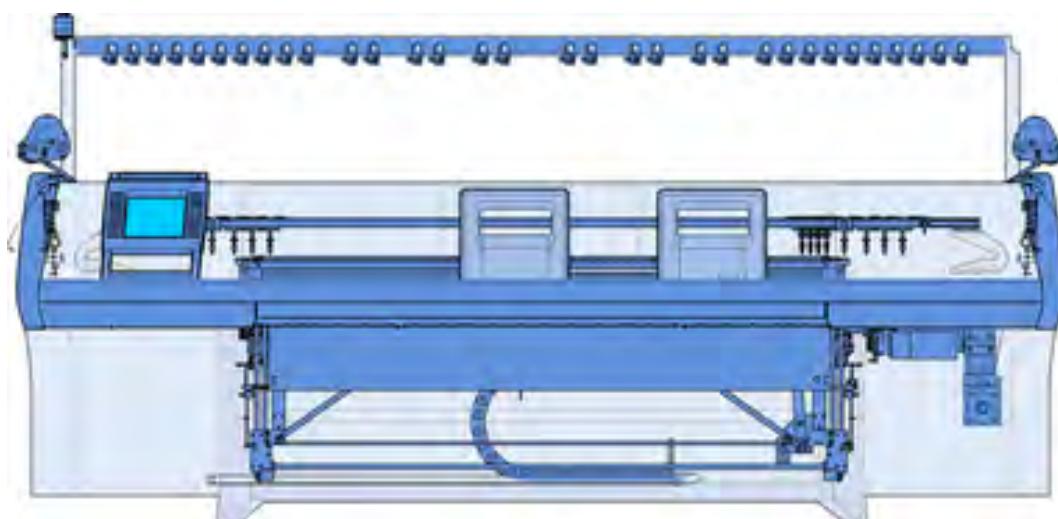


# Spare-parts catalog

## CMS 822 (Type 632)

### Component type 000

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|E2,5.2 mg|E3,5.2 mg|E5.2 mg





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# 1 Introduction

## Imprint

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

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
$\Sigma$	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

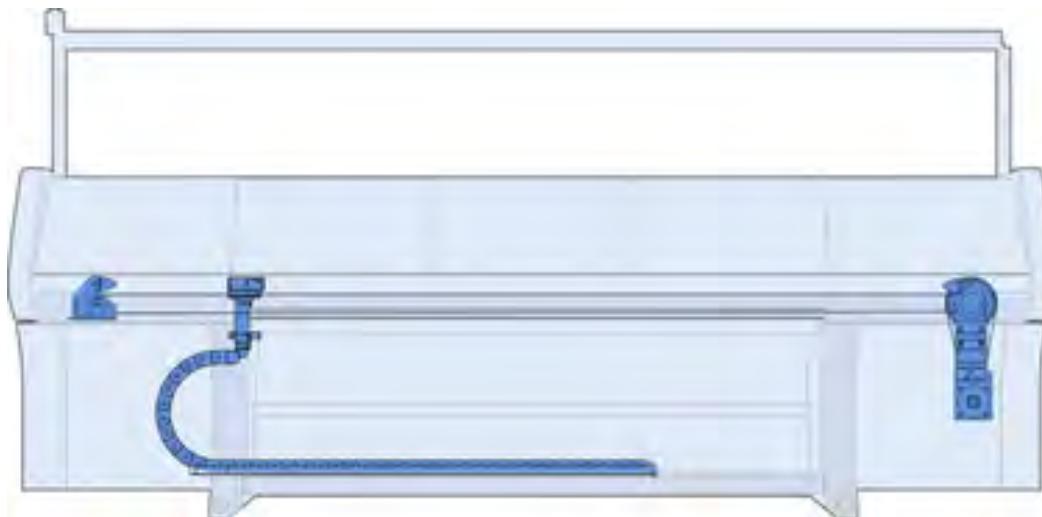
Drehmomente Torques Couples Coppias Momentos de rotación	Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clases de resistencia	4,8	8,8	12,9
[Nm] ± 10 % (für $\mu_{\text{ges}} = 0,12$ )				
Regelgewinde Coarse-pitch thread	M3	0,6	1,2	2,5
Filetage à pas gros	M4	1,2	2,5	5
Filetto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

Preferential row of screw torques

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

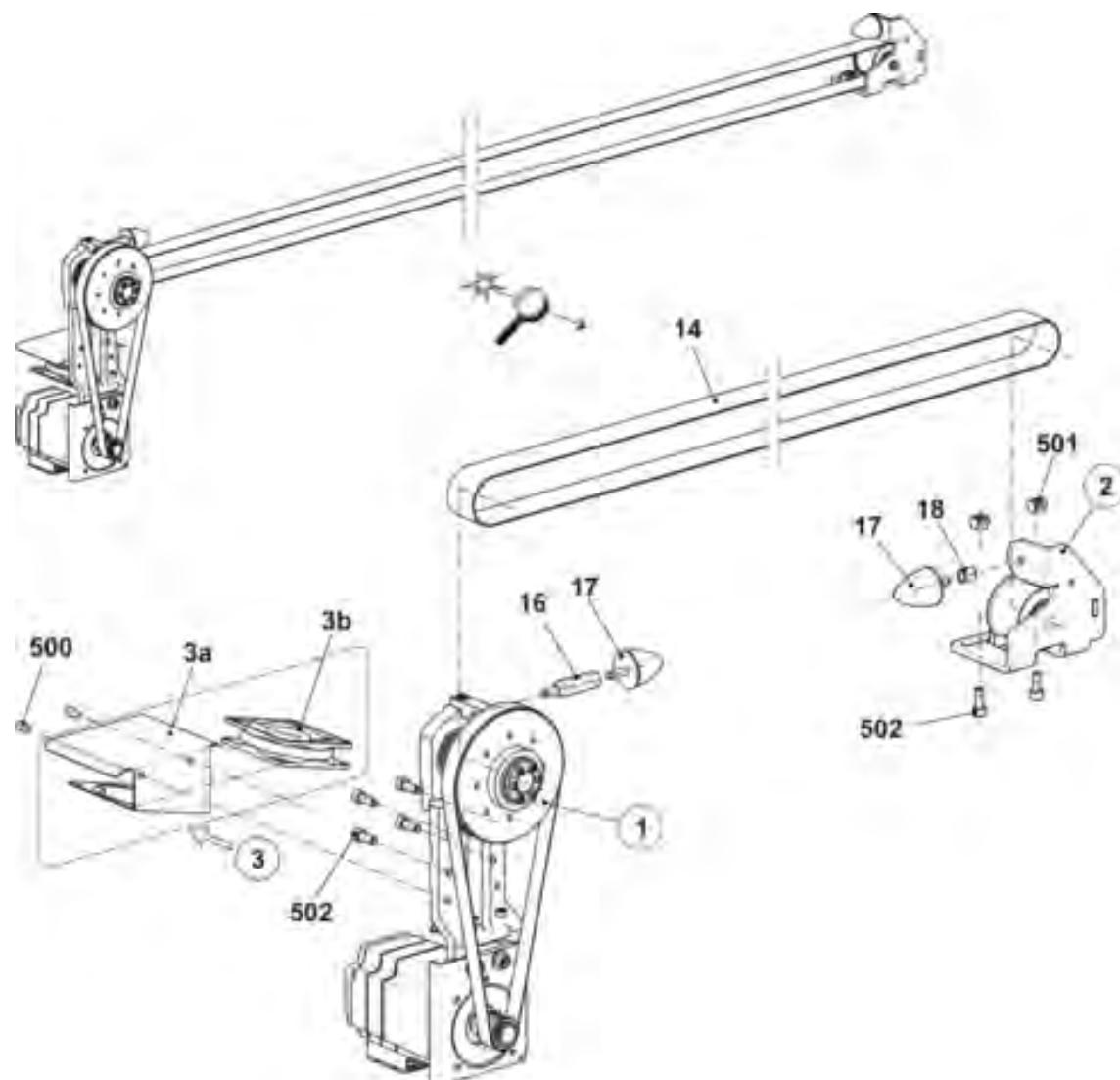
Notes:

## 2 Carriage drive



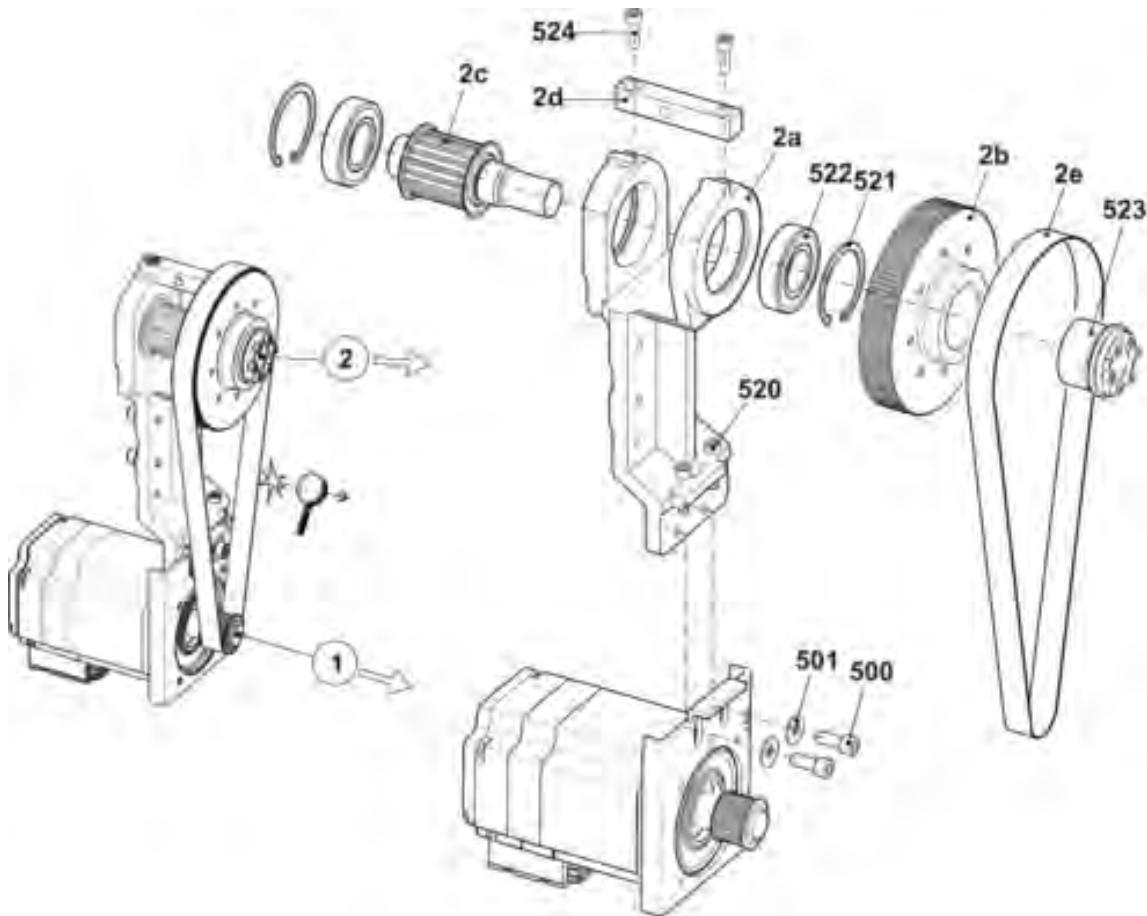
## 2.1 Drive

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	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

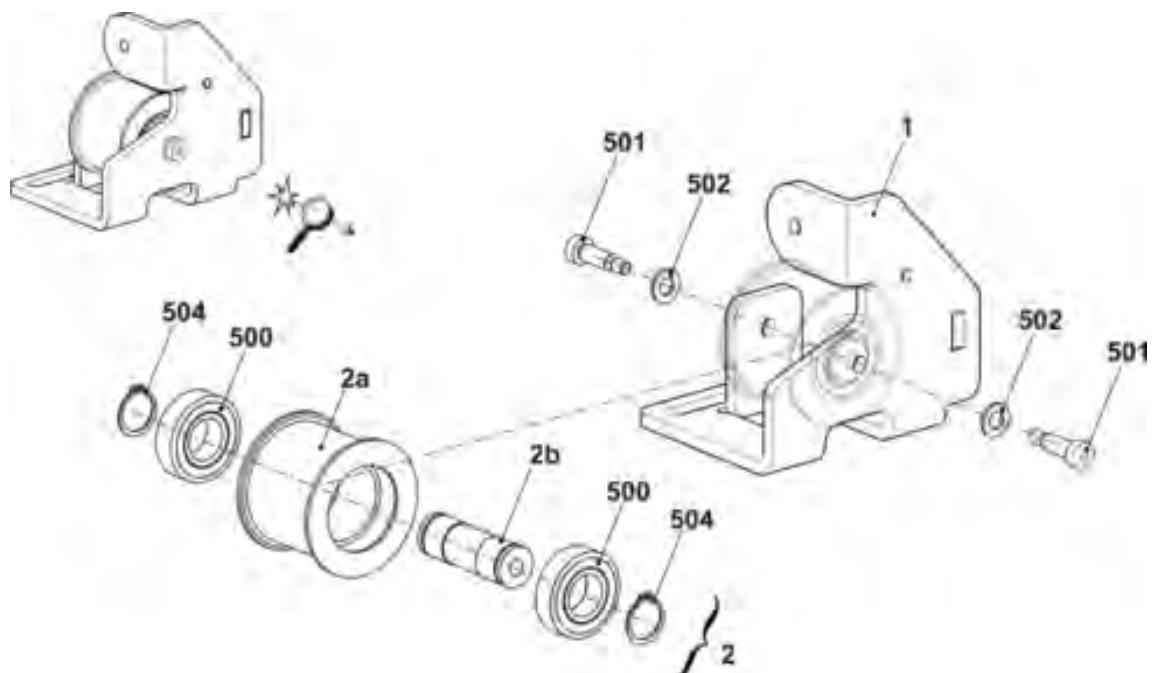
Pos	Designation	Id		Pos	Designation	Id
<b>Σ</b>	Drive unit complete	240 743				
1	Drive unit	256 301		2d	Support of buffer	222 100
500	Cap screw M10X25	020 157		2e	Toothed belt 250 HP-S5M 1050 NG	240 628
501	Disk 10,5X25X2,5	022 178		520	Cap screw M8X35	020 144
2	Drive bearing complete	240 742		521	Locking ring 68x2,5	022 914
2a	Drive bearing	241 654		522	Grooved ball bearing 6207-2RS	022 915
2b	Toothed belt pulley	240 616		523	Tension set 30X55	023 208
2c	Pinion 57 AT10 18	242 039		524	Cap screw M8X25 12.9	020 142



## 2.1 Drive

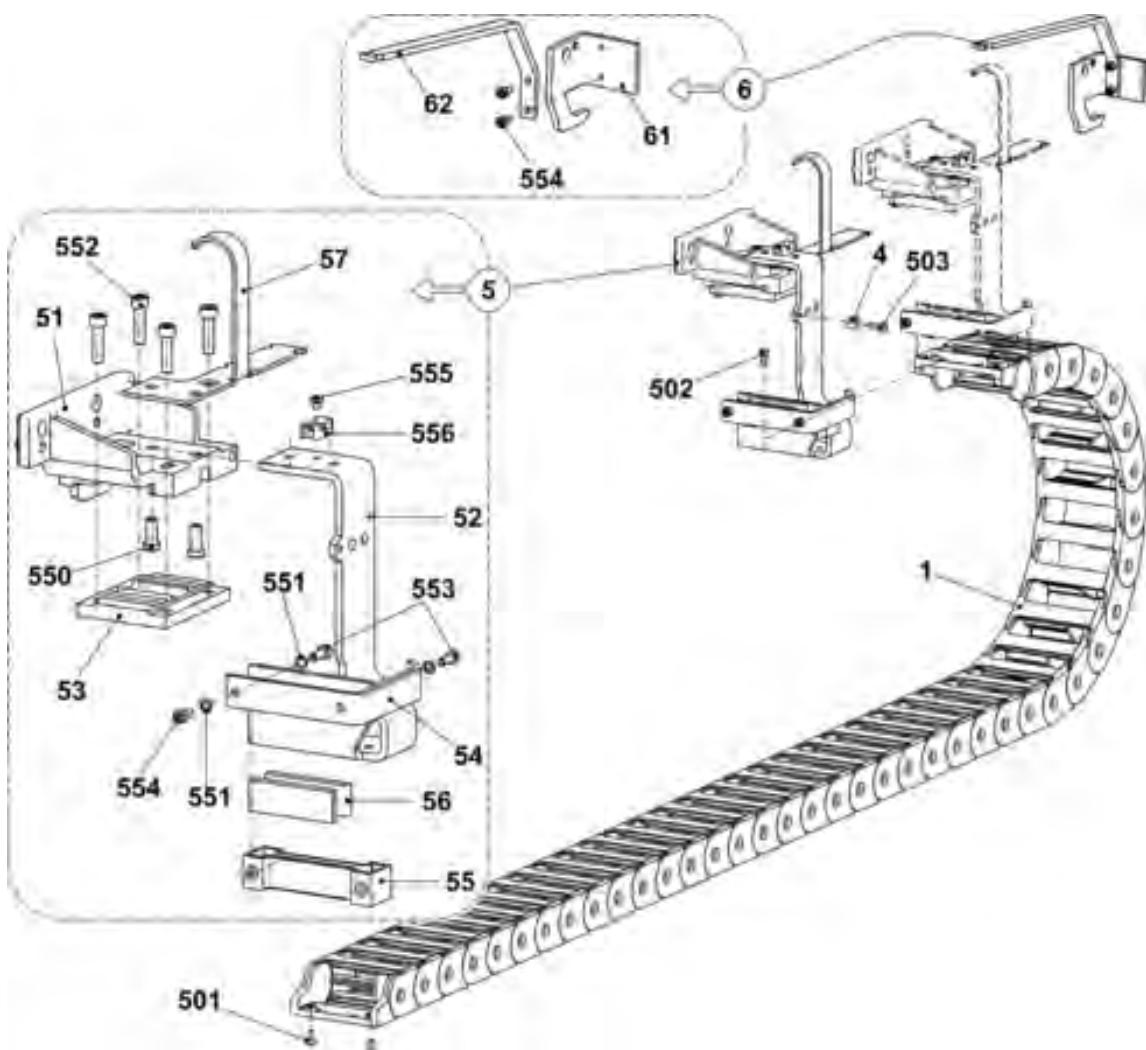
## 2.1.2 Tension bearing

Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Tension bearing complete	251 581		500	Grooved ball bearing 625-6305-2RS	255 686
1	Tension bearing	251 560		504	Locking ring 471-25x1,2	251 617
2	Tension roller complete	256 640		501	Cap screw M10x25	023 751
2a	Tension roller	255 684		502	U-washer	020 874
2b	Axle	251 579				



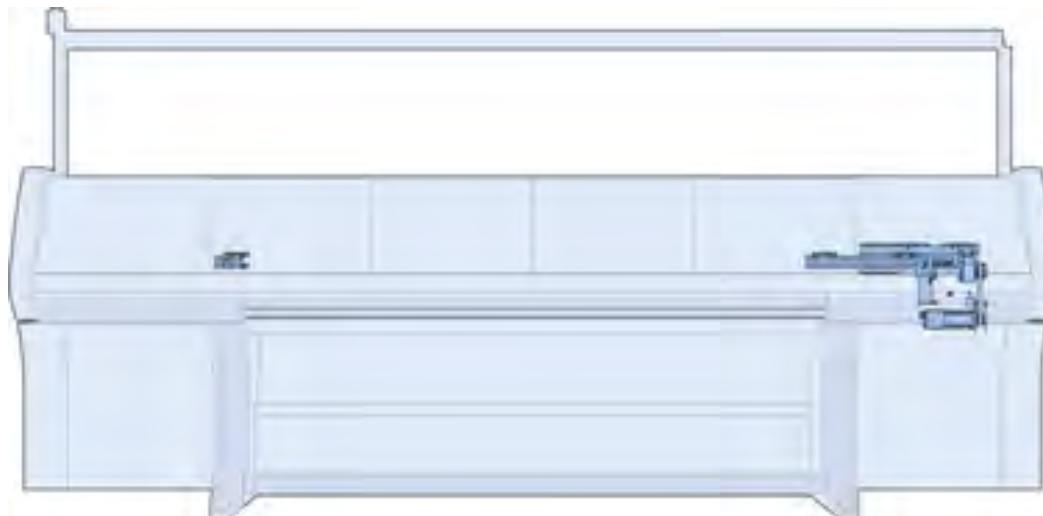
## 2.2 Energy chain and plunger

Pos	Designation	Id	Pos	Designation	Id
1	Energy chain 41 links	236 927	5	Continuation carriage driver complete	
4	Threaded spacer	214 584		550	Cap screw M8x20-8.8
501	Cap screw M6x8	023 411		551	CirclipS6
502	Cap screw M6x12	020 134		552	Cap screw M8x30
503	Cap screw M6x16	020 135		553	Cap screw M6x16
5	Carriage driver complete	242 803		554	Cap screw M6x12
51	Carriage driver 2 cam box	242 255		555	Pan-head screw M5x6
52	Cable driver	251 262		556	Fixing element
53	Clamping plate	226 111	6	Stop point complete	242 776
54	Cover strip	230 698		61	Stop point
55	Cable holder	204 688		62	Cable holder
56	Cellular caoutchouc black	202 597		554	Cap screw M6x12
57	Retaining plate	226 129			



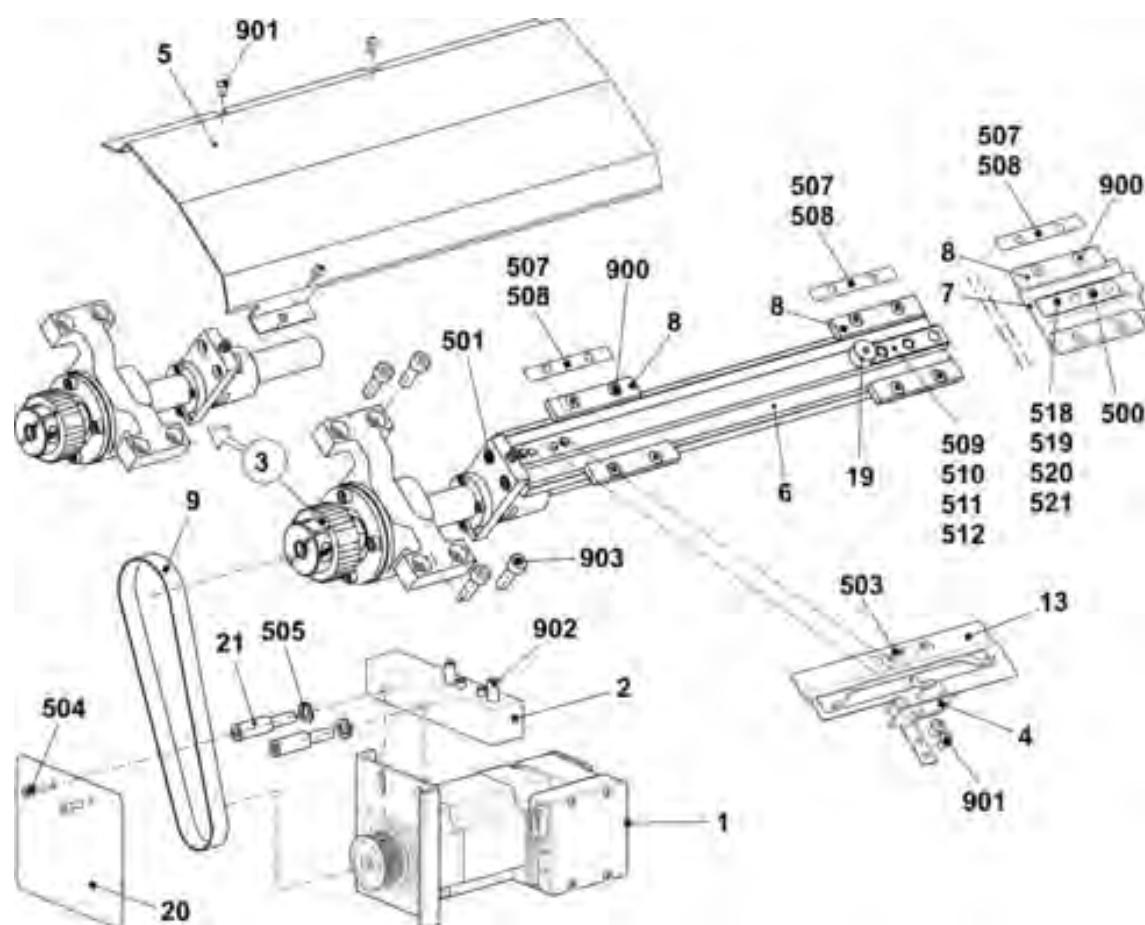
Notes:

## 3 Racking



### 3.1 Racking drive

Pos	Designation	Id	Pos	Designation	Id
<b>Σ</b>	<b>Racking</b>				
1	Racking motor complete	258 192	504	Cap screw M5x12	020 132
2	Bearing	227 605	505	U-washer	022 175
3	Spindle bearing complete	253 262	507	Shim 0,03x11x80	023 286
4	Card racking limit switch	229 396	508	Shim 0,05x11x80	023 287
5	Racking cover plate	230 048	509	Shim 0,03x15x85	023 162
6	Racking strip	241 921	510	Shim 0,05x15x85	023 163
7	Racking strip on the left	240 696	511	Shim 0,1x15x85	023 164
8	Guide strip	206 382	512	Shim 0,2x15x85	023 170
9	Toothed belt 150 S 5M 490	229 281	518	Shim 0,03x15x75	023 395
13	Switch plate	240 722	519	Shim 0,05x15x75	023 396
19	Stop screw	221 386	520	Shim 0,1x15x75	023 397
20	Cover plate	232 544	521	Shim 0,2x15x75	023 398
21	Distance bolt	232 543	900	Cap screw M6x12	022 795
500	Cap screw M4x4	022 767	901	Countersunk screw M6x10	023 183
501	Cap screw M6X16	023 116	902	Cap screw M8x30	020 143
503	Countersunk screw M6x10	023 183	903	Cap screw M8x25	020 142



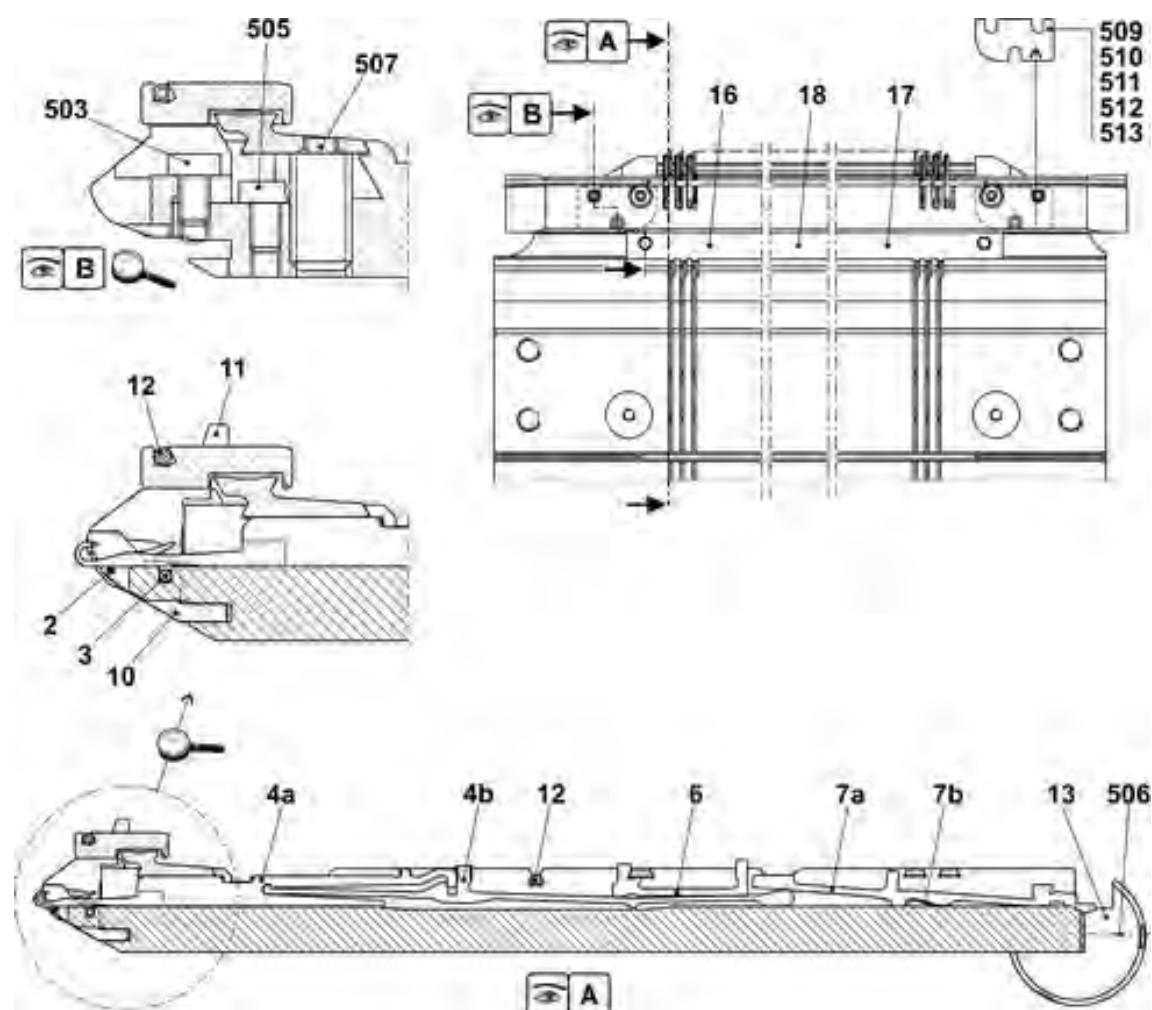
## 4 Needle beds



## 4.1 Needle bed E5

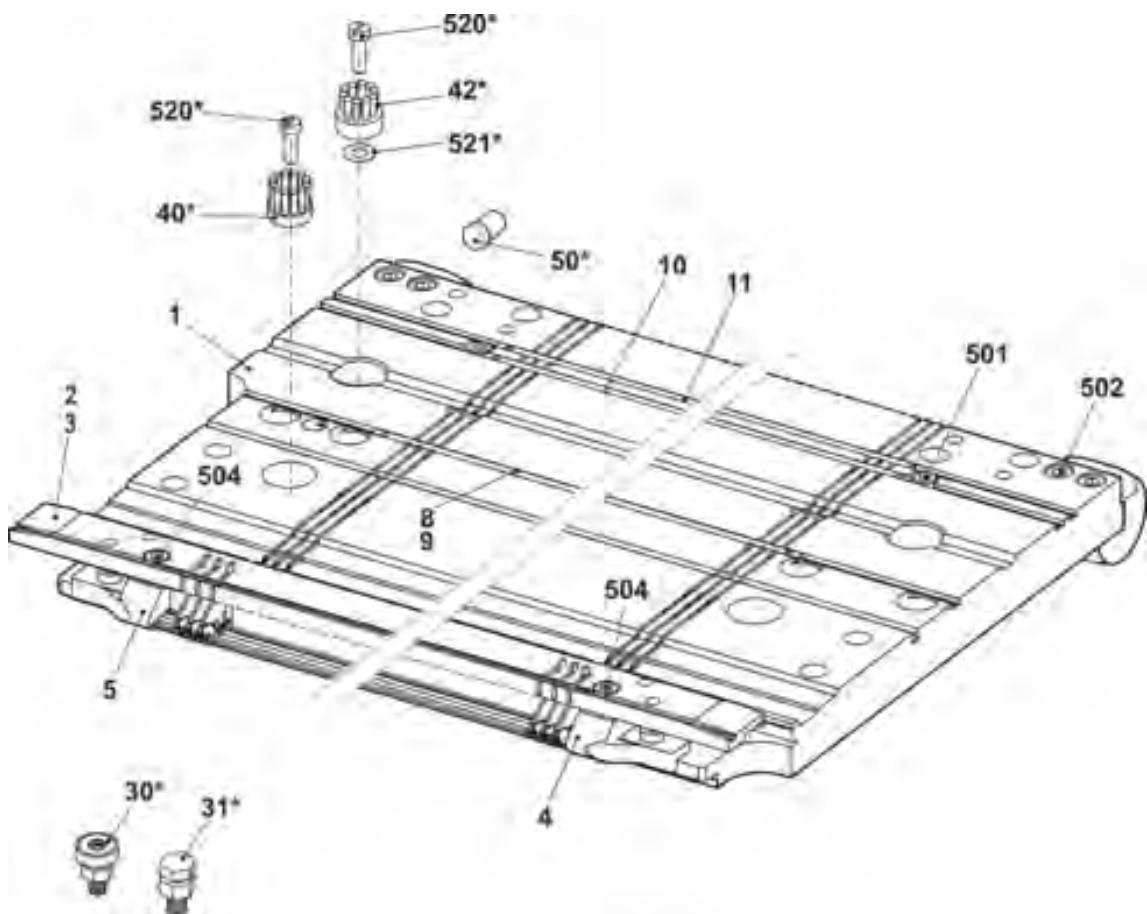
## 4.1 Needle bed E5

Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Needle bed complete at the front + rear E5	238 217		16	Needle bar on the left	205 311
2	Spring steel wire E4-5 Ø1.0	237 406		17	Needle bar on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle bar in the middle	237 387
4a	Needle E5-E6 with round hook	205 396		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-8	237 323		506	Setscrew M6x12-45	022 400
7a	Selection jack E4-8	200 687		507	Sprung pressure piece B-M10	023 177
7b	Selector spring E4-8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E5	204 996		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack E5	205 031		511	Shim 0.05x18.5x34	023 196
12	Locating wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



## 4.1.1 Continuation needle bed E5

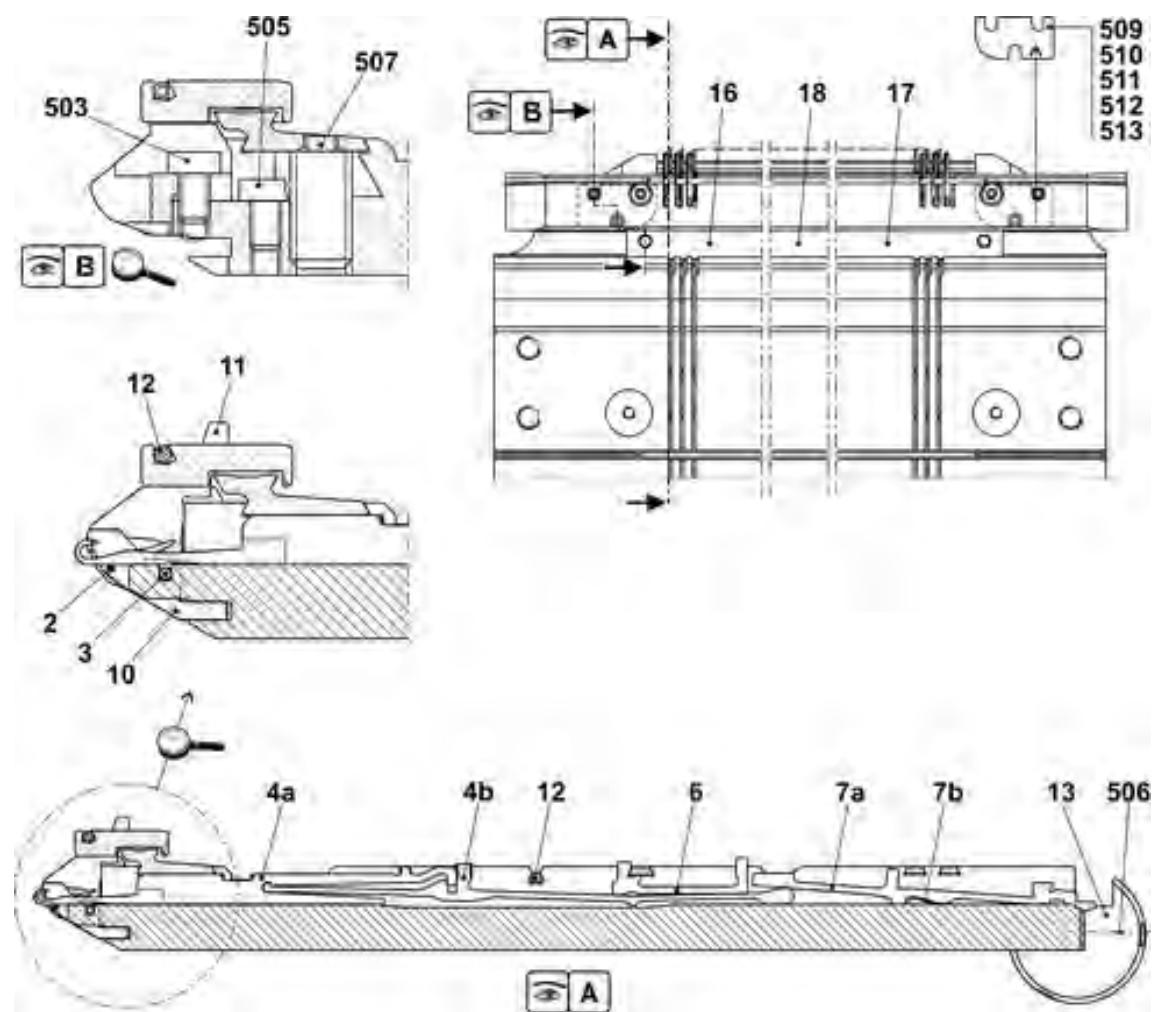
Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rear E5	238 217	501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E5	238 005	502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E5	238 027	504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E5	238 021	30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343	31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344	40*	Disk brush	235 612
8	Cover rail at the rear	237 379	42*	Disk brush	235 612
9	Cover rail at the front E5	237 377	50*	Adjusting bolt	240 765
10	Cover rail	237 382	520*	Cap screw M5x12	020 032
11	Cover rail	237 383	521*	Adjusting washer P6x12x0.3	023 540



## 4.2 Needle bed E7

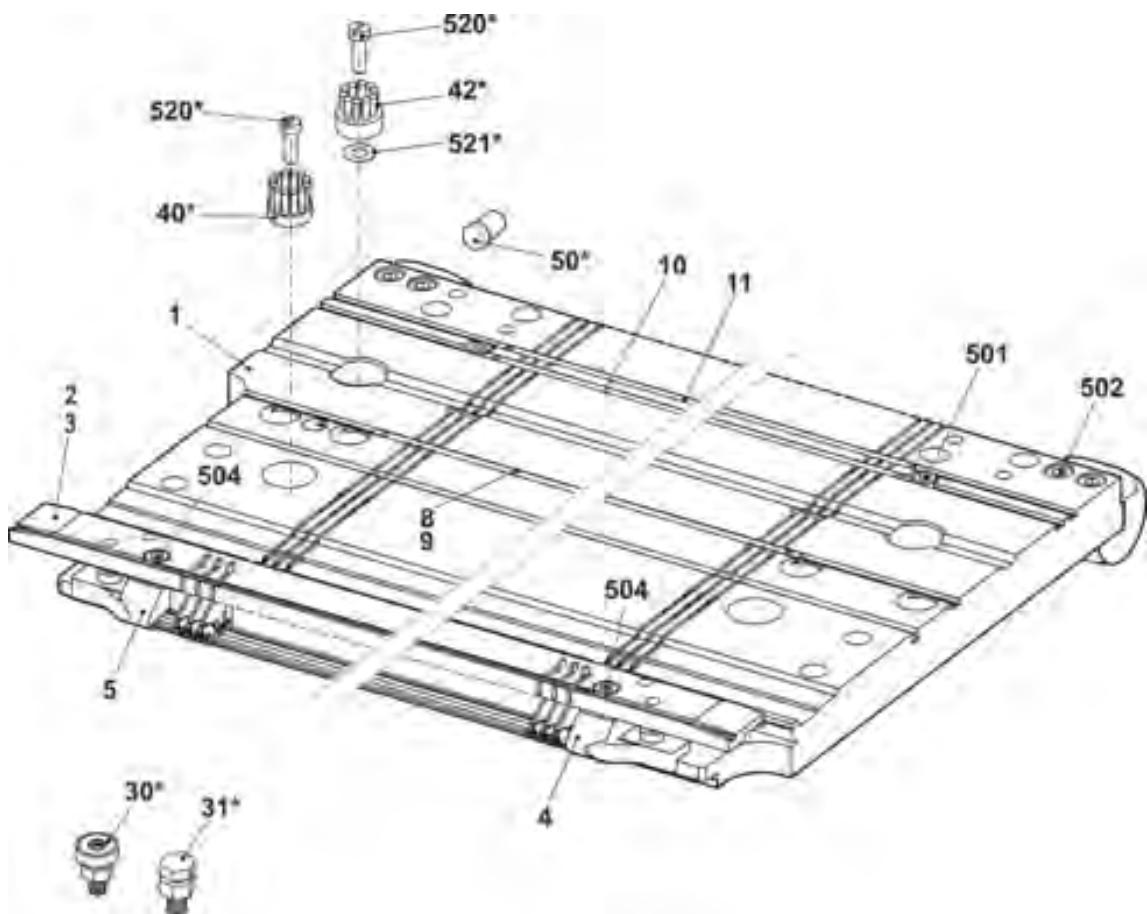
## 4.2 Needle bed E7

Pos	Designation	Id		Pos	Designation	Id
<b>Σ</b>	Needle bed complete at the front + rear E7	238 218		16	Needle rail on the left	205 311
2	Spring steel wire E7-8 Ø0.8	227 078		17	Needle rail on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle rail in the middle	237 387
4a	Needle E7 with round hook	205 397		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-E8	237 323		506	Set screw M6x12-45	022 400
A7	Selection jack E4-8	200 687		507	Sprung thrust piece B-M10	023 177
7b	Selector spring E4-8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E7	207 055		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack E7	205 032		511	Shim 0.05x18.5x34	023 196
12	Fixed wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



**4.2.1 Continuation needle bed E7**

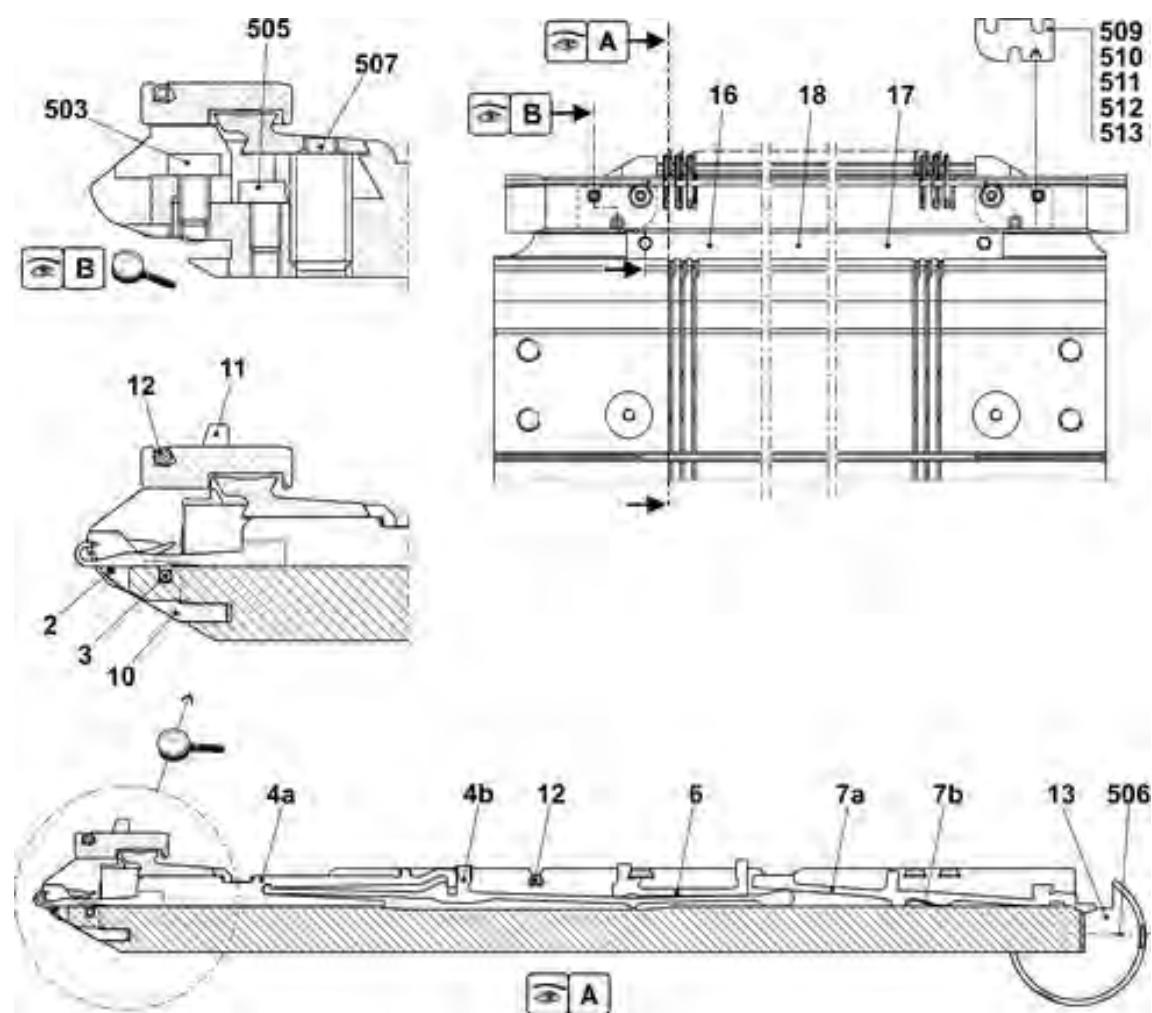
Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Needle bed complete at the front + rear E7	238 218	501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E7	238 006	502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E7	238 028	504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E7	238 022	30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343	31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344	40*	Disk brush	235 612
8	Cover rail at the rear	237 379	42*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018	50*	Adjusting bolt	240 765
10	Cover rail	237 382	520*	Cap screw M5x12	020 032
11	Cover rail	237 383	521*	Adjusting washer P6x12x0.3	023 540



## 4.3 Needle bed E8

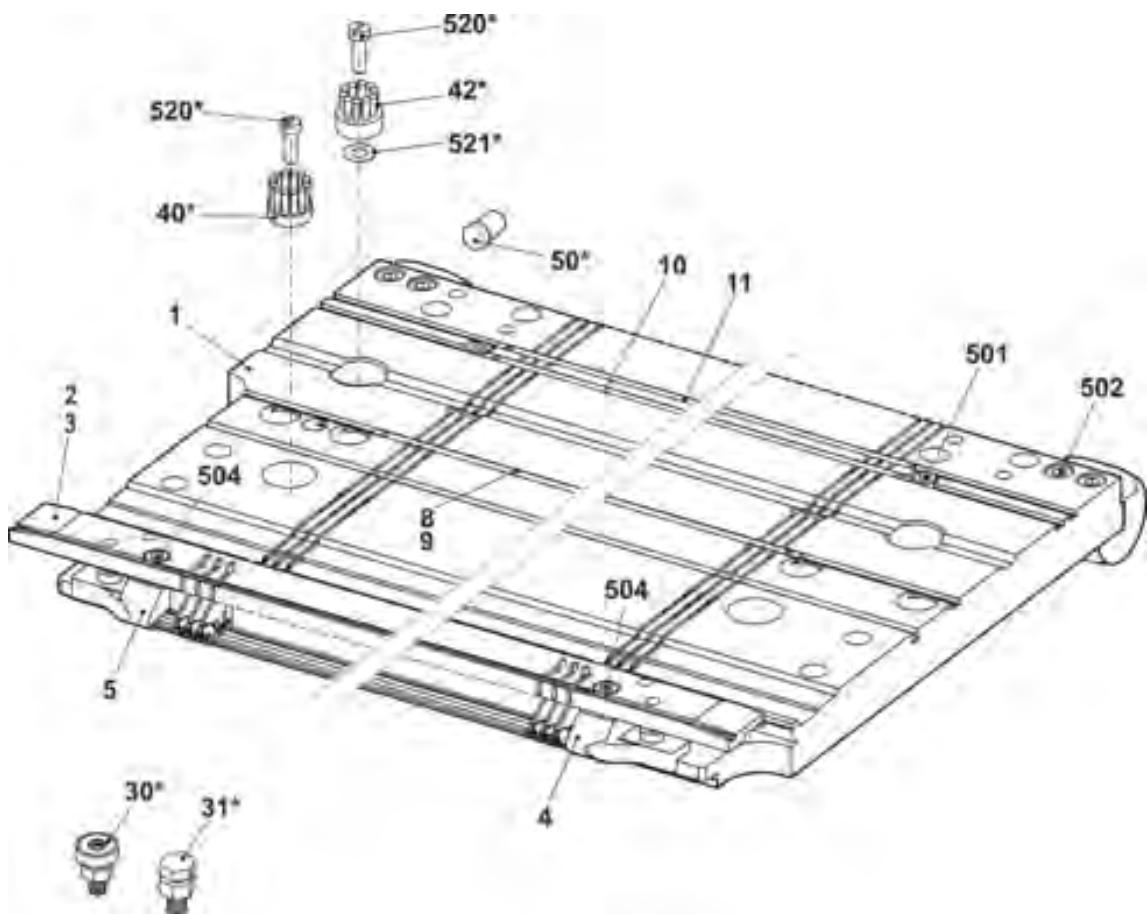
## 4.3 Needle bed E8

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Needle bed complete at the front and rear E8	238 219		16	Needle rail on the left	205 311
2	Spring steel wire E7-8 Ø0.8	227 078		17	Needle rail on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle rail in the middle	237 387
4a	Needle E8 with round hook	208 745		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-E8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider E5-E8	237 323		506	Set screw M6x12-45	022 400
7a	Selection jack E4-E8	200 687		507	Sprung thrust piece B-M10	023 177
7b	Selector spring E4-E8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E8	207 054		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack E8	205 028		511	Shim 0.05x18.5x34	023 196
12	Fixed wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



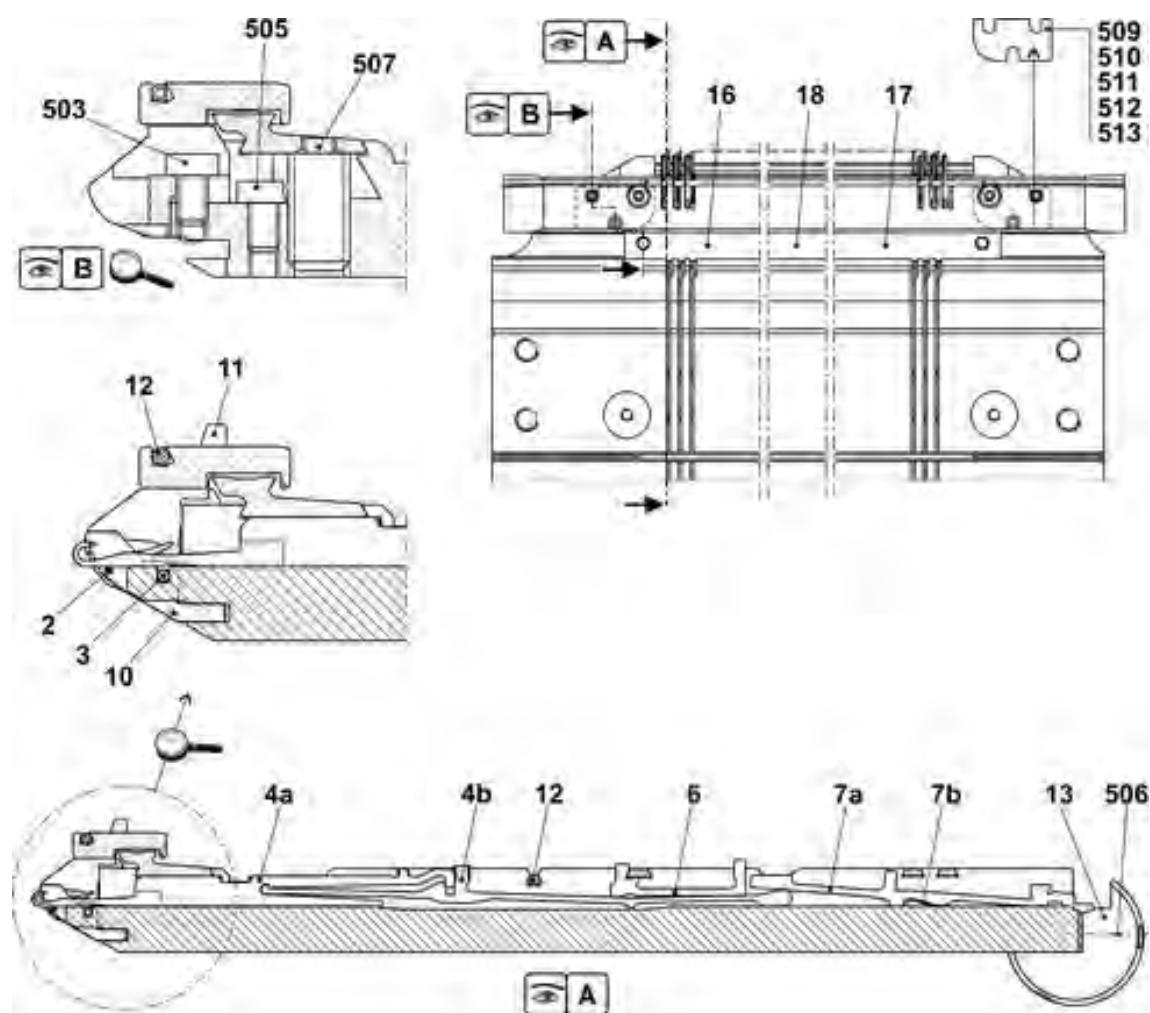
## 4.3.1 Continuation needle bed E8

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front and rear E8	238 219	501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E8	238 007	502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E8	238 029	504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E8	238 023	30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343	31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344	40*	Disk brush	235 612
8	Cover rail at the rear	237 379	42*	Disk brush	235 612
9	Cover rail at the front E8	238 015	50*	Adjusting bolt	240 765
10	Cover rail	237 382	520*	Cap screw M5x12	020 032
11	Cover rail	237 383	521*	Adjusting washer P6x12x0.3	023 540



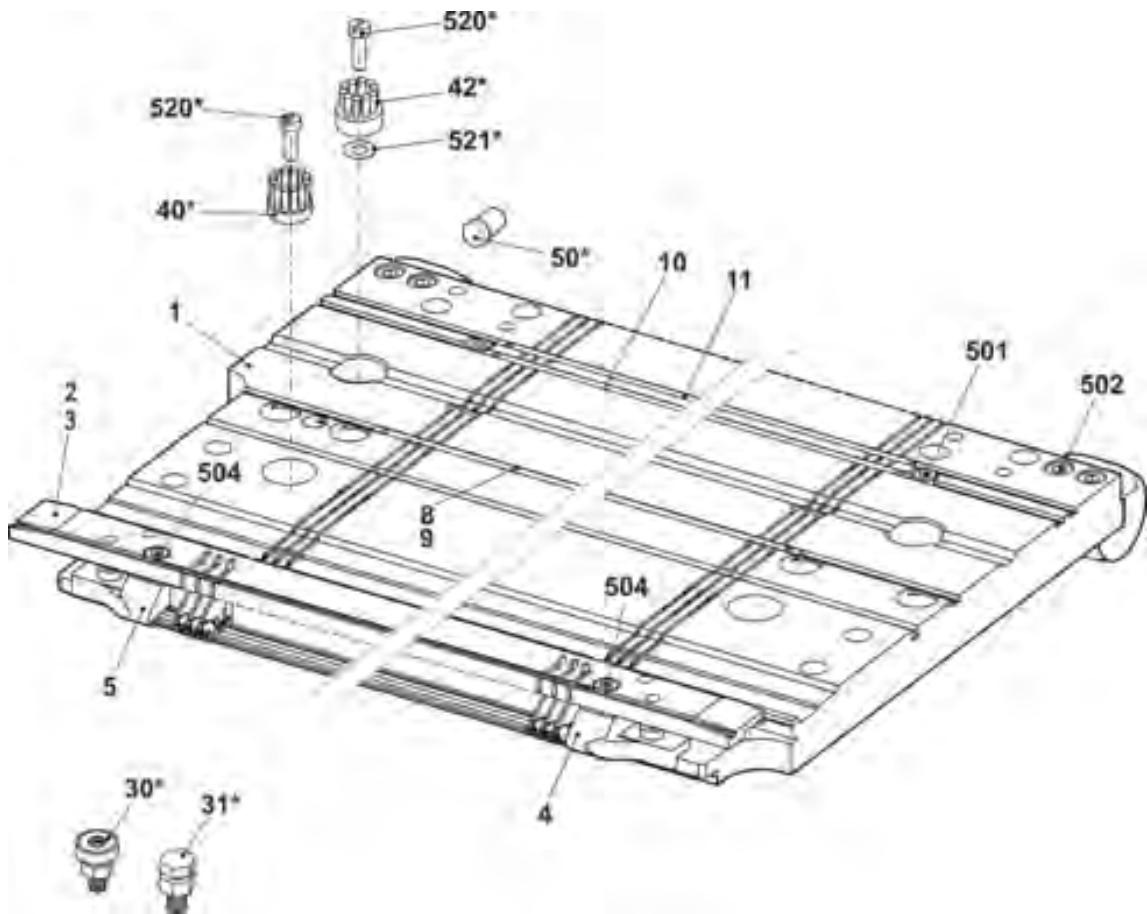
## 4.4 Needle bed E5m.4

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Needle bed complete at the front + rear E5m.7	238 242		16	Needle rail on the left	205 311
2	Spring steel wire E4-5 Ø1.0	237 406		17	Needle rail on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle rail in the middle	237 387
4a	Needle E2,5.2-3,5.2	232 581		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-E8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-E8	237 323		506	Set screw M6x12-45	022 400
7a	Selection jack E4-E8	200 687		507	Sprung thrust piece B-M10	023 177
7b	Selector spring E4-E8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E5	204 996		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack E5	205 031		511	Shim 0.05x18.5x34	023 196
12	Fixed wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



## 4.4.1 Continuation needle bed E5m.4

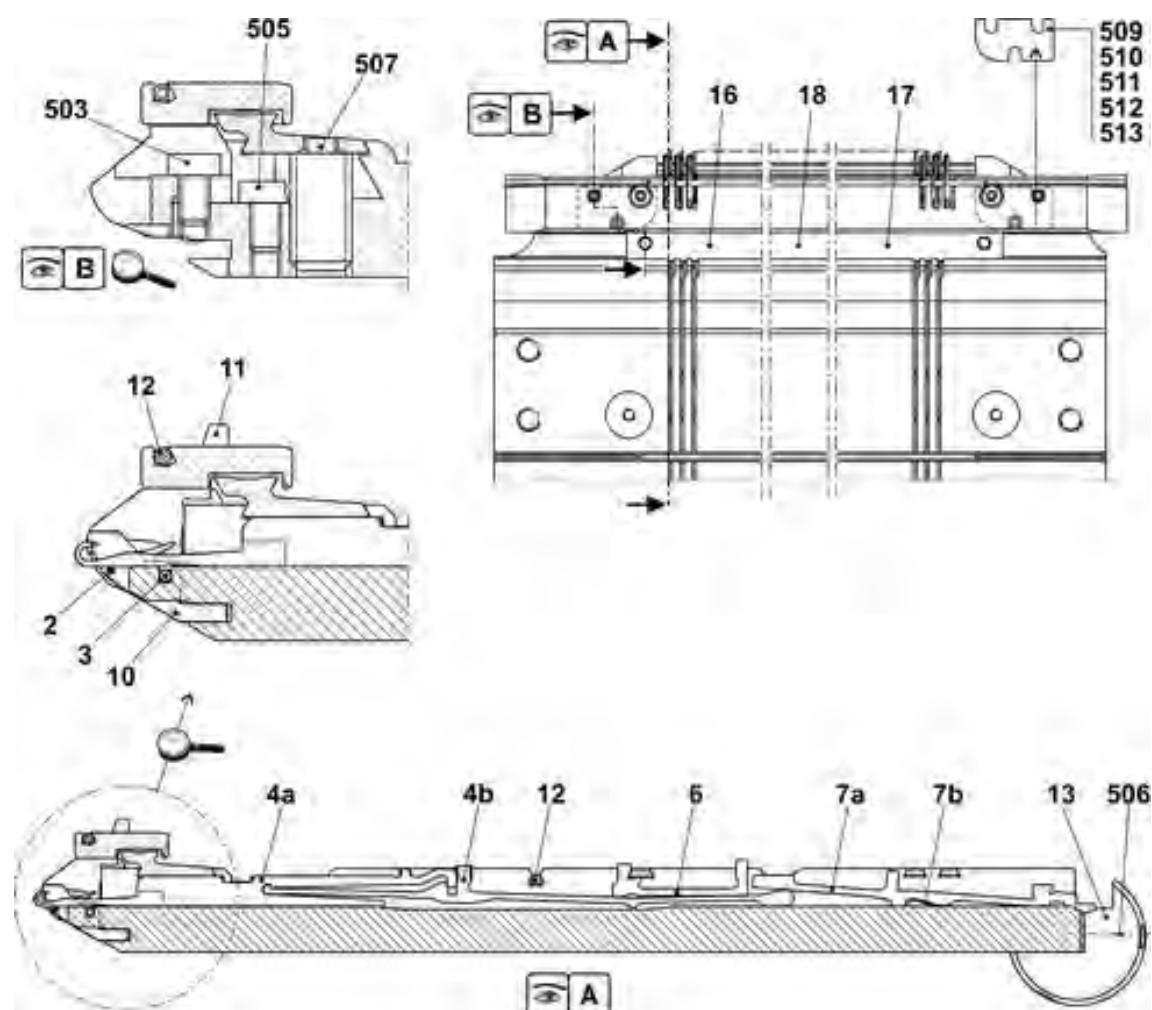
Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Needle bed complete at the front + rear E5m.4	238 242	501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E5	238 005	502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E5	238 027	504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E5	238 021	30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343	31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344	40*	Disk brush	235 612
8	Cover rail at the rear	237 379	42*	Disk brush	235 612
9	Cover rail at the front E5	237 377	50*	Adjusting bolt	240 765
10	Cover rail	237 382	520*	Cap screw M5x12	020 032
11	Cover rail	237 383	521*	Adjusting washer P6x12x0.3	023 540



## 4.5 Needle bed E7m.5

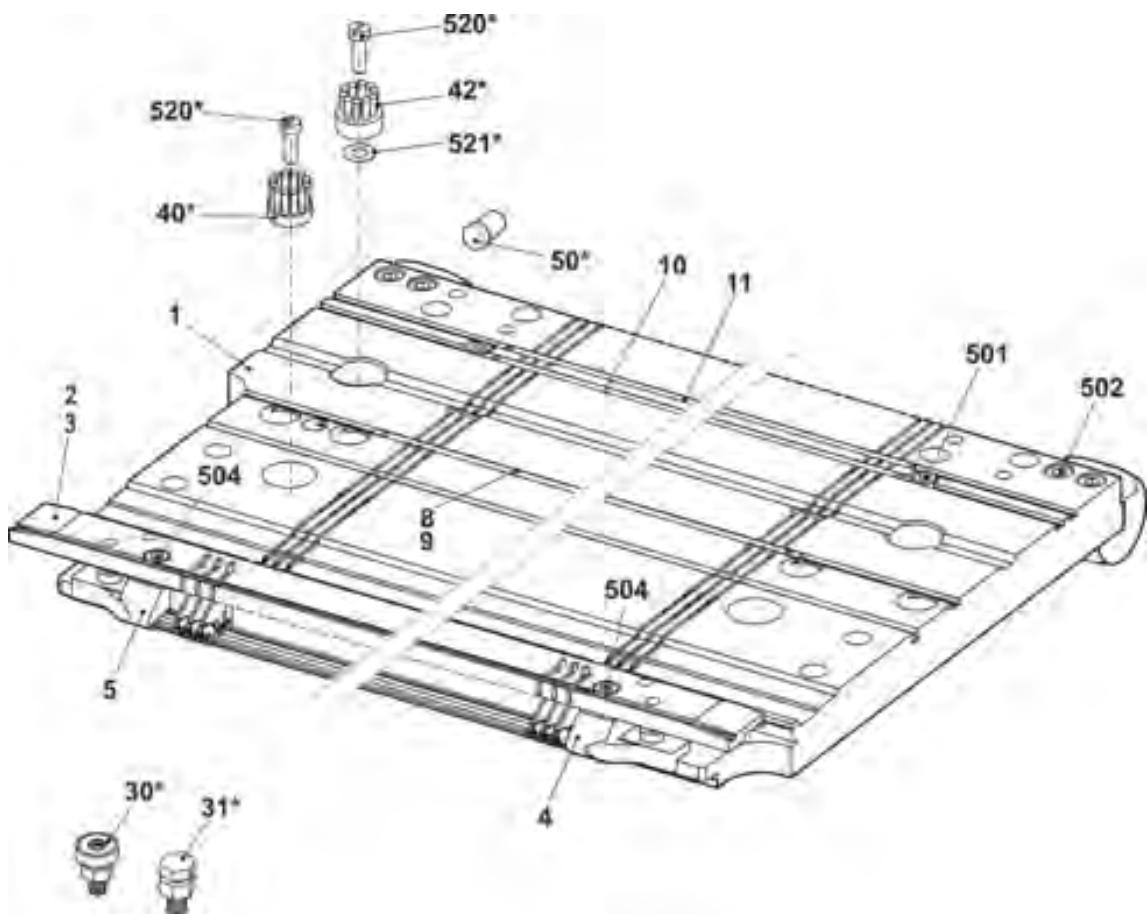
## 4.5 Needle bed E7m.5

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Needle bed complete at the front + rear E7m.5	238 243		16	Needle rail on the left	205 311
2	Spring steel wire E7-8 Ø0.8	227 078		17	Needle rail on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle rail in the middle	237 387
4a	Needle E5-6 with round hook	205 396		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-E8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-E8	237 323		506	Set screw M6x12-45	022 400
7a	Selection jack E4-E8	200 687		507	Sprung thrust piece B-M10	023 177
7b	Selector spring E4-E8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E7	207 055		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack E7	205 032		511	Shim 0.05x18.5x34	023 196
12	Fixed wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



## 4.5.1 Continuation needle bed E7m.5

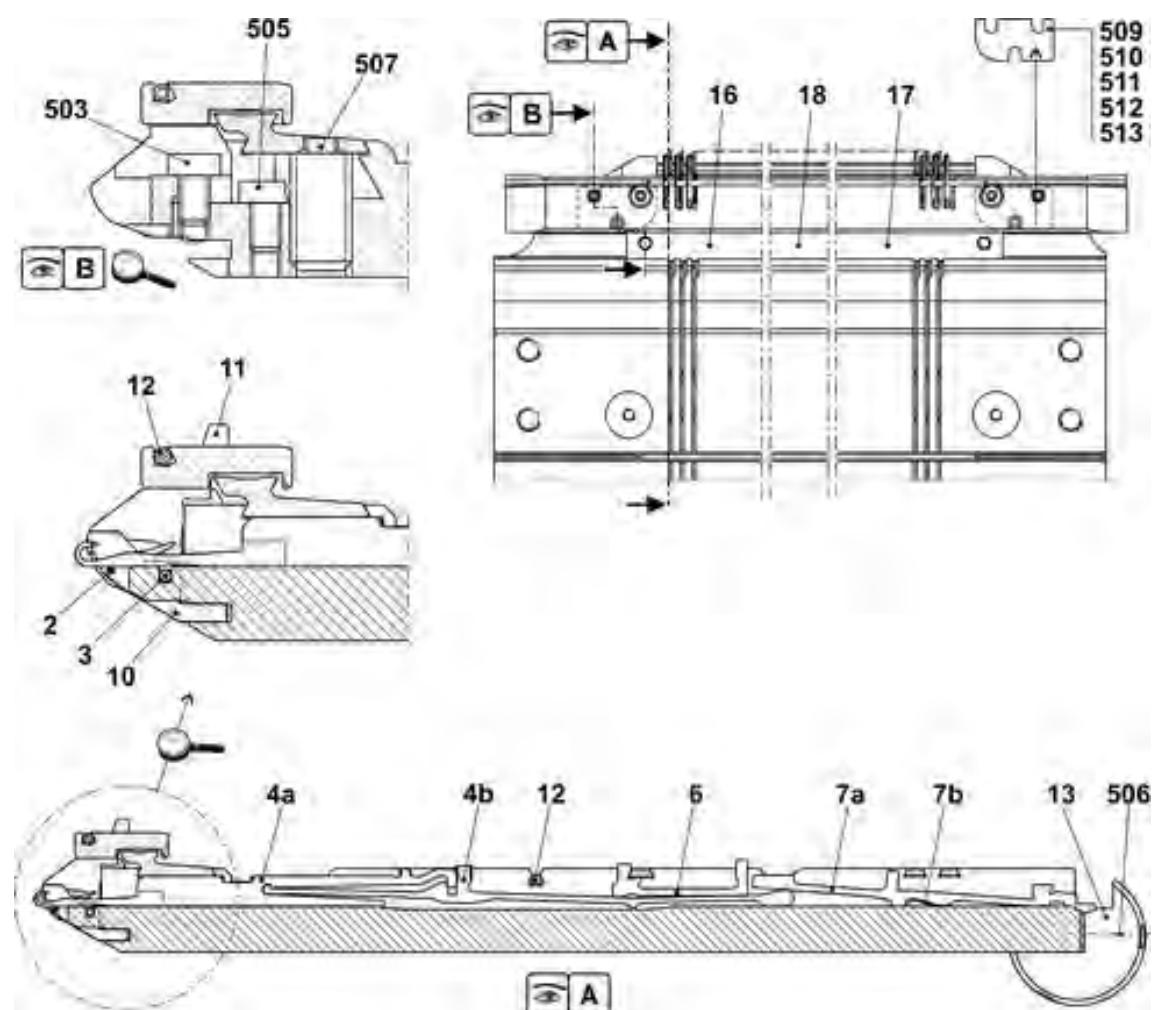
Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Needle bed complete at the front + rear E7m.5	238 243	501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E7	238 006	502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E7	238 028	504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E7	238 022	30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343	31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344	40*	Disk brush	235 612
8	Cover rail at the rear	237 379	42*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018	50*	Adjusting bolt	240 765
10	Cover rail	237 382	520*	Cap screw M5x12	020 032
11	Cover rail	237 383	521*	Adjusting washer P6x12x0.3	023 540



## 4.6 Needle bed E7m.8

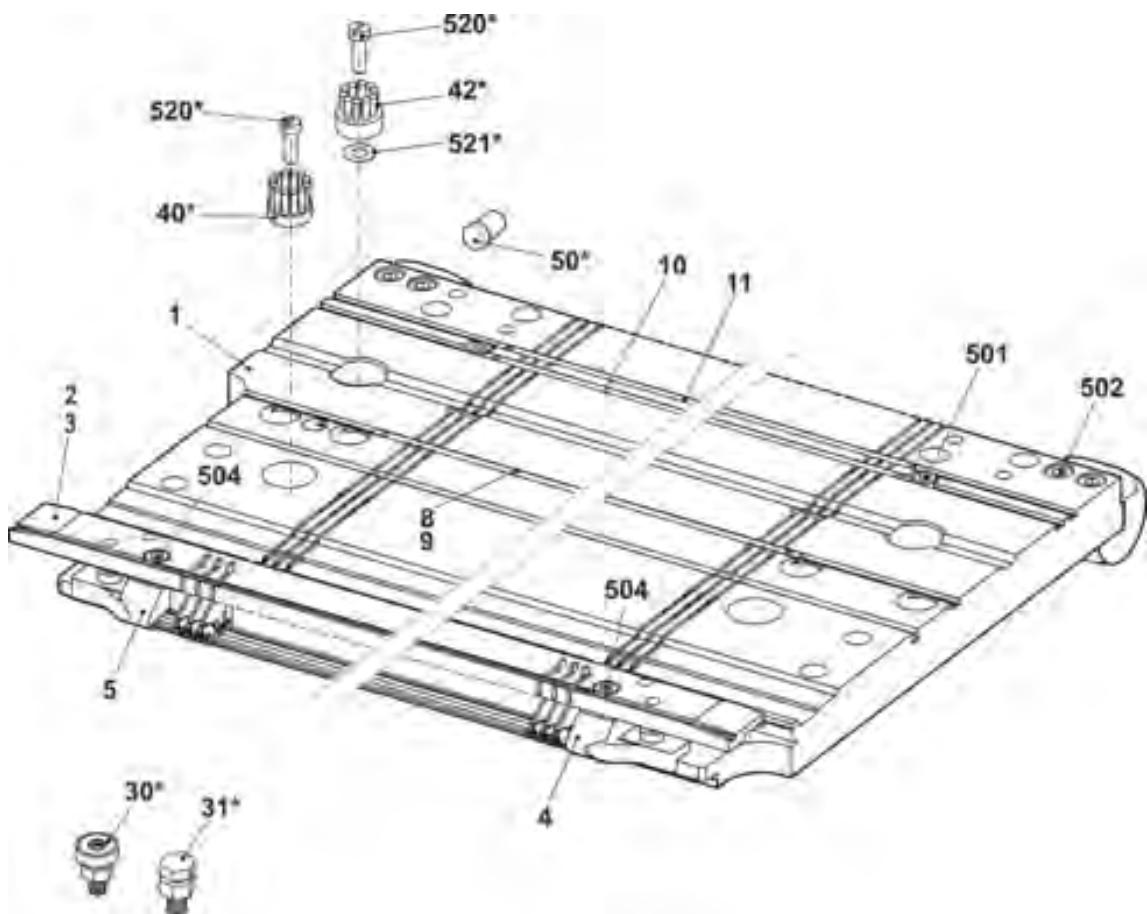
## 4.6 Needle bed E7m.8

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Needle bed complete at the front + rear E7	238 244		16	Needle rail on the left	205 311
2	Spring steel wire E7-8 Ø0.8	227 078		17	Needle rail on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle rail in the middle	237 387
4a	Needle E8 with round hook	208 745		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-E8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-E8	237 323		506	Set screw M6x12-45	022 400
7a	Selection jack E4-E8	200 687		507	Sprung thrust piece B-M10	023 177
7b	Selector spring E4-E8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E7	207 055		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack E7	205 032		511	Shim 0.05x18.5x34	023 196
12	Fixed wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



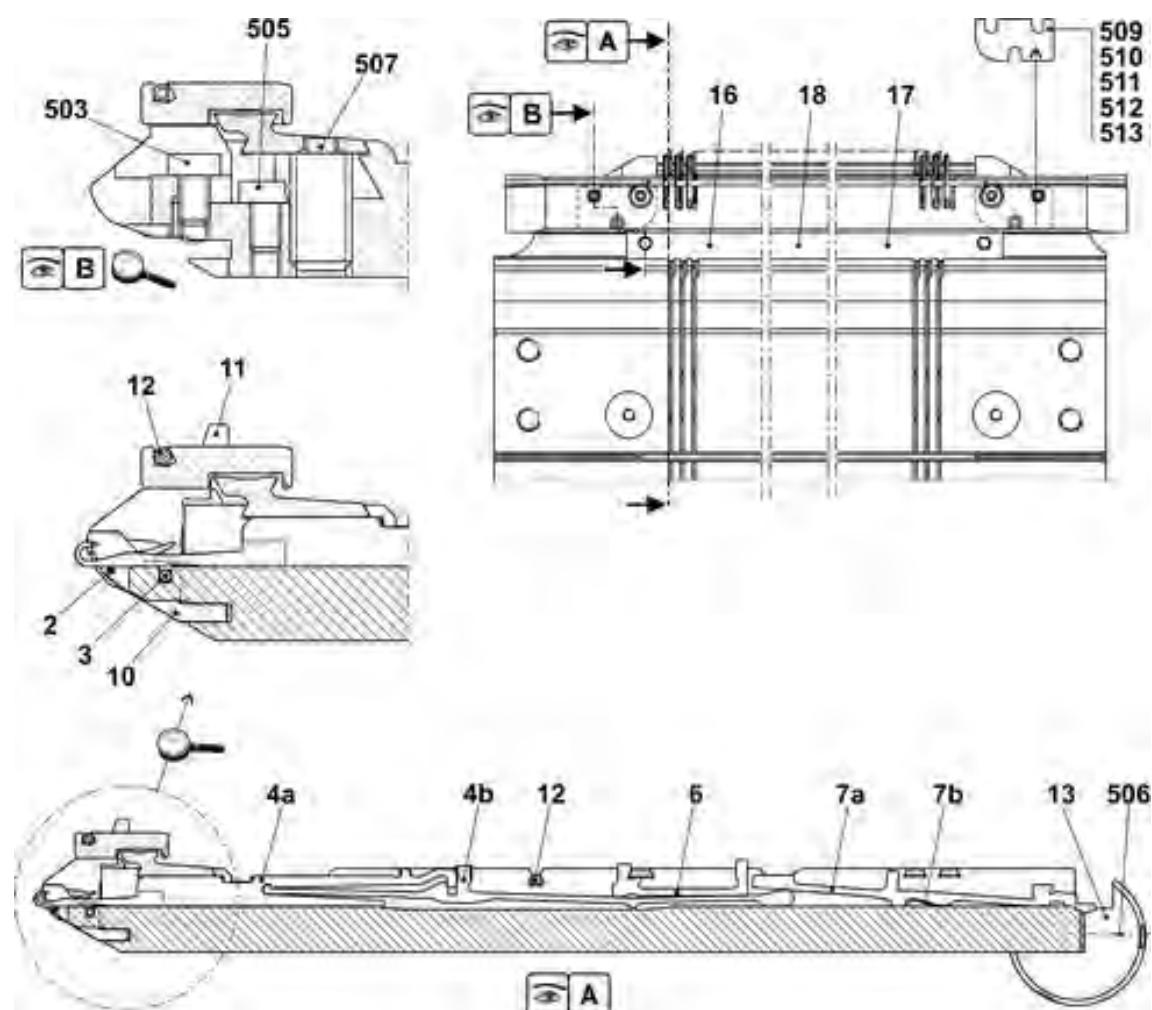
## 4.6.1 Continuation needle bed E7m.8

Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Needle bed complete at the front + rear E7m.8	238 244	501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E7	238 006	502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E7	238 028	504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E7	238 022	30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343	31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344	40*	Disk brush	235 612
8	Cover rail at the rear	237 379	42*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018	50*	Adjusting bolt	240 765
10	Cover rail	237 382	520*	Cap screw M5x12	020 032
11	Cover rail	237 383	521*	Adjusting washer P6x12x0.3	023 540



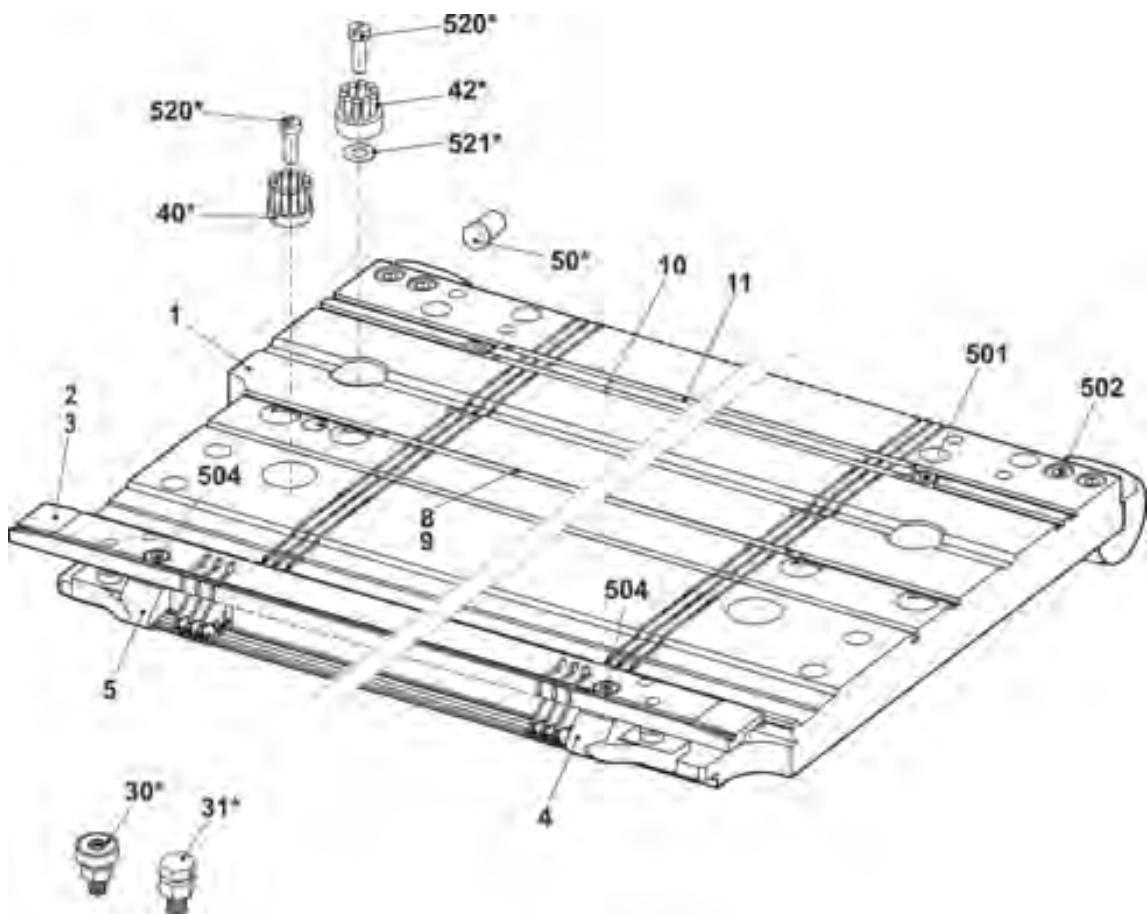
## 4.7 Needle bed E8m.7

Pos	Designation	ID		Pos	Designation	ID
<b>Σ</b>	Needle bed complete at the front + rear E8m.7	238 245		16	Needle rail on the left	205 311
2	Spring steel wire E7-8 Ø0.8	227 078		17	Needle rail on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle rail in the middle	237 387
4a	Needle E7 with round hook	205 397		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-E8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-E8	237 323		506	Set screw M6x12-45	022 400
7a	Selection jack E4-E8	200 687		507	Sprung thrust piece B-M10	023 177
7b	Selector spring E4-E8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E8	207 054		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack E8	205 028		511	Shim 0.05x18.5x34	023 196
12	Fixed wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



#### 4.7.1 Continuation needle bed E8m.7

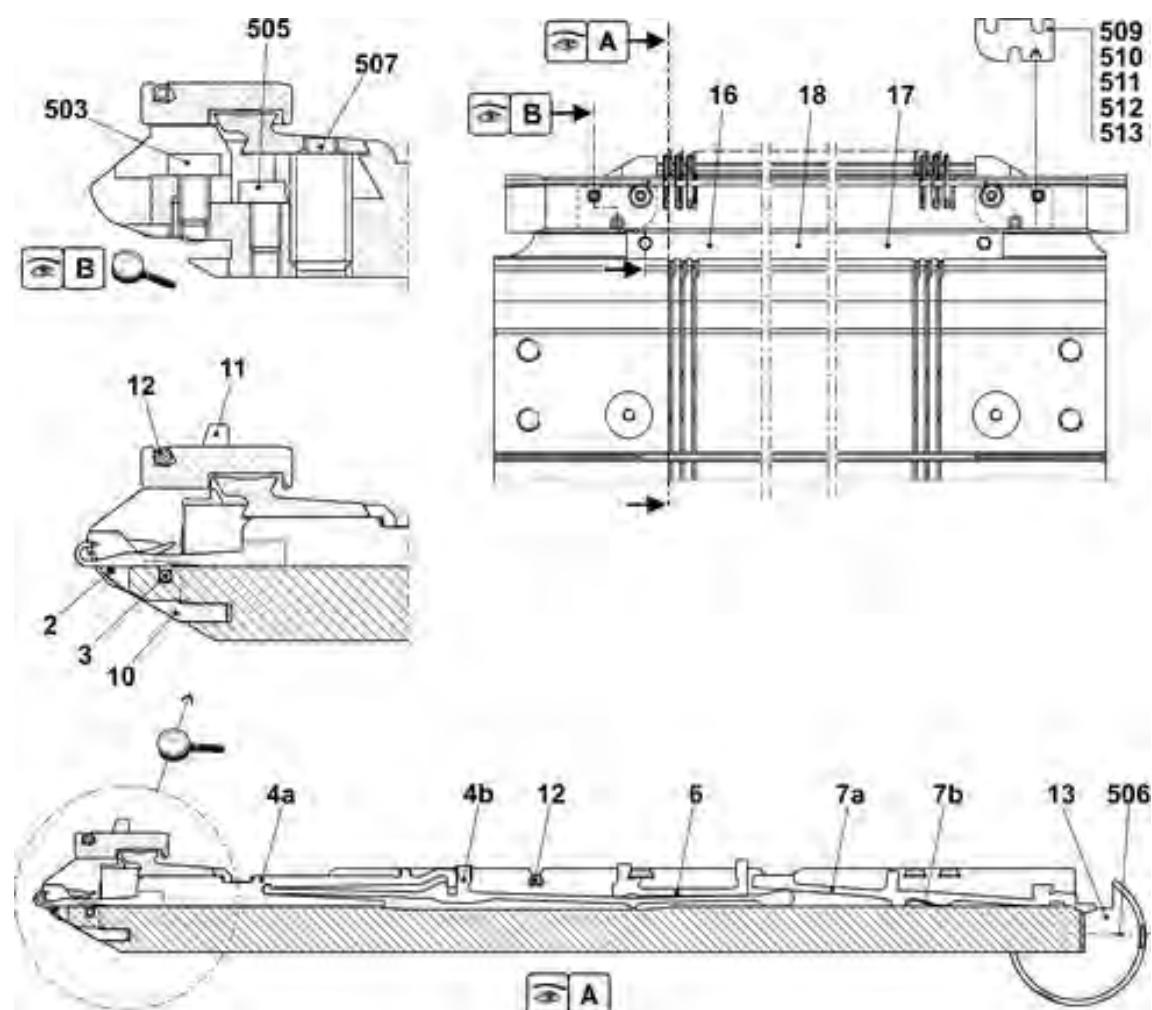
Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E8m.7	238 245	501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E8	238 007	502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E8	238 029	504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E8	238 023	30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343	31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344	40*	Disk brush	235 612
8	Cover rail at the rear	237 379	42*	Disk brush	235 612
9	Cover rail at the front E8	238 015	50*	Adjusting bolt	240 765
10	Cover rail	237 382	520*	Cap screw M5x12	020 032
11	Cover rail	237 383	521*	Adjusting washer P6x12x0.3	023 540



## 4.8 Needle bed E2,5.2 k&amp;w

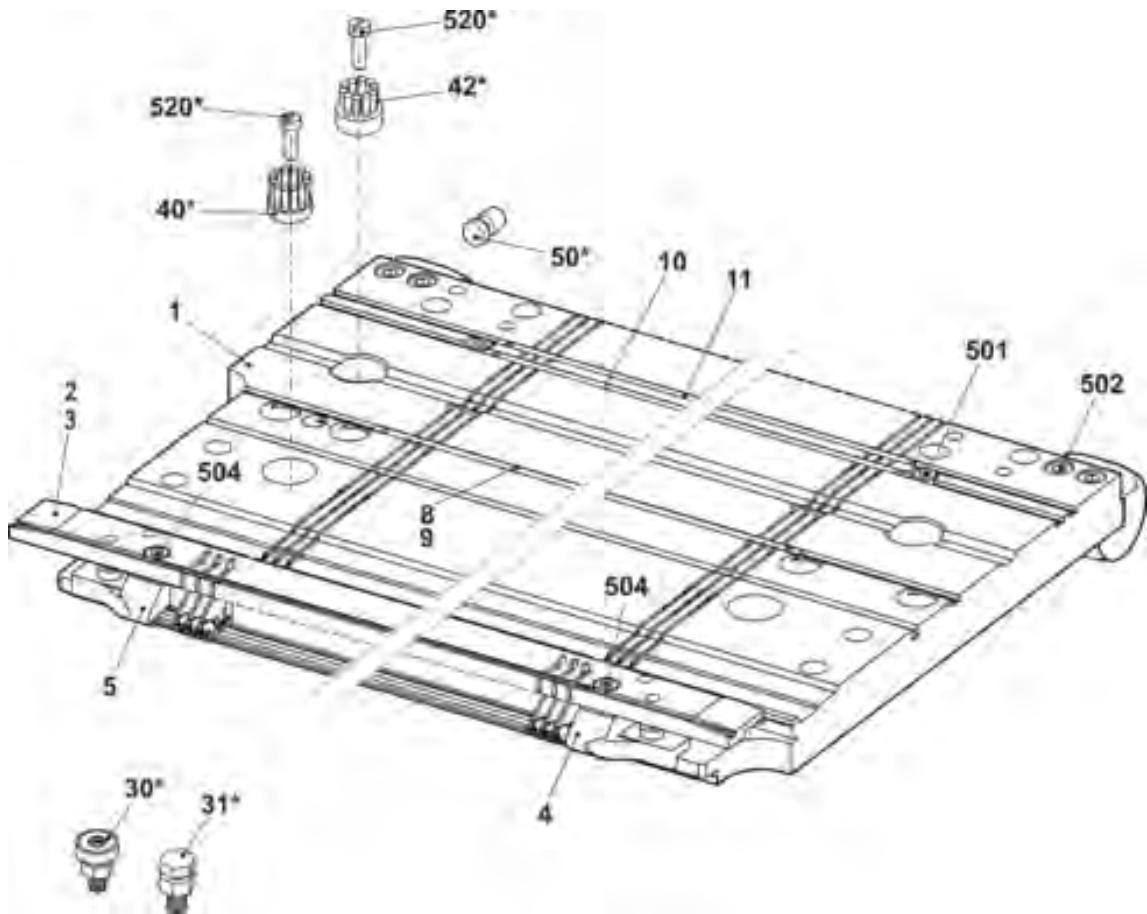
## 4.8 Needle bed E2,5.2 k&amp;w

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Needle bed complete at the front + rear E2,5.2	238 220		16	Needle bar on the left	205 311
2	Spring steel wire E4-5 Ø1,0	237 406		17	Needle bar on the right	205 312
3	Spring steel wire Ø2,0	223 854		18	Needle bar in the middle	237 387
4a	Needle E2,5.2-3,5.2	232 581		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-8	237 323		506	Setscrew M6x12-45	022 400
7a	Selection jack E4-8	200 687		507	Springy thrust piece B-M10	023 177
7b	Selector spring E4-8	200 690		509	Shim 0,02x18,5x34	023 194
10	Knock-over bit E5	204 996		510	Shim 0,03x18,5x34	023 195
11	Holding-down jack E5	205 031		511	Shim 0,05x18,5x34	023 196
12	Locating wire Ø2,8	223 862		512	Shim 0,1x18,5x34	023 197
13	Support	206 352		513	Shim 0,2x18,5x34	023 253



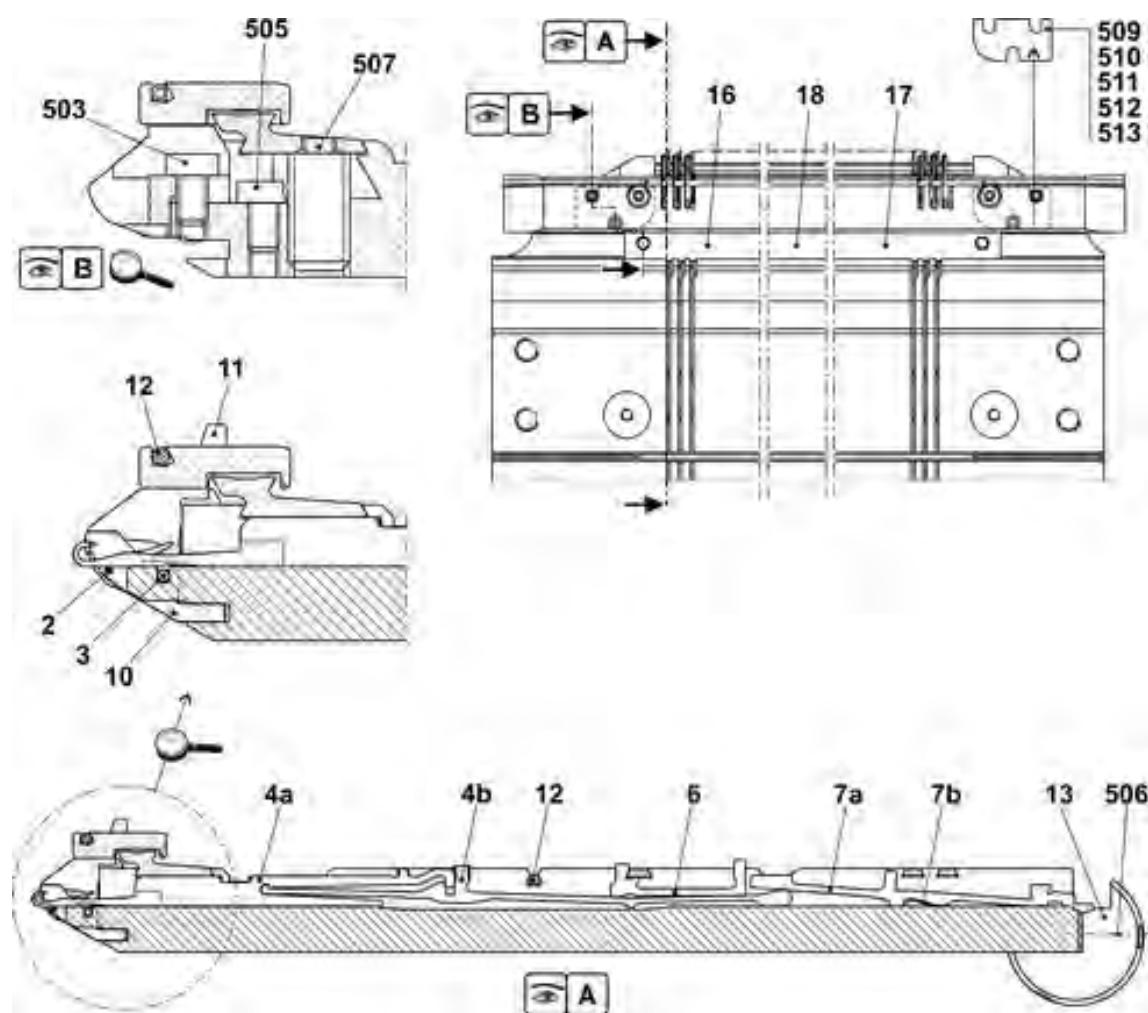
#### 4.8.1 Continuation needle bed E2,5.2 k&w

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front + rear E2,5.2	238 220			
1	Needle bed at the front + rear E5	238 005	501	Cap screw M5x10	022 918
2	Holding-down jack bed at the rear E2,5.2 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



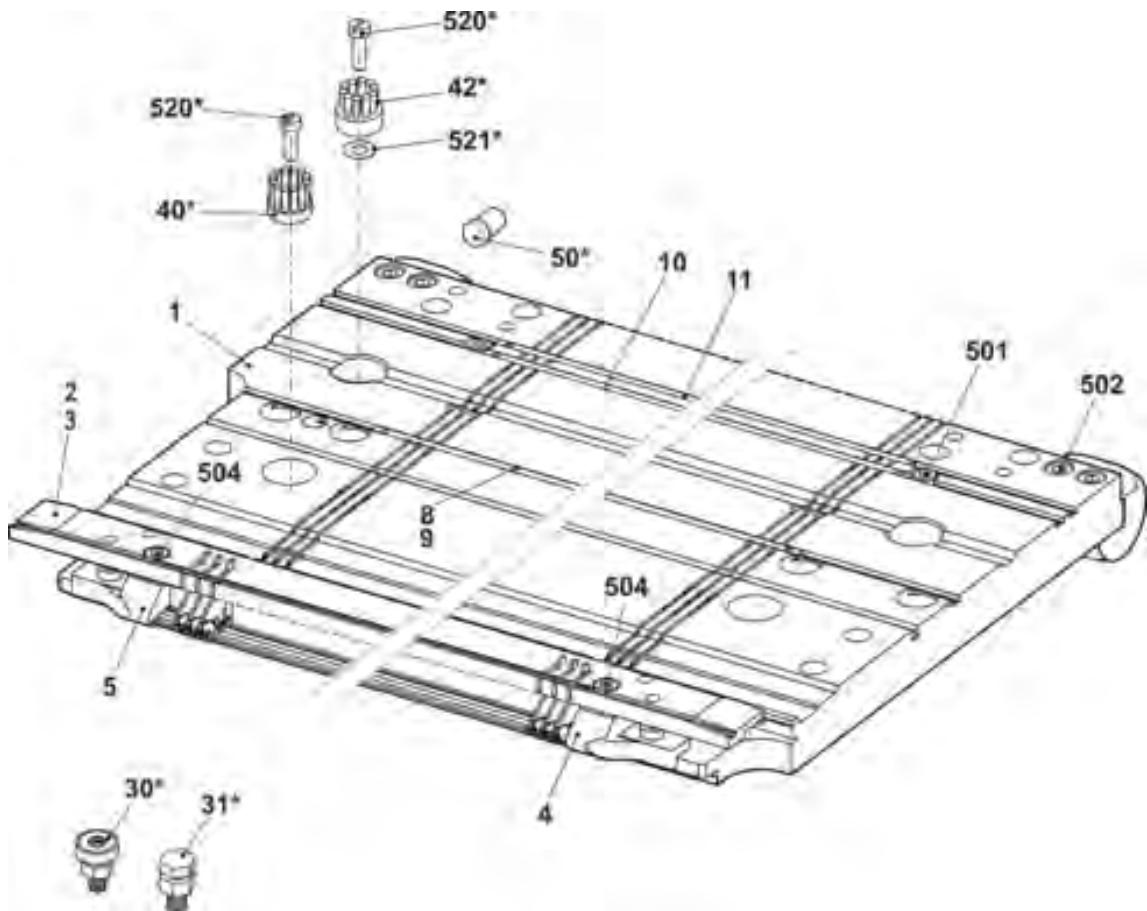
## 4.9 Needle bed E3,5.2 k&w

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front + rear E3,5.2	238 221		16	Needle rail on the left	205 311
2	Spring steel wire E4-5 Ø1.0	237 406		17	Needle rail on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle rail in the middle	237 387
4a	Needle E2,5.2-3,5.2	232 581		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-E8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-E8	237 323		506	Set screw M6x12-45	022 400
7a	Selection jack E4-E8	200 687		507	Sprung thrust piece B-M10	023 177
7b	Selector spring E4-E8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E3,5.2	229 034		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack breast	229 032		511	Shim 0.05x18.5x34	023 196
12	Fixed wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



#### 4.9.1 Continuation needle bed E3,5.2 k&w

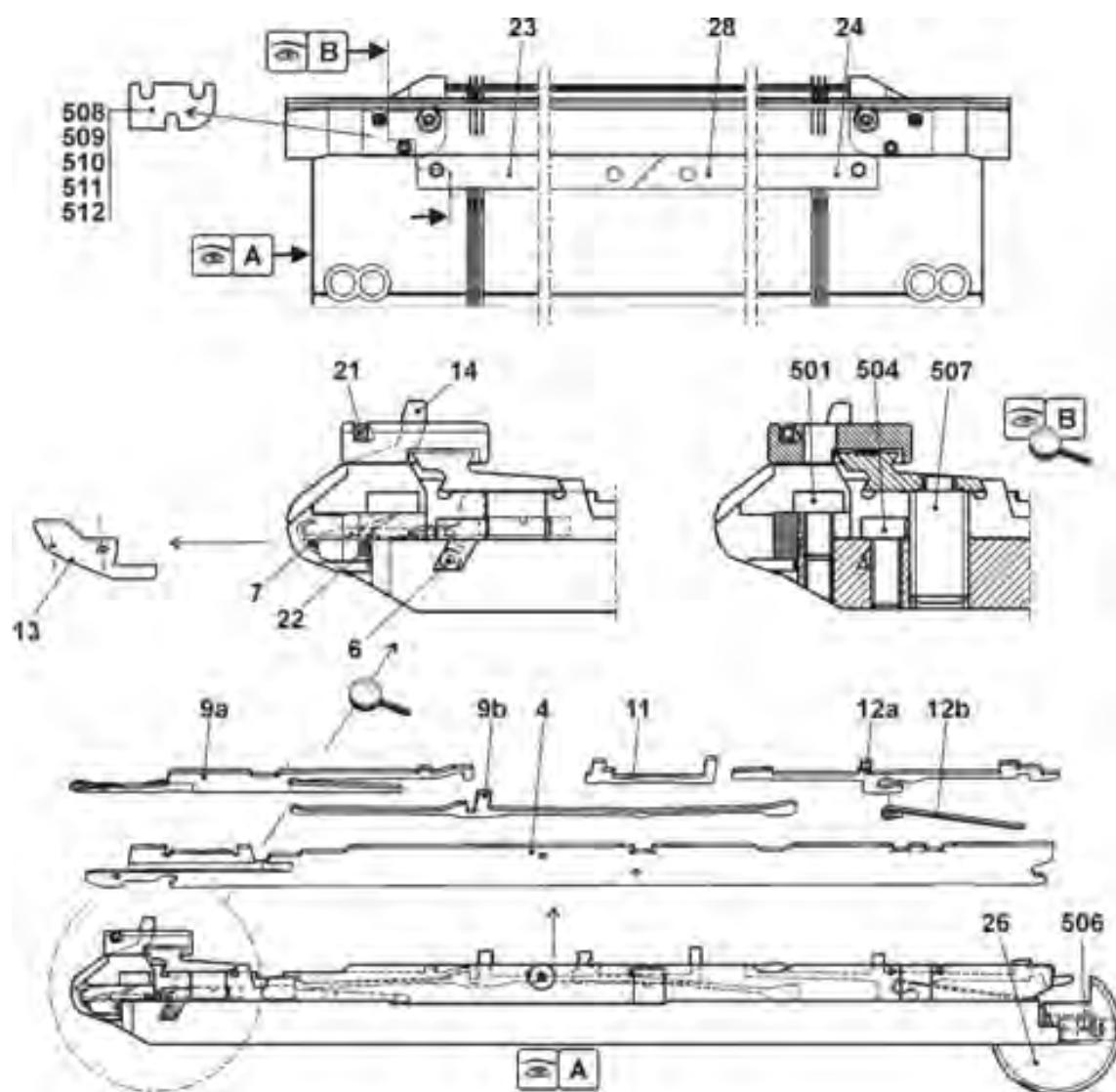
Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E3,5.2	238 221	501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E7	238 006	502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E3,5.2	237 498	504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E3,5.2	237 490	30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343	31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344	40*	Disk brush	235 612
8	Cover rail at the rear	237 379	42*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018	50*	Adjusting bolt	240 765
10	Cover rail	237 382	520*	Cap screw M5x12	020 032
11	Cover rail	237 383	521*	Adjusting washer P6x12x0.3	023 540



## 4.10 Needle bed E5.2 k&amp;w

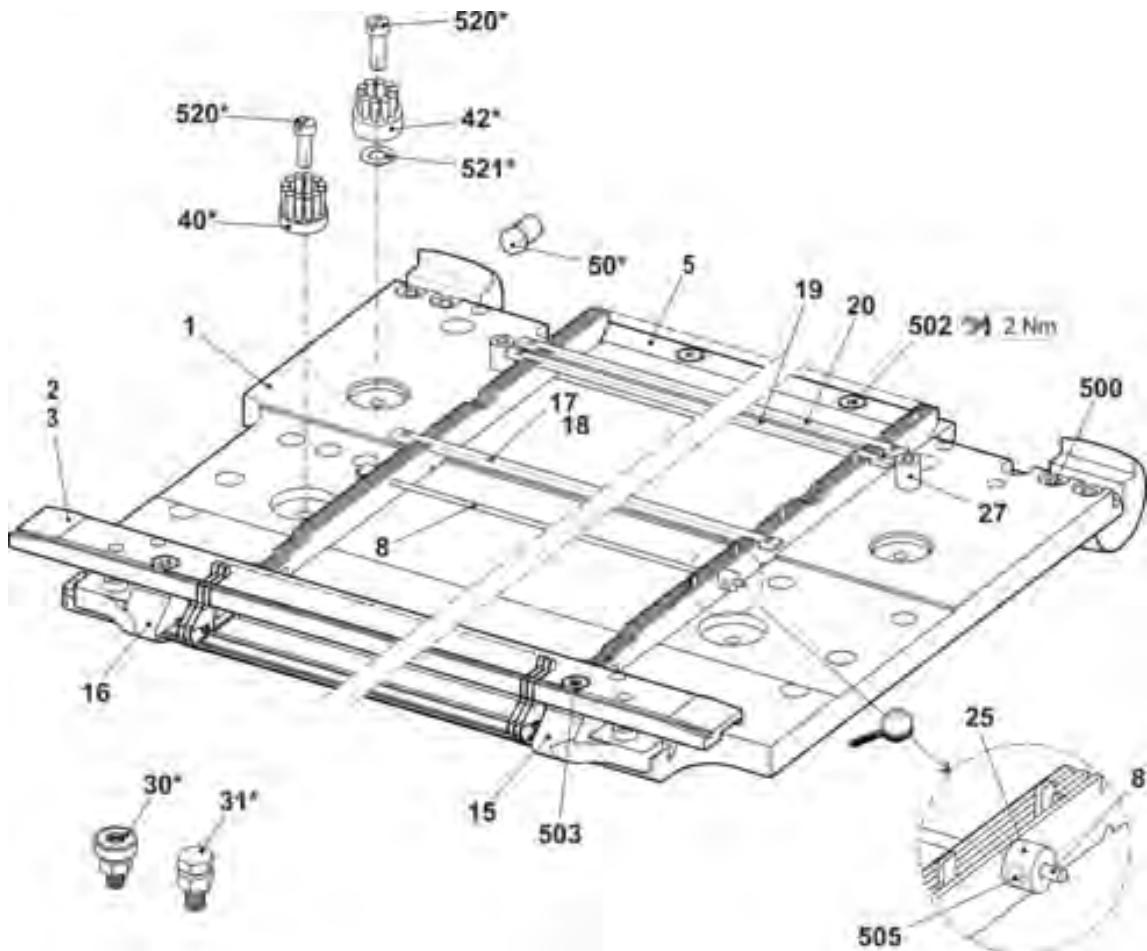
## 4.10 Needle bed E5.2 k&amp;w

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Needle bed complete at the front + rear E5.2	237 513		23	Needle rail on the left	205 311
4	Main trick wall E5.2	219 171		24	Needle rail on the right	205 312
6	Fixed wire Ø3.4	223 868		26	Support	206 352
7	Spring steel wire E4-5 Ø1.0	237 406		28	Needle rail in the middle	237 387
9a	Needle E5.2 vosa special 110.118-86	219 181		501	Cap screw M5x8-8.8 M	023 154
9b	Coupling part E5.2	219 188		504	Cap screw M5x12-8.8	022 943
11	Intermediate slider with brake E5.2	236 030		506	Set screw M6x12-45	022 400
12a	Selection jack E5.2	219 214		507	Sprung thrust piece B-M10	023 177
12b	Selector spring E5.2	219 265		508	Shim 0.02x18.5x34	023 194
13	Knock-over bit E5.2	221 367		509	Shim 0.03x18.5x34	023 195
14	Holding-down jack breast E5.2	229 832		510	Shim 0.05x18.5x34	023 196
21	Fixed wire Ø2.8	223 862		511	Shim 0.1x18.5x34	023 197
22	Spring steel wire Ø1.95	223 852		512	Shim 0.2x18.5x34	023 253



## 4.10.1 Continuation needle bed E5.2 k&amp;w

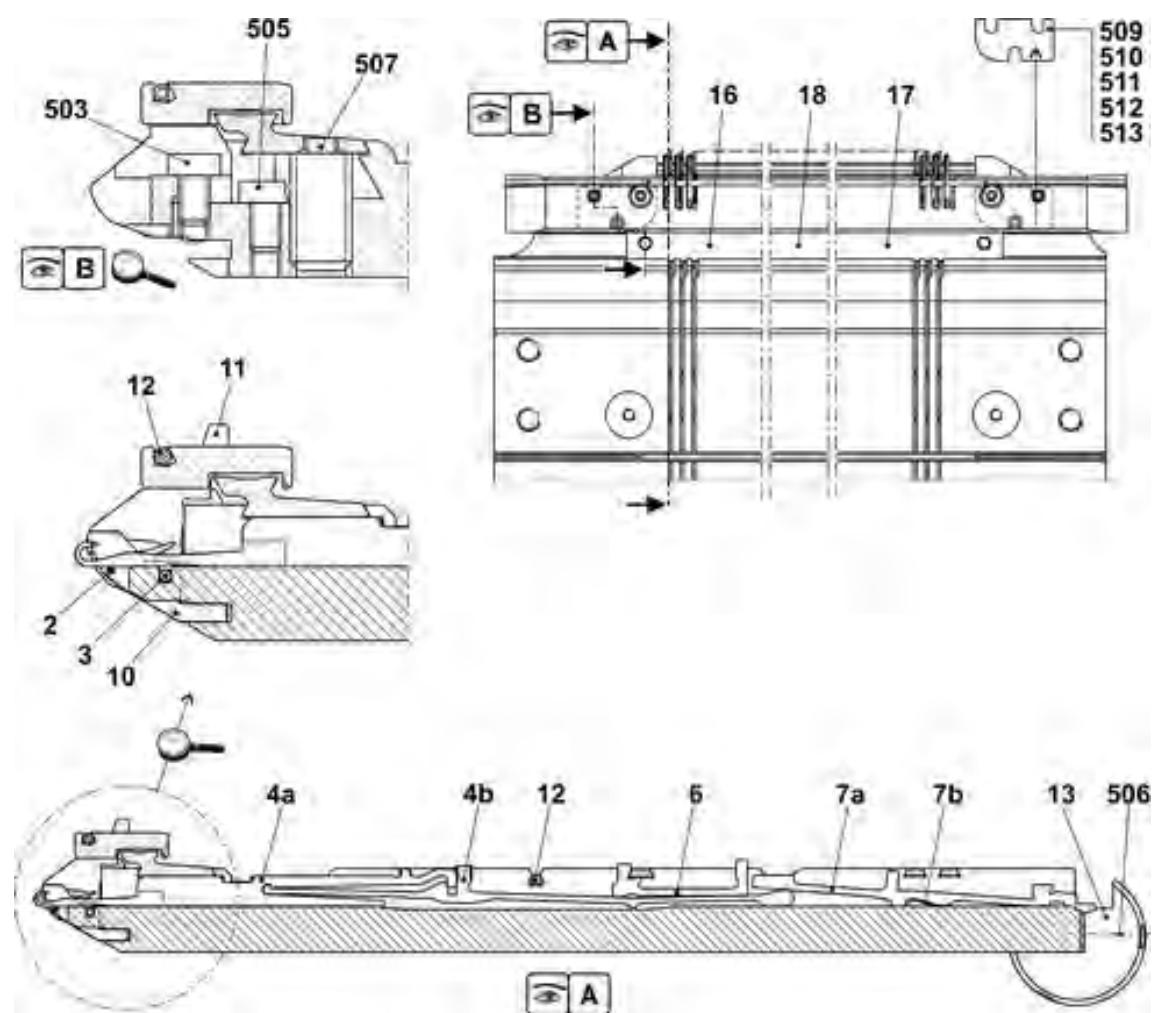
Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5.2	237 513			
1	Needle bed at the front + rear E5.2	237 484	27	Stop screw	214 039
2	Holding-down jack bed at the front E5.2	237 491	500	Cap screw M6x14	022 658
3	Holding-down jack bed at the rear E5.2	237 499	502	Cap screw M5x8	023 379
5	Pressure slide	237 509	503	Cap screw M5x22	023 193
8	Spring steel wire Ø2.0	223 854	505	Set screw M3,5x3-1	020 512
15	Limiter on the left E4-E8	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	235 612
19	Cover rail	237 382	50*	Adjusting bolt	240 765
20	Cover rail	237 383	520*	Cap screw M5x12	020 032
25	Bush	206 090	521*	Adjusting washer P6x12x0.3	023 540



## 4.11 Needle bed E2,5.2 mg

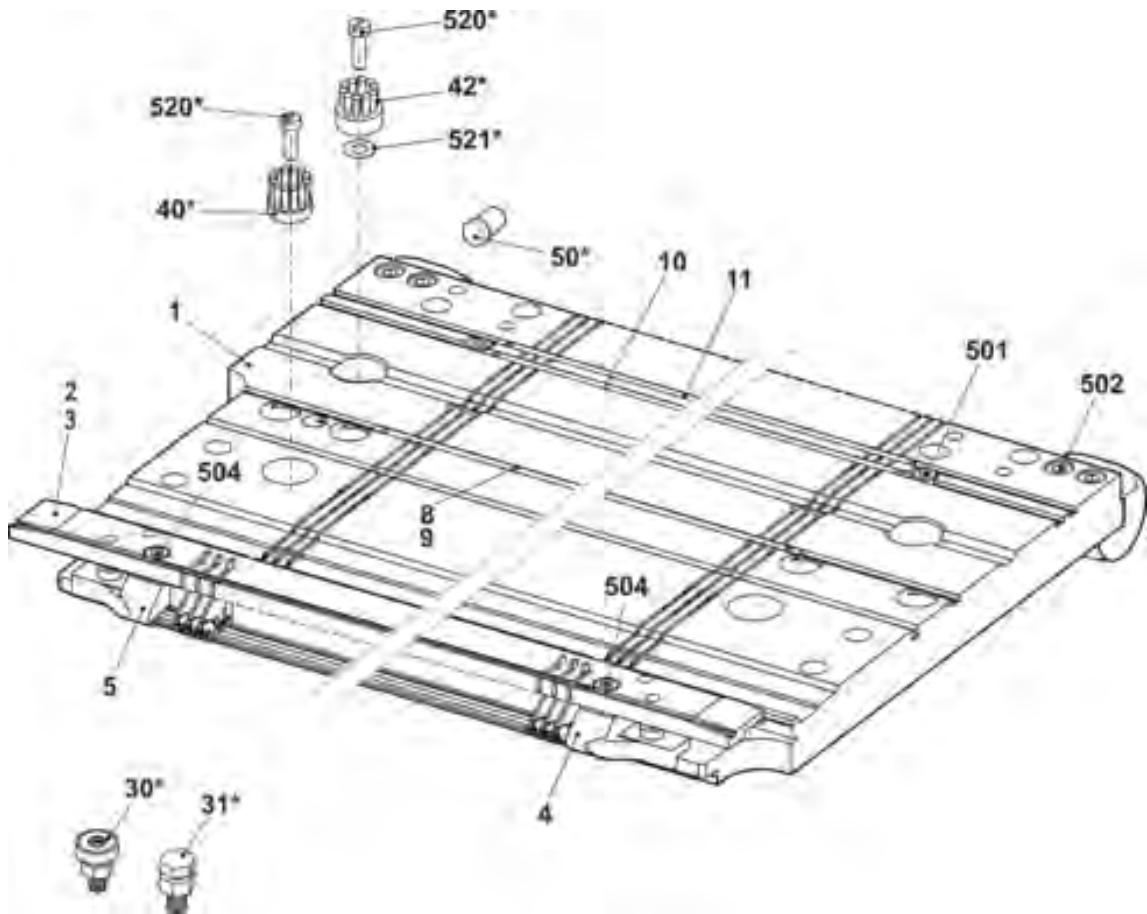
## 4.11 Needle bed E2,5.2 mg

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Needle bed complete at the front + rear E2,5.2	239 227		16	Needle rail on the left	205 311
2	Spring steel wire E4-5 Ø1.0	237 406		17	Needle rail on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle rail in the middle	237 387
4a	Needle E2,5.2-3,5.2	232 581		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-E8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-E8	237 323		506	Set screw M6x12-45	022 400
7a	Selection jack E4-E8	200 687		507	Sprung thrust piece B-M10	023 177
7b	Selector spring E4-E8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E5	204 996		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack E5	205 031		511	Shim 0.05x18.5x34	023 196
12	Fixed wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



**4.11.1 Continuation needle bed E2,5.2 mg**

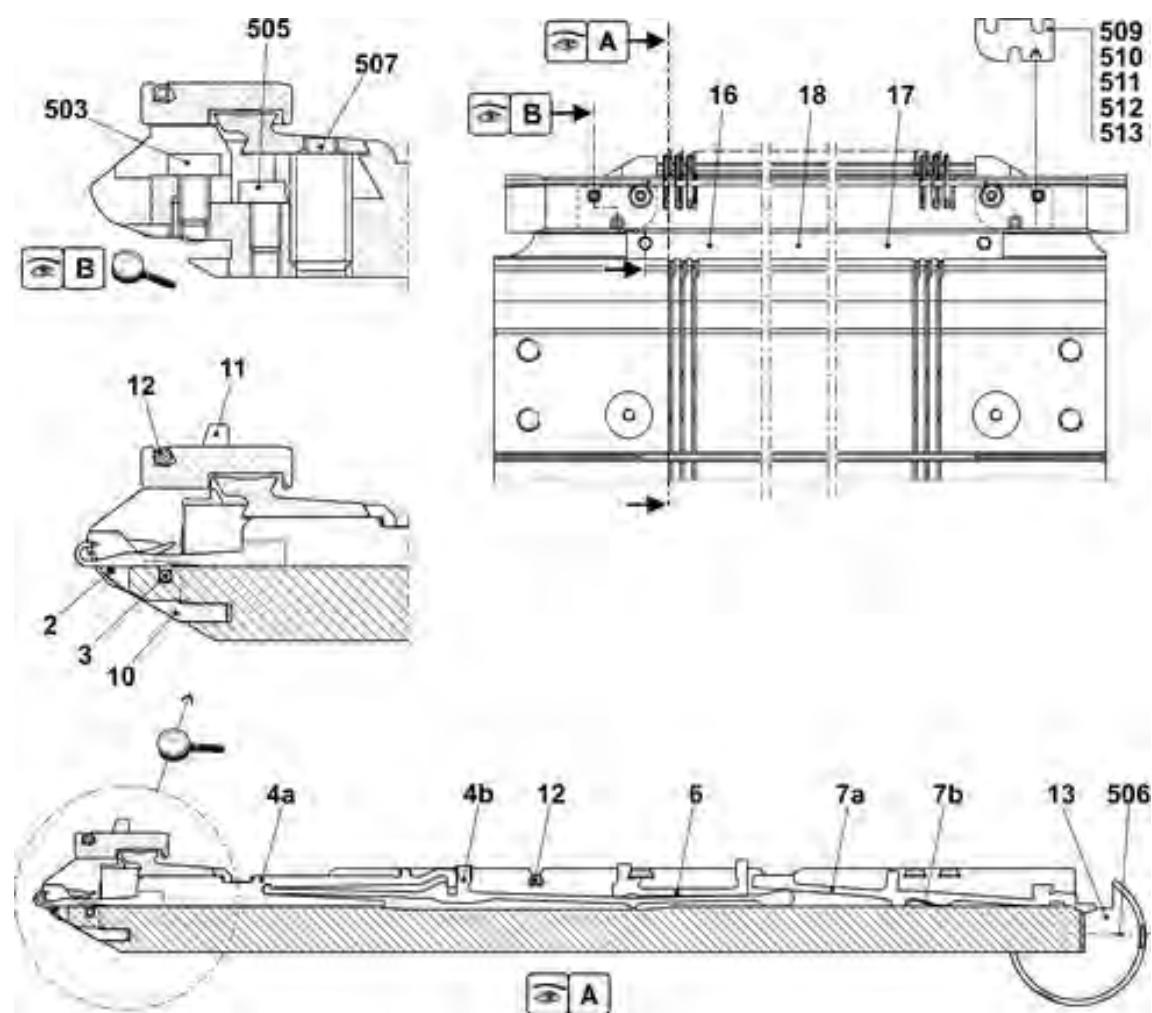
Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Needle bed complete at the front + rear E2,5.2	239 227	501 502 504 30* 31* 40* 42* 50* 520* 521*	Cap screw M5x10	022 918
1	Needle bed at the front + rear E5	238 005		Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E2,5.2 MG	240 012		Cap screw M5x22	023 193
3	Holding-down jack bed at the front E2,5.2 MG	240 011		Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343		Set screw complete	207 712
5	Limiter on the right E4-8	205 344		Disk brush	235 612
8	Cover rail at the rear	237 379		Disk brush	235 612
9	Cover rail at the front E5	237 377		Adjusting bolt	240 765
10	Cover rail	237 382		Cap screw M5x12	020 032
11	Cover rail	237 383		Adjusting washer P6x12x0.3	023 540



## 4.12 Needle bed E3,5.2 mg

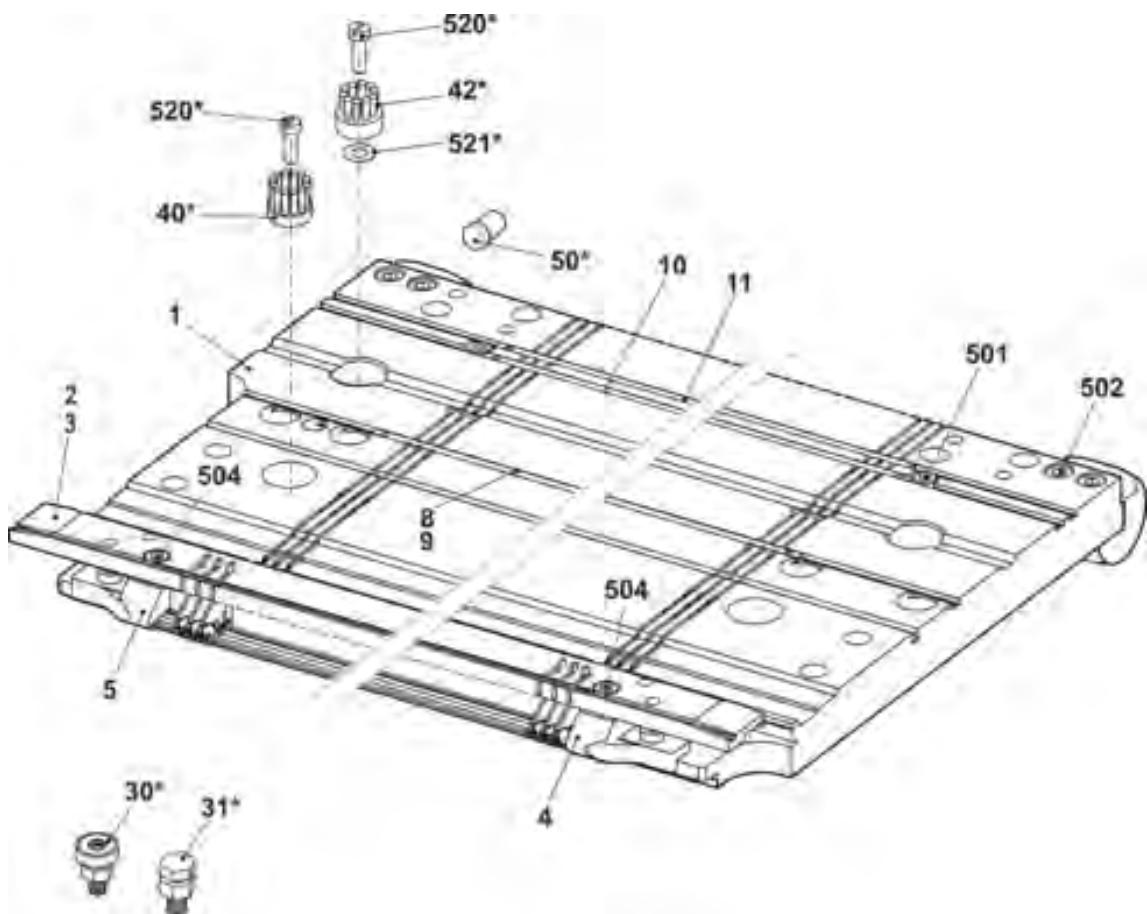
## 4.12 Needle bed E3,5.2 mg

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Needle bed complete at the front + rear E3,5.2	239 228		16	Needle rail on the left	205 311
2	Spring steel wire E4-5 Ø1.0	237 406		17	Needle rail on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle rail in the middle	237 387
4a	Needle E2,5.2-3,5.2	232 581		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-E8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-E8	237 323		506	Set screw M6x12-45	022 400
7a	Selection jack E4-E8	200 687		507	Sprung thrust piece B-M10	023 177
7b	Selector spring E4-E8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E7	207 055		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack E7	205 032		511	Shim 0.05x18.5x34	023 196
12	Fixed wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



## 4.12.1 Continuation needle bed E3,5.2 mg

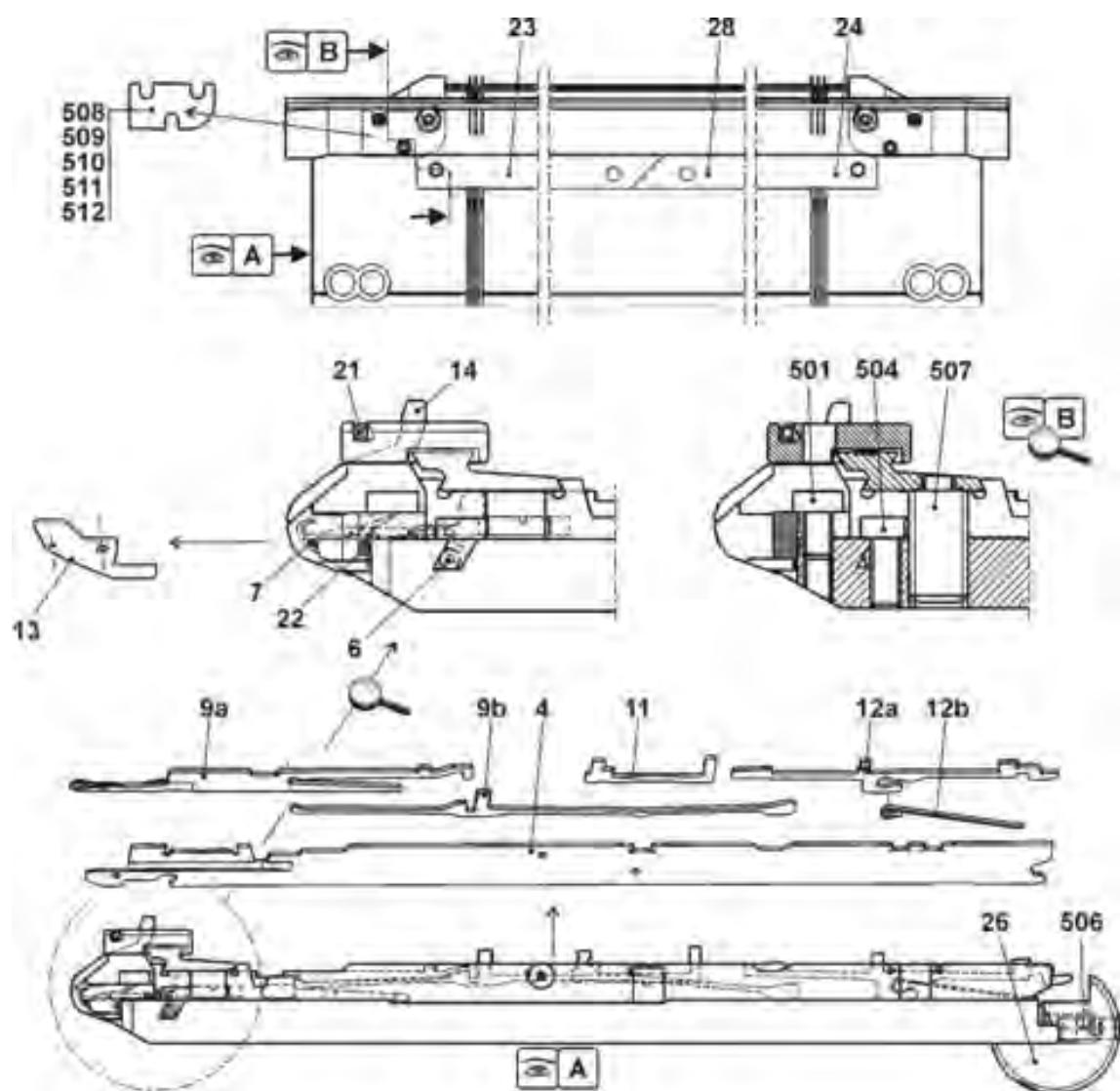
Pos	Designation	Id	Pos	Designation	Id
Σ	Needle bed complete at the front + rear E3,5.2	239 228	501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E7	238 006	502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E3,5.2	237 498	504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E3,5.2	237 490	30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343	31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344	40*	Disk brush	235 612
8	Cover rail at the rear	237 379	42*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018	50*	Adjusting bolt	240 765
10	Cover rail	237 382	520*	Cap screw M5x12	020 032
11	Cover rail	237 383	521*	Adjusting washer P6x12x0.3	023 540



## 4.13 Needle bed E5.2 mg

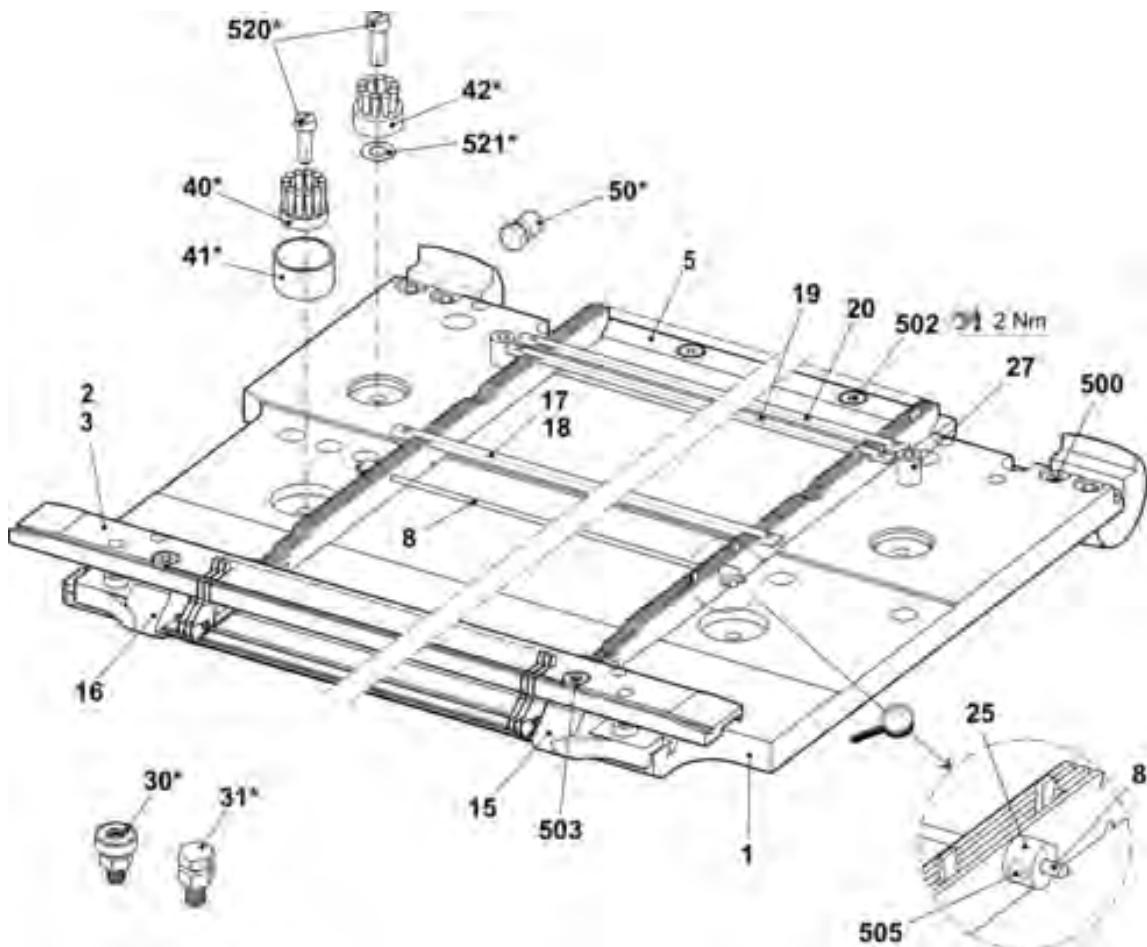
## 4.13 Needle bed E5.2 mg

Pos	Designation	ID		Pos	Designation	ID
<b>Σ</b>	Needle bed complete at the front + rear E5.2 mg	240 013		23	Needle bar on the left	205 311
4	Main trick wall E5.2	219 171		24	Needle bar on the right	205 312
6	Locating wire Ø3,4	223 868		26	Support	206 352
7	Spring steel wire E4-5 Ø1,0	237 406		28	Needle bar in the middle	237 387
9a	Needle E5.2	219 181		501	Cap screw M5x8-8.8 M	023 154
9b	Coupling part E5.2	219 188		504	Cap screw M5x12-8.8	022 943
11	Intermediate slider with brake E5.2	236 030		506	Setscrew M6x12-45	022 400
12a	Selection jack E5.2	219 214		507	Springy thrust piece B-M10	023 177
12b	Selector spring 5.2	219 265		508	Shim 0,02x18,5x34	023 194
13	Knock-over bit E5.2	221 367		509	Shim 0,03x18,5x34	023 195
14	Holding-down jack trick wall	227 716		510	Shim 0,05x18,5x34	023 196
21	Locating wire Ø2,8	223 862		511	Shim 0,1x18,5x34	023 197
22	Spring steel wire Ø1,95	223 852		512	Shim 0,2x18,5x34	023 253



**4.13.1 Continuation needle bed E5.2 mg**

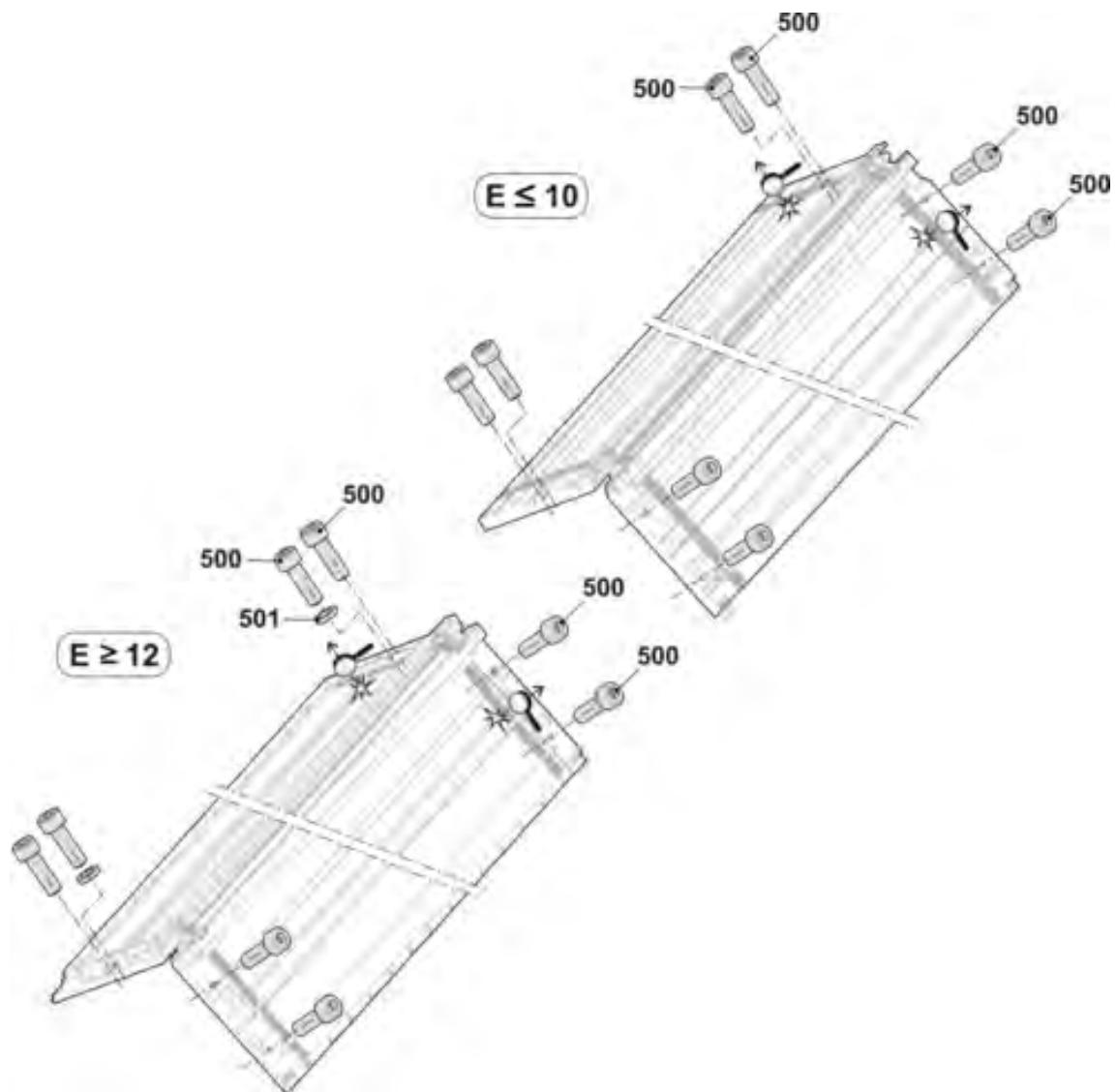
Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front + rear E5.2	240 013	27	Stop screw	214 039
1	Needle bed at the front + rear E5.2	237 484	500	Cap screw M6x14	022 658
2	Holding-down jack bed at the front E5.2	237 491	502	Cap screw M5x8	023 379
3	Holding-down jack bed at the rear E5.2	237 499	503	Cap screw M5x22	023 193
5	Pressure slide	237 509	505	Set screw M3.5x3-1	020 512
8	Spring steel wire Ø2.0	223 854	30*	Adjusting piece	206 375
15	Limiter on the left E4-E8	205 343	31*	Set screw complete	207 712
16	Limiter on the right E4-E8	205 344	40*	Disk brush	235 612
17	Cover rail at the rear	237 379	41*	Container disk brush	233 012
18	Cover rail at the front E5.2	237 506	42*	Disk brush	235 612
19	Cover rail	237 382	50*	Adjusting bolt	240 765
20	Cover rail	237 383	520*	Cap screw M5x12	020 032
25	Bush	206 090	521*	Adjusting washer P6x12x0.3	023 540



## 4.14 Needle beds, fixing elements

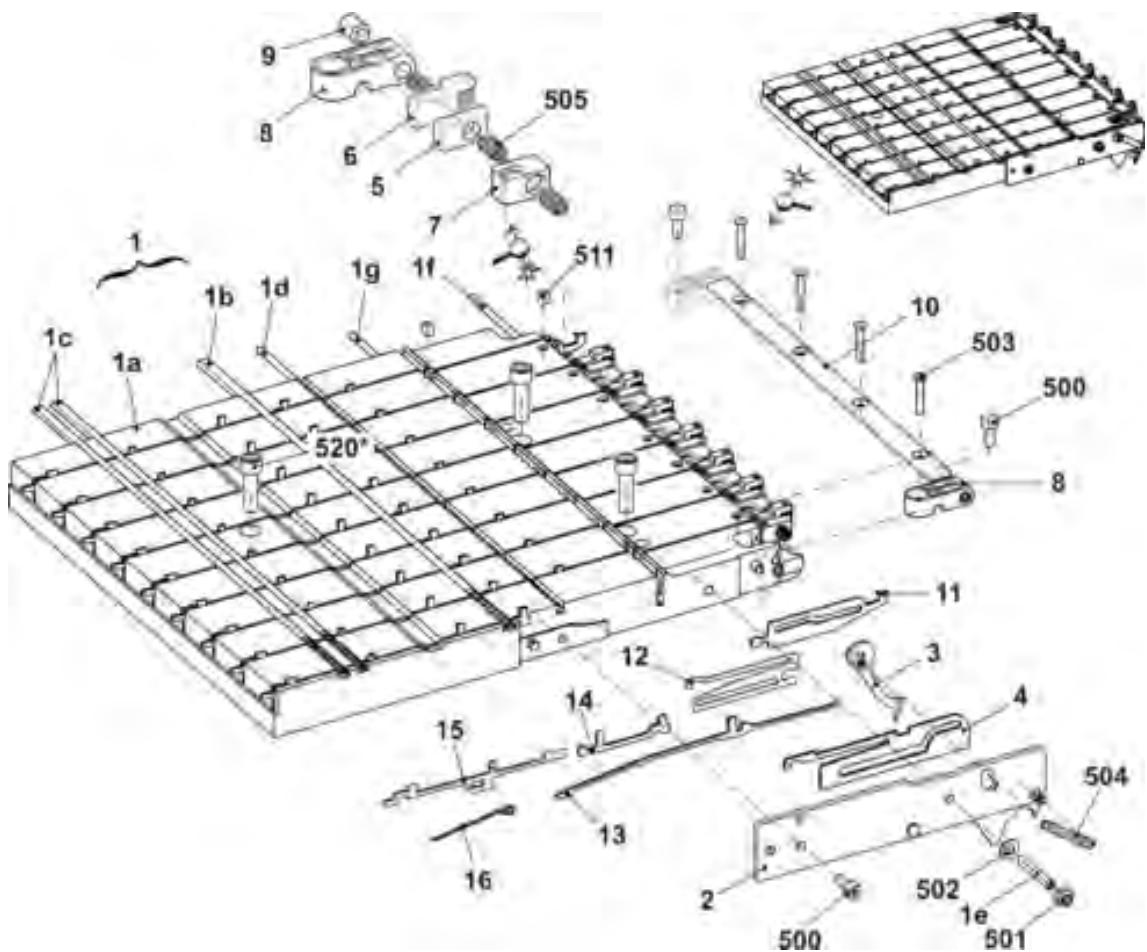
## 4.14 Needle beds, fixing elements

Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Fixing elements					
500	Cap screw M8x25	020 142		501	U-washer	214 040



## 4.15 Left clamping/cutting bed

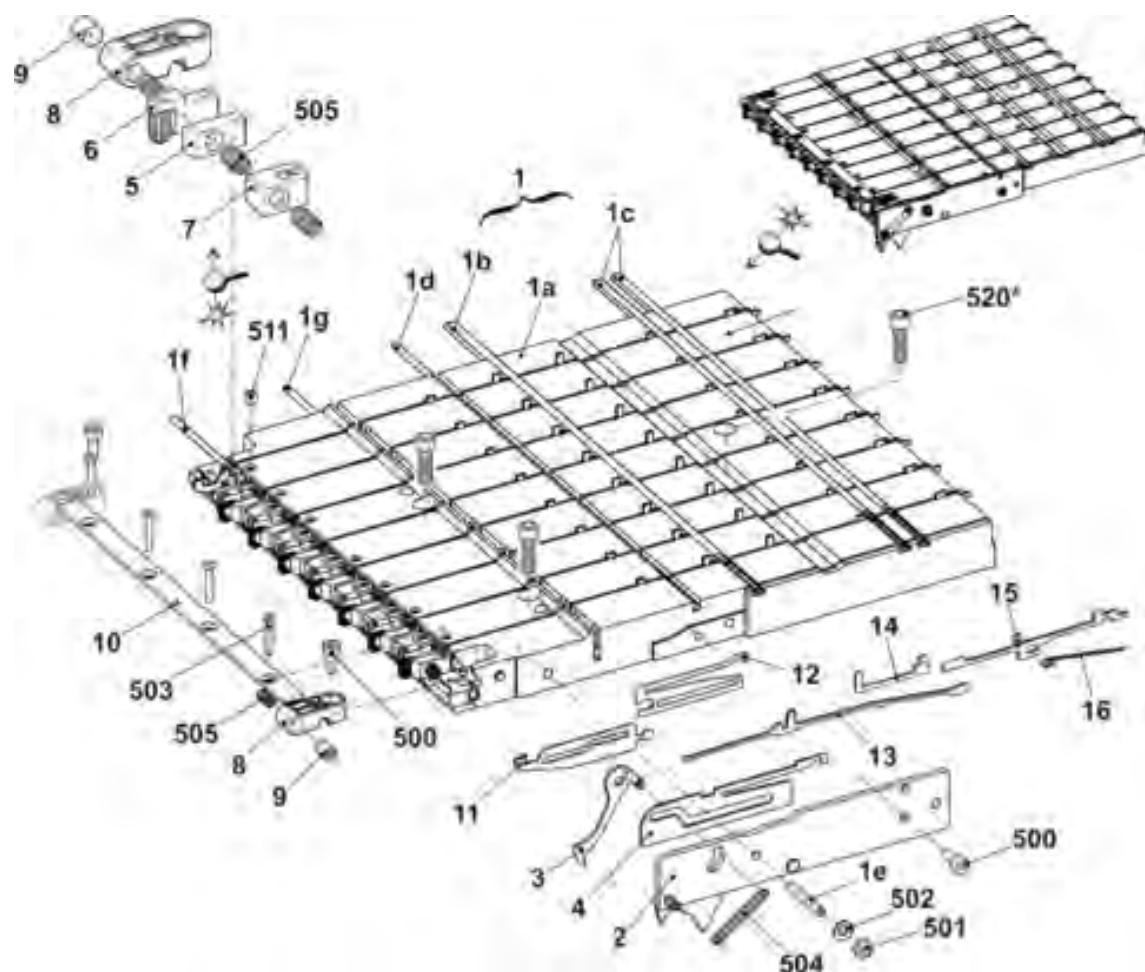
Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Clamping/cutting bed on the left E5-14	257 198		8	Spring holder	255 724
1	Guide plate on the left E5-14	257 194		9	Threaded bolt	255 723
1a	Guide plate on the left E5-14	257 190		10	Holding strip	253 176
1b	Cover rail	253 173		11	Tuck needle on the left E5-4	255 813
1c	Cover rail	253 174		12	Intermediate cam E10-14	244 591
1d	Fixed wire	253 172		13	Coupling part E4-8	200 682
1e	Guide pin	211 351		14	Intermediate slider with brake E5-8	237 323
F 1	Fixed wire	253 171		15	Selection jack E4-8	200 687
1g	Fixed wire	215 927		16	Selector spring E4-8	200 690
511	Set screw M5x5	236 061		500	Cap screw M4x10	023 136
2	Cover on the left complete E10-14	251 120		501	Hexagon nut M4	023 046
3	Catch hook on the left E10-14	251 377		502	U-washer 4	020 870
4	Slider E5-14	253 084		503	Countersunk screw M3x18	242 728
5	Blade	243 948		504	Tension spring 5x0.5x17.4	023 377
6	Clamp on the left complete	244 633		505	Compression spring 07x4.3x12.1	023 521
7	Intermediate piece	255 719		520*	Cap screw M6x20	244 824



## 4.16 Clamping/cutting bed on the right

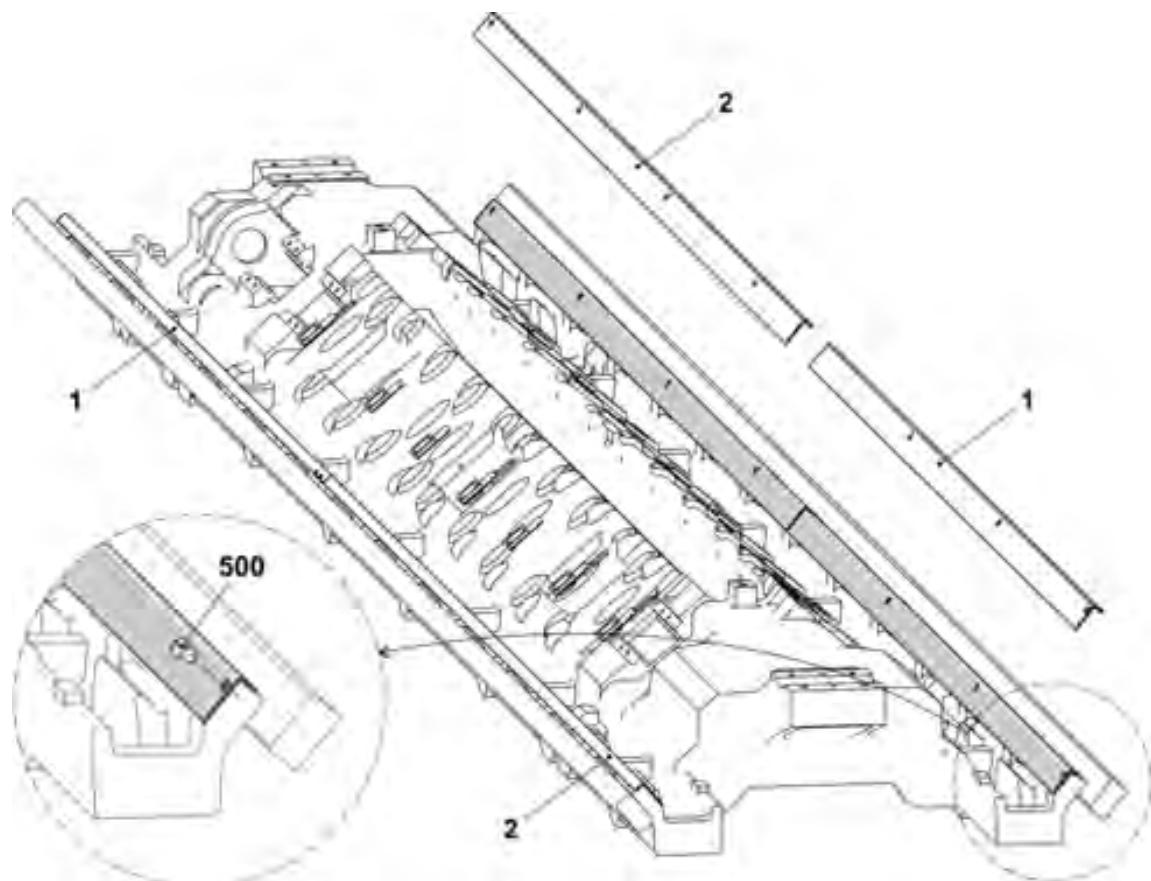
## 4.16 Clamping/cutting bed on the right

Pos	Designation	ID	Pos	Designation	ID
$\Sigma$	Clamping and cutting bed on the right E5-14	257 197	8	Spring holder	255 424
1	Guide plate EPT on the right E5-14	257 193	9	Threaded bolt	255 723
1a	Guide plate on the right E5-14	257 189	10	Holding strip	253 176
1b	Cover rail	253 173	11	Catch needle on the right E5-14	255 692
1c	Cover rail	253 174	12	Intermediate cam E10-14	244 591
1d	Locating wire	253 172	13	Coupling part E5-8	253 381
1e	Guide pin	211 351	14	Intermediate slider with brake E5-8	237 323
1f	Locating wire	253 171	15	Selection jack E4-8	200 687
1g	Locating wire	215 927	16	Selector spring E4-8	200 690
511	Setscrew M5x5	236 061	500	Cap screw M4x10	023 136
2	Cover on the right complete E10-14	251 119	501	Hexagon nut M4	023 046
3	Catch hook on the right E10-14	251 378	502	Washer4	020 870
4	Slider E5-14	253 084	503	Pan-head screw M3x18	242 728
5	Blade	243 948	504	Tension spring 5x0,5x17,4	023 377
6	Clamp on the right complete	244 602	505	Compression spring 07x4,3x12,1	023 521
7	Intermediate piece	255 719	520*	Cap screw M6x20	244 824



## 4.17 Cover on the left and on the right

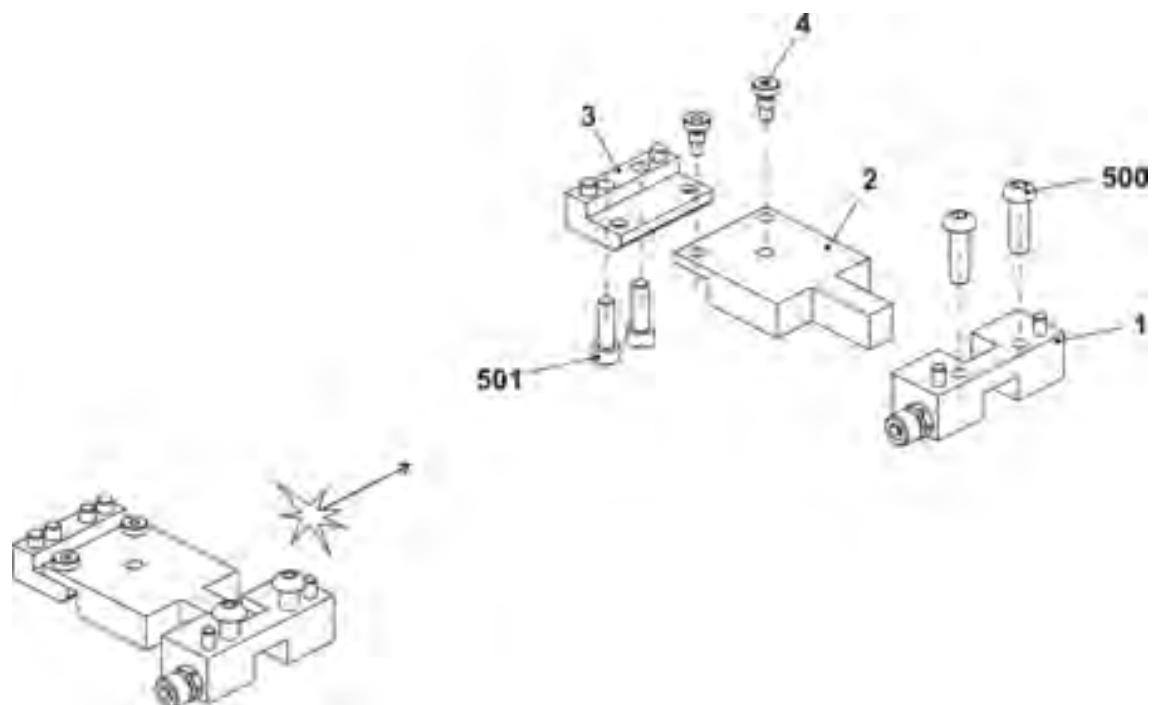
Pos	Designation	Id		Pos	Designation	Id
1	Cover on the left	241 938		500	Countersunk screw M8x10	241 930
2	Cover on the right	241 939				



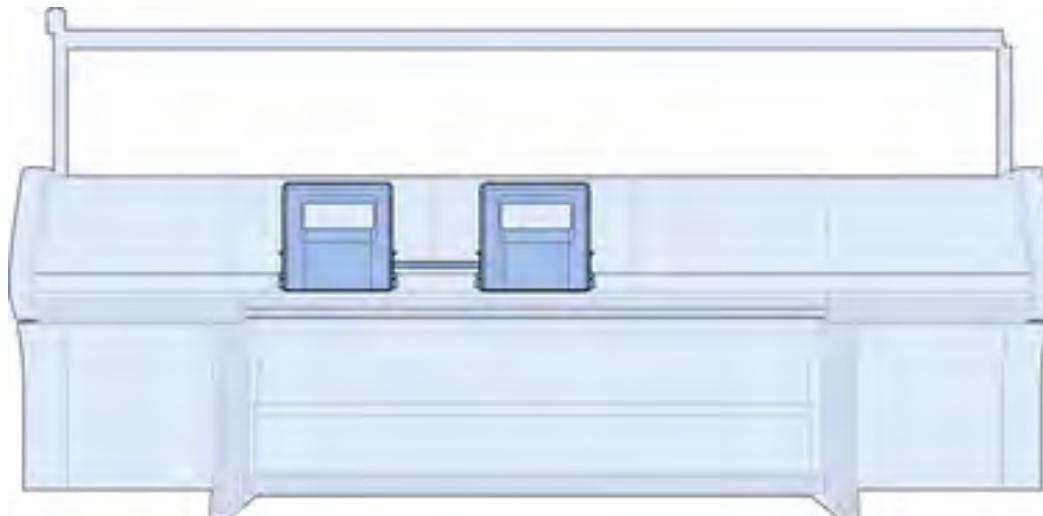
## 4.18 Connection measuring bar

## 4.18 Connection measuring bar

Pos	Designation	Id		Pos	Designation	Id
<b>SF</b>	Connection measuring bar fine	244 608		4	Shoulder screw	209 790
1	Bearing fork	244 535		500	Countersunk screw M6x20	241 603
2	Plunger	244 536		501	Cap screw M5x16	022 726
3	Stop point	244 537				



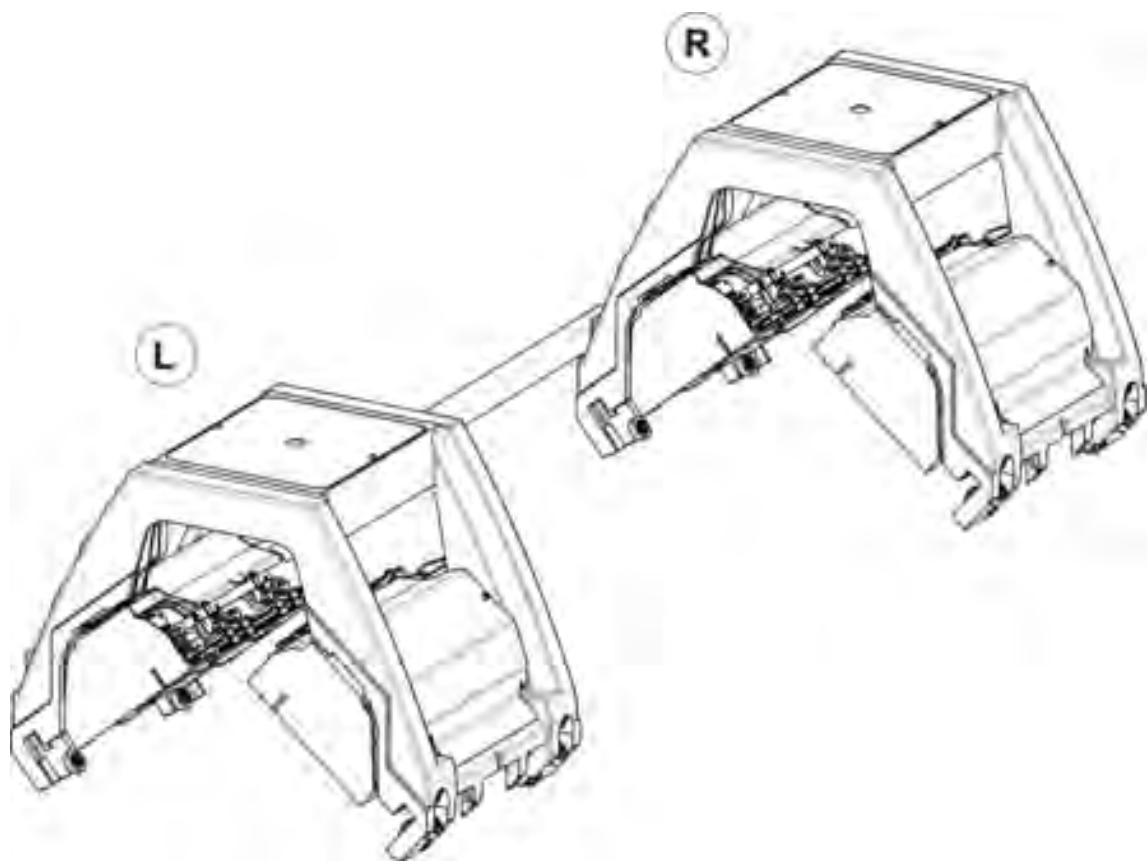
## 5 Tandem carriage



## 5.1 Overview of carriage

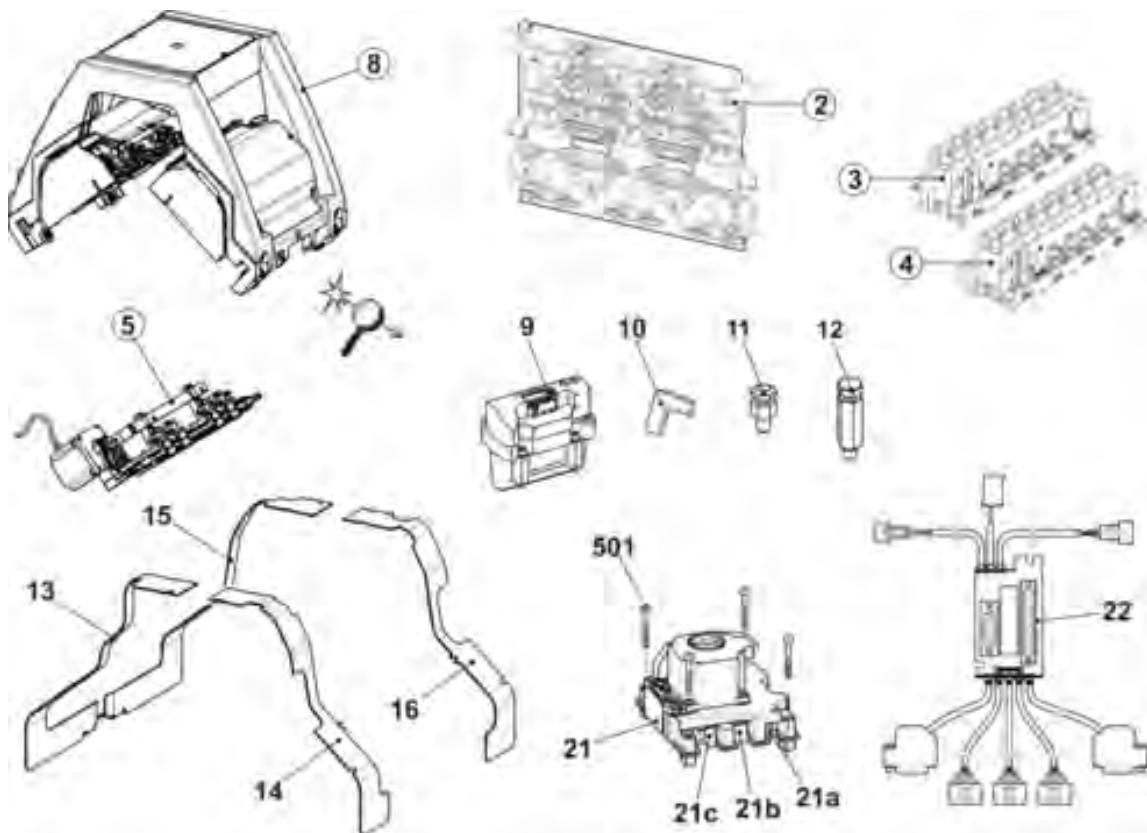
## 5.1 Overview of carriage

Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Carriage left complete		$\Sigma$		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

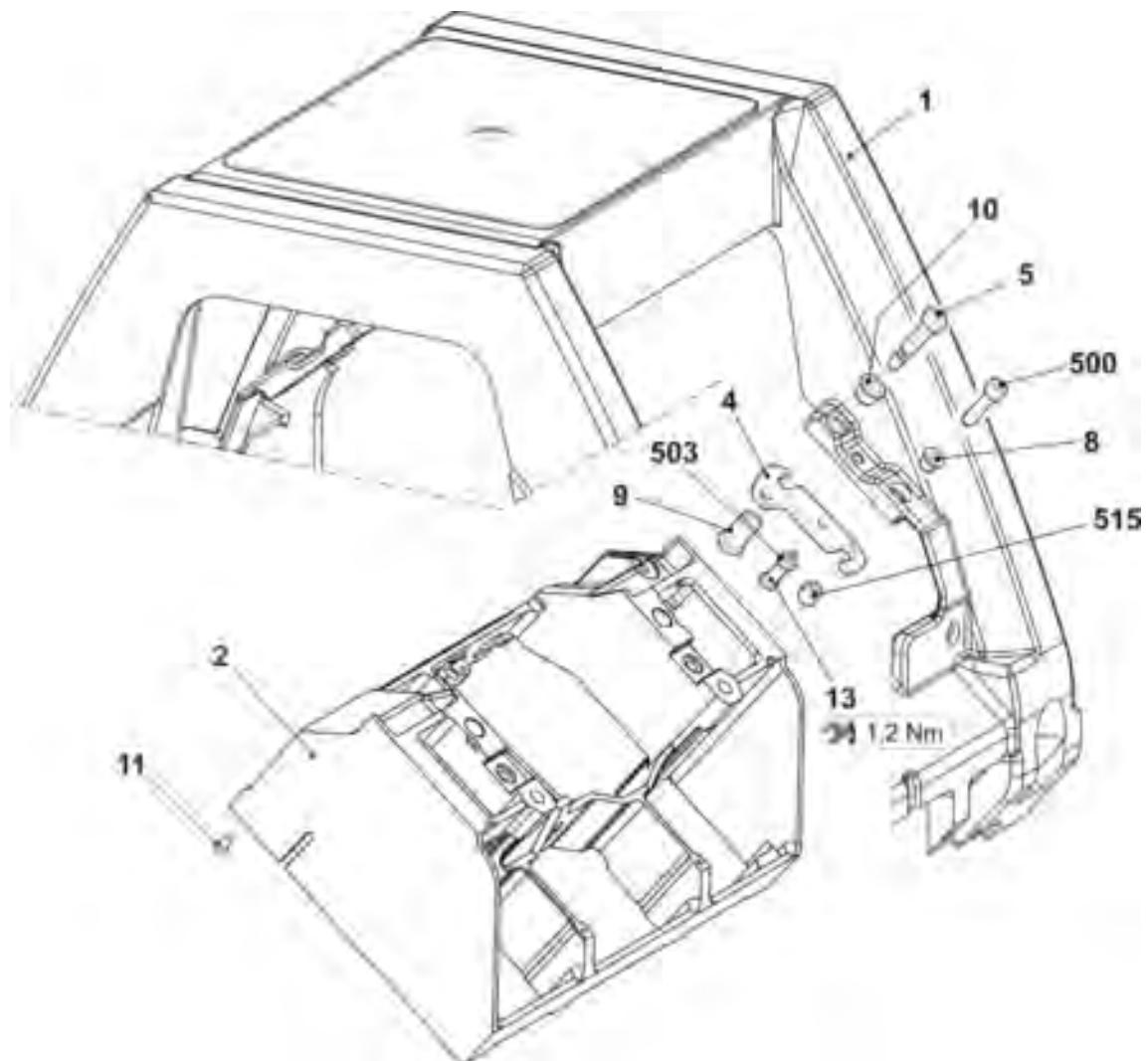
Pos	Designation	ID		Pos	Designation	ID
2	Cam box set complete			10	Wiper (felt)	241 411
	E5   E5m.4   E7m.5   E2,5.2   E3,5.2   E5.2	244 239		11	Bolts	212 392
	E7   E8   E7m.8   E8m.7	244 389		12	Bolts	243 171
3	FF driving outside complete	245 297		13	Guide plate at the rear on the left	245 323
4	FF 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

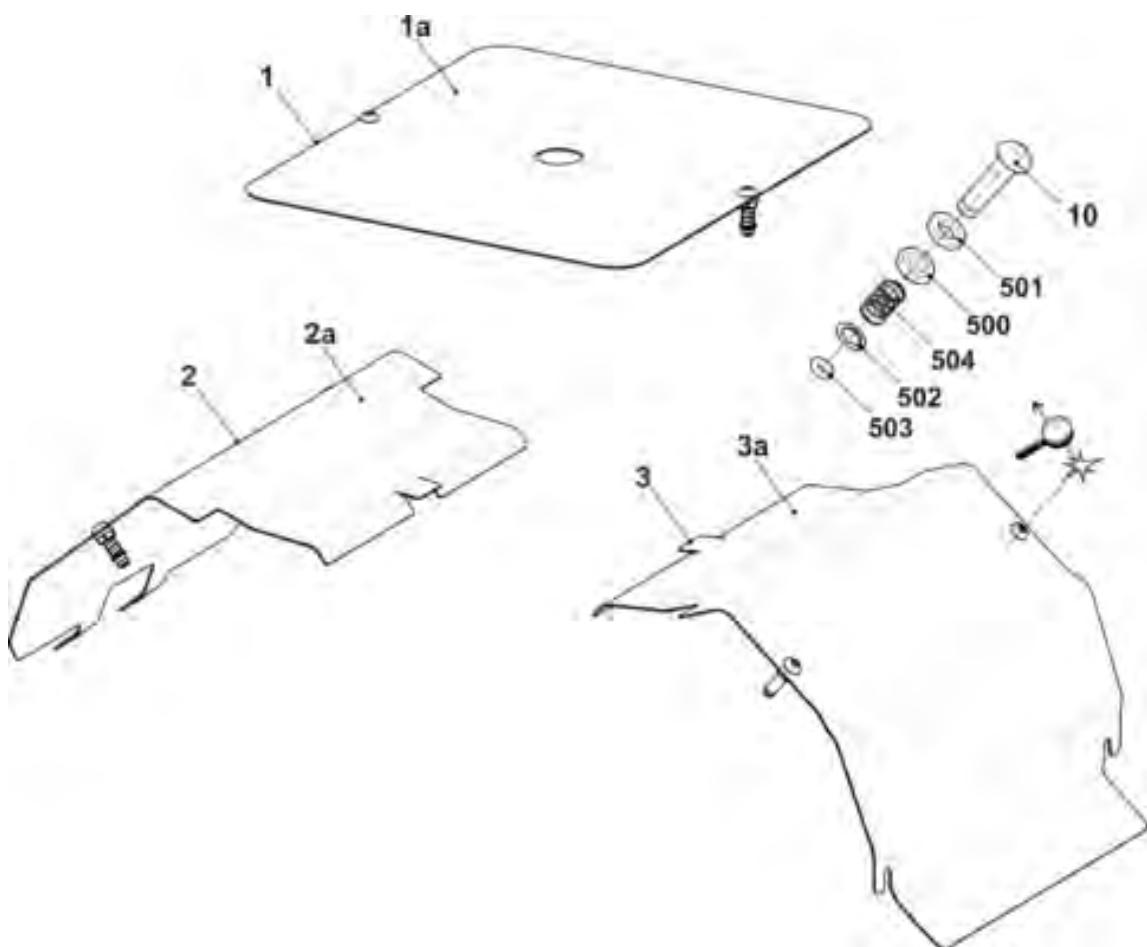
## 5.1.2 Carriage

Pos	Designation	Id		Pos	Designation	Id
<b>Σ</b>	<b>Carriage assembly 2 cam boxes</b>	<b>256 501</b>				
1	Carriage frame, 2 cam boxes	256 504		10	Bush	209 274
2	Carriage part, 2 cam boxes	241 756		11	Eccentric	222 983
5	Shoulder screw	211 750		13	Fixing bolt linking spot	244 179
4	Shim	225 312		500	Cap screw M8X30	020 143
8	Bush	207 546		503	Circlip 6	021 022
9	Bush	209 275		515	Threaded bushing	041 863



### 5.1.3 Carriage cover

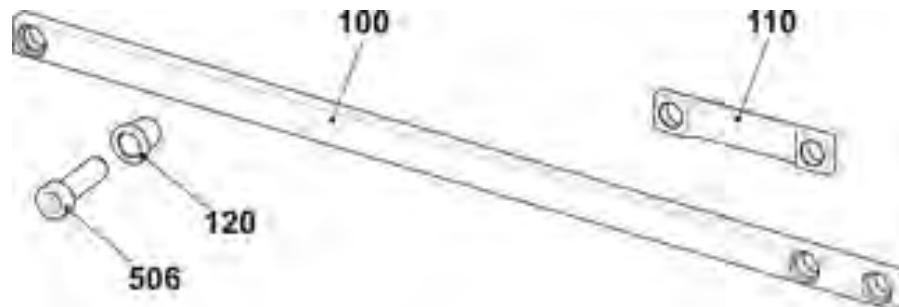
Pos	Designation	Id	Pos	Designation	Id
1	Carriage cover at the top 2 cam boxes complete	257 099	10	Locating bolt	242 382
	1a Carriage cover at the top 2 cam boxes 6Z	256 509		500 Hexagon nut M6	257 088
2	Carriage cover at the rear complete	257 163	501	Serrated lock washer 6.4	022 385
	2a Carriage cover at the rear 6 inches	256 742		502 U-washer 6.1x9x0.5	023 554
3	Carriage cover at the front complete	257 162	503	O-ring 3x2	242 420
	3a Carriage cover at the front 6 inches	256 741		504 Compression spring 0.48x7.02x17.29	023 654



## 5.1 Overview of carriage

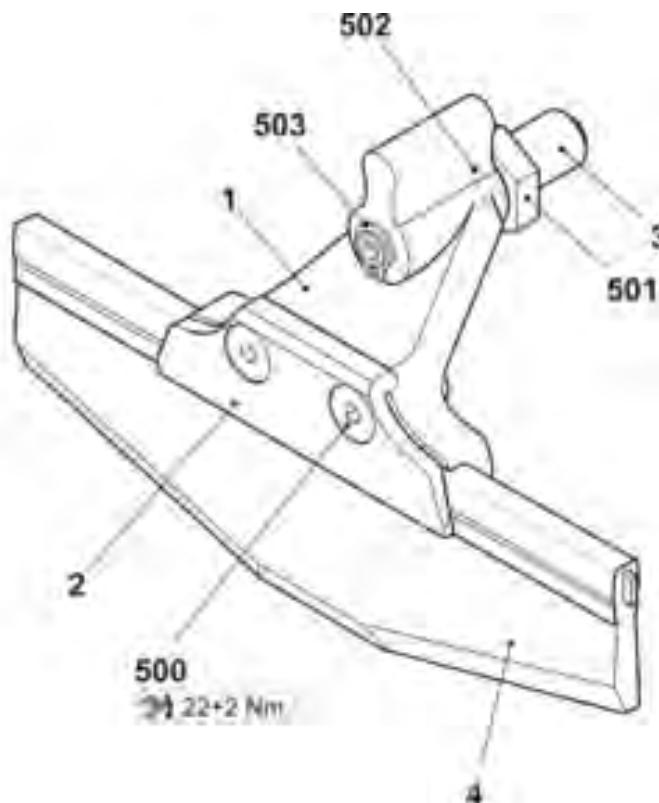
## 5.1.4 Carriage coupling

Pos	Designation	ID		Pos	Designation	ID
100	Coupling rod 42" and 44"	242 889		120	Sleeve	225 600
110	Connecting rod short	242 891		506	Cap screw M16x45	023 366



### 5.1.5 Brush holder

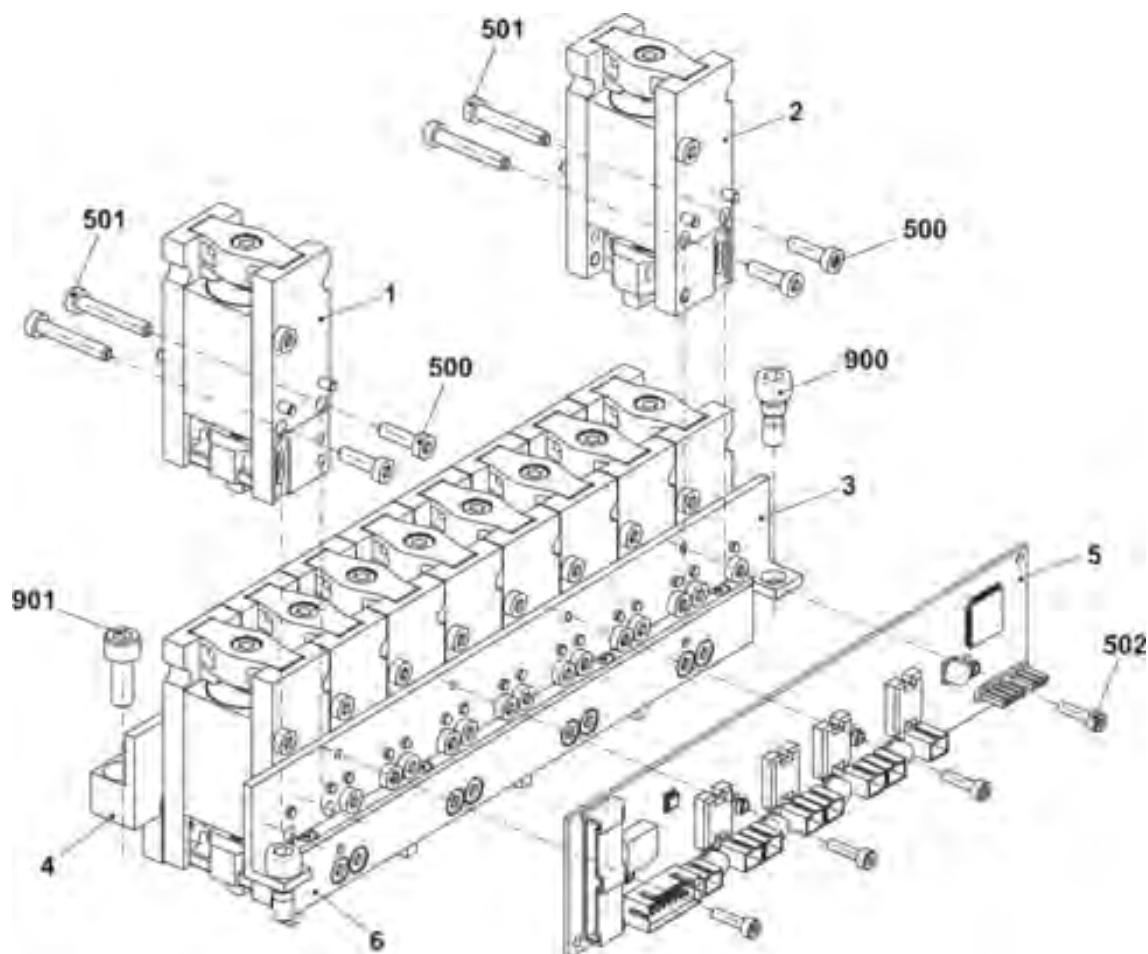
Pos	Designation	Id	Pos	Designation	Id
Σ	Brush holder complete (E5-8)	220 064			
1	Brush holder	219 423	500	Countersunk screw M4x12	023 062
2	Brush clamp	213 010	501	Hexagon nut M8	020 856
3	Threaded rod	209 740	502	Adjusting washer	023 348
4	Brush E4-8	203 254	503	Locking ring 5x0.6	023 347



## 5.1 Overview of carriage

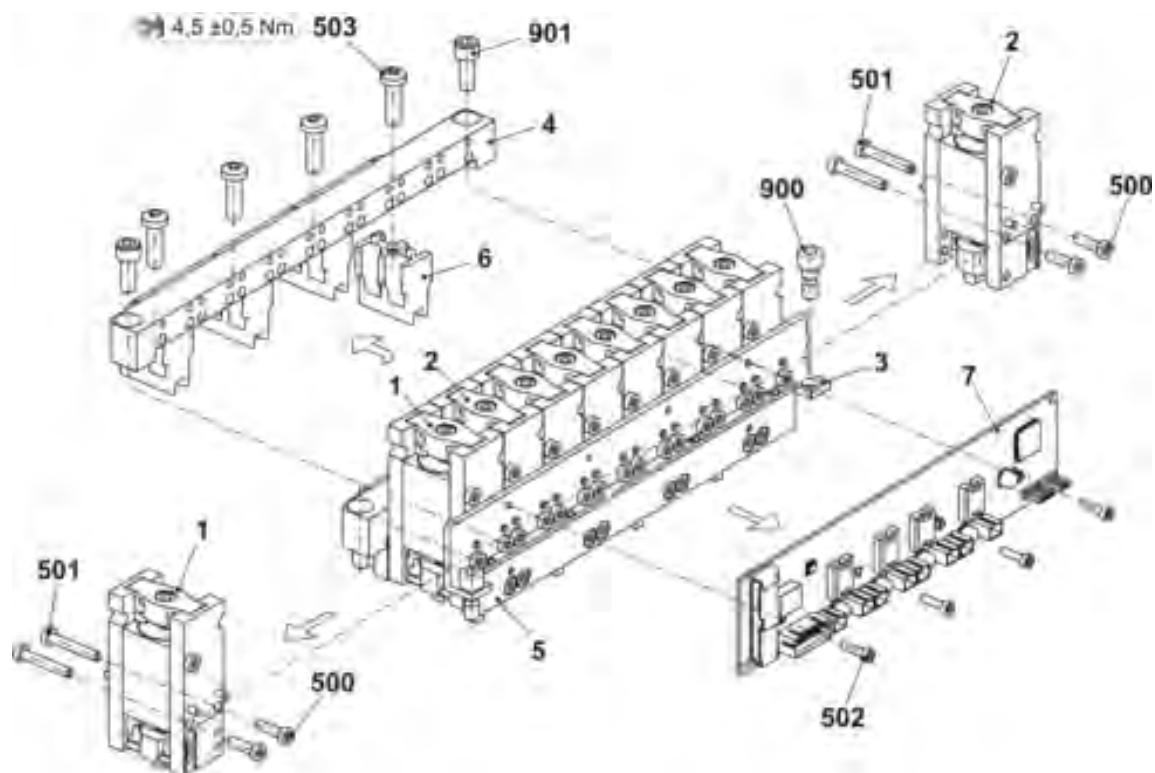
## 5.1.6 Yarn carrier driving without guiding part

Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	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
2	Yarn carrier plunger on the left complete	243 118		501	Cap screw M4x25-I-Torx
3	Support angle for jack	245 313		502	Cap screw M3x12-12.9
4	Mounting block outside	245 294		900	Dowel screw
5	Card yarn carrier final stages	300 960		901	Cap screw M6x16
					020 135



### 5.1.7 Yarn carrier driving with guiding part

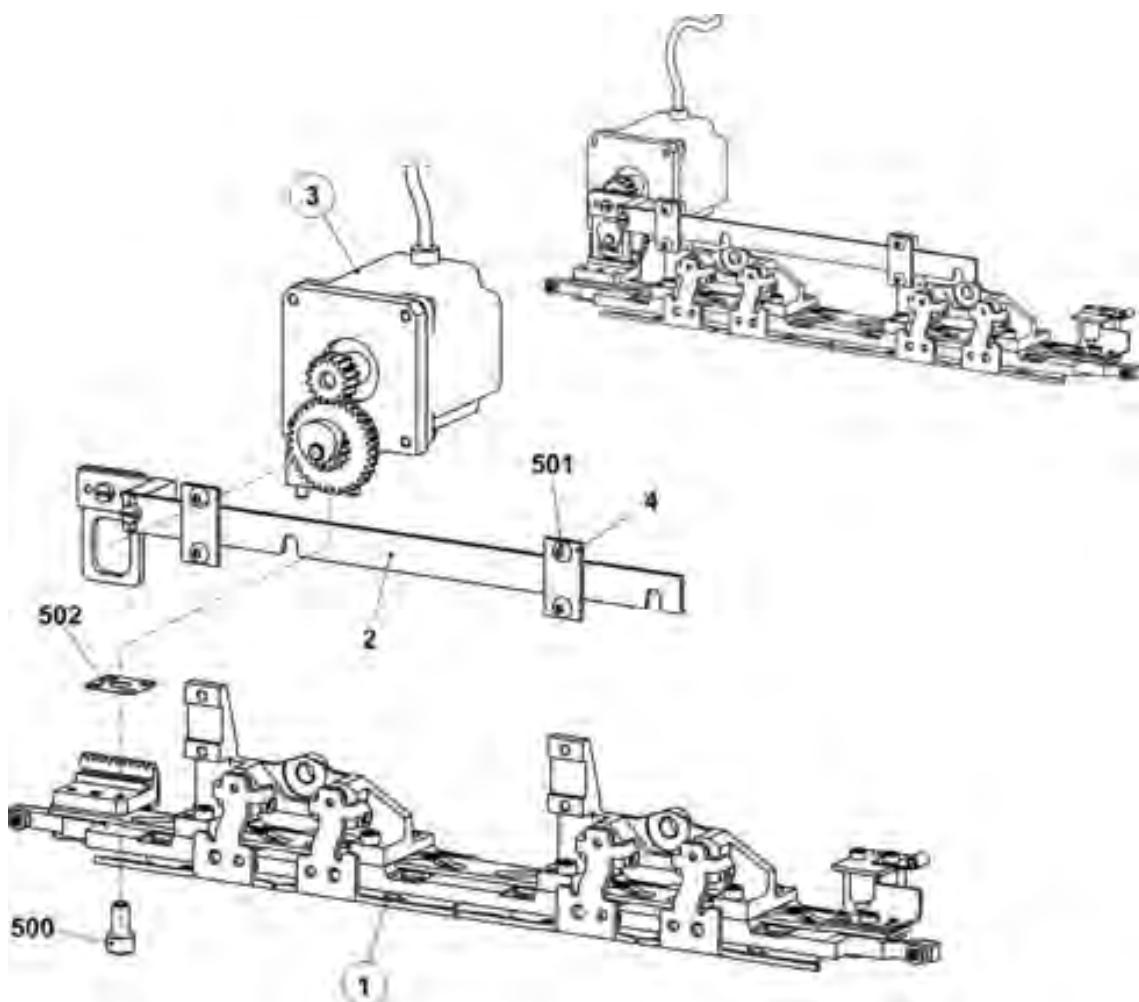
Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	YC driving in the middle complete	245 298	7	Card yarn carrier final stages	300 960
1	Yarn carrier plunger on the right complete	243 080	500	Cap screw M4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118	501	Cap screw M4x25-I-Torx	245 305
3	Support angle for jack	245 313	502	Cap screw M3x12-12.9	022 648
4	Mounting block in the middle	245 308	503	Screw KB60 x 20	243 625
5	Switch mechanism	251 137	900	Dowel screw	231 899
6	Guide part	239 972	901	Cap screw M6x16	020 135



## 5.1 Overview of carriage

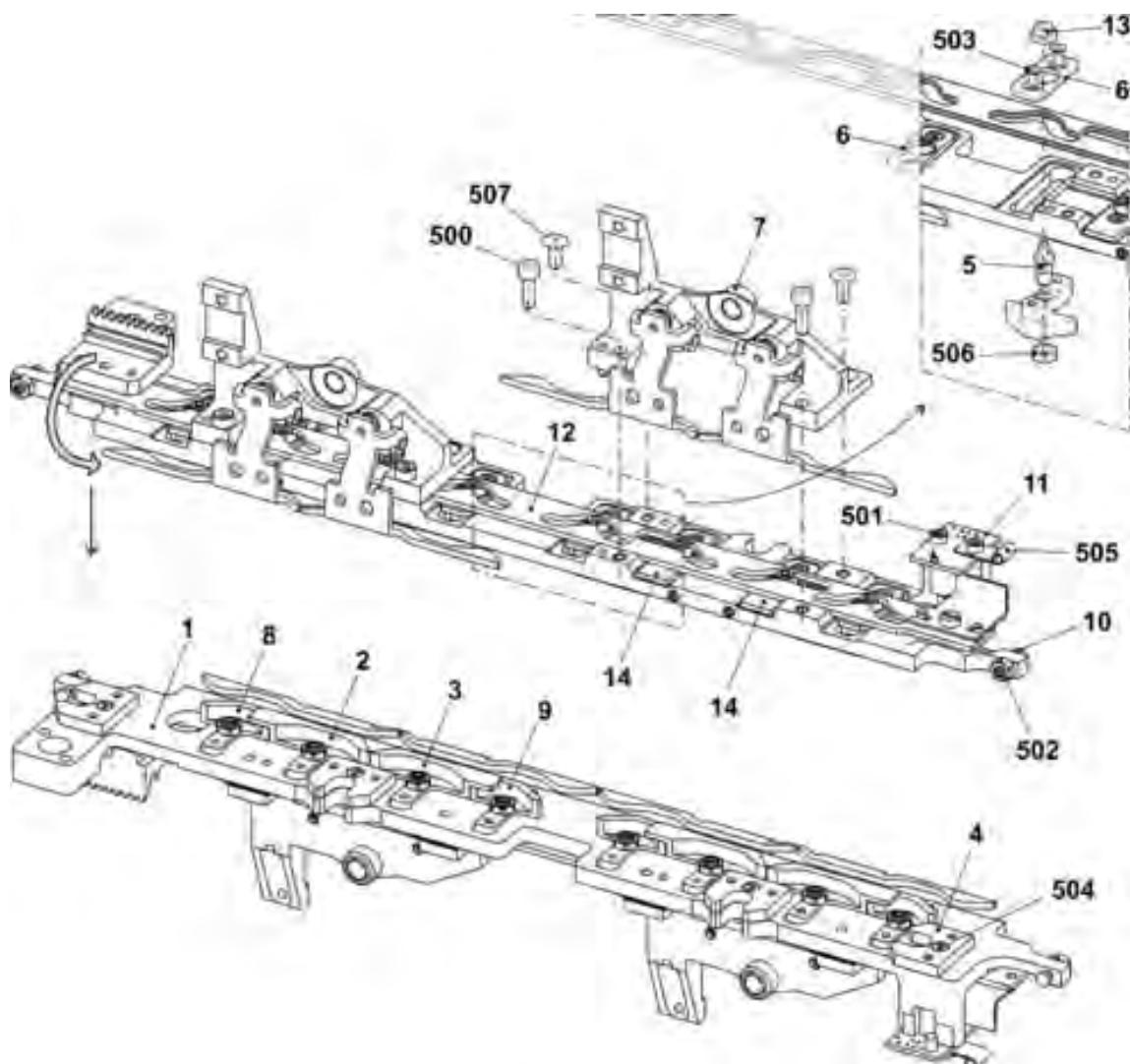
## 5.1.8 Holding-down jack control

Pos	Designation	ID		Pos	Designation	ID
<b>Σ</b>	<b>Holding-down jack control complete</b>			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	Shim 0,05x19x22	251 878



## 5.1.8.1 Jack cam box E5 + E5m.4 + E2,5.2 + E3,5.2kw

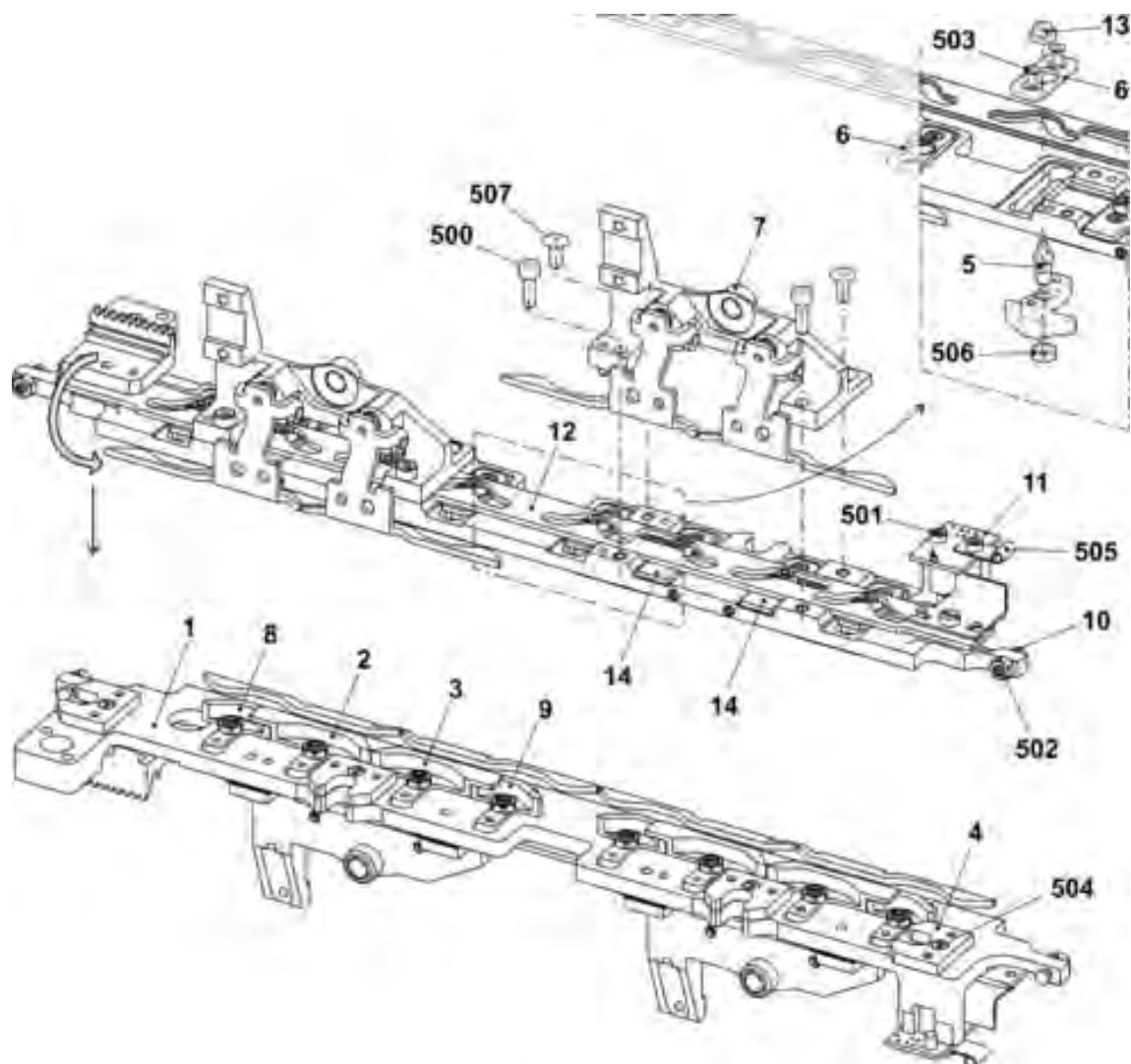
Pos	Designation	ID	Pos	Designation	ID
Σ	Jack cam box complete E5 + E5m.4 + E2,5.2 + E3,5.2kw	250 981	11	Card photoelectric sensor NP V2	240 243
1	Jack cam box plate	250 078	12	Control slide complete E2,5.2-8	253 568
2	Jack slider on the left E2,5.2 + 5	245 015	13	Cap bush	225 855
3	Jack slider on the 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 on the left E2,5.2 + 5	245 017	504	Cap screw M3x6	020 005
9	Floating cam on 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

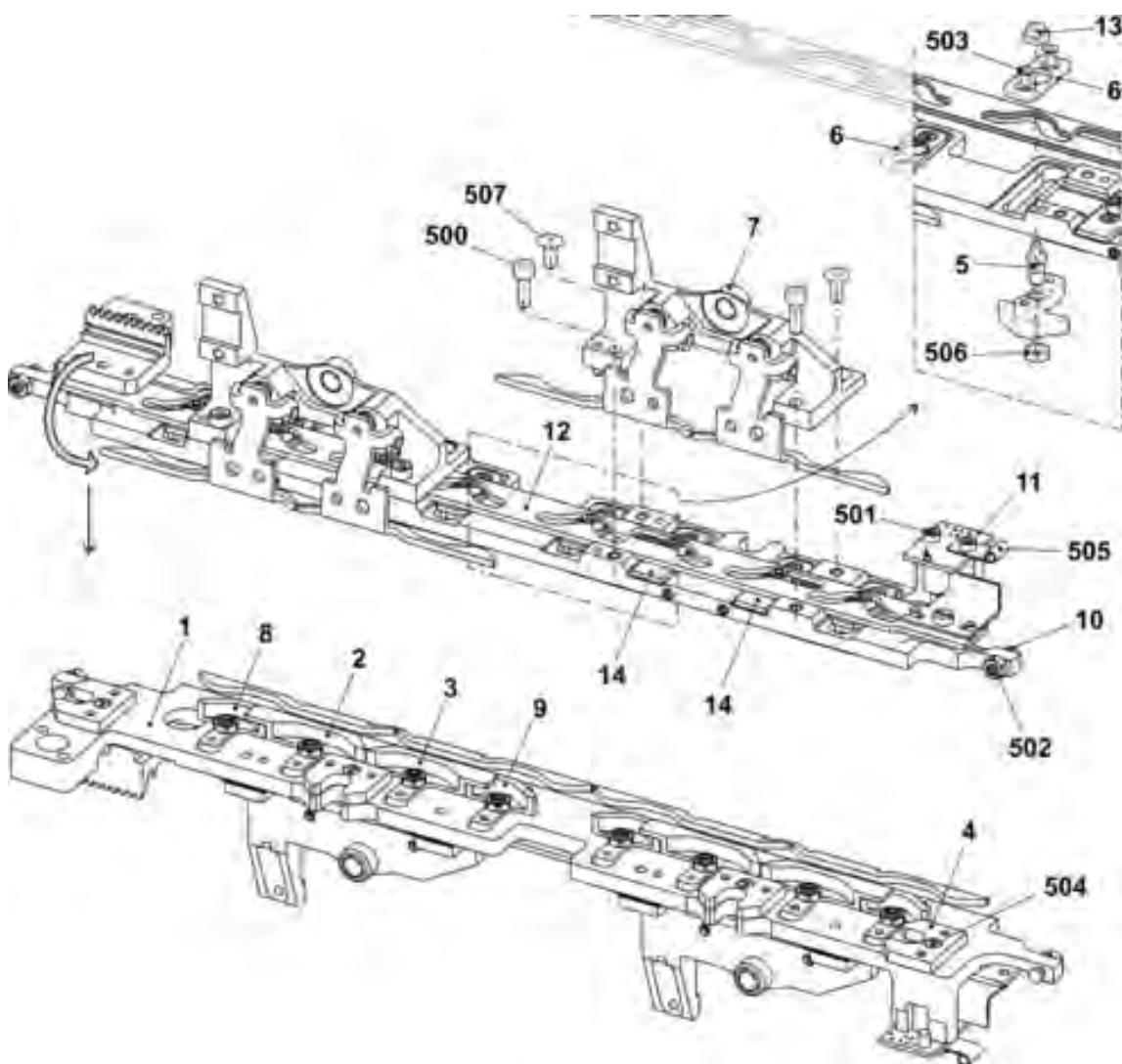
## 5.1.8.2 Jack cam box E7 + E8 + E7m.5 + E7m.8 + E8m.7 + E3,5.2mg + E5.2mg

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Jack cam box complete E7 + E8 + E7m.5 + E7m.8 + E8m.7 + E3,5.2mg + E5.2mg	250 980		11	Card photoelectric sensor 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 on the left E7-8 + 3,5.2mg	250 164		504	Cap screw M3x6	020 005
9	Floating cam on 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



## 5.1.8.3 Jack cam box E5.2 kw

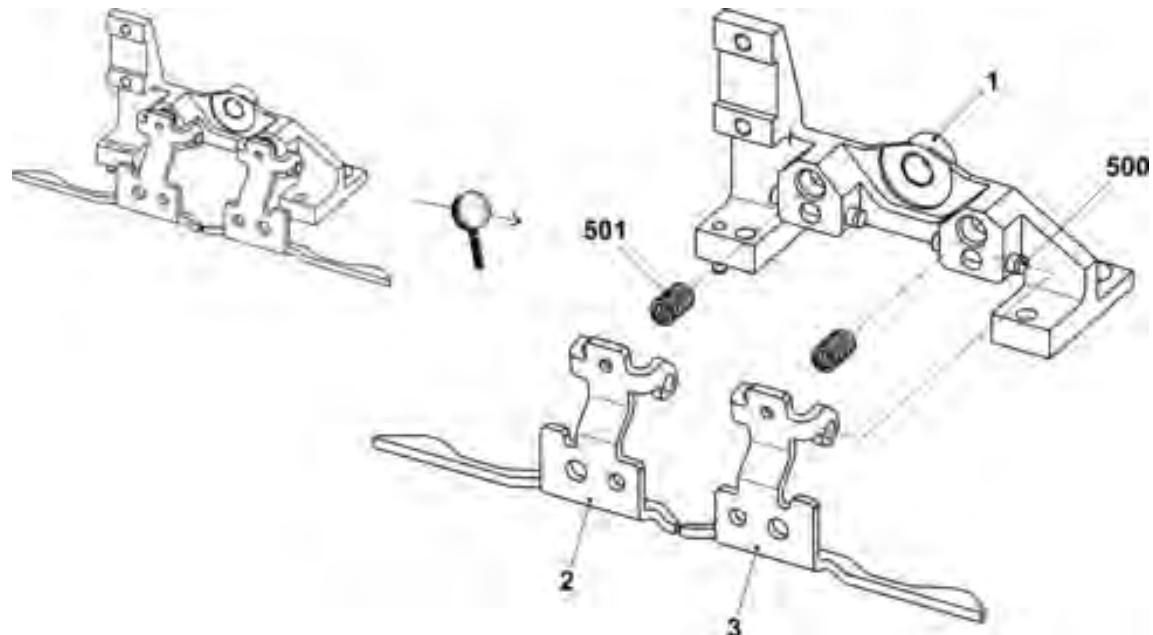
Pos	Designation	ID		Pos	Designation	ID
Σ	Jack cam box complete E5.2kw	250 979		12	Control slide complete E2,5.2-8	253 568
2	Jack slider on the left E5.2   6.2	250 162		13	Cap bush	225 855
3	Jack slider on the right E5.2   6.2	250 163		14	Covering plate	254 958
4	Intermediate plate	239 423		500	Cap screw 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 Overview of carriage

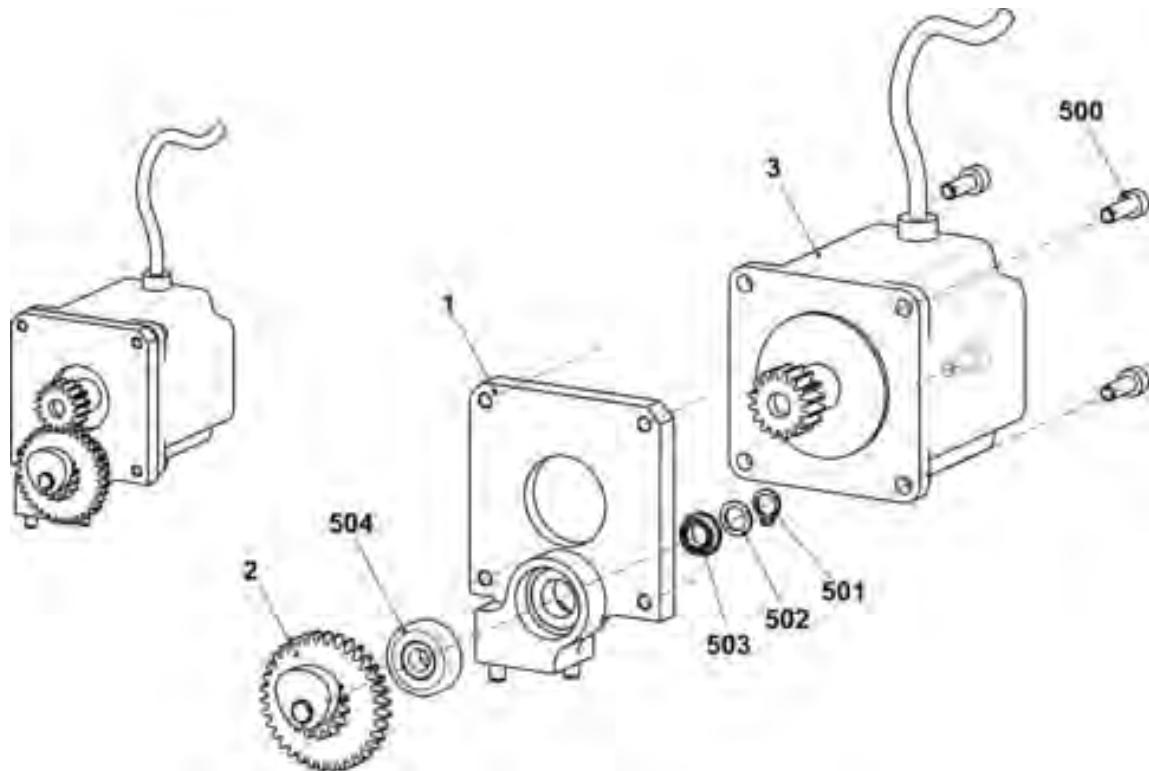
## 5.1.8.4 Support complete

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Support complete	250 577		3	Set-out plate on the left	251 485
1	Support	251 192		500	Setting pin 4x22	020 663
2	Set-out plate on the right	251 484		501	Compression spring 0.8x5.0x12	250 693



5.1.8.5 Control unit holding-down jacks

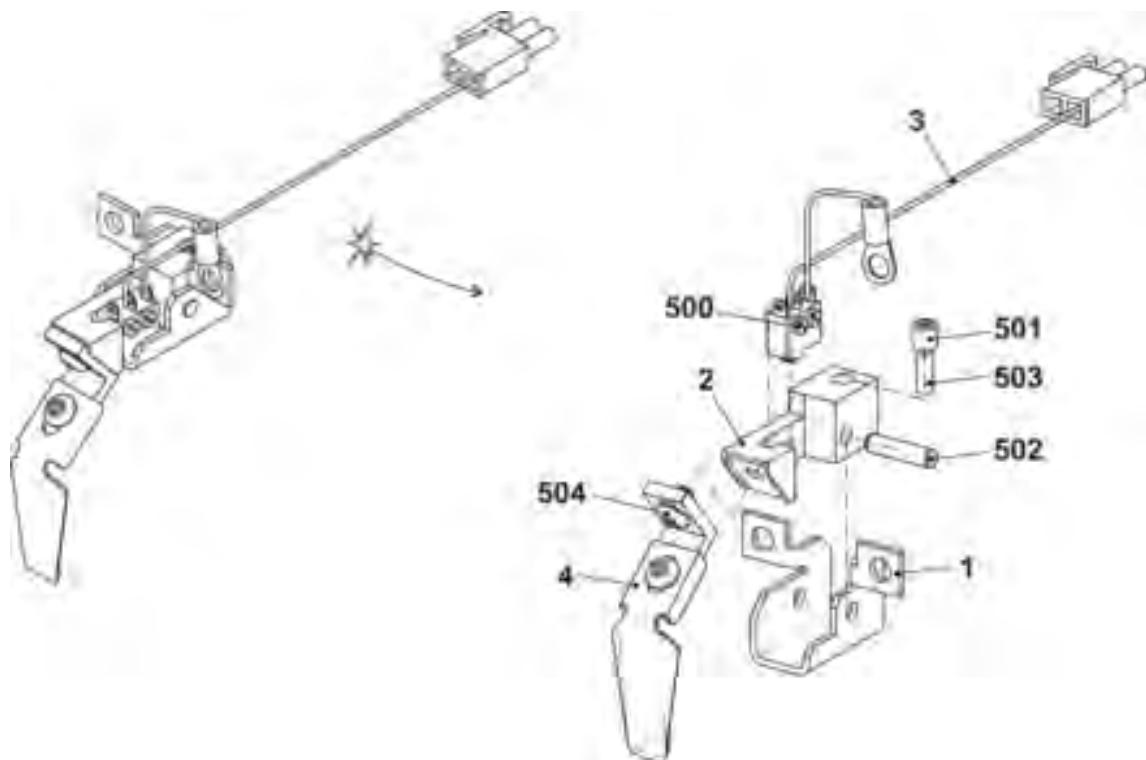
Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Control unit holding-down jacks	239 342				
1	Motor plate	239 336		501	Locking ring 6x0.7	023 298
2	Gear wheel complete	239 341		502	Washer 6.1x9x0.5	023 554
3	Motor complete	239 343		503	Ball bearing 6x10x3	023 533
500	Cap screw M4x12	022 664		504	Ball bearing 626-2RS	023 587



## 5.1 Overview of carriage

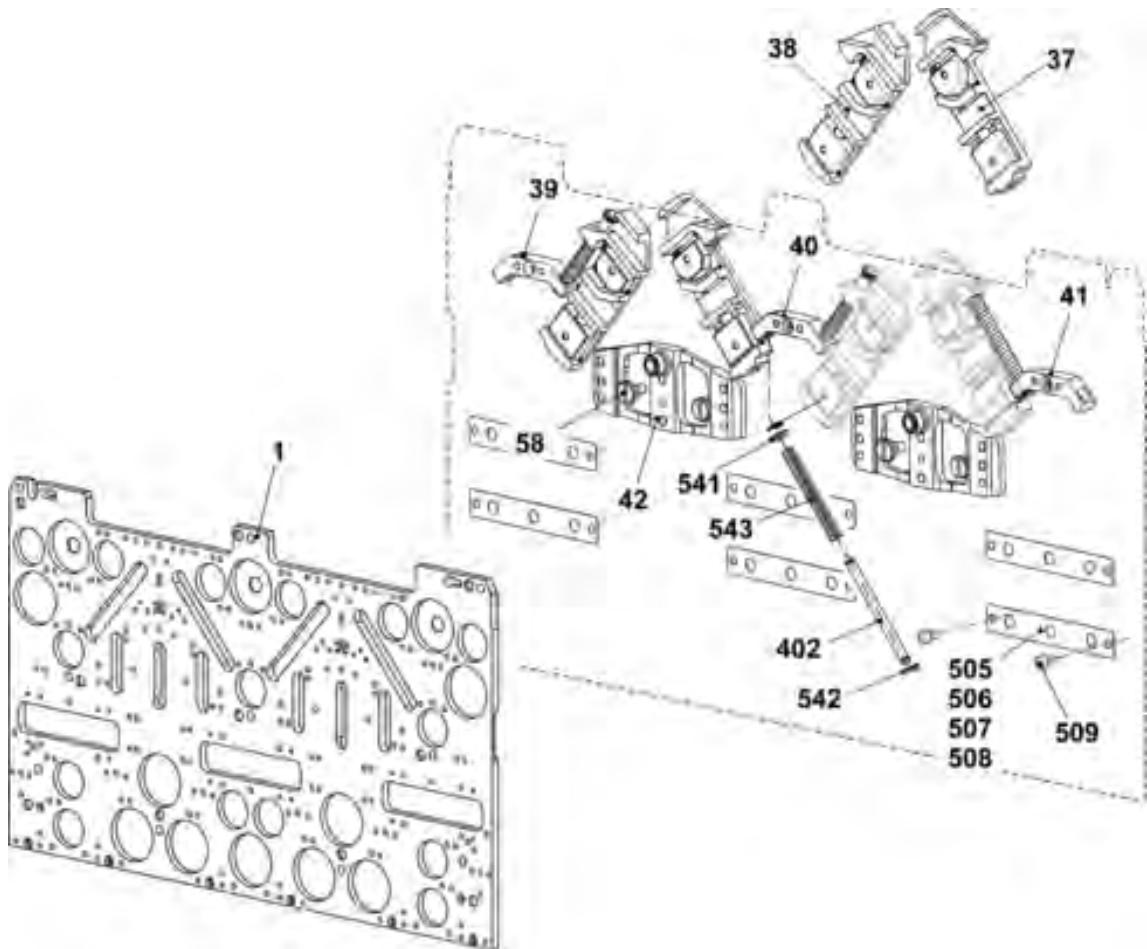
## 5.1.9 Needle detector

Pos	Designation	ID	Pos	Designation	ID
$\Sigma$	Needle detector E5-14	239 444	500	Pan-head screw M2x8	258 310
1	Holder needle stop	239 405		Setscrew M5x8	022 809
2	Switching part	239 368		Dowel pin 4x16	020 660
3	Cable of needle detector complete	240 018		Compression spring 4,3x0,45x10	021 398
4	Sensor pre-assembled E5-14	221 758		Pan-head screw M4x6	023 427



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

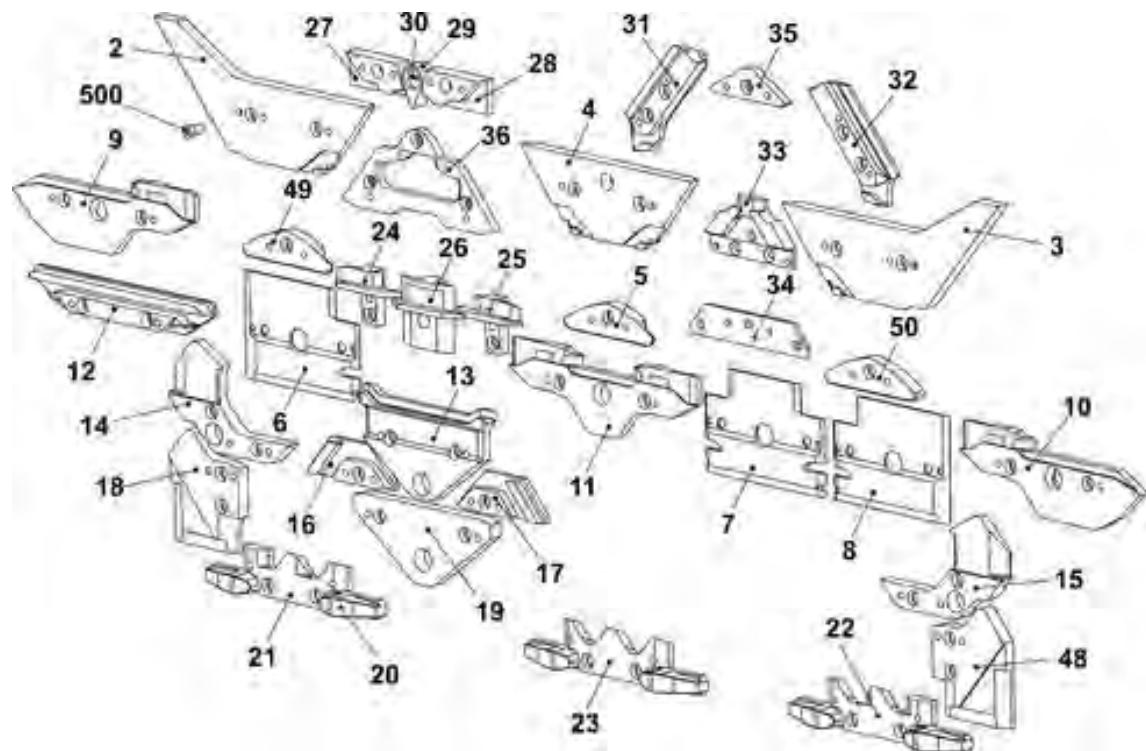
Pos	Designation	ID		Pos	Designation	ID
<b>Σ</b>	Cam box set complete E5	244 239		542	Circlip 3,2	021 019
1	Cam plate	241 760		543	Compression spring	250 515
37	Loop sinking cam on the right complete E5-10	211 163		42	Switching piece	240 281
38	Loop sinking cam on the left complete E5-10	211 164		58	Shoulder screw	239 626
39	Rod guide element on the left	211 165		505	Shim 0,03x12x75	022 828
40	Rod guide element in the middle	211 166		506	Shim 0,05x12x75	022 829
41	Rod guide element on the right	211 168		507	Shim 0,1x12x75	022 830
402	Spring rod	209 791		508	Shim 0,2x12x75	022 831
541	Disk 4,3x7x0,5	022 153		509	Pan-head screw M3x4	023 142



## 5.1 Overview of carriage

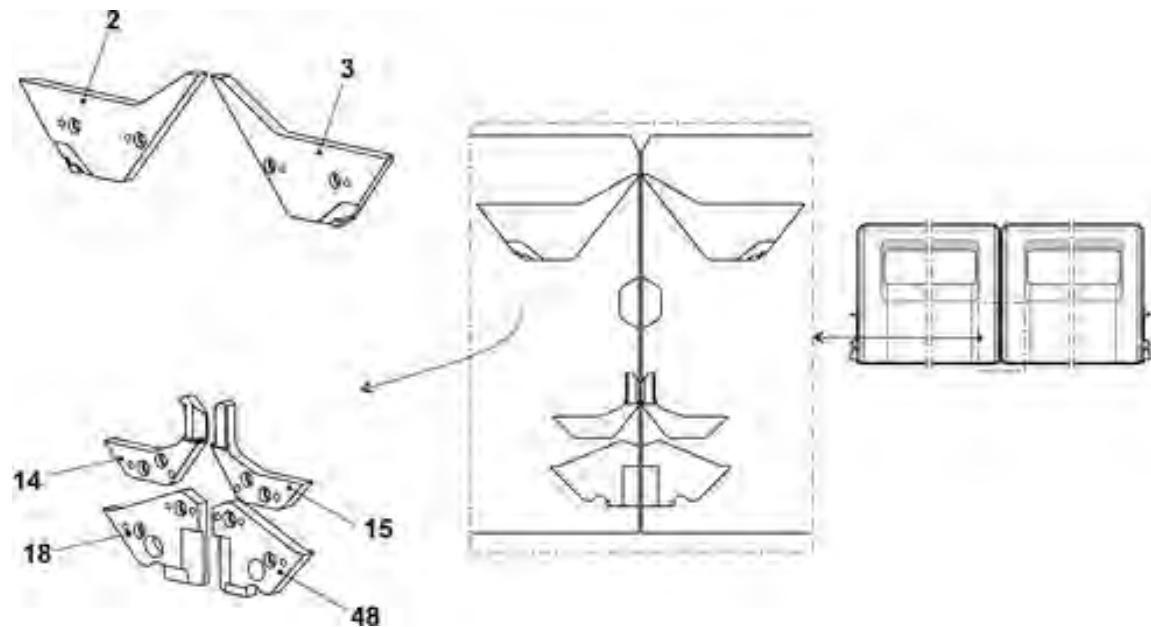
## 5.1.10.1 Cams E5 | E5m.4 | E7m.5 | E2,5.2 | E3,5.2kw | E5

Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left	213 304	23	Selection cam	212 946
3	Entry cam on the right	213 303	24	Pressure part take-over on the left	239 848
4	Entry cam in the middle	210 285	25	Pressure part take-over on the right	239 849
5	Entry cam in the middle at the bottom E2,5.2 + E3,5.2	235 719	26	Tuck pressure part	239 621
6	Plate on the left	230 988	27	Limit cam on the left E5	210 289
7	Plate in the middle	231 035	28	Limit 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 limit 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 on the right E5-14	212 266	36	Raising cam without split-stitch E5	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	48	Cam on the right E5-14	212 275
18	Cam on the left E5-14	212 274	49	Entry cam on the left bottom E2,5.2   E3,5.2	235 718
19	Cam part	210 252	50	Entry cam on the right at the bottom E2,5.2   E3,5.2	235 720
20	Offering cam	210 185	51	Shoulder screw	239 626
21	Selection cam on the left	212 944	500	Cap screw M4x8	020 091
22	Selection cam on the right	212 947			



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

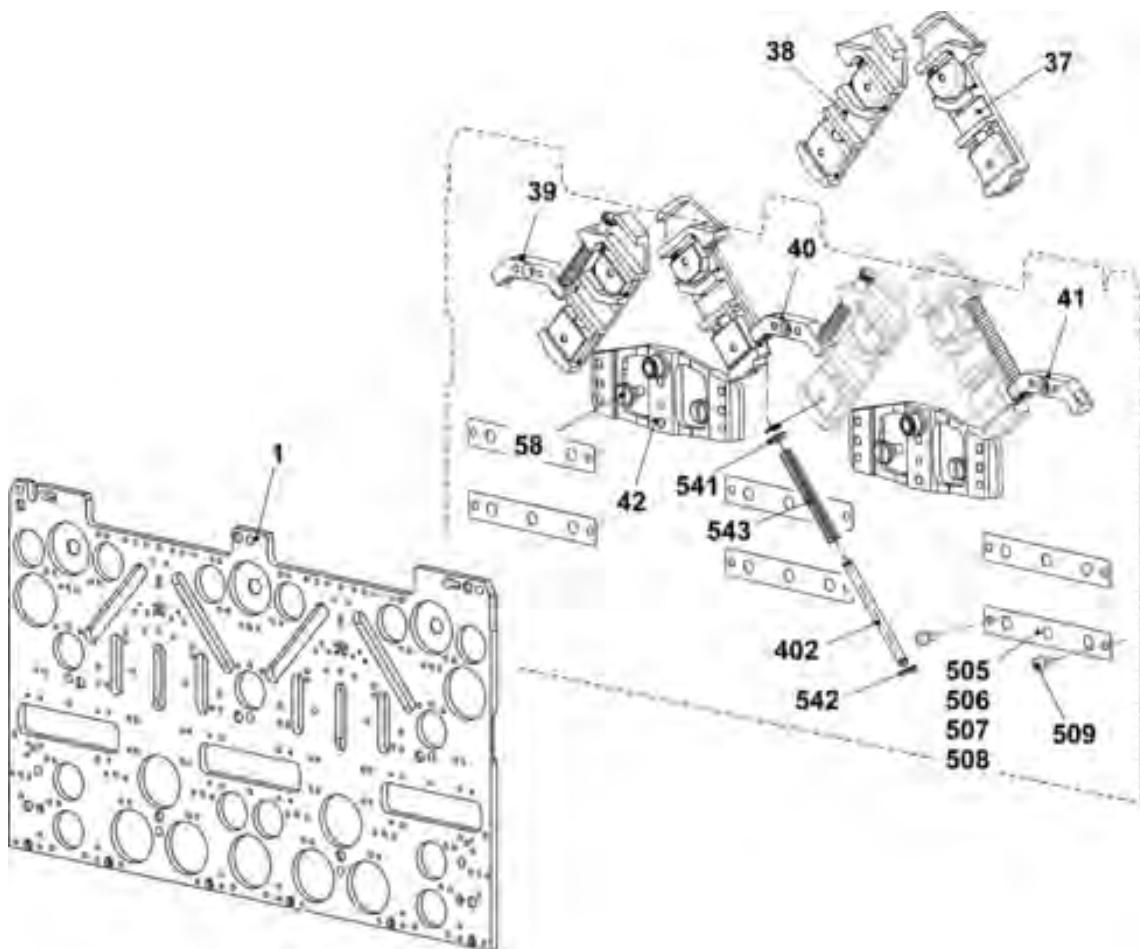
Pos	Designation	ID		Pos	Designation	ID
2	Entry cam on the right E5-14	216 220		3	Entry cam on the left E5-14	216 221
14	Cam on the right E5-14	216 168		15	Cam on the left E5-14	216 167
18	Cam on the right	216 166		48	Cam on the left	216 165



## 5.1 Overview of carriage

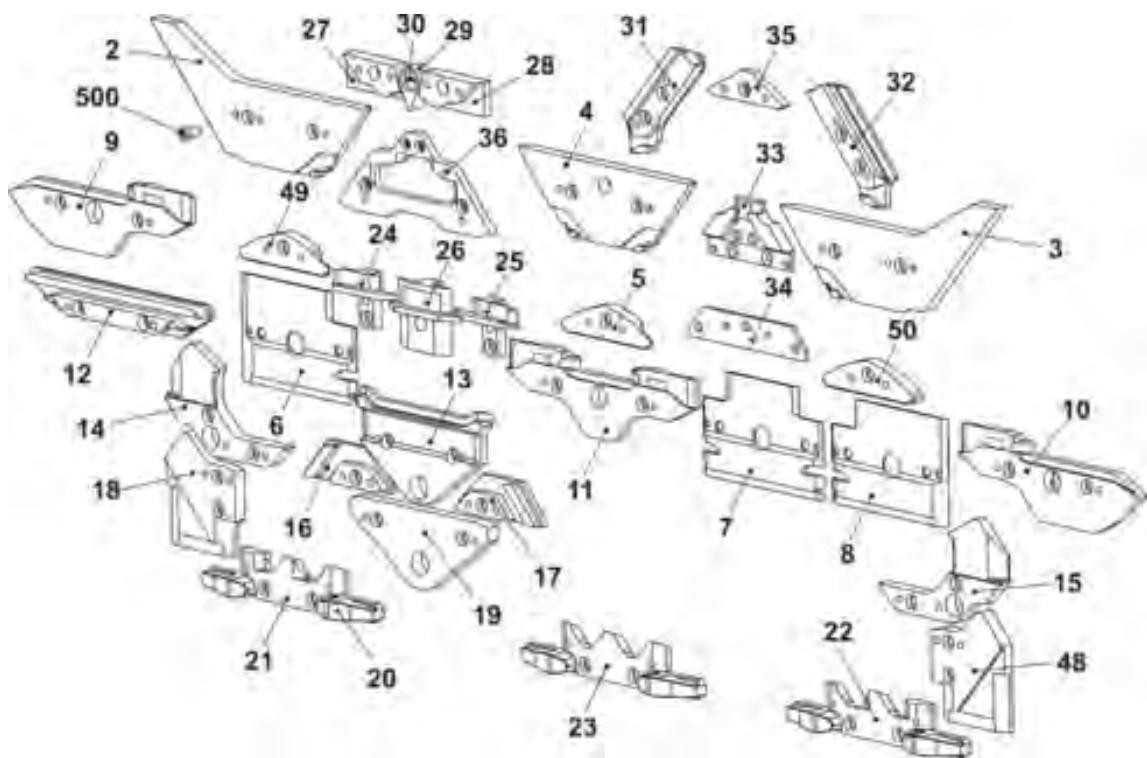
## 5.1.11 Cam box E7 | E8 | E7m.8 | E8m.7

Pos	Designation	ID	Pos	Designation	ID	
<b>Σ</b>	<b>Cam box set complete E3</b>	<b>244 389</b>		542	Circlip 3,2	021 019
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	Shim0,03x12x75	022 828
40	Rod guide element in the middle	211 166		506	Shim0,05x12x75	022 829
41	Rod guide element on the right	211 168		507	Shim0,1x12x75	022 830
	402	Spring rod		508	Shim0,2x12x75	022 831
	541	Disk4,3x7x0,5		509	Pan-head screw M3x4	023 142



## 5.1.11.1 Cams E7 + E8 + E7m.8 + E8m.7

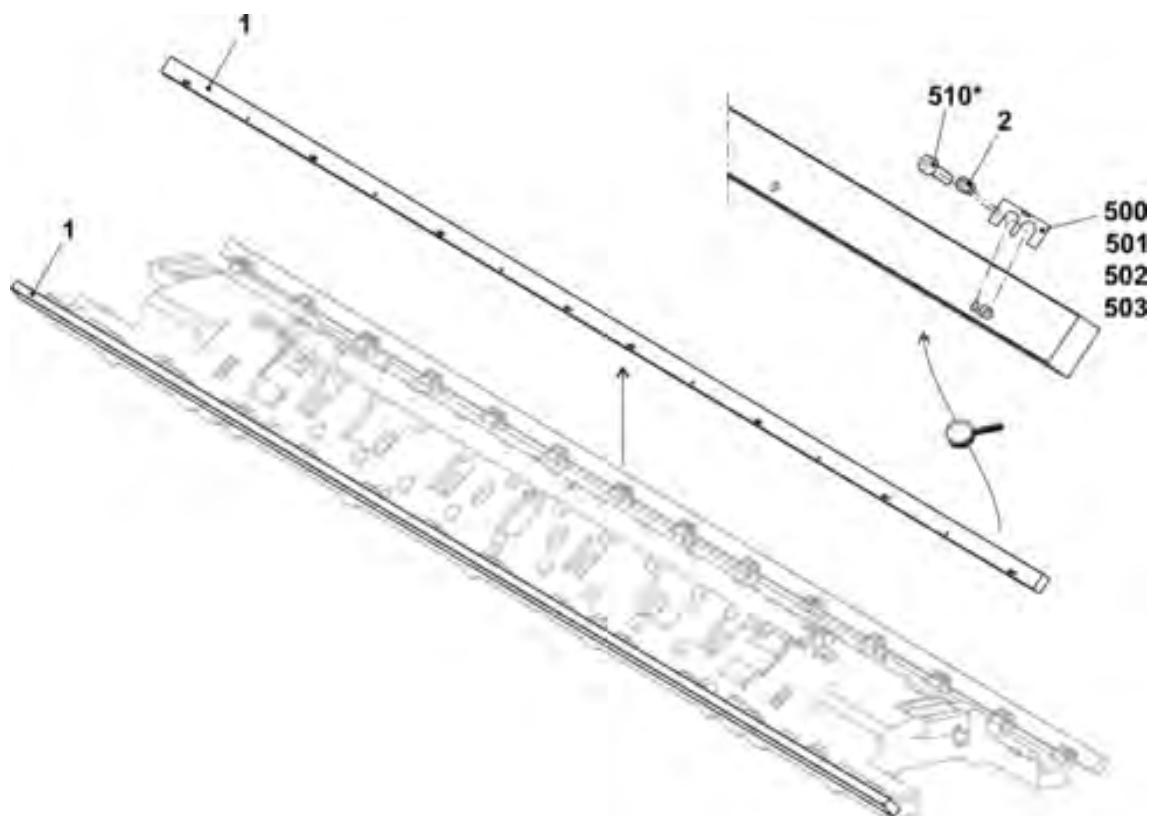
Pos	Designation	ID		Pos	Designation	ID
2	Entry cam on the left	213 304		23	Selector cam	212 946
3	Entry cam on the right	213 303		24	Pressure part take-over on the left	239 848
4	Entry cam in the middle	210 285		25	Pressure part take-over on the right	239 849
5	Entry cam at the bottom E5-8	212 395		26	Tuck pressure part	239 621
6	Plate on the left	230 988		27	Limit cam on the left E7-8	210 291
7	Plate in the middle	231 035		28	Limit 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 on the right	231 041		31	Stitch cam on the left E7-8	210 324
11	Cam in the middle	231 040		32	Stitch cam on the right E7-8	210 323
12	Cam	227 923		33	Tuck limit cam E7-8	255 056
13	Cam	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 on the right E5-14	212 266		36	Raising cam without split E7-8	255 055
16	Cam on the left	236 192			Raising cam with split E7-8 Accessory	255 192
17	Cam on the right	236 193		48	Cam on the right E5-14	212 275
18	Cam on the left E5-14	212 274		49	Entry cam on the left E5-8	213 161
19	Cam	210 252		50	Entry cam on the right E5-8	213 162
20	Offering cam	210 185			Cap screw M4x8	020 091
21	Selector cam on the left	212 944				
22	Selector cam on the right	212 947				



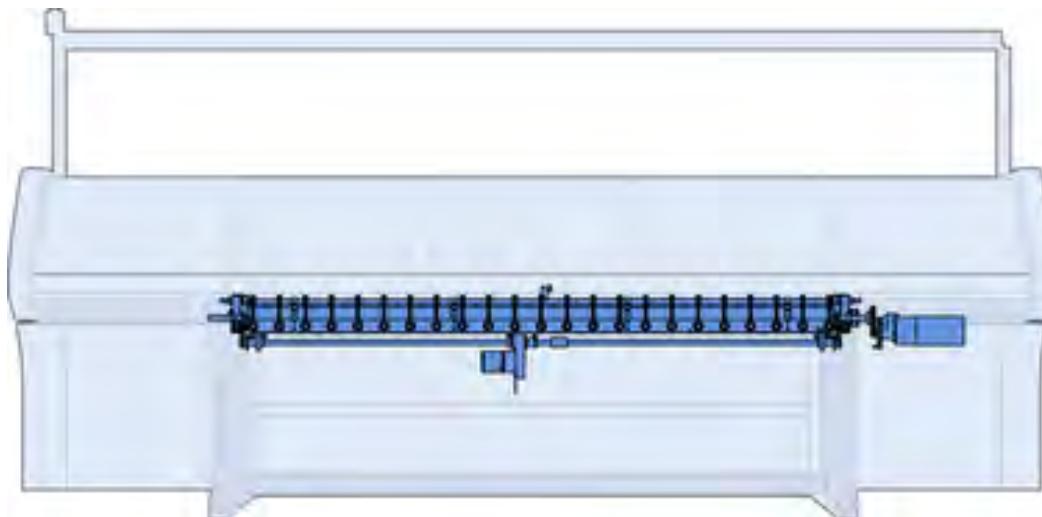
## 5.2 Spare parts package carriage guide rail

## 5.2 Spare parts package carriage guide rail

Pos	Designation	ID	Pos	Designation	ID
$\Sigma$	Spare parts package carriage guide rail 84"	252 993	501	Shim 0,05x22x42	243 291
1	Carriage guide rail	242 486		Shim 0,10x22x42	243 292
2	Adjusting eccentric	241 219		Shim 0,20x22x42	243 293
500	Shim 0,03x22x42	243 289		Cap screw M8x20	020 141



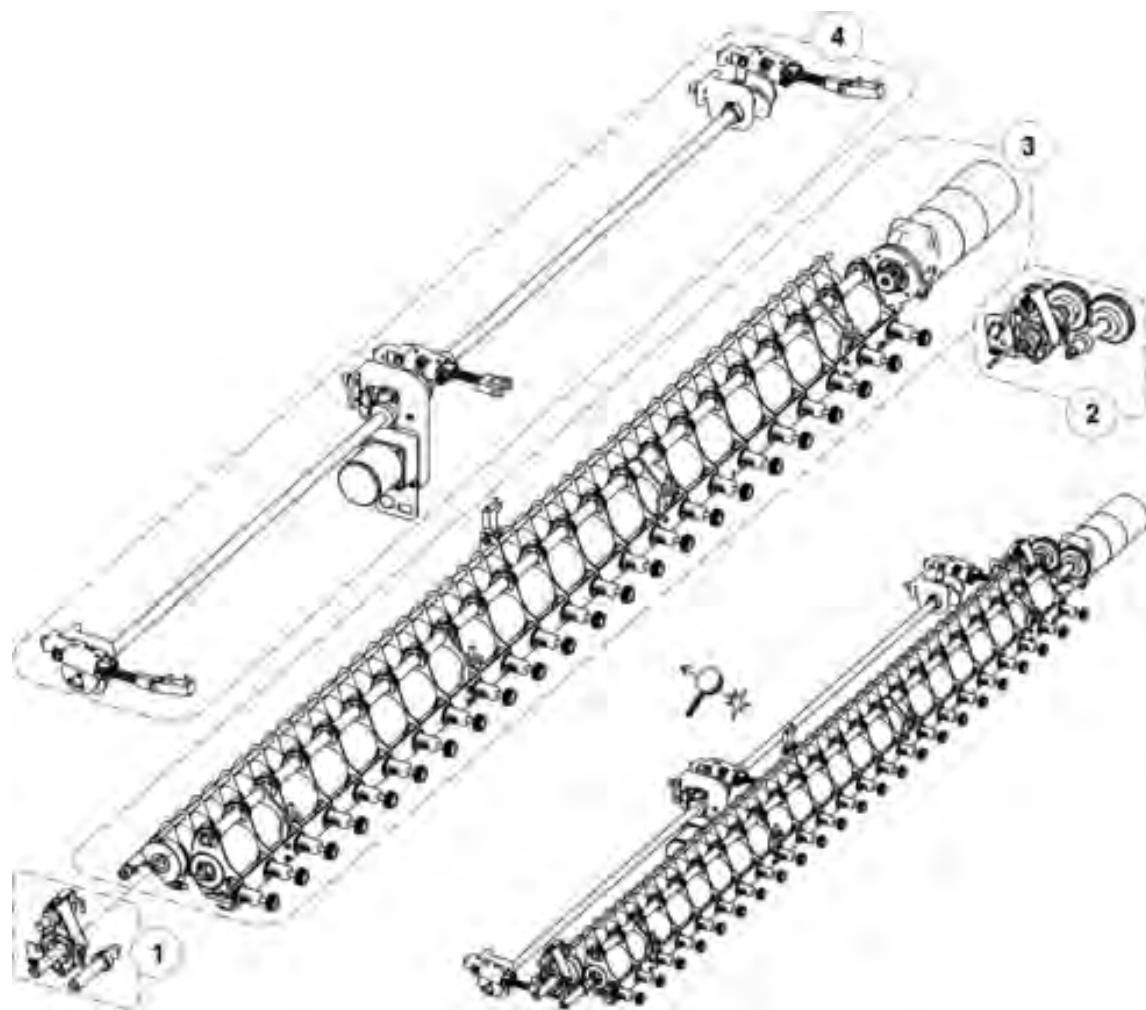
## 6 Main take-down



## 6.1 Main take-down

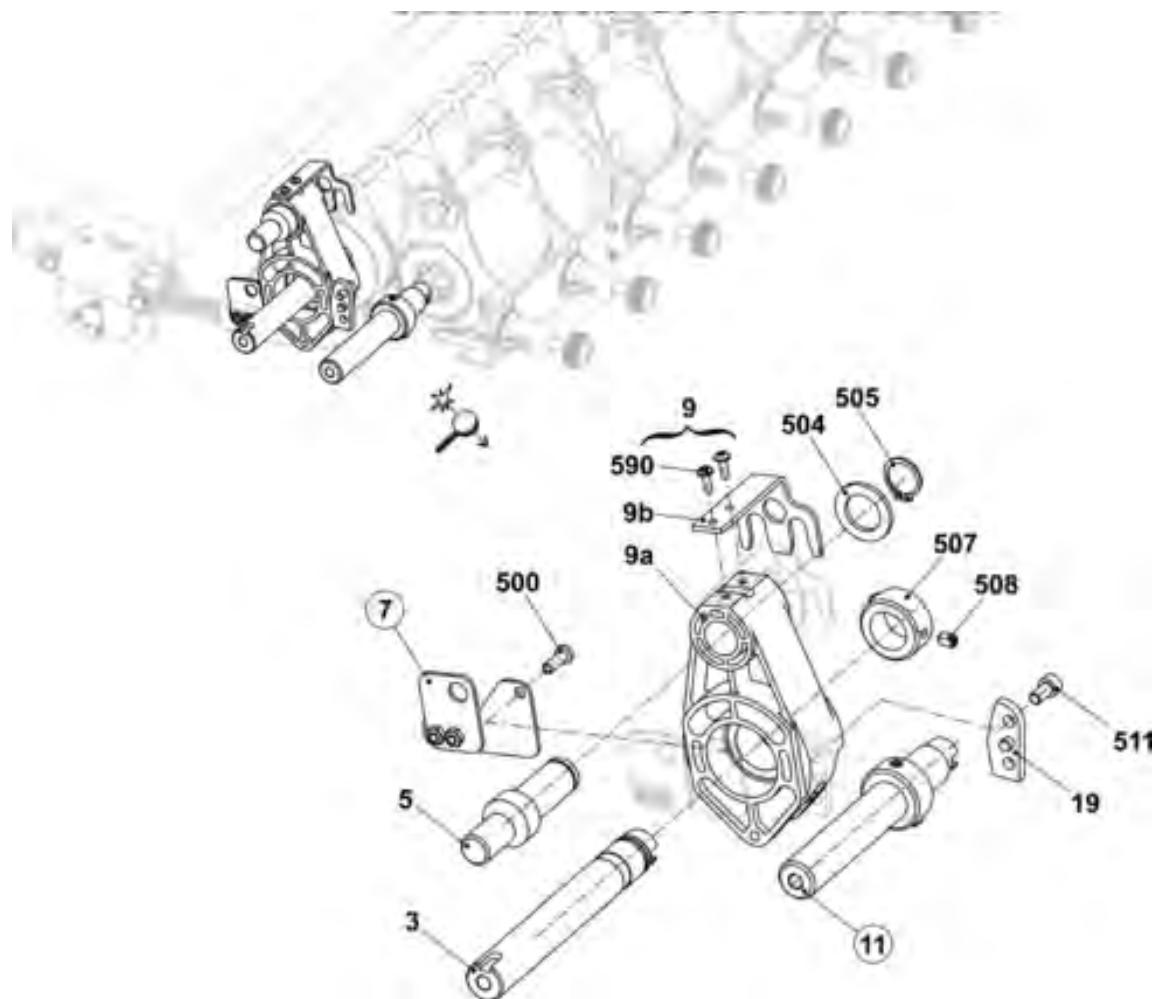
## 6.1 Main take-down

Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	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	253 387



## 6.2 Main take-down on the left

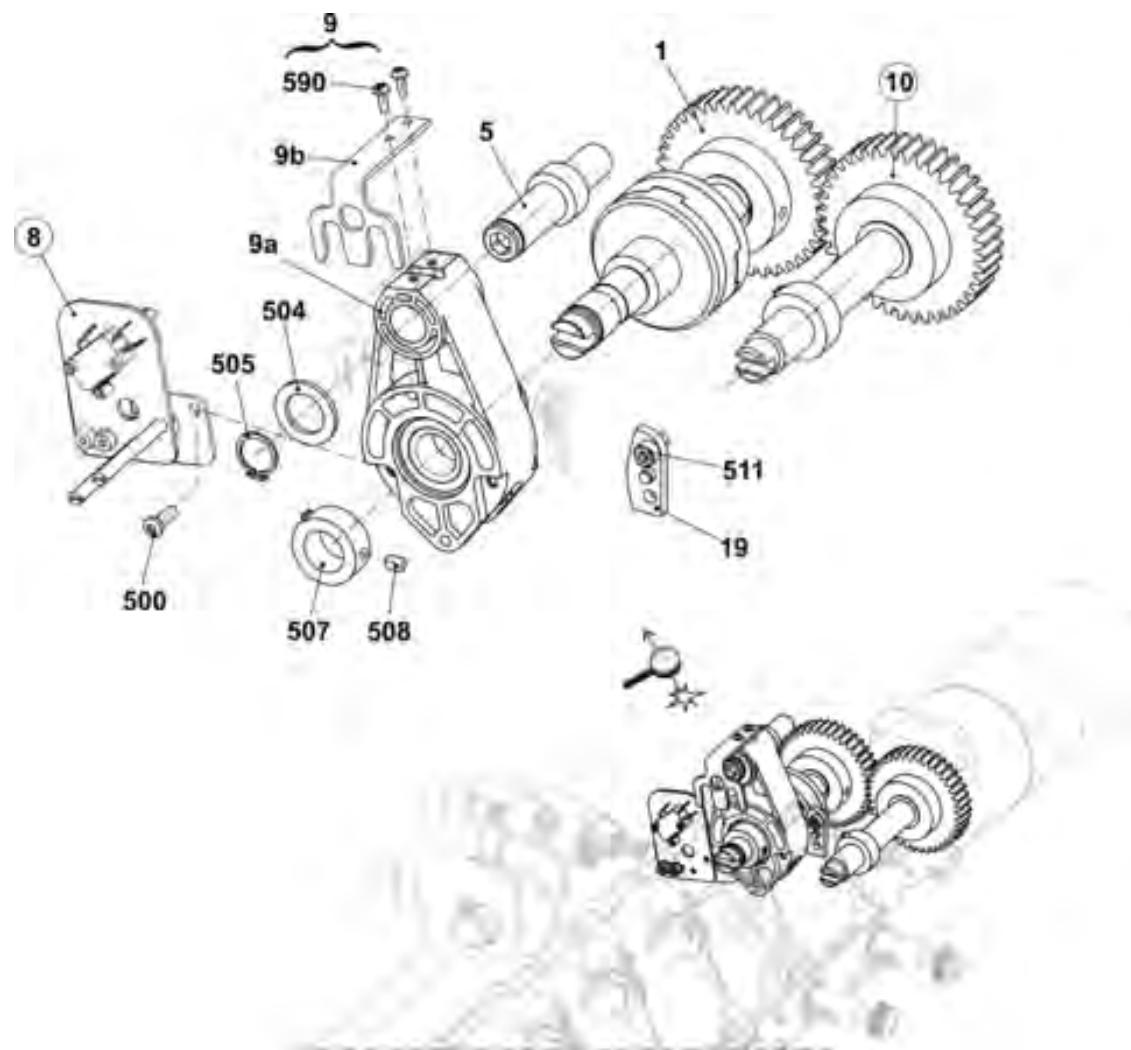
Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down on the left	255 257		11	Floating axle on the left	237 354
3	Shaft on the left at the rear	255 305		19	Stop point	252 503
5	Bolt	208 538		500	Screw 50x15	251 728
7	Mounting plate on the left complete	231 725		504	U-washer 18	023 295
9	Swivel-mounted bearing	253 247		505	Locking ring 18x1.2	020 955
A9	Swivel-mounted bearing	253 200		507	Set collar	020 938
9b	Sheet metal support	253 212		508	Set screw	022 684
590	Screw 35x10	251 729		511	Cap screw M6x12	020 134



## 6.3 Main take-down right

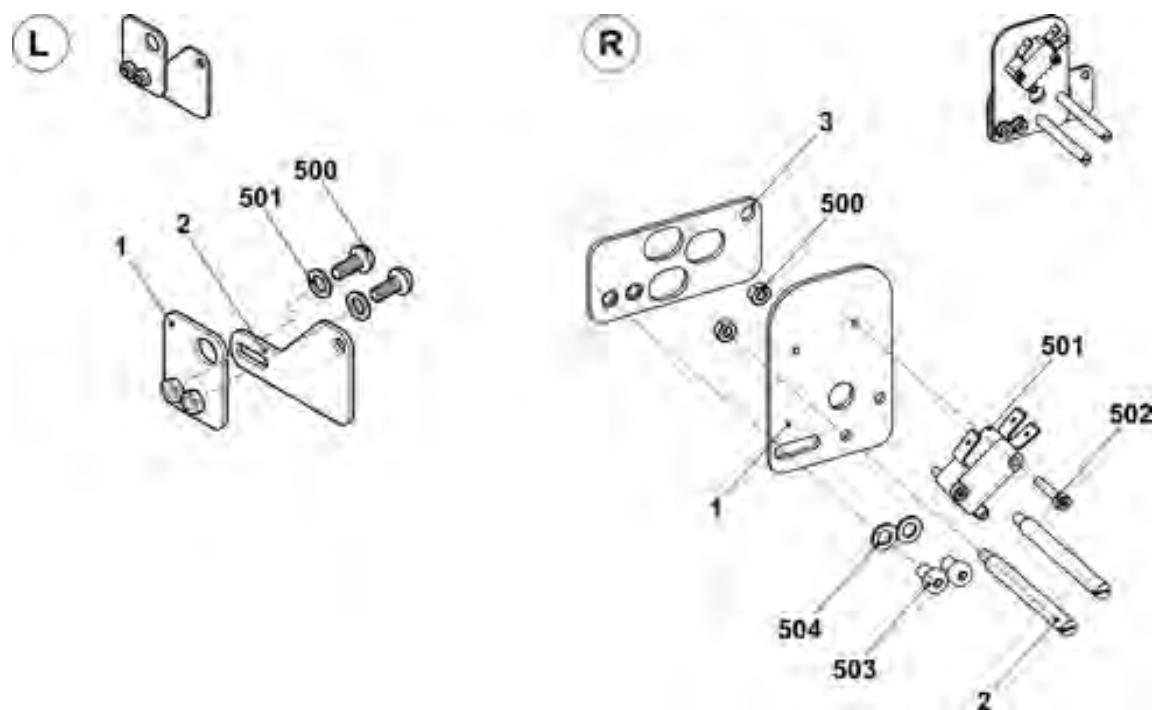
## 6.3 Main take-down right

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Main take-down right	255 258		10	Floating axle on the right	237 353
1	Clutch set	253 260		19	Stop point	252 503
5	Bolt	208 538		500	Screw 50x15	251 728
8	Mounting plate on the right complete	240 069		504	U-washer 18	023 295
9	Swivel-mounted bearing	253 247		505	Locking ring 18x1.2	020 955
9a	Swivel-mounted bearing	253 200		507	Set collar A20	020 938
9b	Sheet metal support	253 212		508	Set screw M6x8	022 684
590	Screw 35x10	251 729		511	Cap screw M6x12	020 134



### 6.3.1 Mounting plate

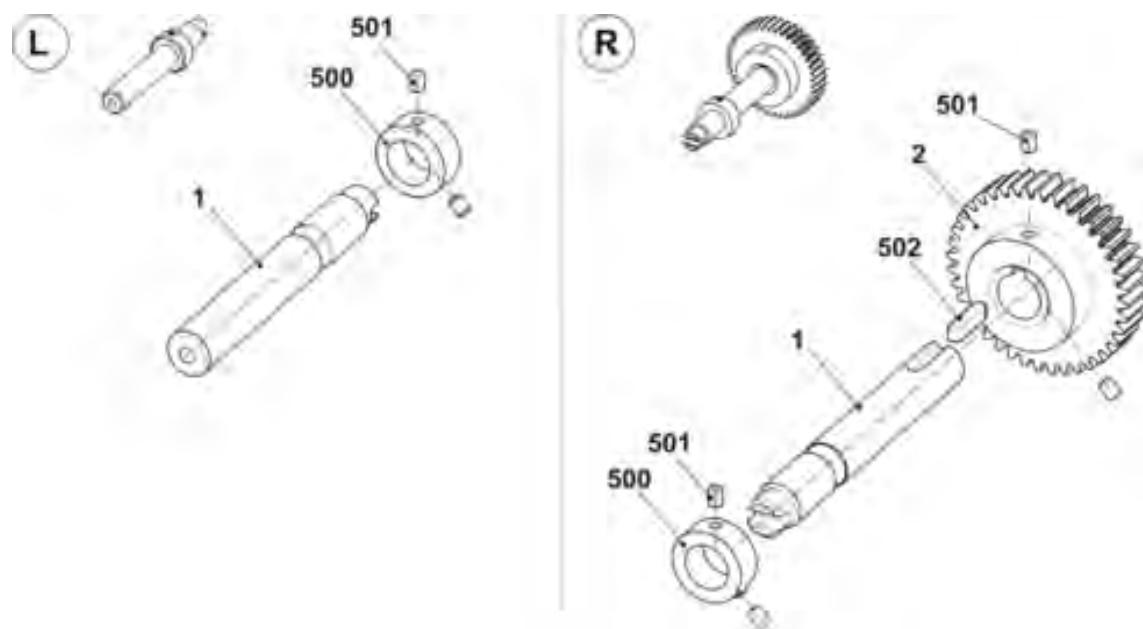
Pos	Designation	Id	Pos	Designation	Id		
$\Sigma L$	Mounting plate on the left complete	231 725	$\Sigma R$	Mounting plate on the right complete	240 069		
1	Mounting plate on the left	231 541		1	Mounting plate on the right	240 068	
2	Retaining plate on the left	231 539		2	Setscrew	240 067	
500	Countersunk screw M5x10	023 247		3	Retaining plate on the right	240 066	
501	Serrated lock washer J6.4	022 489		500	Hexagon nut M4-6	022 536	
				501	Microswitch	026 259	
				502	Cap screw M3X16	022 583	
				503	Cap screw M5x8	244 278	
				504	U-washer 5-200	020 871	



## 6.3 Main take-down right

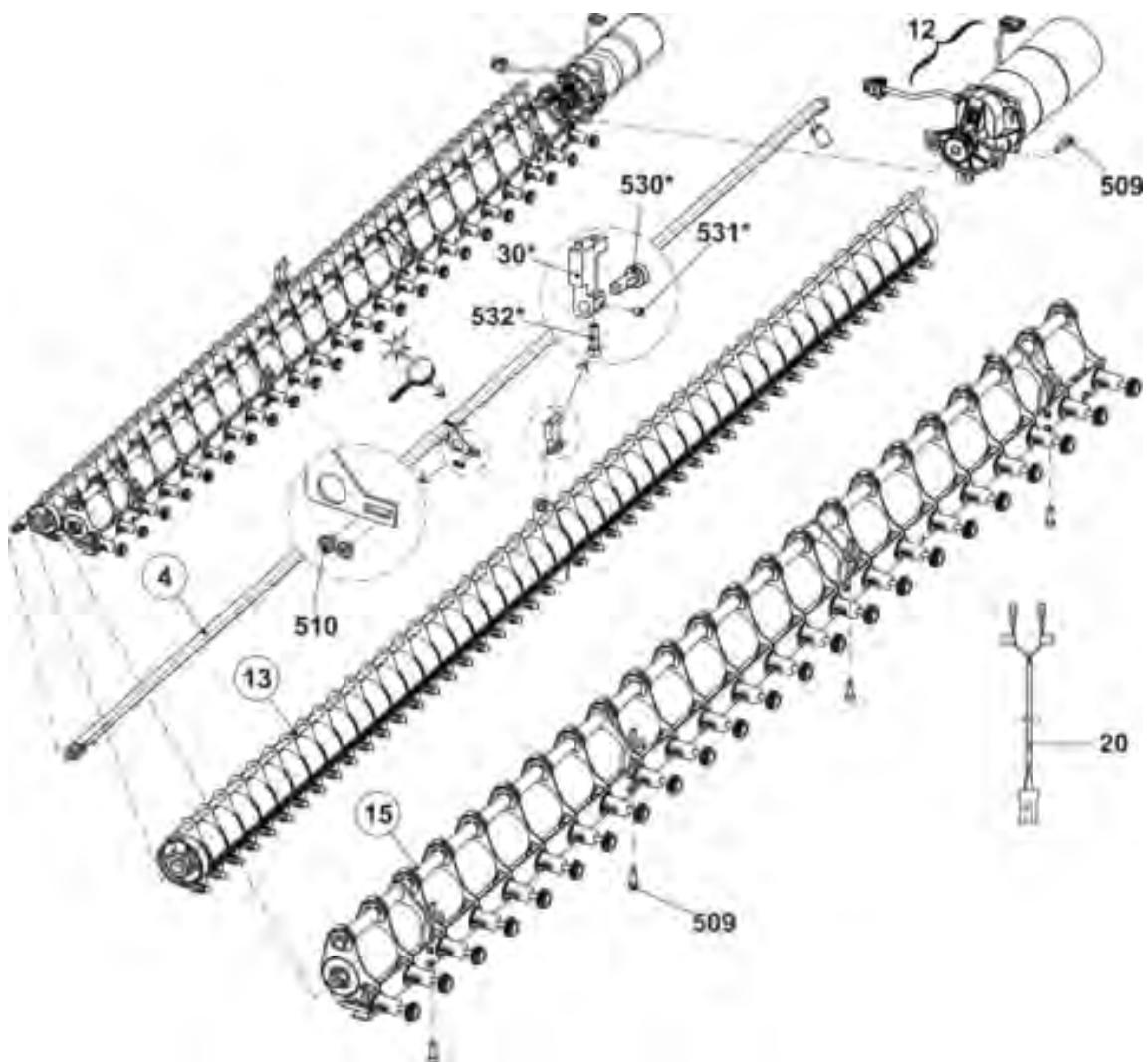
## 6.3.2 Floating axle

Pos	Designation	ID	Pos	Designation	ID		
$\Sigma L$	Floating axle on the left	237 354	$\Sigma R$	Floating axle on the right	237 353		
1	Shaft on the left at the front	237 334		1	Shaft on the right at the front	237 340	
500	Set collar	020 938		2	Gear wheel z=40, m=2	213 744	
501	Set screw M6x8	022 684		500	Set collar	020 938	
				501	Set screw M6x8	022 684	
				502	Feather key A 6x6x25	023 017	



## 6.4 Main take-down in the middle

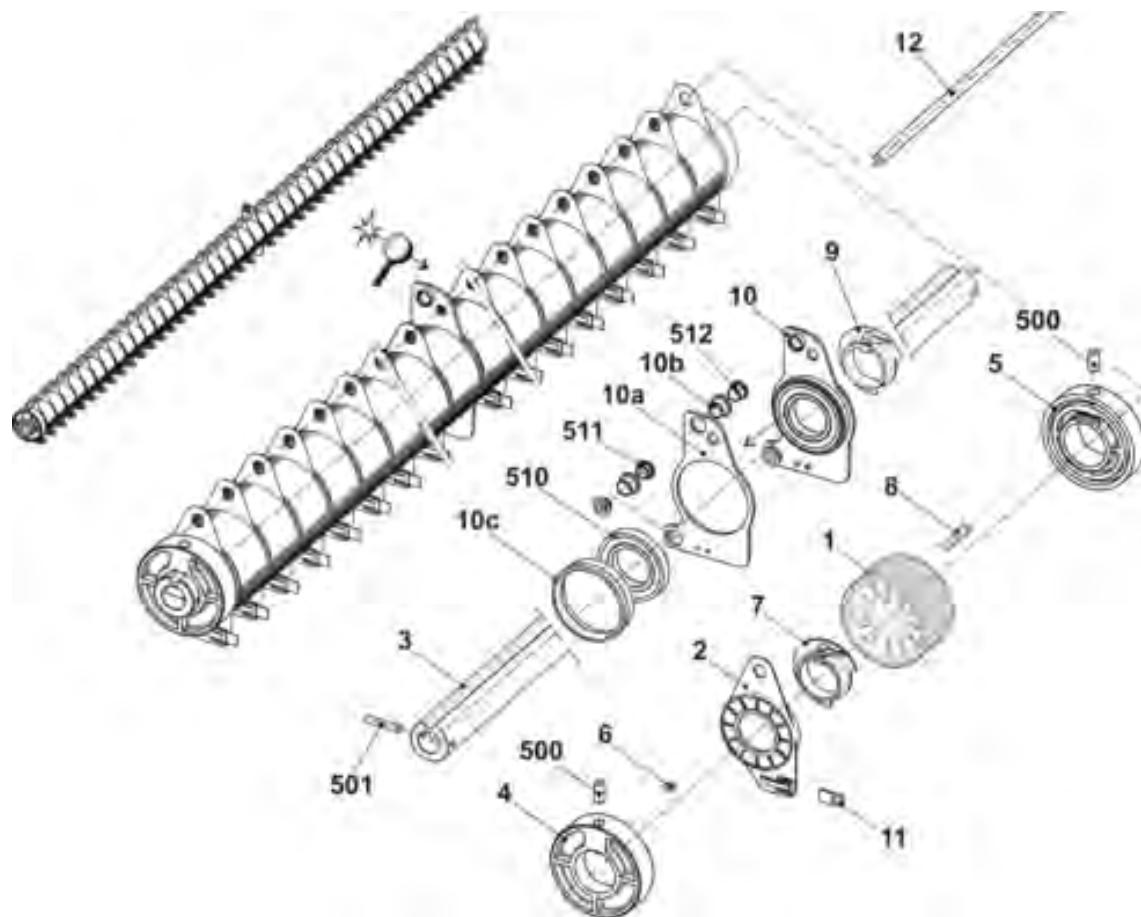
Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down in the middle E5-14	255 249	509 510 30* 530* 531* 532*	Cap screw M8x25	020 142
4	Stripper angle at the rear complete	259 987		Pan-head screw M4x6	235 450
12	Motor take-down unit complete	253 803		Bearing block	237 204
13	Take-down roller at the rear complete E3-14	243 810		Bolts	237 211
15	Take-down roller at the front complete	253 390		Setscrew M6x8	023 723
20	Connection cable winding plate	241 703		Cap screw M8x20	020 136



## 6.4 Main take-down in the middle

## 6.4.1 Rear take-down roller

Pos	Designation	ID		Pos	Designation	ID	
<b>Σ</b>	Take-down roller at the rear complete E3-14	<b>243 810</b>					
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

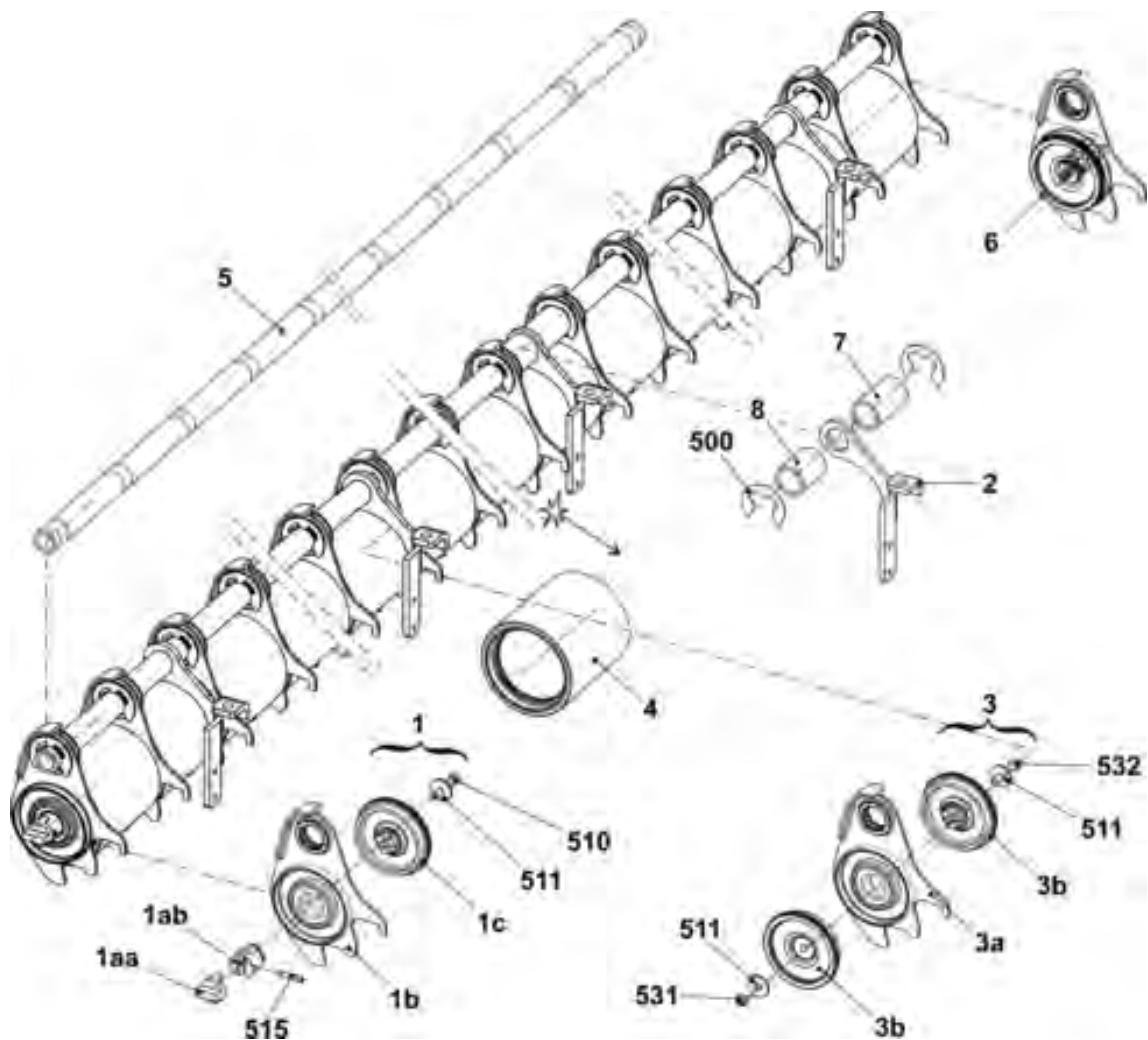
Pos	Designation	Id		Pos	Designation	Id
<b>Σ</b>	Take-down roller at the front complete	253 390		4	Locating piece	221 935
1	Take-down roller at the front	253 423		500	Compression spring 1x10x30	023 741
2	Angle rail complete	242 316		501	Cap screw M5x12	020 132
3	Pressure sleeve	220 911		502	Washer 5-200	020 880



## 6.4 Main take-down in the middle

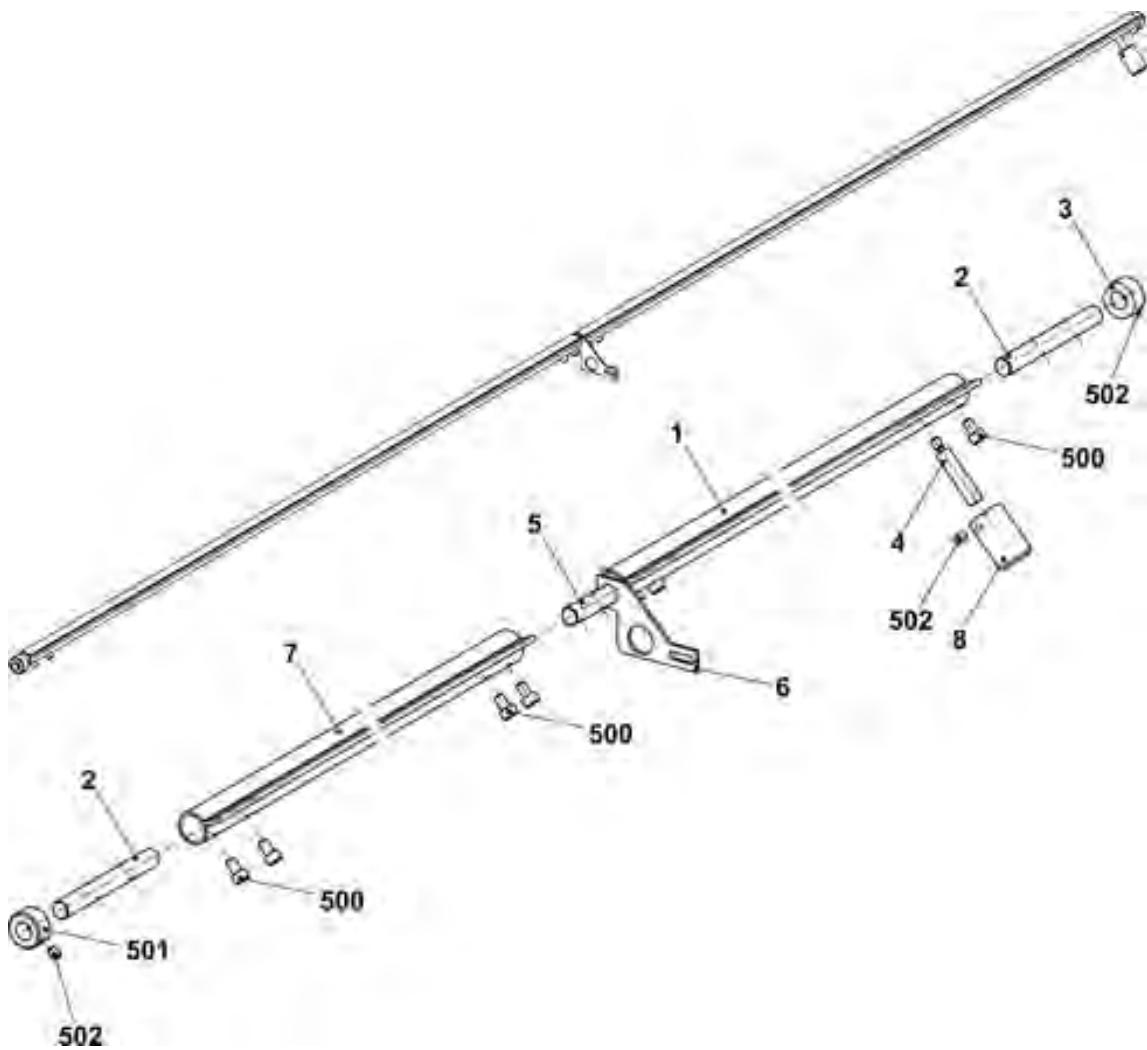
## 6.4.3 Front roller elements

Pos	Designation	ID	Pos	Designation	ID
<b>Σ</b>	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
2	Support	251 557	515	Spring dowel sleeve 4x20	023 551
3	Bearing support complete	221 241	7	Spacer pipe on the right	253 407
3a	Bearing support	220 913	8	Spacer pipe on the left	253 408
3b	Gear wheel	220 910	500	Circlip	021 025
531	Hexagon nut M5-8	023 541			
532	Cap screw M5x30	022 396			



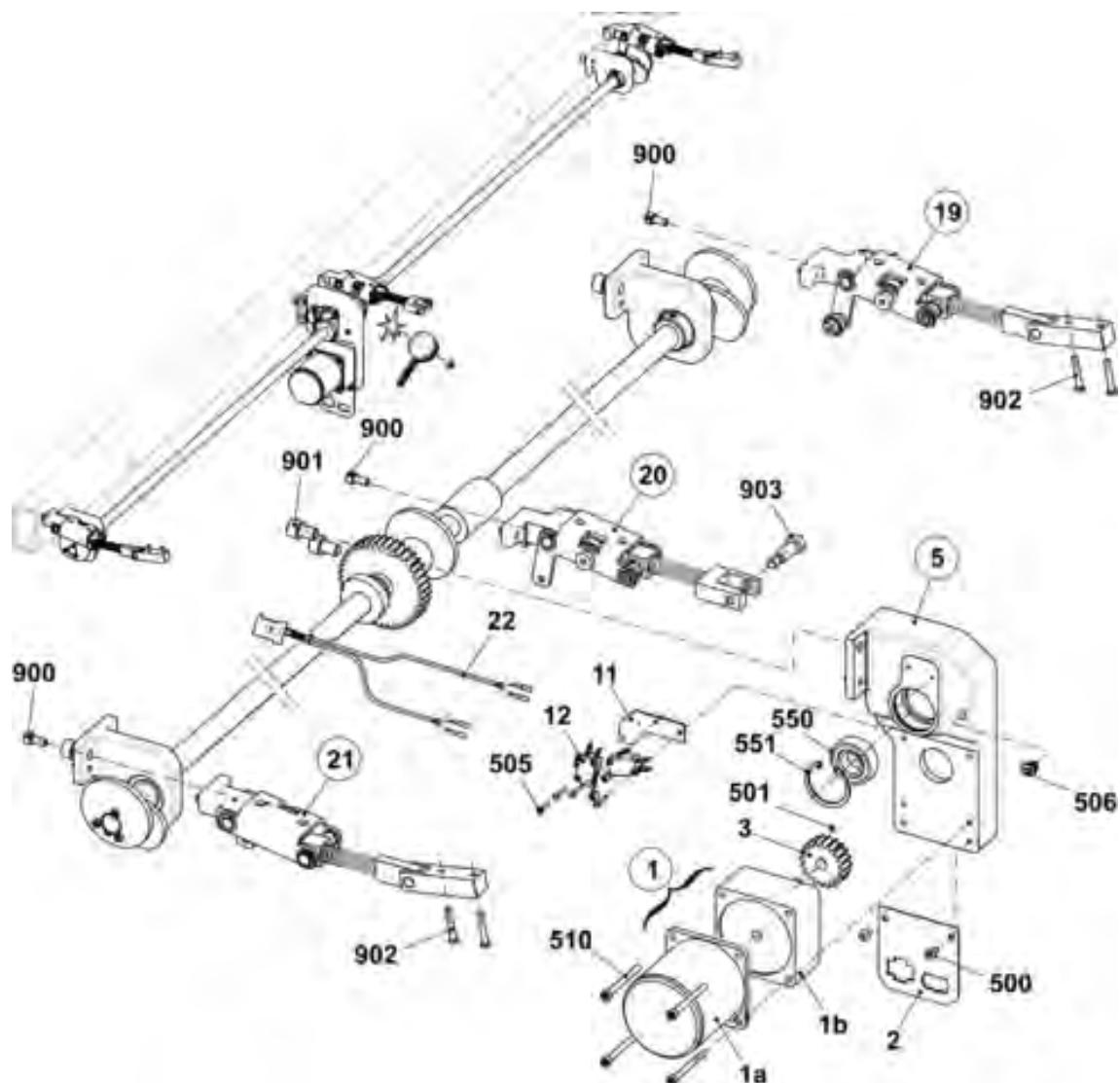
#### 6.4.4 Stripper angle

Pos	Designation	ID	Pos	Designation	ID	
$\Sigma$	Stripper angle at the rear complete	241 935	6	Bracket	235 731	
1	Stripper angle on the right	241 933		7	Stripper angle on the left	241 934
2	Shaft	240 127		8	Adjustment weight	229 248
3	Cam	209 278		500	Cap screw M5x8	023 319
4	Bolts	228 310		501	Set collar	020 934
5	Axle	228 803		502	Setscrew M5x6	022 738



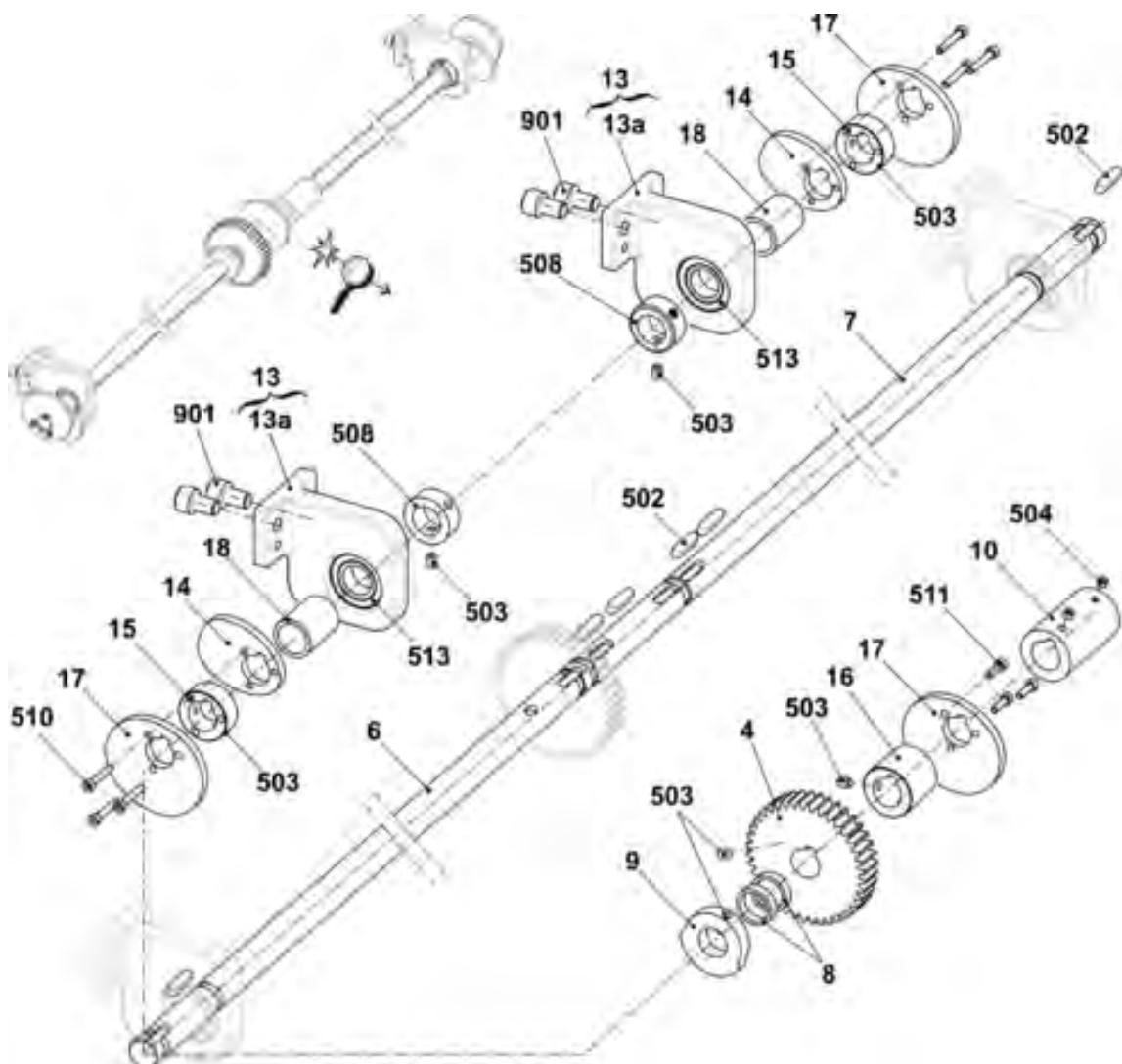
## 6.5 Take-down closing device

Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	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	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	Set screw 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 Deep groove ball bearing 6004-2Z	022 720	900	Cap screw M6x14	022 658
	551 Locking 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 screws M10x25	023 751



## 6.6 Continuation take-down closing device

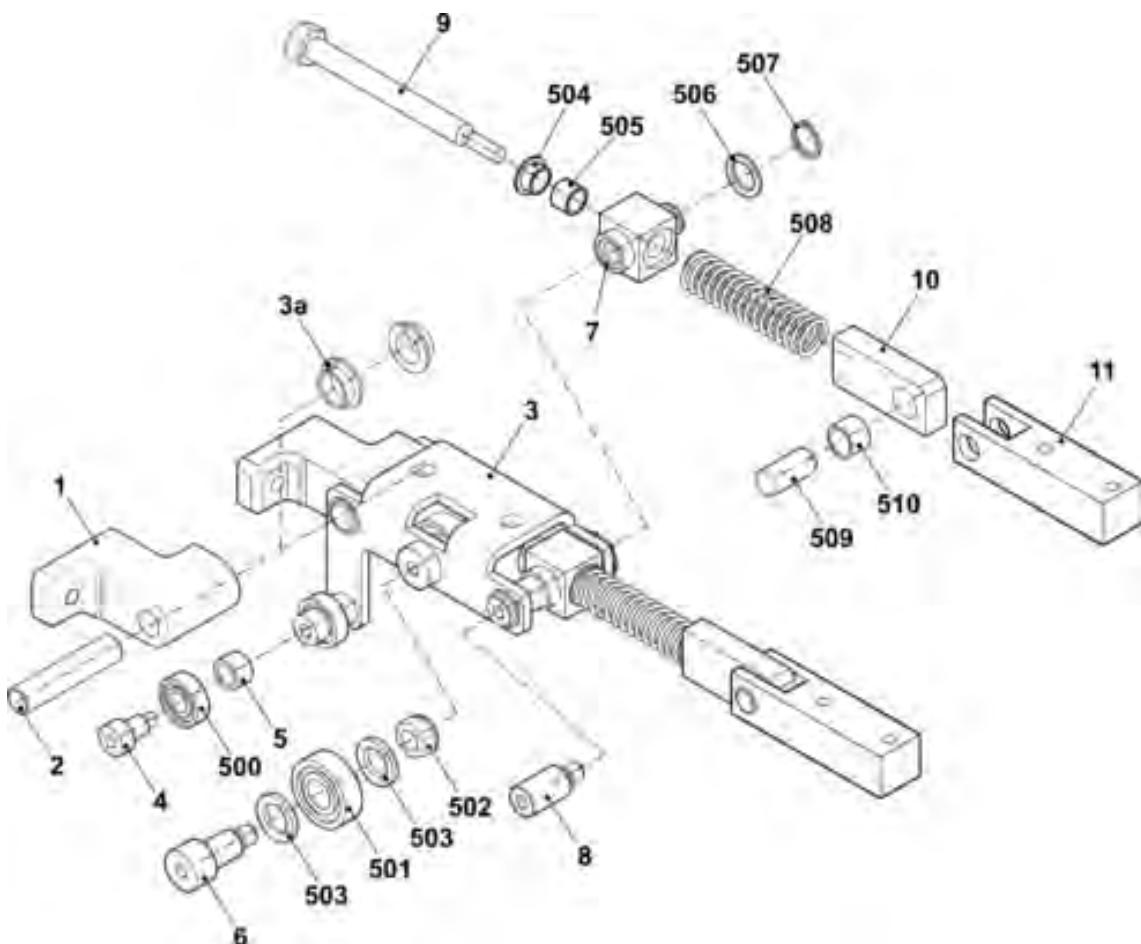
Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down on/off complete	253 387	15	Guide bush	234 876
4	Gear wheel	213 744	16	Guide bush	235 623
6	Shaft	237 180	17	Eccentric	232 382
7	Shaft	237 181	18	Distance pipe	235 128
8	Spacer	232 385	502	Feather key A 6x6x25	023 017
9	Trip cam	232 383	503	Set screw M6x8	023 723
10	Coupling	232 604	504	Set screw M6x5	023 192
13	Support on the outside complete	235 248	508	Set collar A20	020 938
13a	Support	234 780	510	Cap screw M4x25	023 302
513	Deep groove ball bearing 6004-2Z	022 720	511	Cap screw M4x14	023 604
14	Eccentric	235 135	901	Cap screw M10x16	023 895



## 6.6 Continuation take-down closing device

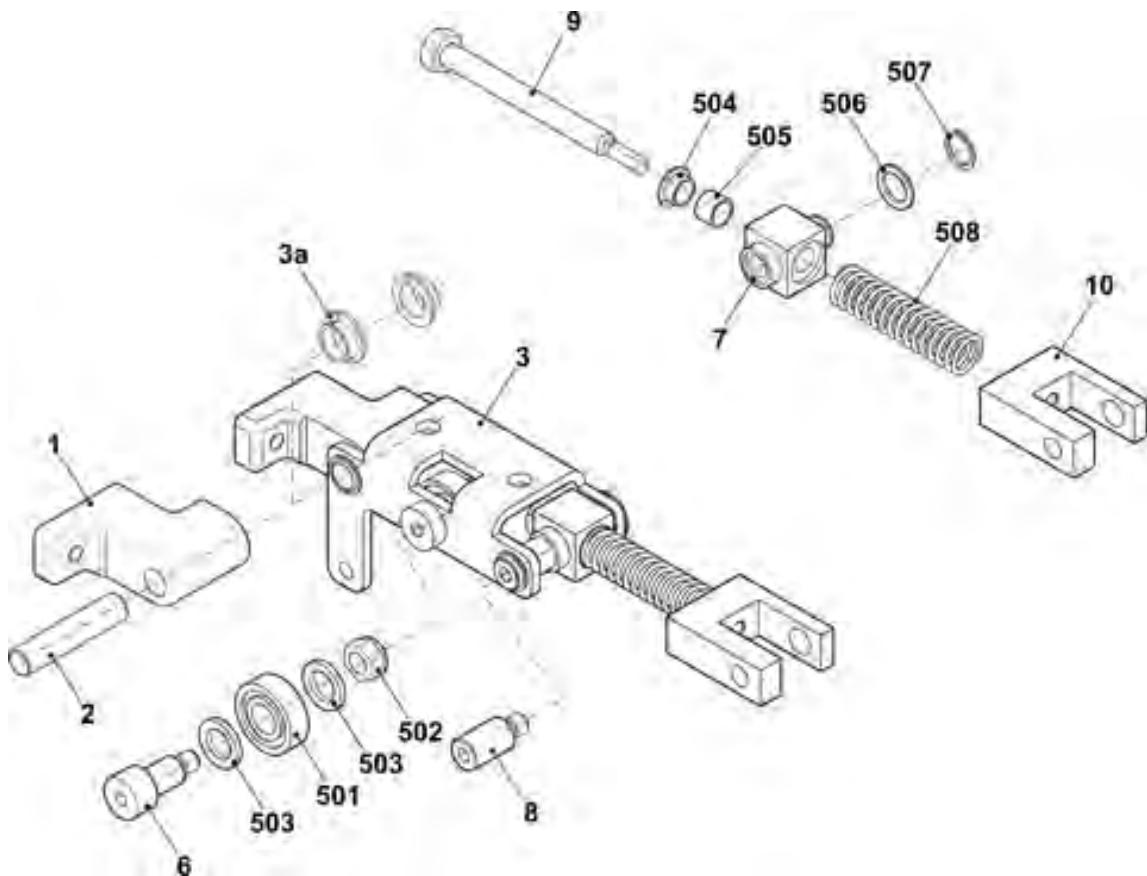
## 6.6.1 Right swivel support

Pos	Designation	Id	Pos	Designation	Id
<b>Σ</b>	<b>Swivel support on the right complete</b>		11	Lever	253 199
1	Support	239 163	500	Grooved ball bearing 619/8-2RS	023 728
2	Bearing pin	239 164	501	Deep groove ball bearing 6000-2Z	022 599
3	Bow	238 974	502	Hexagon nut M8-8	022 843
3a	Clip bearing 11-MCM-12-04	023 639	503	Adjusting washer 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	Locking 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

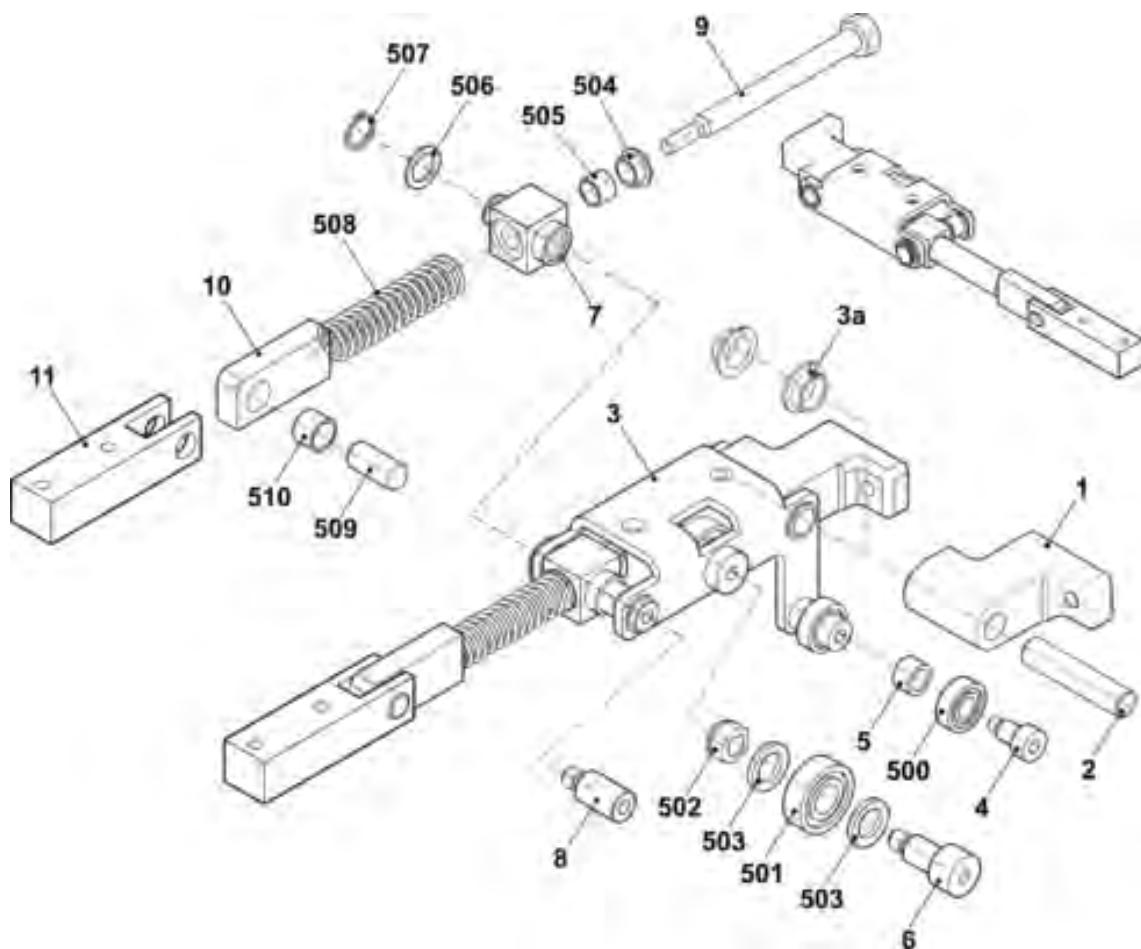
Pos	Designation	Id	Pos	Designation	Id
<b>Σ</b>	Swivel holder in the middle complete		10	Angle	238 778
1	Support	239 163	501	Deep groove ball bearing 6000-2Z	022 599
2	Bearing pin	239 164	502	Hexagon nut M8-8	022 843
3	Bow	238 974	503	Adjusting washer 10x16x2	023 600
3a	Clip bearing 11-MCM-12-04	023 639	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	Locking ring 12x1	020 951
9	Spring mandrel on the inside	232 388	508	Compression spring 2,5x12,5x67,5	023 743



## 6.6 Continuation take-down closing device

## 6.6.3 Left swivel holder

Pos	Designation	Id	Pos	Designation	Id
<b>Σ</b>	<b>Swivel holder on the left complete</b>		11	Lever	253 199
1	Support	239 163	500	Grooved ball bearing 619/8-2RS	023 728
2	Bearing pin	239 164	501	Deep groove 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	023 639	503	Adjusting washer 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	Locking 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

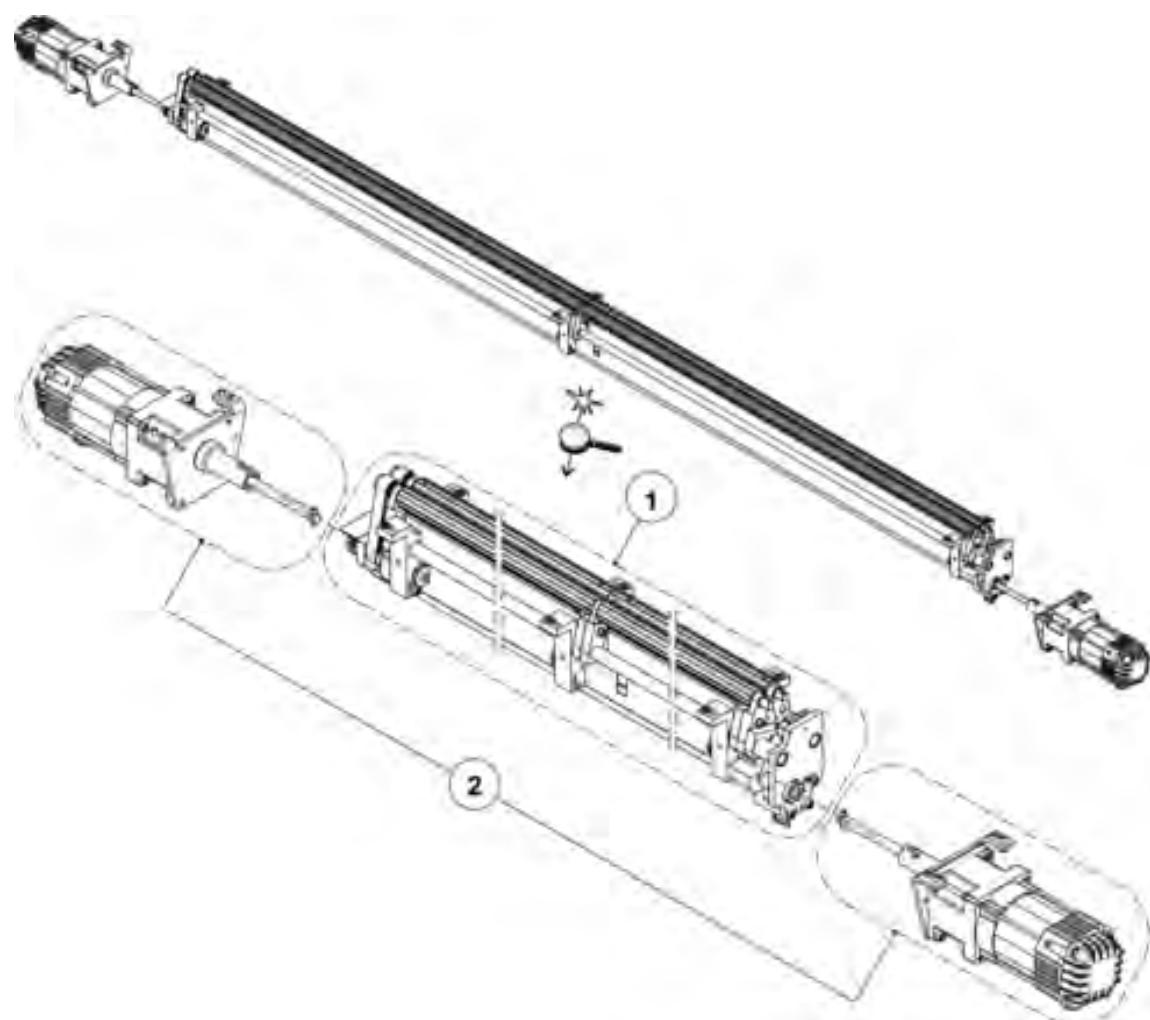


## 7 Auxiliary take-down



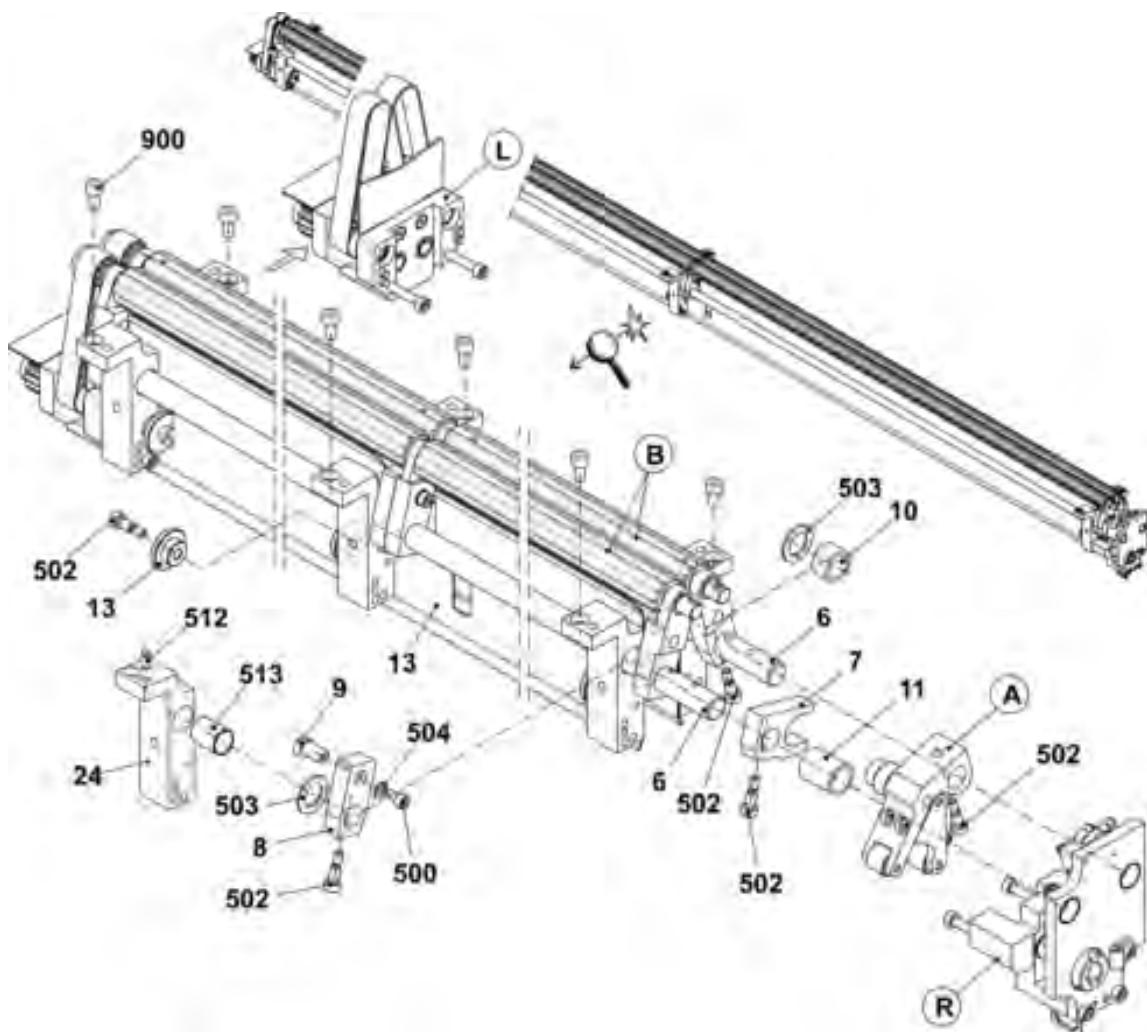
## 7.1 Auxiliary take-down

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	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

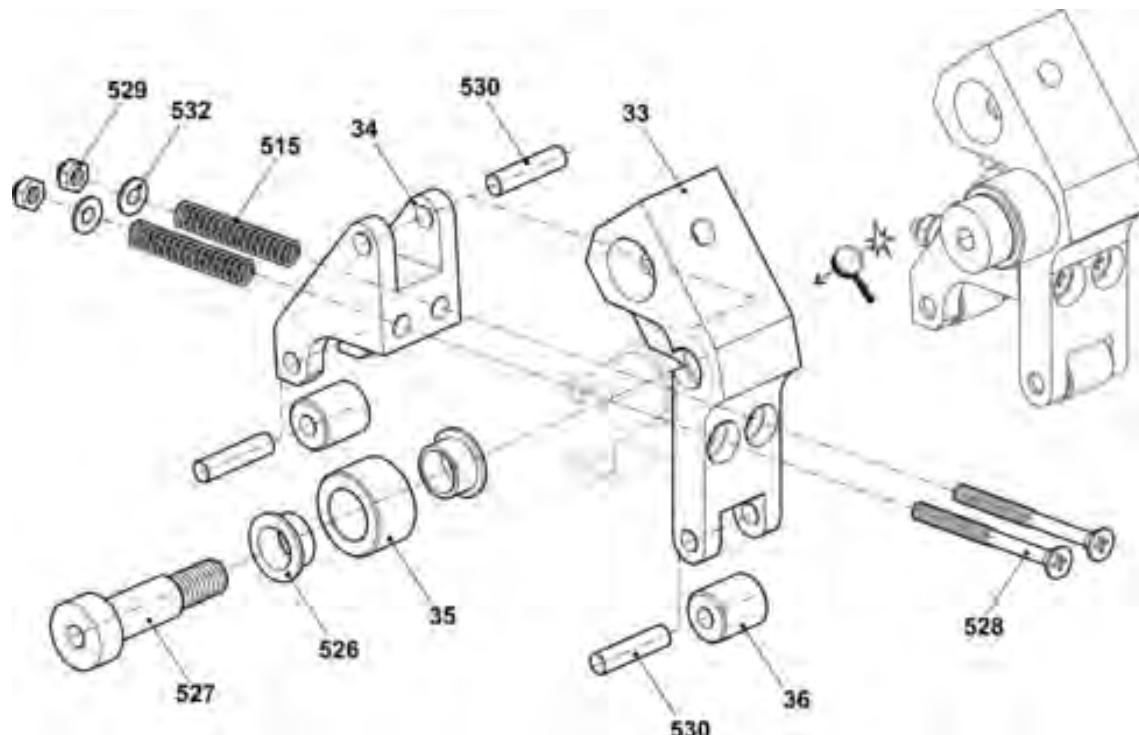
Pos	Designation	ID		Pos	Designation	ID
<b>Σ</b>	Auxiliary take-down pre-assembled	254 974				
6	Contact shaft	237 126		B	Take-down roller	237 128
7	Lever	235 164		L	Bearing on the left	236 894
8	Clamping lever	235 156		R	Bearing on the right	235 353
9	Eccentric	236 952		500	Cap screw M5x10	022 918
10	Distance pipe	235 189		502	Cap screw 6x10	235 448
11	Distance pipe	235 192		503	Stop disc GTM-1524-015	235 447
12	Cover plate	237 127		504	Disc 5	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

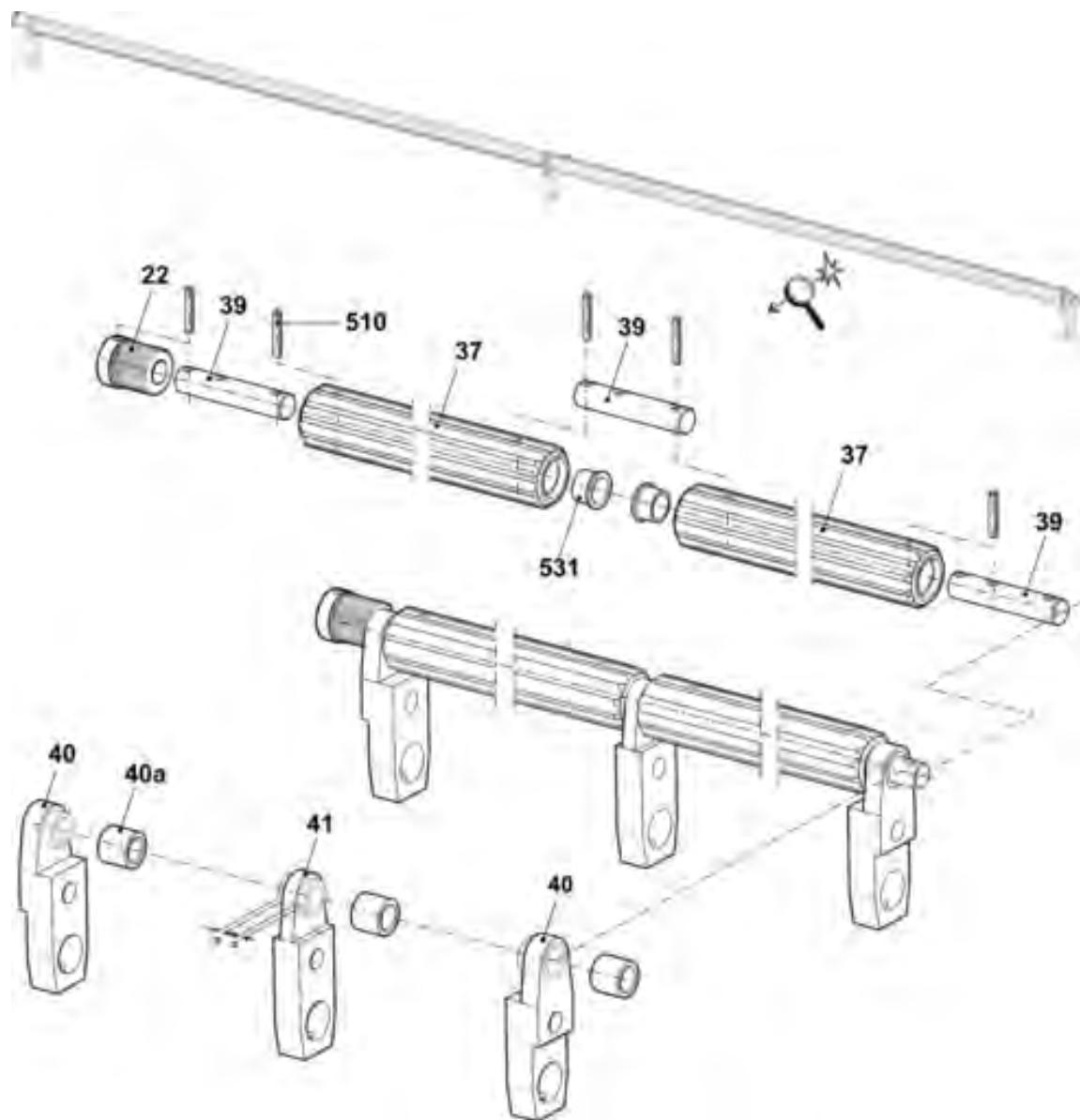
## 7.1.1.1 Contact lever

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	U-washer 4	020 870



## 7.1.1.2 Take-down roller

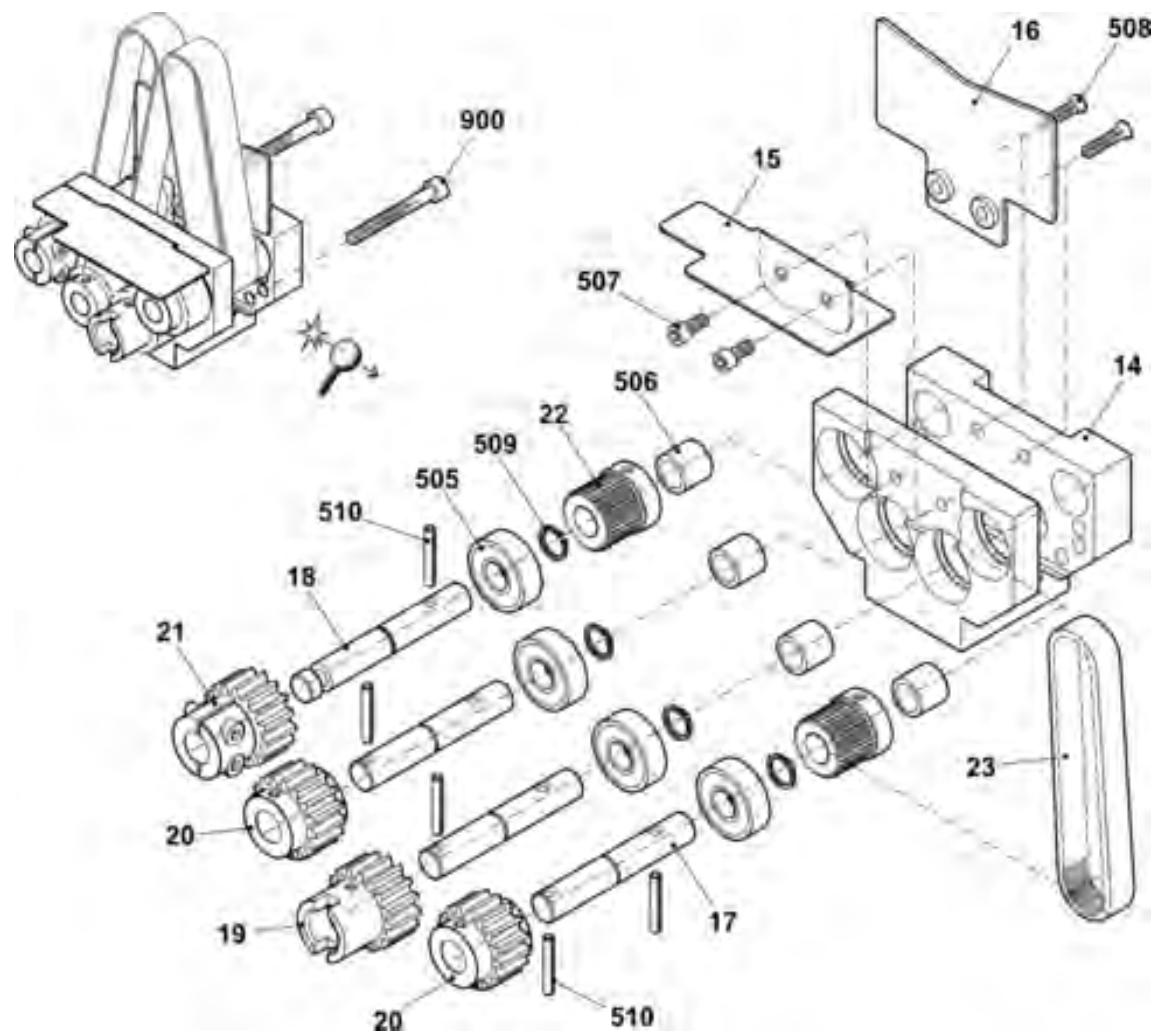
Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Take-down roller	237 128				
22	Timing belt pulley	237 043		40a	Needle roller bearing 10x14x12	023 665
37	Take-down roller	237 125		41	Lever bearing in the middle complete	235 359
39	Bolt	236 973		531	Slide bearing GFM-101214-07	023 627
40	Lever bearing on the right/left complete	235 358		510	Spring dowel sleeve 3x18	237 059



## 7.1 Auxiliary take-down

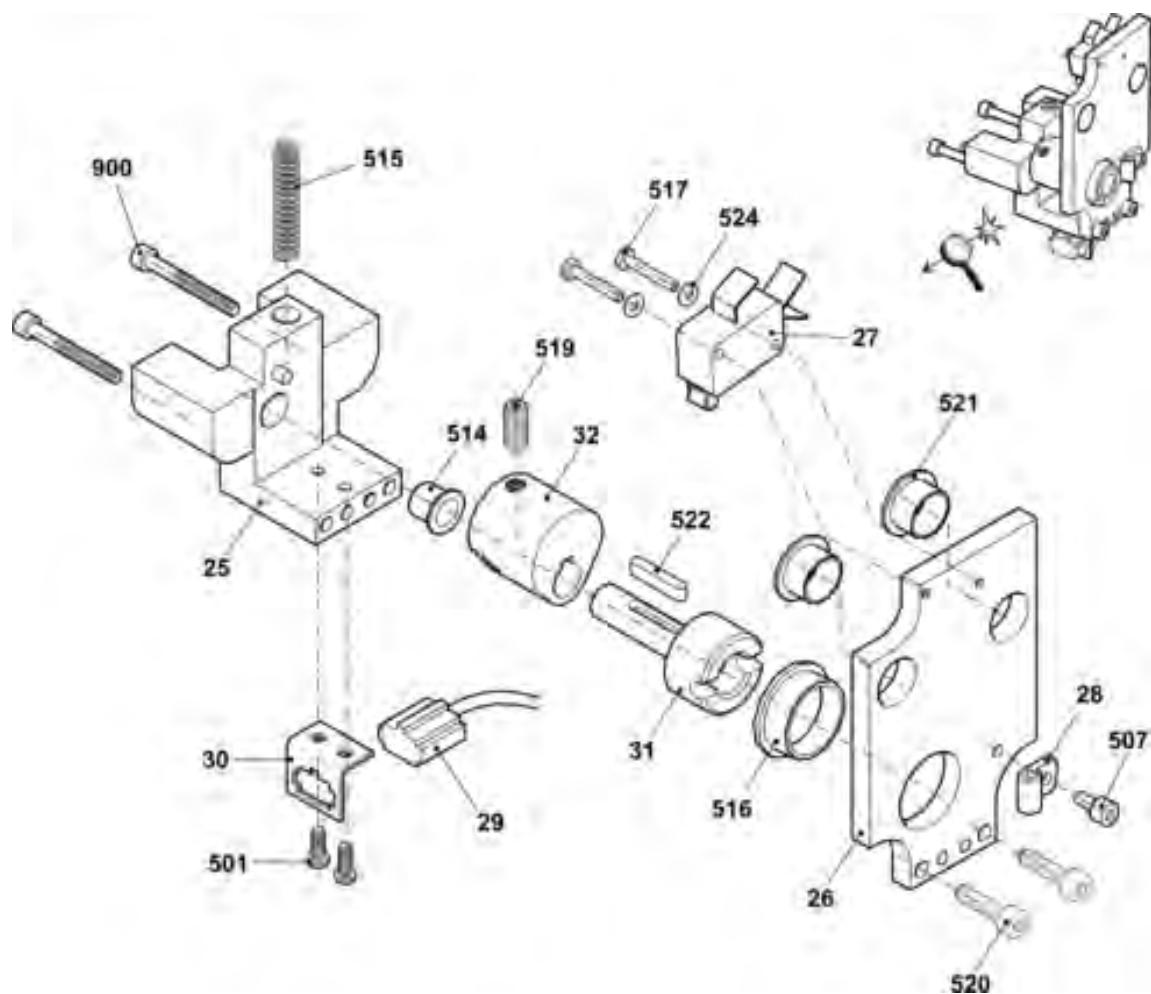
## 7.1.1.3 Left bearing of the auxiliary take-down

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Bearing on the left	236 894		22	Timing belt pulley	237 043
14	Drive bearing	237 422		23	Toothed belt HPS5M NG CLEAN	237 118
15	Cover plate	236 970		505	Deep groove ball bearing 61900-2RS1	023 714
16	Cover plate	237 037		506	Needle roller bearing 10x14x10	023 664
17	Bolt	236 964		507	Cap screw M4x8	022 501
18	Bolt	236 963		508	Countersunk screw M4x12	023 062
19	Gear wheel	236 914		509	Locking ring 10x1	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

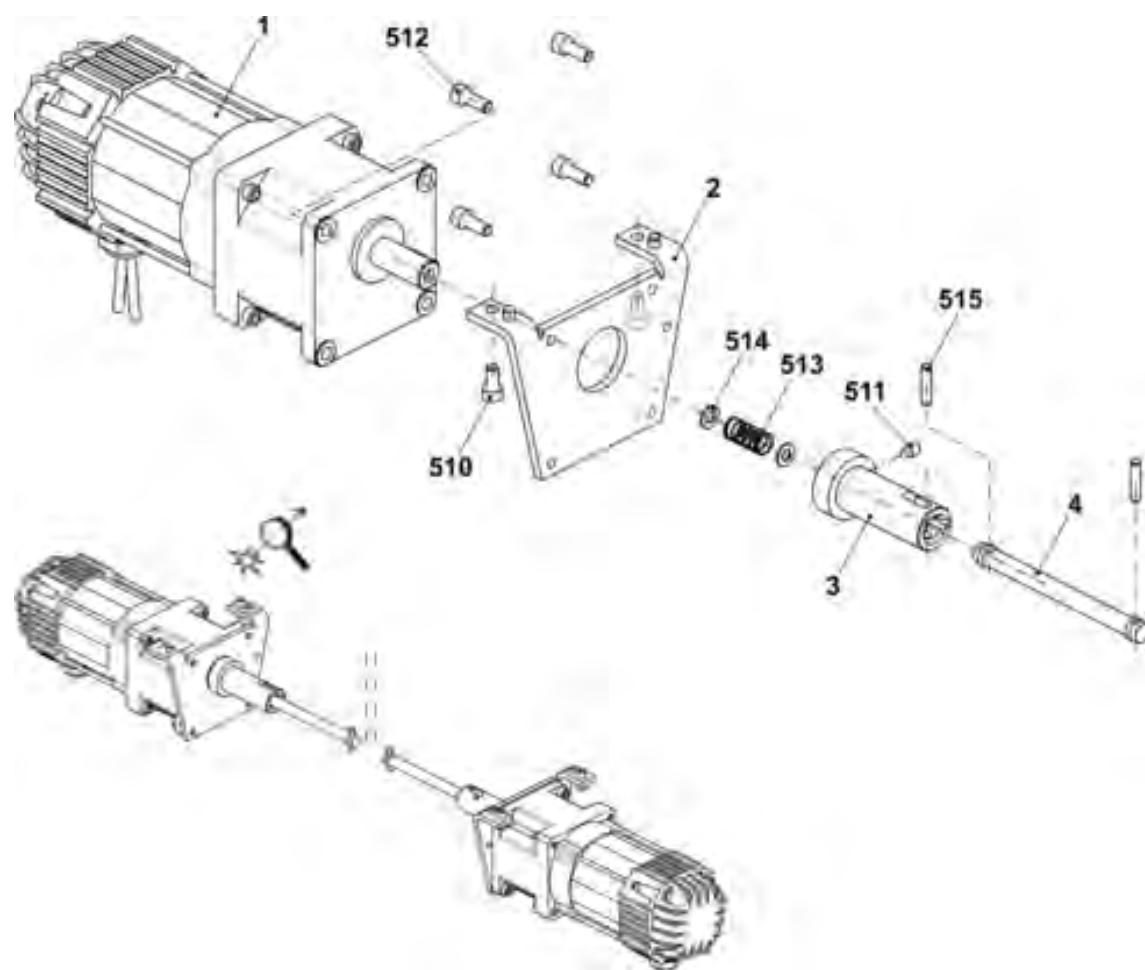
Pos	Designation	ID	Pos	Designation	ID
$\Sigma$	Bearing on the right	235 353			
25	Bearing on the right	237 520	514	Slide bearing GFM-101216-09	023 356
26	Plate	235 168	515	Compression spring 1.6x6.4x27.1	023 288
27	Microswitch	026 259	516	Slide bearing GFM-2427-07	023 712
28	Cable clip N-3B 5 mm	210 729	517	Hexagon screw M3x16	237 058
29	Cable switch HIAB ST468	235 027	519	Set screw M6x12	023 724
30	Sheet metal for plug	236 068	520	Cap screw M5x16	022 726
31	Shaft	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	U-washer 3	020 877
507	Cap screw M4x8	022 501	900	Cap screw M5x35	022 879



## 7.1 Auxiliary take-down

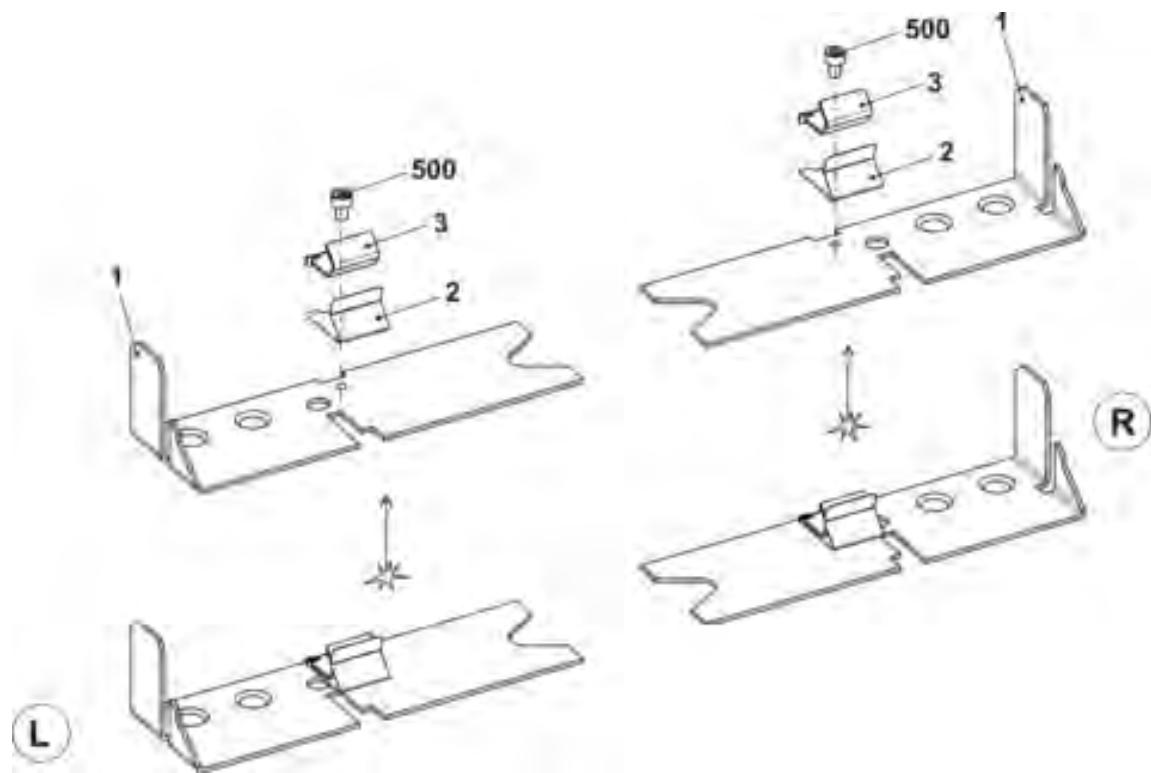
## 7.1.2 Motor

Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Motor with 2 phases auxiliary take-down complete				
1	Motor 1.8NM 30MIN-1	234 805	511	Set screw 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	Shaft	235 300	514	Adjusting washer 6x12x1	023 444
510	Cap screw M6x12	020 134	515	Dowel pin 5x22-A-ST	023 716



## 7.2 Yarn brake at clamping/cutting bed

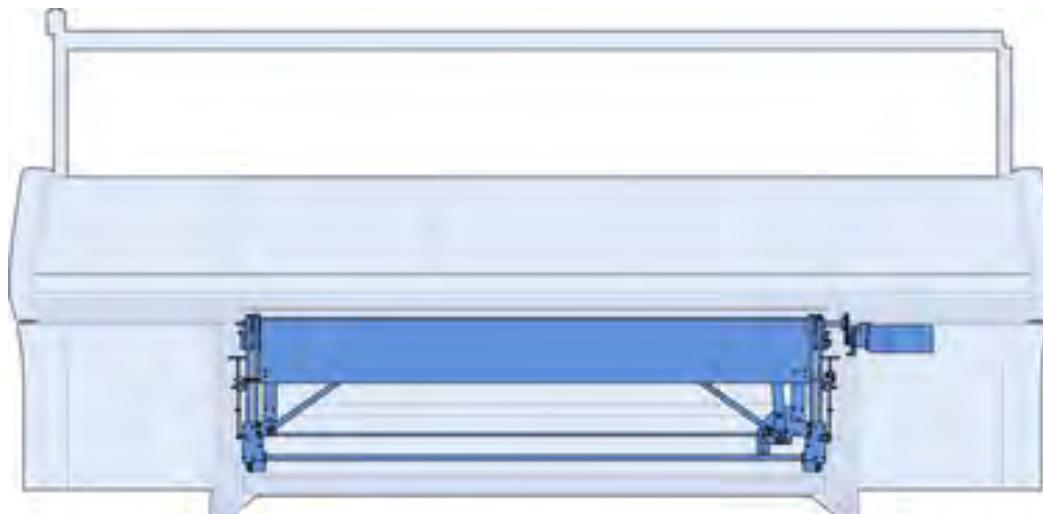
Pos	Designation	Id	Pos	Designation	Id
$\Sigma L$	Yarn brake on the left	257 794	$\Sigma R$	Yarn brake on the right	257 793
1	Cover on the left	257 792		Cover on the right	257 791
2	Leaf spring	256 712		Leaf spring	256 712
3	Test clamping plate	256 713		Test clamping plate	256 713
500	Cap screw M4X6	023 067		Cap screw M4X6	023 067



7.2 Yarn brake at clamping/cutting bed

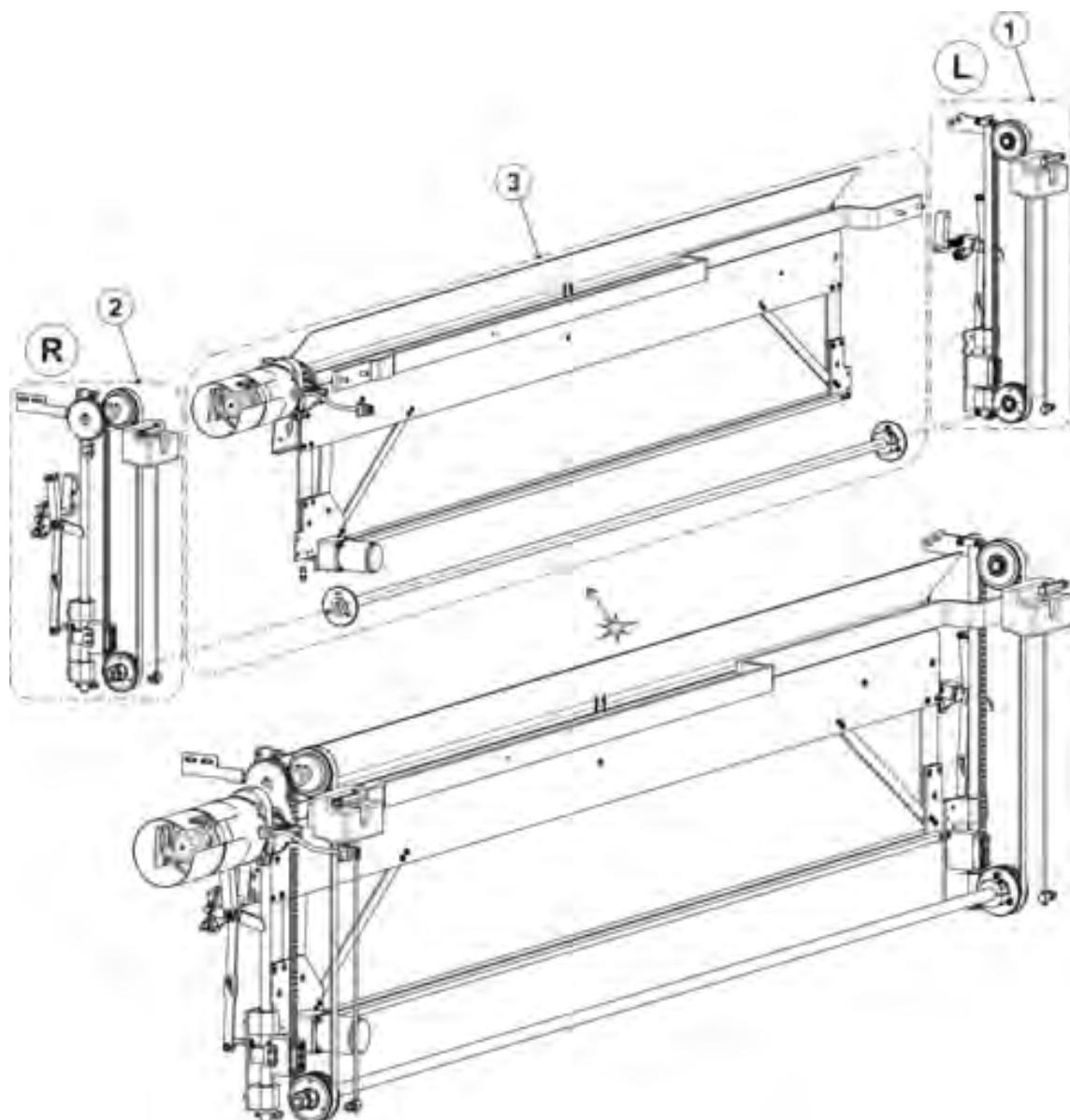
Notes:

## 8 Comb take-down



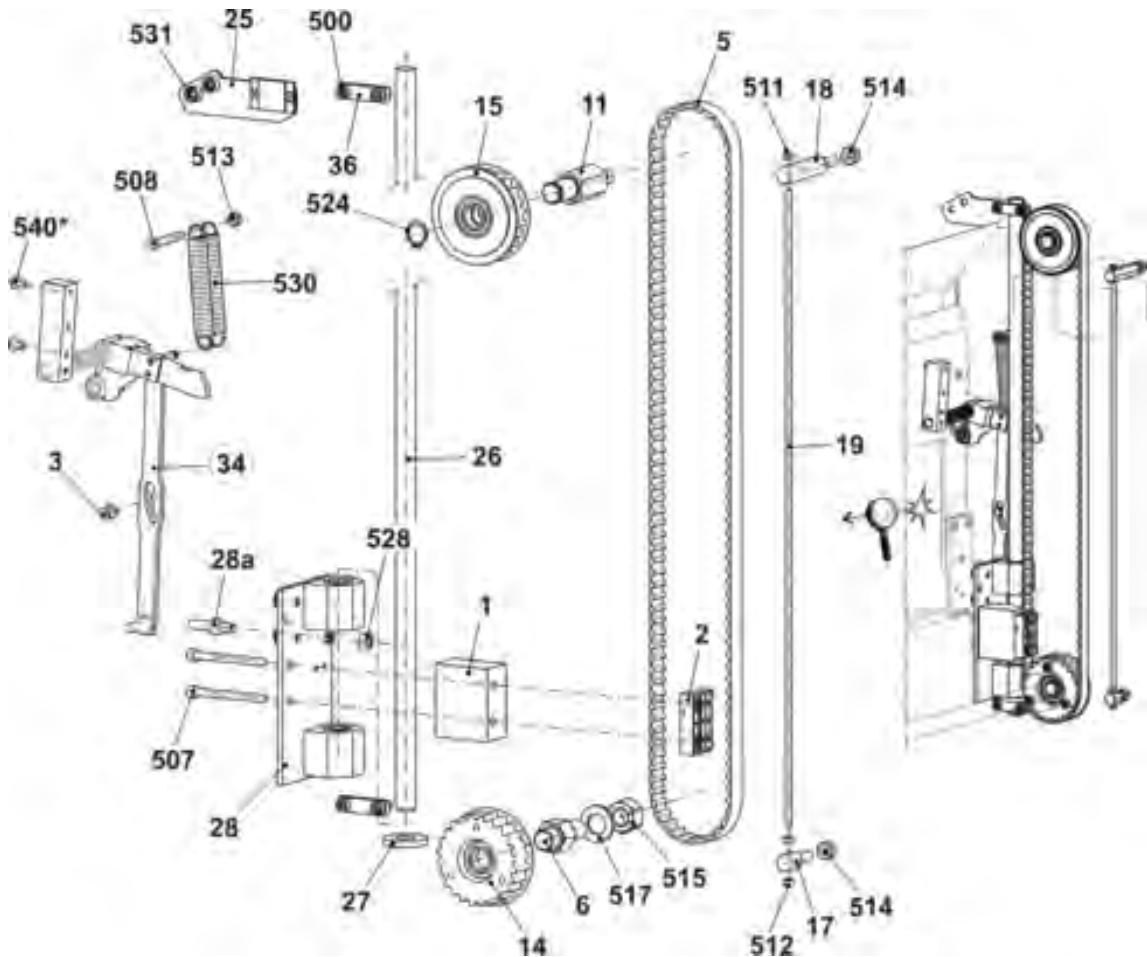
## 8.1 Comb take-down

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	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

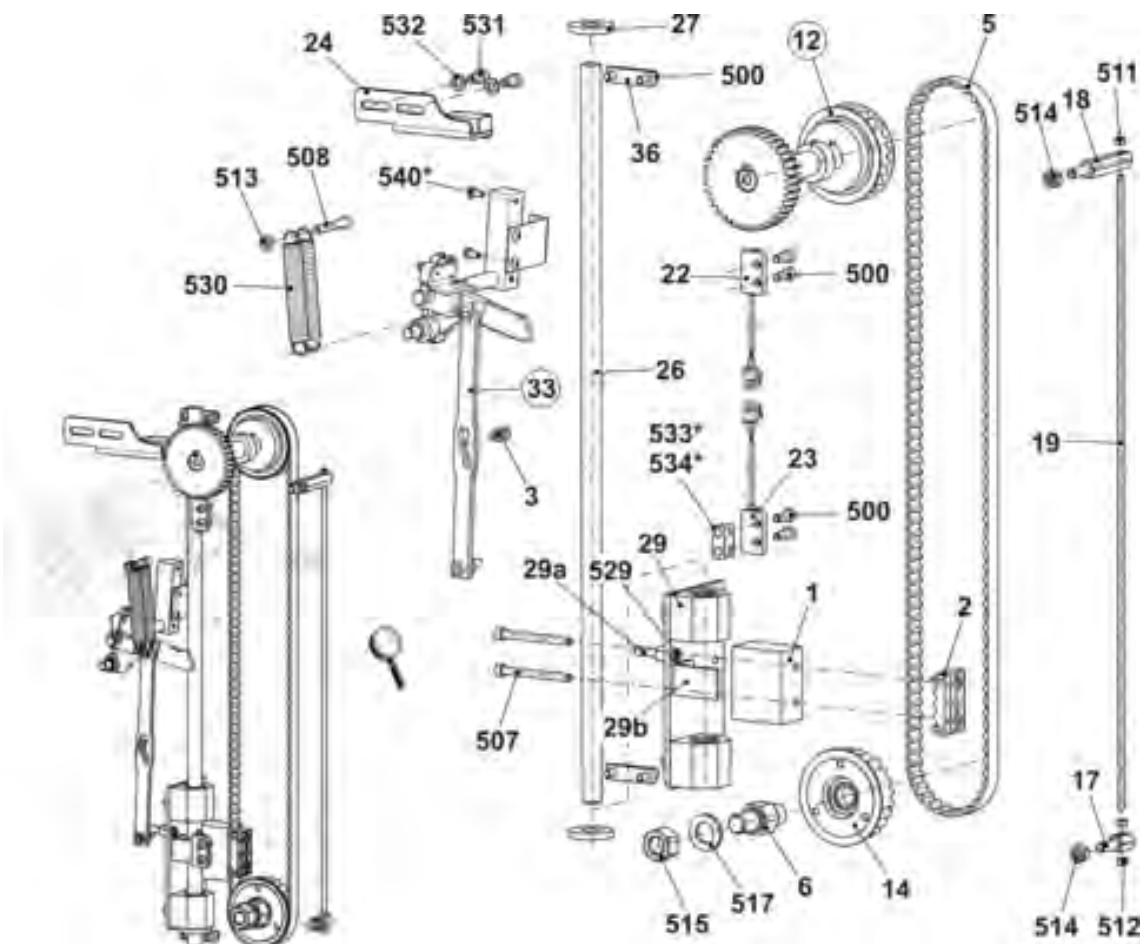
Pos	Designation	Id	Pos	Designation	Id
<b>Σ</b>	Comb take-down on the left	256 838			
1	Clamping piece	209 379	528	Hexagon nut M8-6	020 838
2	Pressure plate	241 967	34	Swivel lever on the left	252 859
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
11	Bolts	207 689	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
15	Toothed lock washer at the top complete	211 823	512	Hexagon nut M5-6	020 835
17	Stay bolt	222 315	513	Hexagon nut M6-6	020 836
18	Stay bolt	240 056	514	Hexagon nut M8-6	020 838
19	Threaded rod M5	240 057	515	Hexagon nut M16-6	020 845
25	Reflector complete	256 826	517	Washer 16	020 876
26	Guide bar C35	206 560	524	Locking ring 17x1	023 299
27	Rubber buffer	206 561	530	Tension spring Din 2097 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

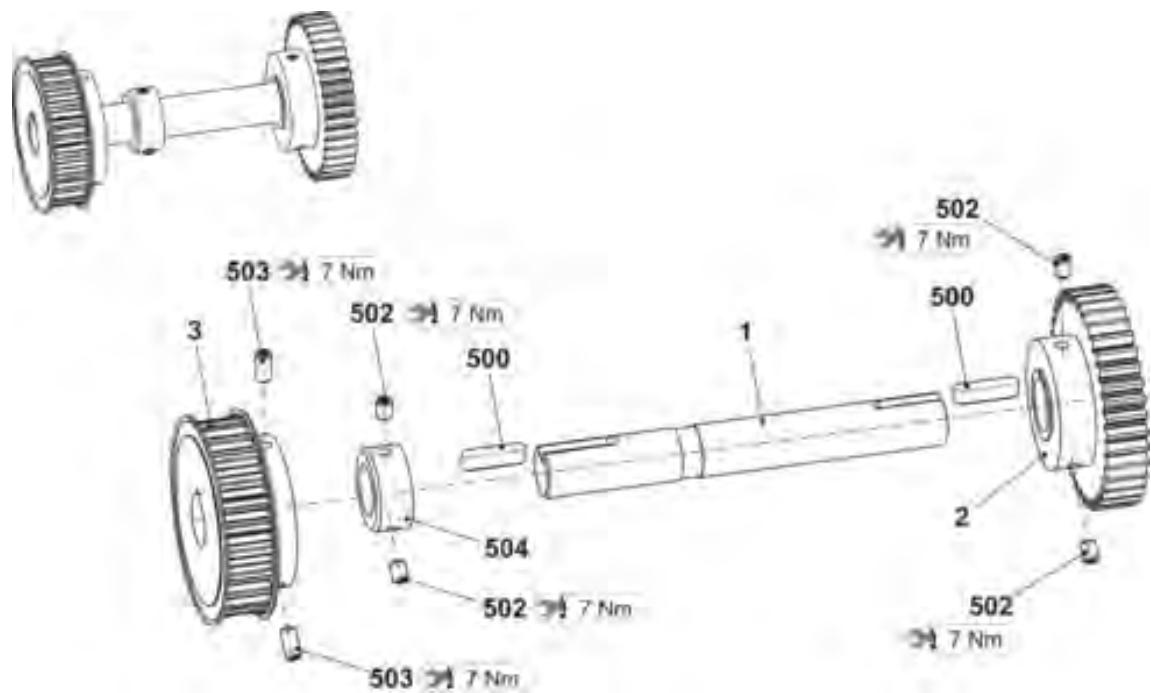
## 8.1.2 Comb take-down on the right

Pos	Designation	Id		Pos	Designation	Id
<b>Σ</b>	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 belt 16T10/1300	240 065		500	Cap screw M6x16	020 135
6	Eccentric pin	222 320		507	Cap screw M6x65	240 162
12	Drive shaft comb complete	214 583		508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822		511	Hexagon nut M5-8	023 541
17	Stay bolt	222 315		512	Hexagon nut M5-6	020 835
18	Stay bolt	240 056		513	Hexagon nut M6-6	020 836
19	Threaded rod M5	240 057		514	Hexagon nut M8-6	020 838
22	Proximity switch inductive at the top	231 516		515	Hexagon nut M16-6	020 845
23	Proximity switch inductive at the bottom	231 520		517	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*	Shim 0,2x12x27	023 735
29a	Driving bolt	255 427		534*	Shim 0,5x12x27	023 736
29b	Angle	240 112		540*	Pan-head screw M5x10	023 247



## 8.1.2.1 Drive shaft of comb

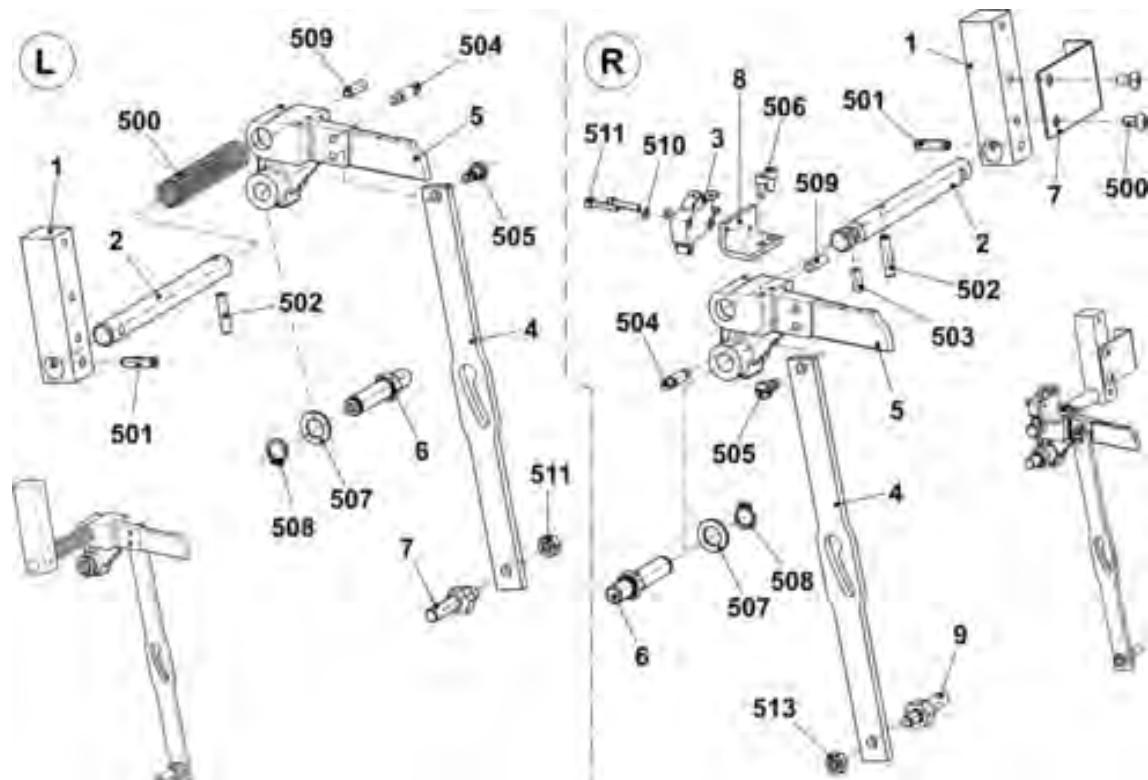
Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Drive shaft comb complete	214 583		500	Feather key A 6x6x25	023 017
1	Shaft	213 969		502	Setscrew M6x8	022 684
2	Gear wheel Z=40, M=2	213 744		503	Setscrew M6x12	023 898
	Always order position 502 additionally			504	Set collar	020 938
3	Toothed belt pulley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



## 8.1 Comb take-down

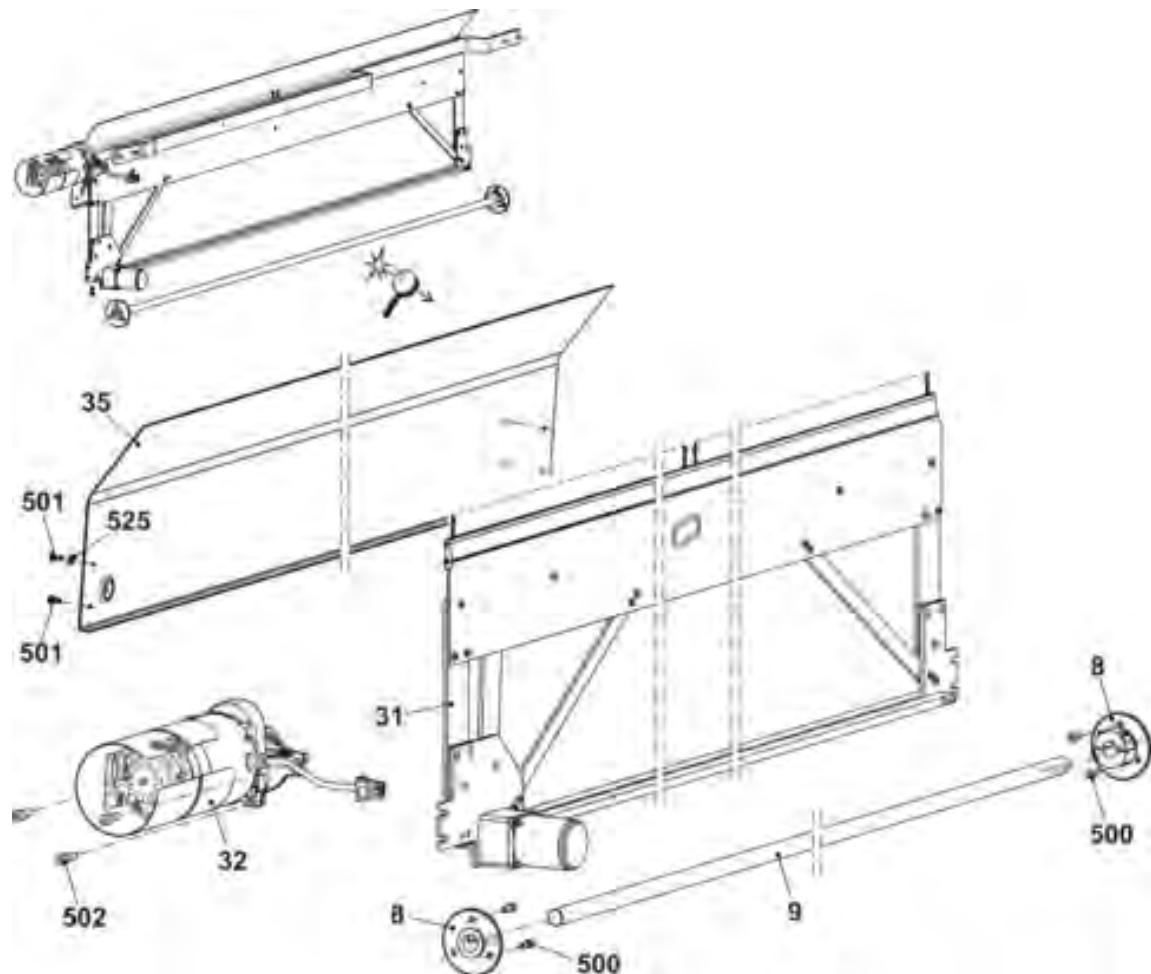
## 8.1.2.2 Swivel lever comb take-down

Pos	Designation	Id		Pos	Designation	Id
$\Sigma L$	Swivel lever on the left	252 859		$\Sigma R$	Swivel lever on the right	252 858
1	Support	252 780		1	Support	252 780
2	Shaft	223 994		2	Shaft	238 339
4	Plunger	255 650		3	Microswitch	026 259
5	Swivel lever	239 248		4	Plunger	255 650
6	Bolt	214 053		5	Swivel lever	239 248
7	Eccentric bolt	255 651		6	Bolt	214 053
500	Compression spring 1,4x13,6x93	023 572		7	Angle	224 009
501	Spring dowel sleeve Iso8752-5x20	020 794		8	Angle	238 304
502	Dowel pin 5x22	023 716		9	Eccentric bolt	255 651
504	Shoulder screw M5x29x35	251 618		500	Pan-head screw M5x10	023 247
505	Shoulder screw M5x5,8x6,2	023 365		501	Spring dowel sleeve 5x20	020 794
507	Washer10	020 884		502	Dowel pin 5x22	023 716
508	Locking ring	020 950		503	Spring dowel sleeve 5x12	020 793
509	Shoulder screw M5x12x18	020 539		504	Shoulder screw M5x29x35	251 618
511	Hexagon nut M8-6	020 838		505	Shoulder screw M5X5,8X6,2	023 365
				506	Cap screw M4x8	022 501
				507	Washer10	020 884
				508	Locking ring 10x1	020 950
				509	Shoulder screw M5X12X18	020 539
				510	Cap screw M3x16	022 583
				511	Washer3	020 877
				513	Hexagon nut M8-6	020 838



## 8.1.3 Comb take-down in the middle

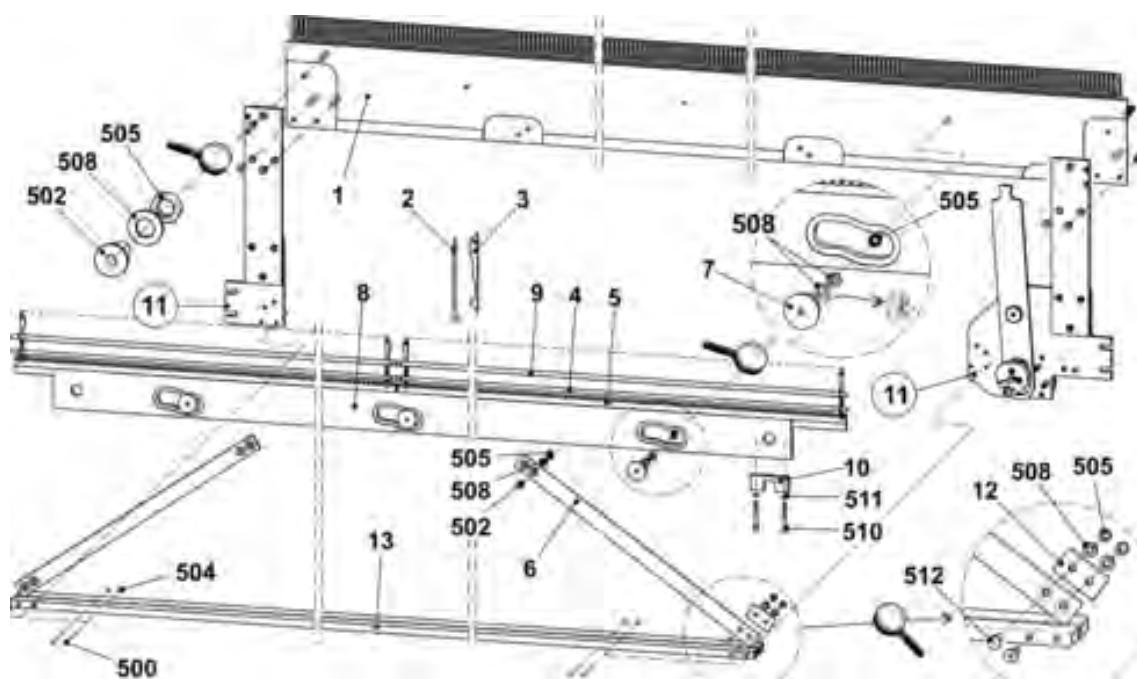
Pos	Designation	ID	Pos	Designation	ID
<b>Σ</b>	Comb take-down in the middle		31	Comb unit	
	E5   E5m.4   E2,5.2	255 268		E5   E5m.4   E2,5.2	242 256
	E7   E7m.5   E7m.8   E3,5.2	255 269		E7   E7m.5   E7m.8   E3,5.2	242 257
	E8   E8m.7	255 270		E8   E8m.7	242 258
	E5.2	255 271		E5.2	242 259
8	Flange	207 695	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

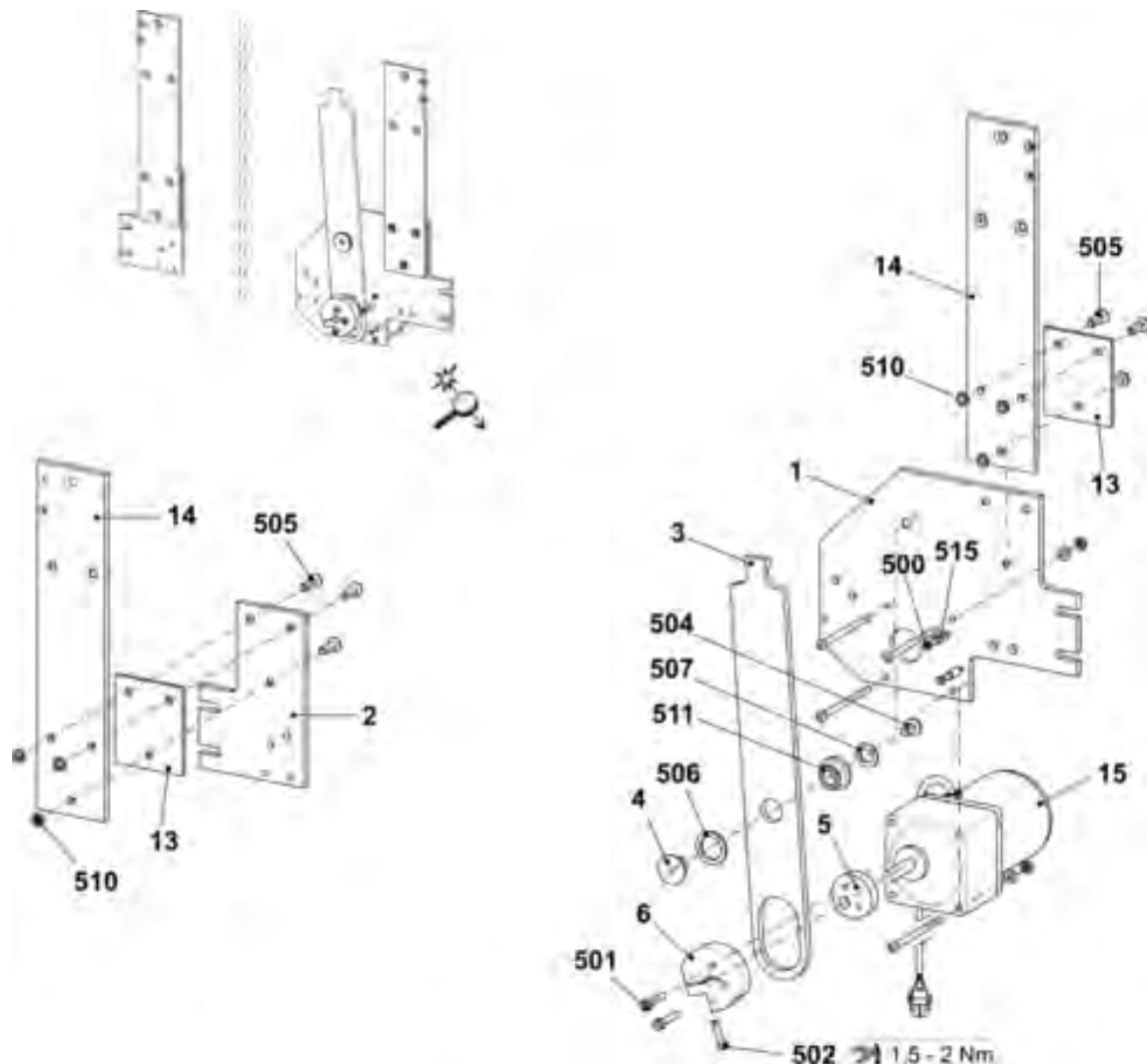
## 8.1.3.1 Comb unit

Pos	Designation	Id		Pos	Designation	Id
<b>Σ</b>	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	Switch 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	U-washer 5-200	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 Switch lever comb take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Switch lever complete	235 690	500	Cap screw M3x25	023 093
1	Screwing plate on the right	232 968	501	Cap screw M4x20	023 171
2	Screwing plate on the left	240 059	502	Cap screw M4x16	023 123
3	Lever	215 228	504	Countersunk screw M6x12	023 435
4	Bearing bolt	215 675	505	Countersunk screw M5x16	023 417
5	Eccentric	205 681	506	Adjusting washer 16x22x2	023 449
6	Tension lifter	215 287	507	Shim ring 4x8x1	023 260
13	Intermediate plate	213 980	510	Hexagon nut M5	020 854
14	Retaining plate	218 977	511	Collar bearing 10x16x22	022 841
15	Motor comb hook with 2 phases	244 635	515	Threaded spacer	210 488



8.1 Comb take-down

Notes:

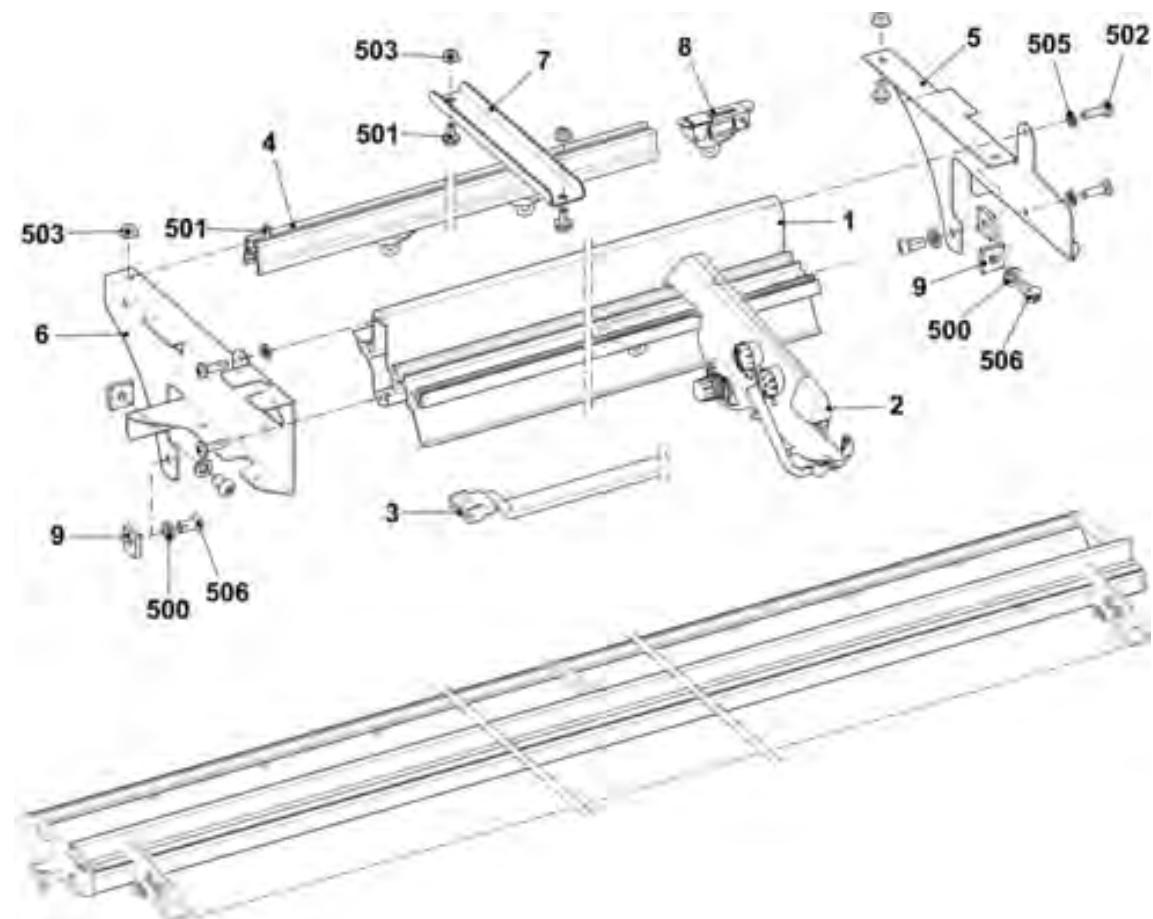
## 9 Yarn delivery device



## 9.1 Yarn guide system with 26 FKE

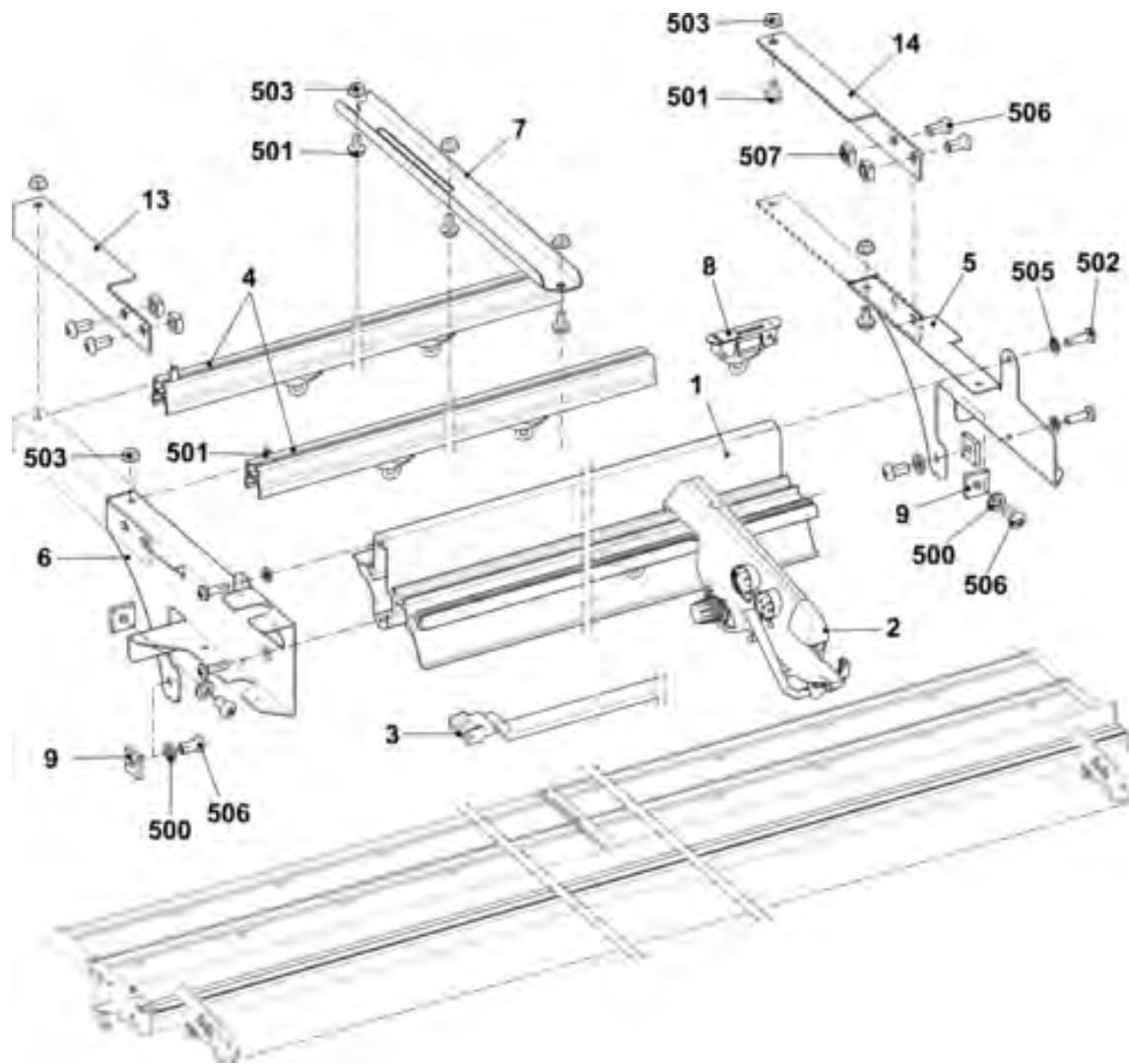
## 9.1 Yarn guide system with 26 FKE

Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Yarn guide system 26 FKE	242 269		8	Yarn guide bracket complete	241 581
1	Support	243 112		9	Sliding block	228 851
2	Yarn control device (FKE)	237 124		500	Serrated lock washer	023 388
3	Connection cable FKE-3	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	Ribbed lock washer M6-10	023 414
6	Support on the left	243 600		505	U-washer 6-200	022 431
7	Support	243 792		506	Pan-head screw M4x25	023 113



## 9.2 Yarn guide system with 32 FKE

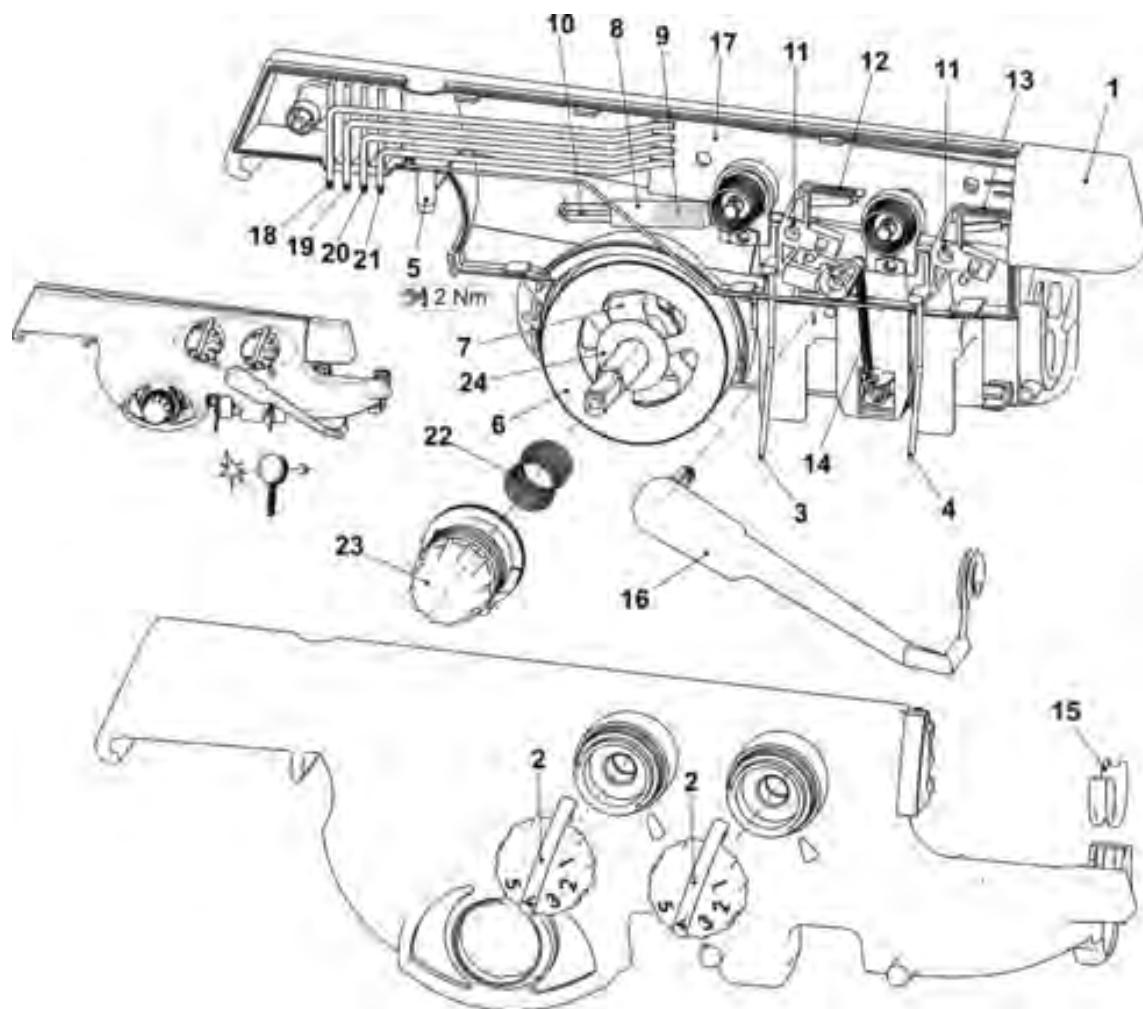
Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide system 32 FKE 84"	242 991			
1	Support	243 112	13	Support on the left	243 602
2	Yarn control device (FKE)	237 124	14	Support on the right	243 603
3	Connection cable FKE-3 84"	240 349	500	Serrated lock washer	023 388
4	Yarn guide bar	236 932	501	Self-locking screw M6x12	023 415
5	Support on the right	243 601	502	Screw M6x20	023 721
6	Support on the left	243 600	503	Ribbed safety nut M6-10	023 414
7	Support	239 295	505	U-washer 6	022 431
8	Yarn guide bracket complete	241 581	506	Countersunk screw M8x16	023 113
9	Sliding block	228 851	507	Square nut M8	023 269



## 9.3 Yarn control unit

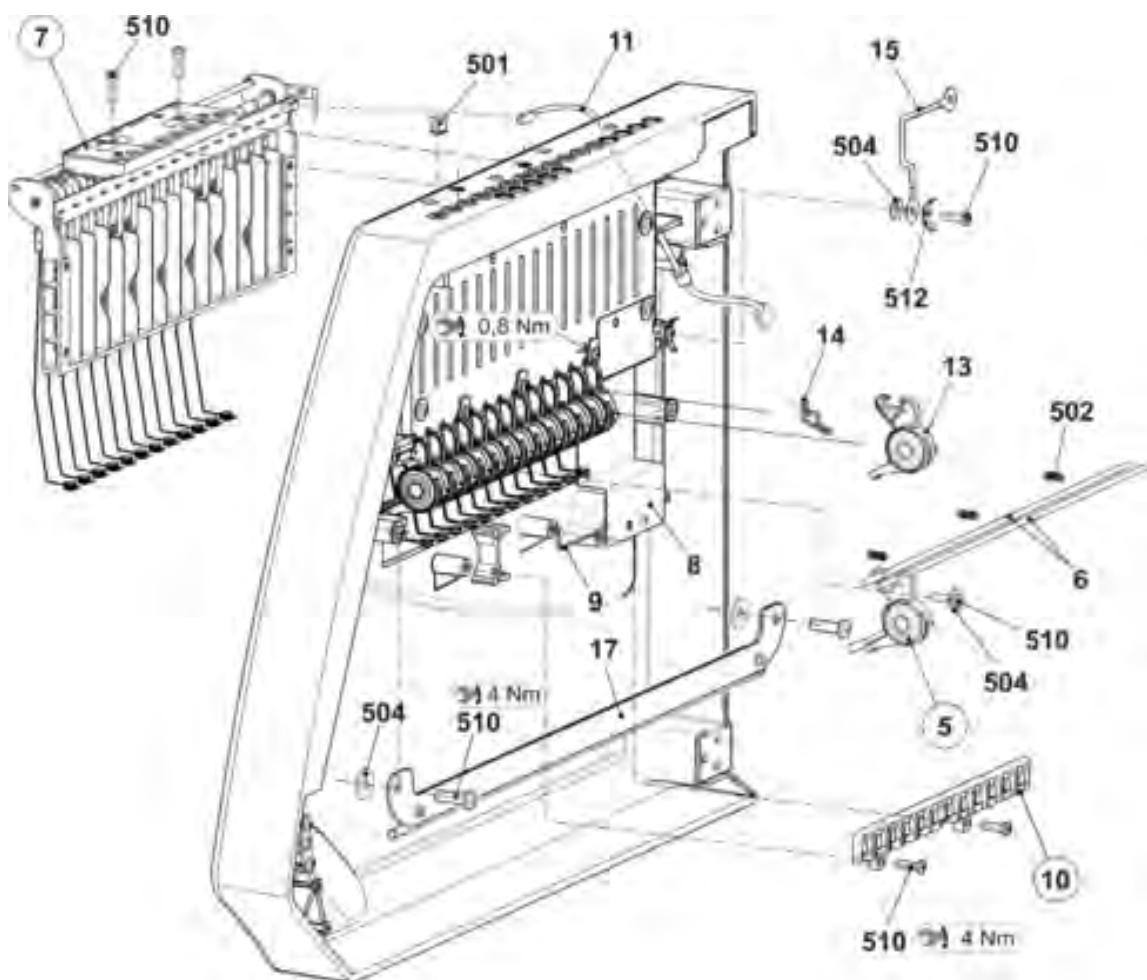
## 9.3 Yarn control unit

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



## 9.4 Left yarn guide

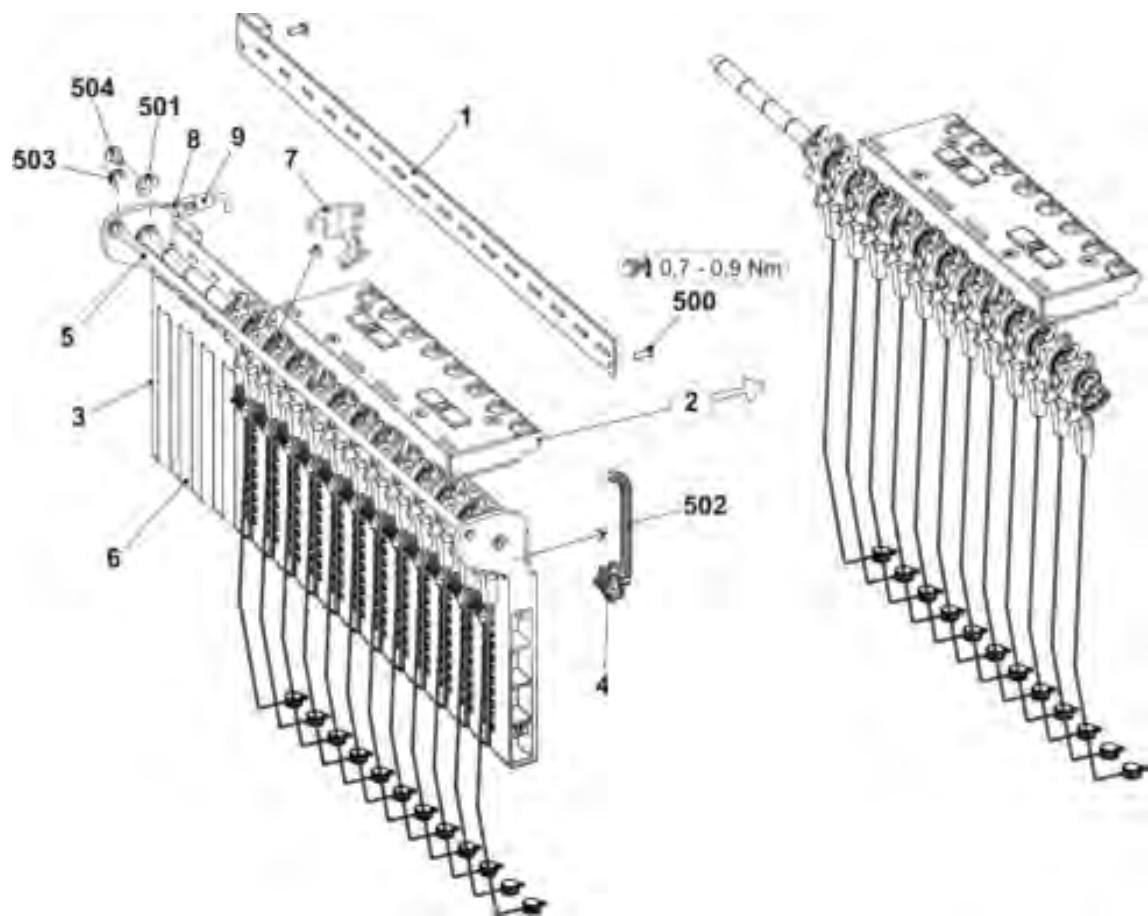
Pos	Designation	ID		Pos	Designation	ID
<b>Σ</b>	Safety door on the left complete			11	Connection cable yarn tensionerokc	240 808
	E5   E2,5.2   E3,5.2   E5.2   E5m.4   E7m.5	241 271			Yarn brake not adjustable	244 356
	E7   E8   E7m.8   E8m.7	241 272			Clamping bow	244 409
5	Yarn brake complete	244 347			Ground cable	244 404
6	Shaft	241 318			Stop bar on the left complete	258 454
7	Yarn tensioner on the left complete				Ceramic eyelet	240 640
	E5   E2,5.2   E3,5.2   E5.2   E5m.4   E7m.5	241 363			Compression spring 0,90x5,40x13,60	241 360
	E7   E8   E7m.8   E8m.7	241 364			Washer6	022 537
8	Cover	240 783			Screw KB 60x20	237 682
9	Wire bow on the left	241 370			Flat connector 2x45° M6	243 117
10	Yarn deflector	242 011				



## 9.4 Left yarn guide

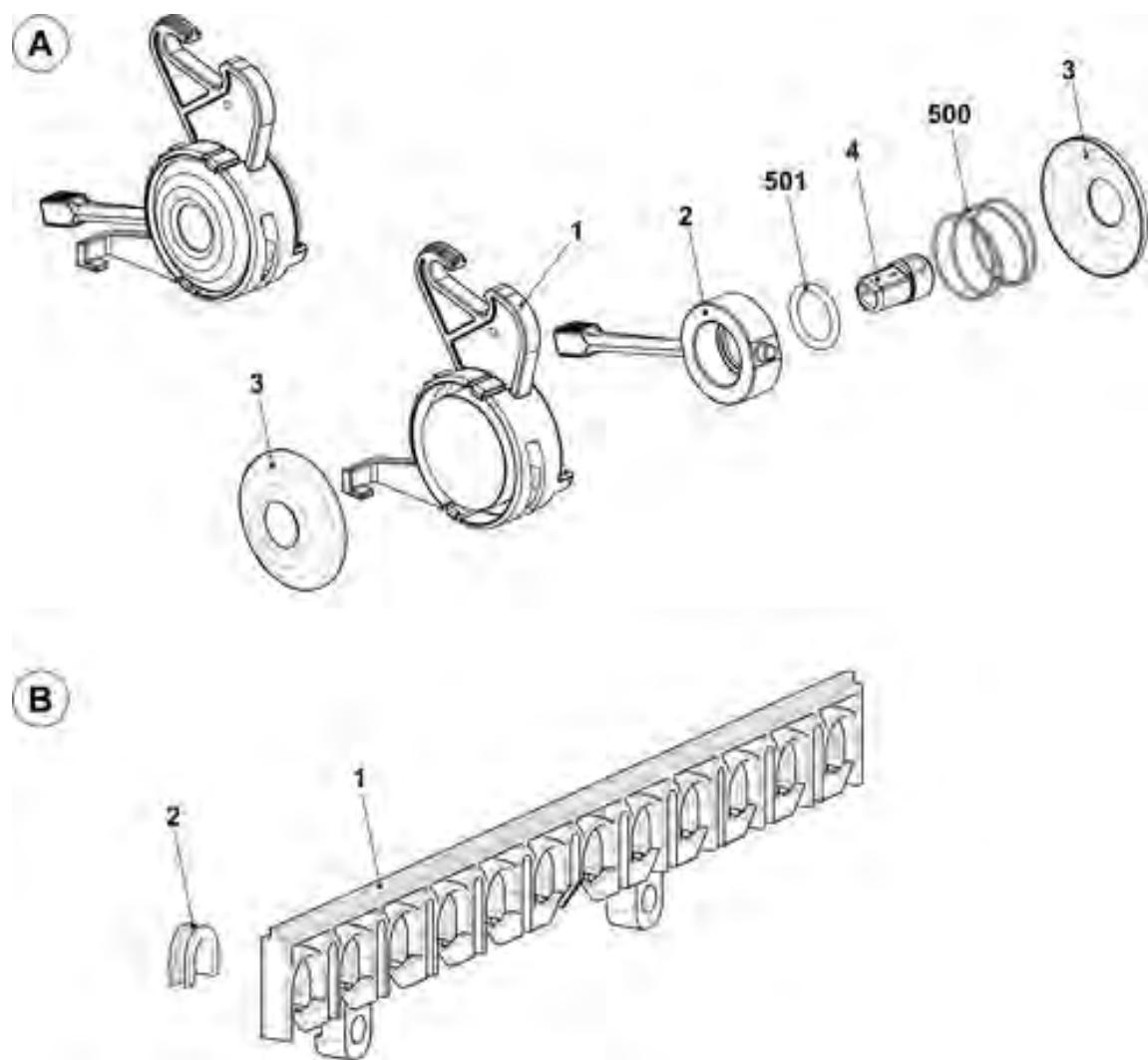
## 9.4.1 Left yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
<b>Σ</b>	<b>Yarn tensioner on the left complete</b>		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



#### 9.4.2 Yarn brake and yarn deflector

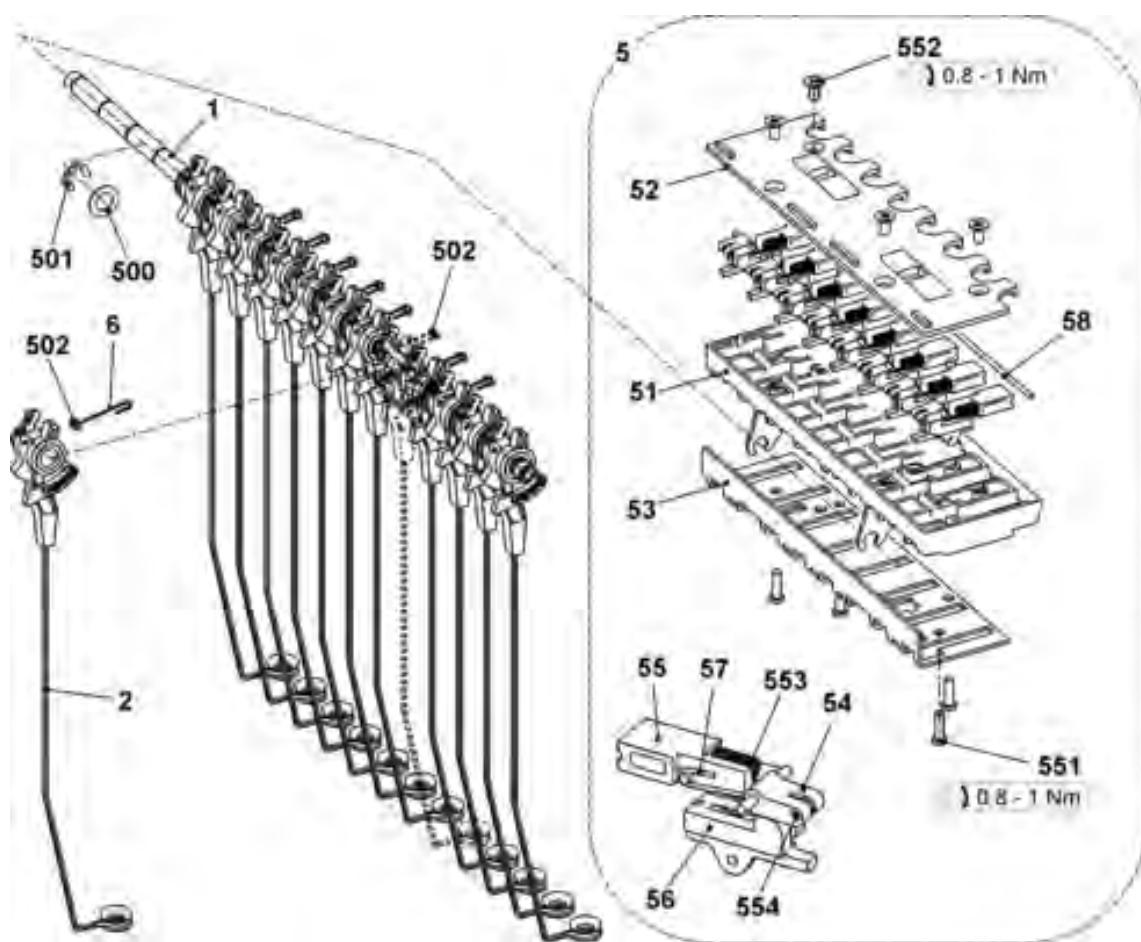
Pos	Designation	Id	Pos	Designation	Id	
A	Yarn brake complete	244 347	B	Yarn deflector	242 011	
1	Support	240 607		1	Support yarn deflector	242 009
2	Slider	240 606		2	Ceramic eyelet open	240 733
3	Brake disk	244 355				
4	Ceramic eyelet open	243 778				
500	Compression spring 0.65x20.15x14.80	241 361				
501	O-ring 11x2	241 434				



## 9.4 Left yarn guide

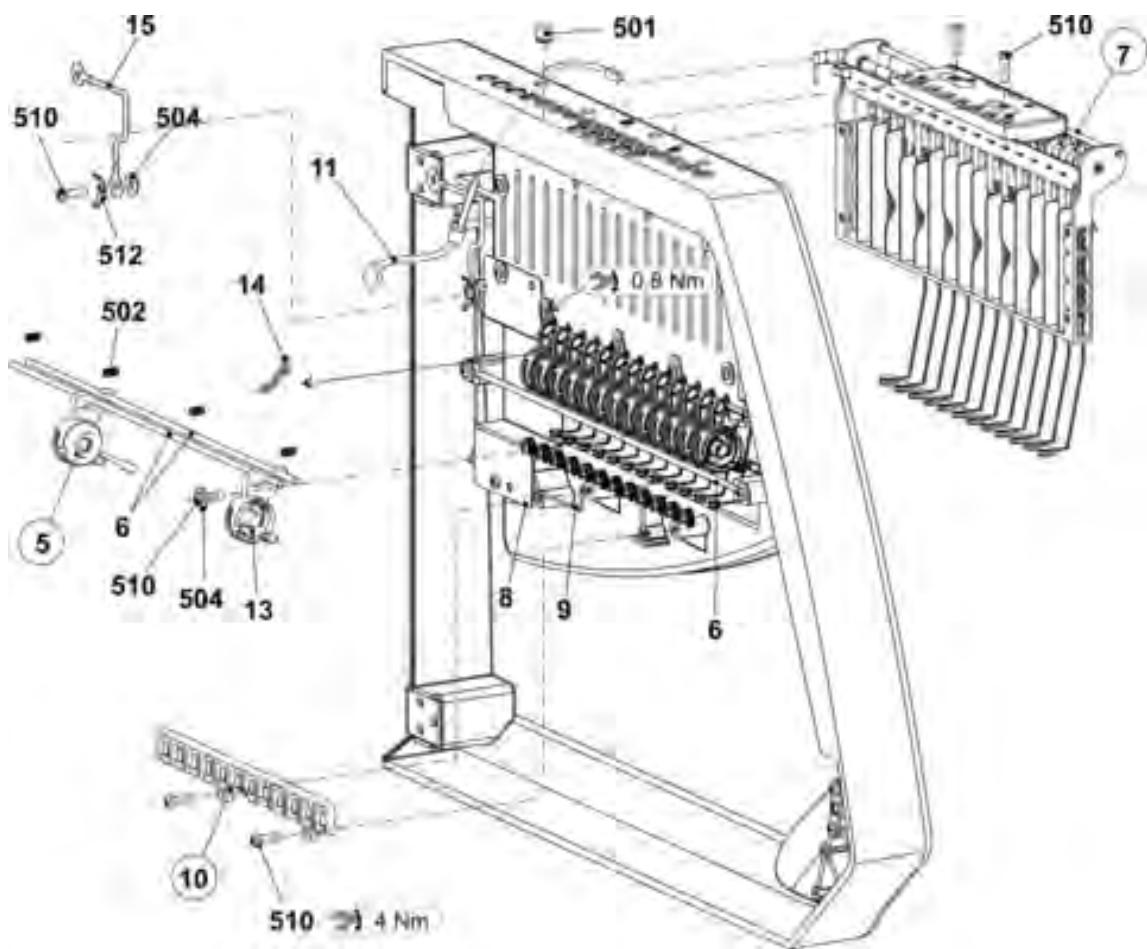
## 9.4.3 Left tension axle

Pos	Designation	ID	Pos	Designation	ID
<b>Σ</b>	Tension axle on the left complete E3-8	<b>241 366</b>	53	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107	54	Lever AKF	238 692
2	Tension arm pre-assembled E3-8	242 770	55	Pressure piece AKF	238 690
6	Wire bow	238 694	56	Slider AKF	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	<b>238 695</b>	552	Screw KB 40x8	236 227
51	Housing AKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172



## 9.5 Right yarn guide

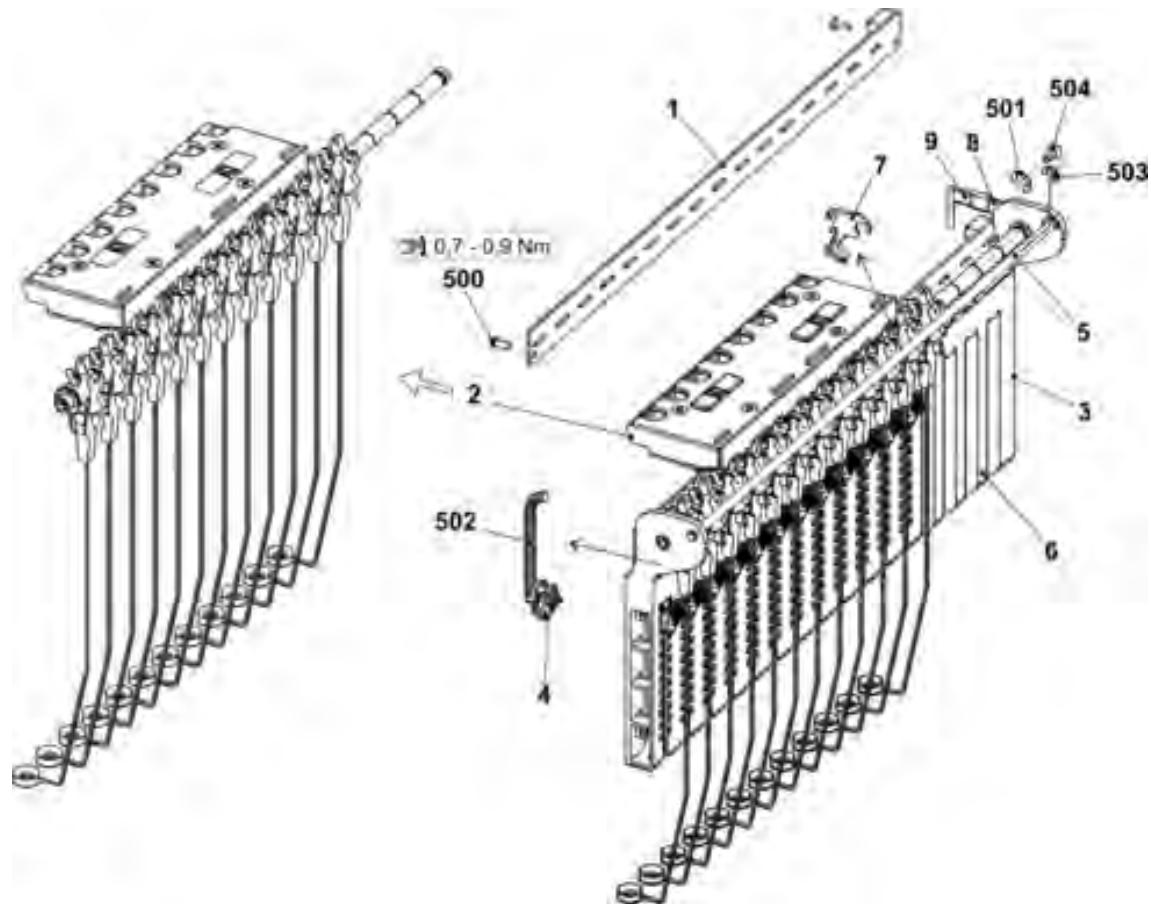
Pos	Designation	ID		Pos	Designation	ID
<b>Σ</b>	Safety door on the right complete			10	Yarn deflector	242 011
	E5   E2,5,2   E3,5,2   E5,2   E5m,4   E7m,5	241 274		11	Connection cable yarn tensionerokc	240 808
	E7   E8   E7m,8   E8m,7	241 275		13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347		14	Clamping bow	244 409
6	Wave	241 318		15	Ground cable	244 404
7	Yarn tensioner on the right complete			501	Ceramic eyelet	240 640
	E5   E2,5,2   E3,5,2   E5,2   E5m,4   E7m,5	241 382		502	Compression spring 0,90x5,40x13,60	241 360
	E7   E8   E7m,8   E8m,7	241 383		504	Washer6	022 537
8	Cover	240 783		510	Screw KB 60x20	237 682
9	Wire bow on the left	241 370		512	Flat connector 2x45° M6	243 117



## 9.5 Right yarn guide

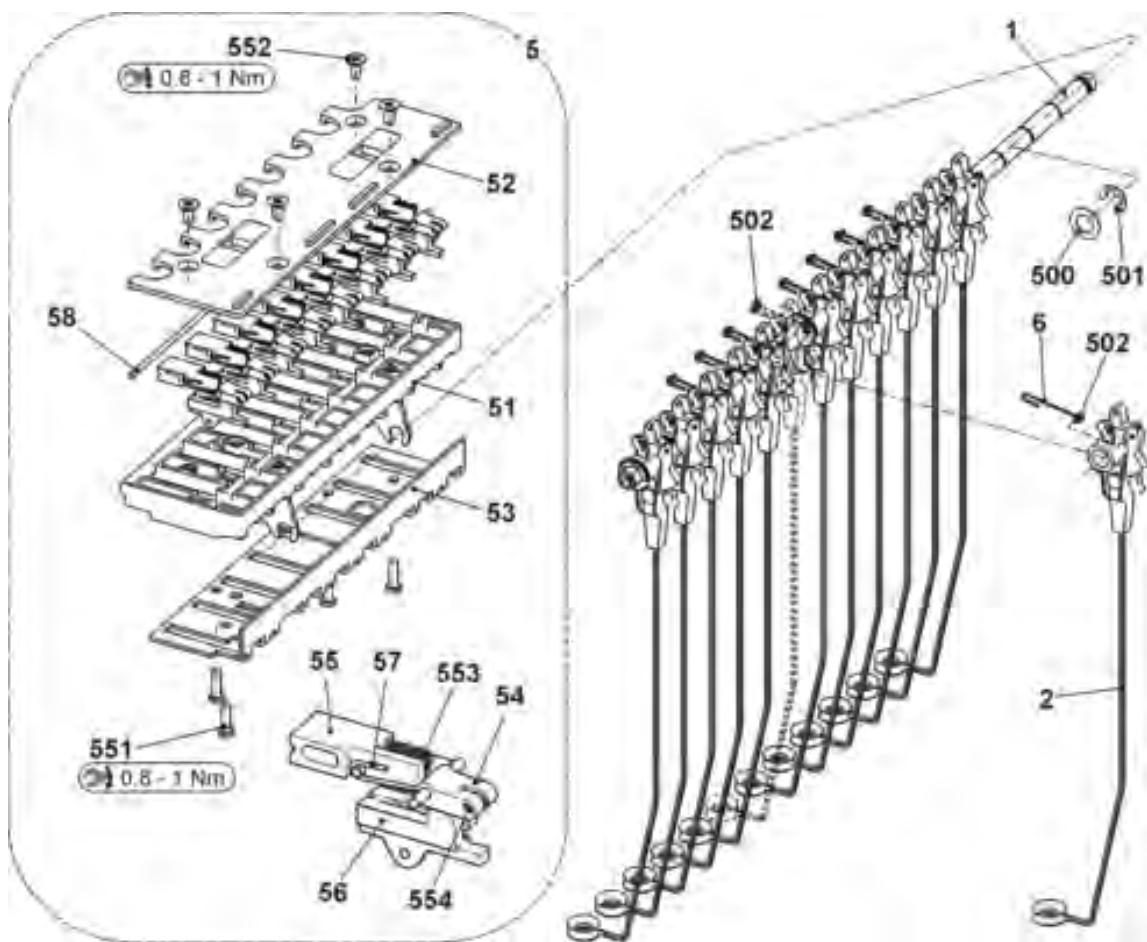
## 9.5.1 Right yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
<b>Σ</b>	<b>Yarn tensioner on the right complete</b>		7	Spacer	242 048
	E5   E2,5.2   E3,5.2   E5.2   E5m.4   E7m.5	<b>241 382</b>	8	Grounding plate of tension axle	243 121
	E7   E8   E7m.8   E8m.7	<b>241 383</b>	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 complete E3-8	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



### 9.5.2 Right tension axle

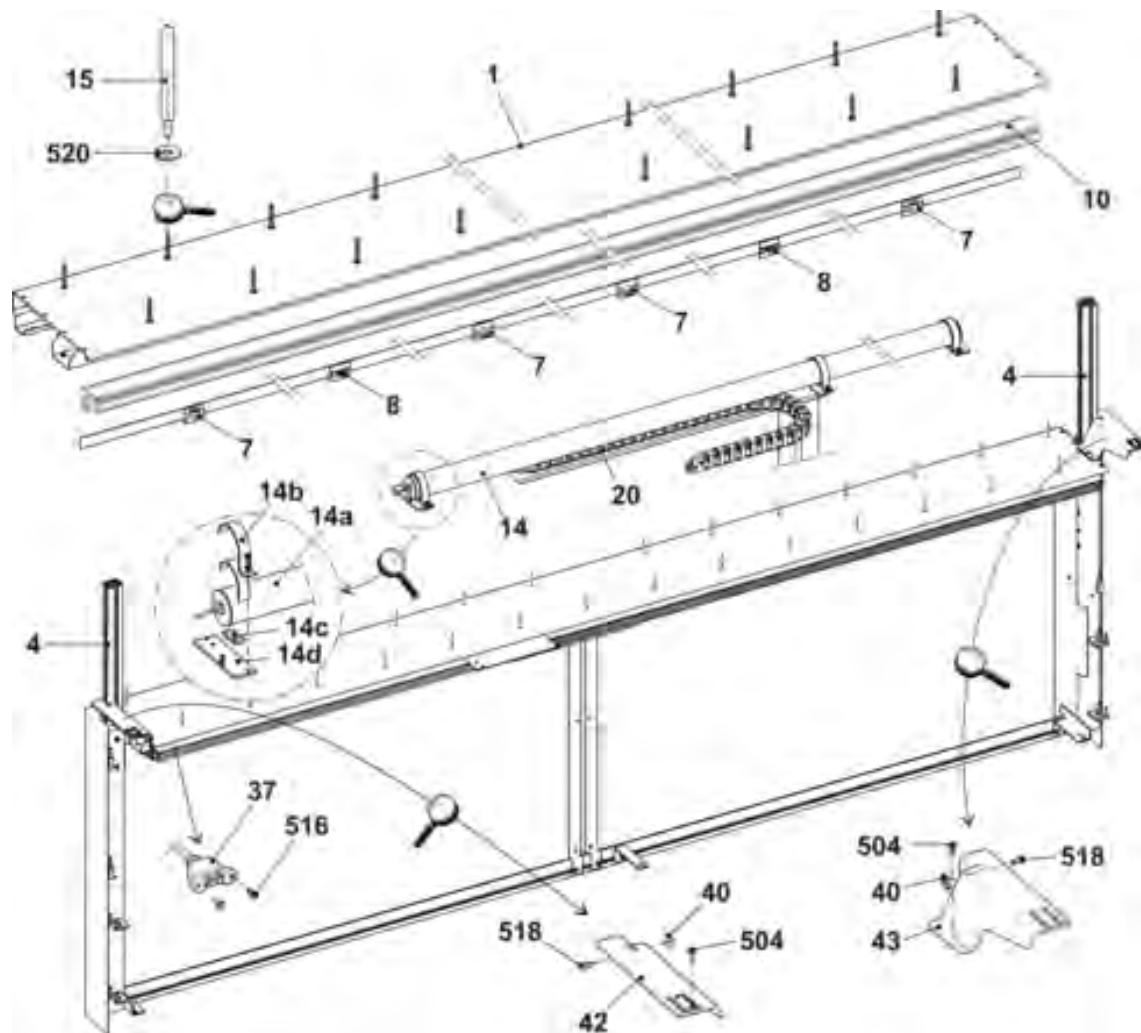
Pos	Designation	ID	Pos	Designation	ID
<b>Σ</b>	Tension axle on the right complete E3-8	241 379	53 54 55 56 57 58 551 552 553 554	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107		Lever AKF	238 692
2	Tension arm pre-assembled E3-8	242 770		Pressure piece AKF	238 690
6	Wire bow	238 694		SliderAKF	238 691
500	Shim ring 8x14x0,5	023 501		Wire bow	238 694
501	Circlip	021 022		Wire	237 940
502	Grooved pin 2x6	243 172		Screw KB 35x12	237 681
5	Thread clamp AKF	238 695		Screw KB 40x8	236 227
51	HousingAKF	238 689		Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926		Grooved pin 2x6	243 172



## 9.6 Bobbin board

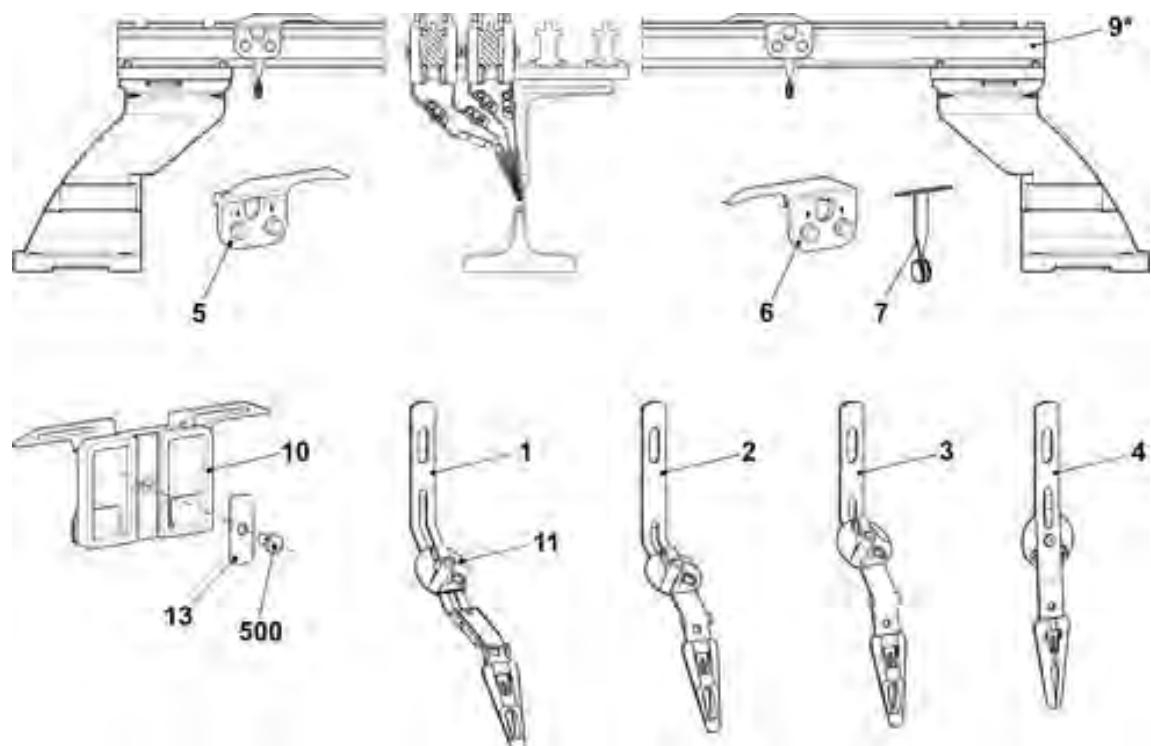
## 9.6 Bobbin board

Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Table complete 84"	240 681			
1	Table	251 246	15	Positioning pin	204 819
4	Support element	228 594	20	Energy chain display 38 links	253 888
7	Magnet switch safety door	219 983	37	Cable USB extension 84 okc	243 070
8	Magnet switch safety door	220 159	40	Slot nut	228 851
10	Guide rail at the top complete	240 684	42	Support of left feed wheel	250 966
14	Lamp at the top complete	236 693	43	Support of right feed wheel	250 967
14a	Long light RL60V - 230 V	212 580	504	Pan-head screw M8x16	023 113
14b	Clamping bow	209 504	516	Pan-head screw M3x8	023 251
14c	Cellular caoutchouc 40x20	208 018	518	Pan-head screw M8x18	251 331
14d	Lamp support	221 951	520	Washer	020 901



## 9.7 Yarn carrier and guide rails

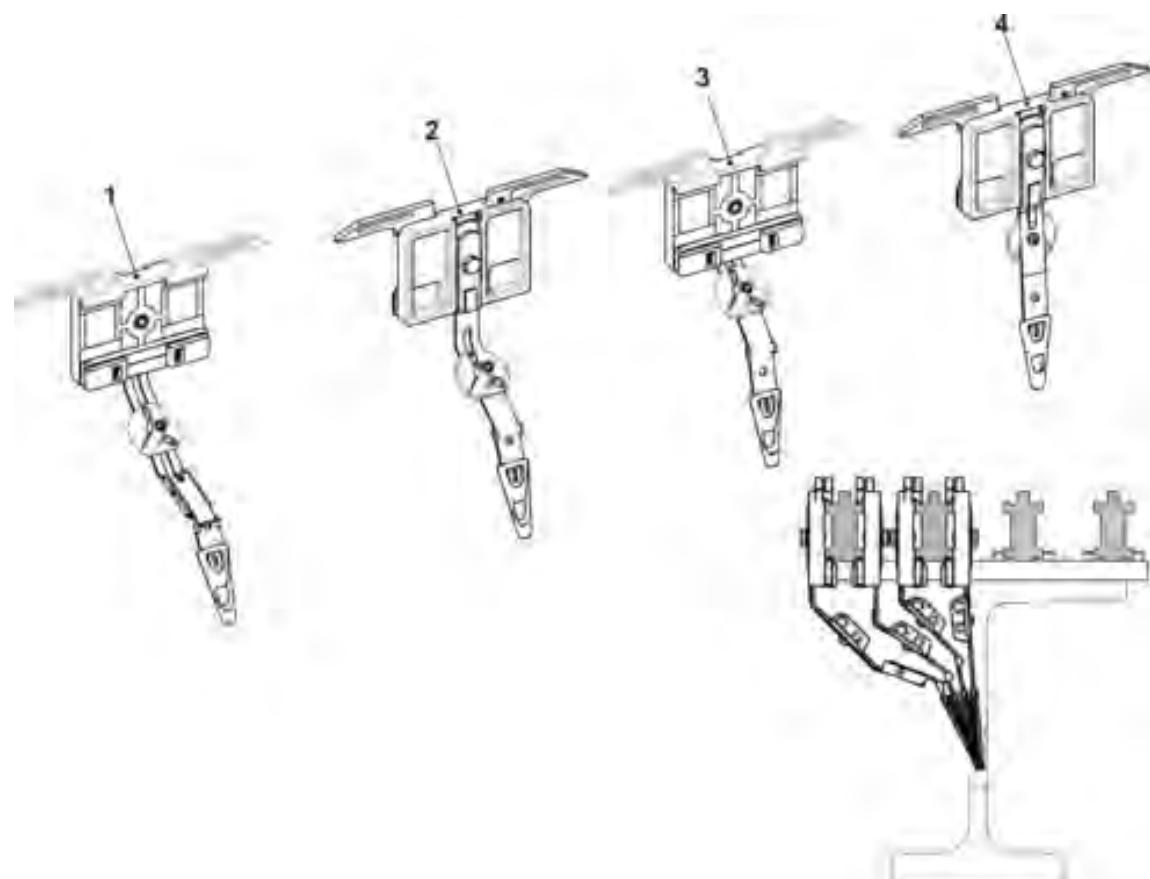
Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Yarn guide complete E5	244 003		E5   E5m.4   E7m.5   E2,5.2   E3,5.2   E5.2	
	Yarn guide complete E7 – E8	244 004	1	YC bow 1+8 complete E5	212 990
5	Limiter on the left complete	244 099	2	YC bow 2+7 complete E5	212 992
6	Limiter on the right complete	244 098	3	YC bow 3+6 complete E5	212 991
7	Slider with eyelet	230 709	4	YC bow 4+5 complete E5	212 993
9	Yarn carrier rail	255 467		E7   E8   E7m.8   E8m.7	
10	YC carriage complete	243 062	1	YC bow 1+8 complete E7-8	212 892
11	Yarn guide wheel complete	209 257	2	YC bow 2+7 complete E7-8	212 914
13	Shim 0.2x12x75	213 035	3	YC bow 3+6 complete E7-8	212 925
500	Hexagon screw M5x10	020 351	4	YC bow 4+5 complete E7-8	212 910



## 9.8 Complete yarn carriers

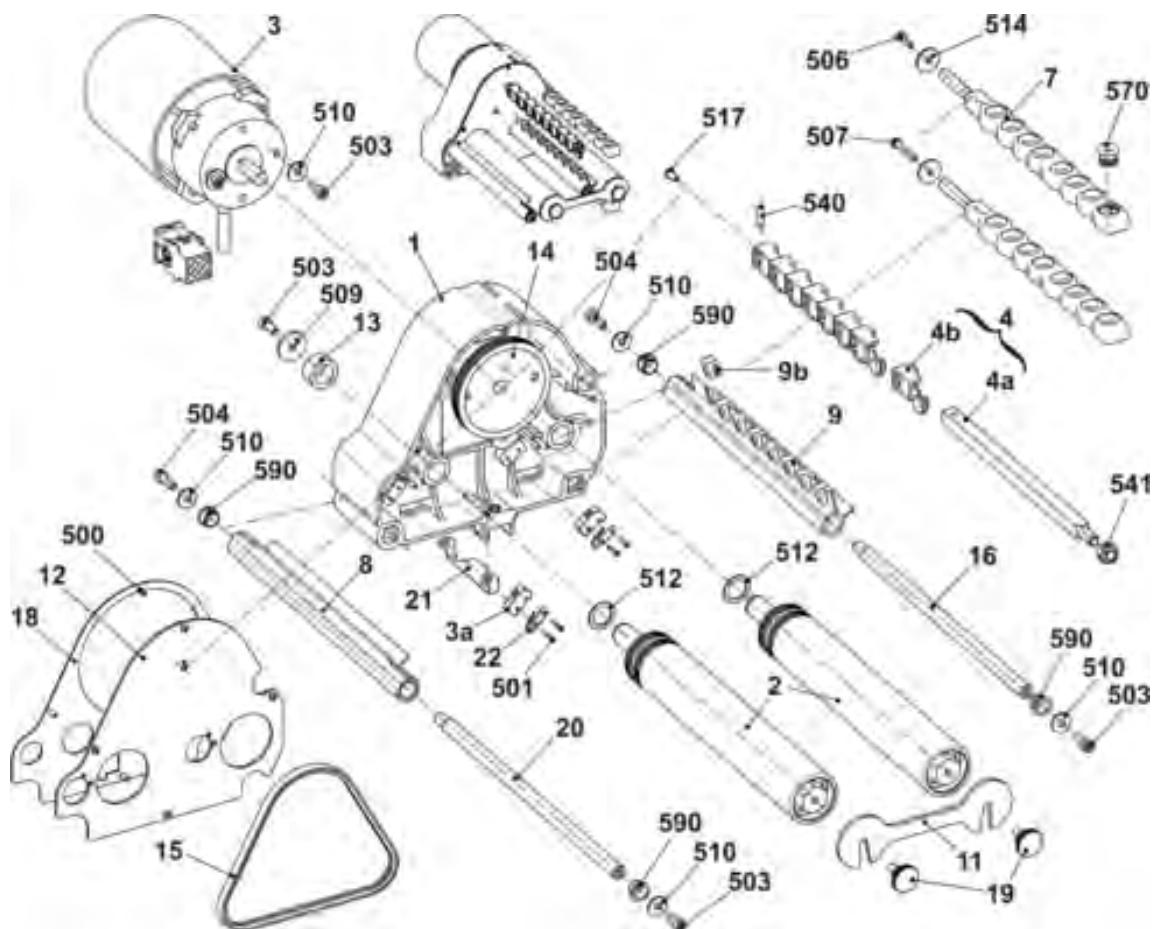
## 9.8 Complete yarn carriers

Pos	Designation	Track	Id		Pos	Designation	Track	Id
<b>E5   E5m.4   E7m.5   E2,5.2   E3,5.2   E5.2</b>				<b>E7   E8   E7m.8   E8m.7</b>				
1	YC carriage complete E5	1+8	243 935		1	YC carriage complete E7-8	1+8	243 939
2	YC carriage complete E5	2+7	243 934		2	YC carriage complete E7-8	2+7	243 938
3	YC carriage complete E5	3+6	243 933		3	YC carriage complete E7-8	3+6	243 937
4	YC carriage complete E5	4+5	243 932		4	YC carriage complete E7-8	4+5	243 936



## 9.9 Left friction feed wheel

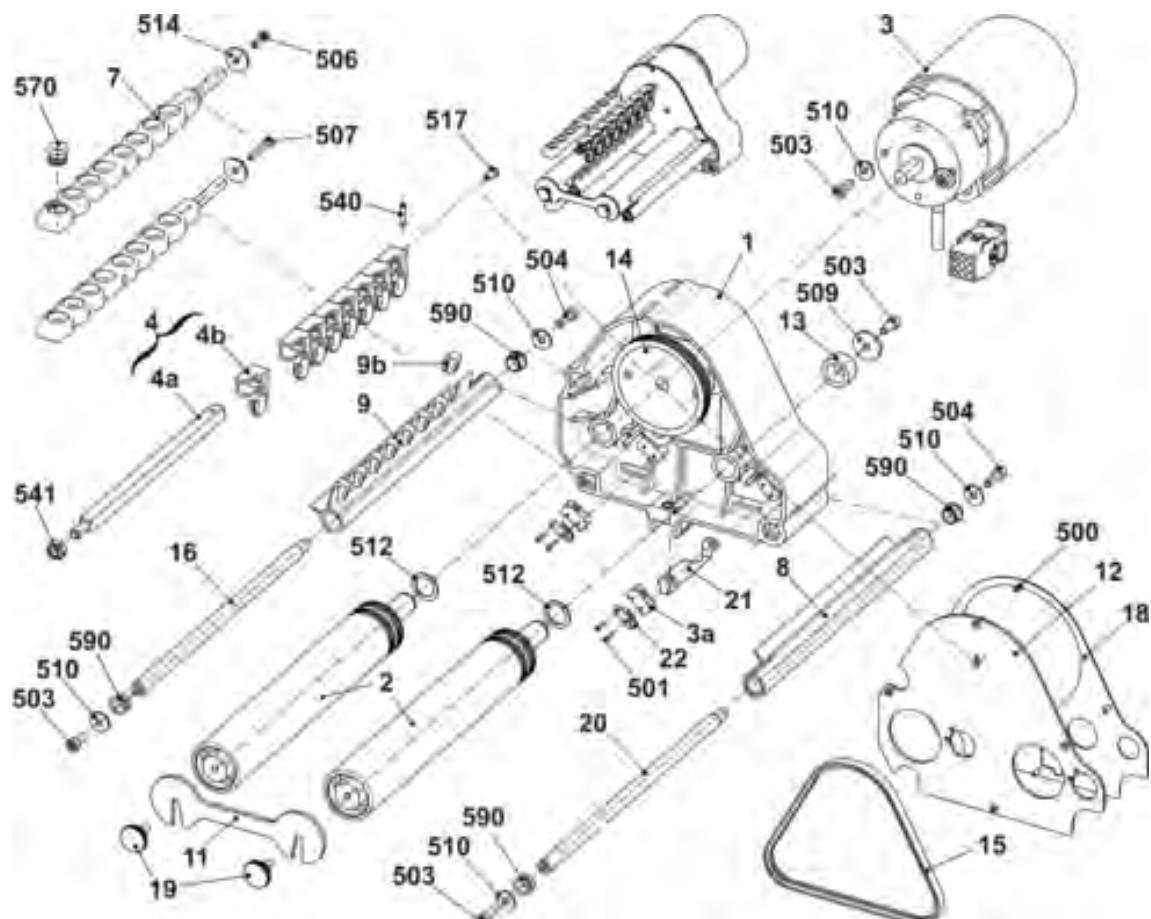
Pos	Designation	Id	Pos	Designation	Id
<b><math>\Sigma</math></b>	Friction feed wheel on the left complete	243 571	14	Ribbed V-belt pulley	221 268
1	Housing	240 368	15	Ribbed V-belt pulley V3J 406	206 927
2	Friction roller complete	231 704	16	Rod	221 319
3	Three-phase A.C. motor complete	219 800	18	Cover	230 758
3a	Microswitch	008 664	19	Knurled srew	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 KB 30x8	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	Washer 6.1x9x0.5	023 219
590	Slide bearing	023 627	510	U-washer 5	020 901
11	Strap	221 316	512	Adjusting washer 15x21x1	023 216
12	Cover	251 098	514	U-washer 4,3	020 908
13	Bush	221 391	517	Pan-head screw M4x8	023 579



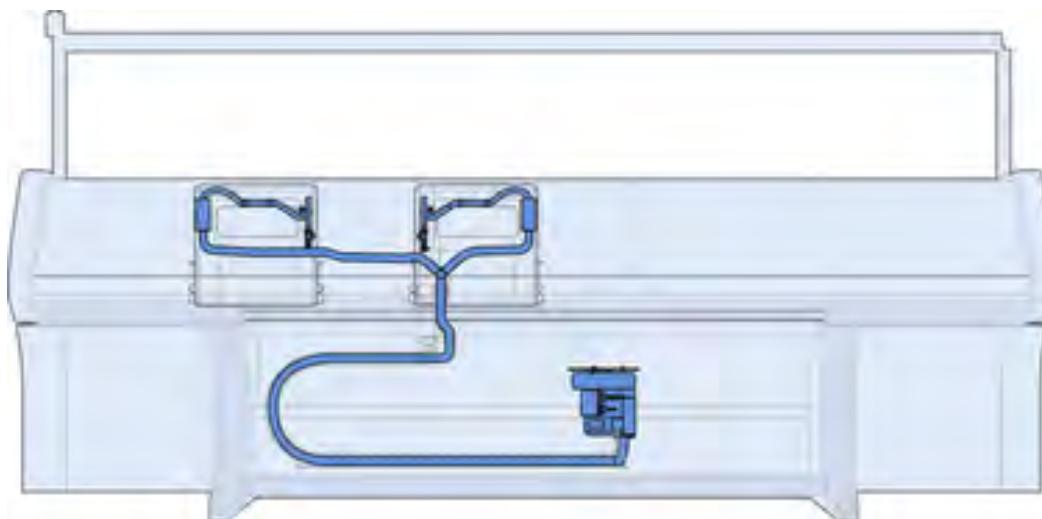
## 9.10 Right friction feed wheel

## 9.10 Right friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
<b>Σ</b>	Friction feed wheel on the right complete	<b>243 572</b>	14	Ribbed V-belt pulley	221 268
1	Housing	240 368	15	Ribbed V-belt pulley V3J 406	206 927
2	Friction roller complete	231 704	16	Rod	221 319
3	Three-phase A.C. 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 KB 30x8	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	Washer 6.1x9x0.5	023 219
590	Slide bearing	023 627	510	U-washer 5	020 901
11	Strap	221 316	512	Adjusting washer 15x21x1	023 216
12	Cover	251 098	514	U-washer 4,3	020 908
13	Bush	221 391	517	Pan-head screw M4x8	023 579



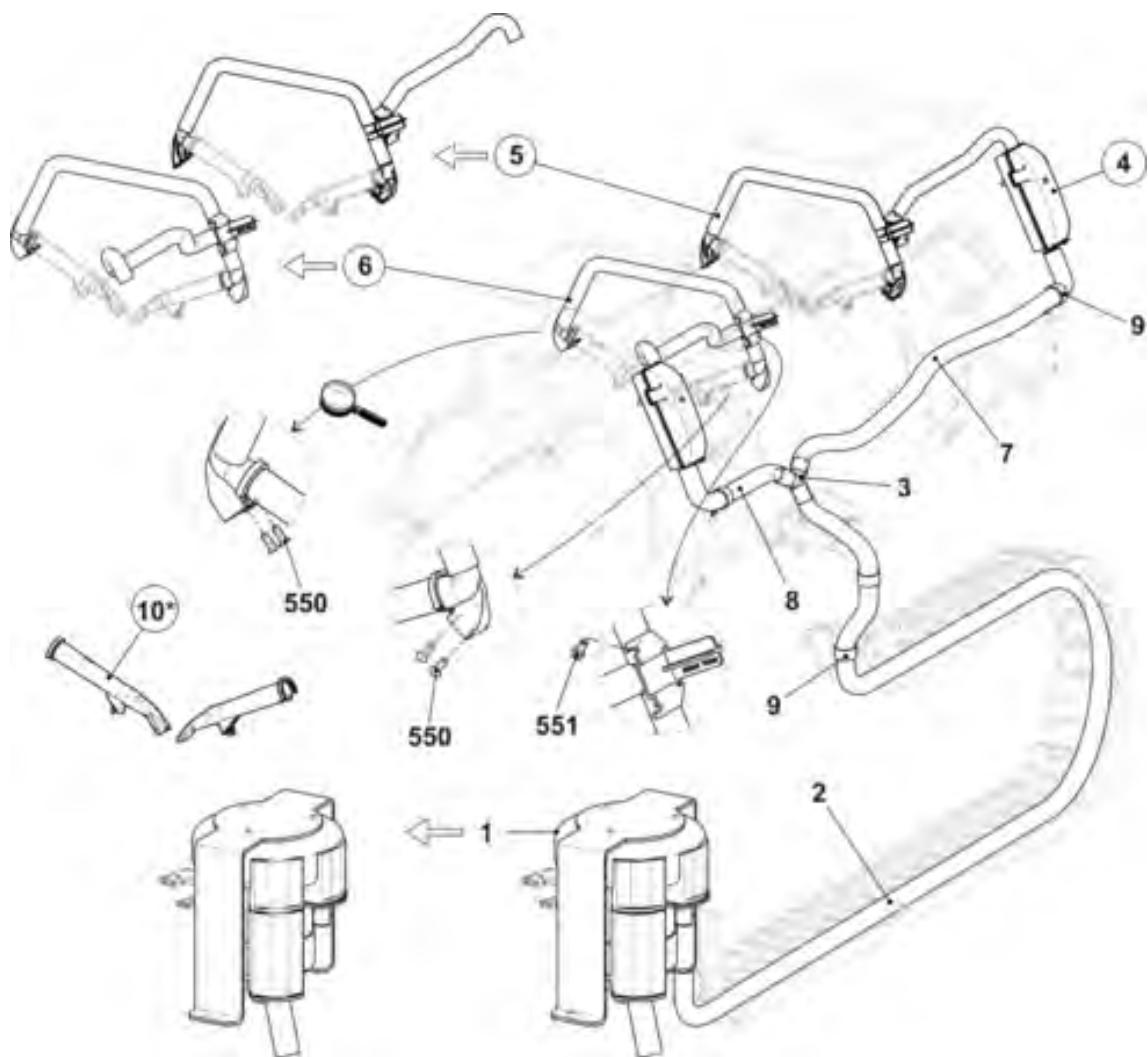
## 10 Fluff absorption



## 10.1 Fluff absorption

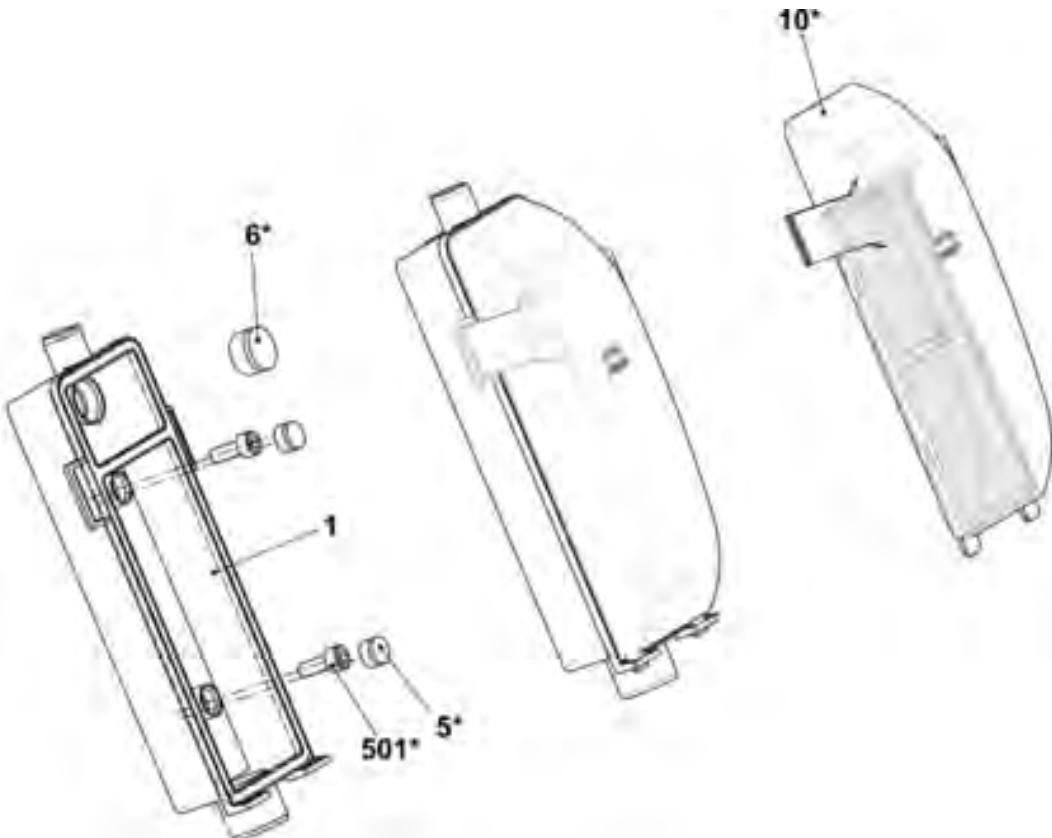
## 10.1 Fluff absorption

Pos	Designation	Id		Pos	Designation	Id
<b>Σ</b>	<b>Fluff absorption</b>					
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

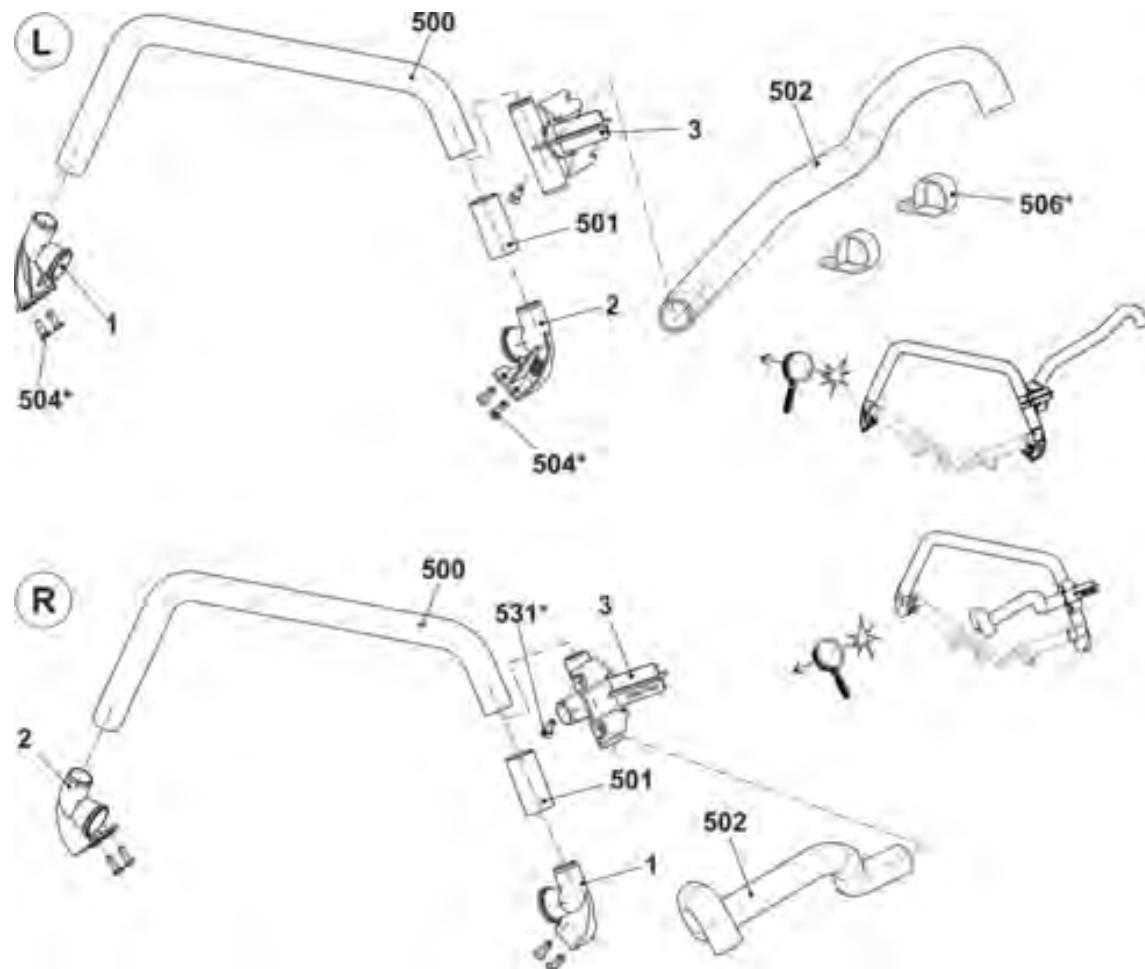
Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Lint container		6*	Sealing plug	245 029
1	Lint container	245 024		Cover with filter	251 335
5*	Sealing plug	245 028		Cap screw M6x10	023 690



## 10.1 Fluff absorption

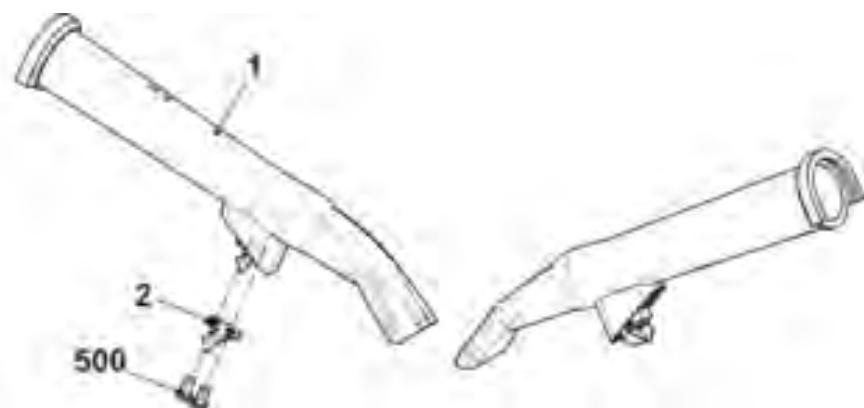
## 10.1.2 Set of tubes on the left and right

Pos	Designation	Id		Pos	Designation	Id
L	Set of tubes on the left complete 5Z	251 343		501	Suction hose 20x16x40	251 043
R	Set of tubes on the right complete	251 344		502	Suction hose 20x16x420	251 045
1	Angle connection on the right	250 121		504*	Countersunk head screw M4x8	251 011
2	Angle connection on the left	251 101		506*	Cable clip	250 051
3	Connection piece Flent	245 022		531*	Cap screw M4x8	022 501
500	Suction hose 20x16x400	244 983				



## 10.1.3 Suction tube

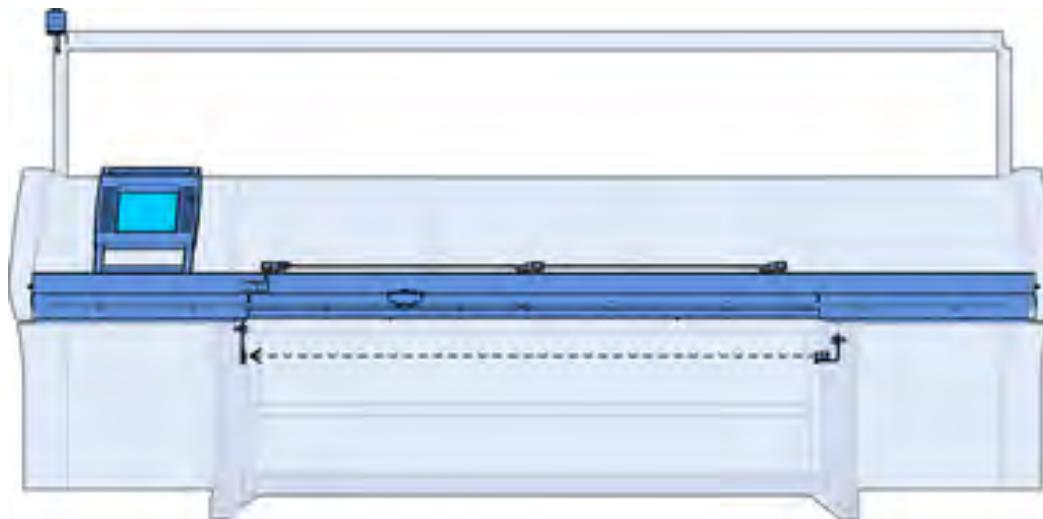
Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Suction tube complete E5-14	251 312				
1	Suction tube	255 386				
2	Bracket	255 628				
500	Screw KB30x8	241 424				



10.1 Fluff absorption

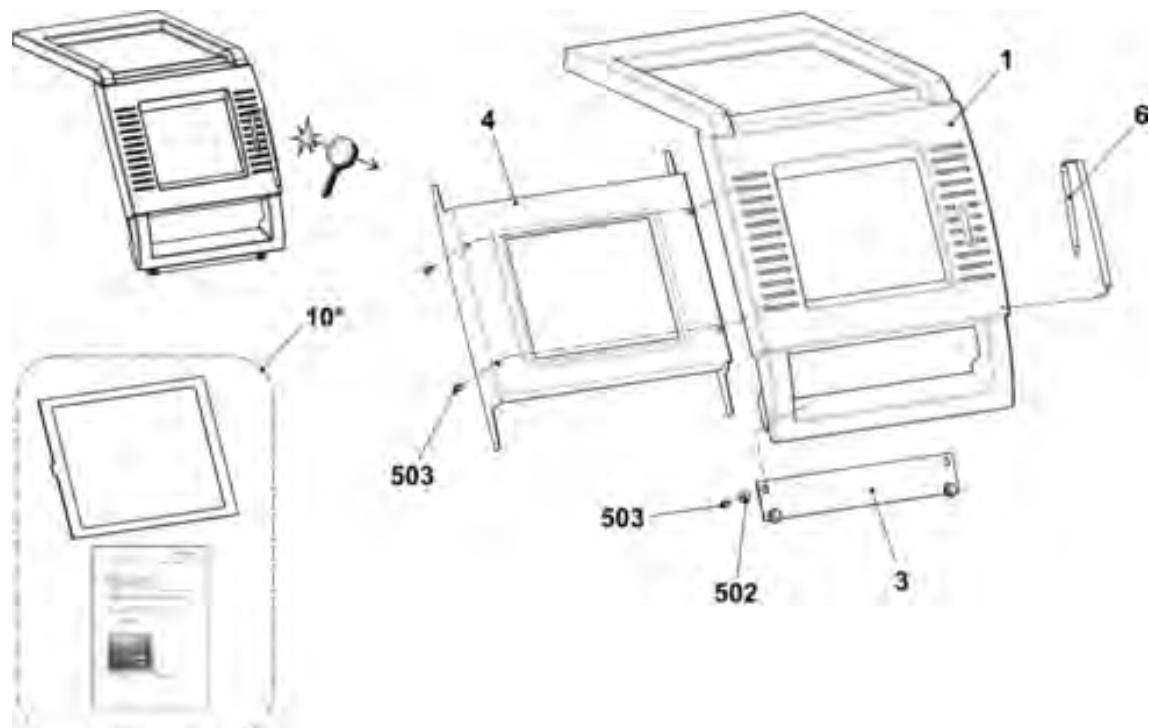
Notes:

## 11 Operation and control



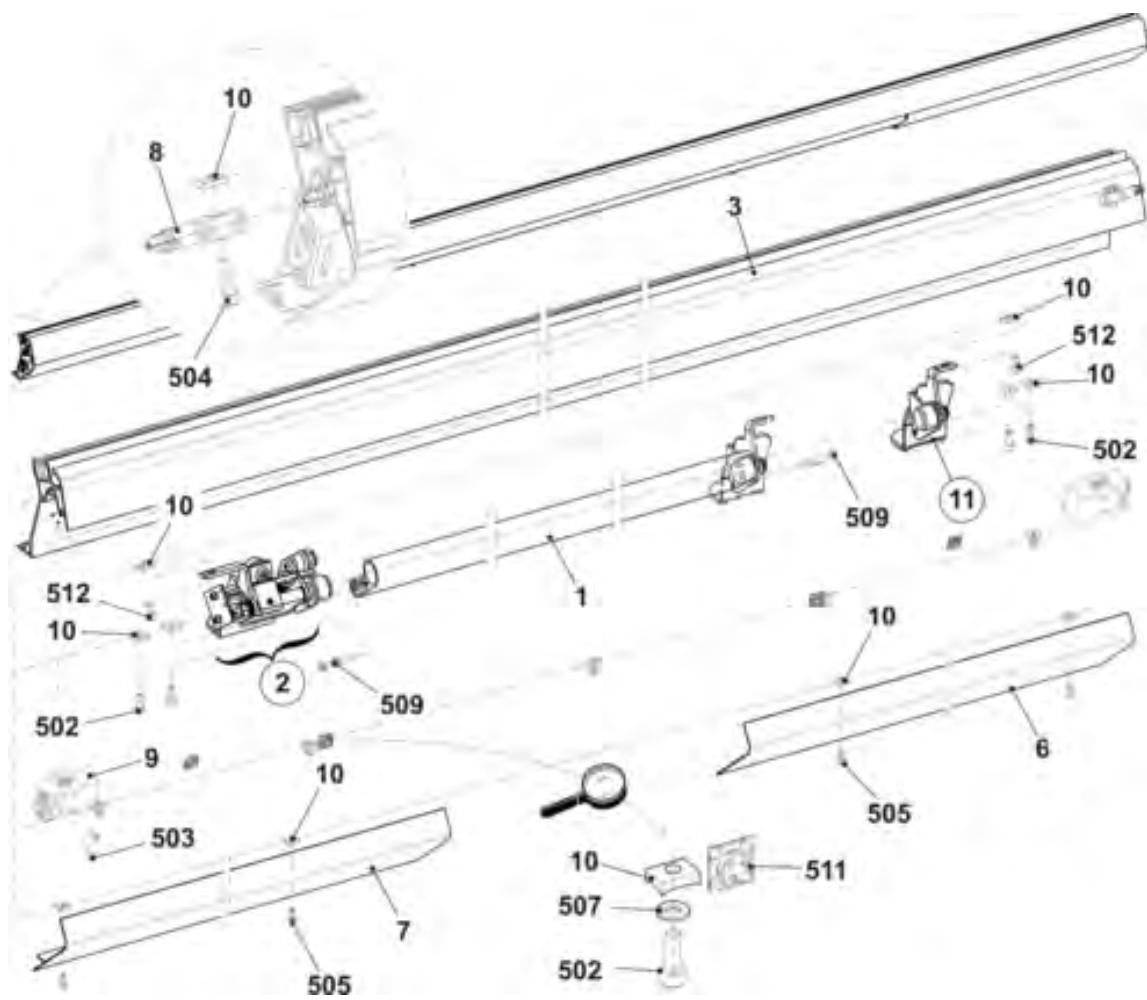
## 11.1 Input unit

Pos	Designation	Ident No.		Pos	Designation	Ident No.
$\Sigma$	Input unit complete	240 194		6	Touch pen	242 812
1	Base frame	240 195		10*	Touch panel spare parts package	244 554
3	Bearing strip complete	240 198		502	U-washer	020 901
4	Display touch complete	250 298		503	Screw KB 50x12	240 359



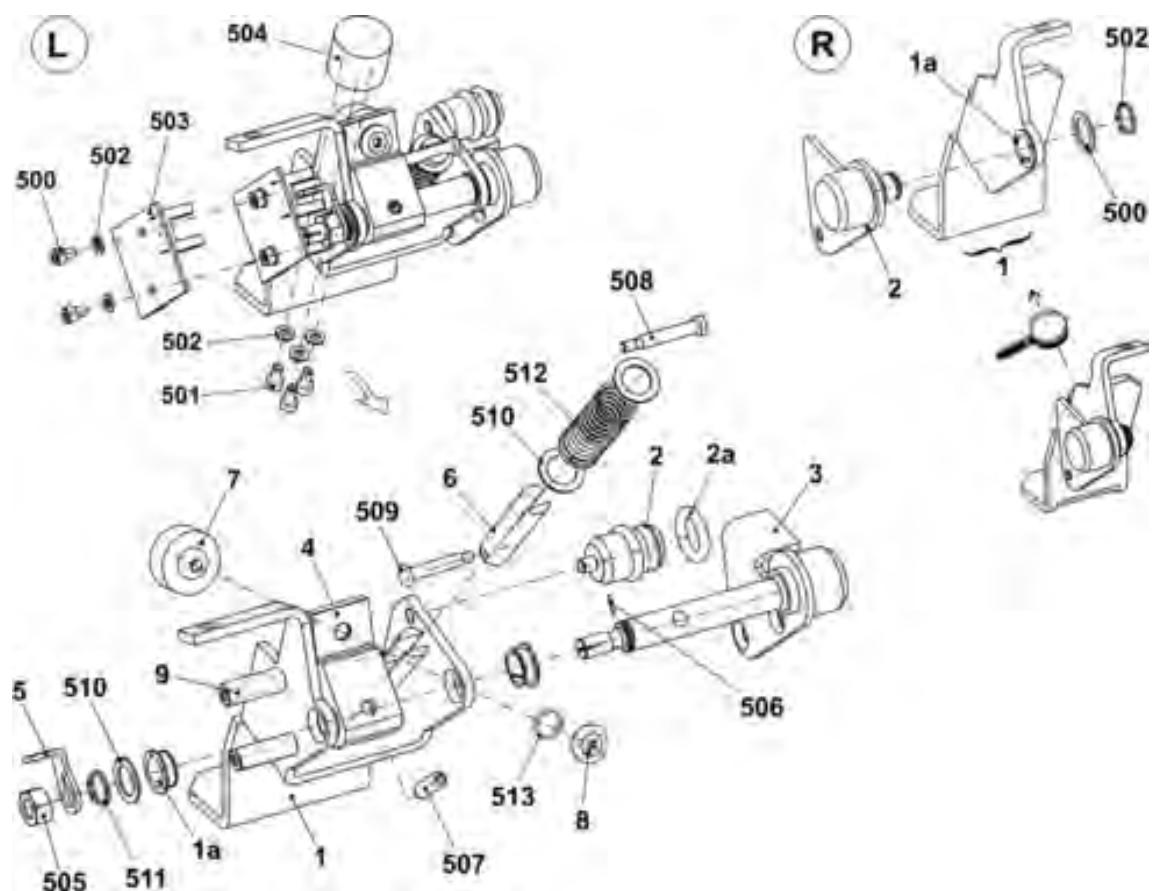
## 11.2 Starting unit

Pos	Designation	Id	Pos	Designation	Id
Σ	Starting unit complete	241 039	11	Bearing on the right complete	252 964
1	Engaging rod	241 030		502	Cap screw M6x16
2	Bearing on the left complete	250 071		503	Countersunk screw M5x14
3	Guide rail at the bottom complete	251 227		504	Cap screw M6x20-12.9
6	Cover plate on the right	251 216		505	Cap screw M6x12
7	Cover plate on the left	251 217		507	U-washer
8	Fixing bolt	219 107		509	Screw M6x25
9	Switch with cable to protective hoods	223 350		511	Adhesive base
10	Sliding nut (sliding block)	225 099		512	Cap screw M6x10



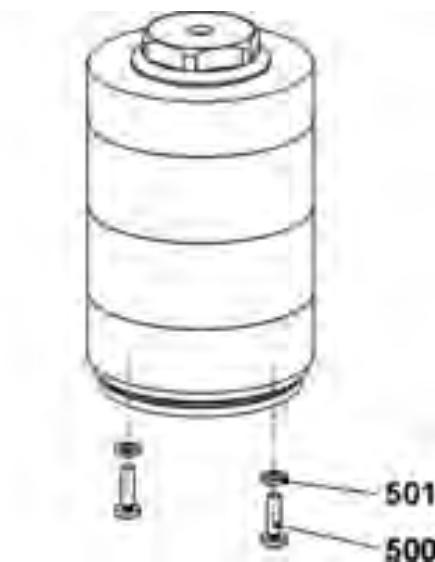
## 11.2.1 Bearing of the engaging rod

Pos	Designation	Ident No.	Pos	Designation	Ident No.
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M4-6	020 838
1a	Clip bearing MCM12-04	023 639	506	Dowel pin 1.5x8	236 923
2	Support 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	Adjusting washer 12x18x1	023 315
5	Switch flag	245 220	511	Locking ring 12x1	020 951
6	Spring mandrel	251 340	512	Compression spring 1.25x15x98.2	023 609
7	Disc	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	Adjusting washer 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	240 167	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Locking ring 12x1	020 951



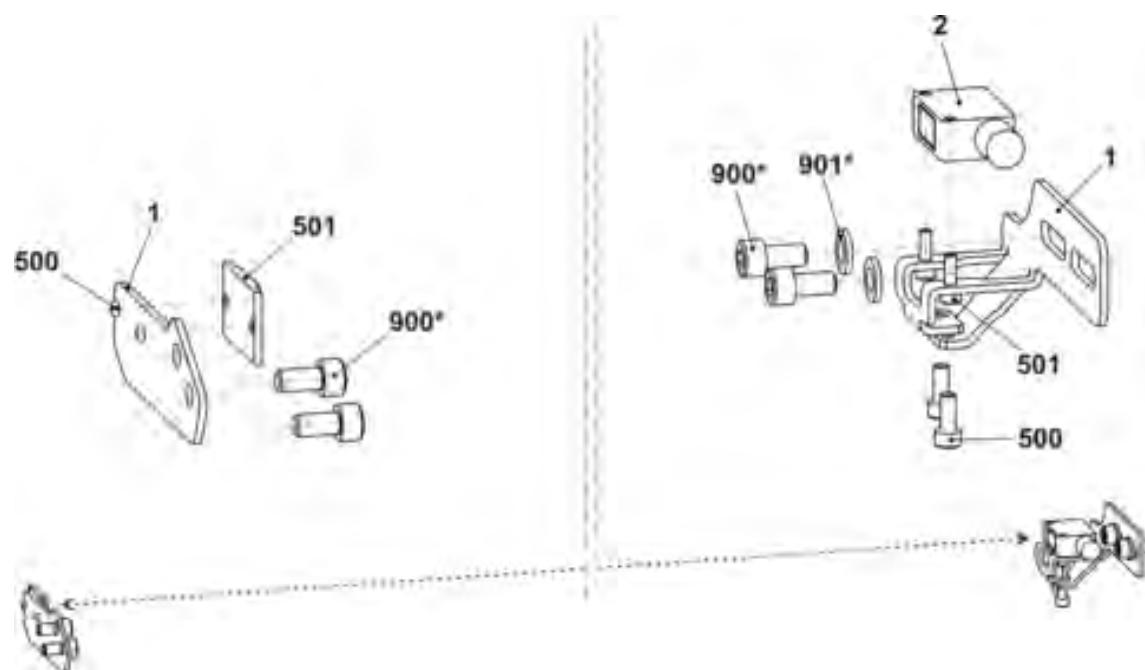
## 11.3 Signal light

Pos	Designation		Id	Pos	Designation		Id
$\Sigma$	Warning light LED		240 395				
	500	Countersunk screw M4x14	023 037				
	501	Serrated lock washer A4.3-FS	022 482				



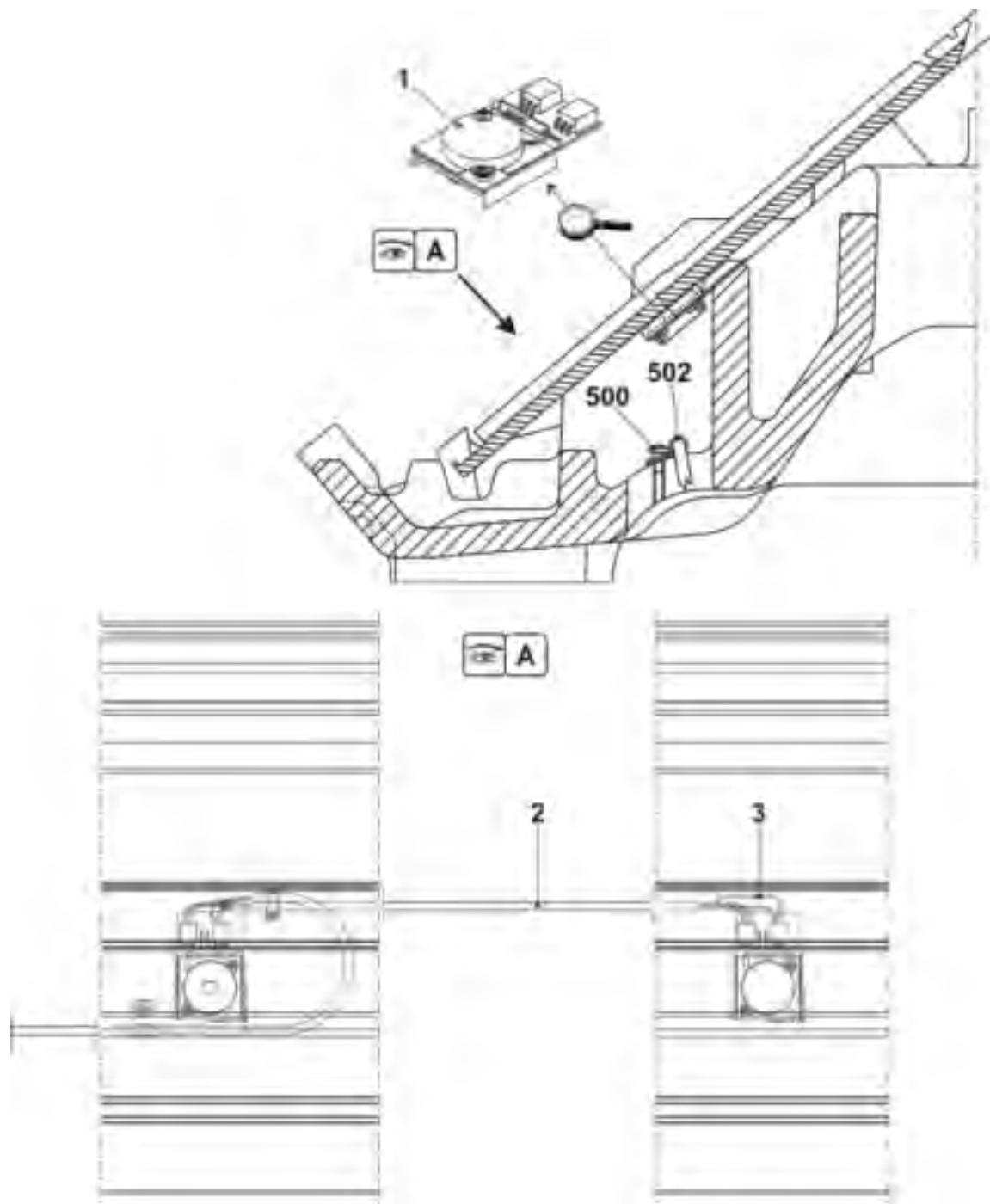
## 11.4 Collecting area - control

Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Reflector complete	256 826		$\Sigma$	Angle support photoelectric sensor	257 409
1	Mounting plate reflector	256 675		1	Support angle	256 806
500	Blind rivet A3x8-Al	023 158		2	Photoelectric sensor WI100-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*	U-washer 6	020 872



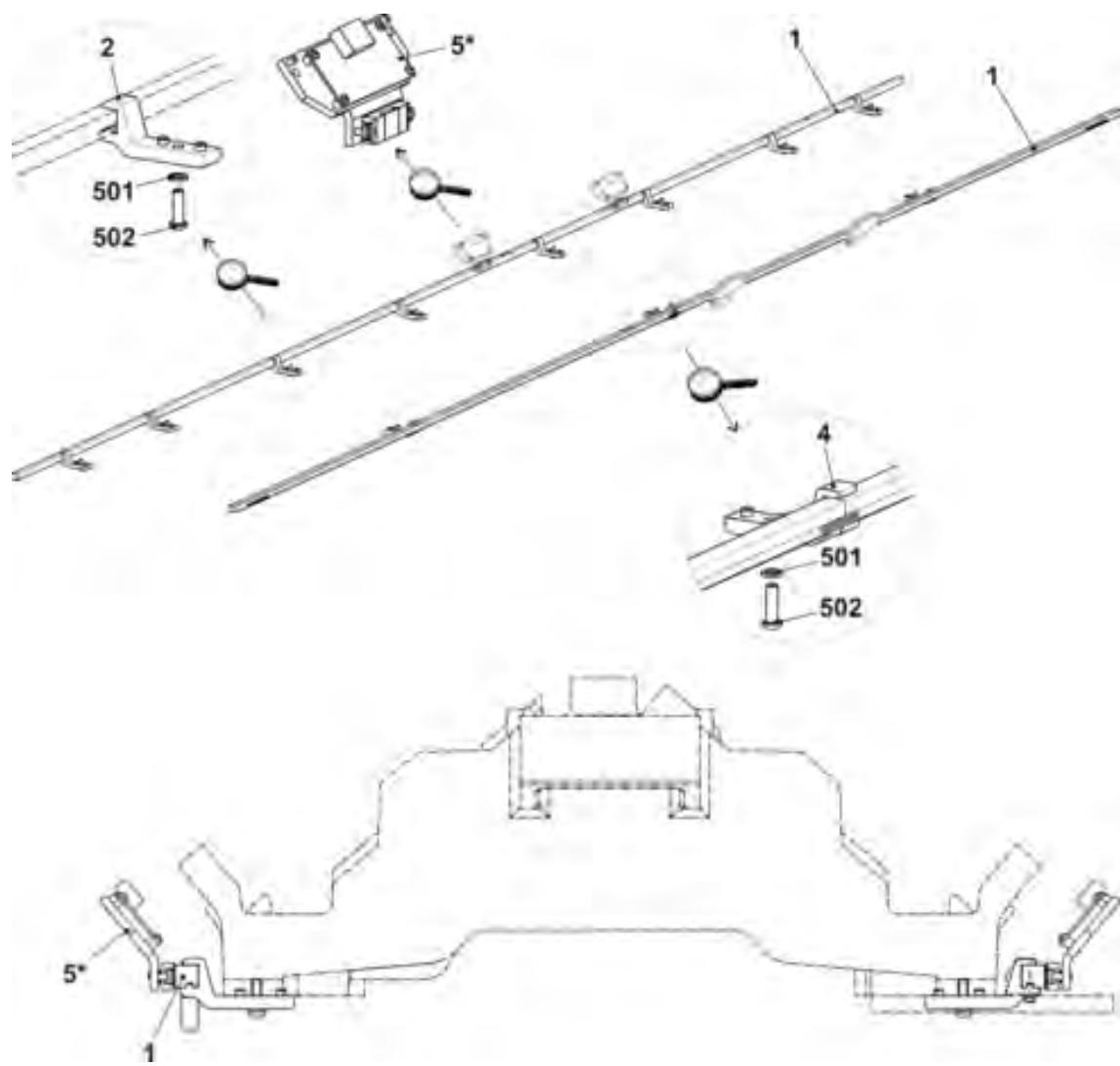
## 11.5 Shock stop motion

Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Shock stop motion complete	223 947	3 500 502	End plug piezo sensor	220 053
1	Shock stop motion (Piezo)	220 011		Countersunk screw M4x8	023 036
2	Connecting cable piezo sensor	220 061		Cable clip N-3B, 5 mm	210 729

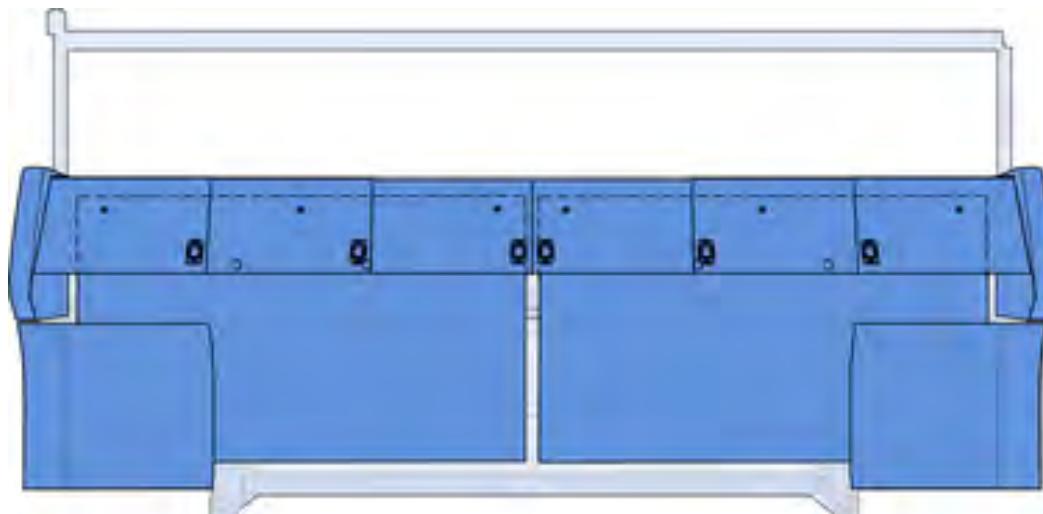


## 11.6 Measuring device

Pos	Designation	Id		Pos	Designation	Id
<b>Σ</b>	<b>Measuring device</b>					
1	Measuring bar	241 804		5*	Measuring head complete	240 562
2	Guide	212 210		501	Washer6	020 881
4	Guide	240 672		502	Pan-head screw M6x20	241 603



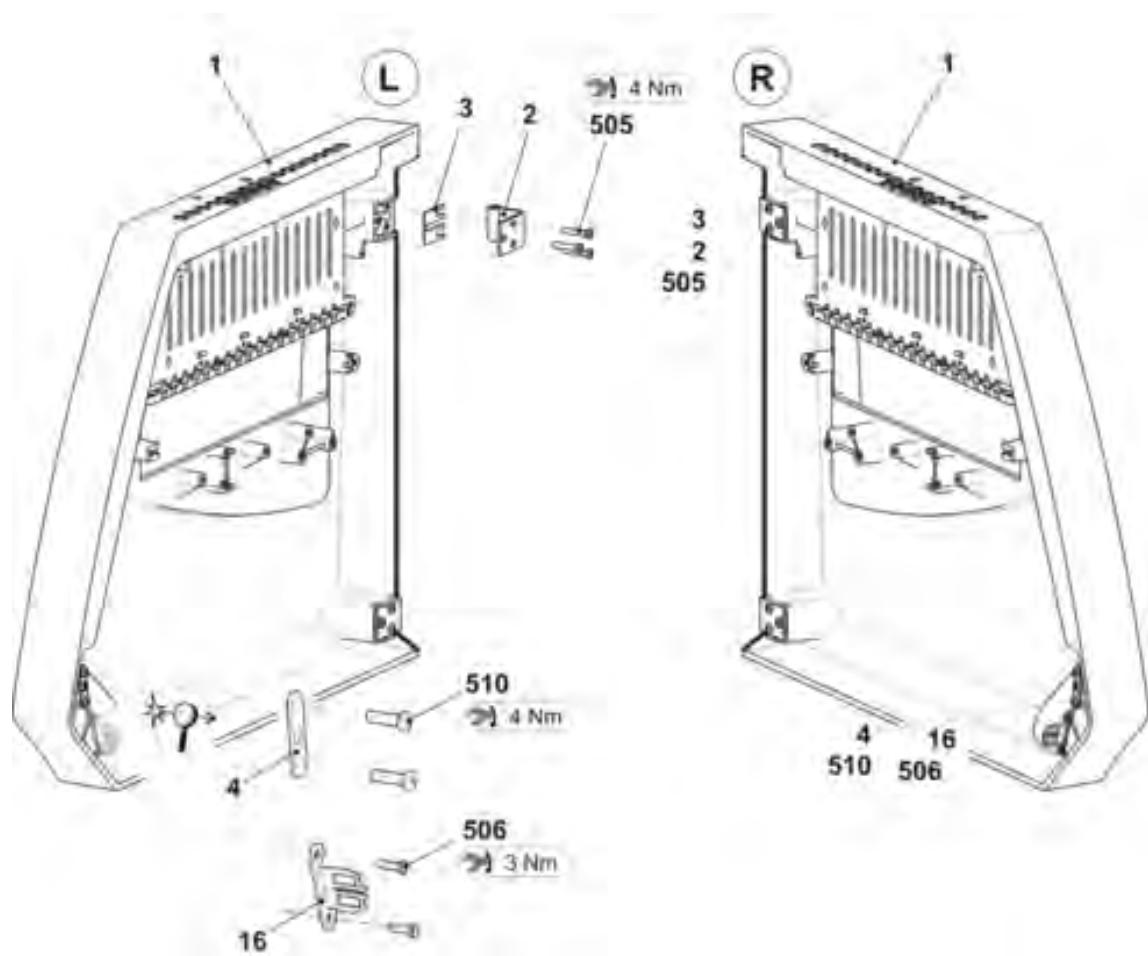
## 12 Protective units



## 12.1 Lateral safety covers

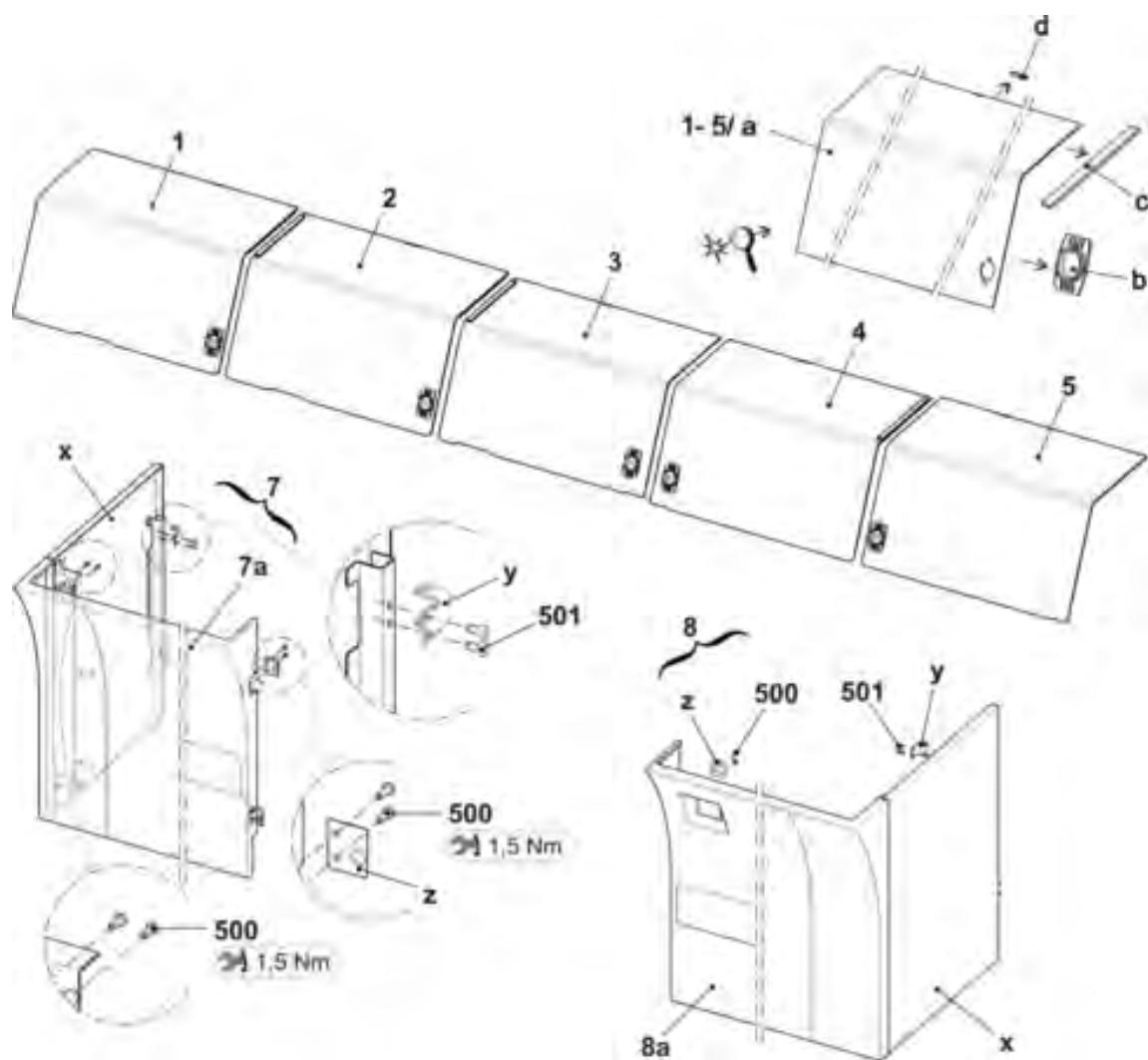
## 12.1 Lateral safety covers

Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Safety cover on the left			$\Sigma$	Safety cover on the right	
1	Safety cover on the left	250 562		1	Safety cover on the right	250 563
2	Hinge	241 994		2	Hinge	241 994
3	Plate	224 717		3	Plate	224 717
4	Locking plate	219 748		4	Locking plate	219 748
16	Operator AZ 15/16	255 492		16	Operator AZ 15/16	255 492
505	Screw KB 60x30	237 683		505	Screw KB 60x30	237 683
506	Screw KB40x14	241 358		506	Screw KB40x14	241 358
510	Screw KB 60x20	237 682		510	Screw KB 60x20	237 682



## 12.2 Panelling

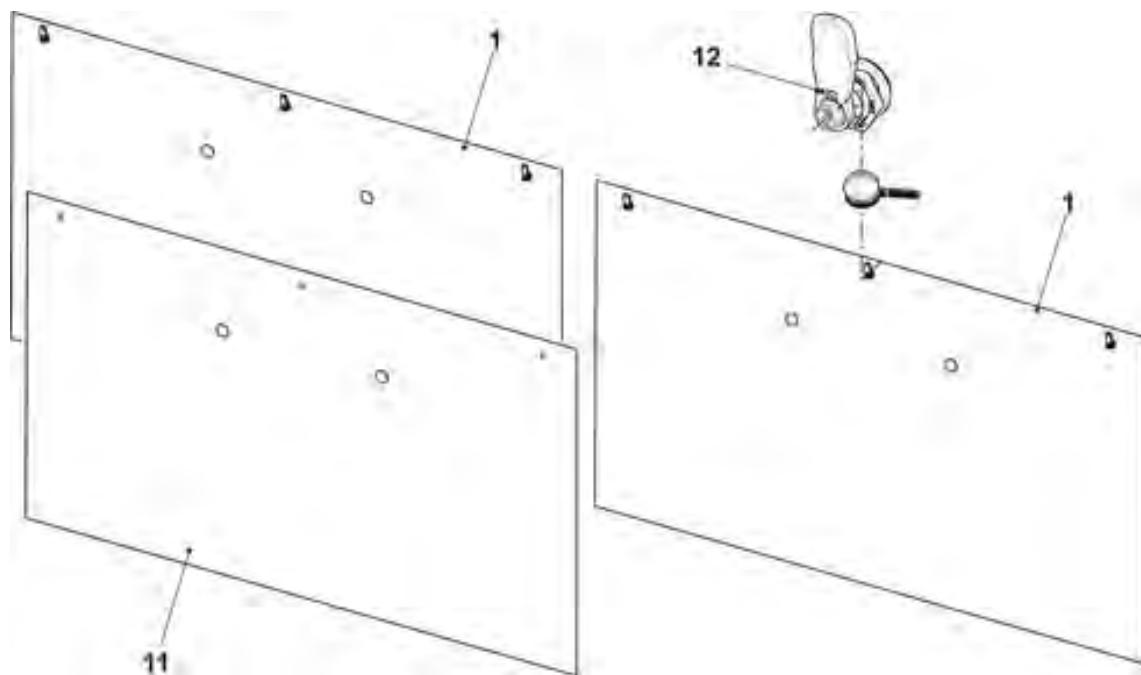
Pos	Designation	Id	Pos	Designation	Id	
1	Cover 1 (complete)	257 532	1-5	b	Inlet type handle	251 376
1a	Cover 1	257 527		c	Stripper	219 393
2	Cover 2 (complete)	257 533	7	d	Magnet	255 129
2a	Cover 2	257 528		Control unit panelling on the left complete	251 237	
3	Cover 3 (complete)	257 534	7a	Control unit panelling on the left	251 190	
3a	Cover 3	257 529		Control unit panelling on the right complete	251 238	
4	Cover 4 (complete)	257 535	8	Control unit panelling on the right	251 191	
4a	Cover 4	257 530		x	Side part	244 989
5	Cover 5 (complete)	257 536	y	Hinge	250 273	
5a	Cover 5	257 531		z	Strap	240 412
			500	Screw KB 50x12	240 359	
			501	Cap screw M6x16	020 135	



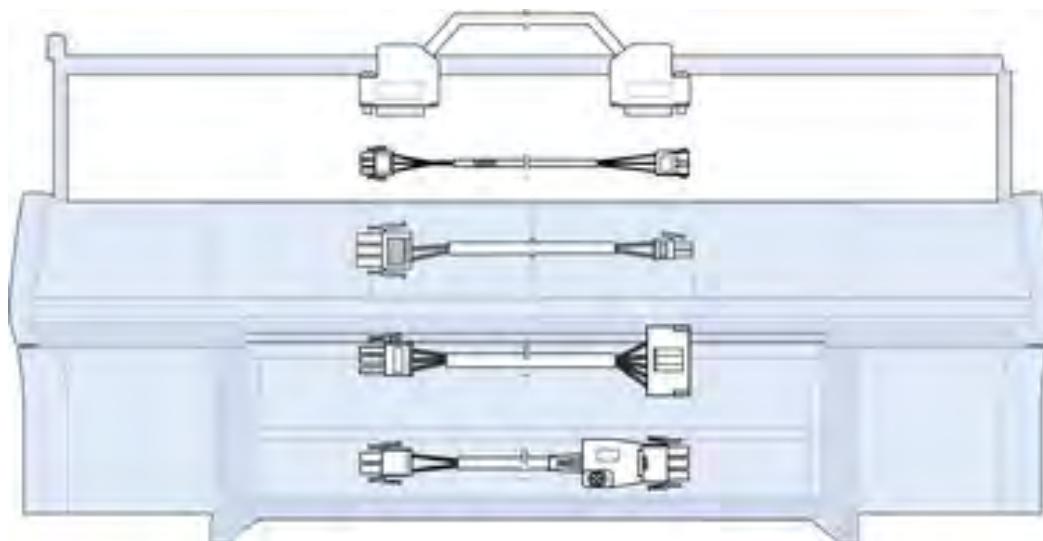
## 12.3 Rear panel

## 12.3 Rear panel

Pos	Designation	Id		Pos	Designation	Id
1	Panelling at the rear complete	251 571		11	Panelling	251 570
				12	Safety sash fastener	243 052

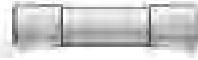


## 13 Electrical equipment



## 13.1 Fuses

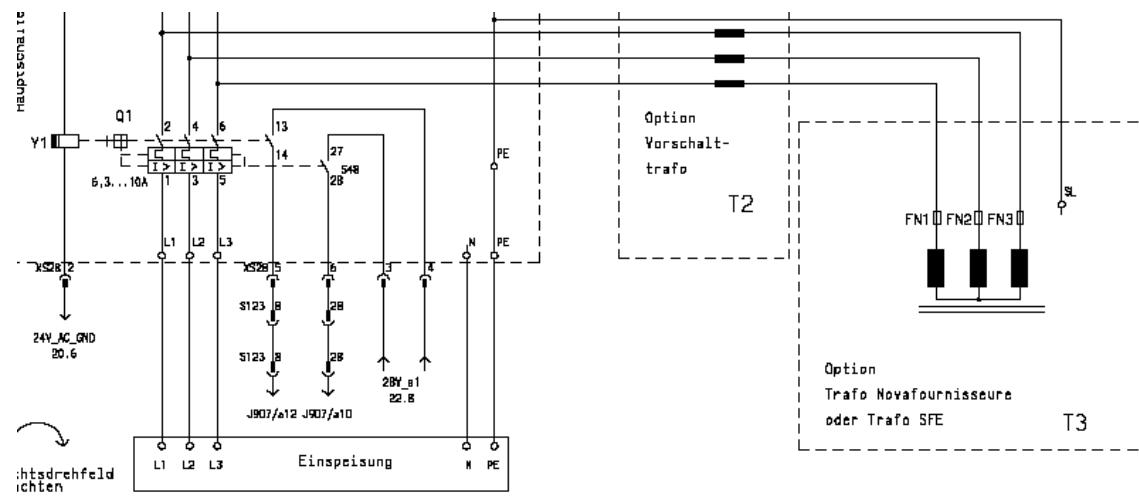
## 13.1 Fuses

Designation	Ident No.
	Fuse 1.0A F 5x20 008 748
	Fuse 3.15A T/440V 6.3x32 025 261
	Fuse 10A T/440V 6.3x32 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 6.3x32 241 866
	Fuse 12.5A T/440V 6.3x32 232 367

## 13.2 Circuit diagram (221) as PDF

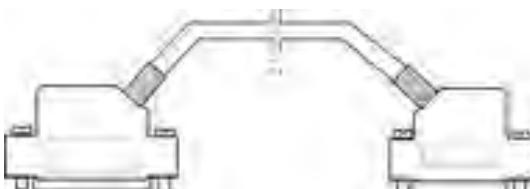
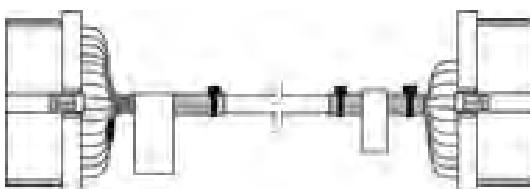
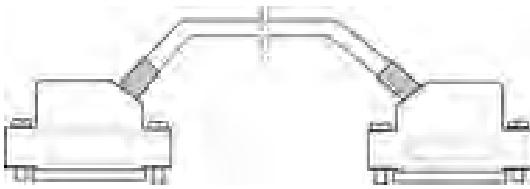
Designation	Id	Marking
Circuit diagram 221 German	257 279	_DE
Circuit diagram 221 English	257 279	_GB
Circuit diagram 221 Chinese	257 279	_CN

You will find the circuit diagram 221 on the CMS documentation DVD with the ID 257 157

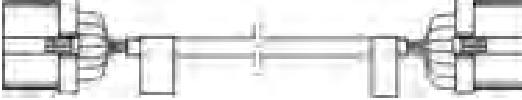
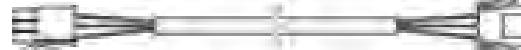
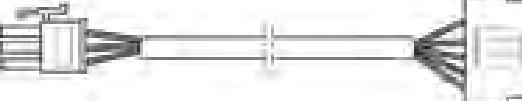
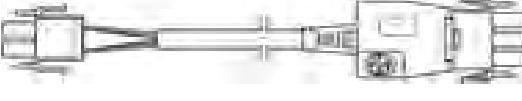
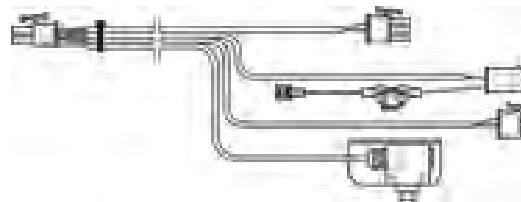


## 13.3 Trailing cable

### 13.3 Trailing cable

Designation	Id	Designation	Id
Cable impulse giver at the rear on the right XL136	242 285	Cable SM rear left XL321	255 195
Cable impulse giver at the front on the right XL137	242 286	Cable SM front left XL323	255 197
Cable impulse giver at the rear on the left XL138	242 287	Cable SM rear right XL325	255 199
Cable impulse giver at the front on the left XL139	242 288	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
			

## 13.4 Cable

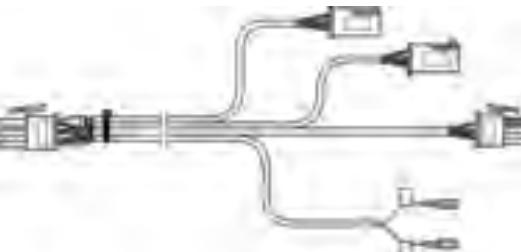
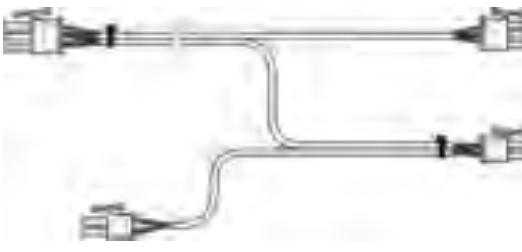
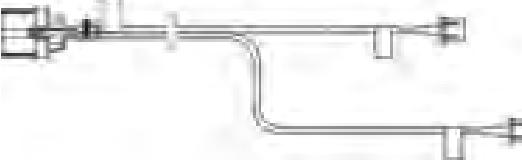
Designation	Id	Designation	Id
Cable Engaging rod	240 289	Cable mains supply FKE lamp	240 290
			
Cable protective unit on the left	253 442	Cable motor HIAB	240 291
			
Cable limit switch racking	240 292	Cable ventilator drive	240 293
			
Cable Feed wheel on the right	240 294	Cable Drive motor	240 295
Cable Feed wheel on the left	240 466	Cable Racking motor	240 297
			
Cable resolver drive	240 296	Cable protective unit on the right	253 441
Cable resolver racking	240 298		
		Cable Electro	240 463
Cable CAN	240 461		
			

## 13.5 Continuation of cable I

## 13.5 Continuation of cable I

Designation	Id	Designation	Id
Cable motor HIAB	242 226	Cable switch HIAB	242 227
Cable power supply WAZ/F	240 471	Cable power supply SERVO	240 504
Cable power supply unit of mains supply	240 505	Cable power supply lighting	240 507
Cable motor HAAB OEF/S	242 228	Cable switch HAOS	242 229
Cable switch HIAB	240 593	Cable motor HIAB	240 592
Cable power supply FLENT	251 243	Cable motor comb hook	240 308

## 13.6 Continuation of cable II

Designation	Id	Designation	Id
Cable switch KAHA	240 309	Cable motor comb	240 310
			
Cable switch comb	240 311	Cable switch HAAB	240 312
			
Cable piezo NB	240 518		
			

13.6 Continuation of cable II

Notes:

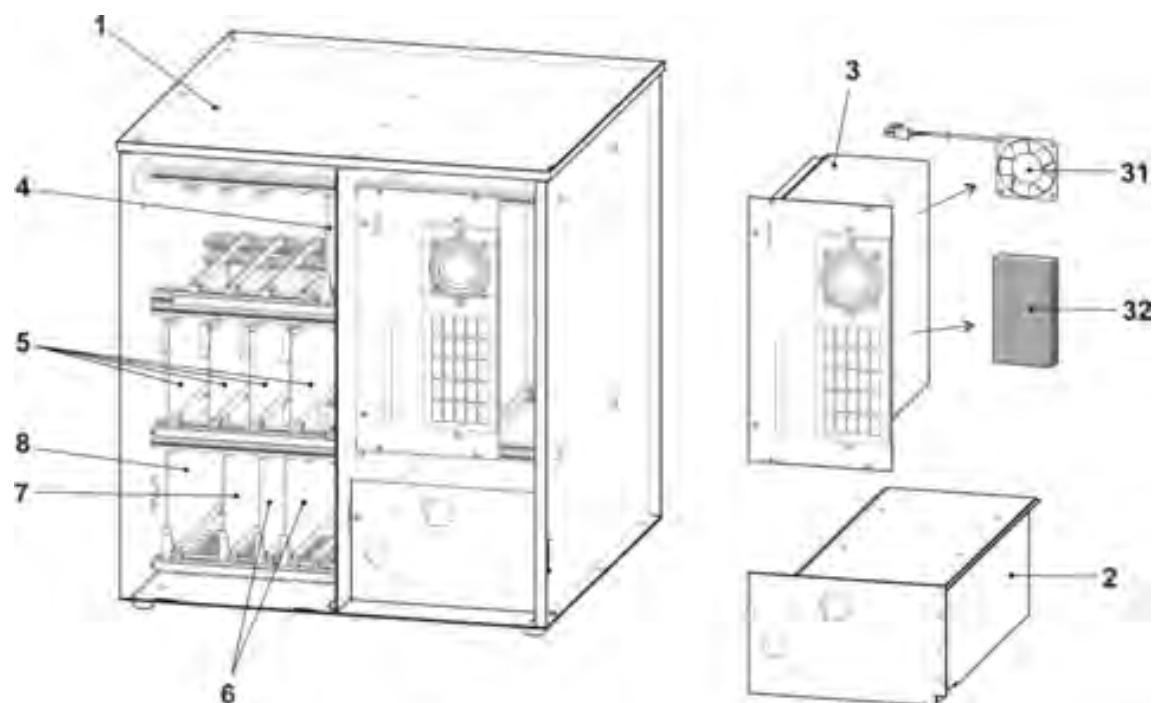
## 14 Control electronics



## 14.1 Left control cabinet

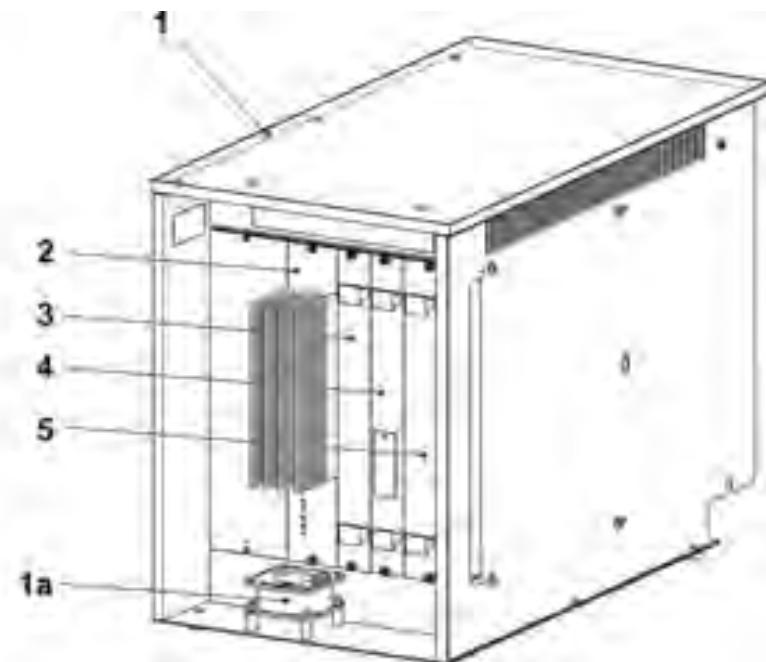
## 14.1 Left control cabinet

Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	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	Filtermatte CG54	239 350	8	Card IPC P8X B	301 010



## 14.2 Right control cabinet

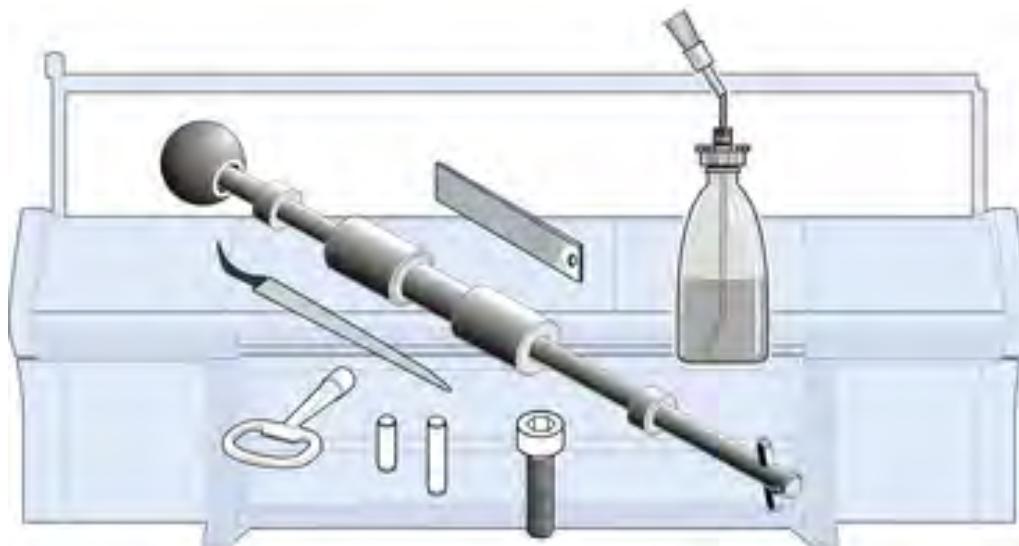
Pos	Designation	Ident No.	Pos	Designation	Ident No.
$\Sigma$	Control unit on the right complete	238 738	3 4 5	Card relay	300 953
1	Control unit on the left without any equipment	238 737		Card CWAZ	300 929
1a	Axial fan Servo 5	229 059		Card CWAZ capacitor	300 936
2	Card servo 6	301 000			



14.2 Right control cabinet

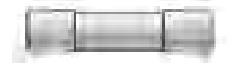
Notes:

## 15 Deliverable accessories



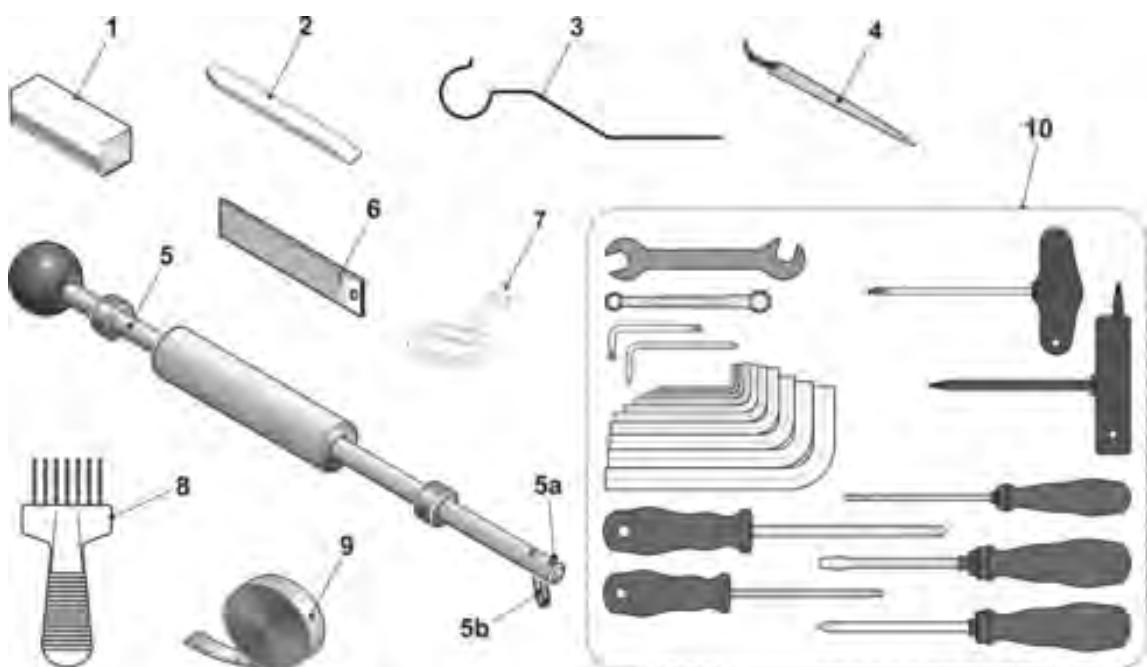
## 15.1 Fuses

## 15.1 Fuses

	Designation	ID
	Visible type fuse F1.0 A	008 748
	Fuse 3.15 A T/440V 6.3x3.2	025 261
	Fuse 10 A T/440V 6.3x3.2	025 258
	Fuse 2.5 A T/440V 6.3x3.2	217 465
	Fuse 1.6 A T/440V 6.3x3.2	236 229
	Fuse 6.3 A T/440V 6.3x3.2	026 809
	Fuse 8 A T/440V 6.3x3.2	241 866
	Fuse 12.5 A TT 6.3x3.2	232 367

## 15.2 Tool

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



## 15.3 Lubricating stuff

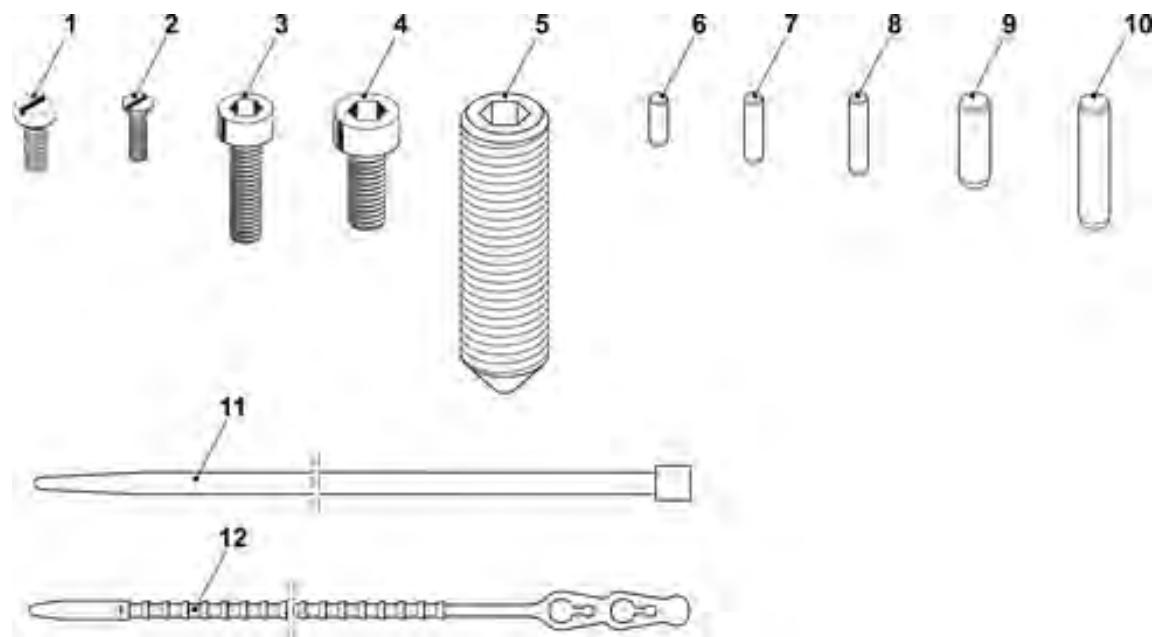
## 15.3 Lubricating stuff

Pos	Designation	Ident No.		Pos	Designation	Ident No.
1	Textile machines oil T46, 1l	230 614		4	Oil combifix	216 732
2	Grease OKS 475, 1kg	009 200		5	White grease paste OKS270	229 372
3	Grease OKS 475, 150g	005 351		6	Grease Staburags NBU 12/300KP	231 191



## 15.4 Mechanical parts

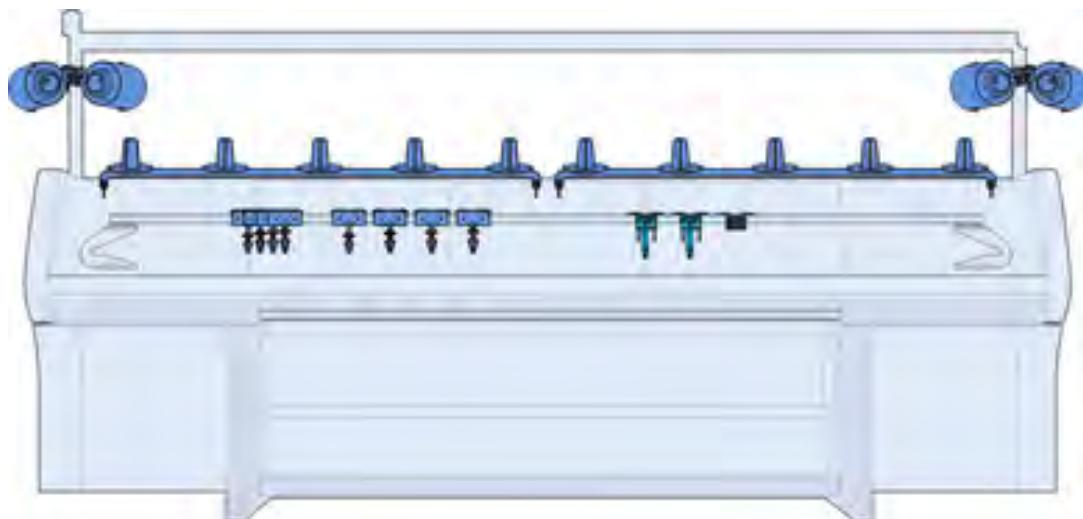
Pos	Designation	Ident No.		Pos	Designation	Ident No.
1	Cap screw M4x8	020 091		11	Cable binder 203x3.6 mm	025 815
2	Countersunk screw M3x6	020 286			Cable binder T50L	026 294
3	Cap screw M5x16	022 726			Cable binder 140x3.6mm	008 379
4	Cap screw M6x14	022 658			Cable binder 302x4.8mm	008 642
5	Set screw M16x50	023 235			Cable binder 92x2.4mm	008 378
6	Setting pin 3x7	020 643		12	Reusable tie ABV 232 320 mm	026 557
7	Setting pin 3x10	020 645				
8	Setting pin 3x12	020 647				
9	Setting pin 5x12	021 988				
10	Setting pin 5x18	022 622				



15.4 Mechanical parts

Notes:

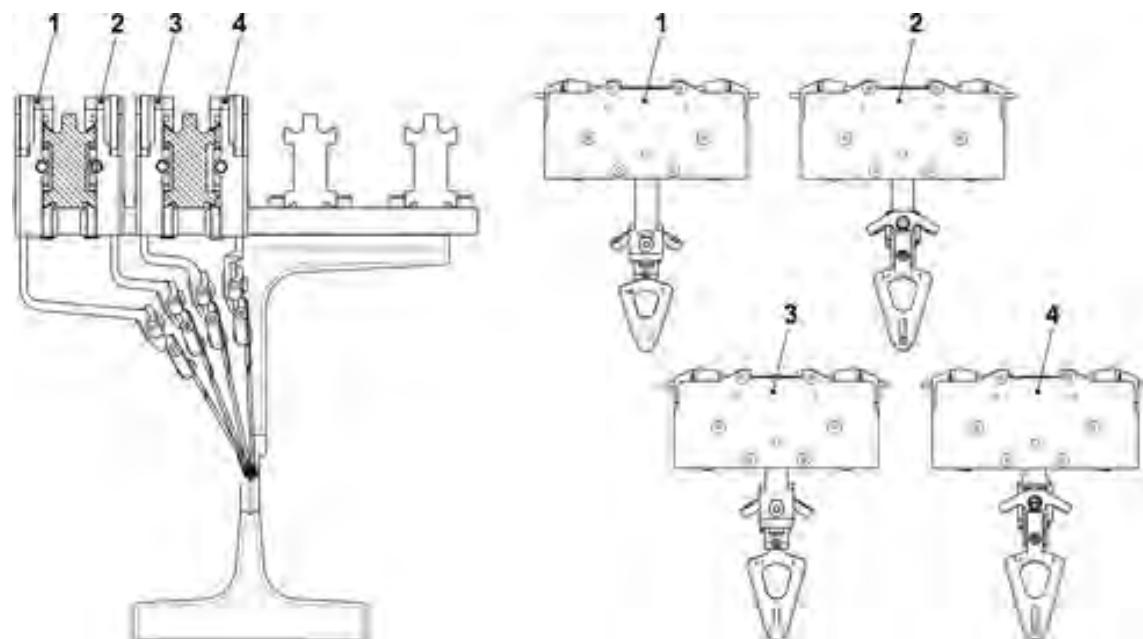
## 16 Special attachments



## 16.1 Complete intarsia yarn carriers type 1

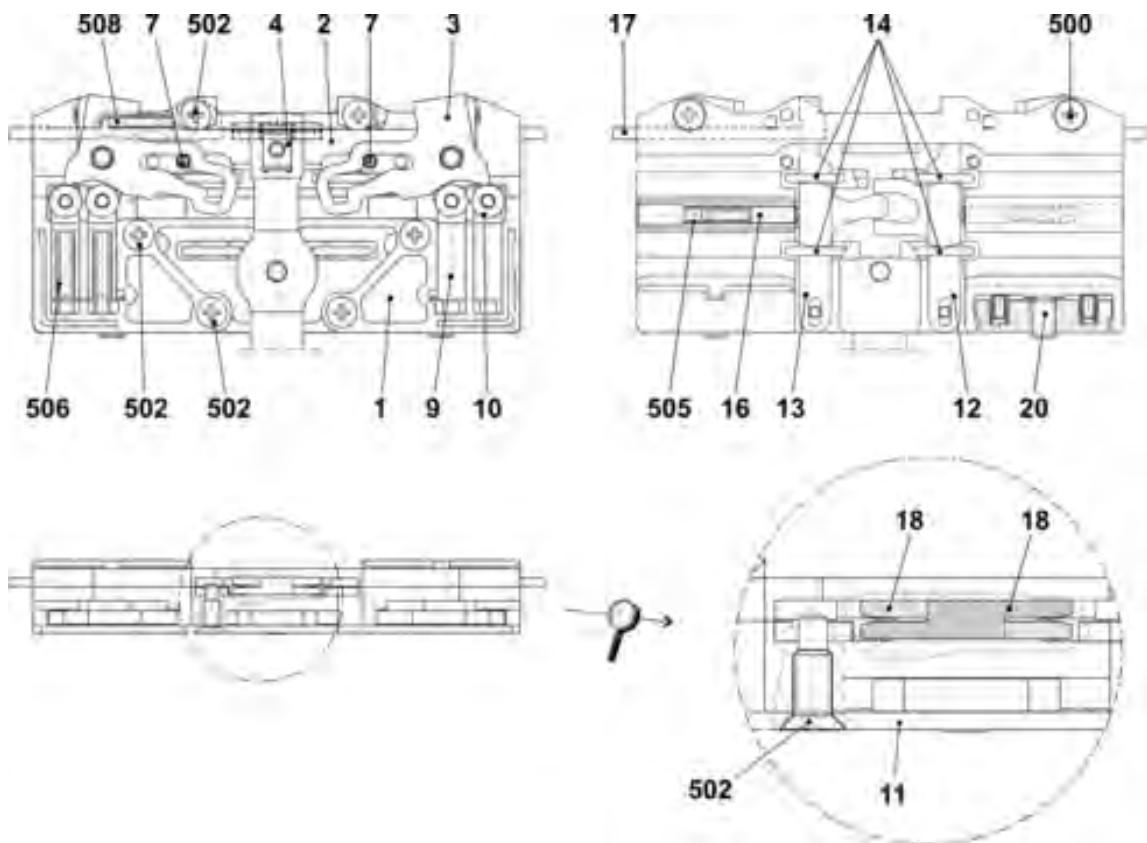
## 16.1 Complete intarsia yarn carriers type 1

Designation	Gauge	Track	Pos	Id		Designation	Gauge	Track	Pos	Id
IYC carriage complete	E2,5,2	1   8	1	212 974						
		2   7	2	212 977						
		3   6	3	212 980						
		4   5	4	212 983						



### 16.1.1 Carriage IYC

Pos	Designation	Id		Pos	Designation	Id
1	Basic plate complete	216 031				
20	Threaded bolt	213 399		14	Pressure plate 2.04	201 654
2	Slider complete	217 170			Pressure plate 2.06	208 924
3	Locking plunger	212 508			Pressure plate 2.02	235 740
4	Sliding block	213 807		16	Spring pin	201 677
7	Locating pin 3.3	212 504		17	Lifter	212 547
	Locating pin 3.4	212 505		18	Sliding part	212 543
	Locating pin 3.3	212 506		20	Threaded bolt	213 399
9	Thrust piece	212 773		500	Countersunk head screw M4x6	022 994
10	Pressure roller	212 774		502	Countersunk head screw M4x12.5	022 979
11	Cover	212 507		505	Compression spring 0,4x3,2x26,5	022 982
12	Clamping lever on the right	216 087		506	Compression spring 4.0x0.7x25	022 969
13	Clamping lever on the left	216 0 88		508	Compression spring 2,8x0,35x19	023 394

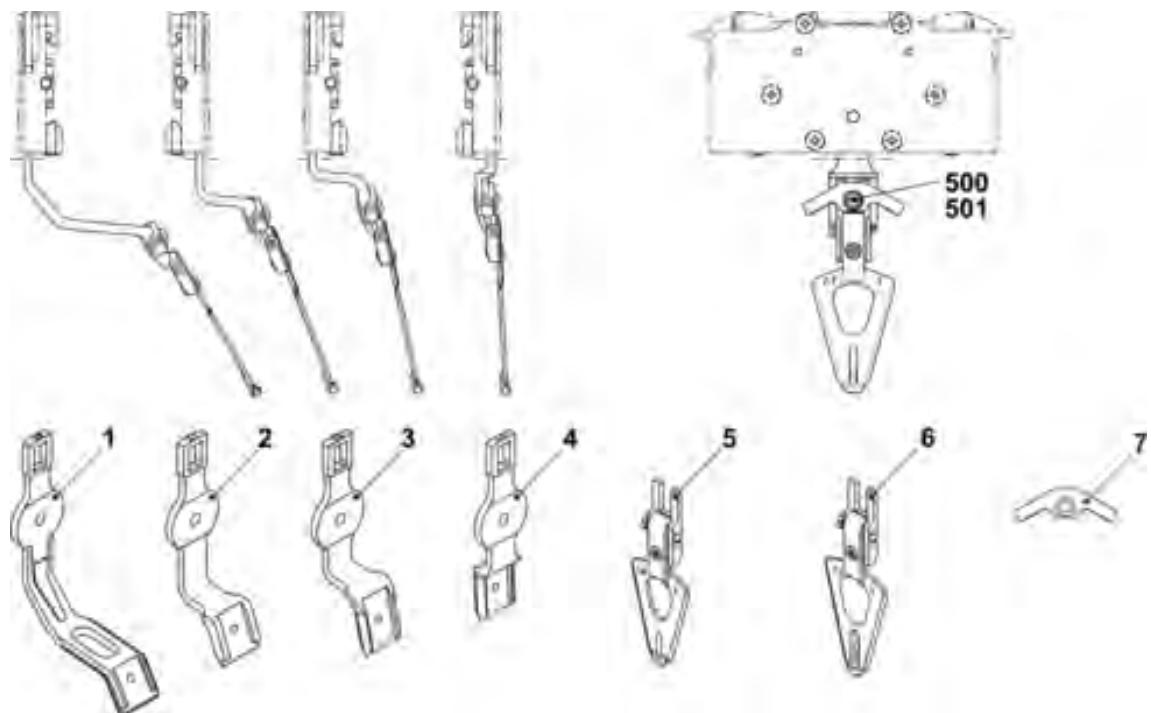


## 16.1 Complete intarsia yarn carriers type 1

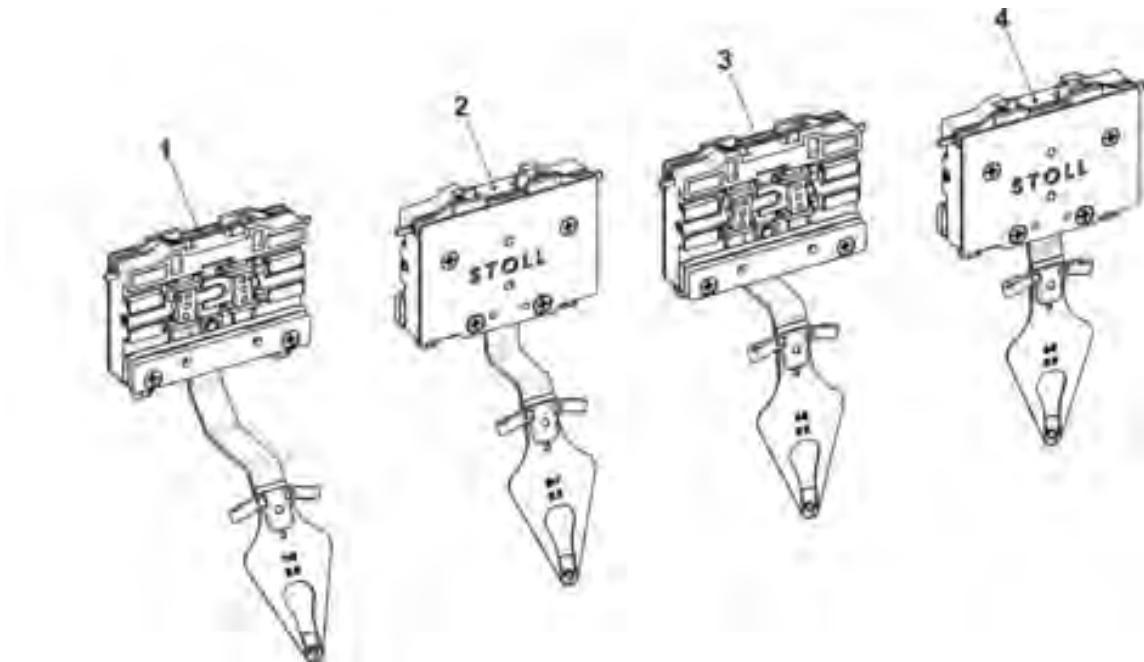
## 16.1.2 Bow and head IYC

Pos	Designation	Id		Pos	Designation	Id
1	YC bow 1+8	212 986		7	Yarn guide angle	201 672
2	YC bow 2+7	212 987		500	Countersunk screw M4x8	023 579
3	YC bow 3+6	212 988		501	Circlip S4-FST	022 774
4	YC bow 4+5	212 989				

Pos	Designation	Gauge	Track	Id		Pos	Designation	Gauge	Track	Id
5	YC head	E2,5,2	1   8	208 579		6	YC head	E2,5,2	2   7 3   6 4   5	208 581



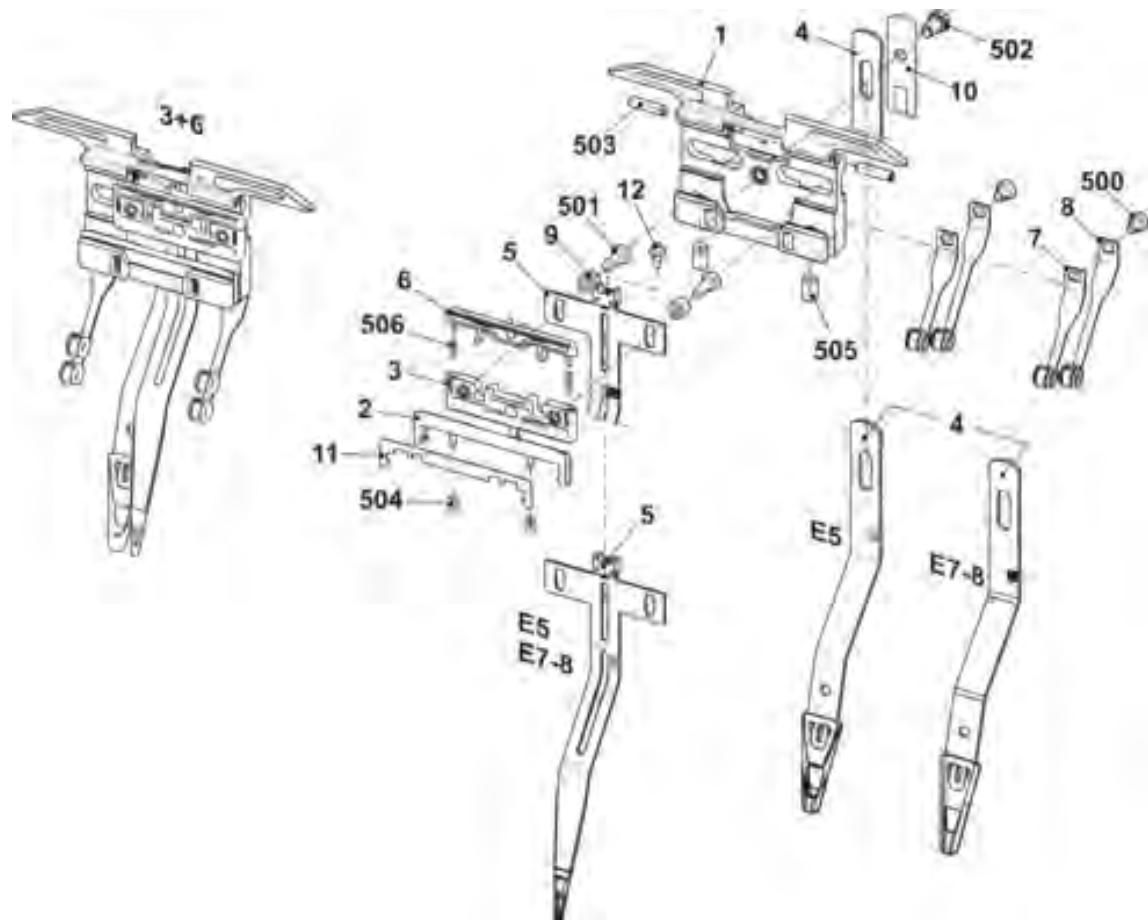
Designation	Gauge	Track	Pos	Id		Designation	Gauge	Track	Pos	Id
IYC carriage complete	E5 E 3.5.2 E5.2	1   8	1	250 319		IYC carriage complete	E7 E8	1   8	1	250 323
		2   7	2	250 320				2   7	2	250 324
		3   6	3	250 321				3   6	3	250 325
		4   5	4	250 322				4   5	4	250 326



## 16.3 Plating yarn carrier 3+6

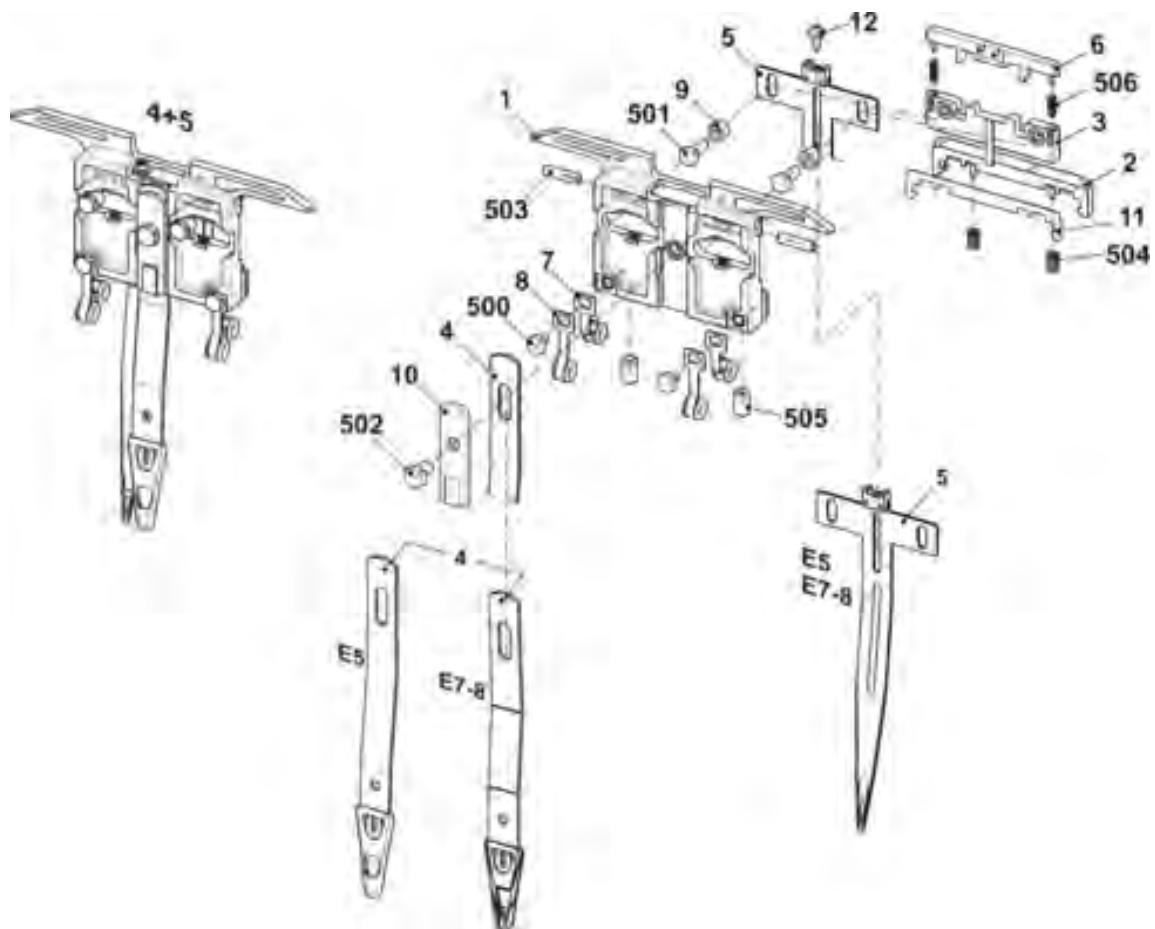
### 16.3 Plating yarn carrier 3+6

Pos	Designation	Id		Pos	Designation	Id
<b>Σ</b>	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	Spacer	252 796
	E7   E8	252 784		10	Shim 0.2x12x75	213 035
1	Plating yarn carrier carriage	252 806		11	Shim 0.2x12x75	216 143
2	Sliding piece	212 583		12	Adjusting screw	253 436
3	Slider	252 798		500	Hexagon screw M6x16	243 779
<b>4</b>	Plating yarn carrier bow 3+6			501	Hexagon screw M4x10	020 346
	E5	252 820		502	Hexagon screw	252 832
	E7-8	252 821		503	Set screw 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



## 16.4 Plating yarn carrier 4+5

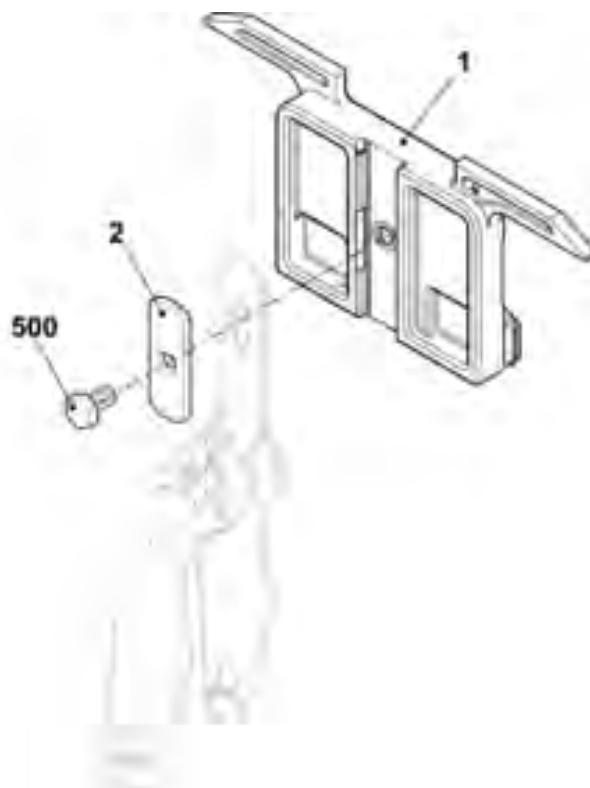
Pos	Designation	Id	Pos	Designation	Id
<b>Σ</b>	Plating yarn carrier carriage 4+5 complete		8	Eyelet holder complete	252 816
	E5   E2,5.2   E3,5.2   E5.2	252 781	9	Spacer	252 796
	E7   E8	252 783	10	Shim 0.2x12x75	213 035
1	Plating yarn carrier carriage	252 806	11	Shim 0.2x12x75	216 143
2	Sliding piece	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screw M6x16	243 779
4	Plating yarn carrier bow 4+5		501	Hexagon screw M4x10	020 346
	E5	252 790	502	Hexagon screw	252 832
	E7-8	252 791	503	Set screw 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



## 16.5 Carriage of plating yarn carrier (46 mm)

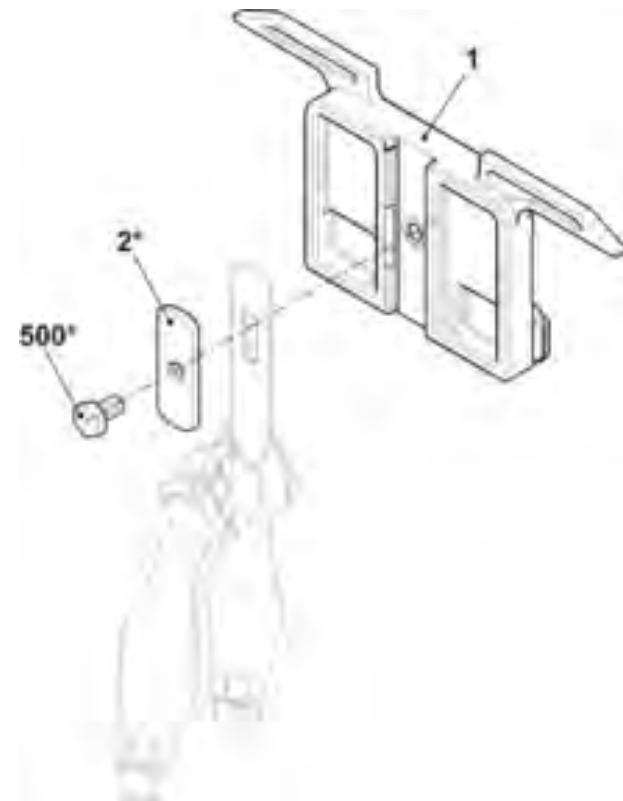
## 16.5 Carriage of plating yarn carrier (46 mm)

Pos	Designation	ID No.		Pos	Designation	ID No.
$\Sigma$	Plating yarn carrier E5-18	244 998		2	Shim	213 035
1	YC carriage MW46	244 253		500	Hexagon screw M5x10	020 351



## 16.6 Carriage of plating yarn carrier (43 mm)

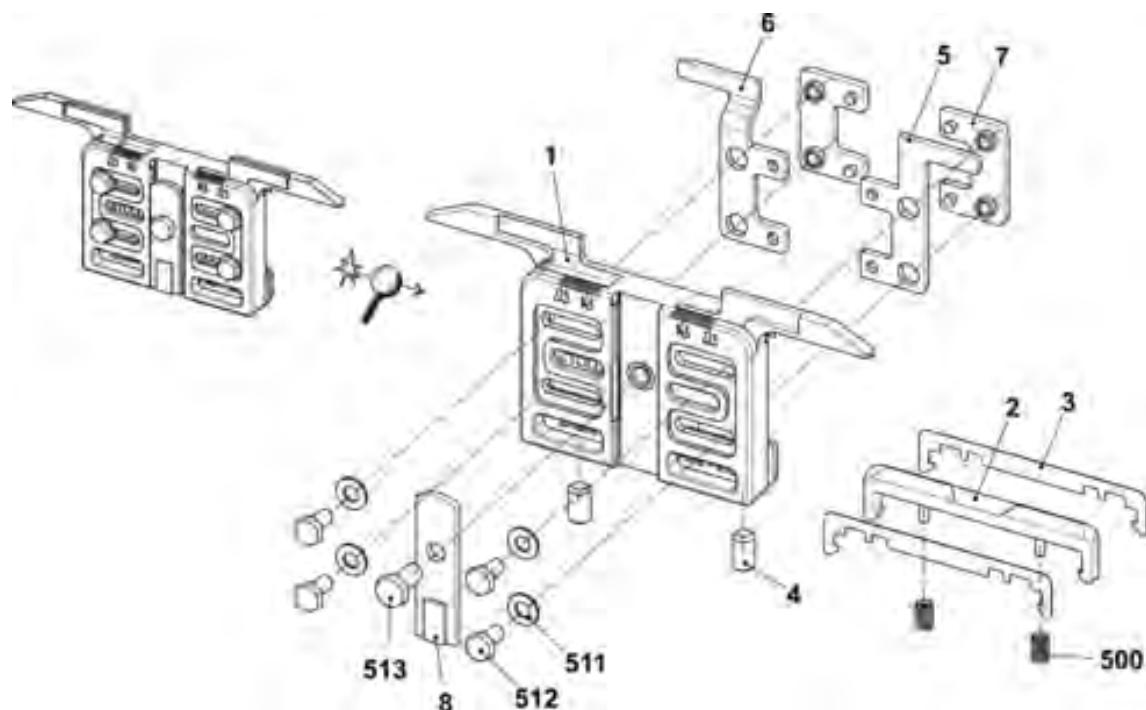
Pos	Designation	Ident No.		Pos	Designation	Ident No.
1	Plating YC carriage complete EW 43	257 241		500*	Hexagonal screw M5x10	020 351
2*	Shim 0,03x11x80	213 035				



## 16.7 Carriage of plating yarn carrier (adjustable)

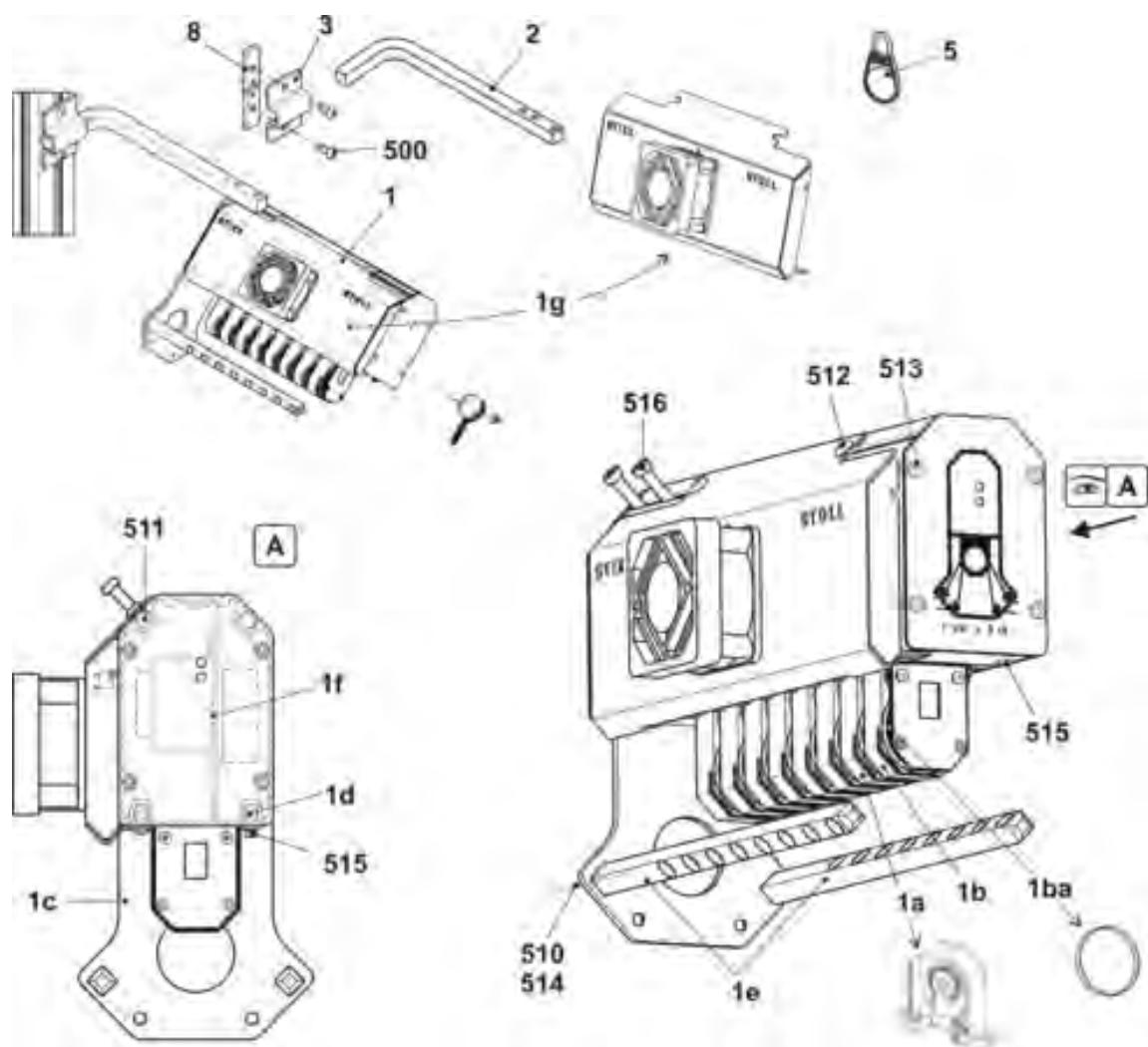
## 16.7 Carriage of plating yarn carrier (adjustable)

Pos	Designation	Ident No.		Pos	Designation	Ident No.
$\Sigma$	Plating yarn carrier carriage complete	251 867				
1	Carriage of yarn carrier	251 864		7	Guiding part	253 226
2	Sliding piece	212 583		8	Shim 0,03x11x80	213 035
3	Shim 0,03x11x80	216 143		500	Compression spring	021 399
4	Threaded bolt	213 399		511	U-washer 4	022 481
5	Insert on the right	251 866		512	Hexagon screw M4x8	022 461
6	Insert on the left	251 865		513	Hexagon screw M5x10	020 351



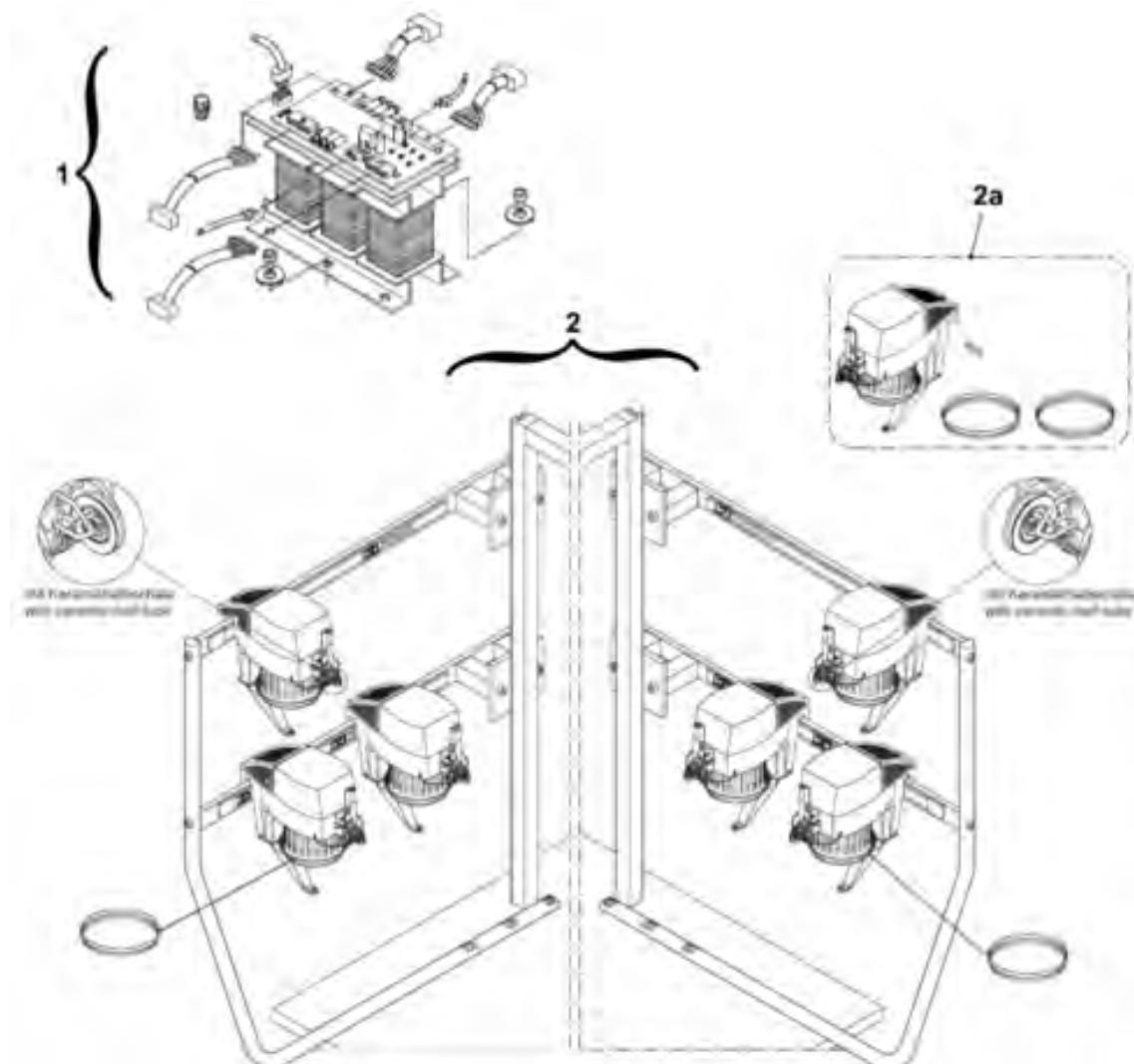
## 16.8 STIXX device

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	STIXX device	228 943		511	Spring nut M5	022 873
1	Yarn length measuring device	236 275		512	Pan-head screw M5x6	023 246
1a	Sensor	211 354		513	Sheet metal screw ST3.5x13	022 940
1b	Sensor complete	212 406		514	Spring washer A5	022 454
1ba	Rubber running ring	258 582		515	Oval head screw with washer M3x10	023 380
1c	Support	236 278		516	Cap screw M5x22	023 193
1d	Threaded strip	211 801		2	Support	223 029
1e	Yarn guide rod	211 352		3	Clamp	228 583
1f	Card STIXX-CPU	300 934		5	Adjustment weight	212 241
1g	Fan complete	212 255		8	Threaded strip	200 223
510	Pan-head screw M5x10	023 247		500	Pan-head screw M8x16	023 113



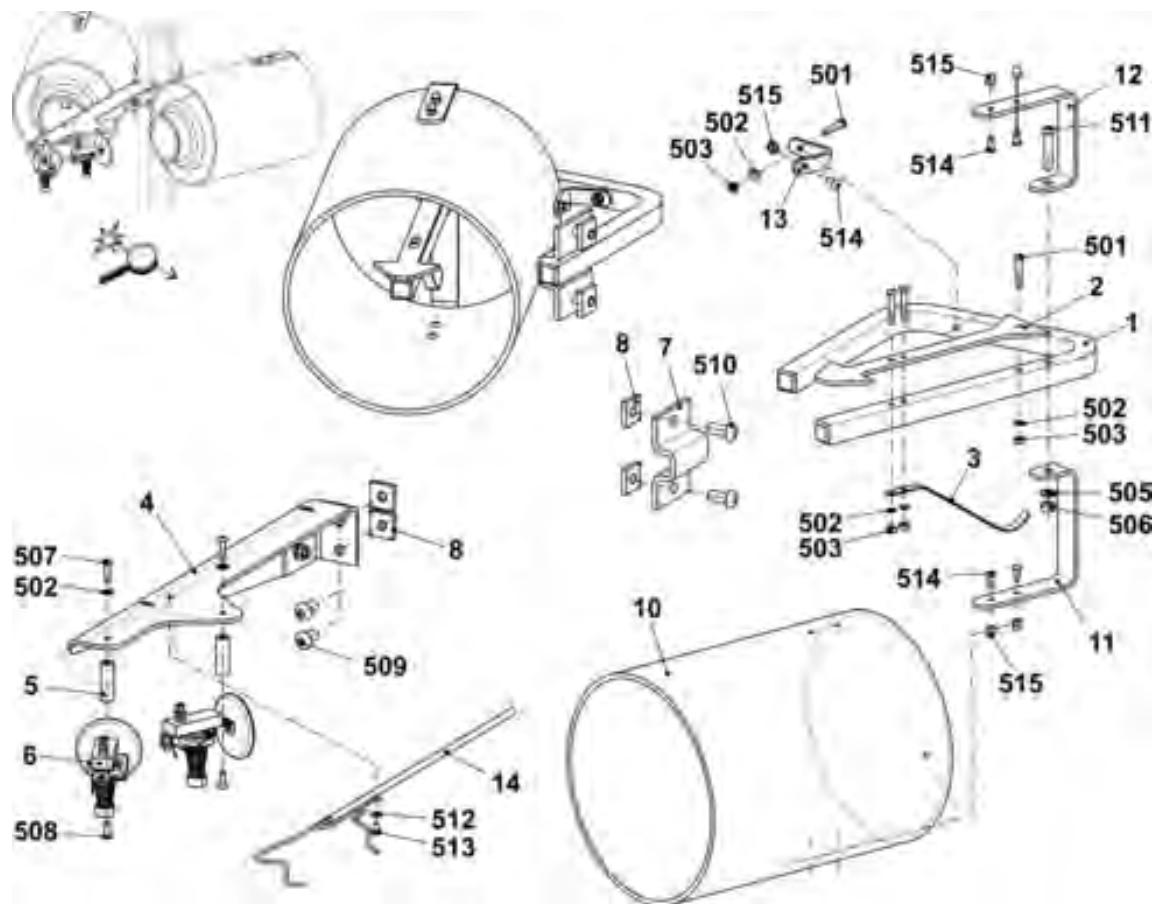
## 16.9 Feed wheel SFE

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



## 16.10 Bobbin holder on the left

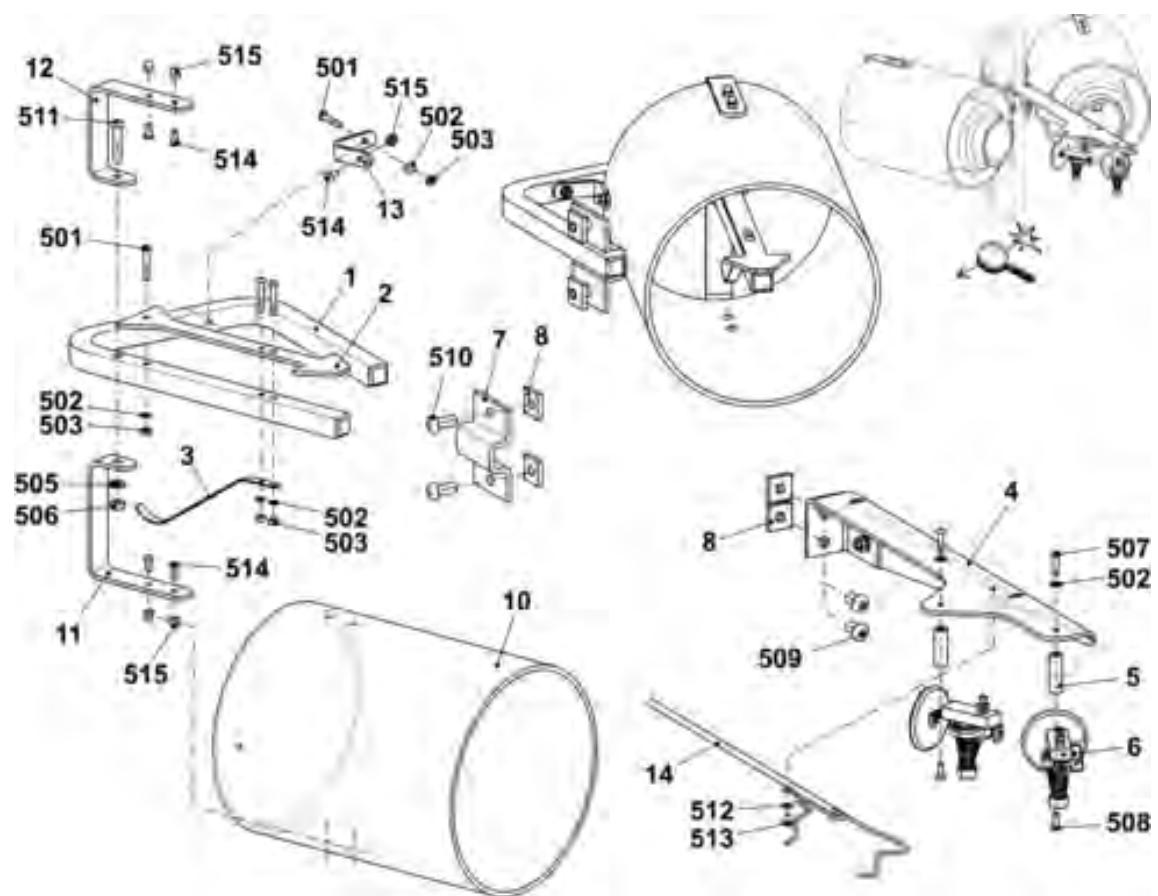
Pos	Designation	Id	Pos	Designation	Id
Σ	Bobbin holder on the left	253 965	501	Countersunk screw M4x25	023 511
1	Support	253 969	502	U-washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	U-washer 6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Countersunk screw M4x16	023 412
6	Yarn detector	226 964	508	Countersunk screw M3x10	023 062
7	Clamp	228 583	509	Countersunk screw M8x16	023 113
8	Sliding block	228 851	510	Countersunk screw M8x18	251 331
10	Cover	253 968	511	Countersunk screw M6x30	023 451
11	Support angle	253 964	512	Serrated lock washer A4.3Serrated lock washer A4.3	022 482
12	Support angle	253 963	513	Countersunk screw M4x6	022 946
13	Support angle	253 967	514	Countersunk screw M4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



## 16.11 Bobbin holder on the right

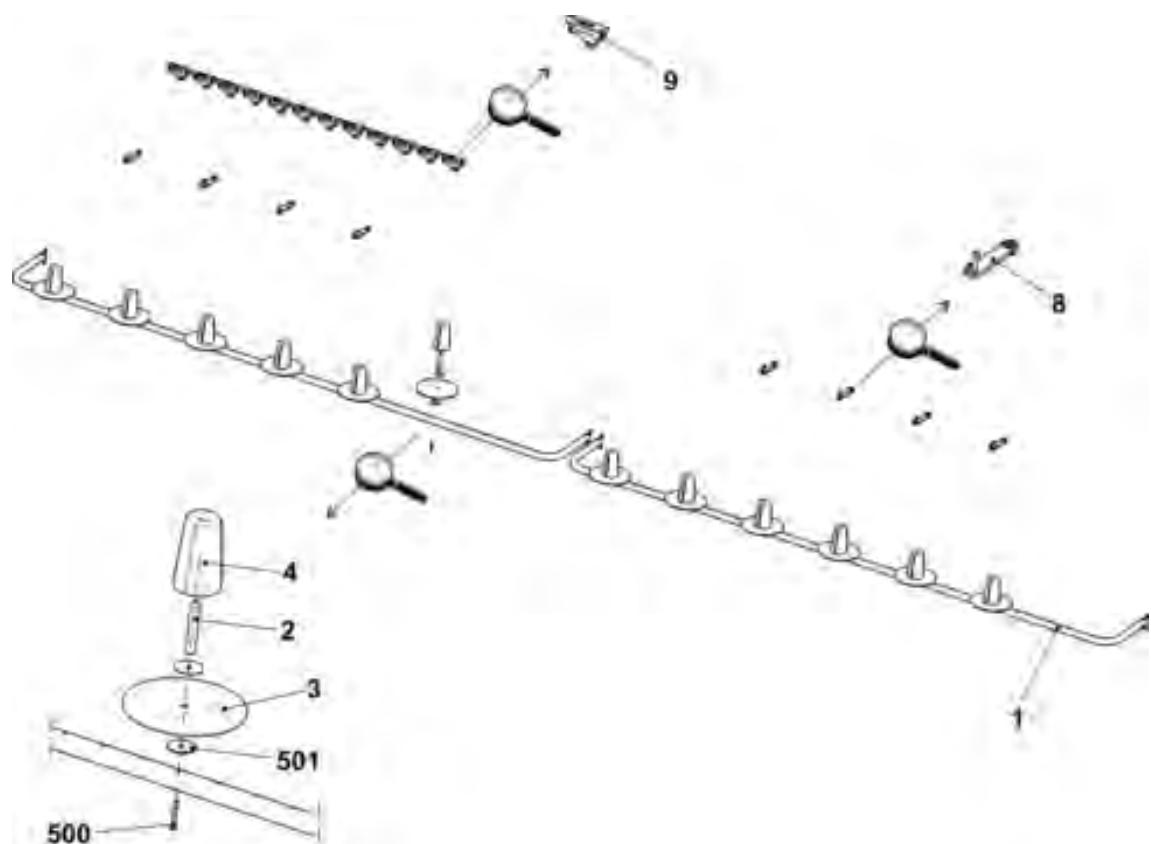
## 16.11 Bobbin holder on the right

Pos	Designation	Id		Pos	Designation	Id
<b>Σ</b>	<b>Bobbin holder on the right</b>	<b>253 966</b>		501	Countersunk screw M4x25	023 511
1	Support	253 969		502	U-washer 4	022 481
2	Support	252 769		503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350		505	U-washer 6	022 431
4	Support right	253 348		506	Hexagon nut M6-6	022 899
5	Spacer	253 349		507	Countersunk screw M4x16	023 412
6	Yarn detector	226 964		508	Countersunk screw M3x10	023 062
7	Clamp	228 583		509	Countersunk screw M8x16	023 113
8	Sliding block	228 851		510	Countersunk screw M8x18	251 331
10	Cover	253 968		511	Countersunk screw M6x30	023 451
11	Support angle	253 964		512	Serrated lock washer A4.3Serrated lock washer A4.3	022 482
12	Support angle	253 963		513	Countersunk screw M4x6	022 946
13	Support angle	253 967		514	Countersunk screw M4x10	023 450
14	Cable plating	253 468		515	Cap nut M4-6	253 805



## 16.12 Additional board at the bottom

Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Additional board at the bottom	253 646	8	Yarn guide	243 765
1	Additional bobbin board welded	253 472		Yarn guide	241 581
2	Positioning pin	202 777		Pan-head screw M4x30	023 681
3	Washer 4.3x7x0.5	062 385		Washer 5.3x30x1.25	023 556
4	Bobbin support	200 363			

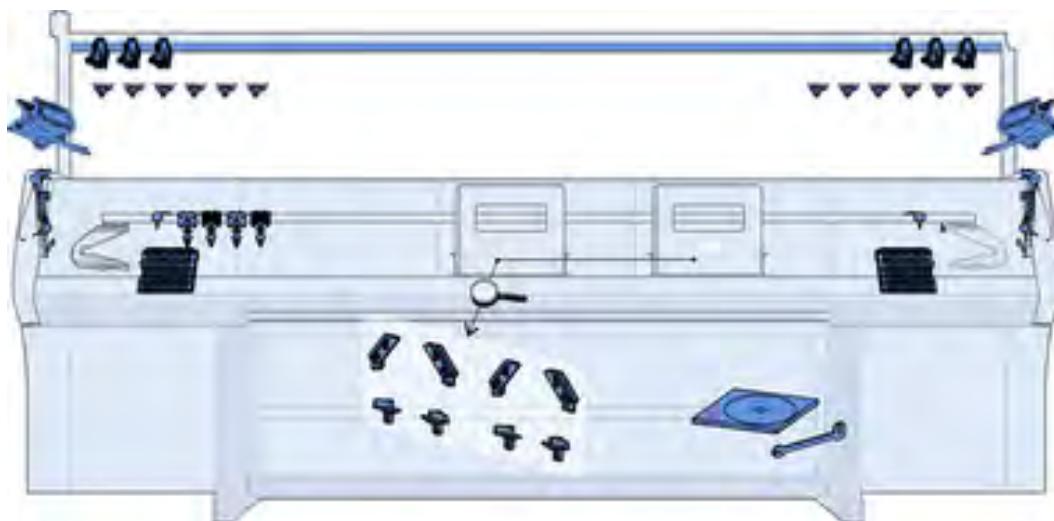


16.12 Additional board at the bottom

Notes:

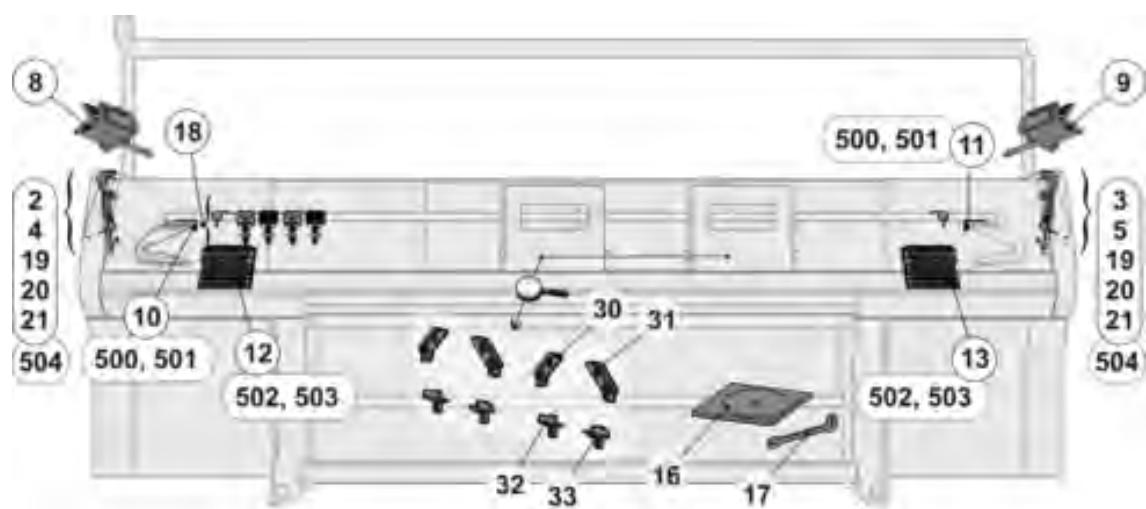
# 17 Conversion kit with 24 and 32 IFF Type 2

	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



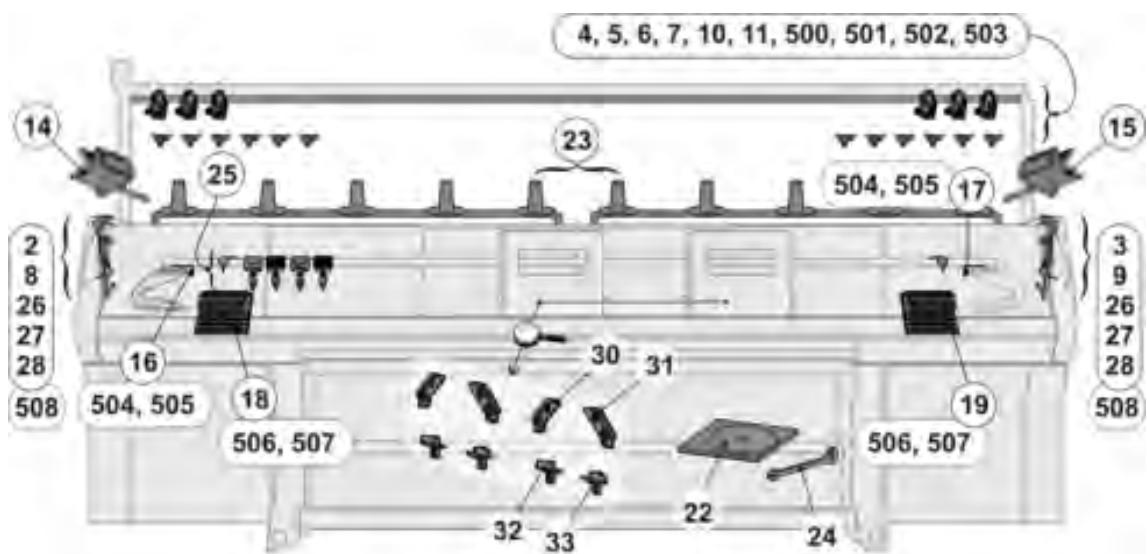
## 17.1 Overview of conversion kit (24 IFF) E5 | E2,5.2 | E3,5.2 | E5.2

Pos	Designation	ID	Pos	Designation	ID
<b>Σ</b>	Conversion kit 24 IFF E5	<b>257 456</b>	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	223 316	21	Ceramic eyelet	240 640
5	Deflector on the right complete	223 049	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
10	Yarn deflector on the left complete	244 517	33	Pressure part receiving on the right short tuck	240 698
11	Yarn deflector on the right complete	244 521	500	Cap screw M6x14	022 658
12	Left clamping and cutting bed E5-8	253 653	501	Washer6	020 881
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



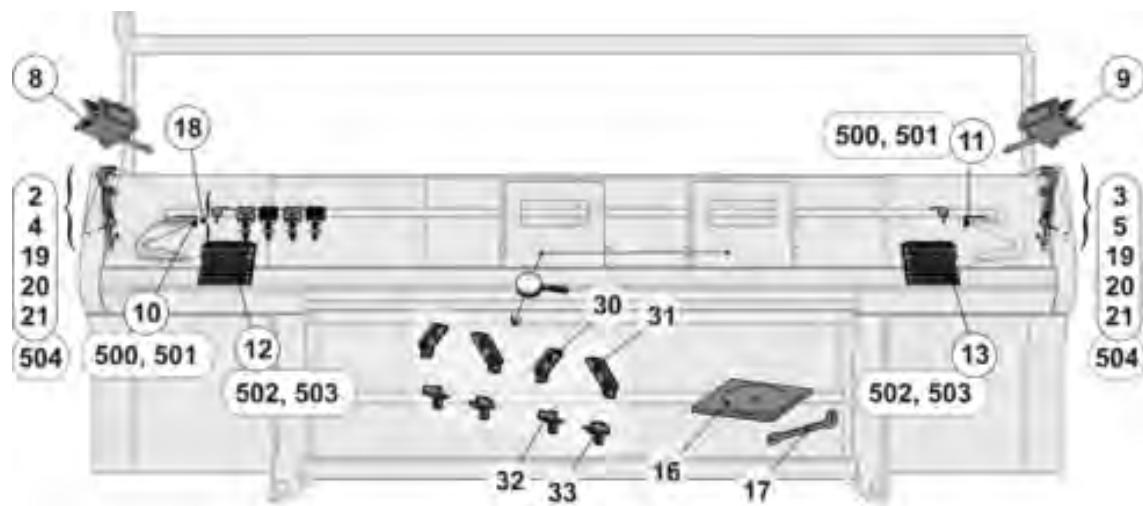
## 17.2 Overview of conversion kit (24 IFF) E7 | E8

Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 24 IFF E7-8	257 457	24	Adjusting part for yarn carrier bow	250 119
2	Yarn tensioner on the left complete E7-8	244 499	25	Yarn guide complete E7-8 IFF 24	256 935
3	Yarn tensioner on the right complete E7-8	244 502	26	Yarn brake complete	244 347
4	Yarn guide bar 84 inch	236 932	27	Clamping bow	244 409
5	Support on the left	243 602	28	Ceramic eyelet	240 640
6	Support on the right	243 603	30	Stitch cam on the left short tuck E7-8	212 057
7	Support	239 295	31	Stitch cam on the right short tuck E7-8	212 056
8	Deflector on the left complete	223 316	32	Pressure part take-over on the left short tuck	240 697
9	Deflector on the right complete	223 049	33	Pressure part take-over on the right short tuck	240 698
10	Yarn control device	237 124	500	Self-locking screw M6x12	023 415
11	Yarn guide bracket complete	241 581	501	Ribbed lock washer M6-10	023 414
14	Friction feed wheel 16 fold on the left complete	244 991	502	Square nut M8	023 269
15	Friction feed wheel 16 fold on the right complete	244 992	503	Countersunk screw M8x16	023 113
16	Yarn deflector on the left complete	244 517	504	Cap screw M6X14	022 658
17	Yarn deflector on the right complete	244 521	505	U-washer 6	020 881
18	Clamping and cutting bed on the left E5-8	253 653	506	Setting pin 6x16	020 677
19	Clamping and cutting bed E5-8 on the right	253 652	507	Screw M6x20	244 824
22	DVD instructions conversion kit IFF	245 169	508	Screw KB60 x 20	237 682
23	Additional bobbin board	241 928			



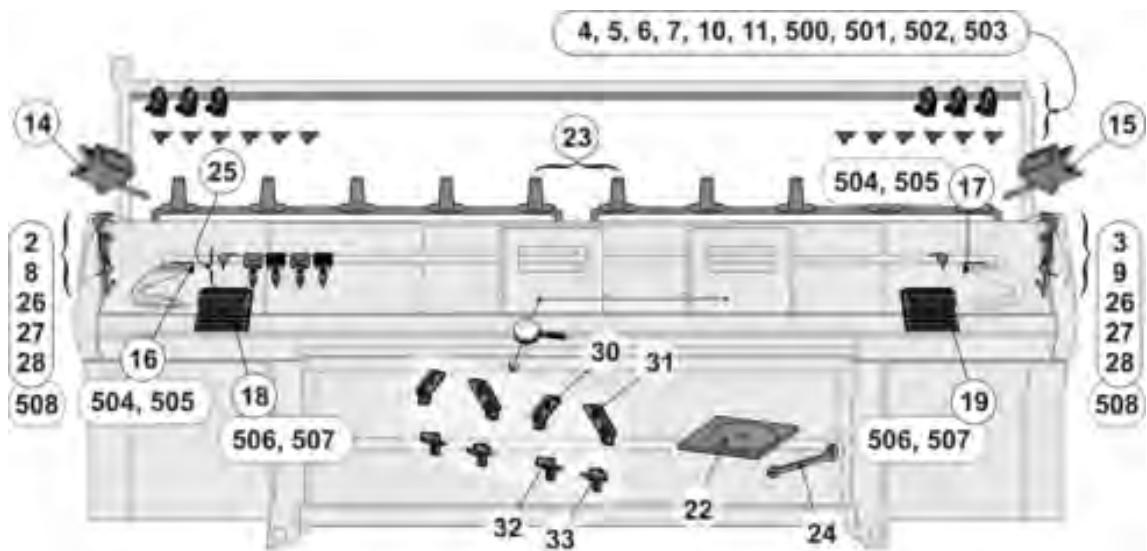
## 17.3 Overview of conversion kit (32 IFF) E5 | E2,5.2 | E3,5.2 | E5.2

Pos	Designation	ID	Pos	Designation	ID
<b>Σ</b>	Conversion kit 32 IFF E5	<b>256 991</b>	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	223 316	21	Ceramic eyelet	240 640
5	Deflector on the right complete	223 049	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
10	Yarn deflector on the left complete	244 517	33	Pressure part receiving on the right short tuck	240 698
11	Yarn deflector on the right complete	244 521	500	Cap screw M6x14	022 658
12	Left clamping and cutting bed E5-8	253 653	501	Washer6	020 881
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



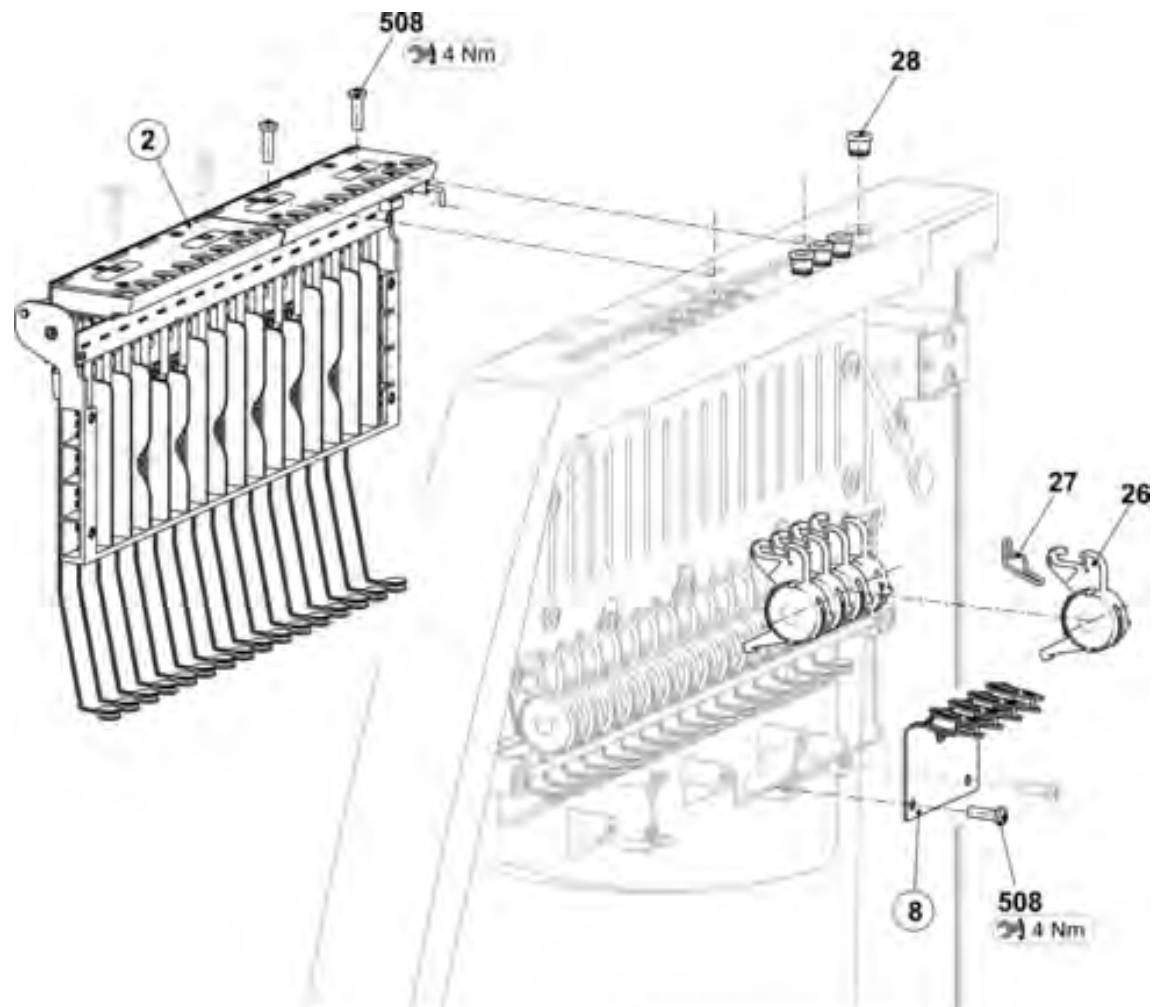
## 17.4 Overview of conversion kit (32 IFF) E7 | E8

Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 32 IFF E7-8	257 387	24	Adjusting part for yarn carrier bow	250 119
2	Yarn tensioner on the left complete E7-8	244 499	25	Yarn guide complete E7-8 IFF	245 162
3	Yarn tensioner on the right complete E7-8	244 502	26	Yarn brake complete	244 347
4	Yarn guide bar 84 inch	236 932	27	Clamping bow	244 409
5	Support on the left	243 602	28	Ceramic eyelet	240 640
6	Support on the right	243 603	30	Stitch cam on the left short tuck E7-8	212 057
7	Support	239 295	31	Stitch cam on the right short tuck E7-8	212 056
8	Deflector on the left complete	223 316	32	Pressure part take-over on the left short tuck	240 697
9	Deflector on the right complete	223 049	33	Pressure part take-over on the right short tuck	240 698
10	Yarn control device	237 124	500	Self-locking screw M6x12	023 415
11	Yarn guide bracket complete	241 581	501	Ribbed lock washer M6-10	023 414
14	Friction feed wheel 16 fold on the left complete	244 991	502	Square nut M8	023 269
15	Friction feed wheel 16 fold on the right complete	244 992	503	Countersunk screw M8x16	023 113
16	Yarn deflector on the left complete	244 517	504	Cap screw M6X14	022 658
17	Yarn deflector on the right complete	244 521	505	U-washer 6	020 881
18	Clamping and cutting bed on the left E5-8	253 653	506	Setting pin 6x16	020 677
19	Clamping and cutting bed E5-8 on the right	253 652	507	Screw M6x20	244 824
22	DVD instructions conversion kit IFF	245 169	508	Screw KB60 x 20	237 682
23	Additional bobbin board	241 928			



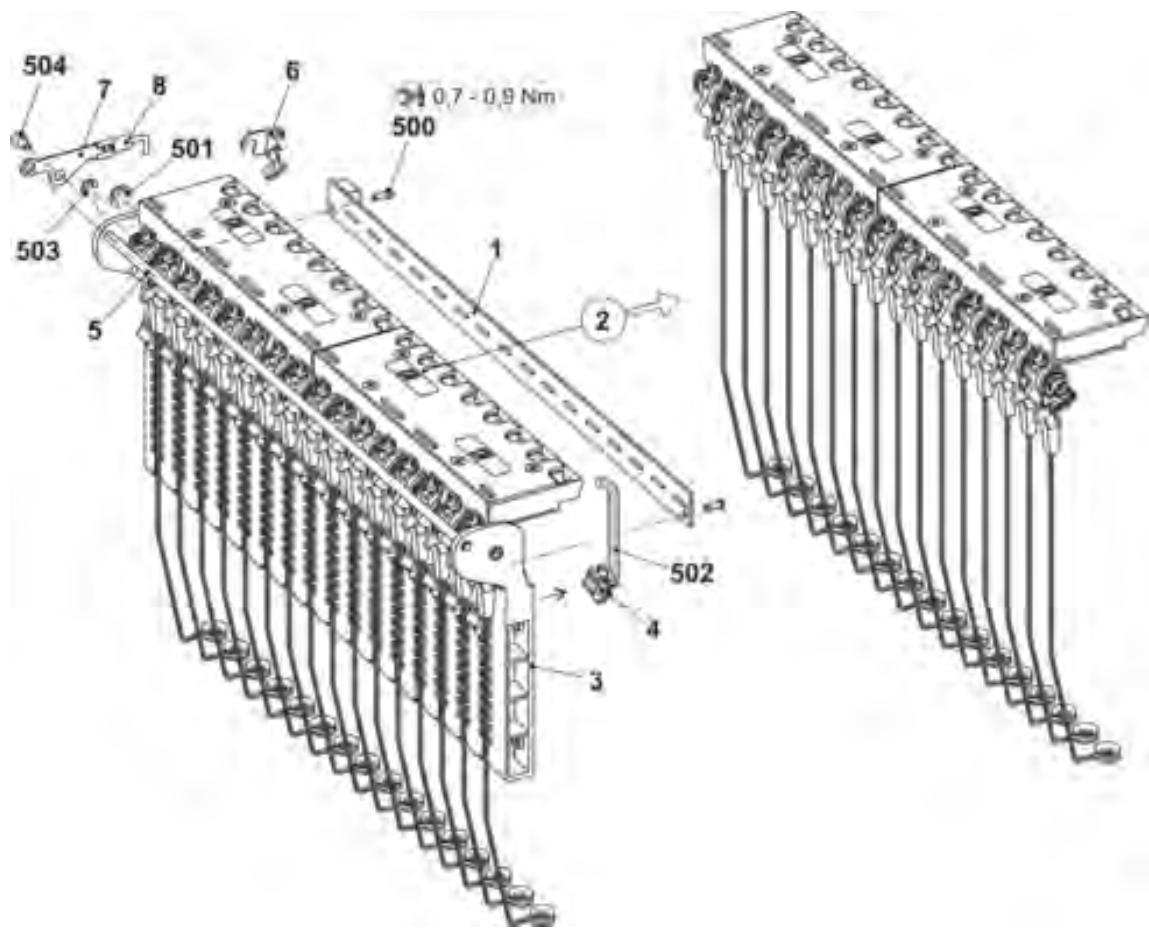
## 17.5 Parts for the left safety cover

Pos	Designation	ID		Pos	Designation	ID
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	223 316		508	Screw KB60x20	237 682



### 17.5.1 Yarn tensioner on the left

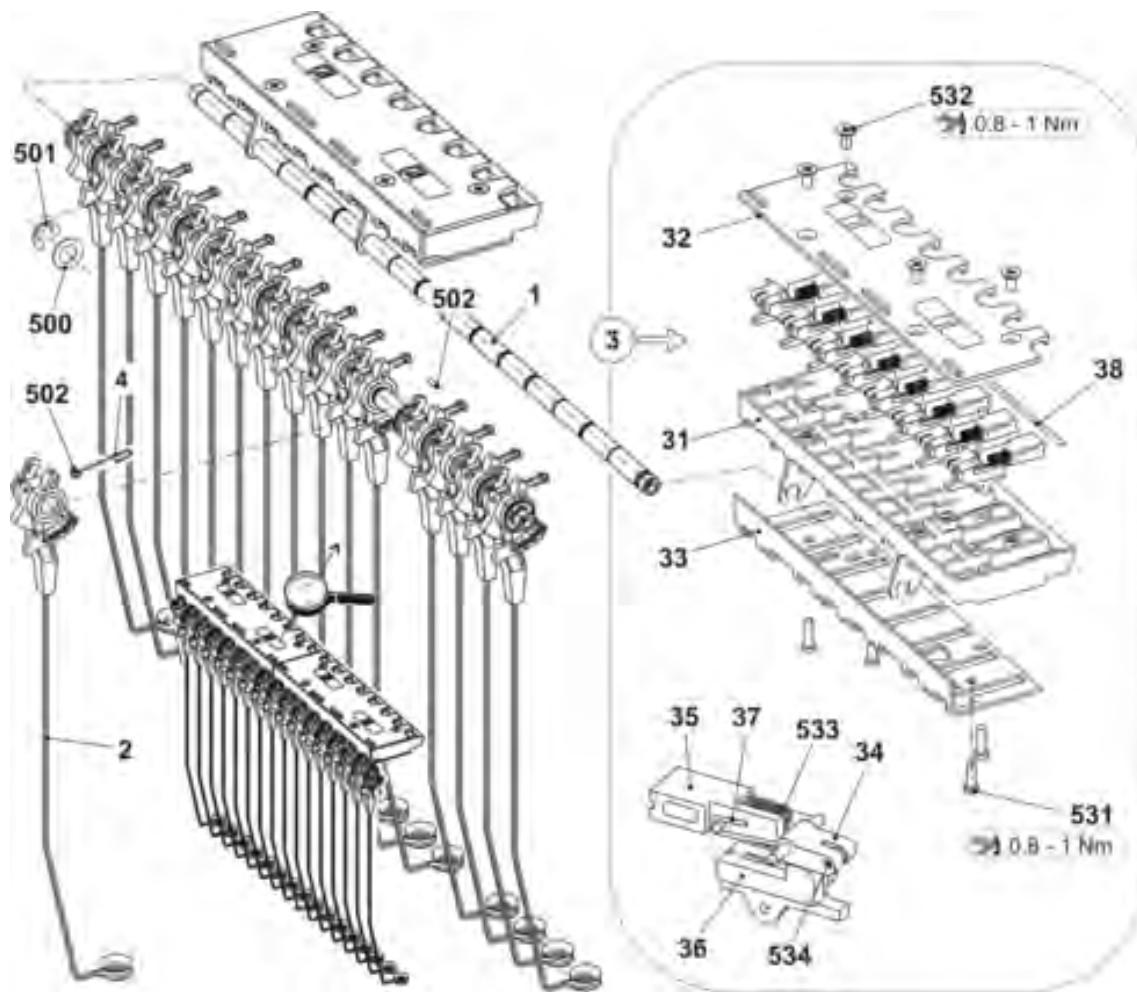
Pos	Designation	ID	Pos	Designation	ID
<b>Σ</b>	<b>Yarn tensioner on the left complete</b>				
	E5   E2,5.2   E3,5.2   E5.2	244 498	7	Grounding plate of tension axle	243 121
	E7   E8	244 499	8	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the left	241 345	500	Screw KB30x8	236 228
2	Tension axle complete E3-8	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 cover

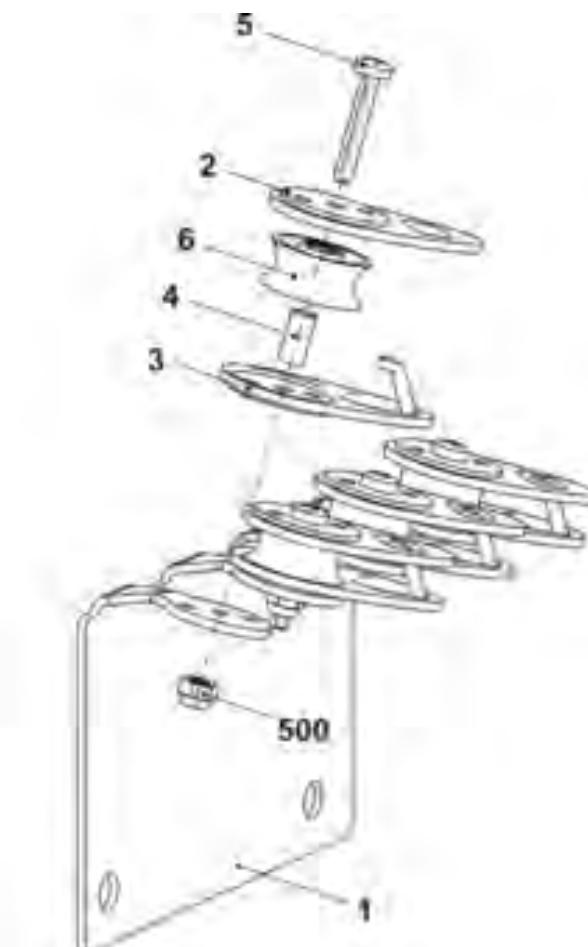
## 17.5.1.1 Tension axle

Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Tension axle complete E3-8	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-assembled E3-8	242 770		35	Pressure peace AKF	238 690
4	Wire bow	238 694		36	Slider AKF	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	Housing AKF	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

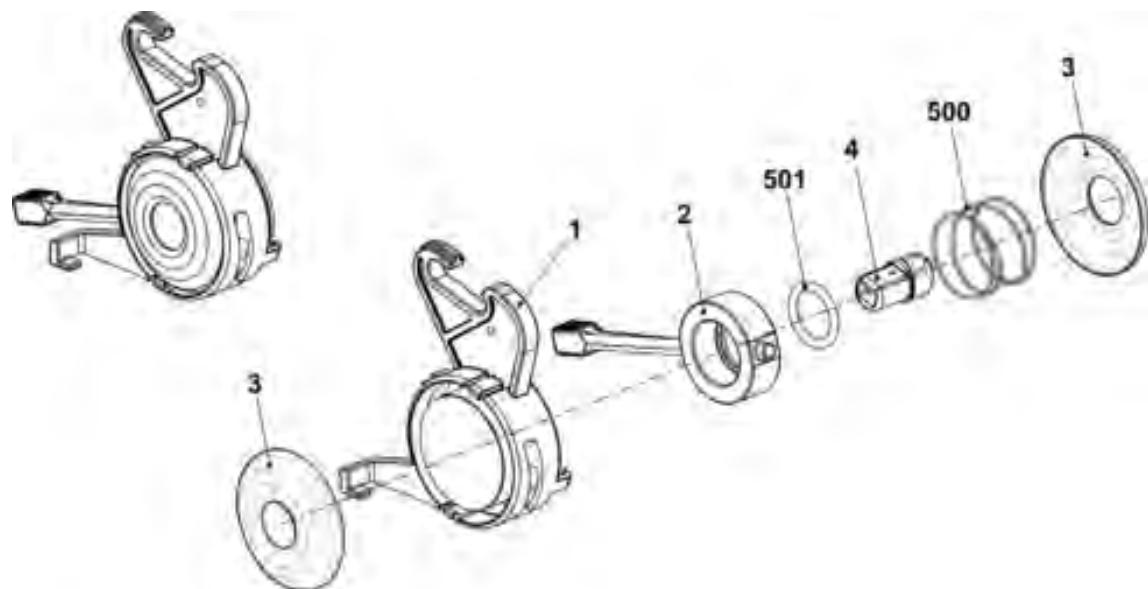
Pos	Designation	ID No.	Pos	Designation	ID No.
<b>Σ</b>	Deflector on the left complete	223 316	4	Sleeve	219 222
1	Roller support on the left	223 312	5	Screw	223 298
2	Yarn holder	217 362	6	Roller deflector	218 805
3	Yarn holder	217 363	500	Hexagon nut M3-8	022 884



## 17.5 Parts for the left safety cover

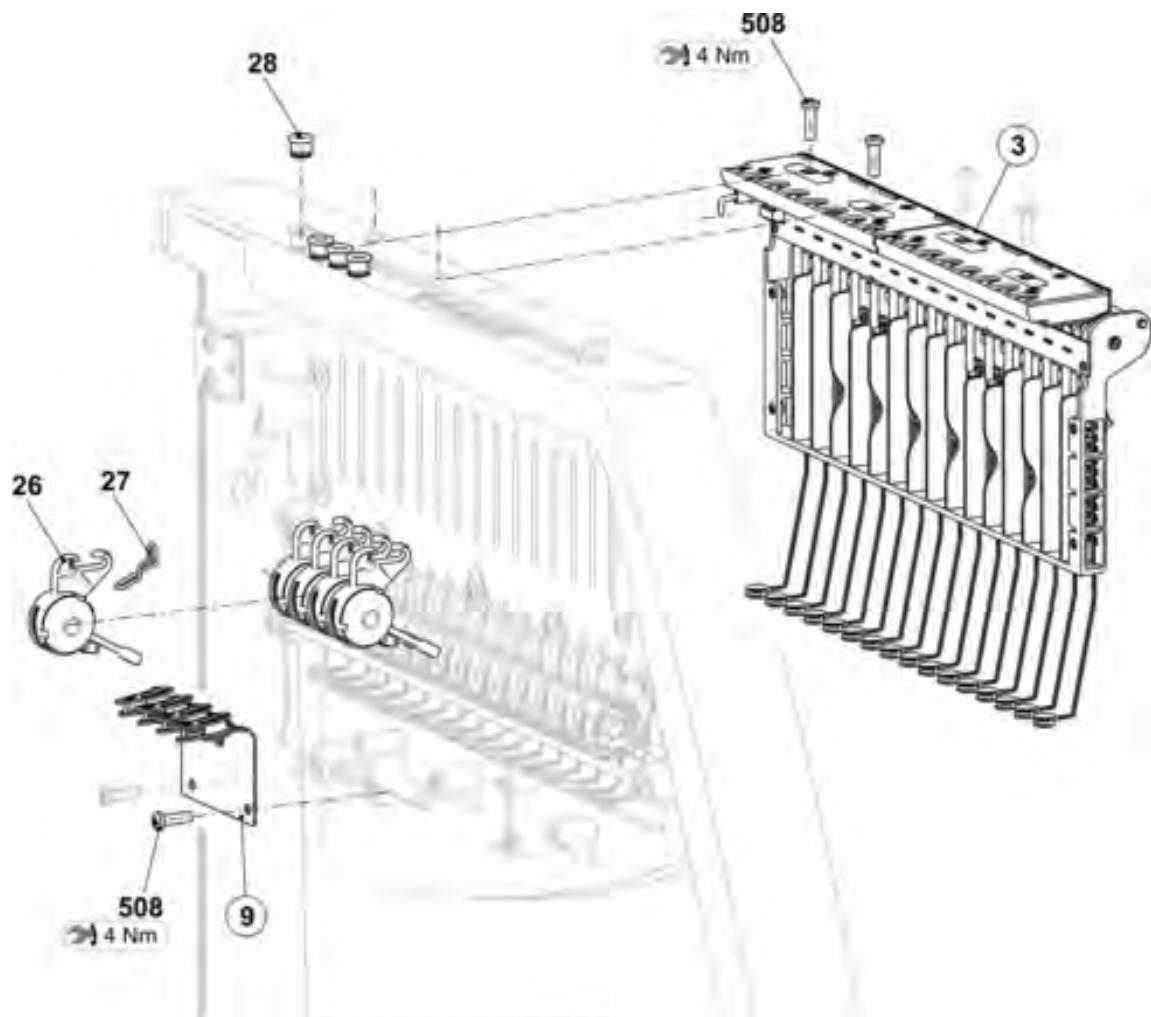
## 17.5.3 Yarn brake

Pos	Designation	Id		Pos	Designation	Id
$\Sigma$	Yarn brake complete	244 347		4	Ceramic eyelet open	243 778
1	Support	240 607		500	Compression spring 0.65x20.15x14.80	241 361
2	Slider	240 606		501	O-ring 11x2	241 434
3	Brake disk	244 355				



## 17.6 Parts for the right safety cover

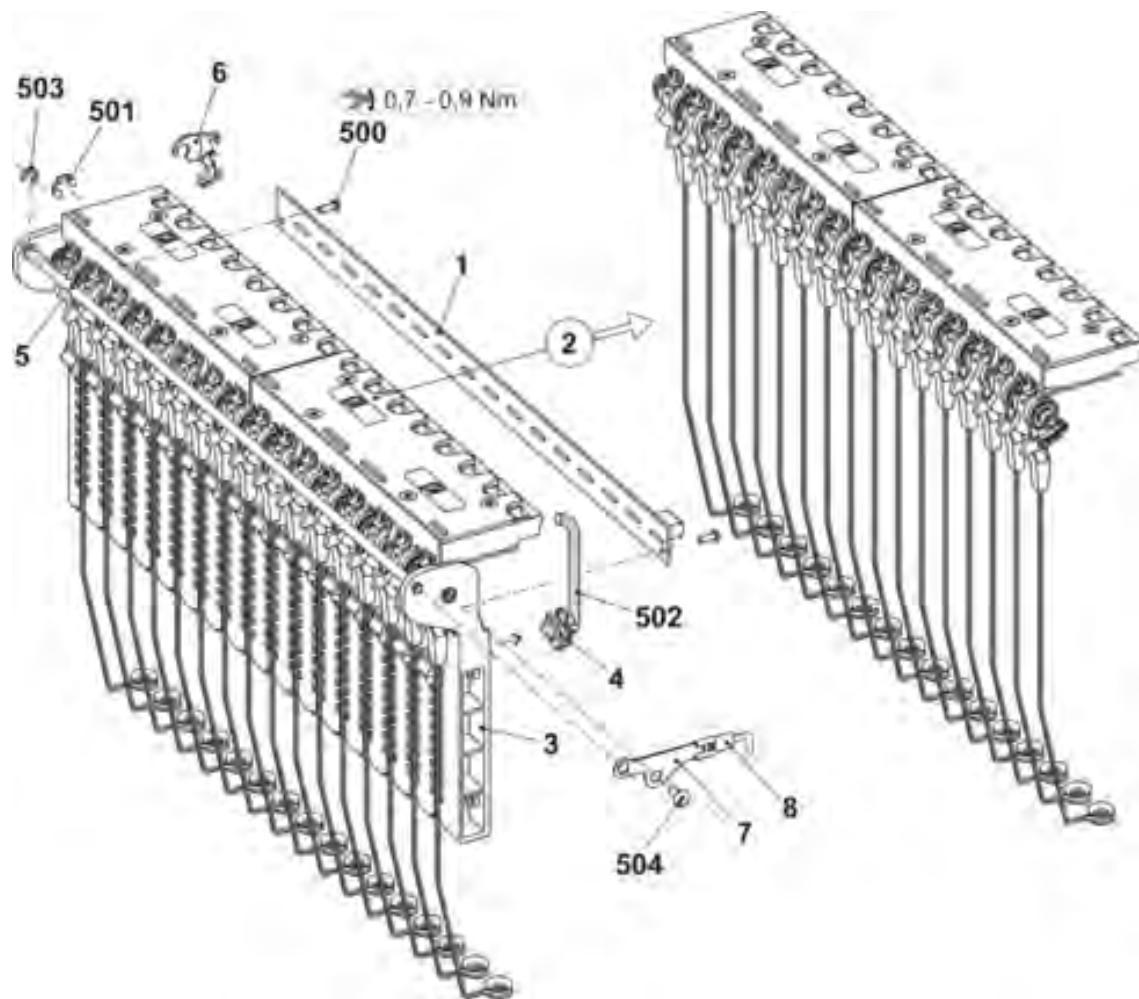
Pos	Designation	ID		Pos	Designation	ID
3	Yarn tensioner on the right complete			26	Yarn brake complete	244 347
	E5   E2,5.2   E3,5.2   E5.2	244 501		27	Clamping bow	244 409
	E7   E8	244 502		28	Ceramic eyelet	240 640
9	Deflector on the right complete	223 049		508	Screw KB60x20	237 682



## 17.6 Parts for the right safety cover

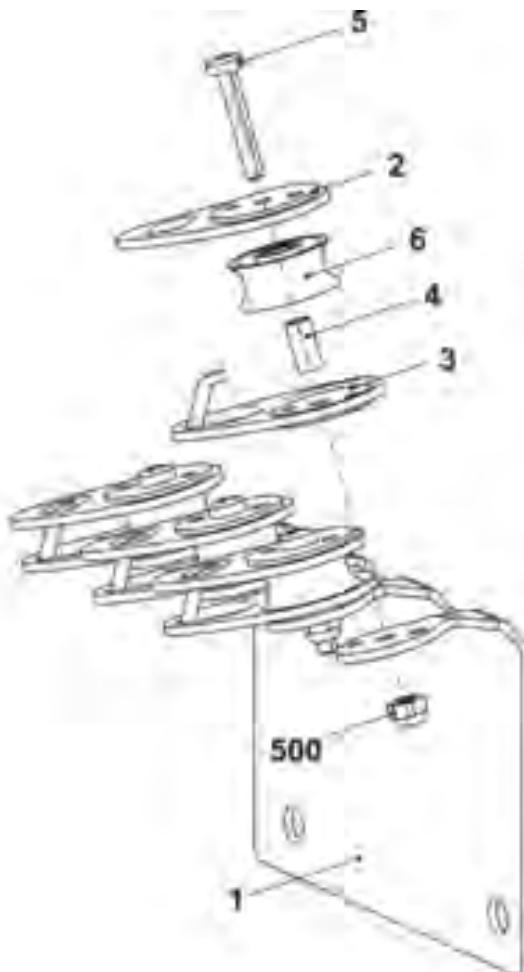
## 17.6.1 Yarn tensioner on the right

Pos	Designation	ID	Pos	Designation	ID
<b>Σ</b>	<b>Yarn tensioner on the right complete</b>				
	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 complete E3-8	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



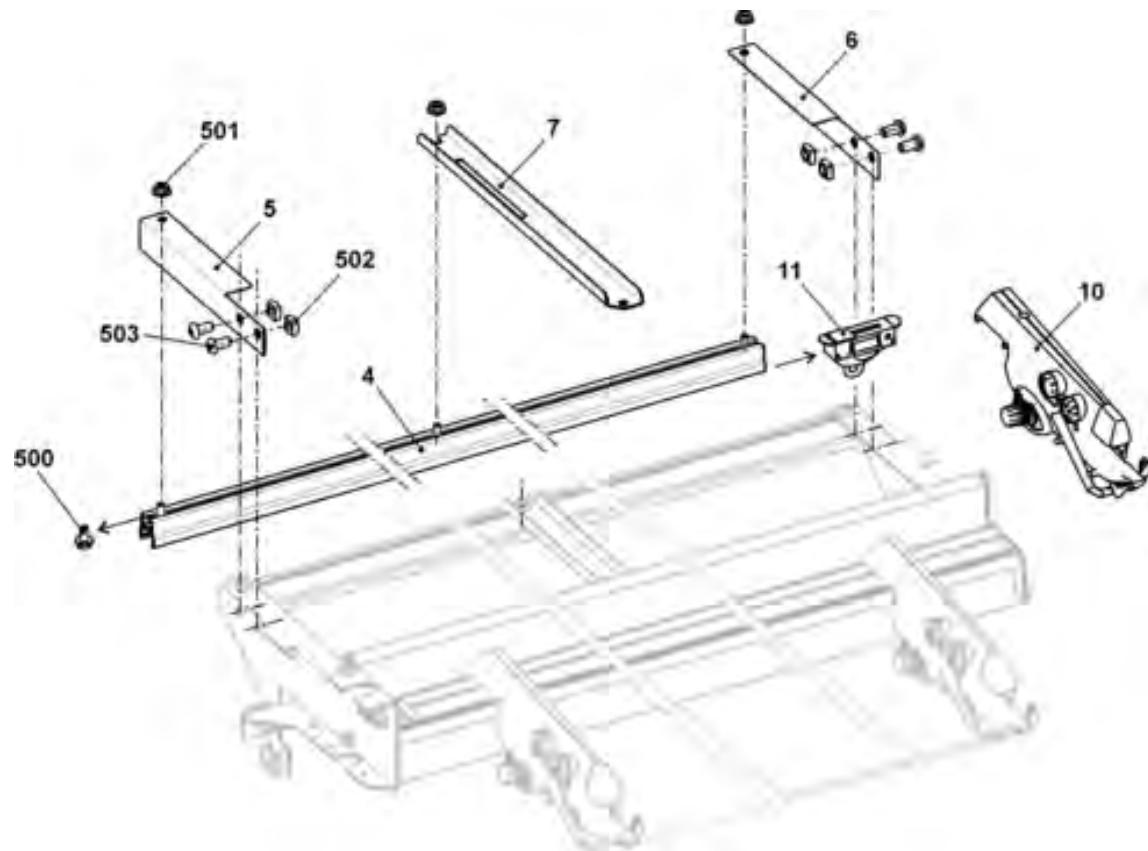
## 17.6.2 Deflector on the right

Pos	Designation	ID No.	Pos	Designation	ID No.
$\Sigma$	Deflector on the right complete	223 049	4	Sleeve	219 222
1	Roller support on the right	223 044		Screw	223 298
2	Yarn holder	217 362		Roller deflector	218 805
3	Yarn holder	217 363		Hexagon nut M3-8	022 884



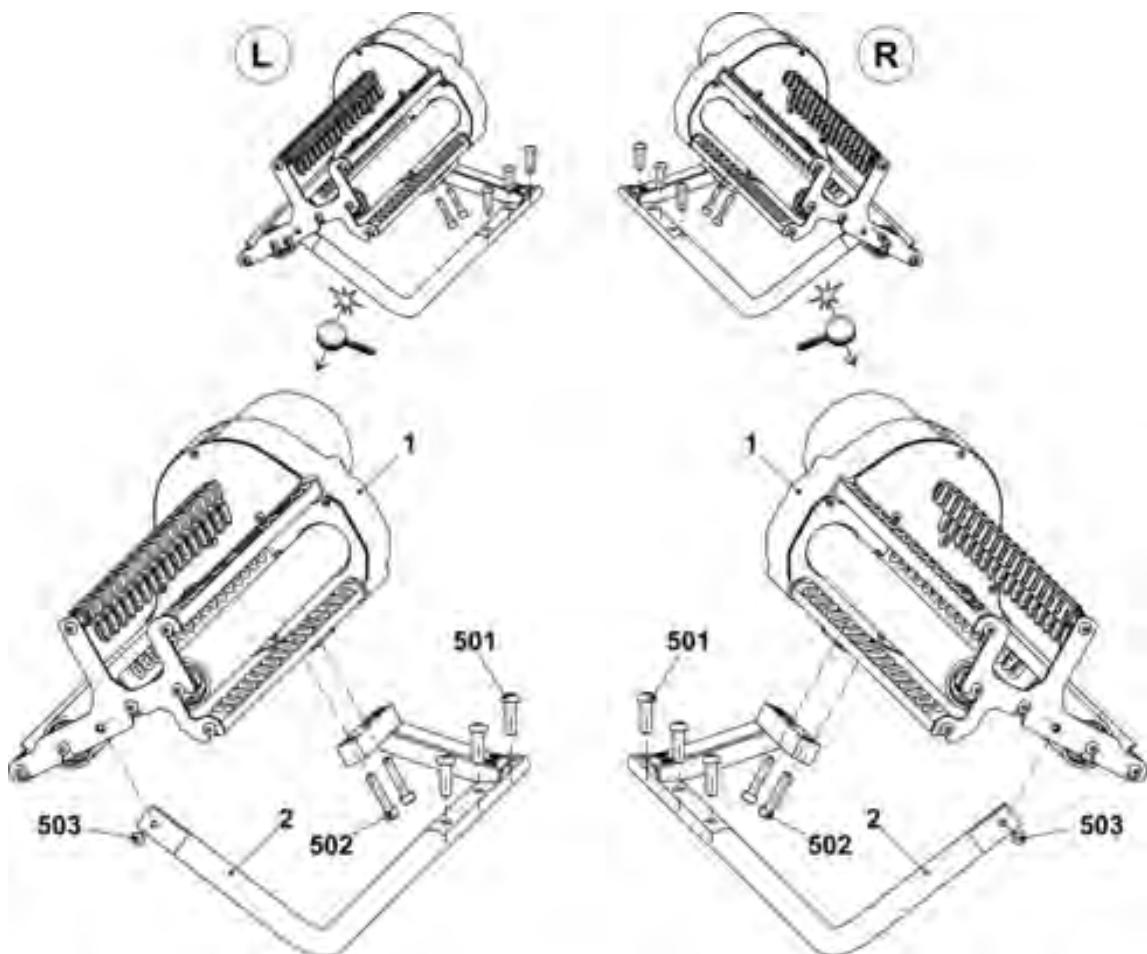
## 17.7 Parts for the yarn guide system

Pos	Designation	ID		Pos	Designation	ID
<b>Σ</b>	<b>Yarn guide system</b>					
4	Yarn guide bar 84"	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	Ribbed safety nut M6-10	023 414
7	Support	239 295		502	Square nut M8	023 269
10	Yarn control device	237 124		503	Countersunk screw M8x16	023 113



## 17.8 Friction feed wheel on the left and on the right co.

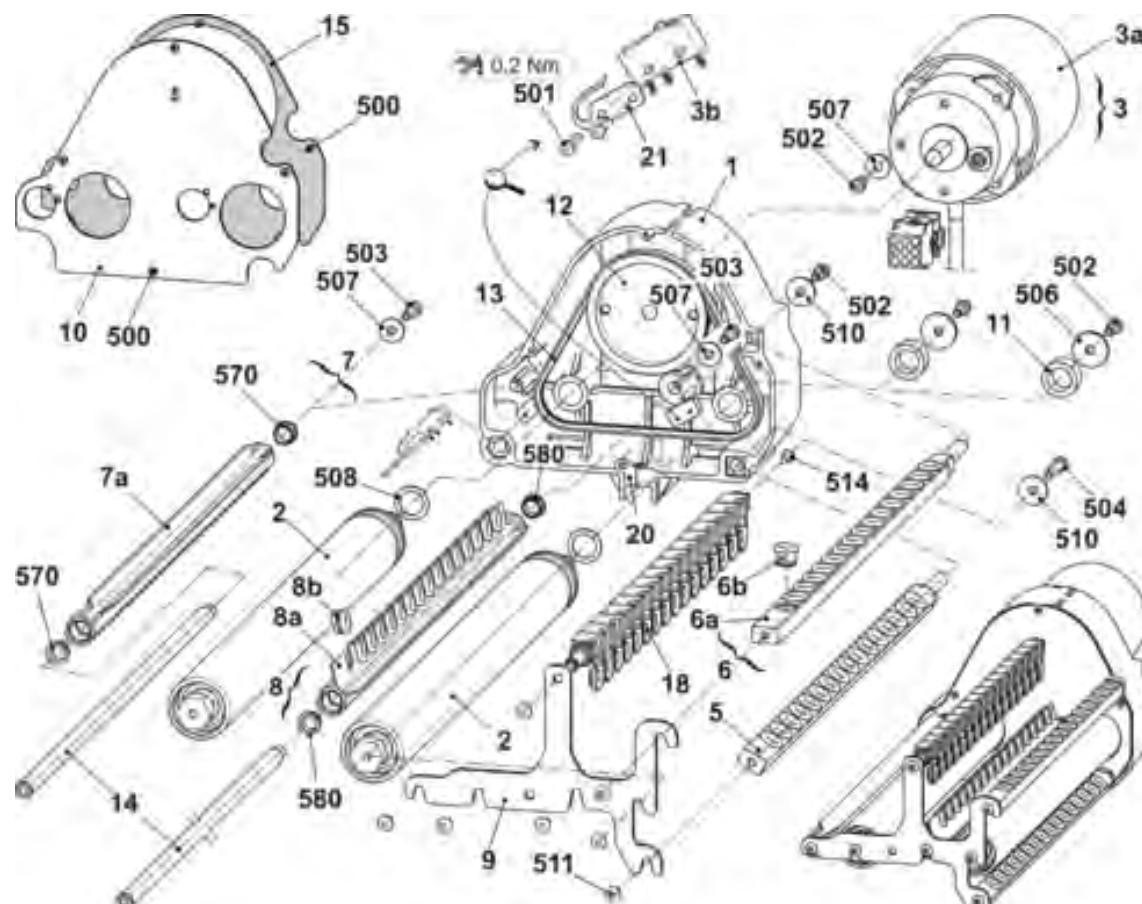
Pos	Designation	ID		Pos	Designation	ID
$\Sigma L$	Friction feed wheel on the left co. 16-fold	244 991		$\Sigma R$	Friction feed wheel on the right co. 16-fold	244 992
1	Friction feed wheel on the left	244 185		1	Friction feed wheel on the right	244 186
2	Support on the left	243 869		2	Support on the right	244 142
501	Countersunk screw M8x25	023 027		501	Countersunk screw M8x25	023 027
502	Cap screw M6x16	020 135		502	Cap screw M6x16	020 135
503	Countersunk screw M5x8	239 408		503	Countersunk screw M5x8	239 408



17.8 Friction feed wheel on the left and on the right co.

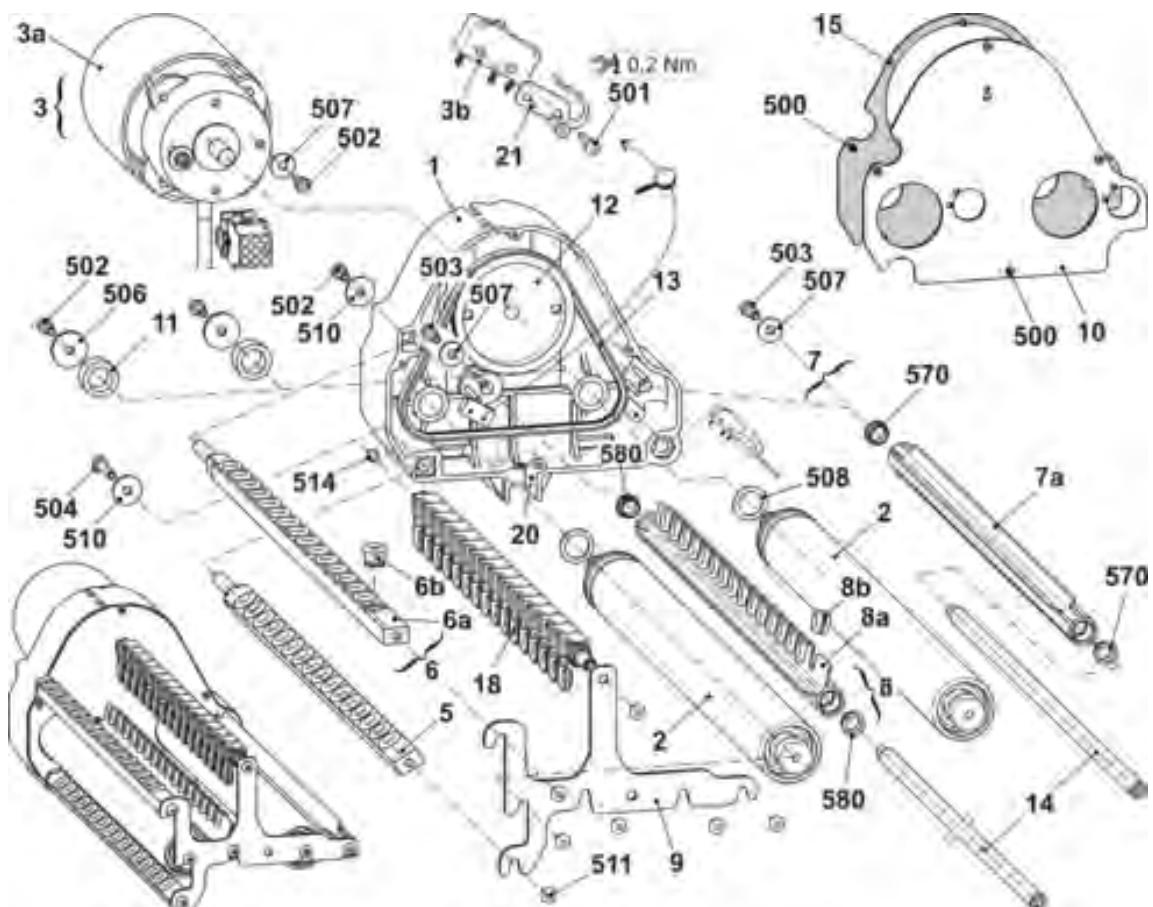
## 17.8.1 Friction feed wheel on the left

Pos	Designation	Id		Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the left complete	244 185		11	Bush	221 391
1	Housing	240 368		12	Ribbed V-belt pulley	221 268
2	Friction roller complete	243 860		13	Ribbed V-belt	206 927
3	Three-phase A.C. motor 3x42V complete	219 800		14	Rod	243 868
	3a Three-phase A.C. motor	220 161		15	Cover	230 758
	3b Microswitch	008 664		18	Deflector complete 16-fold	250 102
5	Yarn guide rod 16-fold complete	244 576		20	Grounding plate	256 622
6	Yarn guide rod 16-fold complete	244 578		21	Spring plate	256 702
	6a Yarn guide rod 16-fold	244 577		500	Screw KB 30x8	236 228
	6b Ceramic eyelet	240 640		501	Screw M20x10	244 736
7	Stop motion rail on the right complete	243 863		502	Cap screw M5x12	020 132
	7a Stop motion rail on the right	243 864		503	Cap screw M5X16	022 726
	570 Slide bearing GFM-101214-07	023 627		504	Cap screw M5X25	023 523
8	Stop motion rail on the left complete	243 865		506	Washer 6.1x9x0.5	023 219
	8a Stop motion rail on the left	243 866		507	U-washer 5	020 901
	8b Eyelet	230 662		508	Shim ring 15x21x1	023 216
	580 Slide bearing GFM-101214-07	023 627		510	U-washer 5	023 542
9	Strap	251 113		511	Countersunk screw M5x8	239 408
10	Cover	251 098		514	Pan-head screw M4x8	023 579



### 17.8.2 Friction feed wheel on the right

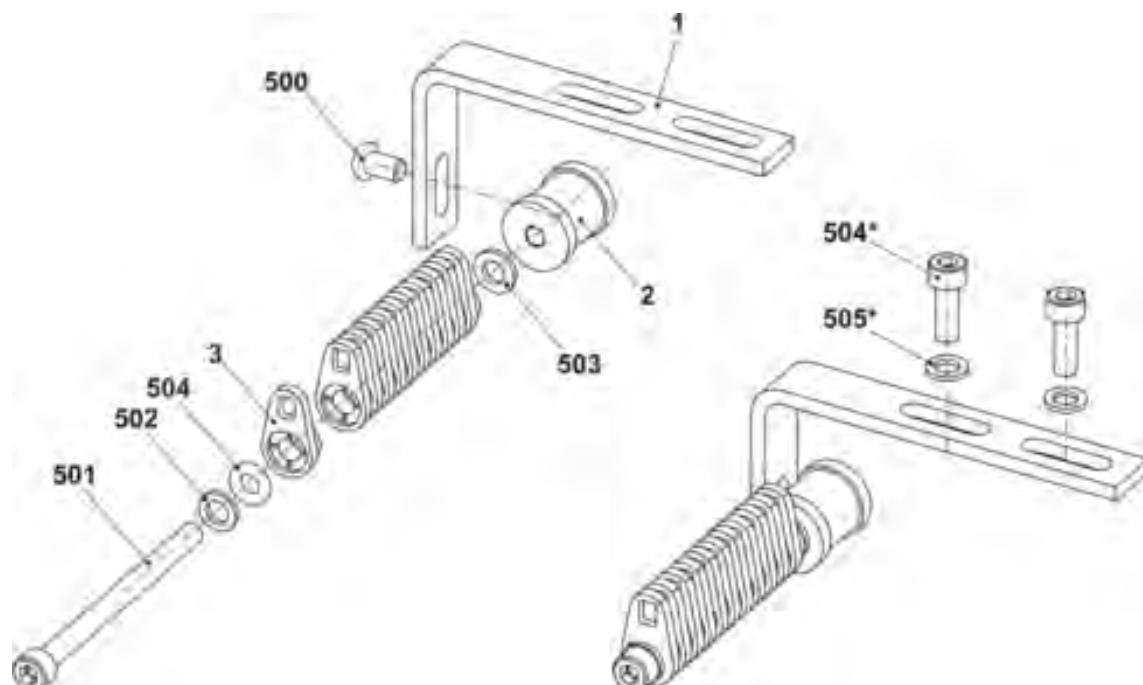
Pos	Designation	Id	Pos	Designation	Id
<b>Σ</b>	<b>Friction feed wheel 16 fold on the right complete</b>	<b>244 186</b>	11	Bush	221 391
1	Housing	240 368	12	Ribbed V-belt pulley	221 268
2	Friction roller complete	243 860	13	Ribbed V-belt	206 927
3	Three-phase A.C. motor 3x42V complete	219 800	14	Rod	243 868
3a	Three-phase A.C. motor	220 161	15	Cover	230 758
3b	Microswitch	008 664	18	Deflector complete 16-fold	250 102
5	Yarn guide rod 16-fold complete	244 772	20	Grounding plate	256 622
6	Yarn guide rod 16-fold complete	244 578	21	Spring plate	256 702
6a	Yarn guide rod 16-fold	244 577	500	Screw KB 30x8	236 228
6b	Ceramic eyelet	240 640	501	Screw M20x10	244 736
7	Stop motion rail on the right complete	243 863	502	Cap screw M5x12	020 132
7a	Stop motion rail on the right	243 864	503	Cap screw M5X16	022 726
570	Slide bearing GFM-101214-07	023 627	504	Cap screw M5X25	023 523
8	Stop motion rail on the right complete	244 530	506	Washer 6.1x9x0.5	023 219
8a	Stop motion rail on the right	244 531	507	U-washer 5	020 901
8b	Eyelet	230 662	508	Shim ring 15x21x1	023 216
580	Slide bearing GFM-101214-07	023 627	510	U-washer 5	023 542
9	Strap	251 113	511	Countersunk screw M5x8	239 408
10	Cover	251 098	514	Pan-head screw M4x8	023 579



## 17.9 Thread deflector on the left

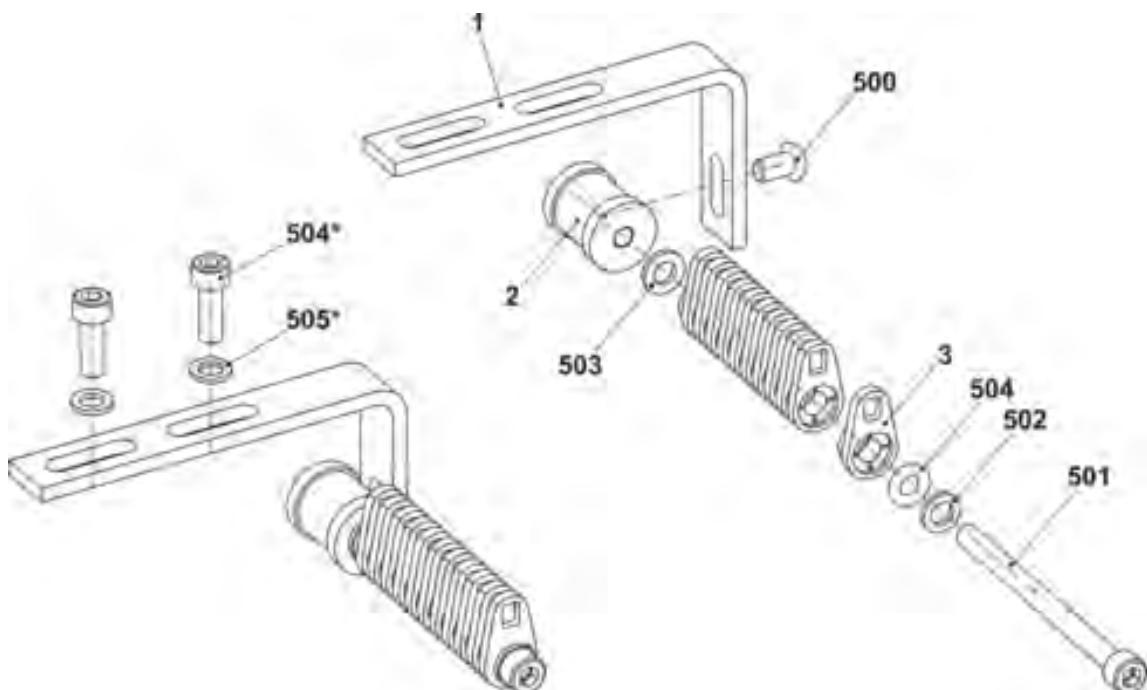
**17.9 Thread deflector on the left**

Pos	Designation	ID No.		Pos	Designation	ID No.
$\Sigma$	Yarn deflector on the left complete	244 517				
1	Support angle	244 516		502	U-washer 6	020 881
2	Bolt	214 894		503	U-washer 6	022 853
3	Yarn carrier MH 6	200 127		504	O-ring 6x3	022 856
500	Countersunk screw M6x10	023 183		504*	Cap screw M6X14	022 658
501	Cap screw M6x80	023 064		505*	U-washer 6	020 881



## 17.10 Yarn deflector on the right

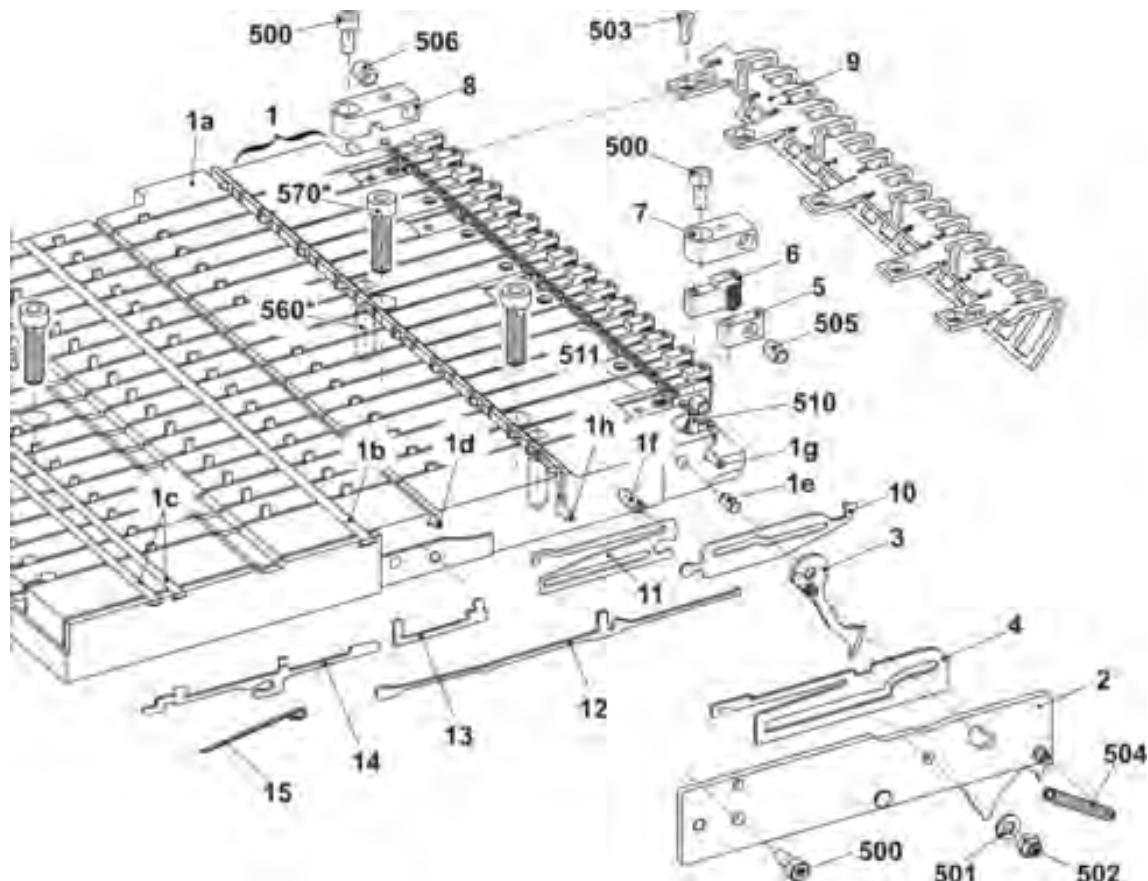
Pos	Designation	ID No.		Pos	Designation	ID No.
$\Sigma$	Yarn deflector on the right complete	244 521		502	U-washer 6	020 881
1	Support angle	244 516		503	U-washer 6	022 853
2	Bolt	214 894		504	O-ring 6x3	022 856
3	Yarn carrier MH 6	200 127		504*	Cap screw M6X14	022 658
500	Countersunk screw M6x10	023 183		505*	U-washer 6	020 881
501	Cap screw M6x80	023 064				



## 17.11 Left clamping/cutting bed

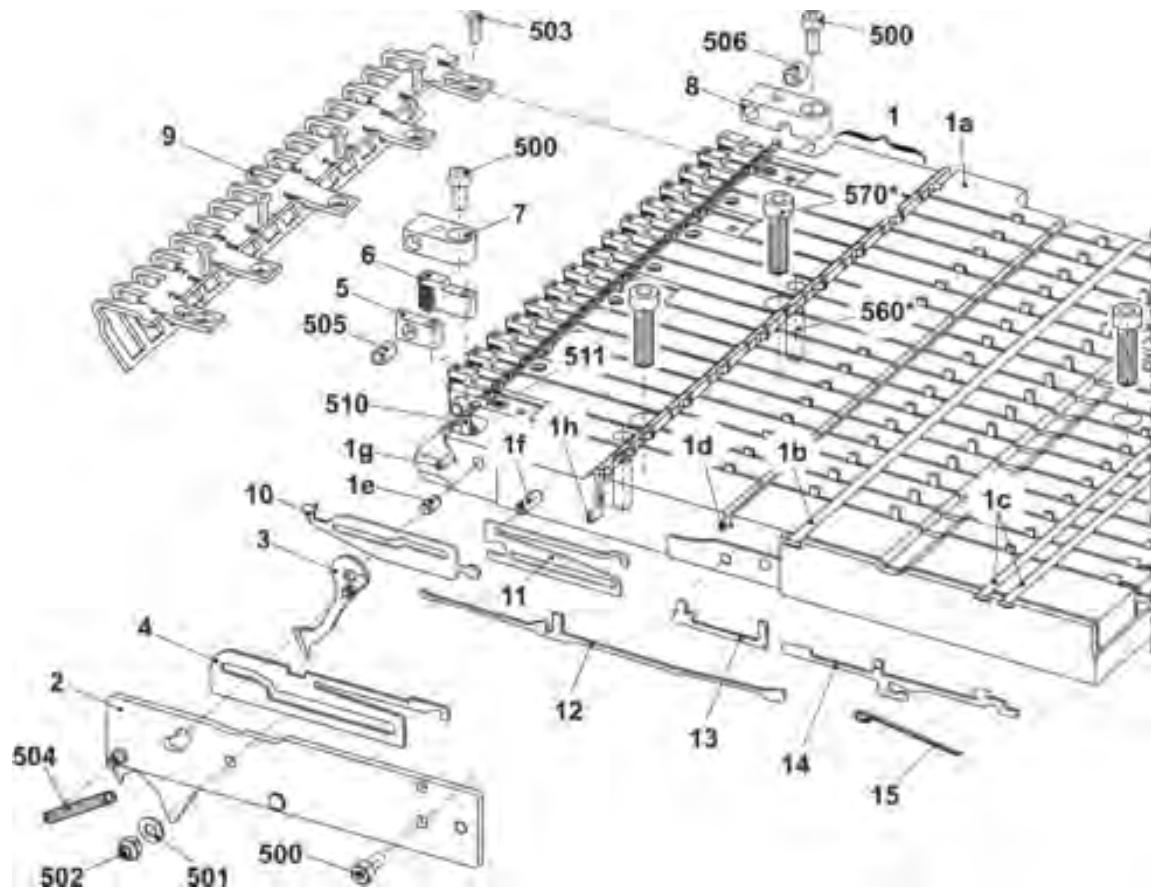
## 17.11 Left clamping/cutting bed

Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Left clamping/cutting bed E5-8 (E5   E7   E8   E2,5.2   E3,5.2   E5.2)	253 653			
1	Guide plate on the left E5-14	244 642	8	Spring holder	244 590
1a	Guide plate on the left E5-14	244 632	9	Holding strip on the left	250 607
1b	Cover rail	243 923	10	Tuck needle on the left E5-8	244 729
1c	Cover rail	243 924	11	Intermediate cam E10-14	244 591
1d	Fixed wire	243 925	12	Coupling part E4-8	200 682
1e	Axle	211 349	13	Intermediate slider with brake E5-E8	237 323
F 1	Guide pin	211 351	14	Selection jack E4-8	200 687
1g	Fixed wire	215 927	15	Selector spring E4-8	200 690
1h	Fixed wire	244 589	500	Cap screw M4x10	023 136
510	Setting pin 3x16	020 649	501	Hexagon nut M4-8	023 046
511	Set screw M5x5	236 061	502	U-washer 4	020 870
2	Cover on the left complete E10-14	251 120	503	Countersunk head screw M3x10	242 029
3	Catch hook on the left E10-14	251 377	504	Tension spring 5x0.5x17.4	023 377
4	Slider E5-14	253 084	505	Compression spring D 117 B 07x4.3x12.1	023 521
5	Blade	243 948	506	Set screw M6x8-45h	022 581
6	Clamp on the left complete	244 633	560*	Setting pin 6x16	020 677
7	Spring holder	244 032	570*	Cap screw M6x20	244 824



## 17.12 Clamping/cutting bed on the right

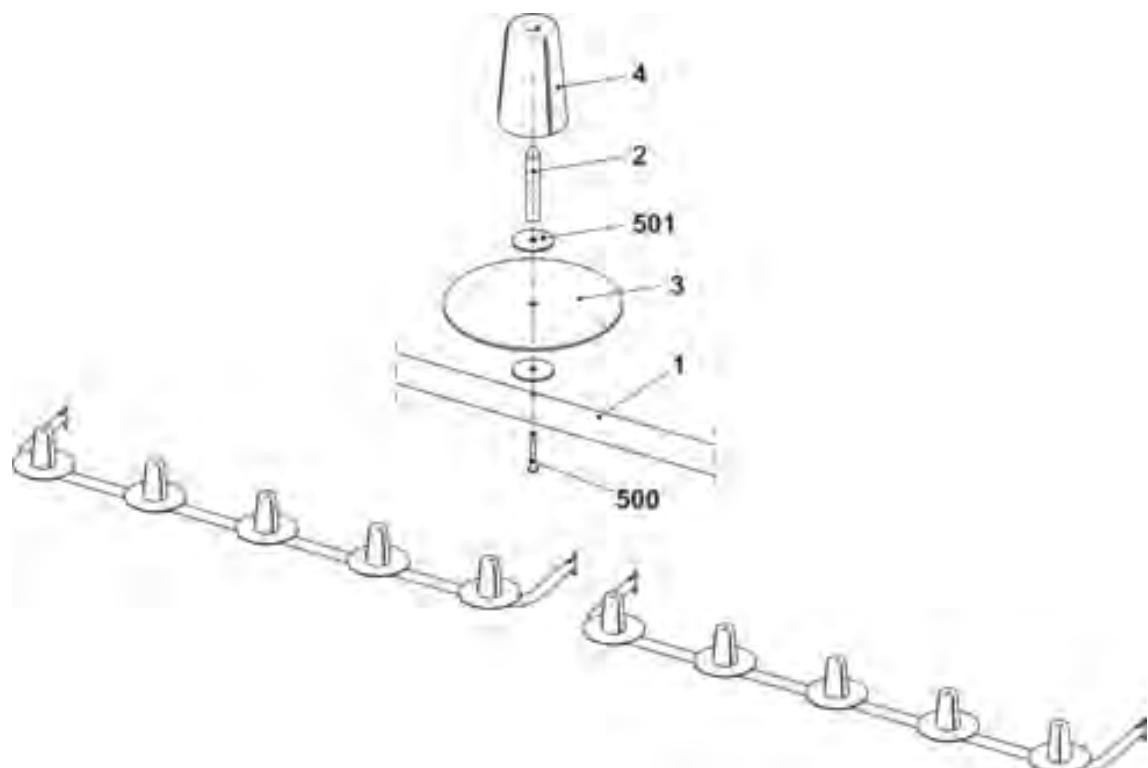
Pos	Designation	Id	Pos	Designation	Id
$\Sigma$	Clamping/cutting bed E5-8 on the right (E5   E7   E8   E2,5,2   E3,5,2   E5,2)	253 652			
1	Guide plate on the right E5-14	244 601	8	Spring holder	244 590
1a	Guide plate on the right E5-14	244 586	9	Holding strip on the right	250 510
1b	Cover rail	243 923	10	Tuck needle on the right E5-8	244 728
1c	Cover rail	243 924	11	Intermediate cam E10-14	244 591
1d	Fixed wire	243 925	12	Coupling part E4-8	200 682
1e	Axle	211 349	13	Intermediate slider with brake E5-E8	237 323
F 1	Guide pin	211 351	14	Selection jack E4-8	200 687
1g	Fixed wire	215 927	15	Selector spring E4-8	200 690
1h	Fixed wire	244 589	500	Cap screw M4x10	023 136
510	Setting pin 3x16	020 649	501	Hexagon nut M4-8	023 046
511	Set screw M5x5	236 061	502	U-washer 4	020 870
2	Cover on the right complete E10-14	251 119	503	Countersunk head screw M3x10	242 029
3	Catch hook on the right E10-14	251 378	504	Tension spring 5x0.5x17.4	023 377
4	Slider E5-14	253 084	505	Compression spring D 117 B 07x4.3x12.1	023 521
5	Blade	243 948	506	Set screw M6x8-45H	022 581
6	Clamp on the right complete	244 602	560*	Setting pin 6x16	020 677
7	Spring holder	244 032	570*	Cap screw M6x20	244 824



## 17.13 Additional board

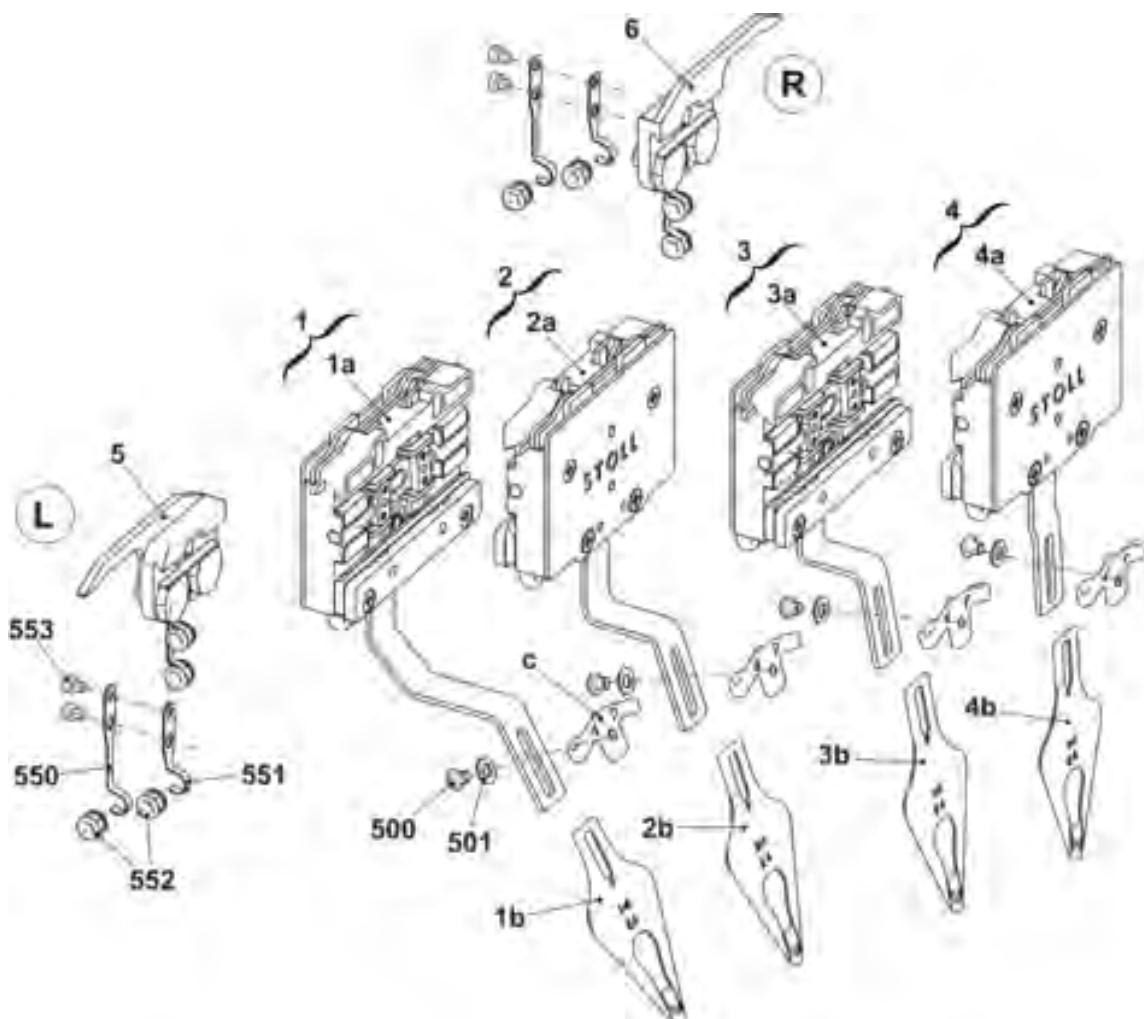
## 17.13 Additional board

Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Additional board 7XX/8XX	241 928				
1	Additional board welded	241 927		4	Bobbin support	200 363
2	Positioning pin	202 777		500	Countersunk screw M4x30	023 681
3	Disc D=130	062 385		501	Washer 5.3x30x1.25	023 556



## 17.14 Yarn guide complete (24 IFF) E5 | E2,5,2 | E3,5,2 | E5,2

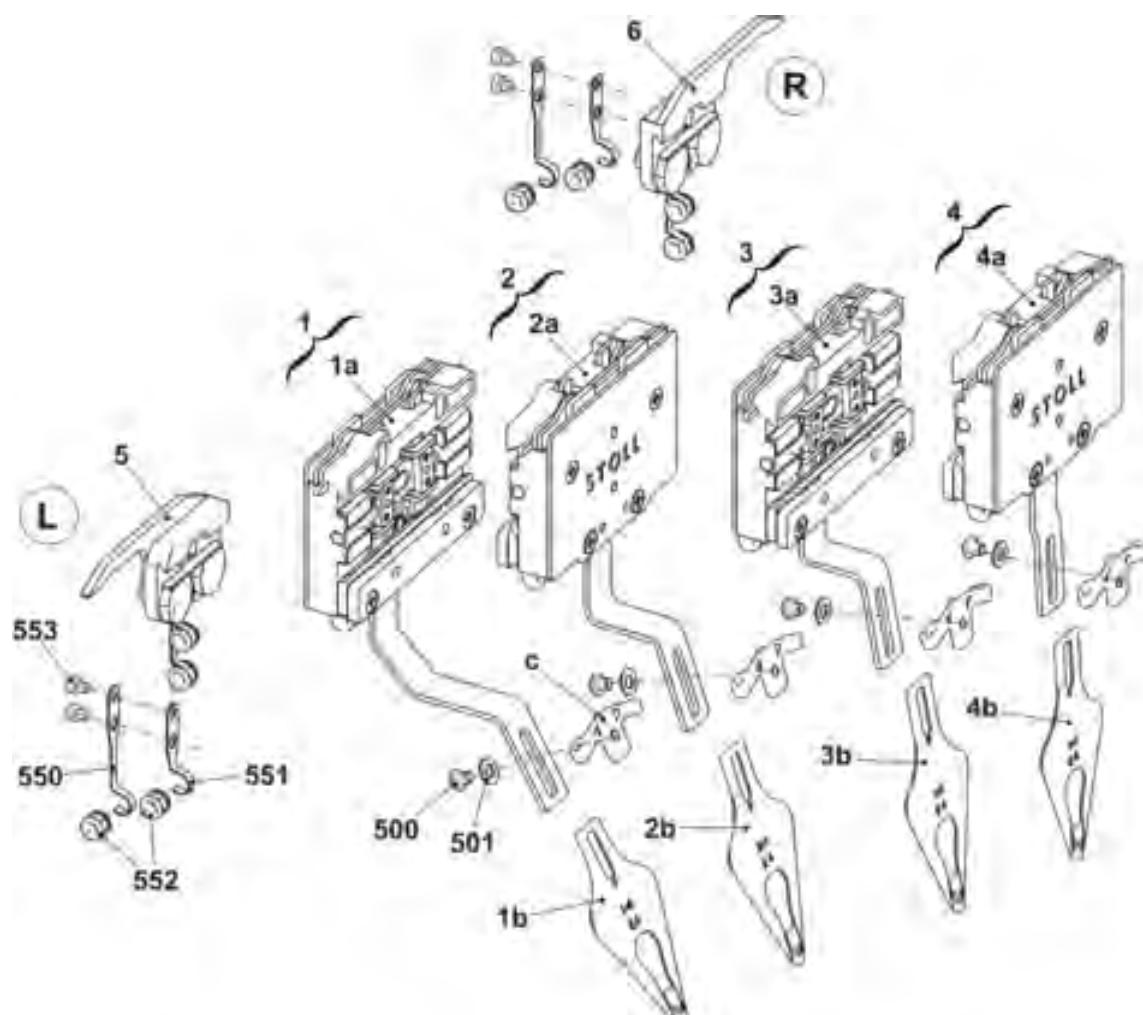
Pos	Designation	ID		Pos	Designation	ID
$\Sigma$	Yarn guide complete E5 IFF 24	256 934				
1	IFF carriage complete 1+8 E5 (6 pieces)	250 319		5	Limiter on the left with two eyelets	244 446
	1a IFF carriage 1+8	250 315		550	Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E5	244 076		551	Eyelet holder complete	022 323
2	IFF carriage complete 2+7 E5 (6 pieces)	250 320		552	Eyelet 4.2	021 499
	A2 IFF carriage 2+7	250 316		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 (6 pieces)	250 321		c	Yarn guide angle	242 863
	3a IFF carriage 3+6	250 317		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 (6 pieces)	250 322				
	4a IFF carriage 4+5	250 318				
	4b Yarn carrier head 3-6 complete E5	244 078				



## 17.15 Yarn guide complete (24 IFF) E7 | E8

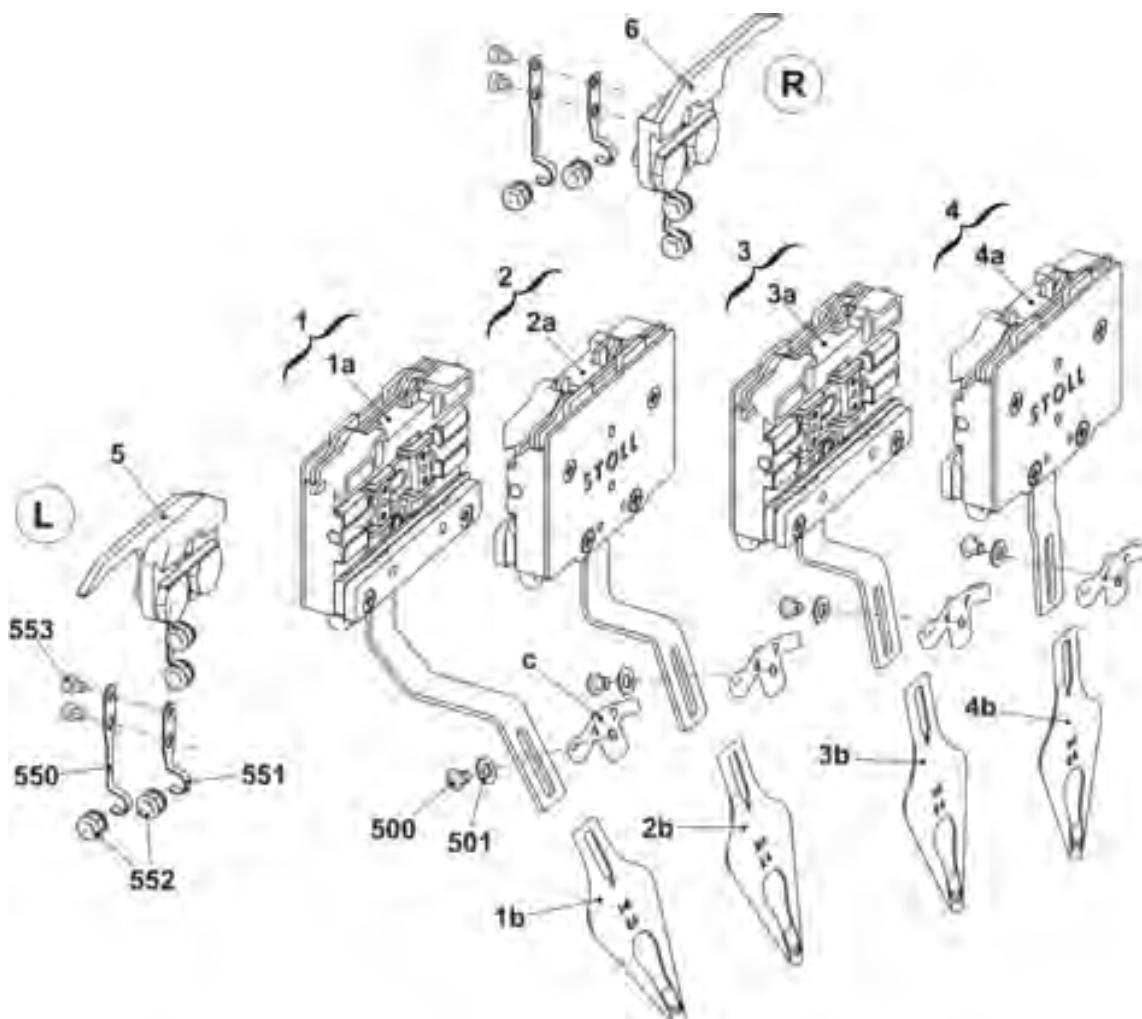
## 17.15 Yarn guide complete (24 IFF) E7 | E8

Pos	Designation	ID	Pos	Designation	ID
<b>S</b>	Yarn guide complete E7-8 IFF 24	256 935			
<b>1</b>	IFF carriage complete 1+8 E7-8 (6 pieces)	250 323	<b>5</b>	Limiter on the left with two eyelets	244 446
1a	IFF carriage 1+8	250 315	550	Eyelet holder complete	022 324
1b	Yarn carrier head 1+8 complete E7-8	244 082	551	Eyelet holder complete	022 323
<b>2</b>	IFF carriage complete 2+7 E7-8 (6 pieces)	250 324	552	Eyelet 4.2	021 499
2a	IFF carriage 2+7	250 316	553	Cap screw M3,5x4	020 011
2b	Yarn carrier head 2+7 complete E7-8	244 083	<b>6</b>	Limiter on the right with two eyelets	244 445
<b>3</b>	IFF carriage complete 3+6 E7-8 (6 pieces)	250 325	c	Yarn guide angle	242 863
3a	IFF carriage 3+6	250 317	500	Pan-head screw M4x5	239 549
3b	Yarn carrier head 3-6 complete E7-8	244 084	501	Washer4	020 870
<b>4</b>	IFF carriage complete 4+5 E7-8 (6 pieces)	250 326			
4a	IFF carriage 4+5	250 318			
4b	Yarn carrier head 3-6 complete E7-8	244 084			



## 17.16 Yarn guide complete (32 IFF) E5 | E2,5,2 | E3,5,2 | E5,2

Pos	Designation	Id	Pos	Designation	Id
<b>Σ</b>	<b>Yarn guide complete E5 IFF</b>	<b>245 161</b>			
1	IFF carriage complete 1+8 E5 (8 pieces)	250 319	5	Limiter on the left with two eyelets	244 446
	1a IFF carriage 1+8	250 315	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 (8 pieces)	250 320	552	Eyelet 4.2	021 499
	2a IFF carriage 2+7	250 316	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 (8 pieces)	250 321	c	Yarn guide angle	242 863
	3a IFF carriage 3+6	250 317	500	Pan-head screw M4x5	239 549
	3b Yarn carrier head 3-6 complete E5	244 078	501	U-washer 4	020 870
4	IFF carriage complete 4+5 E5 (8 pieces)	250 322			
	4a IFF carriage 4+5	250 318			
	4b Yarn carrier head 3-6 complete E5	244 078			



## 17.17 Yarn guide complete (32 IFF) E7 | E8

## 17.17 Yarn guide complete (32 IFF) E7 | E8

Pos	Designation	ID	Pos	Designation	ID
$\Sigma$	Yarn guide complete IFF E7-8	245 162			
1	IFF carriage complete 1+8 E7-8 (8 pieces)	250 323	5	Limiter on the left with two eyelets	244 446
	1a IFF carriage 1+8	250 315		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 (8 pieces)	250 324		552 Eyelet 4.2	021 499
	2a IFF carriage 2+7	250 316		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 (8 pieces)	250 325	c	Yarn guide angle	242 863
	3a IFF carriage 3+6	250 317	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 (8 pieces)	250 326			
	4a IFF carriage 4+5	250 318			
	4b Yarn carrier head 3+6 complete E7-8	244 084			

