

Spare-parts catalog

CMS 520 (Type 628)

Component type 003

E5 | E7 | E8 | E5m.4 | E7m.5 | E7m.8 | E8m.7 | E3,5.2 | E3,5.2m.4L | E5.2

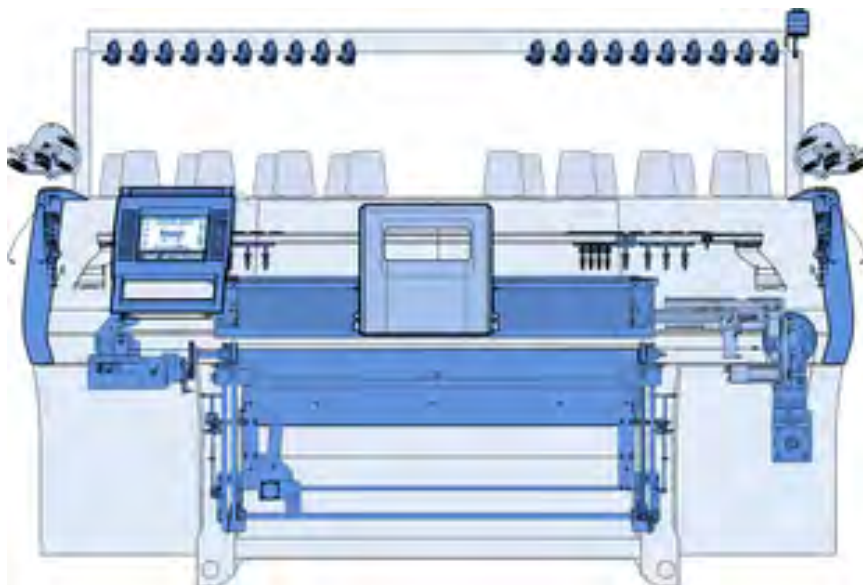


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1 Introduction

Imprint

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

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Notes for the order

This catalog serves to order spare parts.

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

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

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

Only genuine STOLL spare parts may be used for repairs.

1.1 Search help

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

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

1.2 Torques

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

Preferential row of screw torques

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

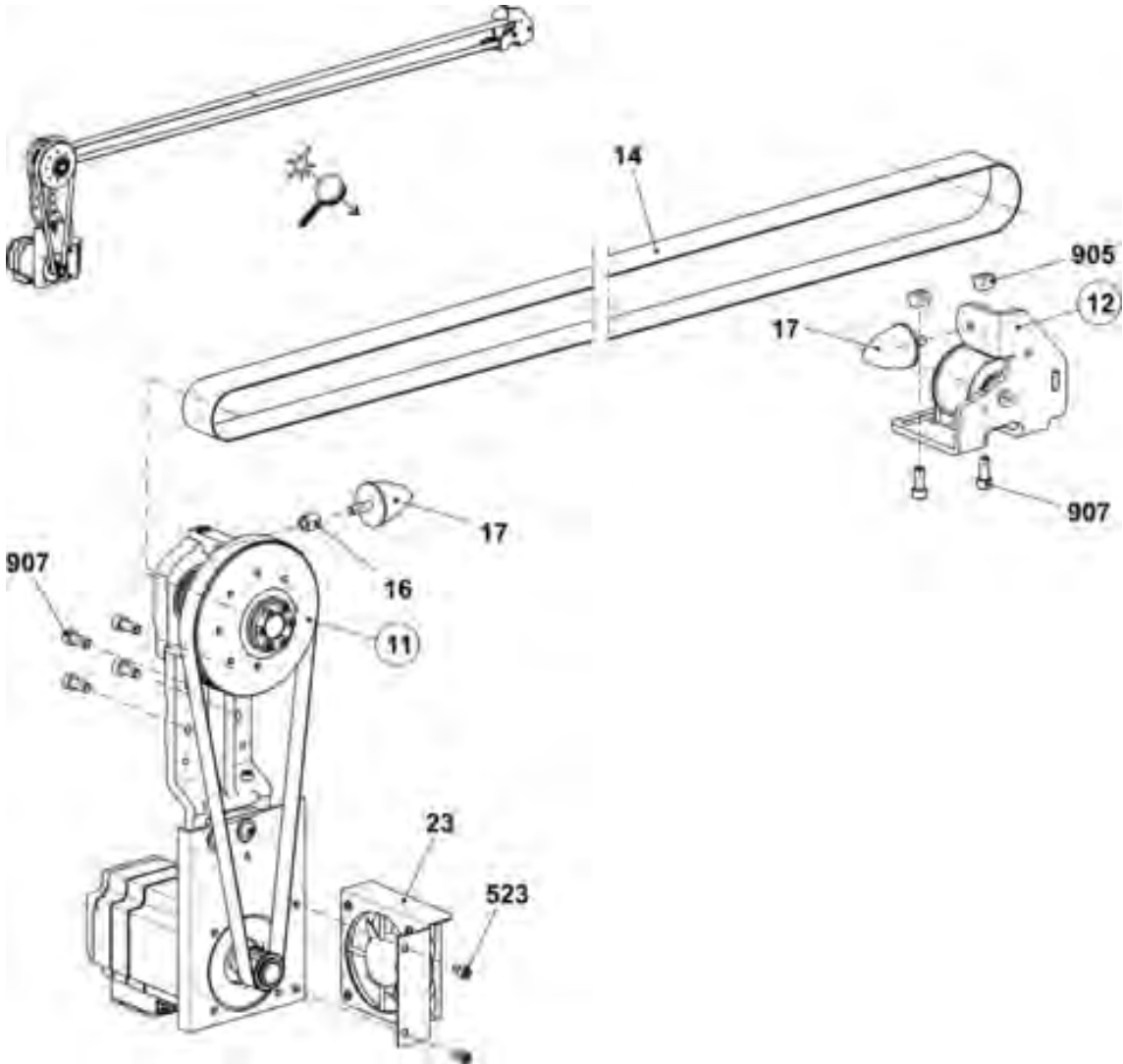
Notes:

2 Carriage drive



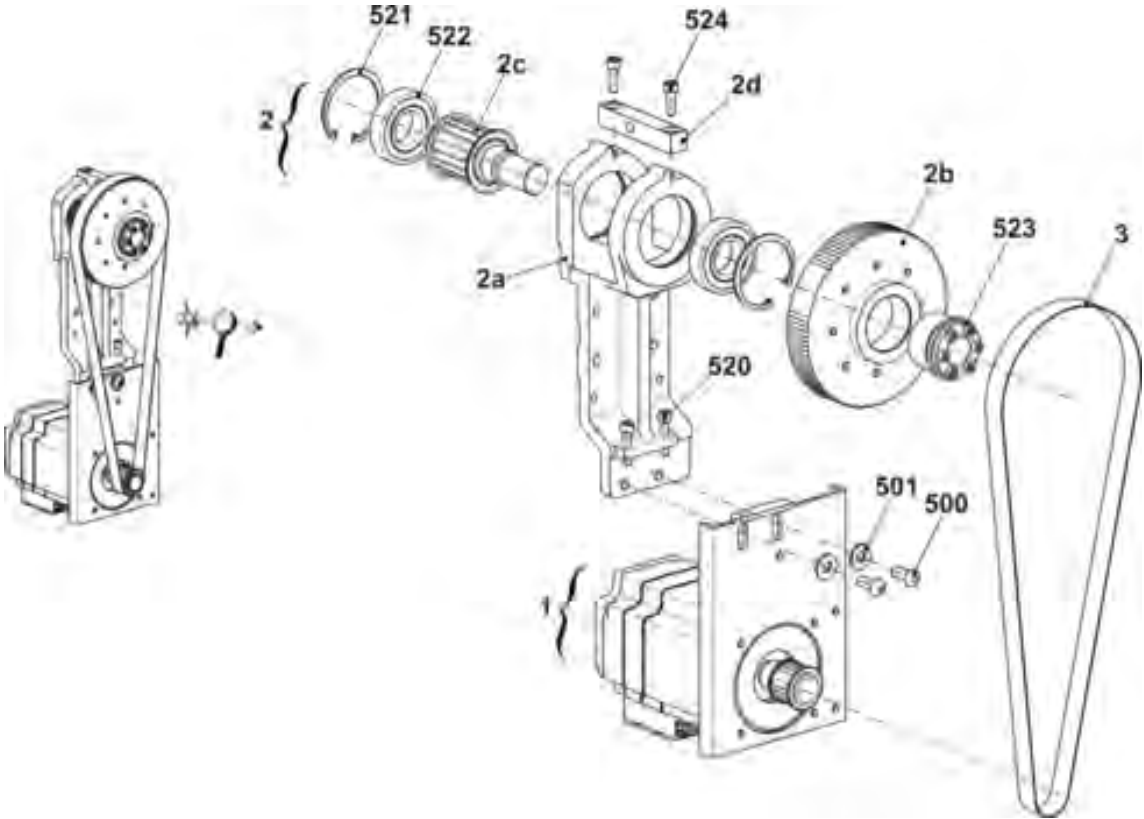
2.1 Drive

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



2.1.1 Motor and belt drive

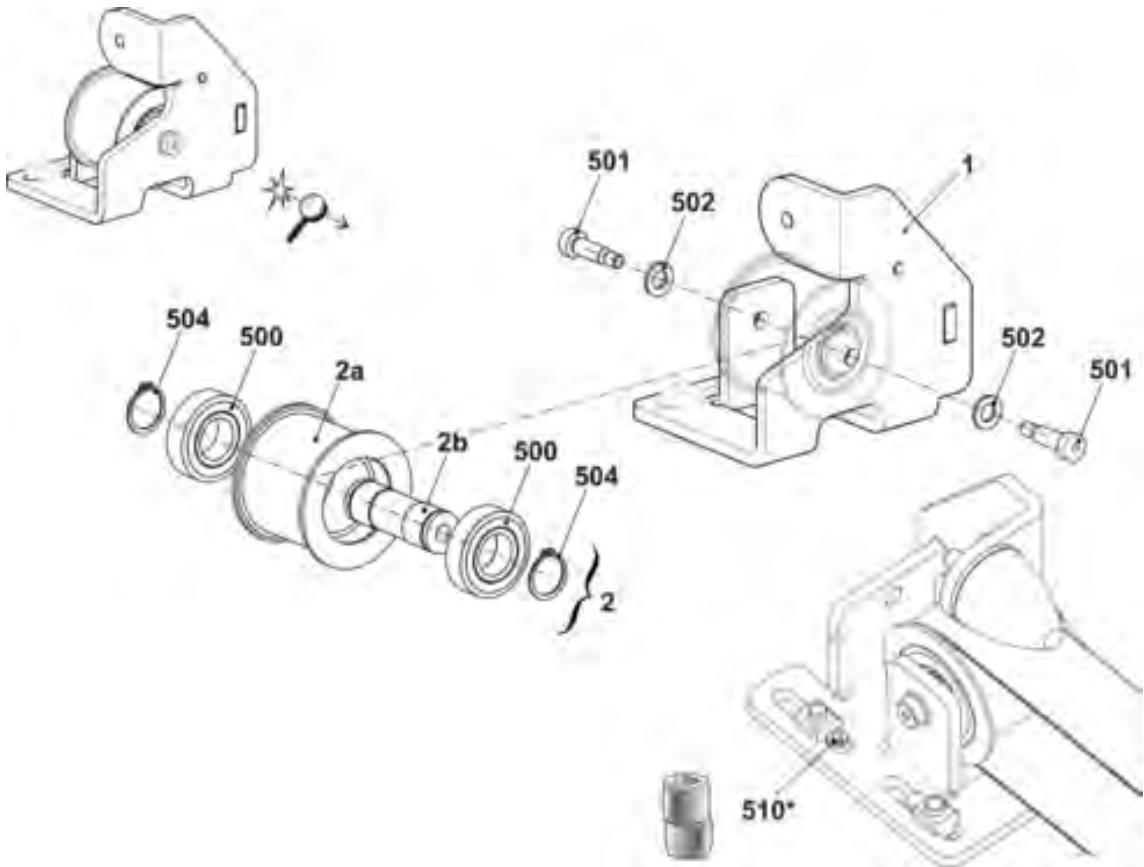
Pos	Designation		Id		Pos	Designation		Id
Σ	Drive unit complete		253 877					
1	Drive unit		258 188			521	Retaining ring68x2.5	022 914
2	Drive bearing complete		255 005			522	Grooved ball bearing 6207-2RS	022 915
	2a	Drive bearing	252 634			523	Tension set 30X55	023 208
	2b	Toothed belt pulley	240 616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



2.1 Drive

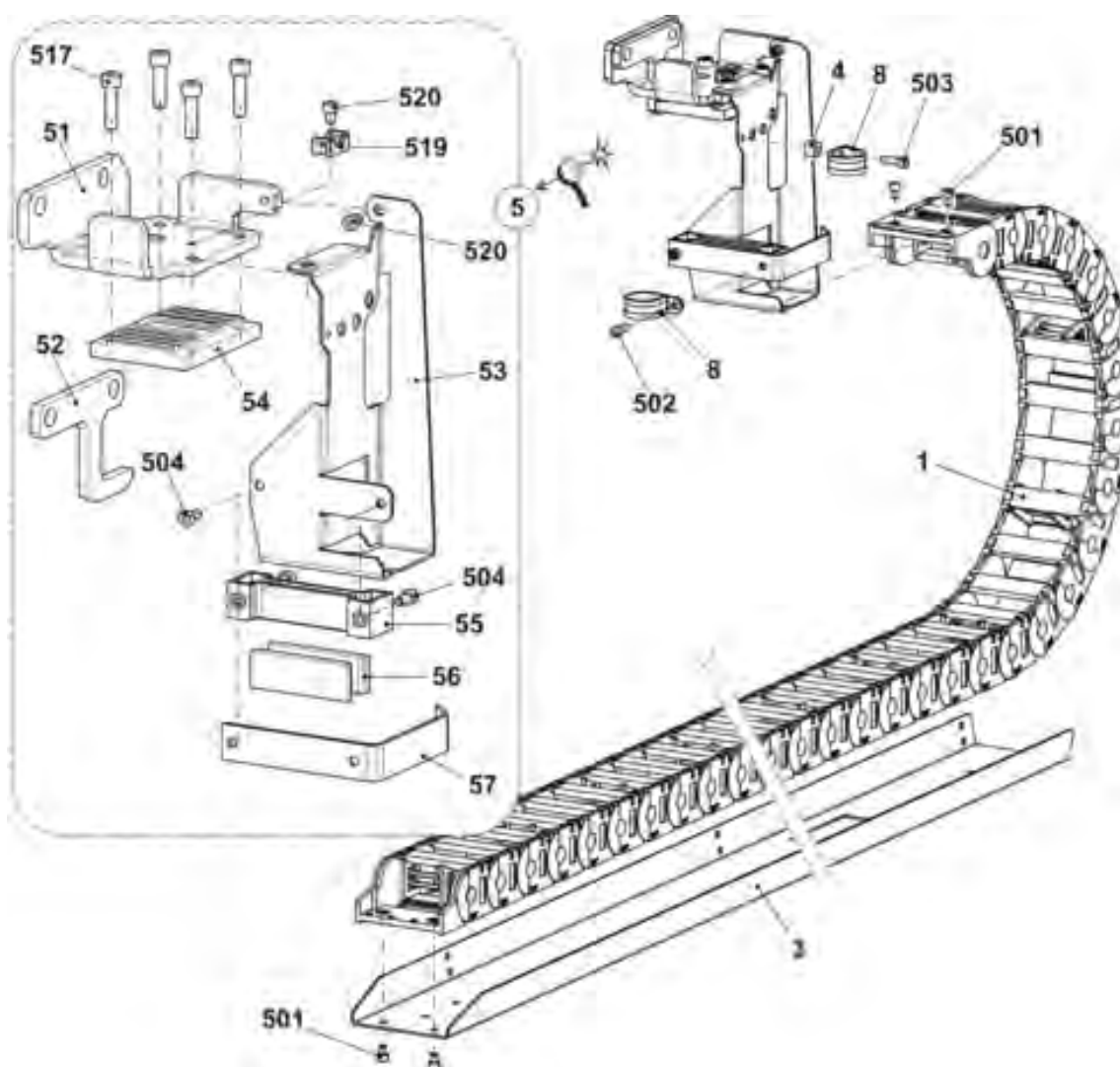
2.1.2 Tension bearing

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



2.1.3 Energy chain and plunger

Pos	Designation		Id		Pos	Designation		Id
1	Energy chain 30 links		259 234		5	Continuation carriage driver complete		
3	Depositing gutter		263 983			53	Cable driver carriage driver	258 378
4	Threaded spacer		214 584			54	Clamping plate	252 592
8	Hose clip		214 653			55	Cable holder	204 688
501	Cap screw M6x8		023 411			56	Cellular caoutchouc black	202 597
502	Cap screw M6x16		020 135			57	Cover strip	258 379
503	Cap screw M6x20		020 136			504	Cap screw M6x16	020 135
5	Carriage driver complete		259 279			517	Cap screw M8x30	020 143
	51	Carriage driver	259 284			519	Fixing element	026 489
	52	Switch flag carriage driver	259 278			520	Cap screw M6x8	023 411



2.1 Drive

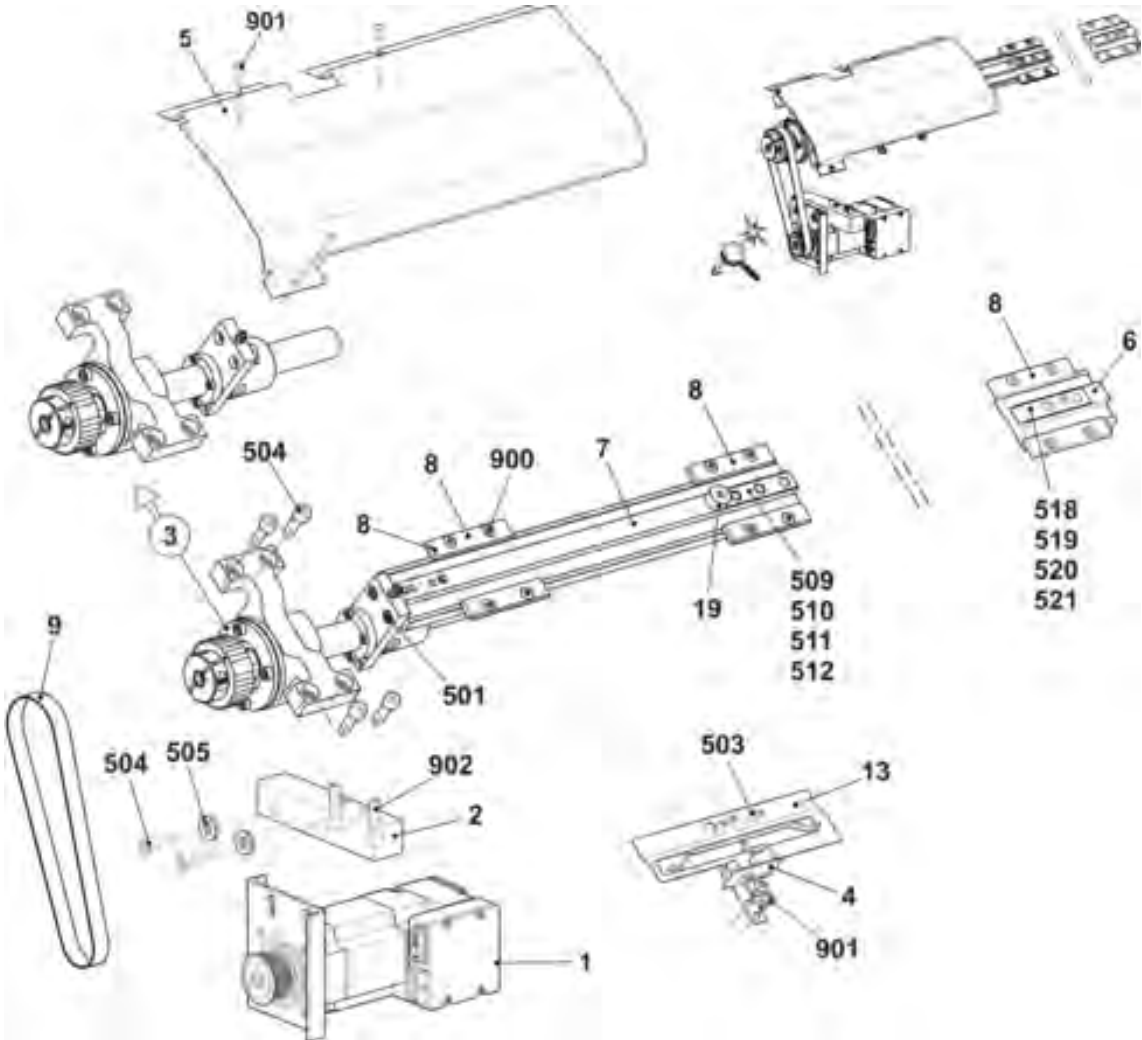
Notes:

3 Racking



3.1 Racking

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



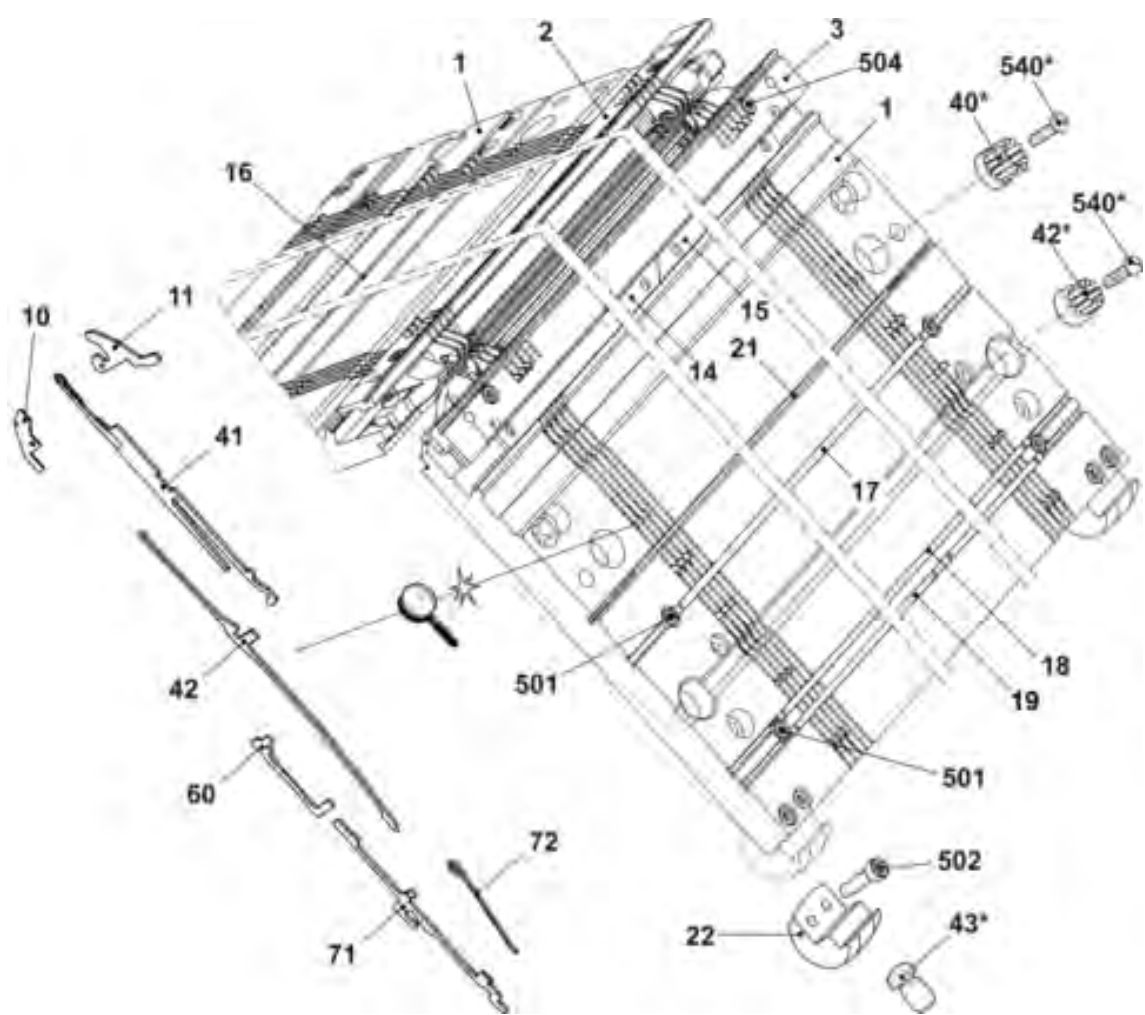
4 Needle beds



4.1 Needle bed E5

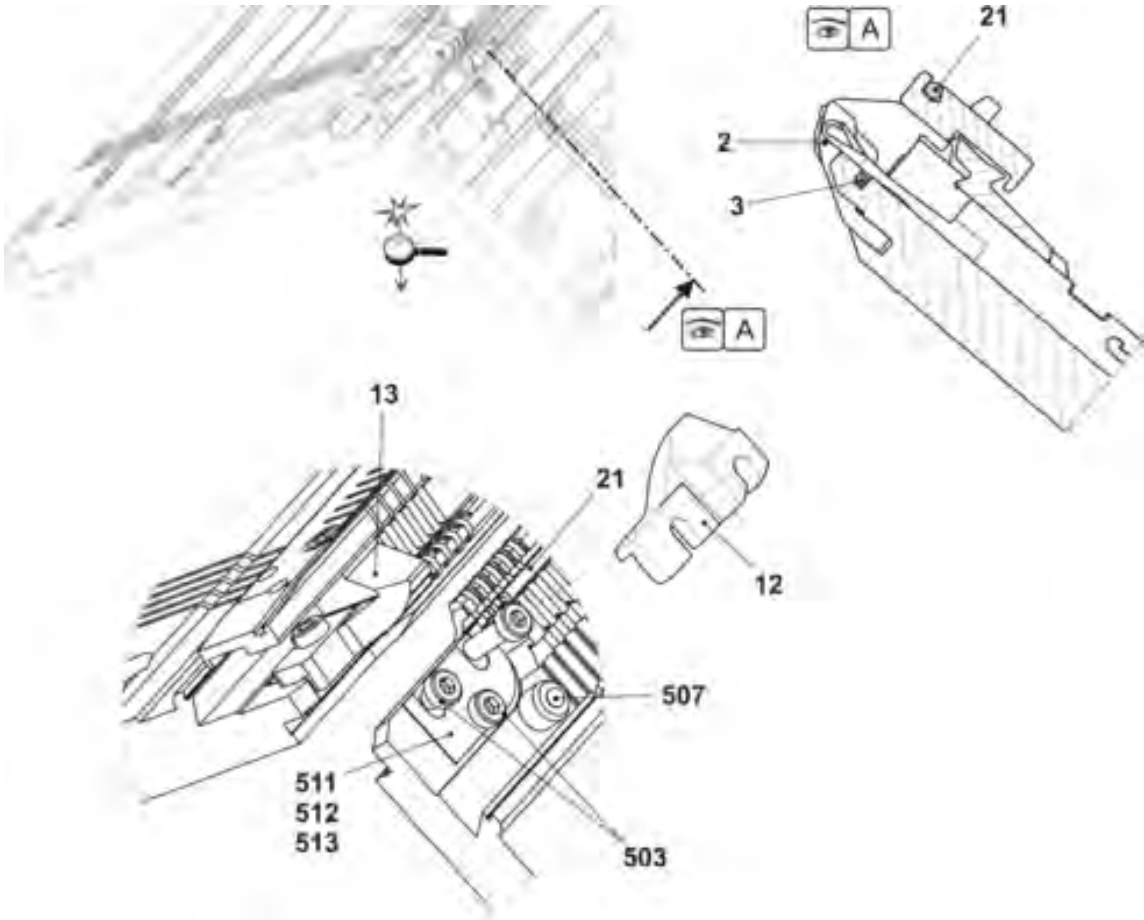
4.1 Needle bed E5

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rearE5	241 492		16	Cover rail at the rear	213 981
1	Needle bed at the front + rear E5	240 378		17	Cover rail at the frontE5	214 033
2	Holding-down jack bed at the rear E5	240 444		18	Cover rail	213 762
3	Holding-down jack bed at the front E5	240 427		19	Cover rail	213 763
41	Needle E5 – E6 with round hook	205 396		21	Locating wire D=2,8 1290mm	213 983
42	Coupling part E5 - E8	253 381		22	Support	241 339
60	Intermediate slider E5 – E8	237 323		501	Cap screw M5x10	022 918
71	Selection jack E4 – E8	200 687		502	Cap screw M6x25	020 137
72	Selector spring E4 – E8	200 690		504	Cap screw M5x22	023 193
10	Knock-over bit E5	204 996		40*	Disk brush	235 612
11	Holding-down jack E5	205 031		42*	Disk brush	202 600
14	Needle bar on the left	213 998		43*	Adjusting bolt	240 765
15	Needle bar on the right	213 999		540*	Cap screw M5x12	020 032



4.1.1 Continuation needle bed E5

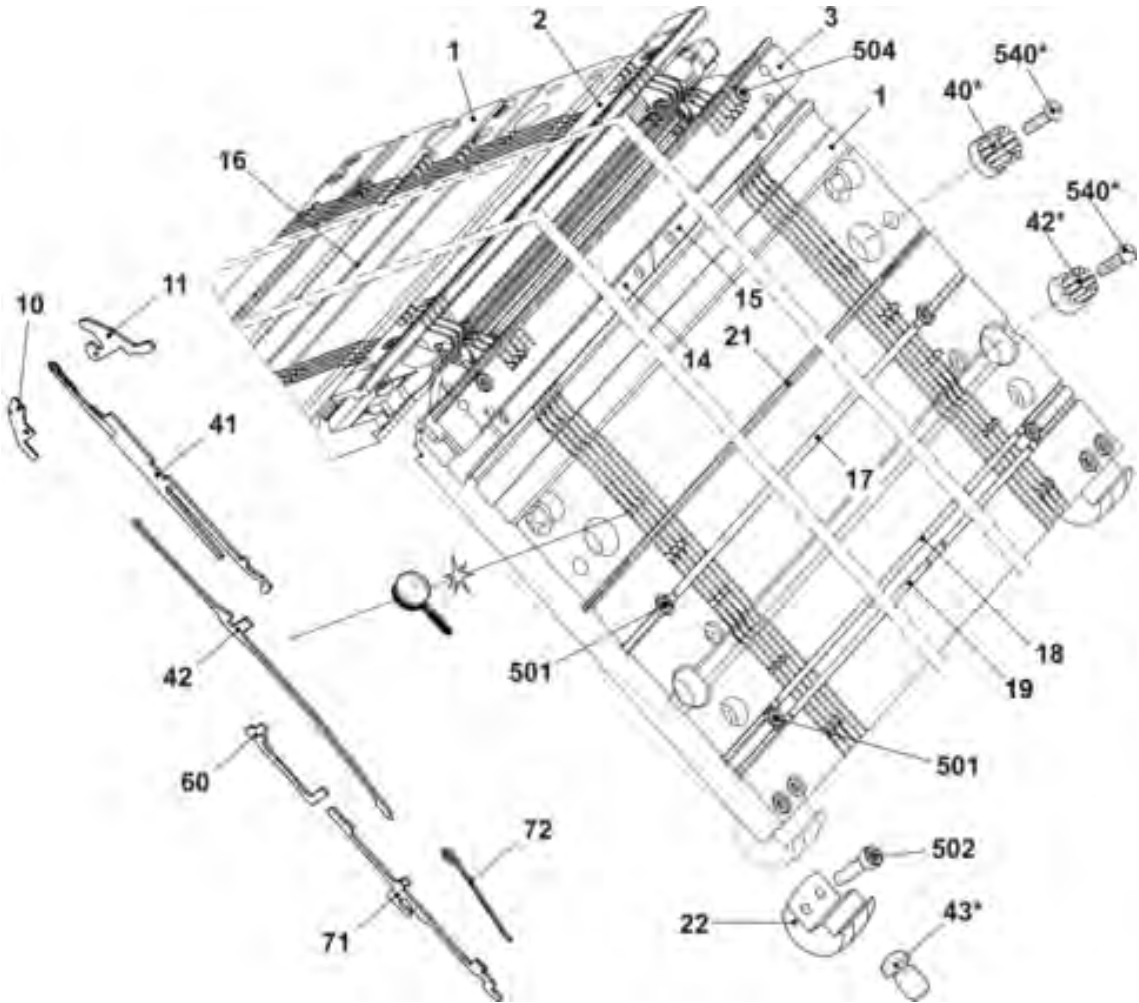
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire ø1,0	213 988		503	Locating wire ø2,8	023 154
3	Spring steel wire ø 2,0	213 996		507	Springy thrust piece	023 177
12	Limiter on the left E4-8	205 344		511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4-8	213 983		512	Shim0,1x18,5x34	023 197
21	Spring steel wire ø2,0	205 343		513	Shim0,2x18,5x34	023 253



4.2 Needle bed E7

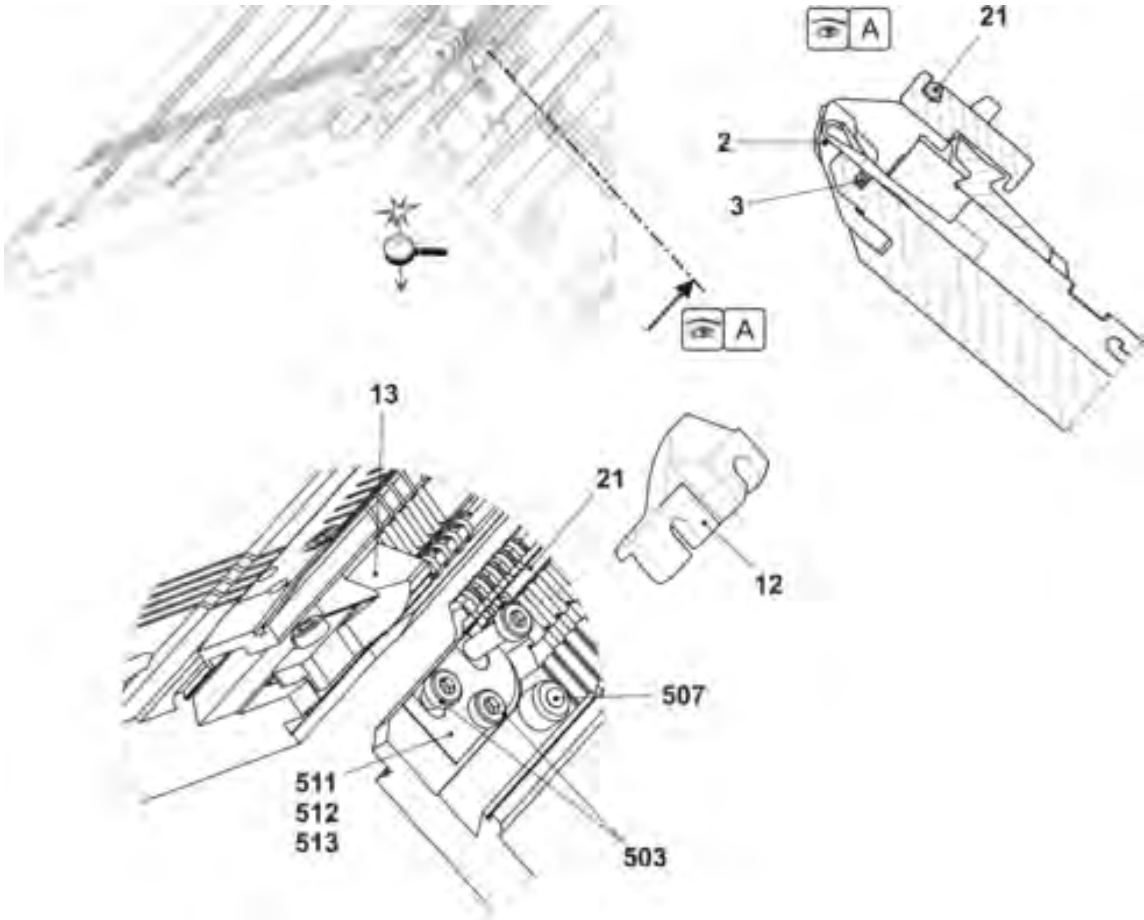
4.2 Needle bed E7

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rearE7	241 493		16	Cover rail at the rear	213 981
1	Needle bed at the front + rear E7	240 379		17	Cover rail at the frontE7	214 034
2	Holding-down jack bed at the rear E7	240 445		18	Cover rail	213 762
3	Holding-down jack bed at the front E7	240 428		19	Cover rail	213 763
41	Needle E7 with round hook	205 397		21	Locating wire D=2,8 1290mm	213 983
42	Coupling part E5 - E8	253 381		22	Support	241 339
60	Intermediate slider E5 - E8	237 323		501	Cap screw M5x10	022 918
71	Selection jack E4 - E8	200 687		502	Cap screw M6x25	020 137
72	Selector spring E4 - E8	200 690		504	Cap screw M5x22	023 193
10	Knock-over bit E7	207 055		40*	Disk brush	235 612
11	Holding-down jack E7	205 032		42*	Disk brush	202 600
14	Needle bar on the left	213 998		43*	Adjusting bolt	240 765
15	Needle bar on the right	213 999		540*	Cap screw M5x12	020 032



4.2.1 Continuation needle bed E7

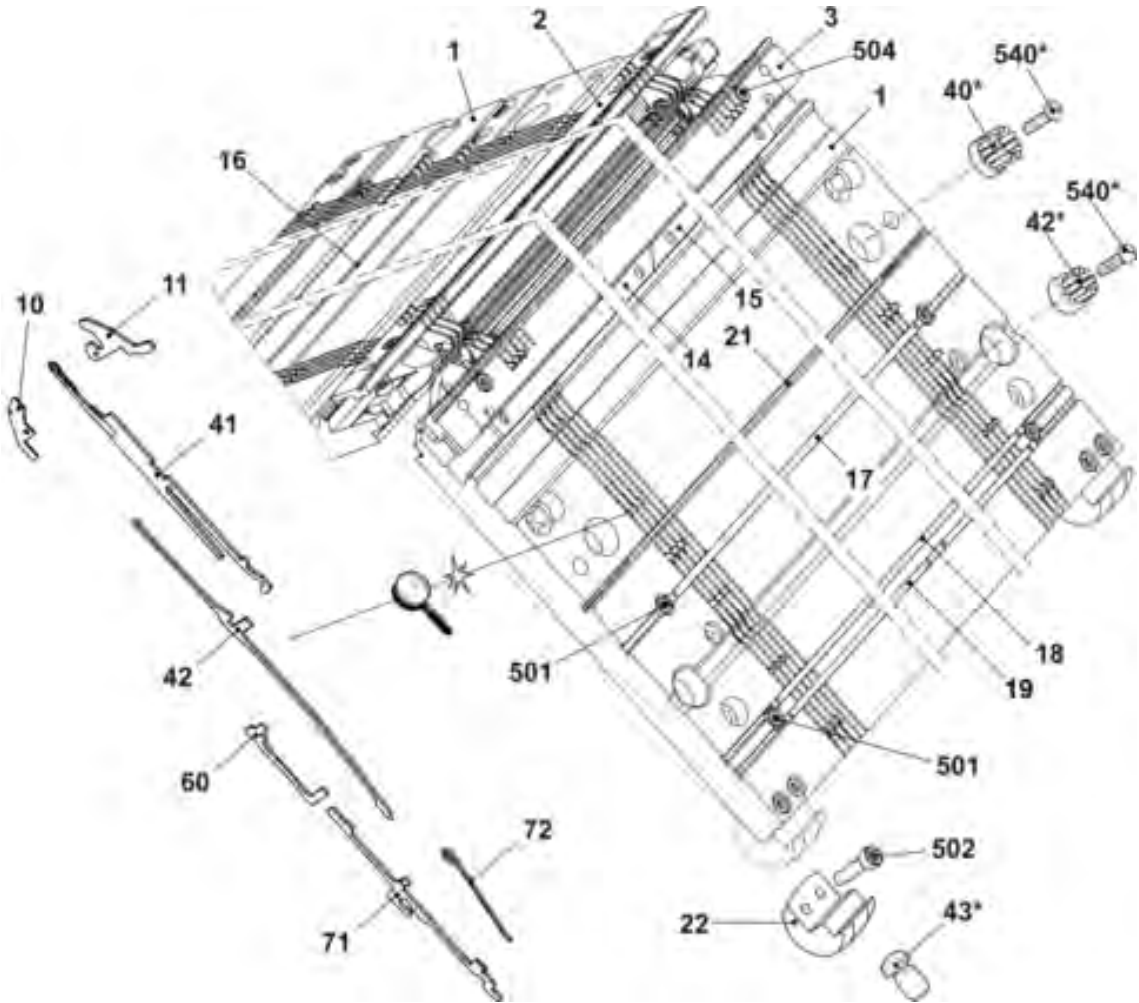
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire $\varnothing 0,8$	213 989		503	Cap screw M5x8	023 154
3	Spring steel wire $\varnothing 2,0$	213 996		507	Springy thrust piece	023 177
12	Limiter on the left E4-8	205 343		511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4-8	205 344		512	Shim0,1x18,5x34	023 197
21	Locating wire $\varnothing 2,8$	213 983		513	Shim0,2x18,5x34	023 253



4.3 Needle bed E8

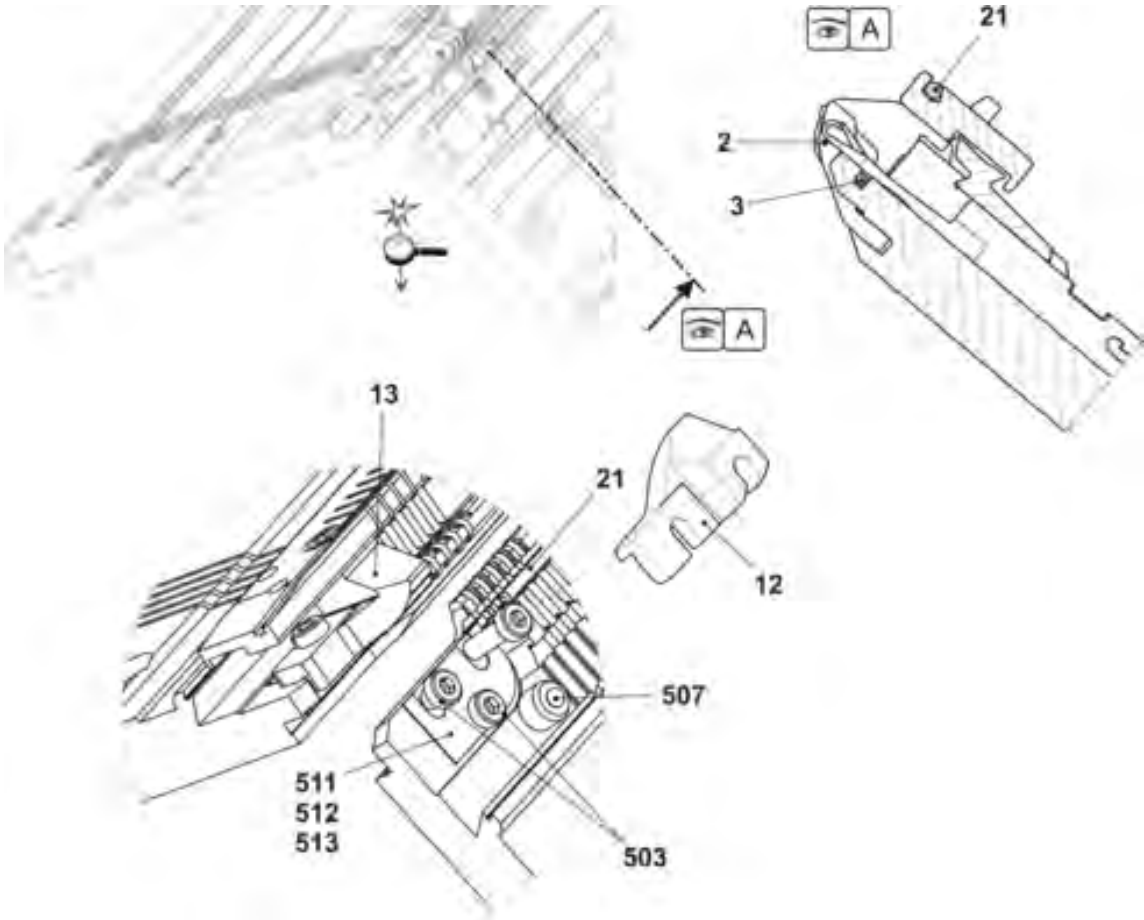
4.3 Needle bed E8

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rearE8	241 494		16	Cover rail at the rear	213 981
1	Needle bed at the front + rear E8	240 380		17	Cover rail at the frontE8	214 035
2	Holding-down jack bed at the rear E8	240 446		18	Cover rail	213 762
3	Holding-down jack bed at the front E8	240 429		19	Cover rail	213 763
41	Needle E8 with round hook	208 745		21	Locating wire D=2,8 1290mm	213 983
42	Coupling part E5 - E8	253 381		22	Support	241 339
60	Intermediate slider E5 - E8	237 323		501	Cap screw M5x10	022 918
71	Selection jack E4 - E8	200 687		502	Cap screw M6x25	020 137
72	Selector spring E4 - E8	200 690		504	Cap screw M5x22	023 193
10	Knock-over bit E8	207 054		40*	Disk brush	235 612
11	Holding-down jack E8	205 028		42*	Disk brush	202 600
14	Needle bar on the left	213 998		43*	Adjusting bolt	240 765
15	Needle bar on the right	213 999		540*	Cap screw M5x12	020 032



4.3.1 Continuation needle bed E8

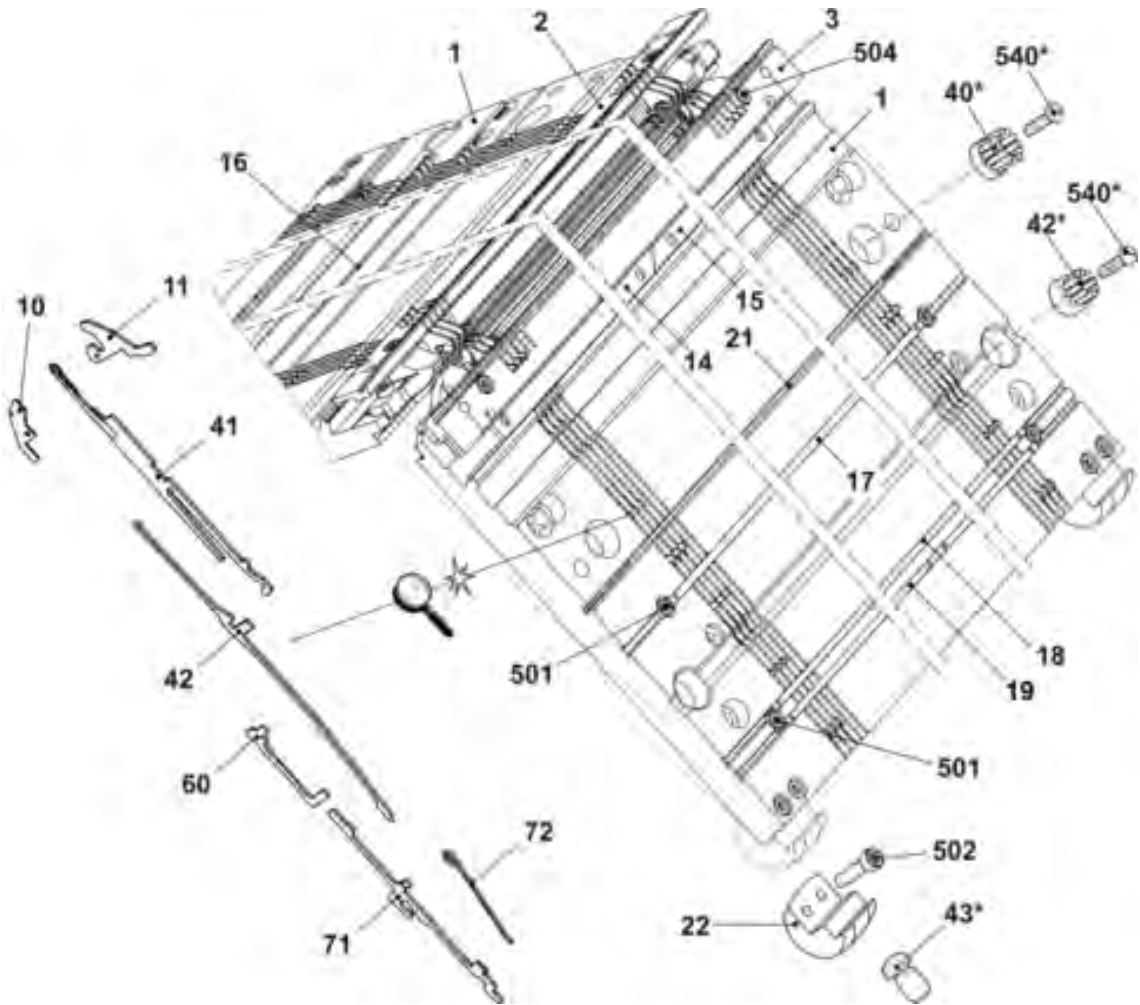
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire $\varnothing 0,8$	213 989		503	Cap screw M5x8	023 154
3	Spring steel wire $\varnothing 2,0$	213 996		507	Springy thrust piece	023 177
12	Limiter on the left E4-8	205 343		511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4-8	205 344		512	Shim0,1x18,5x34	023 197
21	Locating wire $\varnothing 2,8$	213 983		513	Shim0,2x18,5x34	023 253



4.4 Needle bed E5m.4

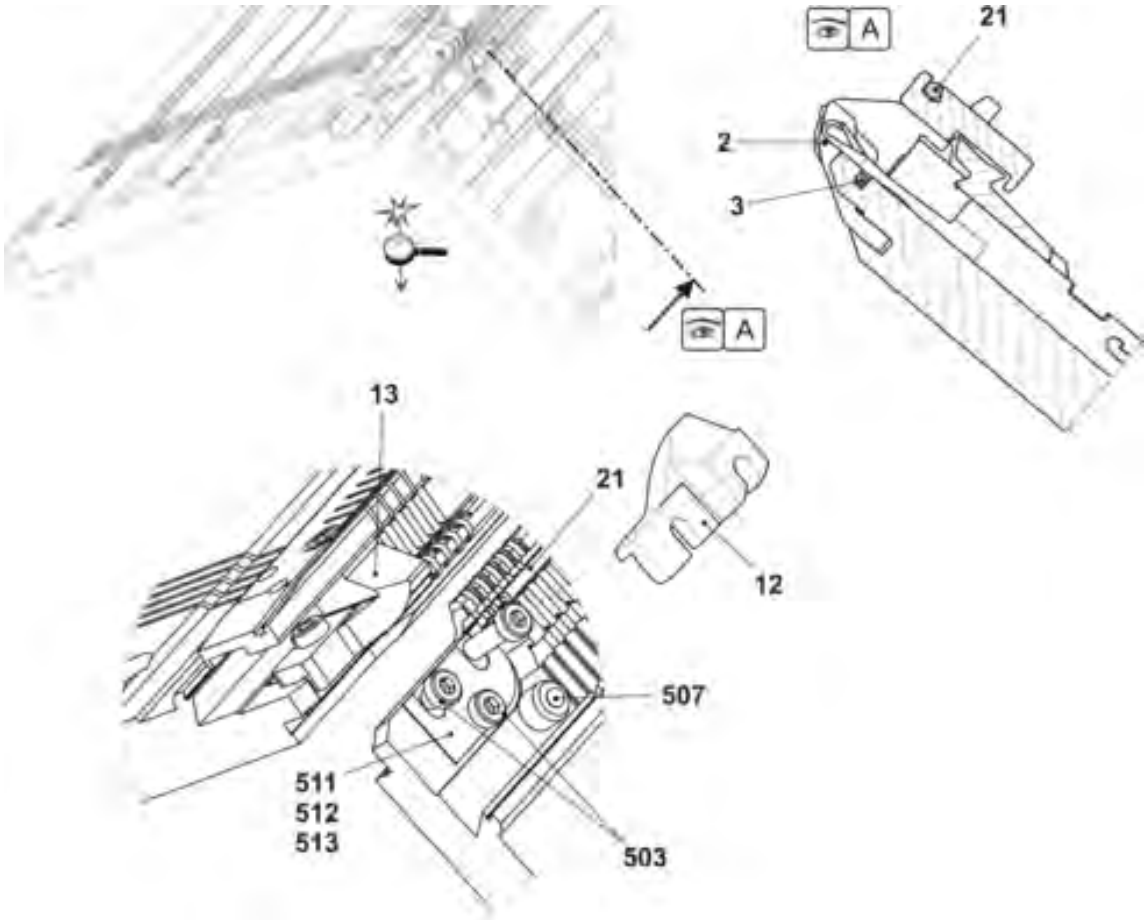
4.4 Needle bed E5m.4

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rearE5m.4	241 501		16	Cover rail at the rear	213 981
1	Needle bed at the front + rear E5	240 378		17	Cover rail at the frontE5	214 033
2	Holding-down jack bed at the rear E5	240 444		18	Cover rail	213 762
3	Holding-down jack bed at the front E5	240 427		19	Cover rail	213 763
41	Needle E2,5.2 - E3,5.2	232 581		21	Locating wire D=2,8 1290mm	213 983
42	Coupling part E5 - E8	253 381		22	Support	241 339
60	Intermediate slider E5 - E8	237 323		501	Cap screw M5x10	022 918
71	Selection jack E4 - E8	200 687		502	Cap screw M6x25	020 137
72	Selector spring E4 - E8	200 690		504	Cap screw M5x22	023 193
10	Knock-over bit E5	204 996		40*	Disk brush	235 612
11	Holding-down jack E5	205 031		42*	Disk brush	202 600
14	Needle bar on the left	213 998		43*	Adjusting bolt	240 765
15	Needle bar on the right	213 999		540*	Cap screw M5x12	020 032



4.4.1 Continuation needle bed E5m.4

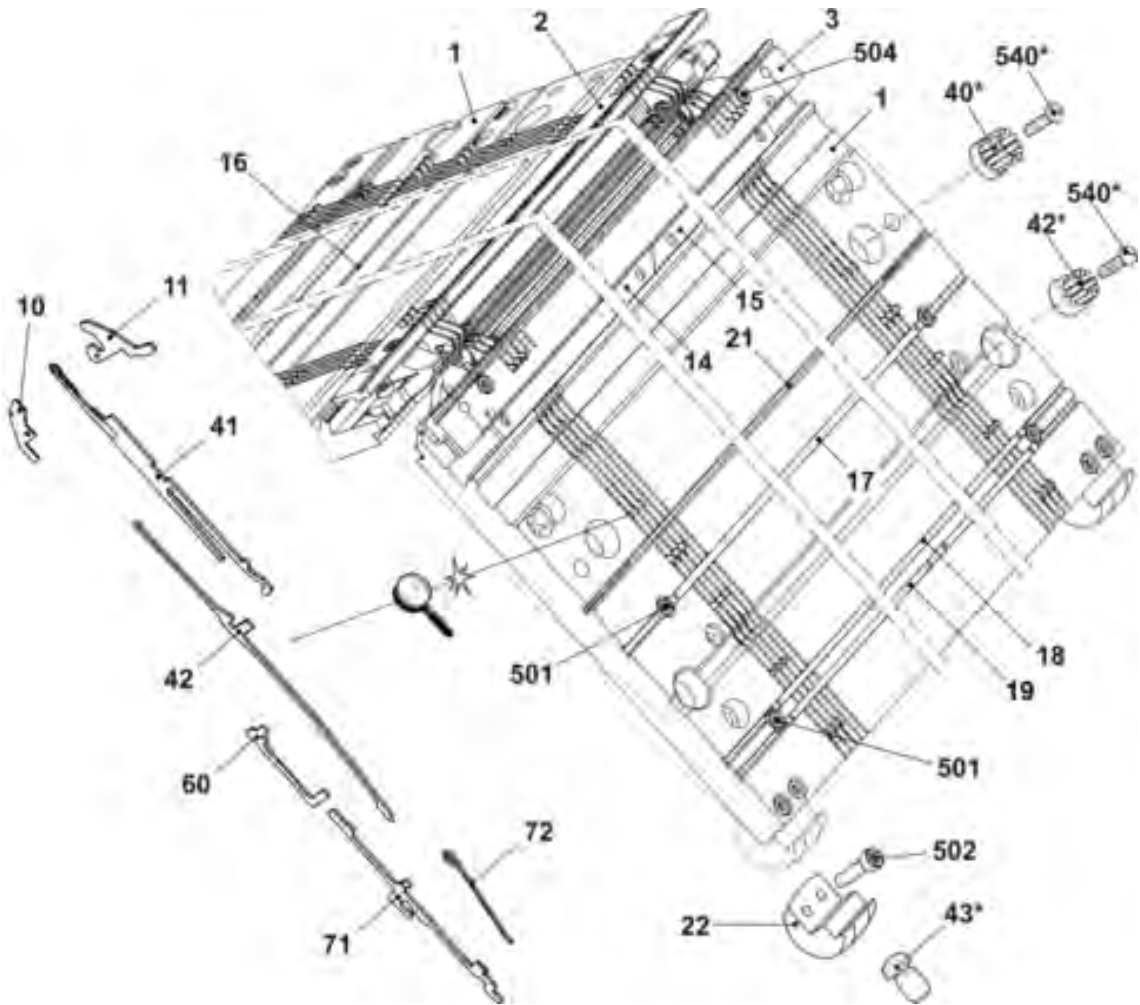
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire $\varnothing 1,0$	213 988		503	Cap screw M5x8	023 154
3	Spring steel wire $\varnothing 2,0$	213 996		507	Springy thrust piece	023 177
12	Limiter on the left E4 - E8	205 343		511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4 - E8	205 344		512	Shim0,1x18,5x34	023 197
21	Locating wire $\varnothing 2,8$	213 983		513	Shim0,2x18,5x34	023 253



4.5 Needle bed E7m.5

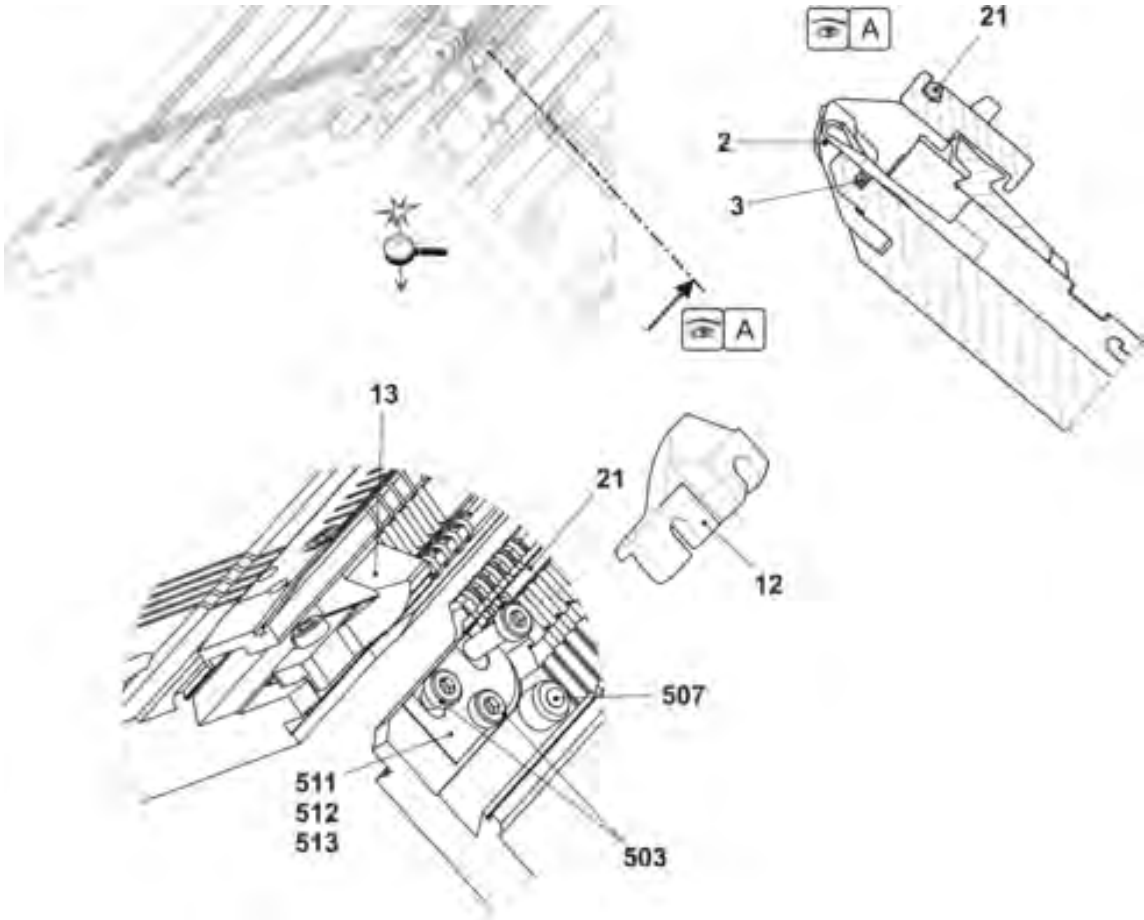
4.5 Needle bed E7m.5

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rearE7m.5	241 502		16	Cover rail at the rear	213 981
1	Needle bed at the front + rear E7	240 379		17	Cover rail at the frontE7	214 034
2	Holding-down jack bed at the rear E7	240 445		18	Cover rail	213 762
3	Holding-down jack bed at the front E7	240 428		19	Cover rail	213 763
41	Needle E5 - E6 with round hook	205 396		21	Locating wire D=2,8 1290mm	213 983
42	Coupling part E5 - E8	253 381		22	Support	241 339
60	Intermediate slider E5 - E8	237 323		501	Cap screw M5x10	022 918
71	Selection jack E4 - E8	200 687		502	Cap screw M6x25	020 137
72	Selector spring E4 - E8	200 690		504	Cap screw M5x22	023 193
10	Knock-over bit E7	207 055		40*	Disk brush	235 612
11	Holding-down jack E7	205 032		42*	Disk brush	202 600
14	Needle bar on the left	213 998		43*	Adjusting bolt	240 765
15	Needle bar on the right	213 999		540*	Cap screw M5x12	020 032



4.5.1 Continuation needle bed E7m.5

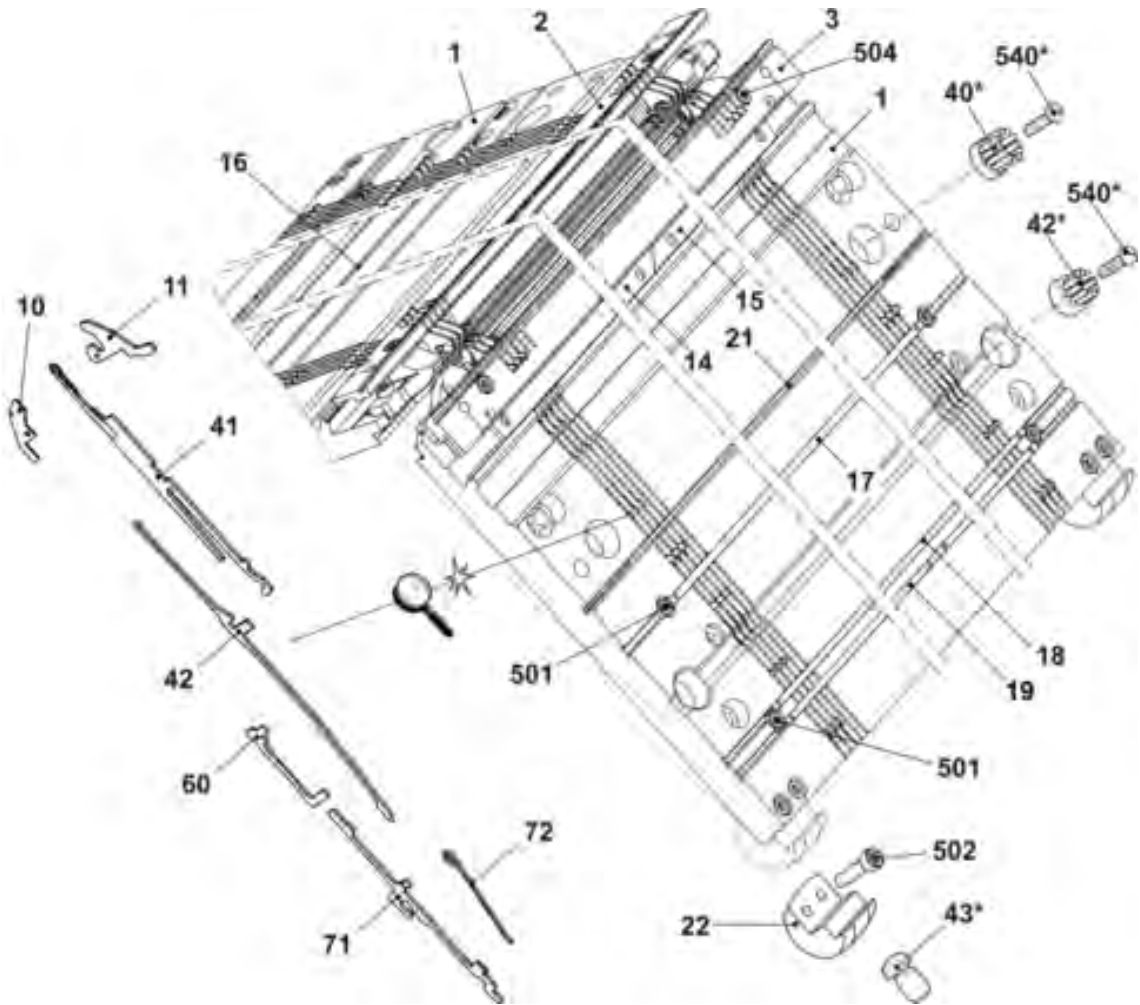
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire $\varnothing 0,8$	213 989		503	Cap screw M5x8	023 154
3	Spring steel wire $\varnothing 2,0$	213 996		507	Springy thrust piece	023 177
12	Limiter on the left E4-8	205 343		511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4-8	205 344		512	Shim0,1x18,5x34	023 197
21	Locating wire $\varnothing 2,8$	213 983		513	Shim0,2x18,5x34	023 253



4.6 Needle bed E7m.8

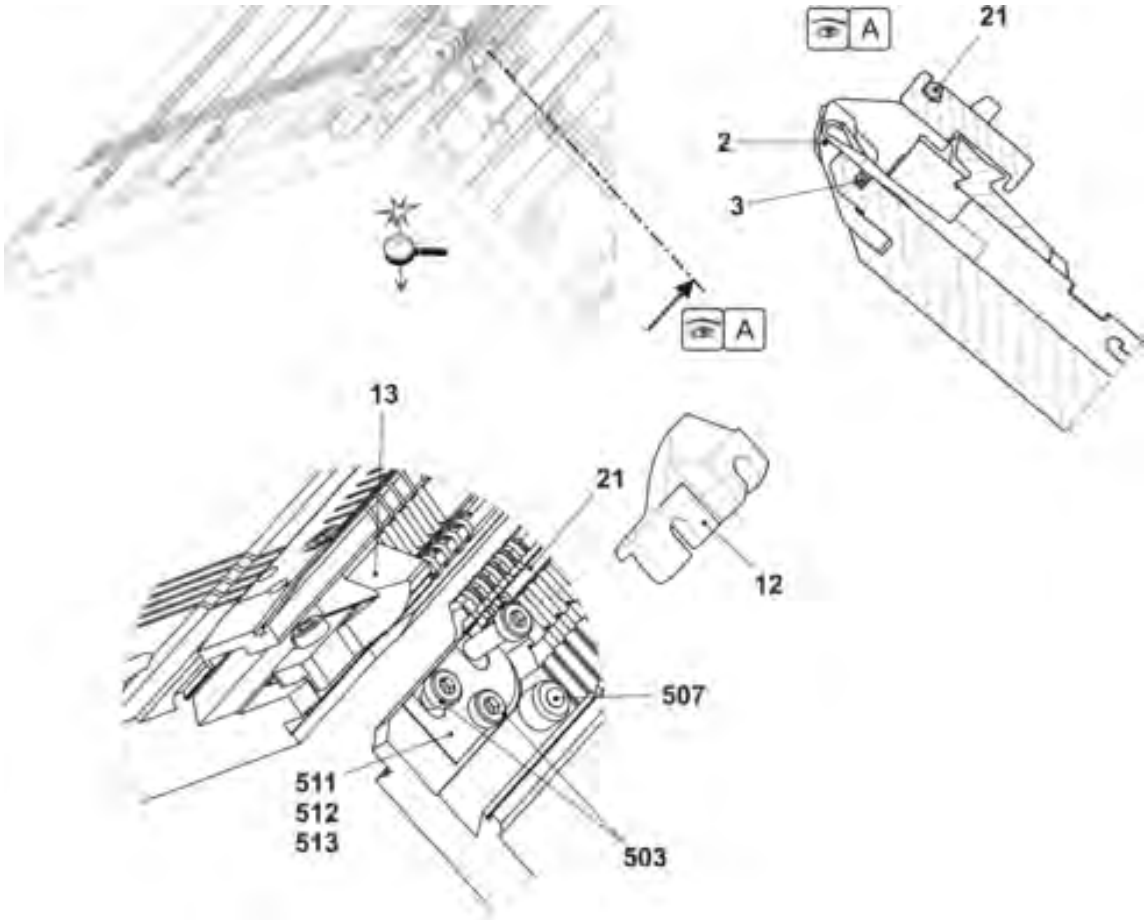
4.6 Needle bed E7m.8

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rearE7m.8	241 503		16	Cover rail at the rear	213 981
1	Needle bed at the front + rear E7	240 379		17	Cover rail at the frontE7	214 034
2	Holding-down jack bed at the rear E7	240 445		18	Cover rail	213 762
3	Holding-down jack bed at the front E7	240 428		19	Cover rail	213 763
41	Needle E8 with round hook	208 745		21	Locating wire D=2,8 1290mm	213 983
42	Coupling part E5 - E8	253 381		22	Support	241 339
60	Intermediate slider E5 - E8	237 323		501	Cap screw M5x10	022 918
71	Selection jack E4 - E8	200 687		502	Cap screw M6x25	020 137
72	Selector spring E4 - E8	200 690		504	Cap screw M5x22	023 193
10	Knock-over bit E7	207 055		40*	Disk brush	235 612
11	Holding-down jack E7	205 032		42*	Disk brush	202 600
14	Needle bar on the left	213 998		43*	Adjusting bolt	240 765
15	Needle bar on the right	213 999		540*	Cap screw M5x12	020 032



4.6.1 Continuation needle bed E7m.8

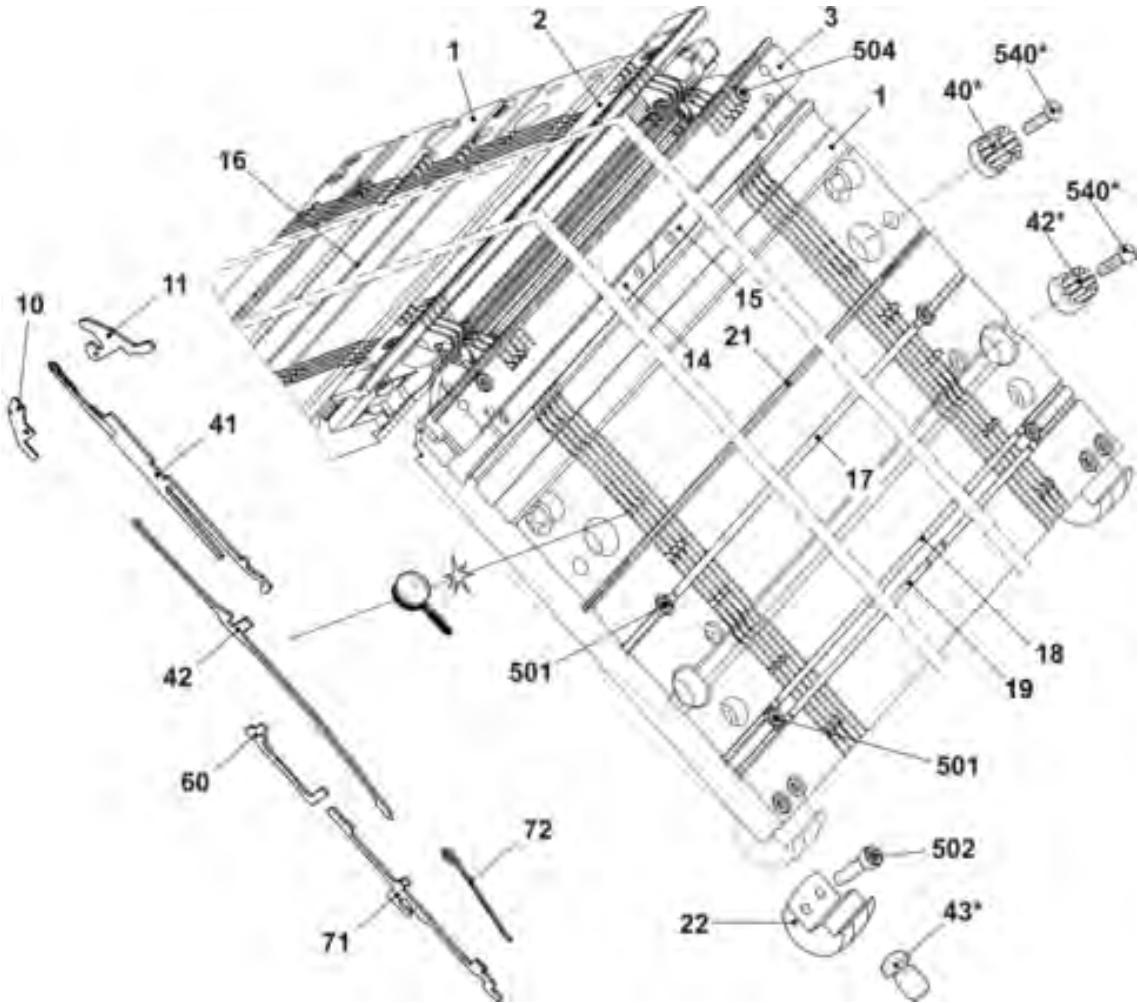
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire $\varnothing 0,8$	213 989		503	Cap screw M5x8	023 154
3	Spring steel wire $\varnothing 2,0$	213 996		507	Springy thrust piece	023 177
12	Limiter on the left E4-8	205 343		511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4-8	205 344		512	Shim0,1x18,5x34	023 197
21	Locating wire $\varnothing 2,8$	213 983		513	Shim0,2x18,5x34	023 253



4.7 Needle bed E8m.7

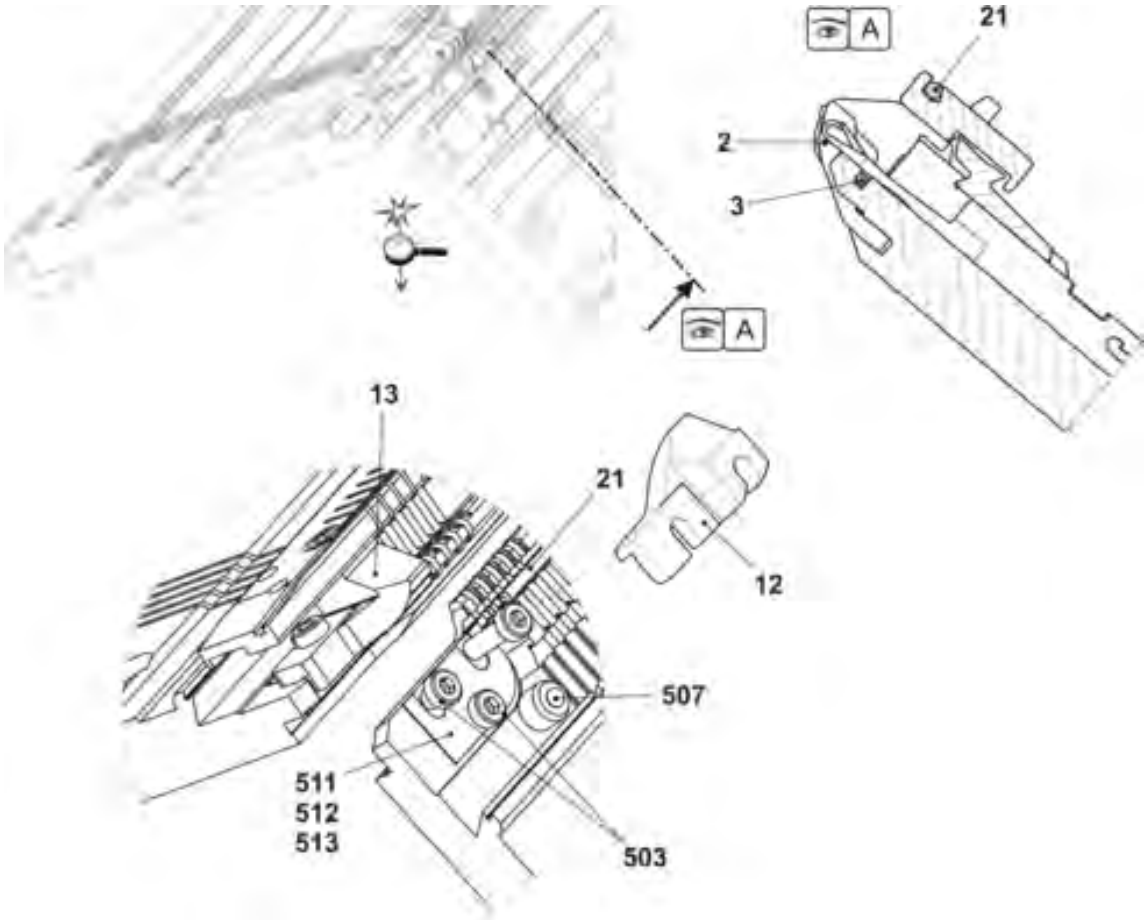
4.7 Needle bed E8m.7

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rearE8m.7	241 504		16	Cover rail at the rear	213 981
1	Needle bed at the front + rear E8	240 380		17	Cover rail at the frontE8	214 035
2	Holding-down jack bed at the rear E8	240 446		18	Cover rail	213 762
3	Holding-down jack bed at the front E8	240 429		19	Cover rail	213 763
41	Needle E7 with round hook	205 397		21	Locating wire D=2,8 1290mm	213 983
42	Coupling part E5 - E8	253 381		22	Support	241 339
60	Intermediate slider E5 - E8	237 323		501	Cap screw M5x10	022 918
71	Selection jack E4 - E8	200 687		502	Cap screw M6x25	020 137
72	Selector spring E4 - E8	200 690		504	Cap screw M5x22	023 193
10	Knock-over bit E8	207 054		40*	Disk brush	235 612
11	Holding-down jack E8	205 028		42*	Disk brush	202 600
14	Needle bar on the left	213 998		43*	Adjusting bolt	240 765
15	Needle bar on the right	213 999		540*	Cap screw M5x12	020 032



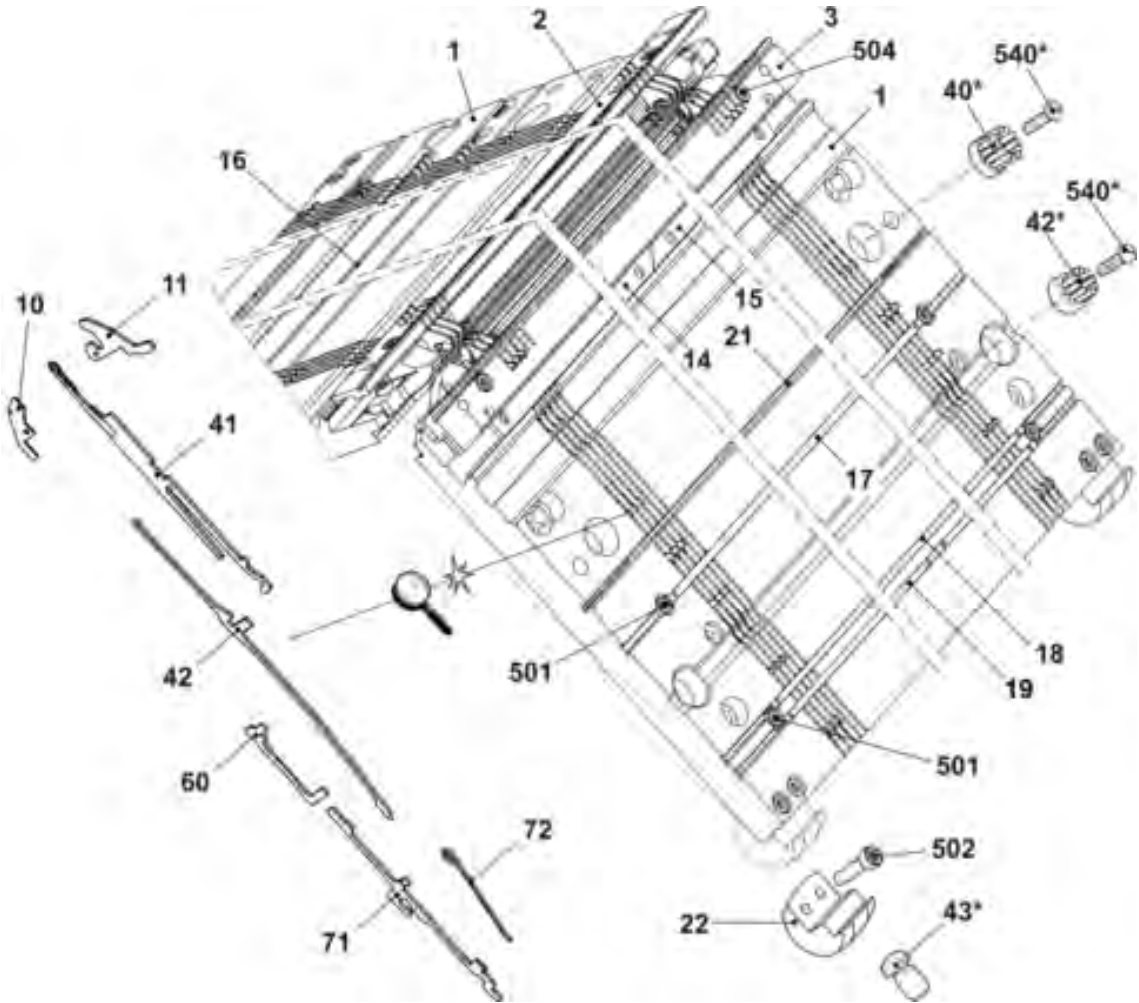
4.7.1 Continuation needle bed E8m.7

Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire $\varnothing 0,8$	213 989		503	Cap screw M5x8	023 154
3	Spring steel wire $\varnothing 2,0$	213 996		507	Springy thrust piece	023 177
12	Limiter on the left E4-8	205 343		511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4-8	205 344		512	Shim0,1x18,5x34	023 197
21	Locating wire $\varnothing 2,8$	213 983		513	Shim0,2x18,5x34	023 253



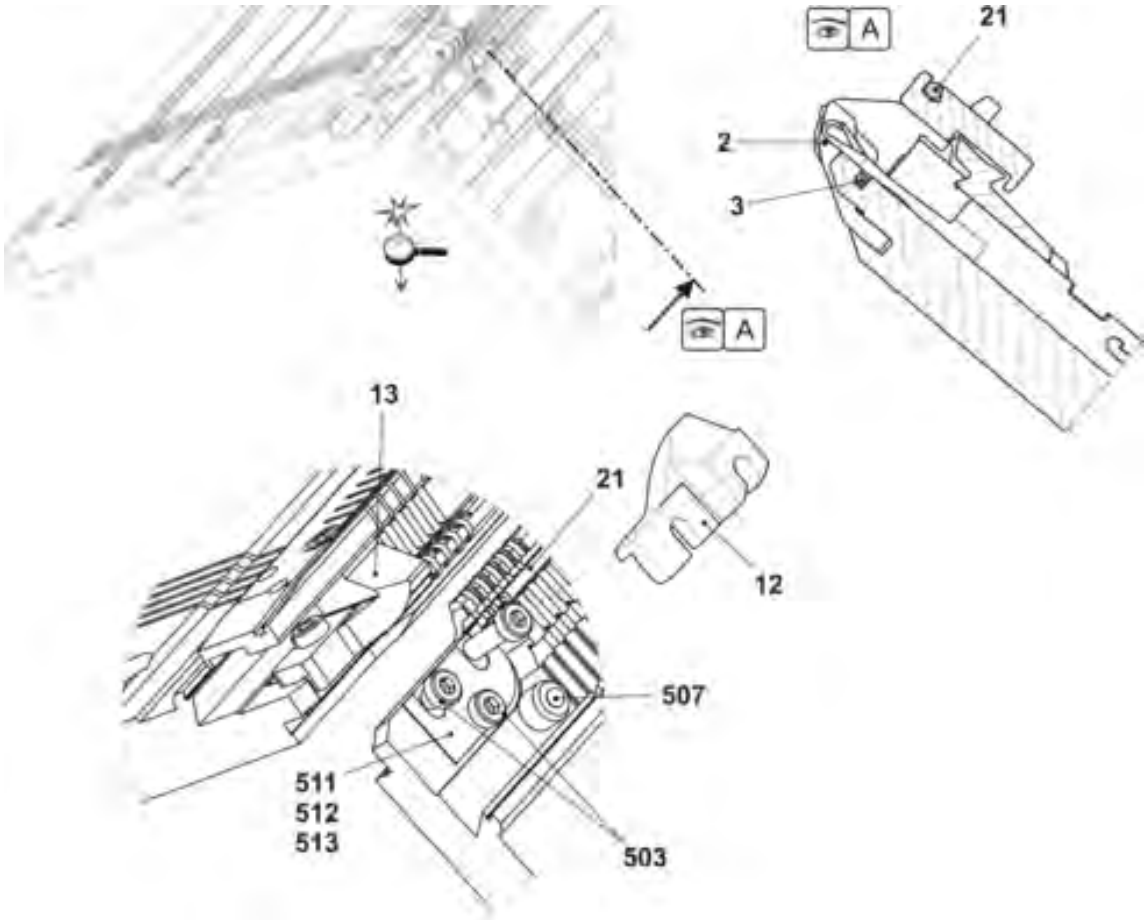
4.8 Needle bed E3,5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rearE3,5.2	241 508		16	Cover rail at the rear	213 981
1	Needle bed at the front + rear E7	240 379		17	Cover rail at the frontE7	214 034
2	Holding-down jack bed at the rear E3,5.2	240 453		18	Cover rail	213 762
3	Holding-down jack bed at the front E3,5.2	240 436		19	Cover rail	213 763
41	Needle E2,5.2 E3,5.2	232 581		21	Locating wire D=2,8 1290mm	213 983
42	Coupling part E5 - E8	253 381		22	Support	241 339
60	Intermediate slider E5 - E8	237 323		501	Cap screw M5x10	022 918
71	Selection jack E4 - E8	200 687		502	Cap screw M6x25	020 137
72	Selector spring E4 - E8	200 690		504	Cap screw M5x22	023 193
10	Knock-over bit E7	207 055		40*	Disk brush	235 612
11	Holding-down jack E7	205 032		42*	Disk brush	202 600
14	Needle bar on the left	213 998		43*	Adjusting bolt	240 765
15	Needle bar on the right	213 999		540*	Cap screw M5x12	020 032



4.8.1 Continuation needle bed E3,5.2

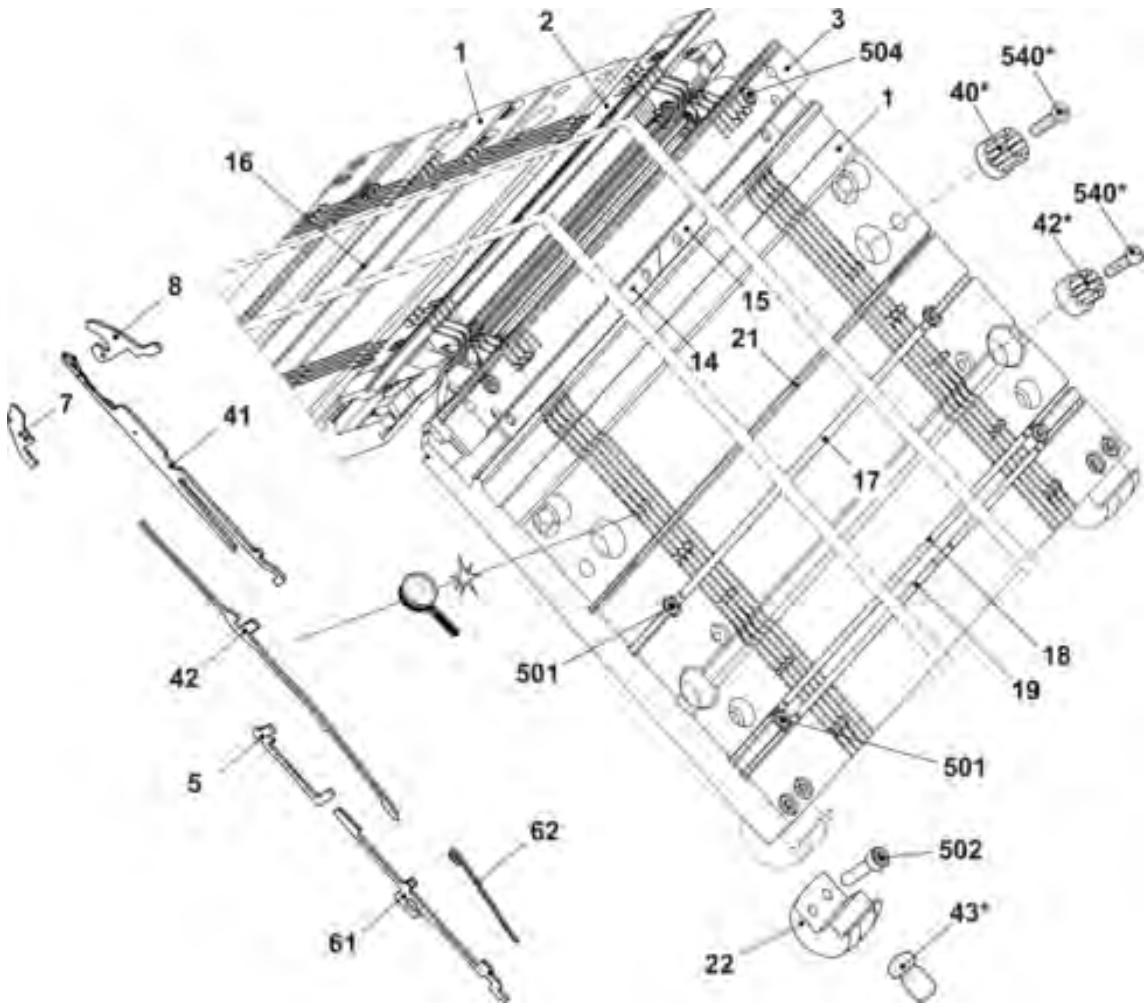
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire $\varnothing 0,8$	213 989		503	Cap screw M5x8	023 154
3	Spring steel wire $\varnothing 2,0$	213 996		507	Springy thrust piece	023 177
12	Limiter on the left E4 - E8	205 343		511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4 - E8	205 344		512	Shim0,1x18,5x34	023 197
21	Locating wire $\varnothing 2,8$	213 983		513	Shim0,2x18,5x34	023 253



4.9 Needle bed E3,5.2m.4L

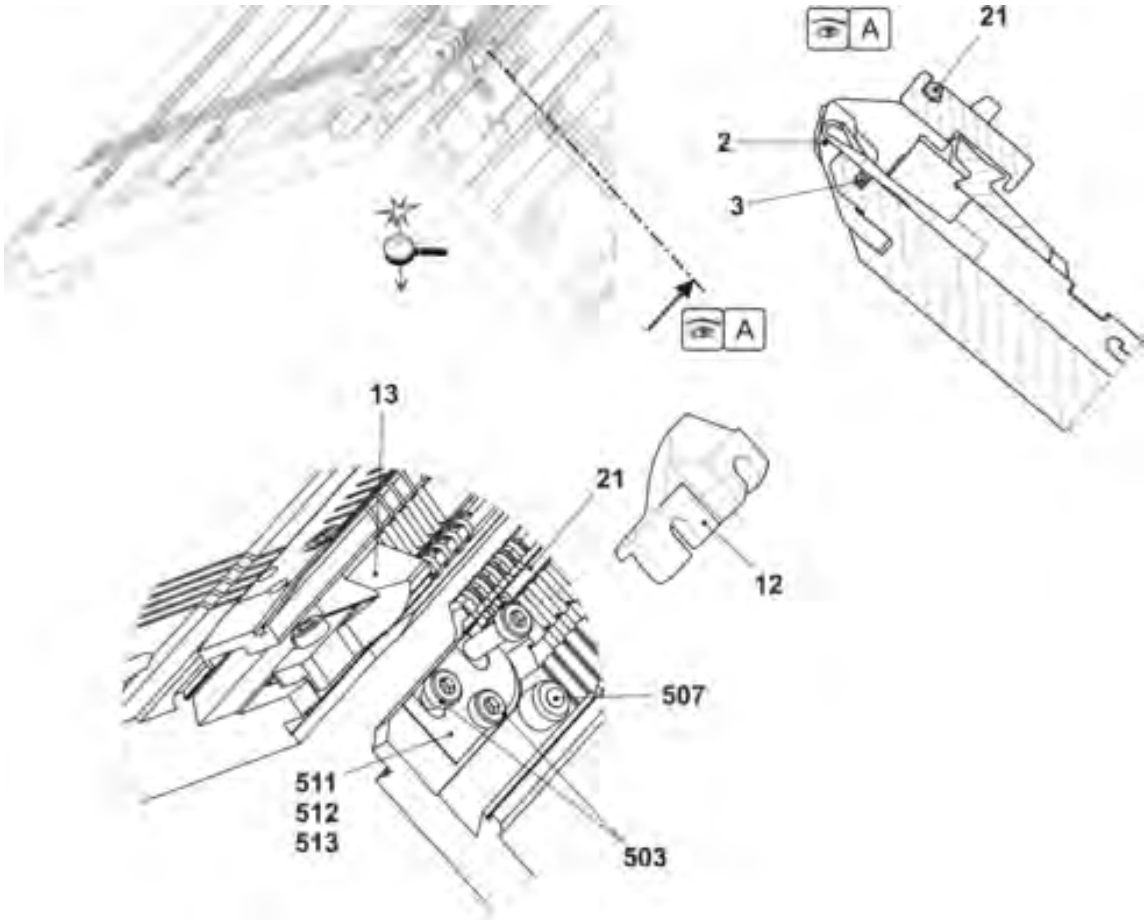
4.9 Needle bed E3,5.2m.4L

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E3,5.2m.4L	260 094		16	Cover rail at the rear	213 981
1	Needle bed at the front + rear E7	240 379		17	Cover rail at the frontE7	214 034
2	Holding-down jack bed at the rear E3,5.2	240 453		18	Cover rail	213 762
3	Holding-down jack bed at the front E3,5.2	240 436		19	Cover rail	213 763
41	Needle E2,5.2+3,5.2m.4L	258 694		21	Locating wire D=2,8 1290mm	213 983
42	Coupling part E5 - E8	253 381		22	Support	241 339
5	Intermediate slider E5 - E8	237 323		501	Cap screw M5x10	022 918
61	Selection jack E4 - E8	200 687		502	Cap screw M6x25	020 137
62	Selector spring E4 - E8	200 690		504	Cap screw M5x22	023 193
7	Knock-over bit E7	207 055		40*	Disk brush	235 612
8	Holding-down jack E7	205 032		42*	Disk brush	202 600
14	Needle bar on the left	213 998		43*	Adjusting bolt	240 765
15	Needle bar on the right	213 999		540*	Cap screw M5x12	020 032



4.9.1 Continuation needle bed E3,5.2m.4L

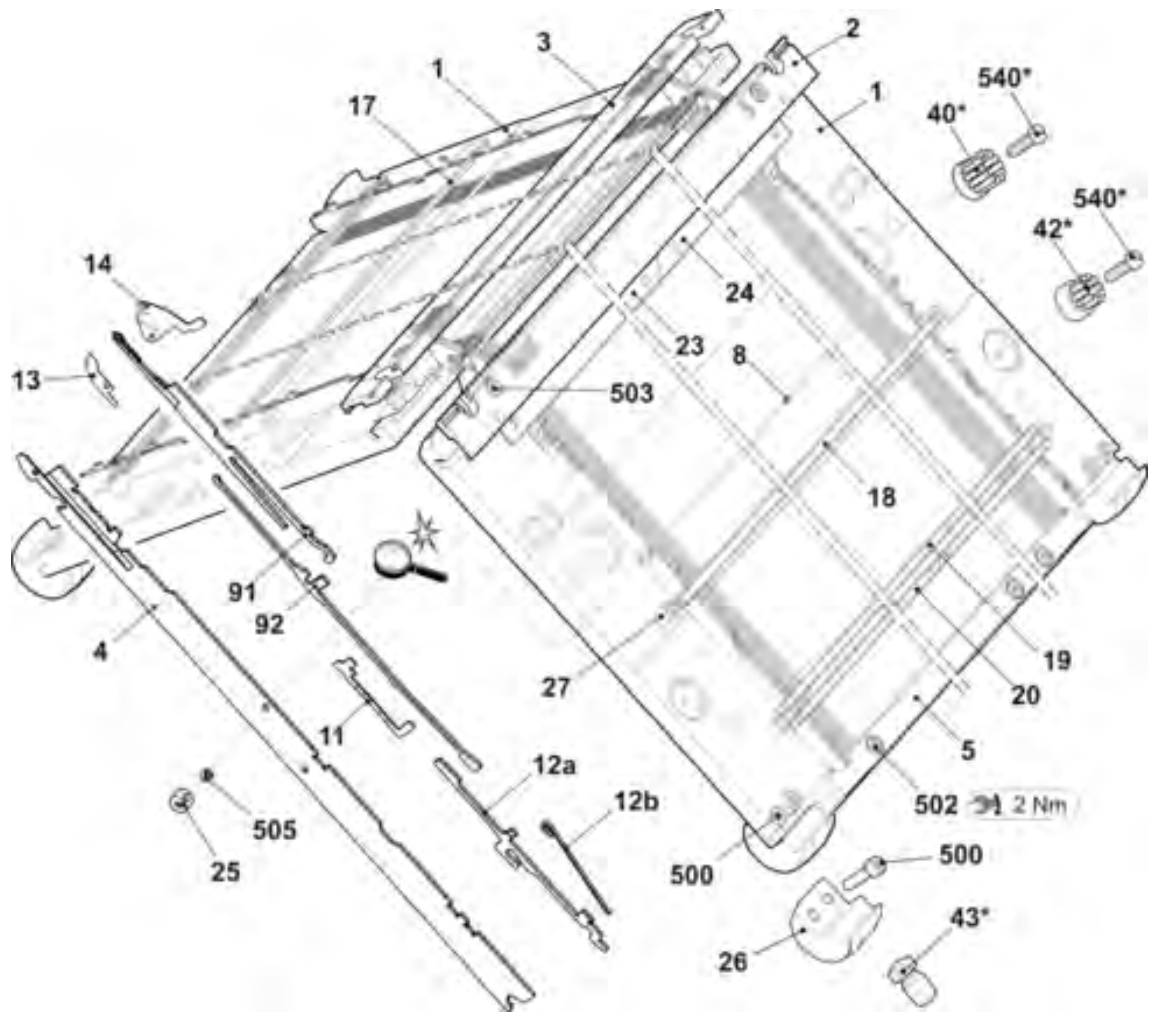
Pos	Designation	Id		Pos	Designation	Id
2	Spring steel wire $\varnothing 0,8$	213 989		503	Cap screw M5x8	023 154
3	Spring steel wire $\varnothing 2,0$	213 996		507	Springy thrust piece	023 177
12	Limiter on the left E4 - E8	205 343		511	Shim0,05x18,5x34	023 196
13	Limiter on the right E4 - E8	205 344		512	Shim0,1x18,5x34	023 197
21	Locating wire $\varnothing 2,8$	213 983		513	Shim0,2x18,5x34	023 253



4.10 Needle bed E5.2

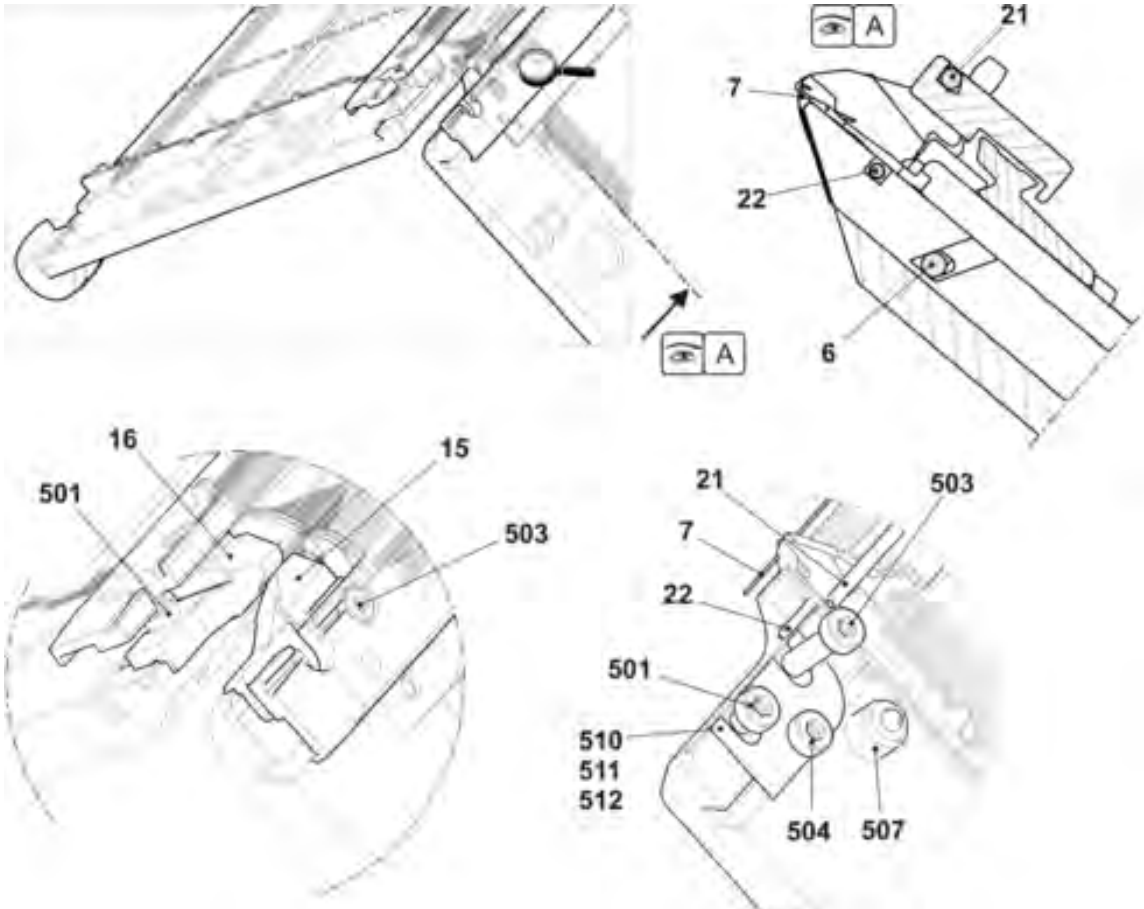
4.10 Needle bed E5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rearE5.2	241 509				
1	Needle bed at the front + rear E5.2	240 386		19	Cover rail	213 762
2	Holding-down jack bed at the front E5.2	240 437		20	Cover rail	213 763
3	Holding-down jack bed at the rear E5.2	240 454		23	Needle bar on the left	213 998
4	Main trick wall E5.2	219 171		24	Needle bar on the right	213 999
5	Pressure slide E10-14	213 919		25	Bush	206 090
8	Spring steel wire 2,0x1286 mm	213 996		26	Support	241 339
91	Needle E5.2	219 181		27	Stop screw	214 039
92	Coupling part E5.2	219 188		500	Cap screw M6x14	022 658
11	Intermediate slider complete E5.2	236 030		502	Cap screw M5x8	023 379
12a	Selection jack E5.2	219 214		503	Cap screw M5x22	023 193
12b	Selector spring E5.2	219 265		505	Setscrew M3,5x3-1	020 512
13	Knock-over bit E5.2	221 367		40*	Disk brush	235 612
14	Holding-down jack breastE5.2	229 832		42*	Disk brush	202 600
17	Cover rail at the rear	213 981		43*	Adjusting bolt	240 765
18	Cover rail at the front E10	214 036		540*	Cap screw M5x12	020 032



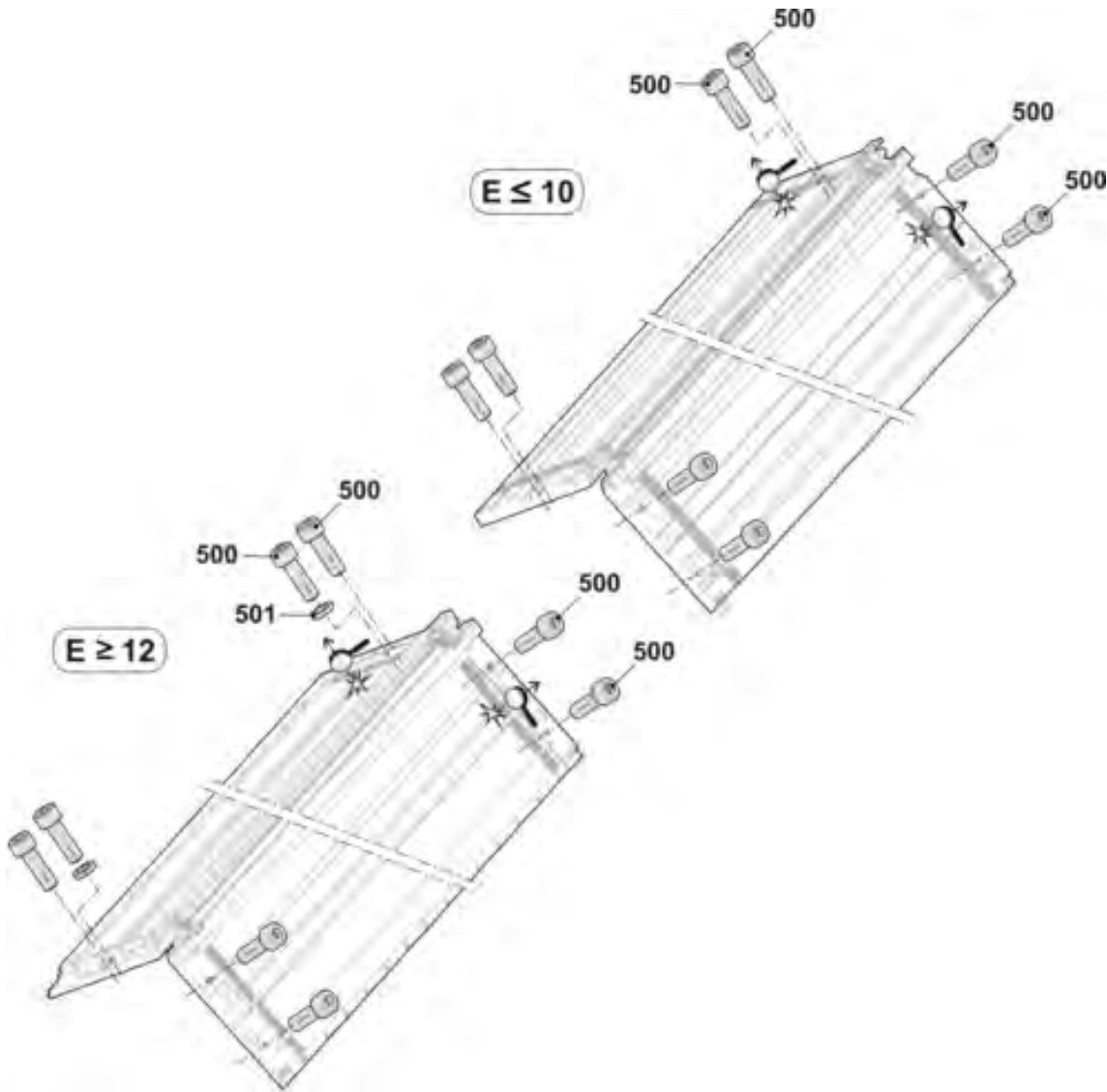
4.10.1 Continuation needle bed E5.2

Pos	Designation	Id		Pos	Designation	Id
6	Locating wire $\varnothing 3,4$	213 995				
7	Spring steel wire $\varnothing 1,0$	213 988		503	Cap screw M5x22	023 193
15	Limiter on the left E4-8	205 343		504	Cap screw M5x12	022 943
16	Limiter on the right E4-8	205 344		507	Springy thrust piece	023 177
21	Locating wire $\varnothing 2,8$	213 983		510	Shim0,05x18,5x34	023 196
22	Spring steel wire $\varnothing 1,95$	213 997		511	Shim0,1x18,5x34	023 197
501	Cap screw M5x8-8.8	023 154		512	Shim0,2x18,5x34	023 253



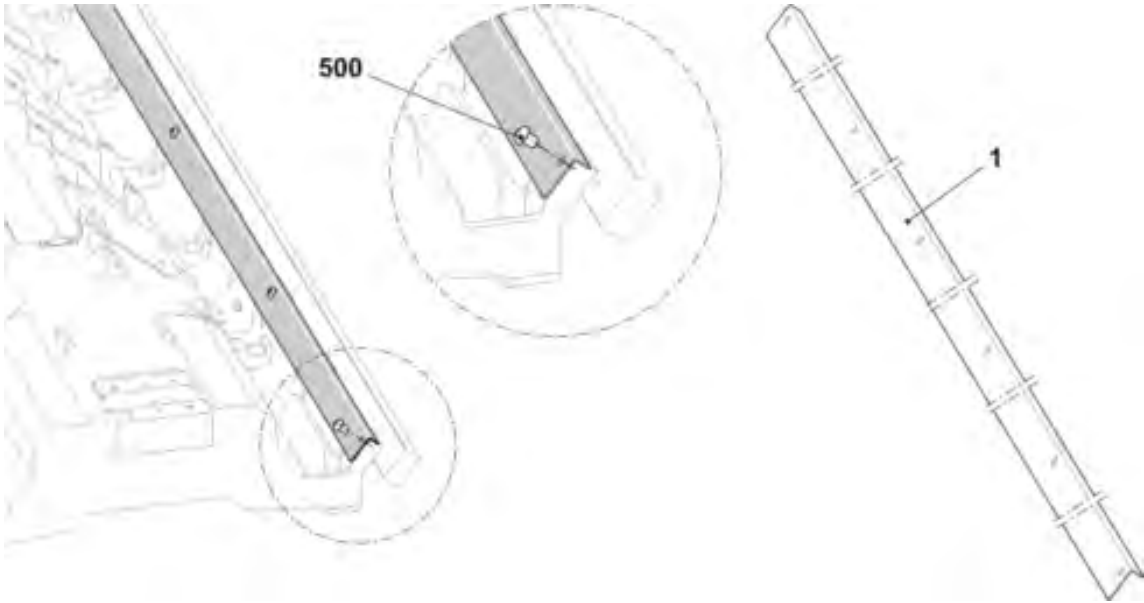
4.11 Needle beds, fixing elements

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



4.12 Cover

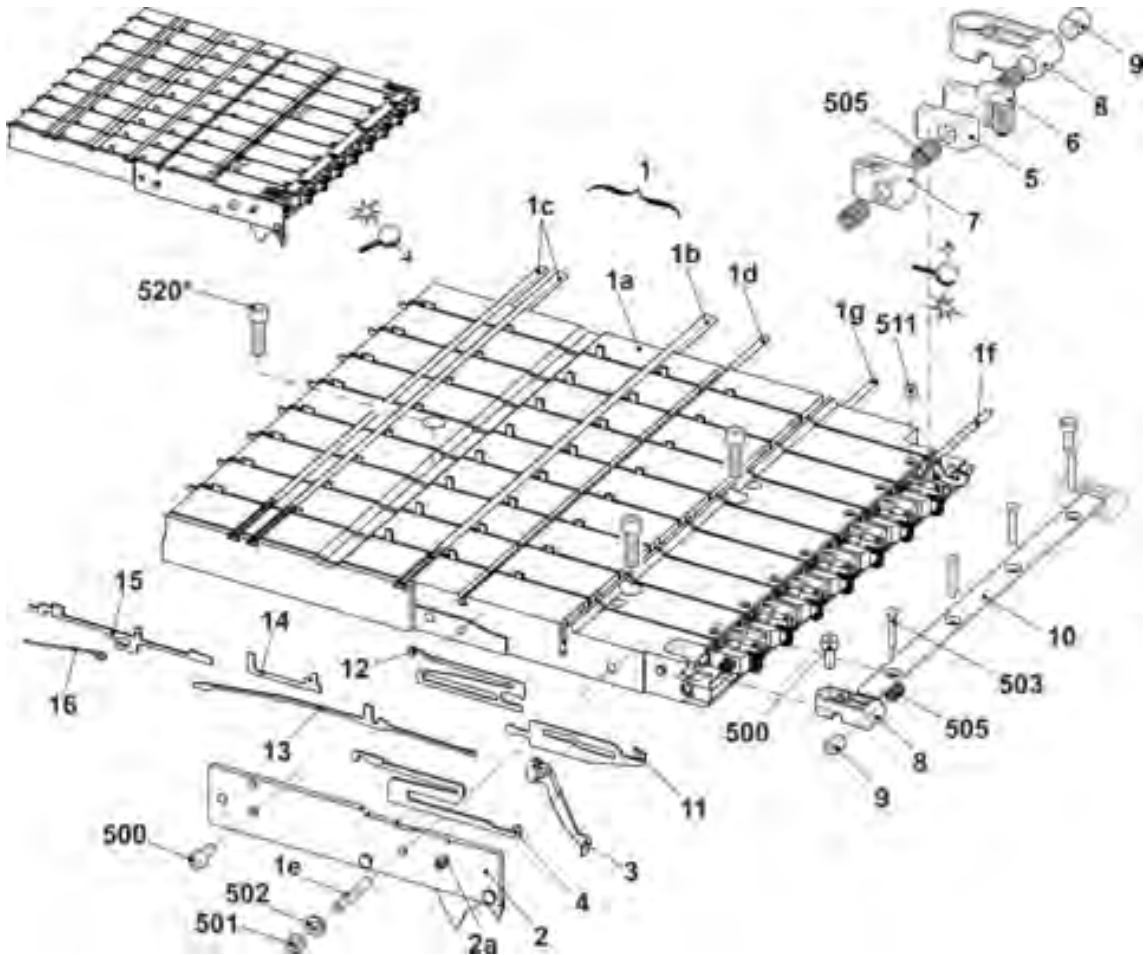
Pos	Designation	Id		Pos	Designation	Id
1	Cover	241 922		500	Pan head screw M8x10	241 930



4.13 Left clamping and cutting bed E5-7 | E5m.4 | E7m.5 | 7m.8 | E8m.7 | E3,5.2 | E3,5.2m4L

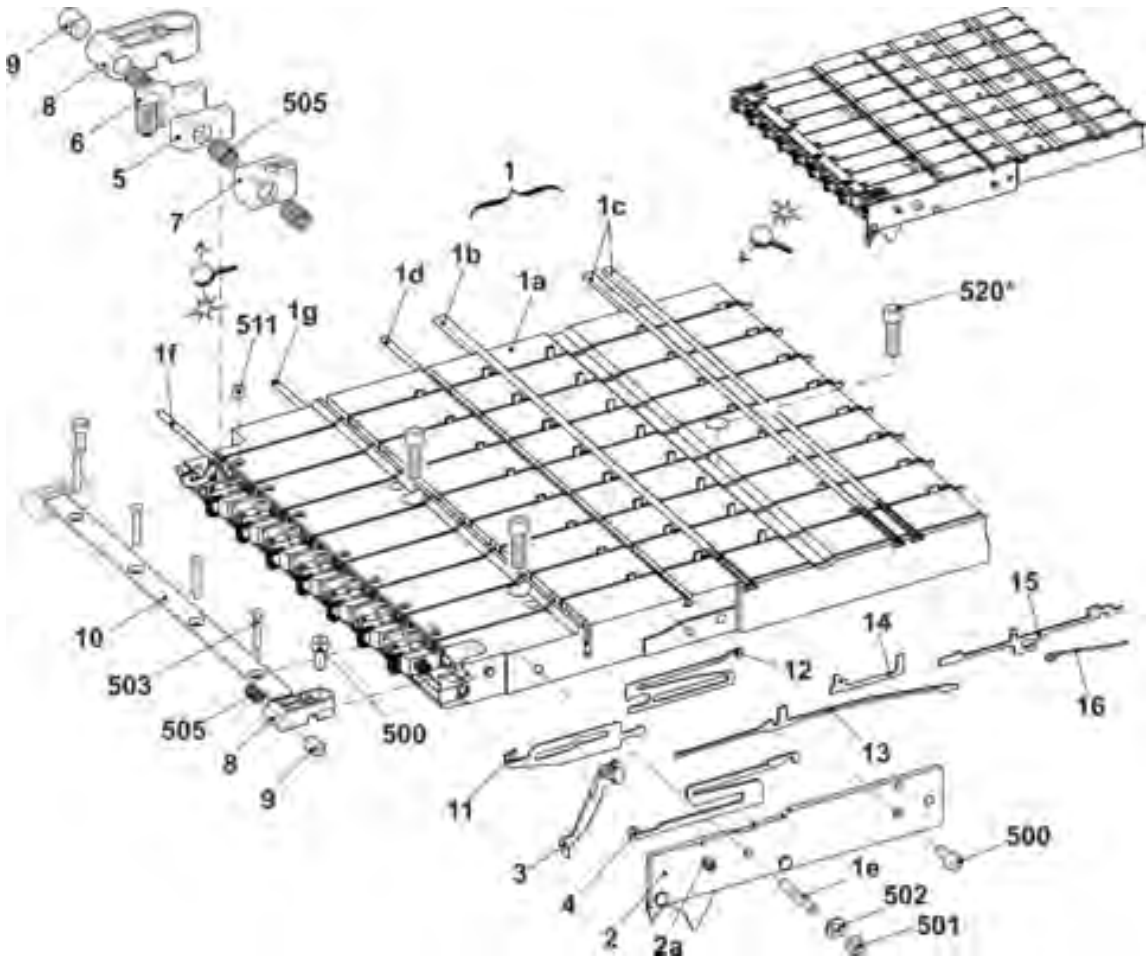
4.13 Left clamping and cutting bed
E5-7 | E5m.4 | E7m.5 | 7m.8 | E8m.7 | E3,5.2 | E3,5.2m-
4L

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



4.14 Right clamping and cutting bed
E5-7 | E5m.4 | E7m.5 | 7m.8 | E8m.7 | E3,5.2 | E3,5.2m-
4L

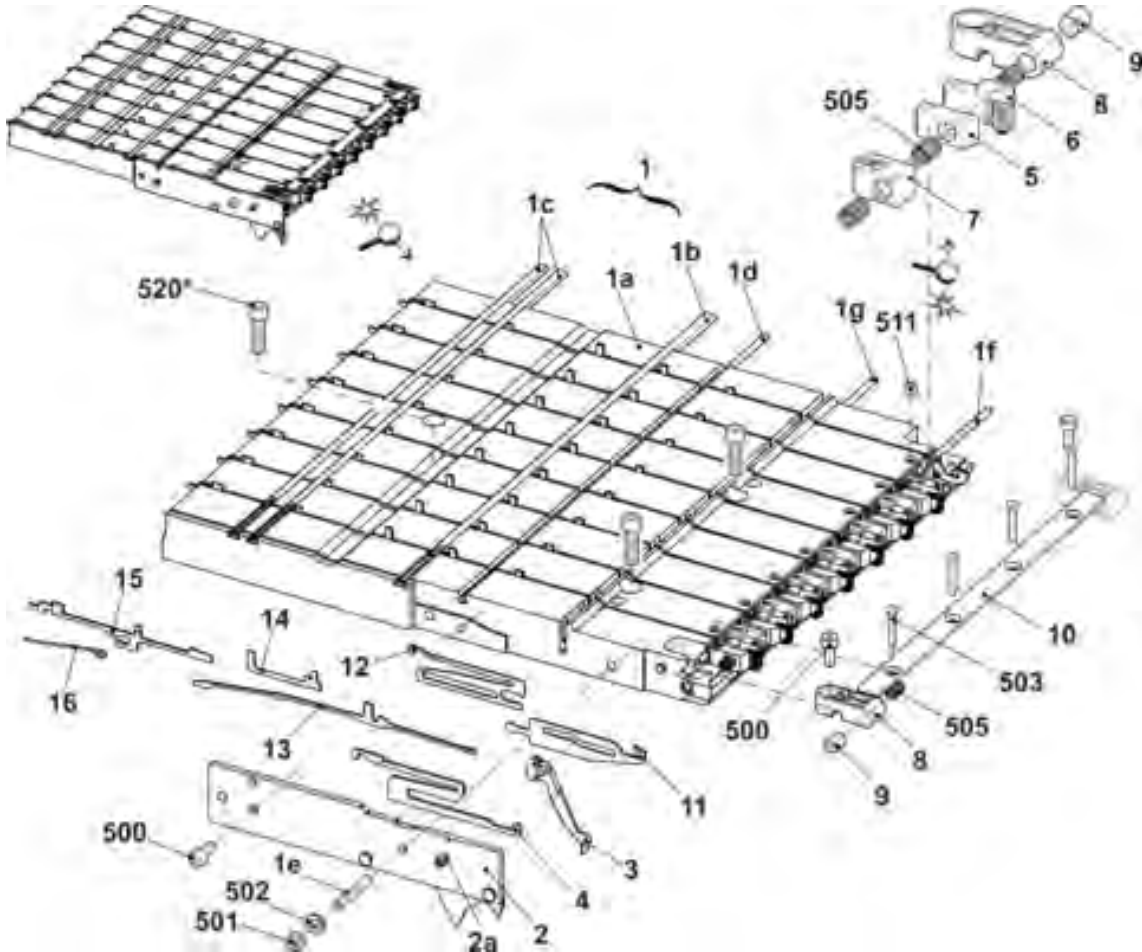
Pos	Designation		ID		Pos	Designation	ID
Σ	Clamping and cutting bed on the right E2,5.2m.4L		260 088		7	Intermediate piece	255 719
1	Guide plate EPT on the right E5-14		257 193		8	Spring holder	255 724
	1a	Guide plate on the rightE5-14	257 189		9	Threaded bolt	255 723
	1b	Cover rail	253 173		10	Holding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



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

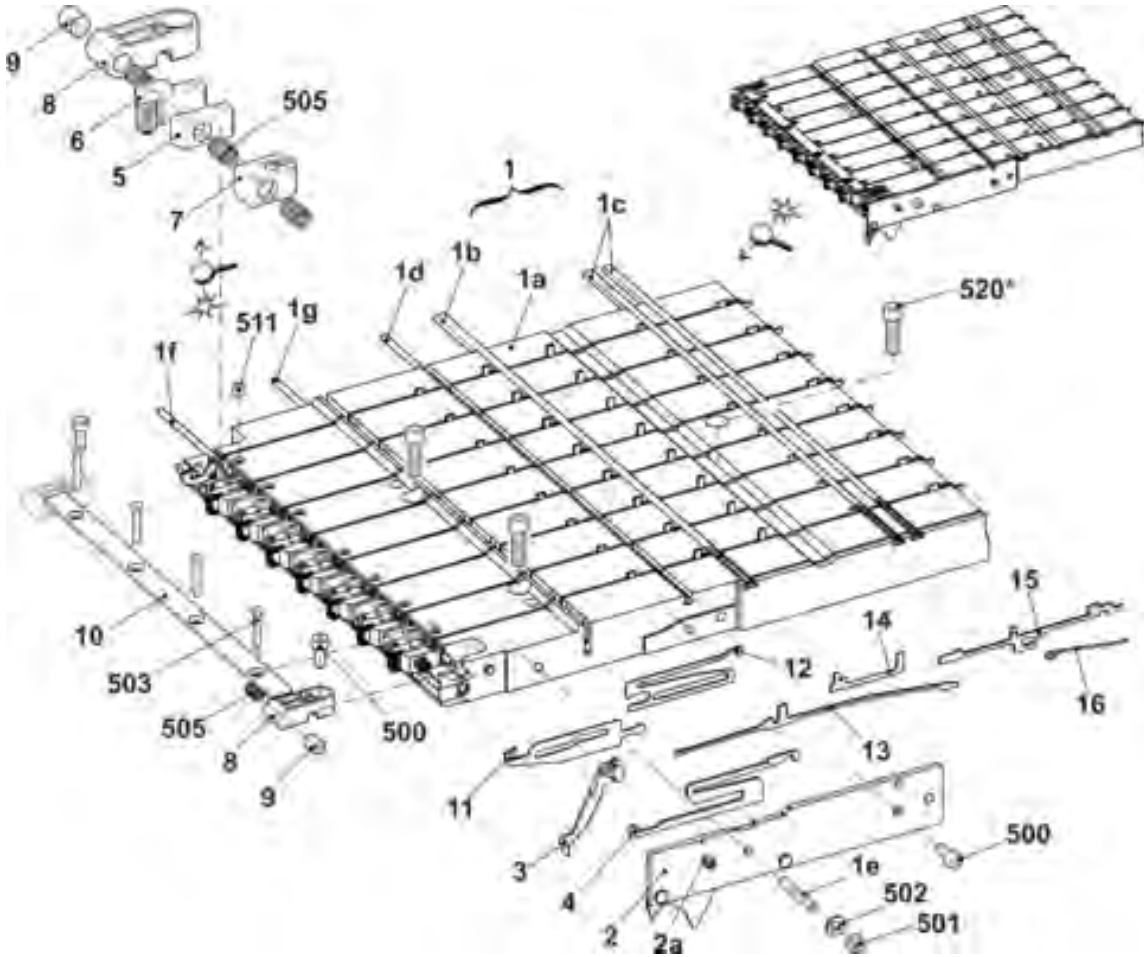
4.15 Left clamping and cutting bed E8 | E8m.7 | E5.2

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



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

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



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

Notes:

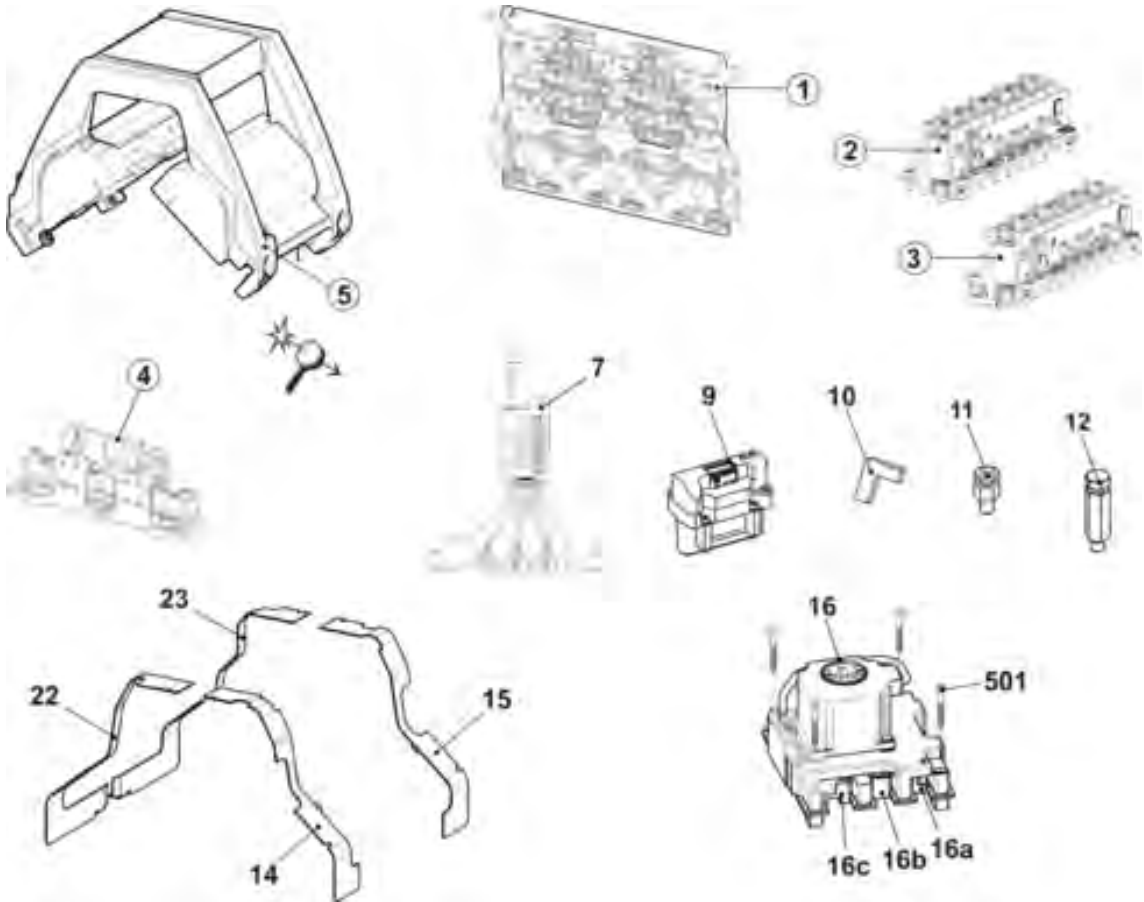
5 Carriage



5.1 Overview of carriage

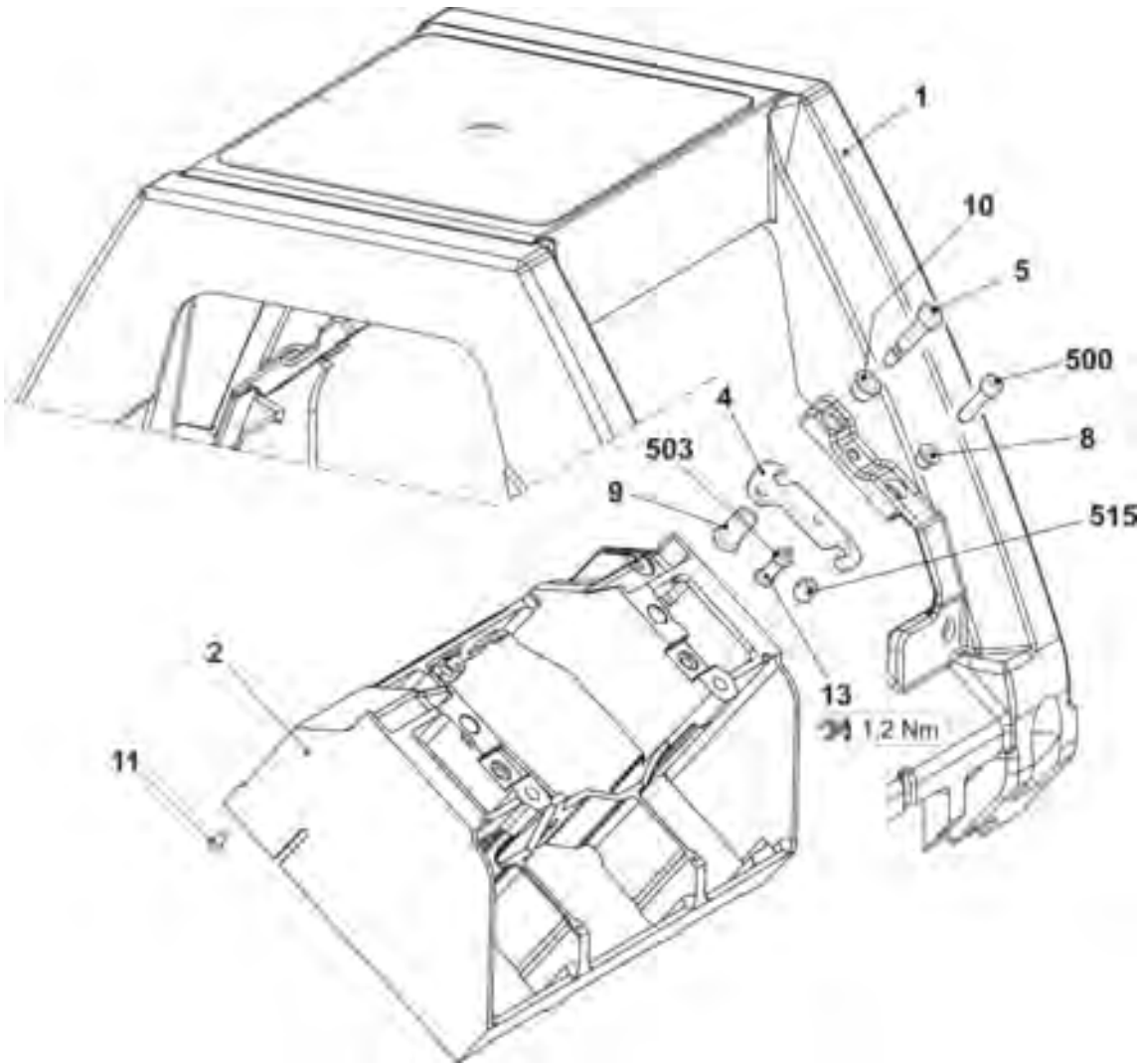
5.1 Overview of carriage

Pos	Designation	Id	Pos	Designation	Id
Σ	Carriage complete		9	Selection system completeE5 E5m.4 E7m.5 E3,5.2 E7 E8 E7m.8 E8m.7	216 218
	E5 E5m.4 E7m.5 E3,5.2	256 171	9	Selection system completeE5.2	216 219
	E7 E8 E7m.8 E8m.7	256 172	10	Wiper (felt)	241 411
	E3,2.5m.4L	261 061	11	Bolts	212 392
	E5.2	256 173	12	Bolts	243 171
1	Cam box complete		22	Guide plate at the rear on the left	245 323
	E5 E5m.4 E7m.5 E3,5.2 E5.2	243 132	23	Guide plate at the rear on the right	245 324
	E7 E8 E7m.8 E8m.7	243 133	14	Cover plate on the left	250 274
	E3,2.5m.4L	261 063	15	Cover plate on the right	250 275
2	FF driving outside complete	245 297	16	Motor unit complete	253 531
3	FF driving in the middle complete	245 298	16a	Gear rack at the top	209 781
4	Holding-down jack control complete E5-8	241 515	16b	Gear rack in the middle	209 782
5	Carriage assembly 2 cam boxes 520	256 495	16c	Gear rack at the bottom	209 783
7	Distributor at the rear and the front420 ECO2	252 009	501	Cap screw M4x30	023 290



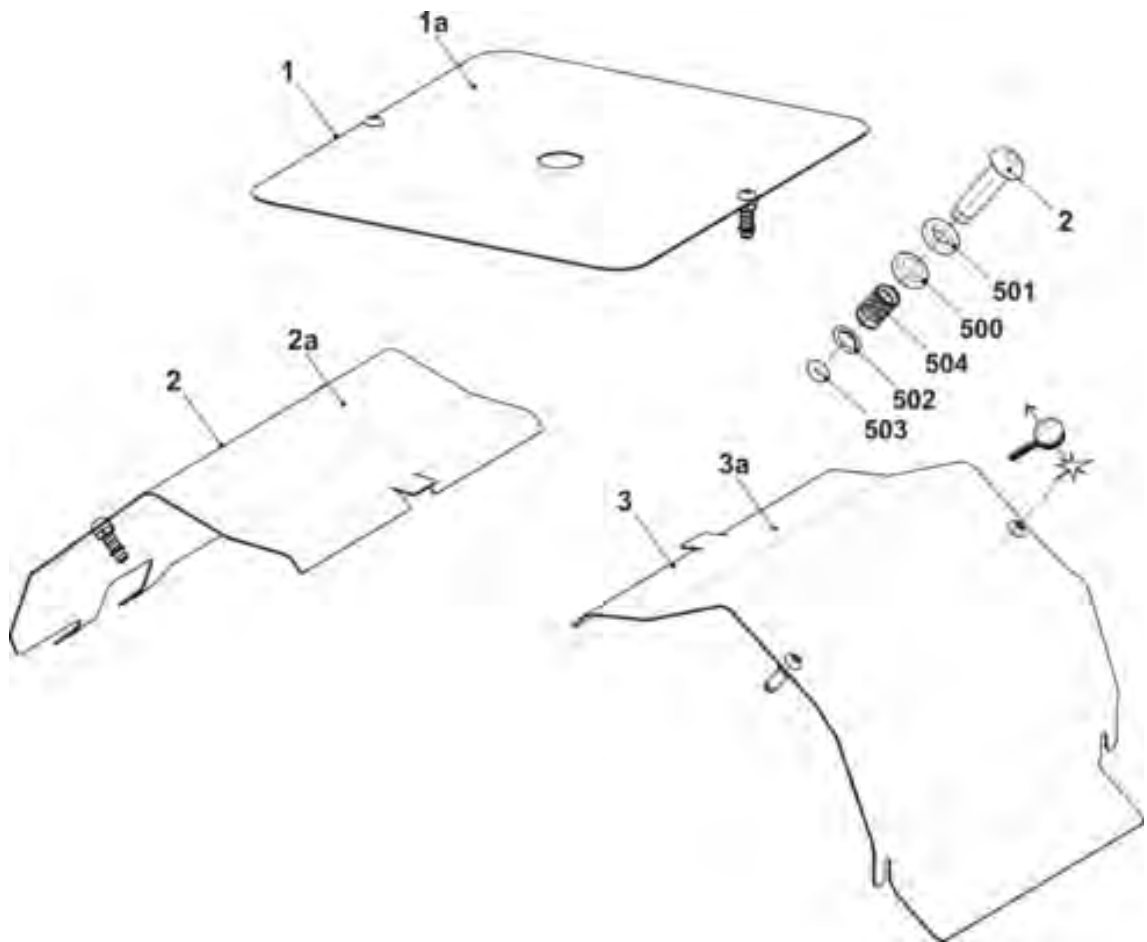
5.2 Carriage assembly

Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage assembly 2 cam boxes 520	256 495				
1	Carriage frame 2 cam boxes 6-Z	258 516		10	Bush	209 274
2	Carriage part, 2 cam boxes	240 572		11	Eccentric	222 983
5	Shoulder screw	211 750		13	Locating bolt linking spot	244 179
4	Shim	225 312		500	Cap screw M8x30	020 143
8	Bush	207 546		503	Circlip6	021 022
9	Bush	209 275		515	Threaded bush	041 863



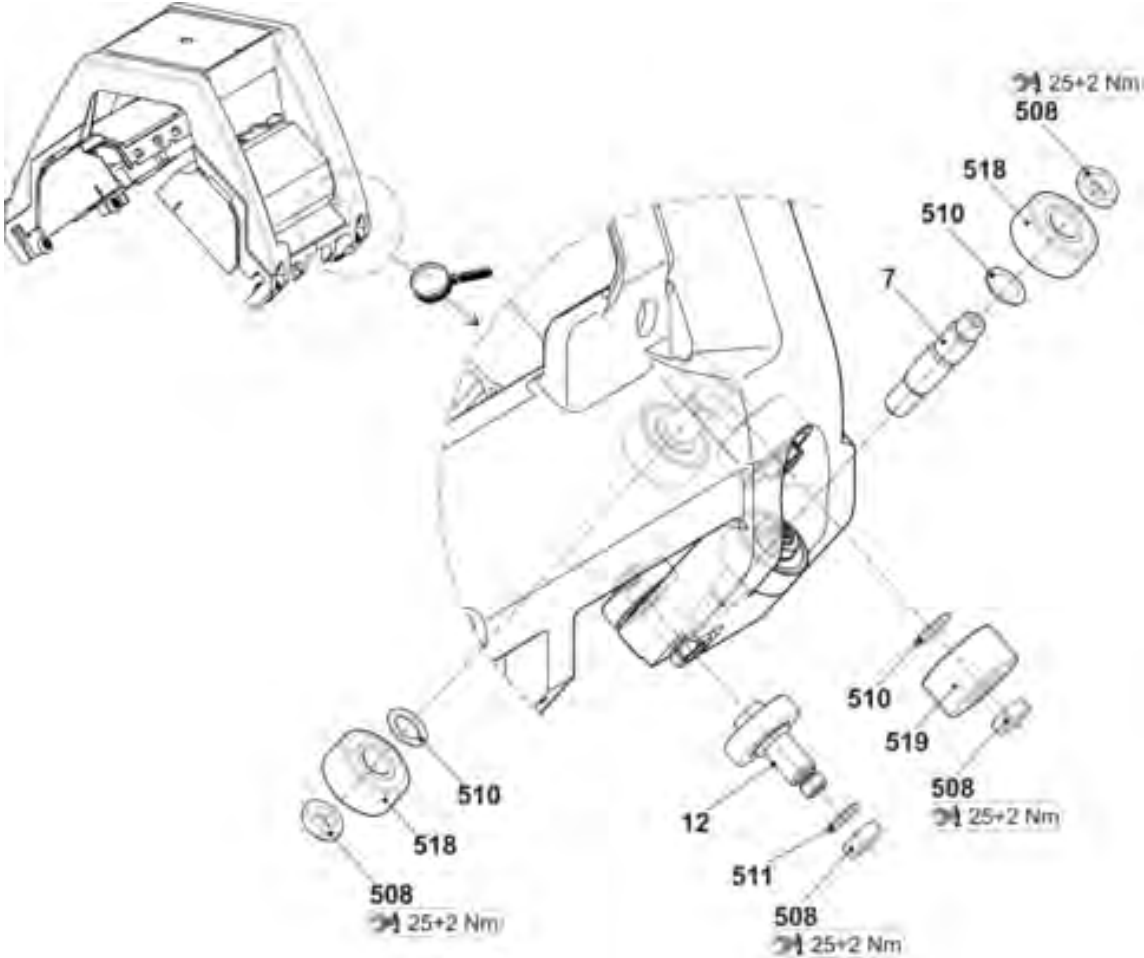
5.3 Carriage cover

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 2 cam boxes	257 159		501	Washer6.1x9x0,5	023 554
	2a Carriage cover at the rear 2 cam boxes	256 734		502	Serrated lock washer 6,4	022 385
3	Carriage cover at the front 2 cam boxes complete	257 158		503	O-ring 3x2	242 420
	3a Carriage cover front 2 cam boxes	256 733		504	Compression spring 0,48x7,02x17,29	023 654



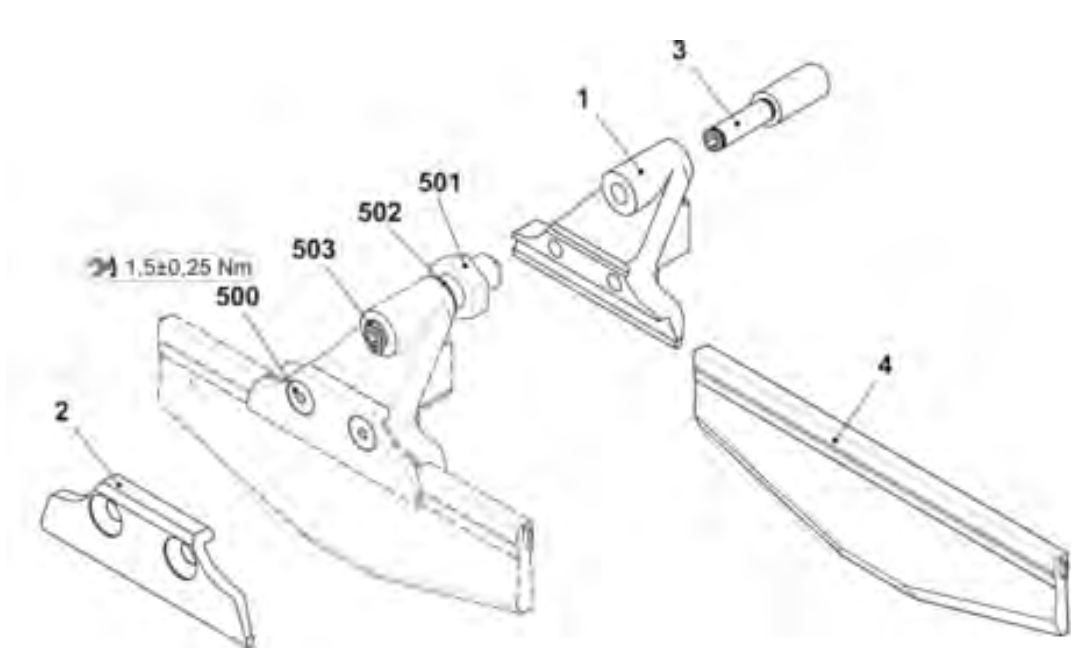
5.4 Carriage guide

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



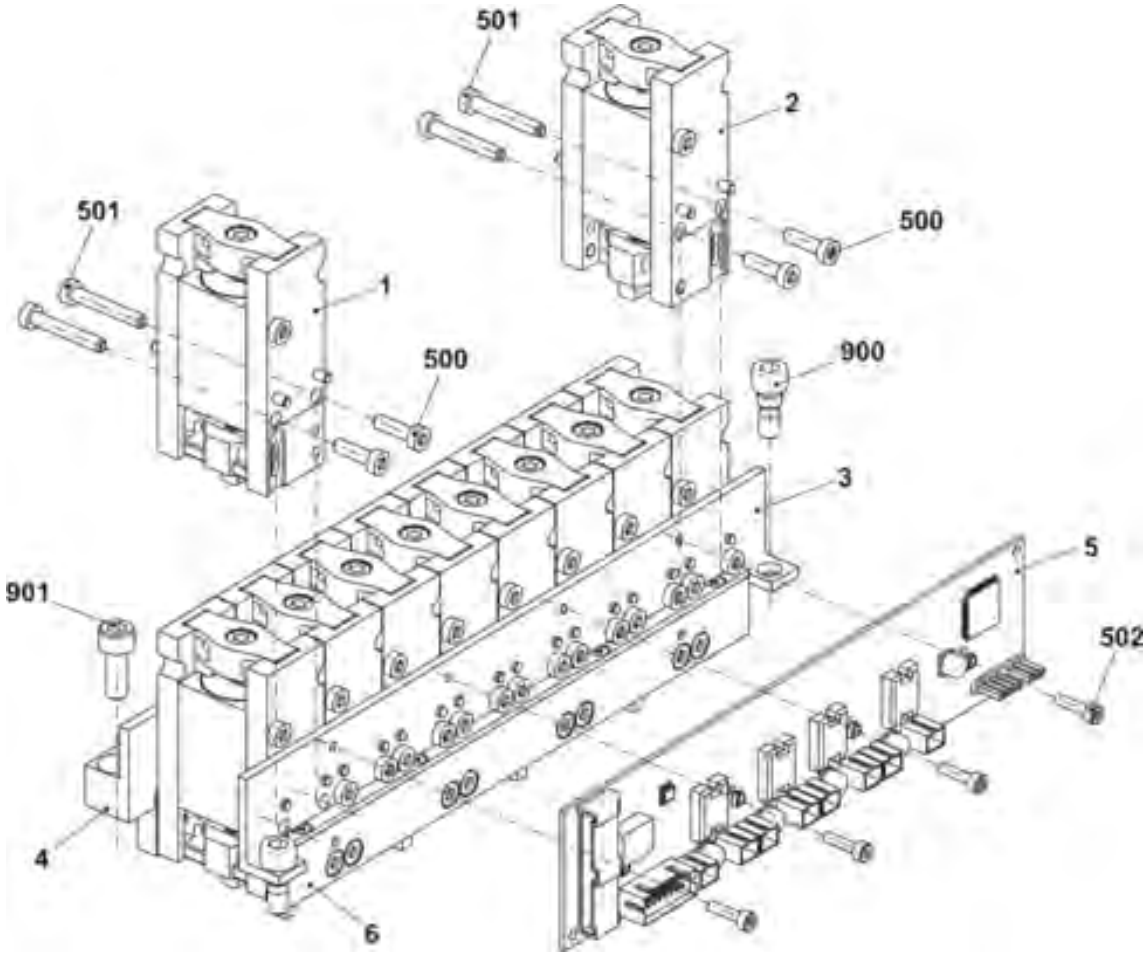
5.5 Brush holder

Pos	Designation	ID		Pos	Designation	ID
Σ	Brush holder completeE5-8	213 710				
1	Brush holder	213 009		500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010		501	Hexagon nut M8x5	023 750
3	Threaded rod	209 740		502	Shim ring 5x10x0,5	023 348
4	BrushE5-8	203 254		503	Retaining ring5x0,6	023 347



5.6 Yarn carrier driving without guide part

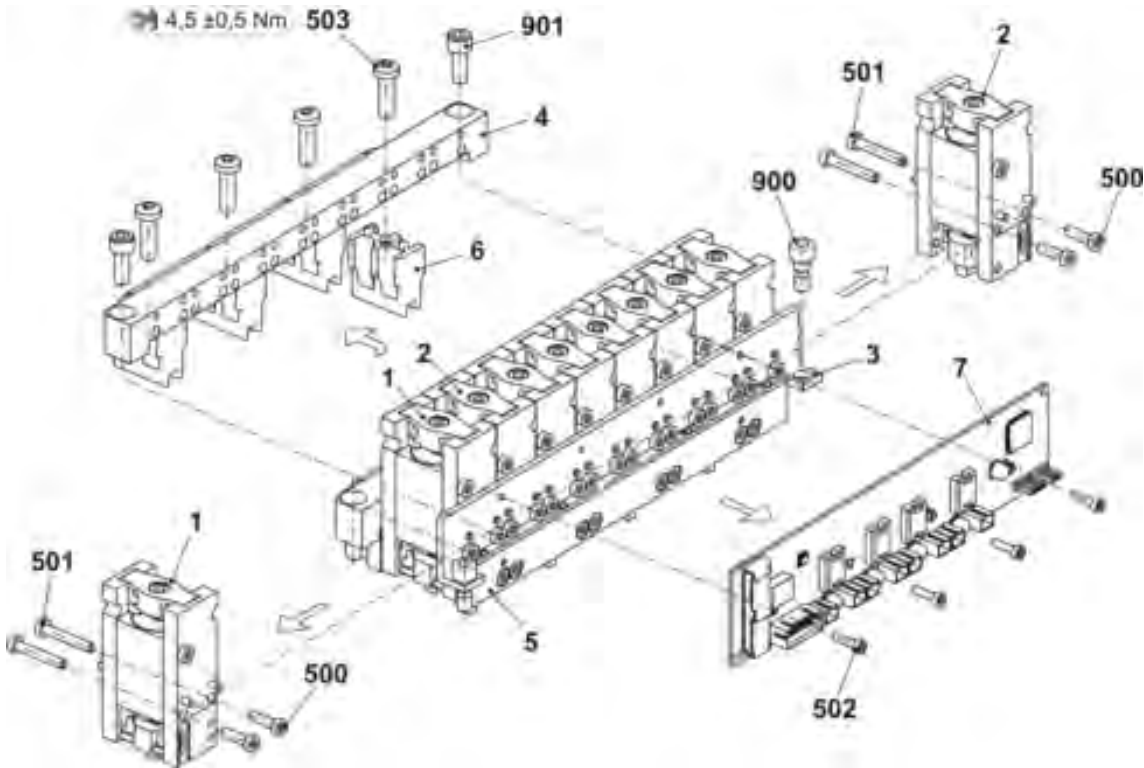
Pos	Designation	Id		Pos	Designation	Id
Σ	YC driving outside complete	245 297		6	Switch mechanism	251 137
1	Yarn carrier plunger on the right complete	243 080		500	Cap screw M4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118		501	Cap screw M4x25-I-Torx	245 305
3	Holding angle for jack	245 313		502	Cap screw M3x12-12.9	022 648
4	Holding block outside	245 294		900	Shoulder screw	231 899
5	Card yarn carrier final stagesOKC	300 960		901	Cap screw M6x16	020 135



5.7 Yarn carrier driving with guide part

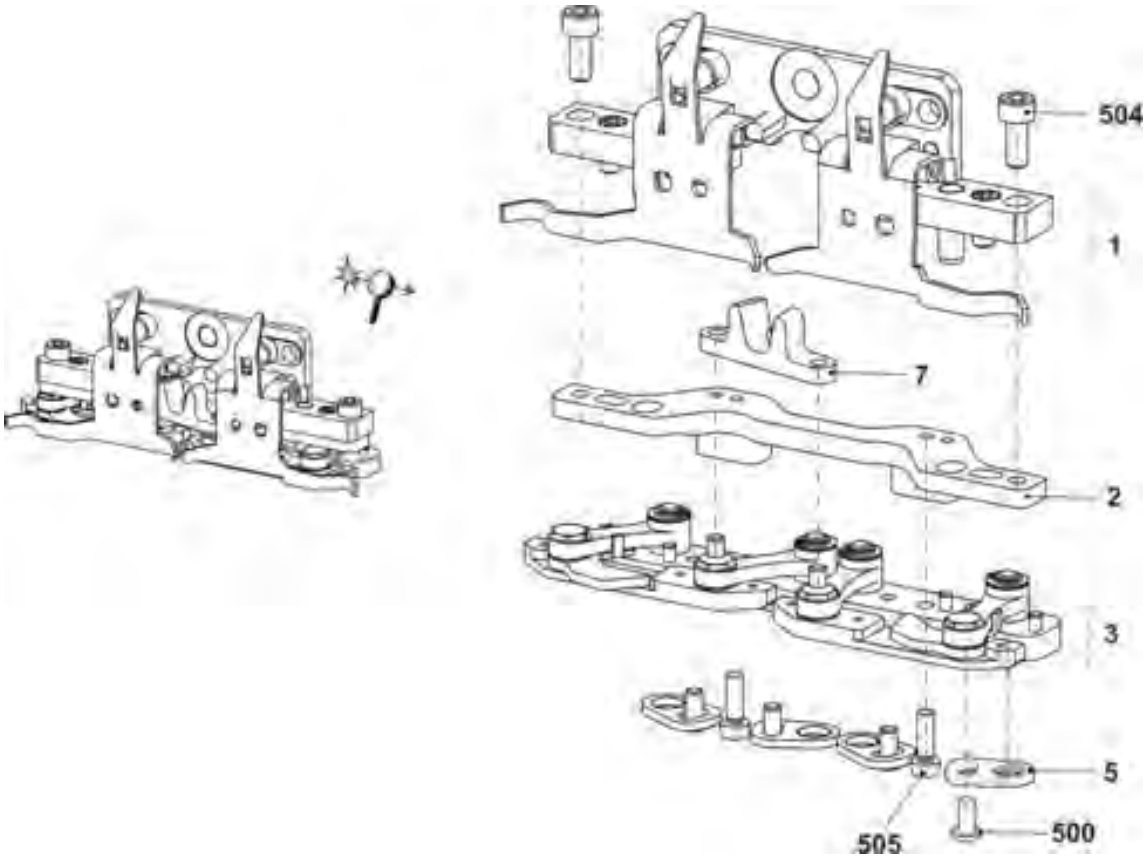
5.7 Yarn carrier driving with guide part

Pos	Designation	Id		Pos	Designation	Id
Σ	YC driving in the middle complete	245 298		7	Card yarn carrier final stagesOKC	300 960
1	Yarn carrier plunger on the right complete	243 080		500	Cap screw M4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118		501	Cap screw M4x25-I-Torx	245 305
3	Holding angle for jack	245 313		502	Cap screw M3x12-12.9	022 648
4	Holding block in the middle	245 308		503	Screw KB60x20	243 625
5	Switch mechanism	251 137		900	Shoulder screw	231 899
6	Guide part	239 972		901	Cap screw M6x16	020 135



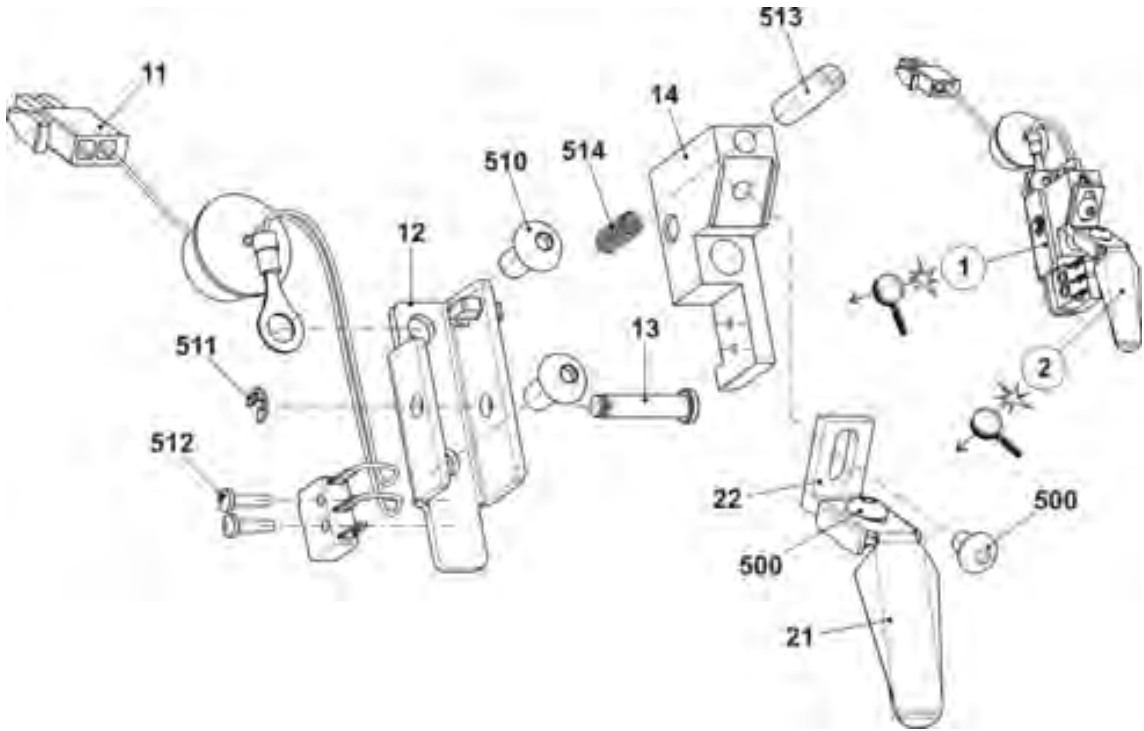
5.8 Holding-down jack control

Pos	Designation	ID		Pos	Designation	ID
Σ	Holding-down jack control completeE5-8	241 515				
1	Assembly plate complete	244 234		7	Plunger	210 559
2	Connection plate	241 326		500	Pan head screw M4x8	023 579
3	Jack cam plate complete E5-8	241 521		504	Cap screw M5x12	020 132
5	Adjusting plate	211 507		505	Cap screw M4x12	241 859



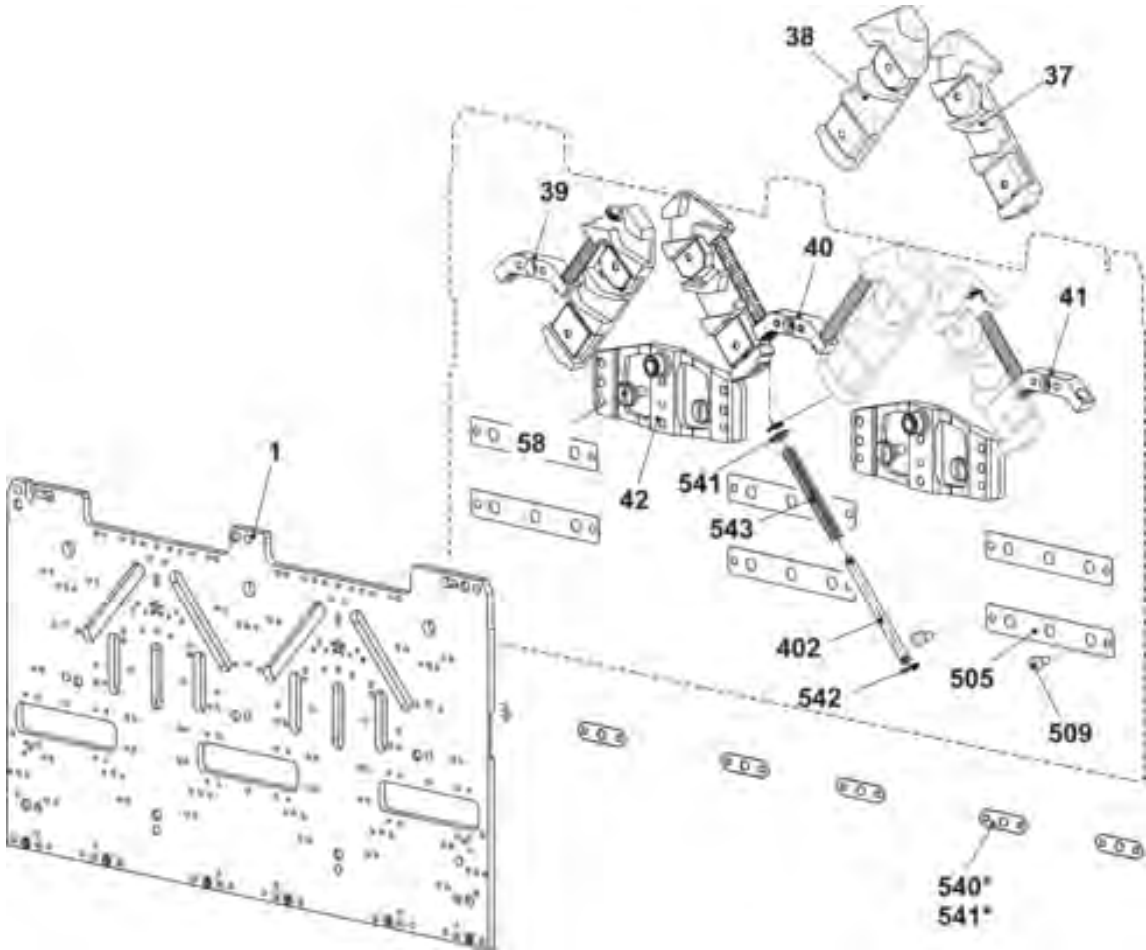
5.9 Needle detector

Pos	Designation		ID		Pos	Designation		ID
Σ	Needle detector		221 238			512	Pan head screw M2x8	258 310
1	Needle detector pre-assembled		221 773			513	Setscrew M5x20	023 526
	11	Cable of needle detector complete	221 207			514	Compression spring 4,3x0,45x10	021 398
	12	Retainer	220 464		2	Sensor pre-assembled		221 758
	13	Bolts	258 390		21	Sensor		220 839
	14	Switch rocker	220 637		22	Angle		221 175
	510	Pan head screw M5x10	023 247		500	Pan head screw M4x6		023 427
	511	Circlip	021 018		500	Pan head screw M4x8		023 579



5.10 Cam box E5 | E3,5.2 | E5.2 | E5m.4 | E7m.5

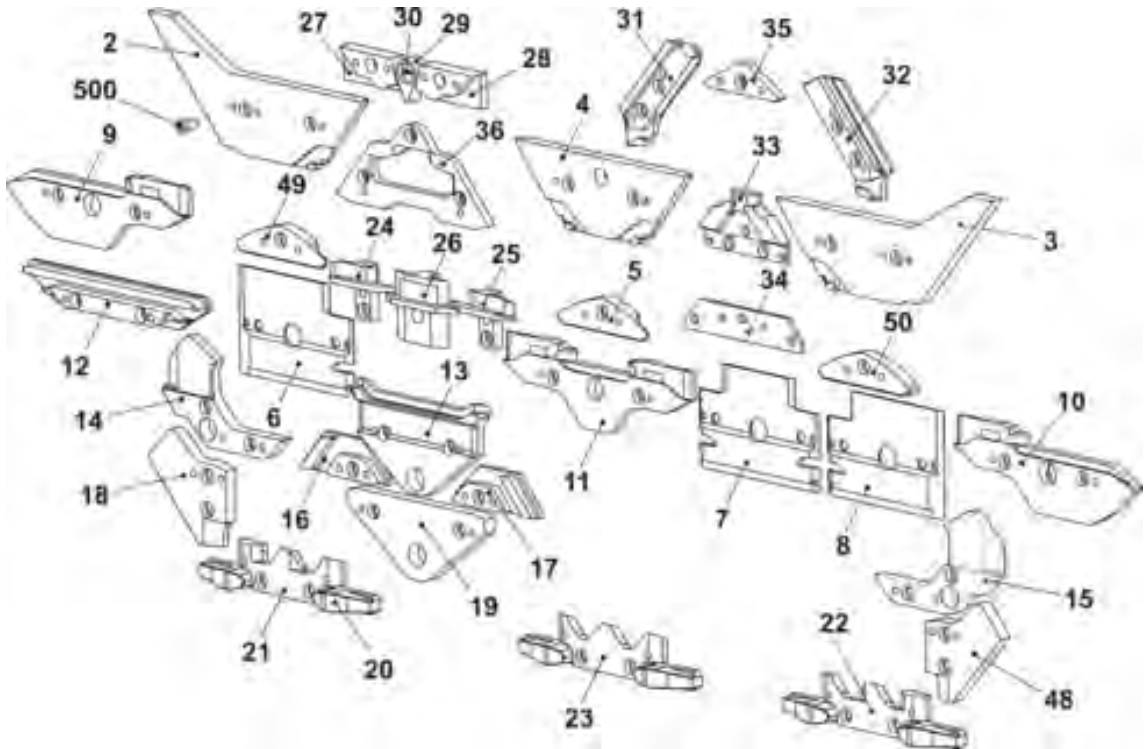
Pos	Designation		Id		Pos	Designation		Id
Σ	Cam box complete E7-8		243 132					
1	Cam plate		241 330		41	542	Circlip 3,2	021 019
37	Loop sinking cam on the right completeE5 – E10		211 163			543	Compression spring	250 515
38	Loop sinking cam on the left completeE5 - E10		211 164		42	Switching piece		240 281
39	Rod guide element on the left		211 165		58	Shoulder screw		239 626
40	Rod guide element in the middle		211 166		505	Shim0,5x12x75		236 654
41	Rod guide element on the right		211 168		509	Pan head screw M3x4		023 142
	402	Spring rod	209 791		540*	Shim0,3x8x28		023 452
	541	Disk4,1x6x0,5	022 893		541*	Shim0,5x8x28		023 020



5.10 Cam box E5 | E3,5.2 | E5.2 | E5m.4 | E7m.5

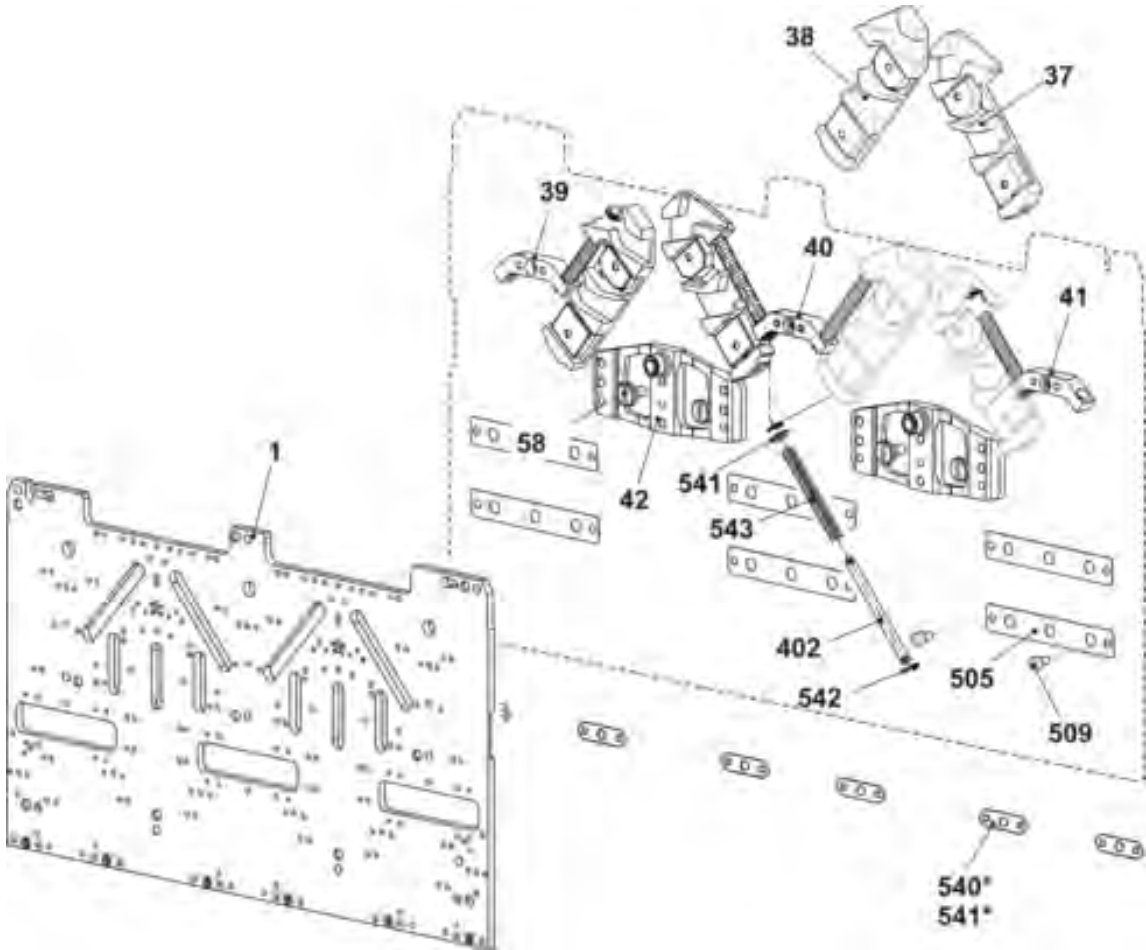
5.10.1 Cams E5 | E3,5.2 | E5.2 | E5m.4 | E7m.5

Pos	Designation	Id. no.		Pos	Designation	Id. no.
2	Entry cam on the left	213 304		22	Selection cam on the right	212 947
3	Entry cam on the right	213 303		23	Selection cam	212 946
4	Entry cam at the top	210 285		24	Pressure part receiving on the left	239 848
5	Entry cam in the middle bottom E2,5.2 E3,5.2	235 719		25	Pressure part receiving on the right	239 849
6	Plate on the left	230 988		26	Tuck pressure part	239 621
7	Plate in the middle	231 035		27	Limiting cam on the left E5	210 289
8	Plate on the right	231 036		28	Limiting cam on the right E5	210 290
9	Cam on the left	231 039		29	Pointer E2,5.2 E3,5.2	229 505
10	Cam part at the right	231 041		30	Screw	210 335
11	Cam part at the center	231 040		31	Stitch cam on the left E2,5.2 E3,5.2	235 712
12	Cam part	227 923		32	Stitch cam on the right E2,5.2 E3,5.2	235 713
13	Cam part	210 254		33	Tuck limiting cam E5	214 051
14	Cam on the left E5-14	212 265		34	Raising cam plate E4-12	204 372
15	Cam at the right E5-14	212 266		35	Receiving cam E5	210 386
16	Cam on the left	236 192		36	Raising cam without split-stitchE5	213 302
17	Cam part at the right	236 193			Raising cam with split-stitch E5 Accessories	213 294
18	Cam on the left E5-14	259 766		48	Cam at the right E5-14	259 767
19	Cam part	210 252		49	Entry cam at the bottom on the left E5-8	235 718
20	Offering cam	210 185		50	Entry cam at the bottom on the right E5-8	235 720
21	Selection cam on the left	212 944		500	Cap screw M4x8	020 091



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

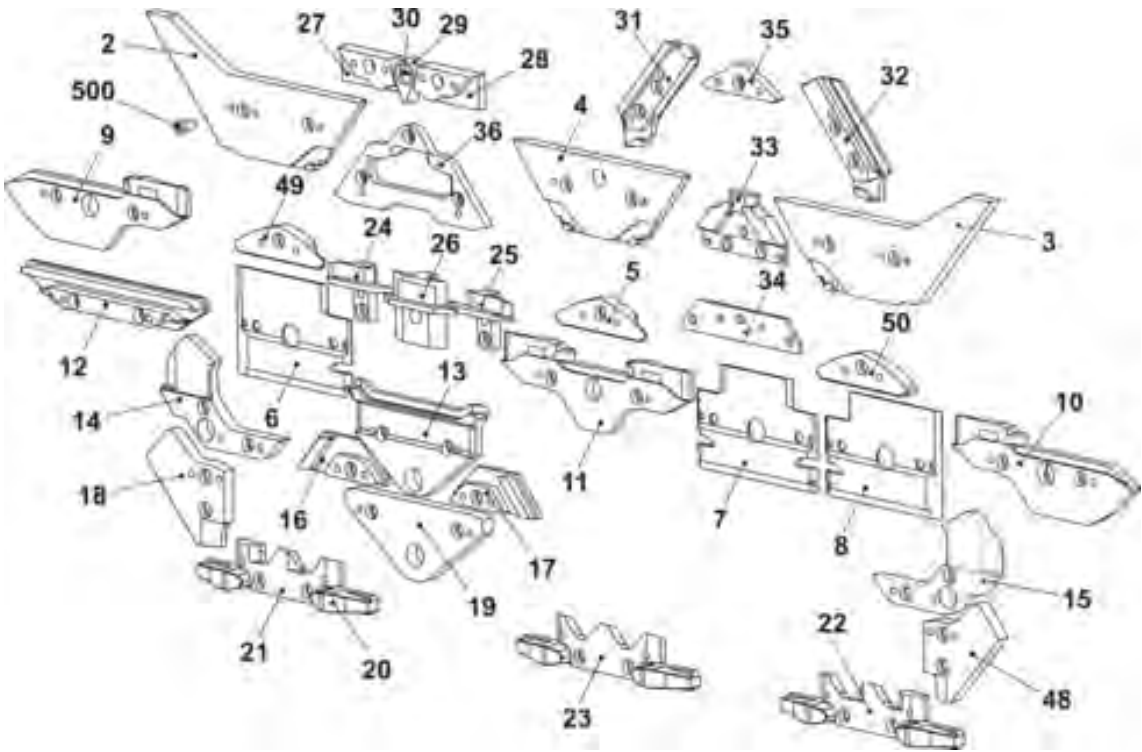
Pos	Designation		Id		Pos	Designation		Id
Σ	Cam box complete E7-8		243 133					
1	Cam plate		241 330		41	542	Circlip 3,2	021 019
37	Loop sinking cam on the right completeE5 – E10		211 163			543	Compression spring	250 515
38	Loop sinking cam on the left completeE5 - E10		211 164		42	Switching piece		240 281
39	Rod guide element on the left		211 165		58	Shoulder screw		239 626
40	Rod guide element in the middle		211 166		505	Shim0,5x12x75		236 654
41	Rod guide element on the right		211 168		509	Pan head screw M3x4		023 142
	402	Spring rod	209 791		540*	Shim0,3x8x28		023 452
	541	Disk4,1x6x0,5	022 893		541*	Shim0,5x8x28		023 020



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

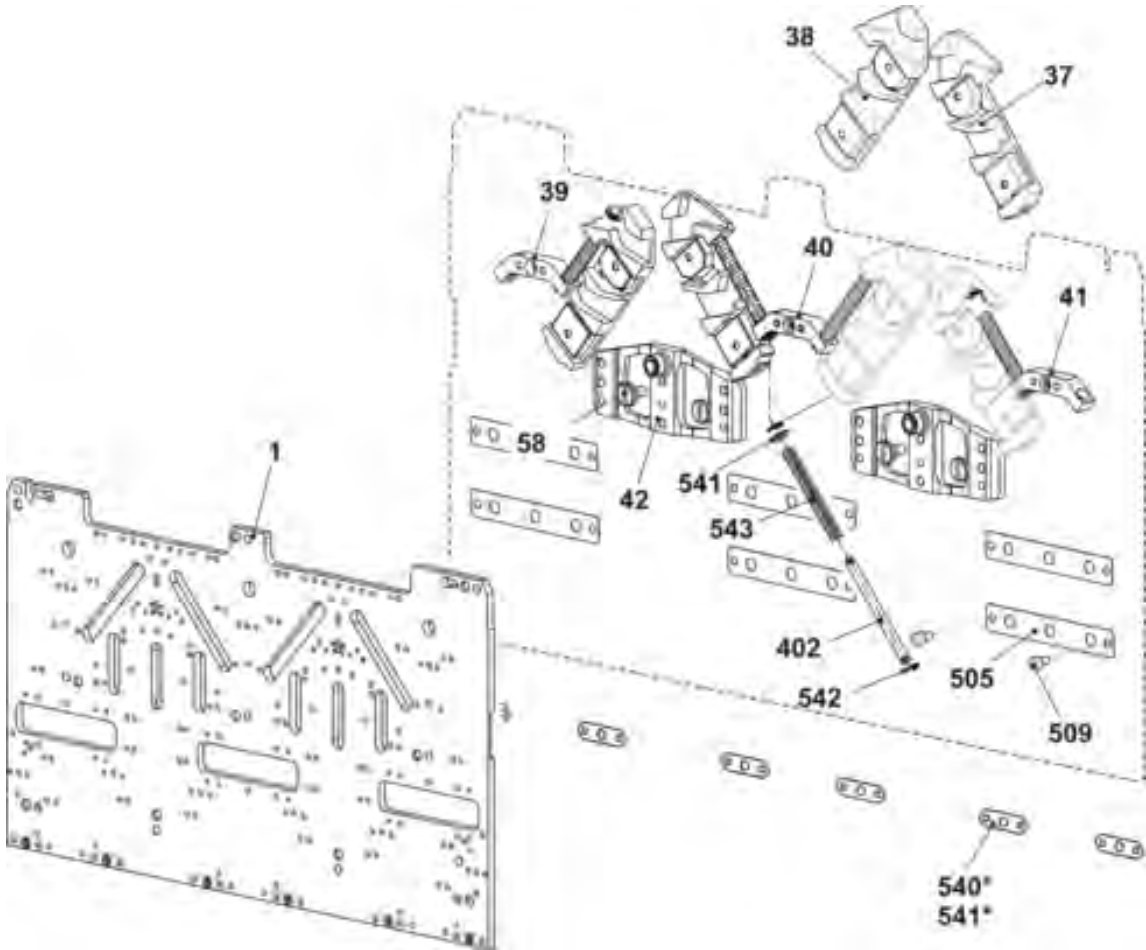
5.11.1 Cams E7 | E8 | E7m.8 | E8m.7

Pos	Designation	Id. no.		Pos	Designation	Id. no.
2	Entry cam on the left	213 304		23	Selection cam	212 946
3	Entry cam on the right	213 303		24	Pressure part receiving on the left	239 848
4	Entry cam at the top	210 285		25	Pressure part receiving on the right	239 849
5	Entry cam at the bottom E5-8	212 395		26	Tuck pressure part	239 621
6	Plate on the left	230 988		27	Limiting cam on the left E7-8	210 291
7	Plate in the middle	231 035		28	Limiting cam on the right E7-8	210 292
8	Plate on the right	231 036		29	Pointer E5-8	210 336
9	Cam on the left	231 039		30	Screw	210 335
10	Cam part at the right	231 041		31	Stitch cam on the left E7-8	210 324
11	Cam part at the center	231 040		32	Stitch cam on the right E7-8	210 323
12	Cam part	227 923		33	Tuck limiting cam E7-8	255 056
13	Cam part	210 254		34	Raising cam plate E4-12	204 372
14	Cam on the left E5-14	212 265		35	Receiving cam E7-8	210 339
15	Cam at the right E5-14	212 266		36	Raising cam without split-stitchE7-8	255 055
16	Cam on the left	236 192			Raising cam with split-stitchE7-8 Accessories	255 192
17	Cam part at the right	236 193		48	Cam at the right E5-14	259 767
18	Cam on the left E5-14	259 766		49	Entry cam on the left E5-8	213 161
19	Cam part	210 252		50	Entry cam on the right E5-8	213 162
20	Offering cam	210 185		500	Cap screw M4x8	020 091
21	Selection cam on the left	212 944				
22	Selection cam on the right	212 947				



5.12 Cam box E3,5.2m.4L

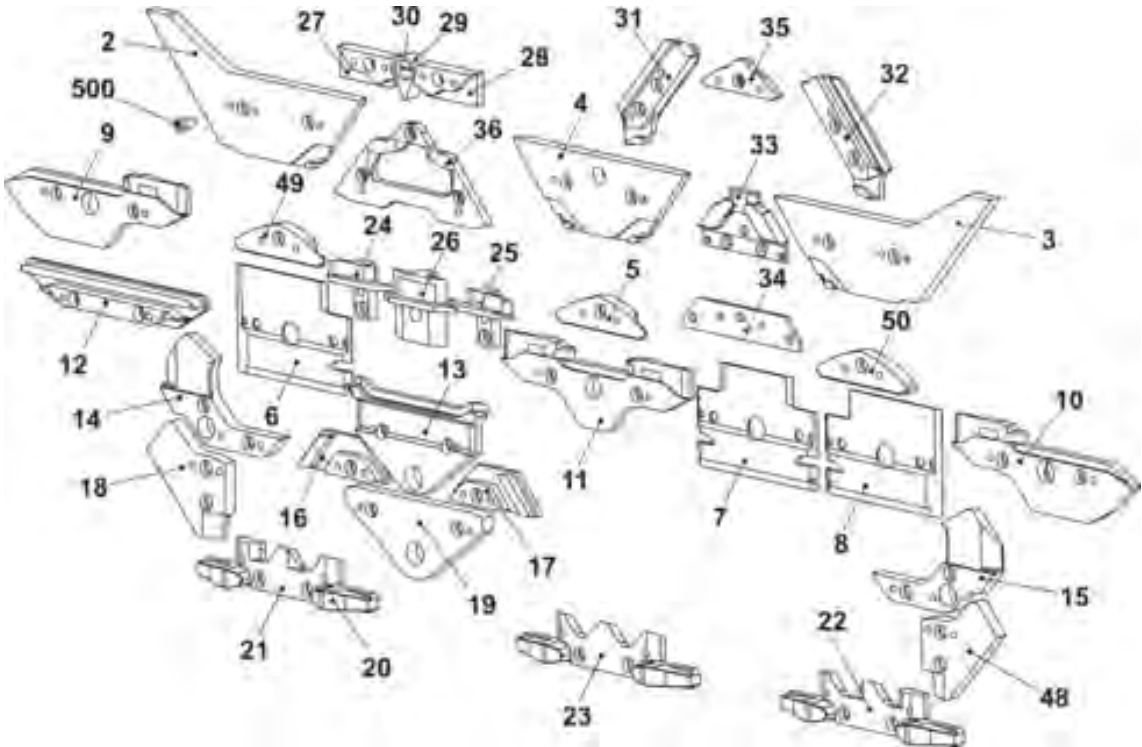
Pos	Designation		Id. no.		Pos	Designation		Id. no.
Σ	Cam box complete E2,5.2+3,5.2m.4L		261 063					
1	Cam plate		241 330		41	542	Circlip 3,2	021 019
37	Loop sinking cam on the right completeE5 – E10		211 163			543	Compression spring	250 515
38	Loop sinking cam on the left completeE5 - E10		211 164		42	Switching piece		240 281
39	Rod guide element on the left		211 165		58	Shoulder screw		239 626
40	Rod guide element in the middle		211 166		505	Shim0,5x12x75		236 654
41	Rod guide element on the right		211 168		509	Pan head screw M3x4		023 142
	402	Spring rod	209 791		540*	Shim0,3x8x28		023 452
	541	Disk4,1x6x0,5	022 893		541*	Shim0,5x8x28		023 020



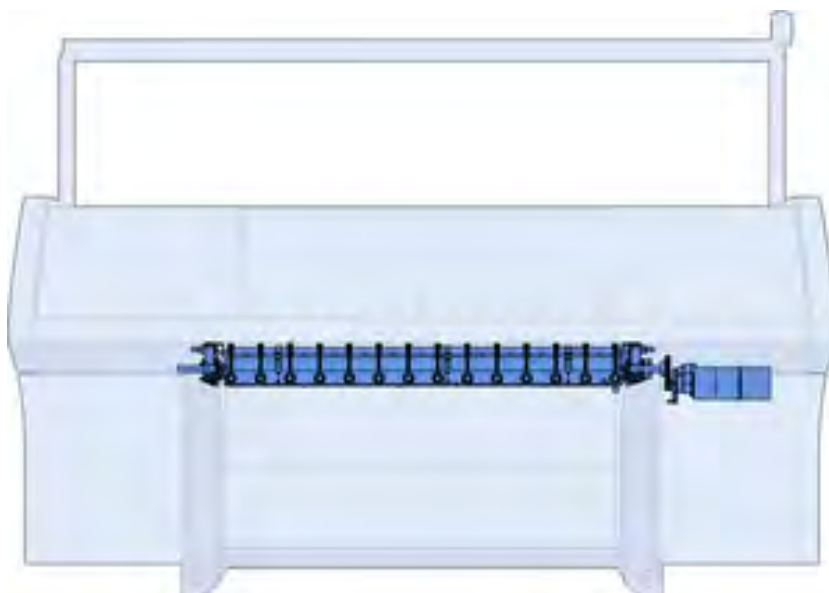
5.12 Cam box E3,5.2m.4L

5.12.1 Cams E3,5.2m.4L

Pos	Designation	Id. no.		Pos	Designation	Id. no.
2	Entry cam on the left	213 304		22	Selection cam on the right	212 947
3	Entry cam on the right	213 303		23	Selection cam	212 946
4	Entry cam at the top	210 285		24	Pressure part receiving on the left	239 848
5	Entry cam in the middle bottom E2,5.2 E3,5.2	235 719		25	Pressure part receiving on the right	239 849
6	Plate on the left	230 988		26	Tuck pressure part	239 621
7	Plate in the middle	231 035		27	Limiting cam on the left E2,5.2m.4L+E3,5.2m.4L	259 006
8	Plate on the right	231 036		28	Limiting cam on the right E2,5.2m.4L+E3,5.2m.4L	259 007
9	Cam on the left	231 039		29	Pointer E2,5.2 E3,5.2	229 505
10	Cam part at the right	231 041		30	Screw	210 335
11	Cam part at the center	231 040		31	Stitch cam on the left E2,5.2 E3,5.2	235 712
12	Cam part	227 923		32	Stitch cam on the right E2,5.2 E3,5.2	235 713
13	Cam part	210 254		33	Tuck limiting cam E2,5.2m.4L+E3,5.2m.4L	259 010
14	Cam on the left E5-14	212 265		34	Raising cam plate E4-12	204 372
15	Cam at the right E5-14	212 266		35	Receiving cam E5	259 008
16	Cam on the left	236 192		36	Raising cam without split-stitch E2,5.2m.4L+E3,5.2m.4L	259 009
17	Cam part at the right	236 193			Raising cam with split-stitch E2,5.2m.4L+E3,5.2m.4L Accessories	259 011
18	Cam on the left E5-14	259 766		48	Cam at the right E5-14	259 767
19	Cam part	210 252		49	Entry cam at the bottom on the left E5-8	235 718
20	Offering cam	210 185		50	Entry cam at the bottom on the right E5-8	235 720
21	Selection cam on the left	212 944		500	Cap screw M4x8	020 091

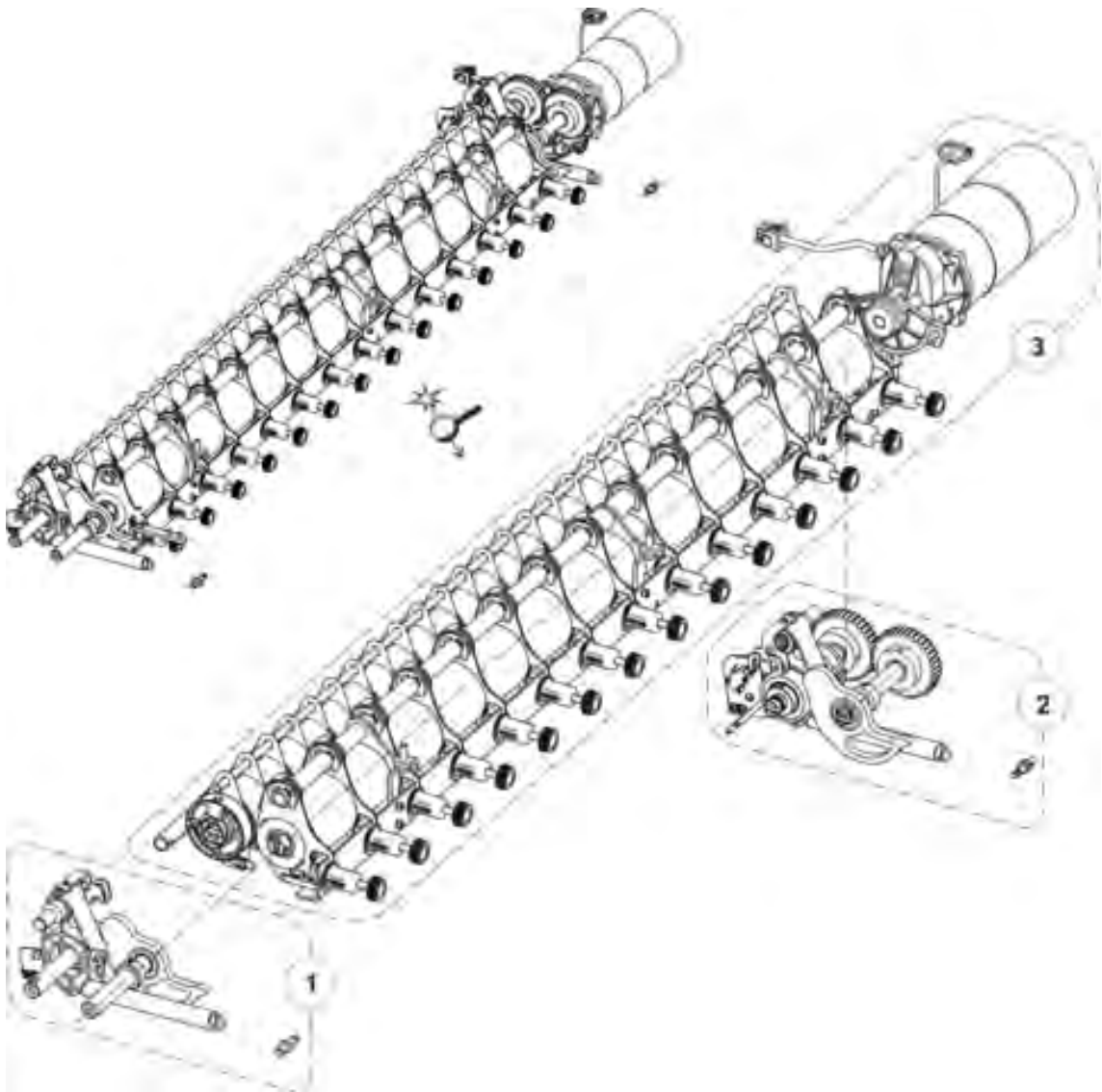


6 Main take-down



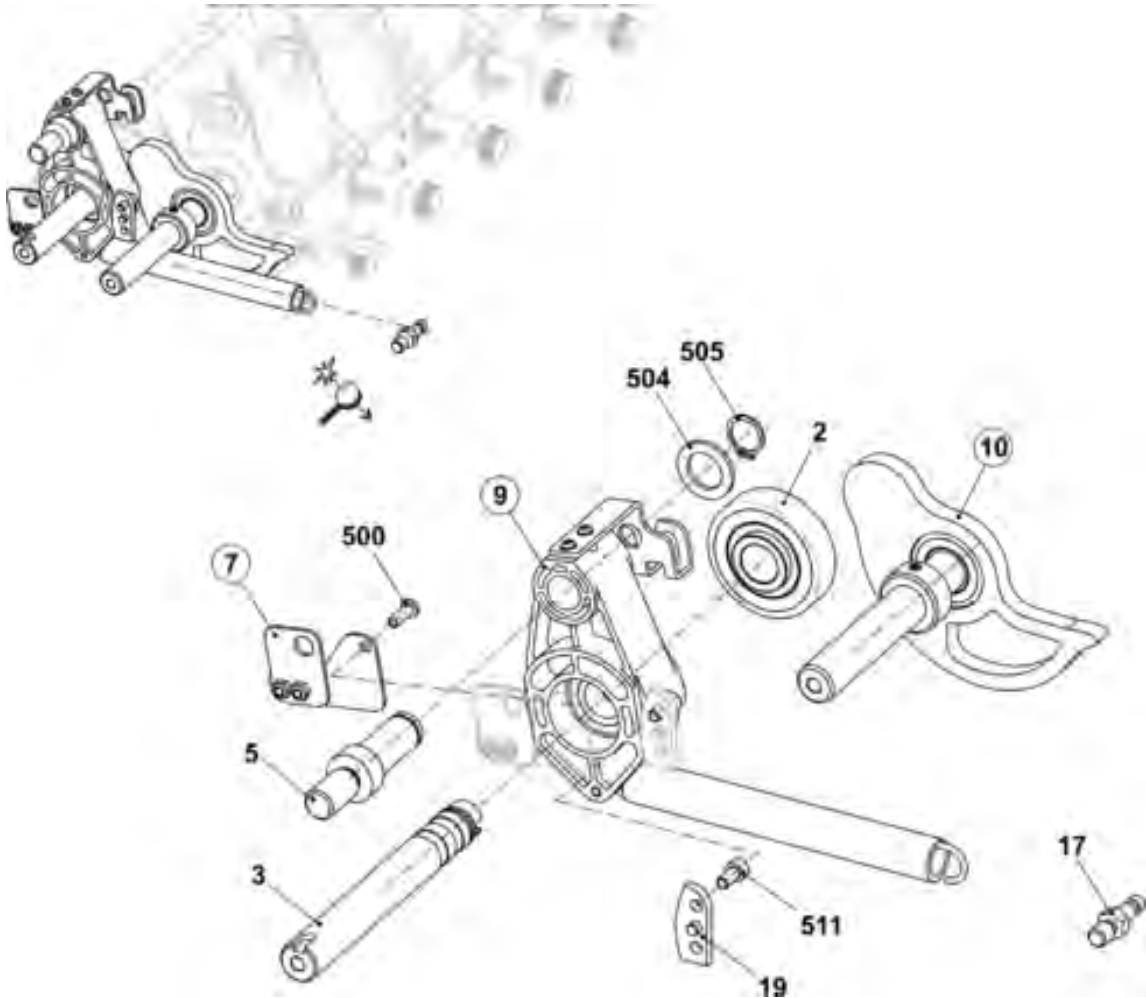
6.1 Main take-down

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



6.1.1 Main take-down on the left

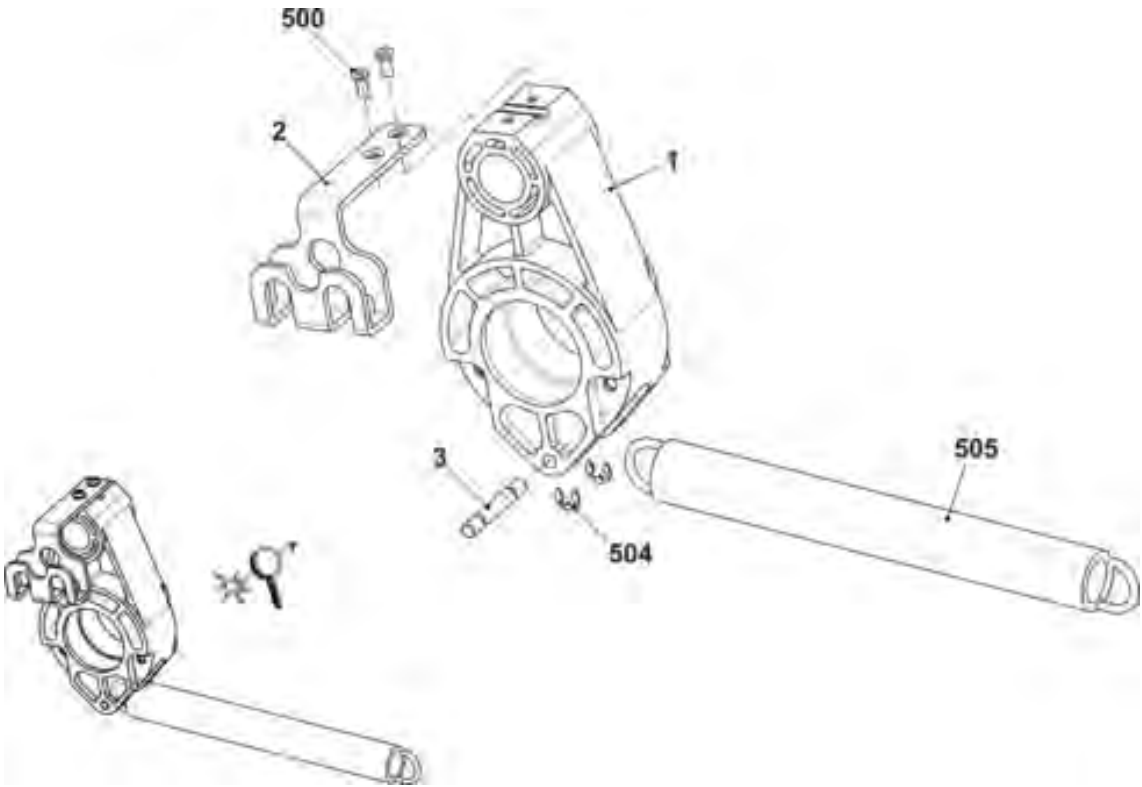
Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down on the left	253 851				
2	Bearing race complete	244 459		17	Spring bolt	221 143
3	Shaft on the left at the rear	221 012		19	Stop point	252 503
5	Bolts	208 538		500	Screw 50x15	251 728
7	Mounting plate on the left complete	231 725		504	Washer18	023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



6.1 Main take-down

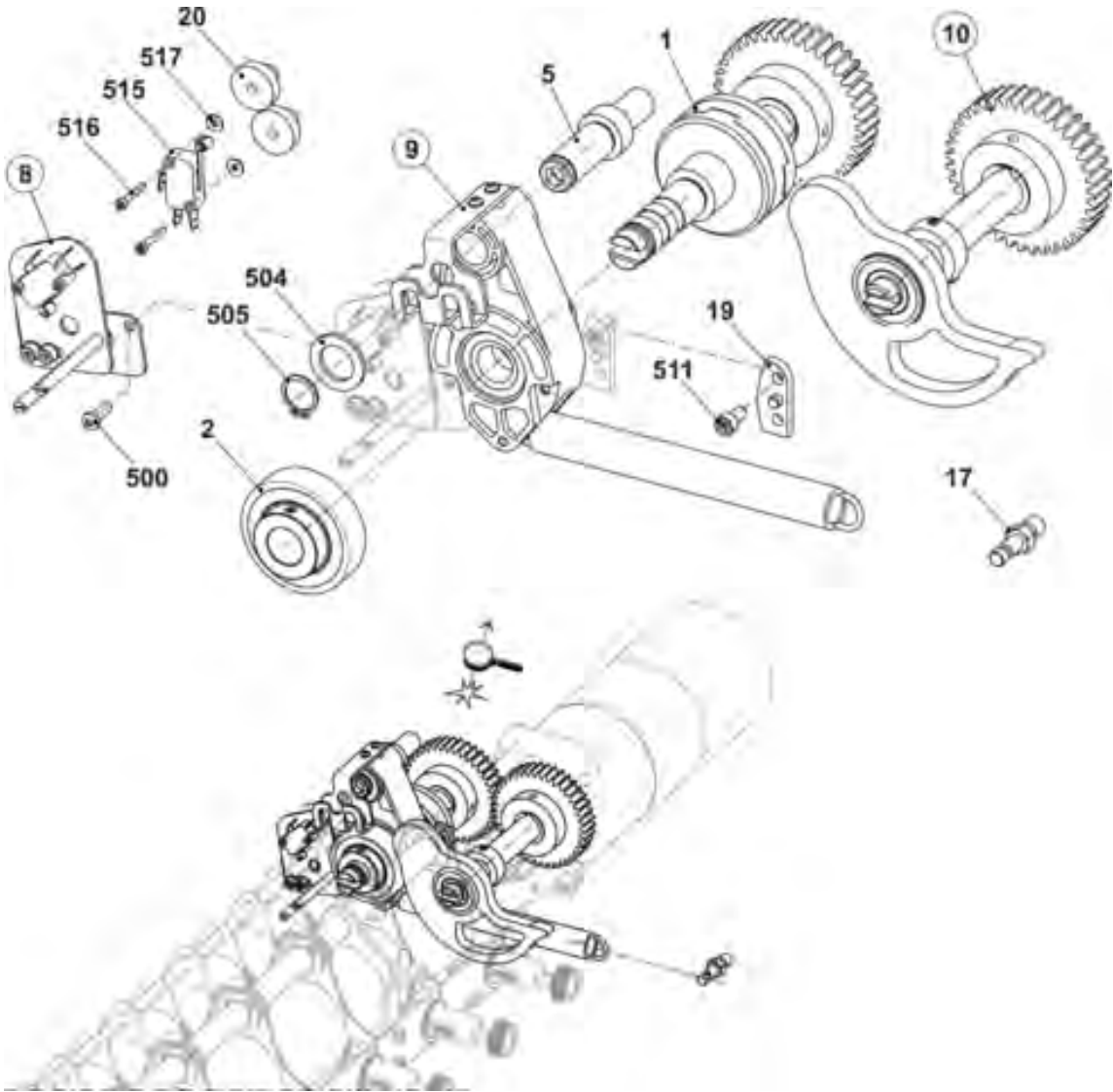
6.1.1.1 Swivel-mounted bearing

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



6.1.2 Main take-down on the right

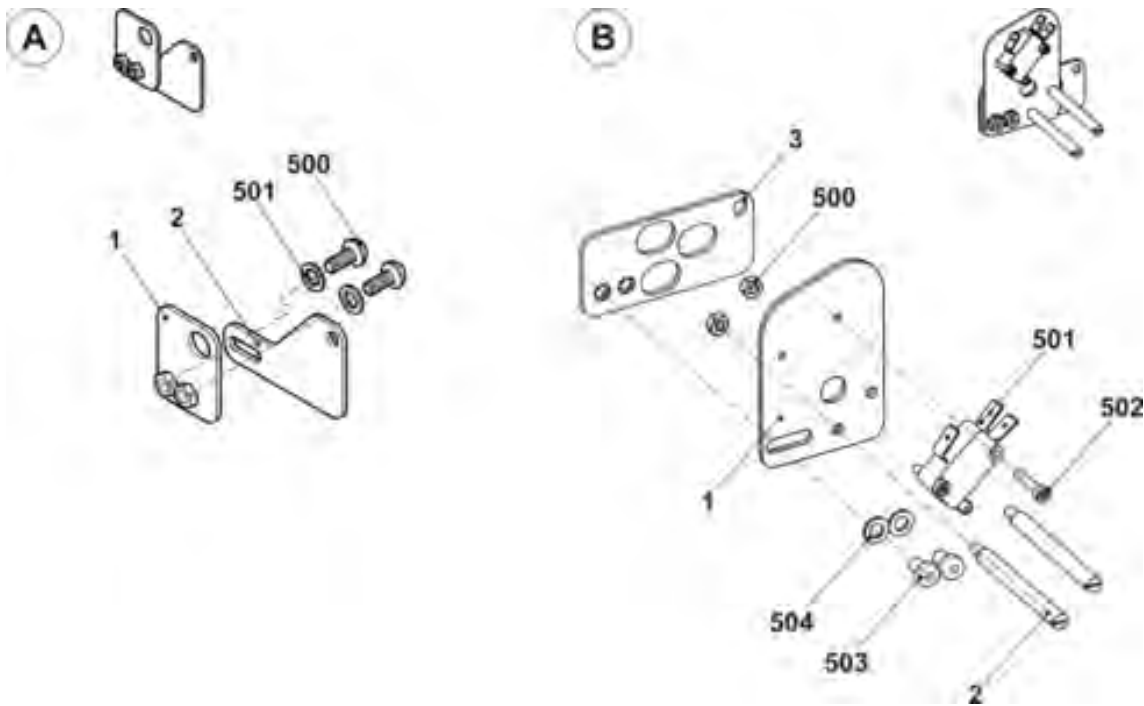
Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down on the right	253 852				
1	Clutch set	251 677		20	Threaded bush	222 522
2	Bearing race complete	244 459		500	Screw 50x15	251 728
5	Bolts	208 538		504	Washer18	023 295
8	Mounting plate on the right complete	260 090		505	Retaining ring18x1,2	020 955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



6.1 Main take-down

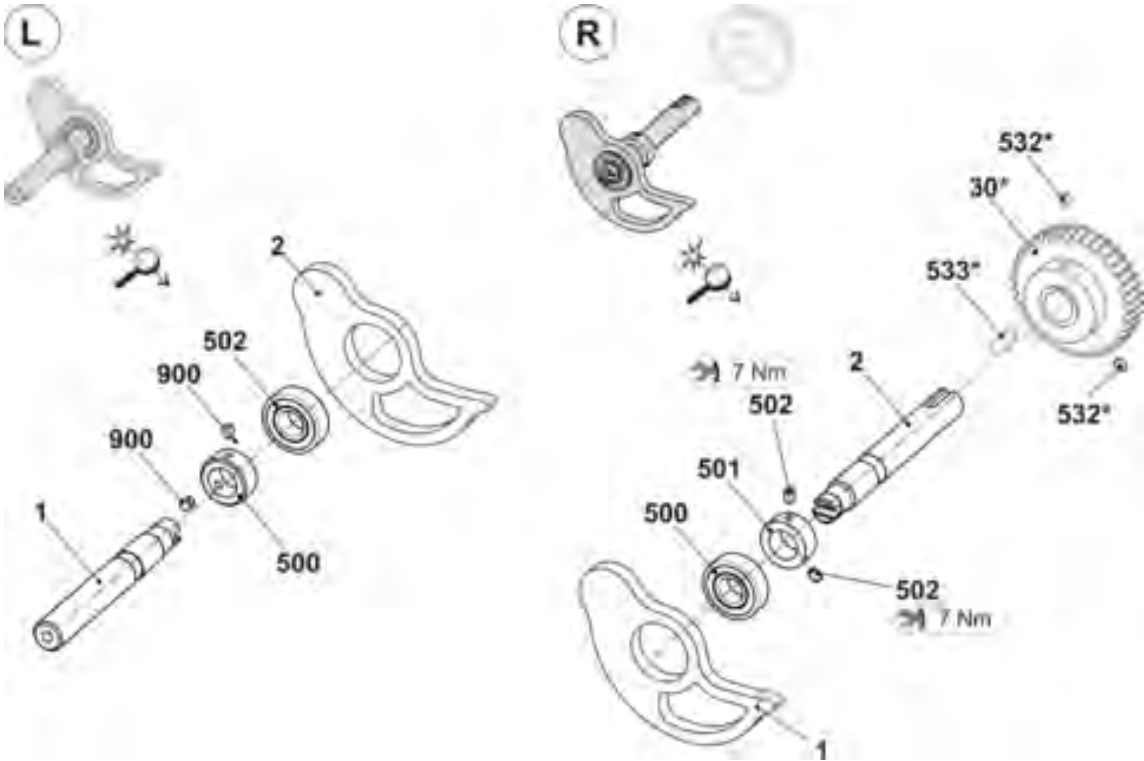
6.1.2.1 Mounting plate

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



6.1.2.2 Full floating axle

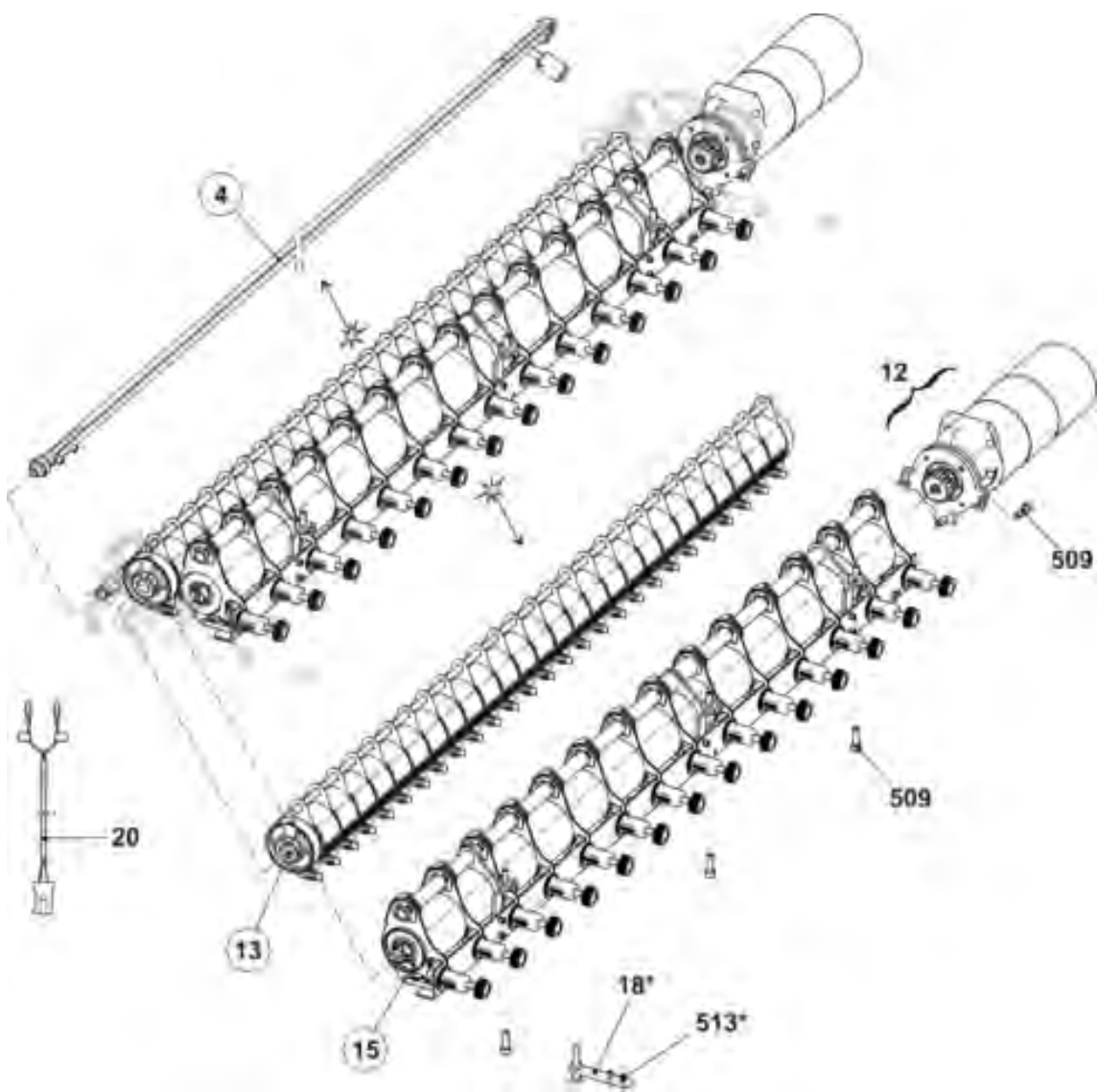
Pos	Designation	Id		Pos	Designation	Id
Σ L	Full floating axle on the left	251 984		Σ R	Full floating axle on the right	251 985
1	Shaft on the left at the front	221 013		1	Eccentric	251 959
2	Eccentric	251 959		2	Shaft on the right	223 393
500	Set collar	020 938		500	Fitting freewheel ZZ6203L	023 294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



6.1 Main take-down

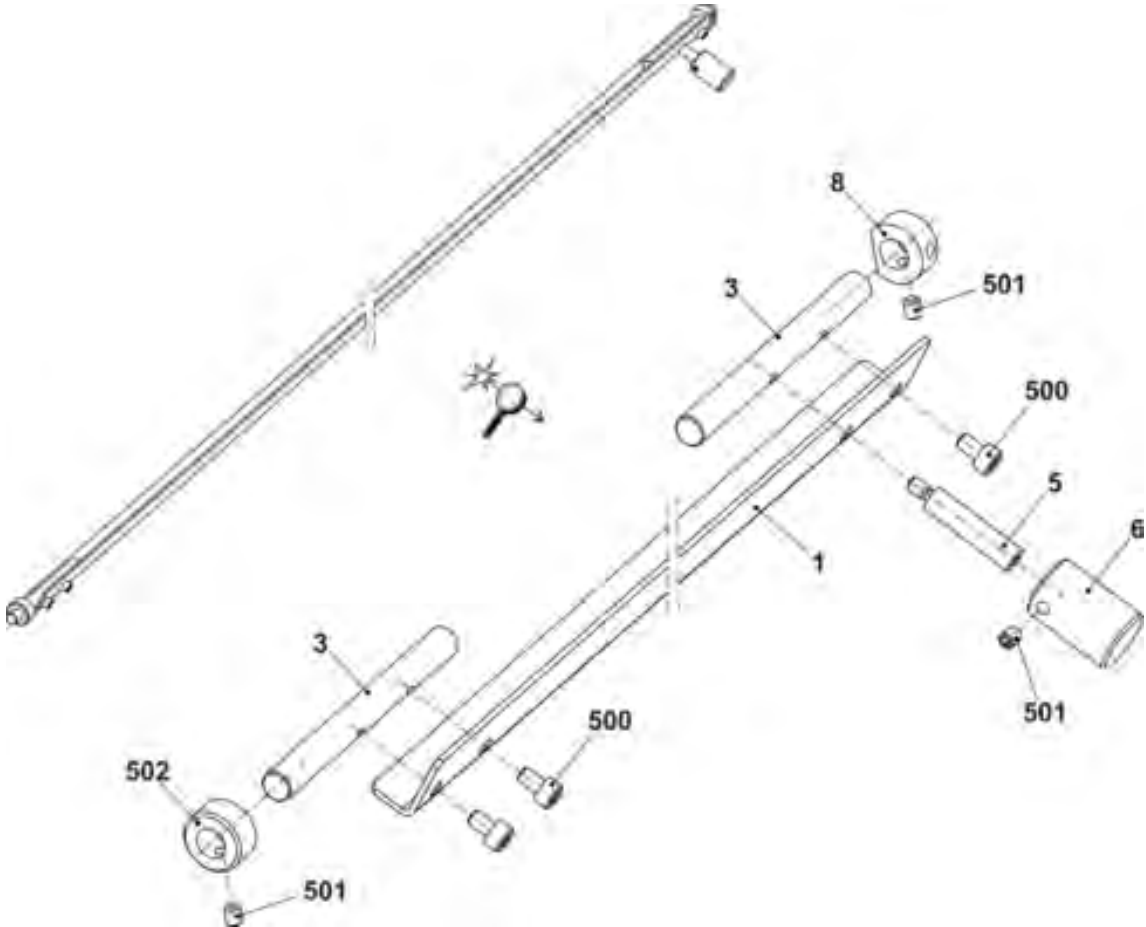
6.1.3 Main take-down in the middle

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Main take-down in the middleE5-14	253 525		20	Connection cable winding plate	241 703
4	Stripper angle at the rear complete	264 119		509	Cap screw M8x25	020 142
12	Motor take-down unit complete	253 803		18*	Stop point	253 432
13	Take-down roller at the rear complete E5-14	253 853		512*	Washer 6	020 881
15	Take-down roller at the front complete	241 426		513*	Pan head screw M6x16	023 124



6.1.3.1 Stripper angle

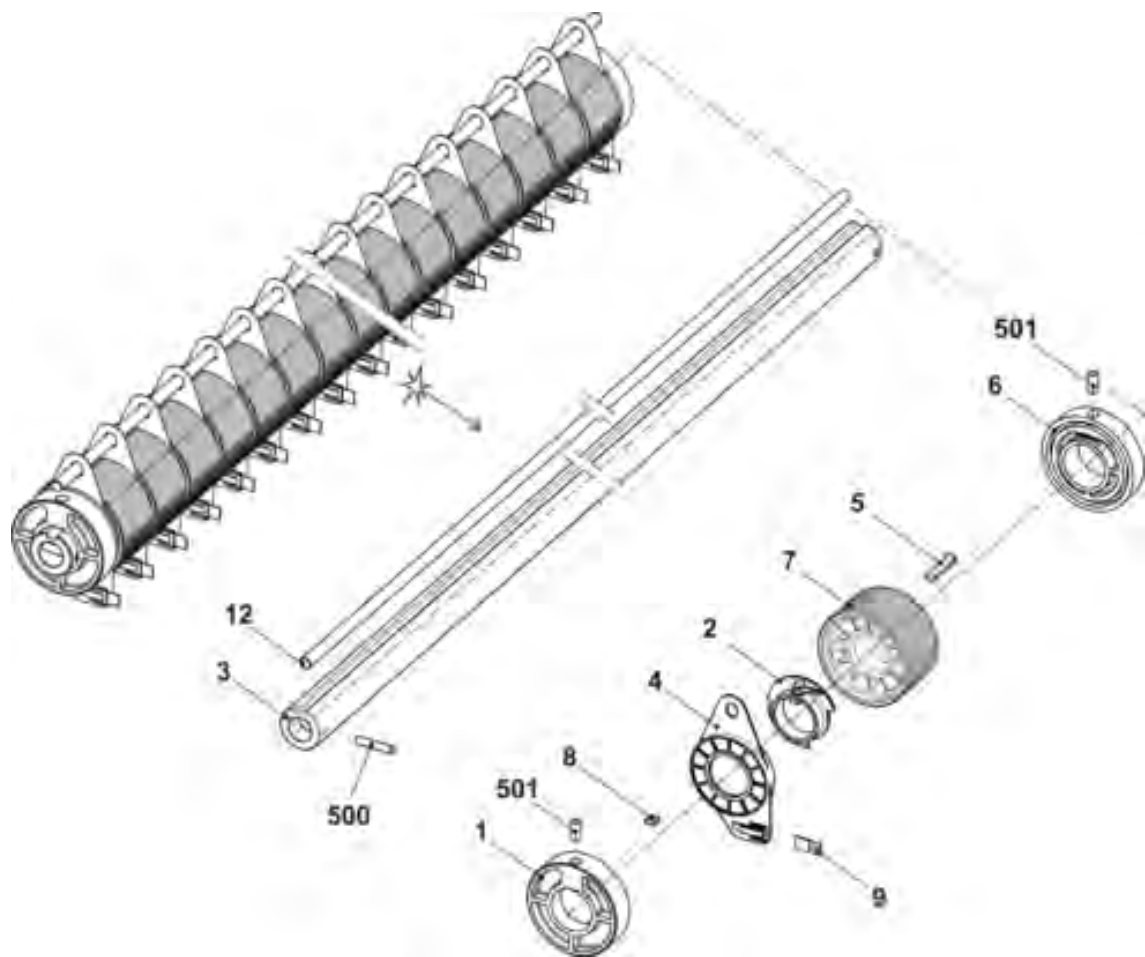
Pos	Designation	Id		Pos	Designation	Id
Σ	Stripper angle at the rear complete	264 119				
1	Stripper angle	263 955		8	Cam	260 109
3	Axle	259 969		500	Cap screw M5x8	023 319
5	Bolts	228 310		501	Setscrew M5x6	022 738
6	Adjustment weight	229 248		502	Set collarA10	020 934



6.1 Main take-down

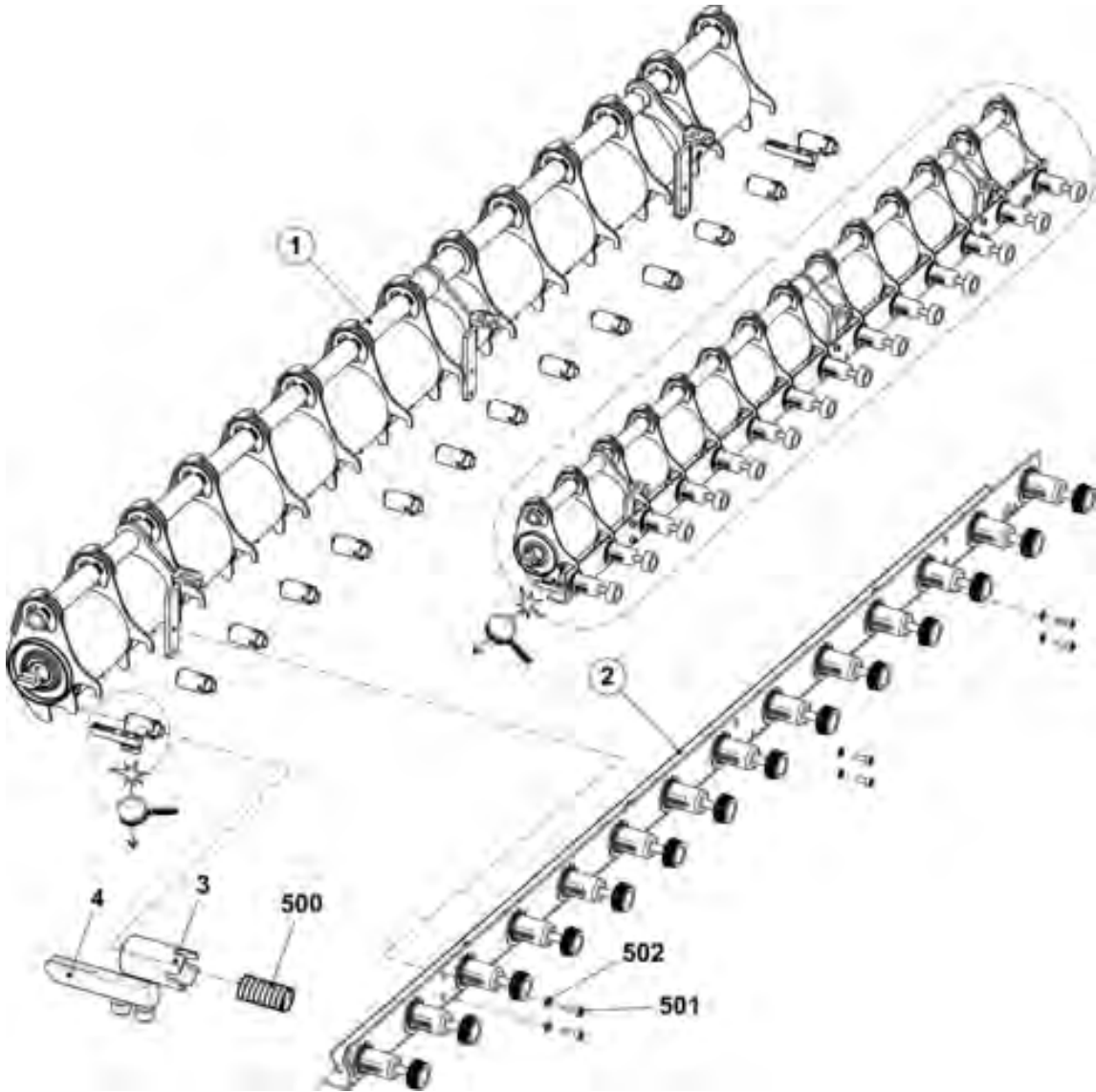
6.1.3.2 Rear take-down roller

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



6.1.3.3 Front take-down roller

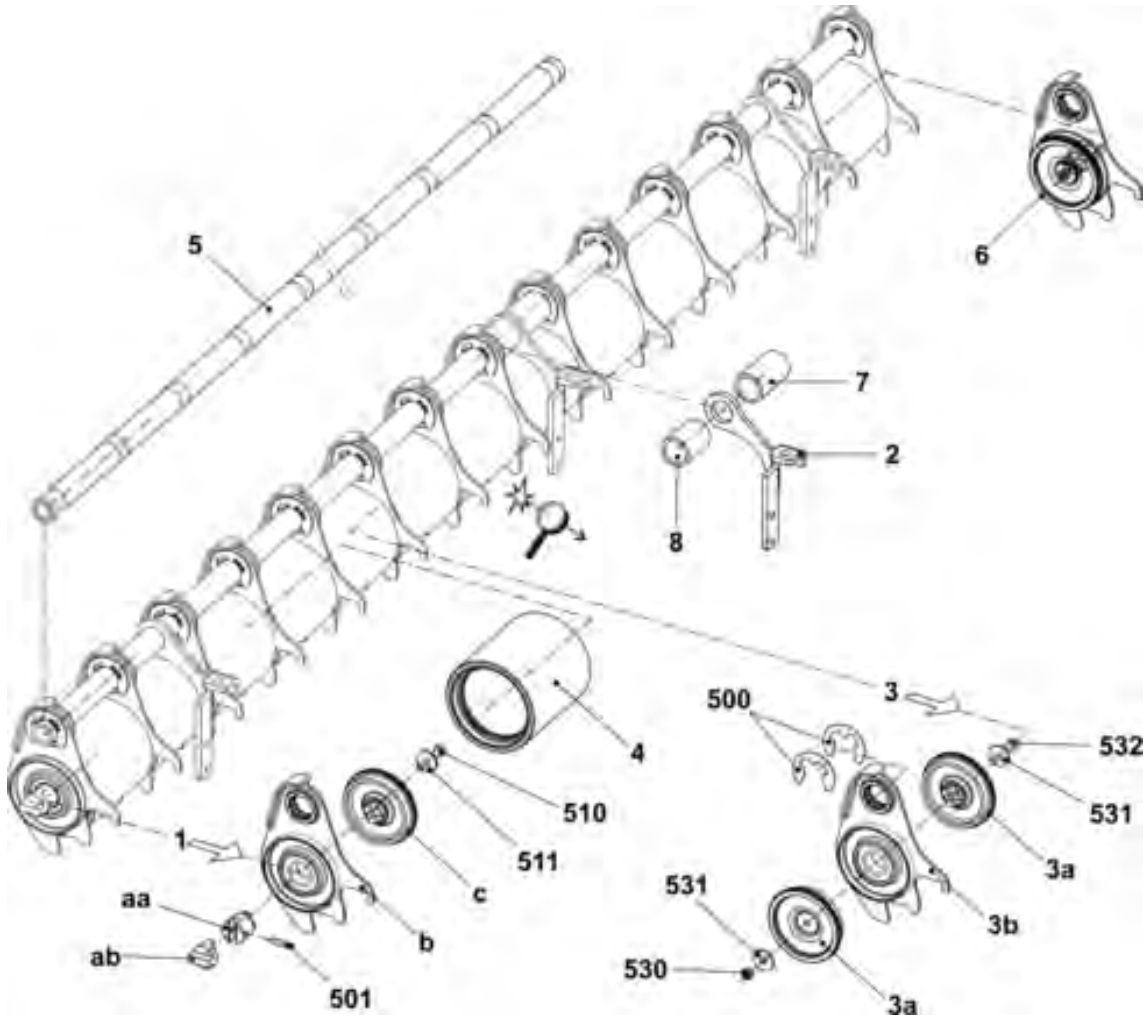
Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller at the front complete	241 426		4	Locating piece	221 935
1	Take-down roller at the front	221 243		500	Compression spring 1x10x30	023 741
2	Angle rail complete	241 425		501	Cap screw M5x12	020 132
3	Pressure sleeve	220 911		502	Washer5-200	020 880



6.1 Main take-down

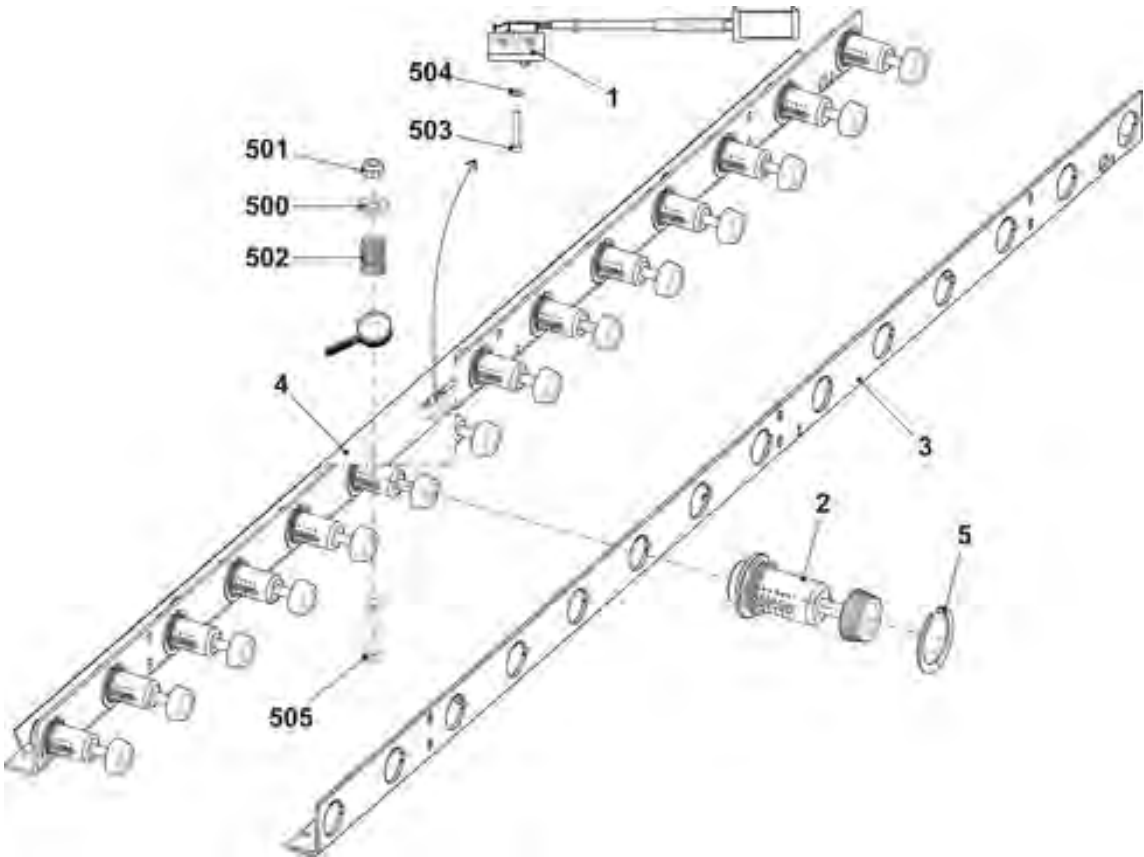
6.1.3.3.1 Front roller elements

Pos	Designation		Id		Pos	Designation		Id
Σ	Take-down roller at the front		221 243					
1	Bearing support on the left complete		221 225		4	Roller		220 905
	aa	Universal joint	221 137		5	Tube		221 092
	ab	adaptor	221 132		6	Bearing support on the right complete		221 240
	b	Bearing support	220 913			aa	Universal joint	221 137
	c	Gear wheel	220 910			ab	adaptor	221 132
	501	Spring dowel sleeve 4x20	023 551			b	Bearing support	220 913
	510	Cap screw M5x20	020 133			c	Gear wheel	220 910
	511	Washer5	023 542			501	Spring dowel sleeve 4x20	023 551
			510			Cap screw M5x20	020 133	
			511			Washer5	023 542	
2	Support		251 557		7	Spacer pipe on the right		253 407
3	Bearing support complete		221 241		8	Spacer pipe on the left		253 408
	3b	Bearing support	220 913		500	Circlip		021 025
	3a	Gear wheel	220 910					
	530	Hexagon nut M5	023 541					
	531	Washer5-100hv	023 542					
	532	Cap screw M5x30	022 396					



6.1.3.3.2 Pressure angle rail

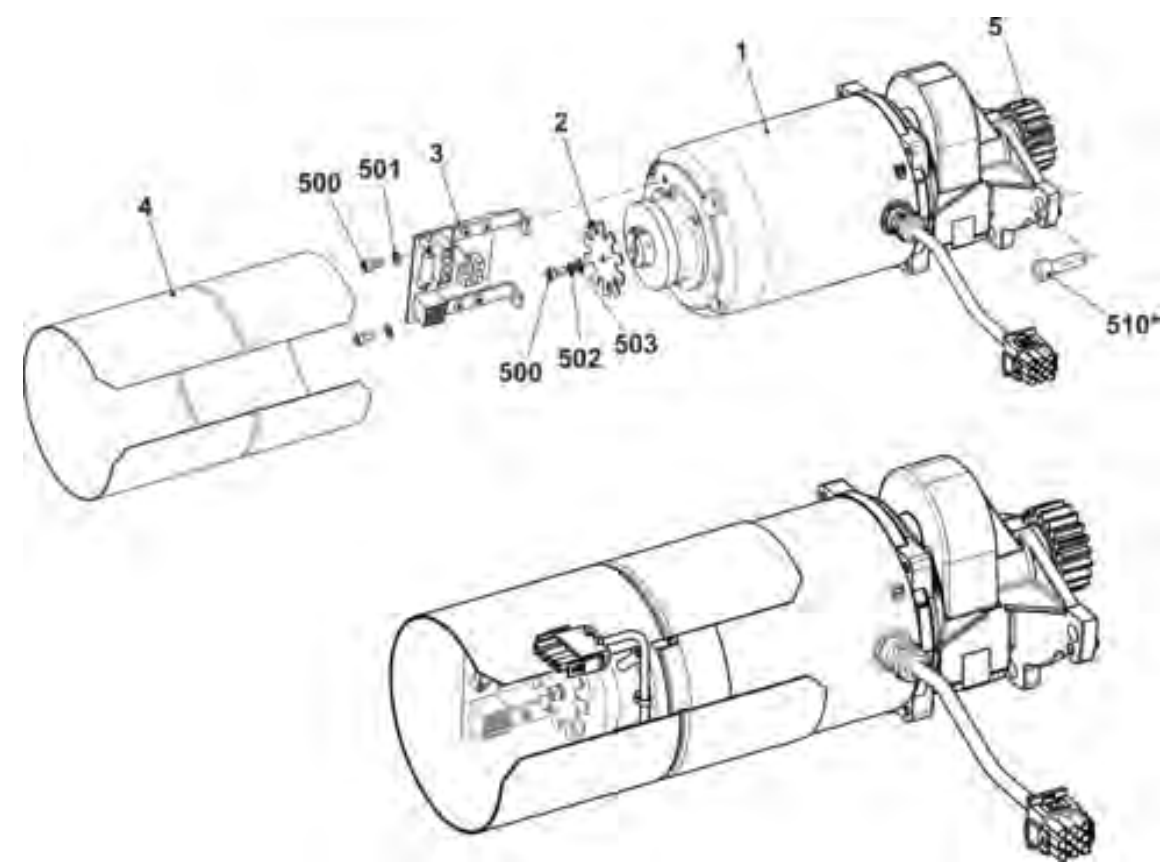
Pos	Designation	Id		Pos	Designation	Id
Σ	Angle rail complete	241 425		500	Washer6-200	022 431
1	Switch complete with cable	221 265		501	Hexagon nut M5-8	023 541
2	Spring flange	242 327		502	Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	241 773		503	Cap screw M2x12	023 522
4	Winding plate	221 101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



6.1 Main take-down

6.1.3.4 Impulse sensor and motor

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



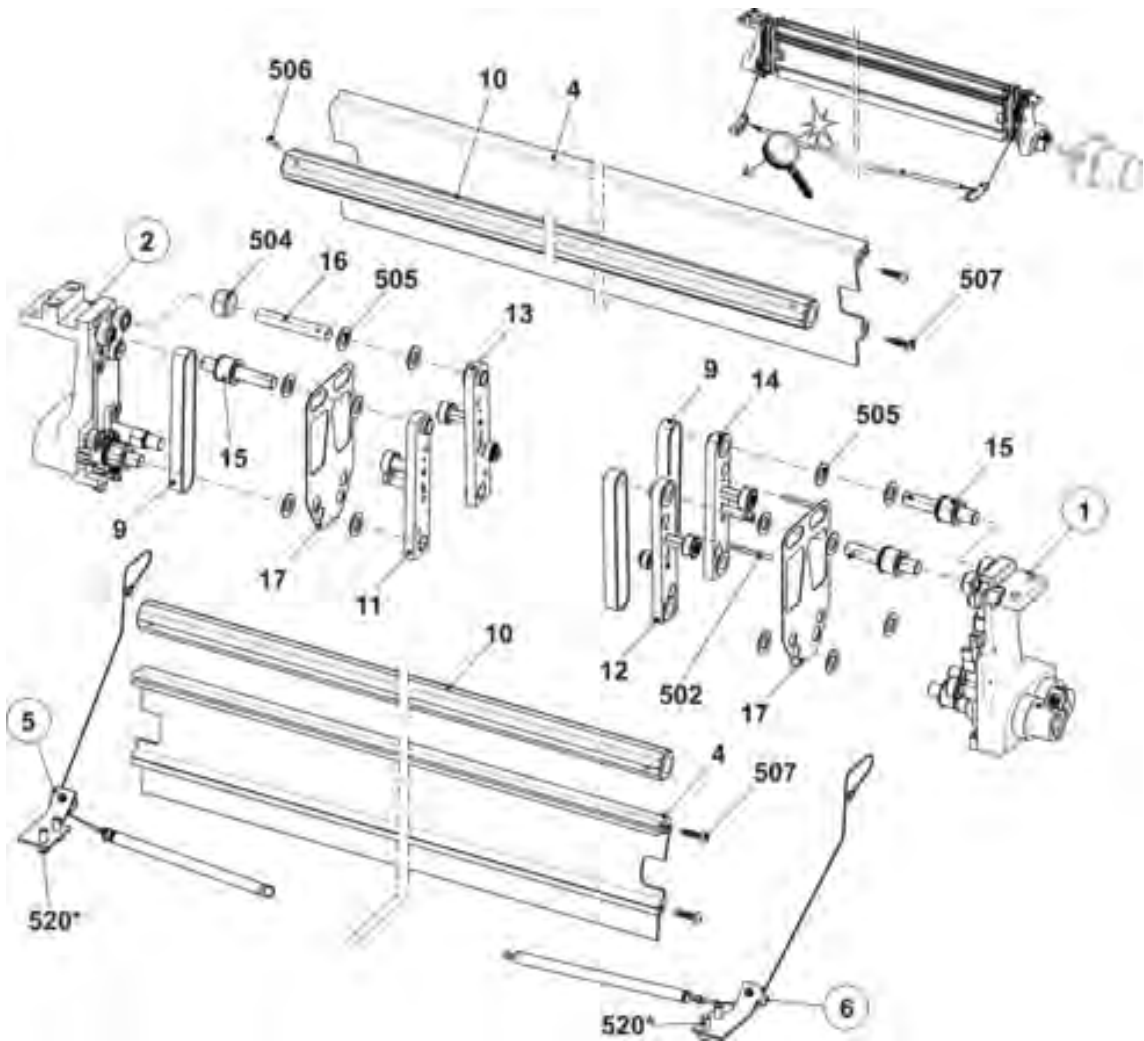
7 Auxiliary take-down



7.1 Auxiliary take-down pre-assembled

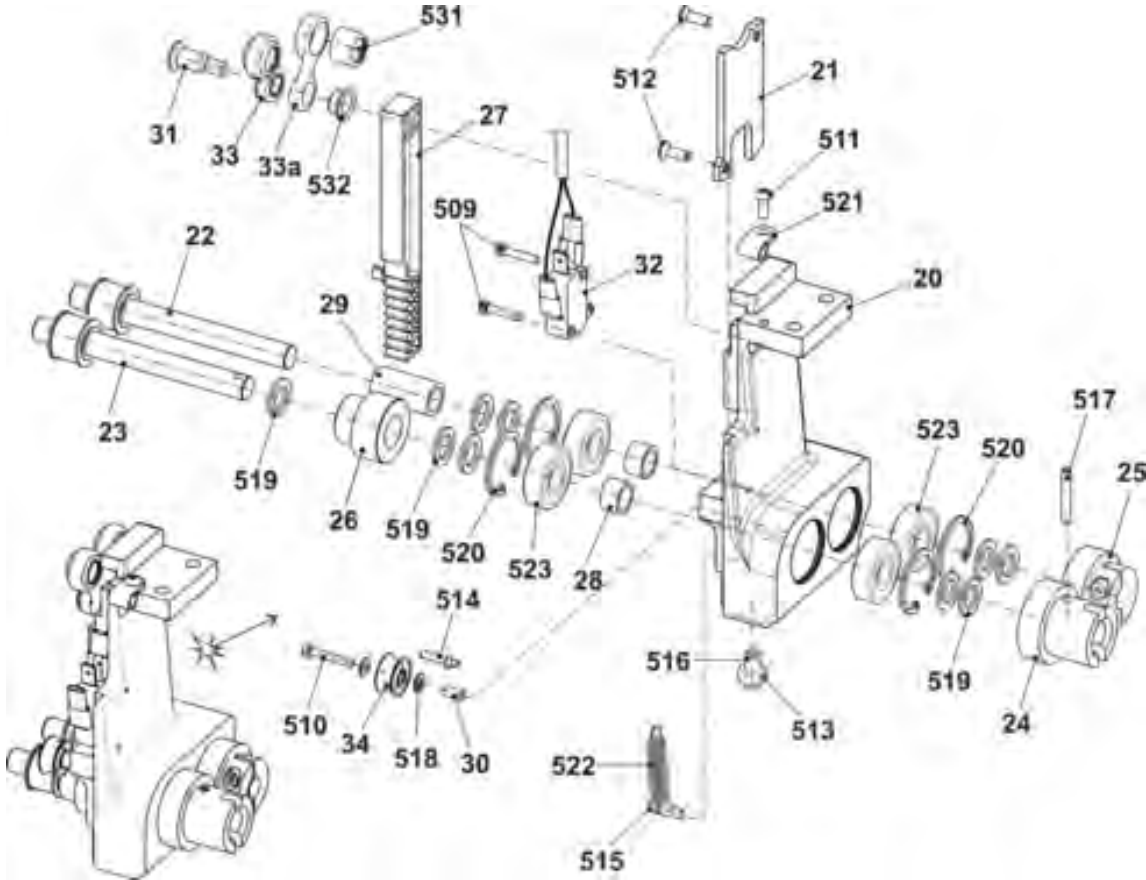
7.1 Auxiliary take-down pre-assembled

Pos	Designation	Id		Pos	Designation	Id
Σ	Auxiliary take-down pre-assembled	254 061				
1	Bearing on the right complete	239 996		14	Lever at the rear on the right	227 260
2	Bearing on the left complete	239 999		15	Toothed belt pulley complete	226 708
4	Guide plate	213 362		16	Bolts	227 914
5	Metal angle on the left complete	225 013		17	Protective plate	225 754
6	Metal angle on the right complete	225 014		502	Shoulder screwM3x27x32	023 634
9	Toothed belt10T5/260	208 832		504	Set collar	020 934
10	Take-down roller	224 891		505	Stop disk	023 646
11	Lever at the front on the left	227 263		506	Spring dowel sleeve 3x20	020 776
12	Lever at the front on the right	227 262		507	Sheet metal screw St4,8x22-C	023 259
13	Lever at the rear on the left	227 261		520*	Cap screw M6x16	020 135



7.1.1 Right bearing of the auxiliary take-down

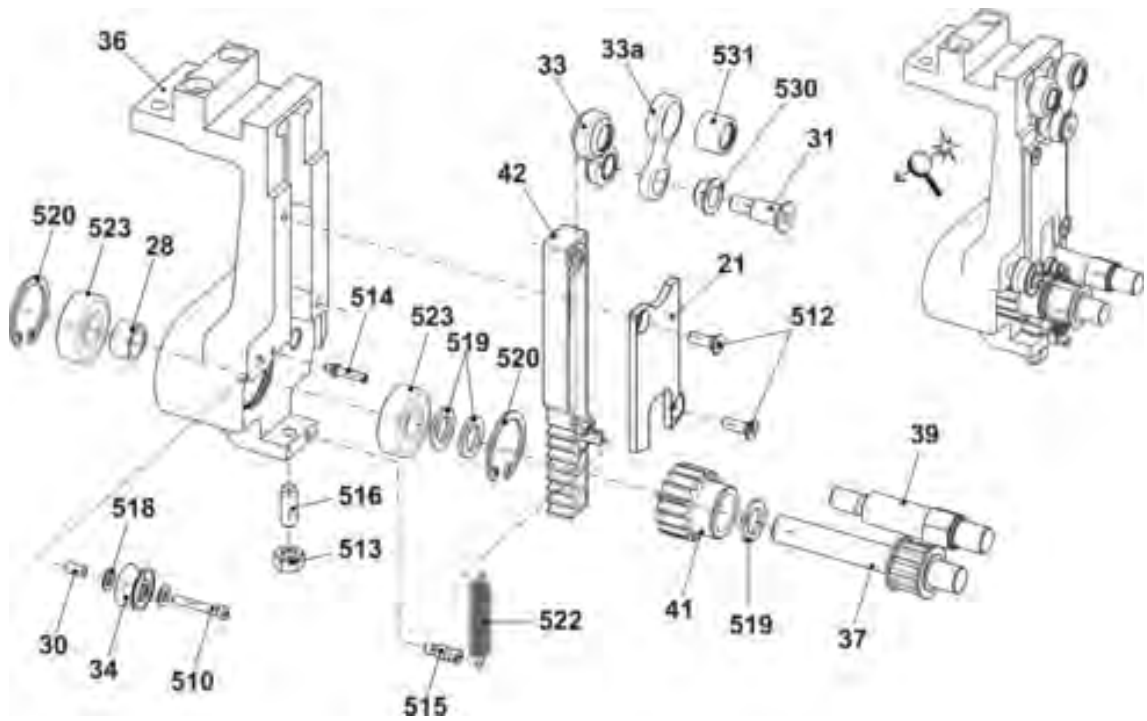
Pos	Designation	Id		Pos	Designation	Id
Σ	Bearing on the right complete	239 996			532 Slide bearing GFM-081014-06	023 358
20	Bearing block on the right	258 913		34	Roller deflector	218 805
21	Cover	257 466		500	Cap screw M3x16	022 560
22	Drive shaft complete	227 857		510	Cap screw M3x20	022 448
23	Drive shaft complete	227 853		511	Pan head screw M4x10	023 450
24	Gear wheel M=1,5, Z=20	213 880		512	Countersunk head screw M4x12	023 062
25	Gear wheel M=1,5, Z=20	210 504		513	Hexagon nut M6-6	020 836
26	Gear wheel on the right complete	218 524		514	Threaded bolt with shoulder	243 226
27	Gear rack on the right	253 487		515	Shoulder screwM4x9x14	020 602
28	Threaded spacer	229 683		516	Setscrew M6x16-45	023 092
29	Sleeve	227 257		517	Spiral pin 4x24	023 544
30	Sleeve	239 997		518	Shim ring 4x8x0,5	023 384
31	Collar bolt	210 551		519	Shim ring 10x16x1,5	023 261
32	Cable with switch auxiliary take-downokc	243 142		520	Retaining ring26x1,2	023 359
33	Connecting rod complete	226 710		521	Fastening clip 255/5,2	008 335
	33a Connecting rod	255 696		522	Tension spring 7,5x0,7x28	023 595
	531 Needle roller bearing HK1010	023 664		523	Grooved ball bearing 6000-2Z	022 599



7.1 Auxiliary take-down pre-assembled

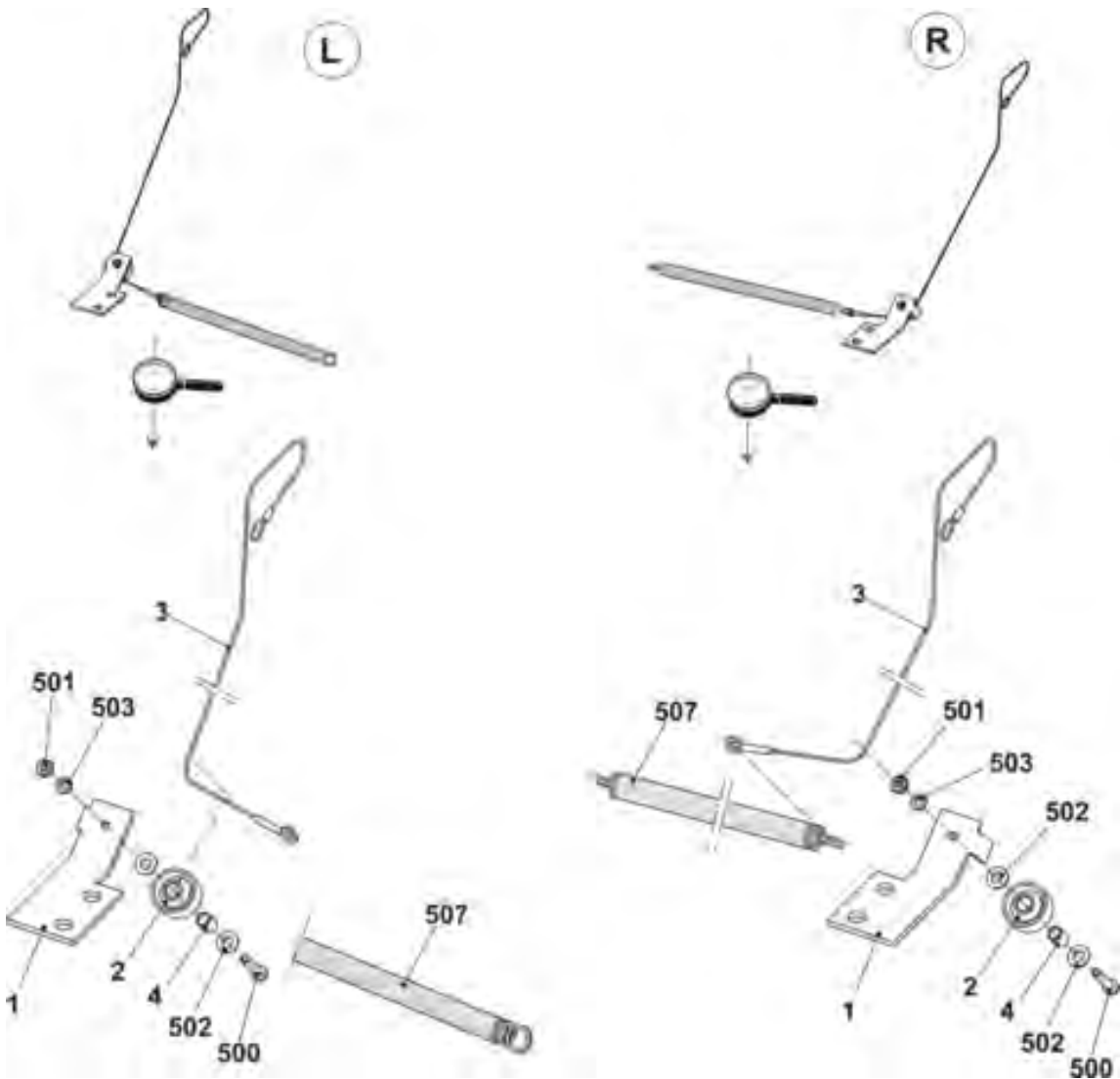
7.1.2 Left bearing of the auxiliary take-down

Pos	Designation		Id		Pos	Designation	Id
Σ	Bearing on the left		239 999		41	Gear wheel on the left complete	218 523
21	Cover		257 466		42	Gear rack on the left	253 488
28	Threaded spacer		229 683		510	Cap screw M3x20	022 448
30	Sleeve		239 997		512	Countersunk head screw M4x12	023 062
31	Collar bolt		210 551		513	Hexagon nut M6-6	020 836
33	Connecting rod complete		226 710		514	Threaded bolt with shoulder	243 226
	33a	Connecting rod	255 696		515	Shoulder screwM4x9x14	020 602
	530	Slide bearing GFM-081014-06	023 358		516	Setscrew M6x16-45	023 092
	531	Needle roller bearing HK1010	023 664		518	Shim ring 4x8x0,5	023 384
34	Roller deflector		218 805		519	Shim ring 10x16x1,5	023 261
36	Bearing block on the left		258 914		520	Retaining ring26x1,2	023 359
37	Drive shaft complete		227 887		522	Tension spring 7,5x0,7x28	023 595
39	Bolts		226 705		523	Grooved ball bearing 6000-2Z	022 599



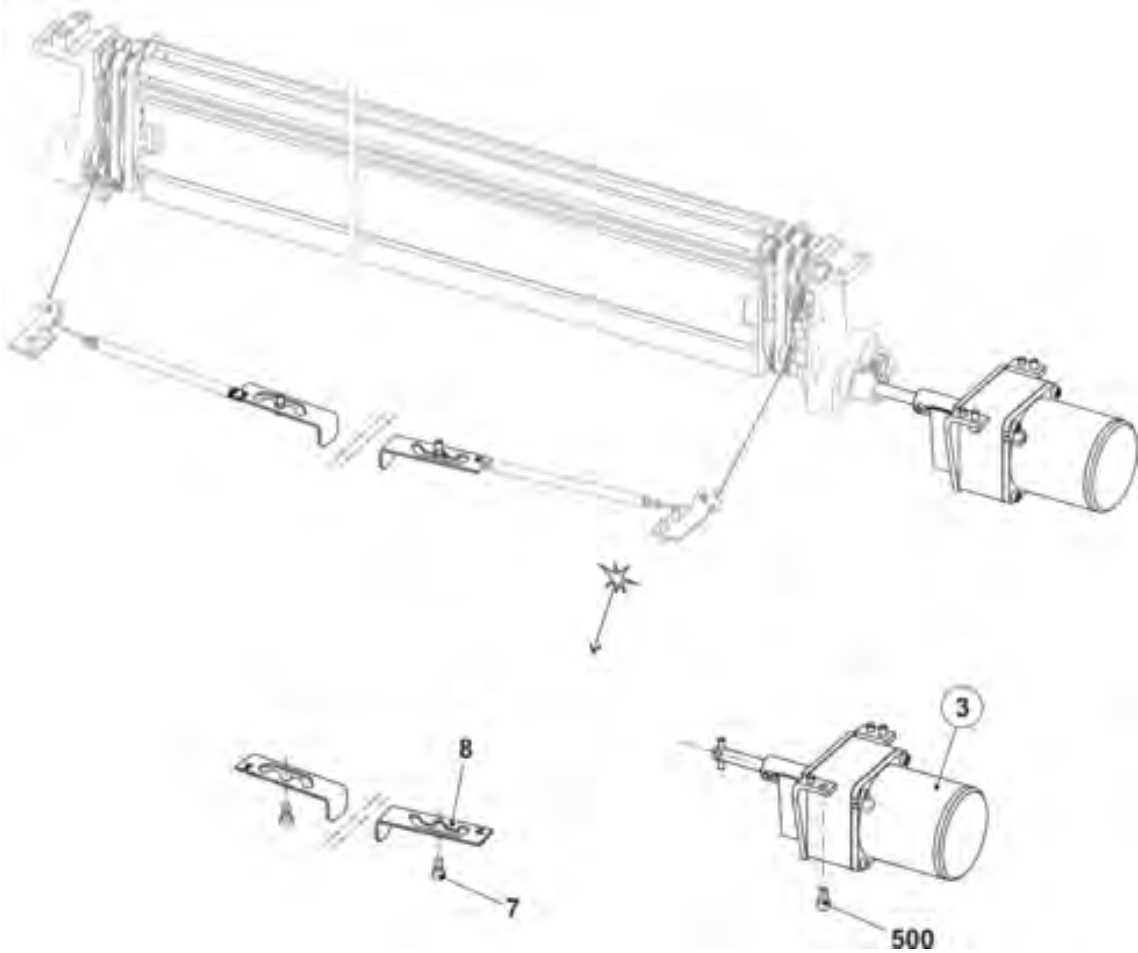
7.1.3 Metal angle on the left and right complete

Pos	Designation	Id		Pos	Designation	Id
Σ L	Metal angle on the left complete	225 013		Σ R	Metal angle on the right complete	225 014
1	Metal angle on the left	224 920		1	Metal angle on the right	224 931
2	Roller deflector	218 805		2	Roller deflector	218 805
3	Fine rope	224 977		3	Fine rope	224 977
4	Sleeve	227 867		4	Sleeve	227 867
500	Cap screw M3x16	022 560		500	Cap screw M3x16	022 560
501	Hexagon nut M3-6	022 564		501	Hexagon nut M3-6	022 564
502	Shim ring 4x8x0,5	023 384		502	Shim ring 4x8x0,5	023 384
503	Spring washerA3	021 005		503	Spring washer A3	021 005
507	Tension spring 8x0,9x75	021 287		507	Tension spring 8x0,9x75	021 287



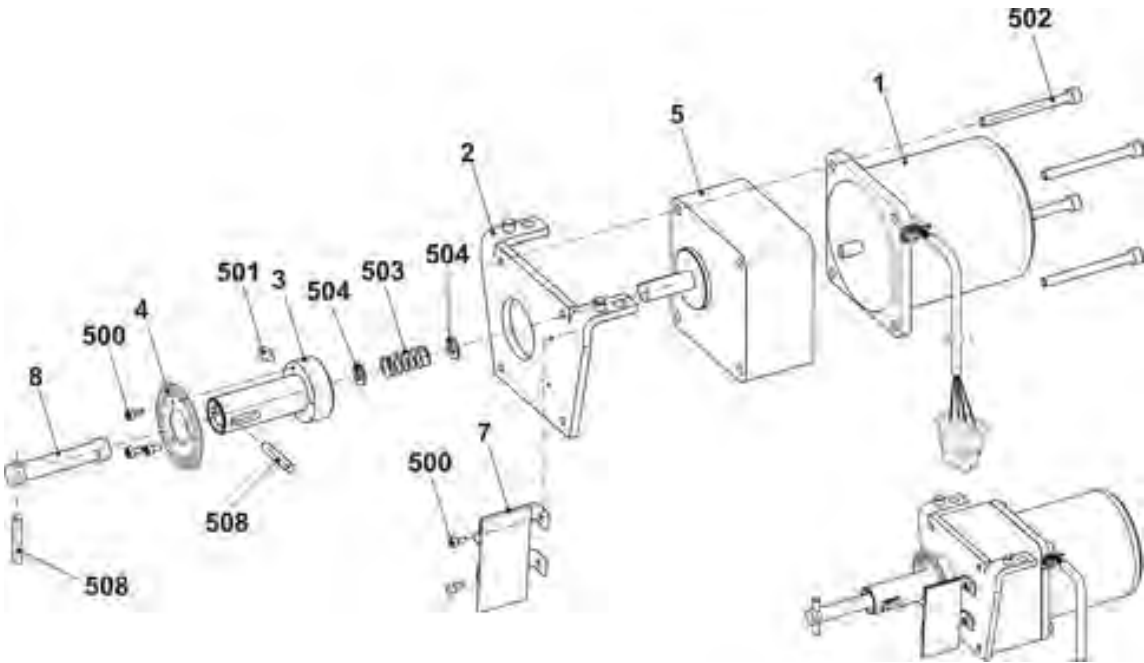
7.2 Auxiliary take-down in the middle

Pos	Designation	Id		Pos	Designation	Id
Σ	Auxiliary take-down in the middle	254 062				
3	Take-down motor complete auxiliary take-down	214 449		8	Detent plate	222 040
7	Shoulder screw	207 101		500	Cap screw M6x12	020 134



7.3 Motor

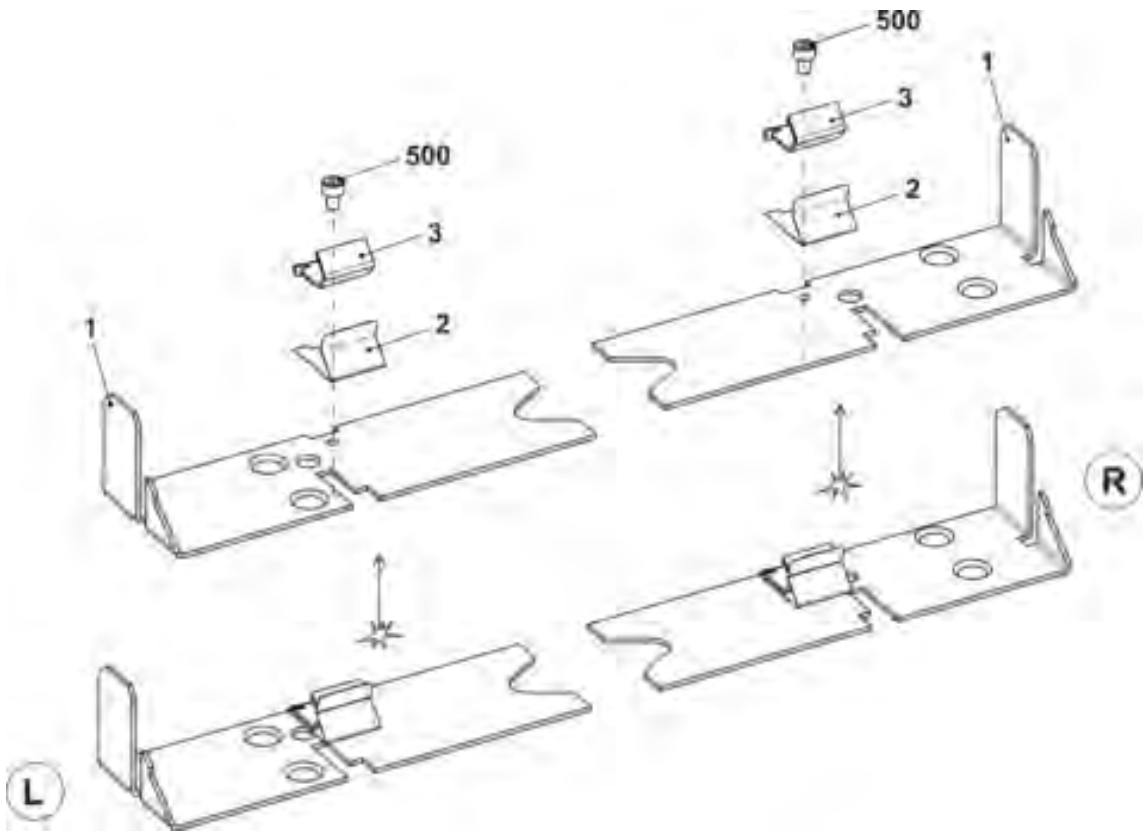
Pos	Designation	Id		Pos	Designation	Id
Σ	Motor auxiliary take-down complete	214 449		8	Wave	219 025
1	Motor auxiliary take-down	213 871		500	Cap screw M3x6	022 589
2	Motor bracket	218 040		501	Setscrew M6x10	023 543
3	Drive sleeve	219 024		502	Cap screw M5x55	023 321
4	Impulse disc	218 449		503	Compression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



7.4 Yarn brake at clamping and cutting bed

7.4 Yarn brake at clamping and cutting bed

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

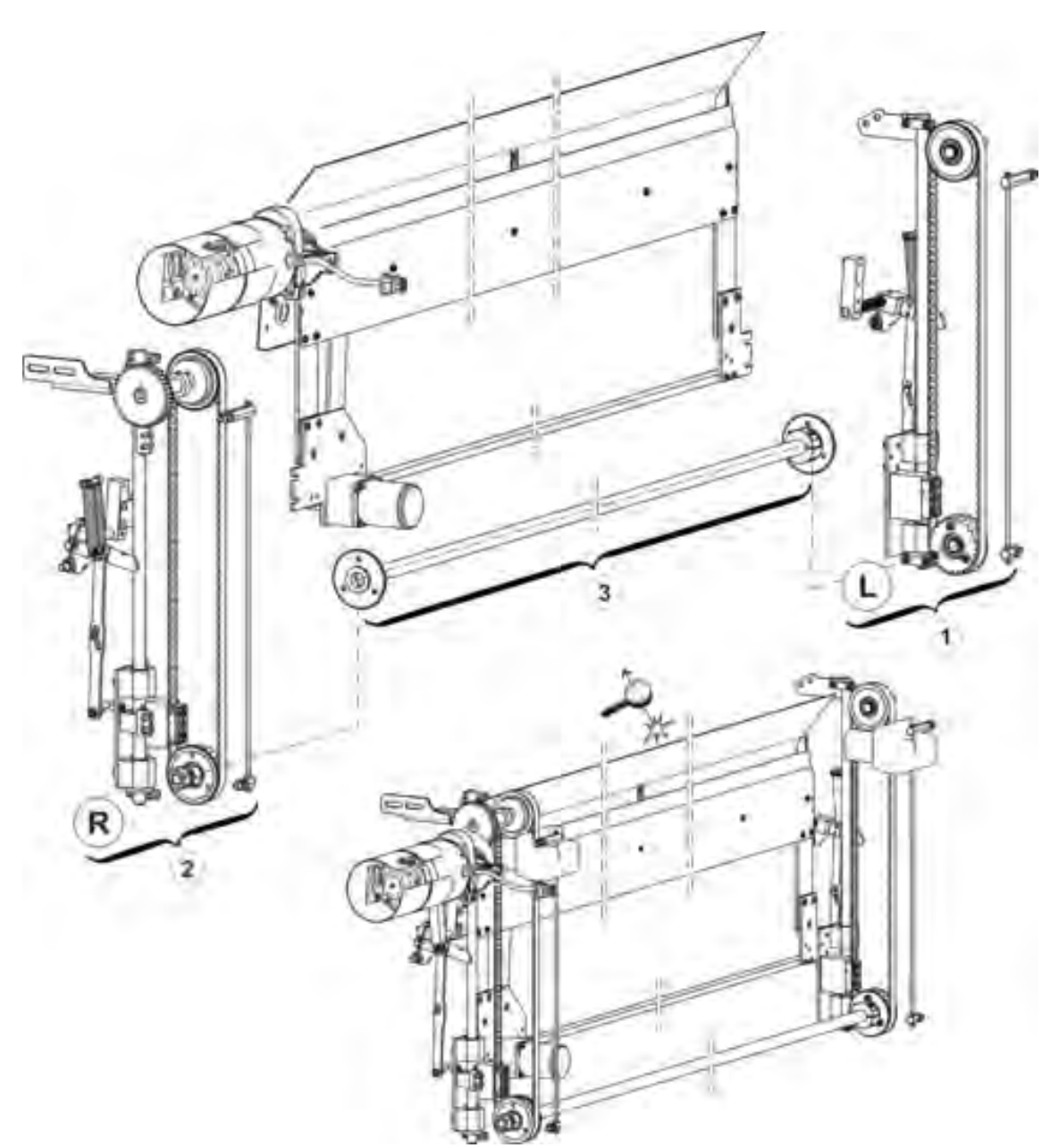


8 Comb take-down



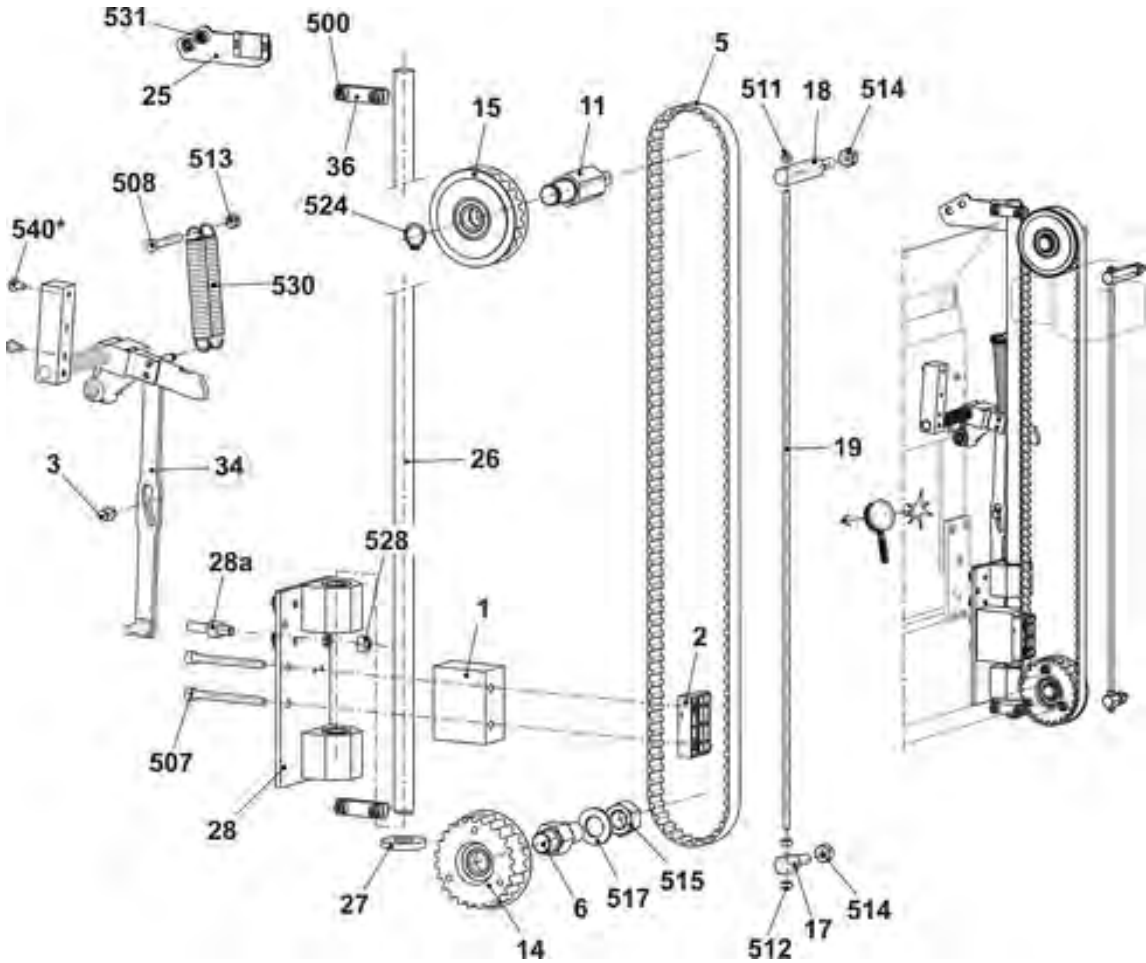
8.1 Comb take-down

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Comb take-down					
1	Comb take-down on the left	256 834		3	Comb take-down in the middle	
2	Comb take-down on the right	256 835			E7 E7m.5 E7m.8 E3,5.2	253 587
3	Comb take-down in the middle				E8 E8m.7	253 588
	E5 E5m.4 E3,5.2	253 586			E5.2	253 589



8.2 Comb take-down on the left

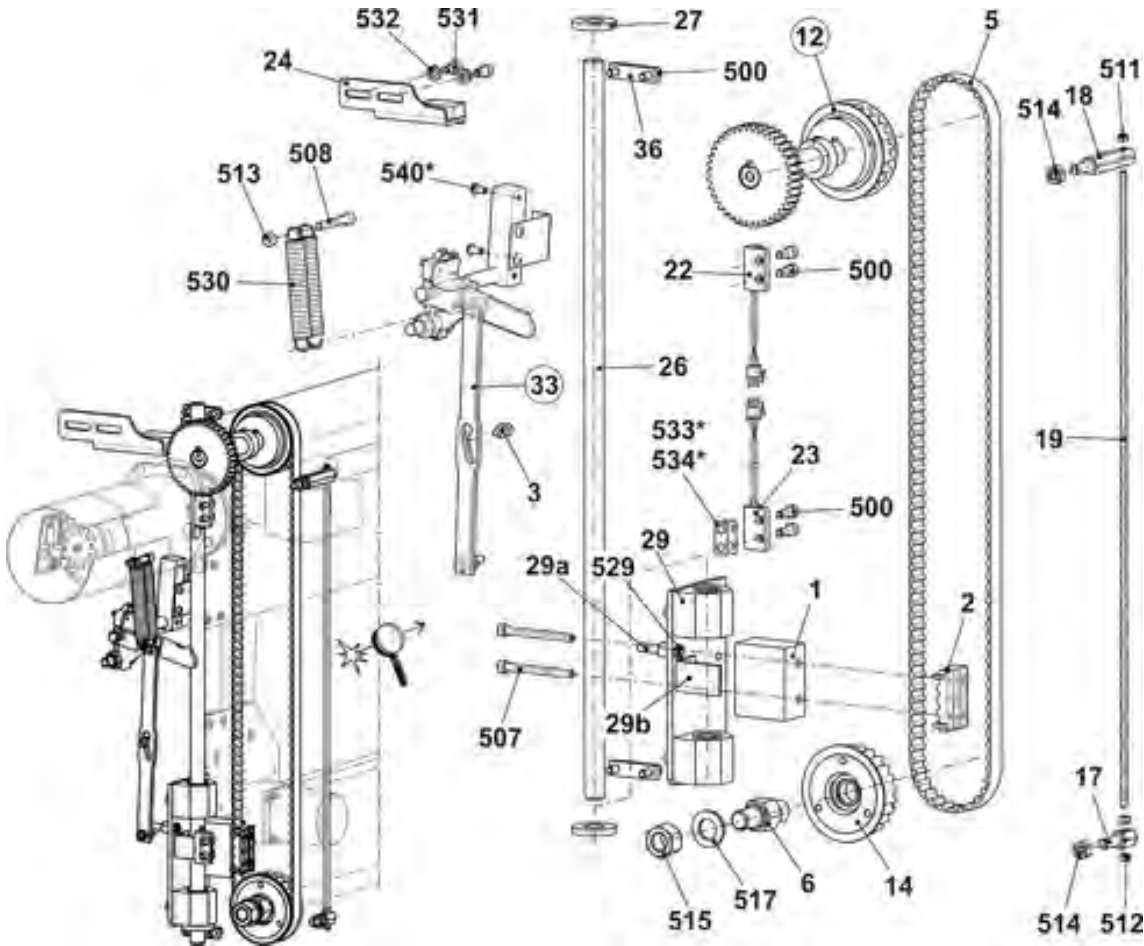
Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the left	256 834			
1	Clamping piece	209 379		528 Hexagon nut M8-6	020 838
2	Pressure plate	241 967	34	Swivel lever on the left	252 859
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
11	Bolts	207 689	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
15	Toothed lock washer at the top complete	211 823	512	Hexagon nut M5-6	020 835
17	Stay bolt	222 315	513	Hexagon nut M6-6	020 836
18	Stay bolt	240 056	514	Hexagon nut M8-6	020 838
19	Threaded rod M5	240 057	515	Hexagon nut M16-6	020 845
25	Reflector complete	256 826	517	Washer16	020 876
26	Guide bar C35	206 560	524	Retaining ring17x1	023 299
27	Rubber buffer	206 561	530	Tension spring Din2097 15x1,50x70,94	251 614
28	Comb guide on the left	255 425	531	Cap screw M6x12	020 134
28a	Driving bolt	255 427	540*	Pan head screw M5x10	023 247



8.3 Comb take-down on the right

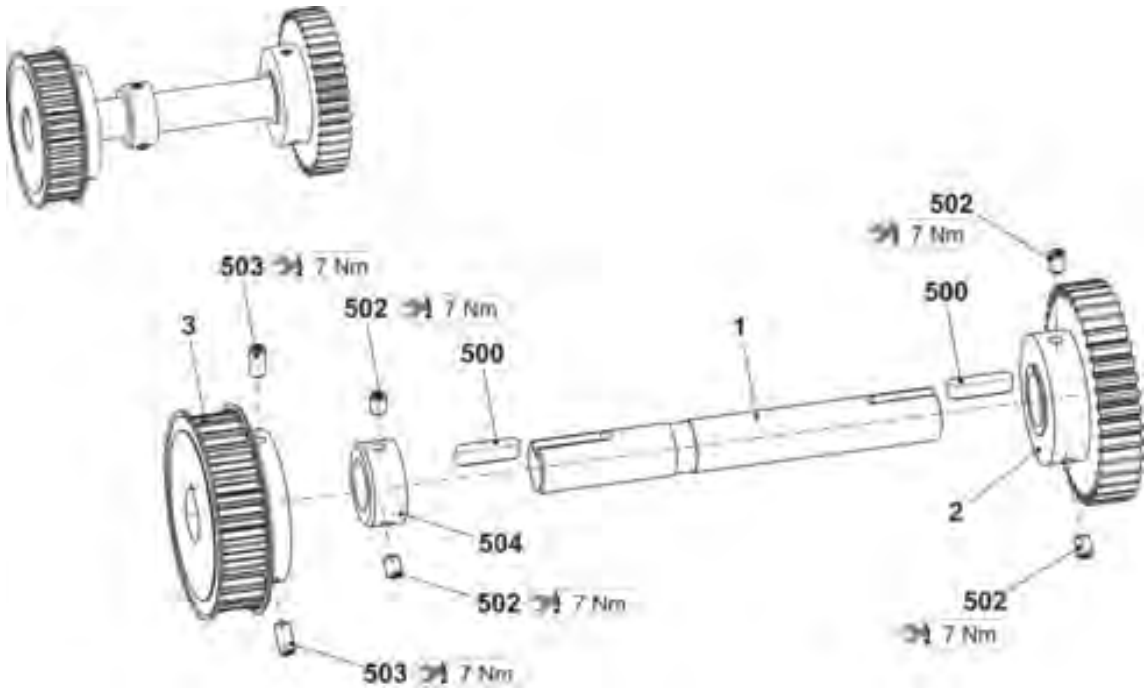
8.3 Comb take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the right	256 835			
1	Clamping piece	209 379	529	Hexagon nut M8-6	020 838
2	Pressure plate	241 967	33	Swivel lever on the right	252 858
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
12	Drive shaft comb complete	214 583	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
17	Stay bolt	222 315	512	Hexagon nut M5-6	020 835
18	Stay bolt	240 056	513	Hexagon nut M6-6	020 836
19	Threaded rod M5	240 057	514	Hexagon nut M8-6	020 838
22	Proximity switch inductive at the top	231 516	515	Hexagon nut M16-6	020 845
23	Proximity switch inductive at the bottom	231 520	517	Washer16	020 876
24	Light barrier complete	256 825	530	Tension spring 15x1,50x70,94	251 614
26	Guide bar C35	206 560	531	Cap screw M6x12	020 134
27	Rubber buffer	206 561	532	Washer6	020 872
29	Comb guide on the right	255 424	533*	Shim0,2x12x27	023 735
29a	Driving bolt	255 427	534*	Shim0,5x12x27	023 736
29b	Angle	240 112	540*	Pan head screw M5x10	023 247



8.3.1 Drive shaft of comb

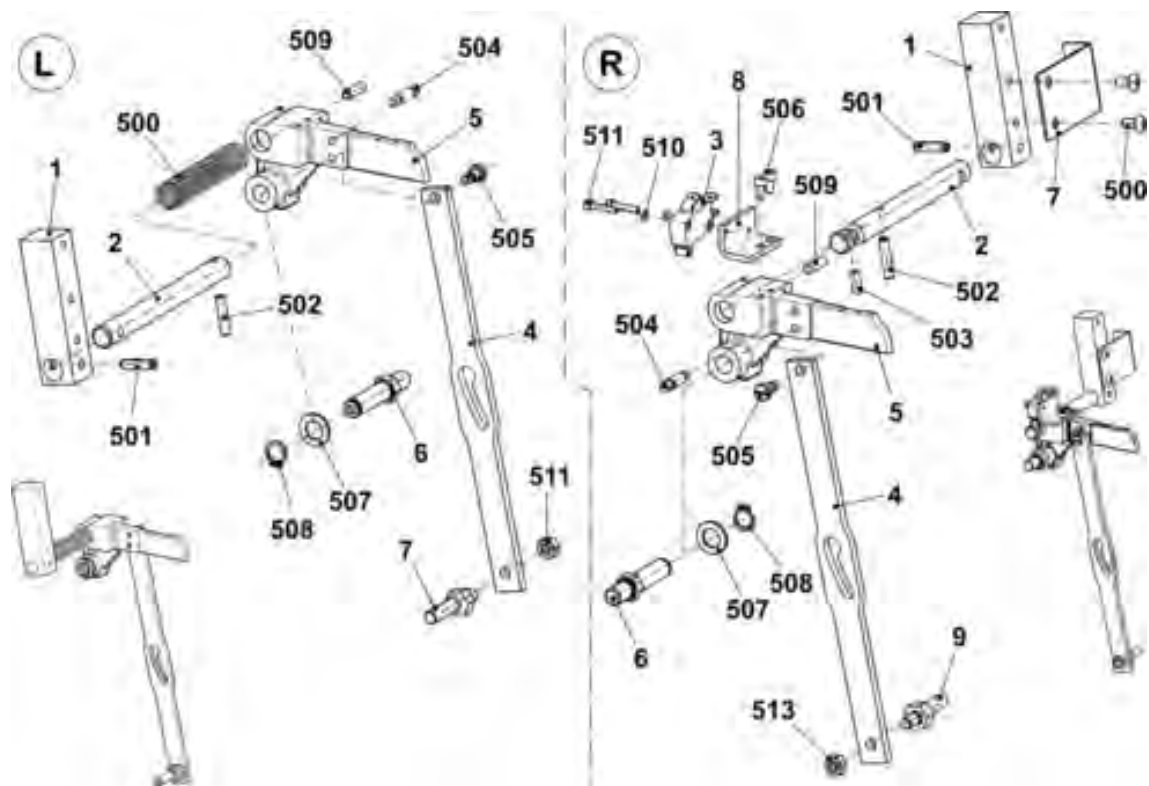
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive shaft comb complete	214 583				
1	Wave	213 969		500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744		502	Setscrew M6x8	022 684
	Always order position 502 additionally			503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394		504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



8.3 Comb take-down on the right

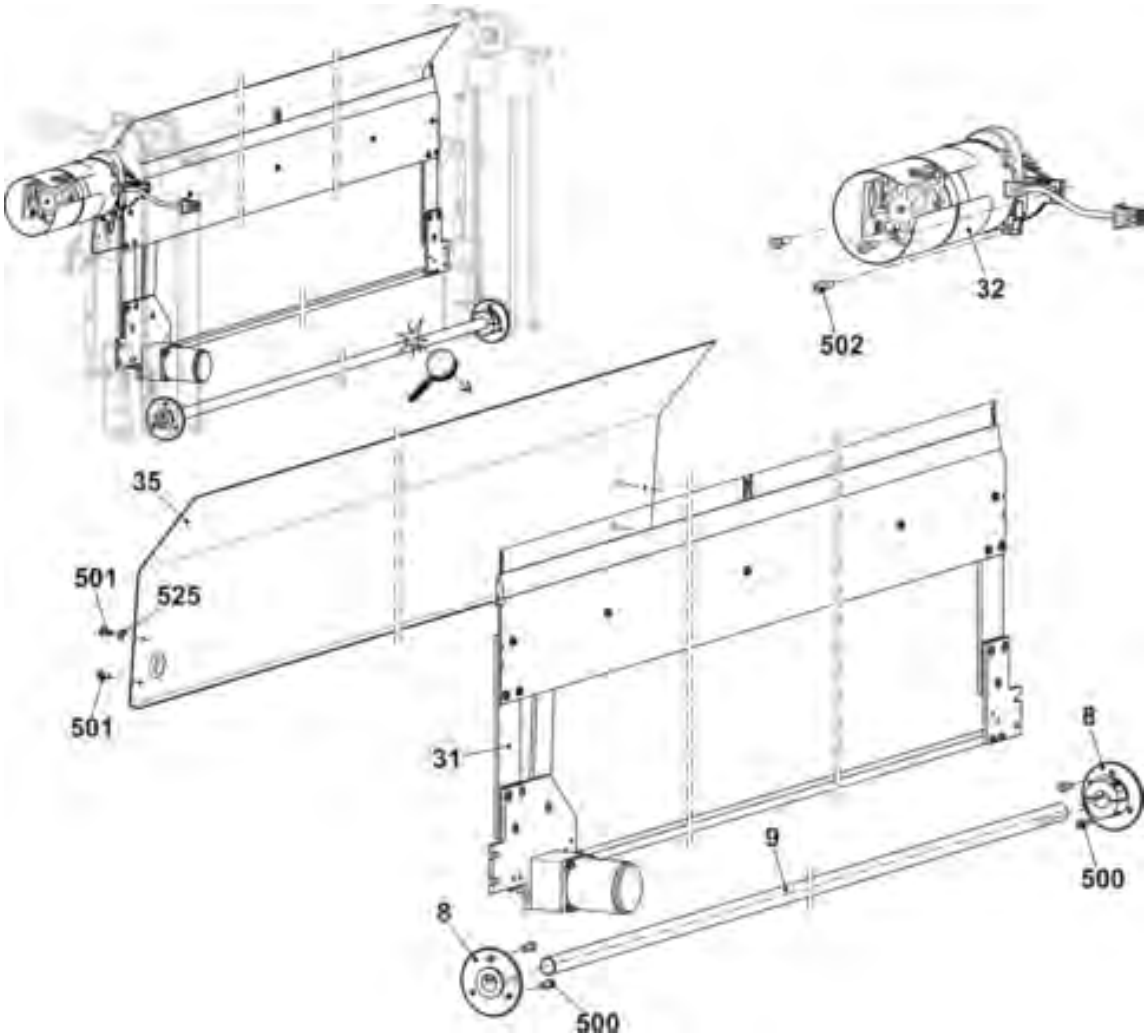
8.3.2 Swivel lever comb take-down

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ L	Swivel lever on the left	252 859		3	Microswitch	026 259
1	Support	252 780		4	Plunger	255 650
2	Wave	223 994		5	Swivel lever	239 248
4	Plunger	255 650		6	Bolts	214 053
5	Swivel lever	239 248		7	Angle	224 009
6	Bolts	214 053		8	Angle	238 304
7	Eccentric bolt	255 651		9	Eccentric bolt	255 651
500	Compression spring 1,4x13,6x93	023 572		500	Pan head screw M5x10	023 247
501	Spring dowel sleeve Iso8752-5x20	020 794		501	Spring dowel sleeve 5x20	020 794
502	Dowel pin5x22	023 716		502	Dowel pin5x22	023 716
504	Shoulder screwM5x29x35	251 618		503	Spring dowel sleeve 5x12	020 793
505	Shoulder screw M5x5,8x6,2	023 365		504	Shoulder screwM5x29x35	251 618
507	Washer10	020 884		505	Shoulder screw M5X5,8X6,2	023 365
508	Retaining ring	020 950		506	Cap screw M4x8	022 501
509	Shoulder screw M5x12x18	020 539		507	Washer10	020 884
511	Hexagon nut M8-6	020 838		508	Retaining ring10x1	020 950
				509	Shoulder screwM5X12X18	020 539
Σ R	Swivel lever on the right	252 858		510	Cap screw M3x16	022 583
1	Support	252 780		511	Washer3	020 877
2	Wave	238 339		513	Hexagon nut M8-6	020 838



8.4 Comb take-down in the middle

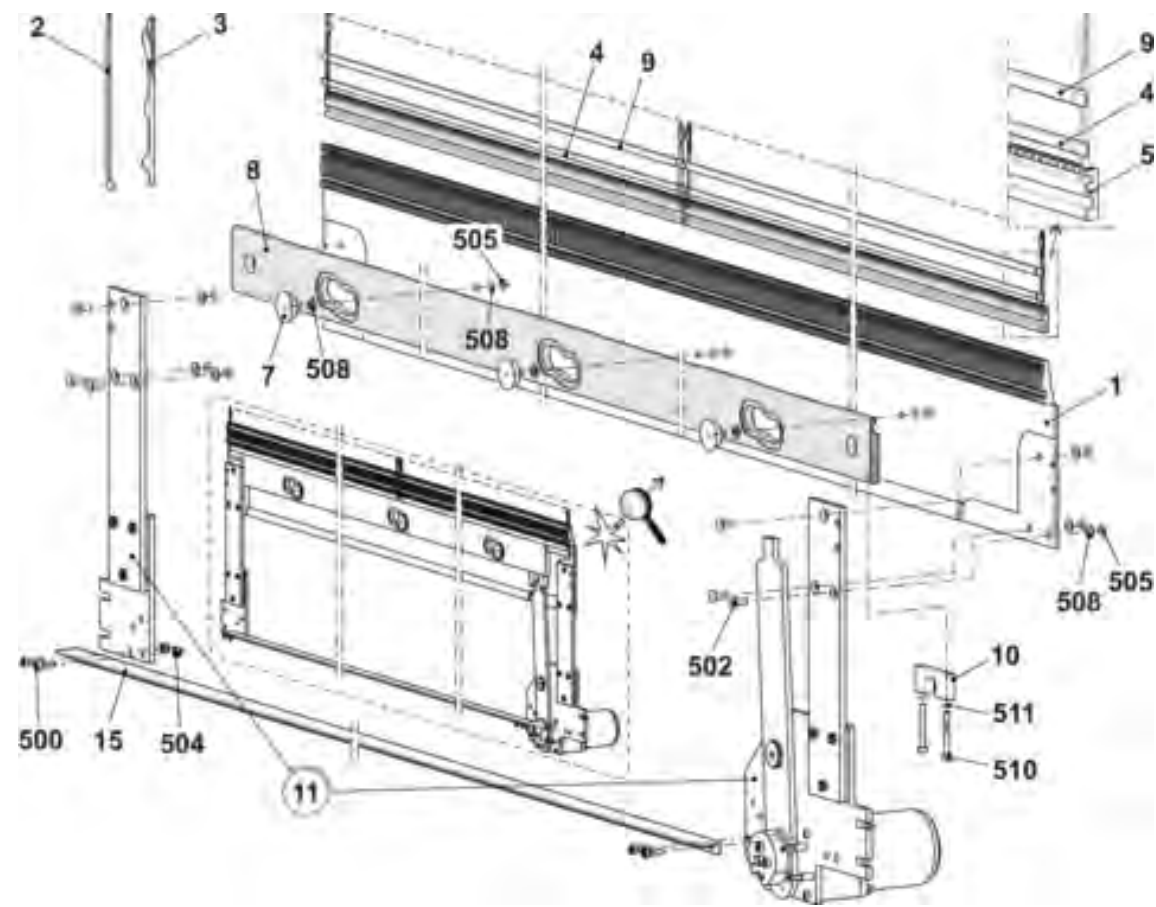
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Comb take-down in the middle			31	Comb unit	
	E5 E5m.4	253 586			E5 E5m.4	241 530
	E7 7m.5 E7m.8 E3,5.2	253 587			E7 7m.5 E7m.8 E3,5.2	241 531
	E8 E8m.7	253 588			E8 E8m.7	241 532
	E5.2	253 589			E5.2	241 533
8	Flange	207 695		32	Motor take-down unit complete	253 803
9	Shaft long	213 968		35	Marking plate open	259 237
500	Cap screw M6x16	020 135		502	Cap screw M8x25	020 142
501	Pan head screw M5x10	023 247		525	Serrated lock washer J5,3	022 489



8.4 Comb take-down in the middle

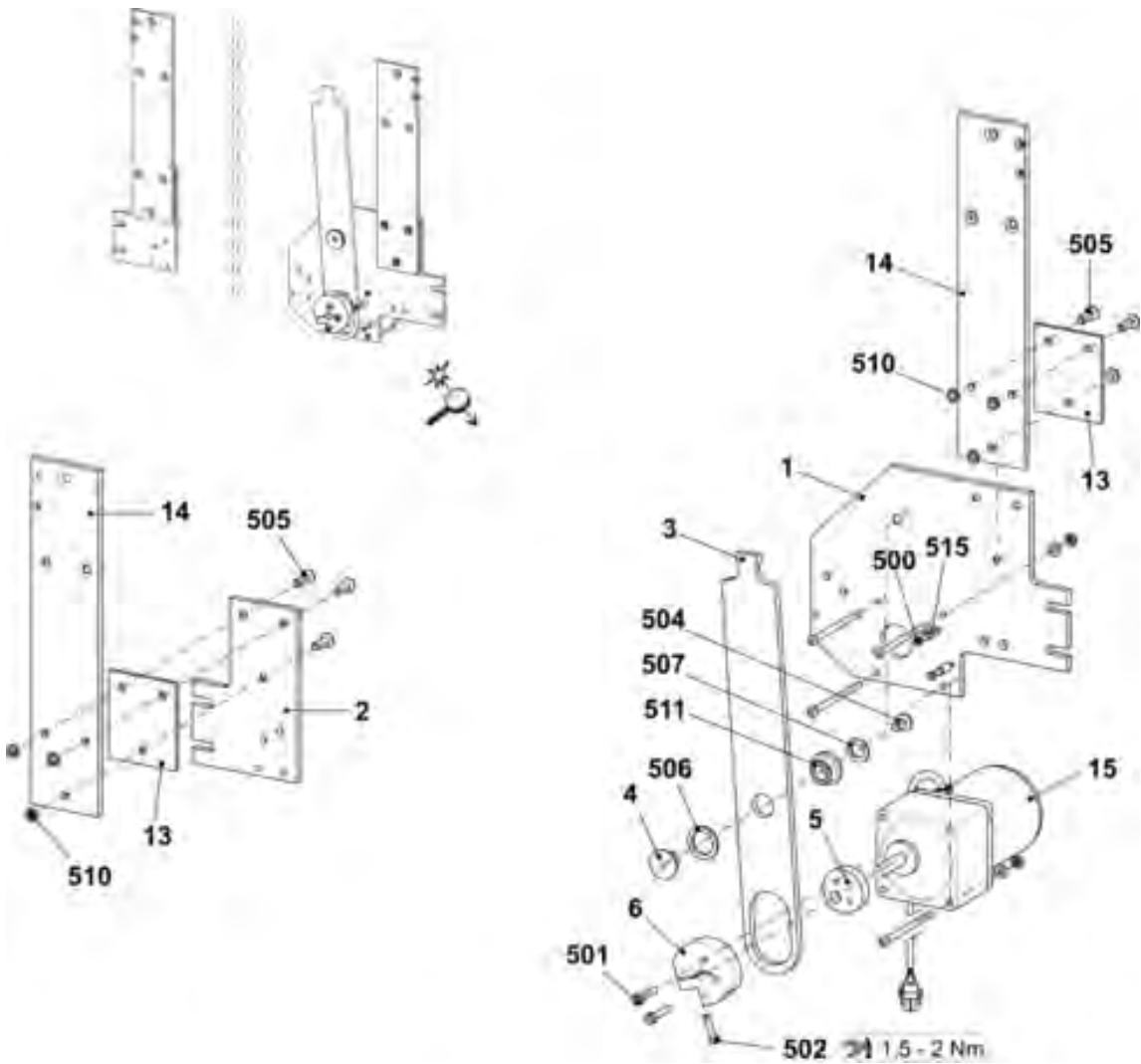
8.4.1 Comb unit

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Comb unit			5	Hook slider	
	E5 E5m.4	241 530			E5 E5m.4	220 995
	E7 7m.5 E7m.8 E3,5.2	241 531			E7 7m.5 E7m.8 E3,5.2	220 993
	E8 E8m.7	241 532			E8 E8m.7	220 994
	E5.2	241 533			E5.2	220 996
1	Hook bed			7	Collar bolt complete	211 036
	E5 E5m.4	221 193		8	Cross slider	213 429
	E7 7m.5 E7m.8 E3,5.2	221 194		9	Cover rail	222 866
	E8 E8m.7	221 195		10	Plunger	205 678
	E5.2	221 196		11	Switching lever complete	240 060
2	Closer			15	Stabilizer	263 892
	E5 E8 E7 E5m.4 7m.5 E7m.8 E8m.7 E3,5.2	230 105		500	Cap screw M4x30	023 290
	E5.2	230 106		502	Countersunk head screw M5x12	023 340
3	Body			504	Hexagon nut M4-8	023 046
	E5 E8 E7 E5m.4 7m.5 E7m.8 E8m.7 E3,5.2	230 093		505	Hexagon nut M5-04	020 854
	E5.2	230 094		508	Washer5	020 871
4	Cover rail	213 428		510	Cap screw M4x35	023 550
				511	Circlip	022 774



8.4.2 Switching lever comb take-down

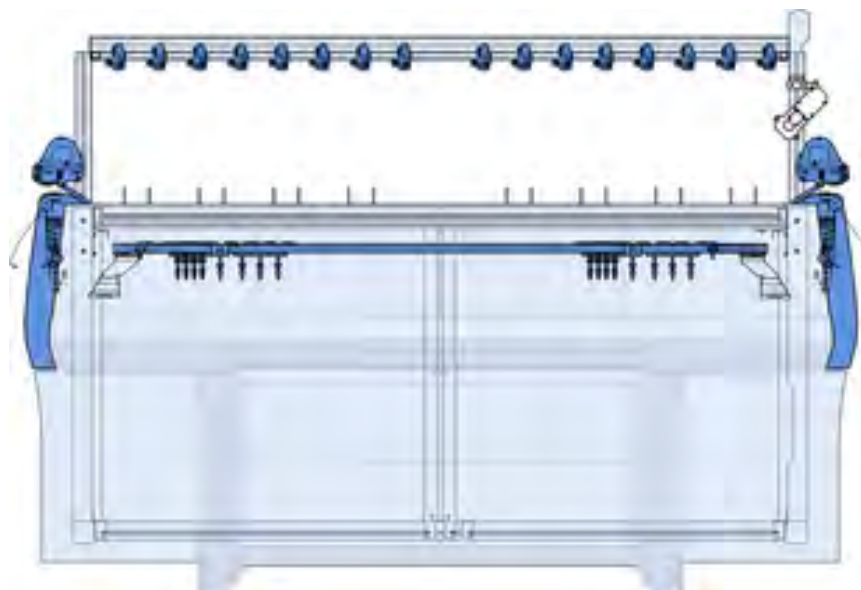
Pos	Designation	Id		Pos	Designation	Id
Σ	Switching lever complete	240 060		500	Cap screw M3x25	023 093
1	Screw-on plate on the right	240 058		501	Cap screw M4x20	023 171
2	Screw-on plate on the left	240 059		502	Cap screw M4x16	023 123
3	Lever	215 228		504	Pan-head screw M6x12	023 435
4	Bearing bolt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



8.4 Comb take-down in the middle

Notes:

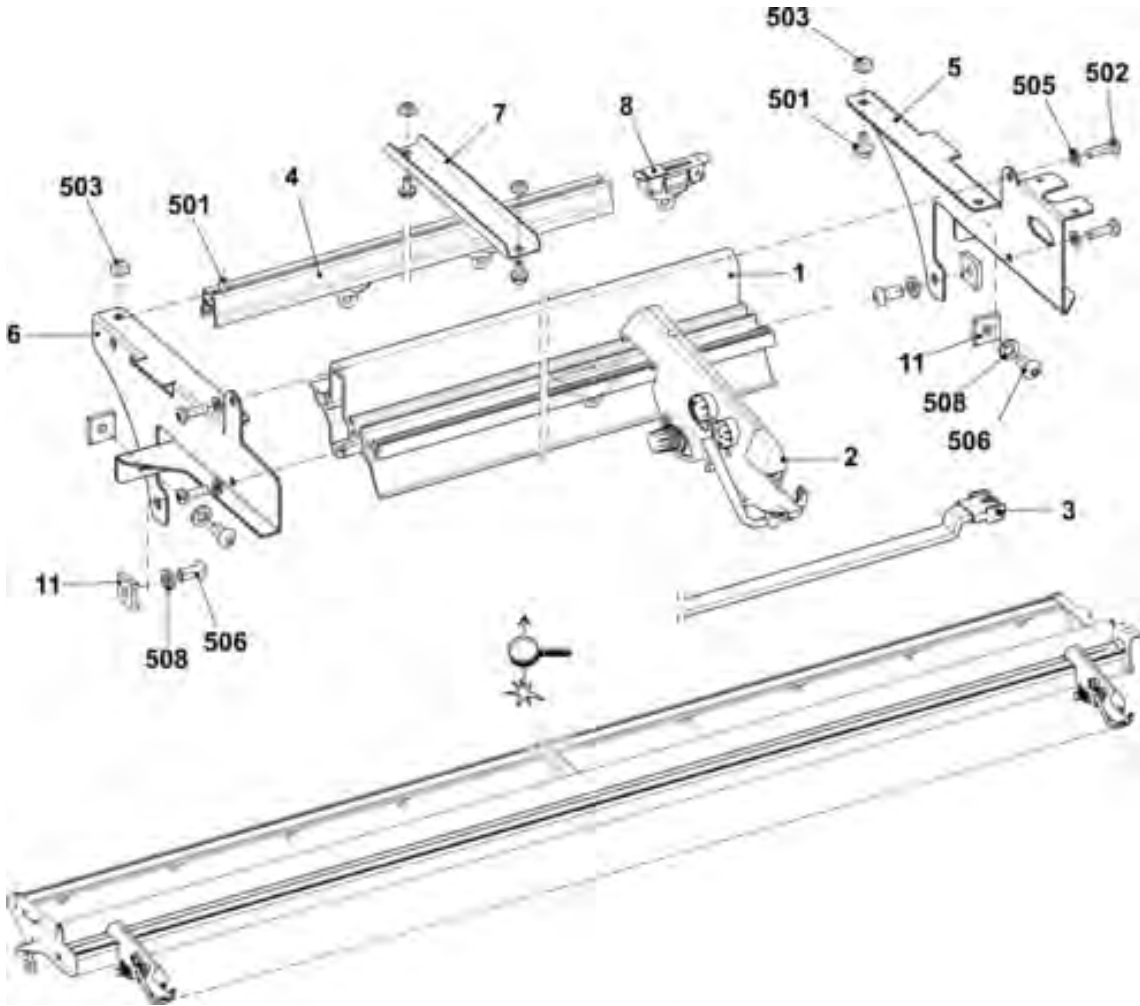
9 Yarn delivery device



9.1 Yarn guide system with 14 and 16 FKE

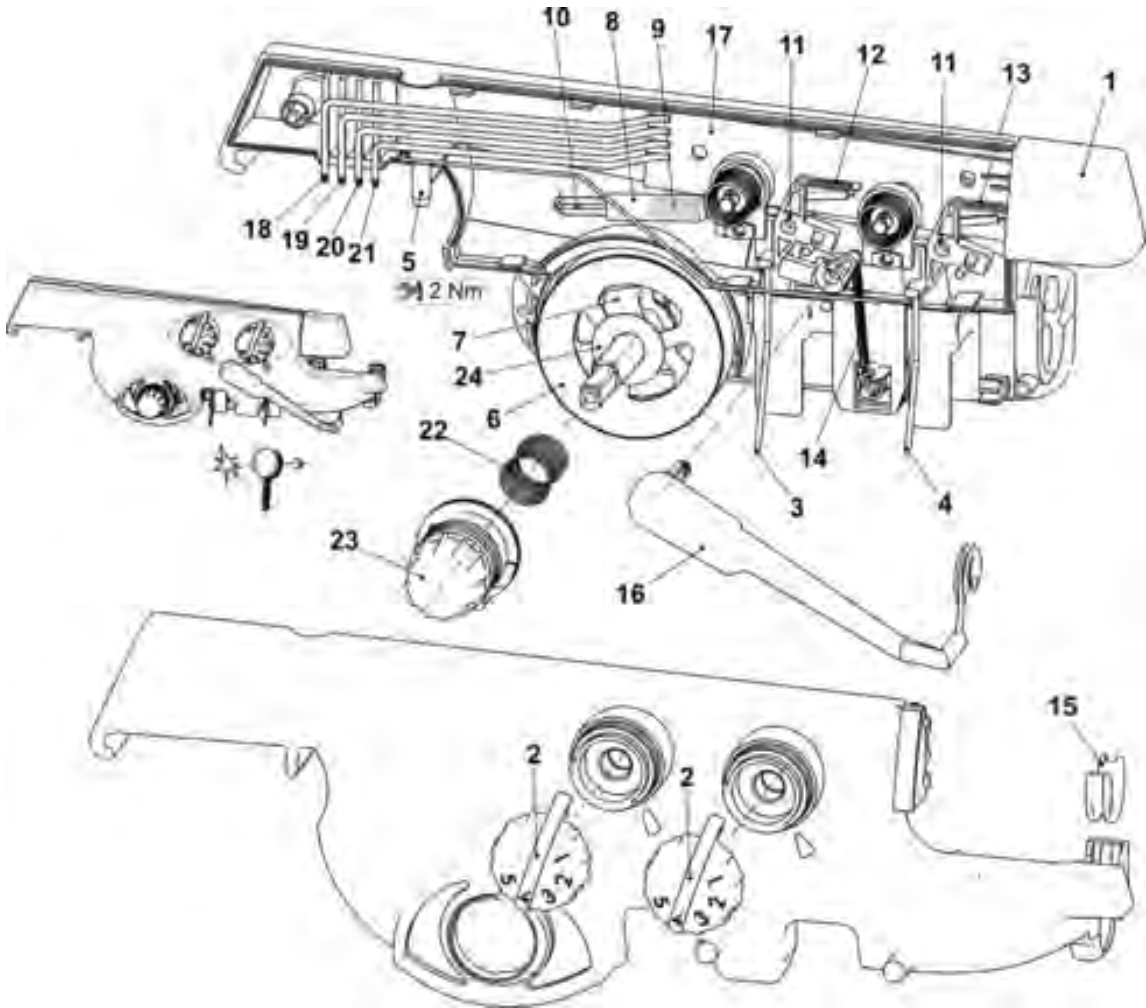
9.1 Yarn guide system with 14 and 16 FKE

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Yarn guide system14 FKE	241 587				
	Yarn guide system16 FKE	241 550		8	Yarn guide bracket complete	241 581
1	Support 50"	243 110		11	Slot nut	228 851
2	Yarn control device(FKE)	237 124		501	Self-locking screw M6x12	023 415
3	Connection cable FKE	254 056		502	Screw M6x20	023 721
4	Yarn guide bar	240 324		503	Serrated nut M6-10	023 414
5	Support on the right	251 629		505	Washer6-200	022 431
6	Support on the left	251 630		506	Pan-head screw M8x16	023 113
7	Support	243 792		508	Serrated lock washer	023 388



9.2 Yarn control device

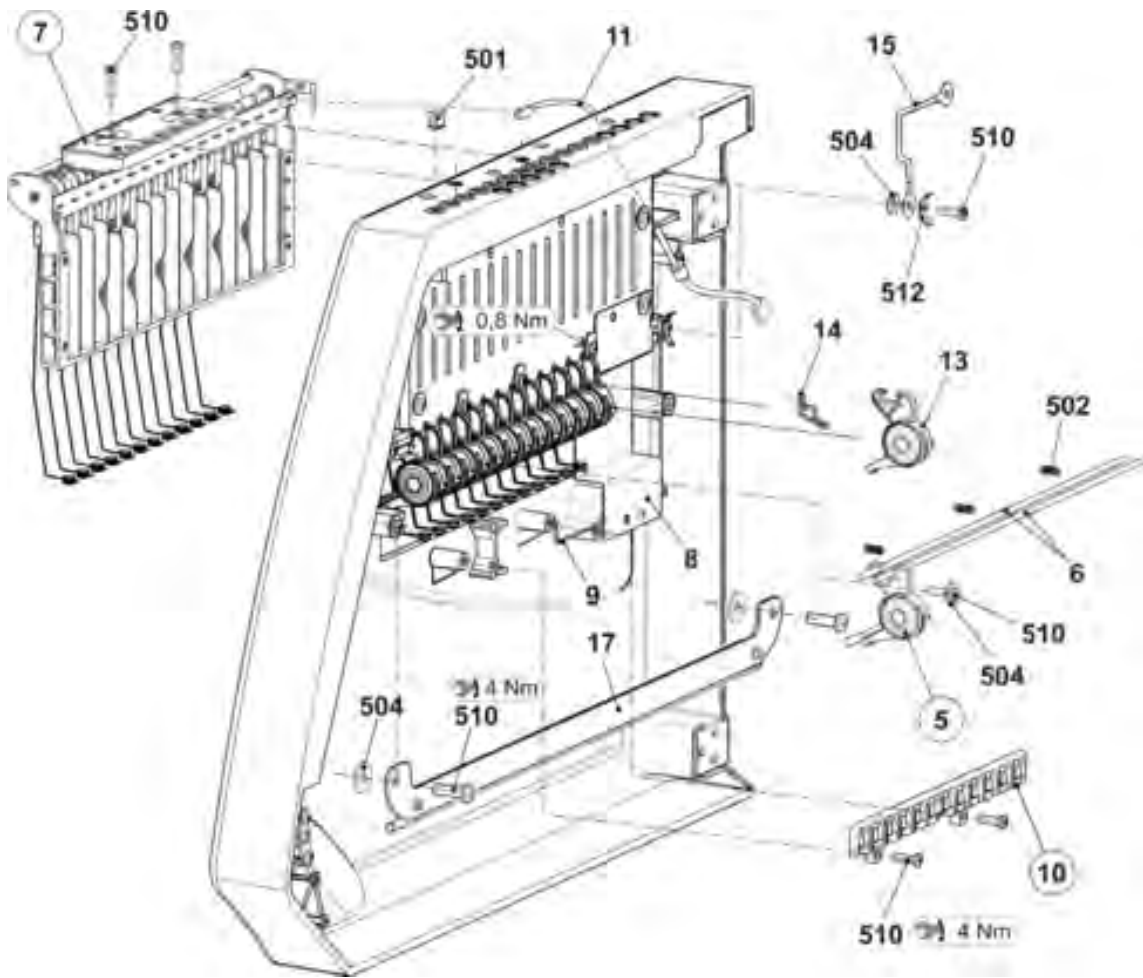
Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn control device	237 124			
1	Lamp cap	251 166	13	Tension spring	253 040
2	Turning knob	251 167	14	Tension spring	253 041
3	Knot detector for large knots	251 168	15	Ceramic eyelet open	240 733
4	Knot detector for mall knots	251 169	16	Stop bow	253 043
5	Screw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



9.3 Left yarn guide

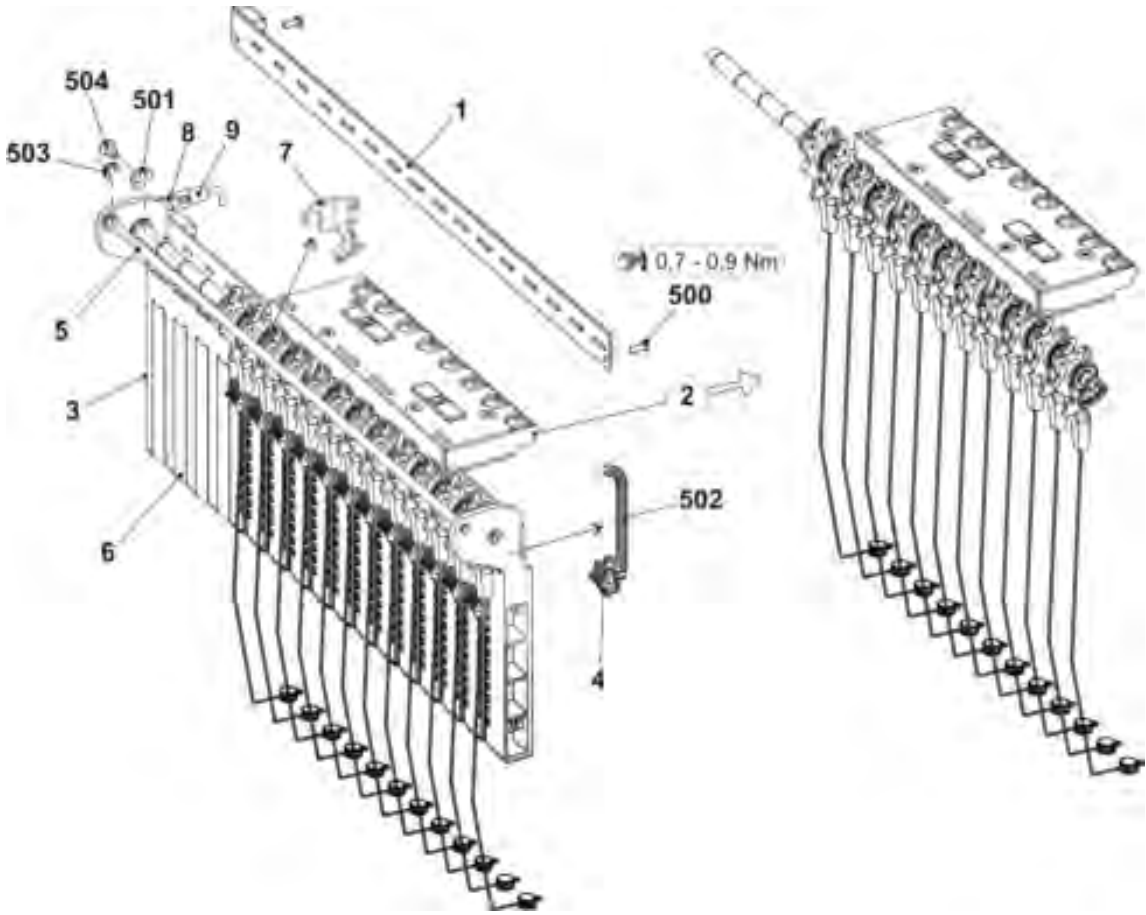
9.3 Left yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete				
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 271	11	Connection cable yarn tensionerokc	240 808
	E7 E8 E7m.8 E8m.7	241 272	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Wave	241 318	15	Ground cable	244 404
7	Yarn tensioner on the left complete		17	Stop bar on the left complete	258 454
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 363	501	Ceramic eyelet	240 640
	E7 E8 E7m.8 E8m.7	241 364	502	Compression spring 0,90x5,40x13,60	241 360
8	Cover	240 783	504	Washer6	022 537
9	Wire bow on the left	241 370	510	Screw KB 60x20	237 682
10	Yarn deflector	242 011	512	Flat connector 2x45° M6	243 117



9.3.1 Left yarn tensioner

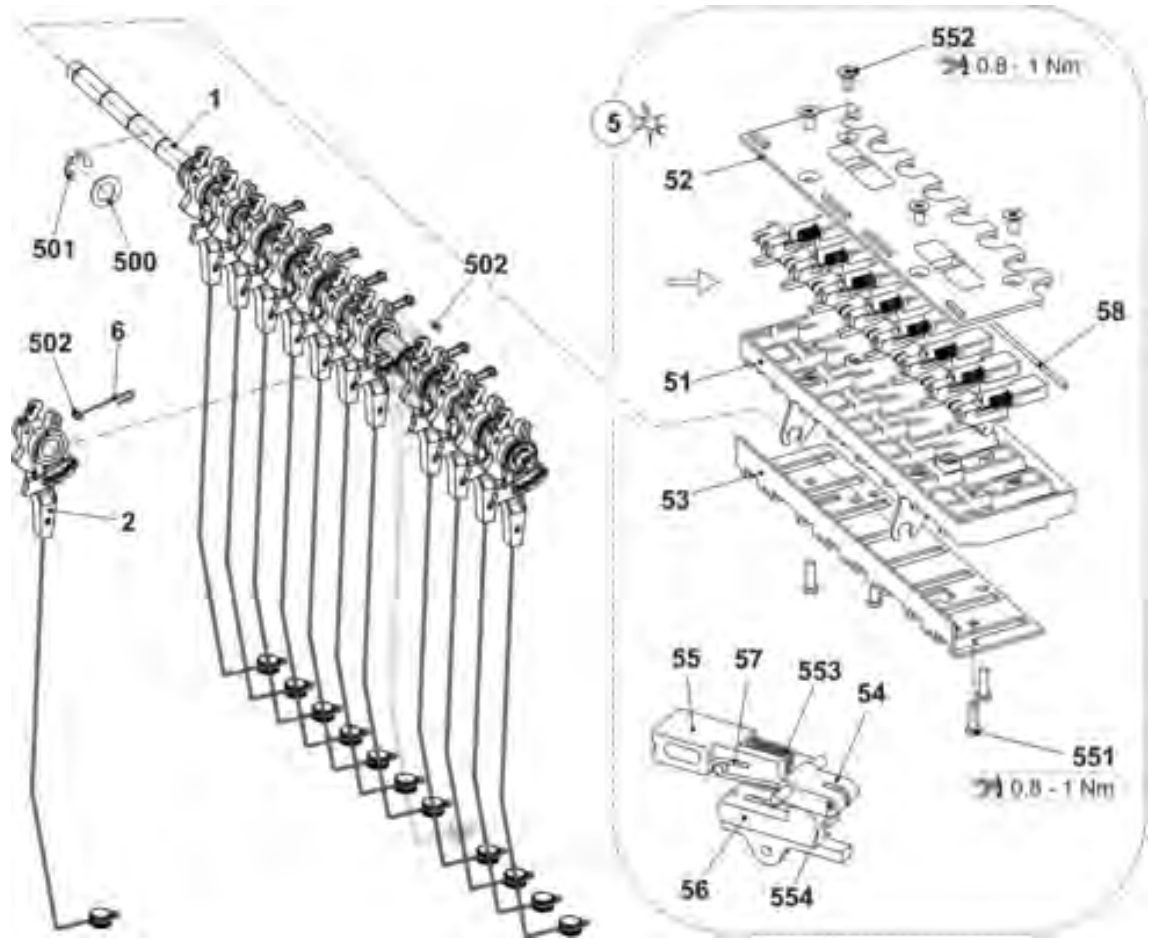
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the left complete			7	Spacer	242 048
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 363		8	Grounding plate of tension axle	243 121
	E7 E8 E7m.8 E8m.7	241 364		9	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the left	241 345		500	Screw KB 30x8	236 228
2	Tension axle on the left complete	241 366		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5,05x0,55x53 E5 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



9.3 Left yarn guide

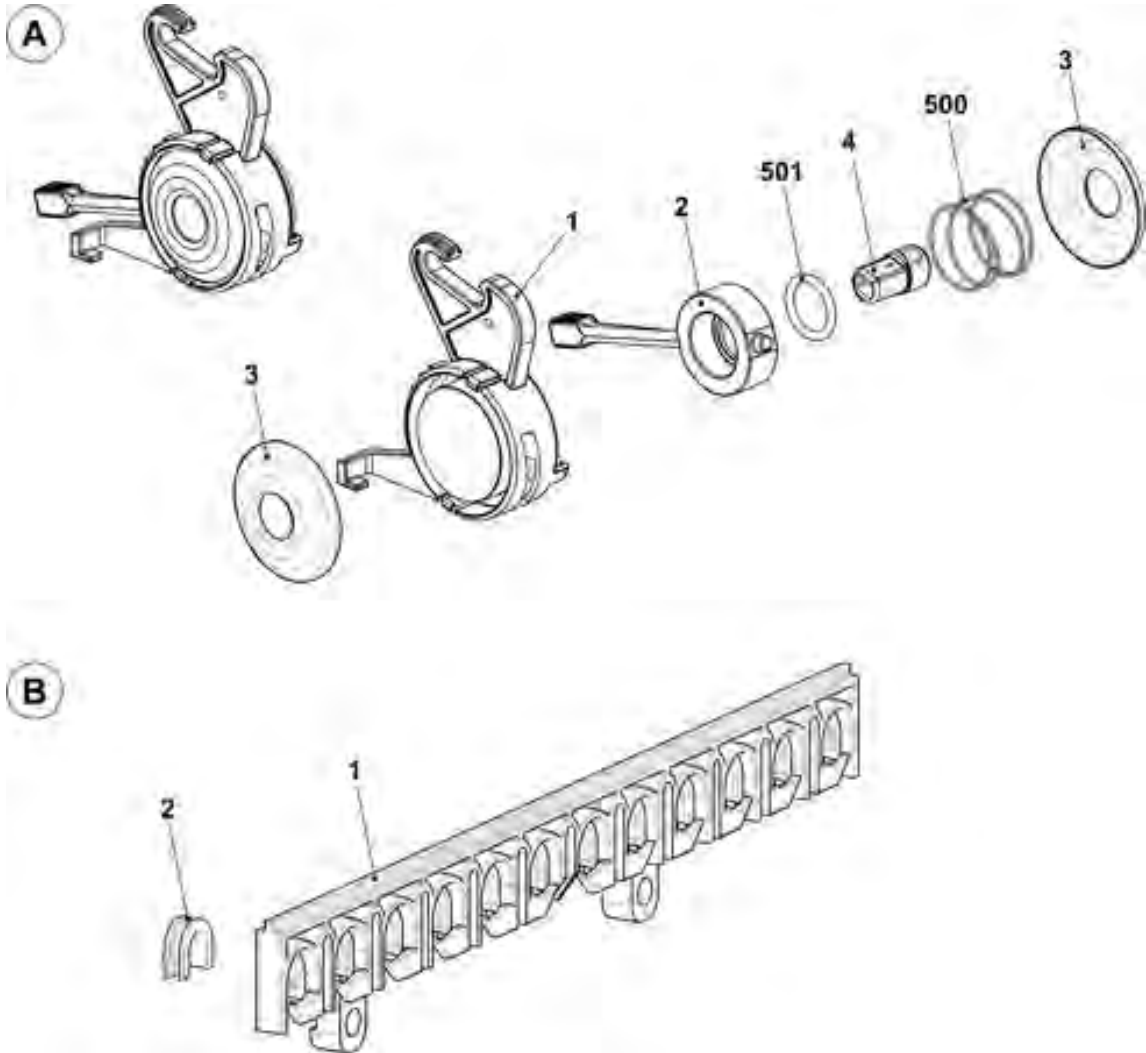
9.3.2 Left tension axle

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



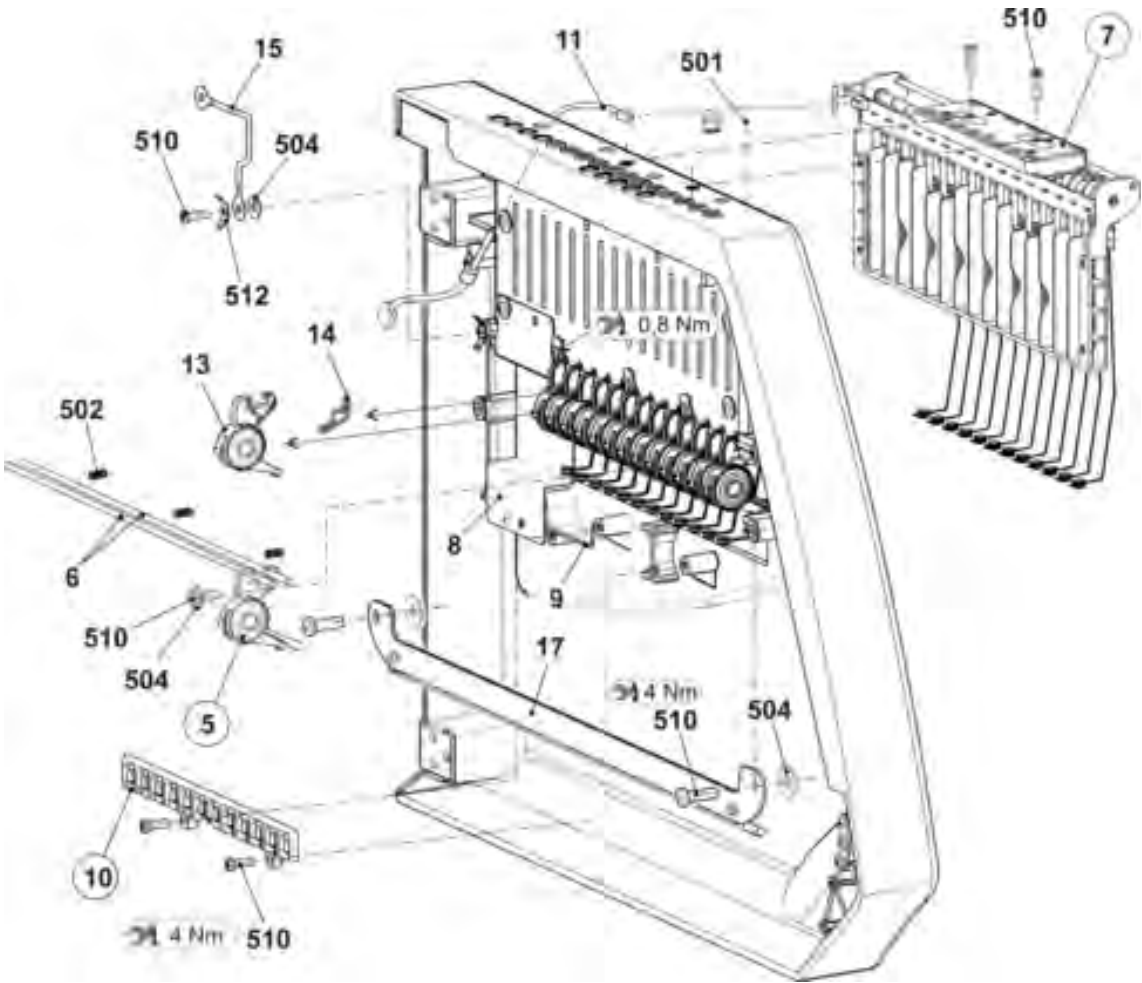
9.3.3 Yarn brake and yarn deflector

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



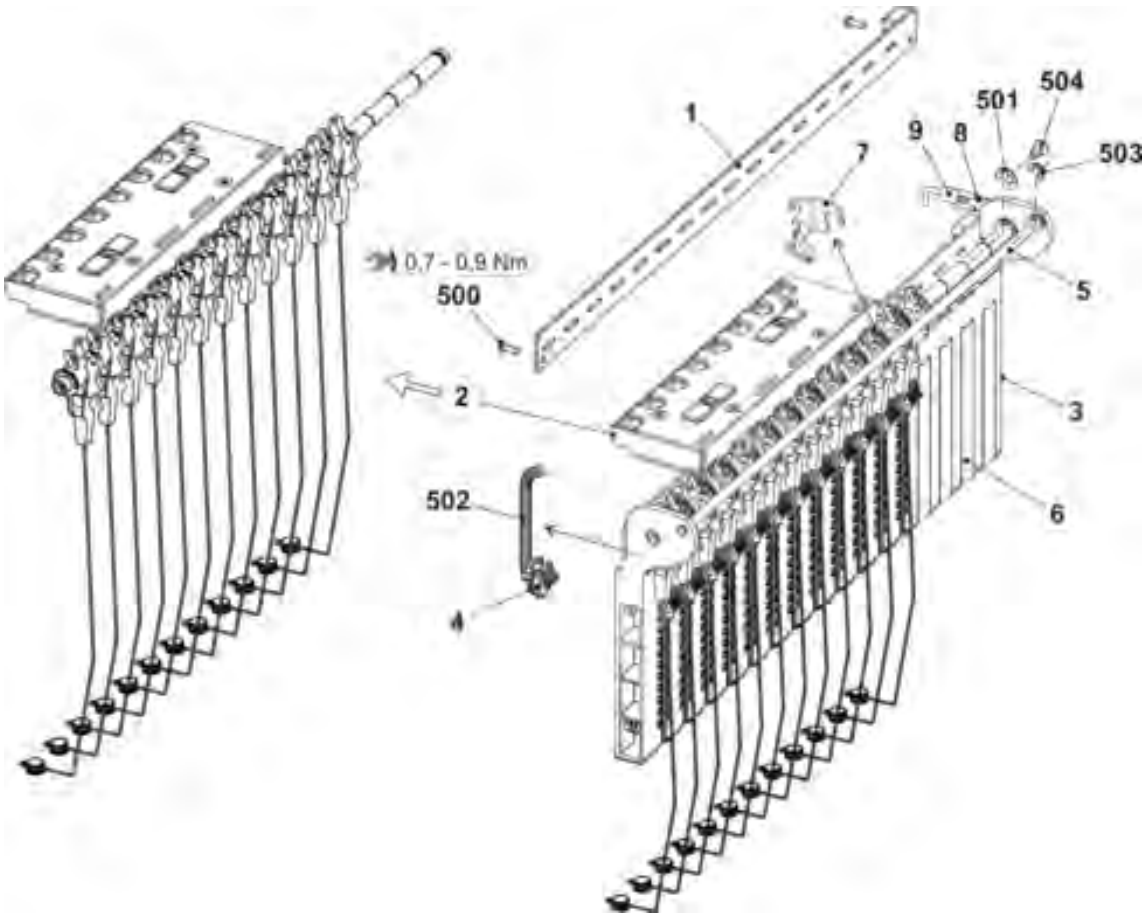
9.4 Right yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete				
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 274	11	Connection cable yarn tensionerokc	240 808
	E7 E8 E7m.8 E8m.7	241 275	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Wave	241 318	15	Ground cable	244 404
7	Yarn tensioner on the right complete		17	Stop bar on the right complete	258 562
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 382	501	Ceramic eyelet	240 640
	E7 E8 E7m.8 E8m.7	241 383	502	Compression spring 0,90x5,40x13,60	241 360
8	Cover	240 783	504	Washer6	022 537
9	Wire bow on the right	241 369	510	Screw KB 60x20	237 682
10	Yarn deflector	242 011	512	Flat connector 2x45° M6	243 117



9.4.1 Right yarn tensioner

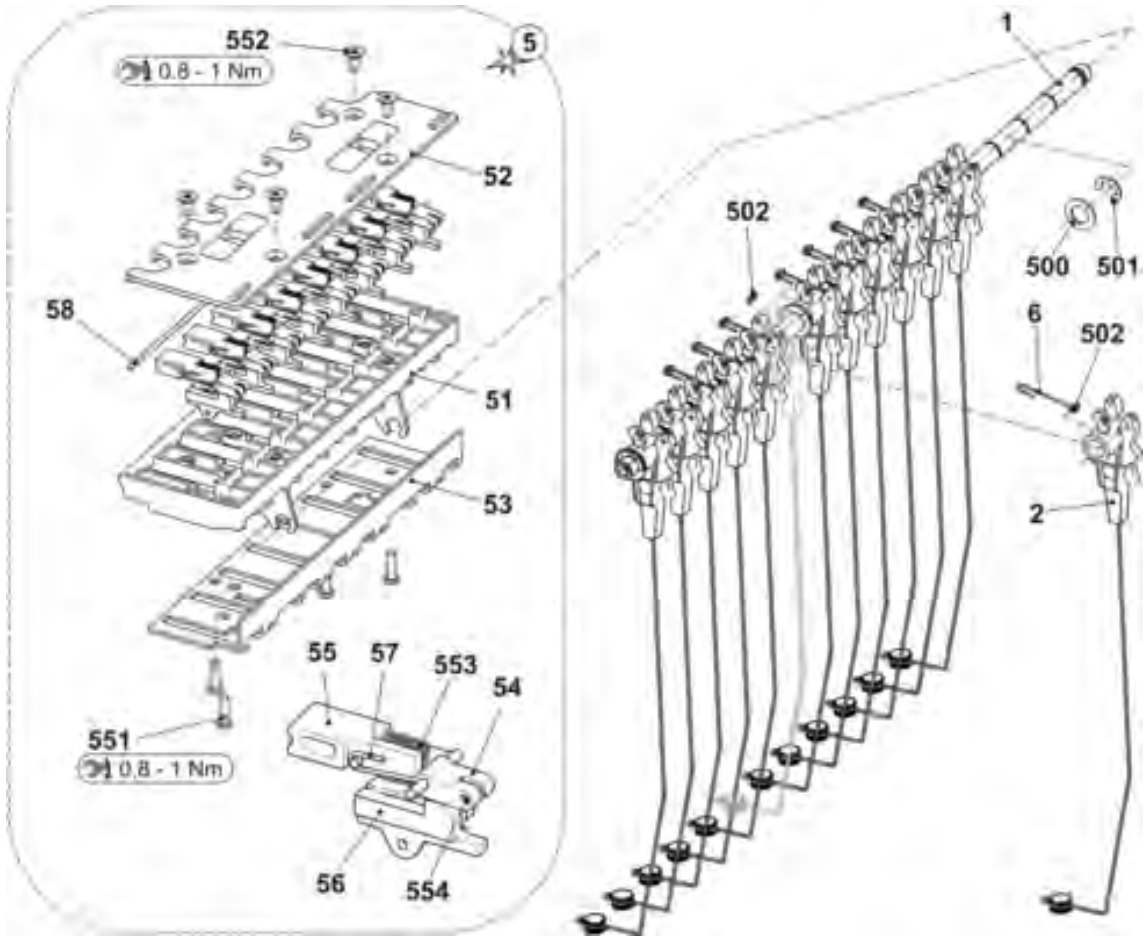
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the right complete			7	Spacer	242 048
	E5 E3,5.2 E5.2 E5m.4 E7m.5	241 382		8	Grounding plate of tension axle	243 121
	E7 E8 E7m.8 E8m.7	241 383		9	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the right	241 346		500	Screw KB 30x8	236 228
2	Tension axle on the right complete	241 379		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5,05x0,55x53 E5 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 Right yarn guide

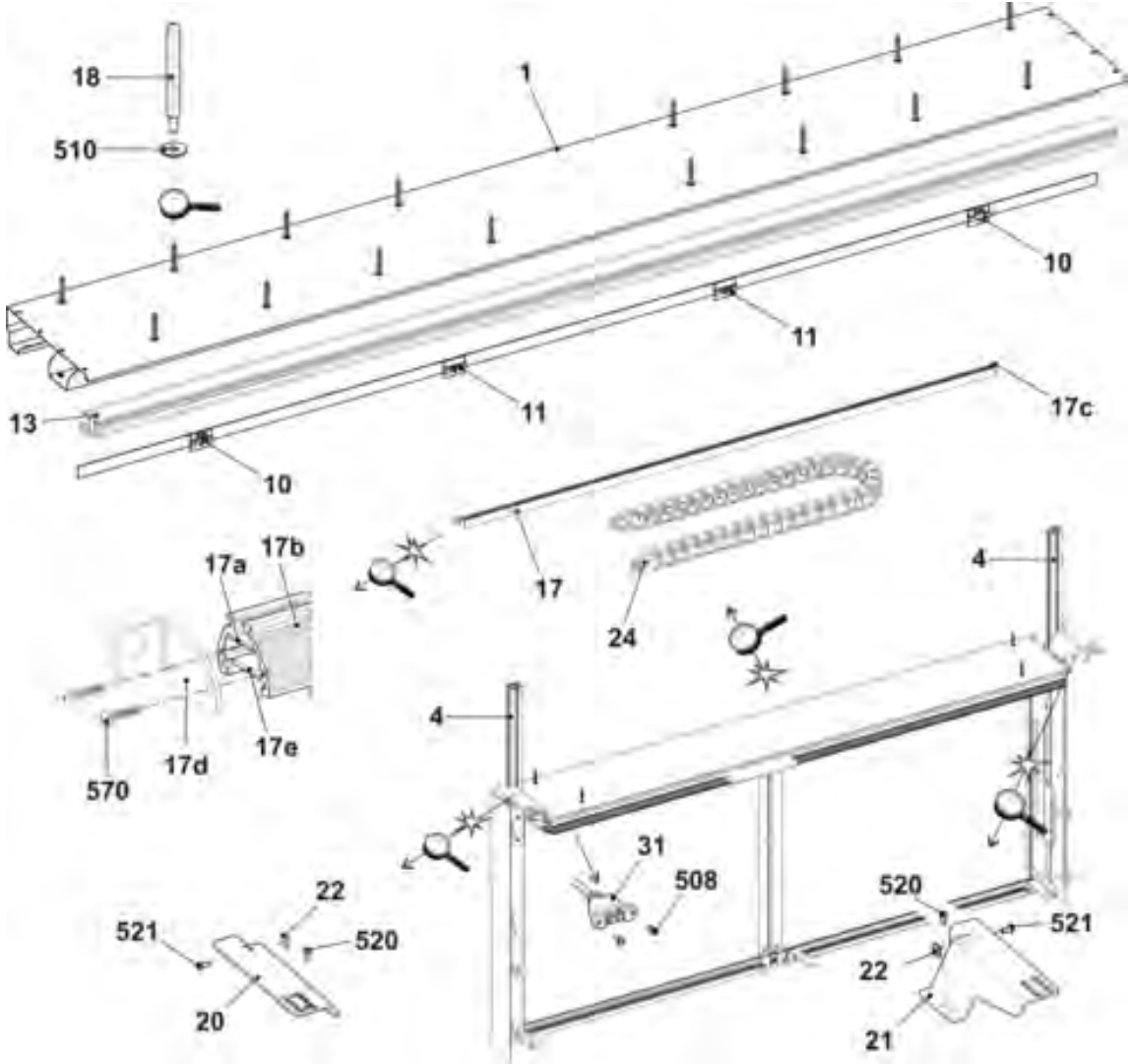
9.4.2 Right tension axle

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



9.5 Bobbin board

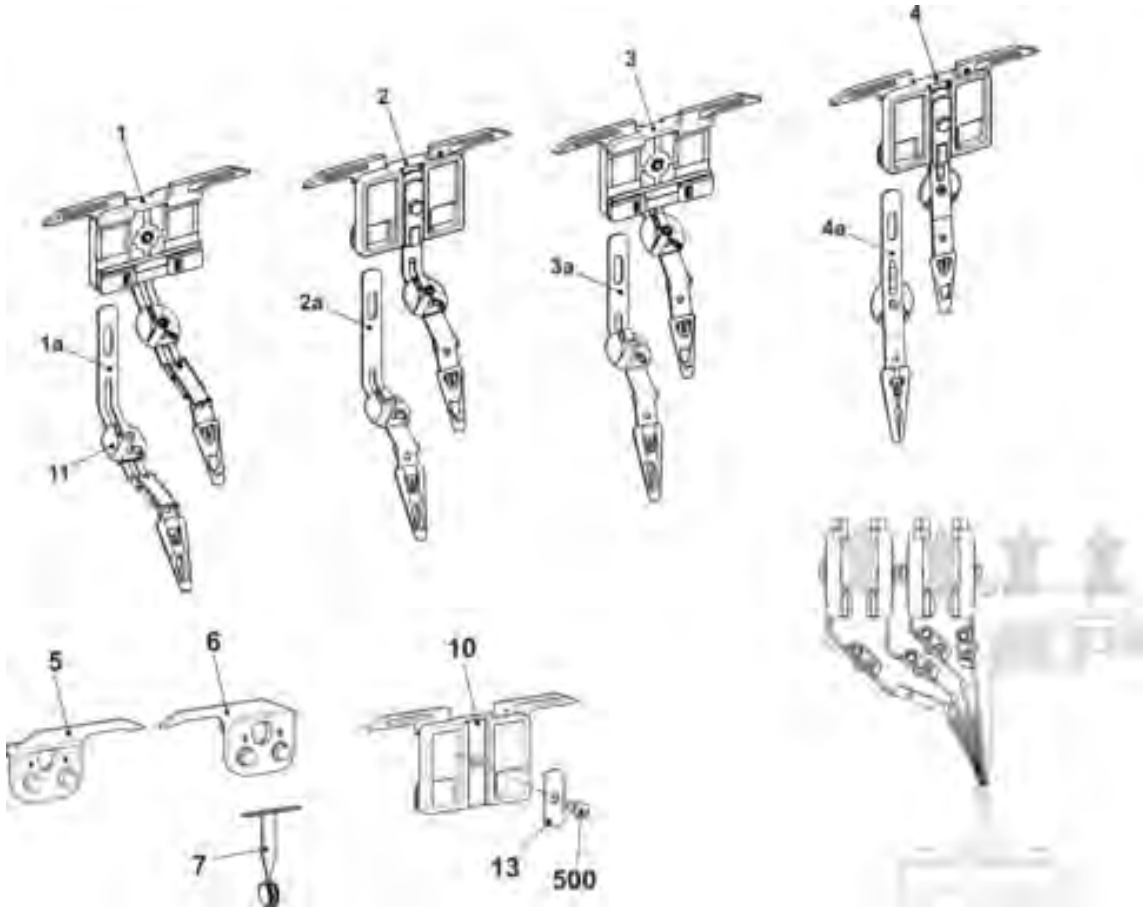
Pos	Designation		ID	Pos	Designation		ID
Σ	Table complete50"		240 241				
1	Table		251 244		570	Sheet metal screw ST2,2x9,5-F	263 824
4	Support element		228 594	18	Positioning pin		204 819
10	Magnet switch safety door		219 983	20	Support of left feed wheel		250 966
11	Magnet switch safety door		220 159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



9.6 Yarn guide complete

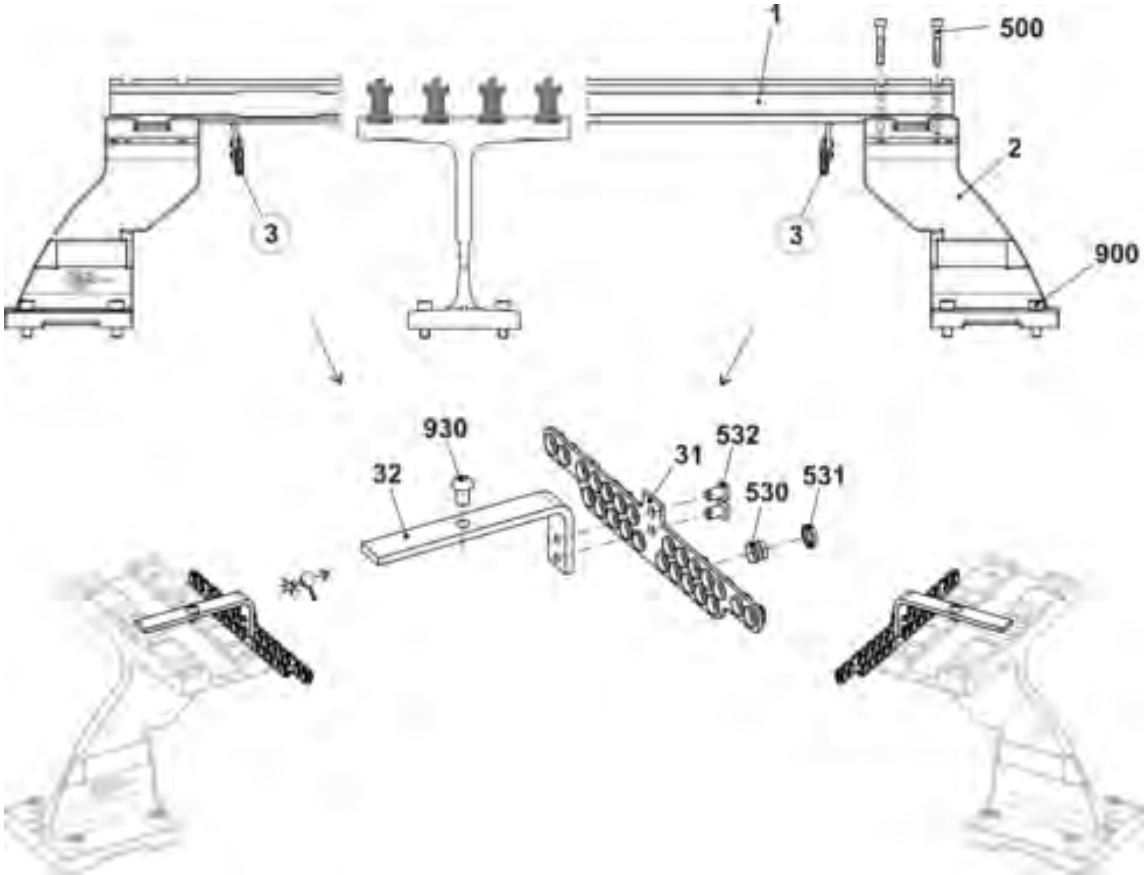
9.6 Yarn guide complete

Pos	Designation	Track	ID		Pos	Designation	ID
Σ	Yarn guide complete						
	E5 E5m.4 E7m.5 E3,5.2 E5.2		243 577				
	E7 E8 E7m.8 E8m.7		243 578				
E5 E5m.4 E7m.5 E3,5.2 E5.2					E5 E5m.4 E7m.5 E3,5.2 E5.2		
1	FF carriage complete E5	1+8	243 935		1a	FF bow 1+8 complete E5	212 990
2	FF carriage complete E5	2+7	243 934		2a	FF bow 2+7 complete E5	212 992
3	FF carriage complete E5	3+6	243 933	3a	FF bow 3+6 complete E5	212 991	
4	FF carriage complete E5	4+5	243 932	4a	FF bow 4+5 complete E5	212 993	
E7 E8 E7m.8 E8m.7					E7 E8 E7m.8 E8m.7		
1	FF carriage complete E7-8	1+8	243 939		1a	FF bow 1+8 complete E7-8	212 892
2	FF carriage complete E7-8	2+7	243 938		2a	FF bow 2+7 complete E7-8	212 914
3	FF carriage complete E7-8	3+6	243 937	3a	FF bow 3+6 complete E7-8	212 925	
4	FF carriage complete E7-8	4+5	243 936	4a	FF bow 4+5 complete E7-8	212 910	
5	Limiter on the left complete		244 099	11	Yarn guide star complete	209 257	
6	Limiter on the right complete		244 098	13	Shim	213 035	
7	Slider with eyelet		230 709	500	Hexagon screw M5x10	020 351	
10	FF carriage complete		243 062				



9.7 Bar unit

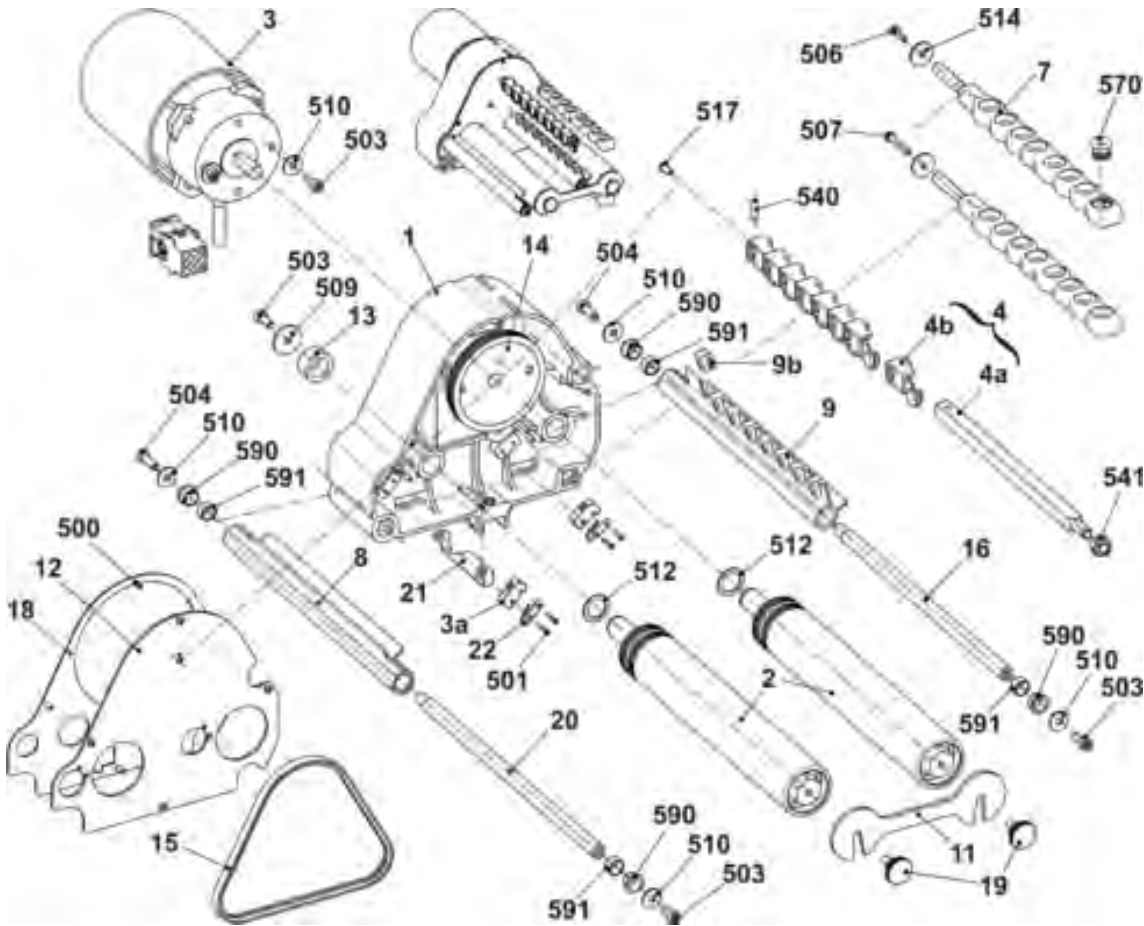
Pos	Designation		Id		Pos	Designation		Id
Σ	Bar unit		250 971			530	Eyelet 4,2	021 502
1	Yarn carrier rail		255 464			531	Clamping ring	259 606
2	FF support		252 010			532	Pan head screw M5x8	239 408
3	Yarn guide bracket complete		259 403			930	Pan head screw M6x10	023 183
	31	Eyelet holder complete	259 402		500	Cap screw M6x35		020 139
	32	Holding angle	259 574		900	Cap screw M8x25		020 142



9.8 Left friction feed wheel

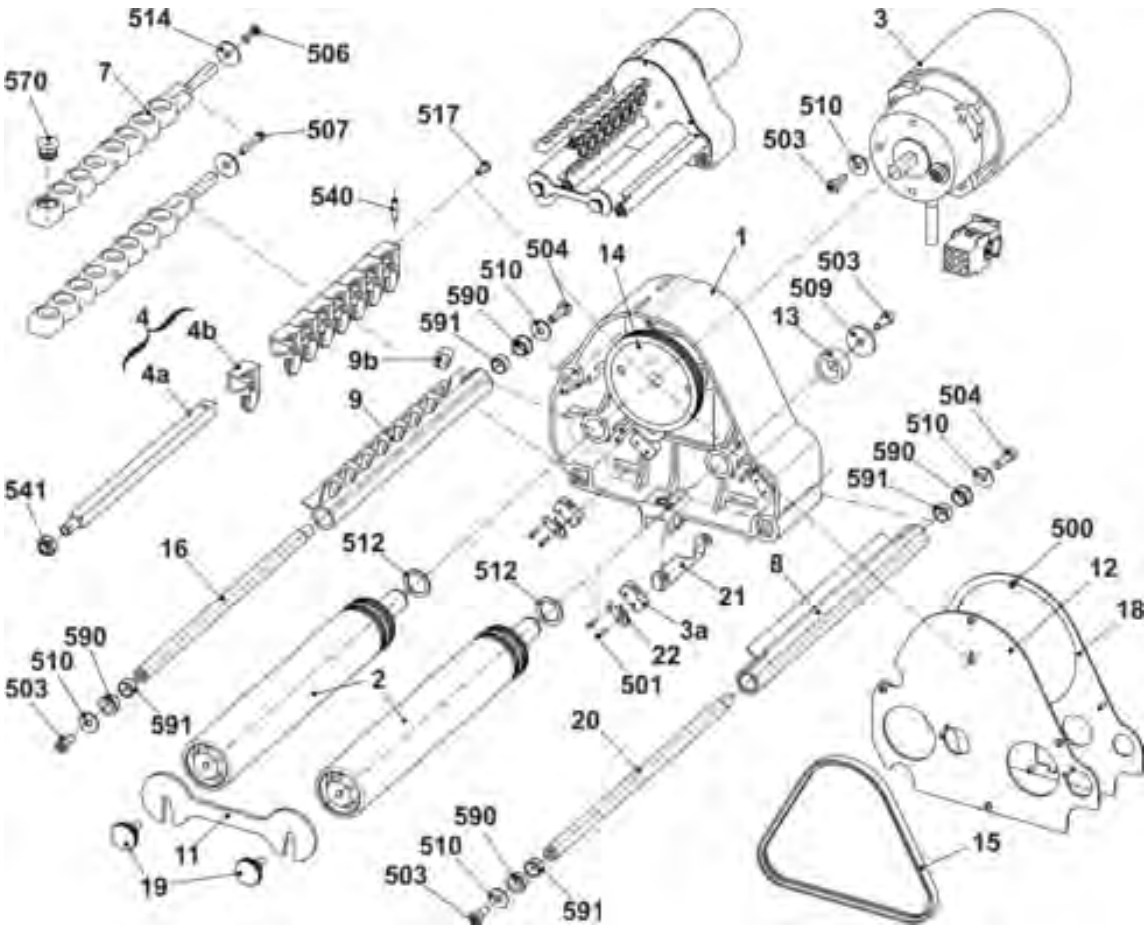
9.8 Left friction feed wheel

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



9.9 Right friction feed wheel

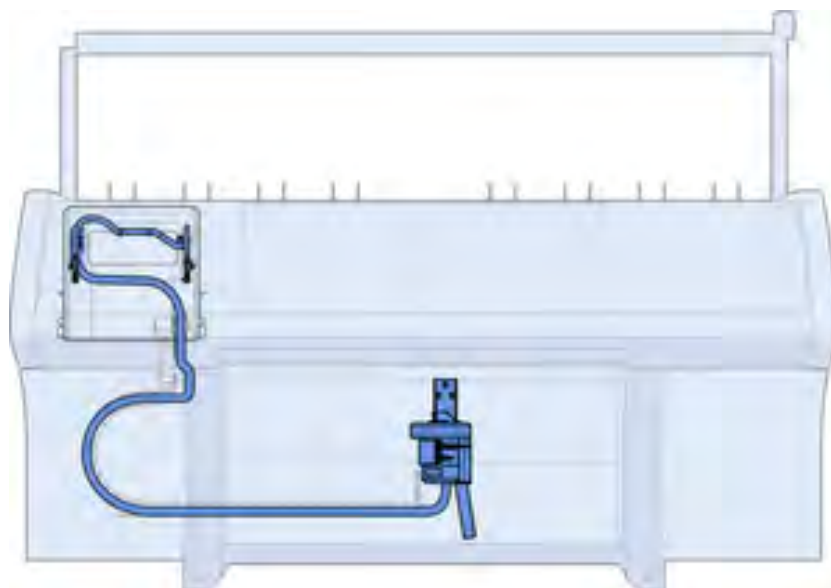
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the right complete		243 572	14	V-ribbed belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase AC motor complete		219 800	18	Cover		230 758
	3a	Microswitch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



9.9 Right friction feed wheel

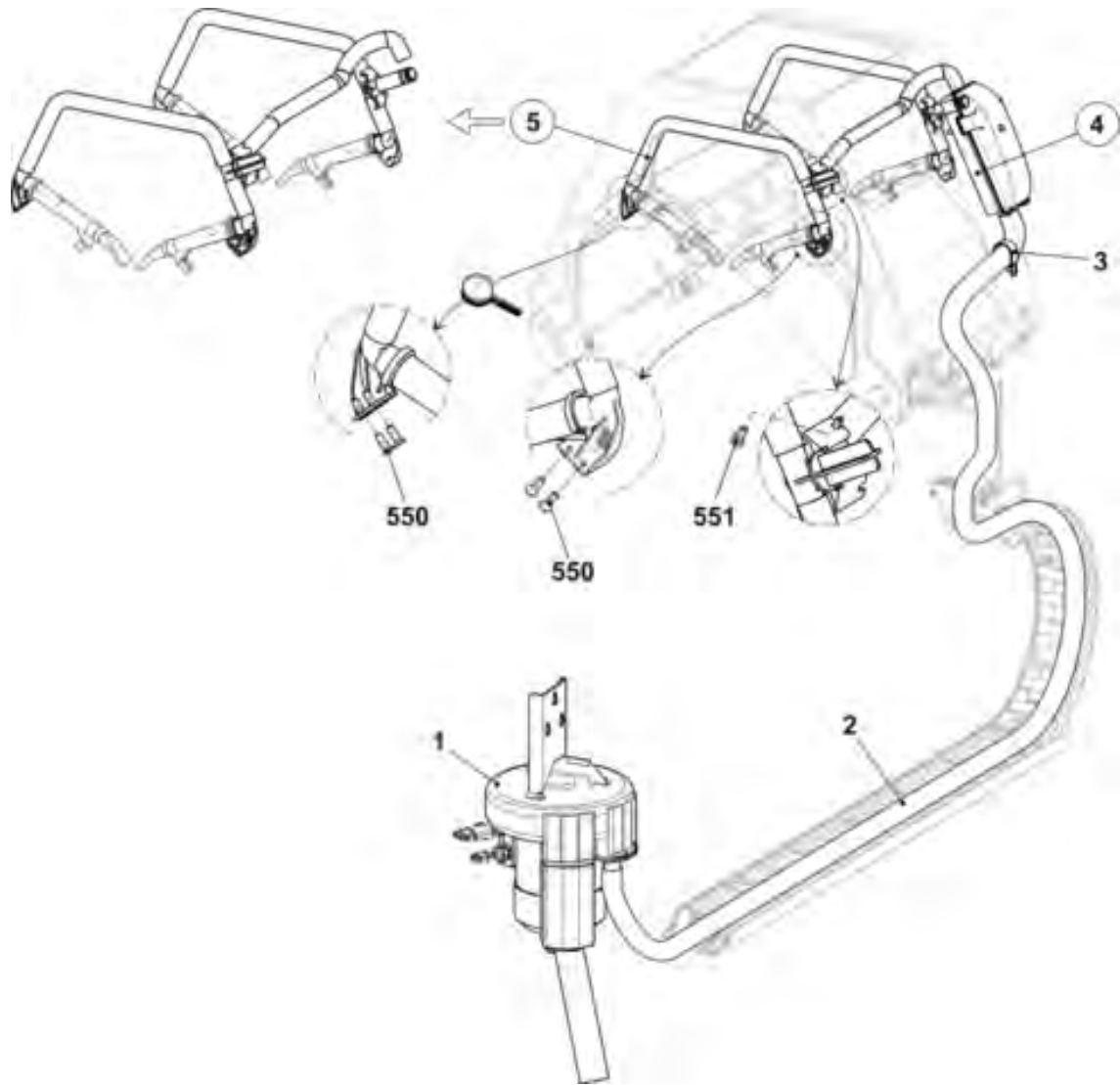
Notes:

10 Fluff absorption



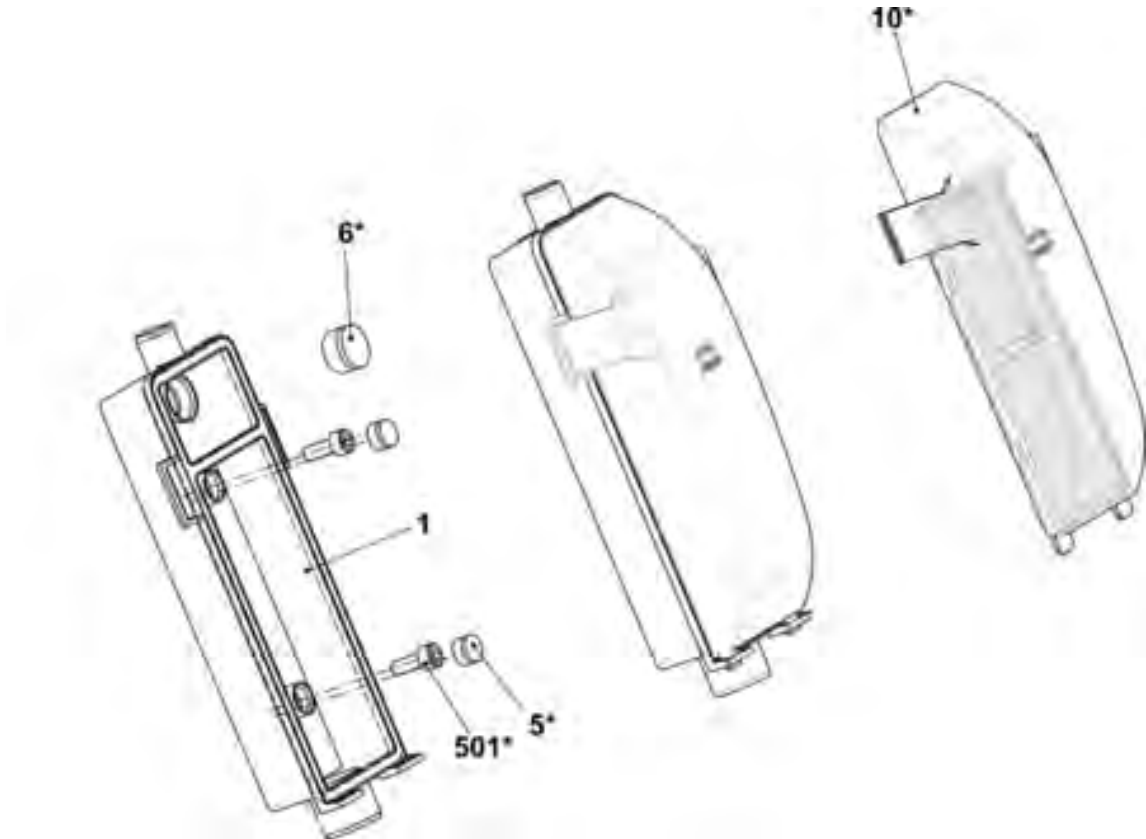
10.1 Fluff absorption

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Fluff absorption			4	Lint container	245 024
1	Suction fan complete	259 004		5	Set of hose complete 520	251 338
2	Suction hose 29x25x2800	252 627		550	Countersunk head screw M4x8	251 011
3	Cable clip	250 051		551	Cap screw M4x8	022 501



10.1.1 Lint container

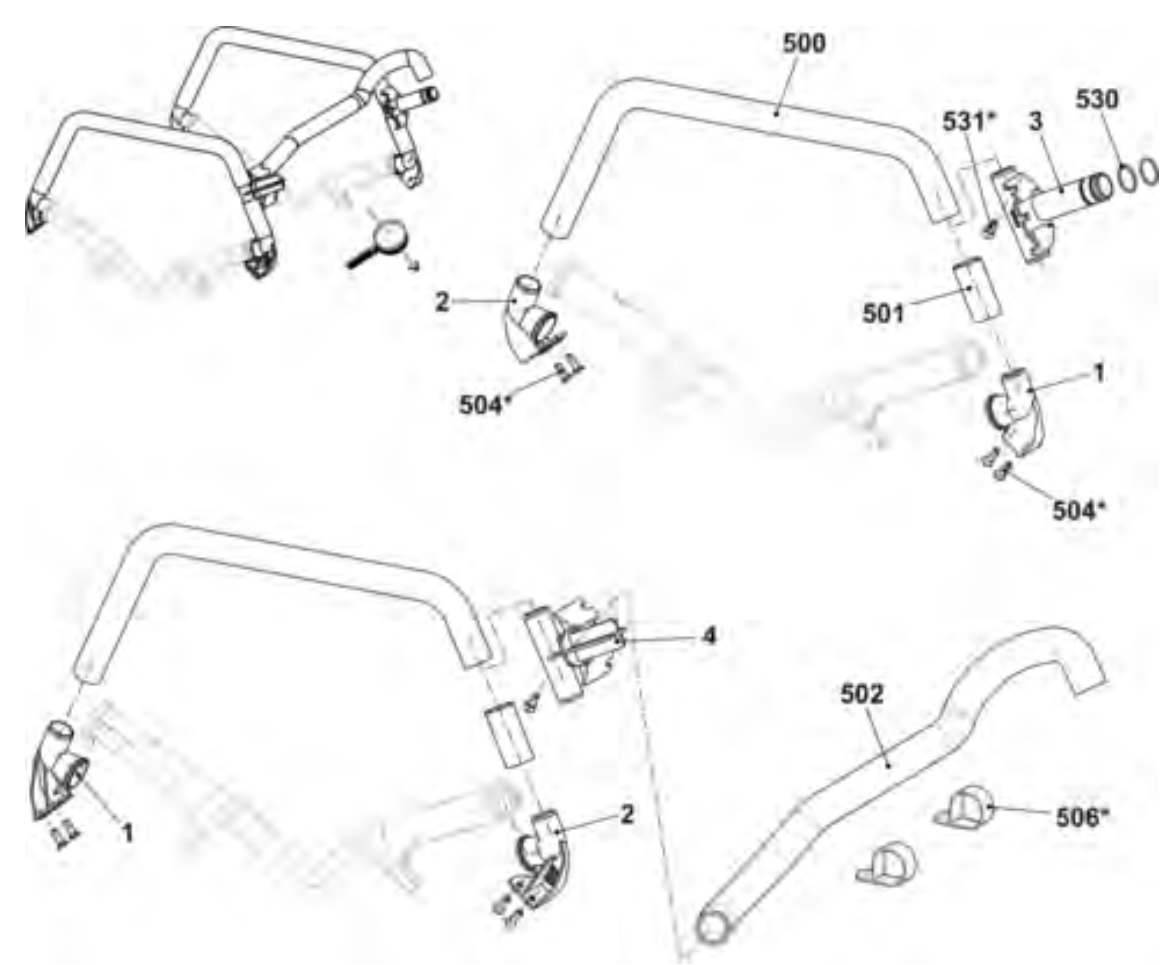
Pos	Designation	Id		Pos	Designation	Id
Σ	Lint container			6*	Sealing plug	245 029
1	Lint container	245 024		10*	Cover with filter	251 335
5*	Sealing plug	245 028		501*	Cap screwM6x10	023 690



10.1 Fluff absorption

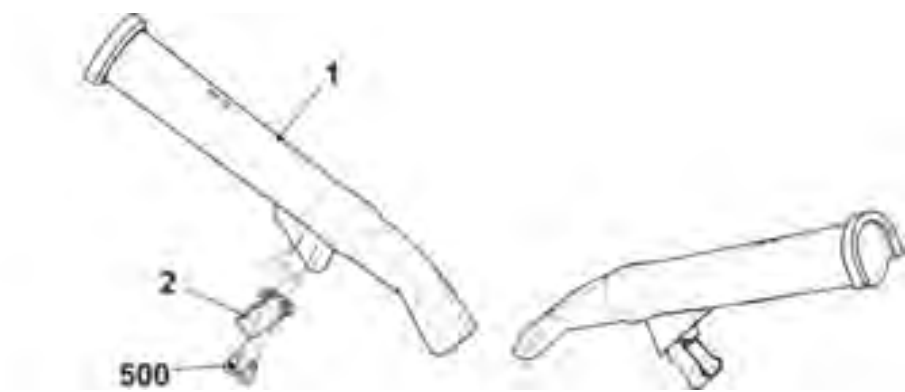
10.1.2 Set of hose

Pos	Designation		Id. no.		Pos	Designation		Id. no.
Σ	Set of hose complete 520		251 338		4	Connection piece Flent		245 022
1	Angle connection on the right		250 121		500	Suction hose 20x16x400		244 983
2	Angle connection on the left		251 101		501	Suction hose 20x16x40		251 043
3	T-piece FLENT		245 021		502	Suction hose 20x16x420		251 045
	530	O-ring 15x1,5	250 054		504*	Countersunk head screw M4x12		023 062
	531*	Cap screw M4x8	022 501		506*	Cable clip		250 051



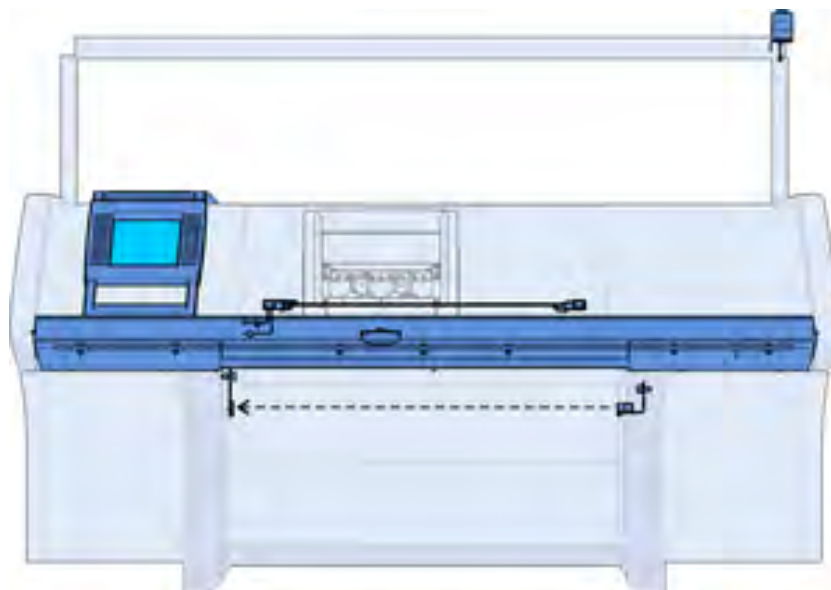
10.1.3 Suction tube

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



Notes:

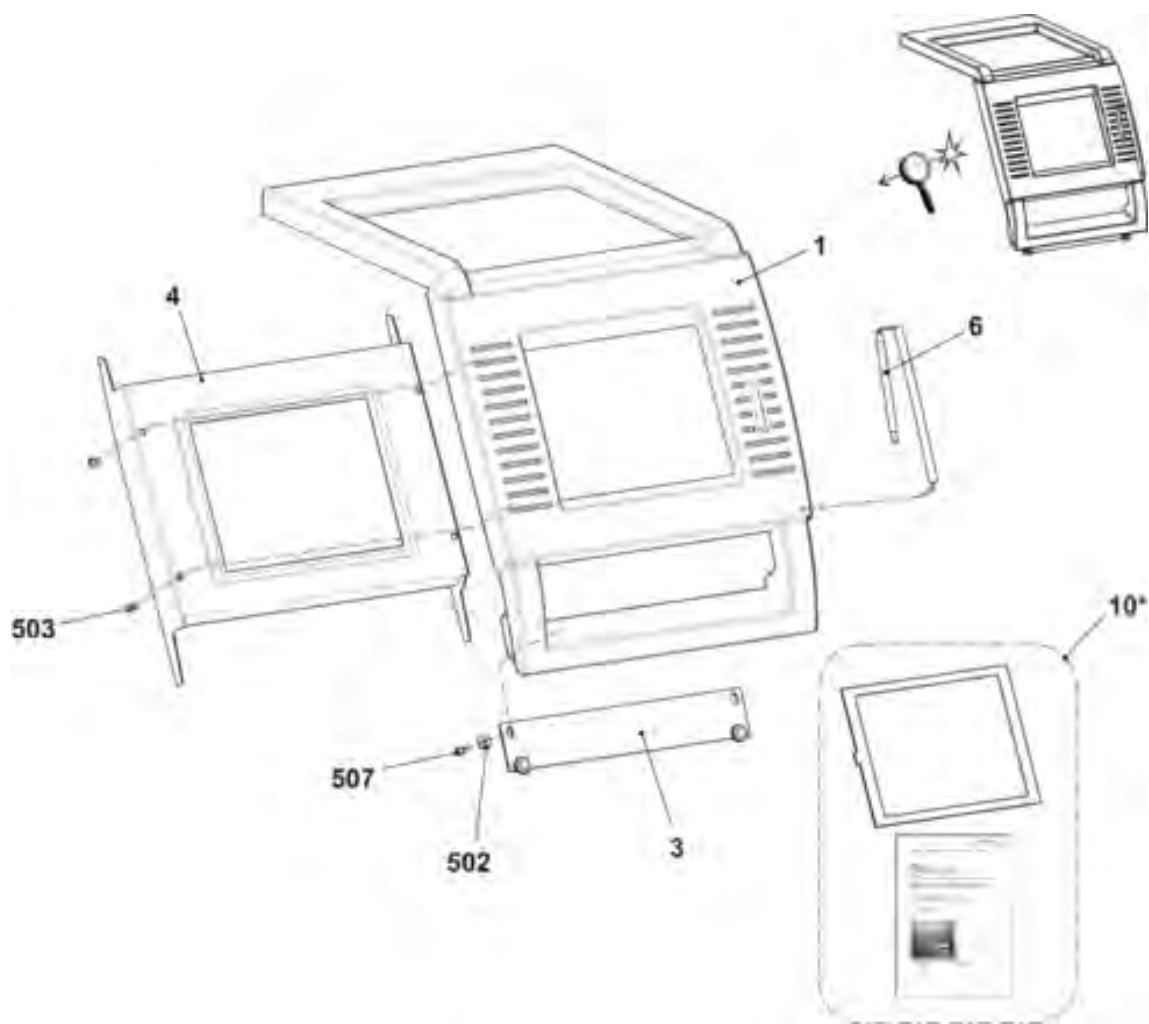
11 Operation and control



11.1 Input unit

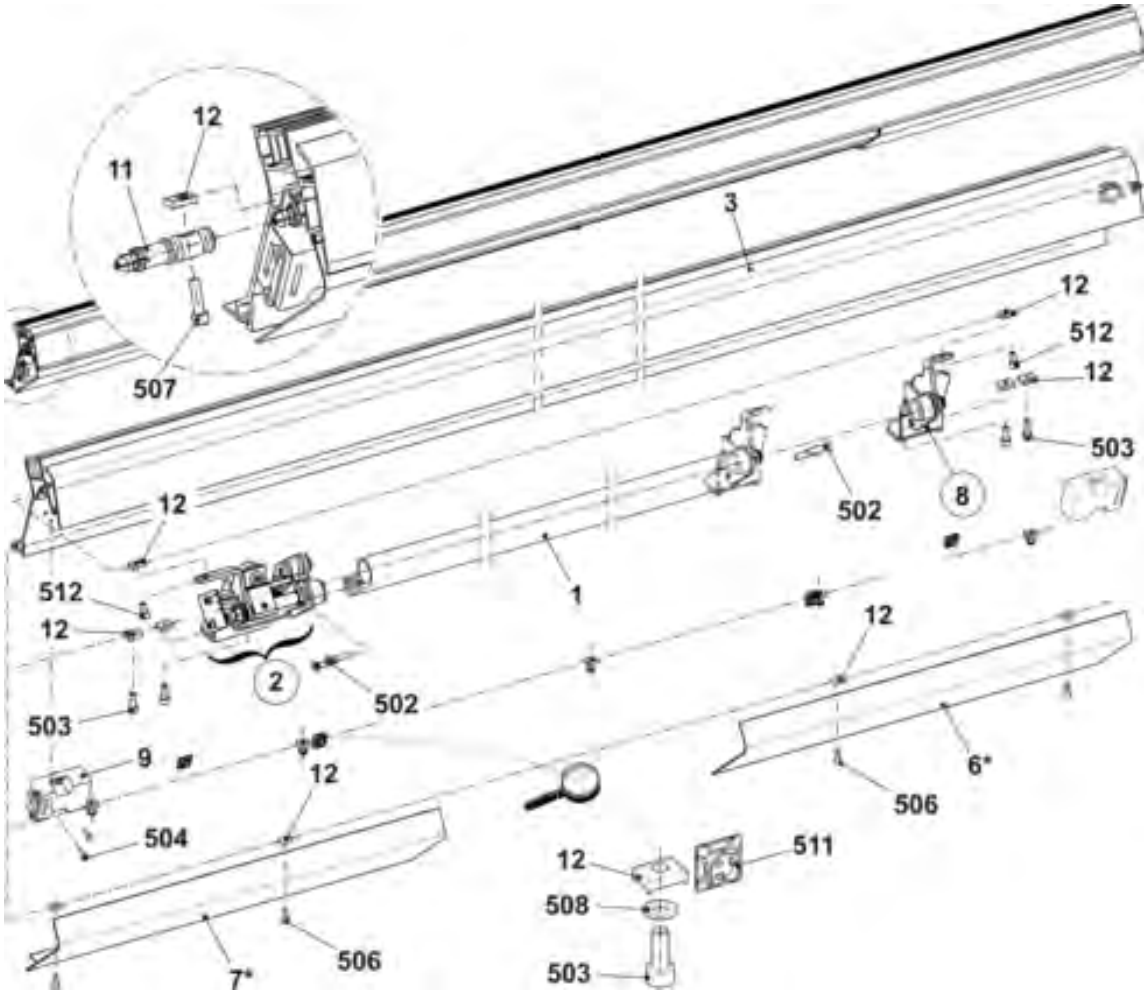
11.1 Input unit

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



11.2 Starting device

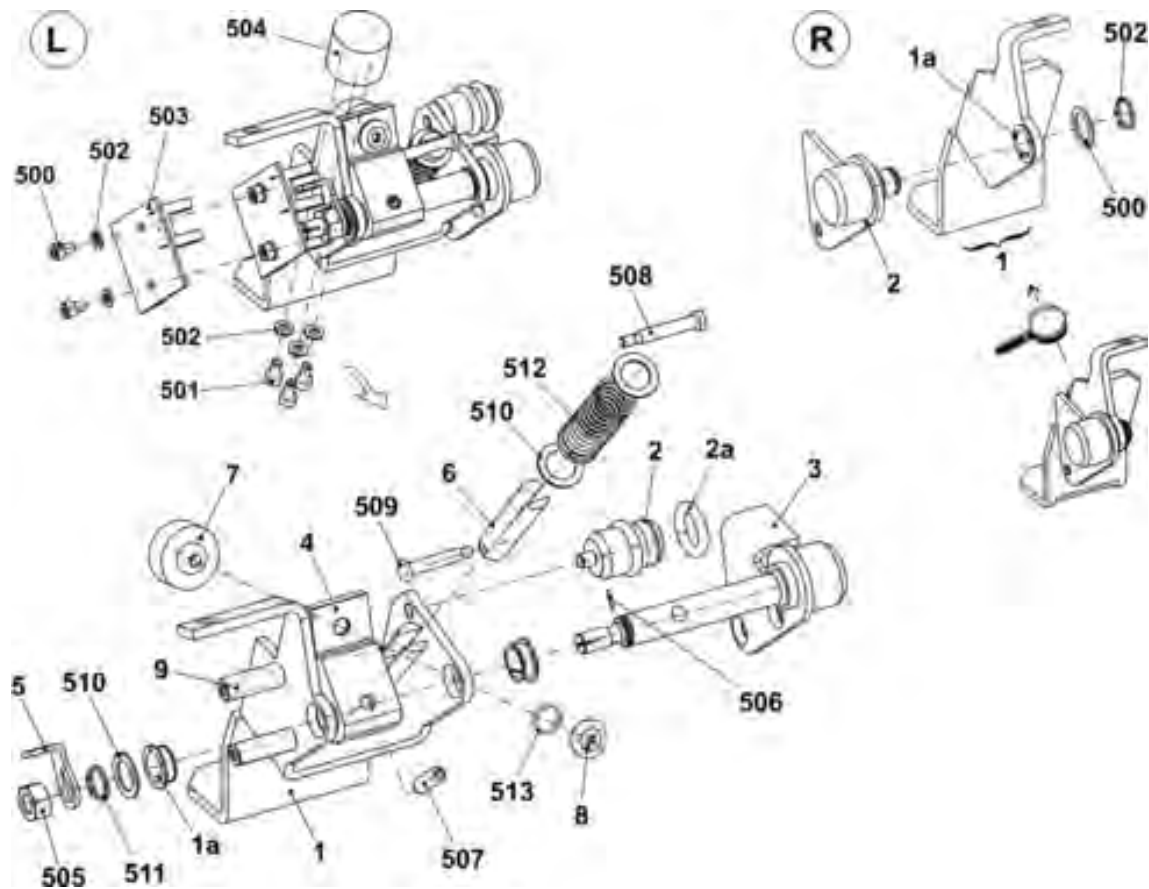
Pos	Designation	Id	Pos	Designation	Id
Σ	Starting device complete	240 306	12	Sliding nut (slot nut)	225 099
1	Engaging rod	240 227	502	Screw M6x25	023 510
2	Bearing on the left complete	250 071	503	Cap screw M6x16	020 135
3	Guide rail at the bottom complete	257 309	504	Pan head screw M5x14	023 588
6*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



11.2 Starting device

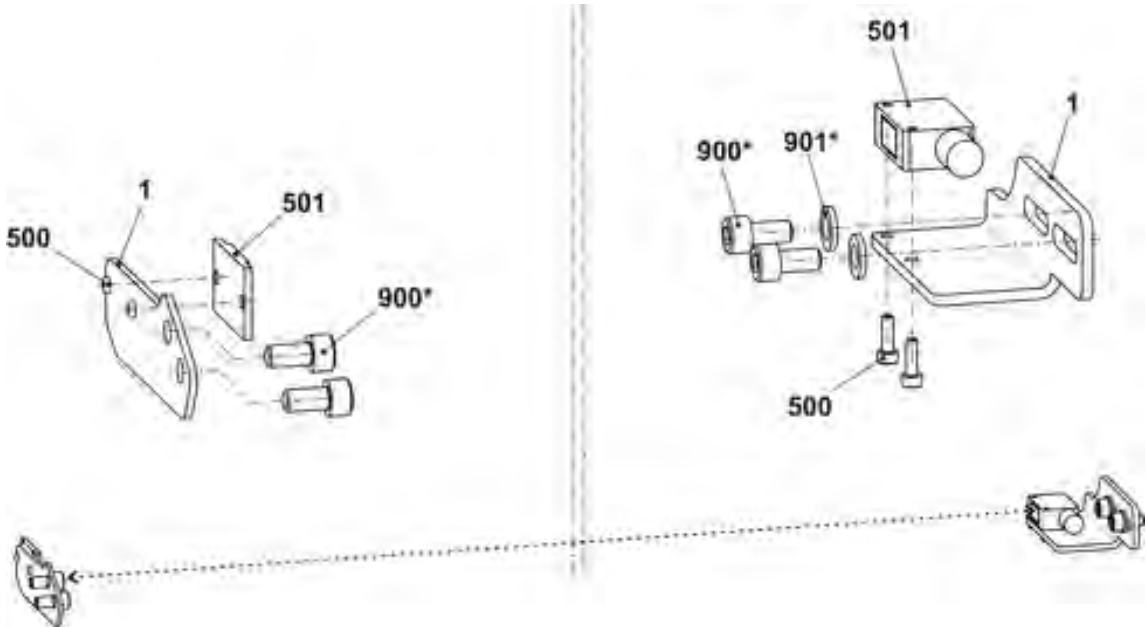
11.2.1 Bearing of the engaging rod

Pos	Designation	Id	Pos	Designation	Id
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M8-6	020 838
1a	Clip bearing MCM 12-04	023 639	506	Dowel pin 1,5x8	236 923
2	Support of buffer	220 561	507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237	508	Shoulder screw M4x24,8x7,7	240 299
3	Shaft on the left	245 219	509	Shoulder screw	251 316
4	Rotor	253 776	510	Shim ring 12x18x1	023 315
5	Switch flag	245 220	511	Retaining ring 12x1	020 951
6	Spring mandrel	251 340	512	Compression spring 1,25x15x98,2	023 609
7	Disk	245 222	513	Compression spring 0,5x11x12	251 369
8	Shoulder screw	254 528			
9	Distance bolt	240 287	R	Bearing on the right complete	252 964
500	Cap screw M4x6	023 067	1	Bearing on the right	240 230
501	Cap screw M4x8	022 501	1a	Clip bearing MCM 12-04	023 639
502	Shim ring 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	259 000	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Retaining ring 12x1	020 951



11.3 Collecting area - control

Pos	Designation	Id		Pos	Designation	Id
Σ	Reflector complete	256 826		Σ	Light barrier complete	256 825
1	Mounting plate reflector	256 675		1	Holding angle light barrier	256 674
500	Blind rivet A3x8-Al	023 158		500	Cap screw M3x10	022 991
501	Reflector 20x20 mm	243 356		501	Light barrier W100-P4330	243 355
900*	Cap screw M6x12	020 134		900*	Cap screw M6x12	020 134
				901*	Washer6	020 872



11.4 Signal light

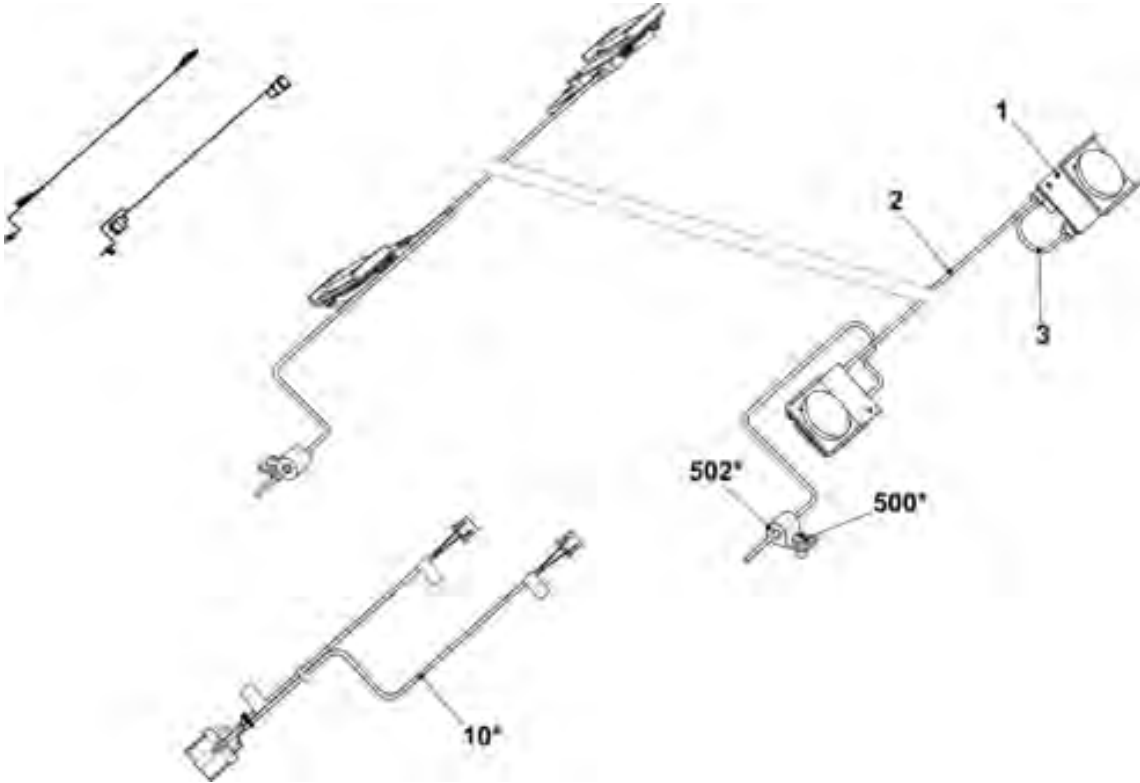
11.4 Signal light

Pos	Designation		Id		Pos	Designation		Id
Σ	Signal light LED		240 395					
	500	Pan head screw M4x14	023 037					
	501	Serrated lock washer A4,3-FS	022 482					



11.5 Shock stop motion

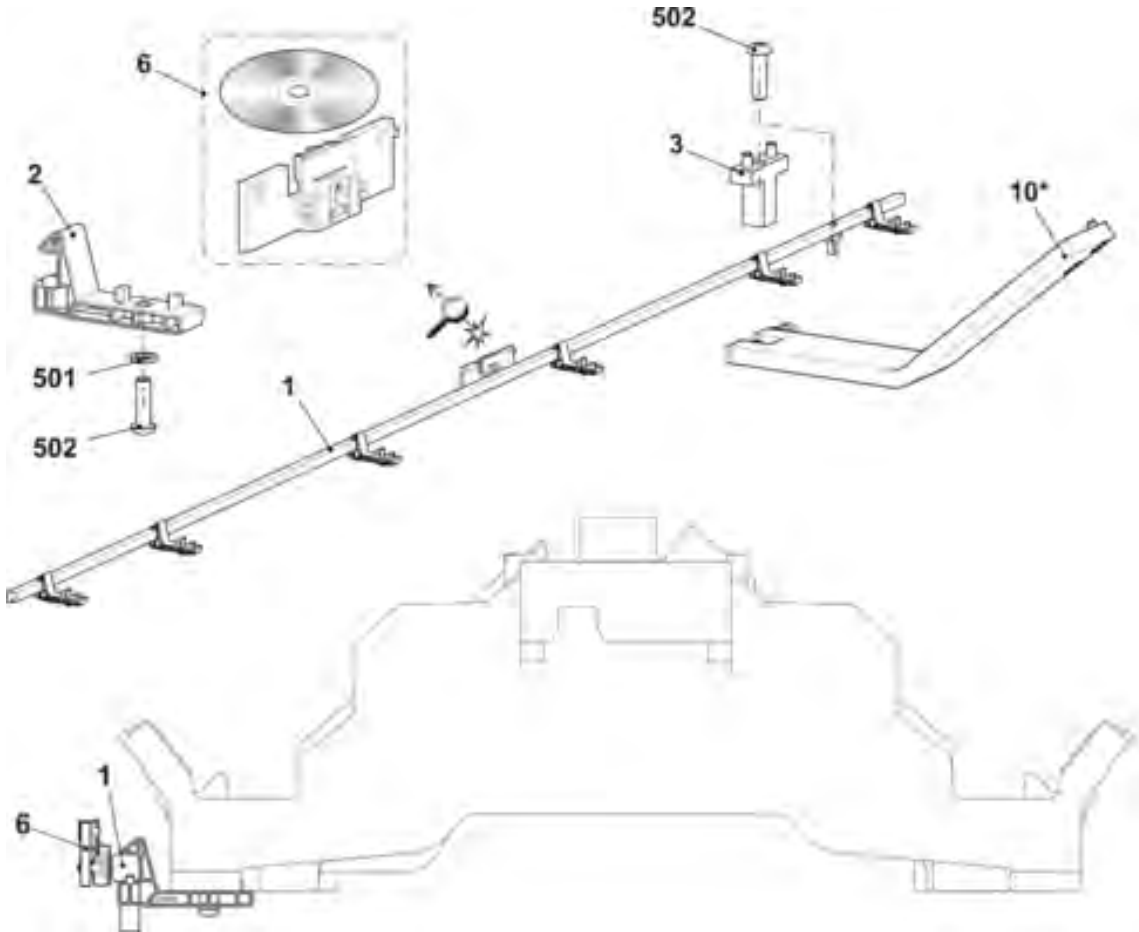
Pos	Designation	Id		Pos	Designation	Id
Σ	Shock stop motion complete E5-14	241 819				
1	Shock stop motion (Piezo)	220 011		10*	Cable piezo NBOKC	240 518
2	Connecting cable piezo sensor	220 061		500*	Pan head screw M4x8	023 036
3	End plug piezo sensor	220 053		502*	Cable clip N-3B, 5 mm	210 729



11.6 Measuring device E5 | E7 | E8 | E2,5.2 | E3,5.2 | E5m.4 | E7m.5 | E7m.8 | E8m.7 | E2+3,5.2m.4L

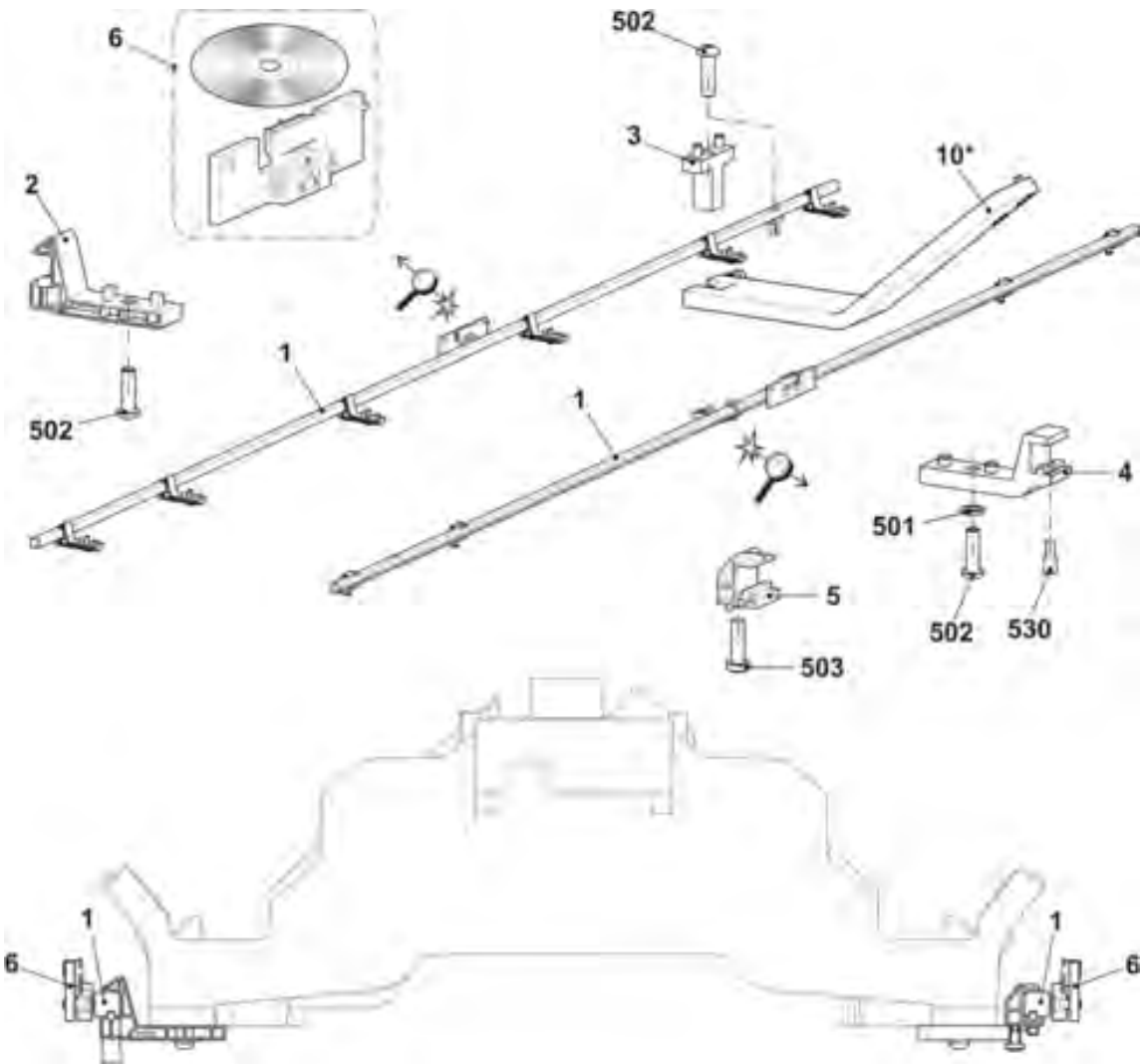
11.6 Measuring device
E5 | E7 | E8 | E2,5.2 | E3,5.2 | E5m.4 | E7m.5 | E7m.8 | -
E8m.7 | E2+3,5.2m.4L

Pos	Designation	Id		Pos	Designation	Id
Σ	Measuring device			6	Spare parts package impulse sensor GLM	259 613
1	Measuring bar	257 370		501	Washer	020 881
2	Guide	251 676		502	Pan-head screw	241 603
3	Stop point	209 289		10*	Bearing fork	240 689



11.7 Measuring device E5.2

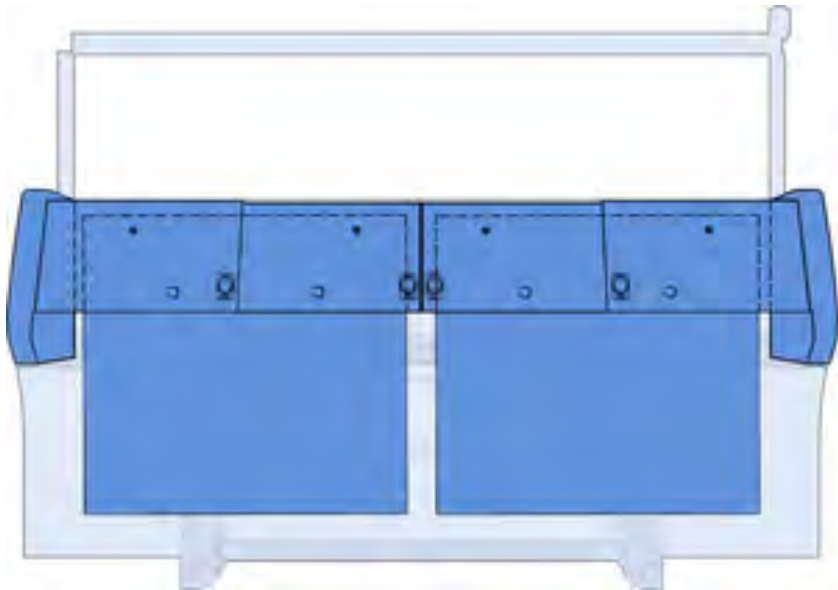
Pos	Designation	Id		Pos	Designation	Id
Σ	Measuring device					
1	Measuring bar	257 370		6	Spare parts package impulse sensor GLM	259 613
2	Guide	251 676		502	Pan-head screw	241 603
3	Stop point	209 289		503	Screw 60x20	243 625
4	Guide	240 672		530	Setscrew	230 803
5	Guide outside	251 605		10*	Bearing fork	240 689



11.7 Measuring device E5.2

Notes:

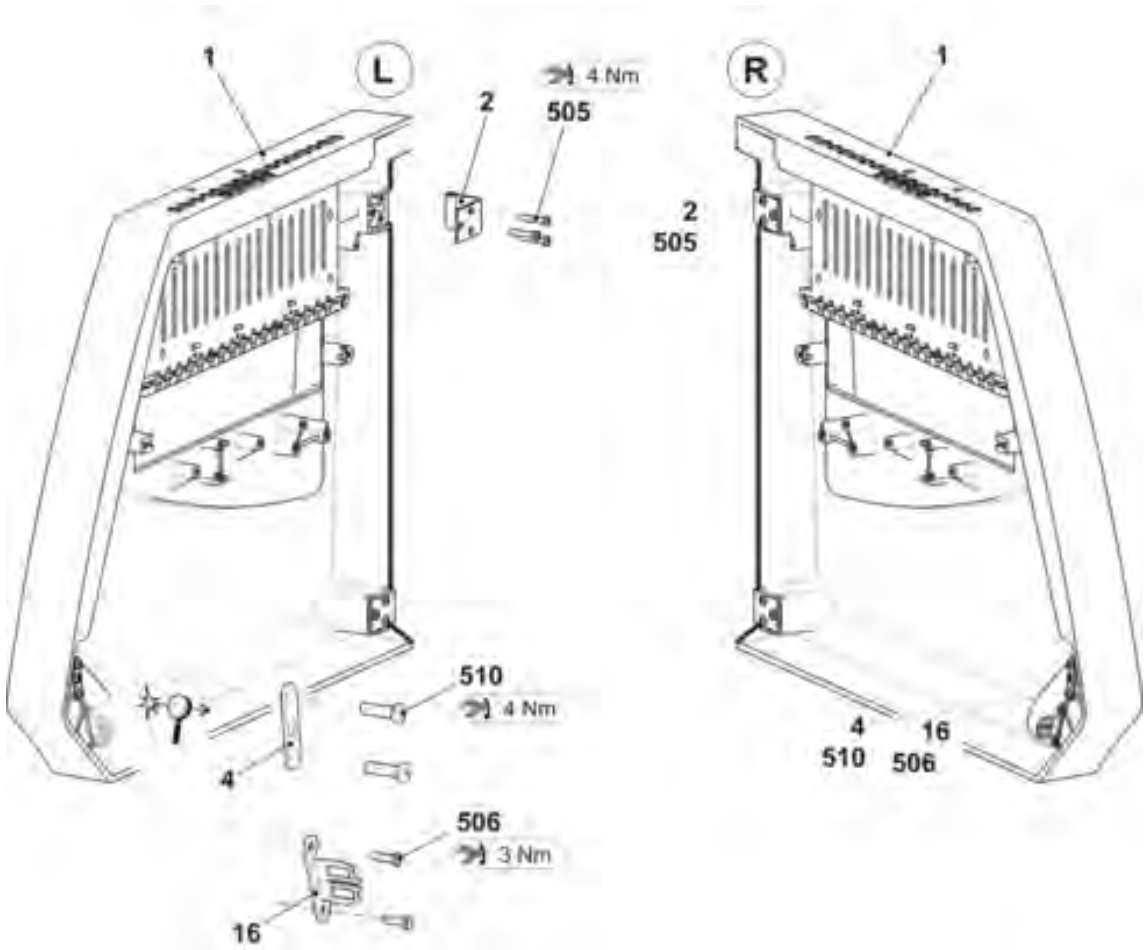
12 Protective units



12.1 Lateral safety doors

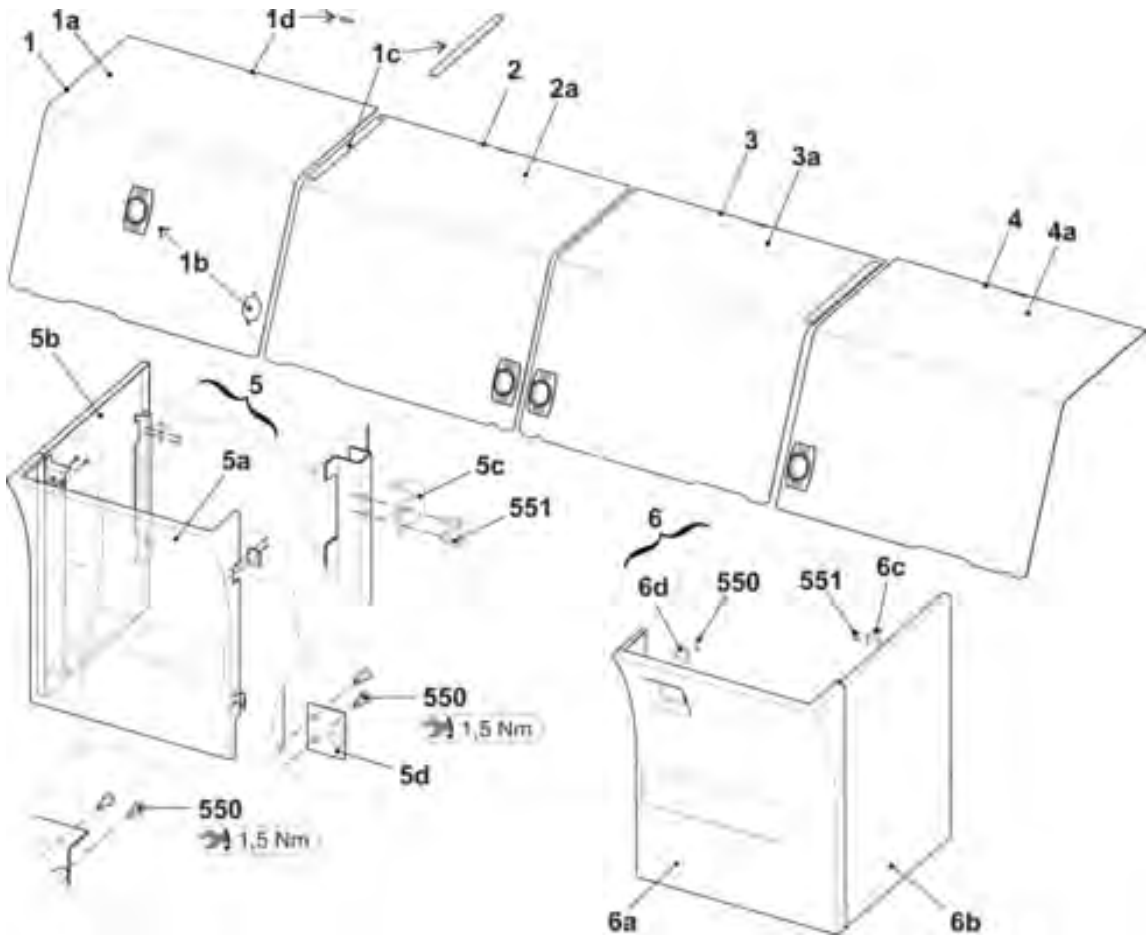
12.1 Lateral safety doors

Pos	Designation	Id		Pos	Designation	Id
Σ	Safety door on the left			Σ	Safety door on the right	
1	Safety door on the left	250 562		1	Safety door on the right	250 563
2	Hinge	263 939		2	Hinge	263 939
4	Locking plate	219 748		4	Locking plate	219 748
16	ActuatorAZ 15/16	255 492		16	ActuatorAZ 15/16	255 492
505	Screw KB 60x30	237 683		505	Screw KB 60x30	237 683
506	Screw KB 40x14	241 358		506	Screw KB 40x14	241 358
510	Screw KB 60x20	237 682		510	Screw KB 60x20	237 682



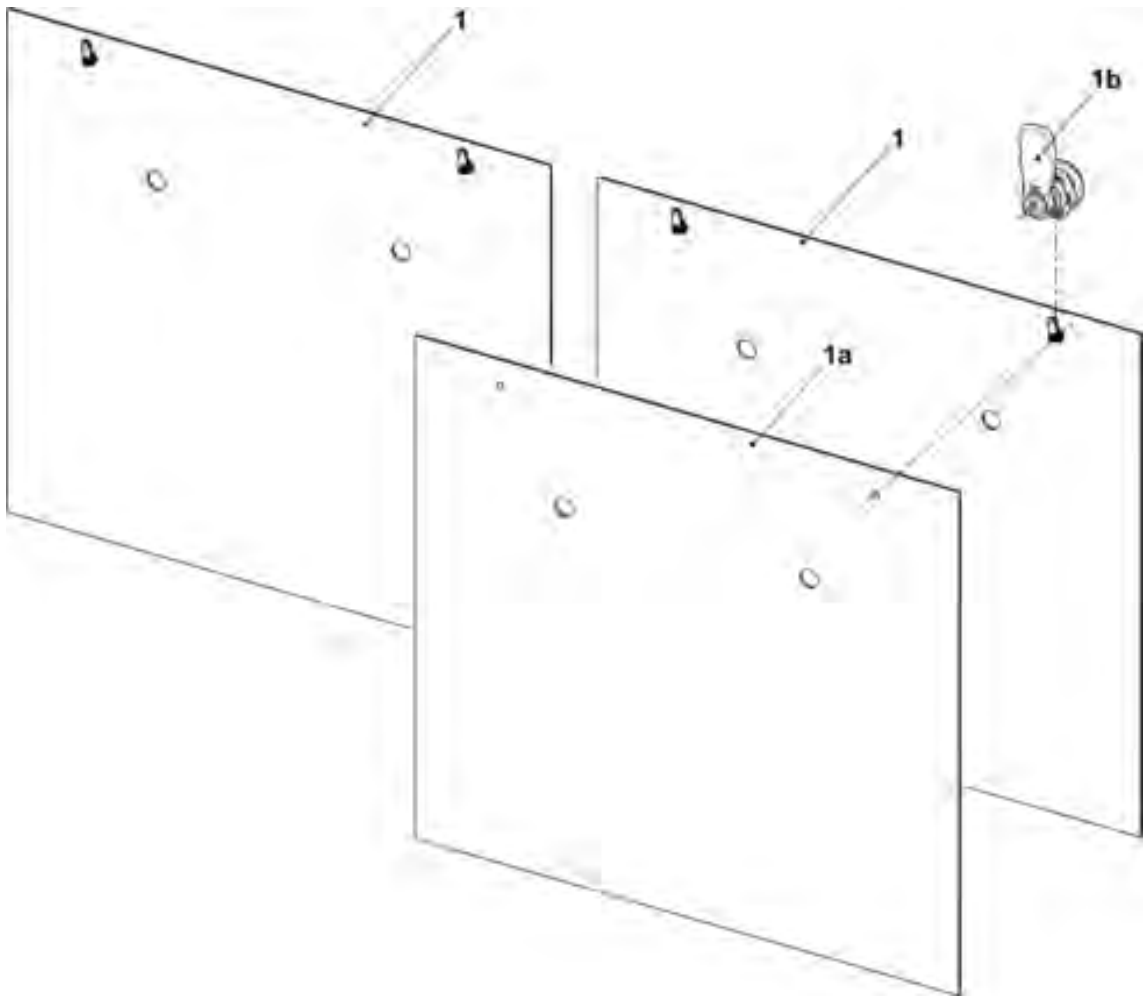
12.2 Panelling

Pos	Designation		Id		Pos	Designation		Id
1	Cover 1 complete		257 303		3	Cover 3 complete		257 305
	1a	Cover 1	257 296			3a	Cover 3	257 298
	1b	Inlet type handle	251 376			1b	Inlet type handle	251 376
	1c	Stripper	219 393			1c	Stripper	219 393
	1d	Magnet	204 666			1d	Magnet	204 666
2	Cover 2 complete		257 304		4	Cover 4 complete		257 306
	2a	Cover 2	257 297			4a	Cover 4	257 299
	1b	Inlet type handle	251 376			1b	Inlet type handle	251 376
	1c	Stripper	219 393			1c	Stripper	219 393
	1d	Magnet	204 666			1d	Magnet	204 666
5	Control unit panelling on the left complete		251 233		6	Control unit panelling on the right complete		251 234
	5a	Control unit panelling on the left	251 185			6a	Control unit panelling on the right	251 186
	5b	Side part	244 989			6b	Side part	244 989
	5c	Hinge	250 273			6c	Hinge	250 273
	5d	Bracket	240 412			6d	Bracket	240 412
	550	Screw KB 50x12	240 359			550	Screw KB 50x12	240 359
	551	Cap screw M6x16	020 135			551	Cap screw M6x16	020 135

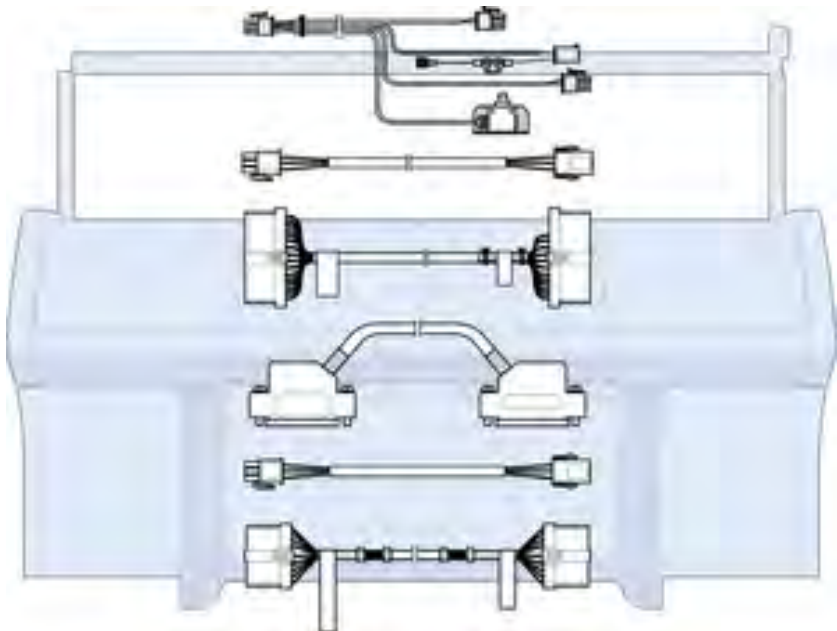


12.3 Rear panel

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



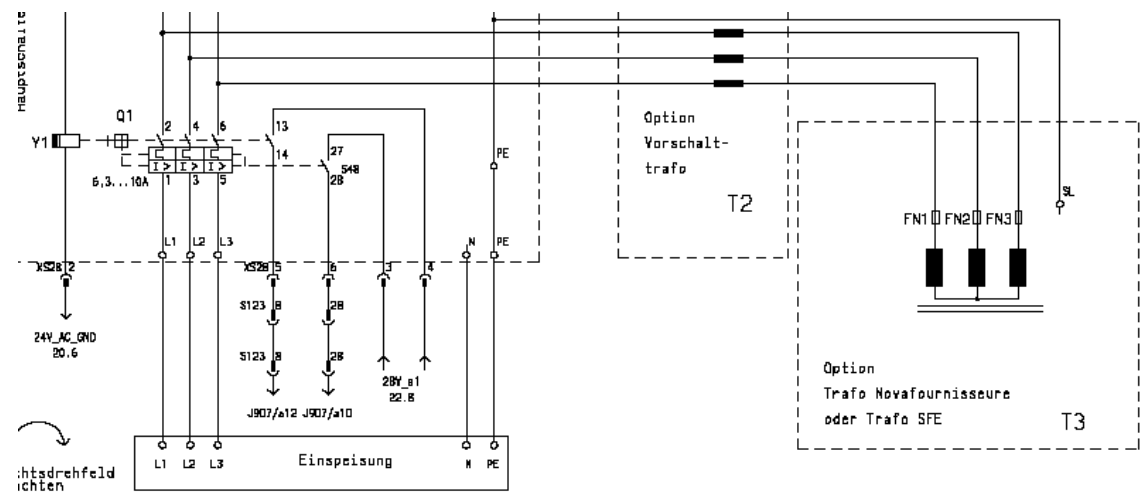
13 Electrical equipment



13.1 Circuit diagram (222) as PDF

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

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

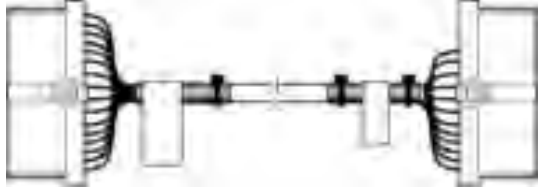


13.2 Fuses

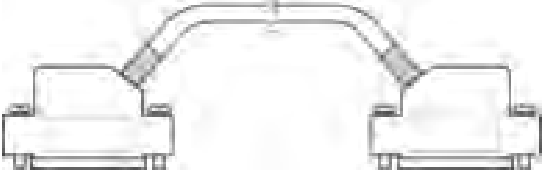
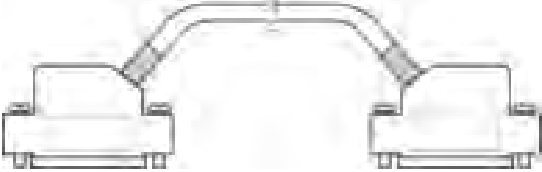
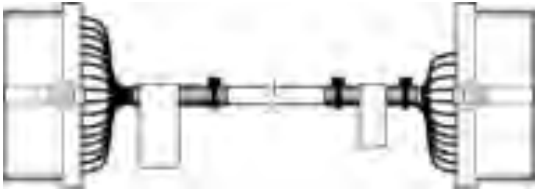
	Designation	Id
	Fuse 1,0A F 5x20	008 748
	Fuse 3,15A T/440V 6,3x32	025 261
	Fuse 10A T/440V 6,3x32Fuse	025 258
	Fuse 2,5A T/440V 6,3x32	217 465
	Fuse 1,6A T/440V 6,3x32	236 229
	Fuse 6,3A T/440V 6,3x32	026 809
	Fuse 8A T/440V 6,3x32Fuse	241 866
	Fuse 12,5A T/440V 6,3x32	232 367

13.3 Trailing cable E5 | E7 | E8 | E5m.4 | E7m.5 | E7m.8 | E8m.7 | E3,5.2

13.3 Trailing cable
E5 | E7 | E8 | E5m.4 | E7m.5 | E7m.8 | E8m.7 | E3,5.2

Designation		Id. no.	Designation		Id. no.
Σ	Trailing cable set OKC 520 1IMP-2	259 288			
	Cable carriage at the rear 520C XR332	255 054		Cable yarn carrier XR161	254 886
					
	Cable carriage at the front XR333 520C	254 888		Cable impulse sensor 2 at the rear XR136	259 357
					

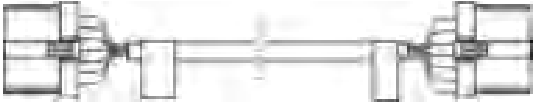
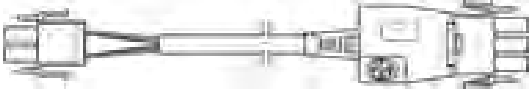
13.4 Trailing cable E5-8

Designation		Id. no.	Designation		Id. no.
Σ	Trailing cable set OKC 520 2IMP-2	259 302			
	Cable carriage at the rear XR332	255 054		Cable impulse sensor 2 at the rear XR136_520/530 OKC3	259 357
					
	Cable carriage at the front XR333	254 888		Cable impulse sensor 2 at the front XR137_520/530 OKC3	259 358
					
	Cable yarn carrier XR161	254 886			
					

13.5 Cable set installation

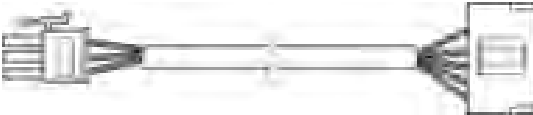
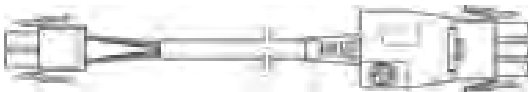
Designation			Id	Designation			Id
Σ	Cable set installation 5XX OKC		253 618				
1	Loom of cables base 1 5XX		253 619	3	Loom of cables 5XX OKC		253 621
2	Loom of cables base 2OKC		240 257	4	Loom of cables comb OKC		240 259
6	Cable switch main take-down 50" ECO2		252 541	7	Cable supply FKE lamp ECO2		252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

13.5.1 Cable set base 1

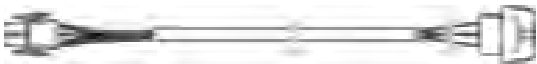
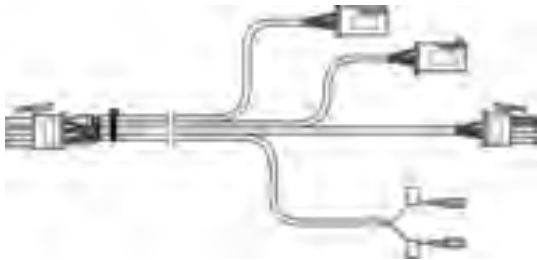
Designation		Id	Designation		Id
Σ	Loom of cables base 1 5XX	253 619			
	Cable Engaging rod ECO2	252 538		Cable protective device on the left 5XX	253 620
					
	Cable feed wheel on the left 50" OKC	240 464			
					

13.5 Cable set installation

13.5.2 Loom of cables base 2

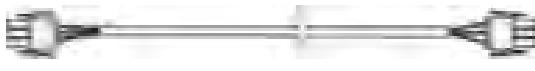
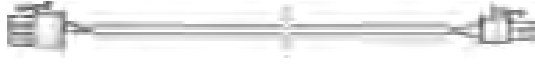
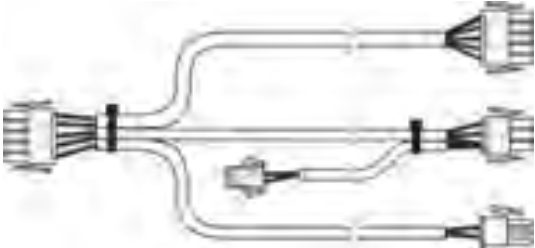
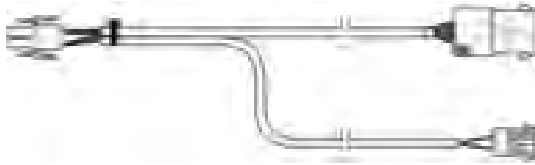
Designation		Id	Designation		Id		
Σ	Loom of cables base 2	240 257					
	Cable motor HAAB OKC	240 291		Cable resolver drive OKC 3XX	240 296		
							
	Cable racking limit switch OKC 3XX	240 292		Cable racking motor OKC 3XX	240 297		
							
	Cable fan drive 3XX OKC	240 293		Cable resolver racking OKC 3XX	240 298		
							
	Cable Feed wheel on the right OKC 3XX	240 294		Cable protective device on the right OKC	253 441		
							
	Cable drive motor OKC 3XX	240 295					
							

13.5.3 Loom of cables comb

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

13.5 Cable set installation

13.5.4 Loom of cables 5XX

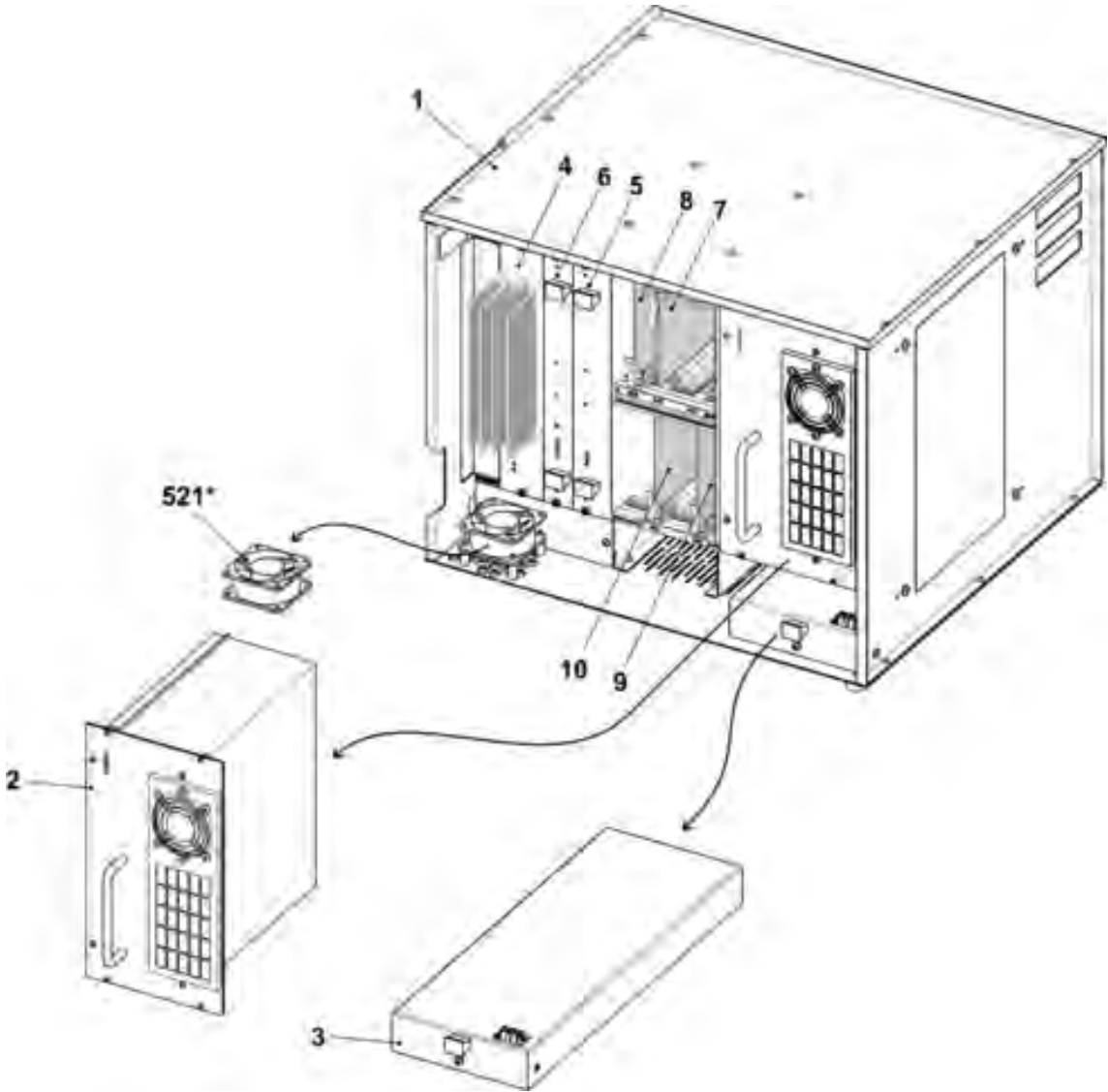
Designation		Id	Designation		Id
Σ	Loom of cables 5XX OKC	253 621			
	Cable motor auxiliary take-down 50" okc	240 467		Cable power supply unit of mains supply OKC	240 505
					
	Cable impulse sensor auxiliary take-down 50" OKC	240 468		Cable switch auxiliary take-down 3xx OKC	240 472
					
	Cable power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

14 Control electronics

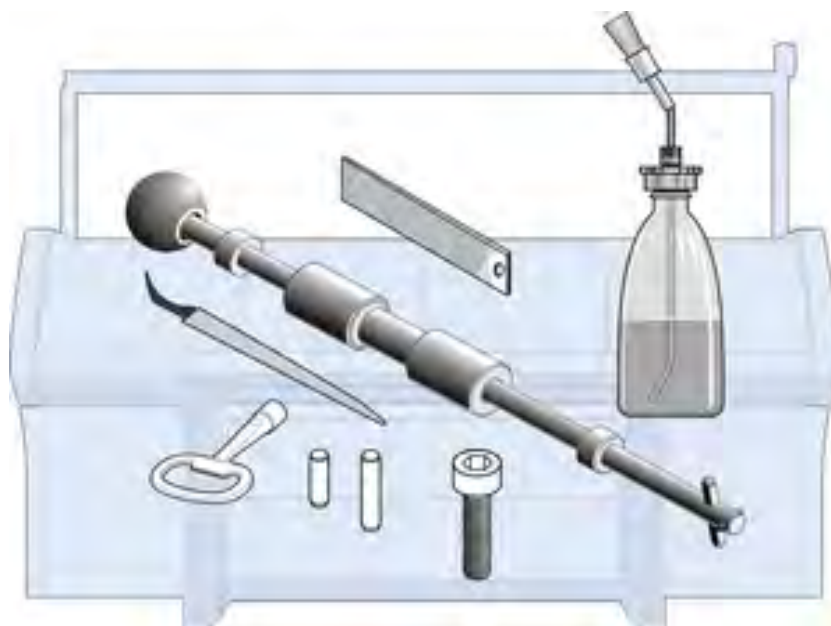


14.1 Control cabinet

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



15 Deliverable accessories



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

15.1 Tool

15.1 Tool

Pos	Designation	Id		Pos	Designation	Id
1	Shim	056 569		13	Fuse 6,3A T/440V 6,3x32	026 809
2	Setscrew M16x40	244 061		14	Fuse 10A T/440V 6,3x32Fuse	025 258
3	Key of switch cabinet	009 346		15	Fuse 2,5A T/440V 6,3x32	217 465
4	Extraction hook	232 027		16	Fuse 1A T/440V 6,3x32	209 321
4a	Small pin	202 843		17	Fuse 1,6A T 5x20	008 715
4b	Pencil	232 022		18	Micro fuse F1,0A	008 748
9	Signal lightLED	240 395		31	Tool kit	209 527
10	Measuring tape L=150cm	228 180		32	Channel chisel E14-20 (E5-14)	062 316
11	Working hook	227 249		35	Device needle bed complete	263 625
12	Fuse 3,15A T/440V 6,3x32	025 261				



15.2 Lubricating stuff

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



15.2 Lubricating stuff

Notes:

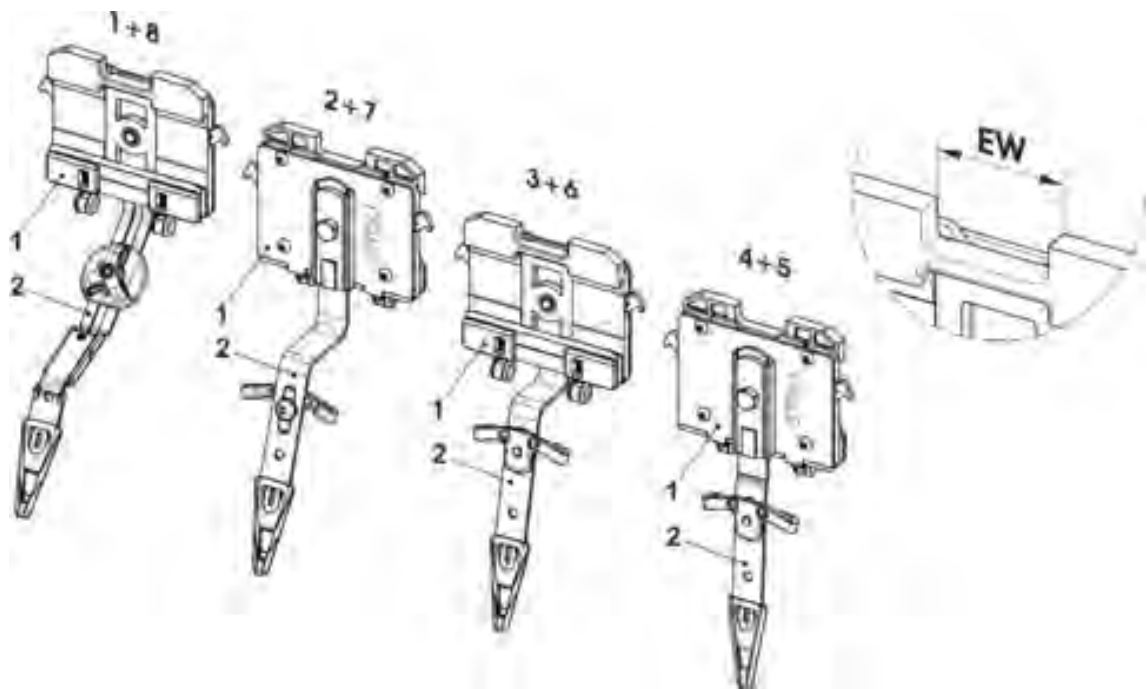
16 Special attachments



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

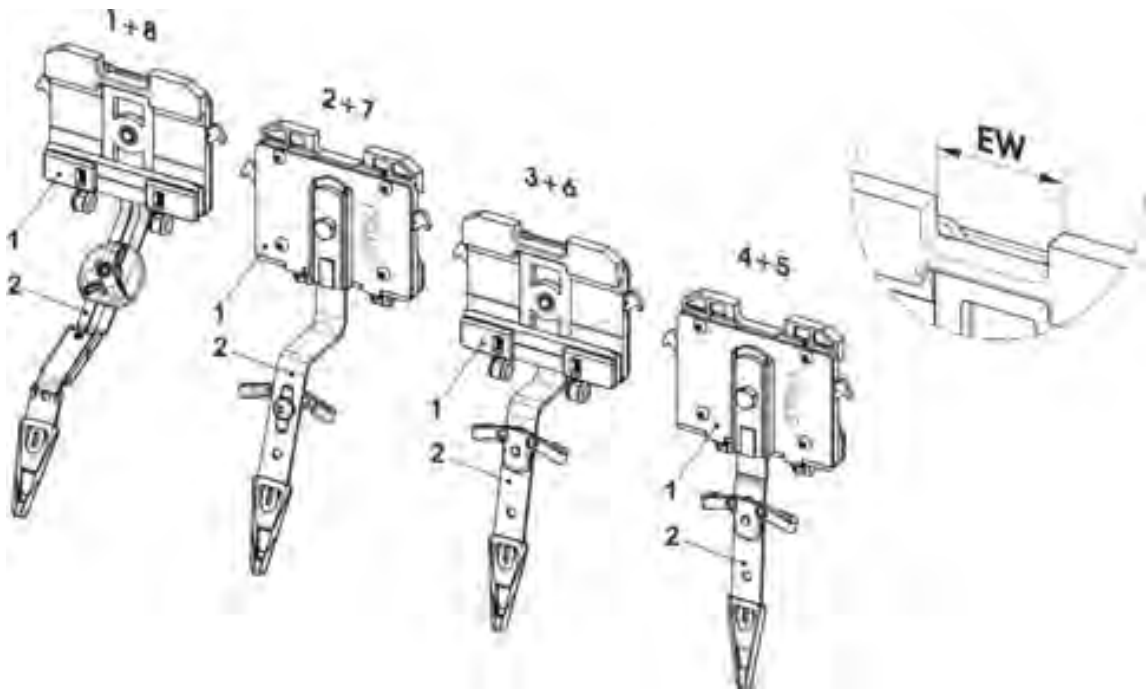
16.1 Yarn carrier type 2, E5 | E2,5.2 | E3,5.2 | E5.2

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



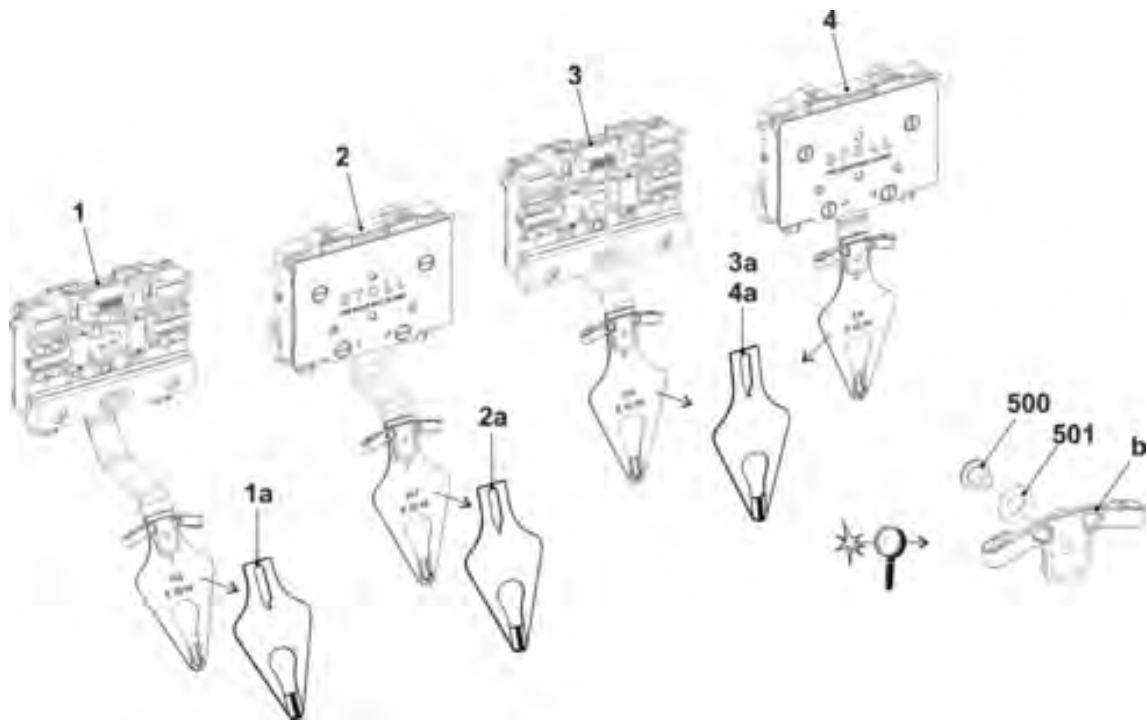
16.2 Yarn carrier type 2, E7 | E8 | E6.2

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



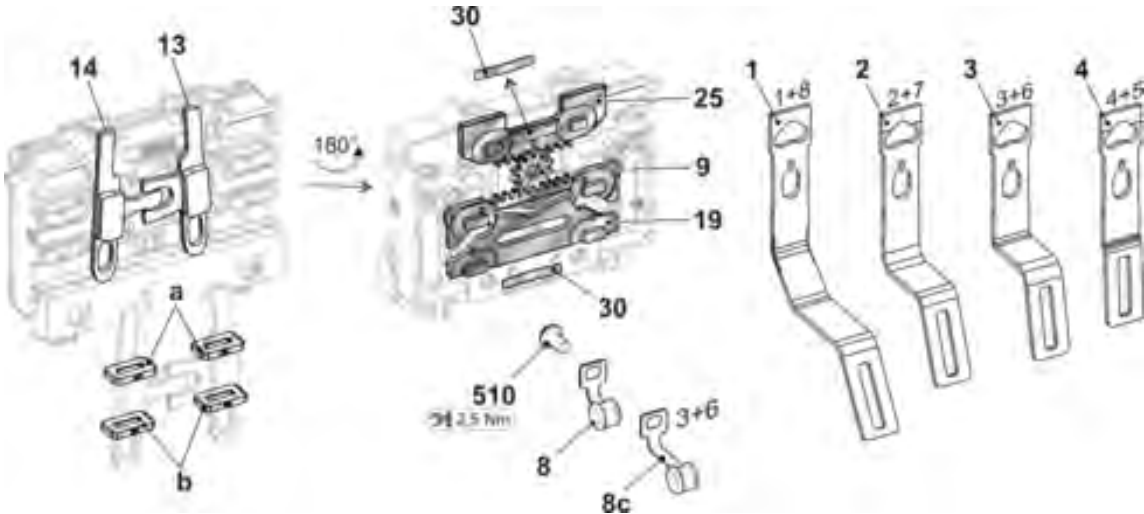
16.3 Intarsia yarn carrier type 2, Overview

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



16.3.1 Continuation Intarsia yarn carrier type 2

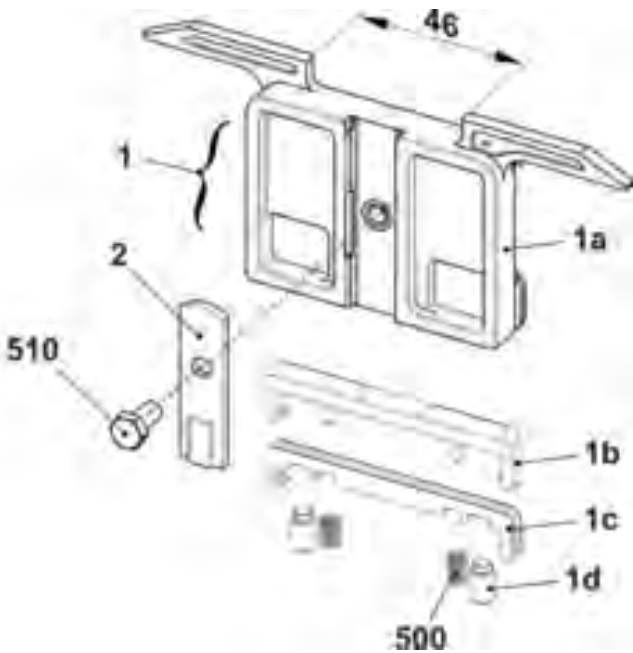
Pos	Designation	Id		Pos	Designation	Id
Σ	IFF carriage 1+8	259 728		1	FF bow 1+8	259 719
	IFF carriage 2+7	259 729		2	FF bow 2+7	259 720
	IFF carriage 3+6	259 730		3	FF bow 3+6	259 721
	IFF carriage 4+5	259 731		4	FF bow 4+5	259 722
8	Eyelet holder complete	260 702		a	Pressure plate 2,02 H	262 433
8c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



16.4 Carriage of plating yarn carrier EW 46

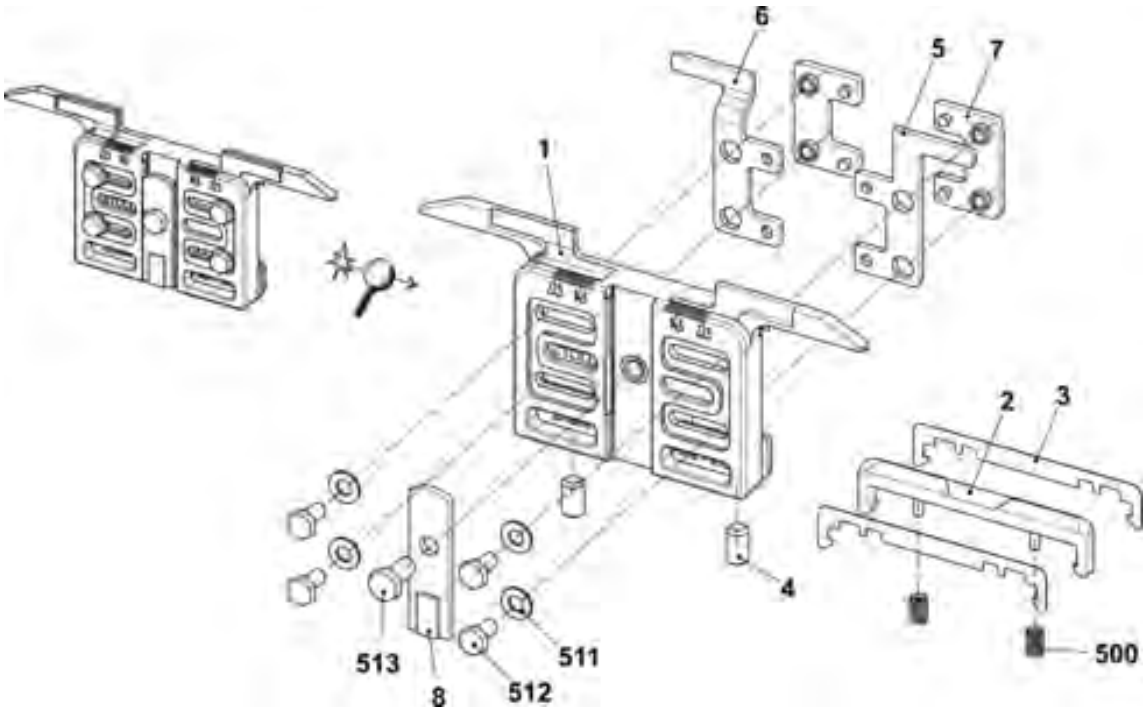
16.4 Carriage of plating yarn carrier EW 46

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



16.5 Carriage of plating yarn carrier (adjustable)

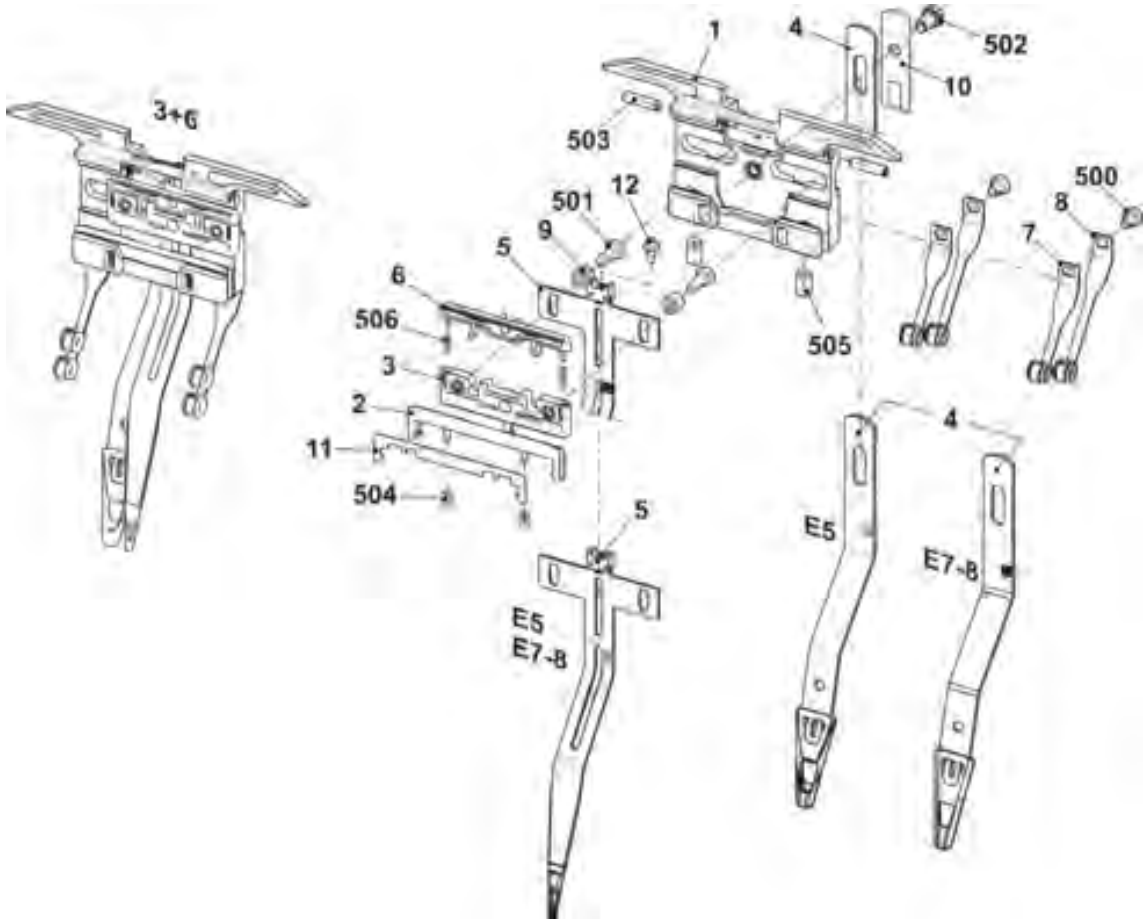
Pos	Designation	Id		Pos	Designation	Id
Σ	Plating yarn carrier carriage complete	251 867				
1	Carriage of yarn carrier	251 864		7	Guide part	253 226
2	Sliding piece	212 583		8	Shim	213 035
3	Shim	216 143		500	Compression spring	021 399
4	Threaded bolt	213 399		511	Washer4	022 481
5	Insert on the right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



16.6 Plating yarn carrier 3+6

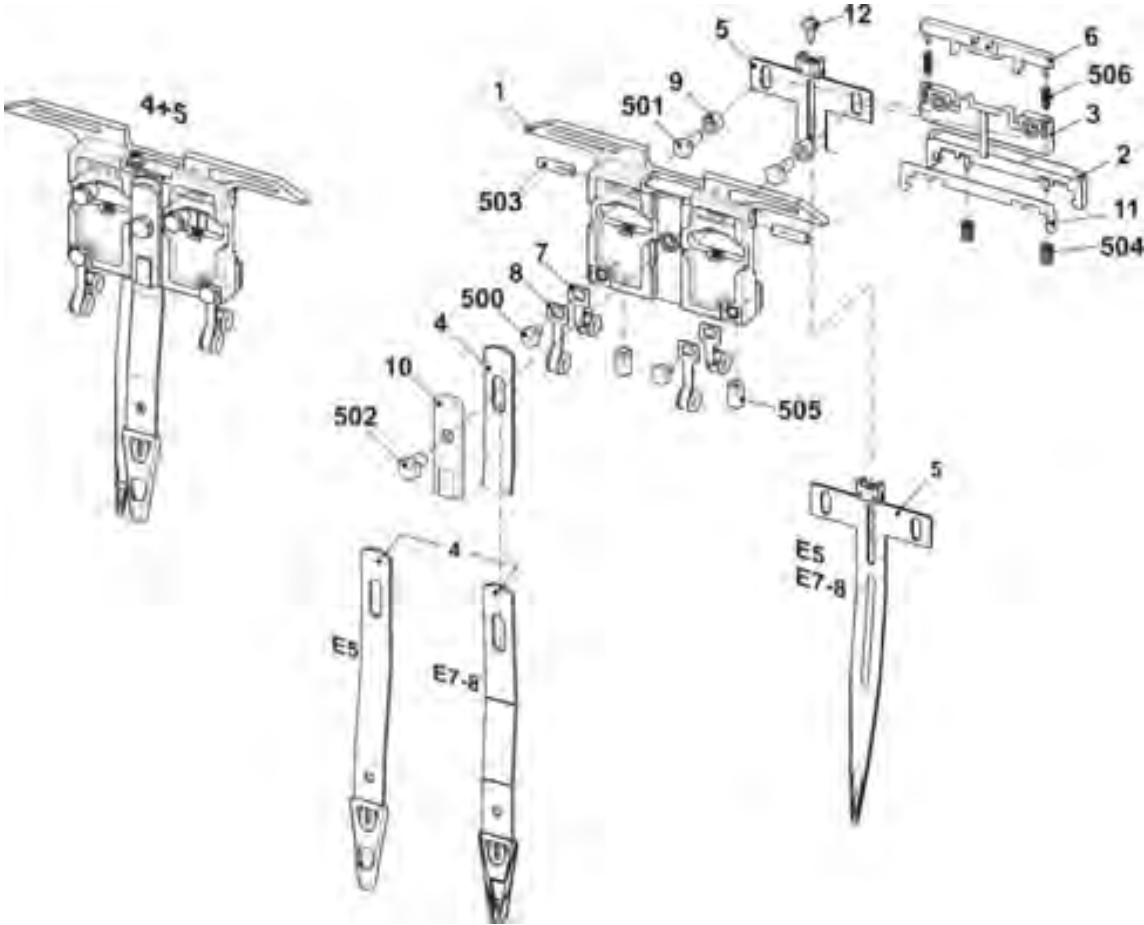
16.6 Plating yarn carrier 3+6

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Plating yarn carrier carriage 3+6 complete		8	Eyelet holder complete	252 824
	E5 E3,5.2 E5.2	252 782	9	Distance bushing	252 796
	E7 E8	252 784	10	Shim	213 035
1	Plating yarn carrier carriage	252 806	11	Shim	216 143
2	Sliding piece	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 3+6		501	Hexagon screwM4x10	020 346
	E5	252 820	502	Hexagon screw	252 832
	E7-8	252 821	503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 3+6 E5-8	252 800	504	Compression spring	021 399
6	Sliding piece	252 797	505	Threaded bolt	213 399
7	Eyelet holder complete	252 825	506	Compression spring	253 058



16.7 Plating yarn carrier 4+5

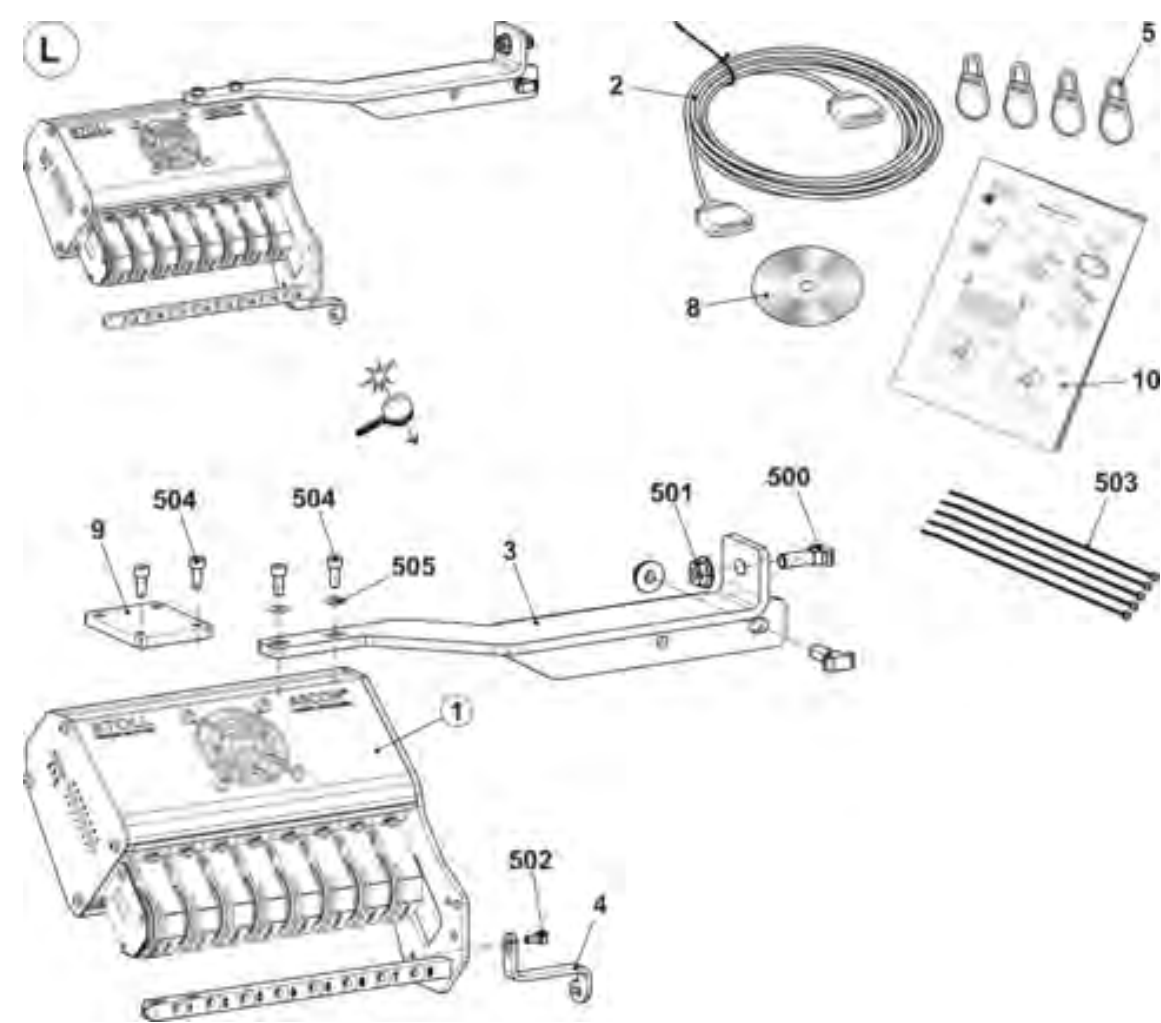
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Plating yarn carrier carriage 4+5 complete			8	Eyelet holder complete	252 816
	E5 E3,5.2 E5.2	252 781		9	Distance bushing	252 796
	E7 E8	252 783		10	Shim	213 035
1	Plating yarn carrier carriage	252 806		11	Shim	216 143
2	Sliding piece	212 583		12	Adjusting screw	253 436
3	Slider	252 798		500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 4+5			501	Hexagon screwM4x10	020 346
	E5	252 790		502	Hexagon screw	252 832
	E7-8	252 791		503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 4+5 E5-8	252 799		504	Compression spring	021 399
6	Sliding piece	252 797		505	Threaded bolt	213 399
7	Eyelet holder complete	252 815		506	Compression spring	253 058



16.8 Yarn length measuring device on the left complete

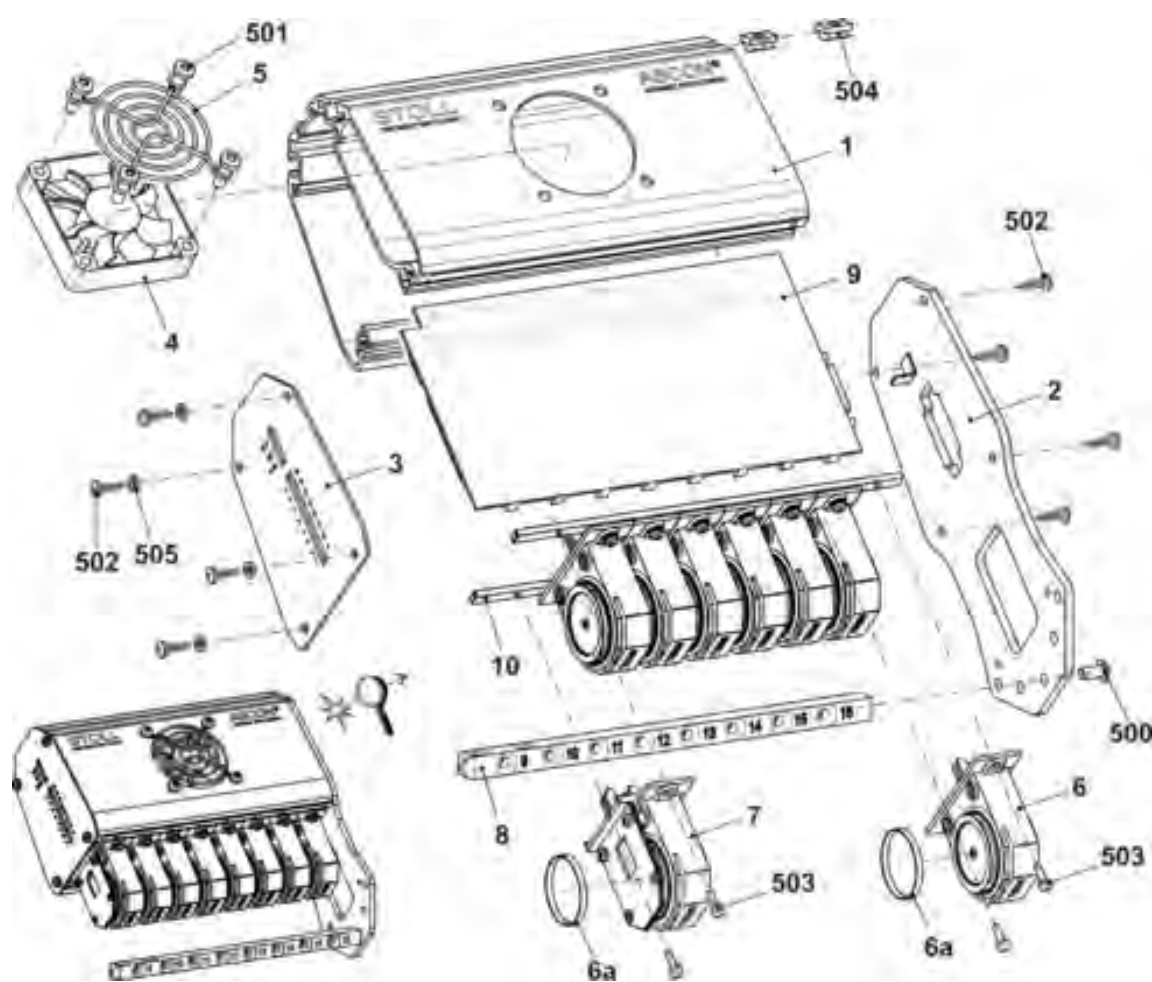
16.8 Yarn length measuring device on the left complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	257 600				
1	Yarn length measuring device on the left complete	257 283		10	Operating instructions of ASCON assembly	259 381
2	Cable ASCON	257 239		500	T-head bolt M8x25	022 866
3	Support on the left	257 122		501	Serrated nut M8-10	023 026
4	Connecting lug on the left	257 137		502	Cap screw M4x8	022 501
5	Adjustment weight	212 241		503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391		504	Cap screw M5x12	020 132
9	Holding plate	258 386		505	Washer5	020 871



16.8.1 Yarn length measuring device

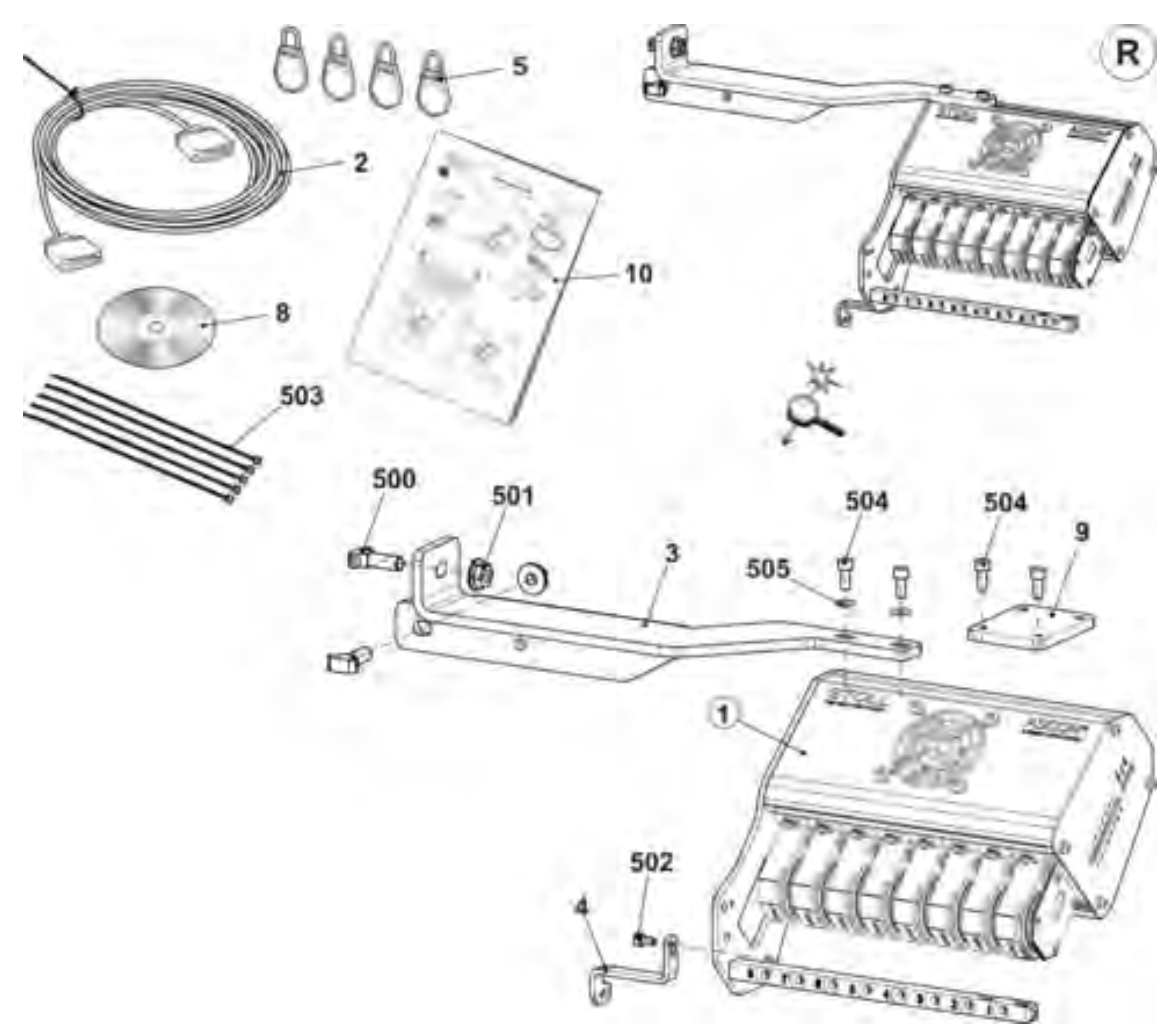
Pos	Designation		Id		Pos	Designation		Id
Σ	Yarn length measuring device on the left complete		257 283		8	Yarn guide rod		257 139
1	Housing		257 281		9	Card Ascon		255 000
2	Support		257 278		10	Threaded strip		257 138
3	Cover		257 273		500	Pan-head screw M5x10		023 247
4	Fan with plug		257 048		501	Screw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



16.9 Yarn length measuring device on the right complete

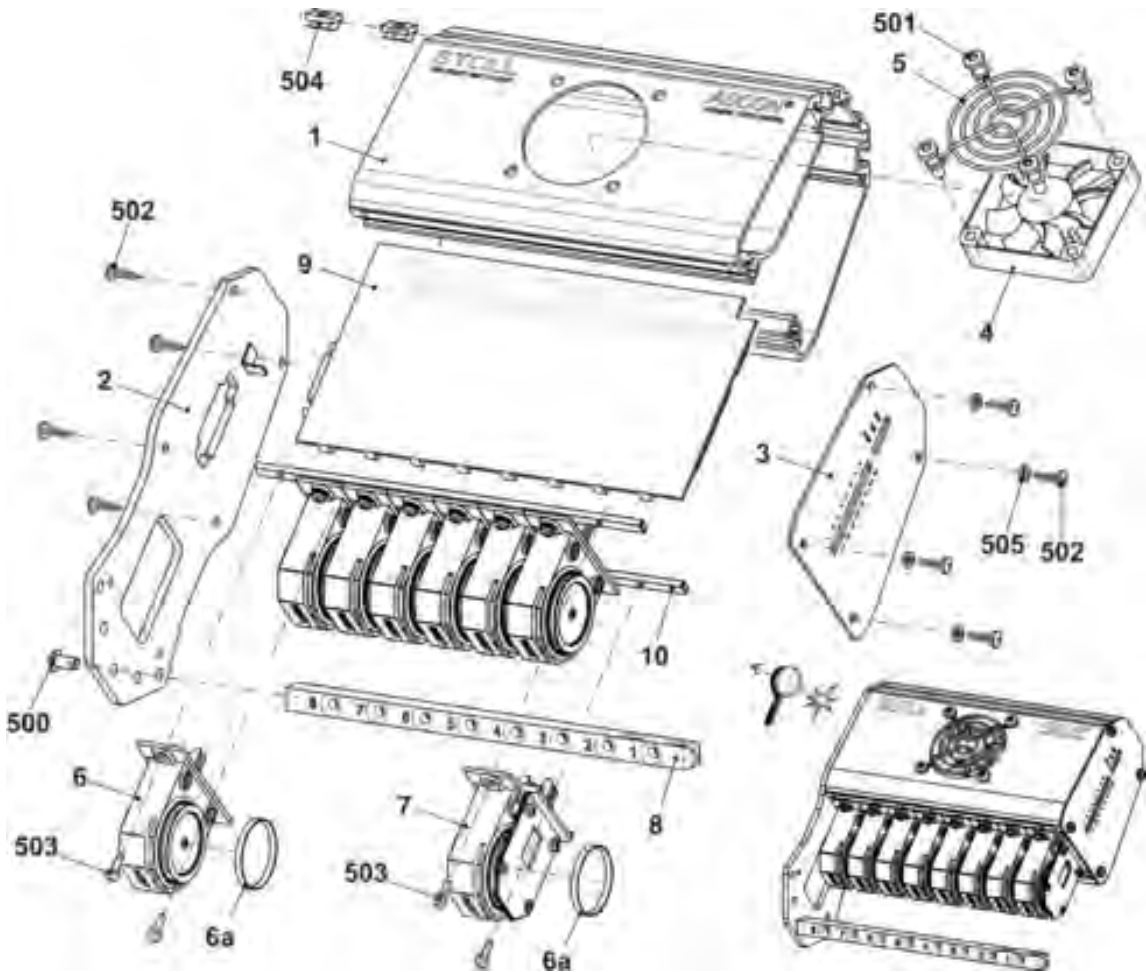
16.9 Yarn length measuring device on the right complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 599				
1	Yarn length measuring device on the right complete	257 282		10	Operating instructions of ASCON assembly	259 381
2	Cable ASCON	257 239		500	T-head bolt M8x25	022 866
3	Support right	257 121		501	Serrated nut M8-10	023 026
4	Connecting lug on the right	257 136		502	Cap screw M4x8	022 501
5	Adjustment weight	212 241		503	Cable tape 302x4,8	008 642
8	DVD with operating instructions	258 391		504	Cap screw M5x12	020 132
9	Holding plate	258 386		505	Washer5	020 871



16.9.1 Yarn length measuring device on the right

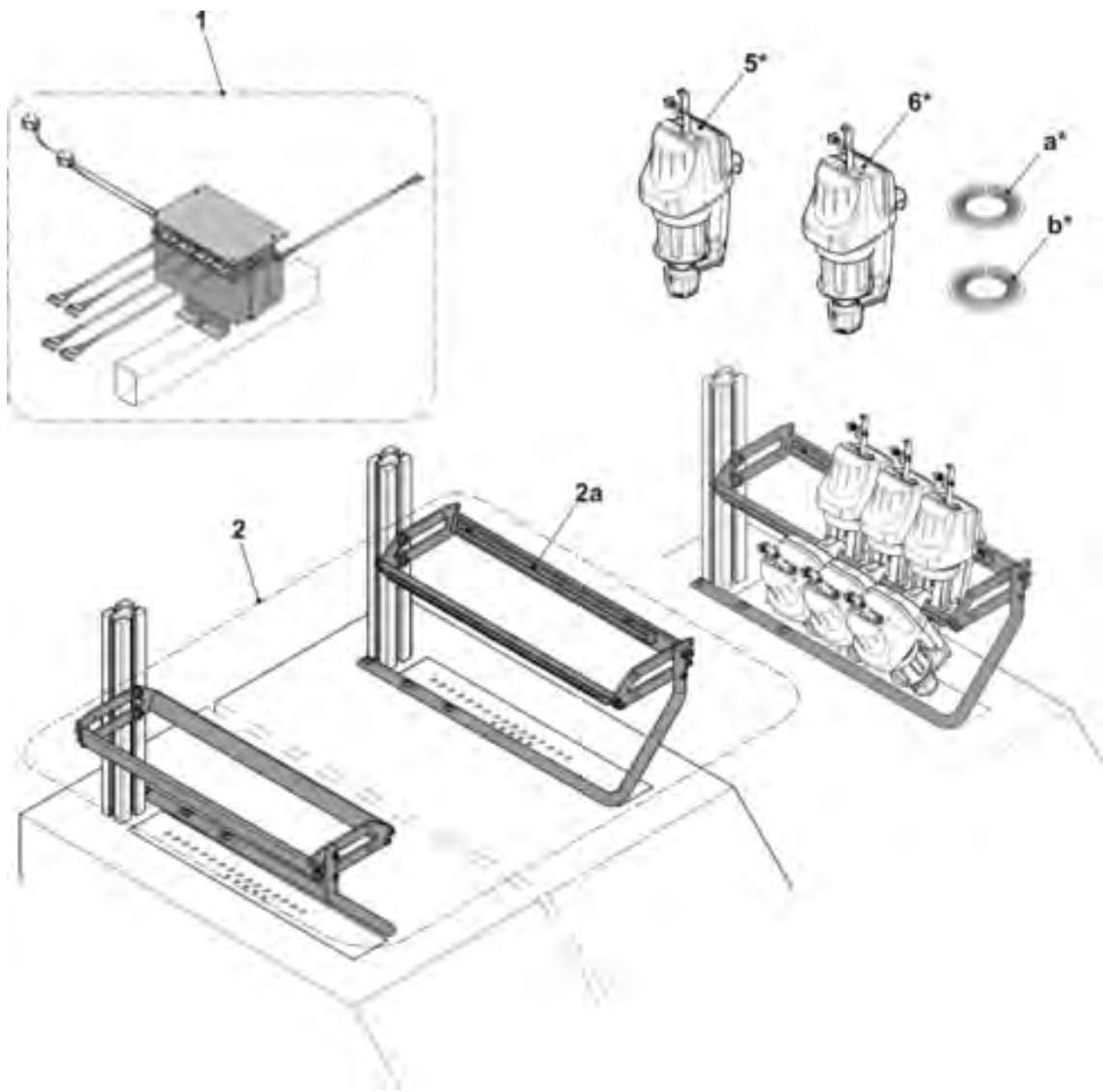
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 282		8	Yarn guide rod	257 139
1	Housing	257 281		9	Card Ascon	255 000
2	Support	257 278		10	Threaded strip	257 138
3	Cover	257 273		500	Pan-head screw M5x10	023 247
4	Fan with plug	257 048		501	Screw 50x15	251 728
5	Protective grid fan Servo5	229 142		502	Sheet metal screw ST3,5x13	022 940
6	Sensor	211 354		503	Oval head screw with washer M3x10	023 380
6a	Rubber running ring	258 582		504	Spring nut M5	022 873
7	Sensor complete	212 406		505	Serrated lock washer J3,7	022 554



16.10 Storage feed wheel MSF-3

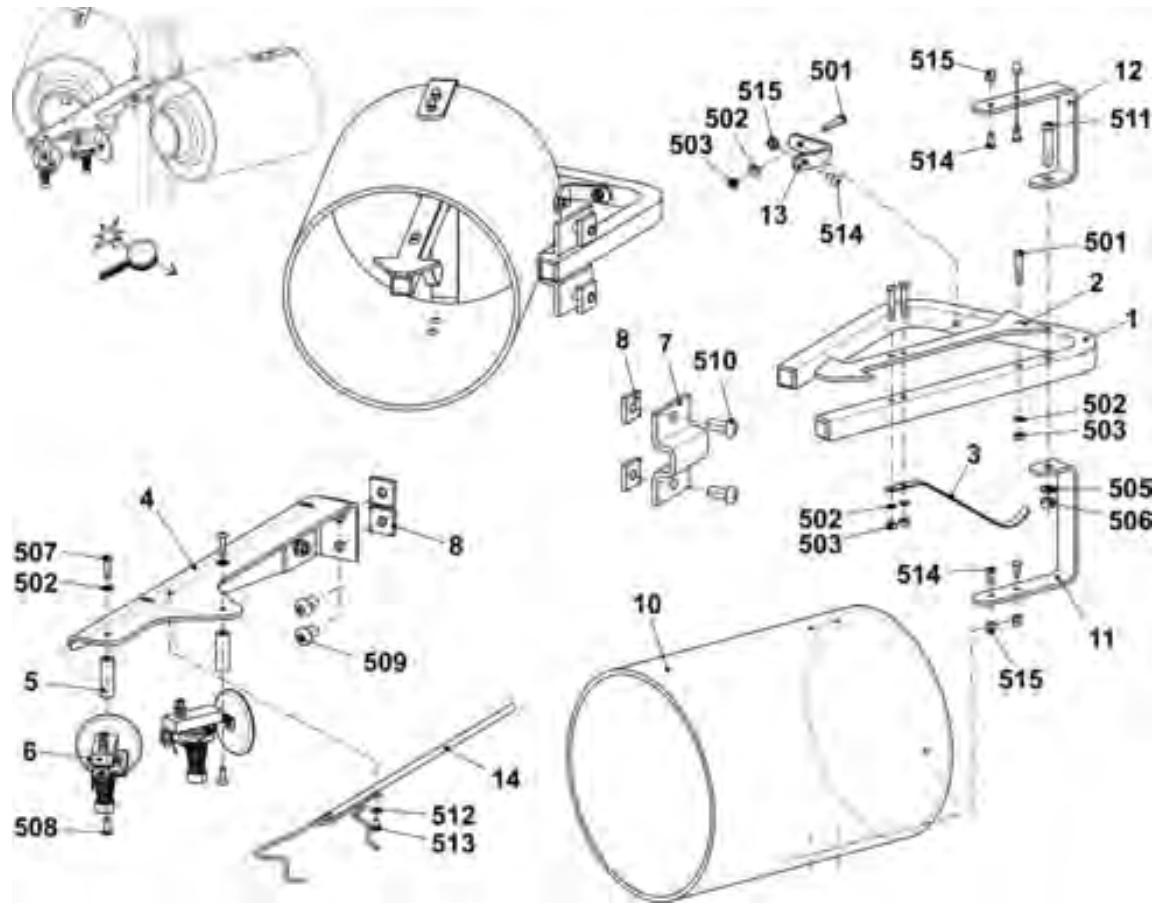
16.10 Storage feed wheel MSF-3

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



16.11 Bobbin holder on the left

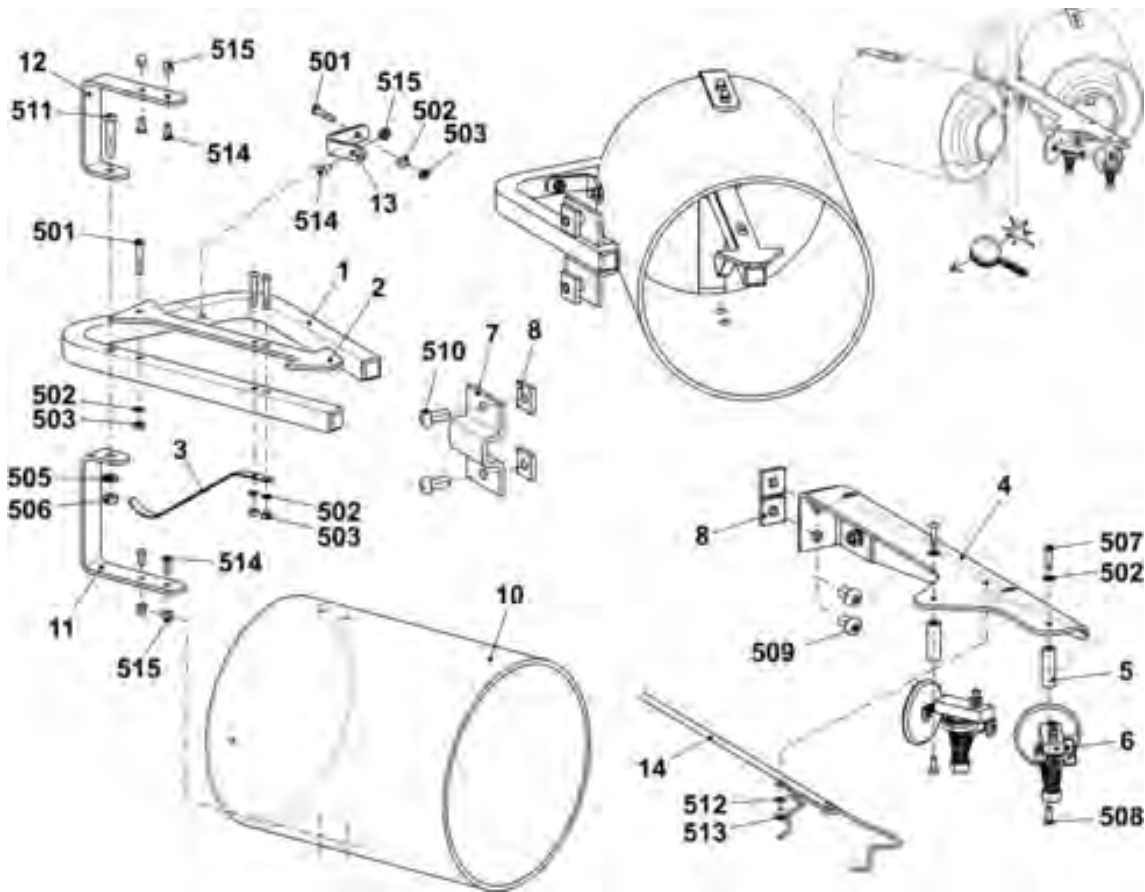
Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the left	253 965	501	Pan head screw M4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899
5	Spacer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



16.12 Bobbin holder on the right

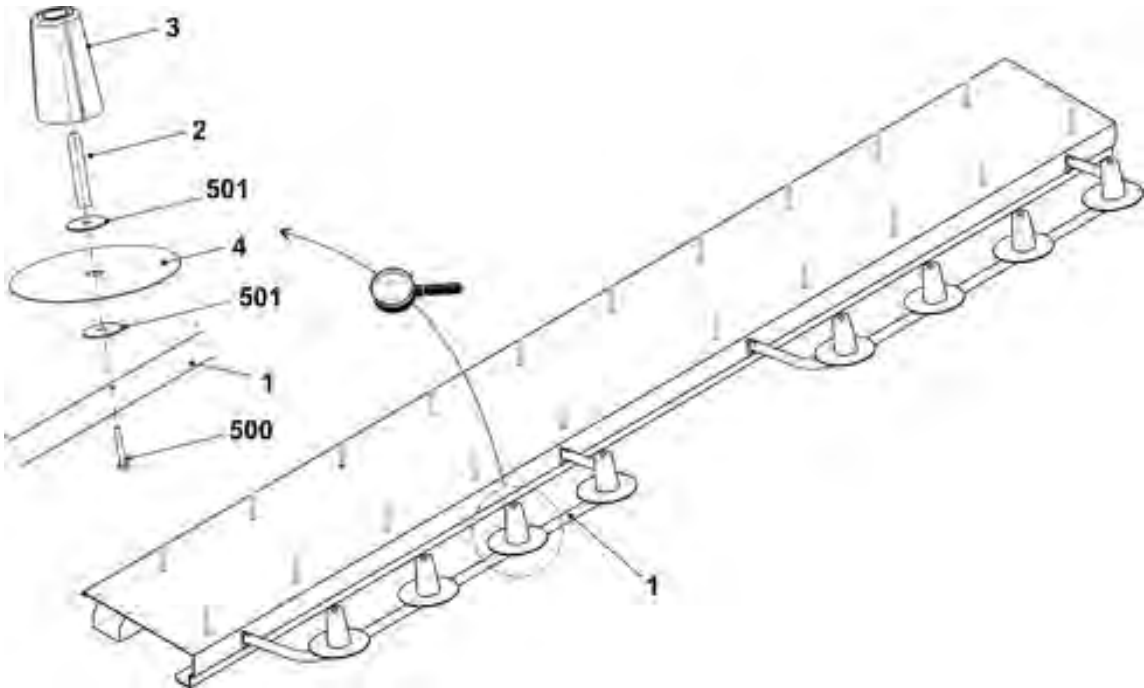
16.12 Bobbin holder on the right

Pos	Designation	ID		Pos	Designation	ID
Σ	Bobbin holder on the right	253 966		501	Pan head screw M4x25	023 511
1	Support	253 969		502	Washer4	022 481
2	Support	252 769		503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350		505	Washer6	022 431
4	Support right	253 348		506	Hexagon nut M6-6	022 899
5	Spacer	253 349		507	Pan head screw M4x16	023 412
6	Yarn detector Massardi	226 964		508	Pan-head screw M4x12	023 062
7	Clamp	228 583		509	Pan head screw M8x16	023 113
8	Slot nut	228 851		510	Pan head screw M8x18	251 331
10	Cover	253 968		511	Pan head screw M6x30	023 451
11	Holding angle	253 964		512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963		513	Pan head screw M4x6	022 946
13	Holding angle	253 967		514	Pan head screw M4x10	023 450
14	Cable plating	253 468		515	Cap nut M4-6	253 805



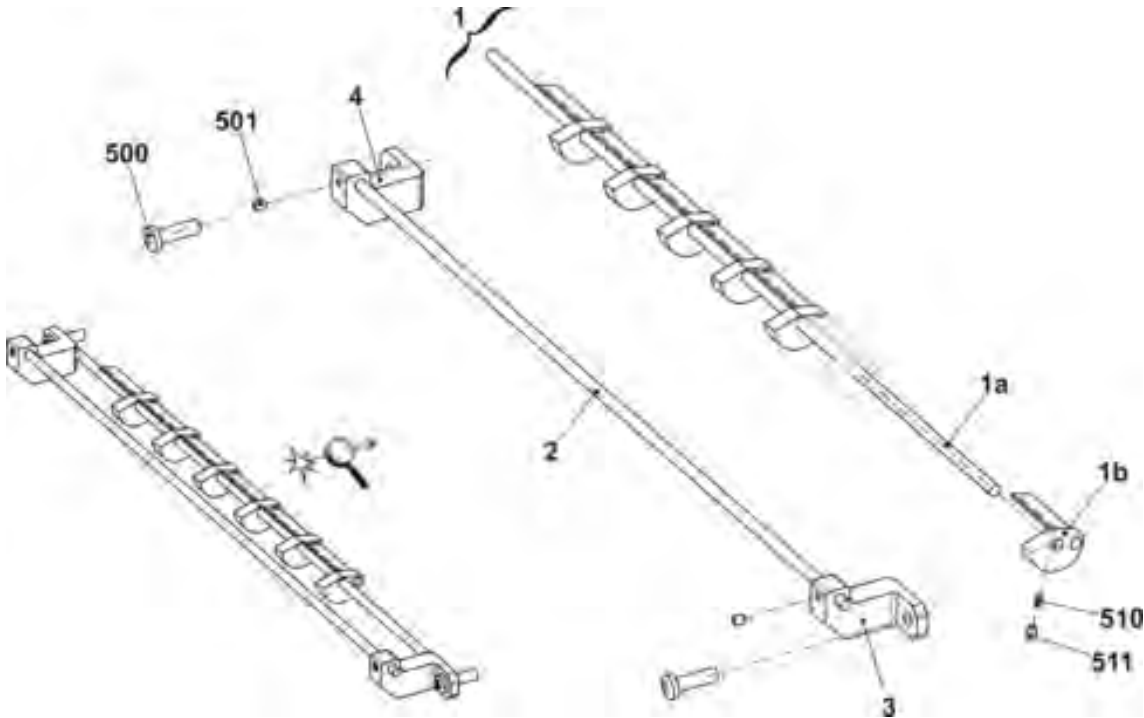
16.13 Additional bobbin board

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



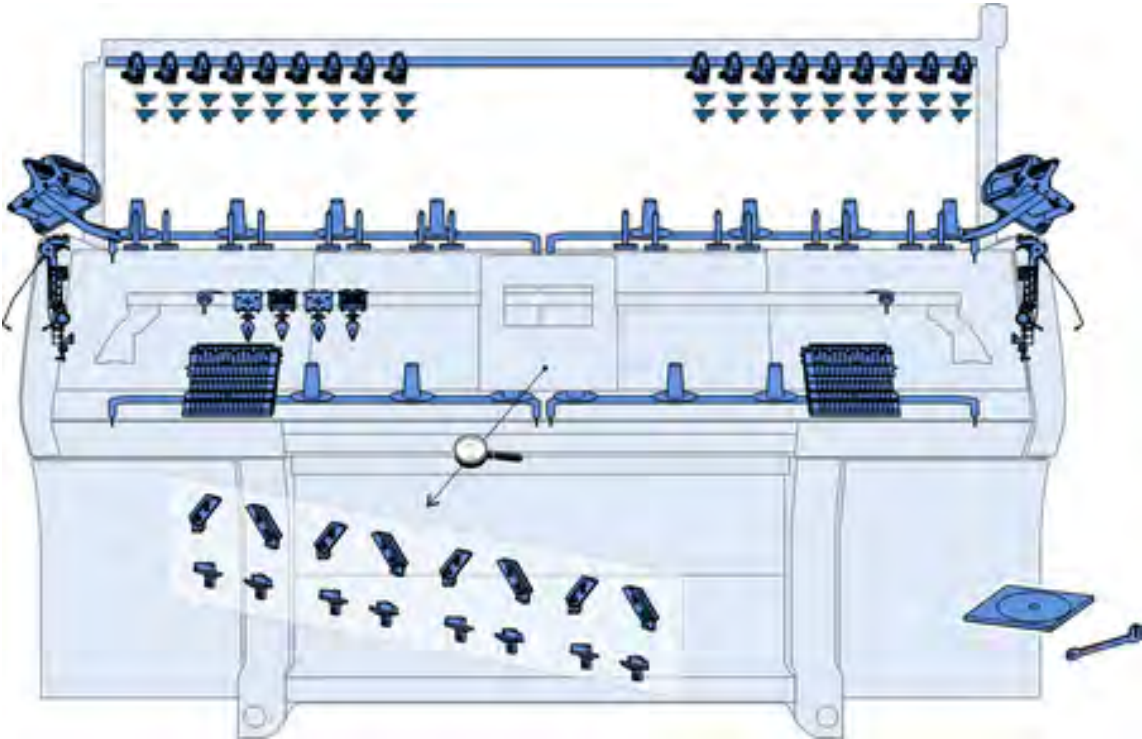
16.14 Sanding Paper Brake

Pos	Designation		Id		Pos	Designation		Id
Σ	Conversion kit sanding paper brake		257 674					
1	Axle complete		257 509		2	Wave		241 318
	1a	Wave	241 318		3	Support sanding paper brake		257 586
	1b	Adjusting part	257 508		4	Support sanding paper brake on the left		257 626
	510	Compression spring 0,32x2,51x14,20	237 444		500	Screw KB 60x20		237 682
	511	Setscrew M4x6	022 955		501	Setscrew M4x5		023 088



17 Conversion kit with 24 and 32 IFF Type 2

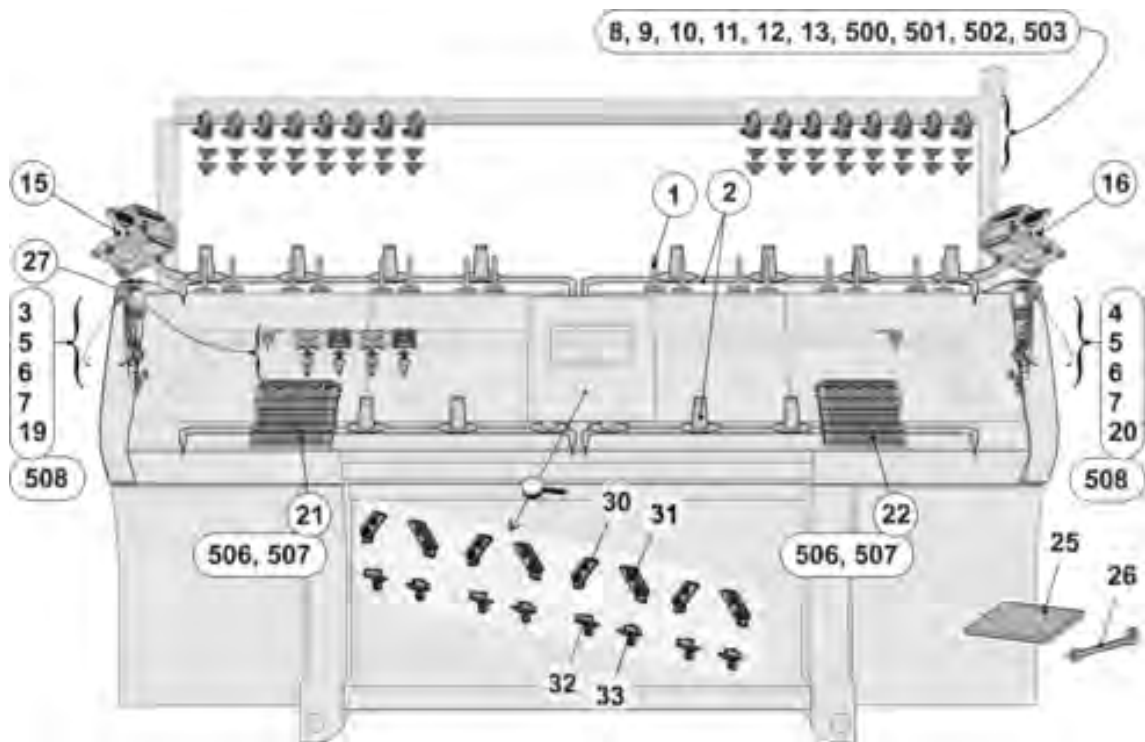
	Designation	ID
24 IFF	Conversion kit 16 IFF E5 E3,5.2 E5.2	257 605
	Conversion kit 24 IFF E7 E8	257 606
32 IFF	Conversion kit 32 IFF E5 E3,5.2 E5.2	257 541
	Conversion kit 32 IFF E7 E8	257 542



17.1 Overview of conversion kit E5 | E3,5.2 | E 5.2

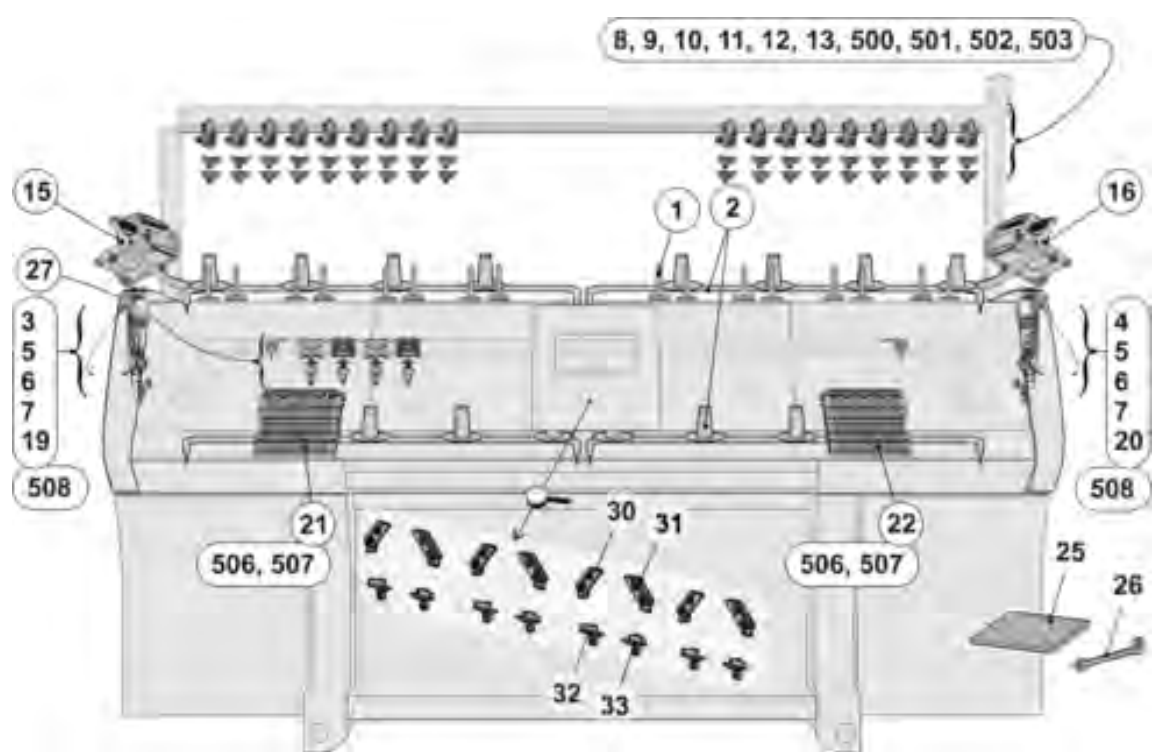
17.1 Overview of conversion kit E5 | E3,5.2 | E 5.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Conversion kit 24 OIFF E5	257 605	20	Deflector on the right complete	259 570
	Conversion kit 32 OIFF E5	257 541	21	Left clamping and cutting bed E5-8	253 653
1	Magnetic holder complete	229 373	22	Clamping and cutting bed on the right E5-8	253 652
2	Additional bobbin board 50" IFF complete	244 424	25	DVD instructions conversion kit IFF	245 169
3	Yarn tensioner on the left complete E5	244 498	26	Adjusting part for yarn carrier bow	250 119
4	Yarn tensioner on the right complete E5	244 501	27	Yarn guide complete E5 IFF 24	256 934
5	Yarn brake complete	244 347		Yarn guide complete E5 IFF 32	245 161
6	Clamping bow	244 409	30	Stitch cam on the left short tuck	212 130
7	Ceramic eyelet	240 640	31	Stitch cam on the right short tuck	212 129
8	Yarn guide bar50"	240 324	32	Pressure part receiving on the left short tuck	240 697
9	Support on the left	243 602	33	Pressure part receiving on the right short tuck	240 698
10	Support on the right	243 603	500	Self-locking screw M6x12	023 415
11	Yarn control unit	237 124	501	Serrated nut M6-10	023 414
12	Yarn guide bracket complete	241 581	502	Square nut M8	023 269
13	Support	239 295	503	Pan head screw M8x16	023 113
15	Friction feed wheel 16 fold on the left complete	244 991	506	Dowel pin 6x16	020 677
16	Friction feed wheel 16 fold on the right complete	244 992	507	Screw M6x20	244 824
19	Deflector on the left complete	259 573	508	Screw KB60x20	237 682



17.2 Overview of conversion kit E7 | E8

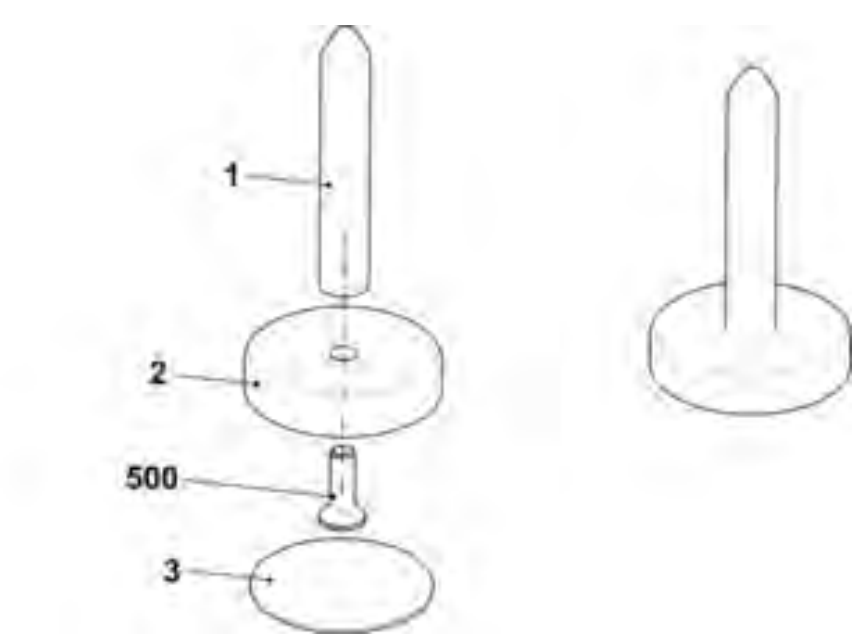
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Conversion kit 24 OIFF E7 E8	257 606	20	Deflector on the right complete	259 570
	Conversion kit 32 OIFF E7 E8	257 542	21	Left clamping and cutting bed E5-8	253 653
1	Magnetic holder complete	229 373	22	Clamping and cutting bed on the right E5-8	253 652
2	Additional bobbin board 50" IFF complete	244 424	25	DVD instructions conversion kit IFF	245 169
3	Yarn tensioner on the left complete E7-8	244 499	26	Adjusting part for yarn carrier bow	250 119
4	Yarn tensioner on the right complete E7-8	244 502	27	Yarn guide complete E7-8 IFF 24	256 935
5	Yarn brake complete	244 347		Yarn guide complete E7-8 IFF 32	245 162
6	Clamping bow	244 409	30	Stitch cam on the left E7-8 short tuck	212 057
7	Ceramic eyelet	240 640	31	Stitch cam on the right E7-8 short tuck	212 056
8	Yarn guide bar50"	240 324	32	Pressure part receiving on the left short tuck	240 697
9	Support on the left	243 602	33	Pressure part receiving on the right short tuck	240 698
10	Support on the right	243 603	500	Self-locking screw M6x12	023 415
11	Yarn control unit	237 124	501	Serrated nut M6-10	023 414
12	Yarn guide bracket complete	241 581	502	Square nut M8	023 269
13	Support	239 295	503	Pan head screw M8x16	023 113
15	Friction feed wheel 16 fold on the left complete	244 991	506	Dowel pin 6x16	020 677
16	Friction feed wheel 16 fold on the right complete	244 992	507	Screw M6x20	244 824
19	Deflector on the left complete	259 573	508	Screw KB60x20	237 682



17.3 Magnet holder

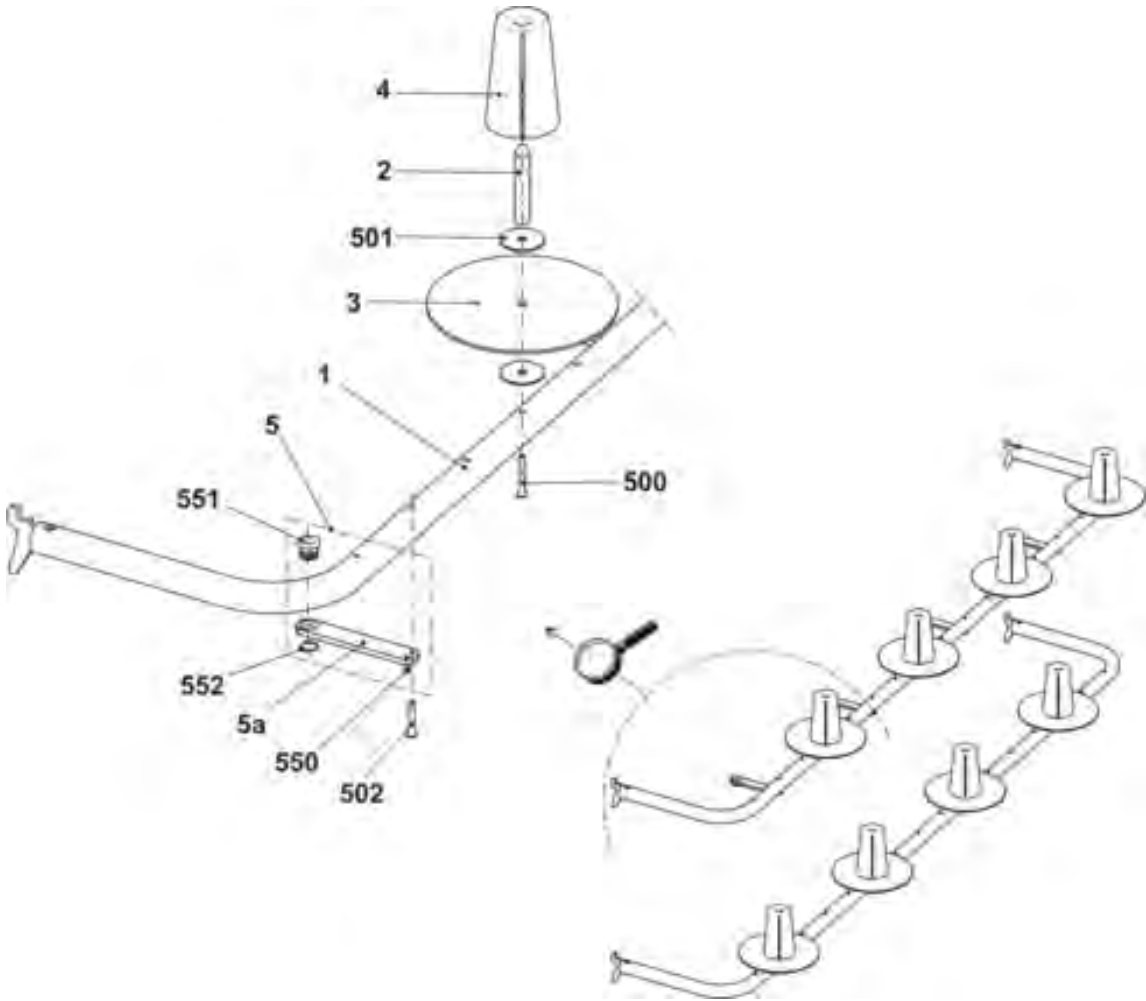
17.3 Magnet holder

Pos	Designation	Id		Pos	Designation	Id
Σ	Magnetic support complete	229 373				
1	Positioning pin	229 345		3	Felt circular blank 37mm	245 165
2	Flat gripper Pg40l	227 311		500	Countersunk head screw M5x16	023 417



17.4 Additional bobbin board (top, bottom)

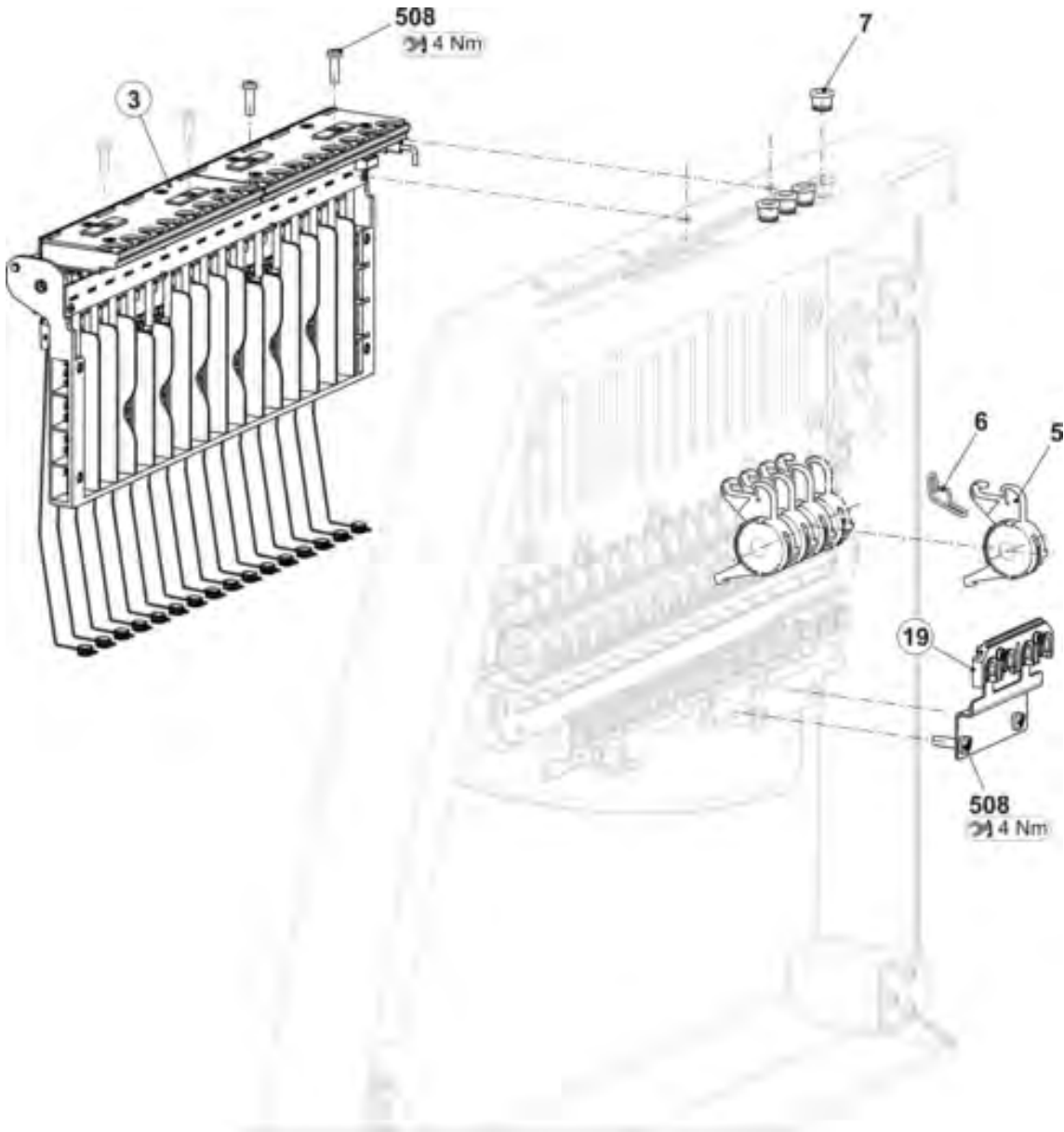
Pos	Designation		Id		Pos	Designation		Id
Σ	Additional bobbin board 50'' IFF complete		244 424					
1	Additional bobbin board welded		243 608		5	550	Dowel pin 3x12	020 647
2	Positioning pin		202 777			551	Eyelet	021 504
3	DiskD=130		062 385			552	Snap ring A12	020 996
4	Bobbin support		200 363		500	Pan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



17.5 Parts for the left safety door

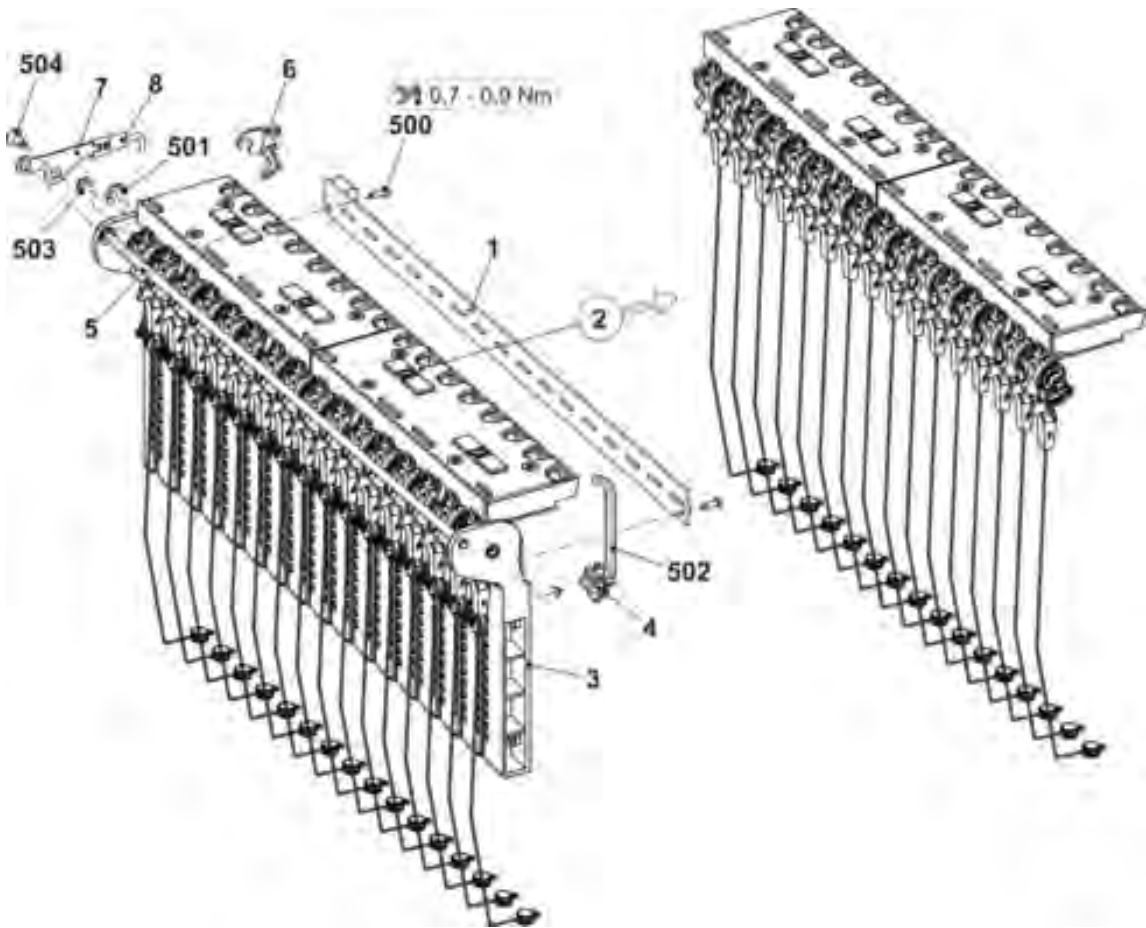
17.5 Parts for the left safety door

Pos	Designation	Id. no.		Pos	Designation	Id. no.
3	Yarn tensioner on the left complete			6	Clamping bow	244 409
	E5 E3,5.2 E5.2	244 498		7	Ceramic eyelet	240 640
	E7 8	244 499		19	Deflector on the left complete	259 573
5	Yarn brake complete	244 347		508	Screw KB60x20	237 682



17.5.1 Yarn tensioner on the left

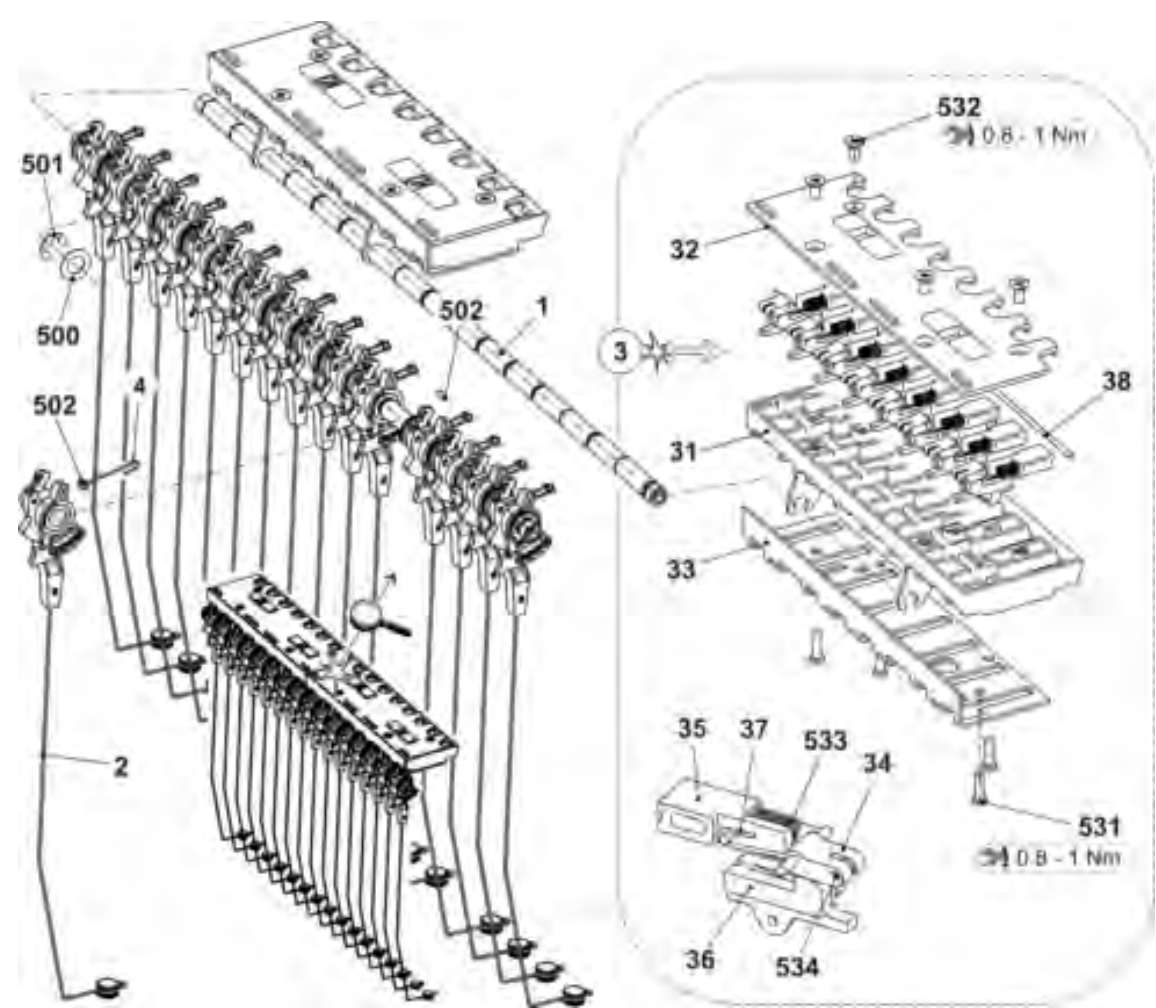
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Yarn tensioner on the left complete					
	E5 E3,5.2 E5.2	244 498		7	Grounding plate of tension axle	243 121
	E7 E8	244 499		8	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the left	241 345		500	Screw KB30x8	236 228
2	Tension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



17.5 Parts for the left safety door

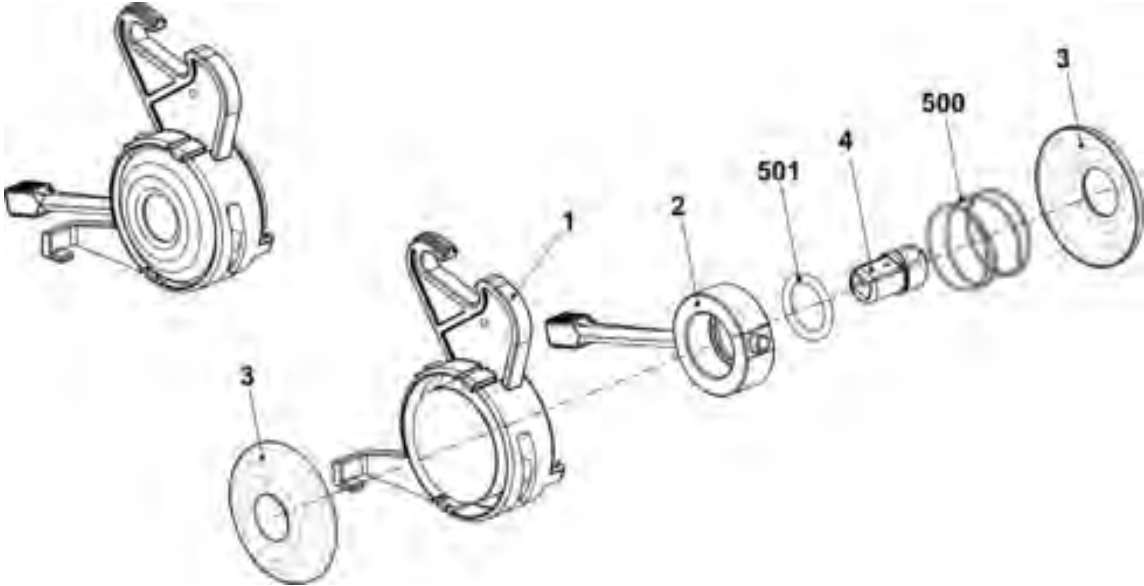
17.5.1.1 Tension axle

Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle completeE3-8	244 494		33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	244 522		34	Lever AKF	238 692
2	Tension arm pre-assembledE3-8	259 448		35	Pressure piece AKF	238 690
4	Wire bow	238 694		36	SliderAKF	238 691
500	Shim ring 8x14x0,5	023 501		37	Wire bow	238 694
501	Circlip	021 022		38	Wire	237 940
502	Grooved pin 2x6	243 172		531	Screw KB 35x12	237 681
3	Thread clamp AKF	238 695		532	Screw KB 40x8	236 227
31	HousingAKF	238 689		533	Compression spring 0,30x4,50x18,50	241 437
32	Cover AKF	237 926		534	Grooved pin 2x6	243 172



17.5.2 Yarn brake

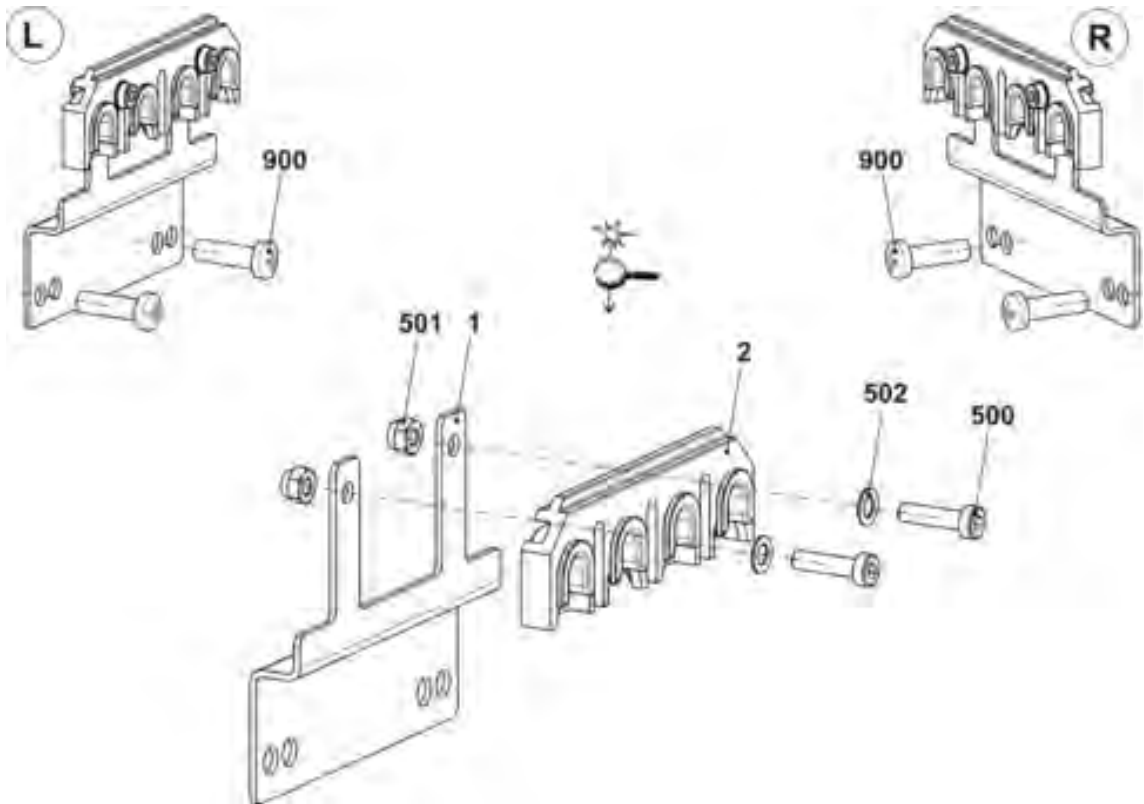
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn brake complete	244 347				
1	Support	240 607		4	Ceramic eyelet open	243 778
2	Slider	240 606		500	Compression spring 0,65x20,15x14,80	241 361
3	Brake disk	244 355		501	O-ring 11x2	241 434



17.5 Parts for the left safety door

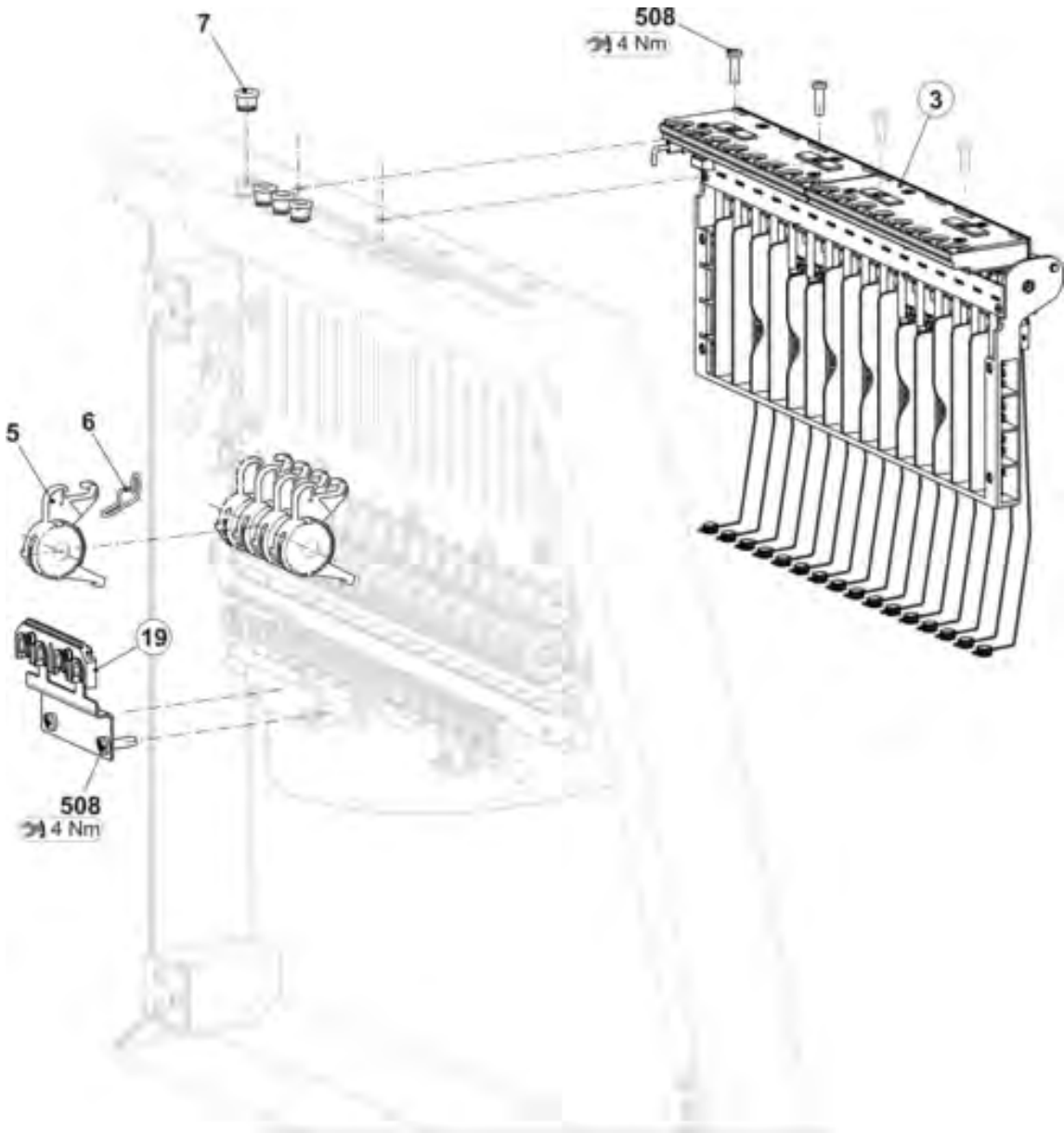
17.5.3 Deflector on the left and on the right

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



17.6 Parts for the right safety door

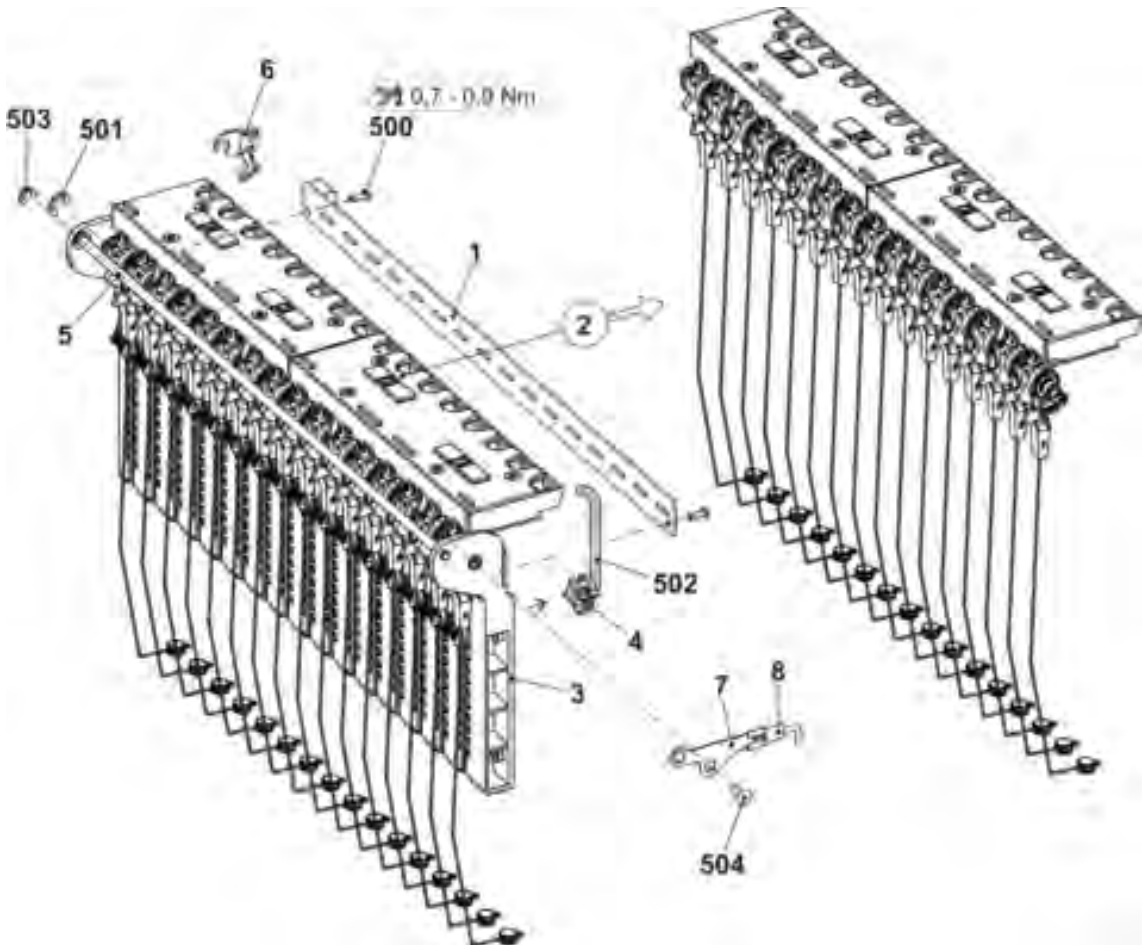
Pos	Designation	Id. no.		Pos	Designation	Id. no.
4	Yarn tensioner on the right complete					
	E5 E3,5.2 E5.2	244 501		7	Ceramic eyelet	240 640
	E7 E8	244 502		9	Stop bar on the right complete	258 562
5	Yarn brake complete	244 347		20	Deflector on the right complete	223 049
6	Clamping bow	244 409		508	Screw KB60x20	237 682



17.6 Parts for the right safety door

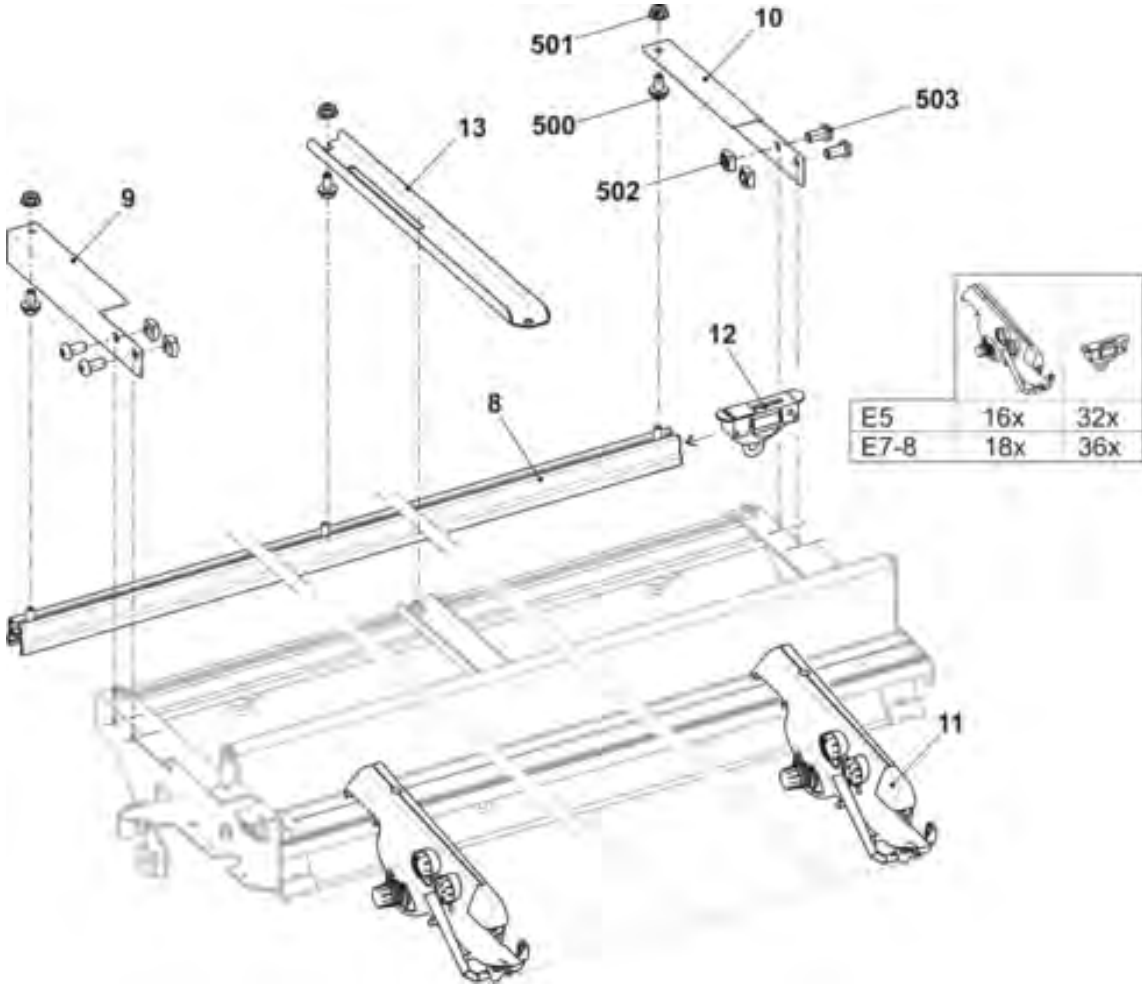
17.6.1 Yarn tensioner on the right

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the right complete					
	E5 E2,5.2 E3,5.2 E5.2	244 501		7	Grounding plate of tension axle	243 121
	E7 E8	244 502		8	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the right	241 346		500	Screw KB30x8	236 228
2	Tension axle completeE3-8	244 494		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5,05x0,55x53 (E3-5)	023 502
4	Slider	241 694			Tension spring 4,9x0,5x53 (E7-8)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x10	241 914



17.7 Parts for the yarn guide system

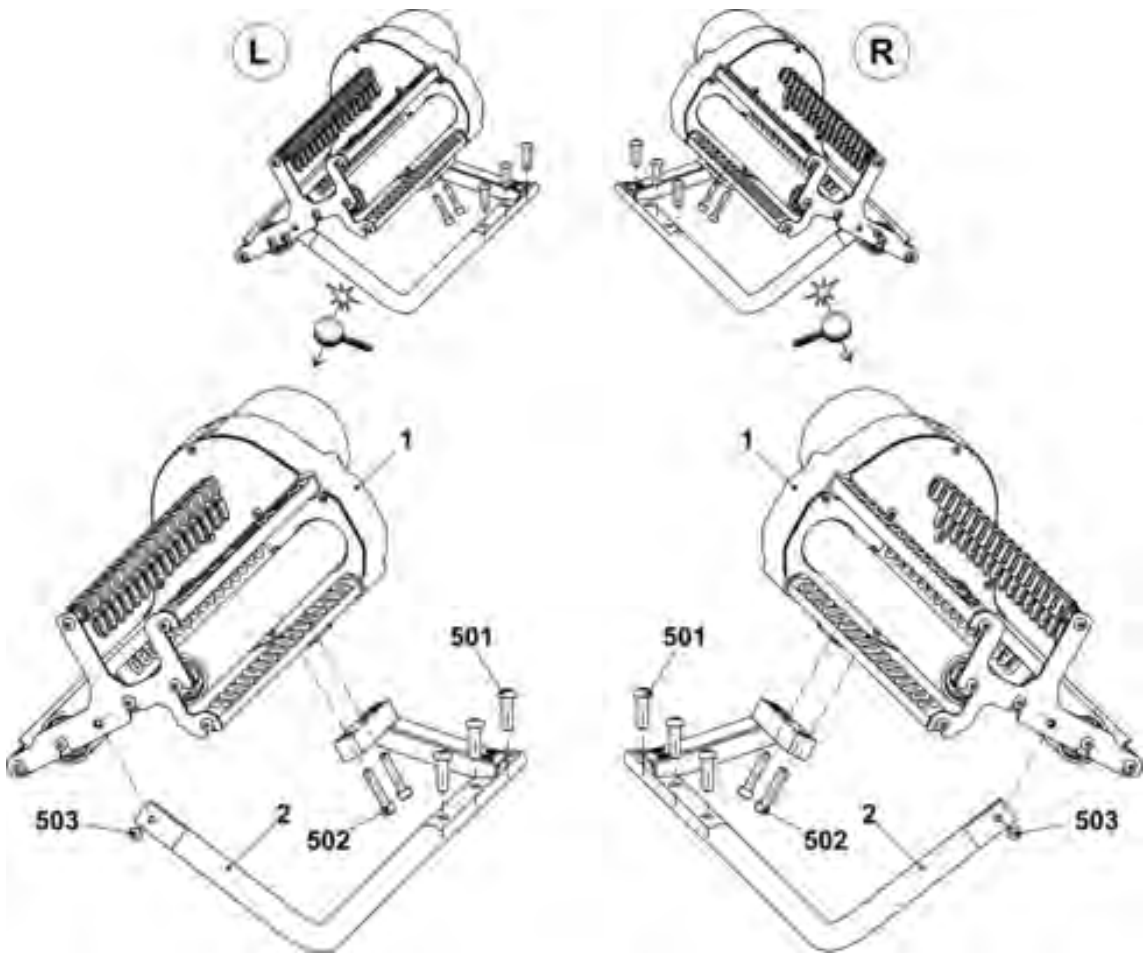
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Parts for the yarn guide system					
8	Yarn guide bar	240 324		13	Support	239 295
9	Support on the left	243 602		500	Self-locking screw M6x12	023 415
10	Support on the right	243 603		501	Serrated nut M6-10	023 414
11	Yarn control unit	237 124		502	Square nut M8	023 269
12	Yarn guide bracket complete	241 581		503	Pan head screw M8x16	023 113



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

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

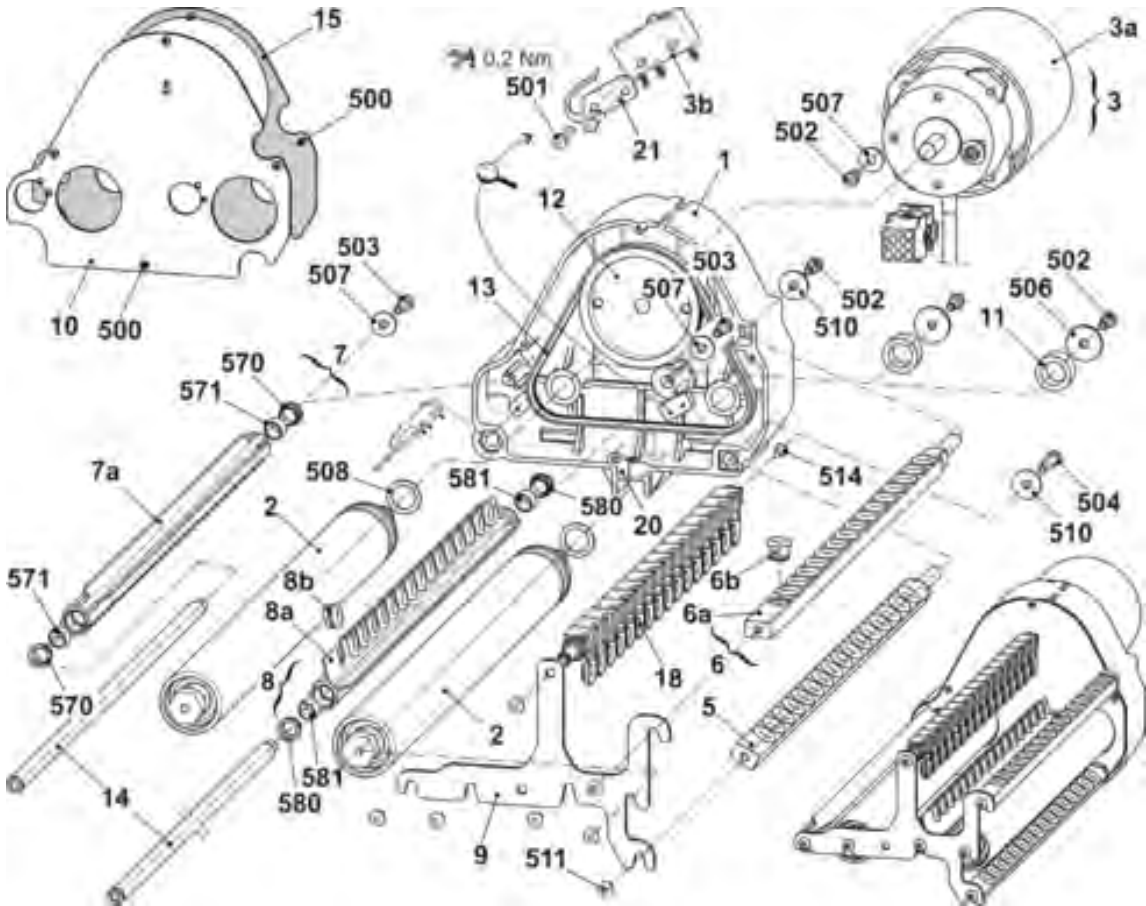
Pos	Designation	Id		Pos	Designation	Id
ΣL	Friction feed wheel 16 fold on the left complete	244 991		ΣR	Friction feed wheel 16 fold on the right complete	244 992
1	Friction feed wheel on the left	244 185		1	Friction feed wheel on the right	244 186
2	Support on the left	243 869		2	Support right	244 142
501	Pan head screw M8x25	023 027		501	Pan head screw M8x25	023 027
502	Cap screw M6x30	020 138		502	Cap screw M6x30	020 138
503	Pan head screw M5x8	239 408		503	Pan head screw M5x8	239 408



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

17.8.1 Friction feed wheel on the left

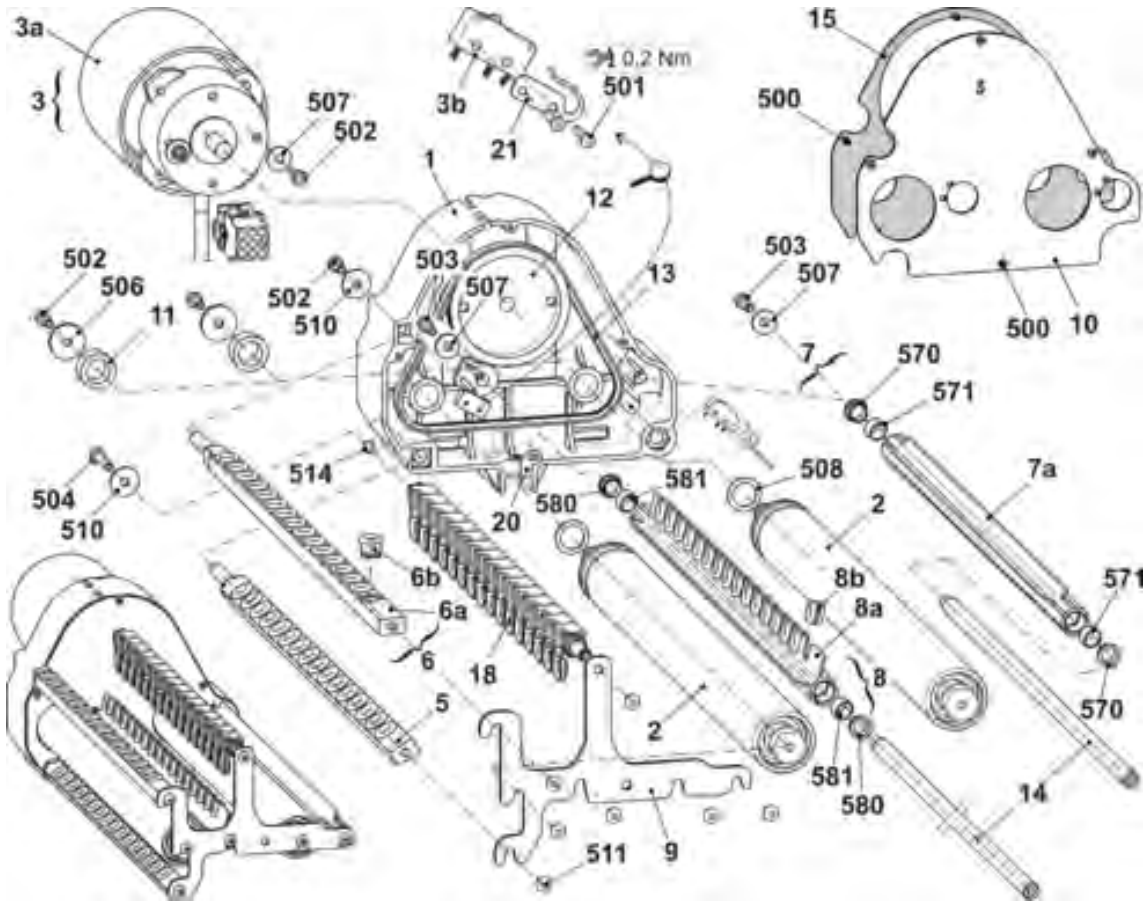
Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the left complete	244 185	10	Cover	251 098
1	Housing	240 368	11	Bush	221 391
2	Friction roller complete	243 860	12	V-ribbed belt pulley	221 268
3	Three-phase AC motor 3x42V complete	219 800	13	Ribbed V-belt	206 927
3a	Three-phase AC motor	220 161	14	Rod	243 868
3b	Microswitch	008 664	15	Cover	230 758
5	Yarn guide rod 16-fold complete	244 576	18	Deflector complete 16-fold	250 102
6	Yarn guide rod 16-fold complete	244 578	20	Grounding plate	256 622
6a	Yarn guide rod 16-fold	244 577	21	Spring plate	256 702
6b	Ceramic eyelet	240 640	500	Screw KB30x8	236 228
7	Stop motion rail on the right complete	243 863	501	Screw M20x10	244 736
7a	Stop motion rail on the right	243 864	502	Cap screw M5x12	020 132
570	Slide bearing GFM-101214-07	023 627	503	Cap screw M5x16	022 726
571	Guide piece	259 453	504	Cap screw M5x25	023 523
8	Stop motion rail on the left complete	243 865	506	Washer5,3x22x2,5	023 219
8a	Stop motion rail on the left	243 866	507	Washer5	020 901
8b	Eyelet	230 662	508	Shim ring 15x21x1	023 216
580	Slide bearing GFM-101214-07	023 627	510	Washer5	023 542
581	Guide piece	259 453	511	Pan head screw M5x8	239 408
9	Bracket	251 113	514	Pan head screw M4x8	023 579



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

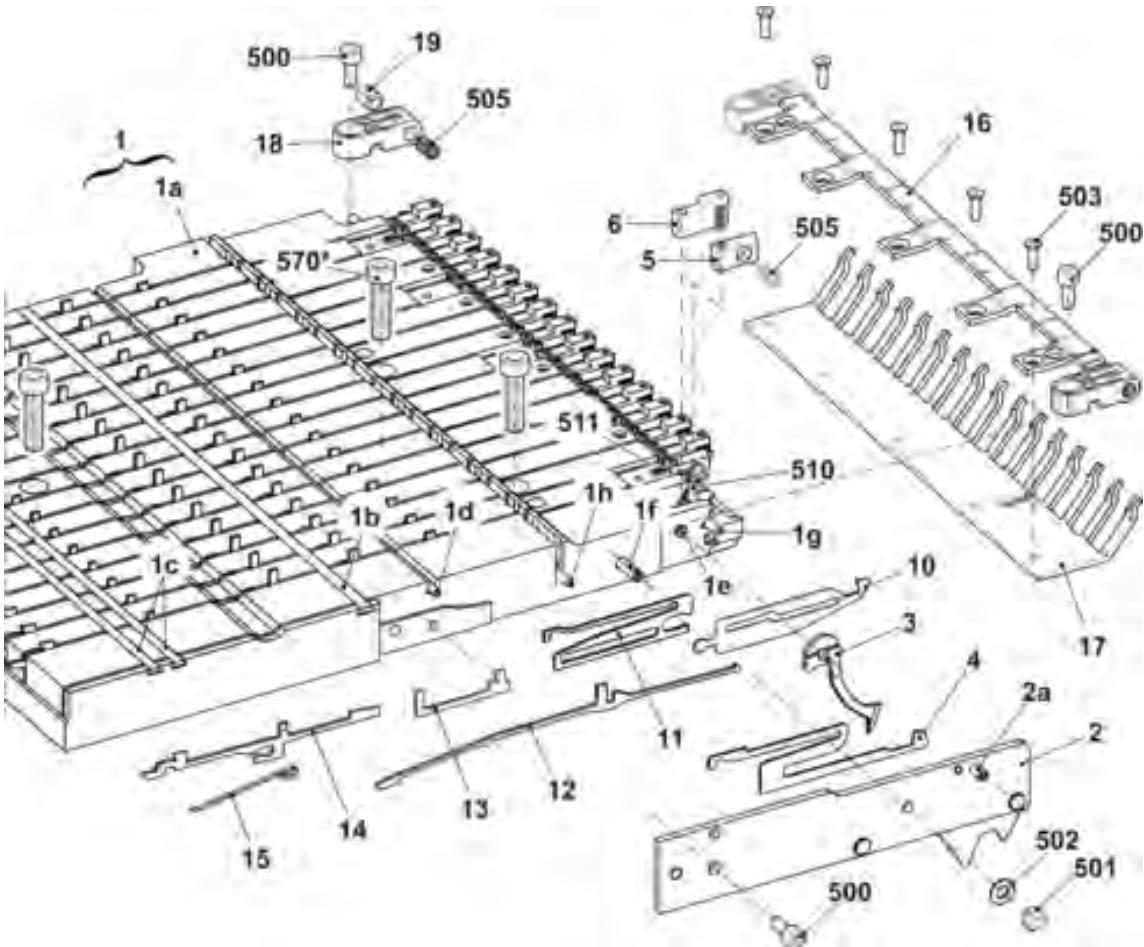
17.8.2 Friction feed wheel on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the right complete	244 186	10	Cover	251 098
1	Housing	240 368	11	Bush	221 391
2	Friction roller complete	243 860	12	V-ribbed belt pulley	221 268
3	Three-phase AC motor 3x42V complete	219 800	13	Ribbed V-belt	206 927
	3a Three-phase AC motor	220 161	14	Rod	243 868
	3b Microswitch	008 664	15	Cover	230 758
5	Yarn guide rod 16-fold complete	244 772	18	Deflector complete 16-fold	250 102
6	Yarn guide rod 16-fold complete	244 578	20	Grounding plate	256 622
	6a Yarn guide rod 16-fold	244 577	21	Spring plate	256 702
	6b Ceramic eyelet	240 640	500	Screw KB30x8	236 228
7	Stop motion rail on the right complete	243 863	501	Screw M20x10	244 736
	7a Stop motion rail on the right	243 864	502	Cap screw M5x12	020 132
	570 Slide bearing GFM-101214-07	023 627	503	Cap screw M5x16	022 726
	571 Guide piece	259 453	504	Cap screw M5x25	023 523
8	Stop motion rail on the right complete	244 530	506	Washer5,3x22x2,5	023 219
	8a Stop motion rail on the right	244 531	507	Washer5	020 901
	8b Eyelet	230 662	508	Shim ring 15x21x1	023 216
	580 Slide bearing GFM-101214-07	023 627	510	Washer5	023 542
	581 Guide piece	259 453	511	Pan head screw M5x8	239 408
9	Bracket	251 113	514	Pan head screw M4x8	023 579



17.9 Left clamping and cutting bed

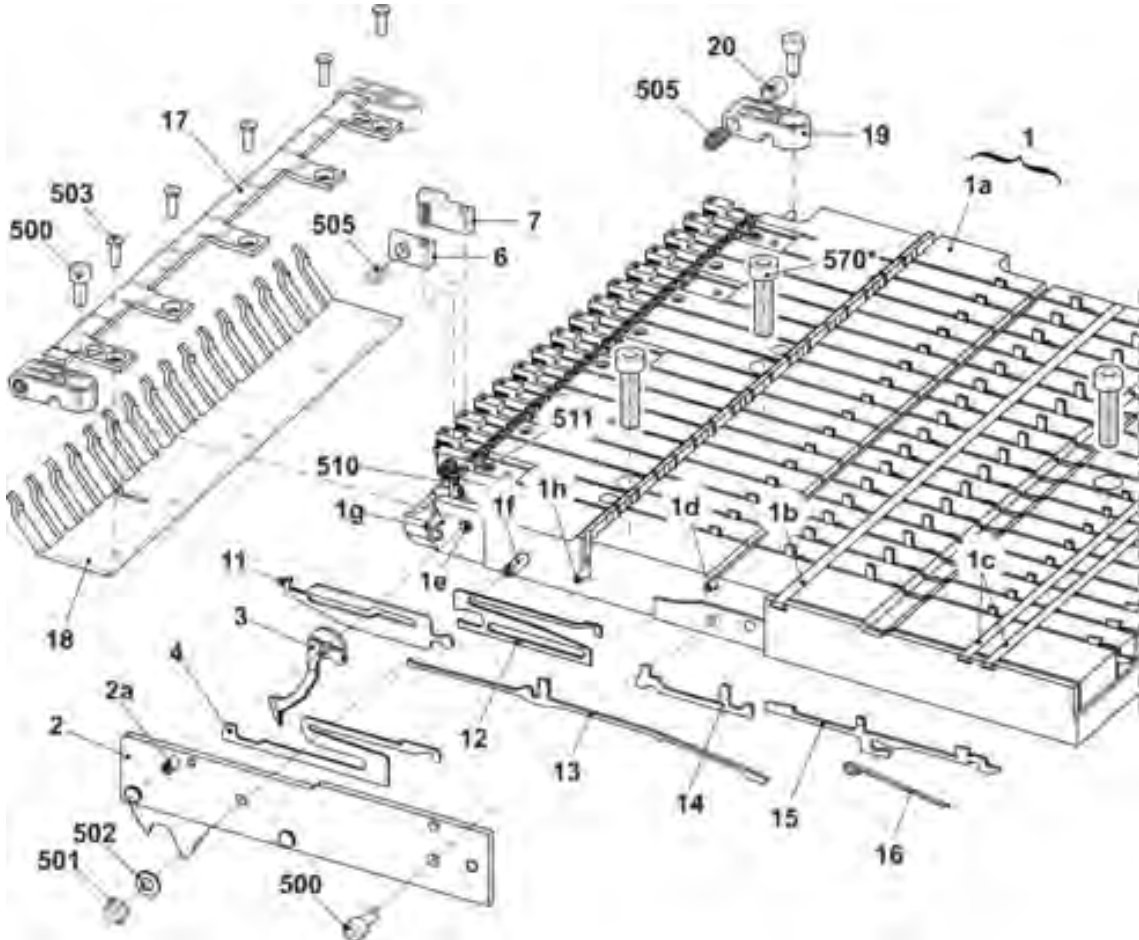
Pos	Designation		Id	Pos	Designation		Id
Σ	Left clamping and cutting bed E5-8		253 653	6	Clamp on the left complete		244 633
1	Guide plate on the left E5-14		257 236	10	Catch needle on the left E5-8		244 729
	1a	Guide plate on the left E5-14	257 232	11	Intermediate cam E10-14		244 591
	1b	Cover rail	243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



17.10 Clamping and cutting bed on the right

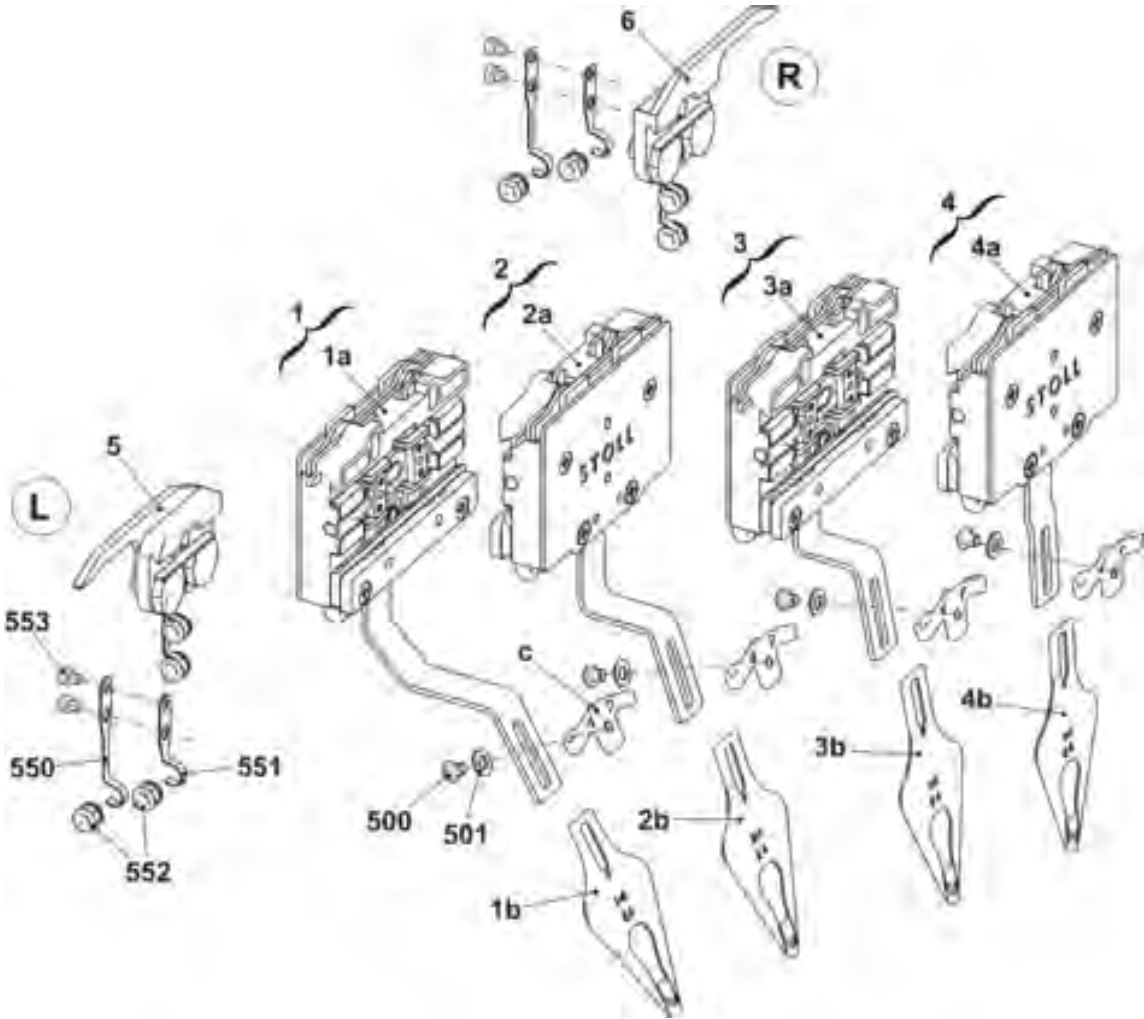
17.10 Clamping and cutting bed on the right

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



17.11 Yarn guide complete IFF E5 | E3.5.2 | E5.2

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Yarn guide complete IFF 24 E5	256 934				
	Yarn guide complete IFF 32 E5	245 161				
1	IFF carriage complete 1+8 E5	259 732		5	Limiter on the left with two eyelets	244 446
	1a IFF carriage 1+8	259 728			550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E5	244 076			551 Eyelet holder complete	022 323
2	IFF carriage complete 2+7 E5	259 733			552 Eyelet 4,2	021 499
	2a IFF carriage 2+7	259 729			553 Cap screw M3,5x4	020 011
	2b Yarn carrier head 2+7 complete E5	244 077		6	Limiter on the right with two eyelets	244 445
3	IFF carriage complete 3+6 E5	259 734		c	Yarn guide angle	242 863
	3a IFF carriage 3+6	259 730		500	Pan-head screw M4x5	239 549
	3b Yarn carrier head 3-6 complete E5	244 078		501	Washer4	020 870
4	IFF carriage complete 4+5 E5	259 735				
	4a IFF carriage 4+5	259 731				
	4b Yarn carrier head 3-6 complete E5	244 078				



17.12 Yarn guide complete IFF E7 | E8

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

