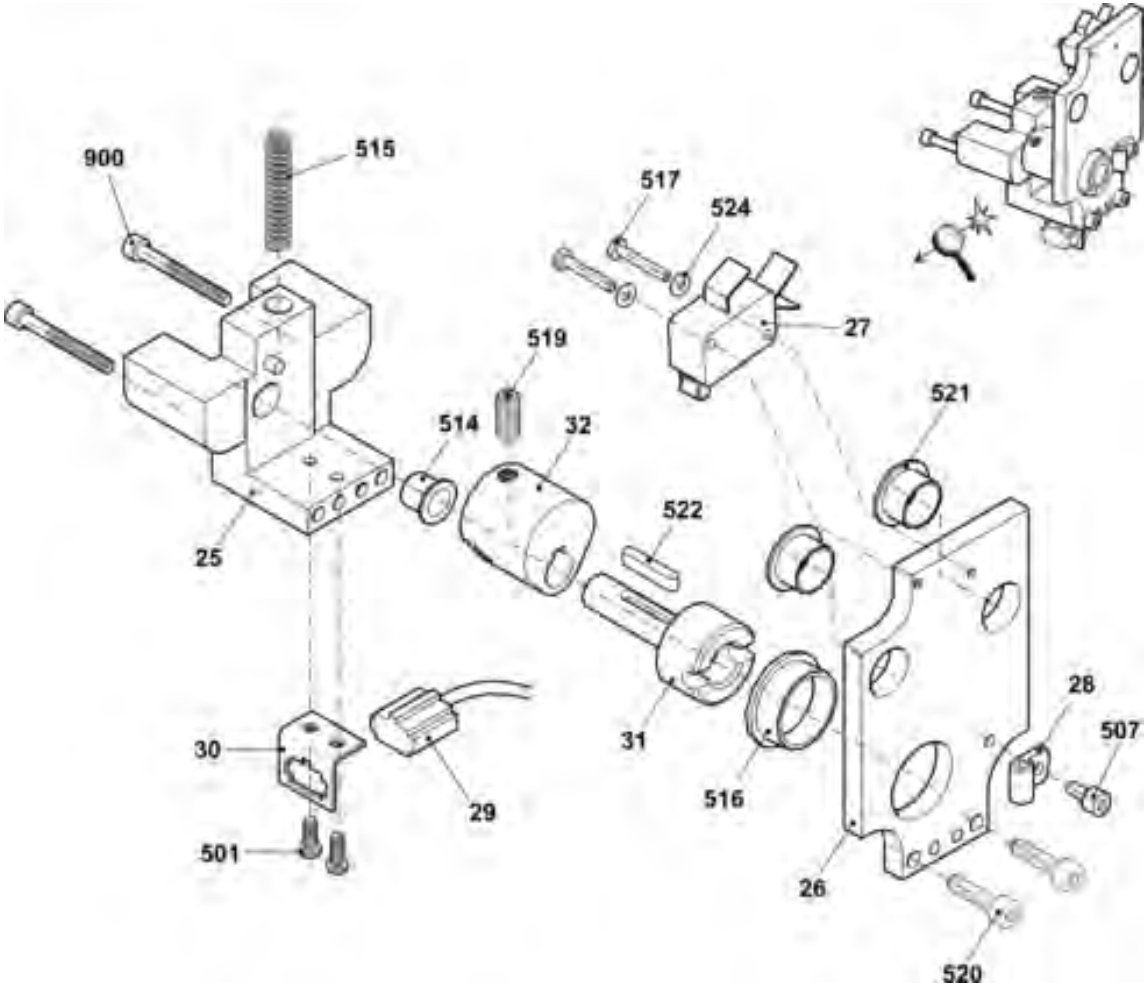
7.1.1.3 Left bearing of the auxiliary take-down

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Bearing on the left	236 894		22	Timing belt pulley	237 043
14	Drive bearing	237 422		23	Toothed beltHPS5M NG CLEAN	237 118
15	Cover plate	236 970		505	Grooved ball bearing 61900-2RS1	023 714
16	Cover plate	237 037		506	Needle roller bearing 10x14x10	023 664
17	Bolts	236 964		507	Cap screw M4x8	022 501
18	Bolts	236 963		508	Countersunk screw M4x12	023 062
19	Gear wheel	236 914		509	Retaining ring10x1	020 950
20	Gear wheel	236 916		510	Spring dowel sleeve 3x18	237 059
21	Gear wheel	236 917		900	Cap screw M5x35	022 879



7.1.1.4 Right bearing of the auxiliary take-down

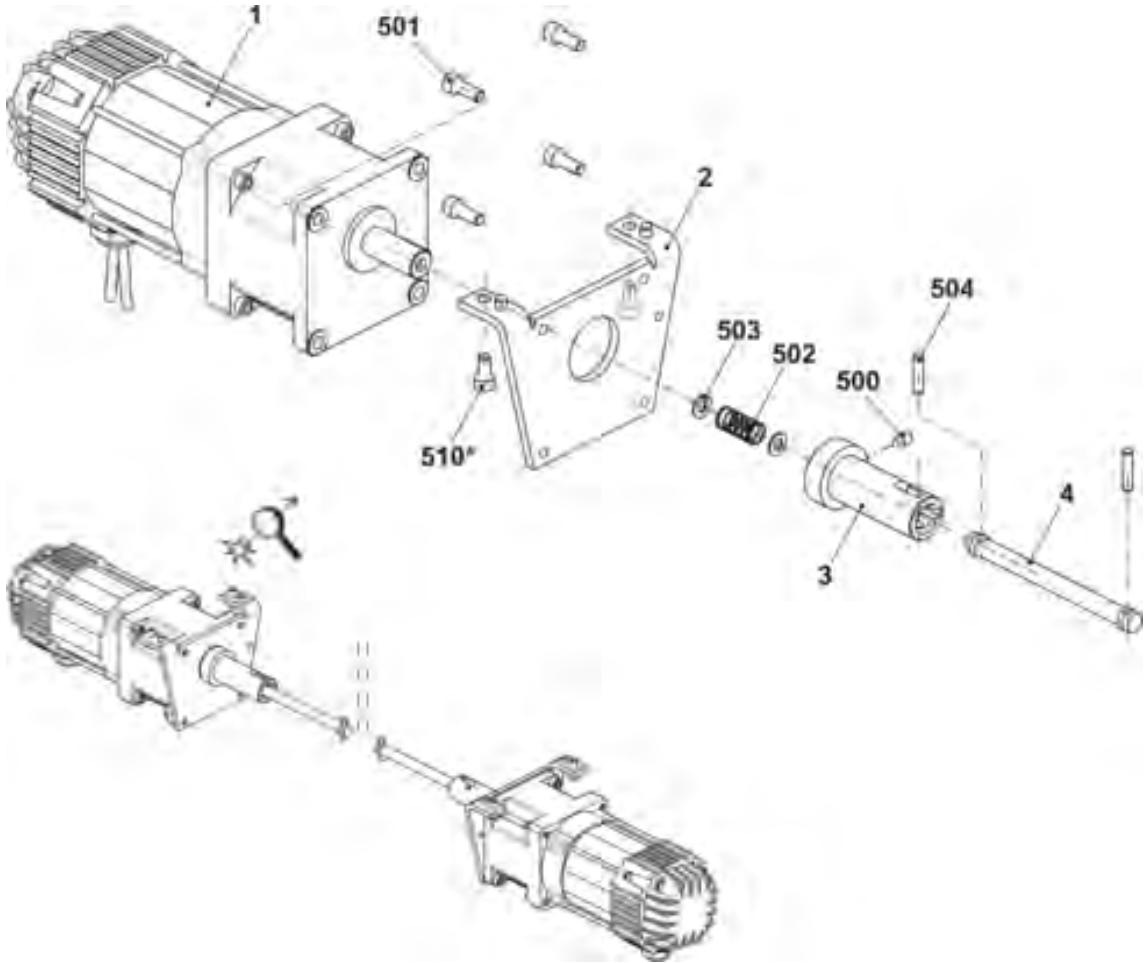
Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right	235 353			
25	Bearing on the right	237 520	514	Slide bearing GFM-101216-09	023 356
26	Plate	235 168	515	Compression spring 1,6x6,4x27,1	023 288
27	Microswitch	026 259	516	Slide bearing GFM-2427-07	023 712
28	Cable clip N-3B 5mm	210 729	517	Hexagon screw M3x16	237 058
29	Cable switch HIAB St468	235 027	519	Setscrew M6x12	023 724
30	Sheet metal for plug	236 068	520	Cap screw M5x16	022 726
31	Wave	235 159	521	Slide bearing GFM-1517-09	235 342
32	Eccentric	235 165	522	Feather key A 4x4x20	235 349
501	Pan-head screw M4x8	023 579	524	Washer3	020 877
507	Cap screw M4x8	022 501	900	Cap screw M5x35	022 879



7.1 Auxiliary Take-down Values

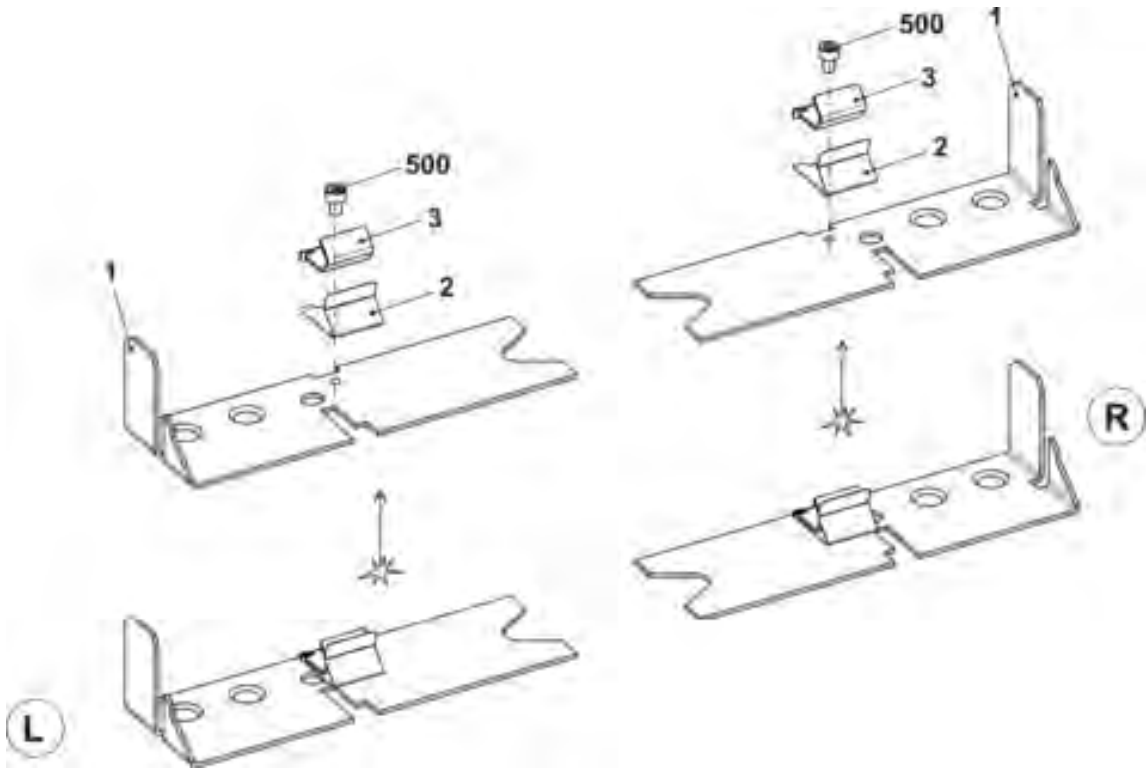
7.1.2 Motor

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Motor with 2 phases auxiliary take-down complete					
1	Motor 1,8NM 30MIN-1	234 805		511	Setscrew M6x10	023 543
2	Motor bracket	235 276		512	Cap screw M6x16	020 135
3	Drive sleeve	235 285		513	Compression spring 0,63x10,97x40	023 500
4	Wave	235 300		514	Shim ring 6x12x1	023 444
510	Cap screw M6x12	020 134		515	Dowel pin 5x22-A-ST	023 716



7.2 Yarn brake at clamping and cutting bed

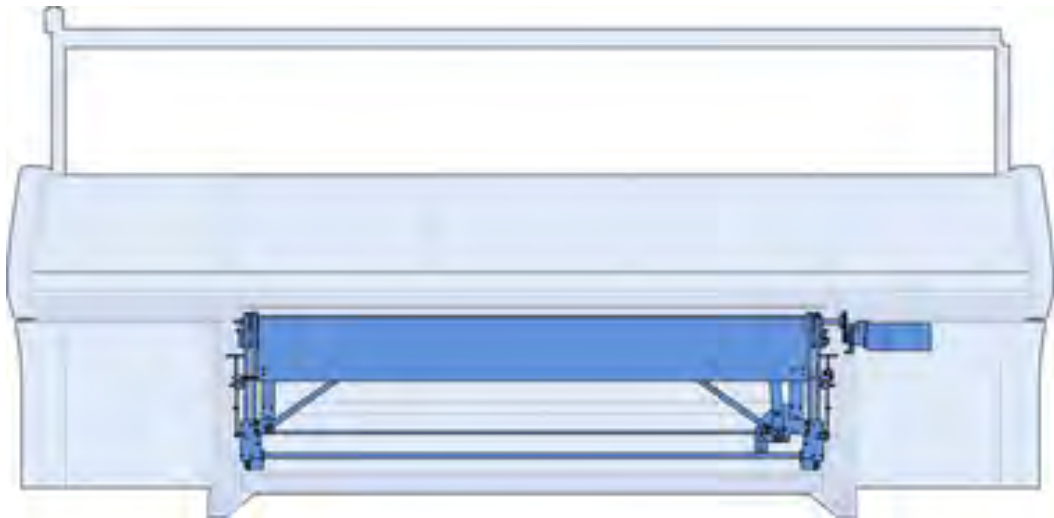
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ L	Yarn brake on the left	257 794		Σ R	Yarn brake on the right	257 793
1	Cover on the left	257 792		3	Cover on the right	257 791
2	Leaf spring	256 712		1	Leaf spring	256 712
3	Test clamping plate	256 713		2	Test clamping plate	256 713
500	Cap screw M4x6	023 067		500	Cap screw M4x6	023 067



7.2 Yarn brake at clamping and cutting bed

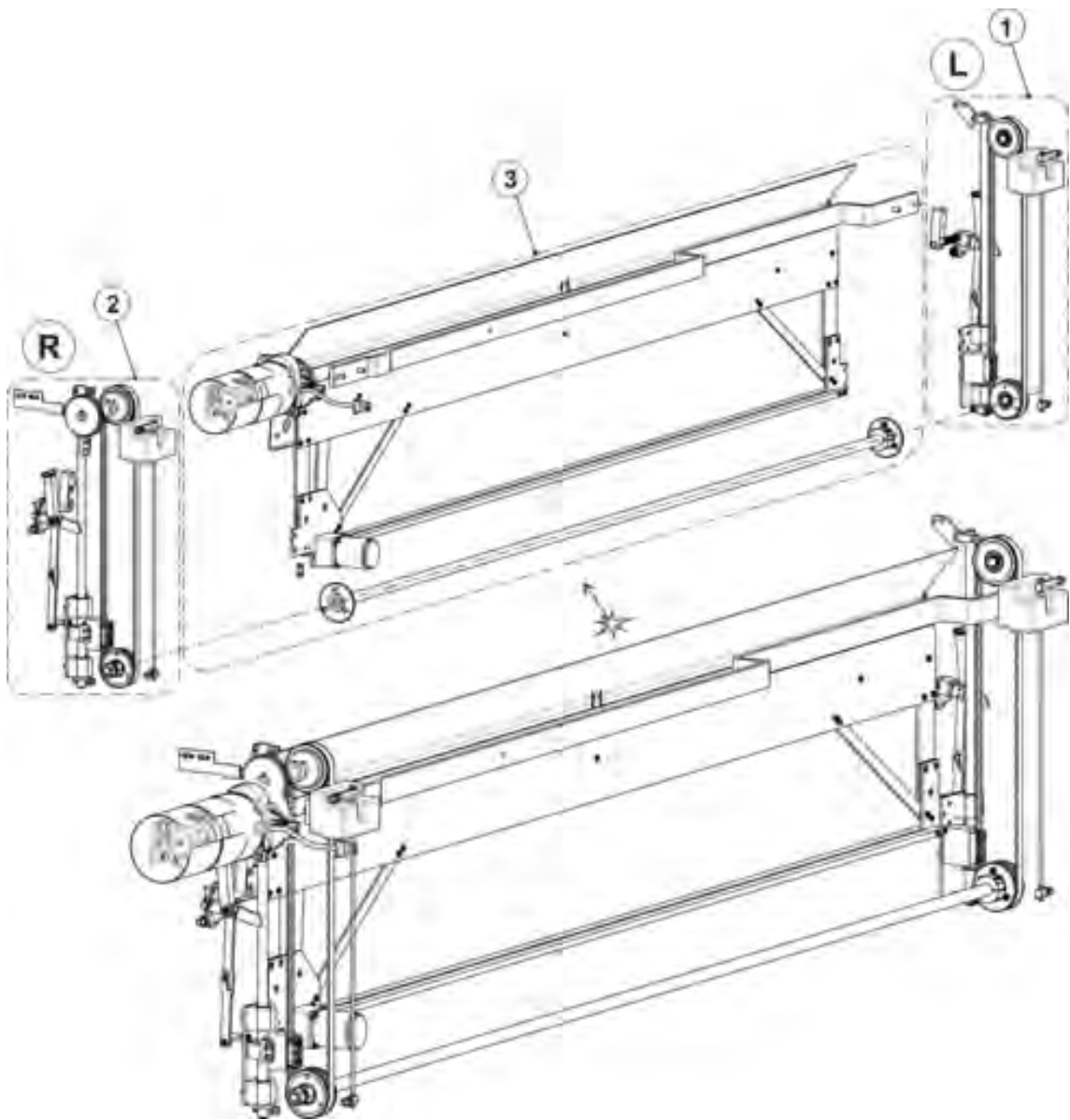
Notes:

8 Comb take-down



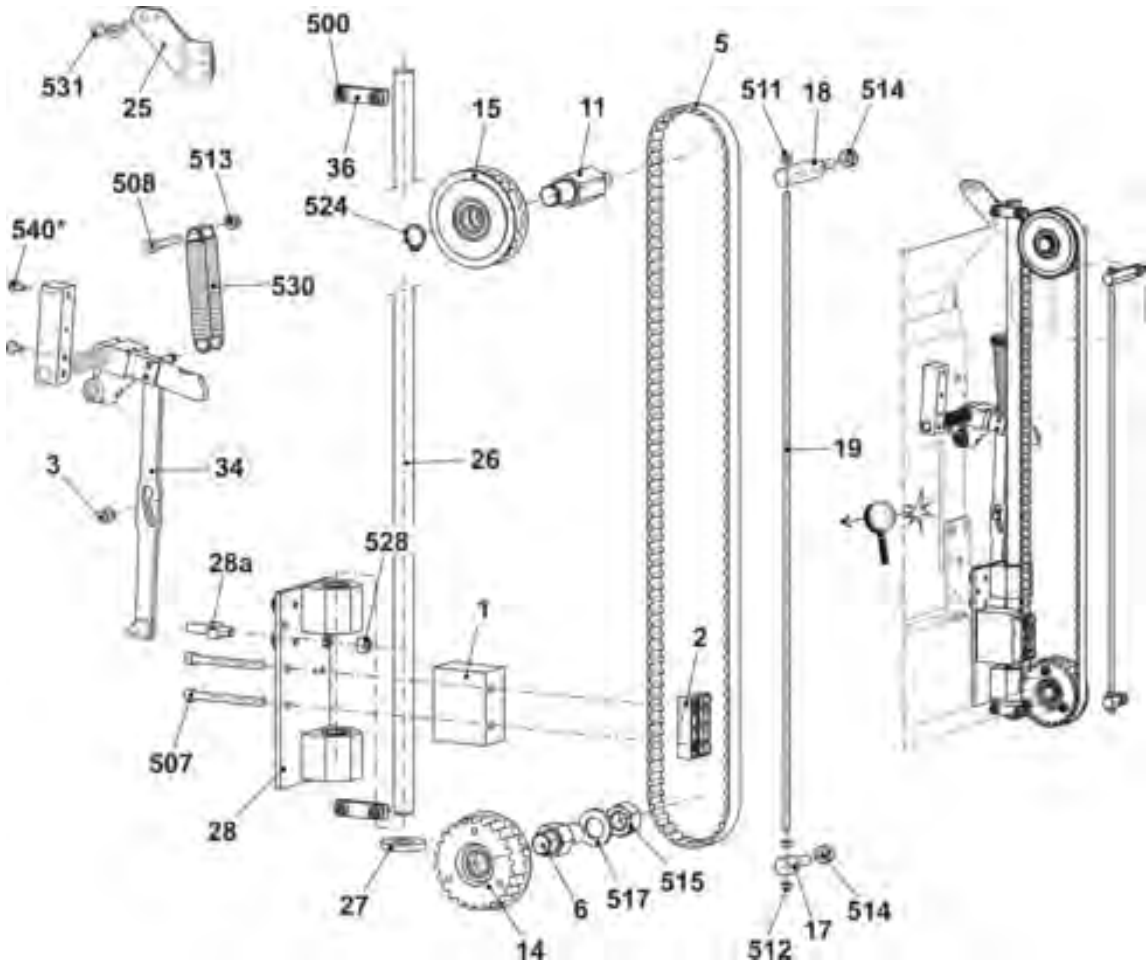
8.1 Comb take-down

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Comb take-down			3	Comb take-down in the middle	
1	Comb take-down on the left	256 838			E5 E5m.4 E2,5.2	255 268
2	Comb take-down on the right	256 839			E7 E7m.5 E7m.8 E3,5.2	255 269
					E8 E8m.7	255 270
					E5.2	255 271



8.1.1 Comb take-down on the left

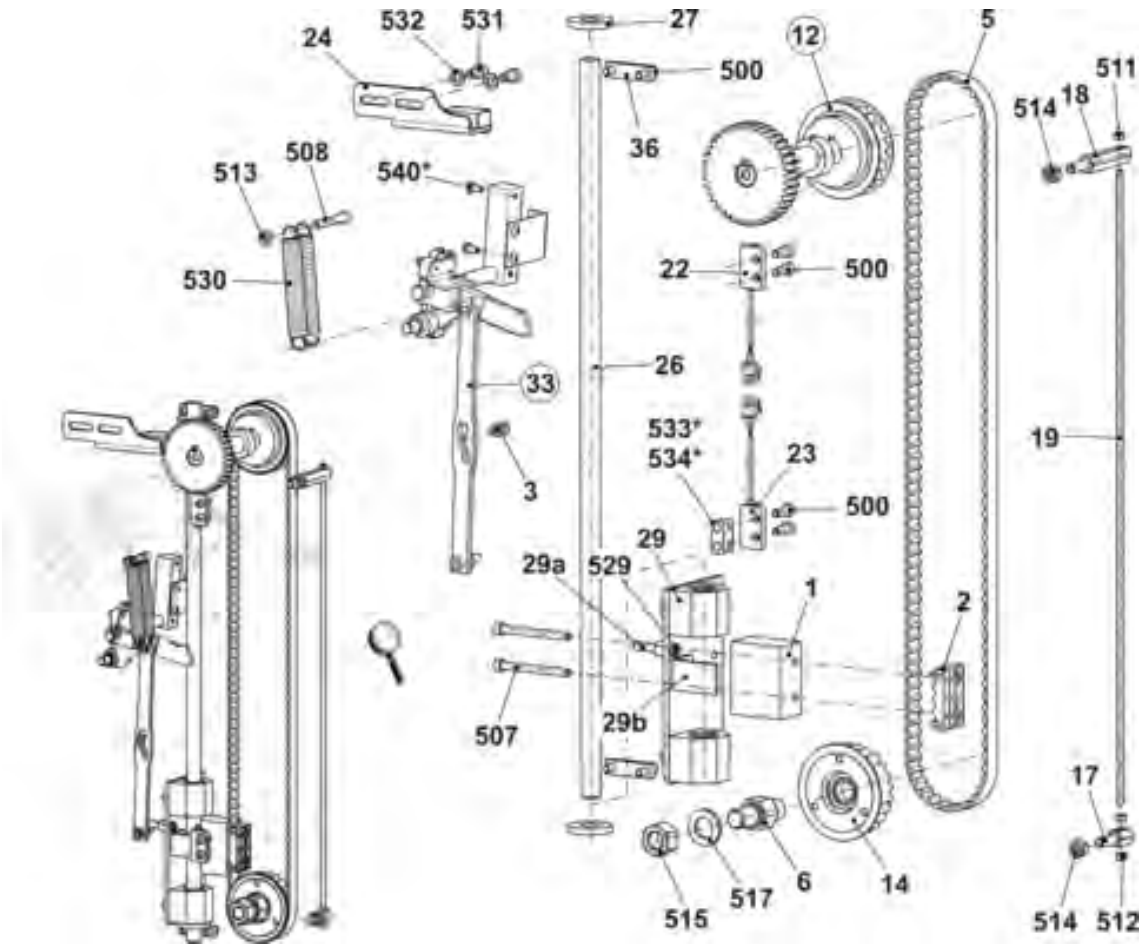
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Comb take-down on the left	261 815			
1	Clamping piece	209 379		528 Hexagon nut M8-6	020 838
2	Pressure plate	241 967	34	Swivel lever on the left	252 859
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt16T10/1300	240 065	500	Cap screw M6x16	020 135
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	261 374	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



8.1 Comb take-down

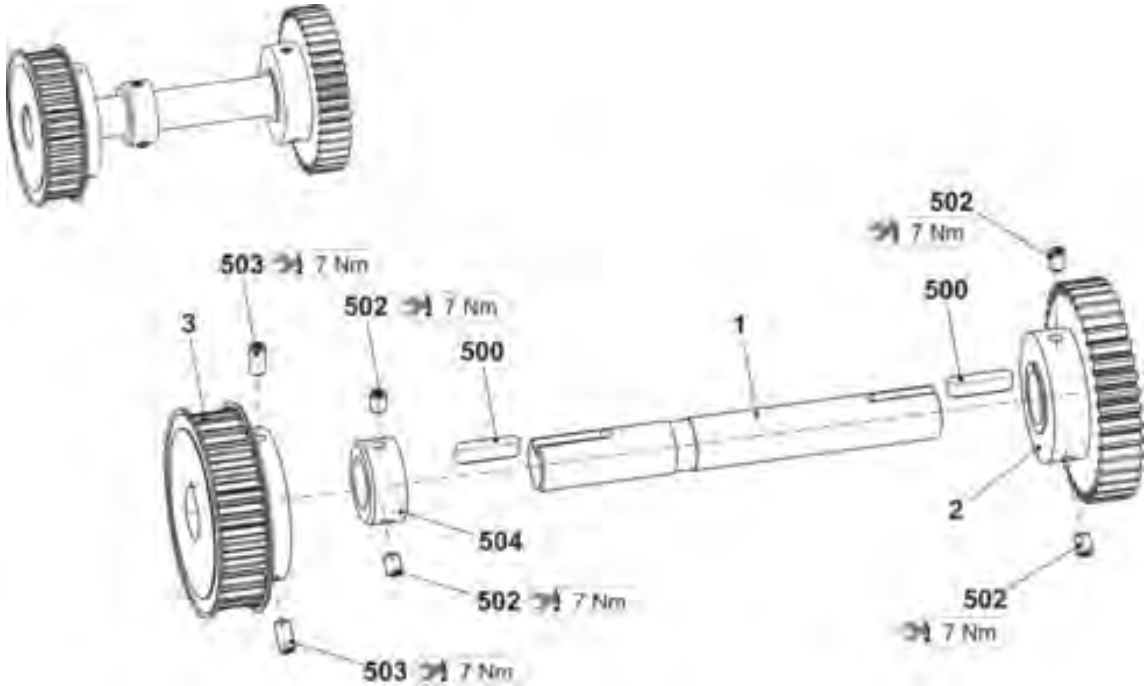
8.1.2 Comb take-down on the right

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Comb take-down on the right	256 839				
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 belt16T10/1300	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	Washer16	020 876
24	Holding angle light barrier	257 409		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	Washer6	020 872
29	Comb guide on the right	255 424		533*	Shim0,2x12x27	023 735
29a	Driving bolt	255 427		534*	Shim0,5x12x27	023 736
29b	Angle	240 112		540*	Pan head screw M5x10	023 247



8.1.2.1 Drive shaft of comb

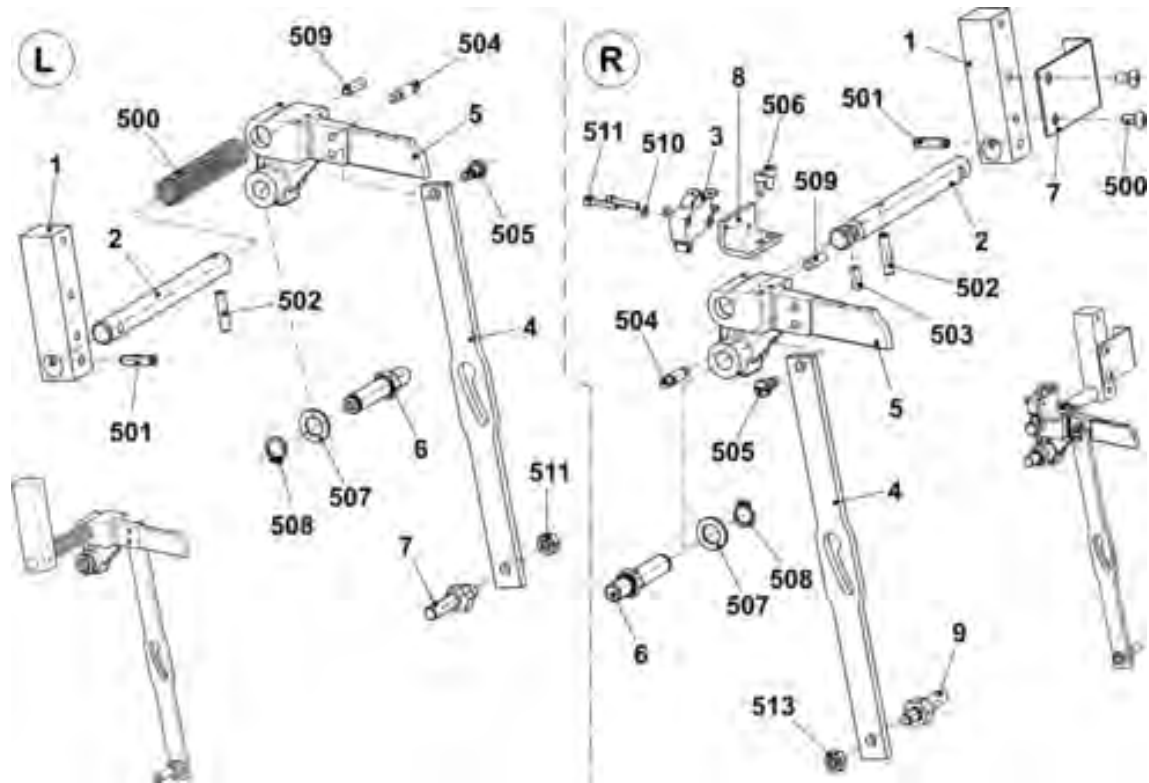
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive shaft comb complete	214 583				
1	Wave	213 969		500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744		502	Setscrew M6x8	022 684
	Always order position 502 additionally			503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394		504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



8.1 Comb take-down

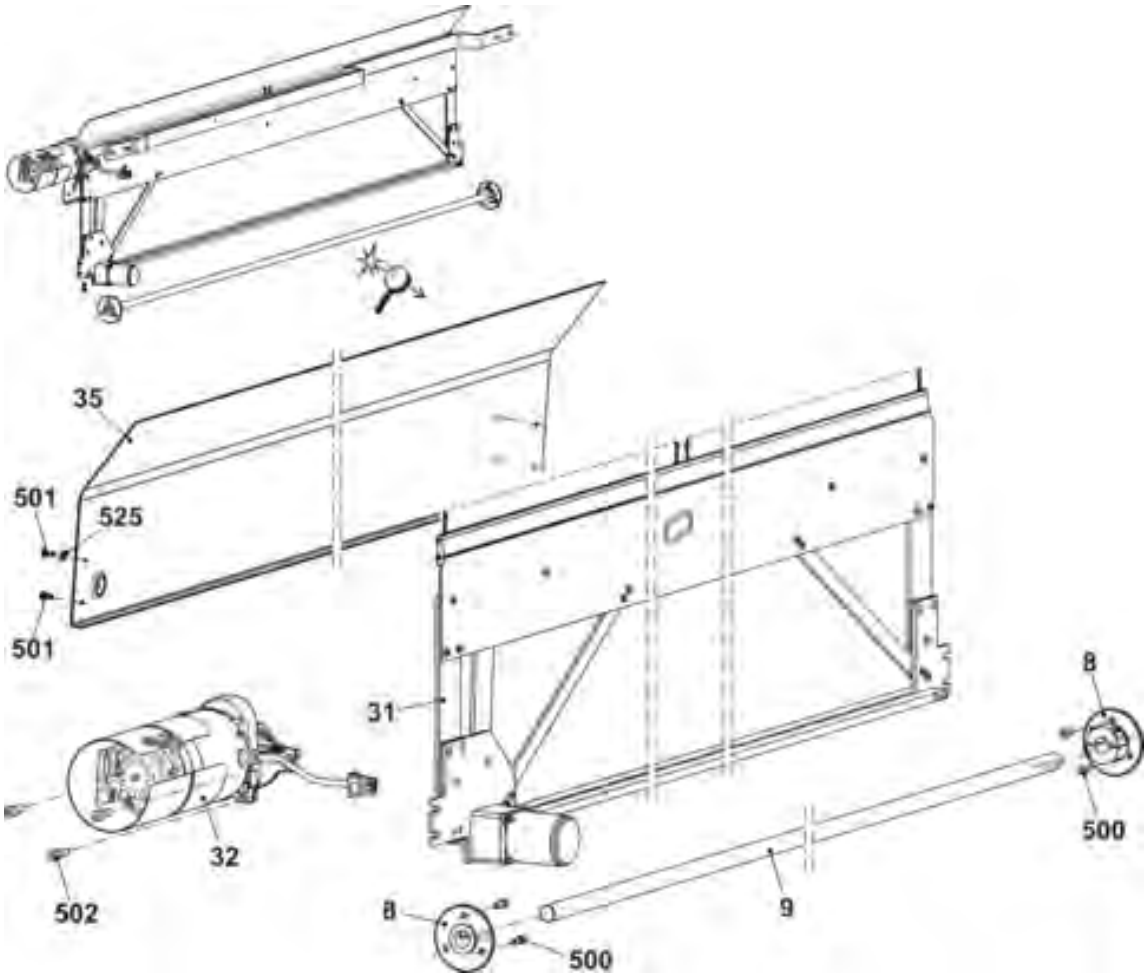
8.1.2.2 Swivel lever comb take-down

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ L	Swivel lever on the left	252 859		3	Microswitch	026 259
1	Support	252 780		4	Plunger	255 650
2	Wave	223 994		5	Swivel lever	239 248
4	Plunger	255 650		6	Bolts	214 053
5	Swivel lever	239 248		7	Angle	224 009
6	Bolts	214 053		8	Angle	238 304
7	Eccentric bolt	255 651		9	Eccentric bolt	255 651
500	Compression spring 1,4x13,6x93	023 572		500	Pan head screw M5x10	023 247
501	Spring dowel sleeve Iso8752-5x20	020 794		501	Spring dowel sleeve 5x20	020 794
502	Dowel pin5x22	023 716		502	Dowel pin5x22	023 716
504	Shoulder screwM5x29x35	251 618		503	Spring dowel sleeve 5x12	020 793
505	Shoulder screw M5x5,8x6,2	023 365		504	Shoulder screwM5x29x35	251 618
507	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	Wave	238 339		513	Hexagon nut M8-6	020 838



8.1.3 Comb take-down in the middle

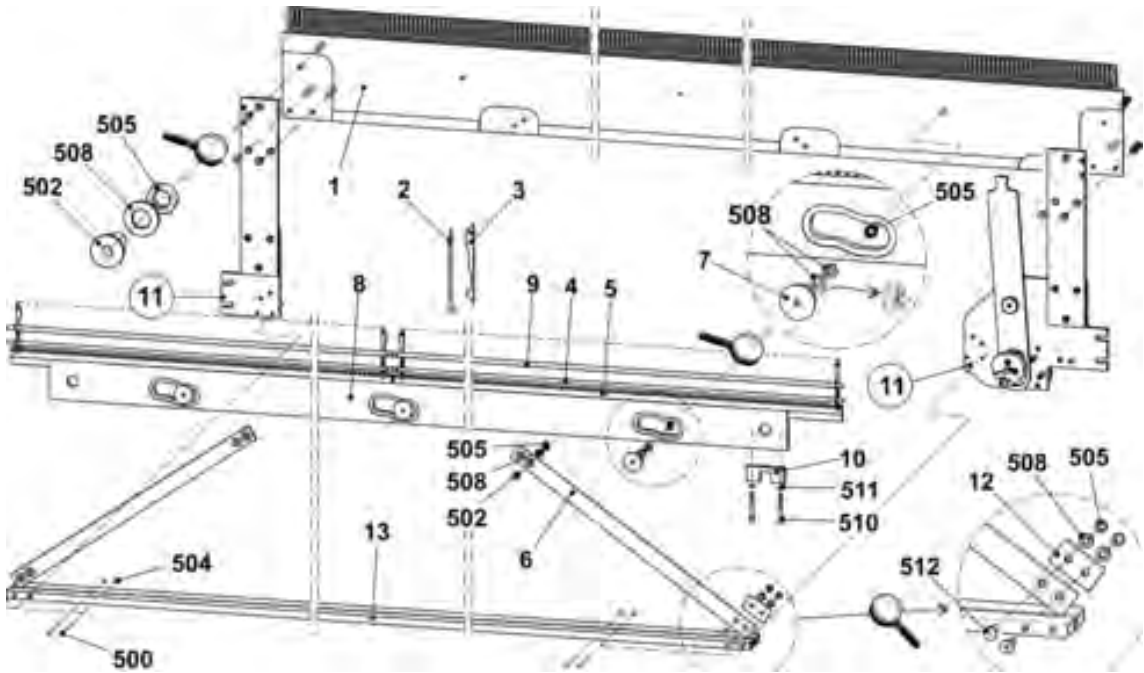
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Comb take-down in the middle			31	Comb unit	
	E5 E5m.4 E2,5.2	255 268			E5 E5m.4 E2,5.2	242 256
	E7 E7m.5 E7m.8 E3,5.2	255 269			E7 E7m.5 E7m.8 E3,5.2	242 257
	E8 E8m.7	255 270			E8 E8m.7	242 258
	E5.2	255 271			E5.2	242 259
8	Flange	207 695		32	Motor take-down unit complete	253 803
9	Shaft long	236 875		35	Marking plate open	252 830
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



8.1 Comb take-down

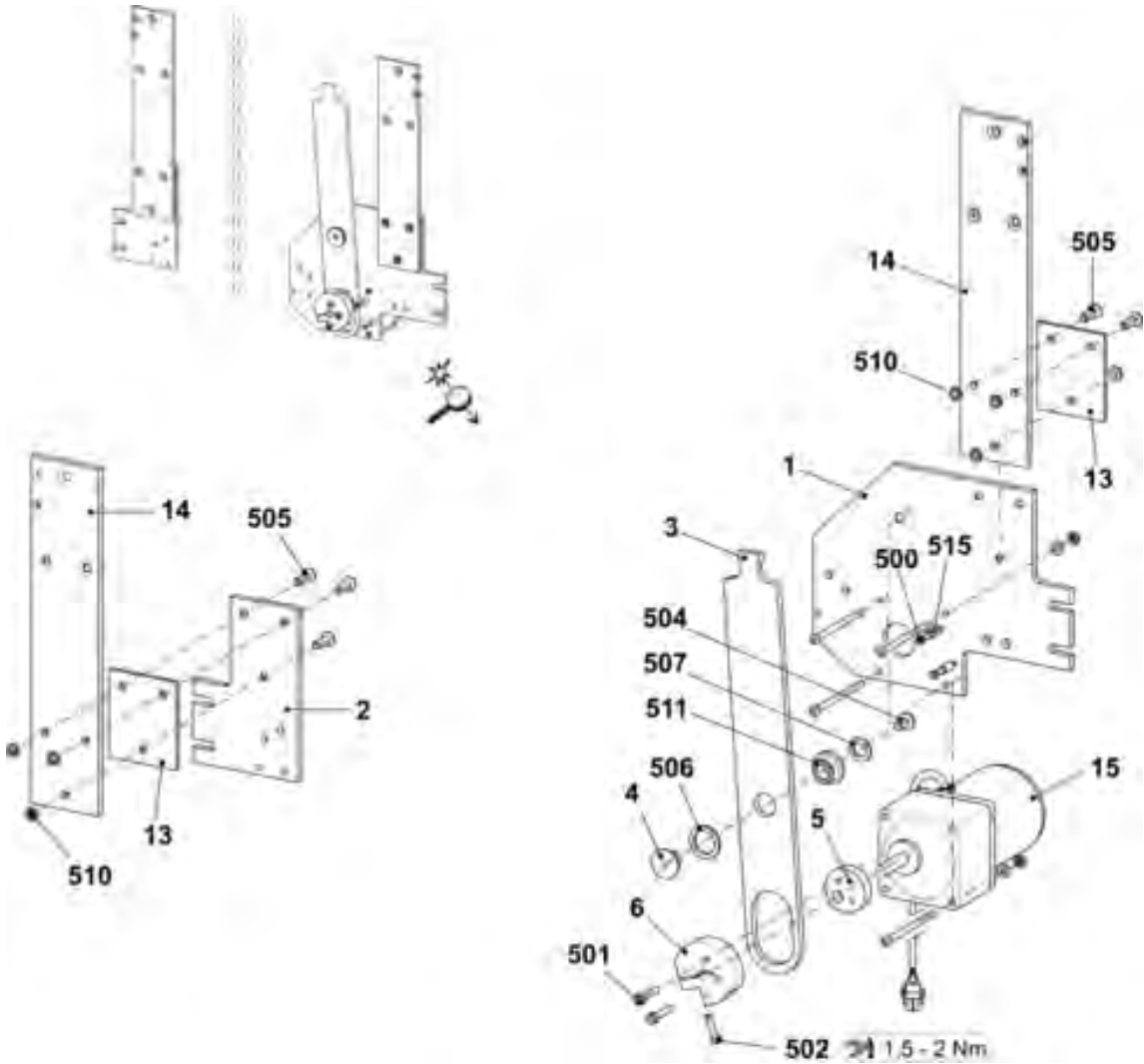
8.1.3.1 Comb unit

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Comb unit			5	Hook slider	
	E5 E5m.4 E2,5.2	242 256			E5 E5m.4 E2,5.2	237 463
	E7 E7m.5 E7m.8 E3,5.2	242 257			E7 E7m.5 E7m.8 E3,5.2	237 464
	E8 E8m.7	242 258			E8 E8m.7	237 466
	E5.2	242 259			E5.2	237 465
1	Hook bed			6	Strut	218 740
	E5 E5m.4 E2,5.2	237 468		7	Collar bolt complete	211 036
	E7 E7m.5 E7m.8 E3,5.2	237 469		8	Cross slider	237 069
	E8 E8m.7	237 694		9	Cover rail	237 074
	E5.2	237 470		10	Plunger	205 678
2	Closer			11	Switching lever complete	240 060
	E5 E5m.4 E2,5.2	230 105		12	Intermediate plate	218 742
	E7 E7m.5 E7m.8 E3,5.2	230 105		13	Stabilizer	237 056
	E8 E8m.7	230 105		500	Cap screw M4x50	023 102
	E5.2	230 106		502	Countersunk head screw M5x12	023 340
3	Body			504	Hexagon nut M4-8	023 046
	E5 E5m.4 E2,5.2	230 093		505	Hexagon nut M5-04	020 854
	E7 E7m.5 E7m.8 E3,5.2	230 093		508	Washer5-200	020 871
	E8 E8m.7	230 093		510	Cap screw M4x30	023 290
	E5.2	230 094		511	Circlip	022 774
4	Cover rail	237 065		512	Countersunk screw M5x16	023 417



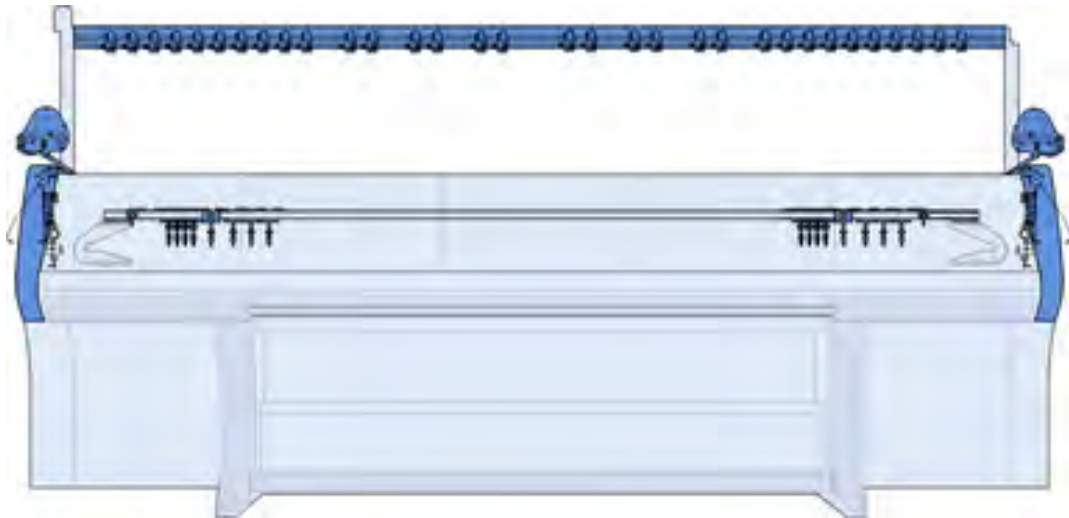
8.1.3.1.1 Switching lever comb take-down

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



Notes:

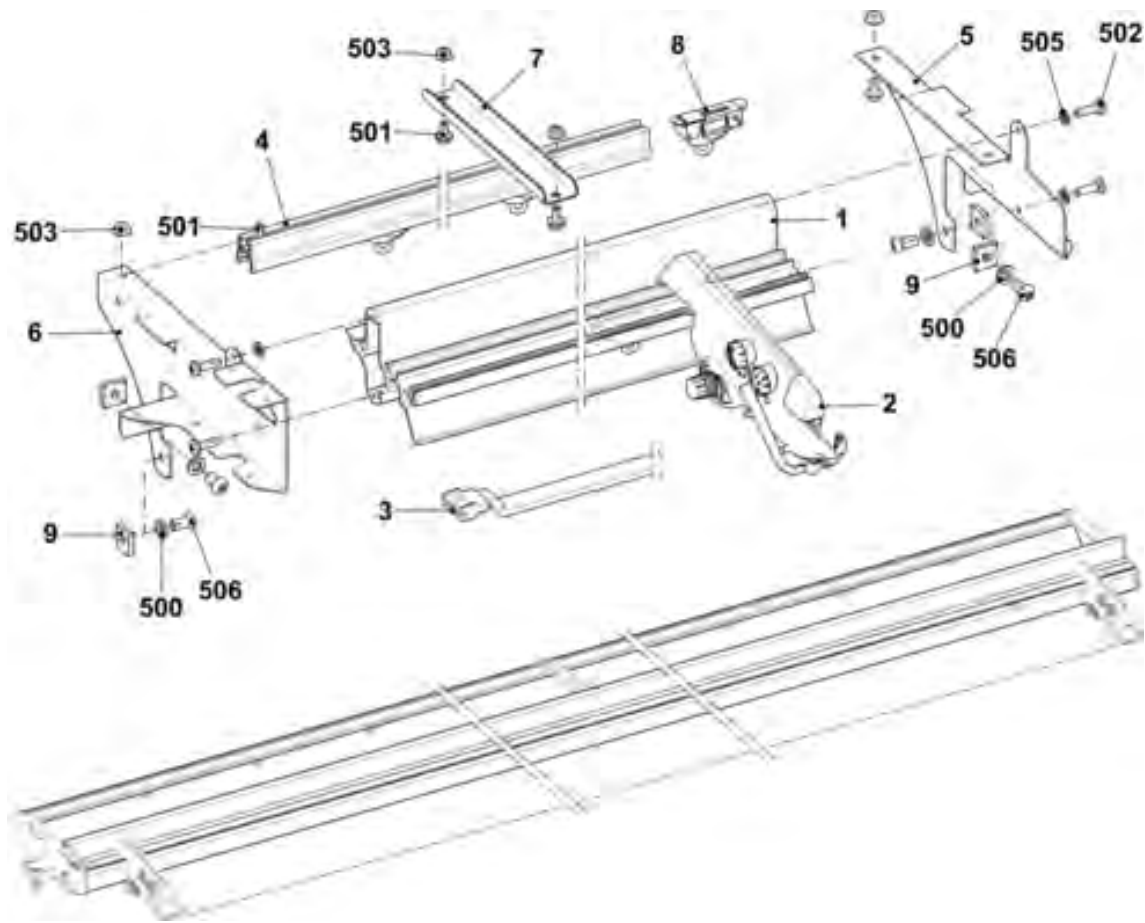
9 Yarn delivery device



9.1 Yarn guide system with 26 FKE

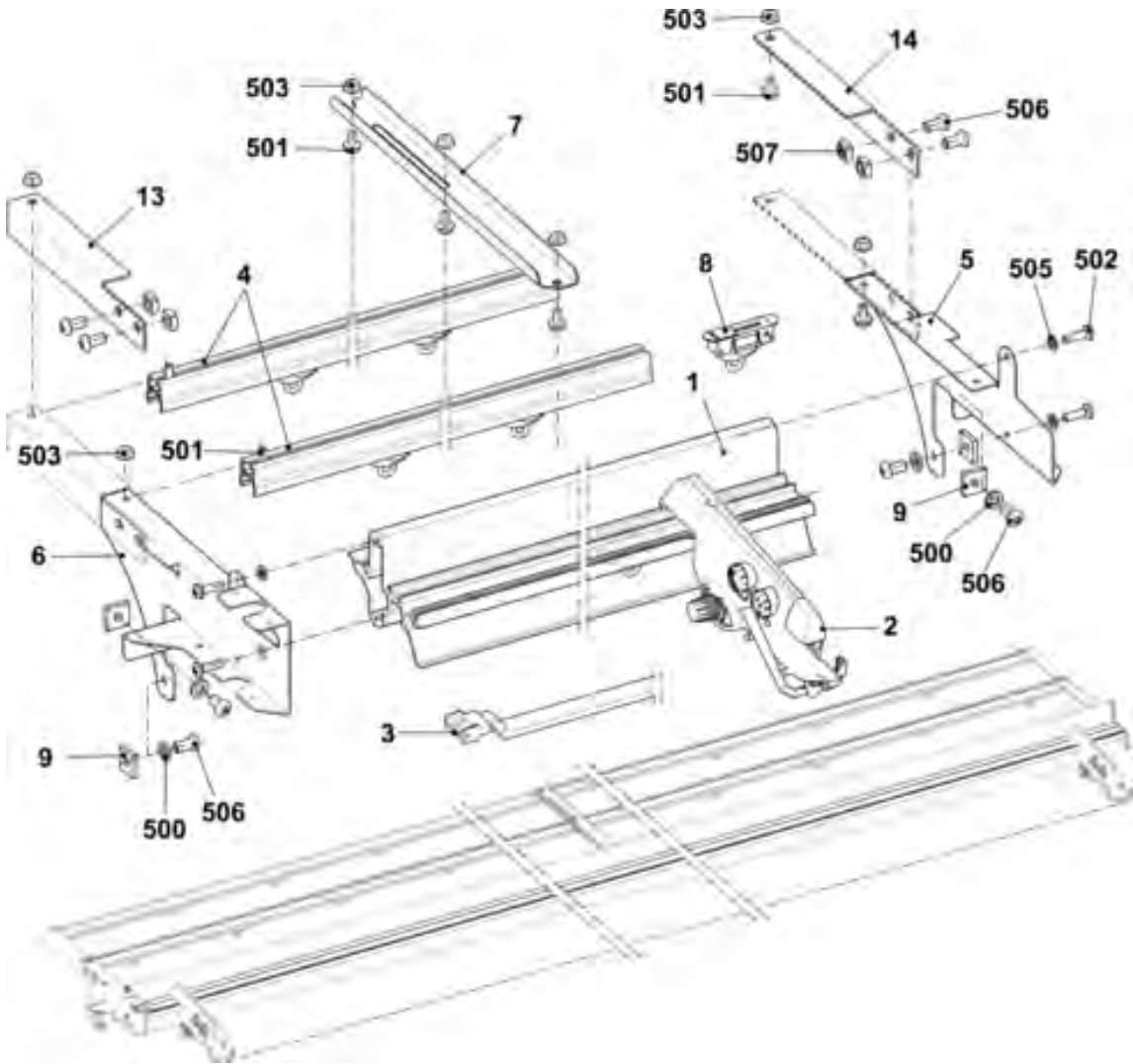
9.1 Yarn guide system with 26 FKE

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Yarn guide device 26 FKE 84"	242 269		8	Yarn guide bracket complete	241 581
1	Support 84"	243 112		9	Slot nut	228 851
2	Yarn control device(FKE)	237 124		500	Serrated lock washer	023 388
3	Connection cable FKE-3 84"	240 349		501	Self-locking screw M6x12	023 415
4	Yarn guide bar	236 932		502	Screw M6x20	023 721
5	Support on the right	243 601		503	Serrated nut M6-10	023 414
6	Support on the left	243 600		505	Washer6-200	022 431
7	Support	243 792		506	Pan-head screw M8x16	023 113



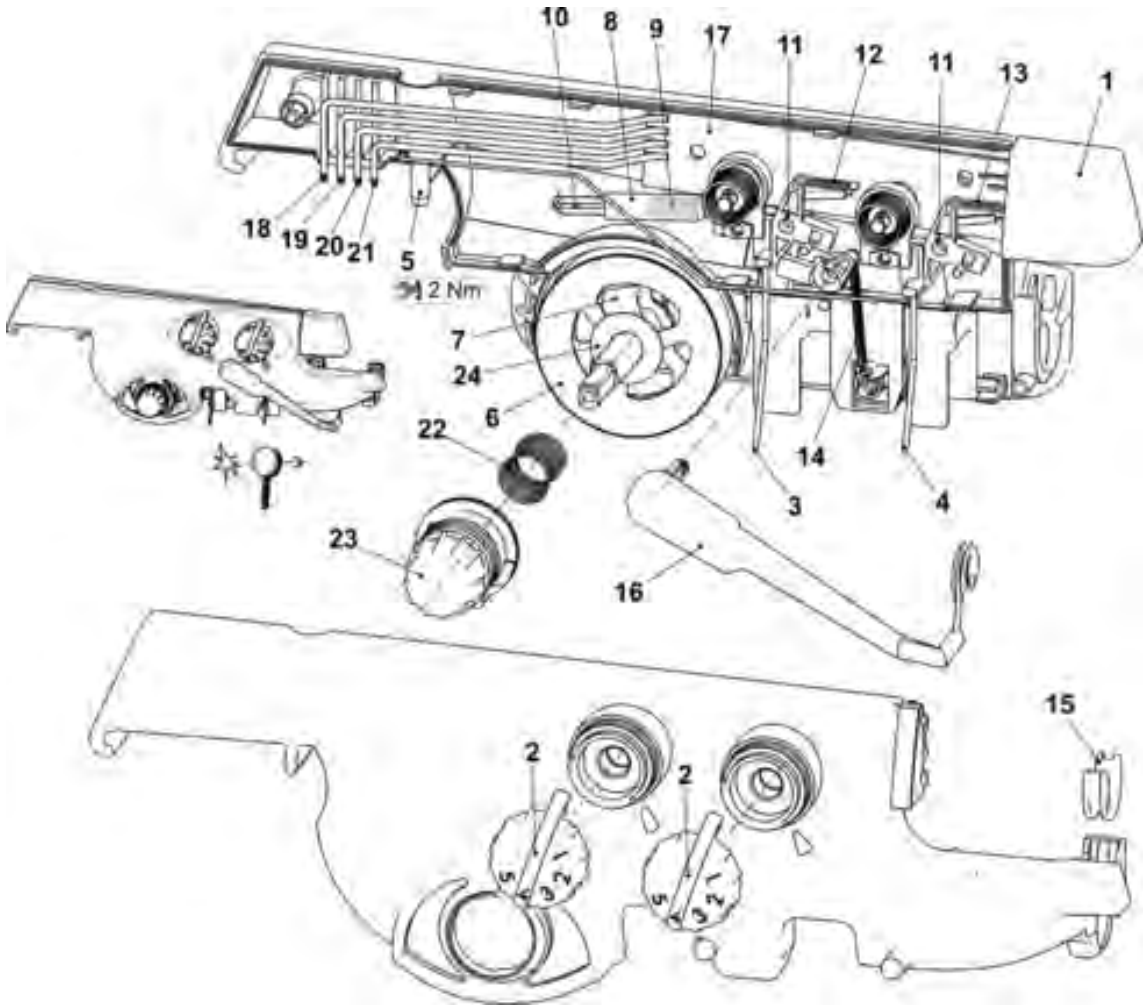
9.2 Yarn guide system with 32 FKE

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Yarn guide device 32 FKE 84"	242 991				
1	Support	243 112		13	Support on the left	243 602
2	Yarn control device(FKE)	237 124		14	Support on the right	243 603
3	Connection cable FKE-3 84"	240 349		500	Serrated lock washer	023 388
4	Yarn guide bar	236 932		501	Self-locking screw M6x12	023 415
5	Support on the right	243 601		502	Screw M6x20	023 721
6	Support on the left	243 600		503	Serrated nut M6-10	023 414
7	Support	239 295		505	Washer6	022 431
8	Yarn guide bracket complete	241 581		506	Pan head screw M8x16	023 113
9	Slot nut	228 851		507	Square nut M8	023 269



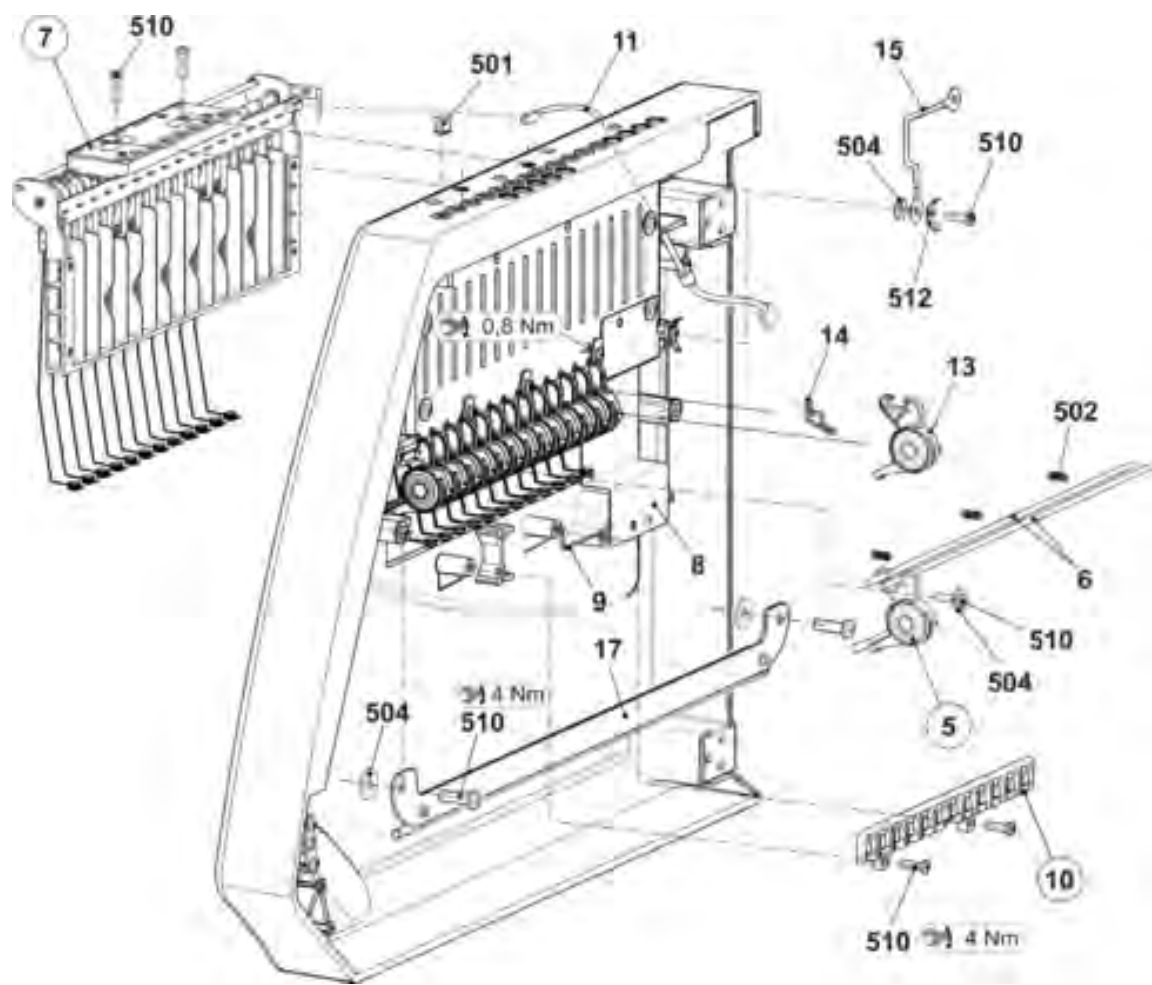
9.3 Yarn control device

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn control device	237 124				
1	Lamp cap	251 166		13	Tension spring	253 040
2	Turning knob	251 167		14	Tension spring	253 041
3	Knot detector for large knots	251 168		15	Ceramic eyelet open	240 733
4	Knot detector for mall knots	251 169		16	Stop bow	253 043
5	Screw	251 170		17	Jack	253 046
6	Yarn brake disk	216 365		18	Contact pin	253 047
7	Yarn holder	244 407		19	Contact pin	253 048
8	Sleeve	253 034		20	Contact pin	253 049
9	Compression spring	253 035		21	Contact pin	253 050
10	Pencil	253 036		22	Compression spring	253 055
11	Trip cam	253 037		23	Turning knob	253 056
12	Tension spring	253 038		24	Disk	216 372



9.4 Left yarn guide

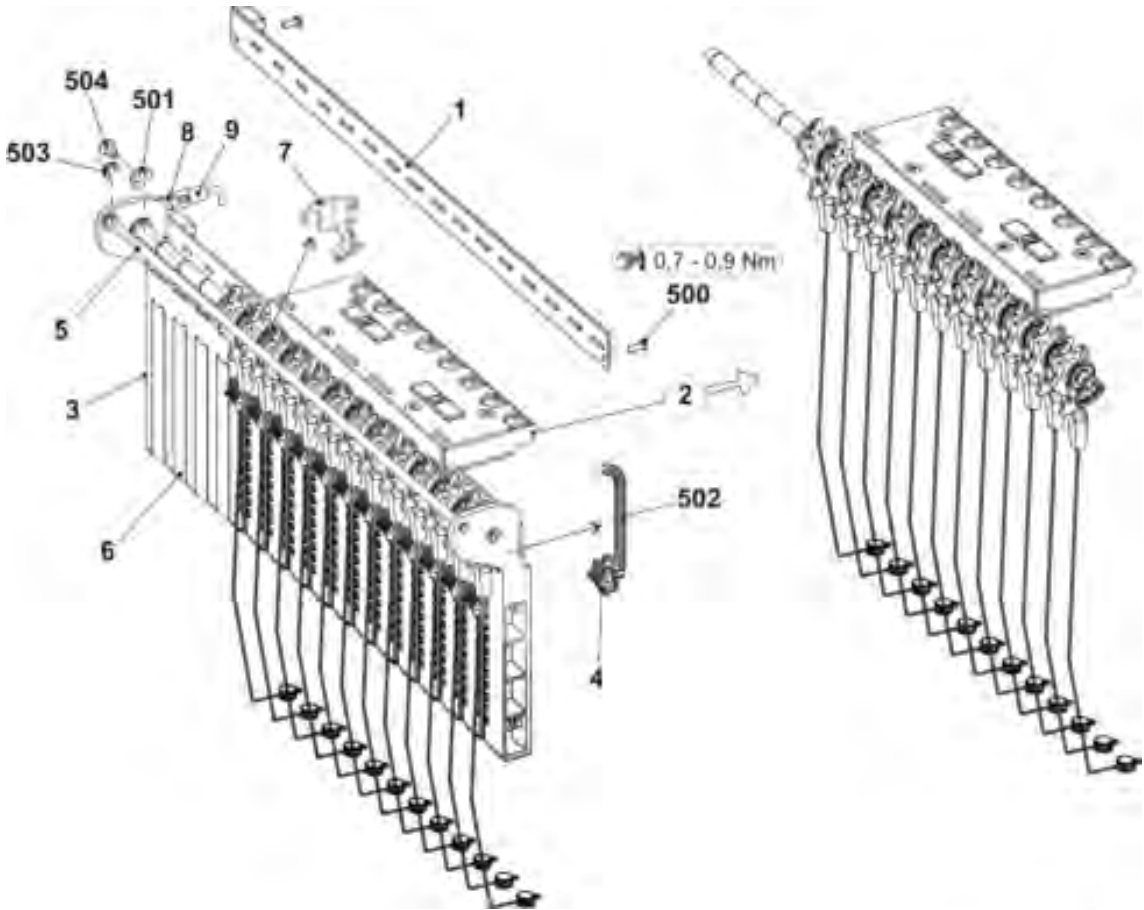
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Safety door on the left complete				
	E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 271	11	Connection cable yarn tensionerokc	240 808
	E7 E8 E7m.8 E8m.7	241 272	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Wave	241 318	15	Ground cable	244 404
7	Yarn tensioner on the left complete		17	Stop bar on the left complete	258 454
	E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 363	501	Ceramic eyelet	240 640
	E7 E8 E7m.8 E8m.7	241 364	502	Compression spring 0,90x5,40x13,60	241 360
8	Cover	240 783	504	Washer6	022 537
9	Wire bow on the left	241 370	510	Screw KB 60x20	237 682
10	Yarn deflector	242 011	512	Flat connector 2x45° M6	243 117



9.4 Left yarn guide

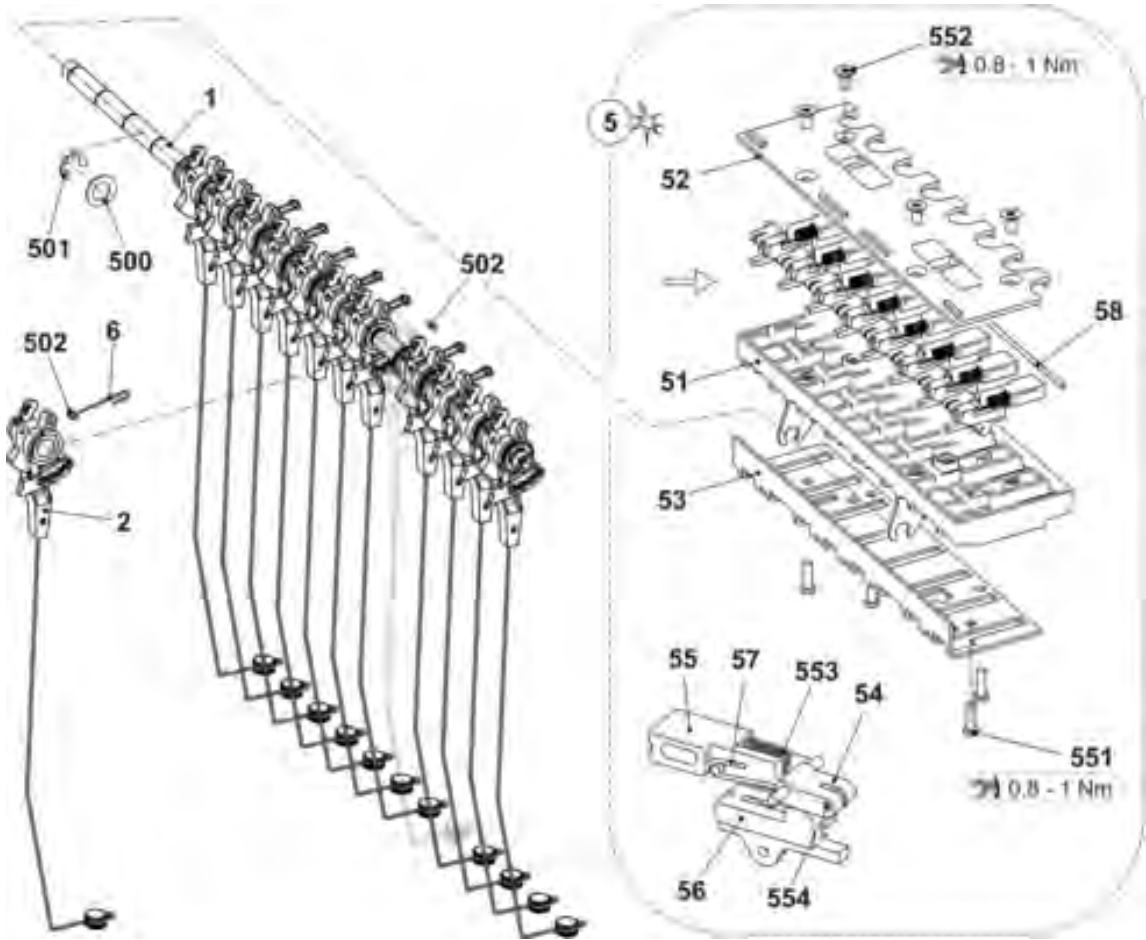
9.4.1 Left yarn tensioner

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Yarn tensioner on the left complete			7	Spacer	242 048
	E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 363		8	Grounding plate of tension axle	243 121
	E7 E8 E7m.8 E8m.7	241 364		9	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the left	241 345		500	Screw KB 30x8	236 228
2	Tension axle on the left complete E3-8	241 366		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5,05x0,55x53 E3-5 (E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5)	023 502
4	Slider	241 694			Tension spring 4,9x0,5x53 E7 E8 E7m.8 E 8m.7	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Border	242 268		504	Countersunk screw M4x10	241 914



9.4.1.1 Left tension axle

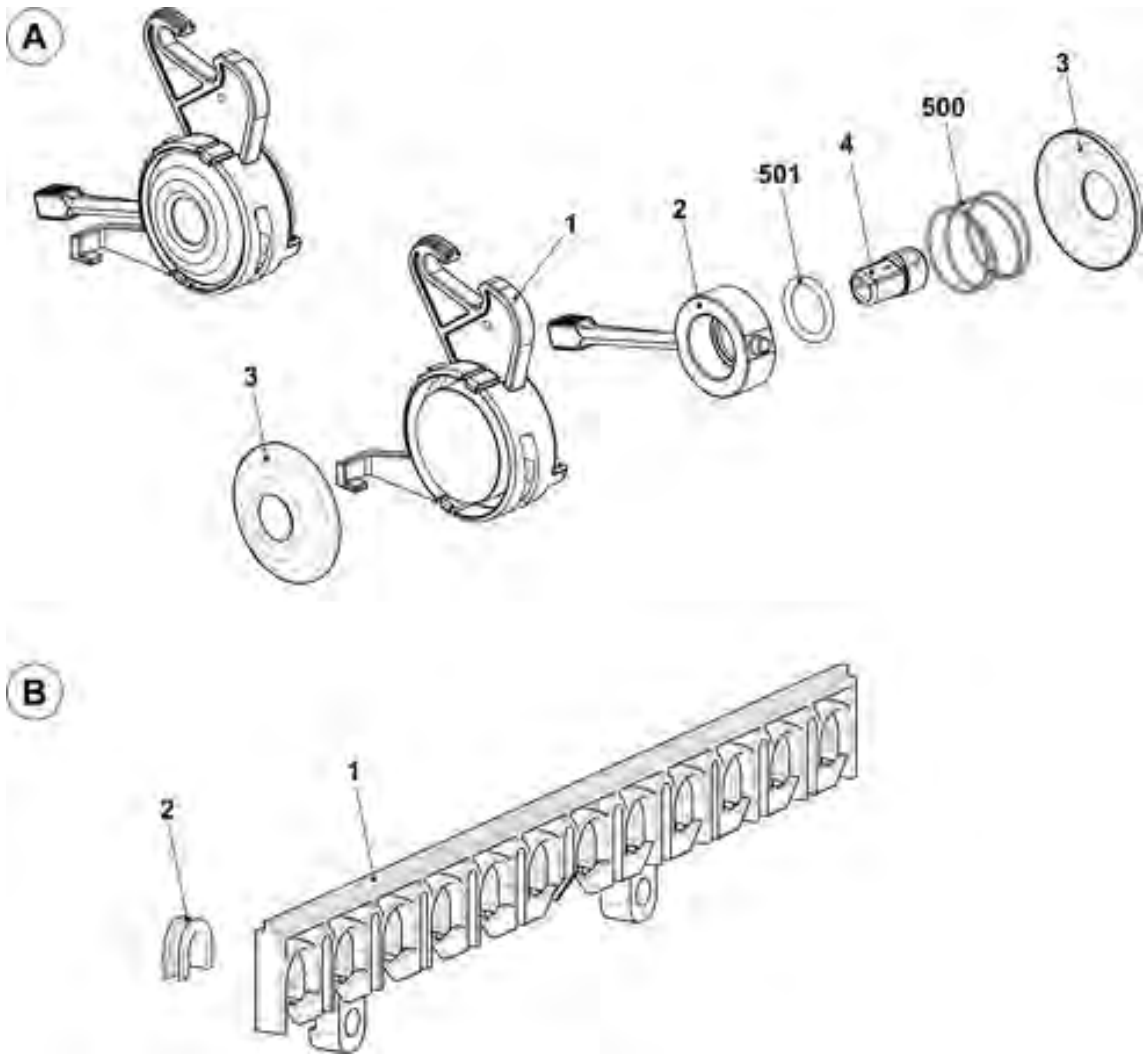
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Tension axle on the left complete E3-8	241 366		53	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107		54	Lever AKF	238 692
2	Tension arm pre-assembledE3-8	259 448		55	Pressure piece AKF	238 690
6	Wire bow	238 694		56	SliderAKF	238 691
500	Shim ring 8x14x0,5	023 501		57	Wire bow	238 694
501	Circlip	021 022		58	Wire	237 940
502	Grooved pin 2x6	243 172		551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695		552	Screw KB 40x8	236 227
51	HousingAKF	238 689		553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926		554	Grooved pin 2x6	243 172



9.4 Left yarn guide

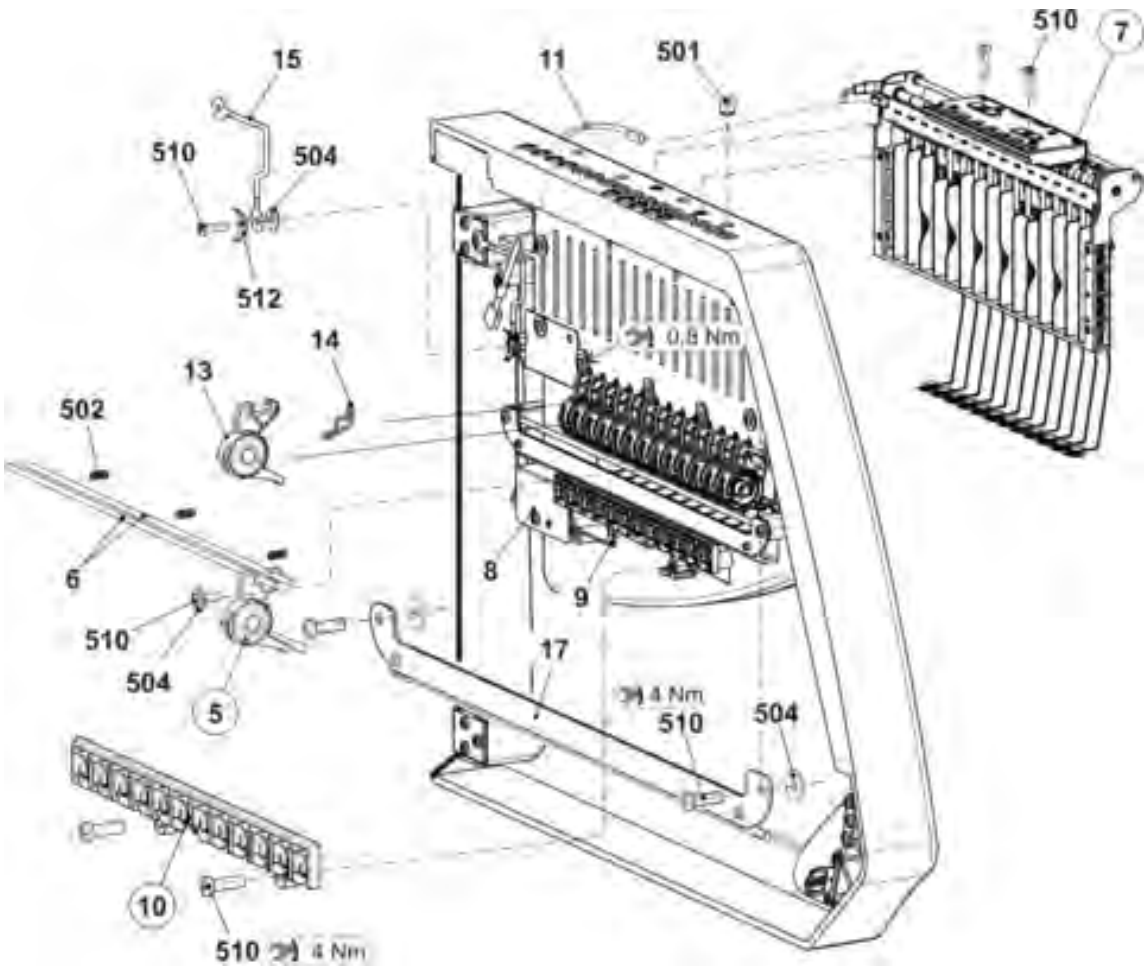
9.4.2 Yarn brake and yarn deflector

Pos	Designation	Id. no.		Pos	Designation	Id. no.
A	Yarn brake complete	244 347		B	Yarn deflector	242 011
1	Support	240 607		1	Support of yarn deflector	242 009
2	Slider	240 606		2	Ceramic eyelet open	240 733
3	Brake disk	244 355				
4	Ceramic eyelet open	243 778				
500	Compression spring 0,65x20,15x14,80	241 361				
501	O-ring 11x2	241 434				



9.5 Right yarn guide

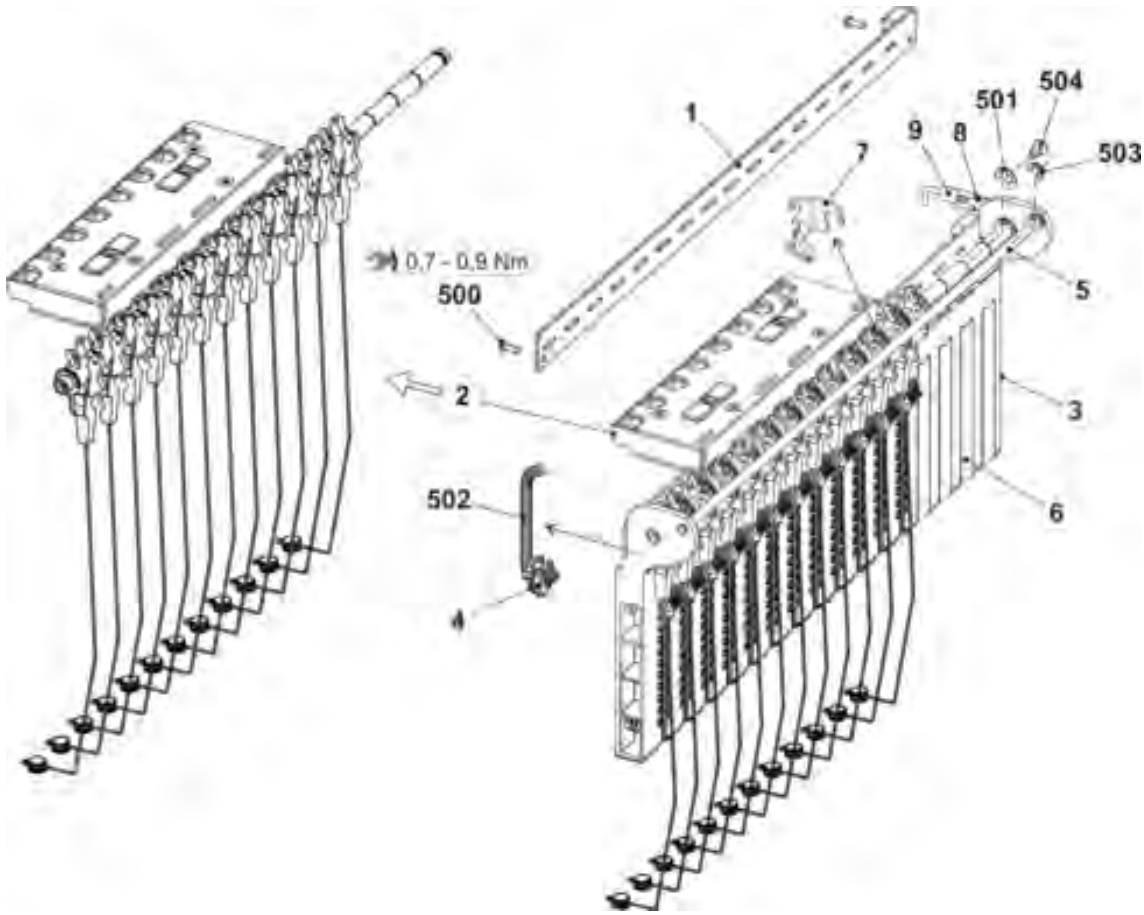
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Safety door on the right complete				
	E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 274	11	Connection cable yarn tensionerokc	240 808
	E7 E8 E7m.8 E8m.7	241 275	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Wave	241 318	15	Ground cable	244 404
7	Yarn tensioner on the right complete		17	Stop bar on the right complete	258 562
	E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 382	501	Ceramic eyelet	240 640
	E7 E8 E7m.8 E8m.7	241 383	502	Compression spring 0,90x5,40x13,60	241 360
8	Cover	240 783	504	Washer6	022 537
9	Wire bow on the left	241 370	510	Screw KB 60x20	237 682
10	Yarn deflector	242 011	512	Flat connector 2x45° M6	243 117



9.5 Right yarn guide

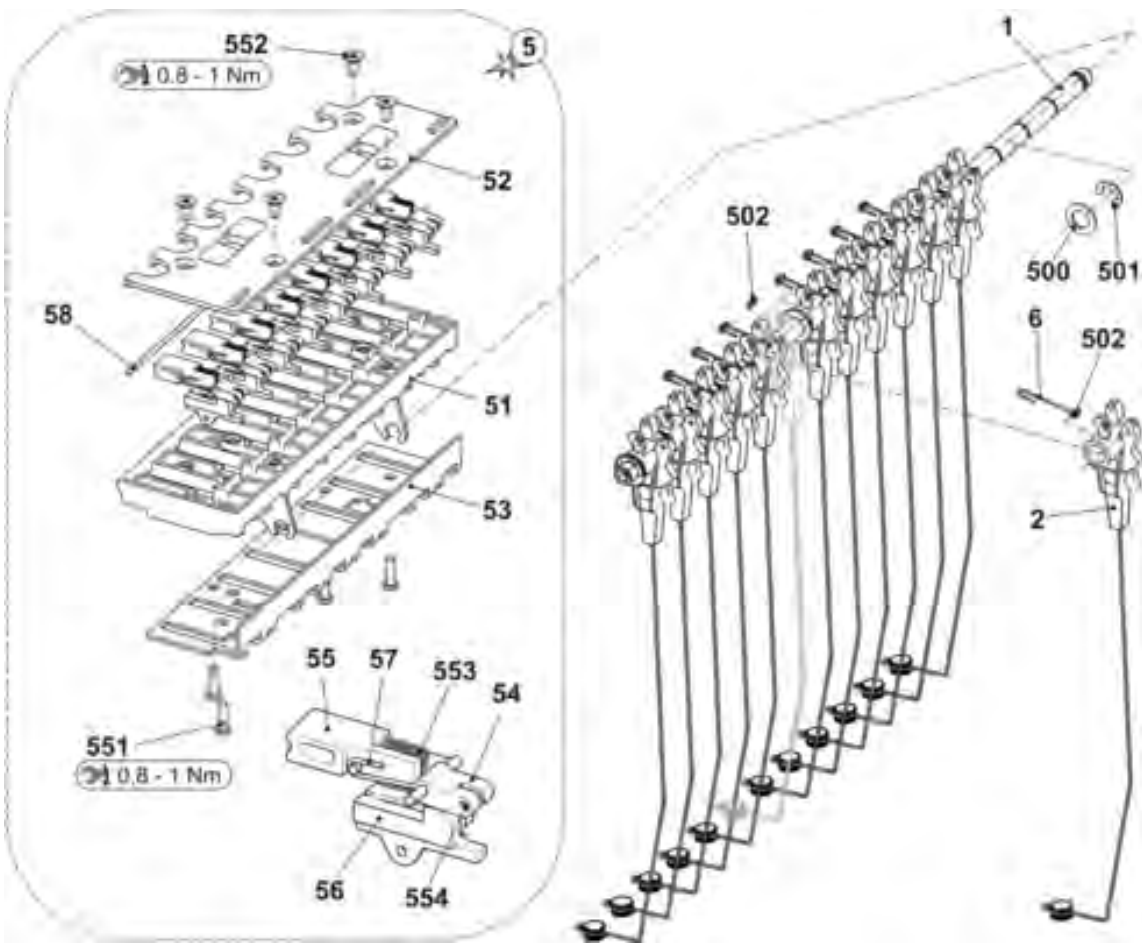
9.5.1 Right yarn tensioner

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Yarn tensioner on the right complete			7	Spacer	242 048
	E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 382		8	Grounding plate of tension axle	243 121
	E7 E8 E7m.8 E8m.7	241 383		9	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the right	241 346		500	Screw KB 30x8	236 228
2	Tension axle on the right completeE3-8	241 379		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5,05x0,55x53 E3-5 (E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5)	023 502
4	Slider	241 694			Tension spring 4,9x0,5x53 E7 E8 E7m.8 E 8m.7	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Border	242 268		504	Countersunk screw M4x10	241 914



9.5.1.1 Right tension axle

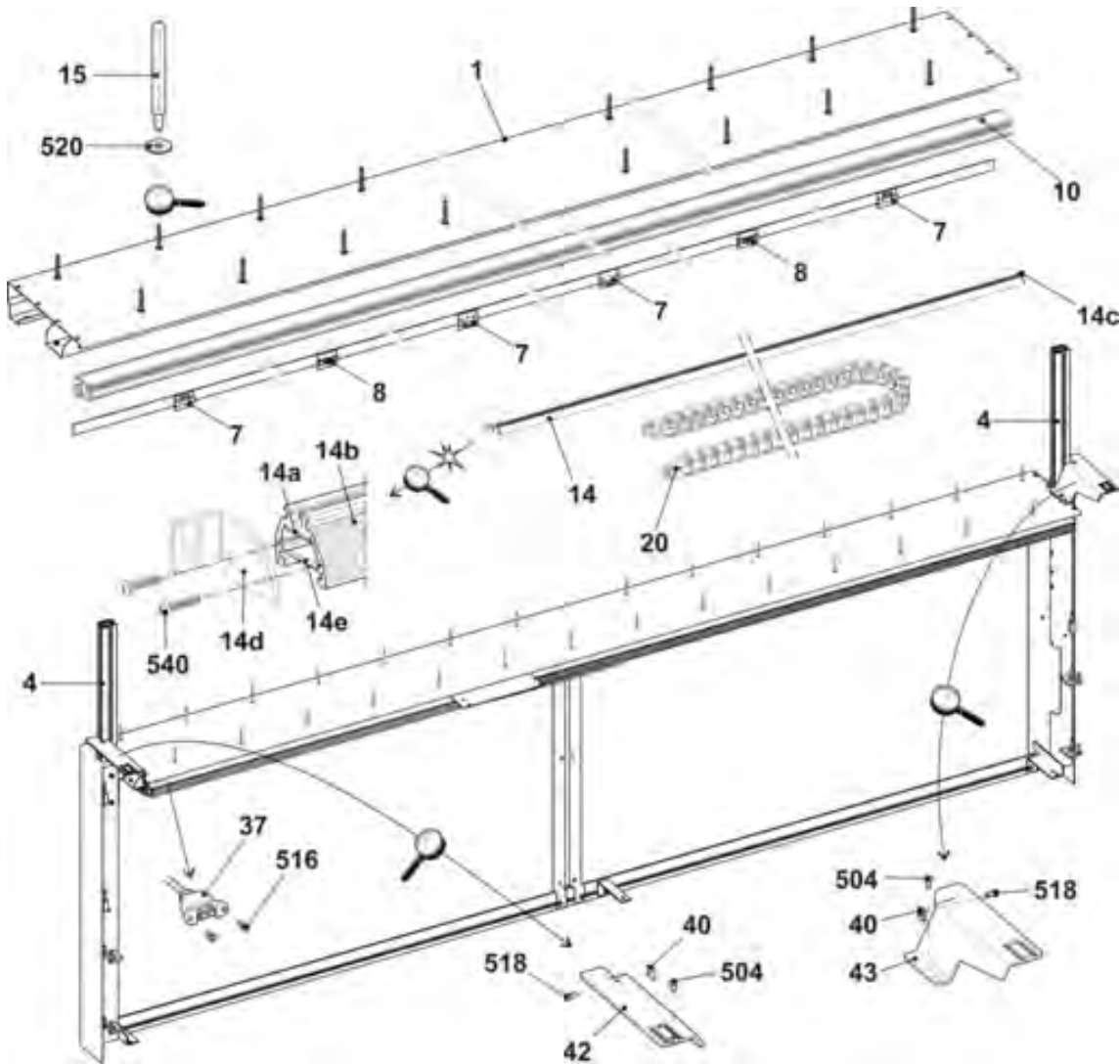
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Tension axle on the right completeE3-8	241 379	53	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107	54	Lever AKF	238 692
2	Tension arm pre-assembledE3-8	259 448	55	Pressure piece AKF	238 690
6	Wire bow	238 694	56	SliderAKF	238 691
500	Shim ring 8x14x0,5	023 501	57	Wire bow	238 694
501	Circlip	021 022	58	Wire	237 940
502	Grooved pin 2x6	243 172	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	HousingAKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172



9.6 Bobbin board

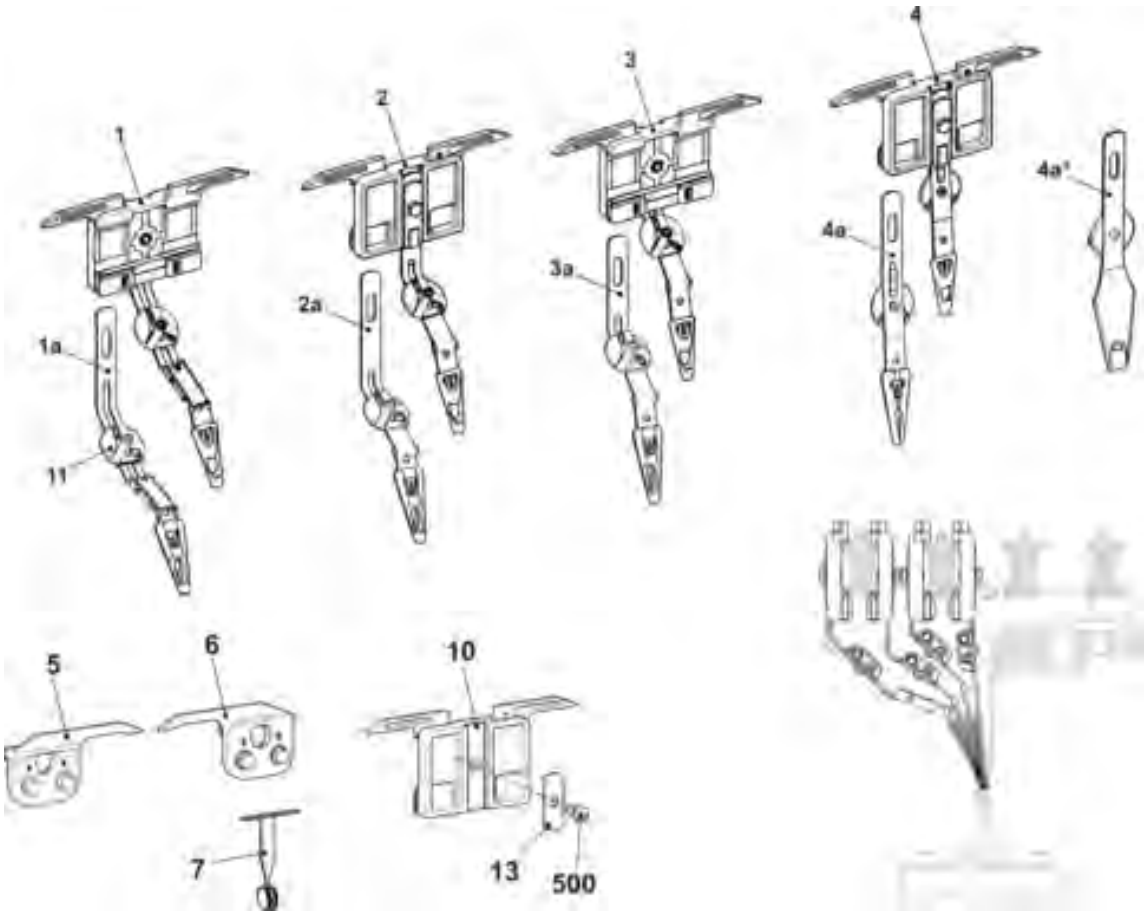
9.6 Bobbin board

Pos	Designation		Id. no.	Pos	Designation		Id. no.
Σ	Table complete 84"		240 681				
1	Table		251 246		540	Sheet metal screw ST2,2x9,5-F	263 824
4	Support element		228 594	15	Positioning pin		204 819
7	Magnet switch safety door		219 983	20	Energy chain display 38 links		253 888
8	Magnet switch safety door		220 159	37	Cable USB extension 84 okc		243 070
10	Guide rail at the top complete		240 684	40	Slot nut		228 851
14	Lamp LED complete2400		263 678	42	Support of left feed wheel		250 966
	14a	Card LED-module	263 642	43	Support of right feed wheel		250 967
	14b	Support profile of lamp	263 677	504	Pan head screw M8x16		023 113
	14c	Support right	263 645	516	Pan head screw M3x8		023 251
	14d	Support on the left	263 646	518	Pan head screw M8x18		251 331
	14e	Cover	263 647	520	Washer		020 901



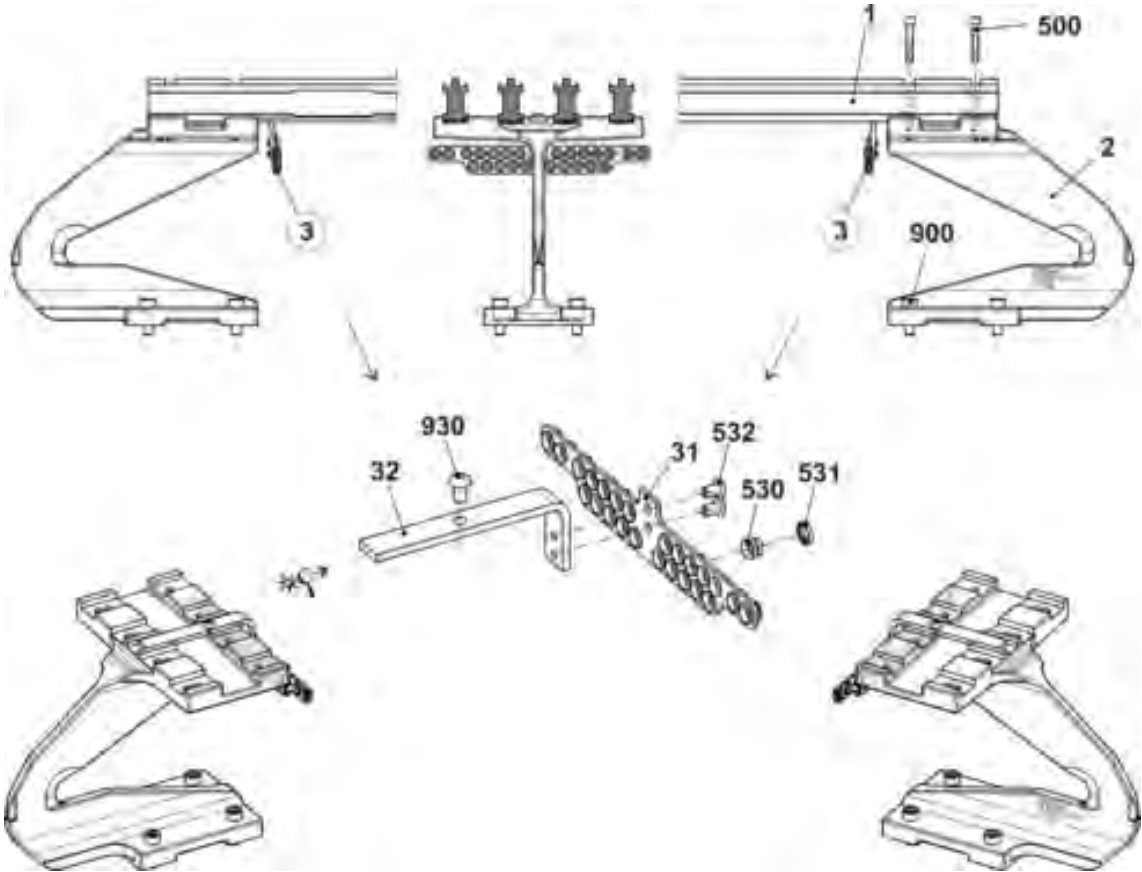
9.7 Yarn guide complete

Pos	Designation	Track	Id. no.		Pos	Designation	Id. no.
Σ	Yarn guide complete						
	E5 E5m.4 E7m.5 E2,5.2 E3,5.2 E5.2 E2,5.-2m.4L E3,5.2m.4L		244 003				
	E7 E8 E7m.8 E8m.7		244 004				
E5 E5m.4 E7m.5 E2,5.2 E3,5.2 E5.2 E2,5.2m.4L E3,5.2m.4L				E5 E5m.4 E7m.5 E2,5.2 E3,5.2 E5.2 E2,5.2m.4L E3,5.2m.4L			
1	FF carriage complete E5	1+8	243 935		1a	FF bow 1+8 complete E5	212 990
2	FF carriage complete E5	2+7	243 934		2a	FF bow 2+7 complete E5	212 992
3	FF carriage complete E5	3+6	243 933		3a	FF bow 3+6 complete E5	212 991
4	FF carriage complete E5	4+5	243 932		4a	FF bow 4+5 complete E5	212 993
E7 E8 E7m.8 E8m.7					E7 E8 E7m.8 E8m.7		
1	FF carriage complete E7-8	1+8	243 939		1a	FF bow 1+8 complete E7-8	212 892
2	FF carriage complete E7-8	2+7	243 938		2a	FF bow 2+7 complete E7-8	212 914
3	FF carriage complete E7-8	3+6	243 937		3a	FF bow 3+6 complete E7-8	212 925
4	FF carriage complete E7-8	4+5	243 936		4a	FF bow 4+5 complete E7-8	212 910
5	Limiter on the left complete		244 099		11	Yarn guide star complete	209 257
6	Limiter on the right complete		244 098		13	Shim	213 035
7	Slider with eyelet		230 709		500	Hexagon screw M5x10	020 351
10	FF carriage complete		243 062		4a*	FF bow 4+5 complete E3-4 (E2,5.2m.4L)	261 137



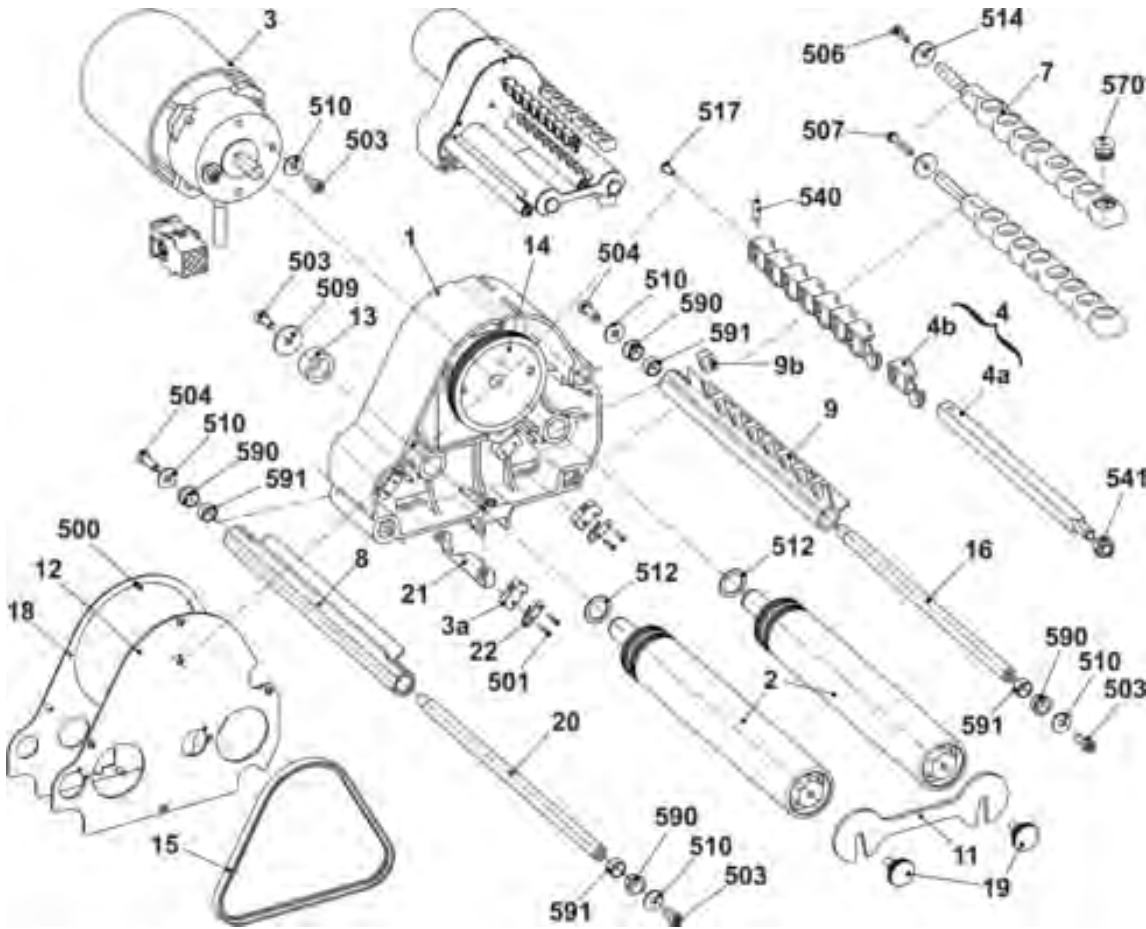
9.8 Bar unit

Pos	Designation		Id. no.		Pos	Designation		Id. no.
Σ	Bar unit		244 103			530	Eyelet 4,2	021 502
1	Yarn carrier rail		255 467			531	Clamping ring	259 606
2	FF support		253 674			532	Pan head screw M5x8	239 408
3	Yarn guide bracket complete		259 403			930	Pan head screw M6x10	023 183
	31	Eyelet holder complete	259 402		500	Cap screw M6x35		020 139
	32	Holding angle	259 574		900	Cap screw M8x25		020 142



9.9 Left friction feed wheel

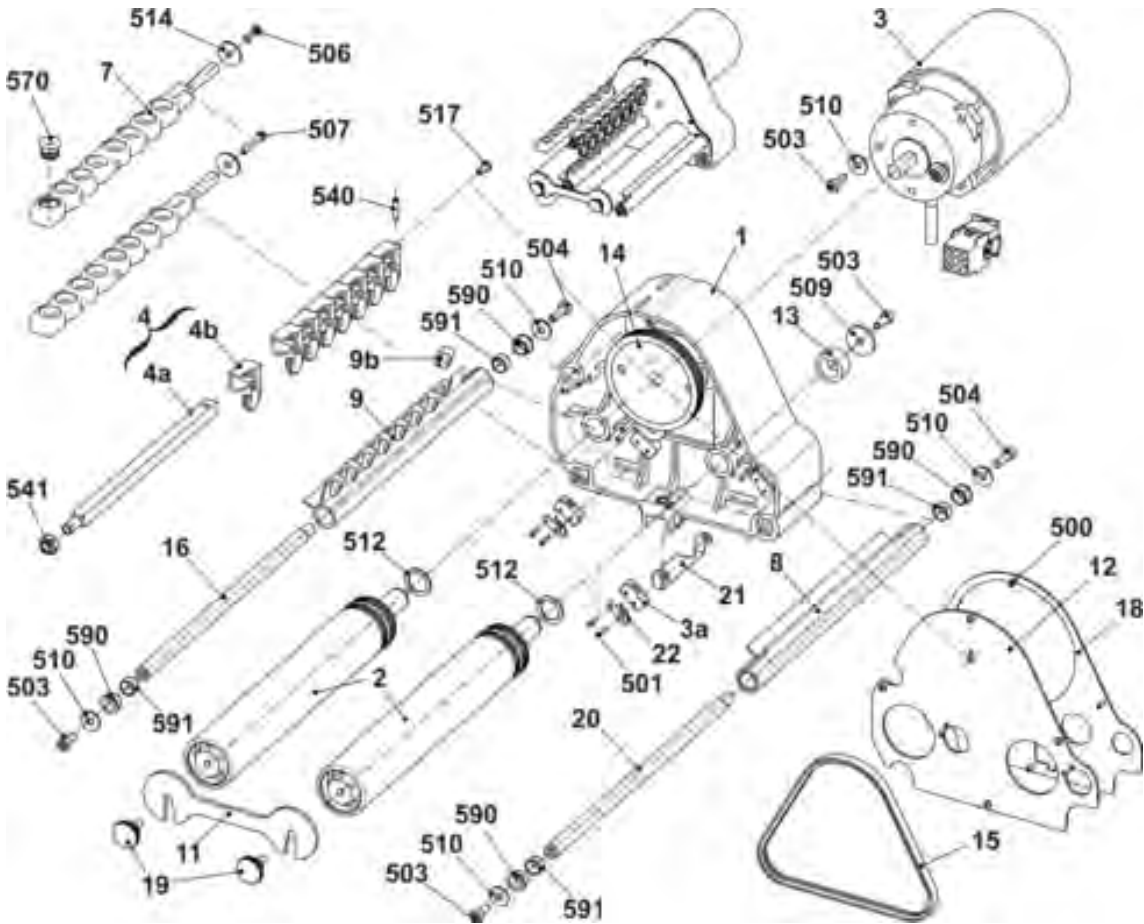
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the left complete		243 571	14	V-ribbed belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase AC motor complete		219 800	18	Cover		230 758
	3a	Microswitch	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				



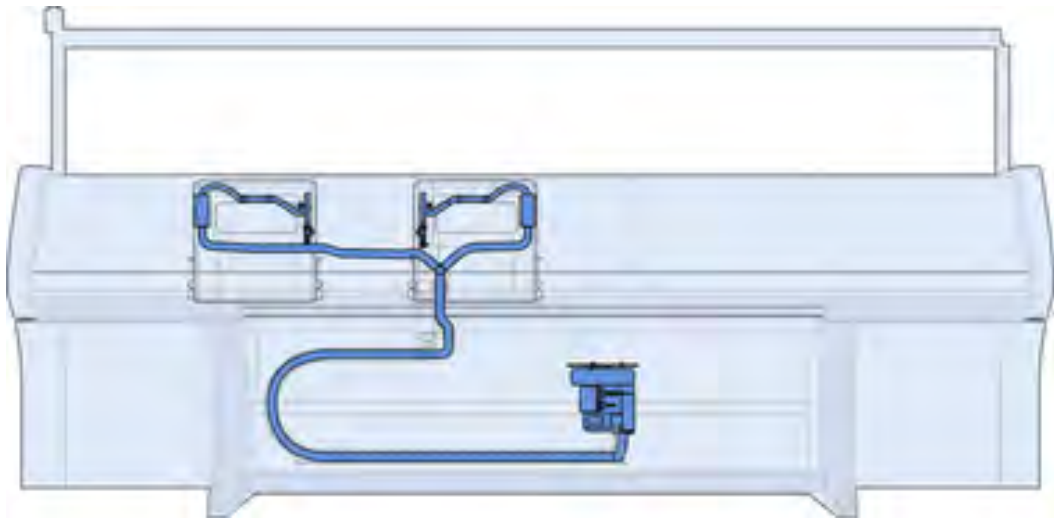
9.10 Right friction feed wheel

9.10 Right friction feed wheel

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

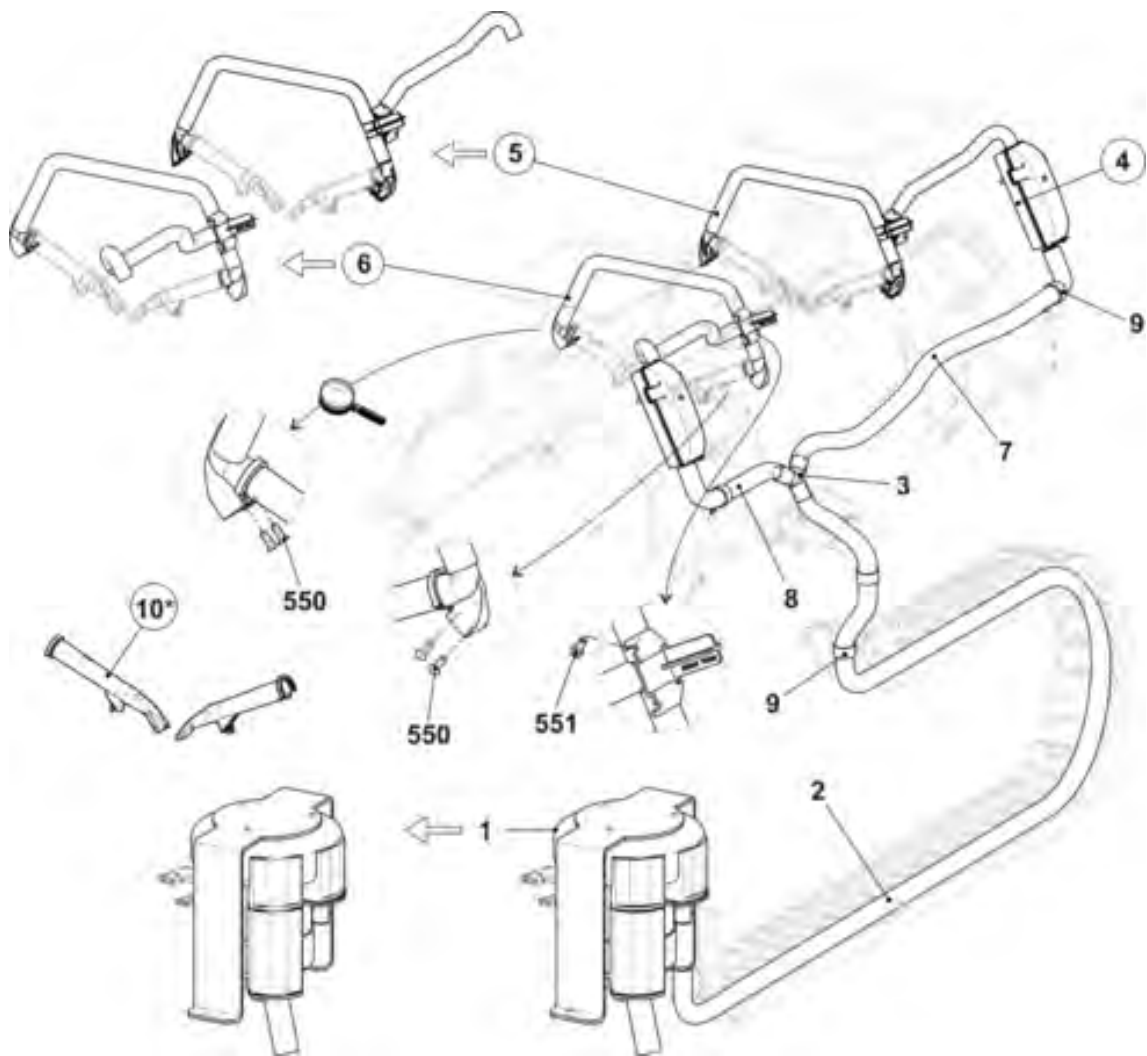


10 Fluff absorption



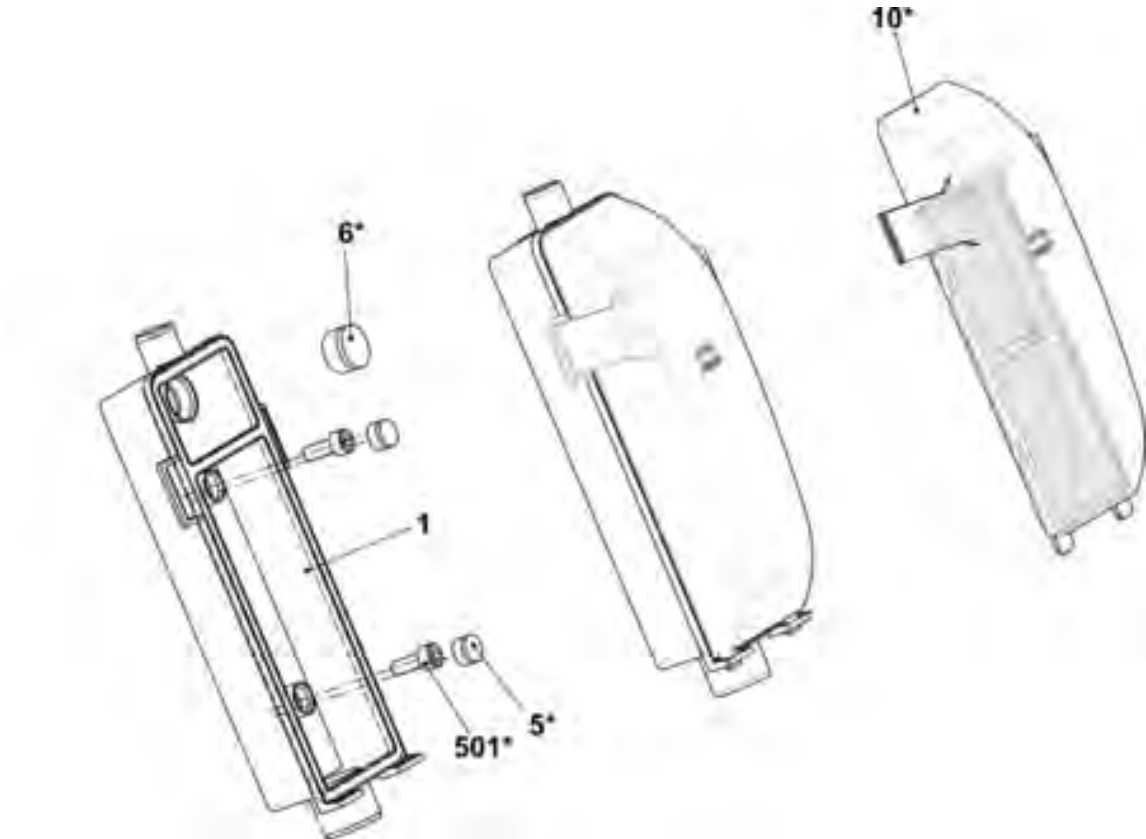
10.1 Fluff absorption

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Fluff absorption				
1	Suction fan complete	251 332	7	Suction hose 29x25x1300	251 347
2	Suction hose 29x25x2850	252 747	8	Suction hose 29x25x350	252 746
3	Hose connector 25 mm	245 011	9	Hose clip	214 653
4	Lint container	245 024	10*	Suction tube complete 822 E5-14	251 312
5	Set of hose on the left complete 822	251 343	550	Countersunk head screw M4x8	251 011
6	Set of hose on the right complete 822	251 344	551	Cap screw M4x8	022 501



10.1.1 Lint container

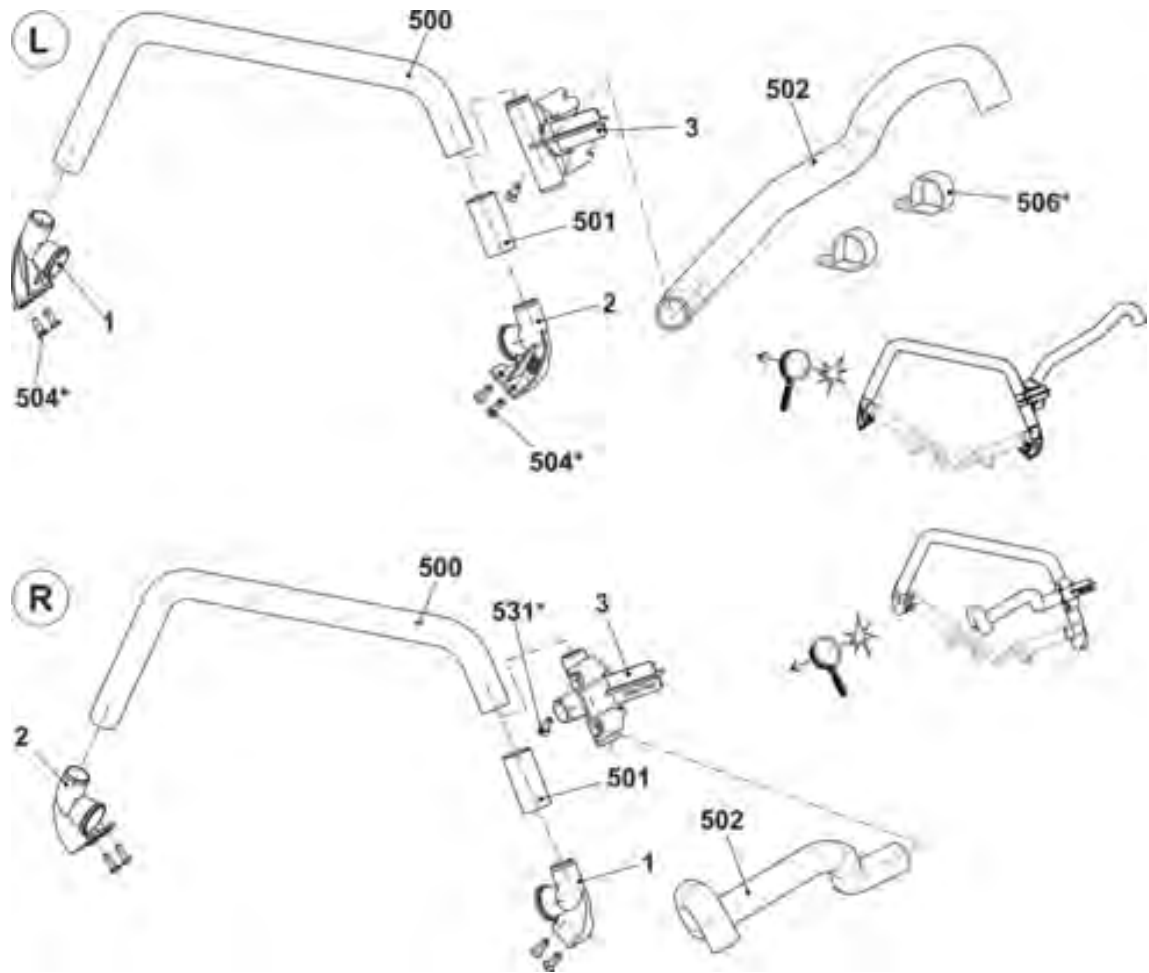
Pos	Designation	Id		Pos	Designation	Id
Σ	Lint container			6*	Sealing plug	245 029
1	Lint container	245 024		10*	Cover with filter	251 335
5*	Sealing plug	245 028		501*	Cap screwM6x10	023 690



10.1 Fluff absorption

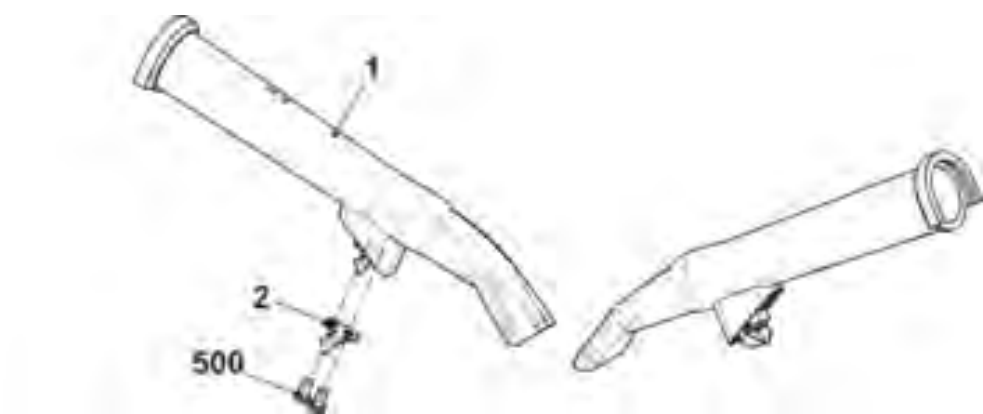
10.1.2 Set of hose on the left and right

Pos	Designation	Id. no.		Pos	Designation	Id. no.
L	Set of hose on the left complete 822 5Z	251 343				
R	Set of hose on the right complete 822	251 344		501	Suction hose 20x16x40	251 043
1	Angle connection on the right	250 121		502	Suction hose 20x16x420	251 045
2	Angle connection on the left	251 101		504*	Countersunk head screw M4x8	251 011
3	Connection piece FLENT	245 022		506*	Cable clip	250 051
500	Suction hose 20x16x400	244 983		531*	Cap screw M4x8	022 501



10.1.3 Suction tube

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Suction tube complete E5-14	251 312		2	Bracket	255 628
1	Suction tube	255 386		500	Screw KB30x6	241 424



Notes:

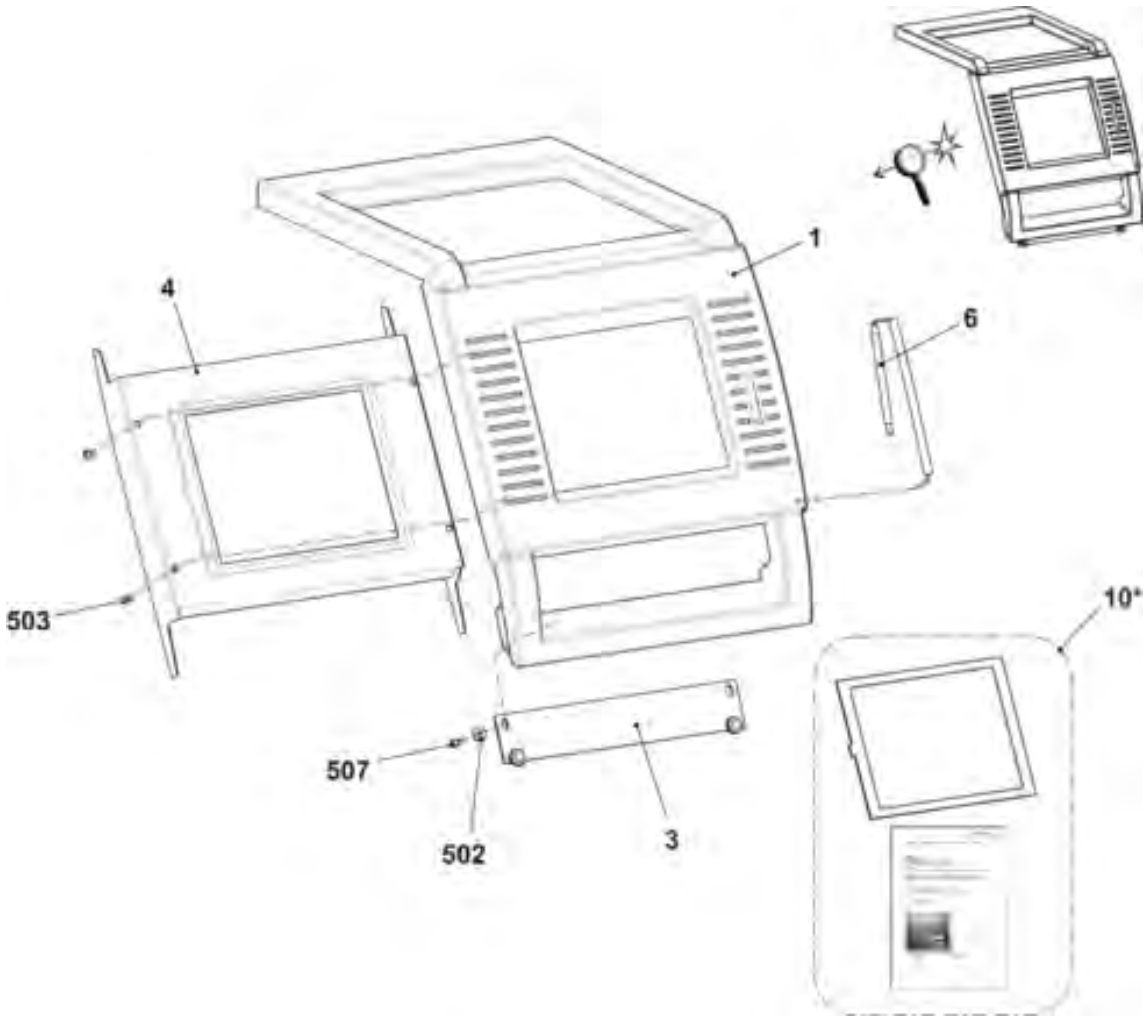
11 Operation and control



11.1 Input unit

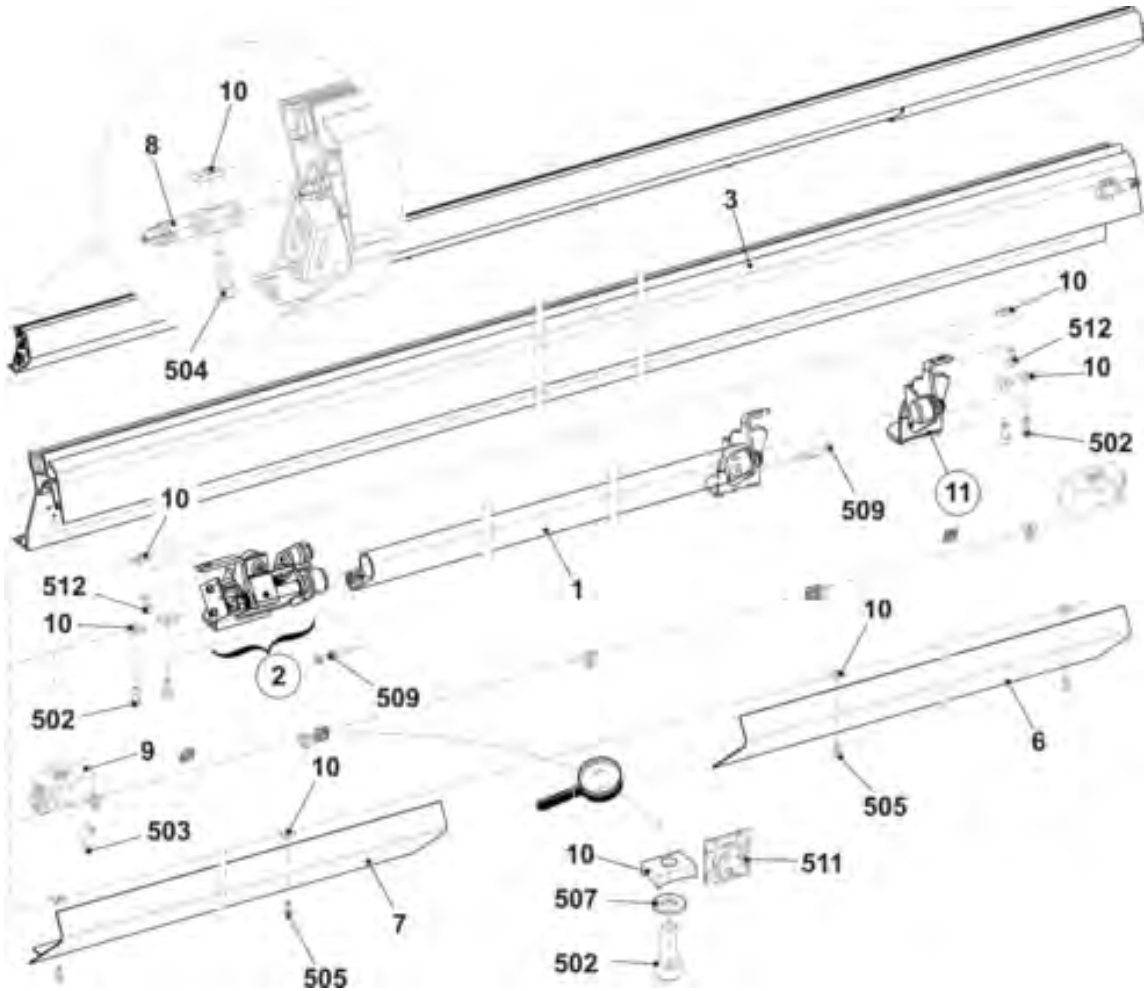
11.1 Input unit

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

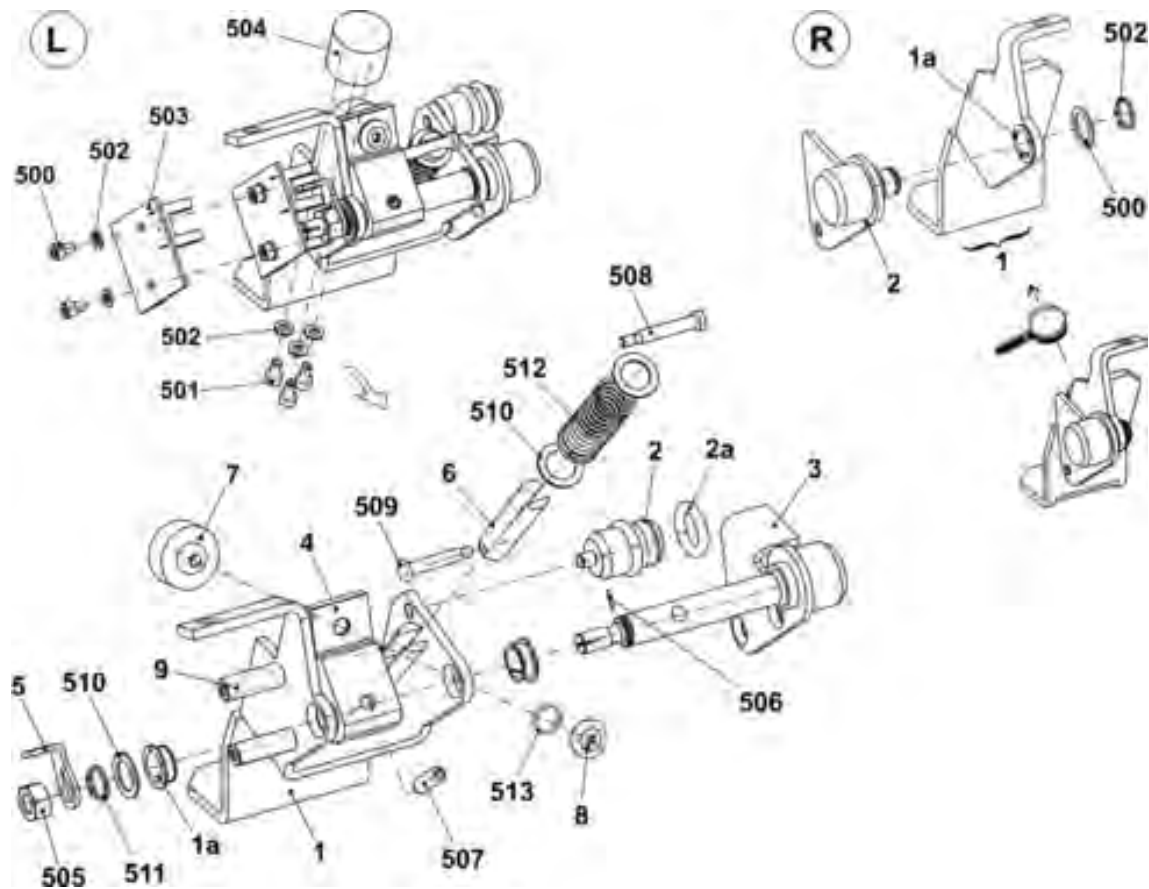
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Starting device complete	241 039	11	Bearing on the right complete	252 964
1	Engaging rod	241 030	502	Cap screw M6x16	020 135
2	Bearing on the left complete	250 071	503	Pan head screw M5x14	023 588
3	Guide rail at the bottom complete	257 540	504	Cap screw M6x20-12.9	020 136
6	Cover plate on the right	251 216	505	Cap screw M6x12	020 134
7	Cover plate on the left	251 217	507	Washer	020 872
8	Locating bolt	219 107	509	Screw M6x25	023 510
9	Switch with cable to safety doors	223 350	511	Cable holder	262 037
10	Sliding nut (slot nut)	225 099	512	Cap screw M6x10	023 690



11.2 Starting device

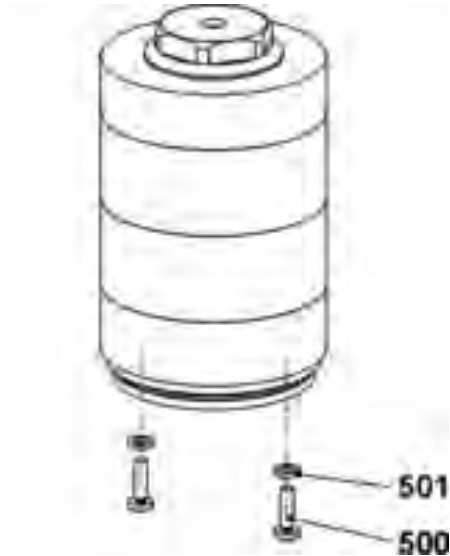
11.2.1 Bearing of the engaging rod

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 pin 1,5x8	236 923
2	Support of buffer	220 561	507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237	508	Shoulder screw M4x24,8x7,7	240 299
3	Shaft on the left	245 219	509	Shoulder screw	251 316
4	Rotor	253 776	510	Shim ring 12x18x1	023 315
5	Switch flag	245 220	511	Retaining ring 12x1	020 951
6	Spring mandrel	251 340	512	Compression spring 1,25x15x98,2	023 609
7	Disk	245 222	513	Compression spring 0,5x11x12	251 369
8	Shoulder screw	254 528			
9	Distance bolt	240 287	R	Bearing on the right complete	252 964
500	Cap screw M4x6	023 067	1	Bearing on the right	240 230
501	Cap screw M4x8	022 501	1a	Clip bearing MCM 12-04	023 639
502	Shim ring 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	259 000	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Retaining ring 12x1	020 951



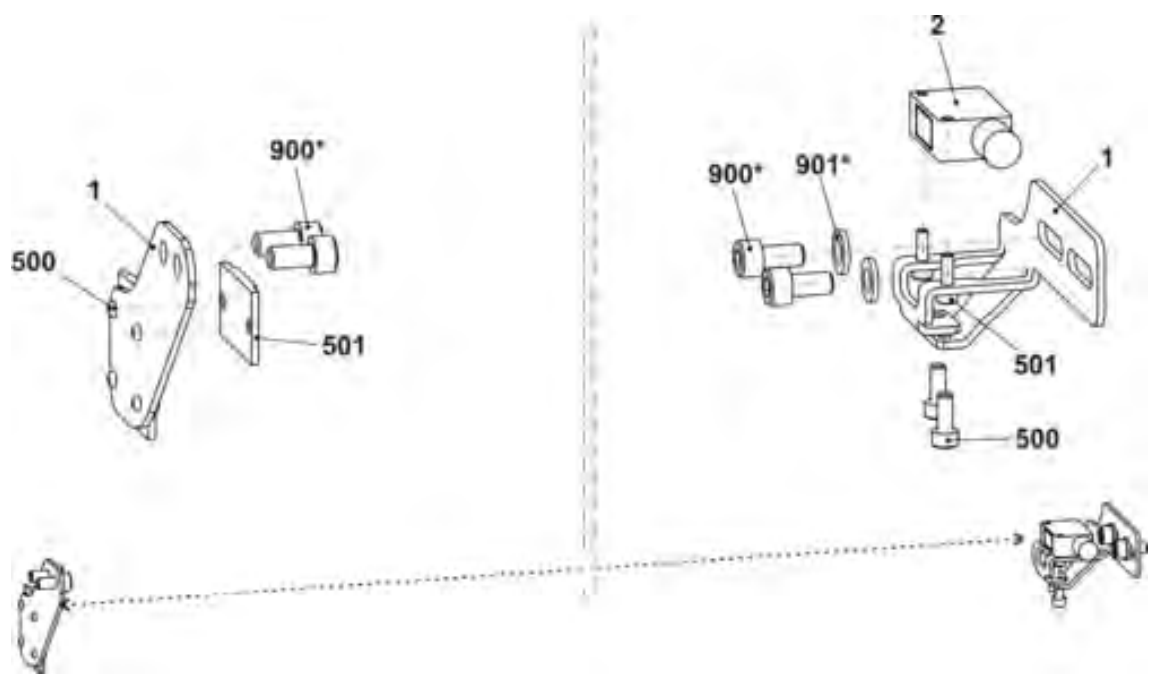
11.3 Signal light

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					



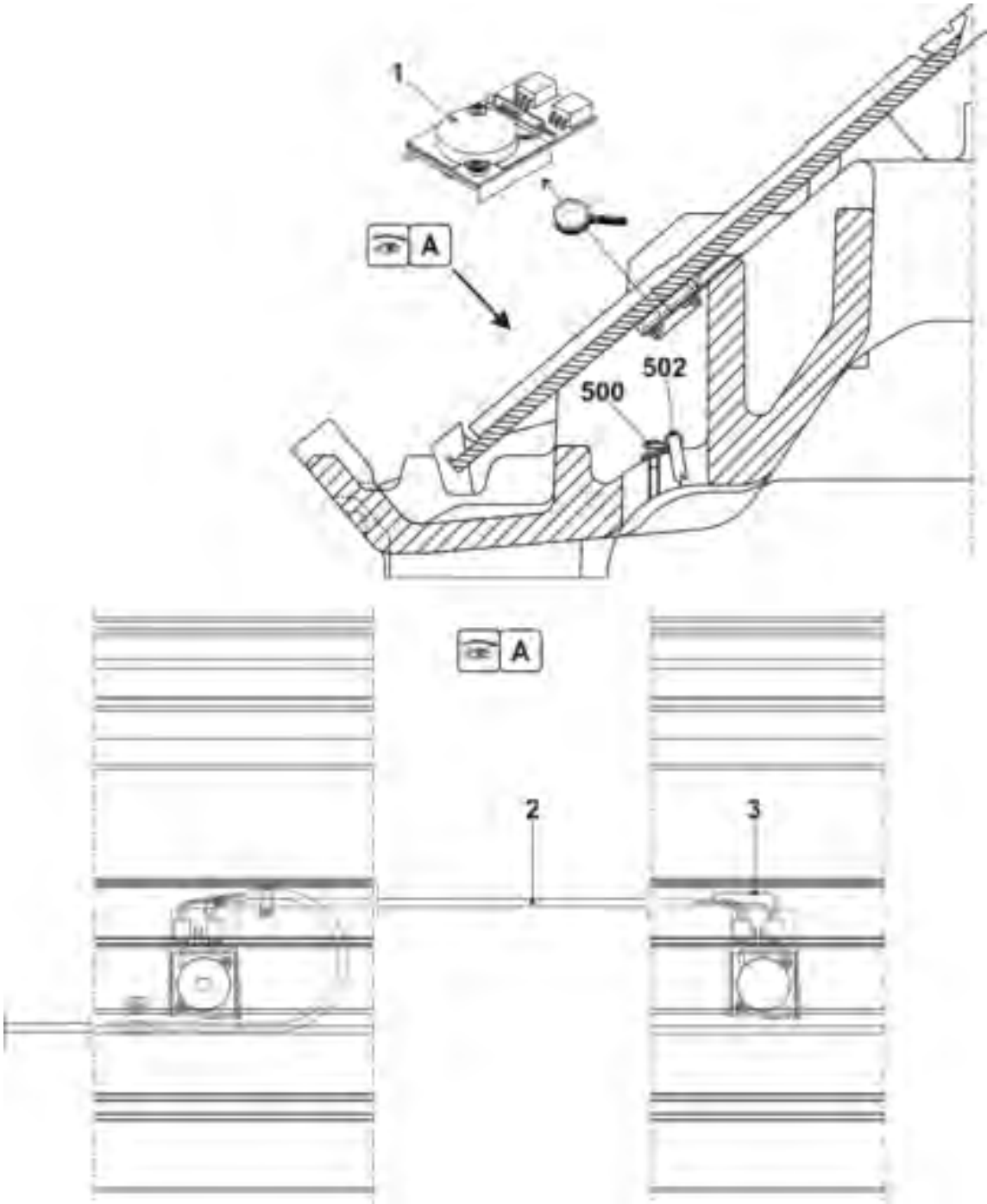
11.4 Collecting area - control

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Reflector complete	261 374		Σ	Holding angle light barrier	257 409
1	Mounting plate reflector	261 375		1	Holding angle	256 806
500	Blind rivet A3x8-Al	023 158		2	Light barrier W100-P4330	243 355
501	Reflector 20x20 mm	243 356		500	Cap screw M4x10	023 136
900*	Cap screw M6x12	020 134		501	Cap screw M3x10	022 991
				900*	Cap screw M6x12	020 134
				901*	Washer6	020 872



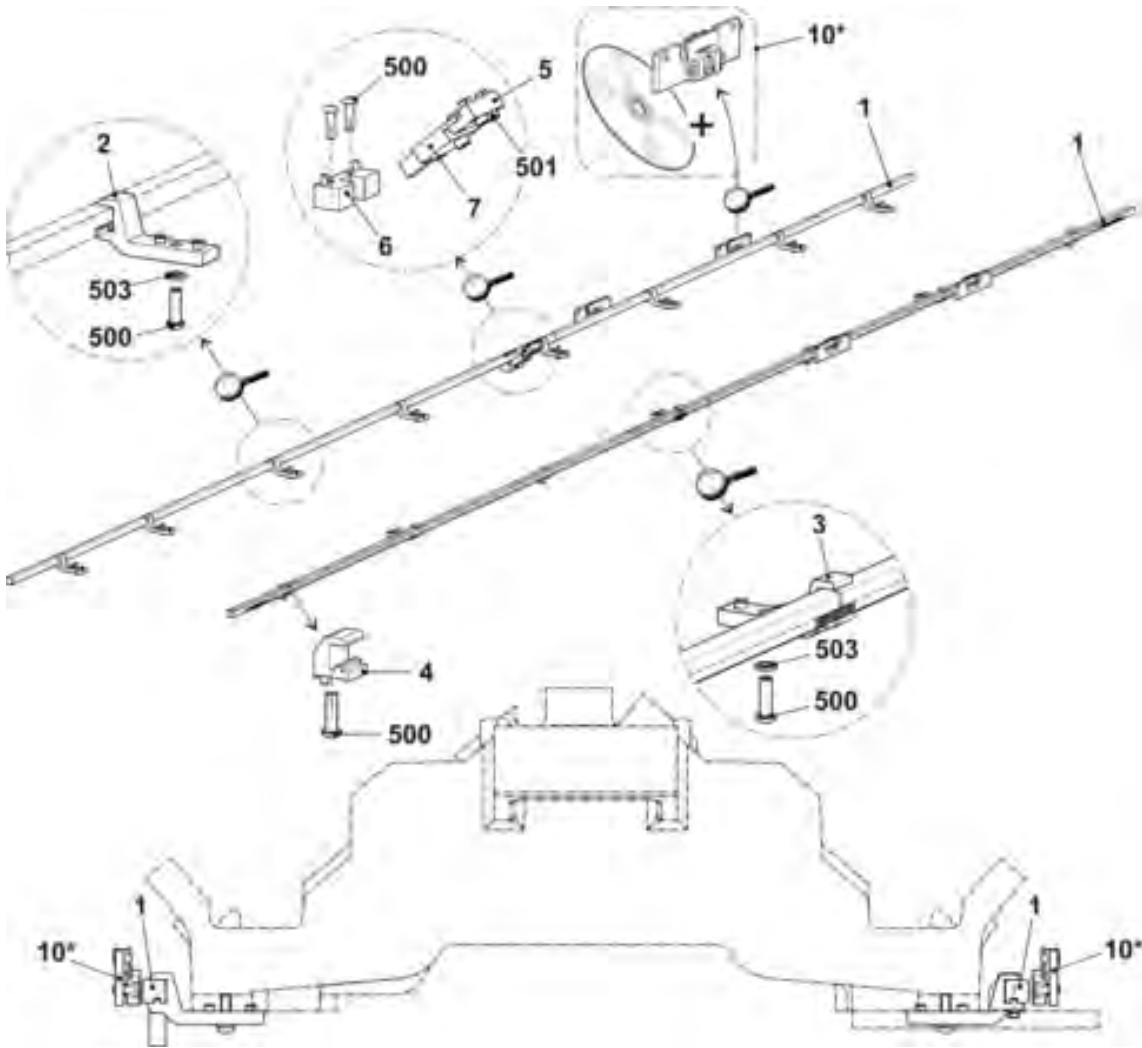
11.5 Shock stop motion

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Shock stop motion complete E3	223 947		3	End plug piezo sensor	220 053
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

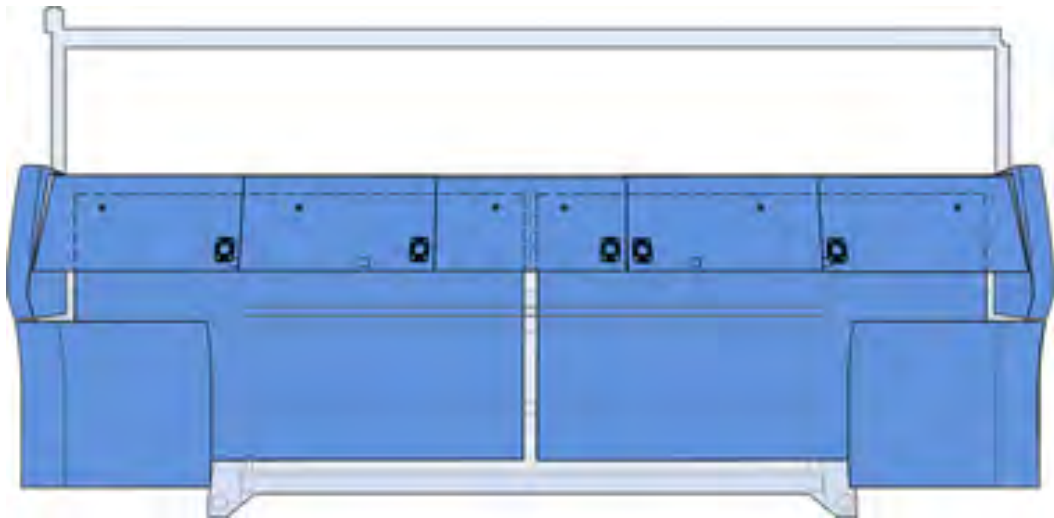


11.6 Measuring device

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Measuring device					
1	Measuring bar	258 308		7	Plunger	244 536
2	Guide	212 210		8	Shoulder screw	209 790
3	Guide	240 672		10*	Spare parts package impulse sensor GLM	259 613
4	Clamp	212 203		500	Pan head screw M6x20	241 603
5	Stop point	244 537		501	Cap screw M5x16	022 726
6	Bearing fork	244 535		503	Washer6	020 881



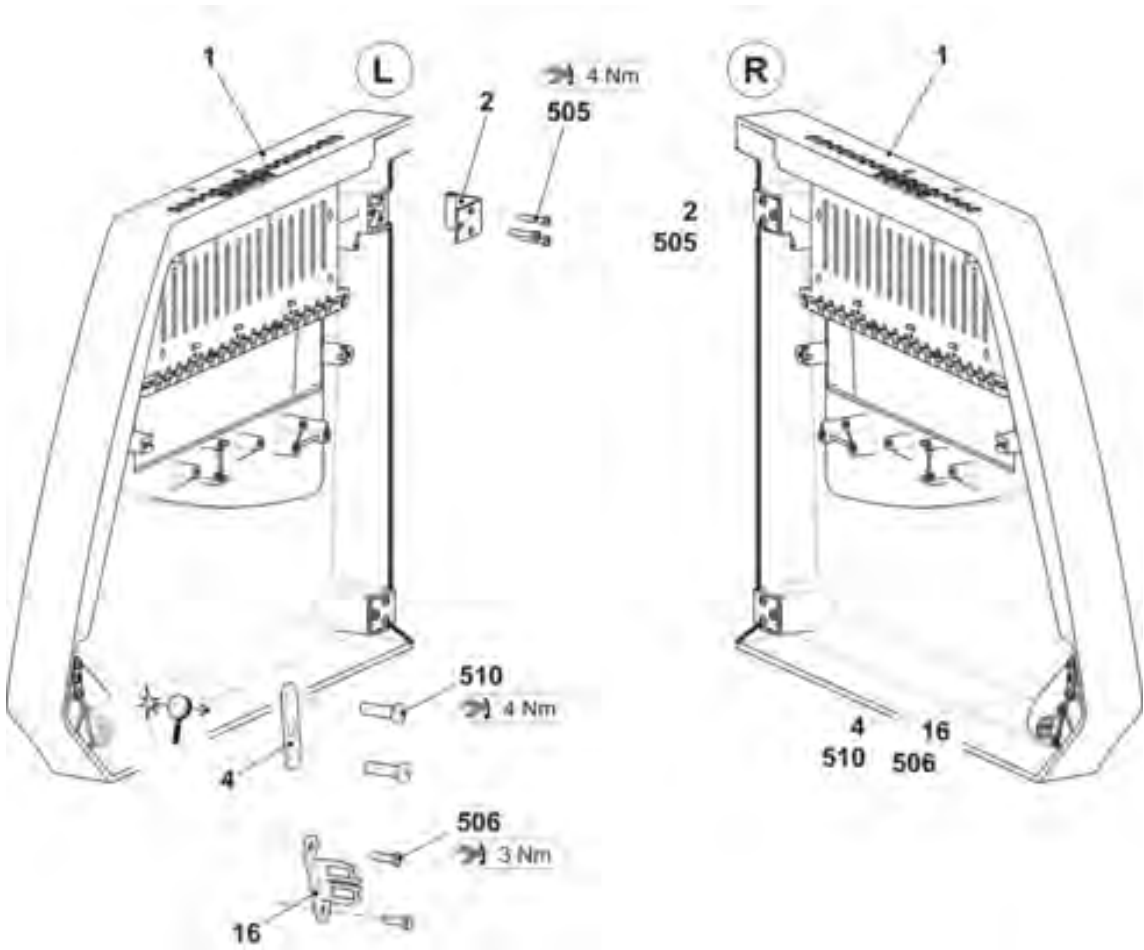
12 Protective devices



12.1 Lateral safety doors

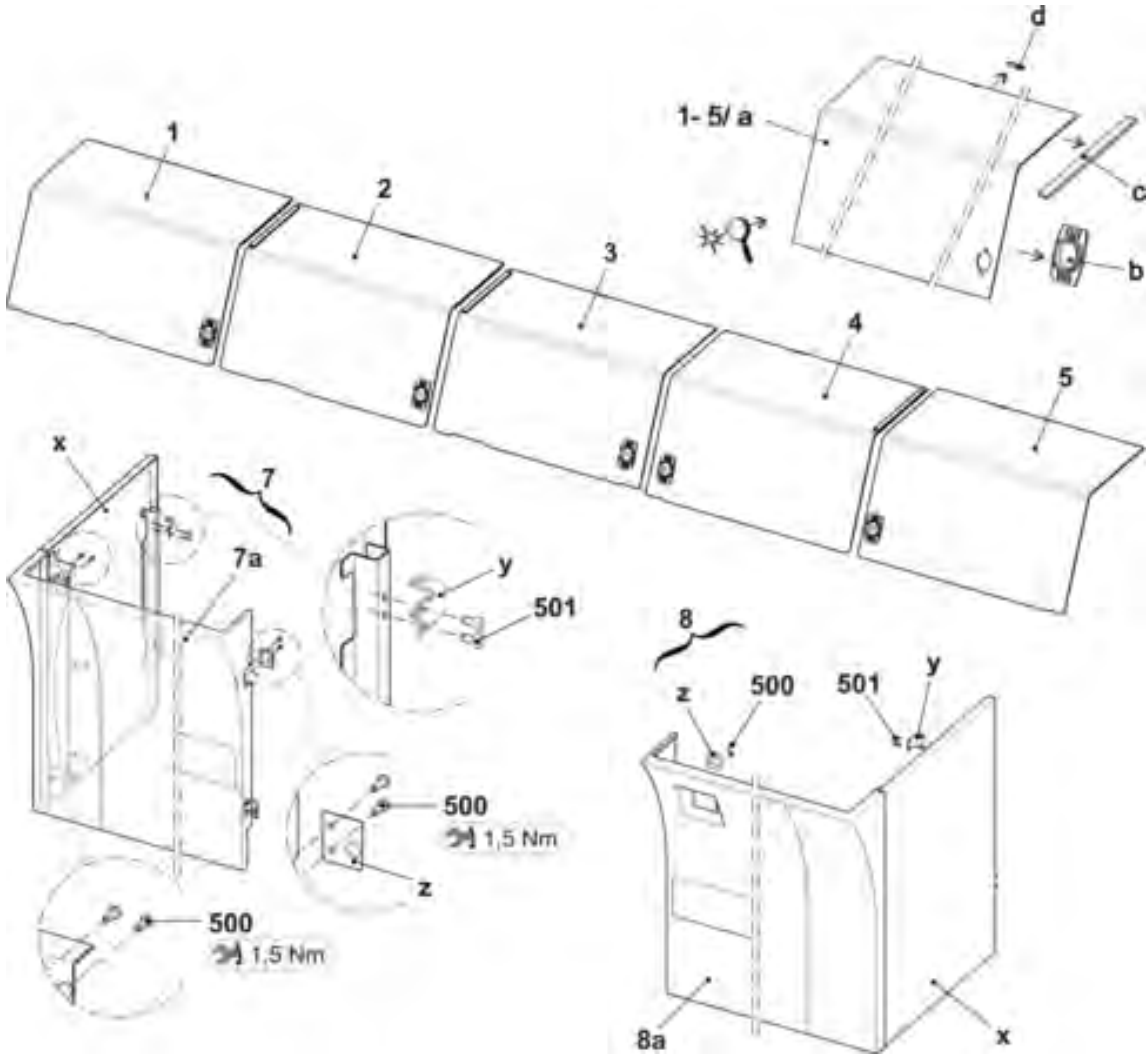
12.1 Lateral safety doors

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

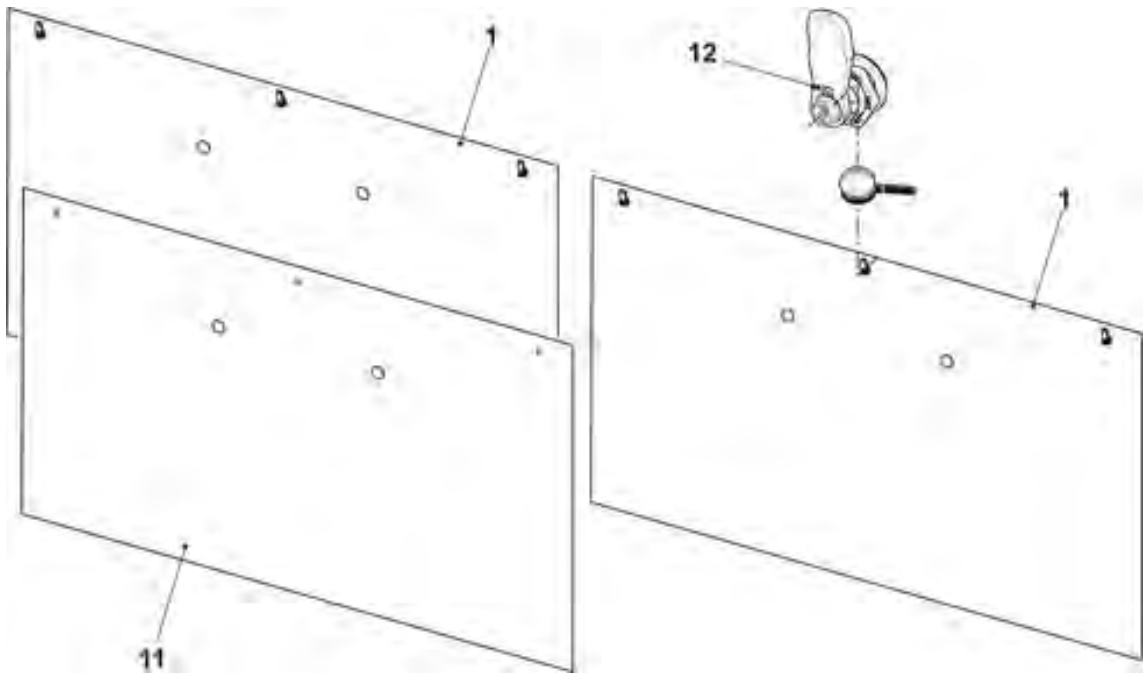
Pos	Designation		Id. no.		Pos	Designation		Id. no.
1	Cover 1 (complete)		257 532		1-5	b	Inlet type handle	251 376
	1a	Cover	257 527			c	Stripper	219 393
2	Cover 2 (complete)		257 533			d	Magnet	255 129
	2a	Cover 2	257 528		7	Control unit panelling on the left complete		251 237
3	Cover 3 (complete)		257 534			7a	Control unit panelling on the left	251 190
	3a	Cover 3	257 529		8	Control unit panelling on the right complete		251 238
4	Cover 4 (complete)		257 535			8a	Control unit panelling on the right	251 191
	4a	Cover 4	257 530		7-8	x	Side part	244 989
5	Cover 5 (complete)		257 536			y	Hinge	250 273
	5a	Cover 5	257 531			z	Bracket	240 412
						500	Screw KB 50x12	240 359
						501	Cap screw M6x16	020 135



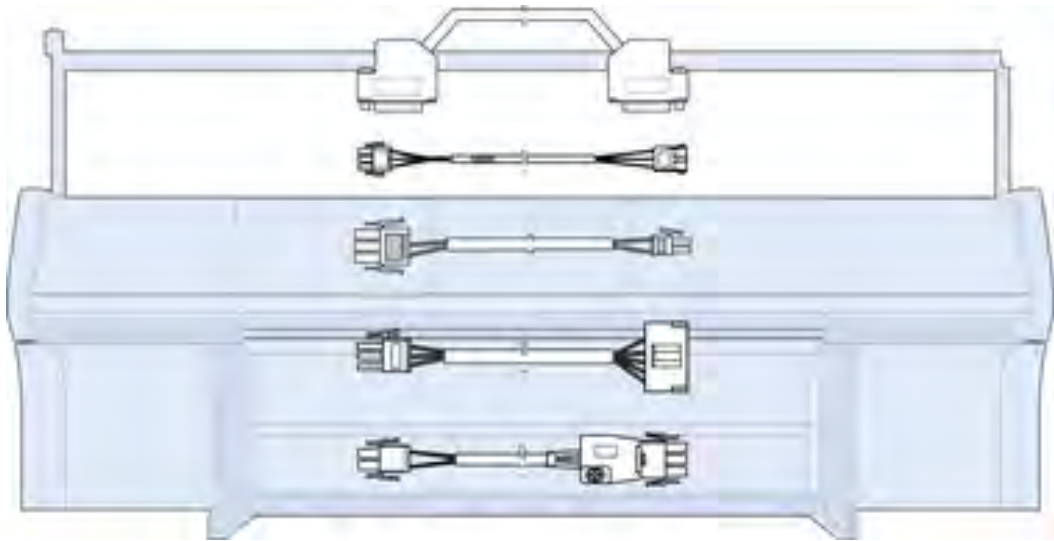
12.3 Rear panel

12.3 Rear panel

Pos	Designation	Id. no.		Pos	Designation	Id. no.
1	Panelling at the rear complete	257 670		11	Panelling	257 664
				12	Safety sash fastener	243 052

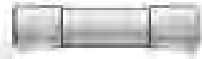


13 Electrical equipment



13.1 Fuses

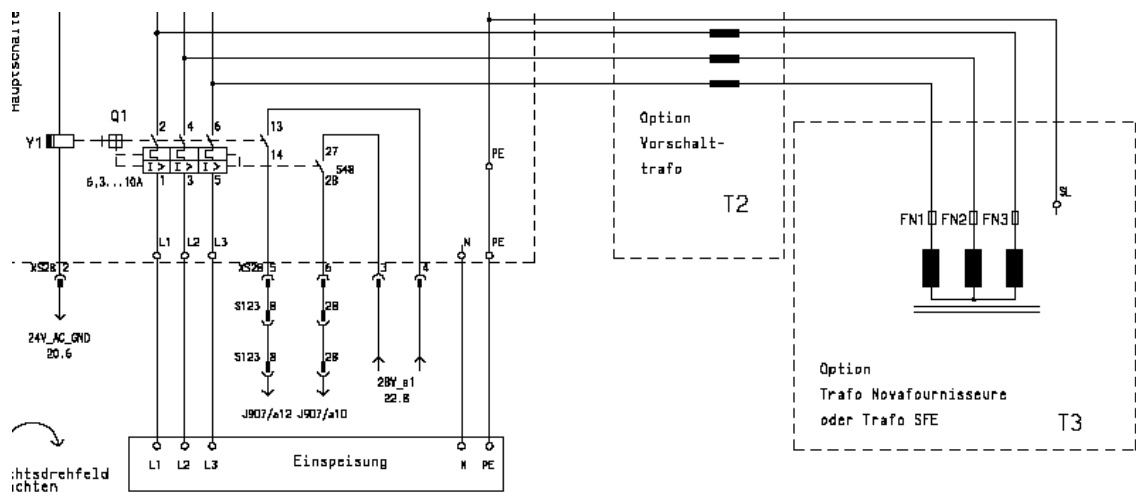
13.1 Fuses

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

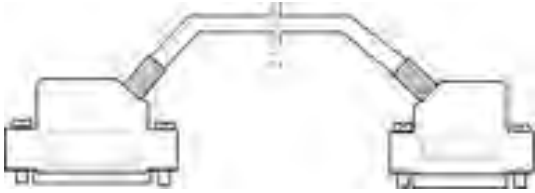
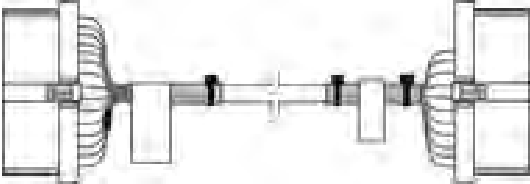
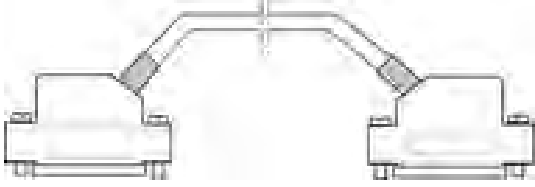
13.2 Circuit diagram (221) as PDF

Designation	ID	Marking
Circuit diagram 221 German	257 279	_DE
Circuit diagram 221 English	257 279	_GB
Circuit diagram 221 Chinese	257 279	_CN

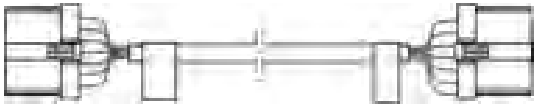
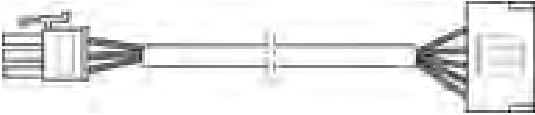
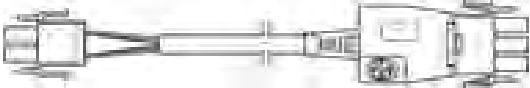
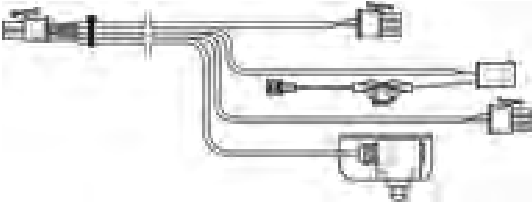
You will find the circuit diagram 221 on the CMS documentation DVD with the ID no.: 257 157



13.3 Trailing cable

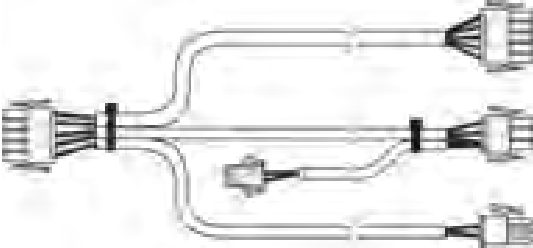
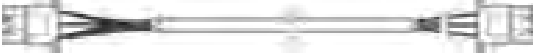
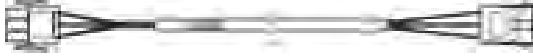
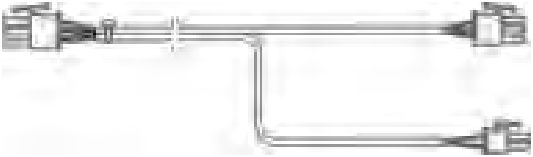
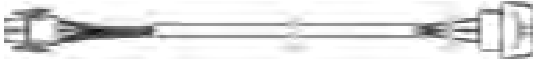
Designation	Id	Designation	Id
Σ Trailing cable set OKC 822 2IMP-2	259 304		
Cable impulse sensor 2 at the rear on the left XL138	259 367	Cable SM rear left XL321	255 195
Cable impulse sensor 2 at the front on the left XL139	259 368	Cable SM front left XL323	255 197
Cable impulse sensor 2 at the rear on the right XL136	259 369	Cable SM rear right XL325	255 199
Cable impulse sensor 2 at the front on the right XL137	259 370	Cable SM front right XL327	255 201
			
Cable yarn carrier on the left	242 289	Cable signal at the rear on the left XL322	255 196
Cable yarn carrier on the right	242 290	Cable signal front left XL324	255 198
		Cable signal at the rear on the right XL326	255 200
		Cable signal front right XL328	255 202
			

13.4 Cable

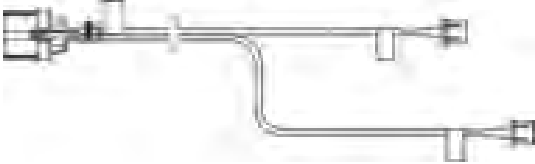
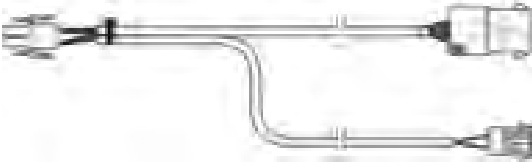
Designation	Id. no.	Designation	Id. no.
Cable Engaging rod OKC	240 289	Cable supply FKE lamp OKC	240 290
			
Cable protective device on the left OKC	253 442	Cable motor HIAB OKC	240 291
			
Cable racking limit switch OKC	240 292	Cable fan drive OKC	240 293
			
Cable Feed wheel on the right OKC	240 294	Cable drive motor OKC	240 295
Cable feed wheel on the left 84" OKC	240 466	Cable racking motor OKC	240 297
			
Cable resolver drive OKC	240 296	Cable protective device on the right OKC	253 441
Cable resolver racking OKC	240 298		
		Cable Electro 84" OKC	240 463
Cable CAN 84"	240 461		
			

13.5 Continuation of cable I

13.5 Continuation of cable I

Designation	Id. no.		Designation	Id. no.
Cable motor HIAB 84" OKC	242 226		Cable switch HIAB 84" OKC	242 227
				
Cable power supply WAZ/F 84" OKC	263 688		Cable power supply servo 84"	240 504
				
Cable power supply unit of mains supply OKC	240 505		Cable switch HAOS 84" OKC	242 229
				
Cable motor HAAB OEF/S 84"	242 228		Cable motor HIAB OKC	240 592
				
Cable switch HIAB OKC	240 593		Cable motor comb hookOKC	240 308
				

13.6 Continuation of cable II

Designation	Id. no.		Designation	Id. no.
Cable switch KAHA OKC	240 309		Cable motor combOKC	240 310
				
Cable switch comb OKC	240 311		Cable switch HAAB OKC	240 312
				
Cable piezo NB OKC	240 518		Cable power supply FLENT 84" OKC	251 243
				

13.6 Continuation of cable II

Notes:

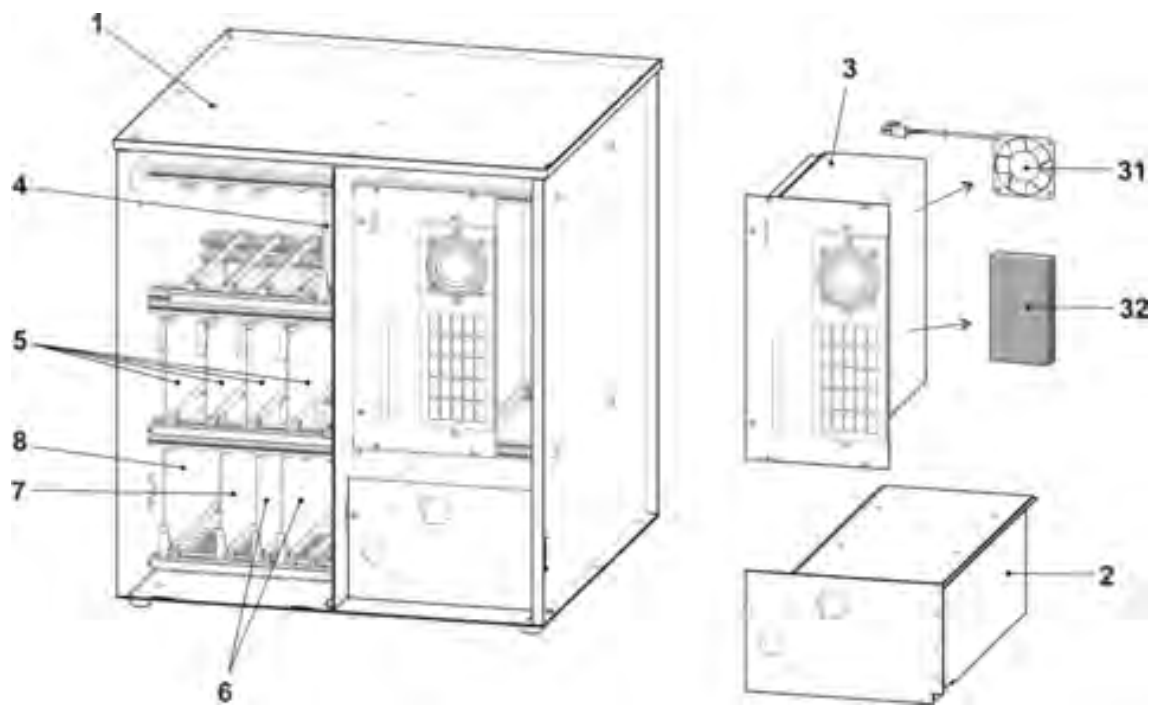
14 Control electronics



14.1 Left control cabinet

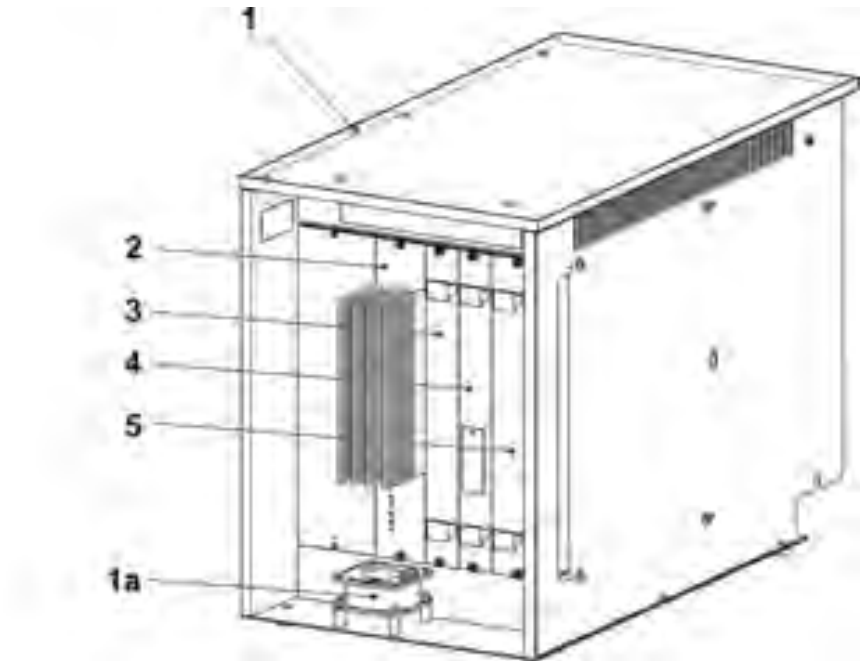
14.1 Left control cabinet

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Control unit on the left complete 822 5/6 inch	254 866				
1	Control unit on the left without any equipment	254 868		4	Card battery OKC	300 951
2	Battery plug-in unit	300 924		5	Card final stages 4SM 7TE	300 943
3	Power supply unit CG54	300 923		6	Card N-CPU 432	300 965
	31 Fan power supply unit	239 305		7	Card Power CPU B	301 009
	32 Filter pad CG54	239 350		8	Card IPC P8X B	301 010



14.2 Right control cabinet

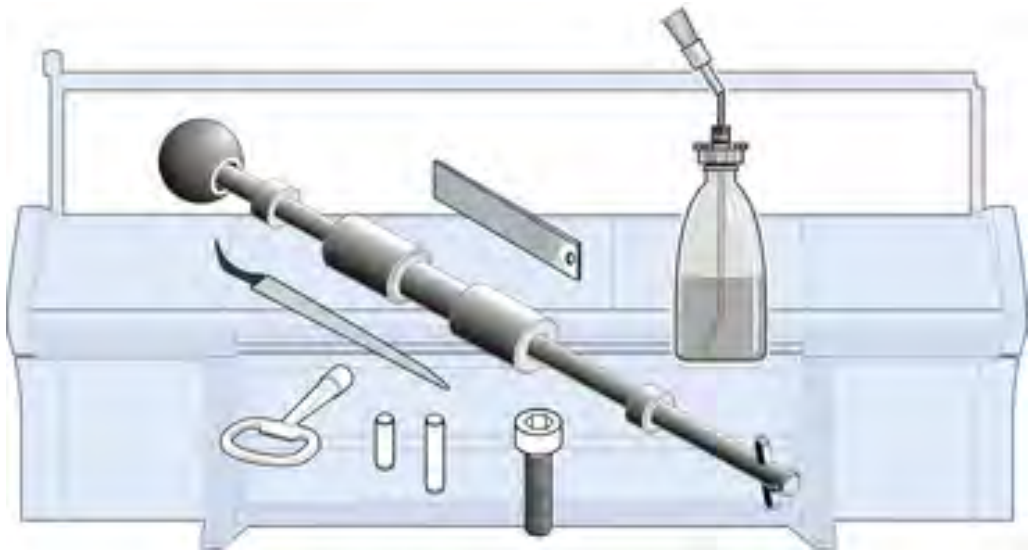
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Control unit on the right complete 2A PP	260 572				
1	Control unit on the right without any equipment	260 573		3	Card relay okc	300 953
1a	Axial flow fan Servo 5	229 059		4	Card CWAZ	300 929
2	Card Servo 6	301 000		5	Capacitor card CWAZ	300 936



14.2 Right control cabinet

Notes:

15 Deliverable accessories



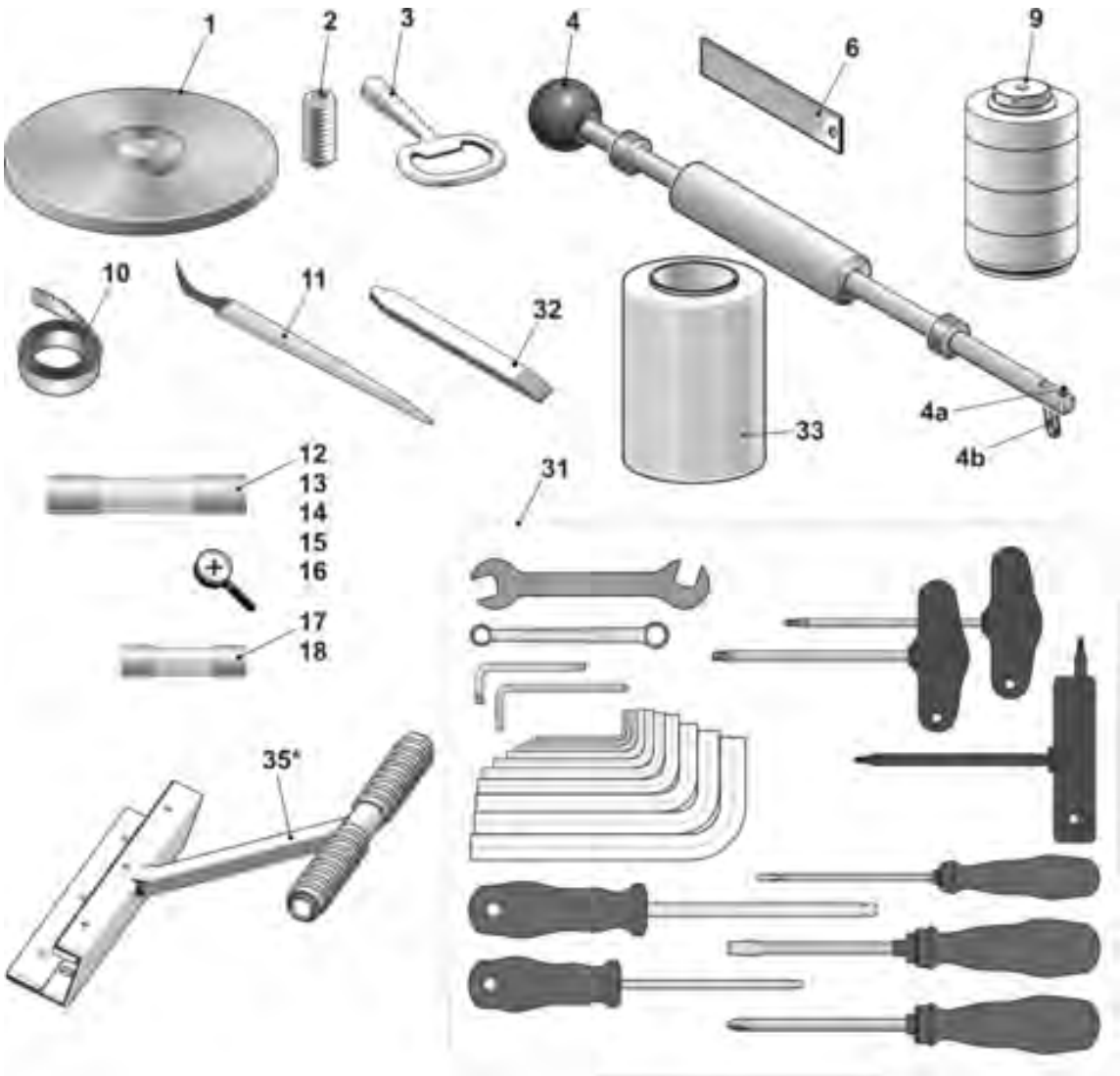
15.1 Fuses

15.1 Fuses

	Designation	ID
	Micro fuse F1,0 A	008 748
	Fuse 3,15 A T/440V 6,3x3,2Fuse	025 261
	Fuse 10 A T/440V 6,3x3,2Fuse	025 258
	Fuse 2,5 A T/440V 6,3x3,2Fuse	217 465
	Fuse 1,6 A T/440V 6,3x3,2Fuse	236 229
	Fuse 6,3 A T/440V 6,3x3,2Fuse	026 809
	Fuse 8 A T/440V 6,3x3,2Fuse	241 866
	Fuse 12,5 A TT 6,3x3,2Fuse	232 367

15.2 Tool

Pos	Designation	Id	Pos	Designation	Id
1	Shim	056 569			
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	Pencil	232 022	17	Fuse 1,6A T 5x20	008 715
6	Rasp	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	32	Channel chisel E14-20 (E5-14)	062 316
11	Working hook	227 249	33	Elastic thread	209 266
12	Fuse 3,15A T/440V 6,3x32	025 261	35*	Device needle bed complete	263 625



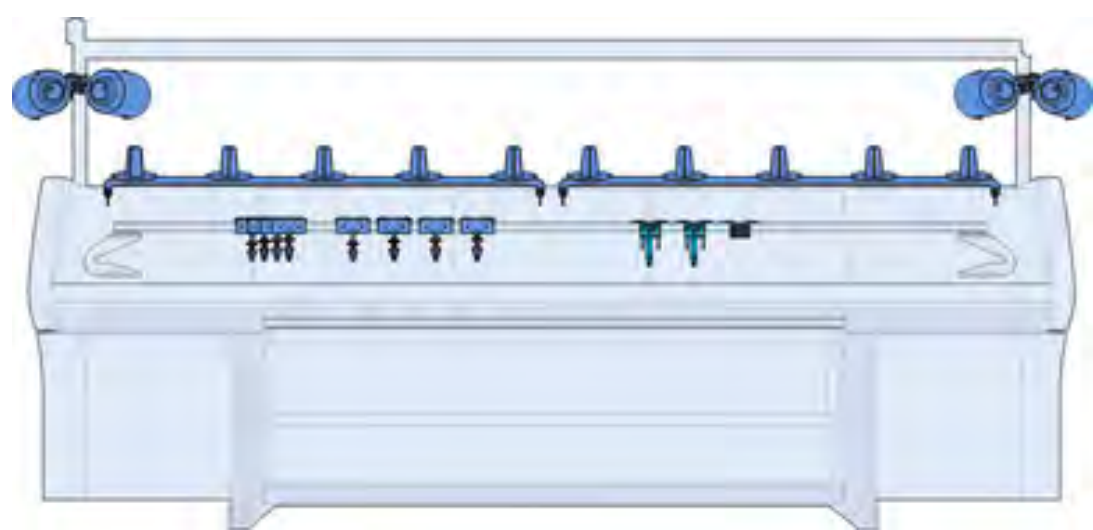
15.3 Lubricating stuff

15.3 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

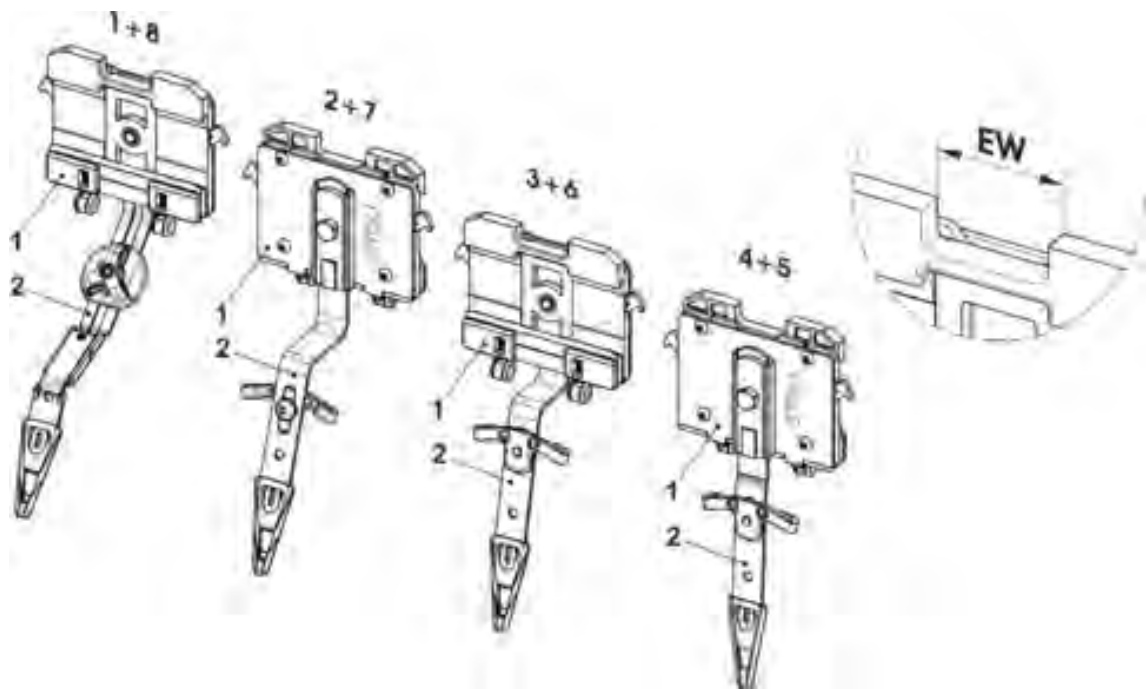


16 Special attachments



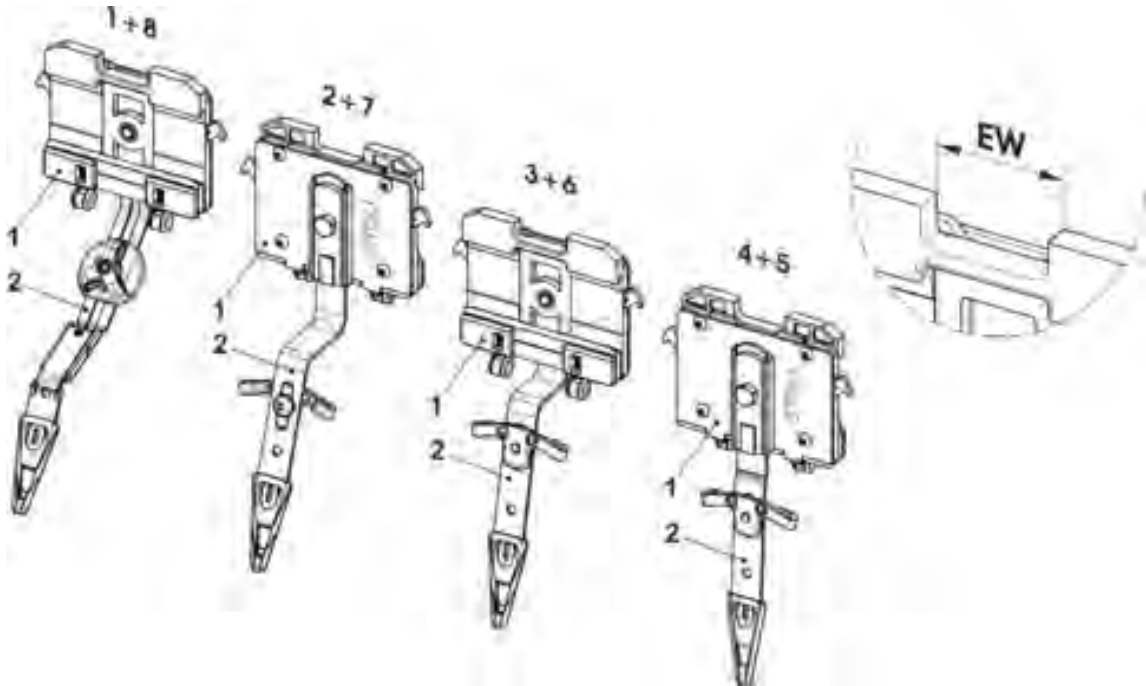
16.1 Yarn carrier type 2, E5 | E2,5.2 | E3,5.2 | E5.2

Track	Pos	Designation	Id		Track	Track		Id
1+8		FF carriage 1+8 complete EW 23	260 008		3+6		FF carriage 3+6 complete EW 23	260 010
	1	FF carriage EW 23	258 326			1	FF carriage EW 23	258 326
	2	FF bow 1+8 complete E5	259 935			2	FF bow 3+6 complete E5	259 937
		FF carriage 1+8 complete EW 29	260 023				FF carriage 3+6 complete EW 29	260 025
	1	FF carriage EW 29	259 034			1	FF carriage EW 29	259 034
	2	FF bow 1+8 complete E5	259 935			2	FF bow 3+6 complete E5	259 937
		FF carriage 1+8 complete EW 43	260 027				FF carriage 3+6 complete EW 43	260 029
	1	FF carriage EW 43	259 923			1	FF carriage EW 43	259 923
	2	FF bow 1+8 complete E5	259 935			2	FF bow 3+6 complete E5	259 937
		FF carriage 1+8 complete EW 46	260 031				FF carriage 3+6 complete EW 46	260 033
	1	FF carriage EW 46	258 912			1	FF carriage EW 46	258 912
	2	FF bow 1+8 complete E5	259 935			2	FF bow 3+6 complete E5	259 937
2+7		FF carriage 2+7 complete EW 23	260 009		4+5		FF carriage 4+5 complete EW 23	260 011
	1	FF carriage EW 23	258 326			1	FF carriage EW 23	258 326
	2	FF bow 2+7 complete E5	259 936			2	FF bow 4+5 complete E5	259 938
		FF carriage 2+7 complete EW 29	260 024				FF carriage 4+5 complete EW 29	260 026
	1	FF carriage EW 29	259 034			1	FF carriage EW 29	259 034
	2	FF bow 2+7 complete E5	259 936			2	FF bow 4+5 complete E5	259 938
		FF carriage 2+7 complete EW 43	260 028				FF carriage 4+5 complete EW 43	260 030
	1	FF carriage EW 43	259 923			1	FF carriage EW 43	259 923
	2	FF bow 2+7 complete E5	259 936			2	FF bow 4+5 complete E5	259 938
		FF carriage 2+7 complete EW 46	260 032				FF carriage 4+5 complete EW 46	260 034
	1	FF carriage EW 46	258 912			1	FF carriage EW 46	258 912
	2	FF bow 2+7 complete E5	259 936			2	FF bow 4+5 complete E5	259 938



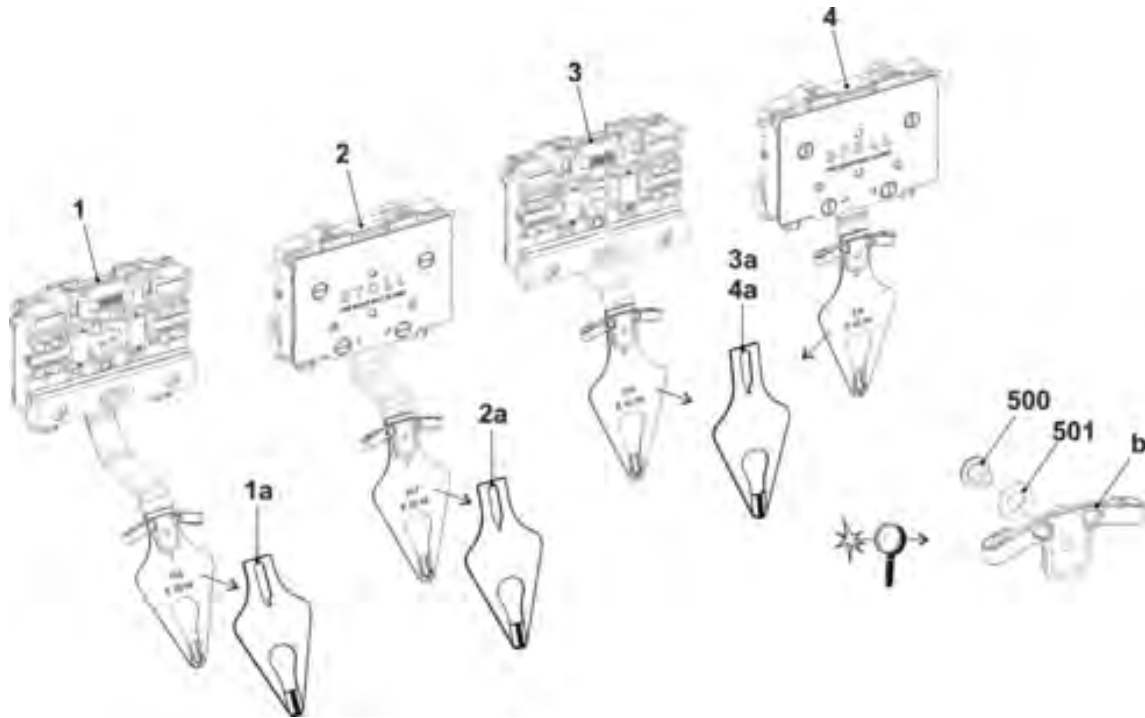
16.2 Yarn carrier type 2, E7 | E8 | E6.2

Track	Pos	Designation	Id		Track	Pos		Id
1+8		FF carriage 1+8 complete EW 23	260 035		3+6		FF carriage 3+6 complete EW 23	260 037
	1	FF carriage EW 23	258 326			1	FF carriage EW 23	258 326
	2	FF bow 1+8 complete E7-8	259 939			2	FF bow 3+6 complete E7-8	259 942
		FF carriage 1+8 complete EW 29	260 012				FF carriage 3+6 complete EW 29	260 014
	1	FF carriage EW 29	259 034			1	FF carriage EW 29	259 034
	2	FF bow 1+8 complete E7-8	259 939			2	FF bow 3+6 complete E7-8	259 942
		FF carriage 1+8 complete EW 43	260 039				FF carriage 3+6 complete EW 43	260 041
	1	FF carriage EW 43	259 923			1	FF carriage EW 43	259 923
	2	FF bow 1+8 complete E7-8	259 939			2	FF bow 3+6 complete E7-8	259 942
		FF carriage 1+8 complete EW 46	260 043				FF carriage 3+6 complete EW 46	260 045
	1	FF carriage EW 46	258 912			1	FF carriage EW 46	258 912
	2	FF bow 1+8 complete E7-8	259 939			2	FF bow 3+6 complete E7-8	259 942
2+7		FF carriage 2+7 complete EW 23	260 036		4+5		FF carriage 4+5 complete EW 23	260 038
	1	FF carriage EW 23	258 326			1	FF carriage EW 23	258 326
	2	FF bow 2+7 complete E7-8	259 941			2	FF bow 4+5 complete E7-8	259 943
		FF carriage 2+7 complete EW 29	260 013				FF carriage 4+5 complete EW 29	260 015
	1	FF carriage EW 29	259 034			1	FF carriage EW 29	259 034
	2	FF bow 2+7 complete E7-8	259 941			2	FF bow 4+5 complete E7-8	259 943
		FF carriage 2+7 complete EW 43	260 040				FF carriage 4+5 complete EW 43	260 042
	1	FF carriage EW 43	259 923			1	FF carriage EW 43	259 923
	2	FF bow 2+7 complete E7-8	259 941			2	FF bow 4+5 complete E7-8	259 943
		FF carriage 2+7 complete EW 46	260 044				FF carriage 4+5 complete EW 46	260 046
	1	FF carriage EW 46	258 912			1	FF carriage EW 46	258 912
	2	FF bow 2+7 complete E7-8	259 941			2	FF bow 4+5 complete E7-8	259 943



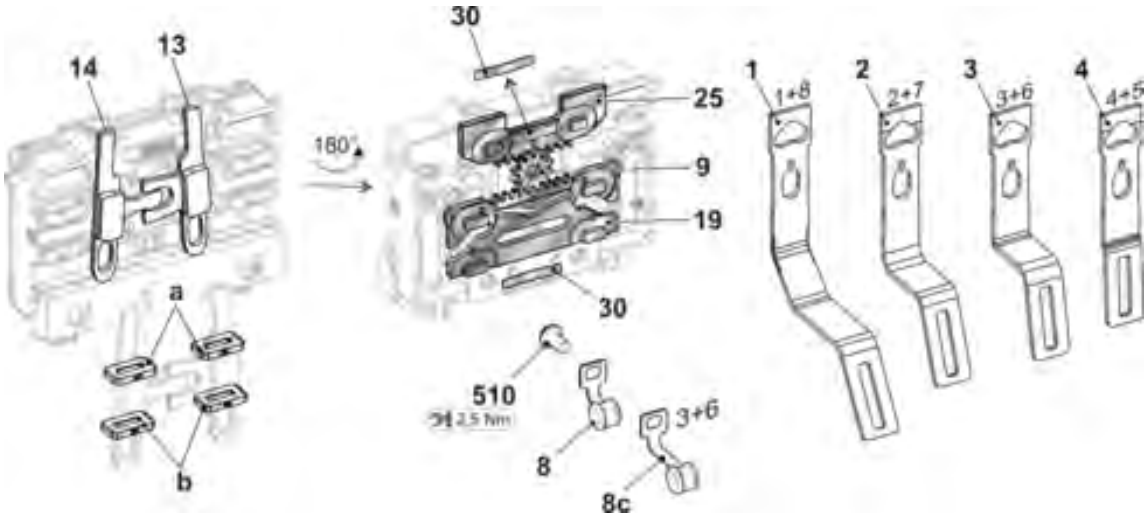
16.3 Intarsia yarn carrier type 2, Overview

Pos	Designation	Id		Pos	Designation	Id
1	IFF carriage complete1+8 E5	259 732		1a	YC head 1+8 completeE5	244 076
	IFF carriage complete1+8 E7-8	259 736			YC head 1+8 completeE7-8	244 082
	IFF carriage complete1+8 E10-14	259 740			YC head 1+8 completeE10-14	260 612
	IFF carriage complete1+8 E16-18	259 744			YC head 1+8 completeE16-18	261 516
2	IFF carriage complete 2+7 E5	259 733		2a	YC head 2+7 completeE5	244 077
	IFF carriage complete 2+7 E7-8	259 737			YC head 2+7 completeE7-8	244 083
	IFF carriage complete 2+7 E10-14	259 741			YC head 2+7 completeE10-14	260 614
	IFF carriage complete 2+7 E16-18	259 745			YC head 2+7 completeE16-18	261 517
3	IFF carriage complete 3+6 E5	259 734		3a 4a	YC head 3-6 completeE5	244 078
	IFF carriage complete 3+6 E7-8	259 738			YC head 3-6 completeE7-8	244 084
	IFF carriage complete 3+6 E10-14	259 742			YC head 3-6 completeE10-14	260 610
	IFF carriage complete 3+6 E16-18	259 746			YC head 3-6 completeE16-18	261 518
4	IFF carriage 4+5 complete E5	259 735		500	Pan head screw M4x5	239 549
	IFF carriage 4+5 complete E7-8	259 739		501	Washer	020 870
	IFF carriage 4+5 complete E10-14	259 743		b	Yarn guide angle	242 863
	IFF carriage 4+5 complete E16-18	259 747				



16.3.1 Continuation Intarsia yarn carrier type 2

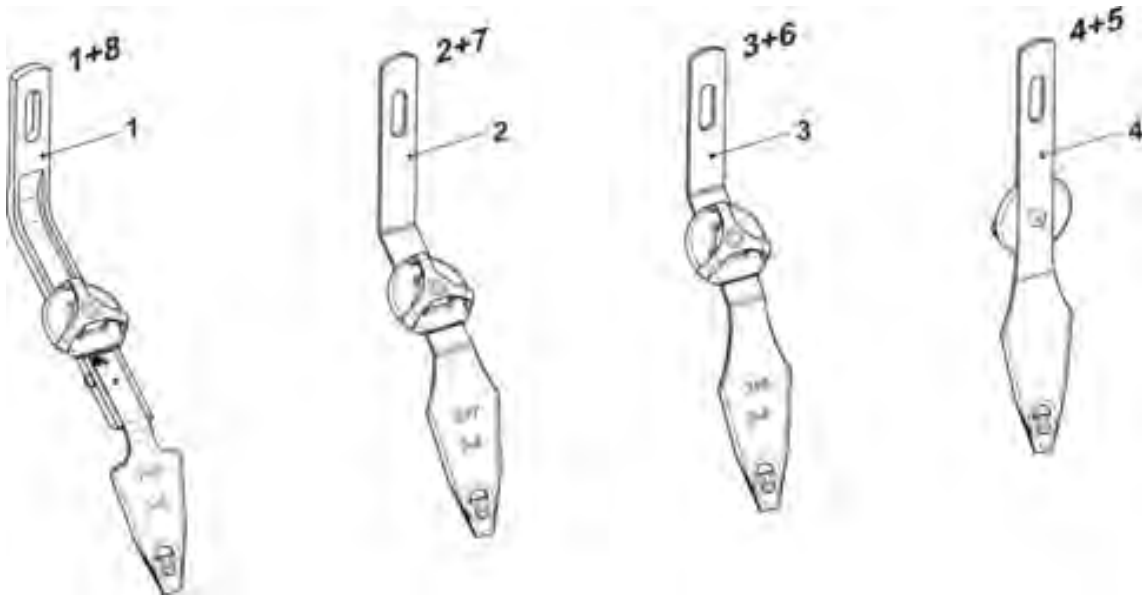
Pos	Designation	Id		Pos	Designation	Id
Σ	IFF carriage 1+8	259 728		1	FF bow 1+8	259 719
	IFF carriage 2+7	259 729		2	FF bow 2+7	259 720
	IFF carriage 3+6	259 730		3	FF bow 3+6	259 721
	IFF carriage 4+5	259 731		4	FF bow 4+5	259 722
8	Eyelet holder complete	260 702		a	Pressure plate 2,02 H	262 433
8c	Eyelet holder complete	260 700			Pressure plate 2,04 H	262 434
9	Gear wheel	244 031		b	Pressure plate 2,02 H	262 572
13	Clamping lever on the rightH3	262 019			Pressure plate 2,04 H	262 573
14	Clamping lever on the leftH3	262 018			Pressure plate 2,06 H	262 574
19	Slider at the bottom	259 653			Pressure plate 2,08 H	262 576
25	Slider	260 548		510	Pan head screw M4x8	023 579
30	Leaf spring	260 527				



16.4 FF bow E2,5.2m.4L

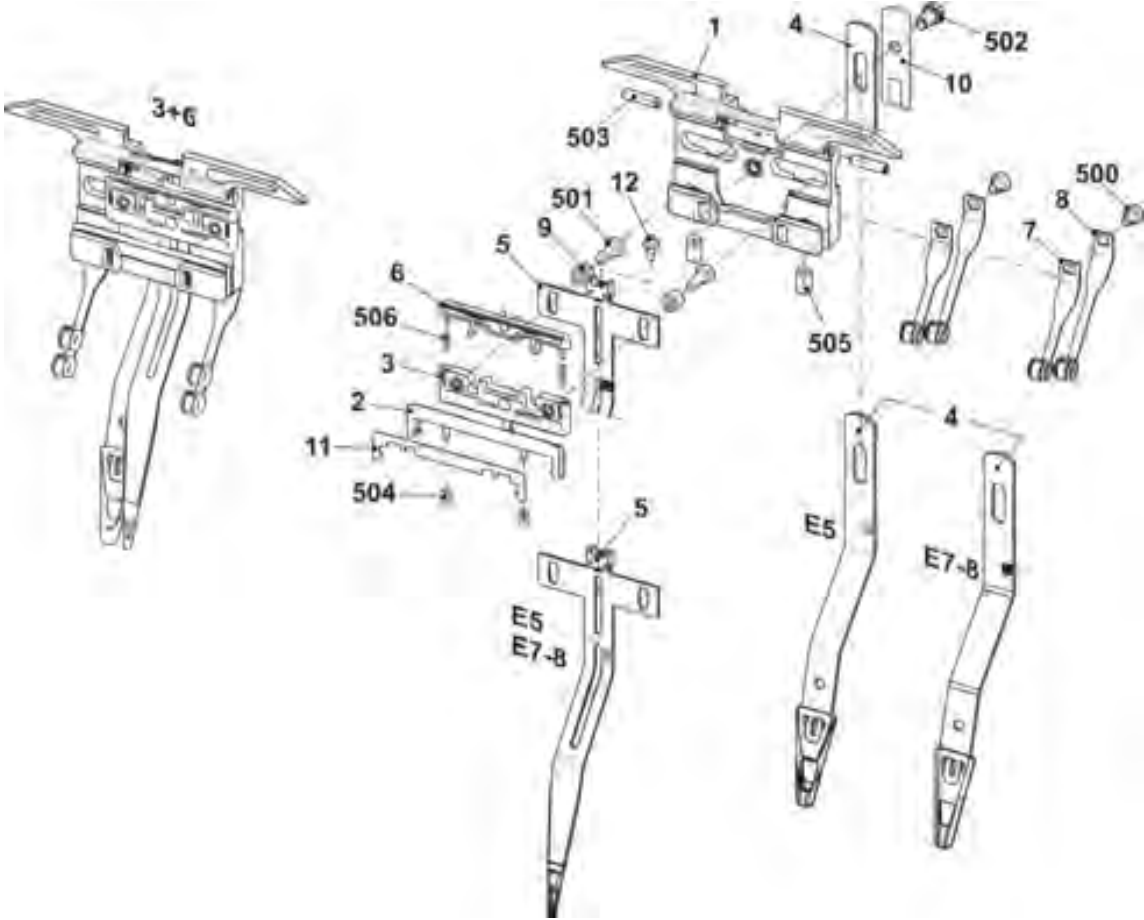
16.4 FF bow E2,5.2m.4L

Pos	Designation	Id		Pos	Designation	Id
1	FF bow 1+8 complete E3-4	261 546		3	FF bow 3+6 complete E3-4	261 136
2	FF bow 2+7 complete E3-4	261 547		4	FF bow 4+5 complete E3-4	261 137



16.5 Plating yarn carrier 3+6

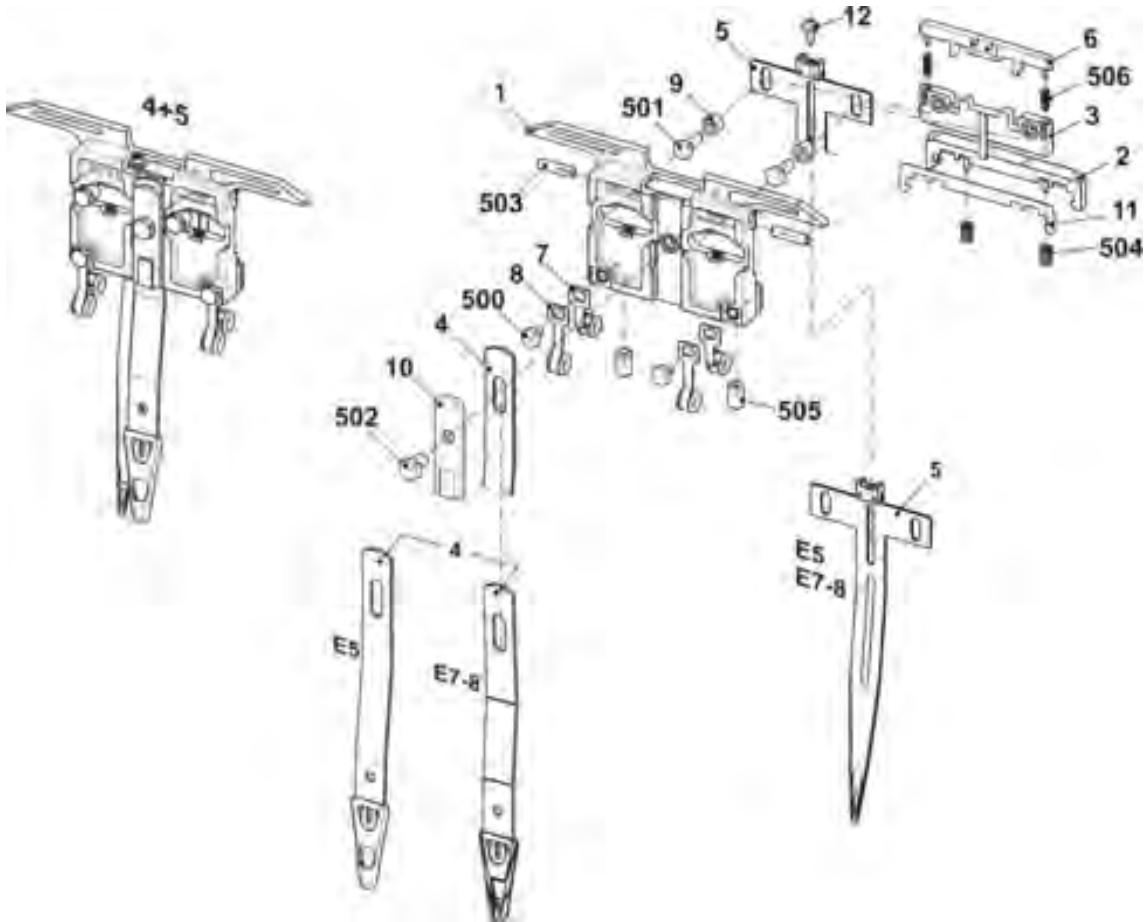
Pos	Designation	Id		Pos	Designation	Id
Σ	Plating yarn carrier carriage 3+6 complete			8	Eyelet holder complete	252 824
	E5 E2,5.2 E3,5.2 E5.2	252 782		9	Distance bushing	252 796
	E7 E8	252 784		10	Shim	213 035
1	Plating yarn carrier carriage	252 806		11	Shim	216 143
2	Sliding piece	212 583		12	Adjusting screw	253 436
3	Slider	252 798		500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 3+6			501	Hexagon screwM4x10	020 346
	E5	252 820		502	Hexagon screw	252 832
	E7-8	252 821		503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 3+6 E5-8	252 800		504	Compression spring	021 399
6	Sliding piece	252 797		505	Threaded bolt	213 399
7	Eyelet holder complete	252 825		506	Compression spring	253 058



16.6 Plating yarn carrier 4+5

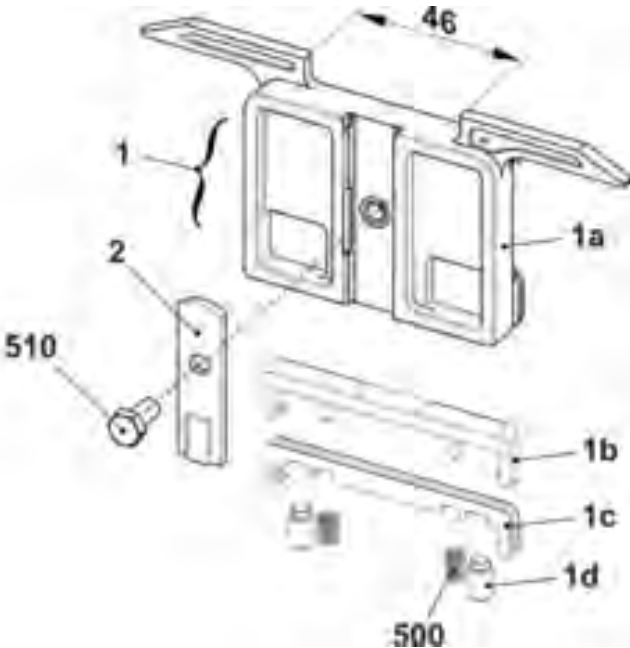
16.6 Plating yarn carrier 4+5

Pos	Designation	Id		Pos	Designation	Id
Σ	Plating yarn carrier carriage 4+5 complete			8	Eyelet holder complete	252 816
	E5 E2,5.2 E3,5.2 E5.2	252 781		9	Distance bushing	252 796
	E7 E8	252 783		10	Shim	213 035
1	Plating yarn carrier carriage	252 806		11	Shim	216 143
2	Sliding piece	212 583		12	Adjusting screw	253 436
3	Slider	252 798		500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 4+5			501	Hexagon screwM4x10	020 346
	E5	252 790		502	Hexagon screw	252 832
	E7-8	252 791		503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 4+5 E5-8	252 799		504	Compression spring	021 399
6	Sliding piece	252 797		505	Threaded bolt	213 399
7	Eyelet holder complete	252 815		506	Compression spring	253 058



16.7 Carriage of plating yarn carrier EW 46

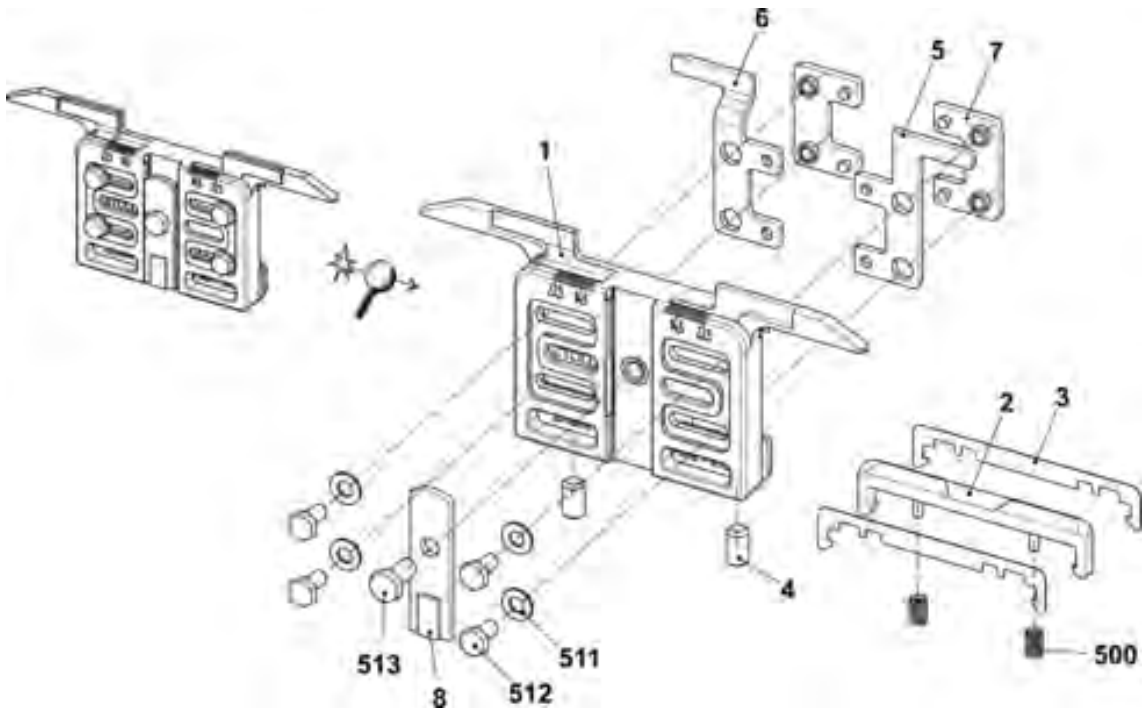
Pos	Designation		Id		Pos	Designation		Id
B	Plating FF carriage complete EW 46		244 998					
1	FF carriage EW 46		244 253			1d	Threaded bolt	213 399
	1a	FF carriage	243 881			500	Compression spring 4,0x0,55x11	021 399
	1b	Sliding piece	212 583		2	Shim		213 035
	1c	Shim	216 143		510	Hexagon screw M5x10		020 351



16.8 Carriage of plating yarn carrier (adjustable)

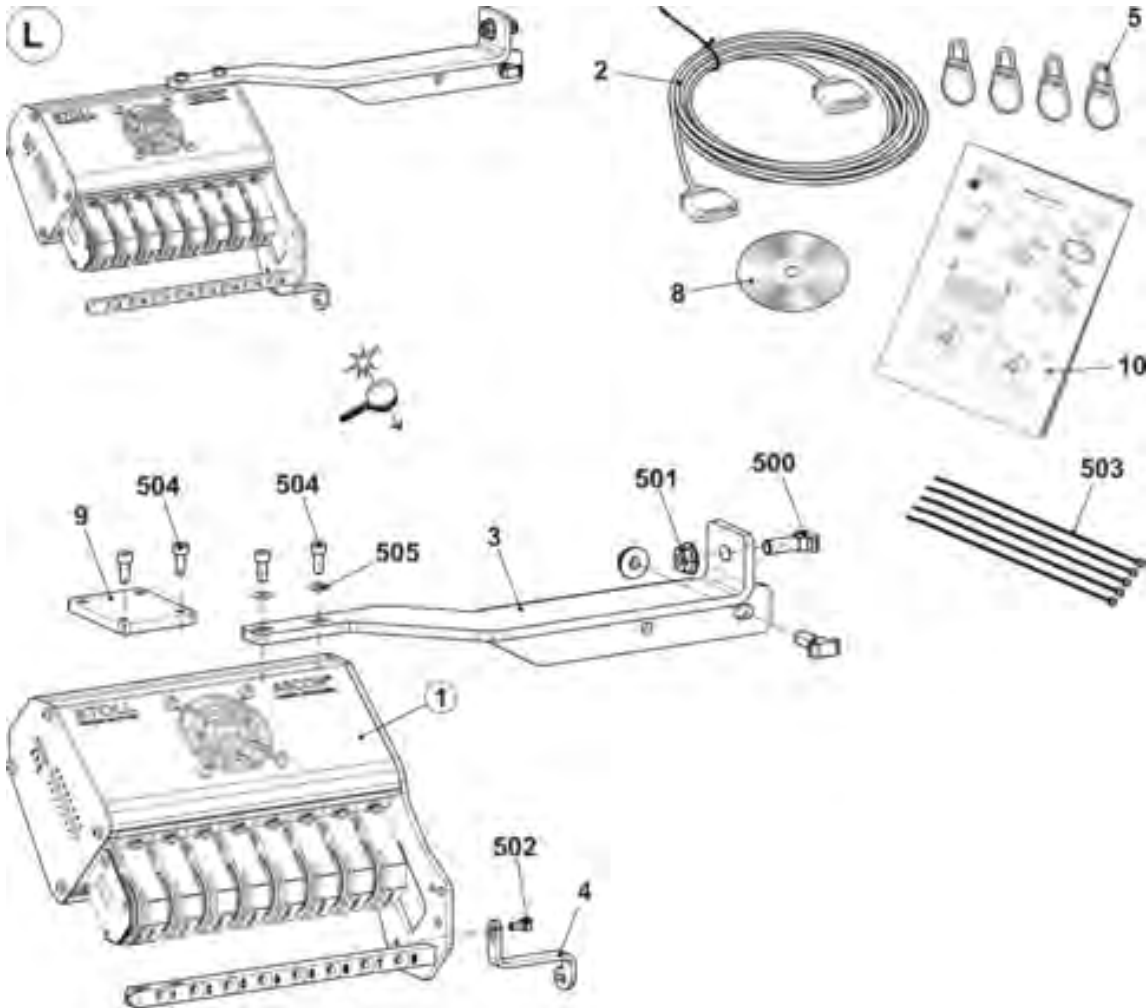
16.8 Carriage of plating yarn carrier (adjustable)

Pos	Designation	Id		Pos	Designation	Id
Σ	Plating yarn carrier carriage complete	251 867				
1	Carriage of yarn carrier	251 864		7	Guide part	253 226
2	Sliding piece	212 583		8	Shim	213 035
3	Shim	216 143		500	Compression spring	021 399
4	Threaded bolt	213 399		511	Washer4	022 481
5	Insert on the right	251 866		512	Hexagon screwM4x8	022 461
6	Insert on the left	251 865		513	Hexagon screwM5x10	020 351



16.9 Yarn length measuring device on the left complete

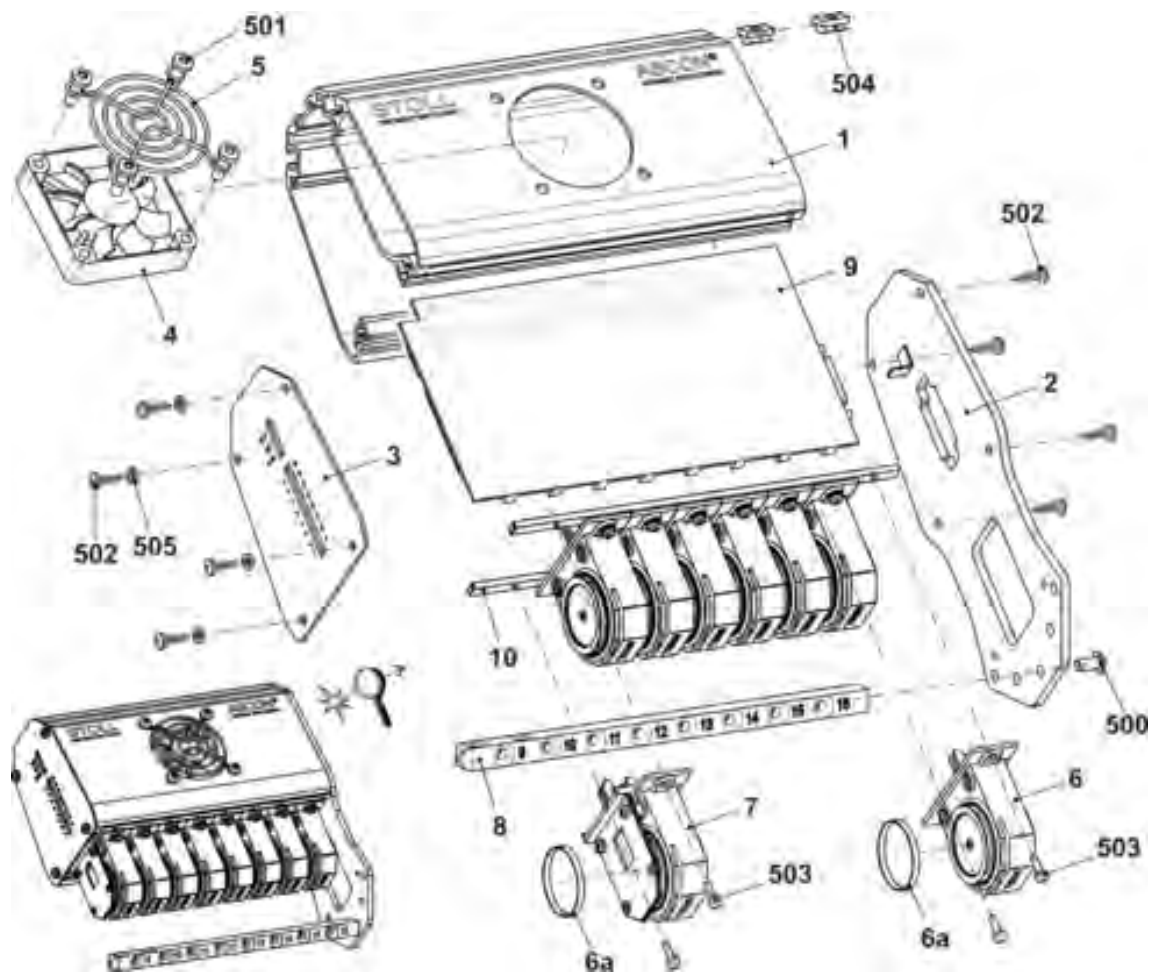
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	257 600				
1	Yarn length measuring device on the left complete	257 283		10	Operating instructions of ASCON assembly	259 381
2	Cable ASCON	257 239		500	T-head bolt M8x25	022 866
3	Support on the left	257 122		501	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



16.9 Yarn length measuring device on the left complete

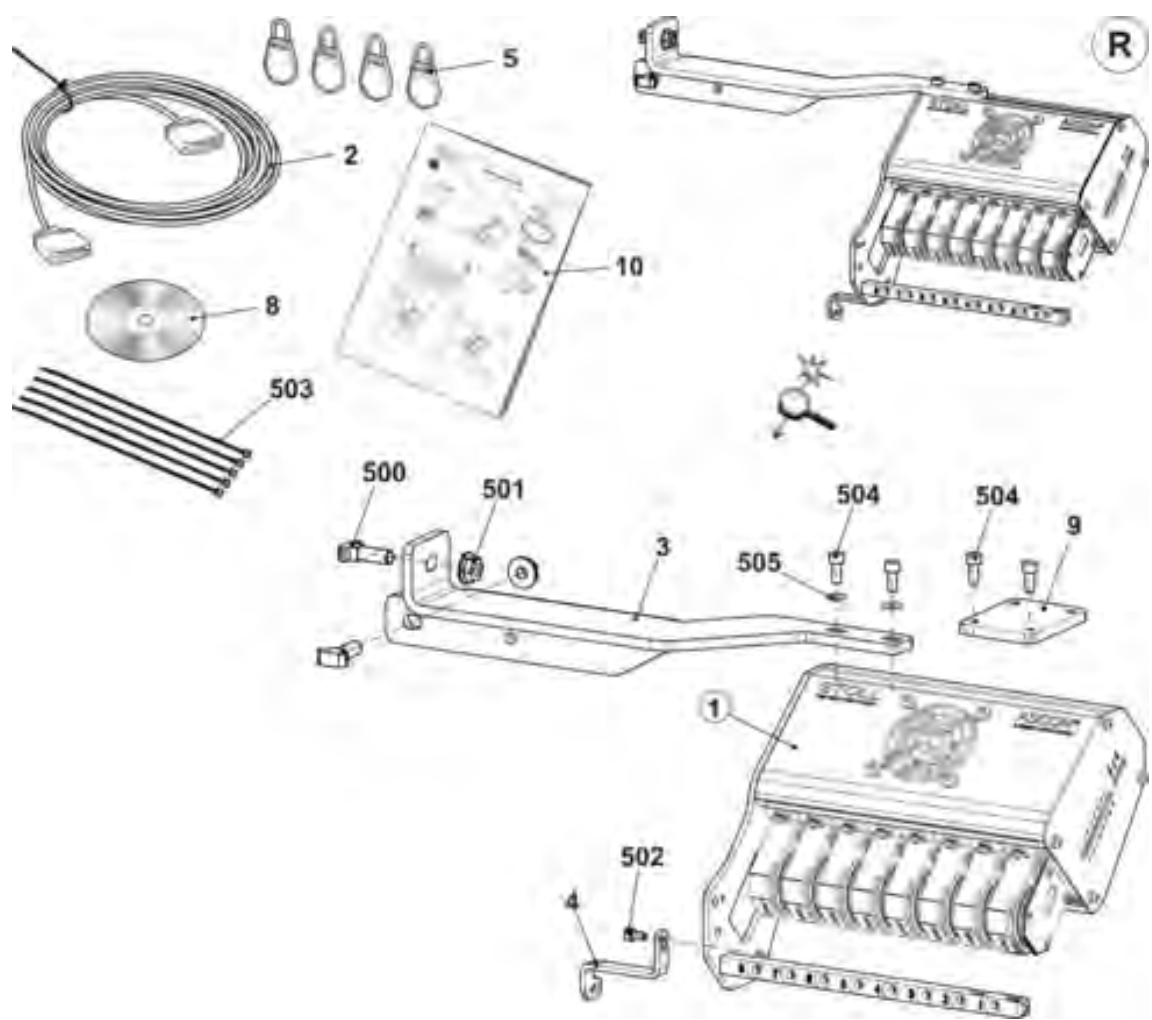
16.9.1 Yarn length measuring device

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



16.10 Yarn length measuring device on the right complete

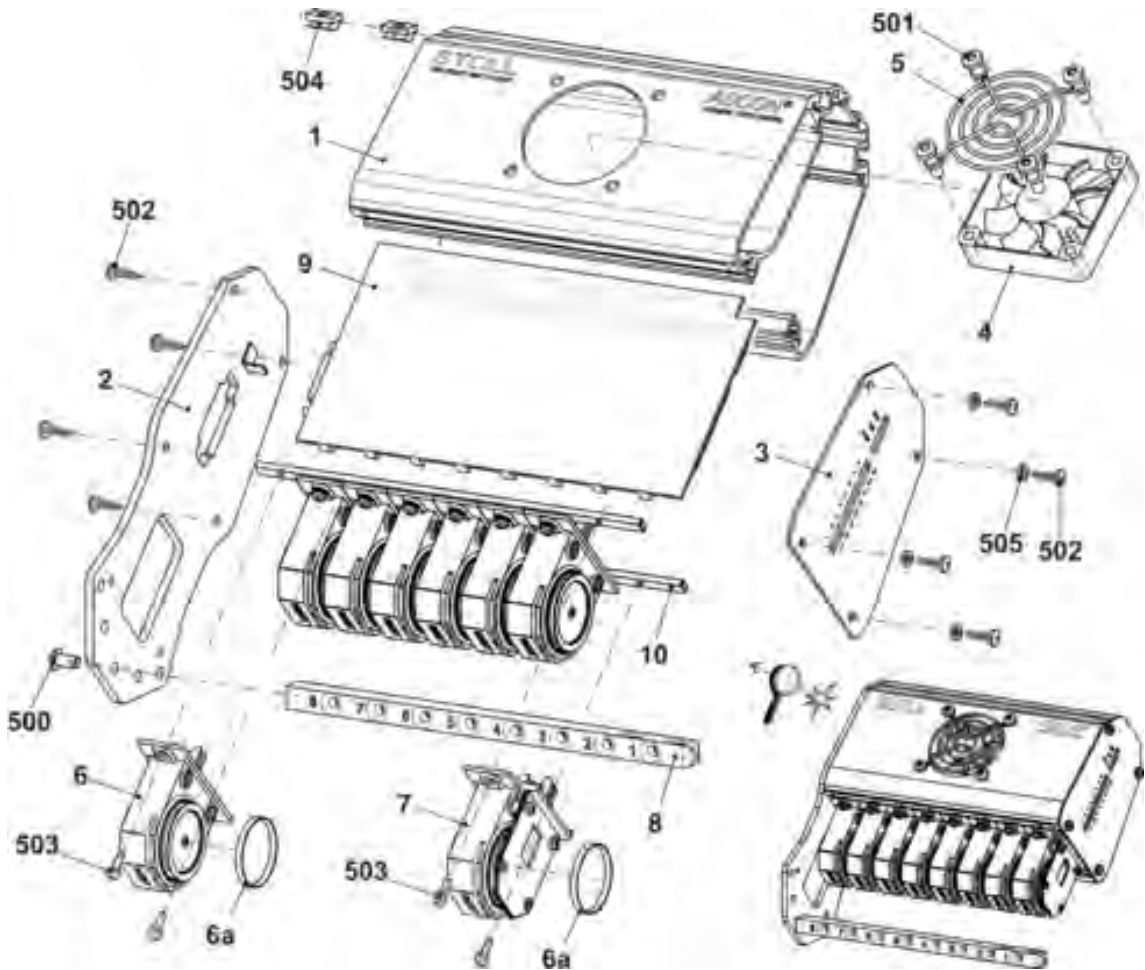
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 599				
1	Yarn length measuring device on the right complete	257 282		10	Operating instructions of ASCON assembly	259 381
2	Cable ASCON	257 239		500	T-head bolt M8x25	022 866
3	Support right	257 121		501	Serrated 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 Yarn length measuring device on the right complete

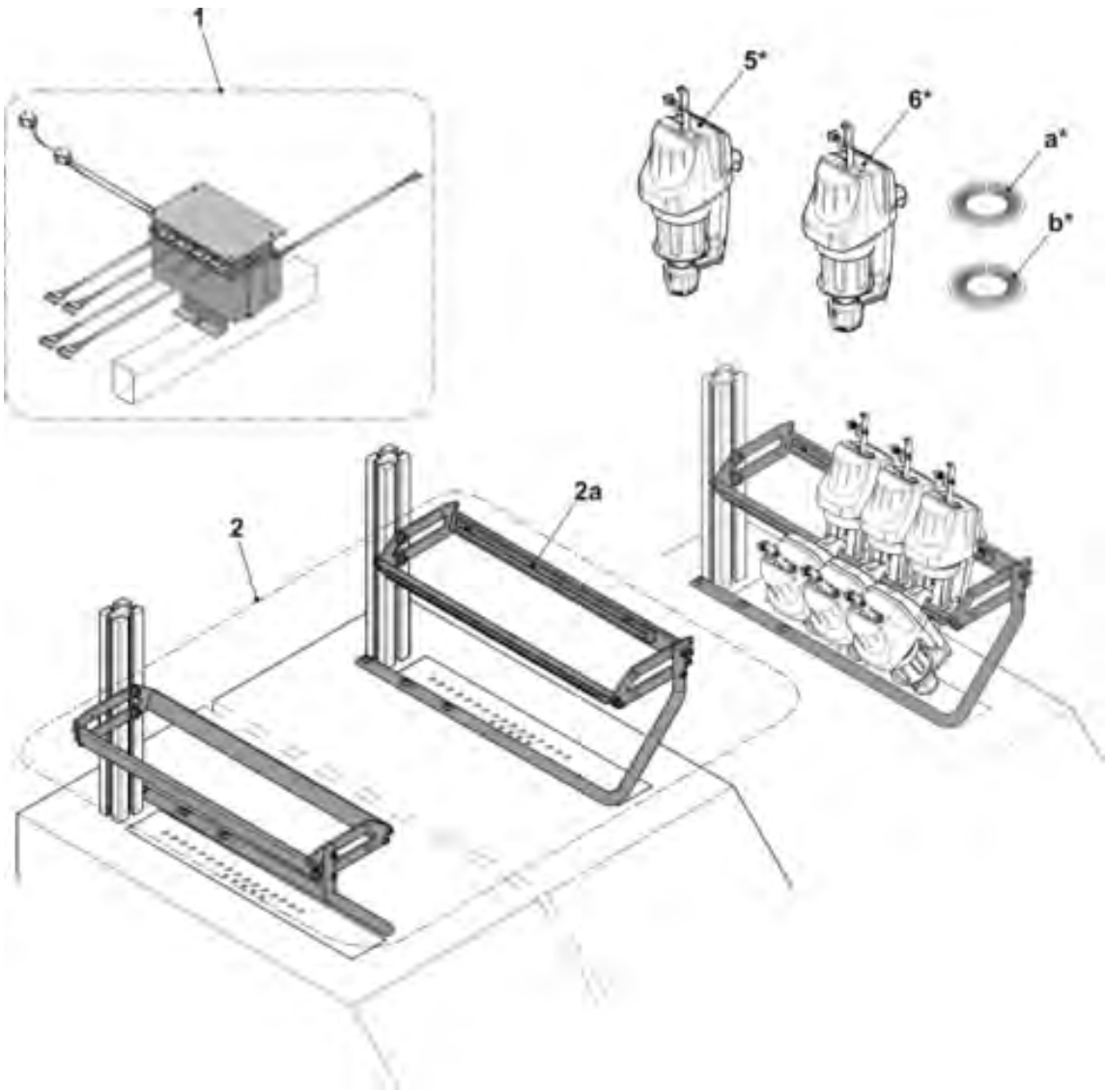
16.10.1 Yarn length measuring device on the right

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 Storage feed wheel MSF-3

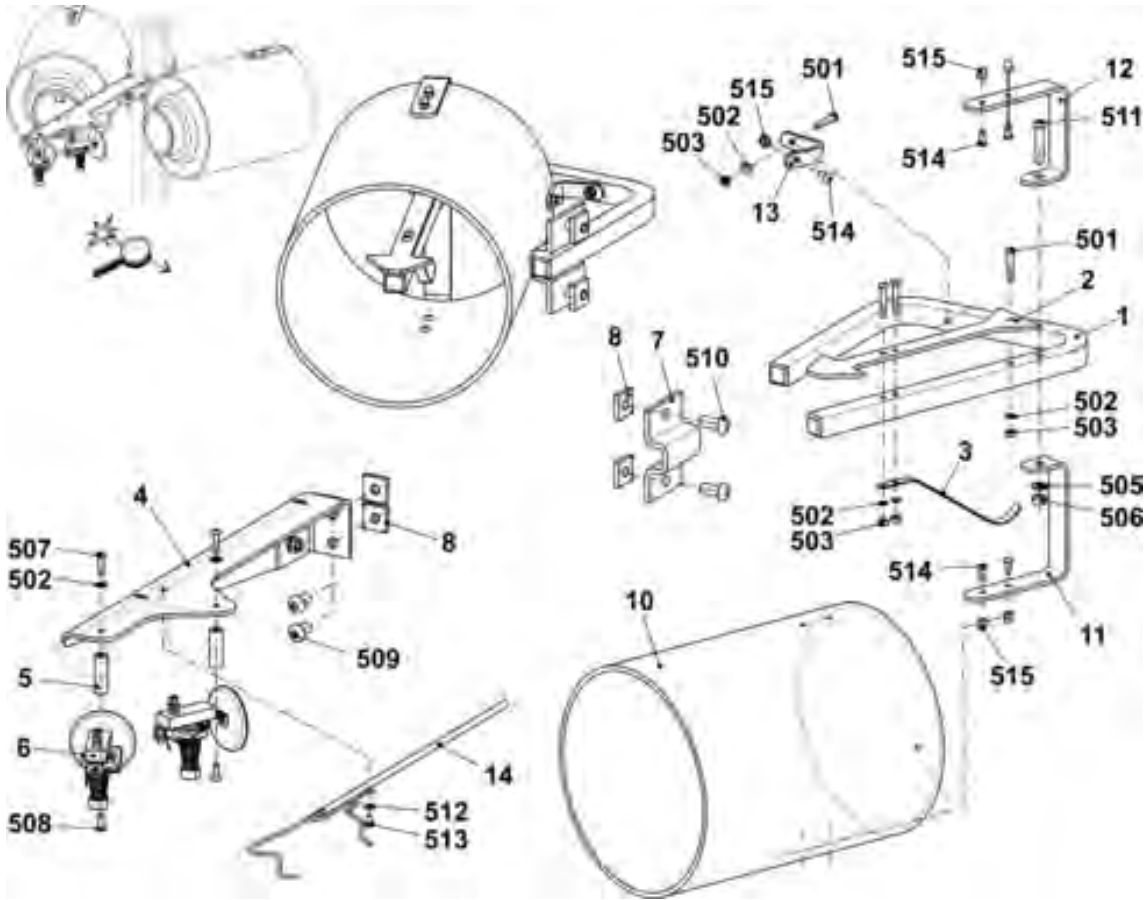
Pos	Designation	ID	Note
Σ	Attachment set storage feed wheel MSF-3	259 575	Please order the MSF-3 spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Tel.: +49 (0)7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the MSF-3 spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.
1	Transformer MSF-3 with cable	259 611	
2	Mounted set MSF-3 without transformer	259 612	
2a	Ribbon cable four-wire	245 260	
5*	Storage feed wheel LGL Vector	262 373	
6*	Storage feed wheel LGL Vector P+	263 028	
a*	Brush goat hair PRIMO	245 252	
b*	Brake ring Vector	264 098	



16.12 Bobbin holder on the left

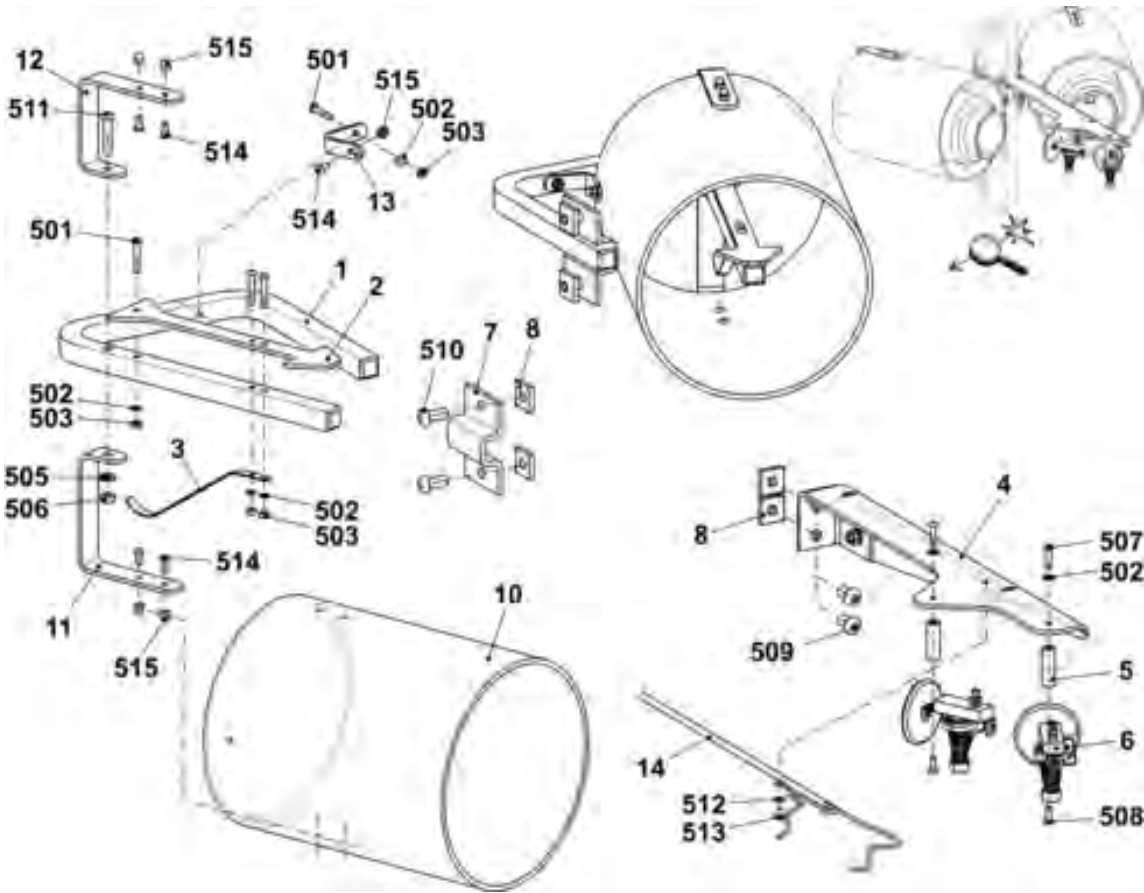
16.12 Bobbin holder on the left

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



16.13 Bobbin holder on the right

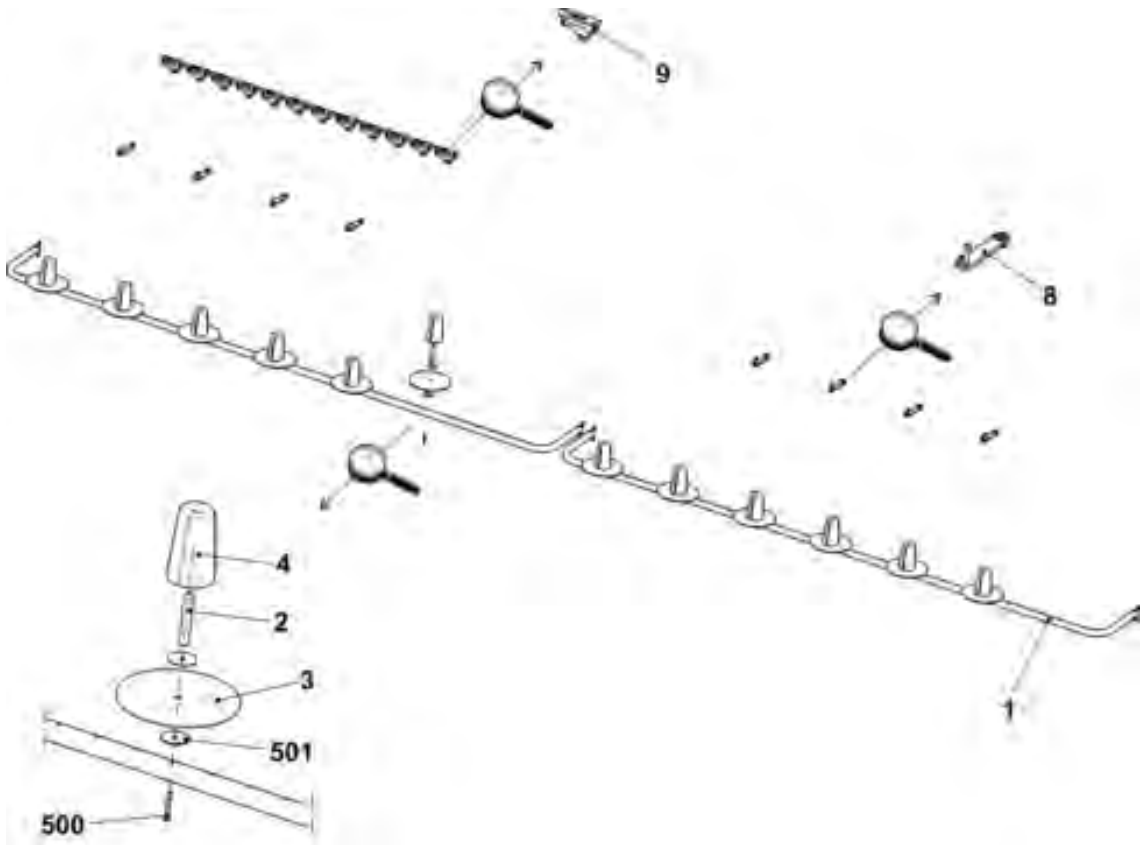
Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the right	253 966	501	Pan head screw M4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support right	253 348	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	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



16.14 Additional board at the bottom

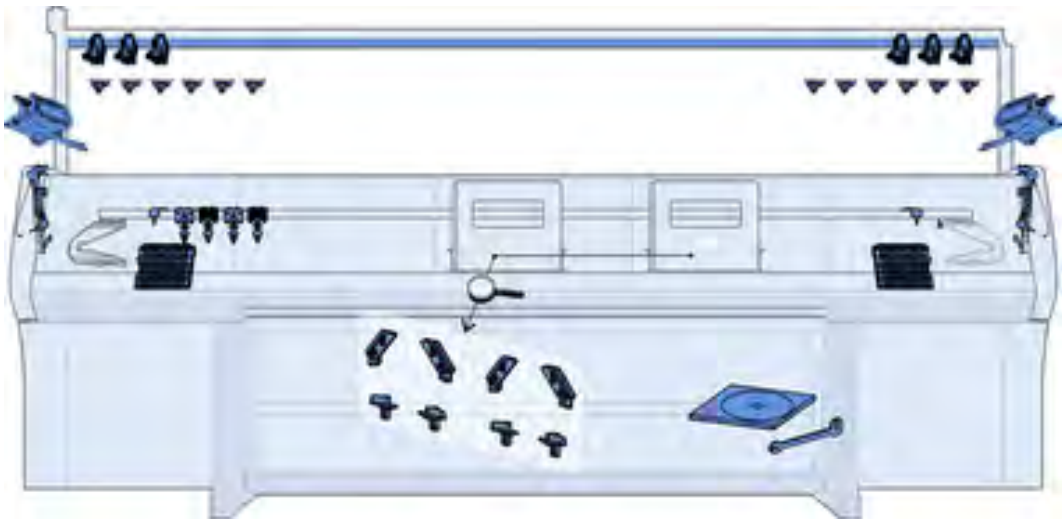
16.14 Additional board at the bottom

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Additional board8XX at the bottom	253 646				
1	Additional bobbin board welded	253 472		8	Yarn guide	243 765
2	Positioning pin	202 777		9	Yarn guide bracket	241 581
3	DiskD=130	062 385		500	Pan-head screw M4x30	023 681
4	Bobbin support	200 363		501	Washer5,3x30x1,25	023 556



17 Conversion kit with 24 and 32 IFF Type 2

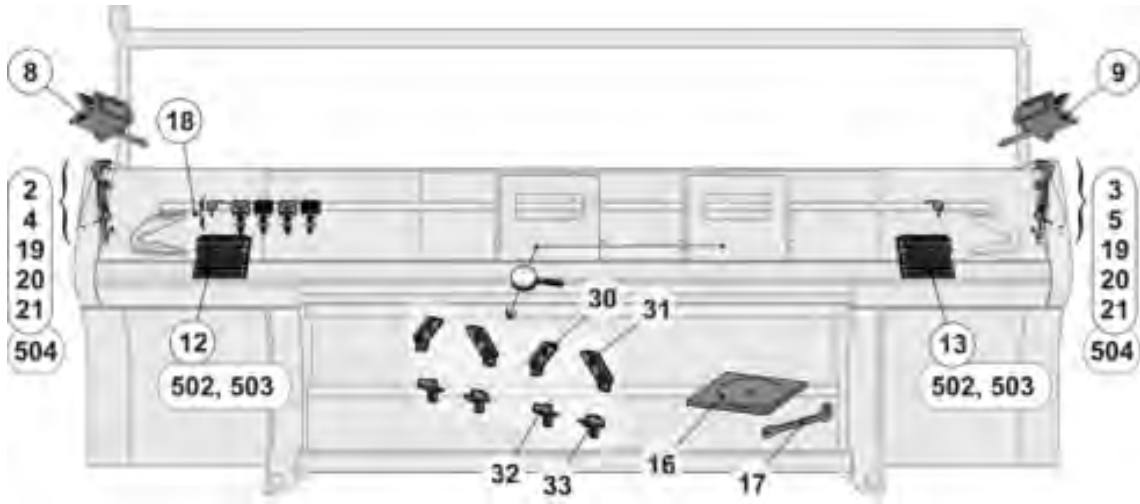
	Designation	ID
24 IFF:	Conversion kit 24 IFF Type 2 E5 E2,5.2 E3,5.2 E5.2	257 456
	Conversion kit 24 IFF Type 2 E7 E8	257 457
32 IFF:	Conversion kit 32 IFF Type 2 E5 E2,5.2 E3,5.2 E5.2	256 991
	Conversion kit 32 IFF Type 2 E7 E8	257 387



17.1 Overview of conversion kit (24 IFF) E5 | E2,5.2 | E3,5.2 | E5.2

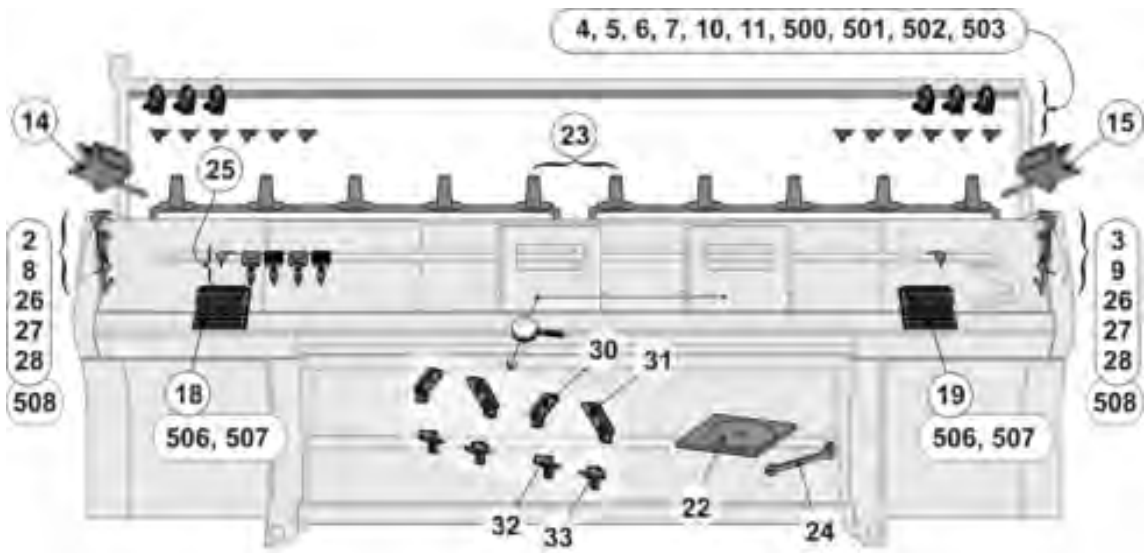
17.1 Overview of conversion kit (24 IFF) E5 | E2,5.2 | E3,5.2 | E5.2

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Conversion kit 24 IFF E5	257 456		18	Yarn guide complete E5 IFF 24	256 934
2	Yarn tensioner on the left complete E5	244 498		19	Yarn brake complete	244 347
3	Yarn tensioner on the right complete E5	244 501		20	Clamping bow	244 409
4	Deflector on the left complete	259 573		21	Ceramic eyelet	240 640
5	Deflector on the right complete	259 570		30	Stitch cam on the left E5 short tuck	212 130
8	Friction feed wheel 16 fold on the left complete	244 991		31	Stitch cam on the right E5 short tuck	212 129
9	Friction feed wheel 16 fold on the right complete	244 992		32	Pressure part receiving on the left short tuck	240 697
12	Left clamping and cutting bed E5-8	253 653		33	Pressure part receiving on the right short tuck	240 698
13	Clamping and cutting bed on the right E5-8	253 652		502	Dowel pin 6x16	020 677
16	DVD instructions conversion kit IFF	245 169		503	Screw M6x20	244 824
17	Adjusting part for yarn carrier bow	250 119		504	Screw KB60x20	237 682



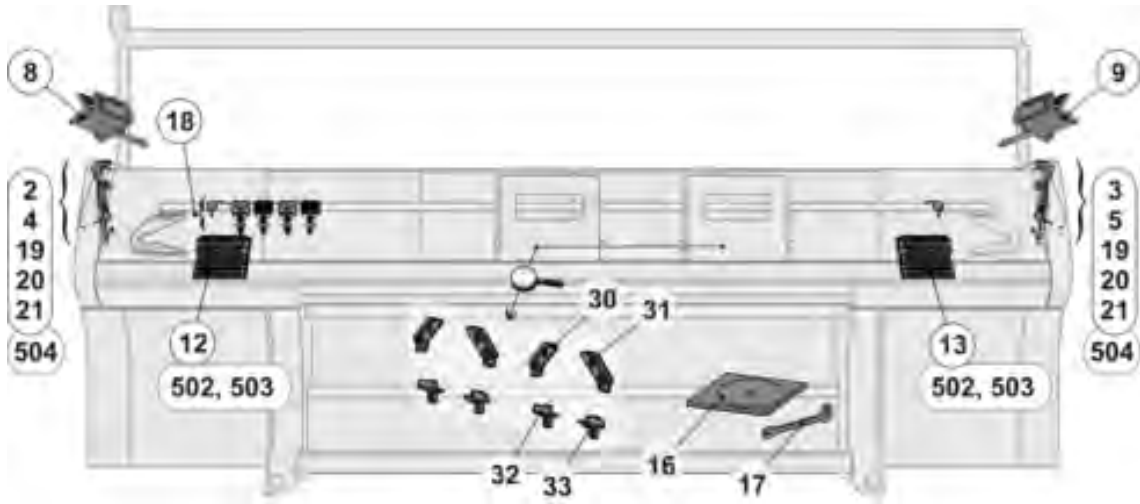
17.2 Overview of conversion kit (24 IFF) E7 | E8

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Conversion kit 24 IFF E7-8	257 457				
2	Yarn tensioner on the left complete E7-8	244 499		24	Adjusting part for yarn carrier bow	250 119
3	Yarn tensioner on the right complete E7-8	244 502		25	Yarn guide complete E7-8 IFF 24	256 935
4	Yarn guide bar84"	236 932		26	Yarn brake complete	244 347
5	Support on the left	243 602		27	Clamping bow	244 409
6	Support on the right	243 603		28	Ceramic eyelet	240 640
7	Support	239 295		30	Stitch cam on the left E7-8 short tuck	212 057
8	Deflector on the left complete	259 573		31	Stitch cam on the right E7-8 short tuck	212 056
9	Deflector on the right complete	259 570		32	Pressure part receiving on the left short tuck	240 697
10	Yarn control unit	237 124		33	Pressure part receiving on the right short tuck	240 698
11	Yarn guide bracket complete	241 581		500	Self-locking screw M6x12	023 415
14	Friction feed wheel 16 fold on the left complete	244 991		501	Serrated nut M6-10	023 414
15	Friction feed wheel 16 fold on the right complete	244 992		502	Square nut M8	023 269
18	Left clamping and cutting bed E5-8	253 653		503	Pan head screw M8x16	023 113
19	Clamping and cutting bed on the right E5-8	253 652		506	Dowel pin 6x16	020 677
22	DVD instructions conversion kit IFF	245 169		507	Screw M6x20	244 824
23	Additional bobbin board 7XX/8XX	241 928		508	Screw KB60x20	237 682



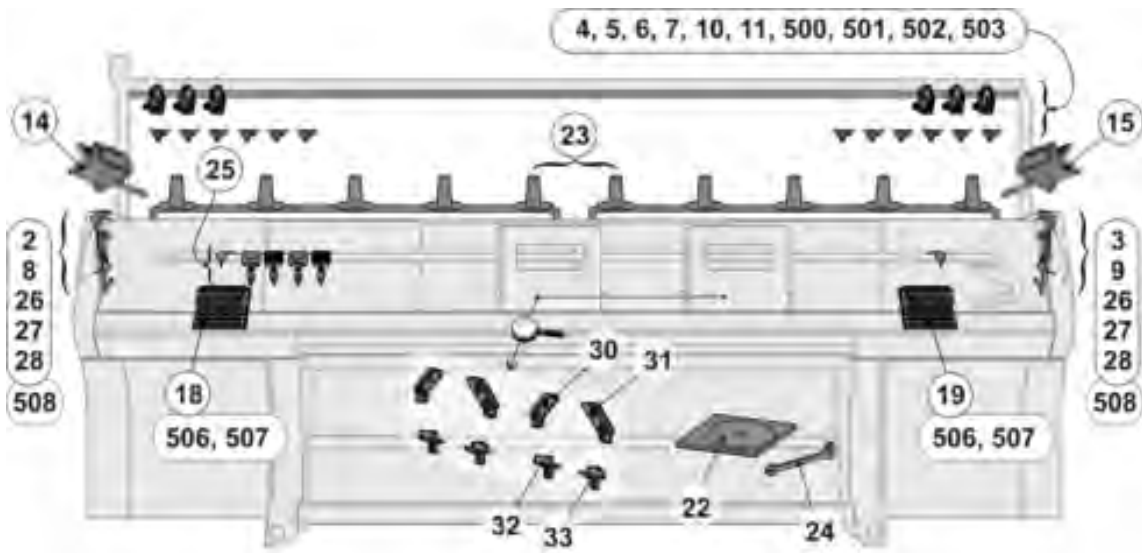
17.3 Overview of conversion kit (32 IFF) E5 | E2,5.2 | E3,5.2 | E5.2

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Conversion kit 32 IFF E5	256 991		18	Yarn guide complete IFF E5	245 161
2	Yarn tensioner on the left complete E5	244 498		19	Yarn brake complete	244 347
3	Yarn tensioner on the right complete E5	244 501		20	Clamping bow	244 409
4	Deflector on the left complete	259 573		21	Ceramic eyelet	240 640
5	Deflector on the right complete	259 570		30	Stitch cam on the left E5 short tuck	212 130
8	Friction feed wheel 16 fold on the left complete	244 991		31	Stitch cam on the right E5 short tuck	212 129
9	Friction feed wheel 16 fold on the right complete	244 992		32	Pressure part receiving on the left short tuck	240 697
12	Left clamping and cutting bed E5-8	253 653		33	Pressure part receiving on the right short tuck	240 698
13	Clamping and cutting bed on the right E5-8	253 652		502	Dowel pin 6x16	020 677
16	DVD instructions conversion kit IFF	245 169		503	Screw M6x20	244 824
17	Adjusting part for yarn carrier bow	250 119		504	Screw KB60x20	237 682



17.4 Overview of conversion kit (32 IFF) E7 | E8

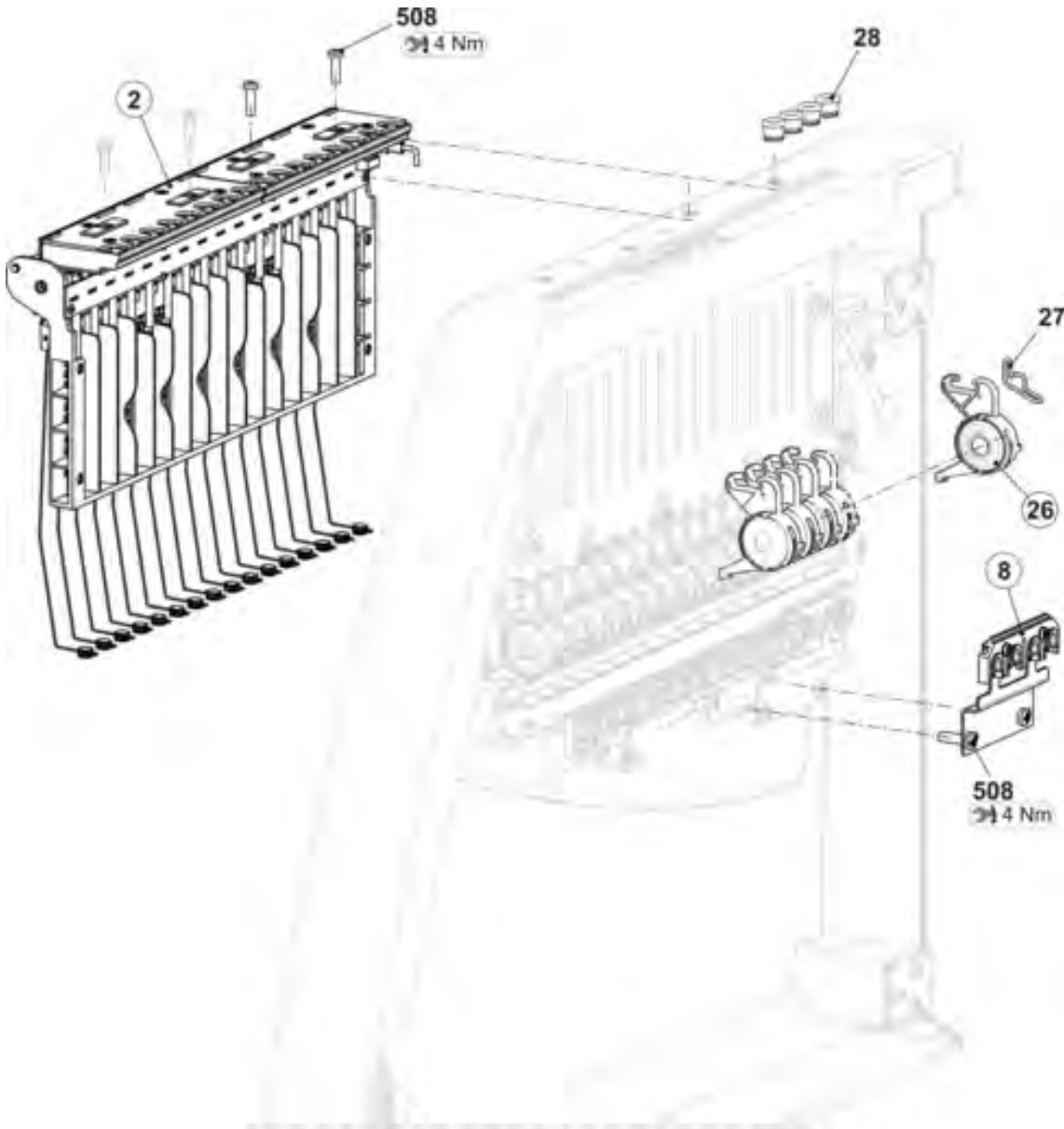
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Conversion kit 32 IFF E7-8	257 387				
2	Yarn tensioner on the left complete E7-8	244 499		24	Adjusting part for yarn carrier bow	250 119
3	Yarn tensioner on the right complete E7-8	244 502		25	Yarn guide complete IFF E7-8	245 162
4	Yarn guide bar84"	236 932		26	Yarn brake complete	244 347
5	Support on the left	243 602		27	Clamping bow	244 409
6	Support on the right	243 603		28	Ceramic eyelet	240 640
7	Support	239 295		30	Stitch cam on the left E7-8 short tuck	212 057
8	Deflector on the left complete	259 573		31	Stitch cam on the right E7-8 short tuck	212 056
9	Deflector on the right complete	259 570		32	Pressure part receiving on the left short tuck	240 697
10	Yarn control unit	237 124		33	Pressure part receiving on the right short tuck	240 698
11	Yarn guide bracket complete	241 581		500	Self-locking screw M6x12	023 415
14	Friction feed wheel 16 fold on the left complete	244 991		501	Serrated nut M6-10	023 414
15	Friction feed wheel 16 fold on the right complete	244 992		502	Square nut M8	023 269
18	Left clamping and cutting bed E5-8	253 653		503	Pan head screw M8x16	023 113
19	Clamping and cutting bed on the right E5-8	253 652		506	Dowel pin 6x16	020 677
22	DVD instructions conversion kit IFF	245 169		507	Screw M6x20	244 824
23	Additional bobbin board 7XX/8XX	241 928		508	Screw KB60x20	237 682



17.5 Parts for the left safety door

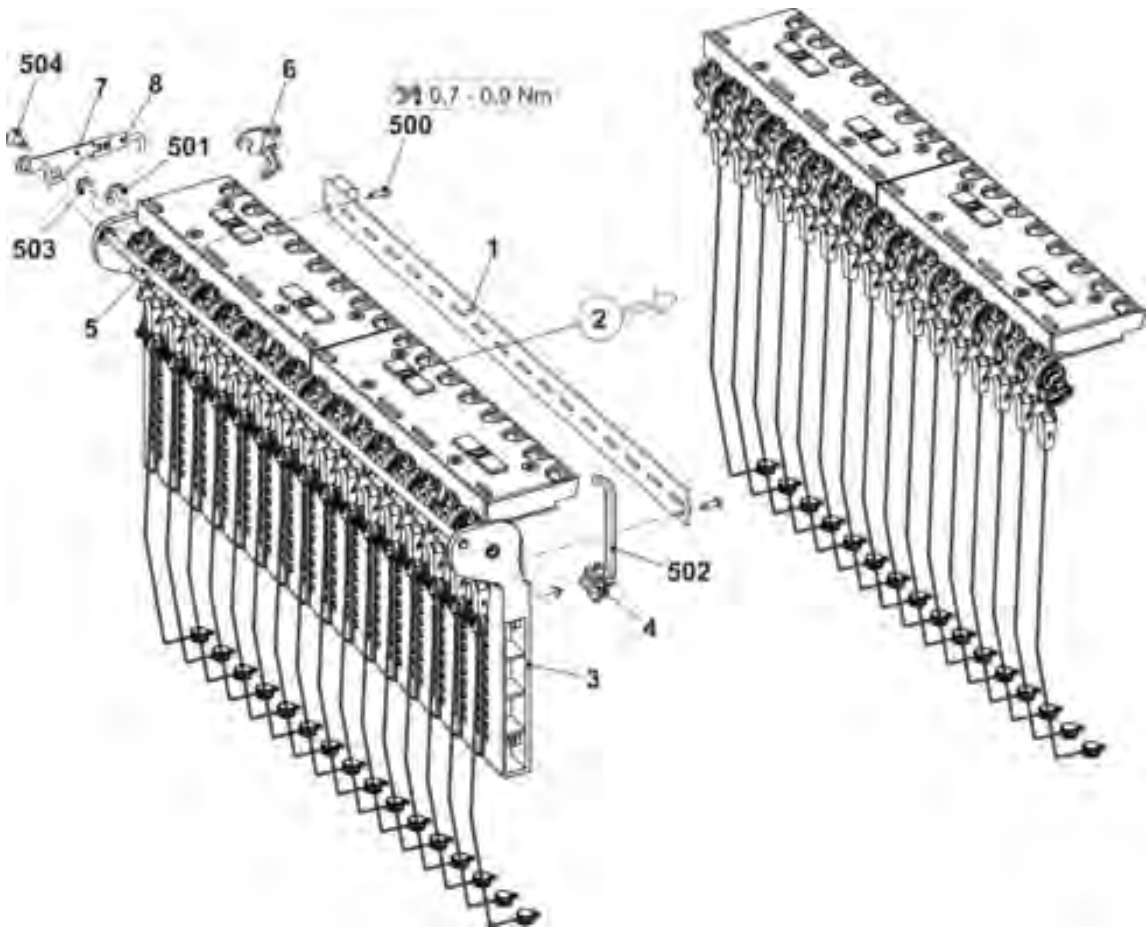
17.5 Parts for the left safety door

Pos	Designation	Id. no.		Pos	Designation	Id. no.
2	Yarn tensioner on the left complete			26	Yarn brake complete	244 347
	E5 E2,5.2 E3,5.2 E5.2	244 498		27	Clamping bow	244 409
	E7 E8	244 499		28	Ceramic eyelet	240 640
8	Deflector on the left complete	259 573		508	Screw KB60x20	237 682



17.5.1 Yarn tensioner on the left

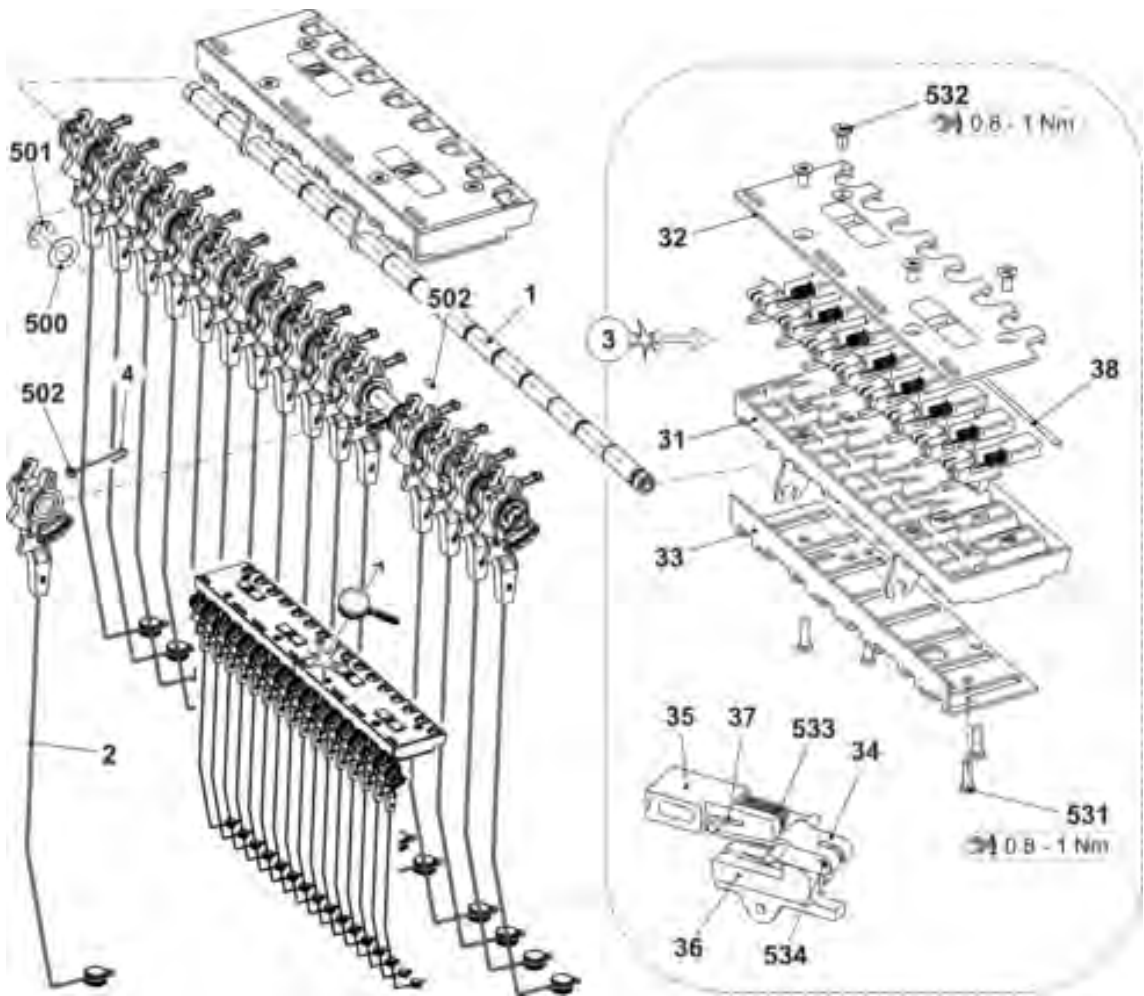
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Yarn tensioner on the left complete					
	E5 E2,5.2 E3,5.2 E5.2	244 498		7	Grounding plate of tension axle	243 121
	E7 E8	244 499		8	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the left	241 345		500	Screw KB30x8	236 228
2	Tension axle completeE3-8	244 494		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5,05x0,55x53 (E3-5)	023 502
4	Slider	241 694			Tension spring 4,9x0,5x53 (E7-8)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x10	241 914



17.5 Parts for the left safety door

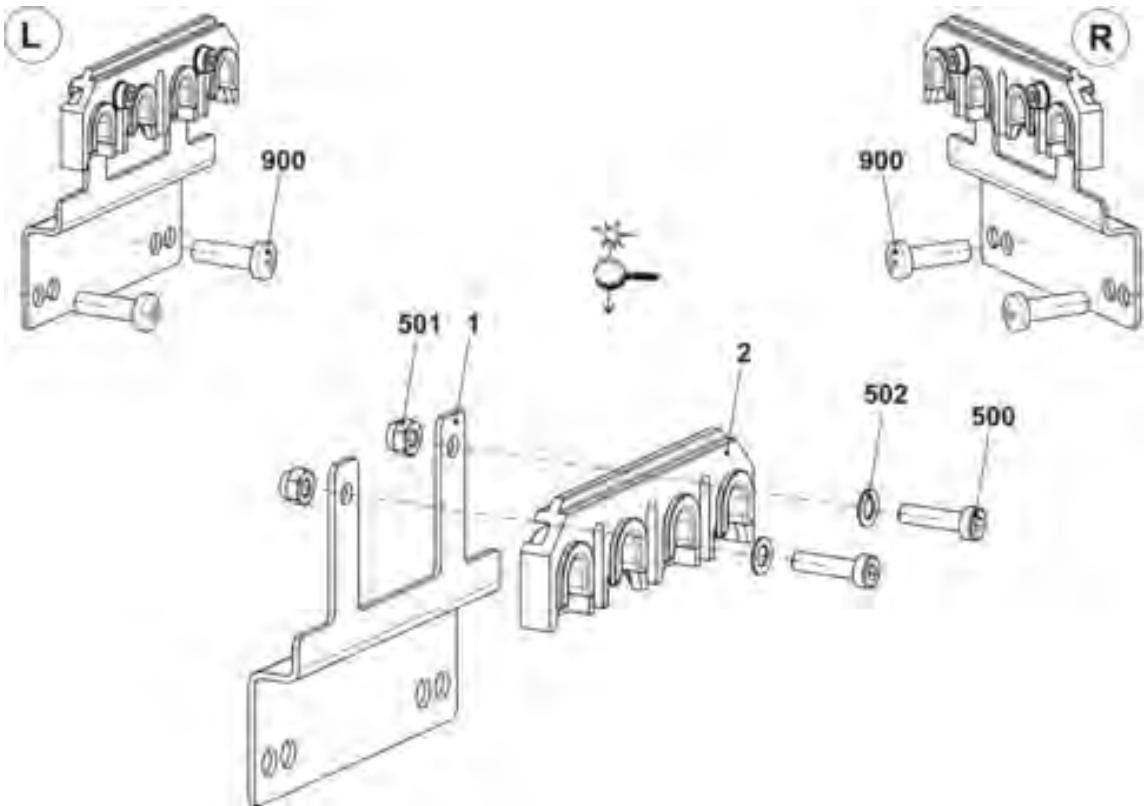
17.5.1.1 Tension axle

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Tension axle completeE3-8	244 494		33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	244 522		34	Lever AKF	238 692
2	Tension arm pre-assembledE3-8	259 448		35	Pressure piece AKF	238 690
4	Wire bow	238 694		36	SliderAKF	238 691
500	Shim ring 8x14x0,5	023 501		37	Wire bow	238 694
501	Circlip	021 022		38	Wire	237 940
502	Grooved pin 2x6	243 172		531	Screw KB 35x12	237 681
3	Thread clamp AKF	238 695		532	Screw KB 40x8	236 227
31	HousingAKF	238 689		533	Compression spring 0,30x4,50x18,50	241 437
32	Cover AKF	237 926		534	Grooved pin 2x6	243 172



17.5.2 Deflector on the left and on the right

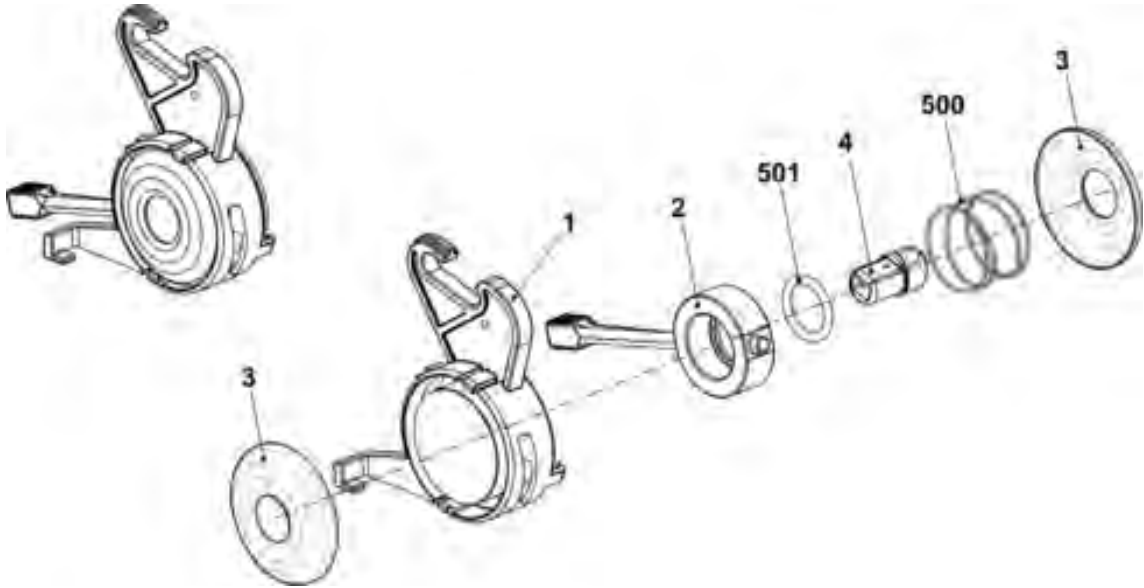
Pos	Designation	ID		Pos	Designation	ID
ΣL	Deflector on the left complete	259 573		ΣR	Deflector on the right complete	259 570
1	Support of yarn deflector	257 286		1	Support of yarn deflector	257 286
2	Yarn deflector on the left	259 572		2	Yarn deflector on the right complete	259 569
500	Cap screw M4x16	023 123		500	Cap screw M4x16	023 123
501	Hexagon nut M4-8	023 046		501	Hexagon nut M4-8	023 046
502	Washer4	020 879		502	Washer4	020 879
900	Screw KB60x20	237 682		900	Screw KB60x20	237 682



17.5 Parts for the left safety door

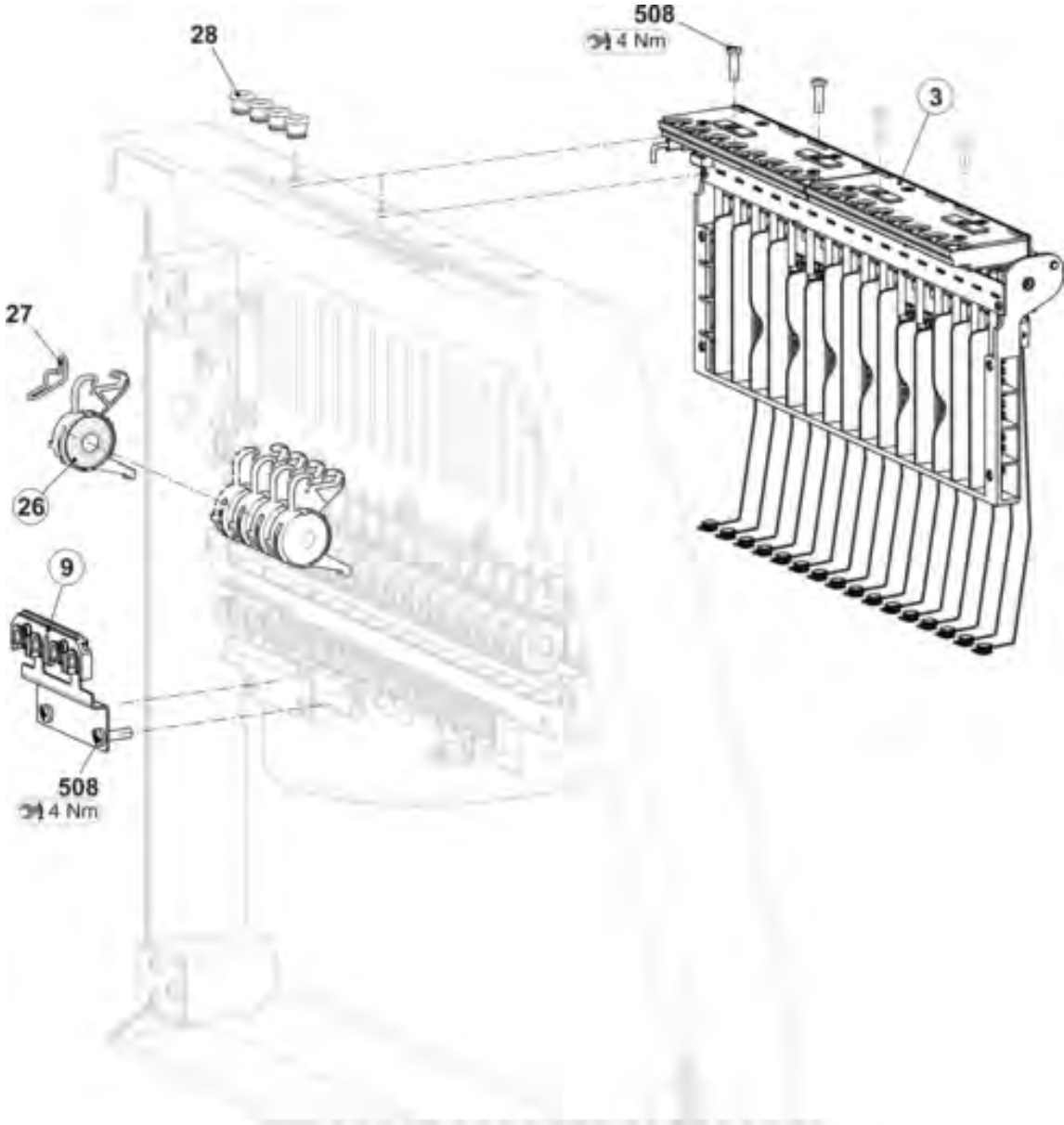
17.5.3 Yarn brake

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn brake complete	244 347				
1	Support	240 607		4	Ceramic eyelet open	243 778
2	Slider	240 606		500	Compression spring 0,65x20,15x14,80	241 361
3	Brake disk	244 355		501	O-ring 11x2	241 434



17.6 Parts for the right safety door

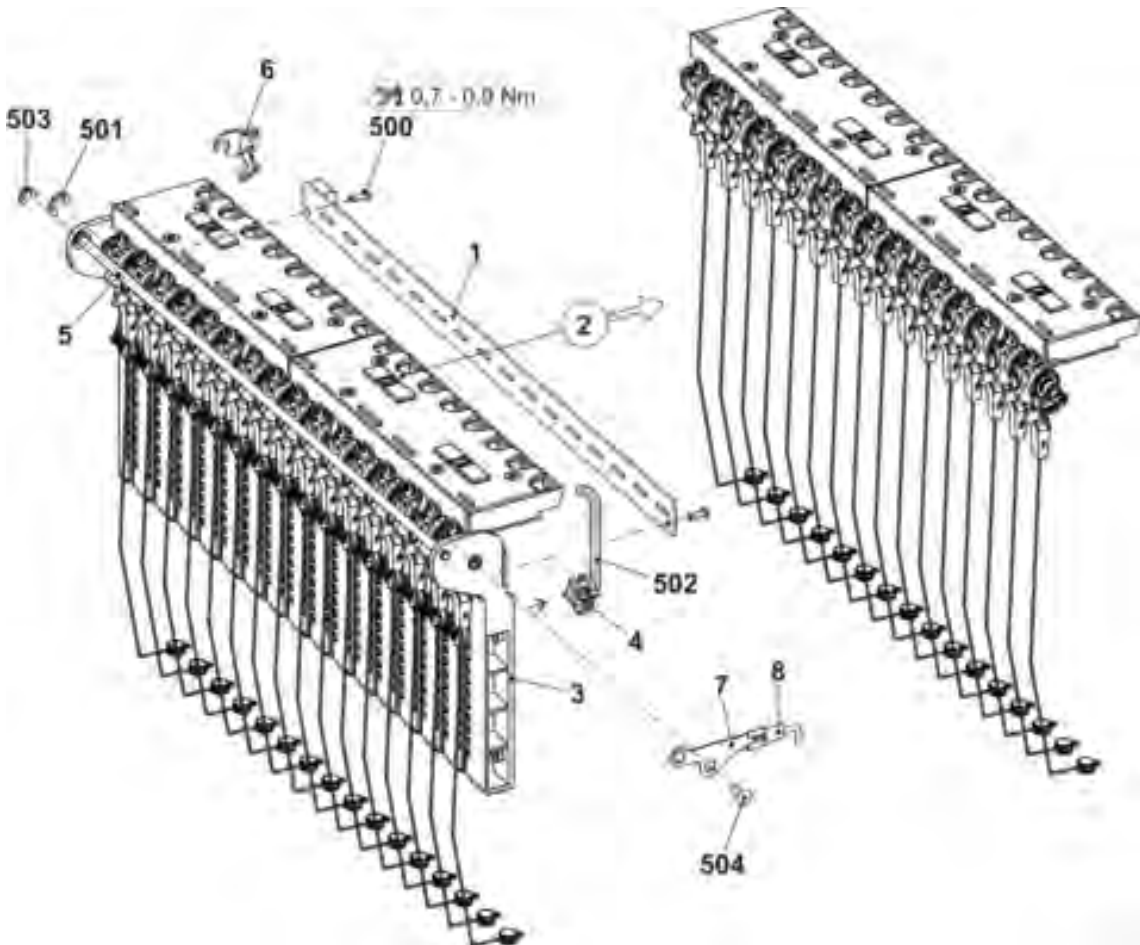
Pos	Designation	Id. no.	Pos	Designation	Id. no.
3	Yarn tensioner on the right complete		26	Yarn brake complete	244 347
	E5 E2,5.2 E3,5.2 E5.2	244 501	27	Clamping bow	244 409
	E7 E8	244 502	28	Ceramic eyelet	240 640
9	Deflector on the right complete	259 570	508	Screw KB60x20	237 682



17.6 Parts for the right safety door

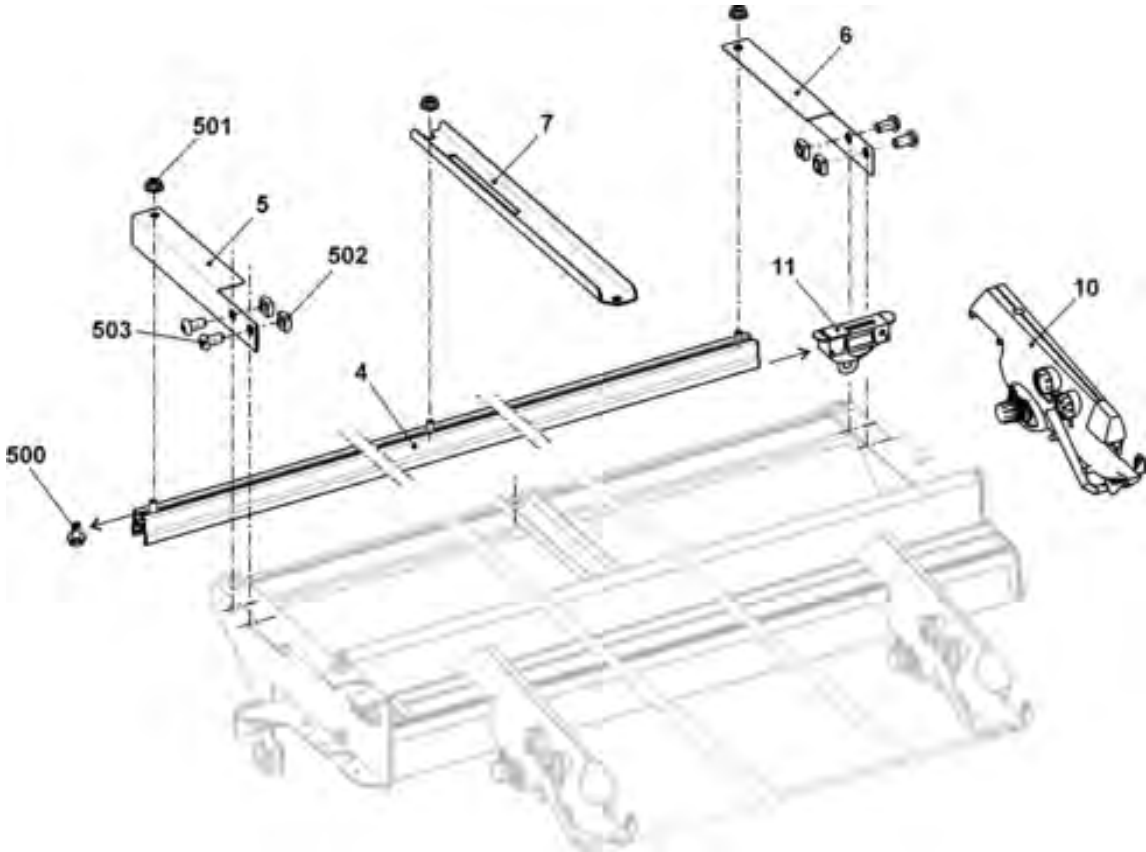
17.6.1 Yarn tensioner on the right

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Yarn tensioner on the right complete					
	E5 E2,5.2 E3,5.2 E5.2	244 501		7	Grounding plate of tension axle	243 121
	E7 E8	244 502		8	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the right	241 346		500	Screw KB30x8	236 228
2	Tension axle completeE3-8	244 494		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5,05x0,55x53 (E3-5)	023 502
4	Slider	241 694			Tension spring 4,9x0,5x53 (E7-8)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x10	241 914



17.7 Parts for the yarn guide system

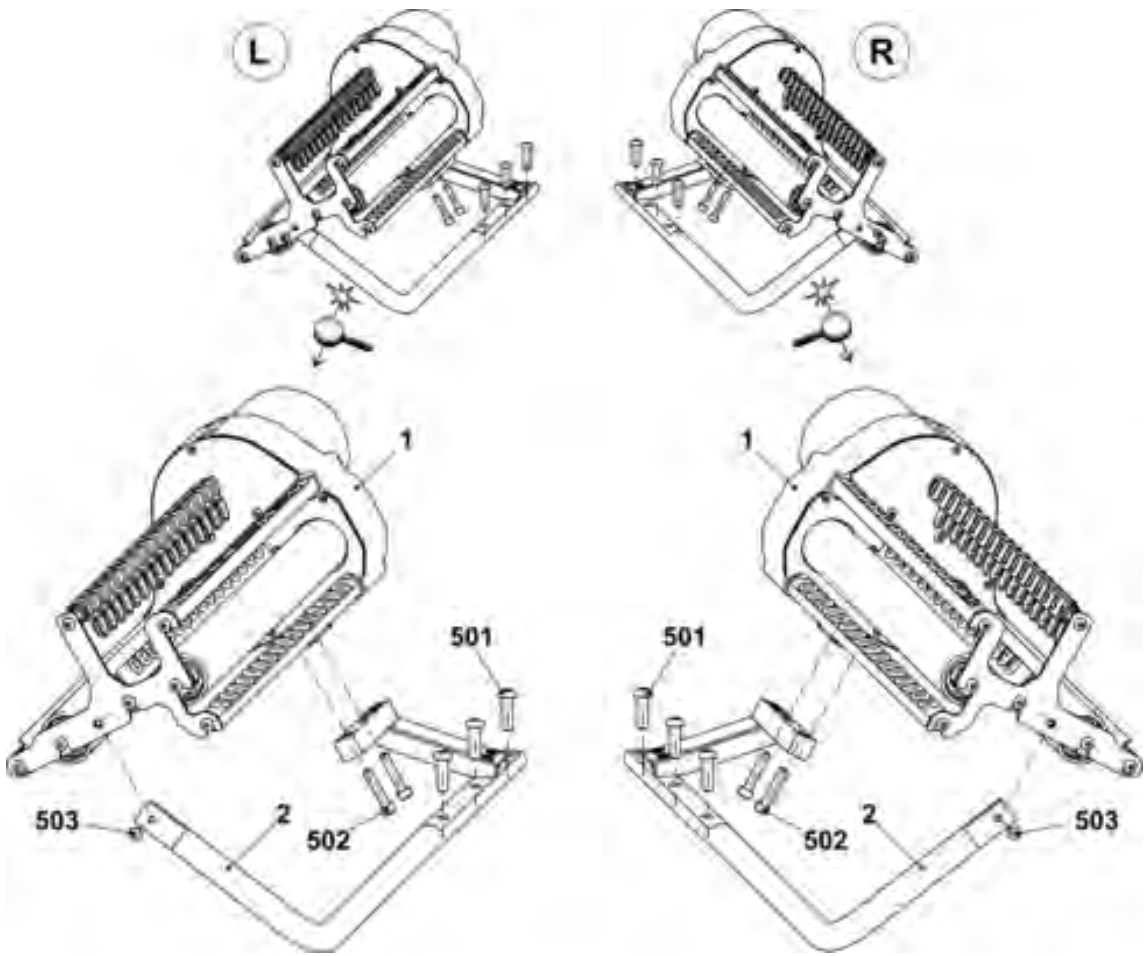
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Yarn guide system					
4	Yarn guide bar84"	236 932		11	Yarn guide bracket complete	241 581
5	Support on the left	243 602		500	Self-locking screw M6x12	023 415
6	Support on the right	243 603		501	Serrated nut M6-10	023 414
7	Support	239 295		502	Square nut M8	023 269
10	Yarn control unit	237 124		503	Pan head screw M8x16	023 113



17.8 Friction feed wheel on the left and on the right complete

17.8 Friction feed wheel on the left and on the right complete

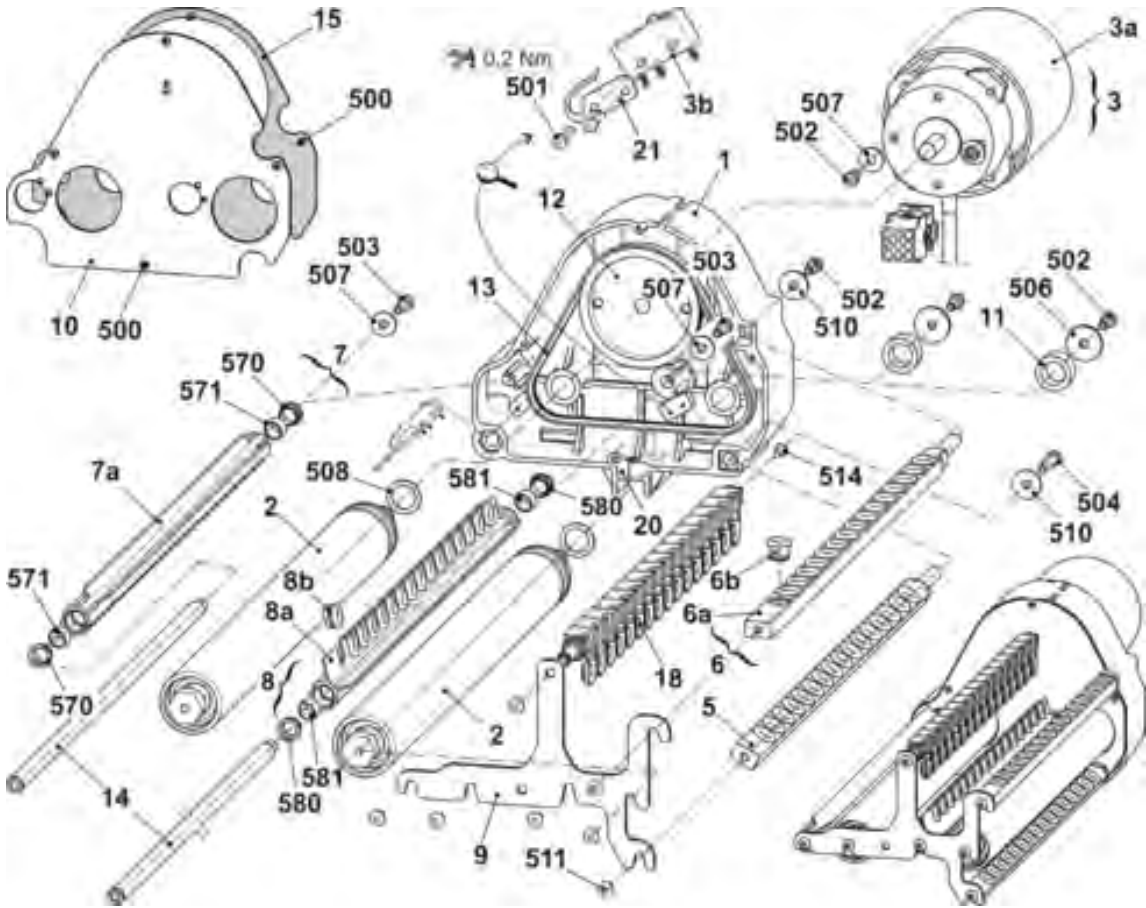
Pos	Designation	Id		Pos	Designation	Id
ΣL	Friction feed wheel 16 fold on the left complete	244 991		ΣR	Friction feed wheel 16 fold on the right complete	244 992
1	Friction feed wheel on the left	244 185		1	Friction feed wheel on the right	244 186
2	Support on the left	243 869		2	Support right	244 142
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



17.8 Friction feed wheel on the left and on the right complete

17.8.1 Friction feed wheel on the left

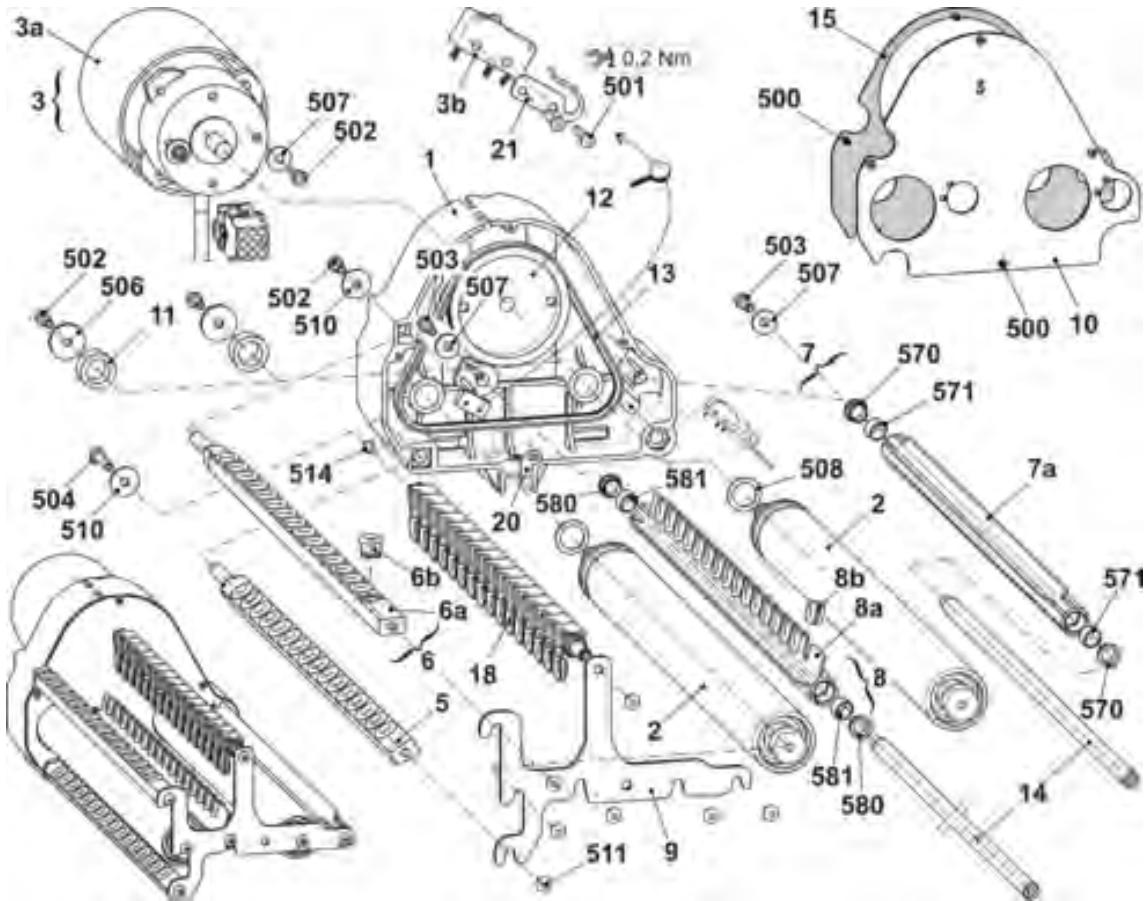
Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the left complete	244 185	10	Cover	251 098
1	Housing	240 368	11	Bush	221 391
2	Friction roller complete	243 860	12	V-ribbed belt pulley	221 268
3	Three-phase AC motor 3x42V complete	219 800	13	Ribbed V-belt	206 927
3a	Three-phase AC motor	220 161	14	Rod	243 868
3b	Microswitch	008 664	15	Cover	230 758
5	Yarn guide rod 16-fold complete	244 576	18	Deflector complete 16-fold	250 102
6	Yarn guide rod 16-fold complete	244 578	20	Grounding plate	256 622
6a	Yarn guide rod 16-fold	244 577	21	Spring plate	256 702
6b	Ceramic eyelet	240 640	500	Screw KB30x8	236 228
7	Stop motion rail on the right complete	243 863	501	Screw M20x10	244 736
7a	Stop motion rail on the right	243 864	502	Cap 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



17.8 Friction feed wheel on the left and on the right complete

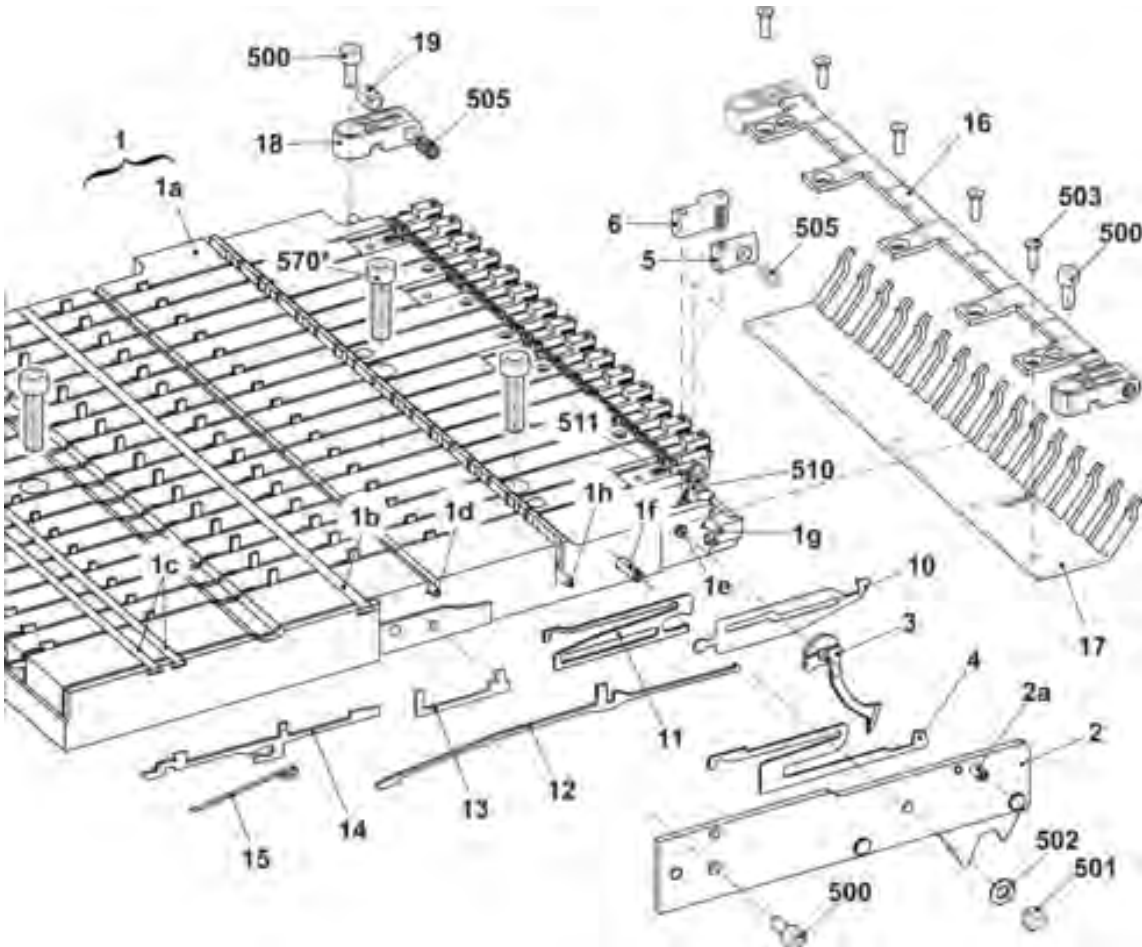
17.8.2 Friction feed wheel on the right

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



17.9 Left clamping and cutting bed

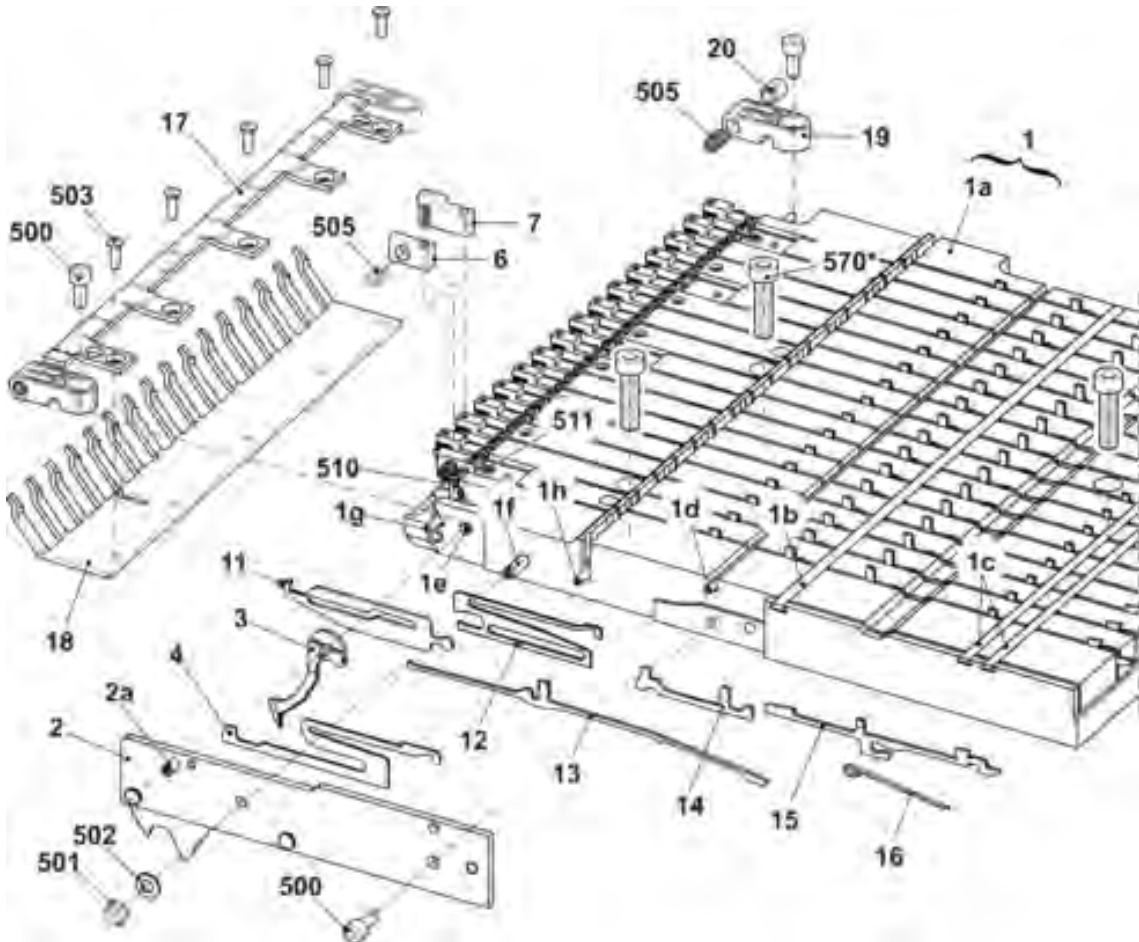
Pos	Designation		Id	Pos	Designation		Id
Σ	Left clamping and cutting bed E5-8		253 653	6	Clamp on the left complete		244 633
1	Guide plate on the left E5-14		257 236	10	Catch needle on the left E5-8		244 729
	1a	Guide plate on the left E5-14	257 232	11	Intermediate cam E10-14		244 591
	1b	Cover rail	243 923	12	Coupling part E5-8		253 381
	1c	Cover rail	243 924	13	Intermediate slider with brake E5-8		237 323
	1d	Locating wire	243 925	14	Selection jack E4-8		200 687
	1e	Axle	257 201	15	Selector spring E4-8		200 690
	1f	Guide pin	211 351	16	Holding strip on the left		256 996
	1g	Locating wire	215 927	17	Deflector plate on the left		255 556
	1h	Locating wire	244 589	18	Spring holder		255 724
	510	Dowel pin 3x14	252 771	19	Threaded bolt		255 723
	511	Setscrew M5x5	236 061	500	Cap screw M4x10		023 136
2	Cover on the left complete E5-14		260 967	501	Hexagon nut M4-8		023 046
2a	Springy thrust piece N4		260 235	502	Washer4		020 870
3	Catch hook on the left E5-14		260 969	503	Countersunk head screw M3x10		242 029
4	SliderE5-14		258 050	505	Compression spring 07x4,3x12,1		023 521
5	Blade		243 948	570*	Cap screw M6x20		244 824



17.10 Clamping and cutting bed on the right

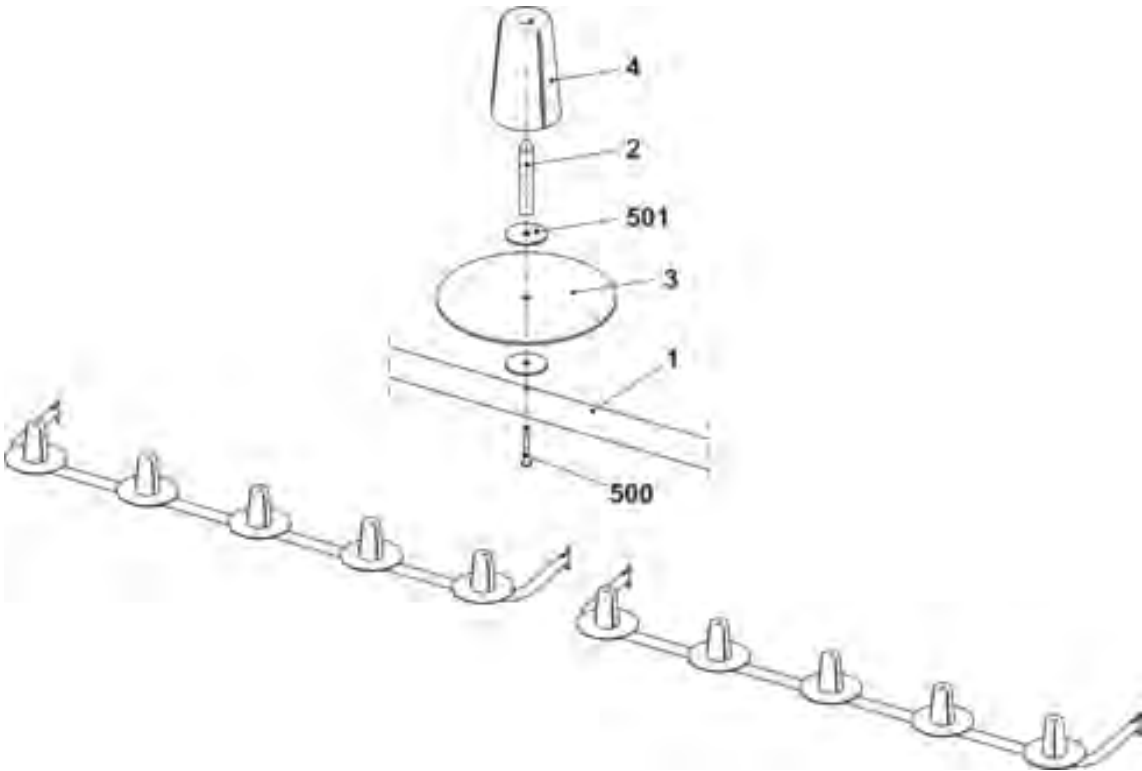
17.10 Clamping and cutting bed on the right

Pos	Designation		Id	Pos	Designation		Id
Σ	Clamping and cutting bed on the right E5-8		253 652	6	Clamp on the right complete		244 602
1	Guide plate on the right E5-14		257 235	10	Catch needle on the right E5-8		244 728
	1a	Guide plate on the right E5-14	257 231	11	Intermediate cam E10-14		244 591
	1b	Cover rail	243 923	12	Coupling part E5-8		253 381
	1c	Cover rail	243 924	13	Intermediate slider with brake E5-8		237 323
	1d	Locating wire	243 925	14	Selection jack E4-8		200 687
	1e	Axle	257 201	15	Selector spring E4-8		200 690
	1f	Guide pin	211 351	16	Holding strip on the right		256 995
	1g	Locating wire	215 927	17	Deflector plate on the right		255 555
	1h	Locating wire	244 589	18	Spring holder		255 724
	510	Dowel pin 3x14	252 771	19	Threaded bolt		255 723
	511	Setscrew M5x5	236 061	500	Cap screw M4x10		023 136
2	Cover on the right complete E5-14		260 966	501	Hexagon nut M4-8		023 046
2a	Springy thrust piece N4		260 235	502	Washer4		020 870
3	Catch hook on the right E5-14		260 968	503	Countersunk head screw M3x10		242 029
4	SliderE5-14		258 050	505	Compression spring 07x4,3x12,1		023 521
5	Blade		243 948	570*	Cap screw M6x20		244 824



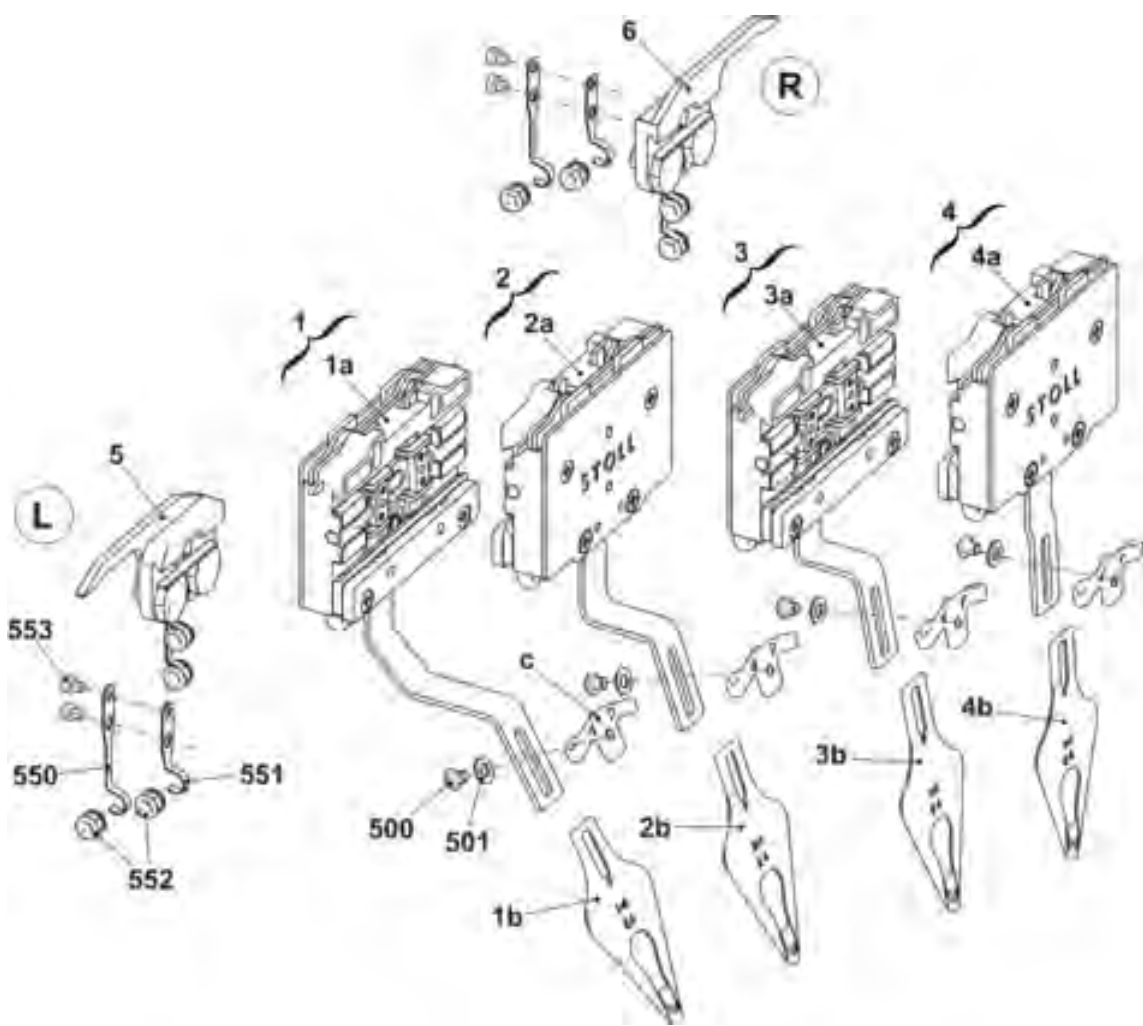
17.11 Additional bobbin board

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Additional bobbin board 7XX/8XX	241 928				
1	Additional bobbin board welded	241 927		4	Bobbin support	200 363
2	Positioning pin	202 777		500	Pan head screw M4x30	023 681
3	DiskD=130	062 385		501	Washer5,3x30x1,25	023 556



17.12 Yarn guide complete IFF E5 | E2.5.2 | E3.5.2 | E5.2

Pos	Designation		Id		Pos	Designation		Id
Σ	Yarn guide complete IFF 24 E5		256 934					
	Yarn guide complete IFF 32 E5		245 161					
1	IFF carriage complete 1+8 E5		259 732		5	Limiter on the left with two eyelets		244 446
	1a	IFF carriage 1+8	259 728			550	Eyelet holder complete	022 324
	1b	Yarn carrier head 1+8 complete E5	244 076			551	Eyelet holder complete	022 323
2	IFF carriage complete 2+7 E5		259 733	552		Eyelet 4,2	021 499	
	2a	IFF carriage 2+7	259 729	553		Cap screw M3,5x4	020 011	
	2b	Yarn carrier head 2+7 complete E5	244 077	6	Limiter on the right with two eyelets		244 445	
3	IFF carriage complete 3+6 E5		259 734		c	Yarn guide angle		242 863
	3a	IFF carriage 3+6	259 730		500	Pan-head screw M4x5		239 549
	3b	Yarn carrier head 3-6 complete E5	244 078		501	Washer4		020 870
4	IFF carriage complete 4+5 E5		259 735					
	4a	IFF carriage 4+5	259 731					
	4b	Yarn carrier head 3-6 complete E5	244 078					



17.13 Yarn guide complete IFF E7 | E8

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E7-8 IFF 24	256 935			
	Yarn guide complete E7-8 IFF 32	245 162			
1	IFF carriage complete 1+8 E7-8	259 736	5	Limiter on the left with two eyelets	244 446
	1a IFF carriage 1+8	259 728		550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E7-8	244 082		551 Eyelet holder complete	022 323
2	IFF carriage complete 2+7 E7-8	259 737		552 Eyelet 4,2	021 499
	2a IFF carriage 2+7	259 729		553 Cap screw M3,5x4	020 011
	2b Yarn carrier head 2+7 complete E7-8	244 083	6	Limiter on the right with two eyelets	244 445
3	IFF carriage complete 3+6 E7-8	259 738	c	Yarn guide angle	242 863
	3a IFF carriage 3+6	259 730	500	Pan-head screw M4x5	239 549
	3b Yarn carrier head 3-6 complete E7-8	244 084	501	Washer4	020 870
4	IFF carriage complete 4+5 E7-8	259 739			
	4a IFF carriage 4+5	259 731			
	4b Yarn carrier head 3-6 complete E7-8	244 084			

