

Spare-parts catalog

CMS 740 (Type 630)

Component type 000

E5|E7|E8|E10|E12|E14|E16|E18|E5m.4|E7m.5|E7m.8|E8m.7|E12m.10|E2,5.2|E3,5.2|E5.2|
E6.2|E7.2

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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.

The indications of this catalog are without liability.

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Fax: +49 7121 313-347

e-mail: spareparts@stoll.com

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.

Please use the order form!

Only genuine STOLL spare parts may be used for repairs.

1.1 Order form

Telefon +49 (7121) 313-289
Telefax +49 (7121) 313-347
e-mail: spareparts@stoll.com

H. Stoll GmbH & Co. KG
PO box 2544

D-72715 Reutlingen

Order number:

Request date

Copyright ©

Heartbeats

—S—

Financial code: 110000

Findings

Feb

Customer No. _____

Sleeping mode

Date of print

Machine type

L-001294

Maximum no.

Sim: no

Spare parts order

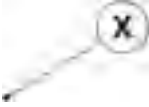
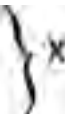
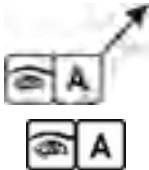
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Date: _____

Signature _____

1.2 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.

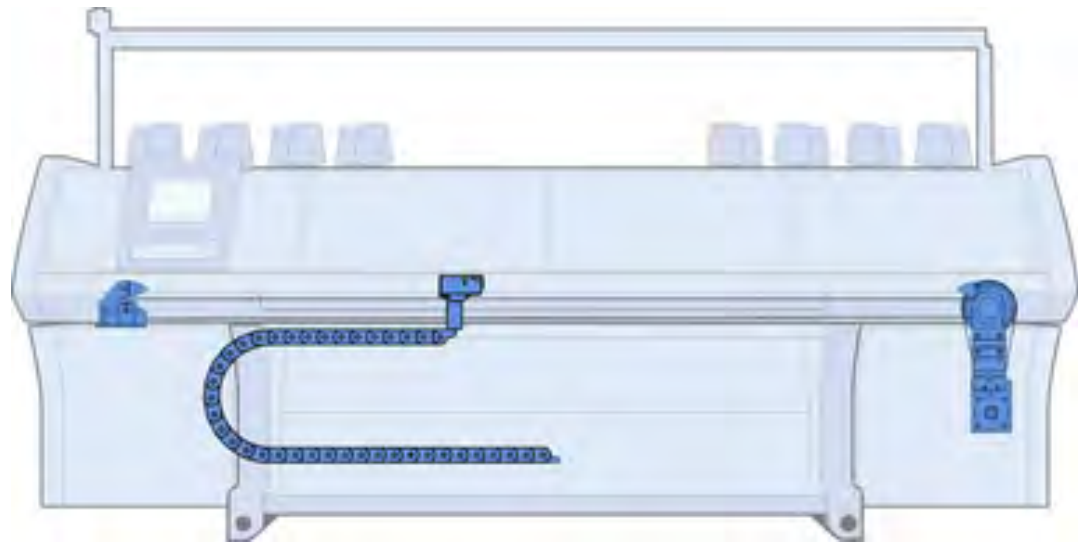
1.3 Torques

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

Preferential row of screw torques

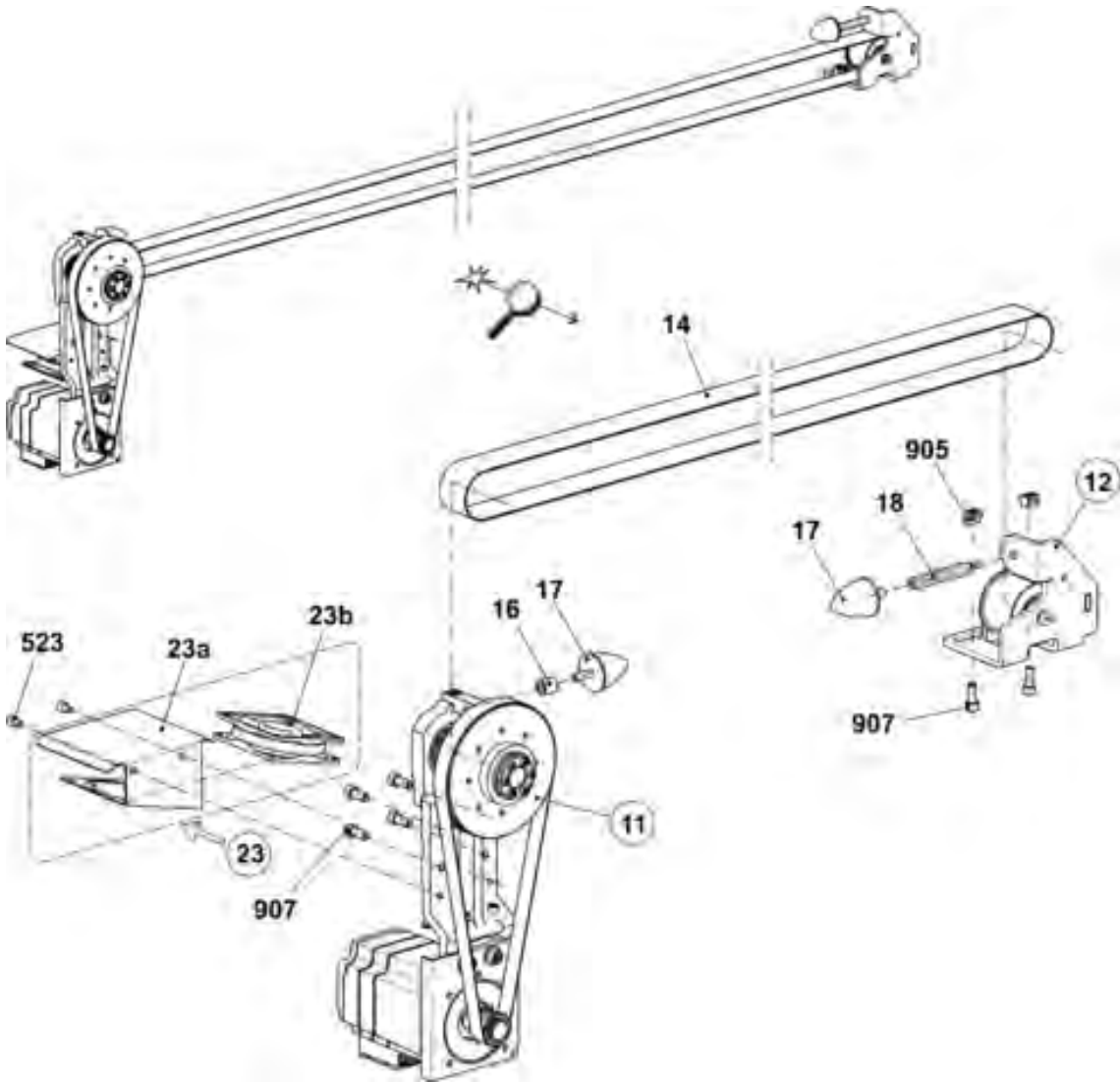
- Torques are valid for:
Connection steel-steel, black, phosphatized, galvanized, rolled or cut thread as well as only for plain (head) supports.
- Torques are valid for:
protected screws with: lock washers, rib heads, coated and clamping screws and nuts. They are also not used for self-grooving threads.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

2 Carriage drive



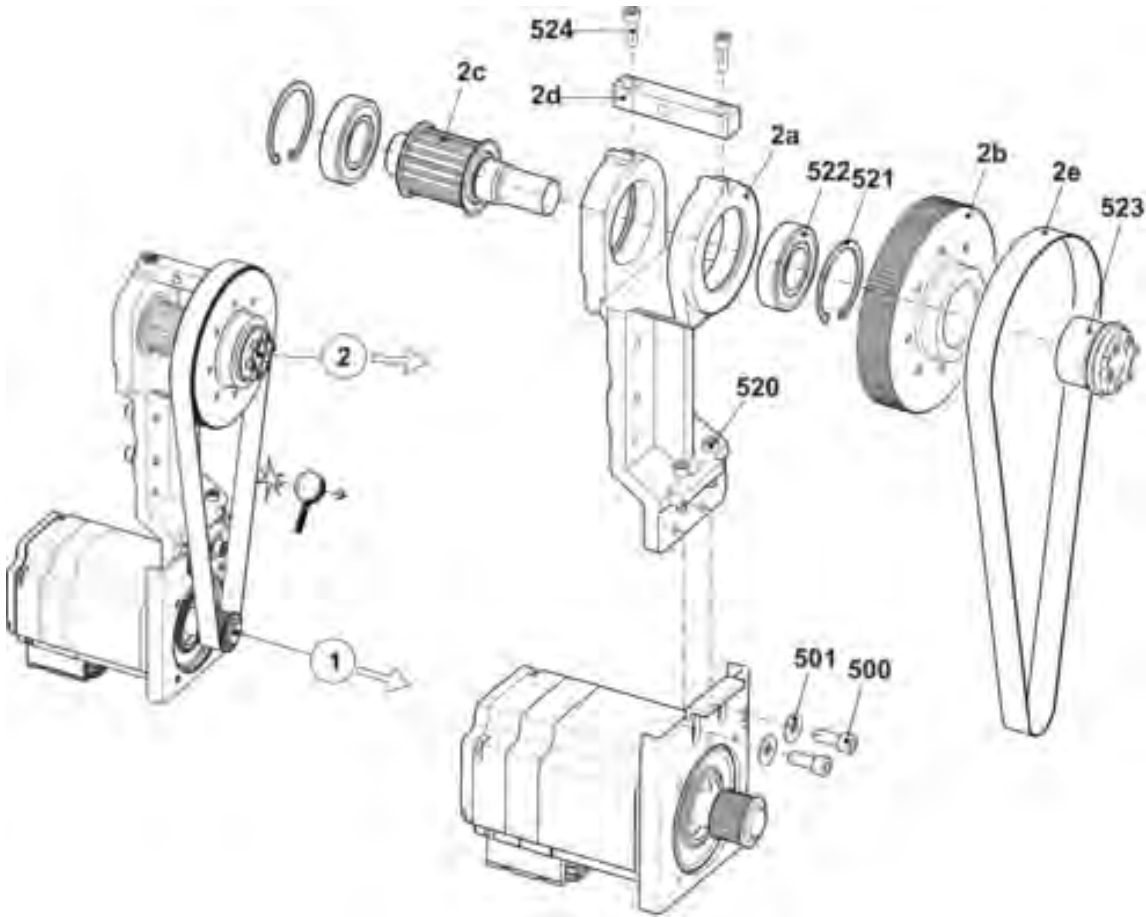
2.1 Drive

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive unit				
11	Drive unit complete	240 743	23	Ventilator complete	242 413
12	Tension bearing complete	251 581	23a	Ventilator plate drive motor	241 823
14	Toothed belt 50AT10/6370	253 850	23b	Ventilator	213 722
16	Distance pipe	222 099	523	Cap screw M8X12	023 138
17	Parabolic spring	200 661	905	Slide nut M10X12	023 471
18	Hexagon bolt	214 275	907	Cap screw M10x25	020 157



2.1.1 Motor and belt drive

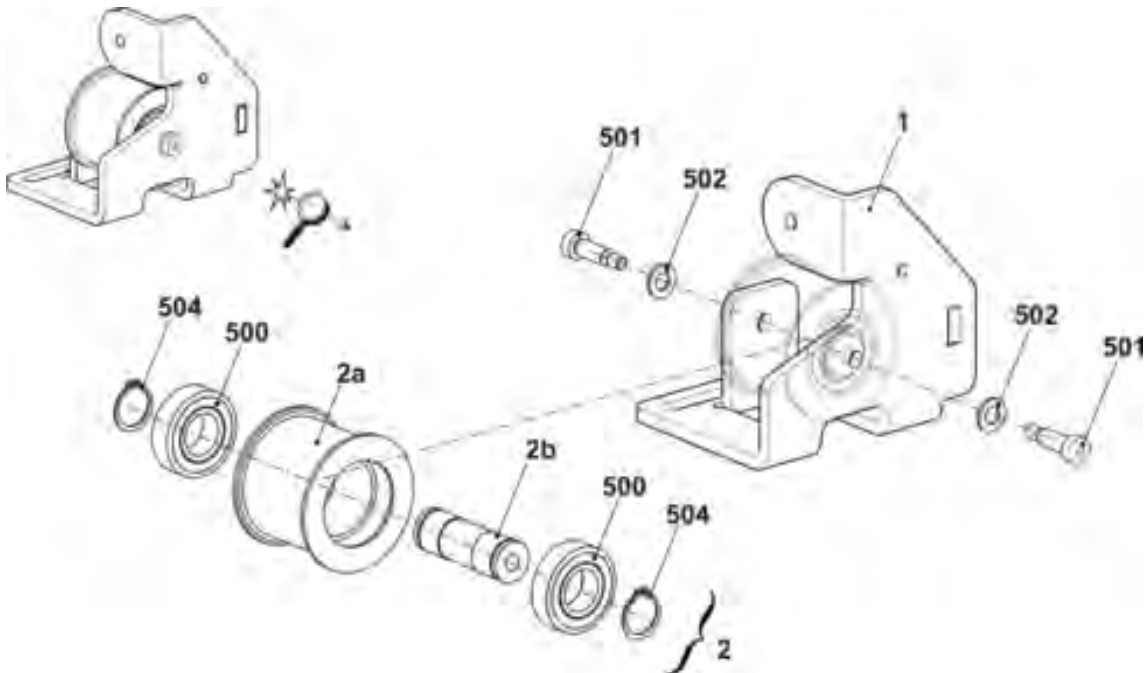
Pos	Designation		Id		Pos	Designation		Id
Σ	Drive unit complete		240 743					
1	Drive unit		256 301			2d	Support of buffer	222 100
500	Cap screw M10X25		020 157			2e	Toothed belt 250 HP-S5M 1050 NG	240 628
501	Disc 10.5X25X2.5		022 178			520	Cap screw M8X35	020 144
2	Drive bearing complete		240 742			521	Locking ring 68x2.5	022 914
	2a	Drive bearing	241 654			522	Grooved ball bearing 6207-2RS	022 915
	2b	Toothed belt pulley	240 616			523	Tension set 30x55	023 208
	2c	Pinion	242 039			524	Cap screw M8x16 8.8	020 142



2.1 Drive

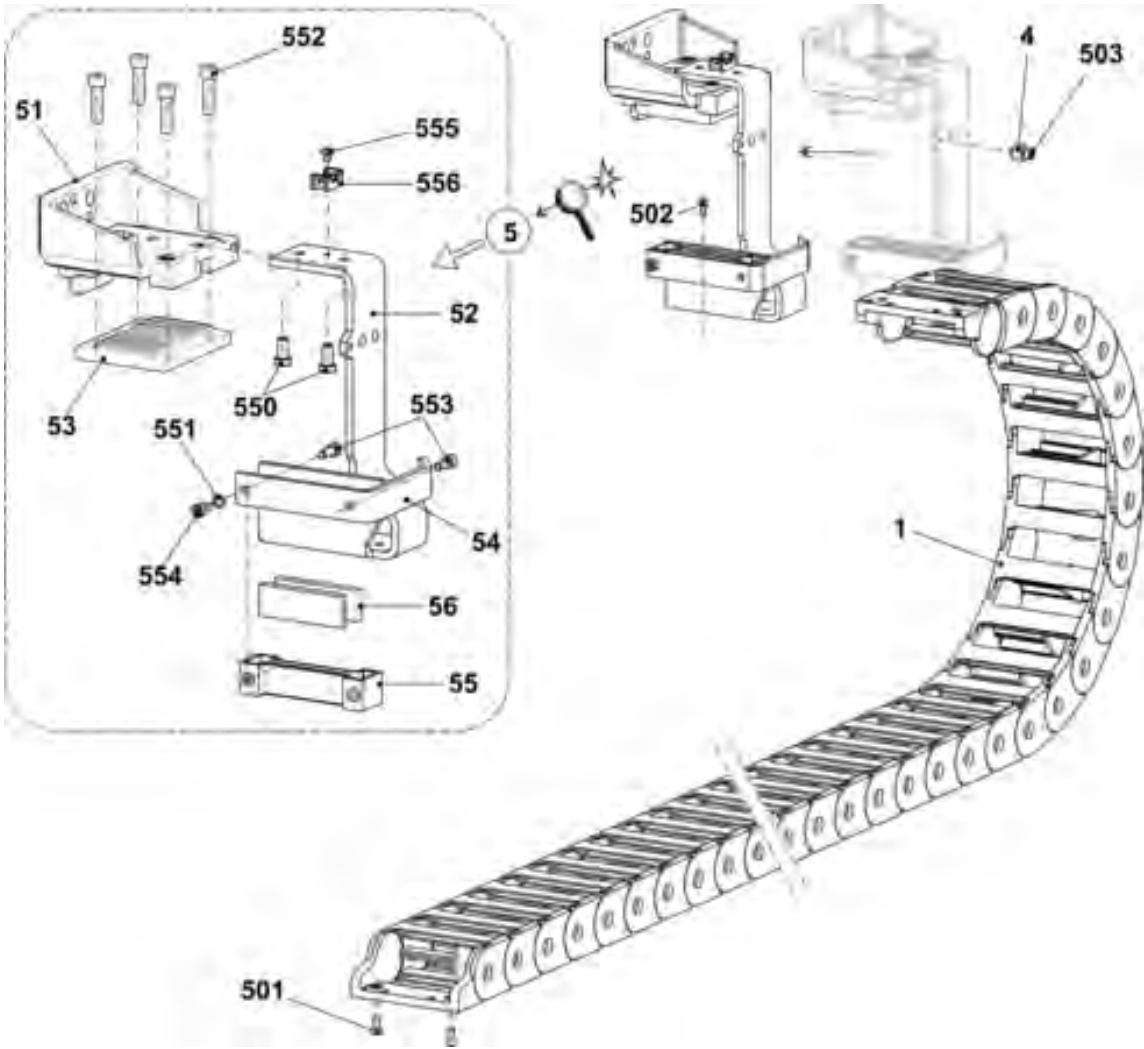
2.1.2 Tension bearing

Pos	Designation		Id		Pos	Designation		Id
Σ	Tension bearing complete		251 581					
1	Tension bearing		251 560			500	Grooved ball bearing625-6305-2RS	255 686
2	Tension roller complete		256 640			504	Locking ring 471-25x1,2	
	2a	Tension roller	255 684		501	Cap screwM10x25		023 751
	2b	Axle	251 579		502	U-washer		020 874



2.2 Energy chain and carriage driver

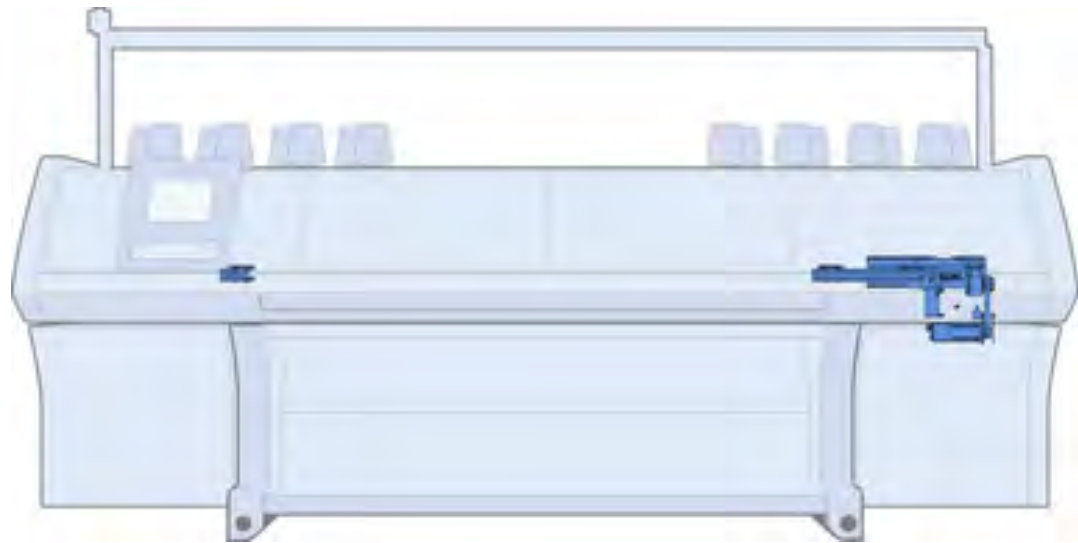
Pos	Designation	ID	Pos	Designation	ID
1	Energy chain 37 links	223 864	5	Continuation carriage driver complete	
4	Spacer	214 584	56	Cellular caoutchouc black	202 597
501	Cap screw M6x8	023 411	550	Cap screw M8x16 8.8	023 144
502	Cap screw M6x12	020 134	551	Circlip S6	022 752
5	Carriage driver complete	241 430	552	Cap screw M8X30	020 143
51	Carriage driver	241 404	553	Cap screw M6x16	020 135
52	Cable driver	251 262	554	Cap screw M6x12	020 134
53	Clamping plate	226 111	555	Countersunk screw M5x6	023 284
54	Cover strip	230 698	556	Fixing element	026 489
55	Cable holder	204 688	503	Cap screw M6x16	020 135



2.2 Energy chain and carriage driver

Notes:

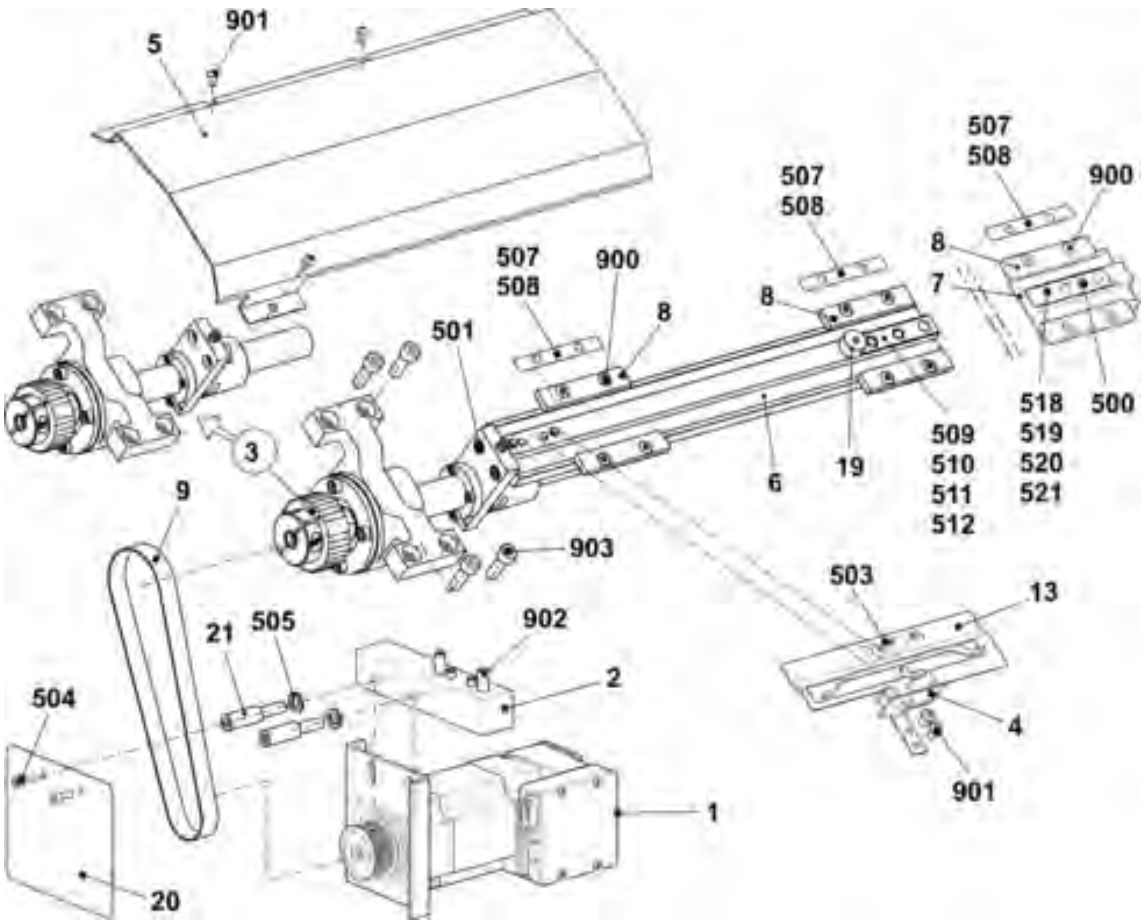
3 Racking



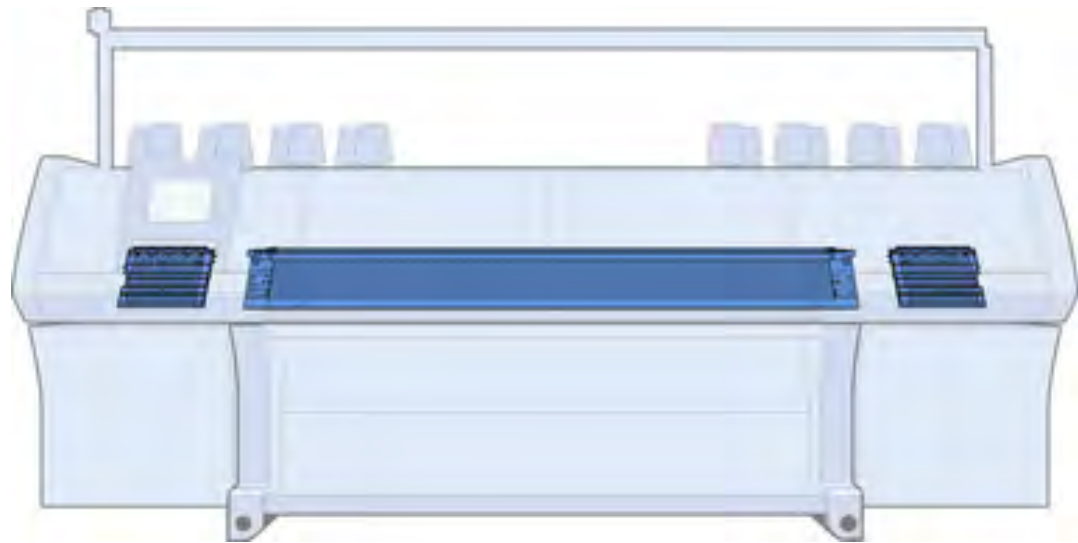
3.1 Racking drive

3.1 Racking drive

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



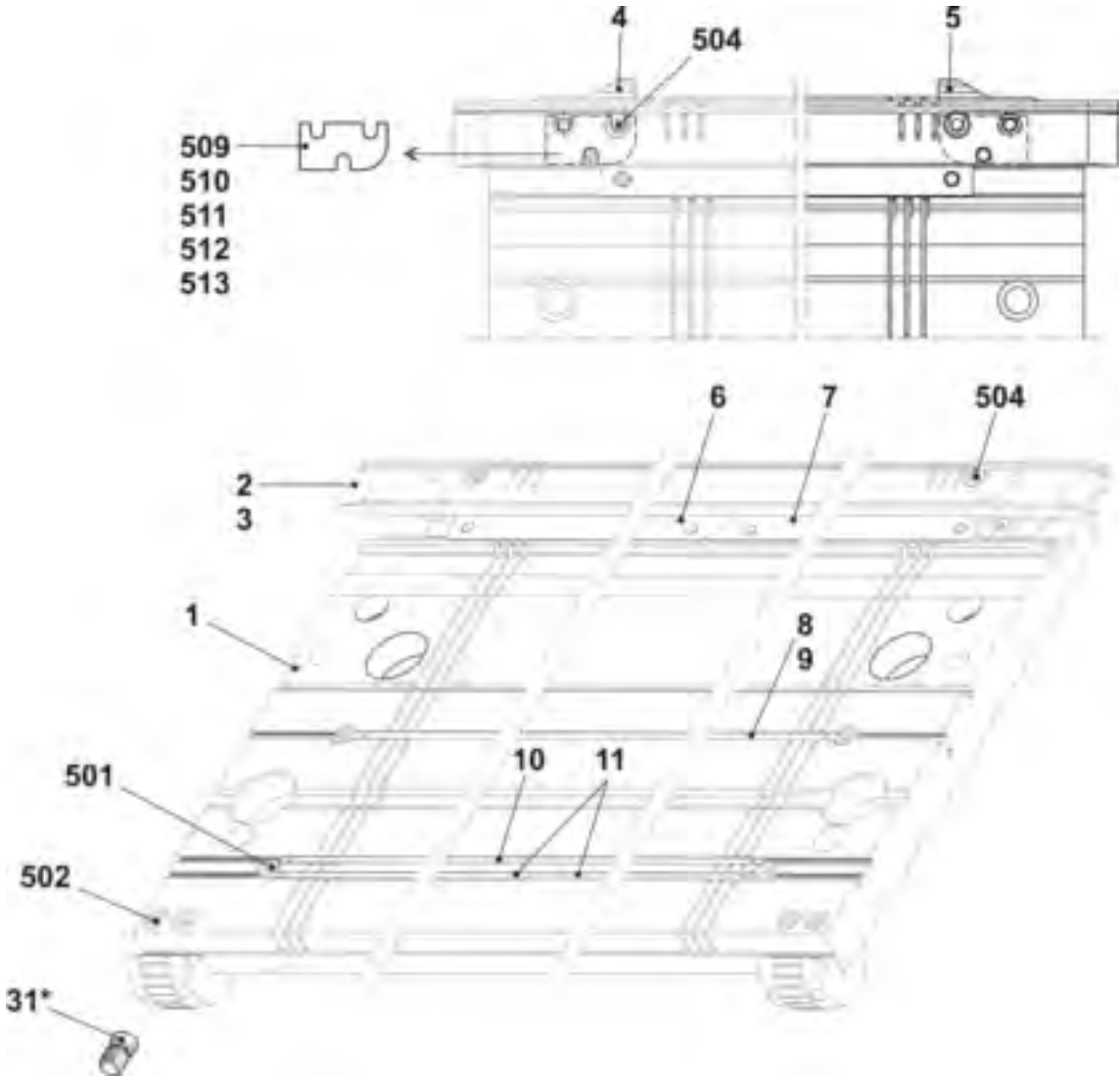
4 Needle beds



4.1 Needle bed E5

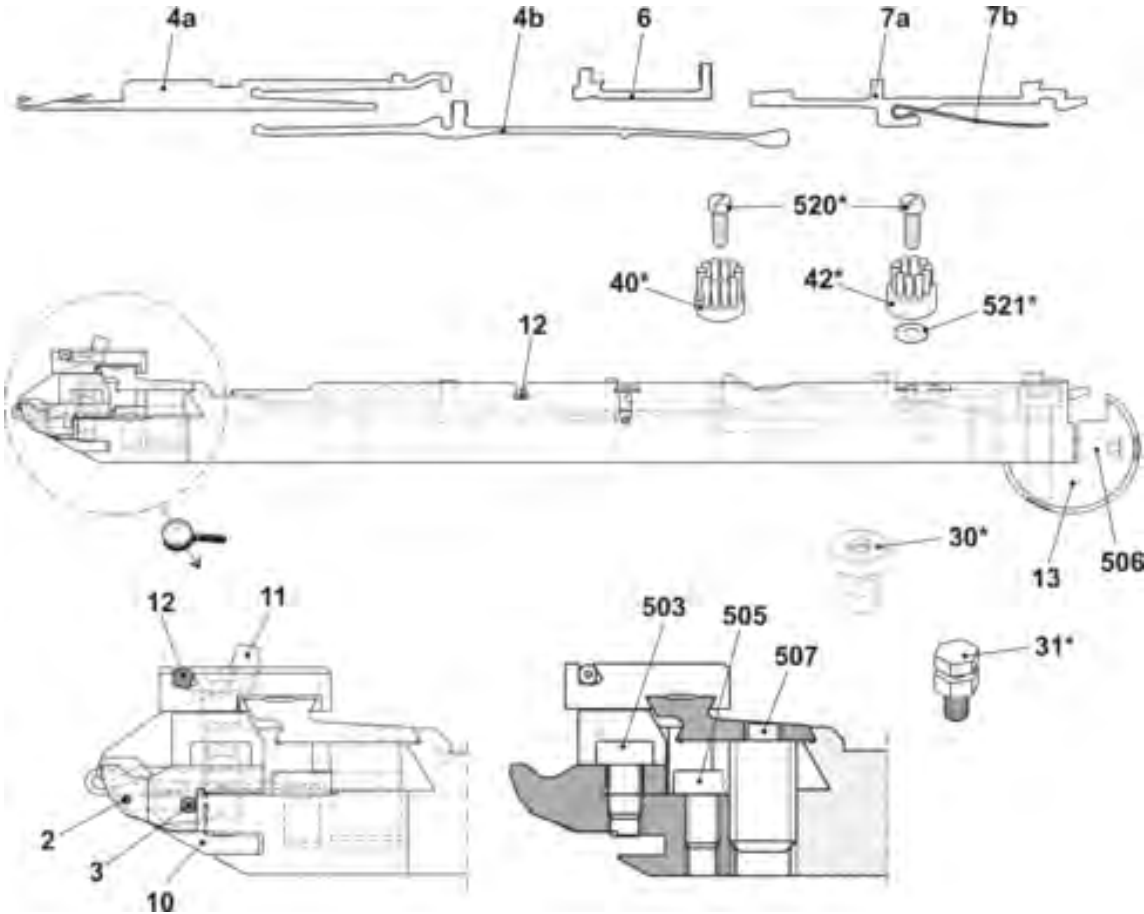
4.1 Needle bed E5

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5	218 958				
1	Needle bed at the front rear E5	218 216		11	Cover rail	218 729
2	Holding-down jack bed at the rear E5	218 708		501	Cap screw M5X10	022 918
3	Holding-down jack bed at the front E5	218 705		502	Cap screw M6X25	020 137
4	Limiter on the left	205 343		504	Cap screw M5X22	023 193
5	Limiter on the right	205 344		509	Shim 0.02x18.5x34	023 194
6	Needle rail on the left	218 732		510	Shim 0.03x18.5x34	023 195
7	Needle rail on the right	218 733		511	Shim 0.05x18.5x34	023 196
8	Cover rail at the rear	218 725		512	Shim 0.1x18.5x34	023 197
9	Cover rail at the front E5	218 955		513	Shim 0.2x18.5x34	023 253
10	Cover rail	218 728		31*	Adjusting bolt	240 765



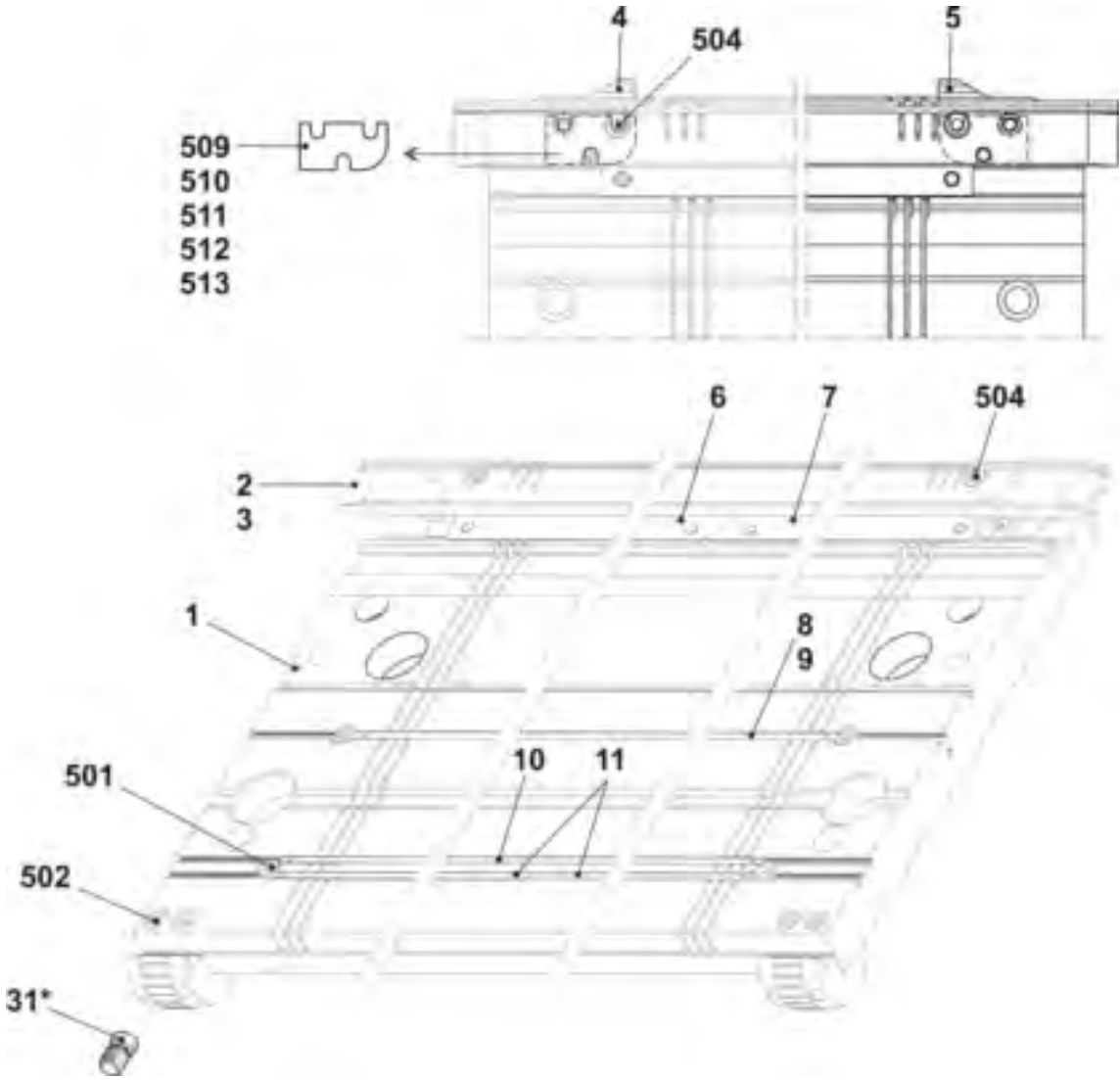
4.1.1 Continuation needle bed E5

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E5	218 958		13	Support	206 352
2	Spring steel wire Ø1.0	218 961		503	Cap screw M5x8-8.8	023 154
3	Spring steel wire Ø2.0	218 676		505	Cap screw M5x8	023 379
4a	Needle E5	205 396		506	Set screw M6x12-45	022 400
4b	Coupling part E4-E8	200 682		507	Sprung thrust piece B-M10	023 177
6	Intermediate slider	237 323		30*	Adjusting piece	206 375
7a	Selection jack E4-E8	200 687		31*	Set screw complete	207 712
7b	Selector spring E4-E8	200 690		40*	Disk brush	235 612
10	Knock-over bit E5	204 996		42*	Disk brush	202 600
11	Holding-down jack E5	205 031		520*	Cap screw M5x12	020 032
12	Fixed wire Ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



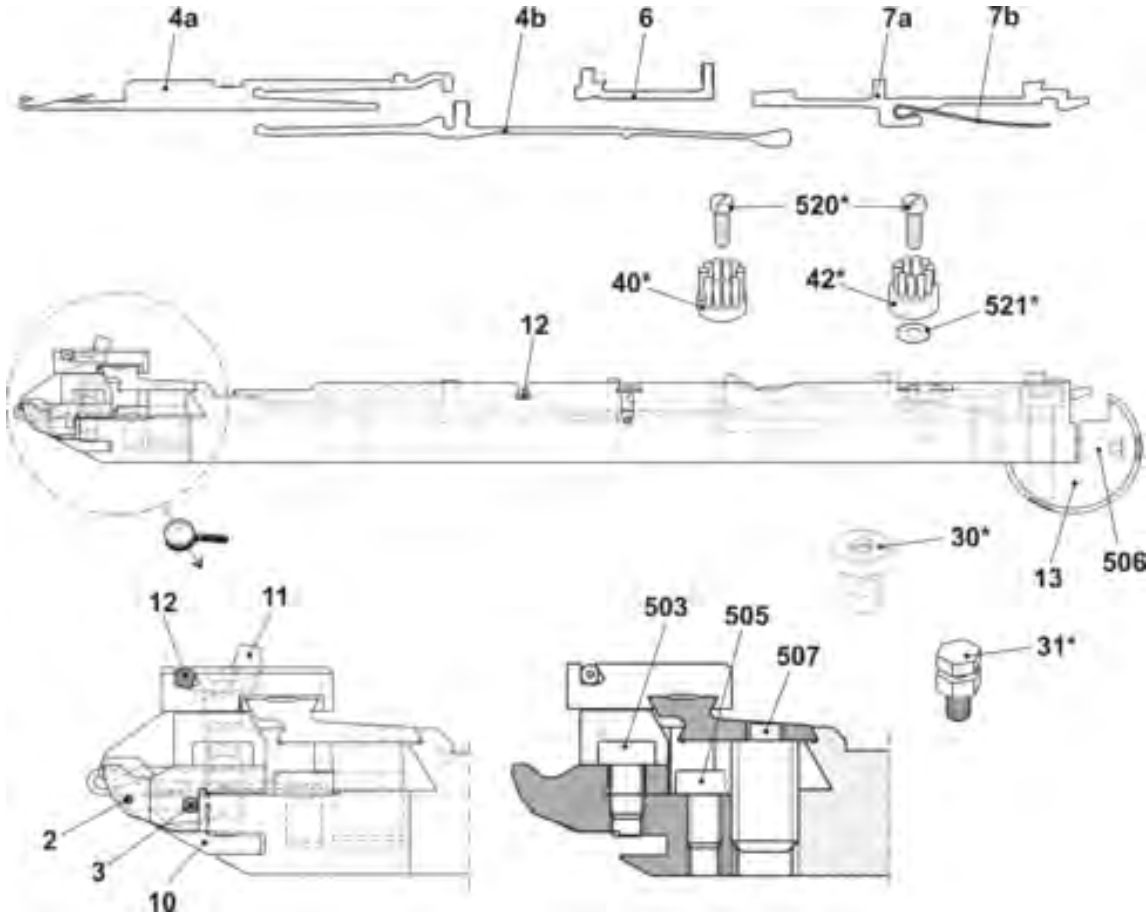
4.2 Needle bed E7

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7	218 959				
1	Needle bed at the front and rear E7	218 217		11	Cover rail	218 729
2	Holding-down jack bed at the rear E7	218 709		501	Cap screw M5X10	022 918
3	Holding-down jack bed at the front E7	218 706		502	Cap screw M6X25	020 137
4	Limiter on the left	205 343		504	Cap screw M5X22	023 193
5	Limiter on the right	205 344		509	Shim 0.02x18.5x34	023 194
6	Needle rail on the left	218 732		510	Shim 0.03x18.5x34	023 195
7	Needle rail on the right	218 733		511	Shim 0.05x18.5x34	023 196
8	Cover rail at the rear	218 725		512	Shim 0.1x18.5x34	023 197
9	Cover rail at the front E7	218 930		513	Shim 0.2x18.5x34	023 253
10	Cover rail	218 728		31*	Adjusting bolt	240 765



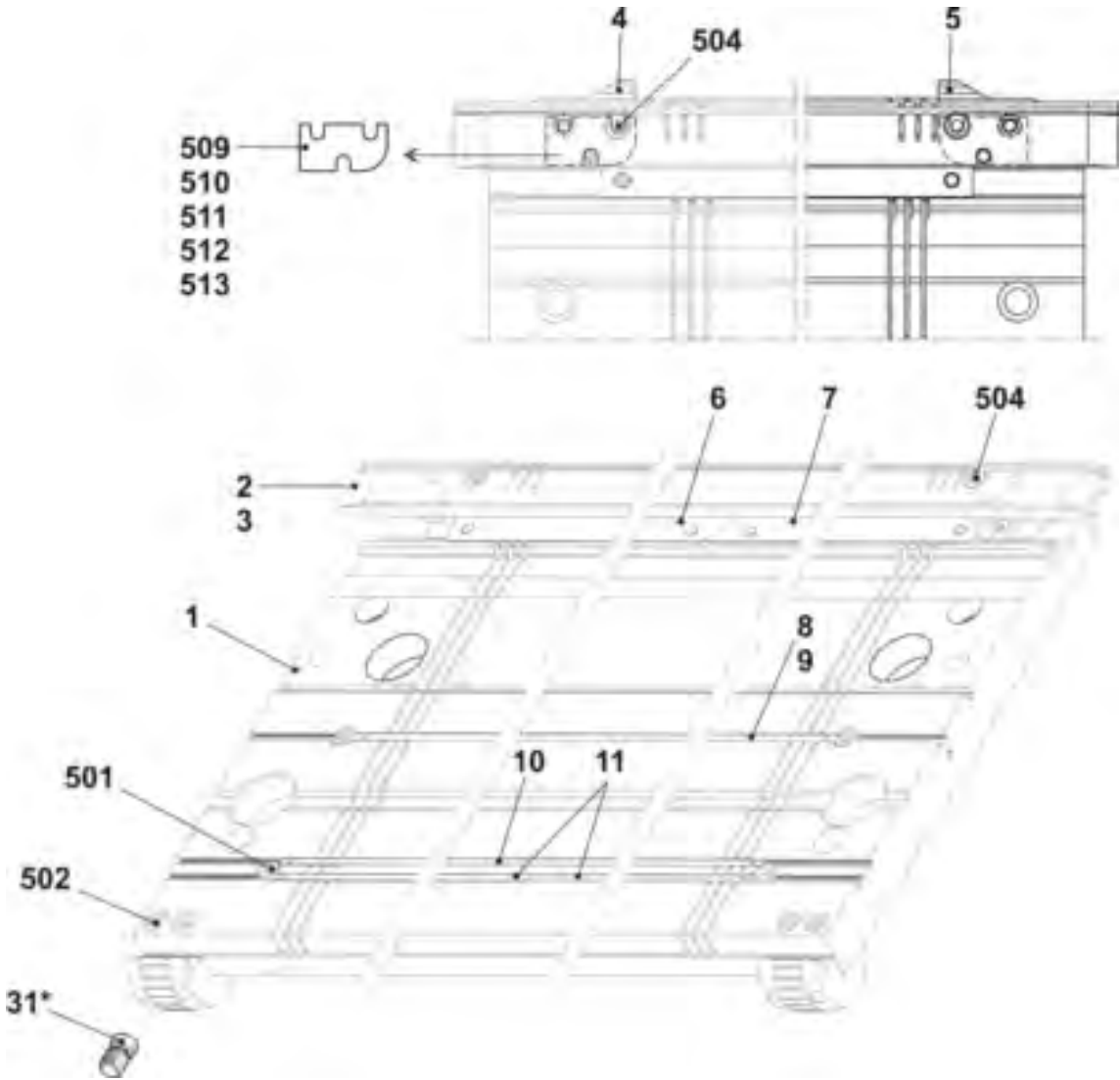
4.2.1 Continuation needle bed E7

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7	218 959		13	Support	206 352
2	Spring steel wire Ø0.8	219 667		503	Cap screw M5x8-8.8	023 154
3	Spring steel wire Ø2.0	218 676		505	Cap screw M5x8	023 379
4a	Needle E7	205 397		506	Setscrew M6x12-45	022 400
4b	Coupling part E4-8	200 682		507	Sprung thrust piece B-M10	023 177
6	Intermediate slider	237 323		30*	Adjusting piece	206 375
7a	Selection jack E4-8	200 687		31*	Set screw complete	207 712
7b	Selector spring E4-8	200 690		40*	Disk brush	235 612
10	Knock-over bit E7	207 055		42*	Disk brush	202 600
11	Holding-down jack E7	205 032		520*	Cap screw M5x12	020 032
12	Fixed wire ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



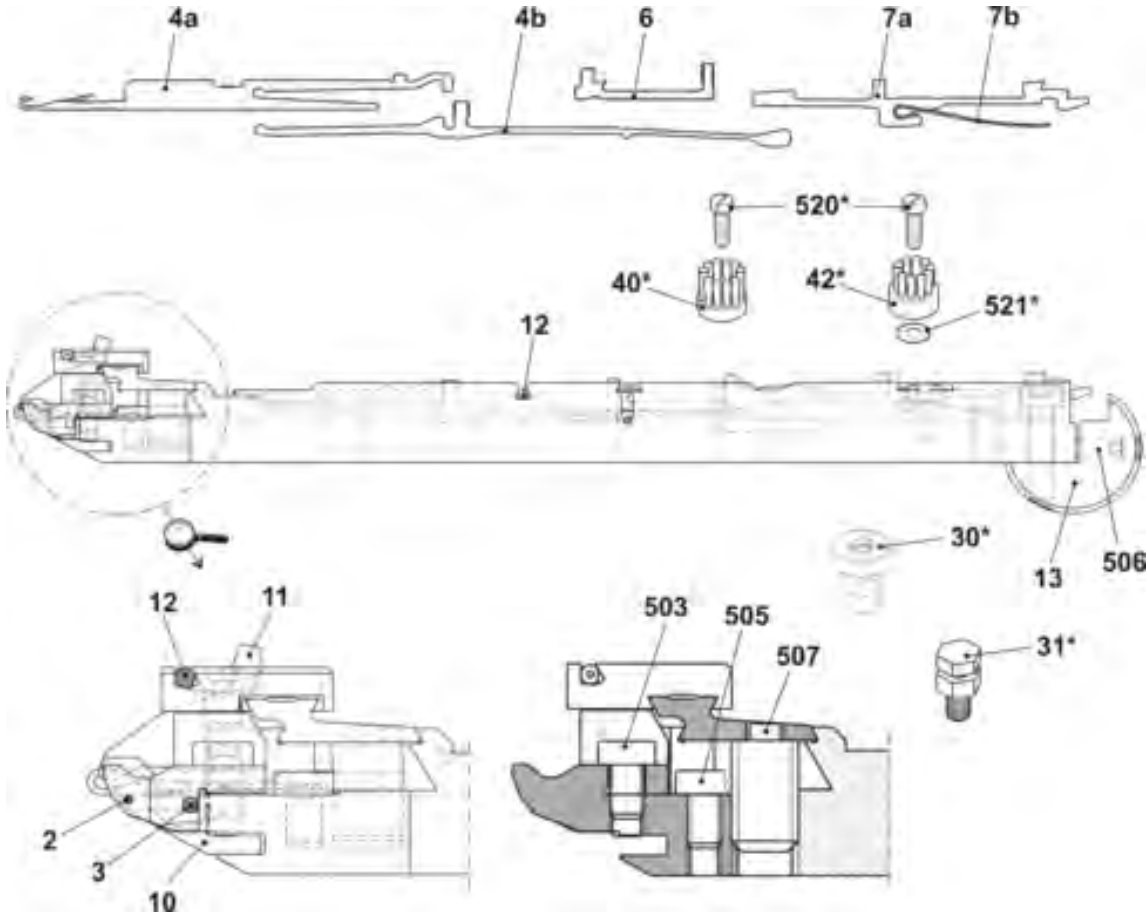
4.3 Needle bed E8

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E8	218 960				
1	Needle bed at the front rear E8	218 218		11	Cover rail	218 729
2	Holding-down jack bed at the rear E8	218 710		501	Cap screw M5X10	022 918
3	Holding-down jack bed at the front E8	218 707		502	Cap screw M6X25	020 137
4	Limiter on the left	205 343		504	Cap screw M5X22	023 193
5	Limiter on the right	205 344		509	Shim 0.02x18.5x34	023 194
6	Needle rail on the left	218 732		510	Shim 0.03x18.5x34	023 195
7	Needle rail on the right	218 733		511	Shim 0.05x18.5x34	023 196
8	Cover rail at the rear	218 725		512	Shim 0.1x18.5x34	023 197
9	Cover rail at the front E8	218 931		513	Shim 0.2x18.5x34	023 253
10	Cover rail	218 728		31*	Adjusting bolt	240 765



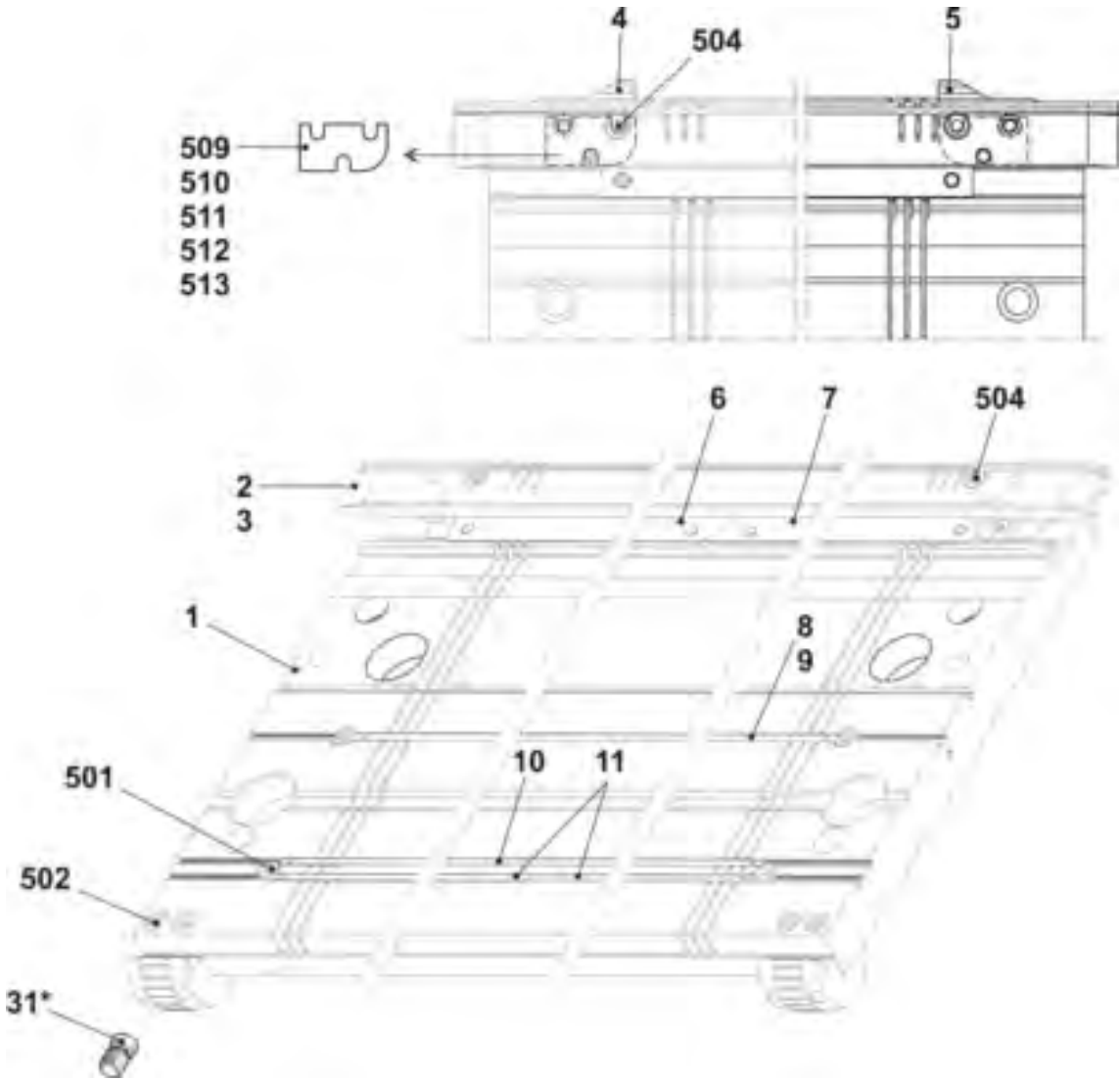
4.3.1 Continuation needle bed E8

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E8	218 960		13	Support	206 352
2	Spring steel wire Ø0.8	219 667		503	Cap screw M5x8-8.8	023 154
3	Spring steel wire Ø2.0	218 676		505	Cap screw M5x8	023 379
4a	Needle E8	208 745		506	Setscrew M6x12-45	022 400
4b	Coupling part E4-8	200 682		507	Sprung thrust piece B-M10	023 177
6	Intermediate slider	237 323		30*	Adjusting piece	206 375
7a	Selection jack E4-8	200 687		31*	Set screw complete	207 712
7b	Selector spring E4-8	200 690		40*	Disk brush	235 612
10	Knock-over bit E8	207 054		42*	Disk brush	202 600
11	Holding-down jack E8	205 028		520*	Cap screw M5x12	020 032
12	Fixed wire ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



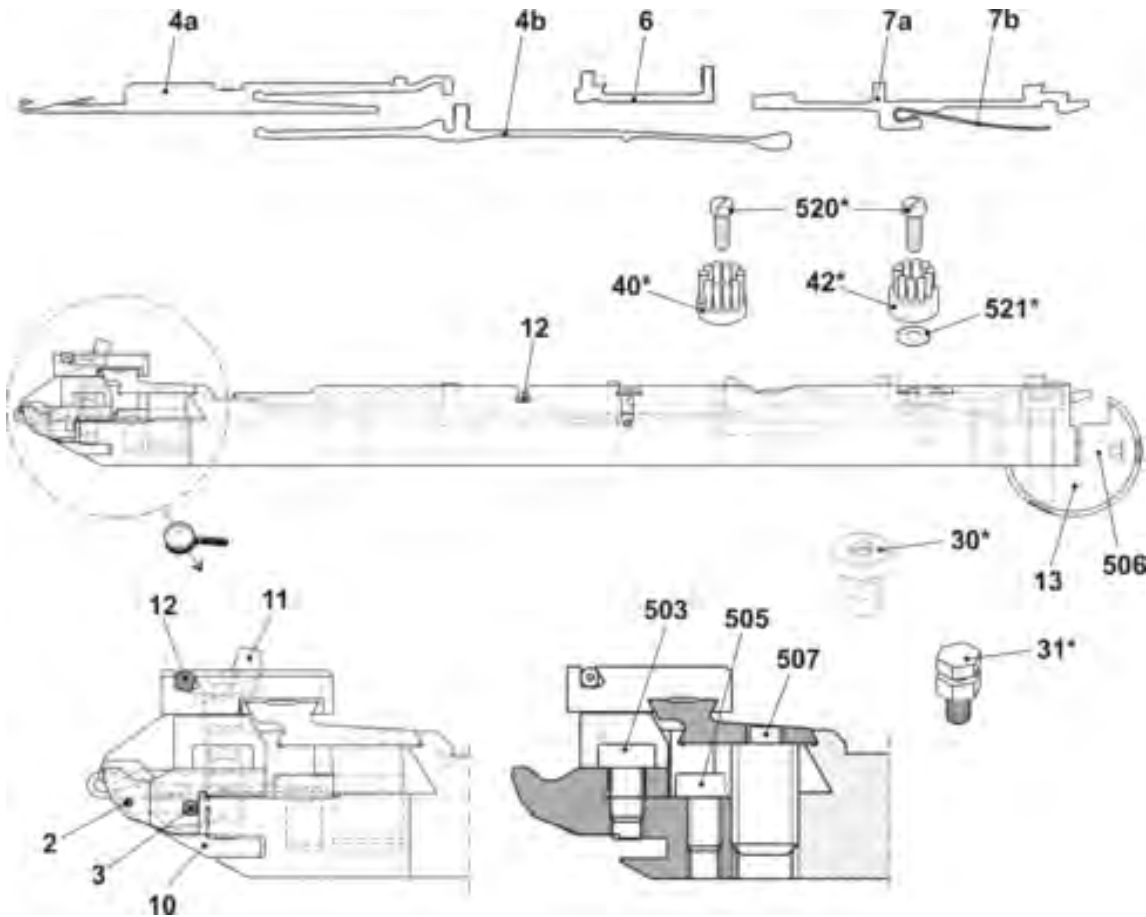
4.4 Needle bed E10

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E10	241 647				
1	Needle bed at the front and rear E10	241 607		11	Cover rail	218 729
2	Holding-down jack bed at the rear E10	220 887		501	Cap screw M5X10	022 918
3	Needle bed at the front and rear E10	220 884		502	Cap screw M6X25	020 137
4	Limiter on the left	205 764		504	Cap screw M5X22	023 193
5	Limiter on the right	205 765		509	Shim 0.02x18.5x34	023 194
6	Needle rail on the left	218 732		510	Shim 0.03x18.5x34	023 195
7	Needle rail on the right	218 733		511	Shim 0.05x18.5x34	023 196
8	Cover rail at the rear	218 725		512	Shim 0.1x18.5x34	023 197
9	Cover rail at the front E10	218 726		513	Shim 0.2x18.5x34	023 253
10	Cover rail	218 728		31*	Adjusting bolt	240 765



4.4.1 Continuation needle bed E10

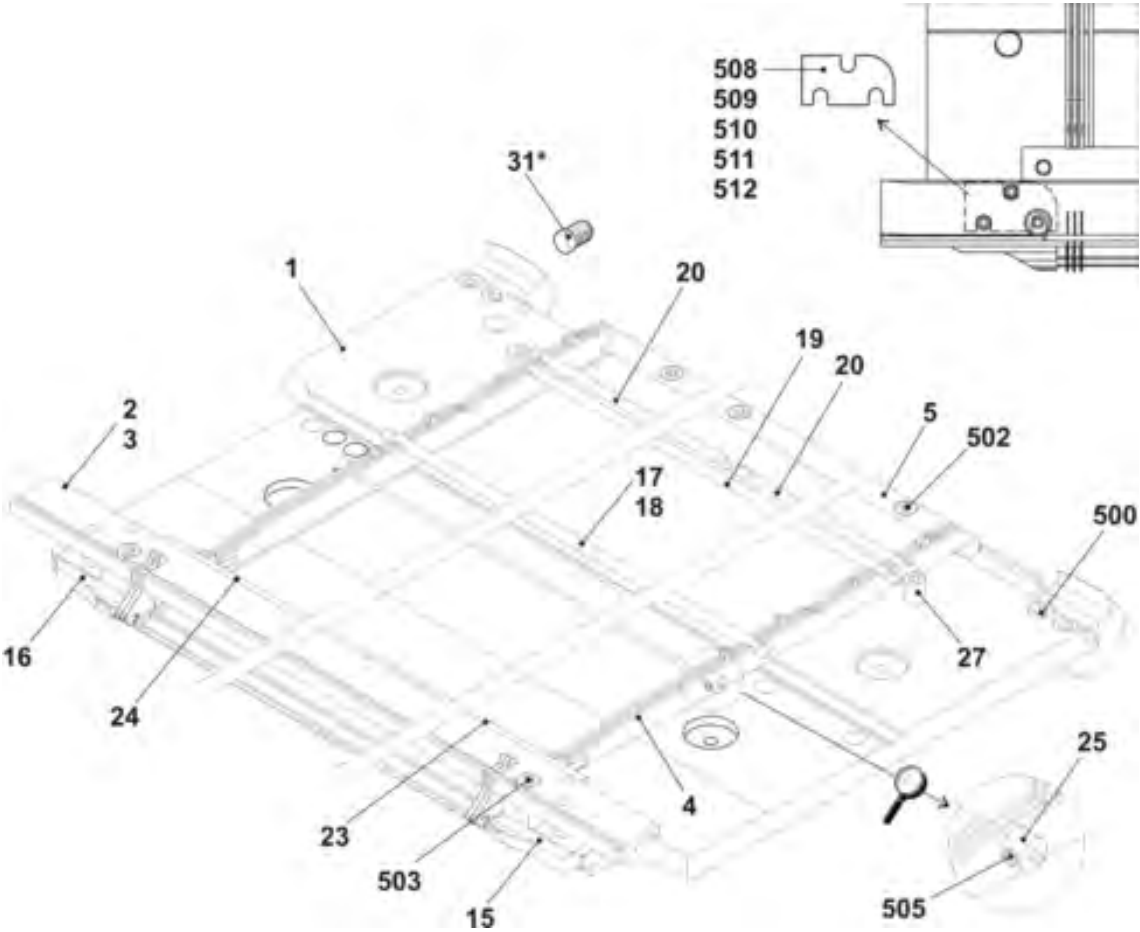
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E10	241 647		13	Support	206 352
2	Spring steel wire Ø0.6	218 675		503	Cap screw M5x8-8.8	023 154
3	Spring steel wire Ø2.0	218 676		505	Cap screw M5x8	023 379
4a	Needle E10	205 398		506	Setscrew M6x12-45	022 400
4b	Coupling part E10-12	200 683		507	Sprung thrust piece B-M10	023 177
6	Intermediate slider	237 324		30*	Adjusting piece	206 375
7a	Selection jack E10-12	200 688		31*	Set screw complete	207 712
7b	Selector spring E10-12	200 691		40*	Disk brush	235 612
10	Knock-over bit E10	239 756		42*	Disk brush	202 600
11	Holding-down jack E10	239 815		520*	Cap screw M5x12	020 032
12	Fixed wire ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



4.5 Needle bed E12

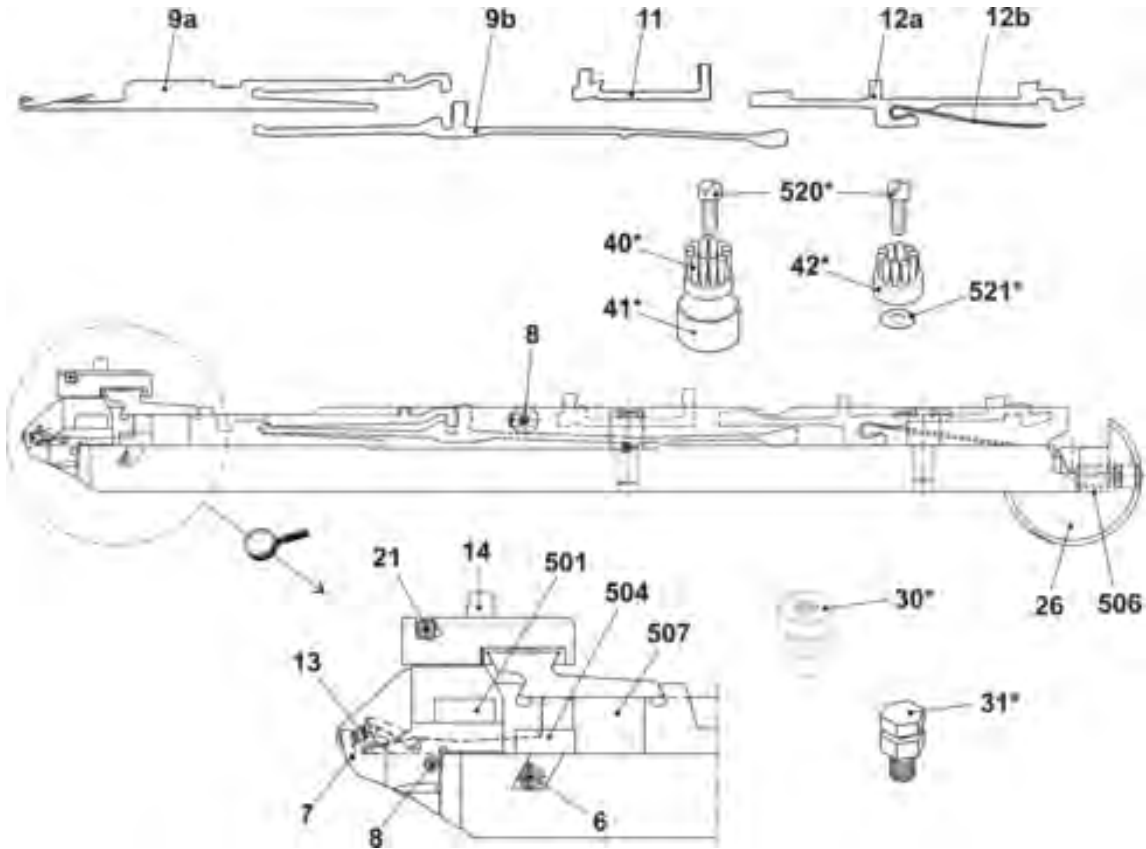
4.5 Needle bed E12

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E12	253 723		24	Needle rail on the right	218 733
1	Needle bed at the front and rear E12	253 721		25	Bush	206 090
2	Holding-down jack bed at the front E12	220 885		27	Stop screw	214 039
3	Holding-down jack bed at the rear E12	220 888		500	Cap screw M6X14	022 658
4	Main trick wall E12	252 628		502	Cap screw M5x8	023 379
5	Pressure slide	218 673		503	Cap screw M5X22	023 193
15	Limiter on the left E10-E14	205 764		505	Setscrew M3.5x3	020 512
16	Limiter on the right E4-E8	205 765		508	Shim 0.02x18.5x34	023 194
17	Cover rail at the rear	218 725		509	Shim 0.03x18.5x34	023 195
18	Cover rail at the front E12	218 727		510	Shim 0.05x18.5x34	023 196
19	Cover rail	218 728		511	Shim 0.1x18.5x34	023 197
20	Cover rail	218 729		512	Shim 0.2x18.5x34	023 253
23	Needle rail on the left	218 732		31*	Adjusting bolt	240 765



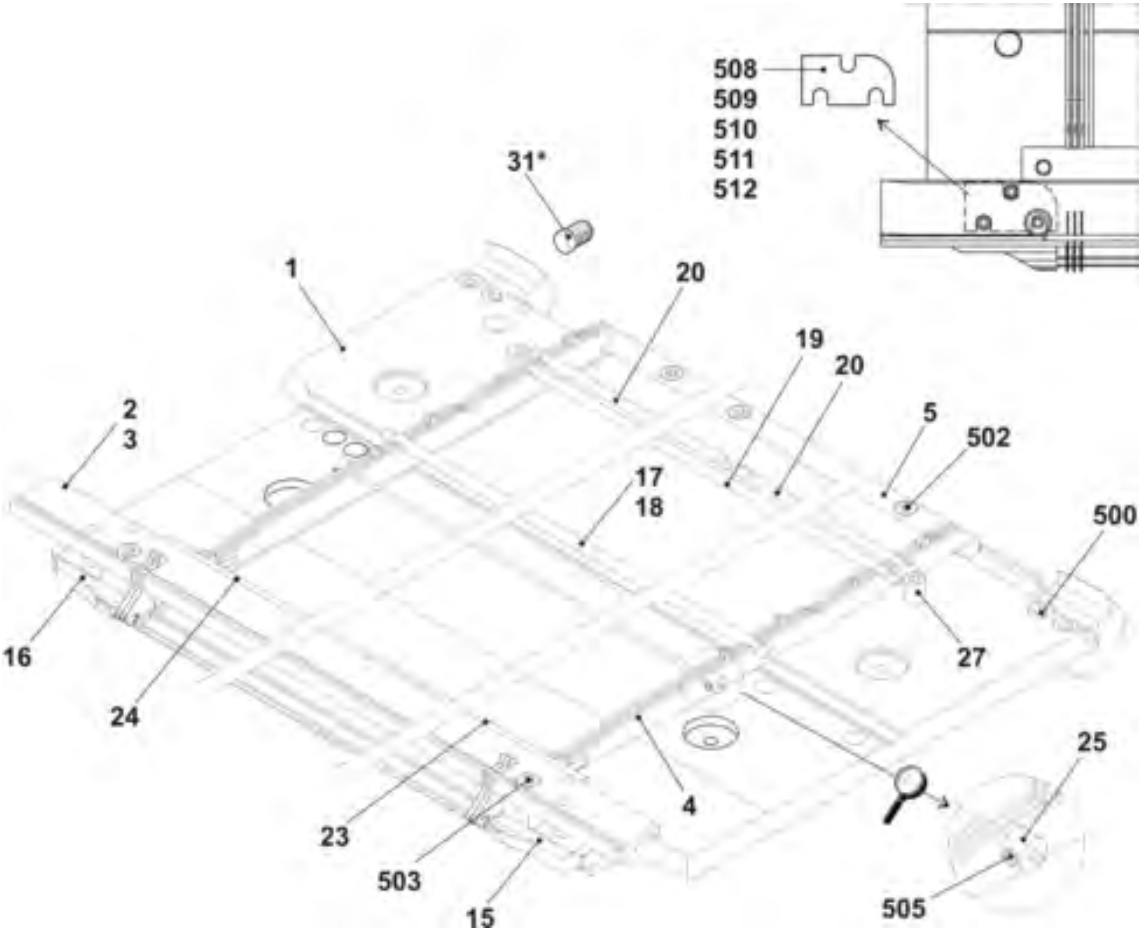
4.5.1 Continuation needle bed E12

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E12	253 723		26	Support	206 352
6	Fixed wire Ø3.4	218 674		501	Cap screw M5x8-8.8 M	023 154
7	Spring steel wire Ø0.6	218 675		504	Cap screw M5x12-8.8	022 943
8	Spring steel wire Ø2.0	251 075		506	Set screw M6x12-45	022 400
9a	Needle E12	204 009		507	Sprung thrust piece B-M10	023 177
9b	Coupling part E10-12	200 683		30*	Adjusting piece	206 375
11	Intermediate slider with brake E10-12	237 324		31*	Set screw complete	207 712
12a	Selection jack E10-12	200 688		40*	Disk brush	235 612
12b	Selector spring E10-12	200 691		41*	Container disk brush	233 012
13	Knock-over bit E12	205 013		42*	Disk brush	202 600
14	Holding-down jack trick wall E12	227 821		520*	Cap screw M5x12	020 032
21	Fixed wire Ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



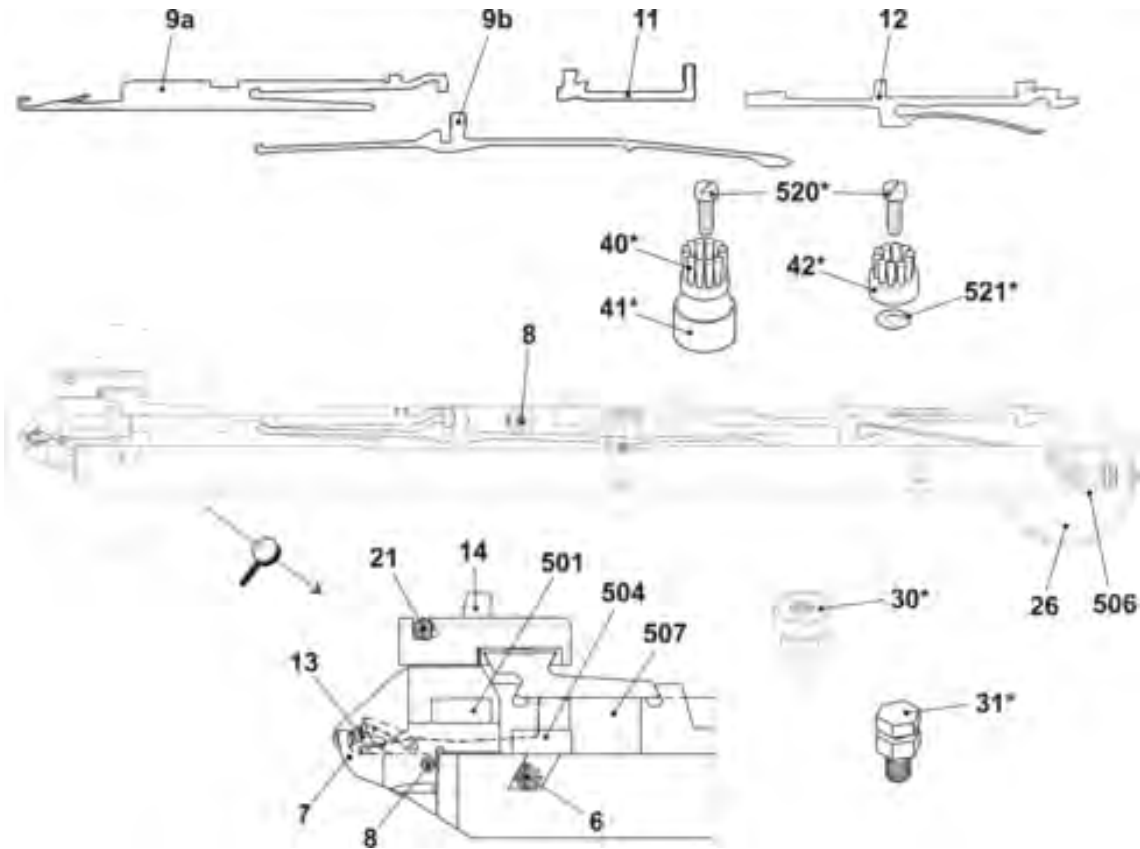
4.6 Needle bed E14

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E14	253 724		24	Needle rail on the right	218 733
1	Needle bed at the front and rear E14	253 722		25	Bush	206 090
2	Holding-down jack bed at the front E14	220 886		27	Stop screw	214 039
3	Holding-down jack bed at the rear E14	220 889		500	Cap screw M6X14	022 658
4	Main trick wall E14	252 629		502	Cap screw M5x8	023 379
5	Pressure slide	218 673		503	Cap screw M5X22	023 193
15	Limiter on the left E10-E14	205 764		505	Setscrew M3.5x3	020 512
16	Limiter on the right E4-E8	205 765		508	Shim 0.02x18.5x34	023 194
17	Cover rail at the rear	218 725		509	Shim 0.03x18.5x34	023 195
18	Cover rail at the front E14	219 686		510	Shim 0.05x18.5x34	023 196
19	Cover rail	218 728		511	Shim 0.1x18.5x34	023 197
20	Cover rail	218 729		512	Shim 0.2x18.5x34	023 253
23	Needle rail on the left	218 732		31*	Adjusting bolt	240 765



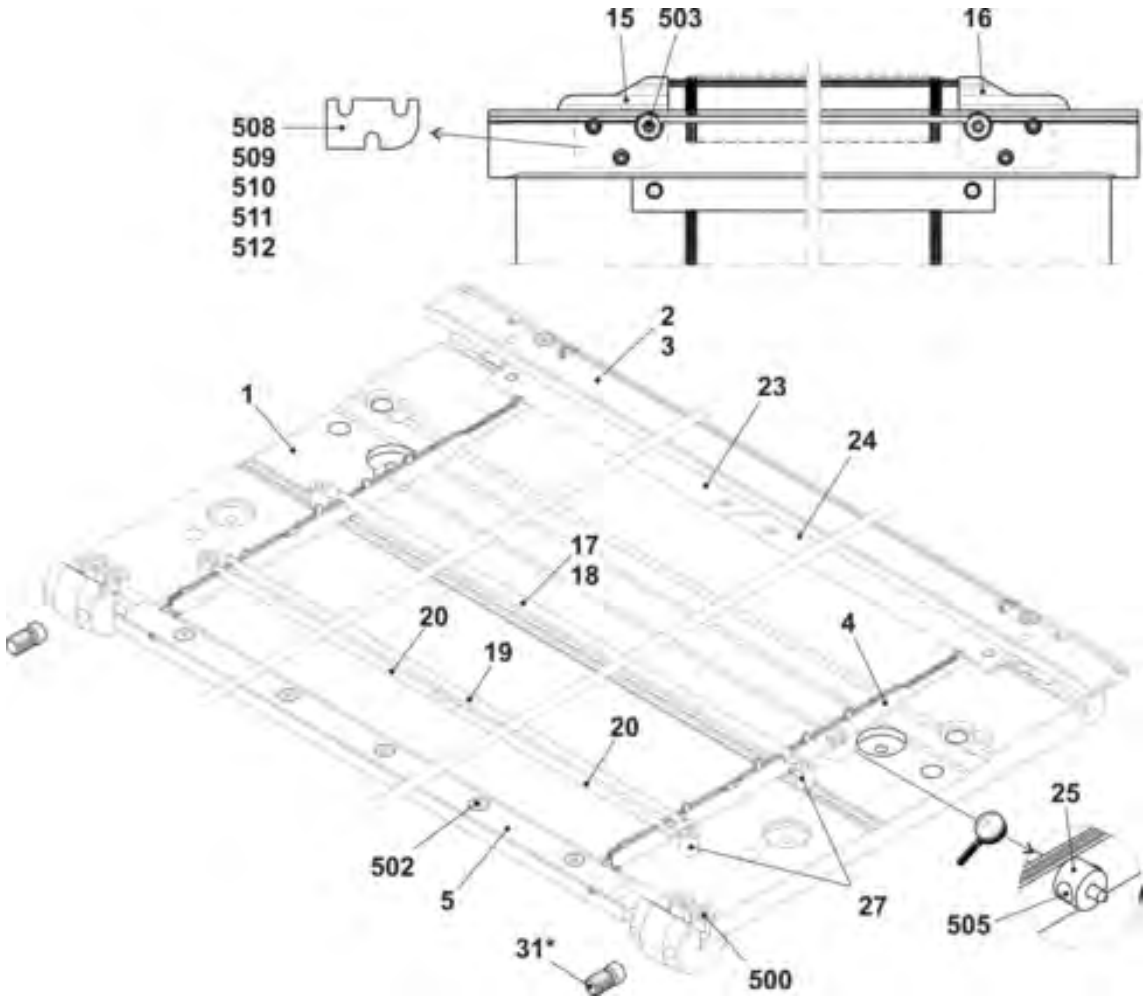
4.6.1 Continuation needle bed E14

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E14	253 724				
6	Fixed wire Ø3.4	218 674		501	Cap screw M5x8-8.8 M	023 154
7	Spring steel wire Ø0.6	218 675		504	Cap screw M5x12-8.8	022 943
8	Spring steel wire Ø2.0	251 075		506	Setscrew M6x12-45	022 400
9a	Needle E14	209 614		507	Sprung thrust piece B-M10	023 177
9b	Coupling part E14	253 383		30*	Adjusting piece	206 375
11	Intermediate slider with brake E14	237 373		31*	Set screw complete	207 712
12	Selection jack with spring E14	224 725		40*	Disk brush	235 612
13	Knock-over bit E14	209 649		41*	Container disk brush	233 012
14	Holding-down jack trick wall E14	235 262		42*	Disk brush	202 600
21	Fixed wire ø2.8	218 730		520*	Cap screw M5x12	020 032
26	Support	206 352		521*	Adjusting washer P6x12x0.3	023 540



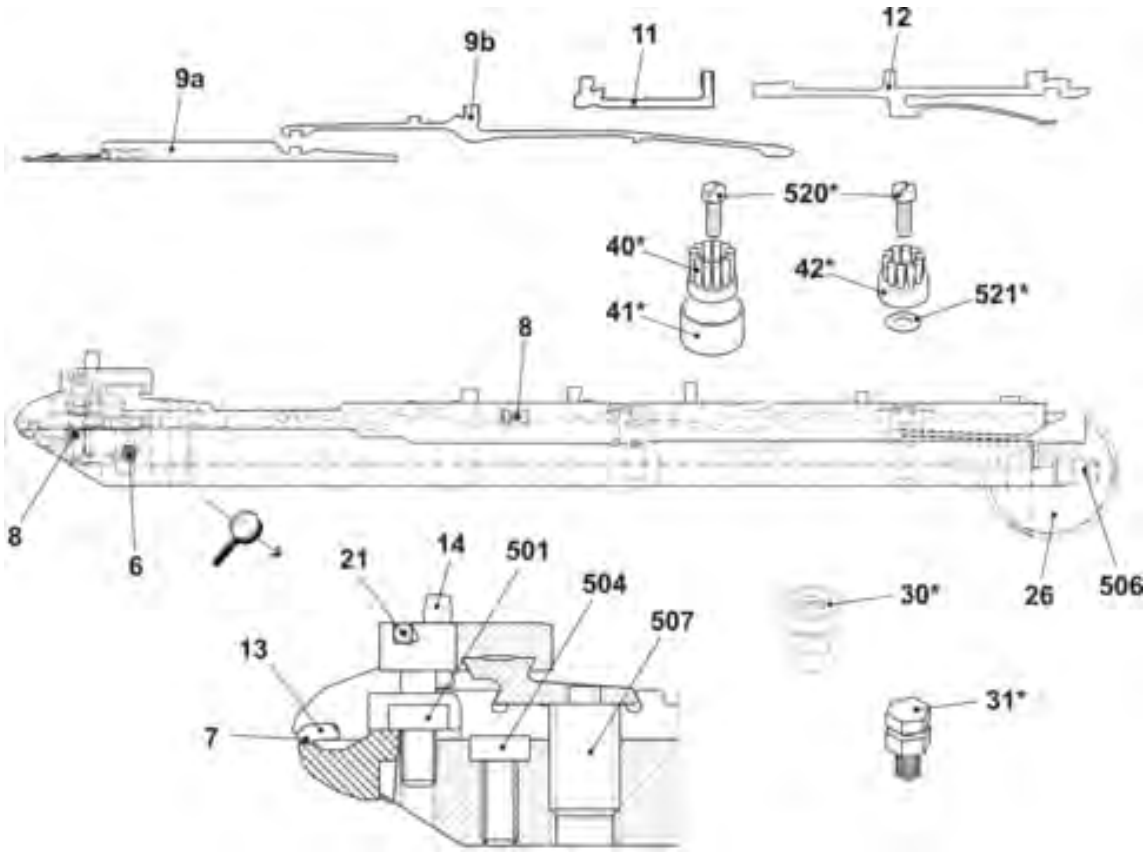
4.7 Needle bed E16

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E16	251 109		24	Needle rail on the right	218 733
1	Needle bed at the front and rear E16	251 071		25	Bush	206 090
2	Holding-down jack bed at the front E16	224 675		27	Stop screw	214 039
3	Holding-down jack bed at the rear E16	224 677		500	Cap screw M6X14	022 658
4	Main trick wall E16	245 319		502	Cap screw M5x8	023 379
5	Pressure slide	218 673		503	Cap screw M5X22	023 193
15	Limiter on the left	220 821		505	Setscrew M3.5x3	020 512
16	Limiter on the right	220 822		508	Shim 0.02x18.5x34	023 194
17	Cover rail at the rear	218 725		509	Shim 0.03x18.5x34	023 195
18	Cover rail at the front E16	224 704		510	Shim 0.05x18.5x34	023 196
19	Cover rail	218 728		511	Shim 0.1x18.5x34	023 197
20	Cover rail	218 729		512	Shim 0.2x18.5x34	023 253
23	Needle rail on the left	218 732		31*	Adjusting bolt	240 765



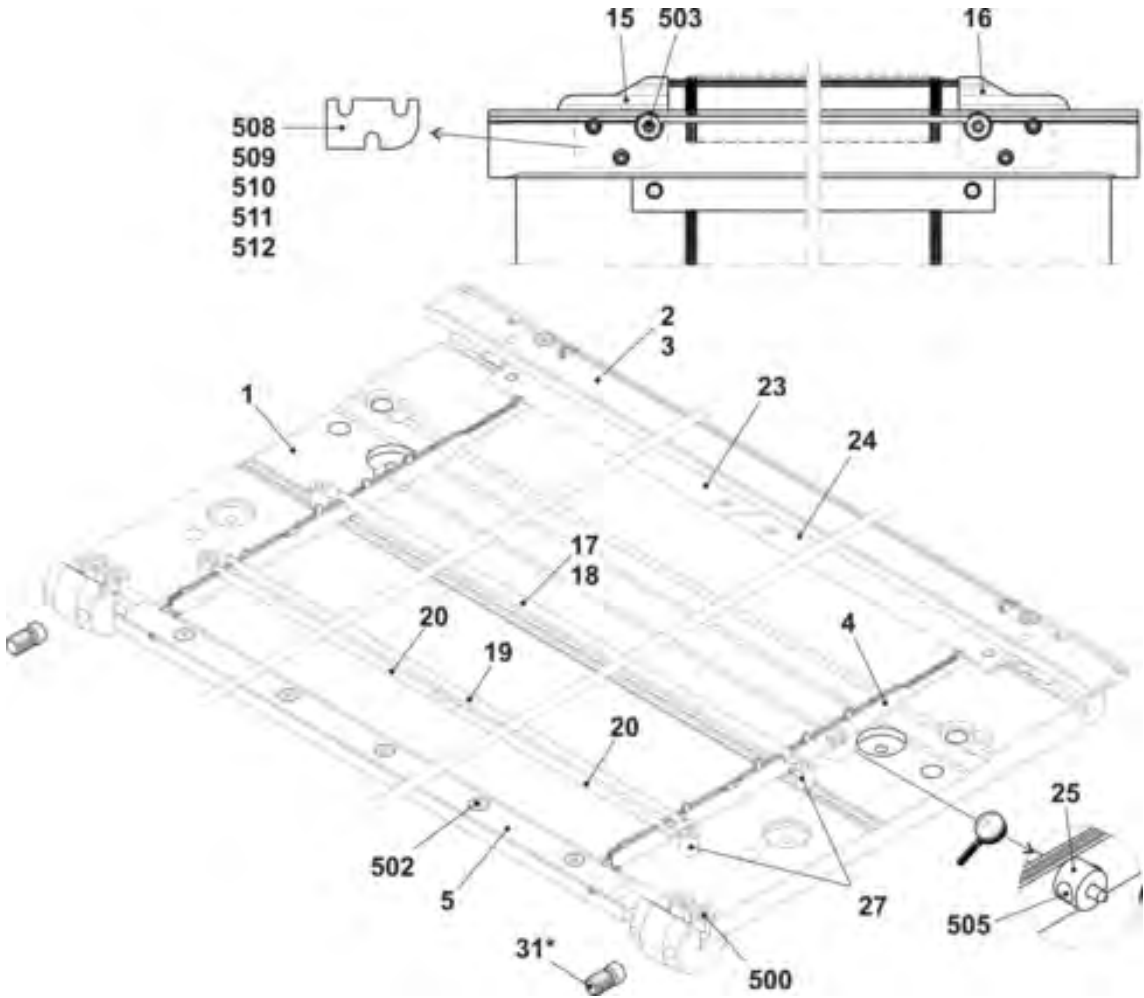
4.7.1 Continuation needle bed E16

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E16	251 109				
6	Fixed wire Ø3.4	218 674		501	Cap screw M5x8-8.8 M	023 154
7	Spring steel wire Ø0.5	224 703		504	Cap screw M5x12-8.8	022 943
8	Spring steel wire Ø2.0	251 075		506	Setscrew M6x12-45	022 400
9a	Needle E16	232 243		507	Sprung thrust piece B-M10	023 177
9b	Coupling part E16-18	253 384		30*	Adjusting piece	206 375
11	Intermediate slider with brake E16-18	237 326		31*	Set screw complete	207 712
12	Selection jack E16-20	222 265		40*	Disk brush	235 612
13	Knock-over bit E16	222 503		41*	Container disk brush	233 012
14	Holding-down jack E16	222 504		42*	Disk brush	202 600
21	Fixed wire ø2.8	218 730		520*	Cap screw M5x12	020 032
26	Support	206 352		521*	Adjusting washer P6x12x0.3	023 540



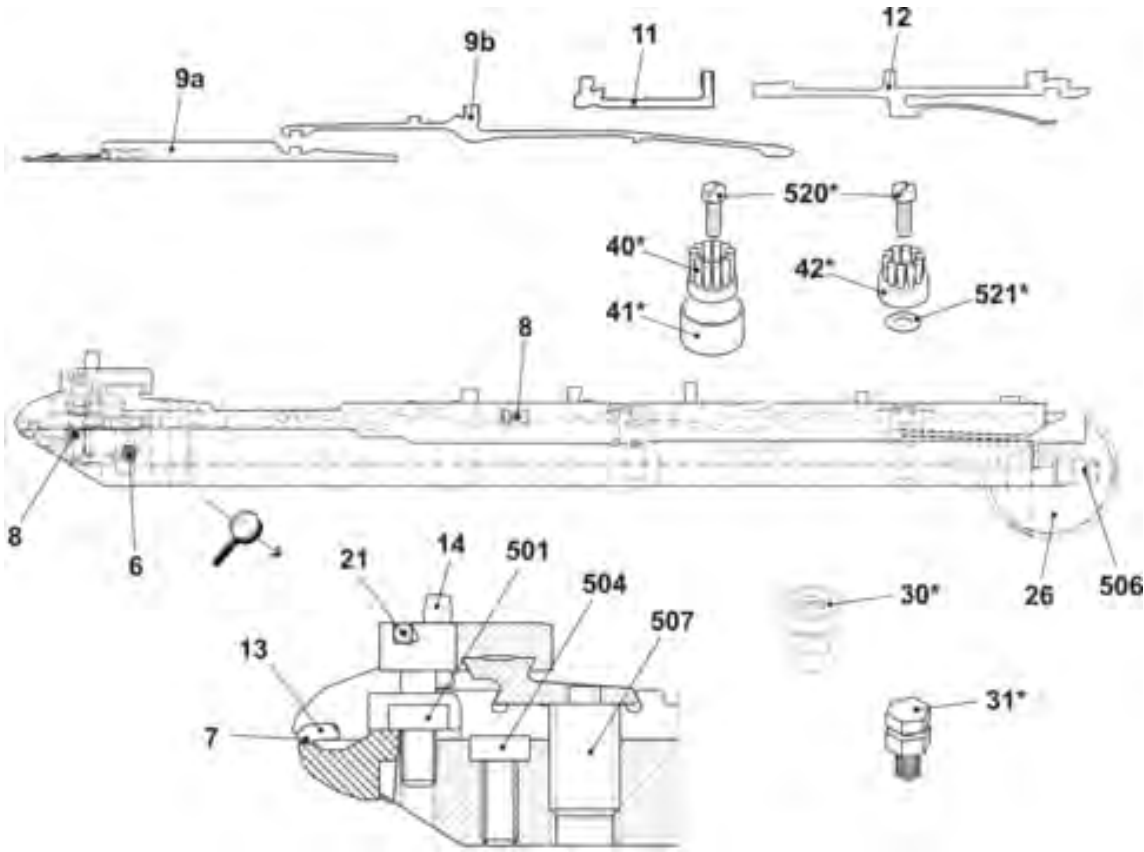
4.8 Needle bed E18

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E18	251 110		24	Needle rail on the right	218 733
1	Needle bed at the front and rear E18	251 072		25	Bush	206 090
2	Holding-down jack bed at the front E18	224 676		27	Stop screw	214 039
3	Holding-down jack bed at the rear E18	224 678		500	Cap screw M6X14	022 658
4	Main trick wall E18	251 051		502	Cap screw M5x8	023 379
5	Pressure slide	218 673		503	Cap screw M5X22	023 193
15	Limiter on the left	220 821		505	Setscrew M3.5x3	020 512
16	Limiter on the right	220 822		508	Shim 0.02x18.5x34	023 194
17	Cover rail at the rear	218 725		509	Shim 0.03x18.5x34	023 195
18	Cover rail at the front E18	224 705		510	Shim 0.05x18.5x34	023 196
19	Cover rail	218 728		511	Shim 0.1x18.5x34	023 197
20	Cover rail	218 729		512	Shim 0.2x18.5x34	023 253
23	Needle rail on the left	218 732		31*	Adjusting bolt	240 765



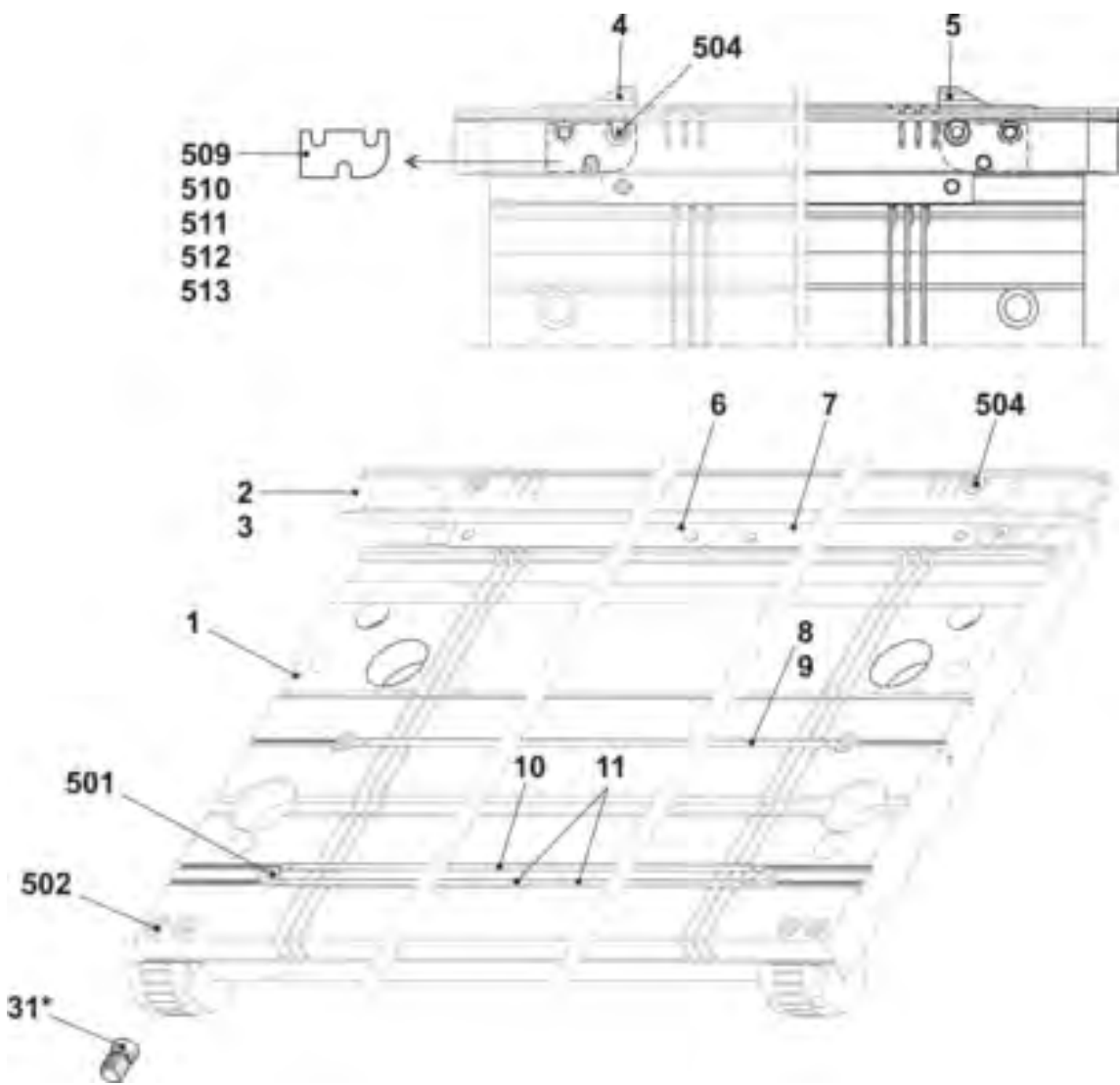
4.8.1 Continuation needle bed E18

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E18	251 110				
6	Fixed wire Ø3.4	218 674		501	Cap screw M5x8-8.8 M	023 154
7	Spring steel wire Ø0.5	224 703		504	Cap screw M5x12-8.8	022 943
8	Spring steel wire Ø2.0	251 075		506	Setscrew M6x12-45	022 400
9a	Needle E18	239 527		507	Sprung thrust piece B-M10	023 177
9b	Coupling part E16-18	253 384		30*	Adjusting piece	206 375
11	Intermediate slider with brake E16-18	237 326		31*	Set screw complete	207 712
12	Selection jack E16-20	222 265		40*	Disk brush	235 612
13	Knock-over bit E18	220 764		41*	Container disk brush	233 012
14	Holding-down jack E18	220 770		42*	Disk brush	202 600
21	Fixed wire ø2.8	218 730		520*	Cap screw M5x12	020 032
26	Support	206 352		521*	Adjusting washer P6x12x0.3	023 540



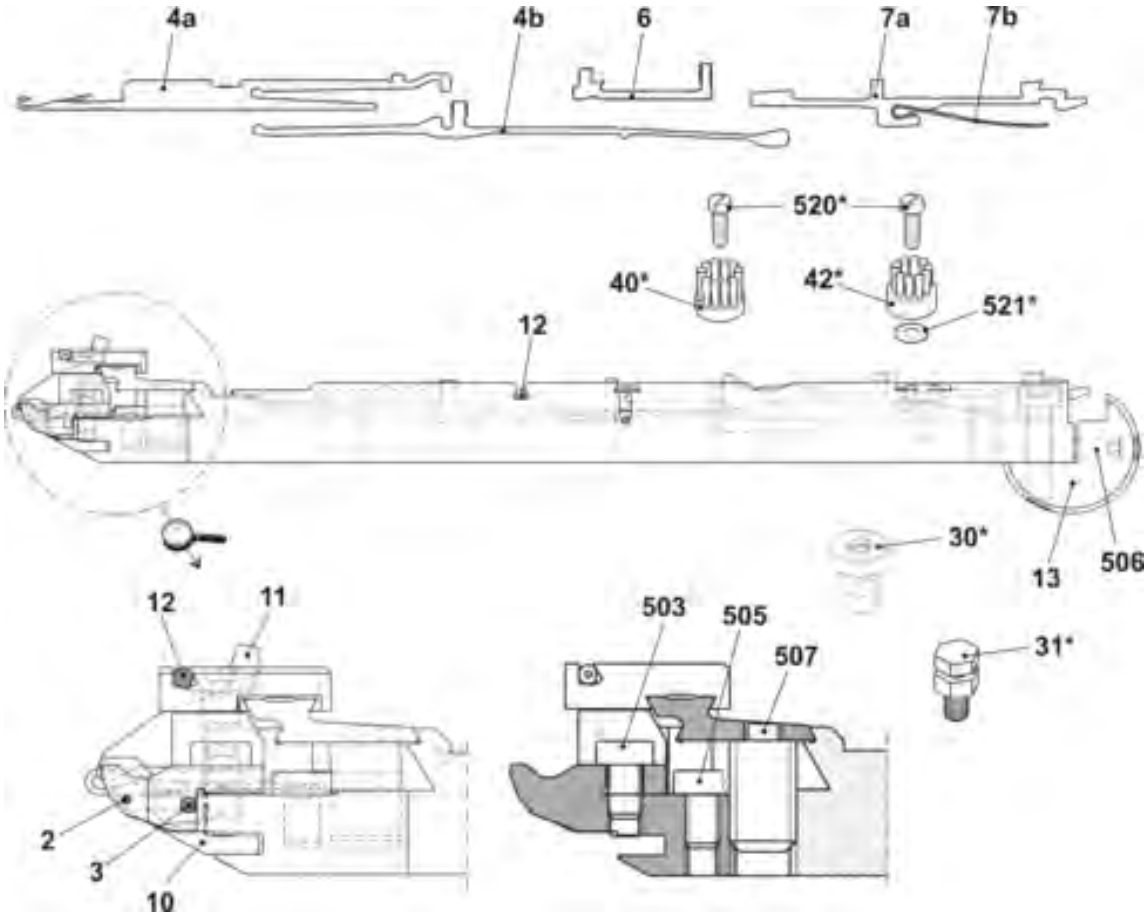
4.9 Needle bed E5m.4

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5m.4	219 334				
1	Needle bed at the front rear E5	218 216		11	Cover rail	218 729
2	Holding-down jack bed at the rear E5	218 708		501	Cap screw M5X10	022 918
3	Holding-down jack bed at the front E5	218 705		502	Cap screw M6X25	020 137
4	Limiter on the left	205 343		504	Cap screw M5X22	023 193
5	Limiter on the right	205 344		509	Shim 0.02x18.5x34	023 194
6	Needle rail on the left	218 732		510	Shim 0.03x18.5x34	023 195
7	Needle rail on the right	218 733		511	Shim 0.05x18.5x34	023 196
8	Cover rail at the rear	218 725		512	Shim 0.1x18.5x34	023 197
9	Cover rail at the front E5	218 955		513	Shim 0.2x18.5x34	023 253
10	Cover rail	218 728		31*	Adjusting bolt	240 765



4.9.1 Continuation needle bed E5m.4

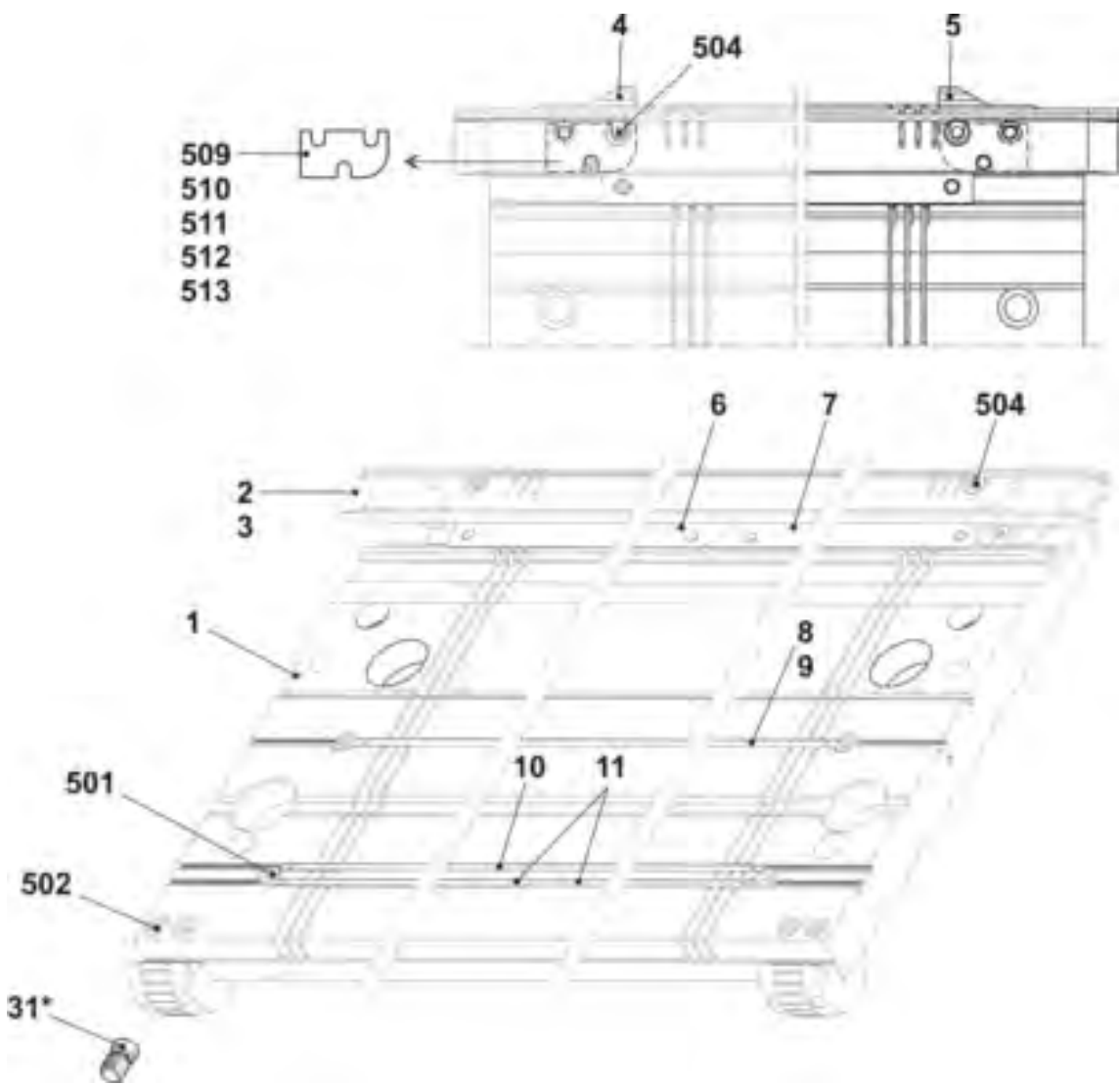
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5m.4	219 334		13	Support	206 352
2	Spring steel wire Ø1.0	218 961		503	Cap screw M5x8-8.8	023 154
3	Spring steel wire Ø2.0	218 676		505	Cap screw M5x8	023 379
4a	Needle E2,5.2-6,5.2	232 581		506	Setscrew M6x12-45	022 400
4b	Coupling part E4-8	200 682		507	Sprung thrust piece B-M10	023 177
6	Intermediate slider with brake E5-8	237 323		30*	Adjusting piece	206 375
7a	Selection jack E4-8	200 687		31*	Set screw complete	207 712
7b	Selector spring E4-8	200 690		40*	Disk brush	235 612
10	Knock-over bit E5	204 996		42*	Disk brush	202 600
11	Holding-down jack E5	205 031		520*	Cap screw M5x12	020 032
12	Fixed wire ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



4.10 Needle bed E7m.5

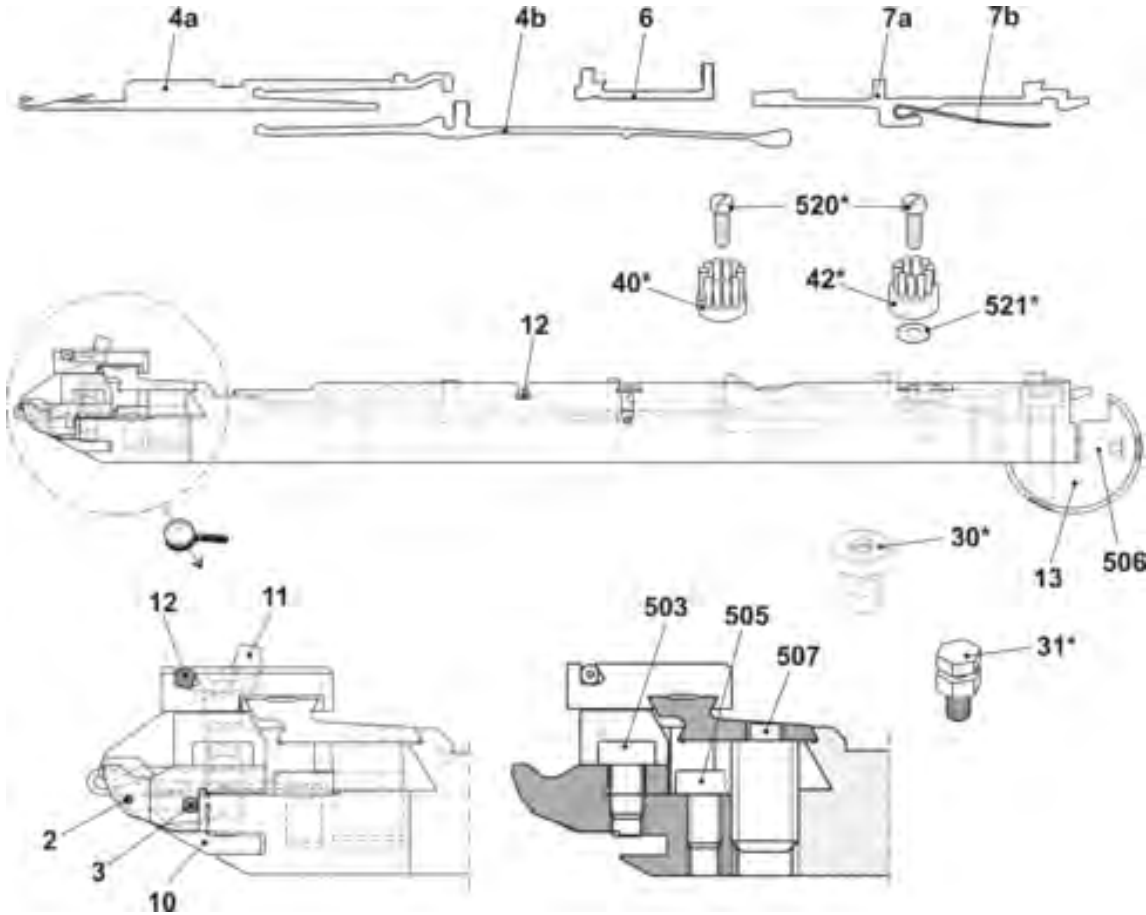
4.10 Needle bed E7m.5

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7m.5	219 335				
1	Needle bed at the front and rear E7	218 217		11	Cover rail	218 729
2	Holding-down jack bed at the rear E7	218 709		501	Cap screw M5X10	022 918
3	Holding-down jack bed at the front E7	218 706		502	Cap screw M6X25	020 137
4	Limiter on the left	205 343		504	Cap screw M5X22	023 193
5	Limiter on the right	205 344		509	Shim 0.02x18.5x34	023 194
6	Needle rail on the left	218 732		510	Shim 0.03x18.5x34	023 195
7	Needle rail on the right	218 733		511	Shim 0.05x18.5x34	023 196
8	Cover rail at the rear	218 725		512	Shim 0.1x18.5x34	023 197
9	Cover rail at the front E7	218 930		513	Shim 0.2x18.5x34	023 253
10	Cover rail	218 728		31*	Adjusting bolt	240 765



4.10.1 Continuation needle bed E7m.5

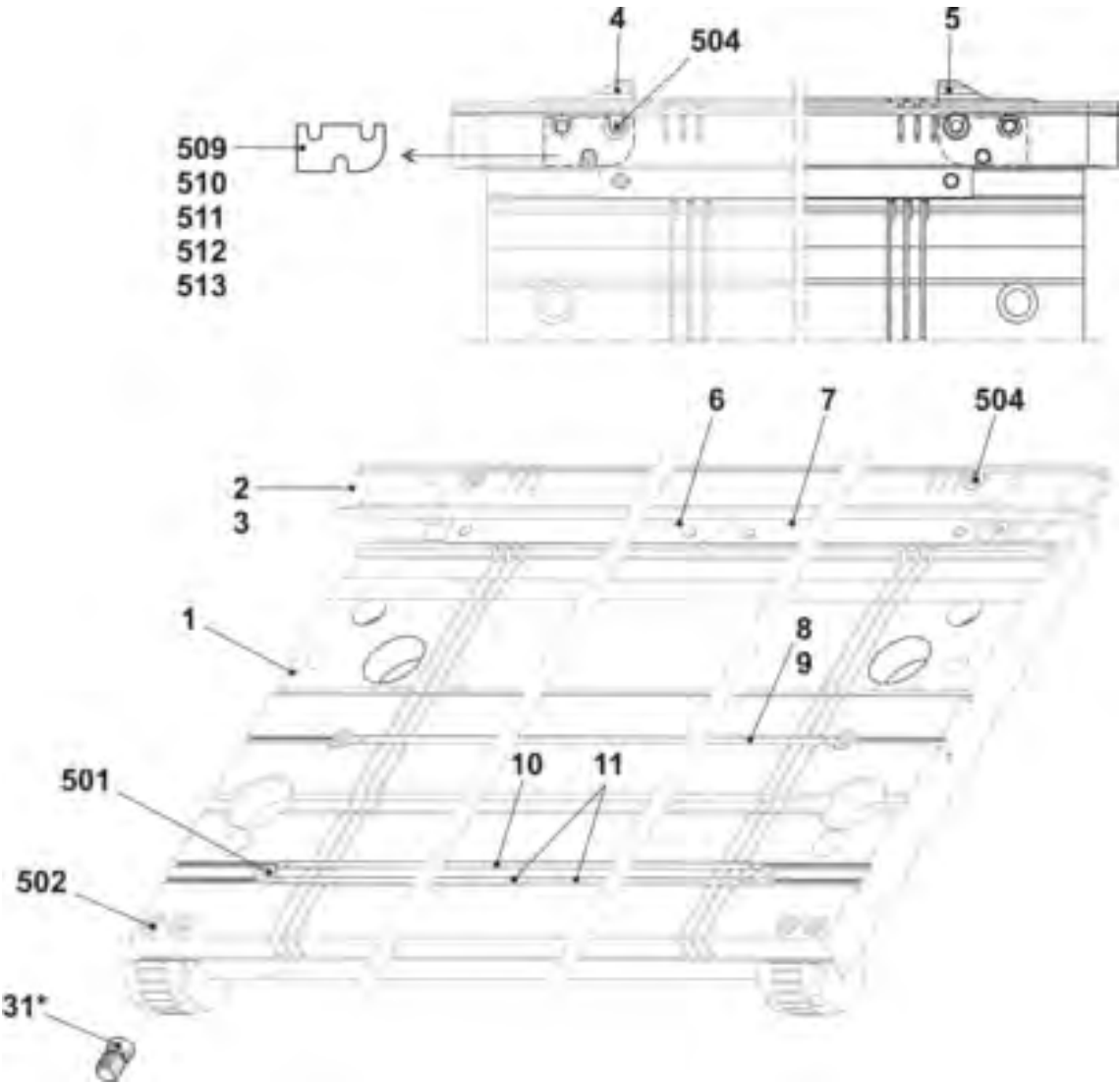
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7m.5	219 335		13	Support	206 352
2	Spring steel wire Ø0.8	219 667		503	Cap screw M5x8-8.8	023 154
3	Spring steel wire Ø2.0	218 676		505	Cap screw M5x8	023 379
4a	Needle E5-6 with round hook	205 396		506	Setscrew M6x12-45	022 400
4b	Coupling part E4-8	200 682		507	Sprung thrust piece B-M10	023 177
6	Intermediate slider with brake E5-8	237 323		30*	Adjusting piece	206 375
7a	Selection jack E4-8	200 687		31*	Set screw complete	207 712
7b	Selector spring E4-8	200 690		40*	Disk brush	235 612
10	Knock-over bit E7	207 055		42*	Disk brush	202 600
11	Holding-down jack E7	205 032		520*	Cap screw M5x12	020 032
12	Fixed wire ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



4.11 Needle bed E7m.8

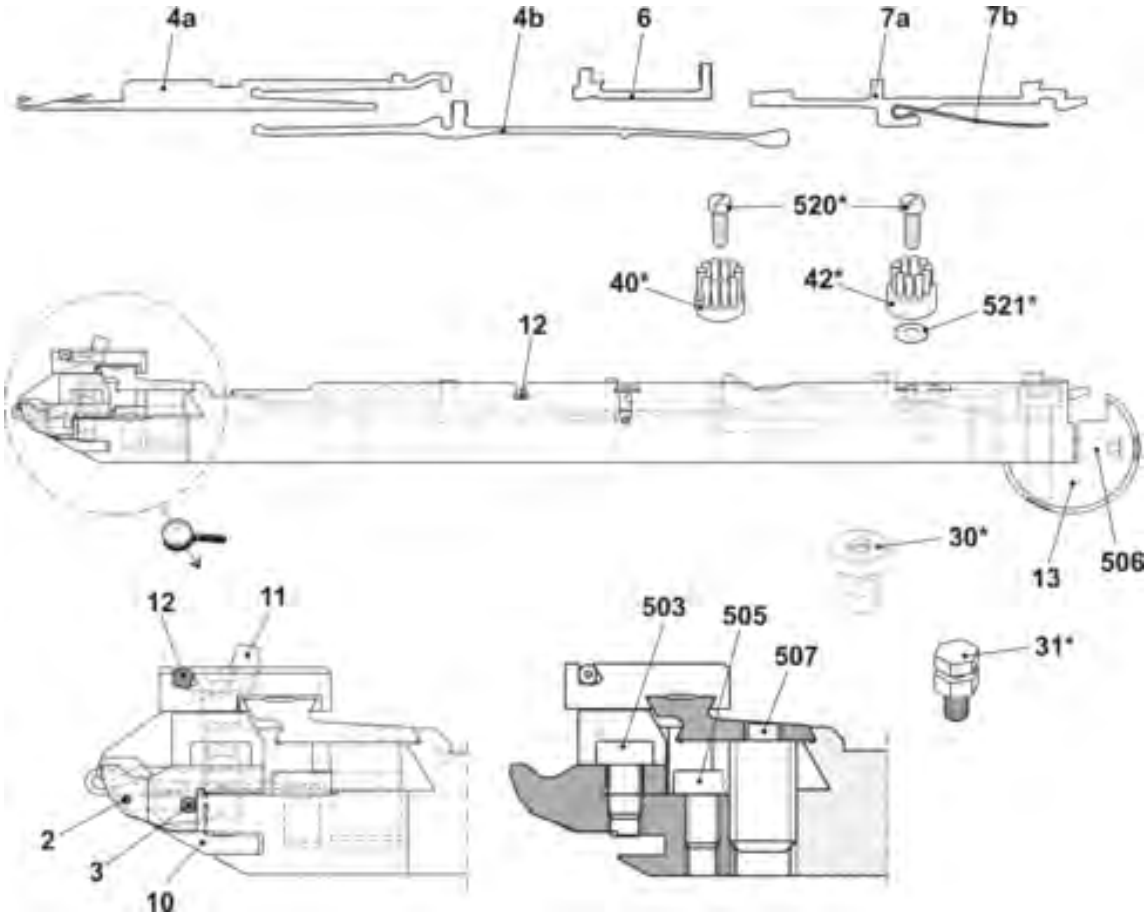
4.11 Needle bed E7m.8

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7m.8	219 336				
1	Needle bed at the front and rear E7	218 217		11	Cover rail	218 729
2	Holding-down jack bed at the rear E7	218 709		501	Cap screw M5X10	022 918
3	Holding-down jack bed at the front E7	218 706		502	Cap screw M6X25	020 137
4	Limiter on the left	205 343		504	Cap screw M5X22	023 193
5	Limiter on the right	205 344		509	Shim 0.02x18.5x34	023 194
6	Needle rail on the left	218 732		510	Shim 0.03x18.5x34	023 195
7	Needle rail on the right	218 733		511	Shim 0.05x18.5x34	023 196
8	Cover rail at the rear	218 725		512	Shim 0.1x18.5x34	023 197
9	Cover rail at the front E7	218 930		513	Shim 0.2x18.5x34	023 253
10	Cover rail	218 728		31*	Adjusting bolt	240 765



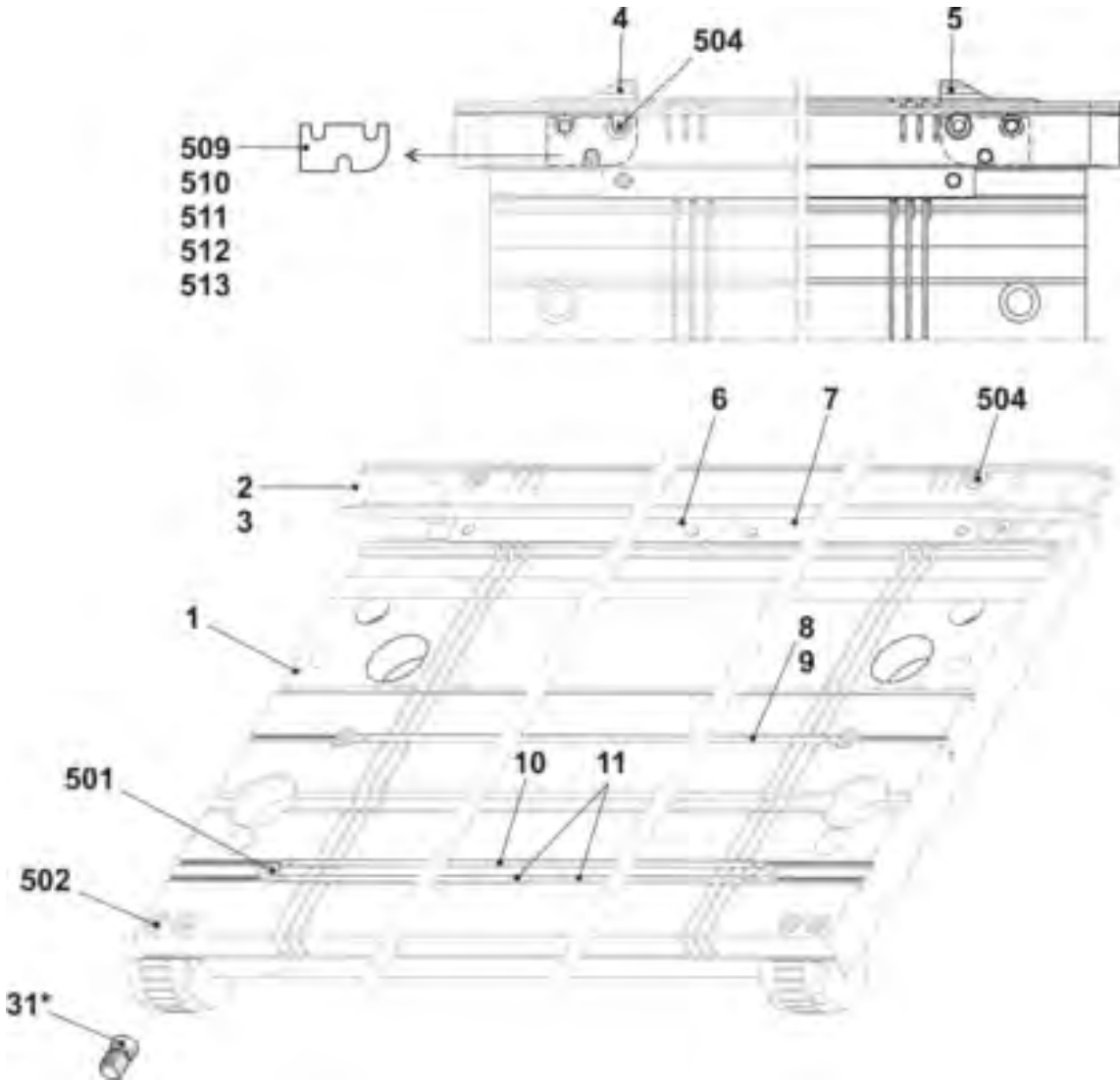
4.11.1 Continuation needle bed E7m.8

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7m.8	219 336		13	Support	206 352
2	Spring steel wire Ø0.8	219 667		503	Cap screw M5x8-8.8	023 154
3	Spring steel wire Ø2.0	218 676		505	Cap screw M5x8	023 379
4a	Needle E8 with round hook	208 745		506	Setscrew M6x12-45	022 400
4b	Coupling part E4-8	200 682		507	Sprung thrust piece B-M10	023 177
6	Intermediate slider with brake E5-8	237 323		30*	Adjusting piece	206 375
7a	Selection jack E4-8	200 687		31*	Set screw complete	207 712
7b	Selector spring E4-8	200 690		40*	Disk brush	235 612
10	Knock-over bit E7	207 055		42*	Disk brush	202 600
11	Holding-down jack E7	205 032		520*	Cap screw M5x12	020 032
12	Fixed wire ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



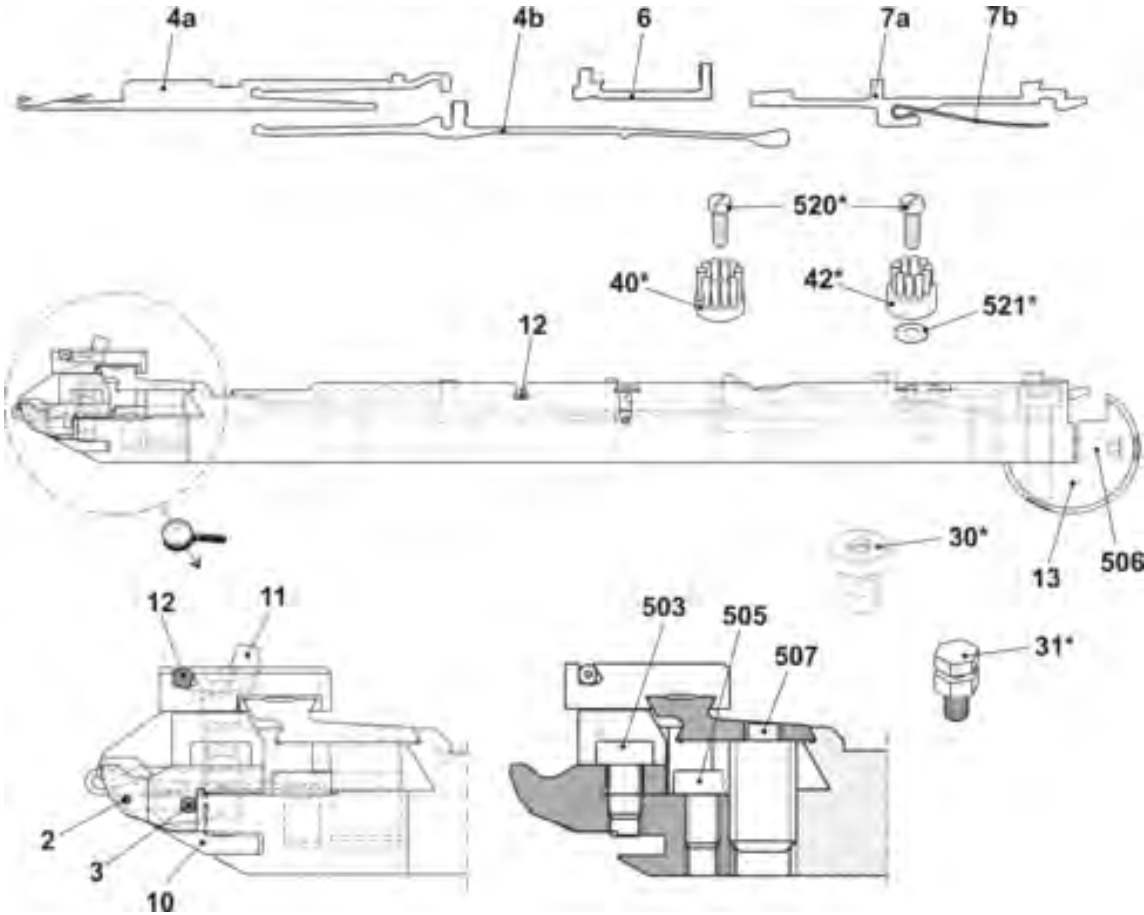
4.12 Needle bed E8m.7

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E8m.7	219 337				
1	Needle bed at the front rear E8	218 218		11	Cover rail	218 729
2	Holding-down jack bed at the rear E8	218 710		501	Cap screw M5X10	022 918
3	Holding-down jack bed at the front E8	218 707		502	Cap screw M6X25	020 137
4	Limiter on the left	205 343		504	Cap screw M5X22	023 193
5	Limiter on the right	205 344		509	Shim 0.02x18.5x34	023 194
6	Needle rail on the left	218 732		510	Shim 0.03x18.5x34	023 195
7	Needle rail on the right	218 733		511	Shim 0.05x18.5x34	023 196
8	Cover rail at the rear	218 725		512	Shim 0.1x18.5x34	023 197
9	Cover rail at the front E8	218 931		513	Shim 0.2x18.5x34	023 253
10	Cover rail	218 728		31*	Adjusting bolt	240 765



4.12.1 Continuation needle bed E8m.7

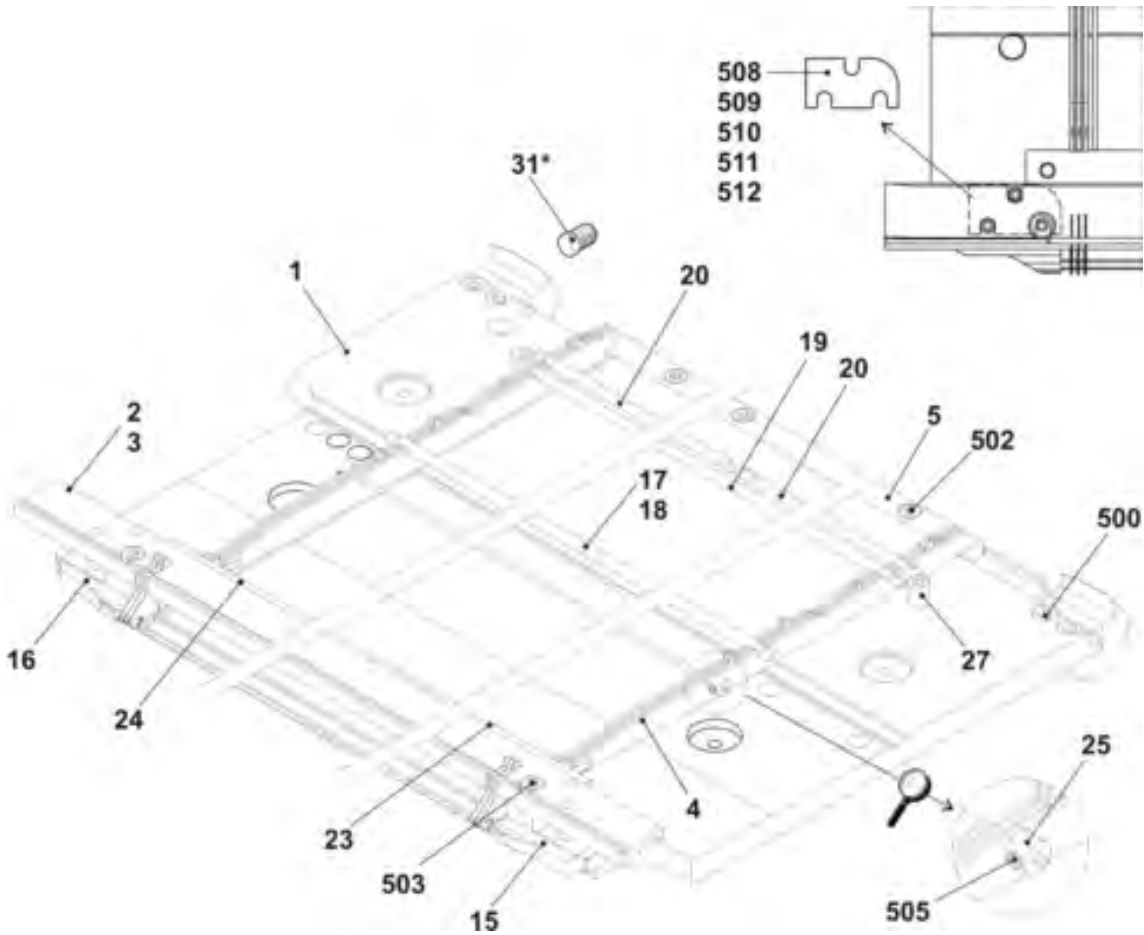
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E8m.7	219 337		13	Support	206 352
2	Spring steel wire Ø0.8	219 667		503	Cap screw M5x8-8.8	023 154
3	Spring steel wire Ø2.0	218 676		505	Cap screw M5x8	023 379
4a	Needle E8	208 745		506	Setscrew M6x12-45	022 400
4b	Coupling part E4-8	200 682		507	Sprung thrust piece B-M10	023 177
6	Intermediate slider	237 323		30*	Adjusting piece	206 375
7a	Selection jack E4-8	200 687		31*	Set screw complete	207 712
7b	Selector spring E4-8	200 690		40*	Disk brush	235 612
10	Knock-over bit E8	207 054		42*	Disk brush	202 600
11	Holding-down jack E8	205 028		520*	Cap screw M5x12	020 032
12	Fixed wire ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



4.13 Needle bed E12m.10

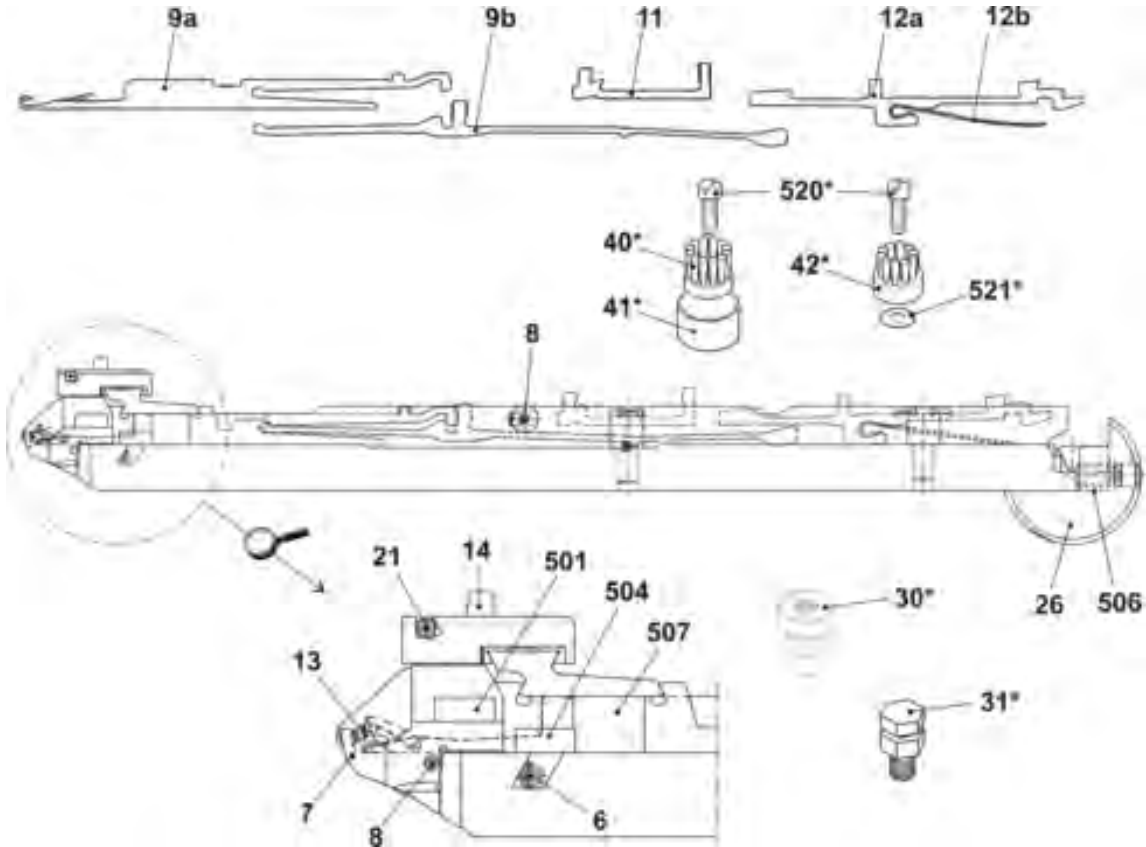
4.13 Needle bed E12m.10

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E12m.10	253 725		24	Needle rail on the right	218 733
1	Needle bed at the front and rear E12	253 721		25	Bush	206 090
2	Holding-down jack bed at the front E12	220 885		27	Stop screw	214 039
3	Holding-down jack bed at the rear E12	220 888		500	Cap screw M6X14	022 658
4	Main trick wall E12	252 628		502	Cap screw M5x8	023 379
5	Pressure slide	218 673		503	Cap screw M5X22	023 193
15	Limiter on the left E10-E14	205 764		505	Setscrew M3.5x3	020 512
16	Limiter on the right E4-E8	205 765		508	Shim 0.02x18.5x34	023 194
17	Cover rail at the rear	218 725		509	Shim 0.03x18.5x34	023 195
18	Cover rail at the front E12	218 727		510	Shim 0.05x18.5x34	023 196
19	Cover rail	218 728		511	Shim 0.1x18.5x34	023 197
20	Cover rail	218 729		512	Shim 0.2x18.5x34	023 253
23	Needle rail on the left	218 732		31*	Adjusting bolt	240 765



4.13.1 Continuation needle bed E12m.10

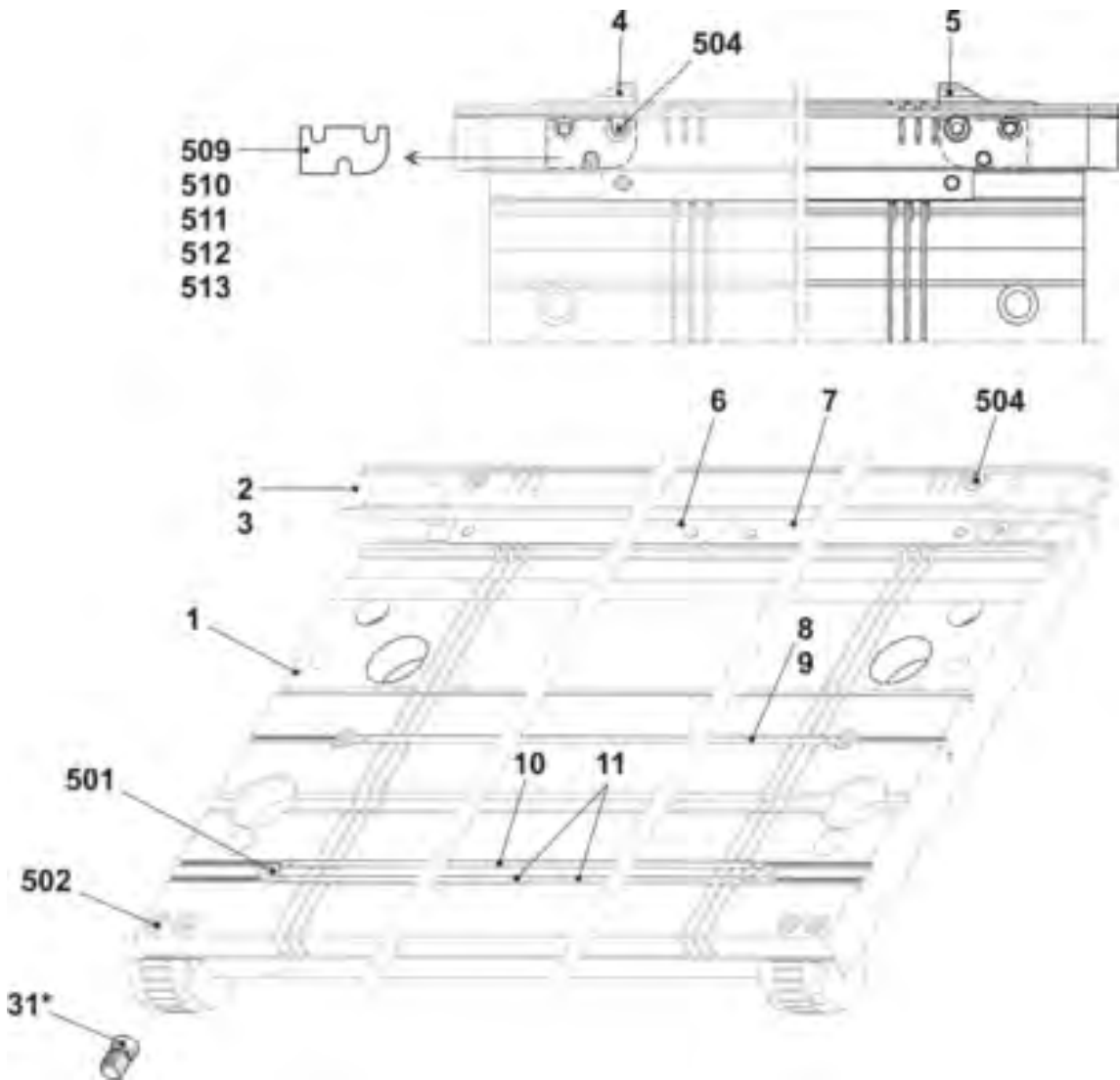
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E12m.10	253 725				
6	Fixed wire Ø3.4	218 674		26	Support	206 352
7	Spring steel wire Ø0.6	218 675		501	Cap screw M5x8-8.8 M	023 154
8	Spring steel wire Ø2.0	251 075		504	Cap screw M5x12-8.8	022 943
9a	Needle E10 with round hook	205 398		506	Setscrew M6x12-45	022 400
9b	Coupling part E10-12	200 683		507	Sprung thrust piece B-M10	023 177
11	Intermediate slider with brake E5-E8	237 324		30*	Adjusting piece	206 375
12a	Selection jack E10-12	200 688		31*	Set screw complete	207 712
12b	Selector spring E10-12	200 691		40*	Disk brush	235 612
13	Knock-over bit E12	205 013		41*	Container disk brush	233 012
14	Holding-down jack trick wall E12	227 821		42*	Disk brush	202 600
21	Fixed wire ø2.8	218 730		520*	Cap screw M5x12	020 032
22	Spring steel wire Ø1.95	218 731		521*	Adjusting washer P6x12x0.3	023 540



4.14 Needle bed E2,5.2

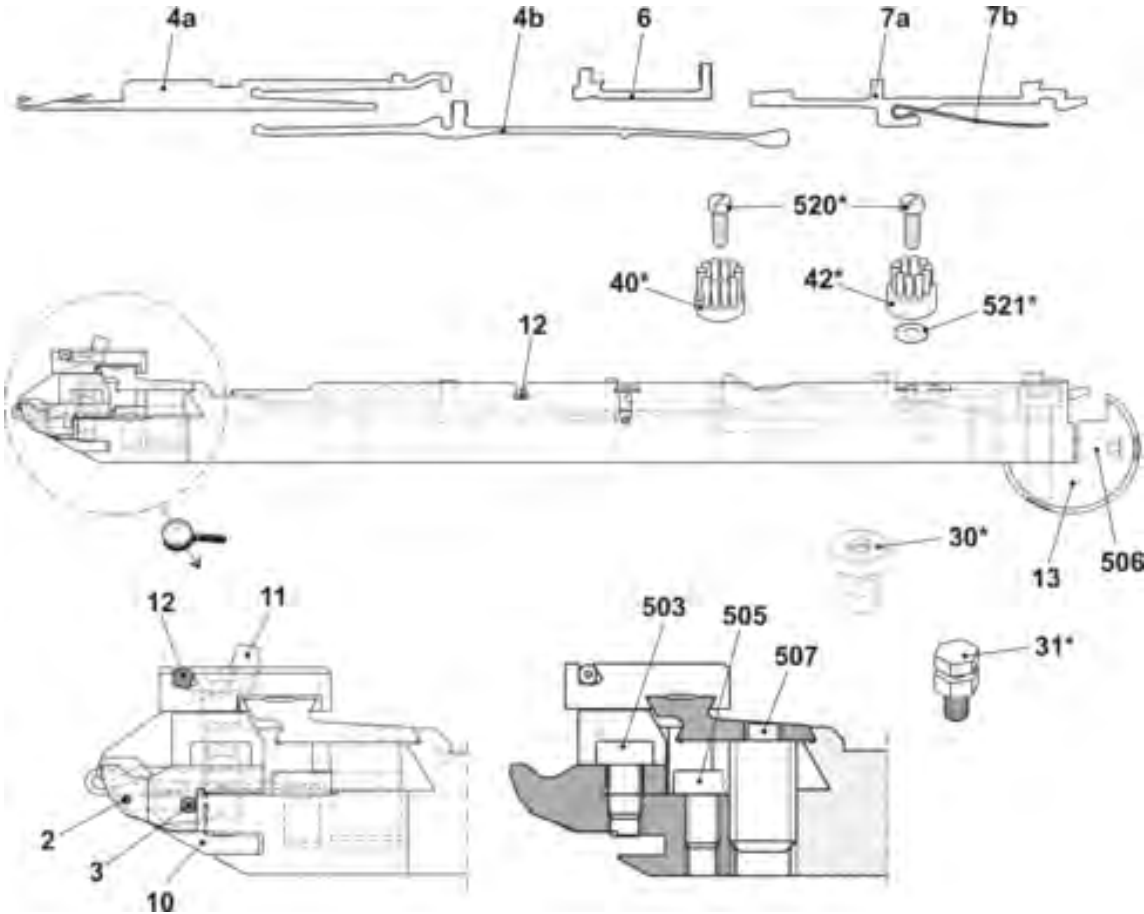
4.14 Needle bed E2,5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E2,5.2	229 518				
1	Needle bed at the front rear E5	218 216		11	Cover rail	218 729
2	Holding-down jack bed at the rear E2,5.2	229 427		501	Cap screw M5X10	022 918
3	Holding-down jack bed at the front E2,5.2	229 426		502	Cap screw M6X25	020 137
4	Limiter on the left E4-E8	205 343		504	Cap screw M5X22	023 193
5	Limiter on the right E4-8	205 344		509	Shim 0.02x18.5x34	023 194
6	Needle rail on the left	218 732		510	Shim 0.03x18.5x34	023 195
7	Needle rail on the right	218 733		511	Shim 0.05x18.5x34	023 196
8	Cover rail at the rear	218 725		512	Shim 0.1x18.5x34	023 197
9	Cover rail at the front E5	218 955		513	Shim 0.2x18.5x34	023 253
10	Cover rail	218 728		31*	Adjusting bolt	240 765



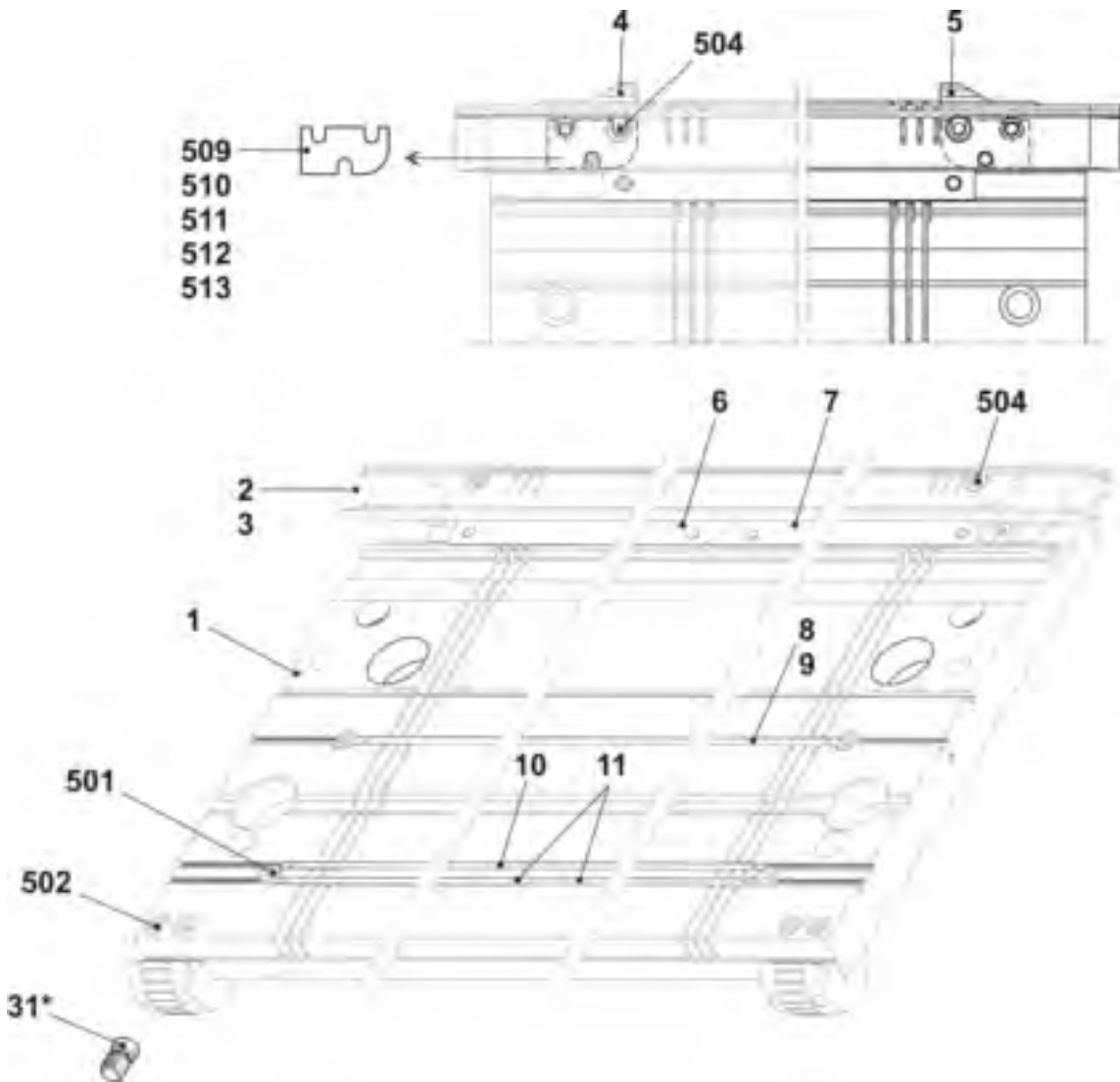
4.14.1 Continuation needle bed E2,5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E2,5.2	229 518		13	Support	206 352
2	Spring steel wire Ø1.0	218 961		503	Cap screw M5x8-8.8	023 154
3	Spring steel wire Ø2.0	218 676		505	Cap screw M5x8	023 379
4a	Needle E2,5.2-6,5.2	232 581		506	Setscrew M6x12-45	022 400
4b	Coupling part E4-8	200 682		507	Sprung thrust piece B-M10	023 177
6	Intermediate slider with brake E5-8	237 323		30*	Adjusting piece	206 375
7a	Selection jack E4-8	200 687		31*	Set screw complete	207 712
7b	Selector spring E4-8	200 690		40*	Disk brush	235 612
10	Knock-over bit E5	204 996		42*	Disk brush	202 600
11	Holding-down jack E5	205 031		520*	Cap screw M5x12	020 032
12	Fixed wire ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



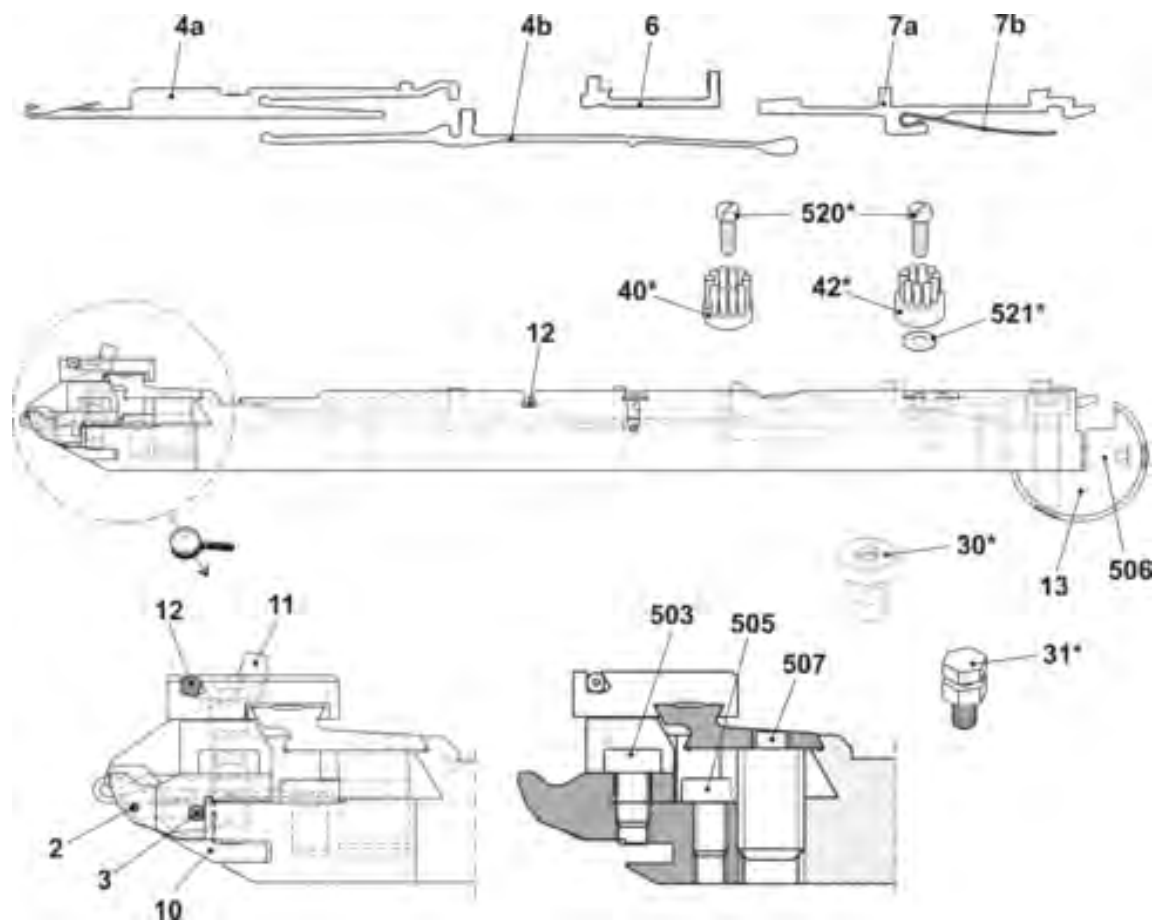
4.15 Needle bed E2,5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E3,5.2	228 584				
1	Needle bed at the front and rear E7	218 217		11	Cover rail	218 729
2	Holding-down jack bed at the rear E3,5.2	229 040		501	Cap screw M5X10	022 918
3	Holding-down jack bed at the front E2,5.2	229 039		502	Cap screw M6X25	020 137
4	Limiter on the left E4-E8	205 343		504	Cap screw M5X22	023 193
5	Limiter on the right E4-8	205 344		509	Shim 0.02x18.5x34	023 194
6	Needle rail on the left	218 732		510	Shim 0.03x18.5x34	023 195
7	Needle rail on the right	218 733		511	Shim 0.05x18.5x34	023 196
8	Cover rail at the rear	218 725		512	Shim 0.1x18.5x34	023 197
9	Cover rail at the front E7	218 930		513	Shim 0.2x18.5x34	023 253
10	Cover rail	218 728		31*	Adjusting bolt	240 765



4.15.1 Continuation needle bed E3,5.2

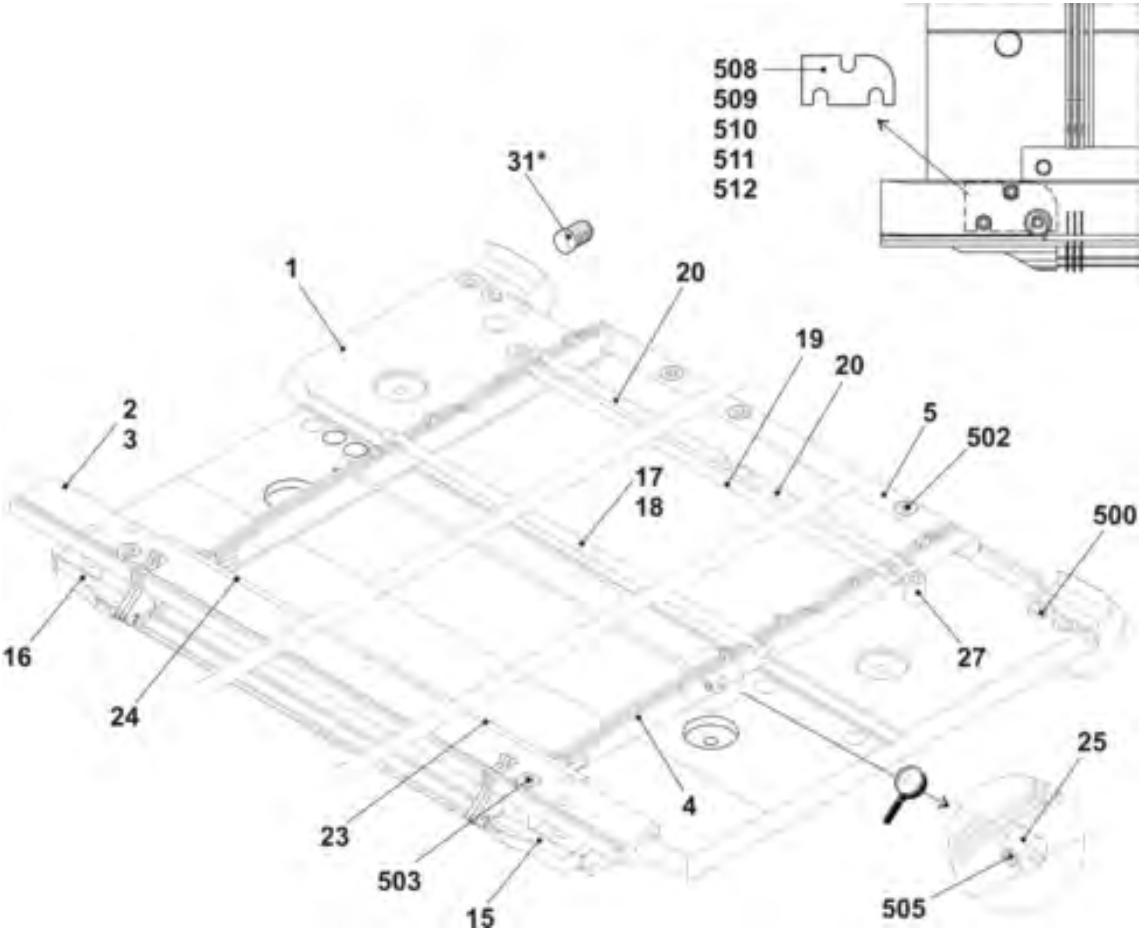
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7	228 584		13	Support	206 352
2	Spring steel wire Ø1.0	218 961		503	Cap screw M5x8-8.8	023 154
3	Spring steel wire Ø2.0	218 676		505	Cap screw M5x8	023 379
4a	Needle E2,5.2-6,5.2	232 581		506	Setscrew M6x12-45	022 400
4b	Coupling part E4-8	200 682		507	Sprung thrust piece B-M10	023 177
6	Intermediate slider with brake E5-8	237 323		30*	Adjusting piece	206 375
7a	Selection jack E4-8	200 687		31*	Set screw complete	207 712
7b	Selector spring E4-8	200 690		40*	Disk brush	235 612
10	Knock-over bit E3,5.2	229 034		42*	Disk brush	202 600
11	Holding-down jack breast	229 032		520*	Cap screw M5x12	020 032
12	Fixed wire ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



4.16 Needle bed E5.2

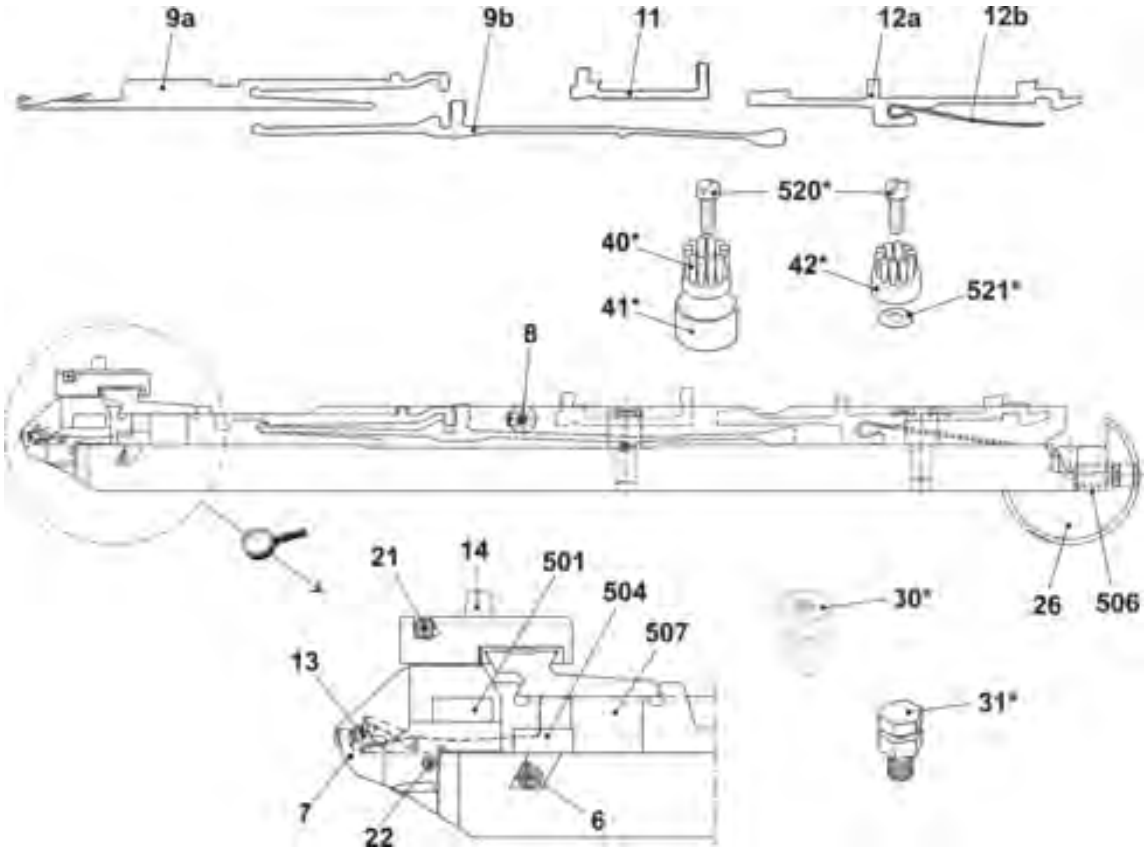
4.16 Needle bed E5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5.2	219 340		24	Needle rail on the right	218 733
1	Needle bed at the front and rear E5.2	219 284		25	Bush	206 090
2	Holding-down jack bed at the front E5.2	219 394		27	Stop screw	214 039
3	Holding-down jack bed at the rear E5.2	219 397		500	Cap screw M6X14	022 658
4	Main trick wall E5.2	219 171		502	Cap screw M5x8	023 379
5	Pressure slide	218 673		503	Cap screw M5X22	023 193
15	Limiter on the left E4-E8	205 343		505	Setscrew M3.5x3	020 512
16	Limiter on the right E4-8	205 344		508	Shim 0.02x18.5x34	023 194
17	Cover rail at the rear	218 725		509	Shim 0.03x18.5x34	023 195
18	Cover rail at the front E10	218 726		510	Shim 0.05x18.5x34	023 196
19	Cover rail	218 728		511	Shim 0.1x18.5x34	023 197
20	Cover rail	218 729		512	Shim 0.2x18.5x34	023 253
23	Needle rail on the left	218 732		31*	Adjusting bolt	240 765



4.16.1 Continuation needle bed E5.2

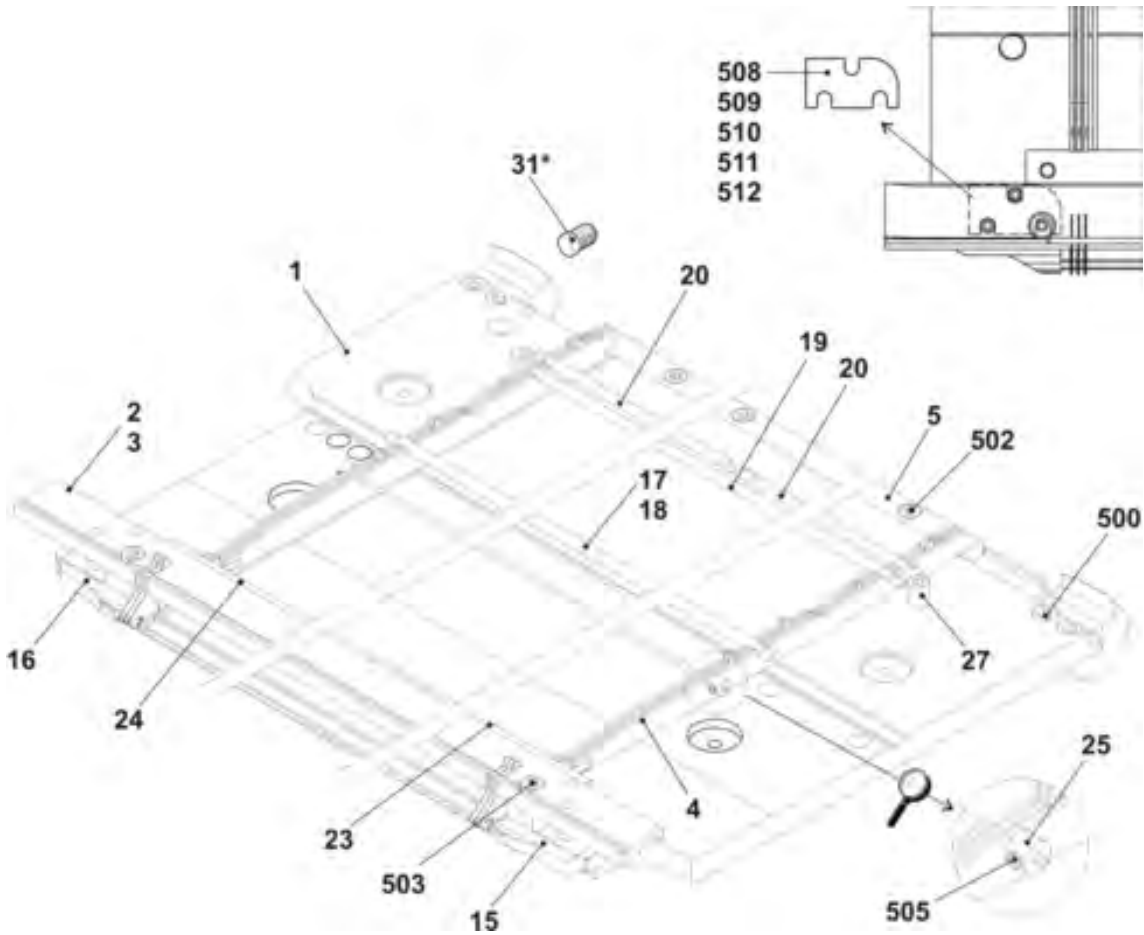
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5.2	219 340				
6	Fixed wire Ø3.4	218 674		26	Support	206 352
7	Spring steel wire Ø1.0	218 961		501	Cap screw M5x8-8.8 M	023 154
8	Spring steel wire Ø2.0	218 676		504	Cap screw M5x12-8.8	022 943
9a	Needle E5.2	219 181		506	Setscrew M6x12-45	022 400
9b	Coupling part E5.2	219 188		507	Sprung thrust piece B-M10	023 177
11	Intermediate slider with brake E5.2	236 030		30*	Adjusting piece	206 375
12a	Selection jack E5.2	219 214		31*	Set screw complete	207 712
12b	Selector spring E5.2	219 265		40*	Disk brush	235 612
13	Knock-over bit E5.2	221 367		41*	Container disk brush	233 012
14	Holding-down jack breast E5.2	229 832		42*	Disk brush	202 600
21	Fixed wire ø2.8	218 730		520*	Cap screw M5x12	020 032
22	Spring steel wire Ø1.95	218 731		521*	Adjusting washer P6x12x0.3	023 540



4.17 Needle bed E6.2

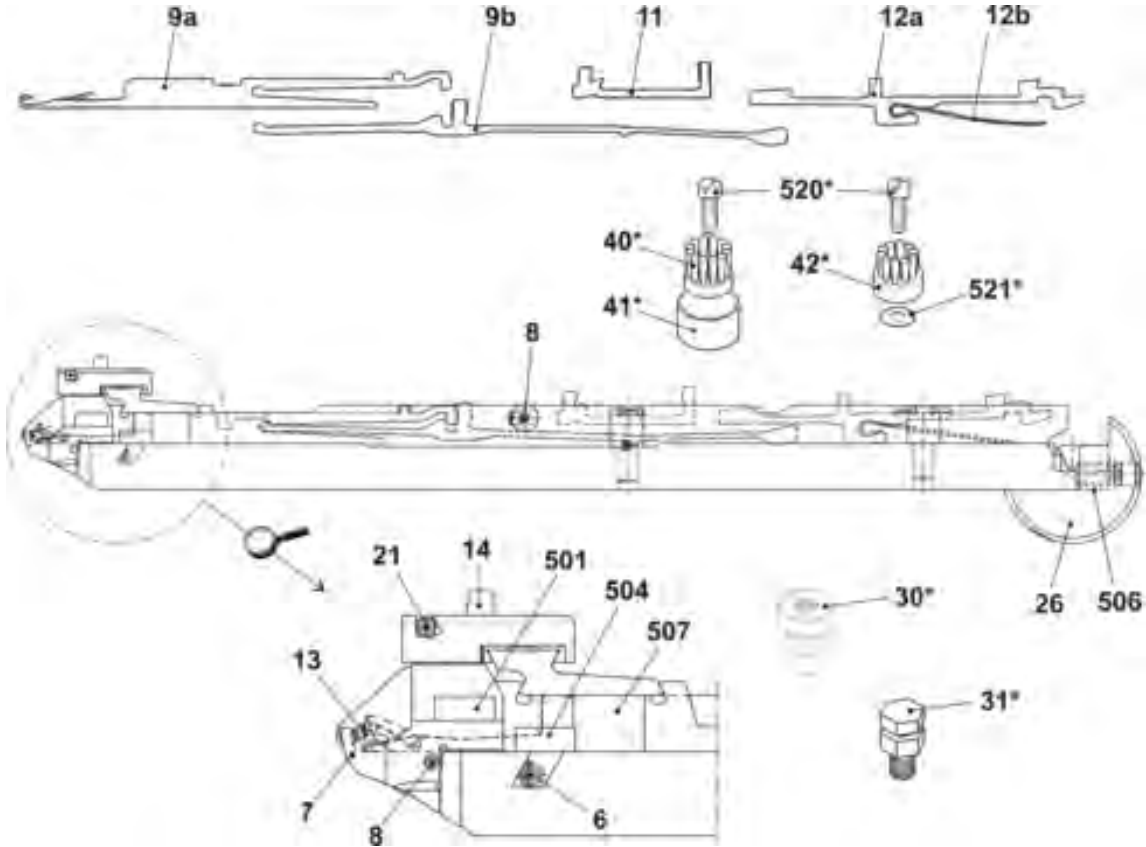
4.17 Needle bed E6.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E6.2	253 726		24	Needle rail on the right	218 733
1	Needle bed at the front and rear E12	253 721		25	Bush	206 090
2	Holding-down jack bed at the front E6.2	218 719		27	Stop screw	214 039
3	Holding-down jack bed at the rear E6.2	218 723		500	Cap screw M6X14	022 658
4	Main trick wall E12	252 628		502	Cap screw M5x8	023 379
5	Pressure slide	218 673		503	Cap screw M5X22	023 193
15	Limiter on the left E10-E14	205 764		505	Setscrew M3.5x3	020 512
16	Limiter on the right E4-E8	205 765		508	Shim 0.02x18.5x34	023 194
17	Cover rail at the rear	218 725		509	Shim 0.03x18.5x34	023 195
18	Cover rail at the front E12	218 727		510	Shim 0.05x18.5x34	023 196
19	Cover rail	218 728		511	Shim 0.1x18.5x34	023 197
20	Cover rail	218 729		512	Shim 0.2x18.5x34	023 253
23	Needle rail on the left	218 732		31*	Adjusting bolt	240 765



4.17.1 Continuation needle bed E6.2

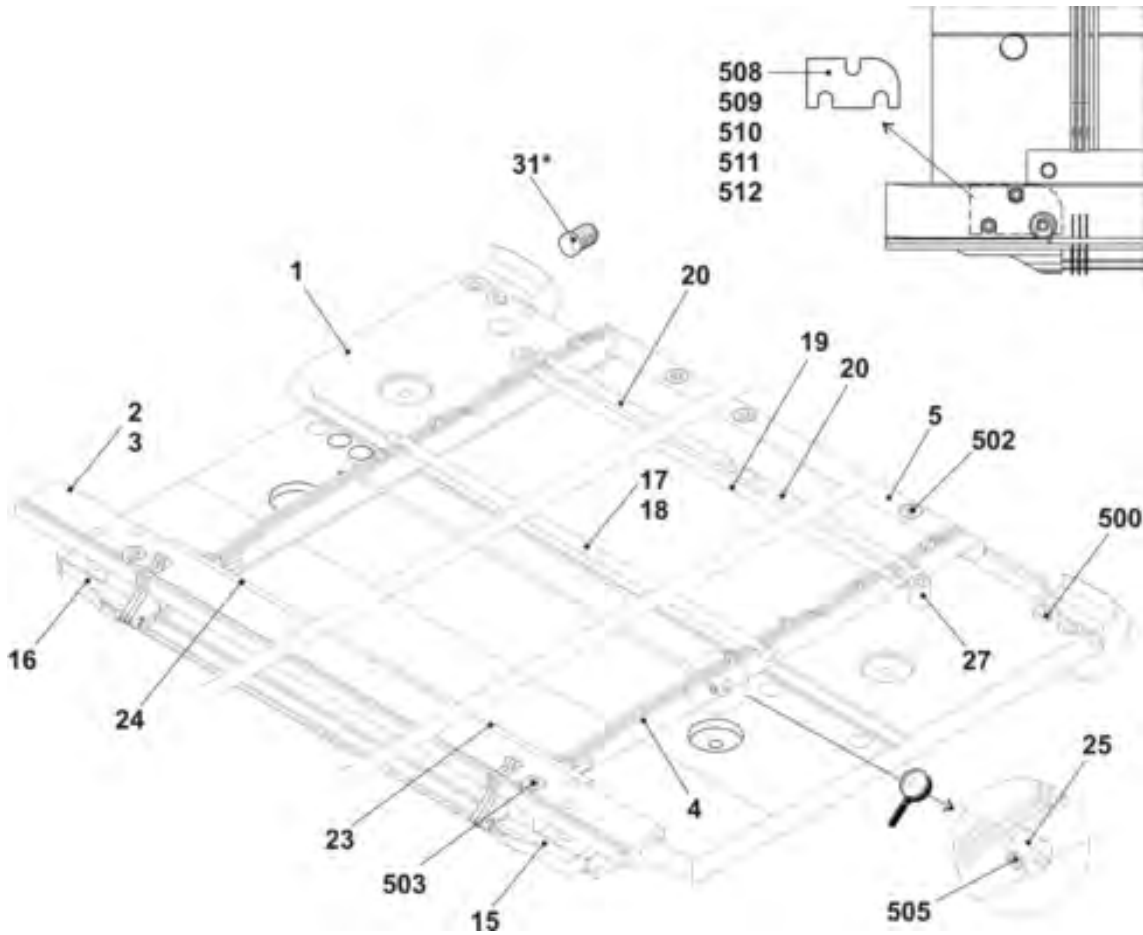
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E6.2	253 726		26	Support	206 352
6	Fixed wire Ø3.4	218 674		501	Cap screw M5x8-8.8 M	023 154
7	Spring steel wire Ø0.6	218 675		504	Cap screw M5x12-8.8	022 943
8	Spring steel wire Ø2.0	251 075		506	Setscrew M6x12-45	022 400
9a	Needle E6.2	207 349		507	Sprung thrust piece B-M10	023 177
9b	Coupling part E10-12	200 683		30*	Adjusting piece	206 375
11	Intermediate slider with brake E5-E8	237 324		31*	Set screw complete	207 712
12a	Selection jack E10-12	200 688		40*	Disk brush	235 612
12b	Selector spring E10-12	200 691		41*	Container disk brush	233 012
13	Knock-over bit E12	205 013		42*	Disk brush	202 600
14	Holding-down jack E6.2	237 852		520*	Cap screw M5x12	020 032
21	Fixed wire ø2.8	218 730		521*	Adjusting washer P6x12x0.3	023 540



4.18 Needle bed E7.2

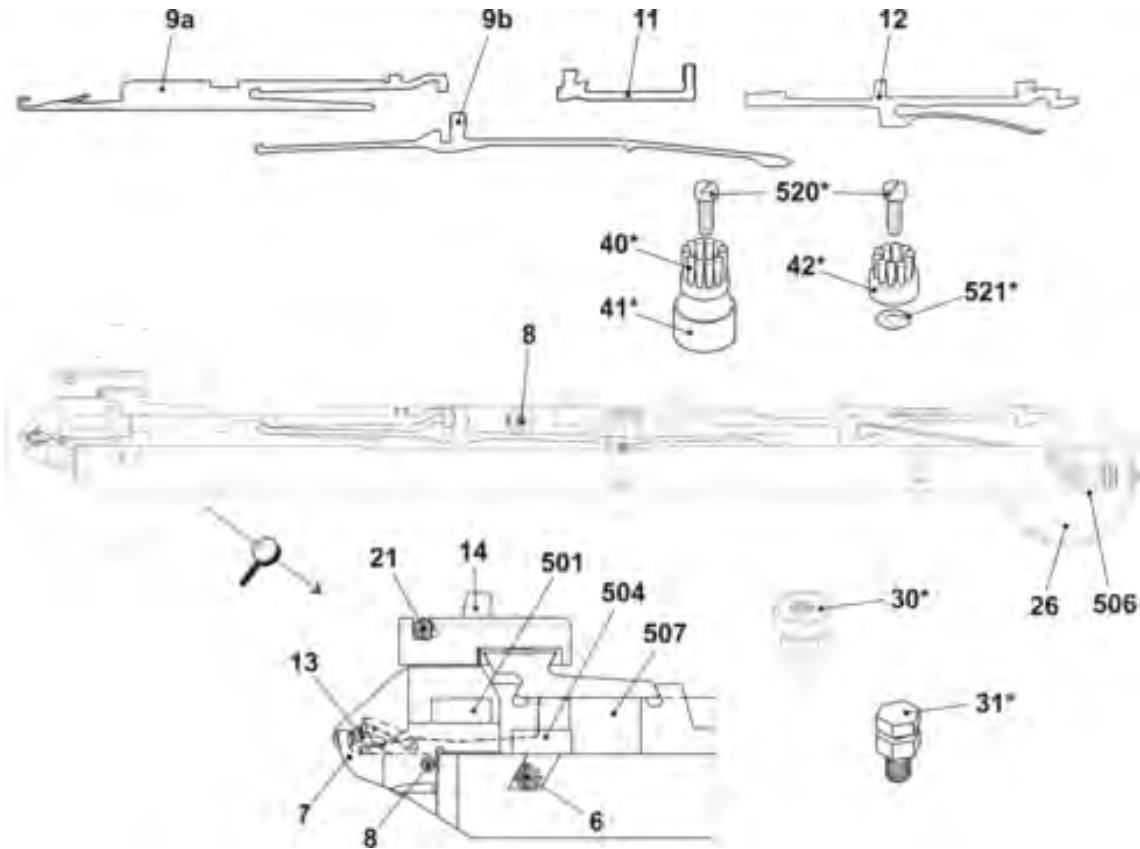
4.18 Needle bed E7.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7.2	253 727		24	Needle rail on the right	218 733
1	Needle bed at the front and rear E14	253 722		25	Bush	206 090
2	Holding-down jack bed at the front E7.2	219 396		27	Stop screw	214 039
3	Holding-down jack bed at the rear E7.2	219 399		500	Cap screw M6X14	022 658
4	Main trick wall E14	252 629		502	Cap screw M5x8	023 379
5	Pressure slide	218 673		503	Cap screw M5X22	023 193
15	Limiter on the left E10-E14	205 764		505	Setscrew M3.5x3	020 512
16	Limiter on the right E4-E8	205 765		508	Shim 0.02x18.5x34	023 194
17	Cover rail at the rear	218 725		509	Shim 0.03x18.5x34	023 195
18	Cover rail at the front E14	219 686		510	Shim 0.05x18.5x34	023 196
19	Cover rail	218 728		511	Shim 0.1x18.5x34	023 197
20	Cover rail	218 729		512	Shim 0.2x18.5x34	023 253
23	Needle rail on the left	218 732		31*	Adjusting bolt	240 765



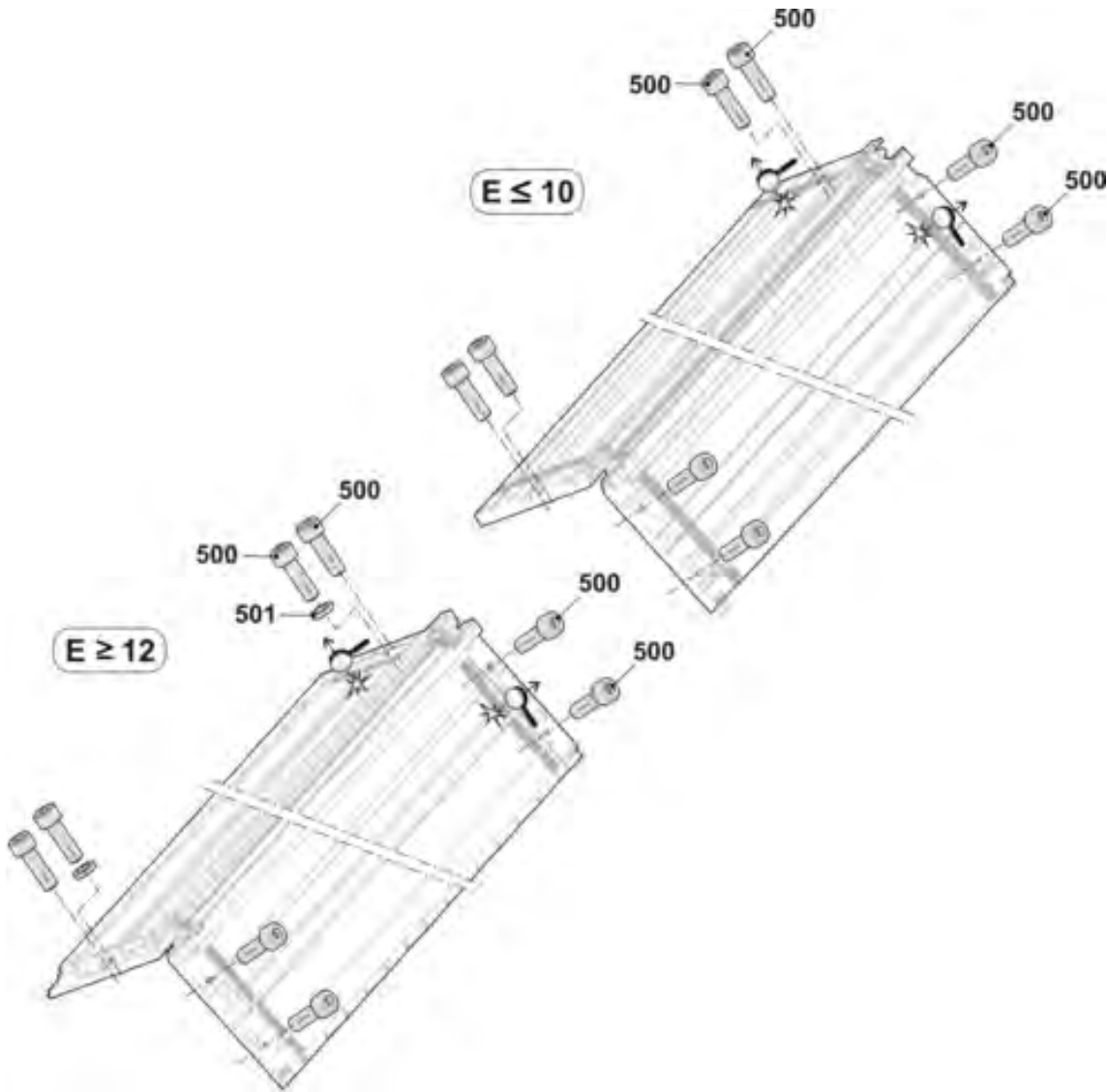
4.18.1 Continuation needle bed E7.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7.2	253 727				
6	Fixed wire Ø3.4	218 674		501	Cap screw M5x8-8.8 M	023 154
7	Spring steel wire Ø0.6	218 675		504	Cap screw M5x12-8.8	022 943
8	Spring steel wire Ø2.0	251 075		506	Setscrew M6x12-45	022 400
9a	Needle E7.2	225 230		507	Sprung thrust piece B-M10	023 177
9b	Coupling part E14	253 383		30*	Adjusting piece	206 375
11	Intermediate slider with brake E14	237 373		31*	Set screw complete	207 712
12	Selection jack with spring E14	224 725		40*	Disk brush	235 612
13	Knock-over bit E7.2	234 903		41*	Container disk brush	233 012
14	Holding-down jack E7.2	236 954		42*	Disk brush	202 600
21	Fixed wire ø2.8	218 730		520*	Cap screw M5x12	020 032
26	Support	206 352		521*	Adjusting washer P6x12x0.3	023 540



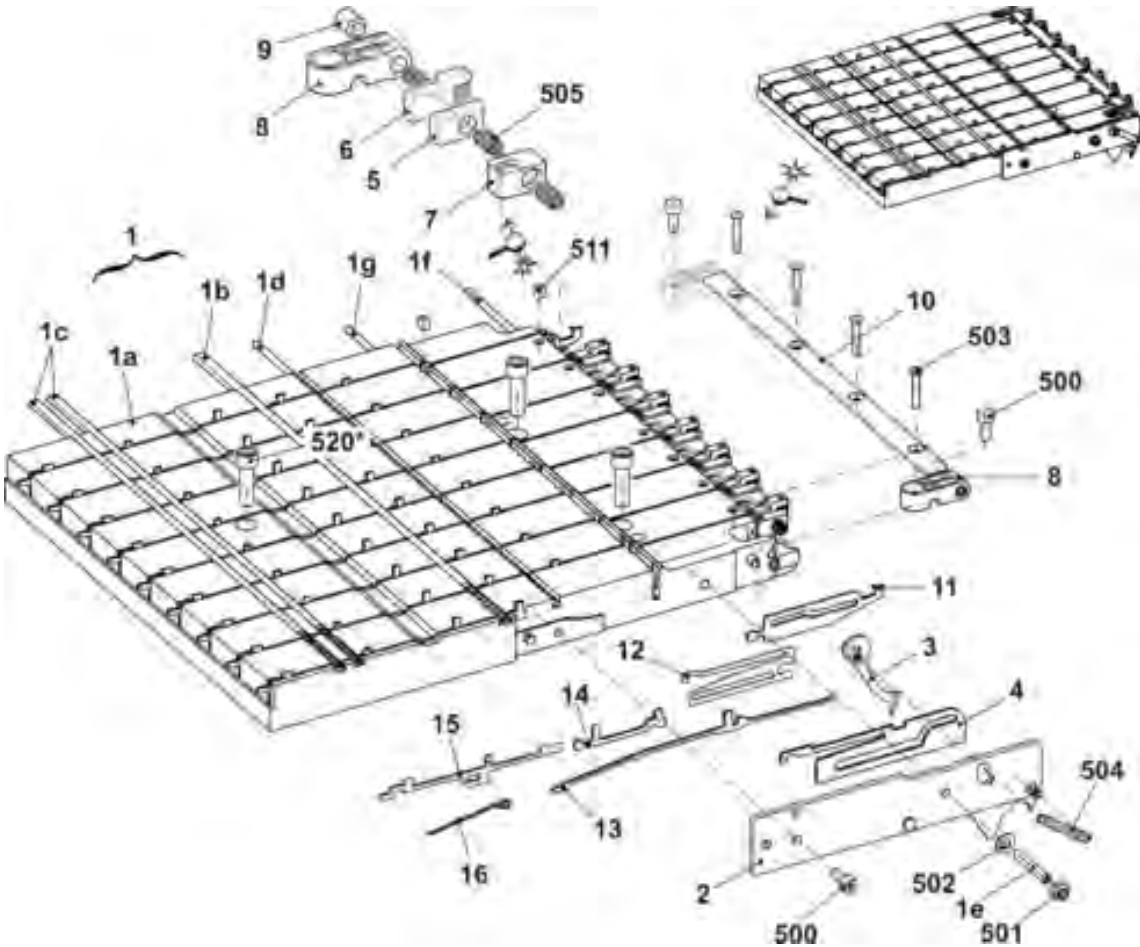
4.19 Needle beds, fixing elements

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



4.20 Left clamping and cutting bed E5|E7|E8|
E10|E12|E14|E2,5.2|E3,5.2|E5.2|E5m.4|E7m.5|
E7m.8|E8m.7|E12m.10

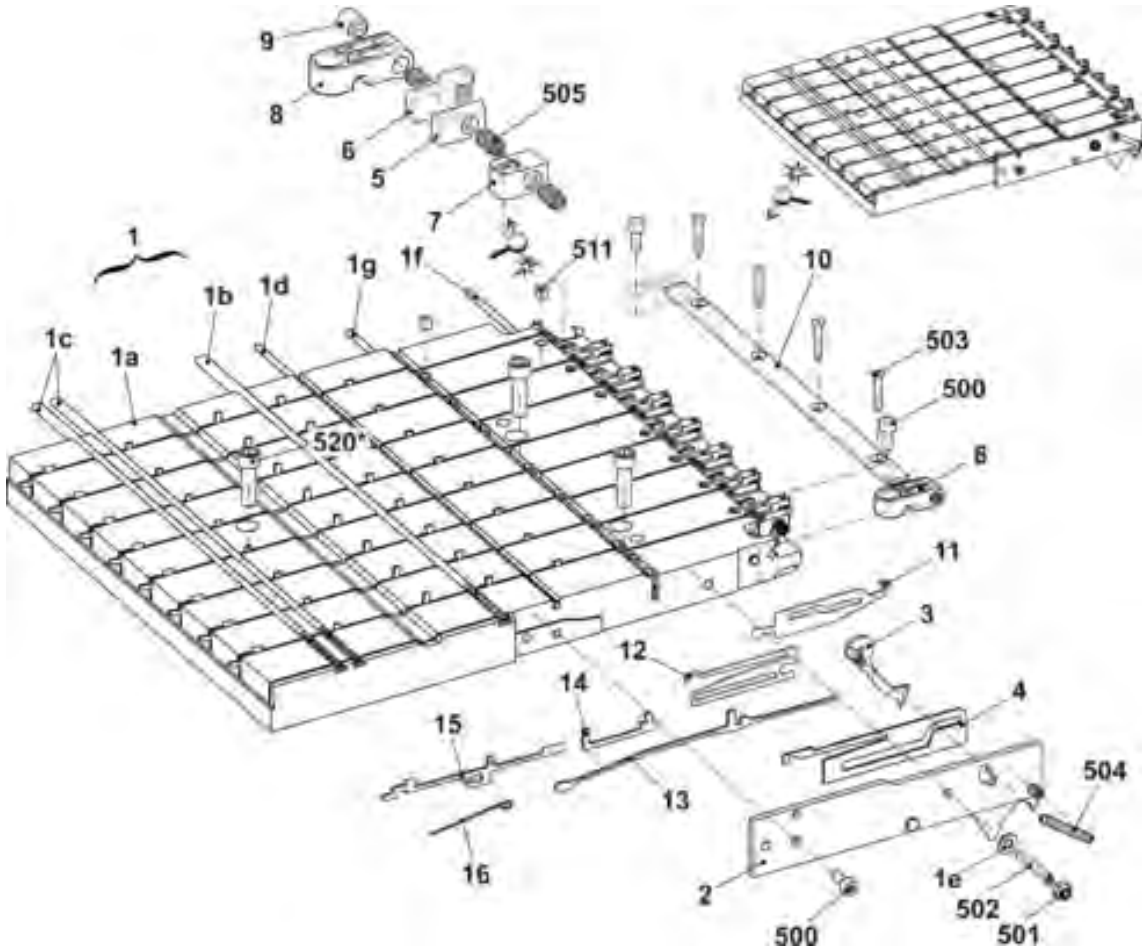
Pos	Designation	Id	Pos	Designation	Id
Σ	Clamping/cutting bed on the left E5-14	257 198	8	Spring holder	255 724
1	Guide plate on the left E5-14	257 194	9	Threaded bolt	255 723
1a	Guide plate on the left E5-14	257 190	10	Holding strip	253 176
1b	Cover rail	253 173	11	Tuck needle on the left E5-4	255 813
1c	Cover rail	253 174	12	Intermediate cam (E10-14)	244 591
1d	Fixed wire	253 172	13	Coupling part E4-8	200 682
E1	Guide pin	211 351	14	Intermediate slider with brake E5-8	237 323
F 1	Fixed wire	253 171	15	Selection jack E4-8	200 687
1g	Fixed wire	215 927	16	Selector spring E4-8	200 690
511	Set screw M5x5	236 061	500	Cap screw M4X10	023 136
2	Cover on the left complete E10-14	251 120	501	Hexagon nut M4	023 046
3	Catch hook on the left E10-14	251 377	502	U-washer 4	020 870
4	Slider E5-14	253 084	503	Countersunk screw M3x18	242 728
5	Blade	243 948	504	Tension spring 5x0.5x17.4	023 377
6	Clamp on the left complete	244 633	505	Compression spring 07x4.3x12.1	023 521
7	Intermediate piece	255 719	520*	Cap screw M6X20	244 824



4.21 Left clamping/cutting bed E16|E18

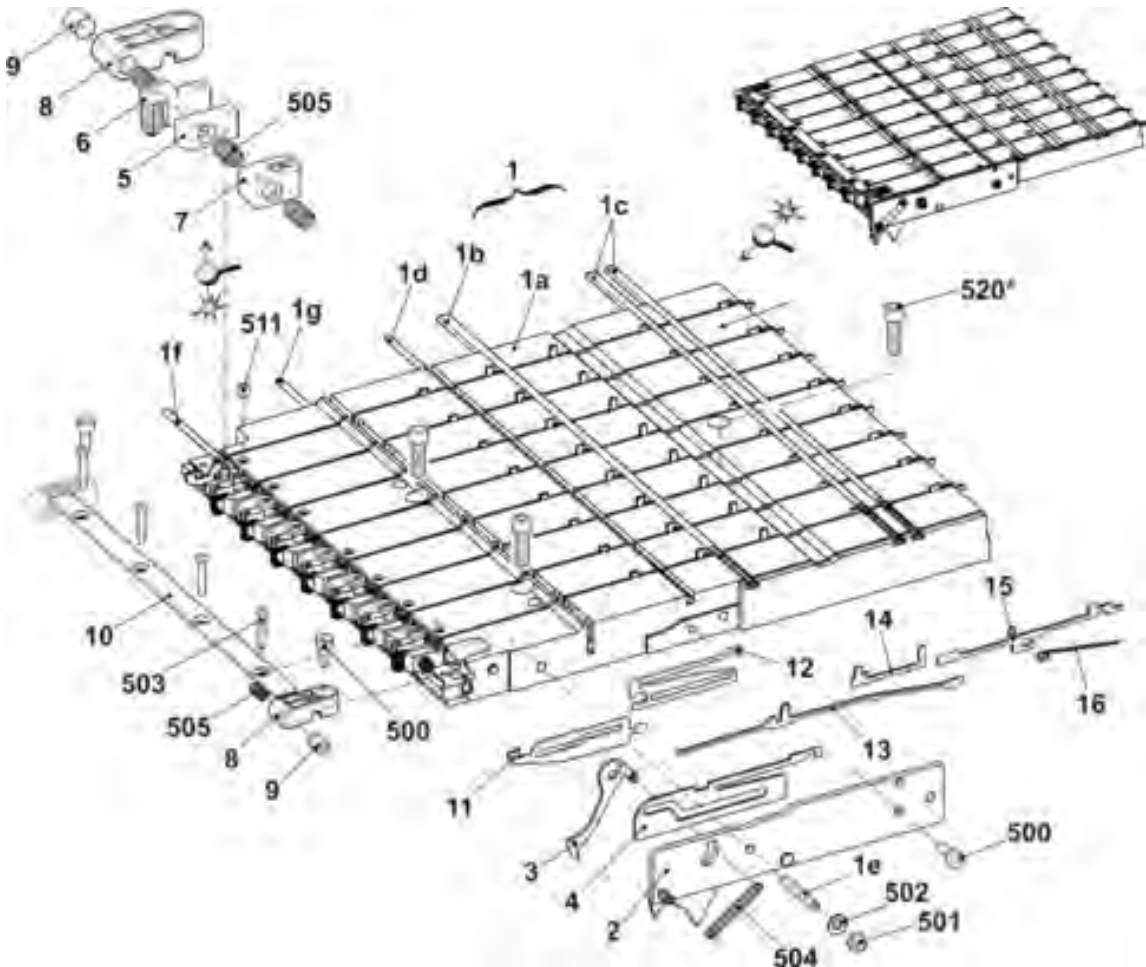
4.21 Left clamping/cutting bed E16|E18

Pos	Designation		Id	Pos	Designation		Id
Σ	Clamping/cutting bed on the left E16-18		257 200	8	Spring holder		255 724
1	Guide plate on the left E16-18		257 196	9	Threaded bolt		255 723
	1a	Guide plate on the left E16-18	257 192	10	Holding strip		253 176
	1b	Cover rail	253 173	11	Tuck needle on the left E16-18		255 814
	1c	Cover rail	253 174	12	Intermediate cam		244 741
	1d	Fixed wire	253 172	13	Coupling part E10-12		200 683
	E1	Guide pin	211 351	14	Intermediate slider with brake E10-12		237 324
	F 1	Fixed wire	253 171	15	Selection jack E10-12		200 688
	1g	Fixed wire	215 927	16	Selector spring E10-12		200 691
	511	Set screw M5x5	236 061	500	Cap screw M4X10		023 136
2	Cover on the left complete E16-18		242 835	501	Hexagon nut M4		023 046
3	Catch hook on the left E16-18		242 831	502	U-washer 4		020 870
4	Slider E16-18		242 828	503	Countersunk screw M3x18		242 728
5	Blade		243 948	504	Tension spring 5x0.5x17.4		023 377
6	Clamp on the left complete		244 633	505	Compression spring 07x4.3x12.1		023 521
7	Intermediate piece		255 719	520*	Cap screw M6X20		244 824



4.22 Right clamping and cutting bed E5|E7|E8|
E10|E12|E14|E2,5.2|E3,5.2|E5.2|E5m.4|E7m.5|
E7m.8|E8m.7|E12m.10

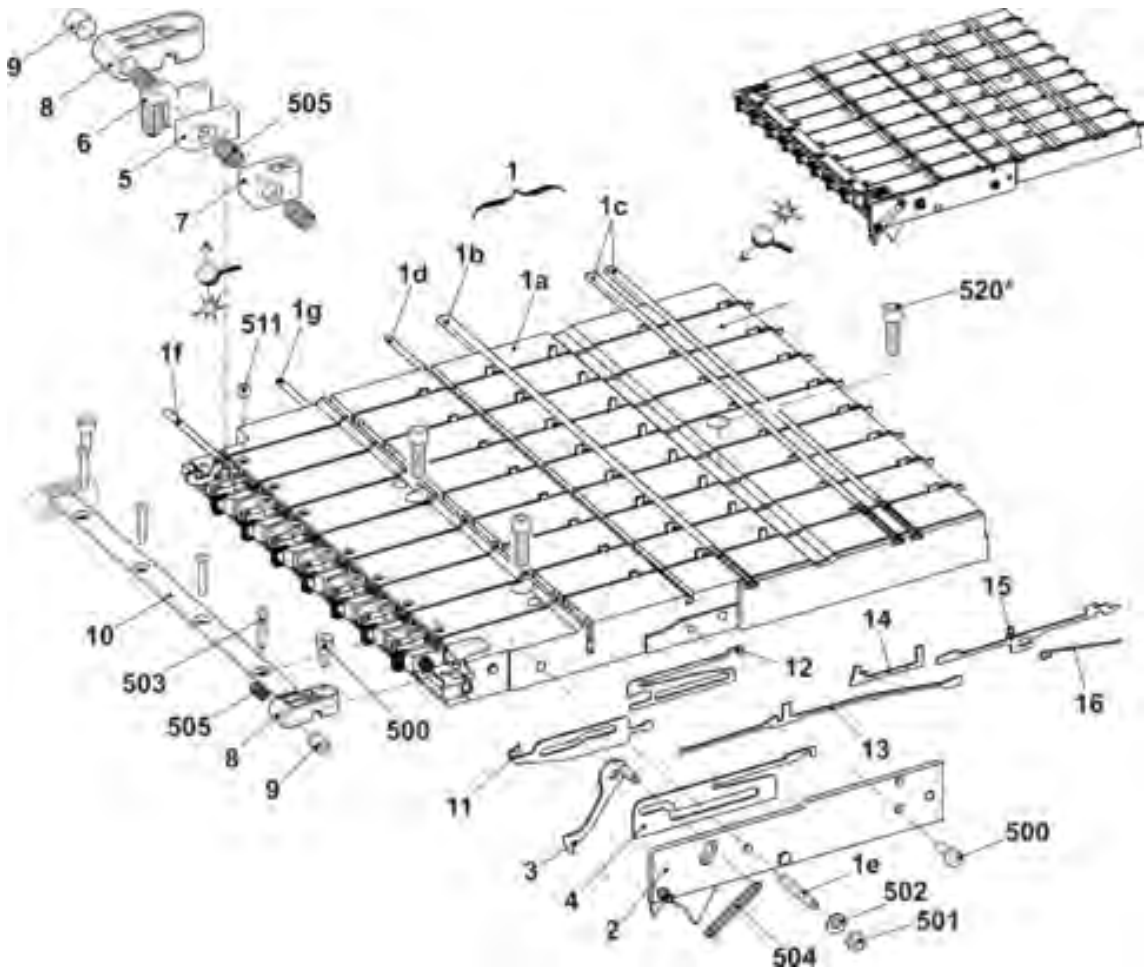
Pos	Designation		Id		Pos	Designation	Id
Σ	Clamping/cutting bed E5-14 on the right		257 197		8	Spring holder	255 424
1	Guide plate EPT on the right E5-14		257 193		9	Threaded bolt	255 723
	1a	Guide plate on the right E5-14	257 189		10	Holding strip	253 176
	1b	Cover rail	253 173		11	Tuck needle on the right E5-14	255 692
	1c	Cover rail	253 174		12	Intermediate cam (E10-14)	244 591
	1d	Fixed wire	253 172		13	Coupling part E4-8	200 682
	E1	Guide pin	211 351		14	Intermediate slider with brake E5-8	237 323
	F 1	Fixed wire	253 171		15	Selection jack E4-8	200 687
	1g	Fixed wire	215 927		16	Selector spring E4-8	200 690
	511	Set screw M5x5	236 061		500	Cap screw M4X10	023 136
2	Cover on the right complete E10-14		251 119		501	Hexagon nut M4	023 046
3	Catch hook on the right E10-14		251 378		502	U-washer 4	020 870
4	Slider E5-14		253 084		503	Countersunk screw M3x18	242 728
5	Blade		243 948		504	Tension spring 5x0.5x17.4	023 377
6	Clamp on the right complete		244 602		505	Compression spring 07x4.3x12.1	023 521
7	Intermediate piece		255 719		520*	Cap screw M6X20	244 824



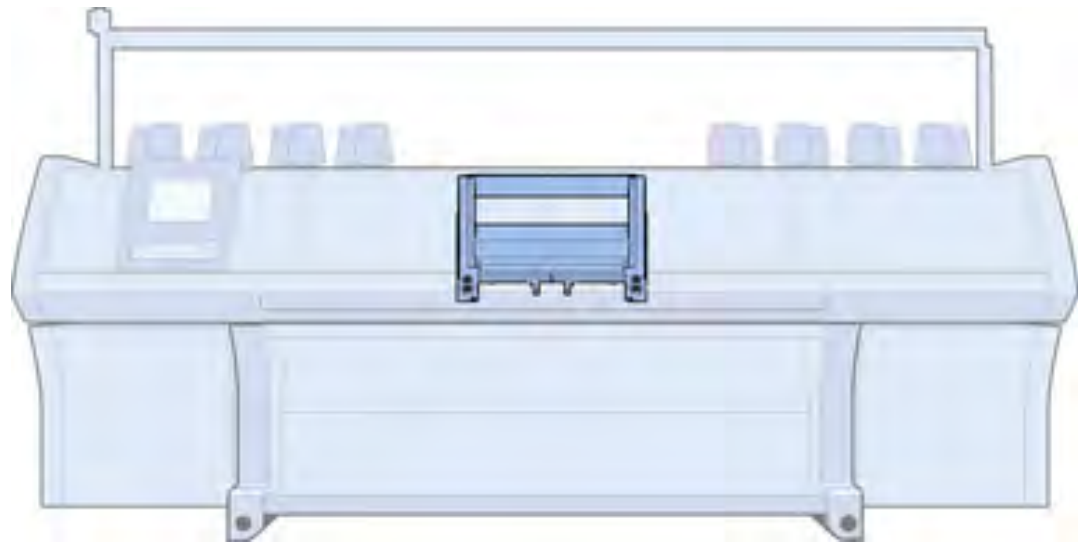
4.23 Right clamping/cutting bed E16 + E18

4.23 Right clamping/cutting bed E16 + E18

Pos	Designation		Id	Pos	Designation		Id
Σ	Clamping/cutting bed on the right E16-18		257 199	8	Spring holder		255 724
1	Guide plate on the right E16-18		257 195	9	Threaded bolt		255 723
	1a	Guide plate on the right E16-18	257 191	10	Holding strip		253 176
	1b	Cover rail	253 173	11	Tuck needle on the right E16-18		255 693
	1c	Cover rail	253 174	12	Intermediate cam		244 741
	1d	Fixed wire	253 172	13	Coupling part E10-12		200 683
	E1	Guide pin	211 351	14	Intermediate slider with brake E10-12		237 324
	F 1	Fixed wire	253 171	15	Selection jack E10-12		200 688
	1g	Fixed wire	215 927	16	Selector spring E10-12		200 691
	511	Set screw M5x5	236 061	500	Cap screw M4X10		023 136
2	Cover on the right complete E16-20		242 836	501	Hexagon nut M4		023 046
3	Catch hook on the right E16-18		242 833	502	U-washer 4		020 870
4	Slider E16-20		242 828	503	Countersunk screw M3x18		242 728
5	Blade		243 948	504	Tension spring 5x0.5x17.4		023 377
6	Clamp on the right complete		244 602	505	Compression spring 07x4.3x12.1		023 521
7	Intermediate piece		255 719	520*	Cap screw M6X20		244 824



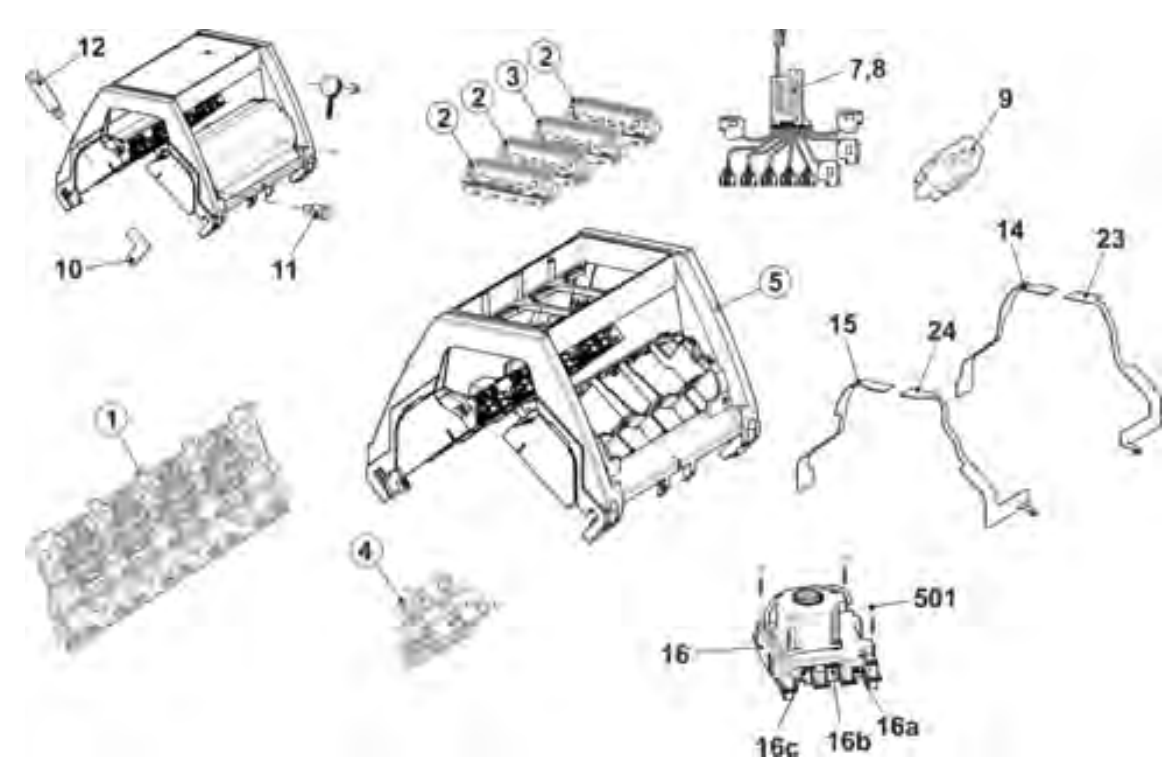
5 Carriage



5.1 Overview of carriage

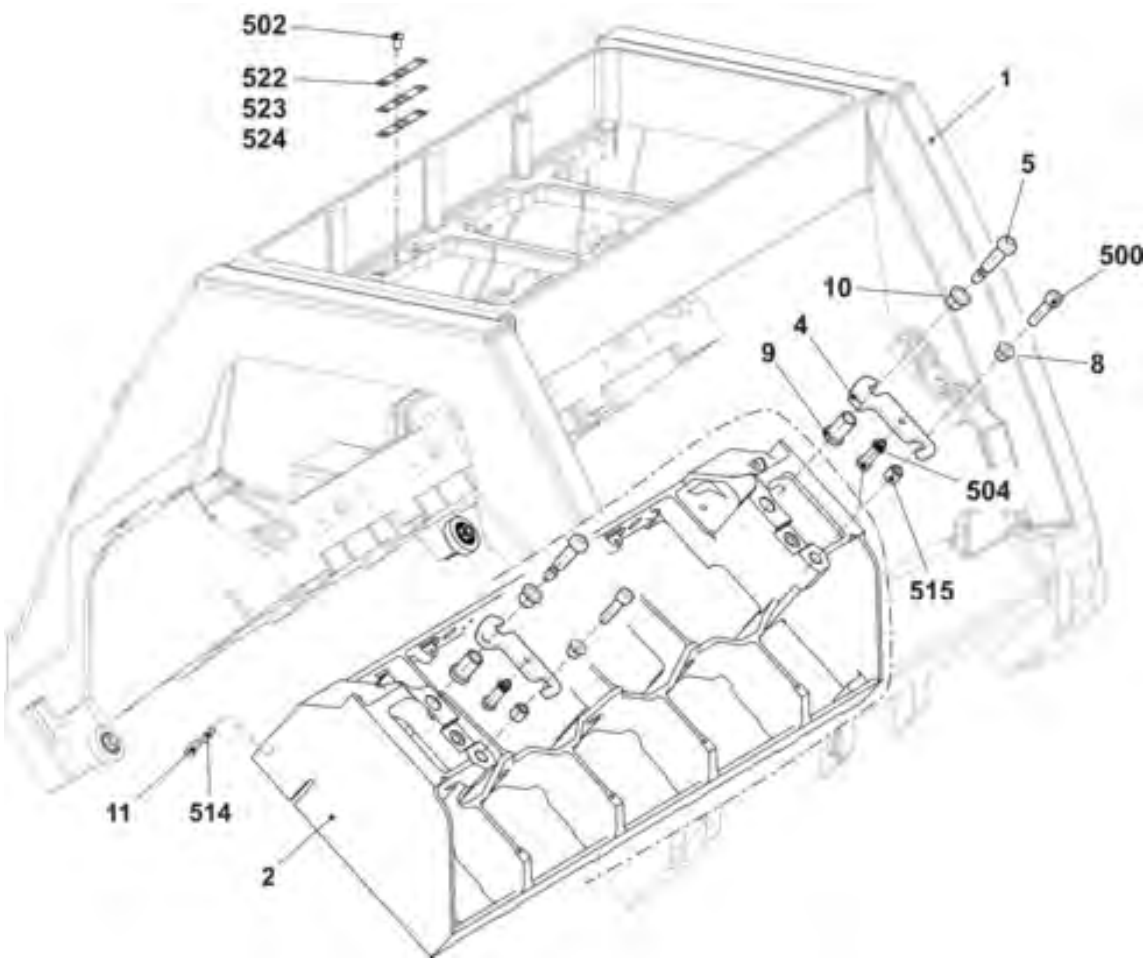
5.1 Overview of carriage

Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage complete			1	Cam box (set) complete	
	E5 E5m.4 E7m.5 E2,5.2 E3,5.2	256 283			E5 E5m.4 E7m.5 E2,5.2 E3,5.2	250 084
	E7 E8 E7m.8 E8m.7	256 284			E7 E8 E7m.8 E8m.7	250 085
	E10	256 285			E10	250 087
	E12	256 286			E12	245 039
	E14	256 287			E14	245 281
	E16 E18	256 288			E16-18	250 088
	E12m.10	256 289			E12m.10	243 407
	E5.2	256 290			E5.2	244 375
	E6.2	256 291			E6.2	244 376
	E7.2	256 292			E7.2	243 397
	2	YC driving outside complete			245 297	7
3	YC driving in the middle complete	245 298	8	Distributor at the front 740	243 274	
4	Holding-down jack control complete		10	Wiper (felt)	241 411	
	E5 E7 E8 E7m.8 E8m.7 E5m.4 E7m.5 E2,5.2 E3,5.2	241 515	11	Bolts	212 392	
	E10	241 516	12	Bolts	243 171	
	E12 E14 E6.2 12m.10 E7.2	241 517	14	Cover plate on the left	250 274	
	E16 E18	250 250	15	Cover plate on the right	250 275	
	E5.2 E7.2	241 518	16	Motor unit complete (AT=711017)	253 531	
5	Carriage assembly 4 cam boxes complete	256 496		16a	Gear rack at the top	209 781
9	Selection system complete			16b	Gear rack in the middle	209 782
	E5-8/7m.8/8m.7/5m.4/7m.5/2,5.2/3,5.2 /E5.2	216 218		16c	Gear rack at the bottom	209 783
	E10-12/10m.12/12m.10/5.2/6.2	216 219	23	Guide plate at the rear on the left	245 323	
	E14/7.2	229 300	24	Guide plate at the rear on the right	245 324	
	E16-20/9.2	220 114	501	Cap screw M4x30	023 290	



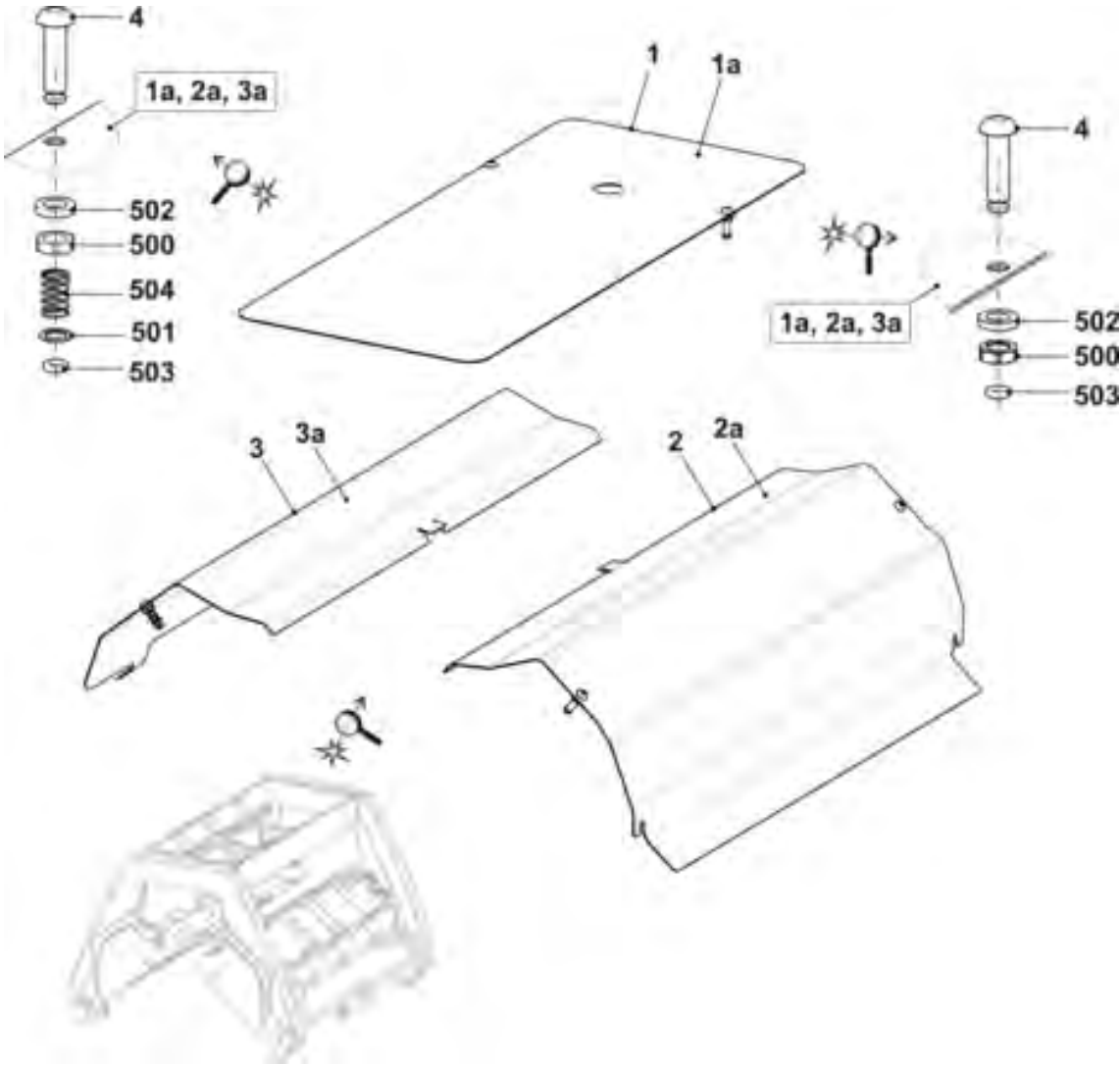
5.2 Carriage assembly

Pos	Designation	Id	Pos	Designation	Id
Σ	Carriage assembly 4 cam boxes complete	256 496	13	Locating bolt linking spot	244 179
1	Carriage frame 4 cam boxes	256 508	500	Cap screw M8x30	020 143
2	Carriage part, 4 cam boxes	241 675	502	Pan-head screw M6x10	023 183
4	Shim	225 312	504	Circlip 6	021 022
5	Dowel screw	211 750	514	Setting pin 5x14	020 670
8	Bush	207 546	515	Threaded bushing	041 863
9	Bush	209 275	522	Shim 0,2x10x70	023 699
10	Bush	209 274	523	Shim 0,1x10x70	023 698
11	Eccentric	222 983	524	Shim 0,05x10x70	023 697



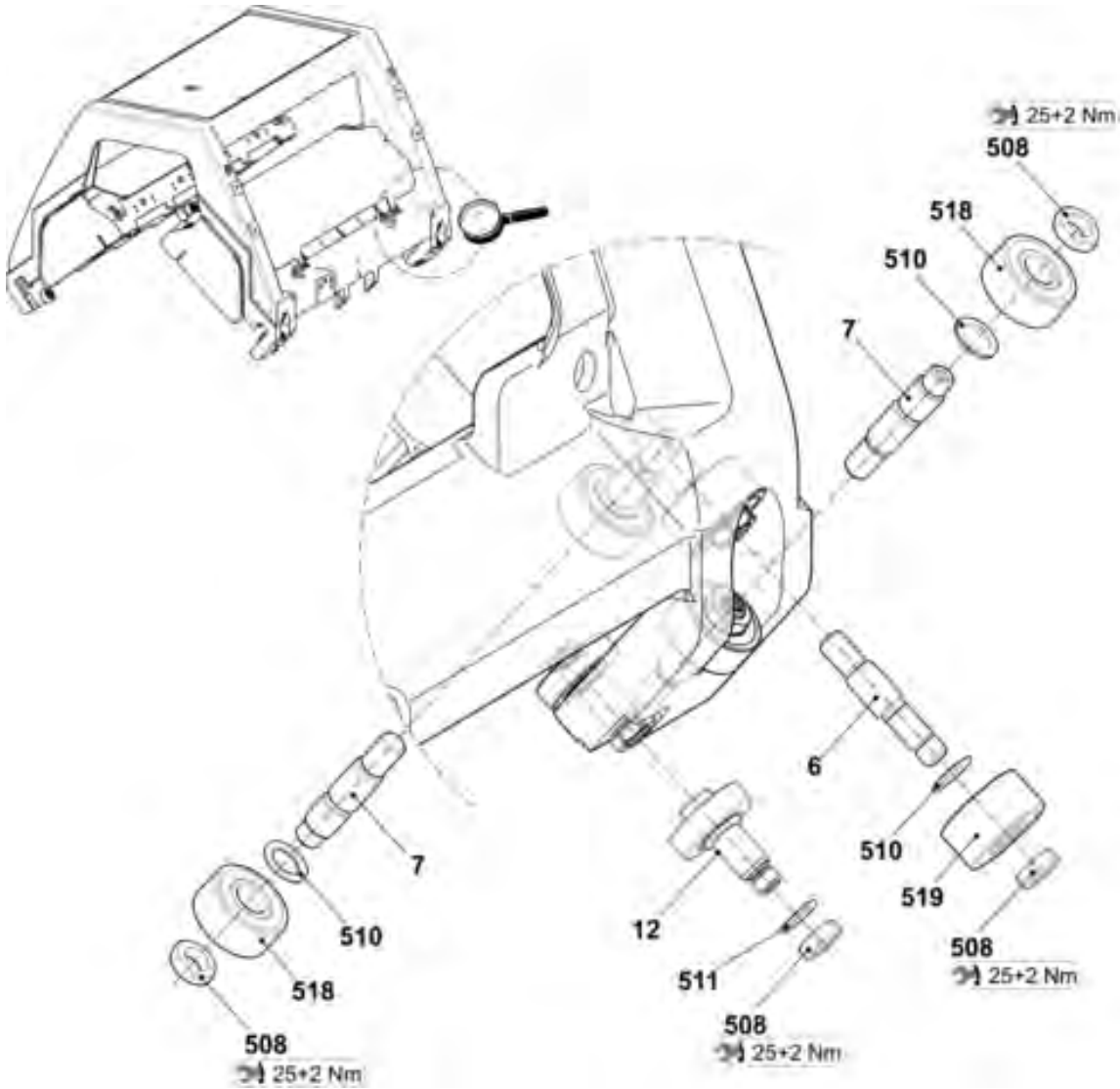
5.3 Carriage cover

Pos	Designation		Id		Pos	Designation		Id
Σ1	Carriage cover at the top complete		257 101		4	Fixing bolt		242 382
	1a	Carriage cover at the top	256 511		500	Hexagon nut M6		257 088
Σ2	Carriage cover at the front complete		257 168		501	U-washer 6.1x9x0.5		023 554
	2a	Carriage cover at the front	256 737		502	Serrated lock washer J6.4		022 385
Σ3	Carriage cover at the rear complete		257 169		503	O-ring 3x2		242 420
	3a	Carriage cover at the rear	256 738		504	Compression spring		023 654



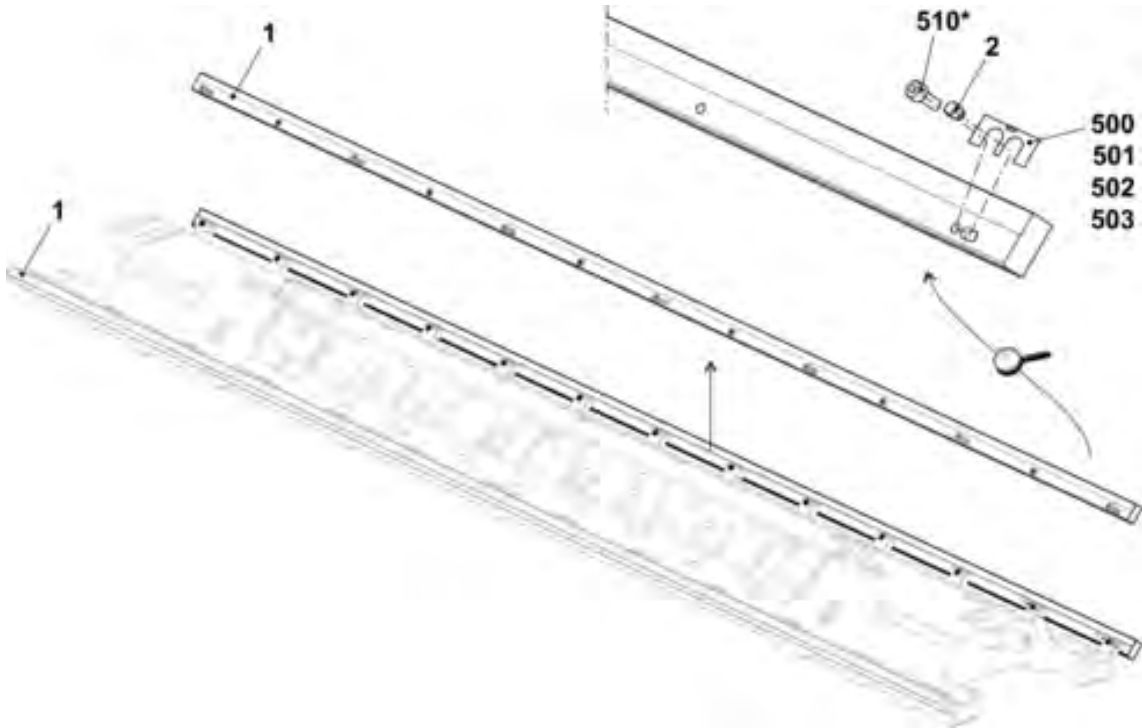
5.4 Carriage guide

Pos	Designation	ID		Pos	Designation	ID
6	Bearing bolt eccentric 0.5	242 060		510	Shim ring 12x18x1	023 315
7	Bearing bolt eccentric 0.5	240 624		511	Adjusting washer 10x16x1	023 260
12	Bolt pre-assembled	244 283		518	Ball bearing 62201-2RS	241 408
508	Nut M10	023 316		519	Ball bearing 62300-2RS1	242 070



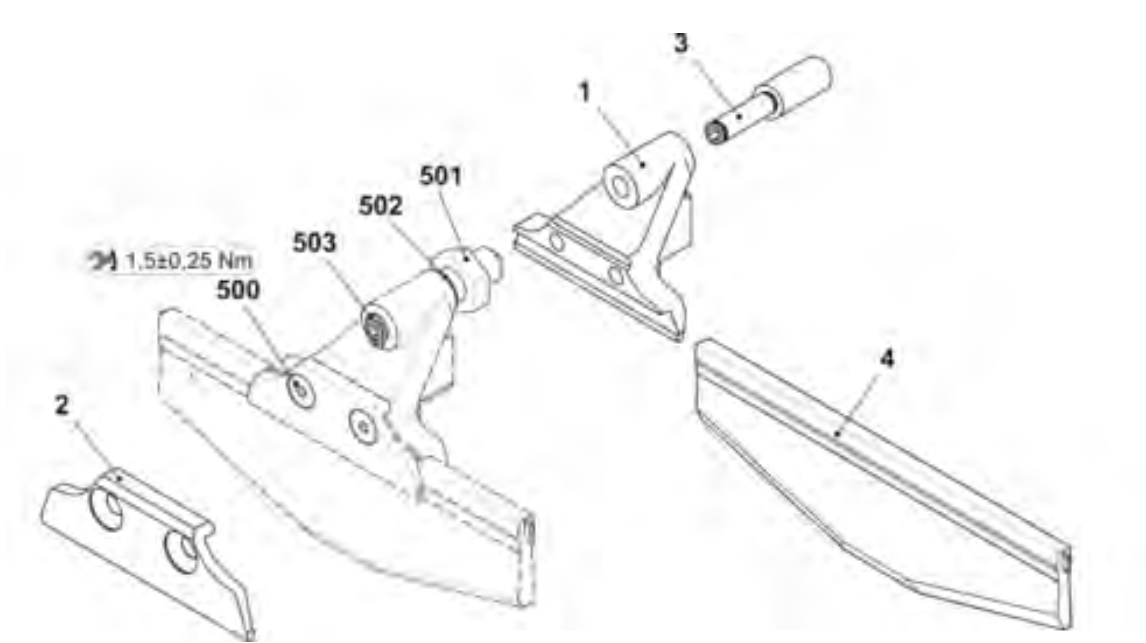
5.5 Spare parts package carriage guide bar

Pos	Designation	Id		Pos	Designation	Id
Σ	Spare parts package carriage guide bar 72"	252 992		501	Shim 0,05x22x42	243 291
1	Carriage guide rail	241 308		502	Shim 0,10x22x42	243 292
2	Adjusting eccentric	241 219		503	Shim 0,20x22x42	243 293
500	Shim 0,03x22x42	243 289		510*	Cap screw M8x20	020 141



5.6 Brush holder

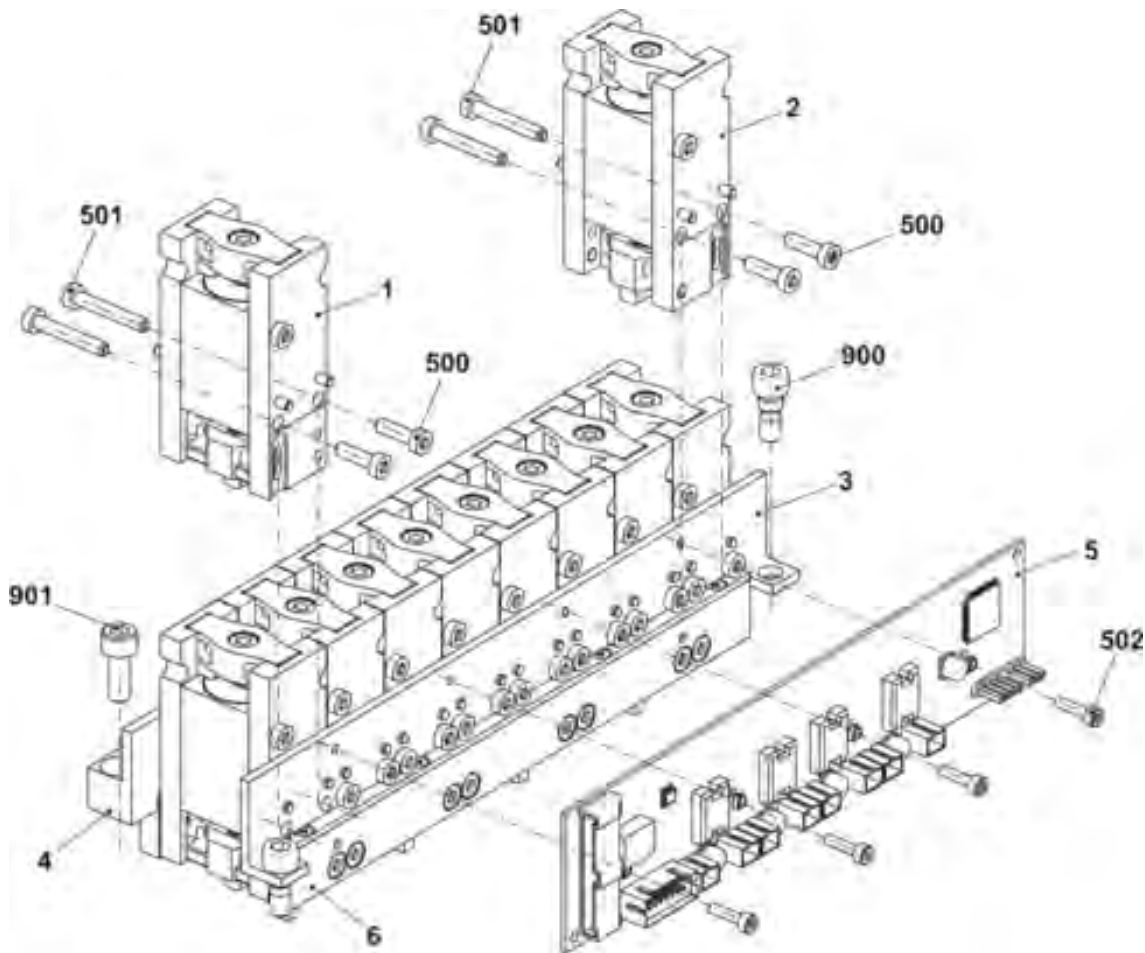
Pos	Designation	Id		Pos	Designation	Id
Σ	Brush holder complete			4	Brush	
	E5 E7 E8 E5m.4 E7m.5 E7m.8 E8m.7- E2,5.2 E3,5.2 E5.2	213 710			E5 E7 E8 E5m.4 E7m.5 E7m.8 E8m.- 7 E2,5.2 E3,5.2 E5.2	203 254
	E10 E12 E14 E12m.10 E6.2 E7.2	213 711			E10 E12 E14 E12m.10 E6.2 E7.2	212 854
	E16 E18	223 185			E16 E18	224 822
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
				503	Locking ring 68x2.5	023 347



5.7 Yarn carrier driving without guiding part

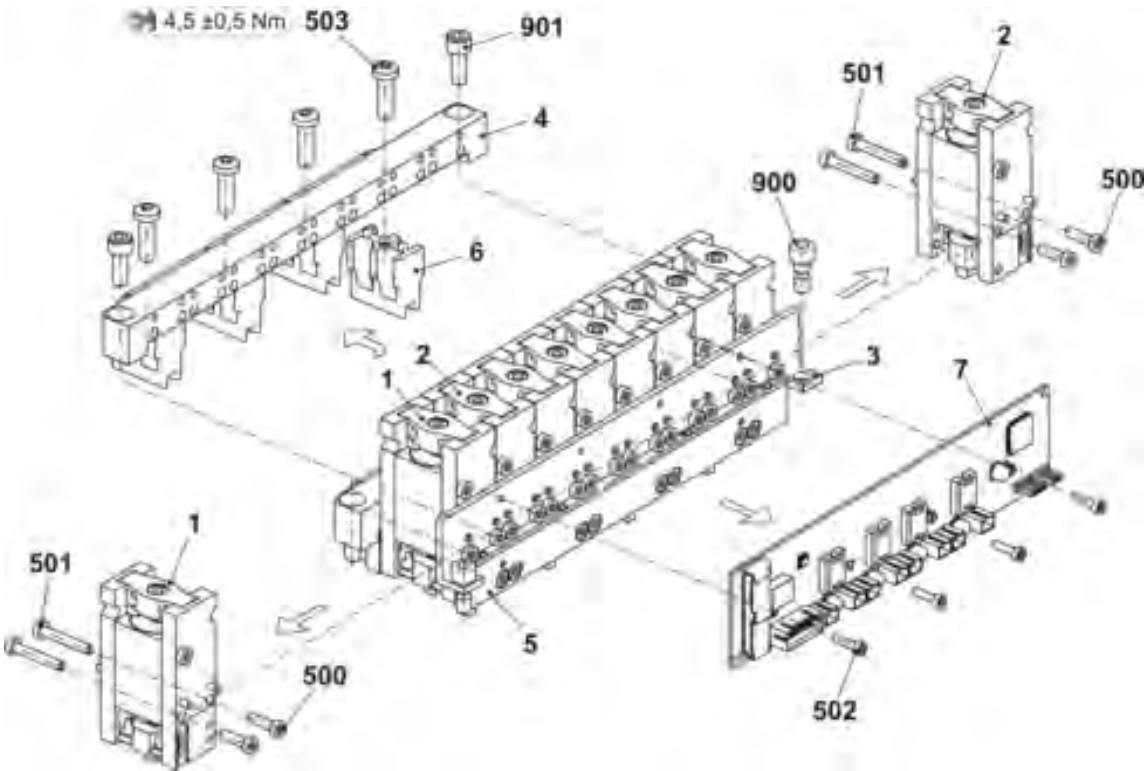
5.7 Yarn carrier driving without guiding part

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	Support angle for jack	245 313		502	Cap screw M3x12-12.9	022 648
4	Mounting block outside	245 294		900	Dowel screw	231 899
5	Card yarn carrier final stages	300 960		901	Cap screw M6x16	020 135



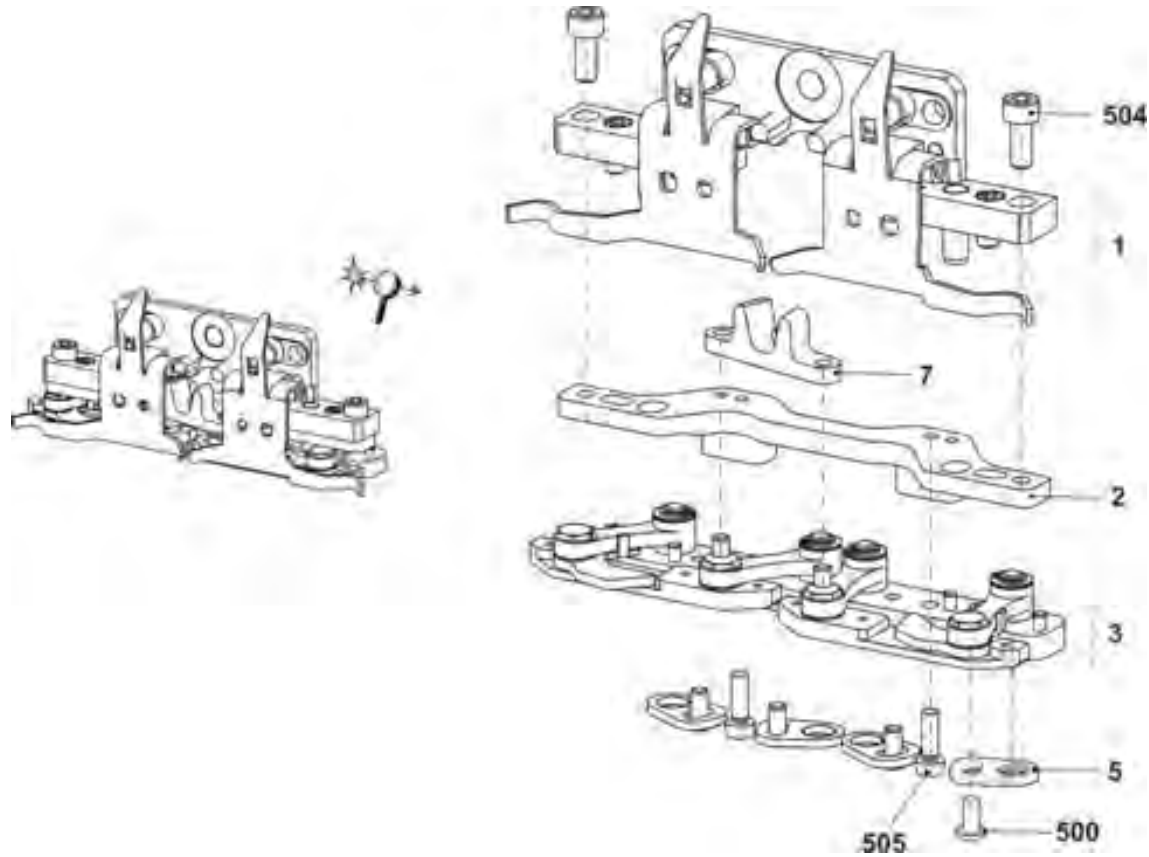
5.8 Yarn carrier driving with guiding part

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



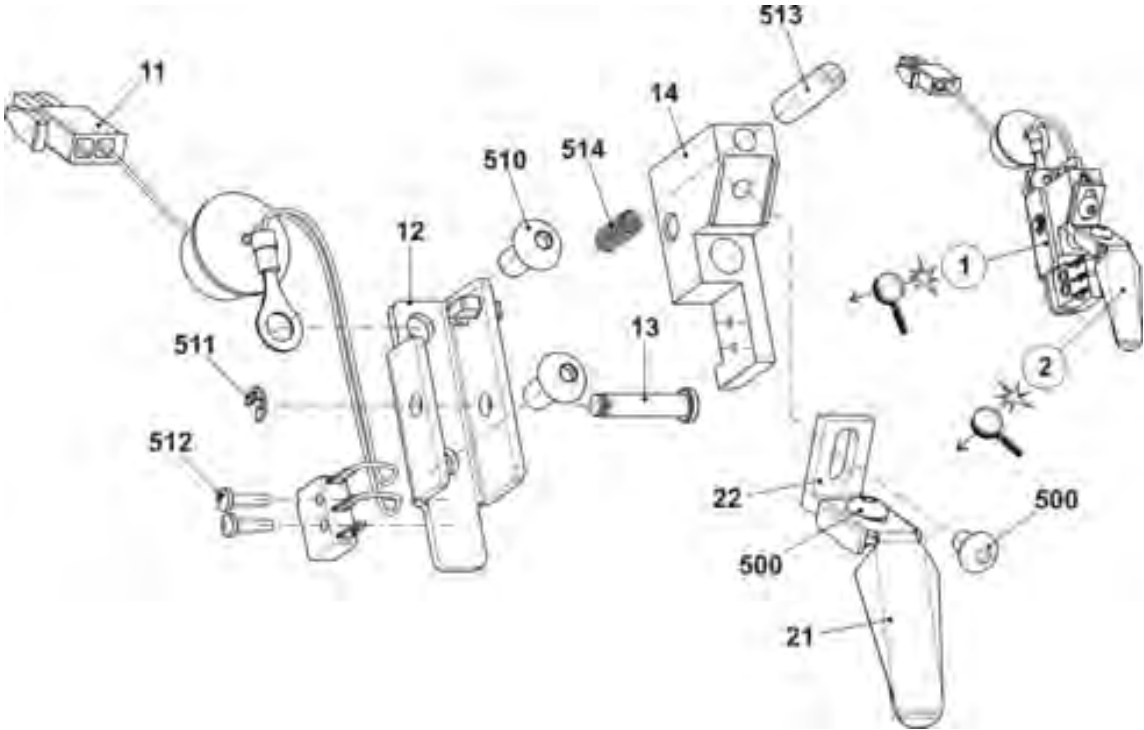
5.9 Holding-down jack control

Pos	Designation	Id	Pos	Designation	Id
Σ	Holding-down jack control complete E5-8		3	Jack cam plate complete	
	E5 E7 E8 E5m.4 E7m.5 E7m.8 E8m.7 E2,5.2 E3,5.2	241 515		E5 E7 E8 E5m.4 E7m.5 E7m.8 E8m.7 E2,5.2 E3,5.2	241 521
	E10	241 516		E10	241 522
	E12 E14 E12m.10	241 517		E12 E14 E12m.10	241 523
	E16 E18	250 250		E16 E18	250 251
	E5.2 E7.2	241 518		E5.2 E7.2	241 524
	E6.2	241 519		E6.2	241 525
1	Assembly plate complete	244 234	500	Pan-head screw M4x8	023 579
2	Connection plate	241 326	504	Cap screw M5x12	020 132
5	Adjusting plate	211 507	505	Cap screw M4x12	241 859
7	Plunger	210 559			



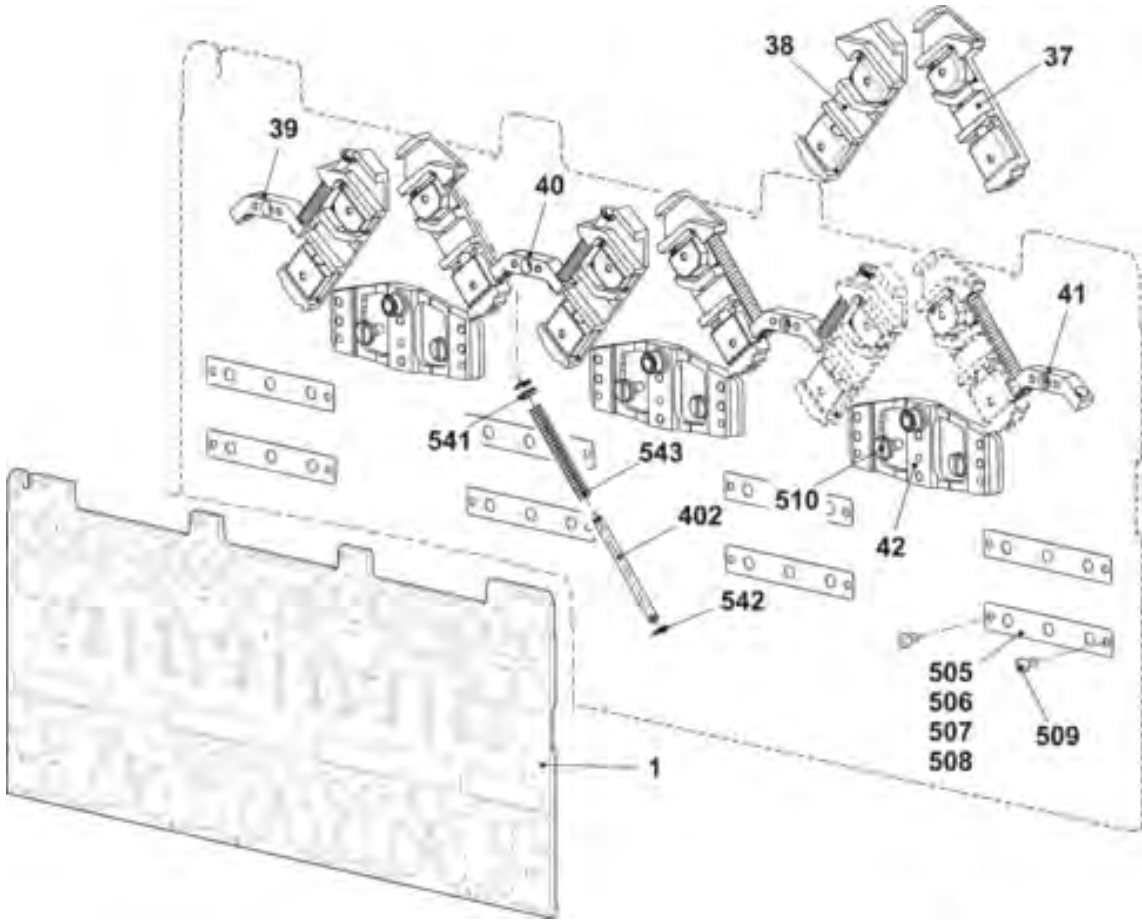
5.10 Needle detector

Pos	Designation		Id		Pos	Designation		Id
Σ	Needle detector		221 238			512	Countersunk 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	Countersunk screw M5x10	023 247			500	Countersunk screw M4x6	023 427
	511	Circlip	021 018		500	Countersunk screw M4x6		023 427



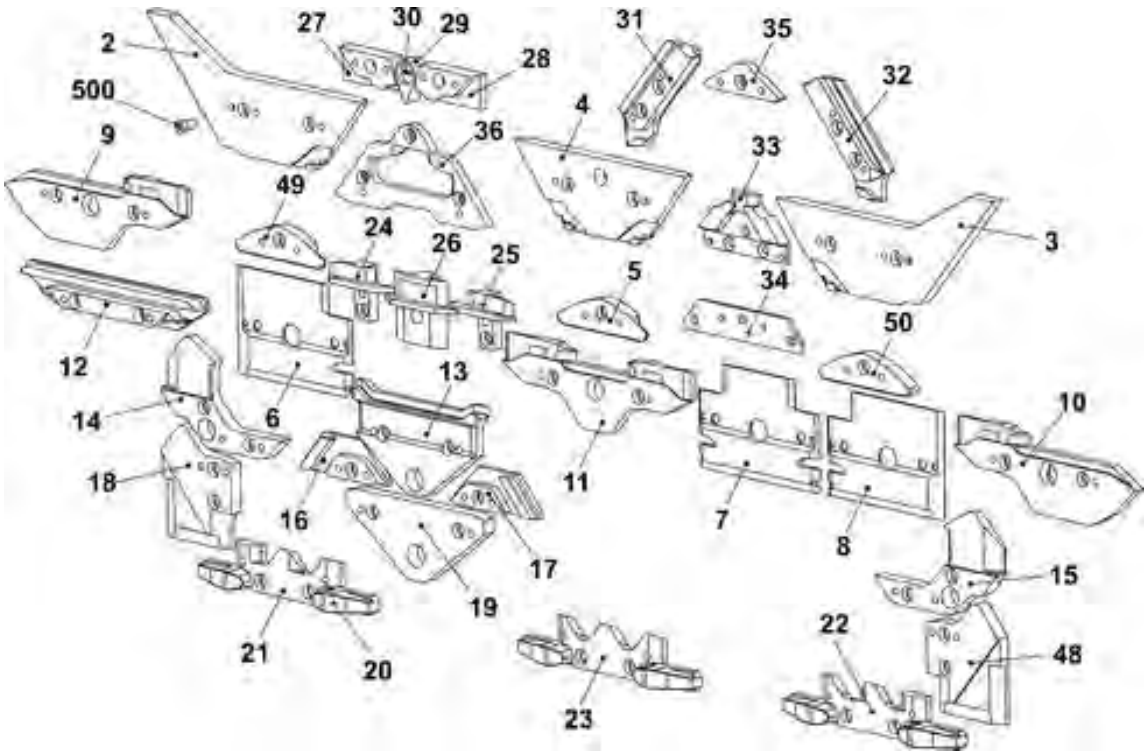
5.11 Cam box E5 | E2,5.2 | E3,5.2 | E5m.4 | E7m.5

Pos	Designation		Id		Pos	Designation	Id
Σ	Cam box complete E5		250 084		42	Switching piece	240 281
1	Cam plate		243 219		505	Shim 0,03x12x75	022 828
37	Stitch forming cam on the right complete E5 - E10		211 163		506	Shim 0,05x12x75	022 829
38	Stitch forming cam on the left complete E5 – E10		211 164		507	Shim 0.1x12x75	022 830
39	Rod guide element on the left		211 165		508	Shim 0,05x12x75	022 831
40	Rod guide element in the middle		211 166		509	Countersunk screw M3x4	023 142
41	Rod guide element on the right		211 168		510	Shoulder screw	239 626
	402	Spring rod	209 791				
	541	Washer 4,3x7x0,5	022 153		Cam box complete contains all parts for one carriage side		
	542	Circlip 3.2	021 019				
	543	Spring	023 344				



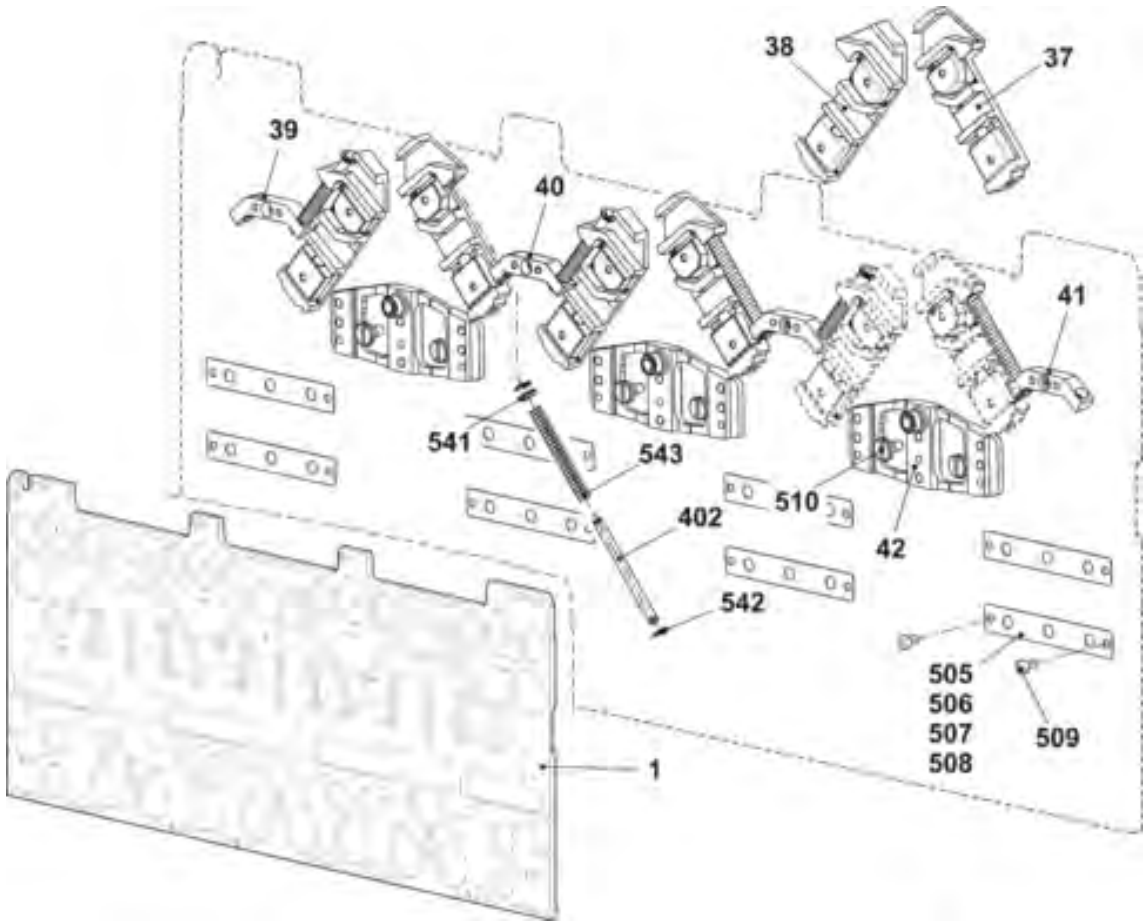
5.11.1 Cams E5 | E2,5.2 | E3,5.2 | E5m.4 | E7m.5

Pos	Designation	Id		Pos	Designation	Id
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 take-over on the left	239 848
5	Entry cam in the middle at the bottom E2,5.2 + E3,5.2	235 719		25	Pressure part take-over 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	Limit cam on the left E5	210 289
8	Plate on the right	231 036		28	Limit 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 limit cam E5	214 051
14	Cam on the left E5-14	212 265		34	Raising cam plate E4-12	204 372
15	Cam on the right E5-14	212 266		35	Receiving cam E5	210 386
16	Cam on the left	236 192		36	Raising cam without split-stitch E5	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	212 274		48	Cam on the right E5-14	212 275
19	Cam part	210 252		49	Entry cam on the left bottom E5-8	235 718
20	Offering cam	210 185		50	Entry cam on the right at the bottom E5-8	235 720
21	Selection cam on the left	212 944		500	Cap screw M4x8	020 091



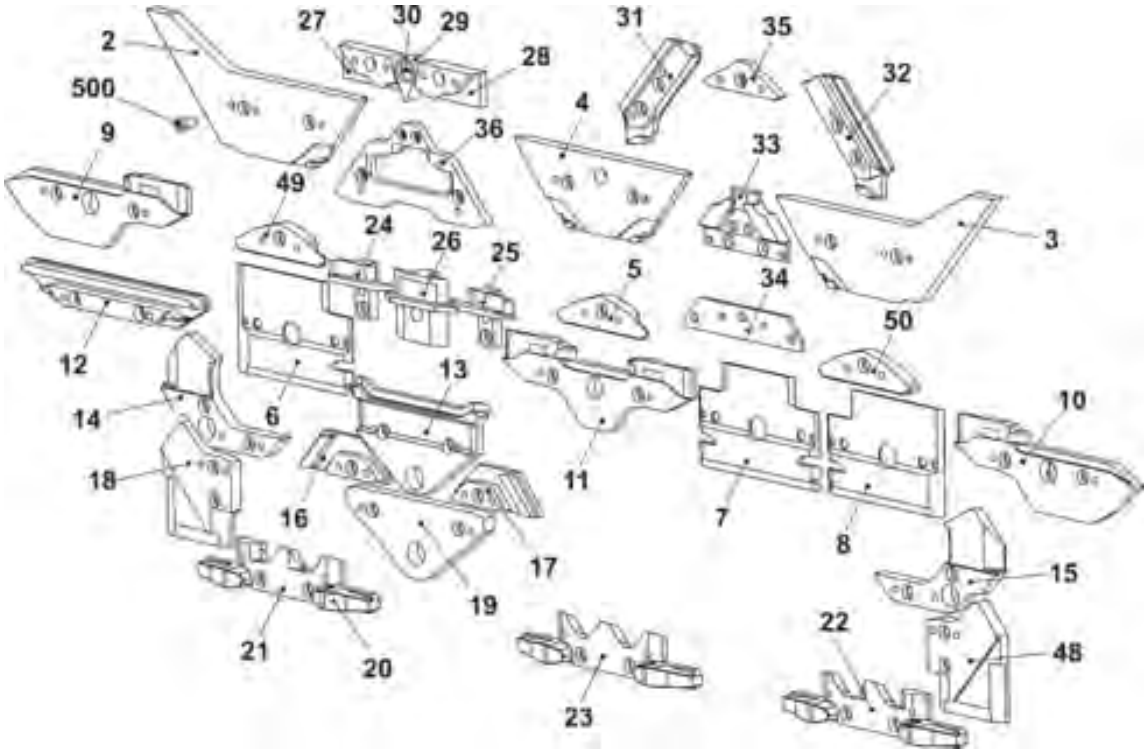
5.12 Cam box E7 | E8 | E7m.8 | E8m.7

Pos	Designation		Id		Pos	Designation	Id
Σ	Cam box complete E7-8		250 085		42	Switching piece	240 281
1	Cam plate		243 219		505	Shim 0,03x12x75	022 828
37	Stitch forming cam on the right complete E5 - E10		211 163		506	Shim 0,05x12x75	022 829
38	Stitch forming cam on the left complete E5 – E10		211 164		507	Shim 0.1x12x75	022 830
39	Rod guide element on the left		211 165		508	Shim 0,05x12x75	022 831
40	Rod guide element in the middle		211 166		509	Countersunk screw M3x4	023 142
41	Rod guide element on the right		211 168		510	Shoulder screw	239 626
	402	Spring rod	209 791				
	541	Washer 4,3x7x0,5	022 153		Cam box complete contains all parts for one carriage side		
	542	Circlip 3.2	021 019				
	543	Spring	023 344				



5.12.1 Cams E7 + E8 + E7m.8 + E8m.7

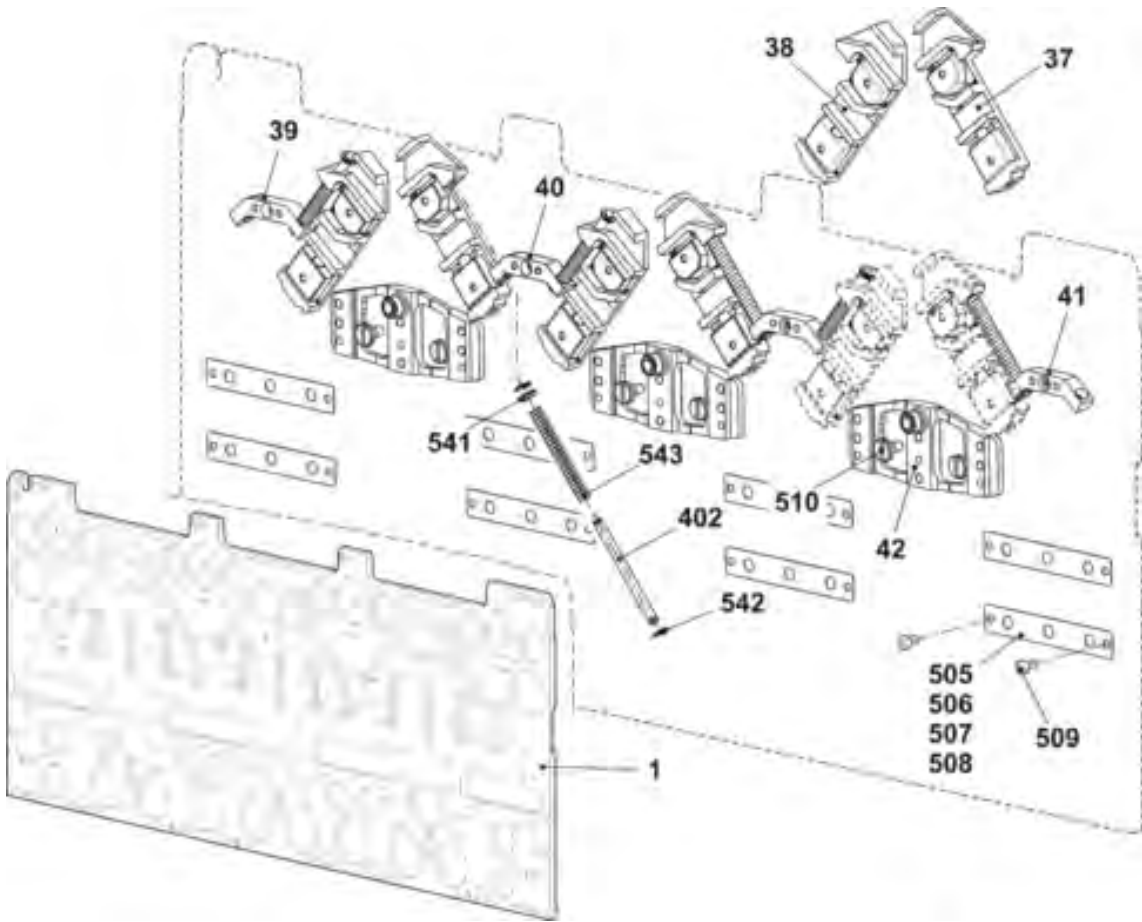
Pos	Designation	ID		Pos	Designation	ID
2	Entry cam on the left	213 304		23	Selector cam	212 946
3	Entry cam on the right	213 303		24	Pressure part take-over on the left	239 848
4	Entry cam at the top	210 285		25	Pressure part take-over on the right	239 849
5	Entry cam at the bottom E5-8	212 395		26	Tuck pressure part	239 621
6	Plate on the left	230 988		27	Limit cam on the left E7-8	210 291
7	Plate in the middle	231 035		28	Limit cam on the right E7-8	210 292
8	Plate on the right	231 036		29	Pointer E5-8	210 336
9	Cam on the left	231 039		30	Screw	210 335
10	Cam on the right	231 041		31	Stitch cam on the left E7-8	210 324
11	Cam in the middle	231 040		32	Stitch cam on the right E7-8	210 323
12	Cam	227 923		33	Tuck limit cam E7-8	255 056
13	Cam	210 254		34	Raising cam plate E4-12	204 372
14	Cam on the left E5-14	212 265		35	Receiving cam E7-8	210 339
15	Cam on the right E5-14	212 266		36	Raising cam part without split E7-8	255 055
16	Cam on the left	236 192			Raising cam with split E7-8 Accessories	255 192
17	Cam on the right	236 193		48	Cam on the right E5-14	212 275
18	Cam on the left E5-14	212 274		49	Entry cam on the left E5-8	213 161
19	Cam	210 252		50	Entry cam on the right E5-8	213 162
20	Offering cam	210 185		500	Cap screw M4x8	020 091
21	Selector cam on the left	212 944				
22	Selector cam on the right	212 947				



5.13 Cam box E10

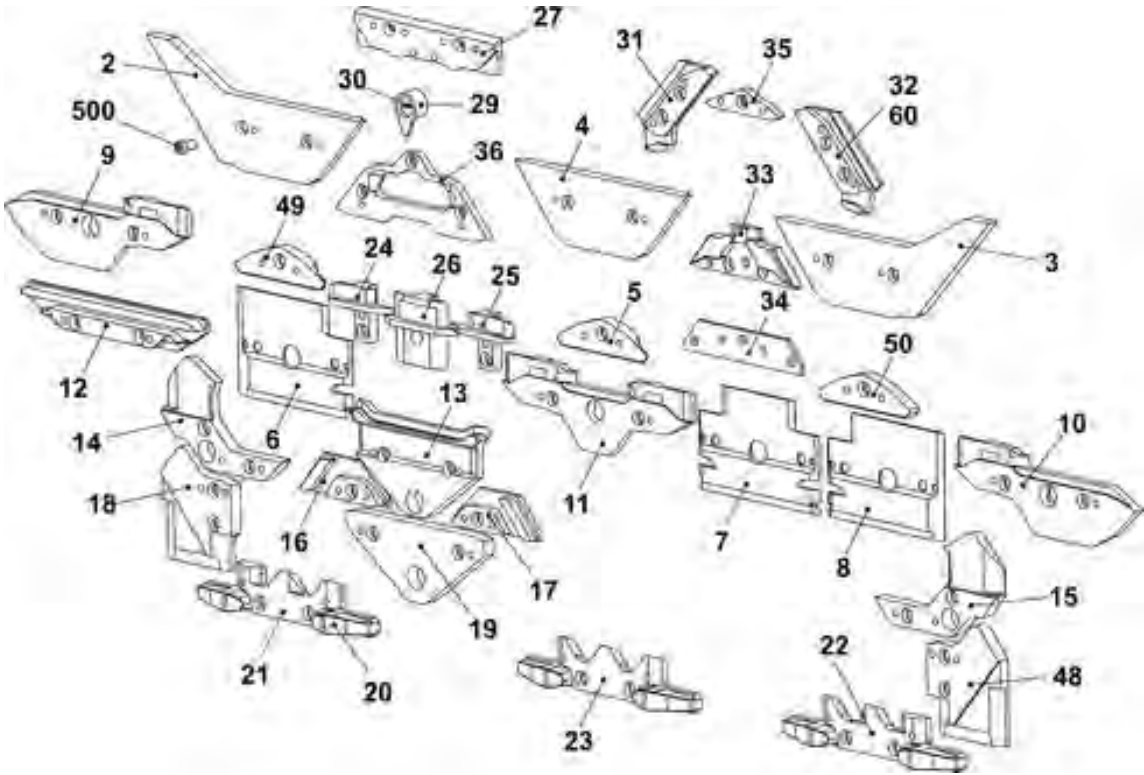
5.13 Cam box E10

Pos	Designation		Id		Pos	Designation	Id	
Σ	Cam box set complete E10		250 087		42	Switching piece	240 281	
1	Cam plate		243 219		505	Shim 0,03x12x75	022 828	
37	Stitch forming cam on the right complete E5-10		211 163		506	Shim 0,05x12x75	022 829	
38	Stitch forming cam on the left complete E5-10		211 164		507	Shim 0.1x12x75	022 830	
39	Rod guide element on the left		211 165		508	Shim 0,05x12x75	022 831	
40	Rod guide element in the middle		211 166		509	Countersunk screw M3x4	023 142	
41	Rod guide element on the right		211 168		510	Shoulder screw	239 626	
	402	Spring rod	209 791		Cam box complete contains all parts for both carriage sides			
	541	Washer 4,3x7x0,5	022 153					
	542	Circlip 3.2	021 019					
	543	Spring	023 344					



5.13.1 Cams E10

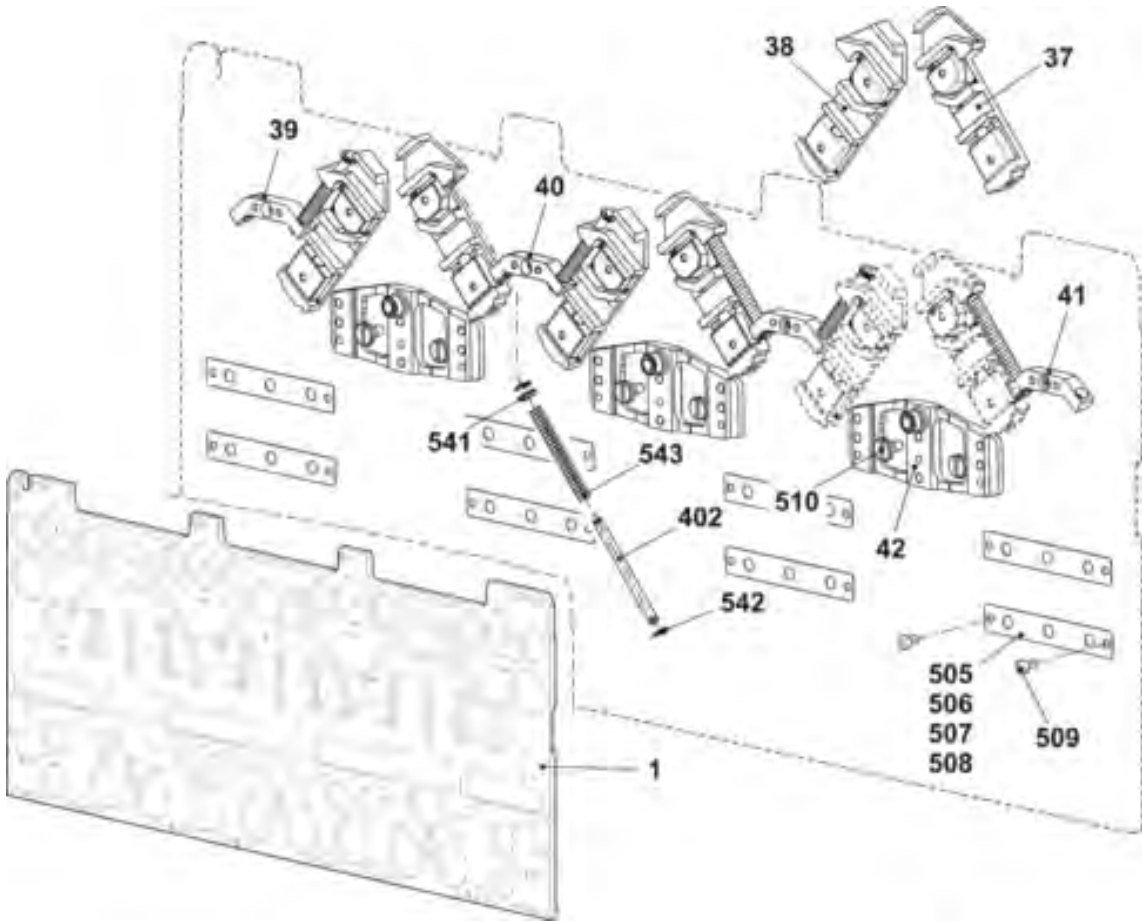
Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left	243 595				
3	Entry cam on the right	243 597		23	Selection cam	212 946
4	Entry cam at the top	243 596		24	Pressure part take-over on the left	239 848
5	Entry cam at the bottom -1,5 E10-14	216 328		25	Pressure part take-over on the right	239 849
6	Plate on the left	230 988		26	Tuck pressure part	239 621
7	Plate in the middle	231 035		27	Limit cam E10	210 611
8	Plate on the right	231 036		29	Pointer E10-4	210 349
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 E10-14 + E7.2	236 318
11	Cam part at the center	231 040		32	Stitch cam on the right E10-14 + E7.2	236 319
12	Cam part	227 923		33	Tuck limit cam E12	236 345
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 E10-12	210 595
15	Cam on the right E5-14	212 266		36	Raising cam without split-stitch E10-12	237 993
16	Cam on the left	236 192			Raising cam with split-stitch E10 – E12 Accessory	213 300
17	Cam part at the right	236 193		48	Cam on the right E5-14	212 275
18	Cam on the left E5-14	212 274		49	Entry cam on the left -1,5 E10 -14	216 329
19	Cam part	210 252		50	Entry cam on the right -1,5 E10-14	216 330
20	Offering cam	210 185		500	Cap screw M4x8	020 091
21	Selection cam on the left	212 944		60	Stitch cam at the rear on the right E10 - E-12	236 320
22	Selection cam on the right	212 947				



5.14 Cam box E12

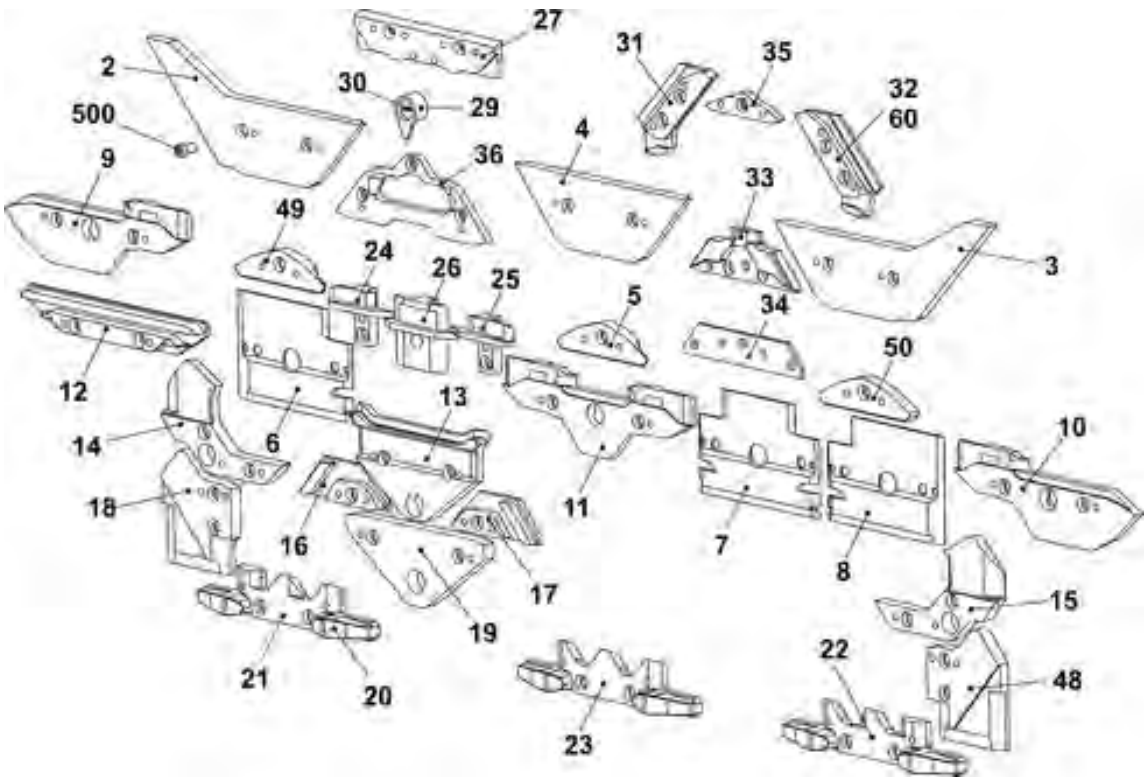
5.14 Cam box E12

Pos	Designation		Id		Pos	Designation	Id	
Σ	Cam box set complete E12		245 039		42	Switching piece	240 281	
1	Cam plate		243 219		505	Shim 0,03x12x75	022 828	
37	Stitch forming cam on the right complete E12 - E14		214 088		506	Shim 0,05x12x75	022 829	
38	Stitch forming cam on the left complete E12 – E14		214 089		507	Shim 0.1x12x75	022 830	
39	Rod guide element on the left		211 165		508	Shim 0,05x12x75	022 831	
40	Rod guide element in the middle		211 166		509	Countersunk screw M3x4	023 142	
41	Rod guide element on the right		211 168		510	Shoulder screw	239 626	
	402	Spring rod	209 791		Cam box complete contains all parts for both carriage sides			
	541	Washer 4,3x7x0,5	022 153					
	542	Circlip 3.2	021 019					
	543	Spring	023 344					



5.14.1 Cams E12

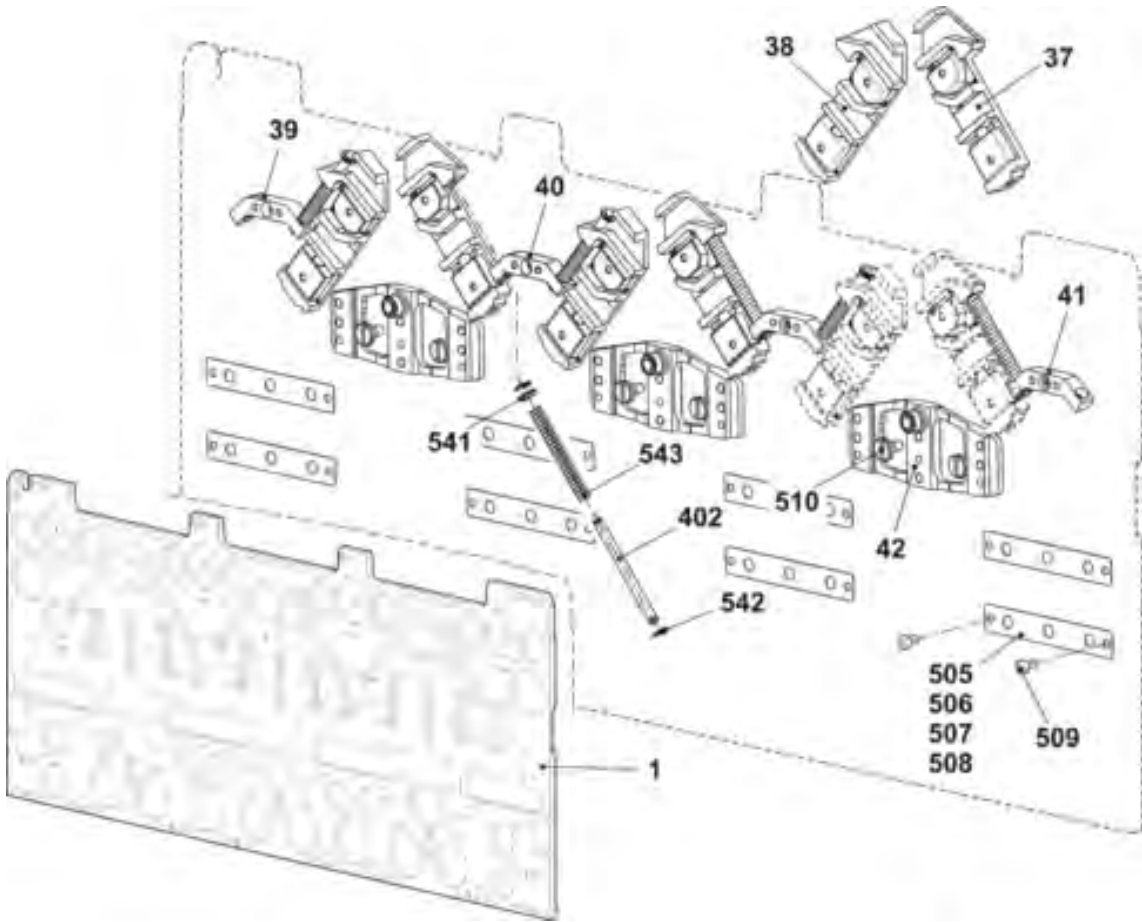
Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left	243 595		23	Selector cam	212 946
3	Entry cam on the right	243 597		24	Pressure part take-over on the left	239 848
4	Entry cam in the middle	243 596		25	Pressure part take-over on the right	239 849
5	Entry cam at the bottom - 1.5 E10 - E14	216 328		26	Tuck pressure part	239 621
6	Plate on the left	230 988		27	Limit cam E12 – E14	210 612
7	Plate in the middle	231 035		29	Pointer E10 – E14	210 349
8	Plate on the right	231 036		30	Screw	210 335
9	Cam on the left	231 039		31	Stitch cam on the left E10 - E14 + E7.2	236 318
10	Cam part at the right	231 041		32	Stitch cam on the right E10 - E14 + E7.2	236 319
11	Cam part at the center	231 040		33	Tuck limit cam E12	236 403
12	Cam part	227 923		34	Raising cam plate E4-12	204 372
13	Cam part	210 254		35	Receiving cam E10 - E12	210 595
14	Cam on the left E5-14	212 265		36	Raising cam without split E10 – E12 + E7.2	237 993
15	Cam on the right E5-14	212 266			Raising cam with split E10 – E12 Accessory	213 300
16	Cam on the left	236 192		48	Cam on the right E5-14	212 275
17	Cam part at the right	236 193		49	Entry cam on the left -1.5 E10	216 329
18	Cam on the left E5-14	212 274		50	Entry cam on the right -1.5 E10 - E14	216 330
19	Cam part	210 252		500	Cap screw M4x8	020 091
20	Offering cam	210 185		60	Stitch cam at the rear on the right E10 - E12	236 320
21	Selector cam on the left	212 944				
22	Selector cam on the right	212 947				



5.15 Cam box E14

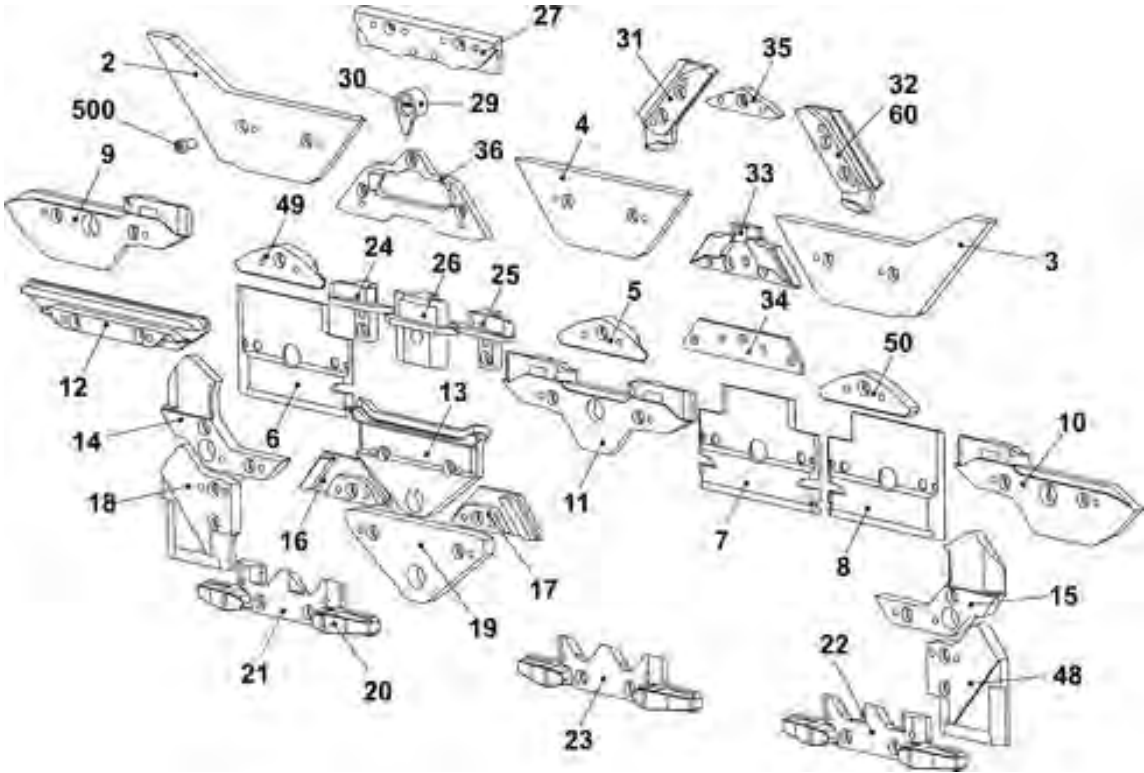
5.15 Cam box E14

Pos	Designation		Id		Pos	Designation	Id	
Σ	Cam box complete E14		245 281		42	Switching piece	240 281	
1	Cam plate		243 219		505	Shim 0,03x12x75	022 828	
37	Stitch forming cam on the right complete E12 - E14		214 088		506	Shim 0,05x12x75	022 829	
38	Stitch forming cam on the left complete E12 – E14		214 089		507	Shim 0.1x12x75	022 830	
39	Rod guide element on the left		211 165		508	Shim 0,05x12x75	022 831	
40	Rod guide element in the middle		211 166		509	Countersunk screw M3x4	023 142	
41	Rod guide element on the right		211 168		510	Shoulder screw	239 626	
	402	Spring rod	209 791		Cam box complete contains all parts for one carriage side			
	541	Washer 4,3x7x0,5	022 153					
	542	Circlip 3.2	021 019					
	543	Spring	023 344					



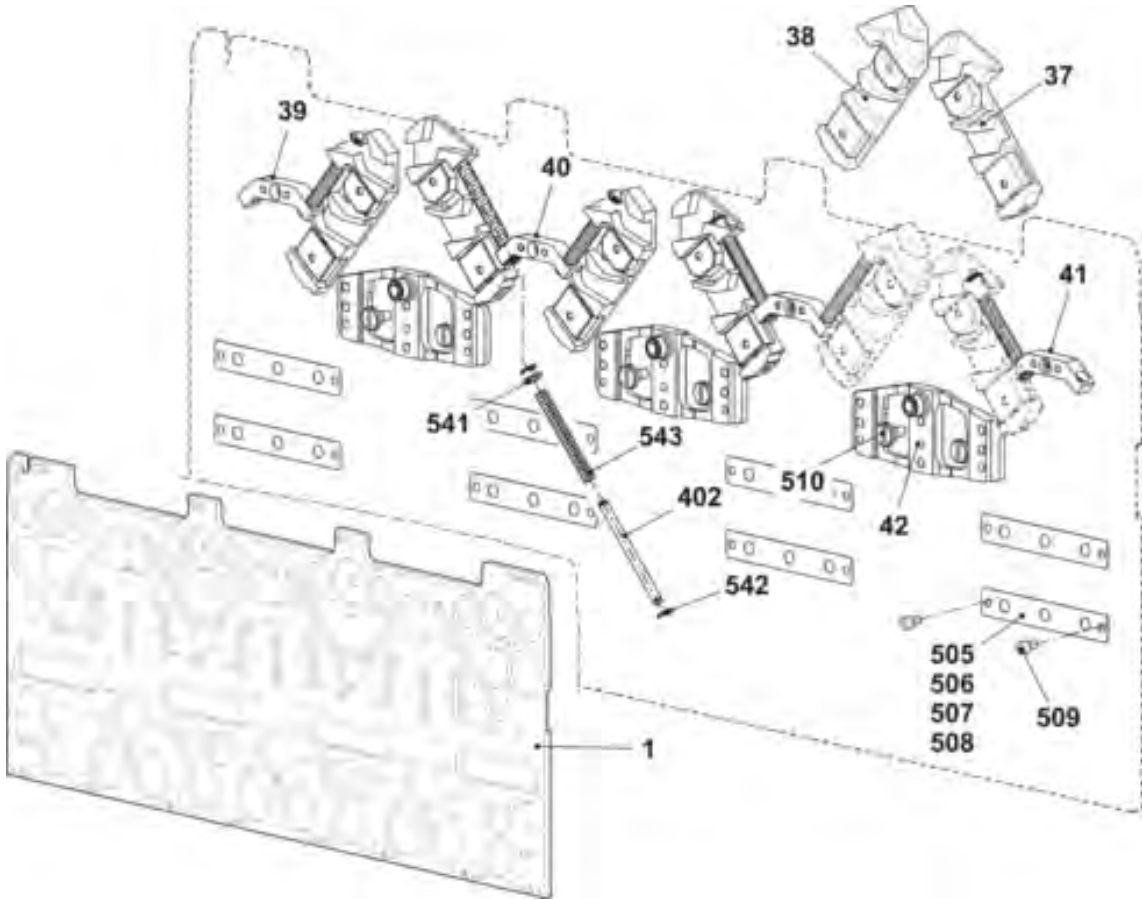
5.15.1 Cams E14

Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left	232 531		23	Selector cam	212 946
3	Entry cam on the right	232 533		24	Pressure part take-over on the left	239 848
4	Entry cam in the middle	232 532		25	Pressure part take-over on the right	239 849
5	Entry cam at the bottom - 1.5 E10 - E14	216 328		26	Tuck pressure part	239 621
6	Plate on the left	230 988		27	Limit cam E12 – E14	210 612
7	Plate in the middle	231 035		29	Pointer E10 – E14	210 349
8	Plate on the right	231 036		30	Screw	210 335
9	Cam on the left	231 039		31	Stitch cam on the left E10 - E14 + E7.2	236 318
10	Cam part at the right	231 041		32	Stitch cam on the right E10 - E14 + E7.2	236 319
11	Cam part at the center	231 040		33	Tuck limit cam E14	236 428
12	Cam part	227 923		34	Raising cam plate E4-12	204 372
13	Cam part	210 254		35	Receiving cam E14	236 944
14	Cam on the left E5-14	212 265		36	Raising cam without split E14	236 767
15	Cam on the right E5-14	212 266			Raising cam with split E14 Accessories	214 212
16	Cam on the left	236 192		48	Cam on the right E5-14	212 275
17	Cam part at the right	236 193		49	Entry cam on the left -1.5 E10	216 329
18	Cam on the left E5-14	212 274		50	Entry cam on the right -1.5 E10 - E14	216 330
19	Cam part	210 252		500	Cap screw M4x8	020 091
20	Offering cam	210 185				
21	Selector cam on the left	212 944				
22	Selector cam on the right	212 947				



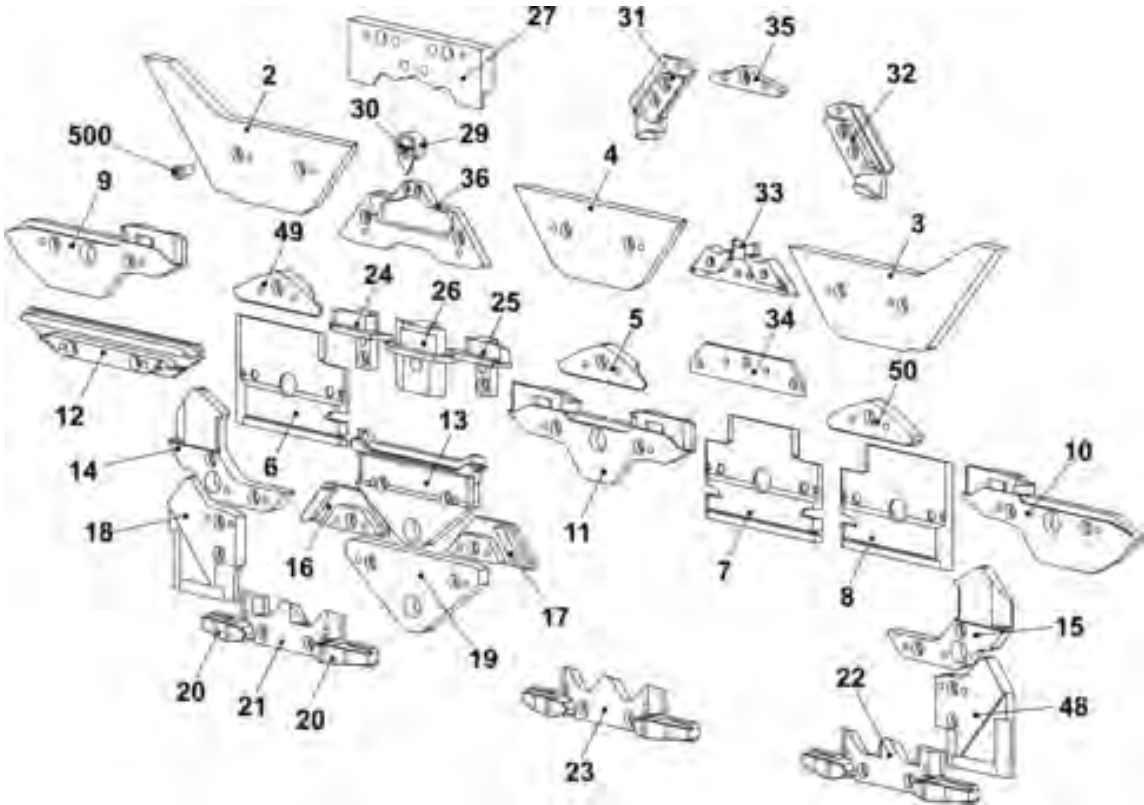
5.16 Cam box E16|E18

Pos	Designation		Id		Pos	Designation	Id	
Σ	Cam box complete E16 - E18		250 088		42	Switching piece	240 281	
1	Cam plate		243 219		505	Shim 0,03x12x75	022 828	
37	Stitch forming cam on the right complete E16 - E20		221 123		506	Shim 0,05x12x75	022 829	
38	Stitch forming cam on the left complete E16 – E20		221 124		507	Shim 0.1x12x75	022 830	
39	Rod guide element on the left		211 165		508	Shim 0,05x12x75	022 831	
40	Rod guide element in the middle		211 166		509	Countersunk screw M3x4	023 142	
41	Rod guide element on the right		211 168		510	Shoulder screw	239 626	
	402	Spring rod	209 791		Cam box complete contains all parts for one carriage side			
	541	Washer 4,3x7x0,5	022 153					
	542	Circlip 3.2	021 019					
	543	Spring	023 344					



5.16.1 Cams E14|E14/12

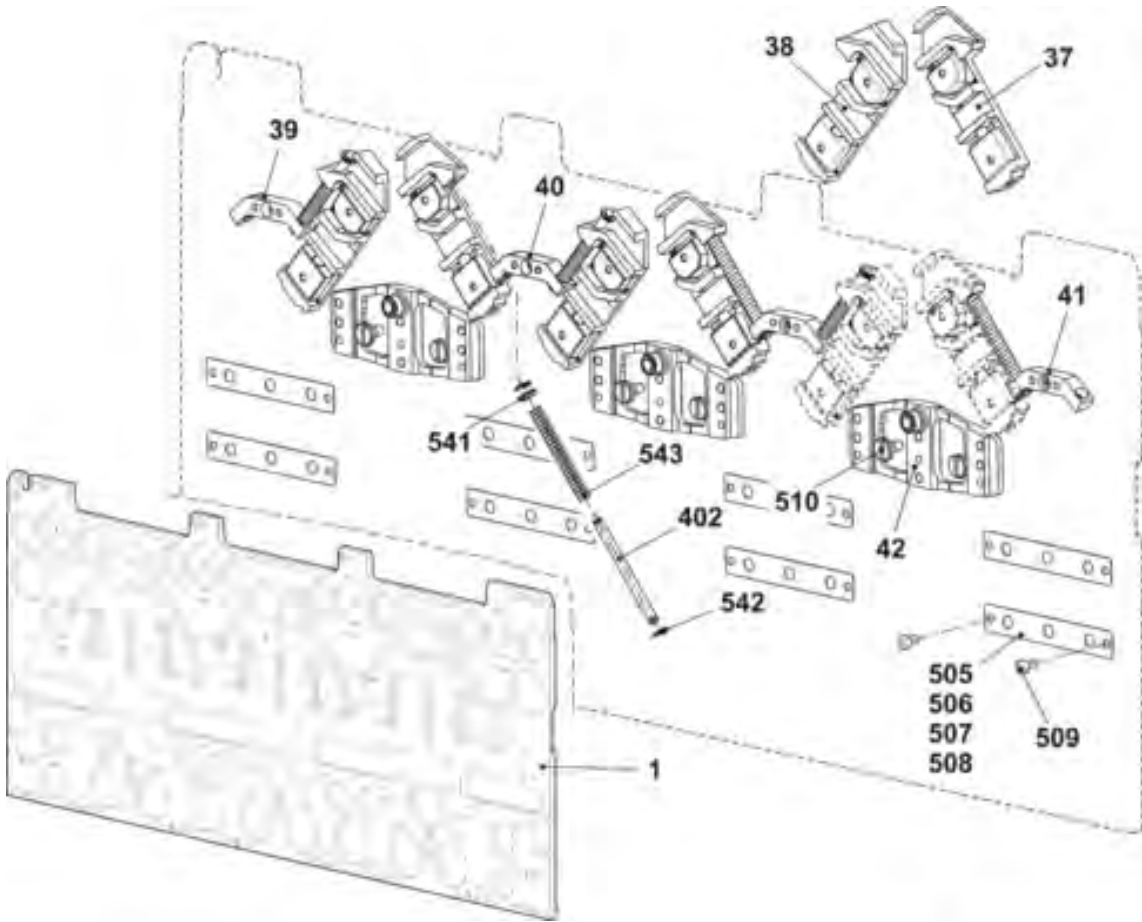
Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left	243 595		23	Selector cam	212 946
3	Entry cam on the right	243 597		24	Pressure part take-over on the left	239 848
4	Entry cam in the middle	243 596		25	Pressure part take-over on the right	239 849
5	Entry cam at the bottom E16 - E20	220 842		26	Tuck pressure part	239 621
6	Plate on the left	230 988		27	Limit cam E16 - E20	220 865
7	Plate in the middle	231 035		29	Pointer E16 - E20	224 383
8	Plate on the right	231 036		30	Screw	210 335
9	Cam on the left	231 039		31	Stitch cam on the left E16 - E20	220 870
10	Cam part at the right	231 041		32	Stitch cam on the right E16 - E20	220 871
11	Cam part at the center	231 040		33	Tuck limit cam E16 - E18	239 936
12	Cam part	227 923		34	Raising cam plate E4-12	204 372
13	Cam part	210 254		35	Receiving cam E16 - E20	220 863
14	Cam on the left E5-14	212 265		36	Raising cam without split E16 - E18 + E9.2	239 457
15	Cam on the right E5-14	212 266			Raising cam with split E16 - E18 + E9.2 (Accessories)	239 742
16	Cam on the left	236 192		48	Cam on the right E5-14	212 275
17	Cam part at the right	236 193		49	Entry cam on the left E16 - E20	220 841
18	Cam on the left E5-14	212 274		50	Entry cam on the right E16 - E20	220 843
19	Cam part	210 252		500	Cap screw M4x8	020 091
20	Offering cam	210 185				
21	Selector cam on the left	212 944				
22	Selector cam on the right	212 947				



5.17 Cam box E12m.10

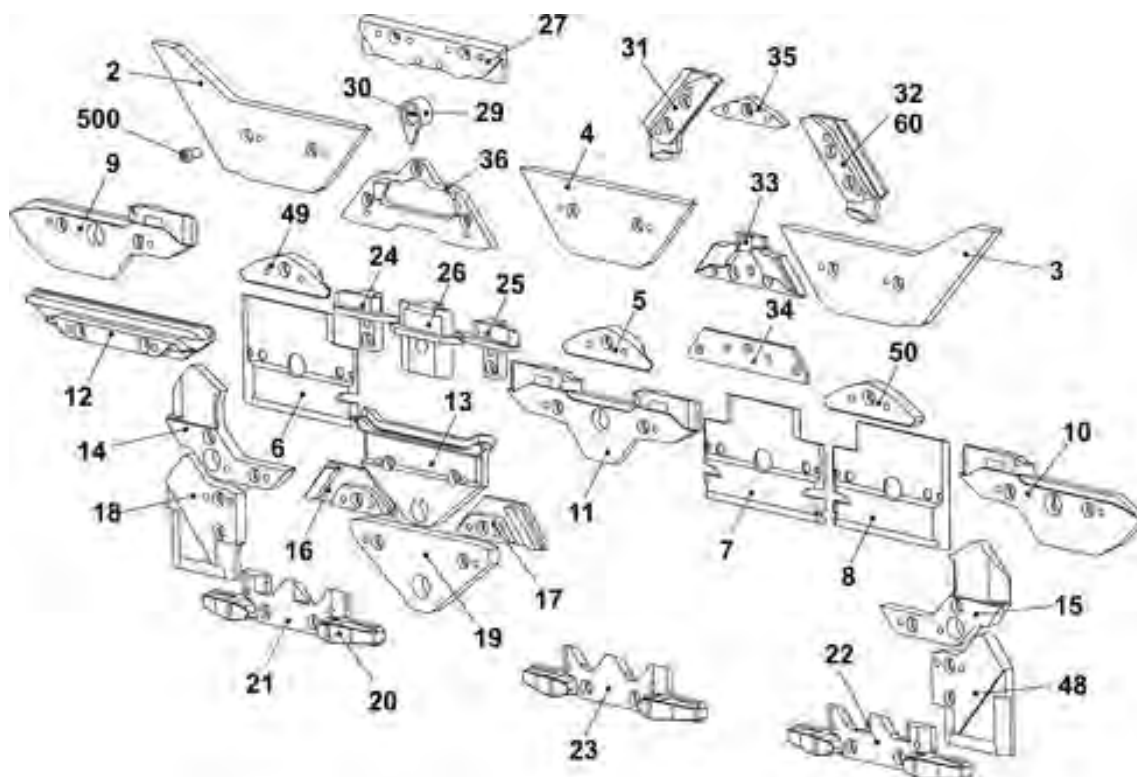
5.17 Cam box E12m.10

Pos	Designation		Id		Pos	Designation	Id	
Σ	Cam box set complete E12m.10		243 407		42	Switching piece	240 281	
1	Cam plate		243 219		505	Shim 0,03x12x75	022 828	
37	Stitch forming cam on the right complete E12 - E14		214 088		506	Shim 0,05x12x75	022 829	
38	Stitch forming cam on the left complete E12 – E14		214 089		507	Shim 0.1x12x75	022 830	
39	Rod guide element on the left		211 165		508	Shim 0,05x12x75	022 831	
40	Rod guide element in the middle		211 166		509	Countersunk screw M3x4	023 142	
41	Rod guide element on the right		211 168		510	Shoulder screw	239 626	
	402	Spring rod	209 791		Cam box complete contains all parts for both carriage sides			
	541	Washer 4,3x7x0,5	022 153					
	542	Circlip 3.2	021 019					
	543	Spring	023 344					



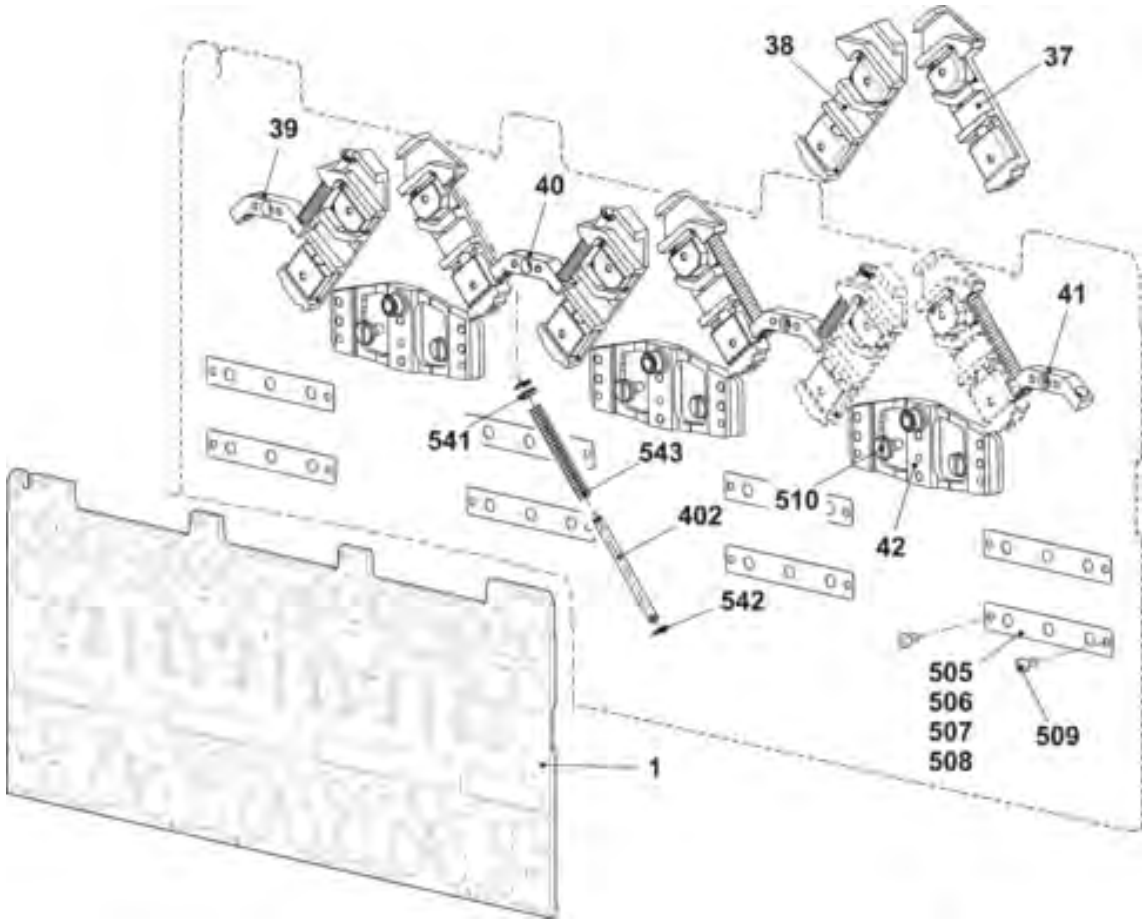
5.17.1 Cams E12m.10

Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left	243 595		23	Selector cam	212 946
3	Entry cam on the right	243 597		24	Pressure part take-over on the left	239 848
4	Entry cam in the middle	243 596		25	Pressure part take-over on the right	239 849
5	Entry cam at the bottom - 1.5 E10 - E14	216 328		26	Tuck pressure part	239 621
6	Plate on the left	230 988		27	Limit cam E10	210 611
7	Plate in the middle	231 035		29	Pointer E10 – E14	210 349
8	Plate on the right	231 036		30	Screw	210 335
9	Cam on the left	231 039		31	Stitch cam on the left E10 - E14 + E7.2	236 318
10	Cam part at the right	231 041		32	Stitch cam on the right E10 - E14 + E7.2	236 319
11	Cam part at the center	231 040		33	Tuck limit cam E10 + E7.2	236 345
12	Cam part	227 923		34	Raising cam plate E4-12	204 372
13	Cam part	210 254		35	Receiving cam E10 - E12	210 595
14	Cam on the left E5-14	212 265		36	Raising cam without split E10 – E12 + E7.2	237 993
15	Cam on the right E5-14	212 266			Raising cam with split E10 – E12 + E7.2 Accessories	237 300
16	Cam on the left	236 192		48	Cam on the right E5-14	212 275
17	Cam part at the right	236 193		49	Entry cam on the left -1.5 E10	216 329
18	Cam on the left E5-14	212 274		50	Entry cam on the right -1.5 E10 - E14	216 330
19	Cam part	210 252		500	Cap screw M4x8	020 091
20	Offering cam	210 185		60	Stitch cam at the rear on the right E10 - E12	236 320
21	Selector cam on the left	212 944				
22	Selector cam on the right	212 947				



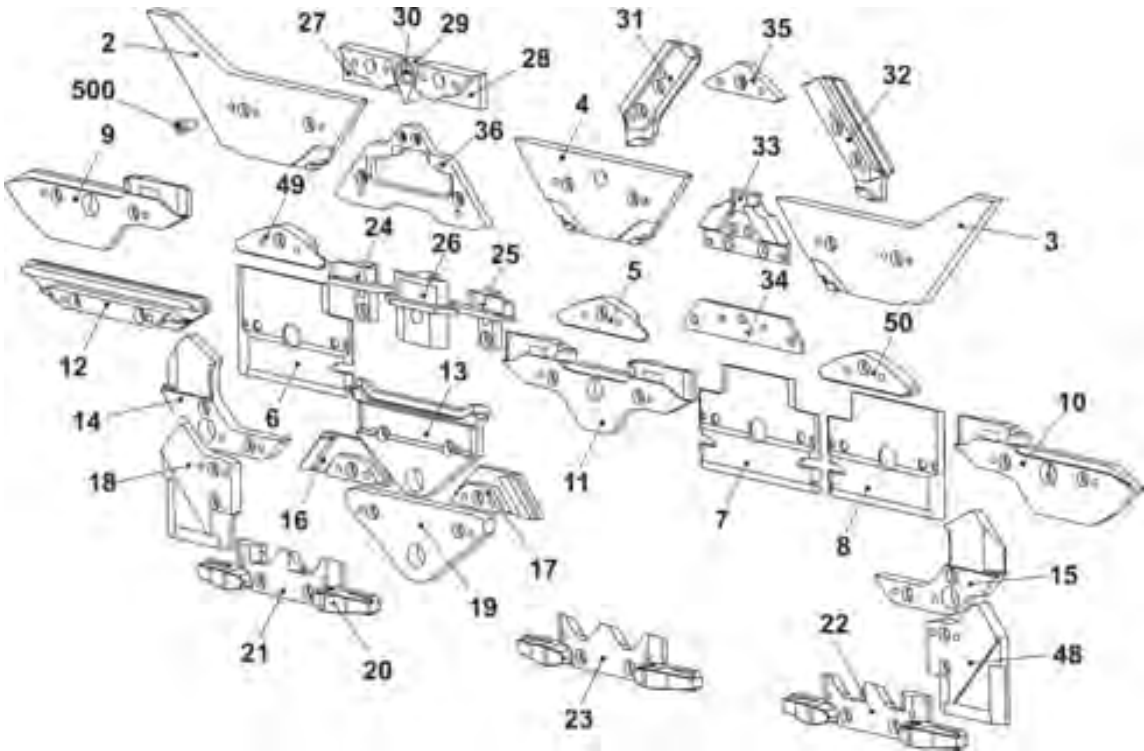
5.18 Cam box E5.2

Pos	Designation		Id		Pos	Designation	Id
Σ	Cam box complete E5.2		244 375		42	Switching piece	240 281
1	Cam plate		243 219		505	Shim 0,03x12x75	022 828
37	Stitch forming cam on the right complete E5 - E10		211 163		506	Shim 0,05x12x75	022 829
38	Stitch forming cam on the left complete E5 – E10		211 164		507	Shim 0.1x12x75	022 830
39	Rod guide element on the left		211 165		508	Shim 0,05x12x75	022 831
40	Rod guide element in the middle		211 166		509	Countersunk screw M3x4	023 142
41	Rod guide element on the right		211 168		510	Shoulder screw	239 626
	402	Spring rod	209 791				
	541	Washer 4,3x7x0,5	022 153		Cam box complete contains all parts for one carriage side		
	542	Circlip 3.2	021 019				
	543	Spring	023 344				



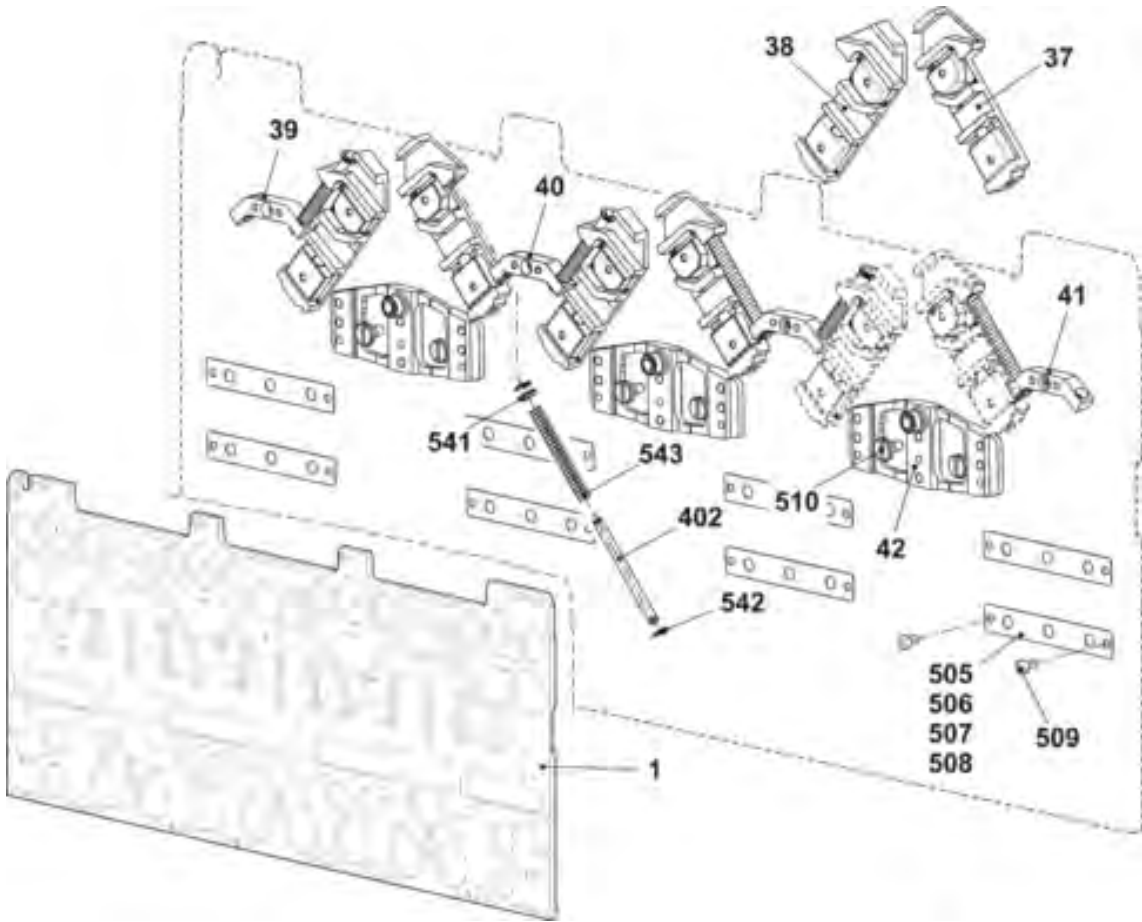
5.18.1 Cams E5.2

Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left	213 304		22	Selector cam on the right	212 947
3	Entry cam on the right	213 303		23	Selector cam	212 946
4	Entry cam at the top	210 285		24	Pressure part take-over on the left	239 848
5	Entry cam in the middle at the bottom E2,5.2 + E3,5.2	235 719		25	Pressure part take-over 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	Limit cam on the left E5	210 289
8	Plate on the right	231 036		28	Limit 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 limit cam E5	253 517
14	Cam on the left E5-14	212 265		34	Raising cam plate E4-12	204 372
15	Cam on the right E5-14	212 266		35	Receiving cam E5	210 386
16	Cam on the left	236 192		36	Raising cam without split E5	253 516
17	Cam part at the right	236 193			Knitting raising cam with split E5 Accessories	255 174
18	Cam on the left E5-14	212 274		48	Cam on the right E5-14	212 275
19	Cam part	210 252		49	Entry cam on the left bottom E5-8	235 718
20	Offering cam	210 185		50	Entry cam on the right at the bottom E5-8	235 720
21	Selector cam on the left	212 944		500	Cap screw M4x8	020 091



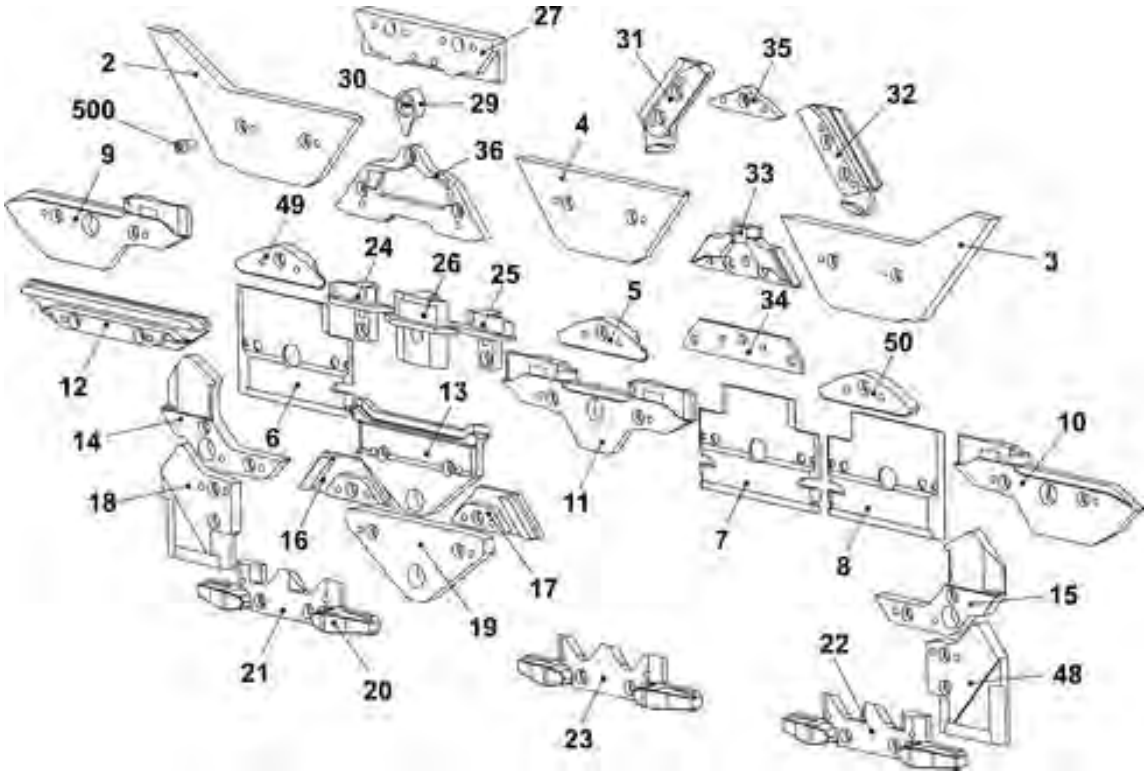
5.19 Cam box E6.2

Pos	Designation		Id		Pos	Designation	Id	
Σ	Cam box complete E6.2		244 376		42	Switching piece	240 281	
1	Cam plate		243 219		505	Shim 0,03x12x75	022 828	
37	Stitch forming cam on the right complete E12 - E14		214 088		506	Shim 0,05x12x75	022 829	
38	Stitch forming cam on the left complete E12 – E14		214 089		507	Shim 0.1x12x75	022 830	
39	Rod guide element on the left		211 165		508	Shim 0,05x12x75	022 831	
40	Rod guide element in the middle		211 166		509	Countersunk screw M3x4	023 142	
41	Rod guide element on the right		211 168		510	Shoulder screw	239 626	
	402	Spring rod	209 791		Cam box complete contains all parts for one carriage side			
	541	Washer 4,3x7x0,5	022 153					
	542	Circlip 3.2	021 019					
	543	Spring	023 344					



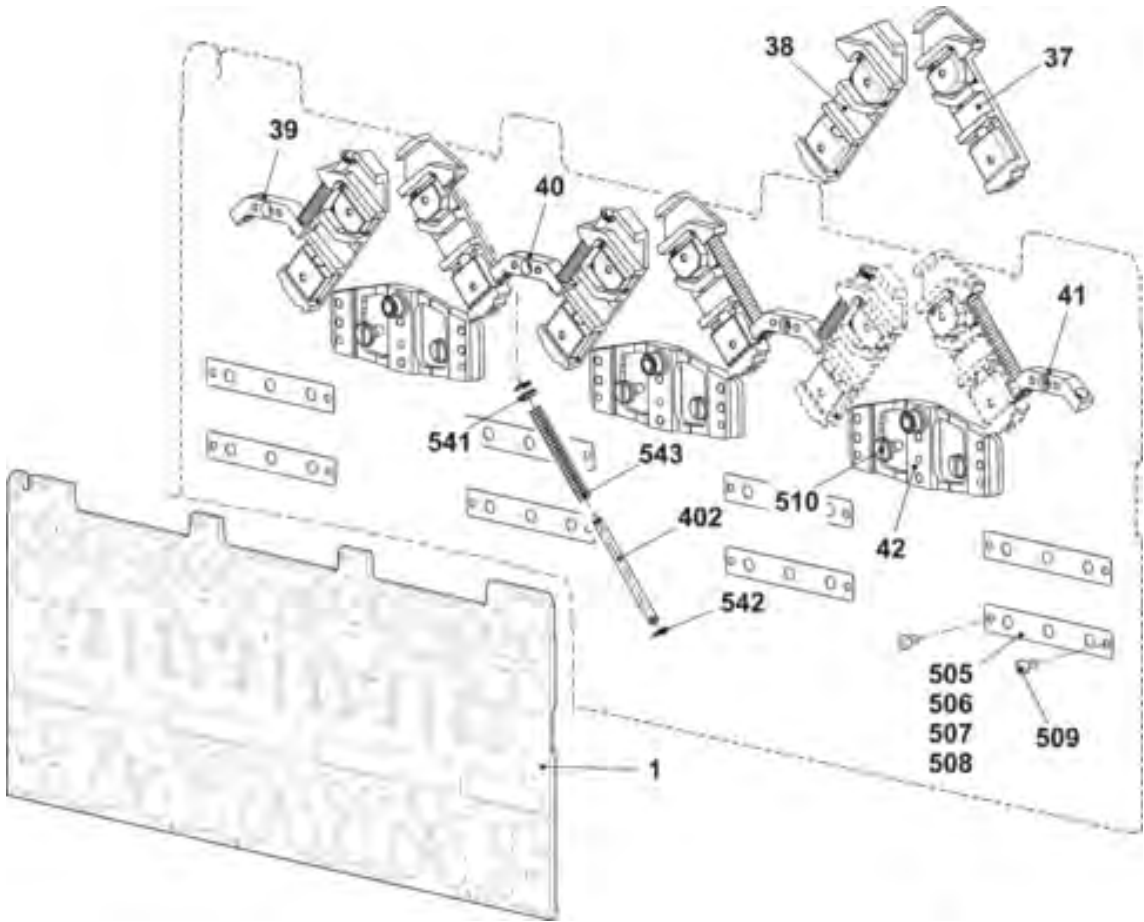
5.19.1 Cams E6.2

Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left	243 595		22	Selector cam on the right	212 947
3	Entry cam on the right	243 597		23	Selector cam	212 946
4	Entry cam in the middle	243 596		24	Pressure part take-over on the left	239 848
5	Entry cam at the bottom - 1.5 E10 - E14	216 328		25	Pressure part take-over 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	Limit cam E6.2	218 306
8	Plate on the right	231 036		29	Pointer E10 – E14	210 349
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 E6.2	236 392
11	Cam part at the center	231 040		32	Stitch cam on the right E6.2	236 393
12	Cam part	227 923		33	Tuck limit cam E6.2	236 429
13	Cam part	210 254		34	Raising cam plate E4-12	204 372
14	Cam on the left E5 – E14	212 265		35	Receiving cam E6.2	236 943
15	Cam on the right E5 - E14	212 266		36	Raising cam part without split E6.2	236 766
16	Cam on the left	236 192			Raising cam part with split E6.2	237 948
17	Cam part at the right	236 193			Accessories	
18	Cam on the left E5 - E14	212 274		48	Cam on the right E5-14	212 275
19	Cam part	210 252		49	Entry cam on the left -1.5 E10	216 329
20	Offering cam	210 185		50	Entry cam on the right -1.5 E10 - E14	216 330
21	Selector cam on the left	212 944		500	Cap screw M4x8	020 091



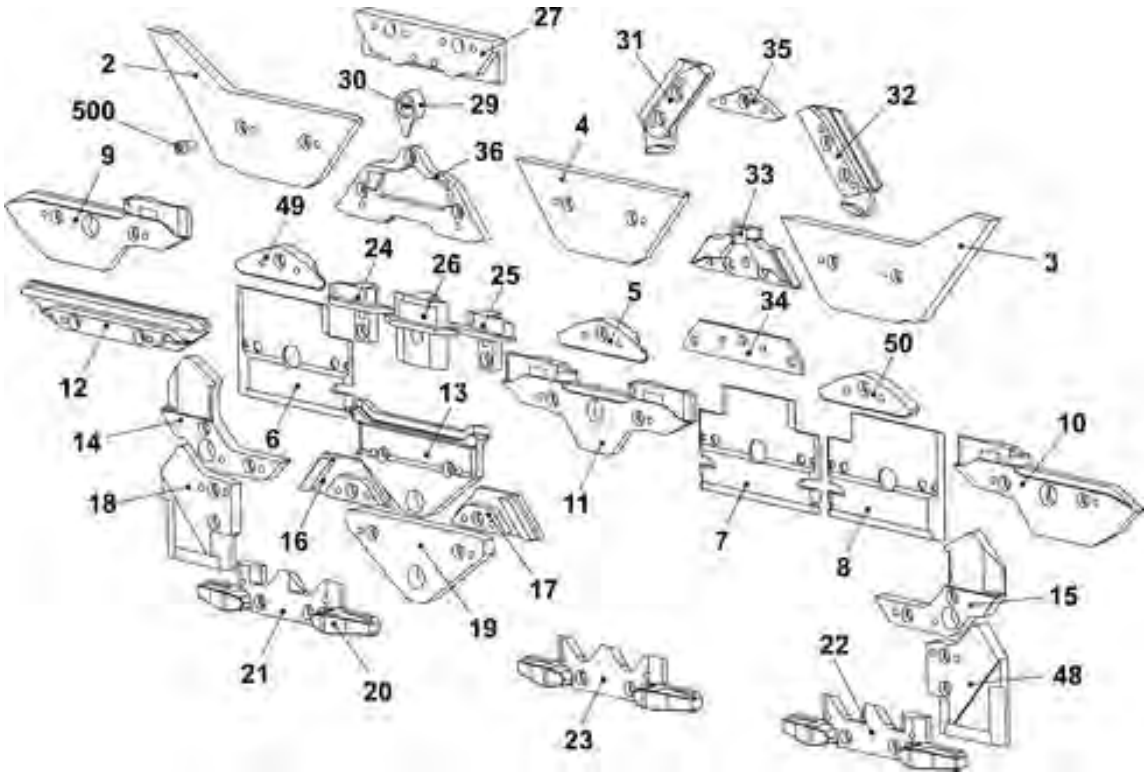
5.20 Cam box E7.2

Pos	Designation		Id		Pos	Designation		Id	
Σ	Cam box complete E7.2		243 397		42	Switching piece		240 281	
1	Cam plate		243 219		505	Shim 0,03x12x75		022 828	
37	Stitch forming cam on the right complete E12 - E14		214 088		506	Shim 0,05x12x75		022 829	
38	Stitch forming cam on the left complete E12 – E14		214 089		507	Shim 0.1x12x75		022 830	
39	Rod guide element on the left		211 165		508	Shim 0,05x12x75		022 831	
40	Rod guide element in the middle		211 166		509	Countersunk screw M3x4		023 142	
41	Rod guide element on the right		211 168		510	Shoulder screw		239 626	
	402	Spring rod	209 791		Cam box complete contains all parts for one carriage side				
	541	Washer 4,3x7x0,5	022 153						
	542	Circlip 3.2	021 019						
	543	Spring	023 344						



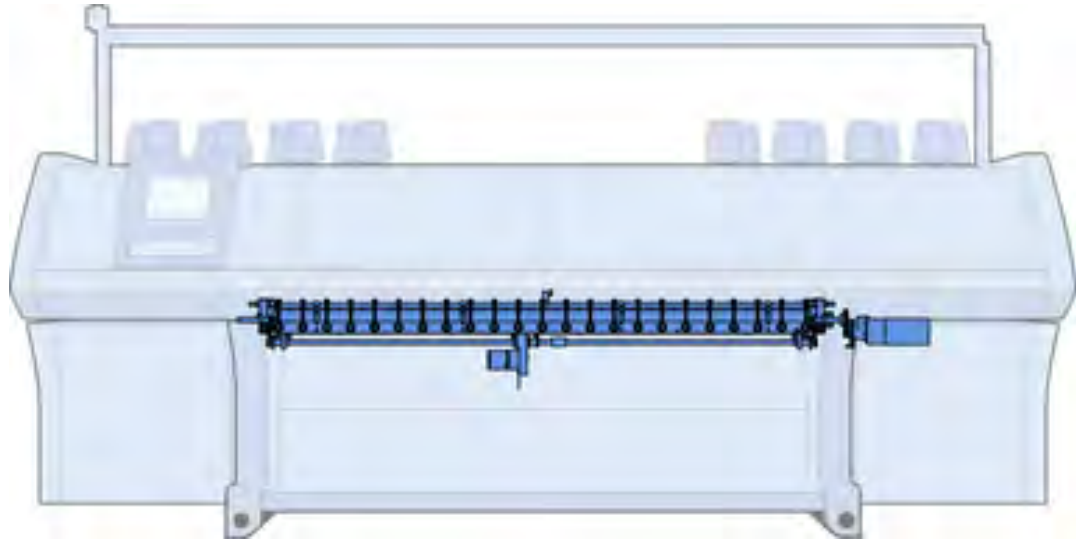
5.20.1 Cams E7.2

Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left bottom E6.2 + 7.2 + 9.2	243 870		22	Selector cam on the right	212 947
3	Entry cam on the right E6.2 + 7.2 + 9.2	243 872		23	Selector cam	212 946
4	Entry cam at the top E6.2 + 7.2 + 9.2	243 871		24	Pressure part take-over on the left	239 848
5	Entry cam at the bottom E5-8	212 395		25	Pressure part take-over 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	Limit cam E10	210 611
8	Plate on the right	231 036		29	Pointer E10 – E14	210 349
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 E10-14 + 7.2	236 318
11	Cam part at the center	231 040		32	Stitch cam on the right E10-14 + 7.2	236 319
12	Cam part	227 923		33	Tuck limit cam E10+7.2	236 345
13	Cam part	210 254		34	Raising cam plate E4-12	204 372
14	Cam on the left E5 – E14	212 265		35	Receiving cam E10-12	210 595
15	Cam on the right E5 - E14	212 266		36	Raising cam part without split E10-12+7.2	237 993
16	Cam on the left	236 192			Knitting raising cam with split (Accessories)	213 300
17	Cam part at the right	236 193		48	Cam on the right E5-14	212 275
18	Cam on the left E5 - E14	212 274		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	Selector cam on the left	212 944				



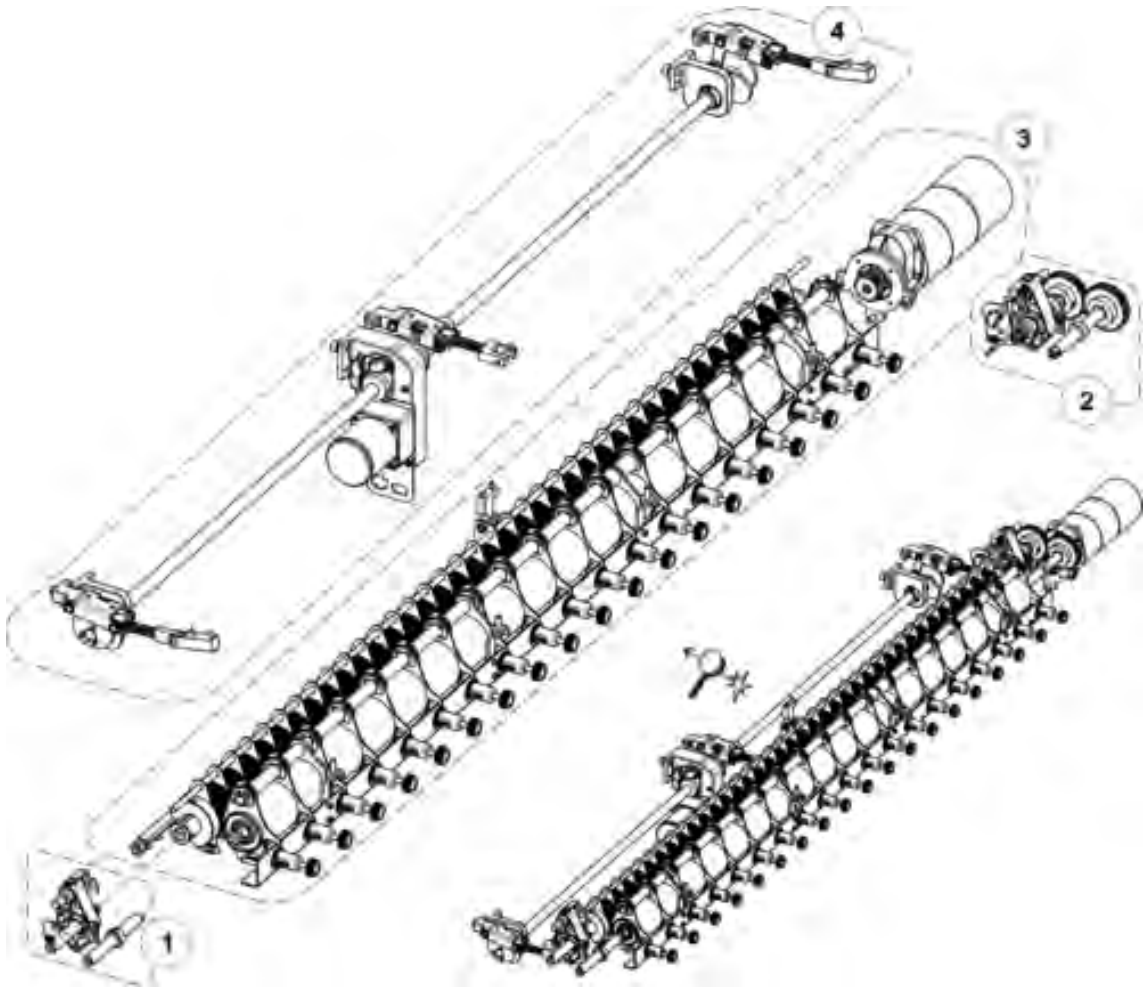
Notes:

6 Main take-down



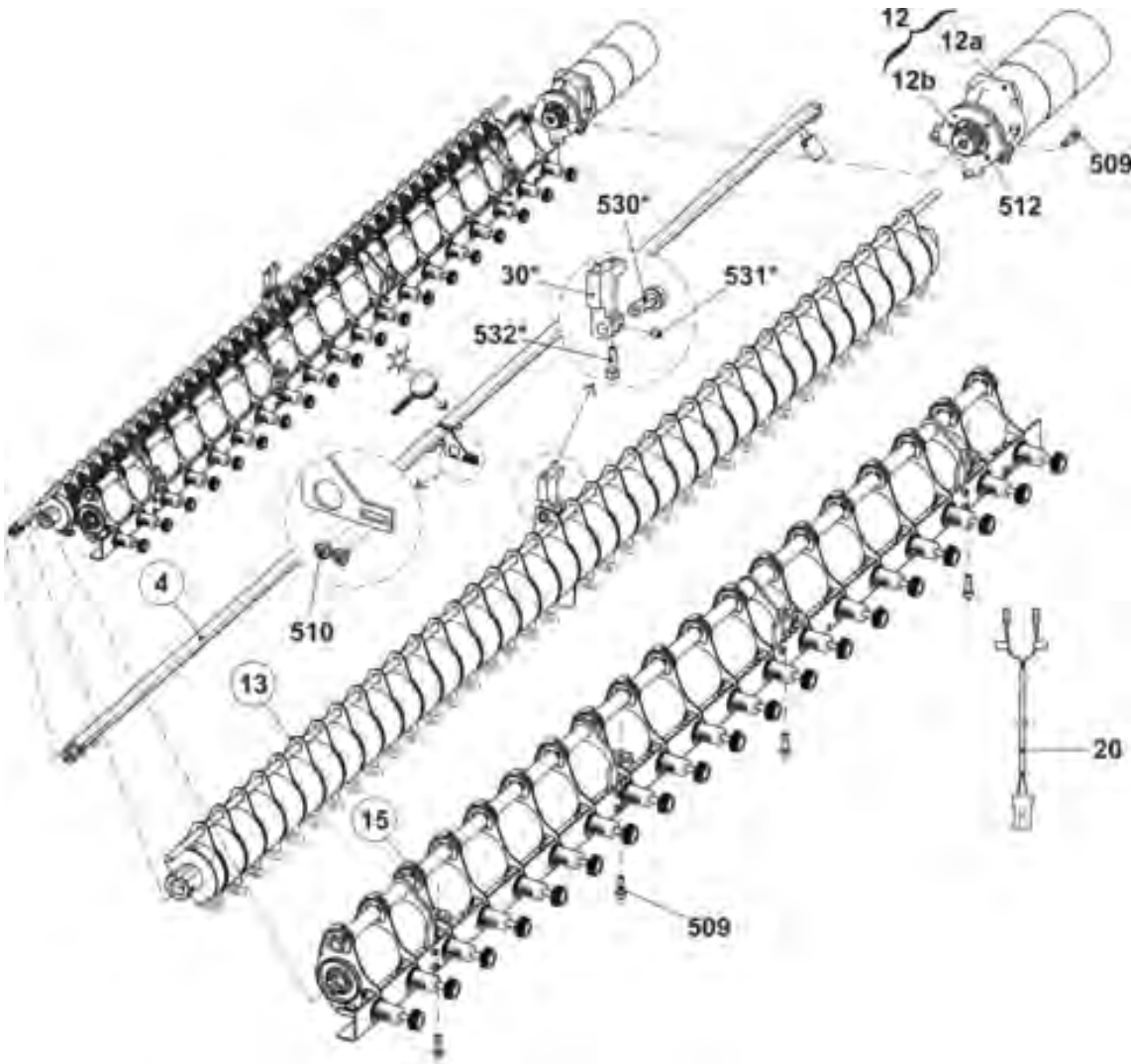
6.1 Main take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down				
1	Main take-down on the left	254 943	4	Main take-down on/off complete 72"	253 935
2	Main take-down on the right	254 944			
3	Main take-down in the middle				
	E5 E7 E8 E10 E12 E14 E5m.4 E7m.5 7m.8 E8m.7 E10m.12 E6.2(12m.10) E2,5.2 E3,5.2 E5.2 E6.2 E7.2	254 931			
	E16 E18	254 932			



6.2 Main take-down in the middle

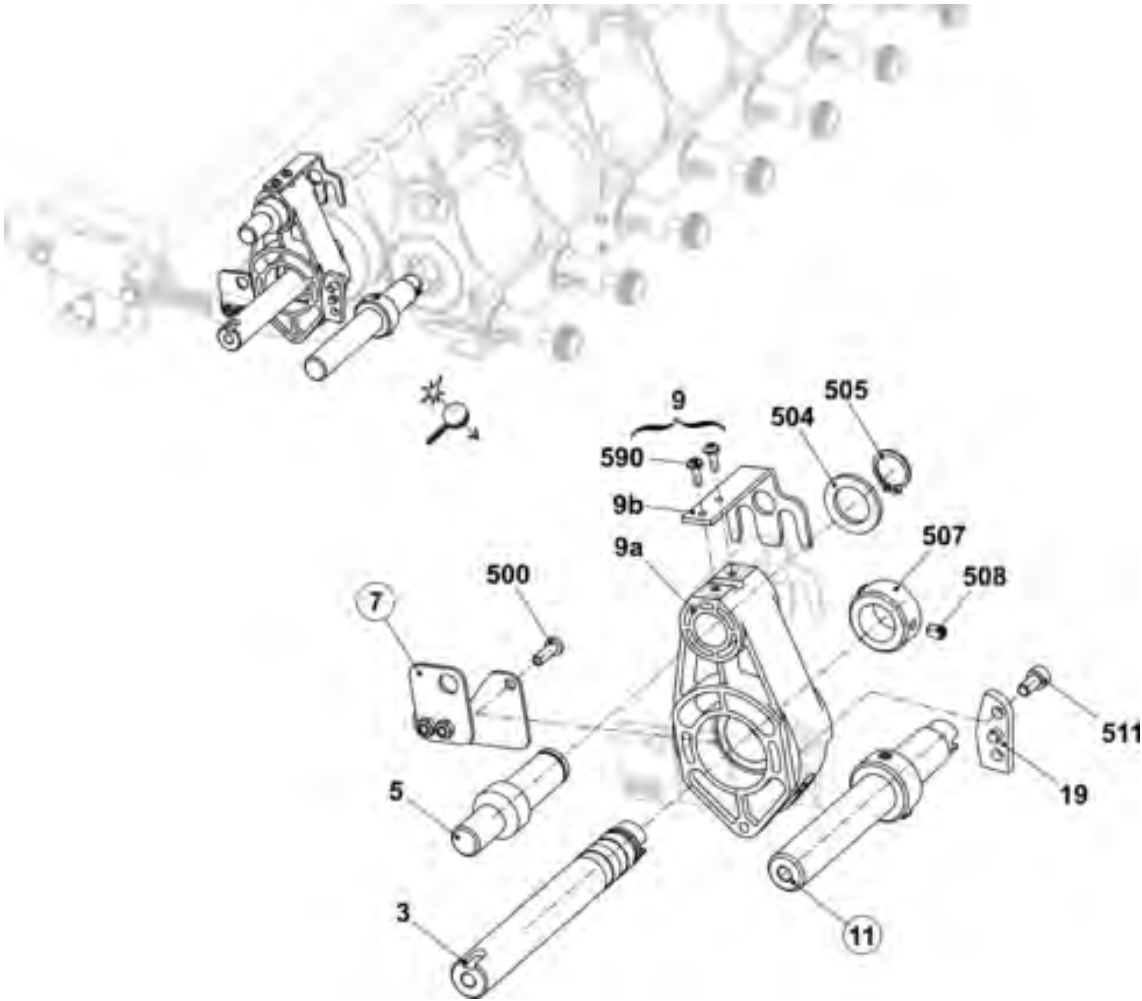
Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down remaining parts				
	E5 E7 E8 E10 E12 E14 E5m.4 E7m.5 7m.8 E8m.7 E10m.12 E6.2(12m.10) E2,5.2 E3,5.2 E5.2 E6.2 E7.2	254 931	13	Take-down roller at the rear complete E5-14	242 463
	E16 E18	254 932	15	Take-down roller at the front complete	253 912
4	Stripper angle at the rear complete	240 413	20	Connection cable winding plate	241 703
12	Motor take-down unit complete	253 803	510	Oval head screw M4x6	235 450
	12a Motor take-down unit comb	214 279	30*	Bearing block	237 357
	12b Flange	241 754	530*	Bolts	237 211
	512 Hexagon screw M6x16	020 356	531*	Setscrew M6x8	023 723
509	Cap screw M8x25	020 142	532*	Cap screw M6X20	020 136



6.3 Main take-down on the left

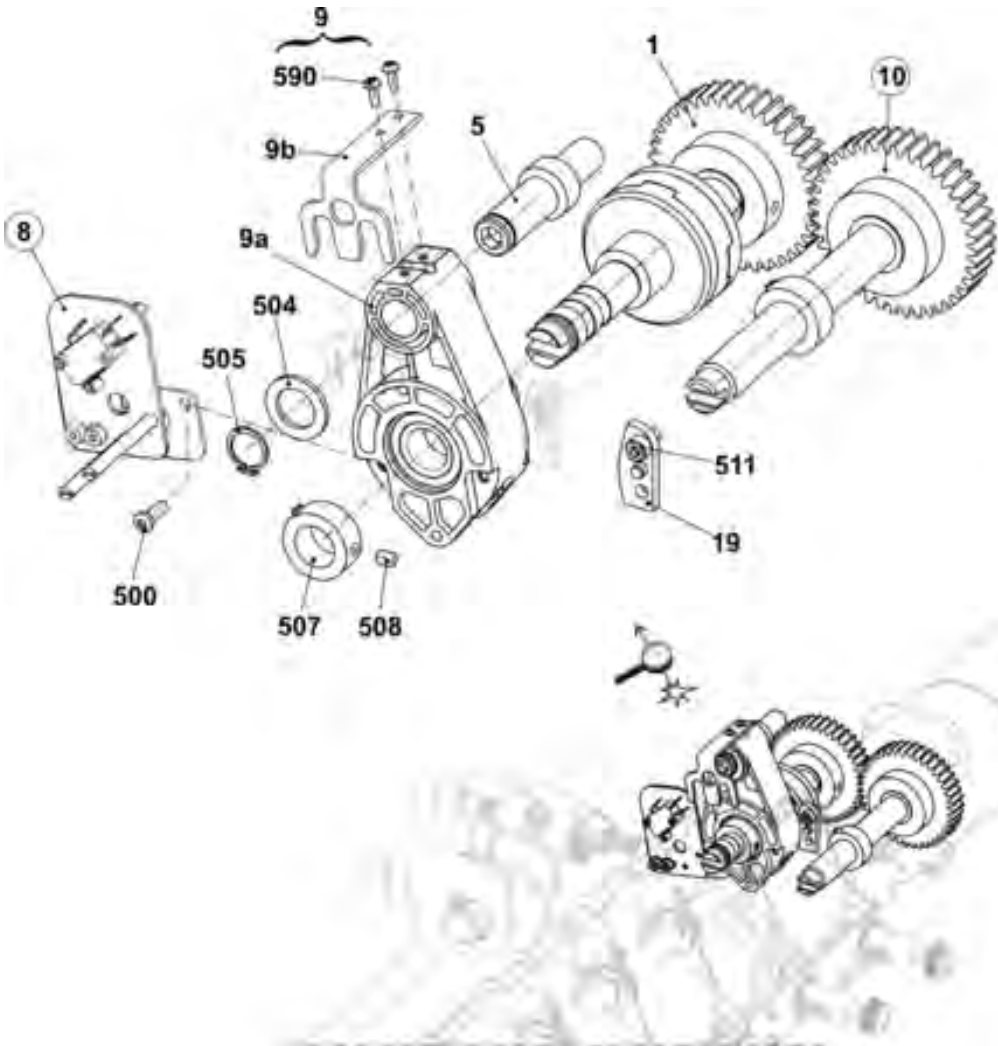
6.3 Main take-down on the left

Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down on the left	254 943		11	Floating axle on the left	235 829
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	U-washer 18	023 295
9	Swivel-mounted bearing	253 247		505	Locking ring 18x1.2	020 955
9a	Swivel-mounted bearing	253 200		507	Set collar	020 938
9b	Sheet metal support	253 212		508	Set screw	022 684
590	Screw 35x10	251 729		511	Cap screw M6X12	020 134



6.4 Main take-down on the right

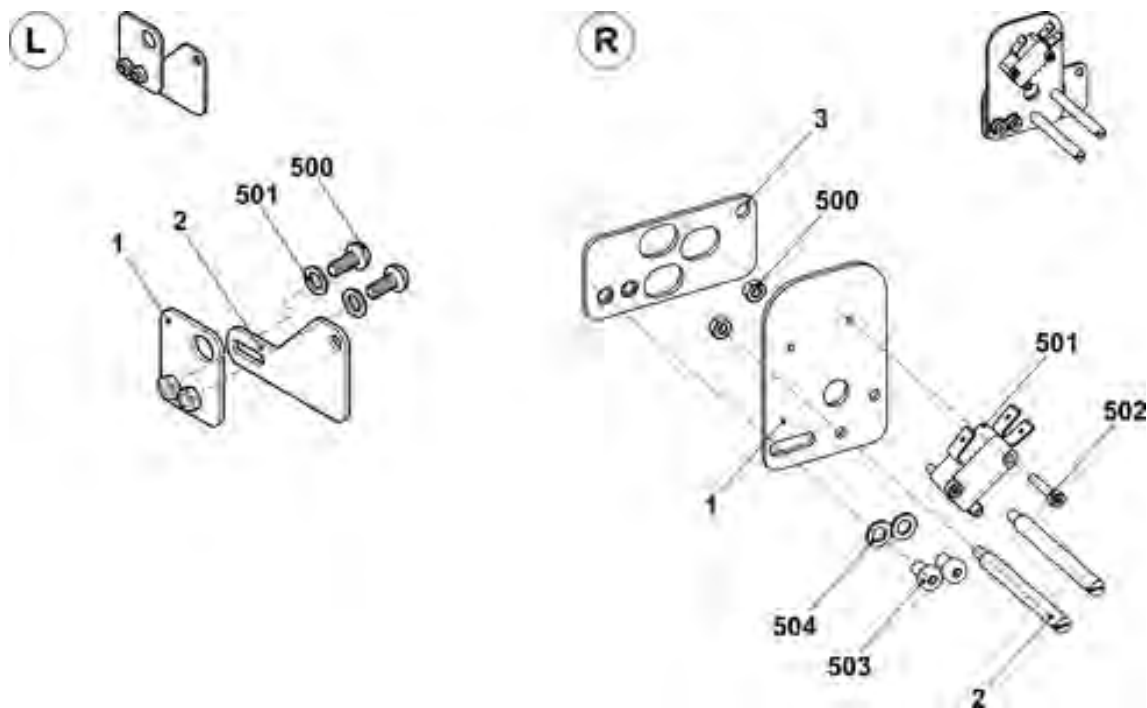
Pos	Designation		Id		Pos	Designation		Id
Σ	Main take-down on the right		254 944		10	Floating axle on the right		235 830
1	Clutch set		251 677		19	Stop point		252 503
5	Bolts		208 538		500	Screw 50x15		251 728
8	Mounting plate on the right complete		240 069		504	U-washer 18		023 295
9	Swivel-mounted bearing		253 247		505	Locking ring 18x1.2		020 955
	9a	Swivel-mounted bearing	253 200		507	Set collar A20		020 938
	9b	Sheet metal support	253 212		508	Setscrew M6x8		022 684
	590	Screw 35x10	251 729		511	Cap screw M6X12		020 134



6.4 Main take-down on the right

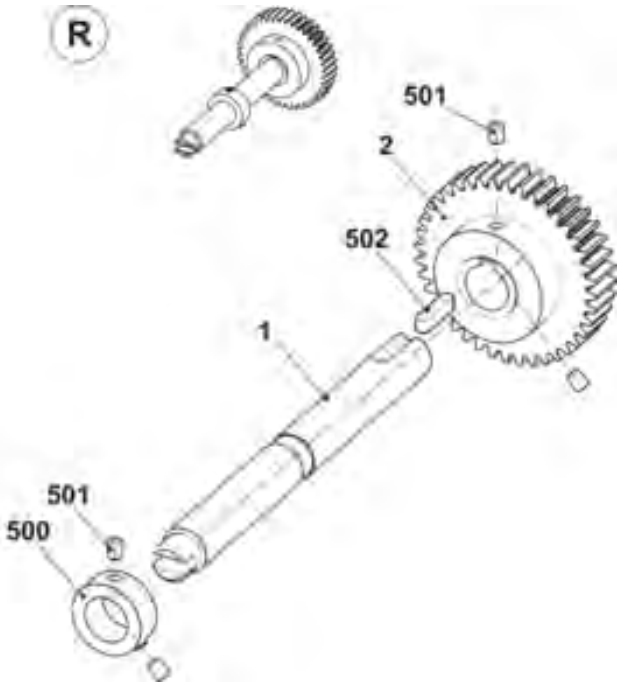
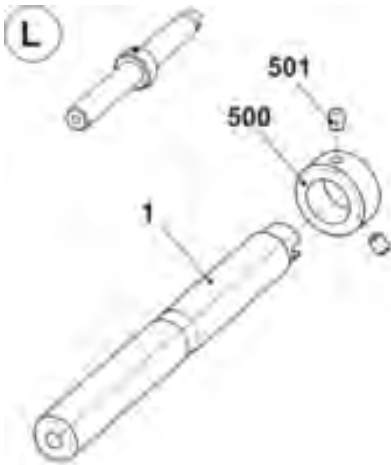
6.4.1 Mounting plate

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



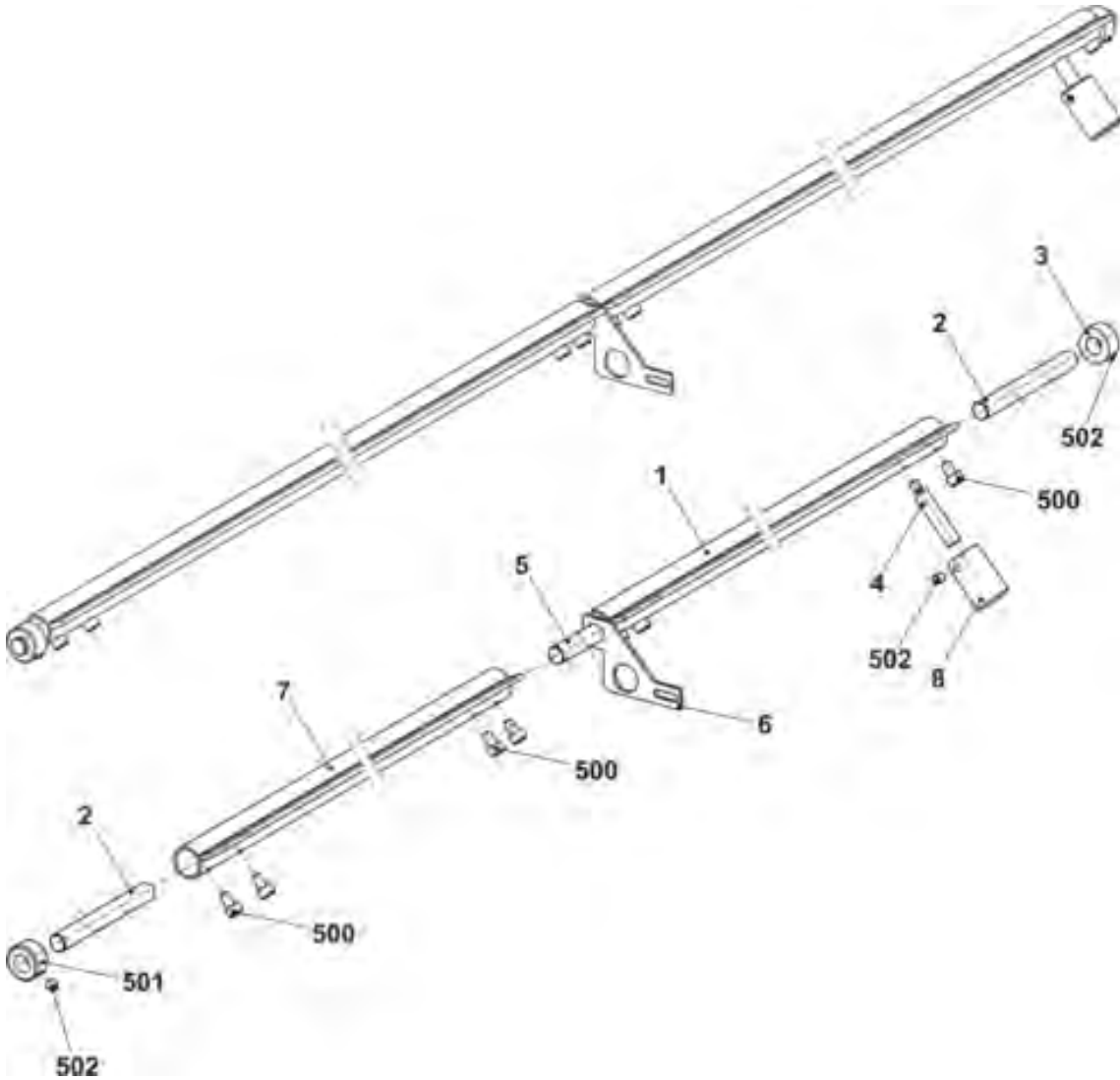
6.4.2 Floating axle

Pos	Designation	Id		Pos	Designation	Id
Σ L	Floating axle on the left	235 829		Σ R	Floating axle on the right	235 830
1	Shaft on the left at the front	235 827		1	Shaft on the right in front	235 826
500	Set collar	020 938		2	Gear wheel Z=40, M=2	213 744
501	Setscrew M6x8	022 684		500	Set collar	020 938
				501	Setscrew M6x8	022 684
				502	Feather key A 6x6x25	023 017



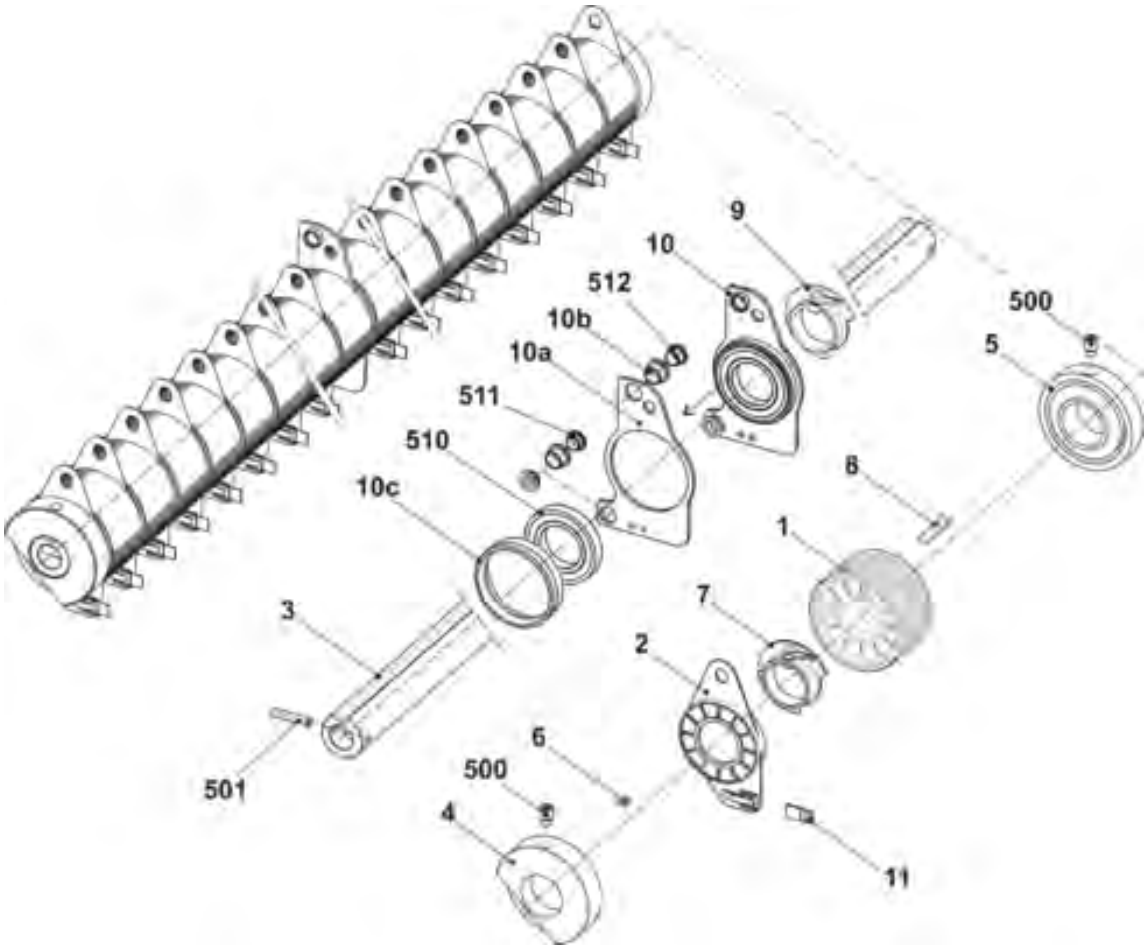
6.5 Stripper angle

Pos	Designation	Id		Pos	Designation	Id
Σ	Stripper angle at the rear complete	240 413		6	Strap	235 731
1	Stripper angle on the right	240 414		7	Stripper angle on the left	240 415
2	Shaft	240 127		8	Adjustment weight	229 248
3	Cam	209 278		500	Cap screw M5x8	023 319
4	Bolts	228 310		501	Set collar	020 934
5	Axle	228 803		502	Set screw M5x6	022 738



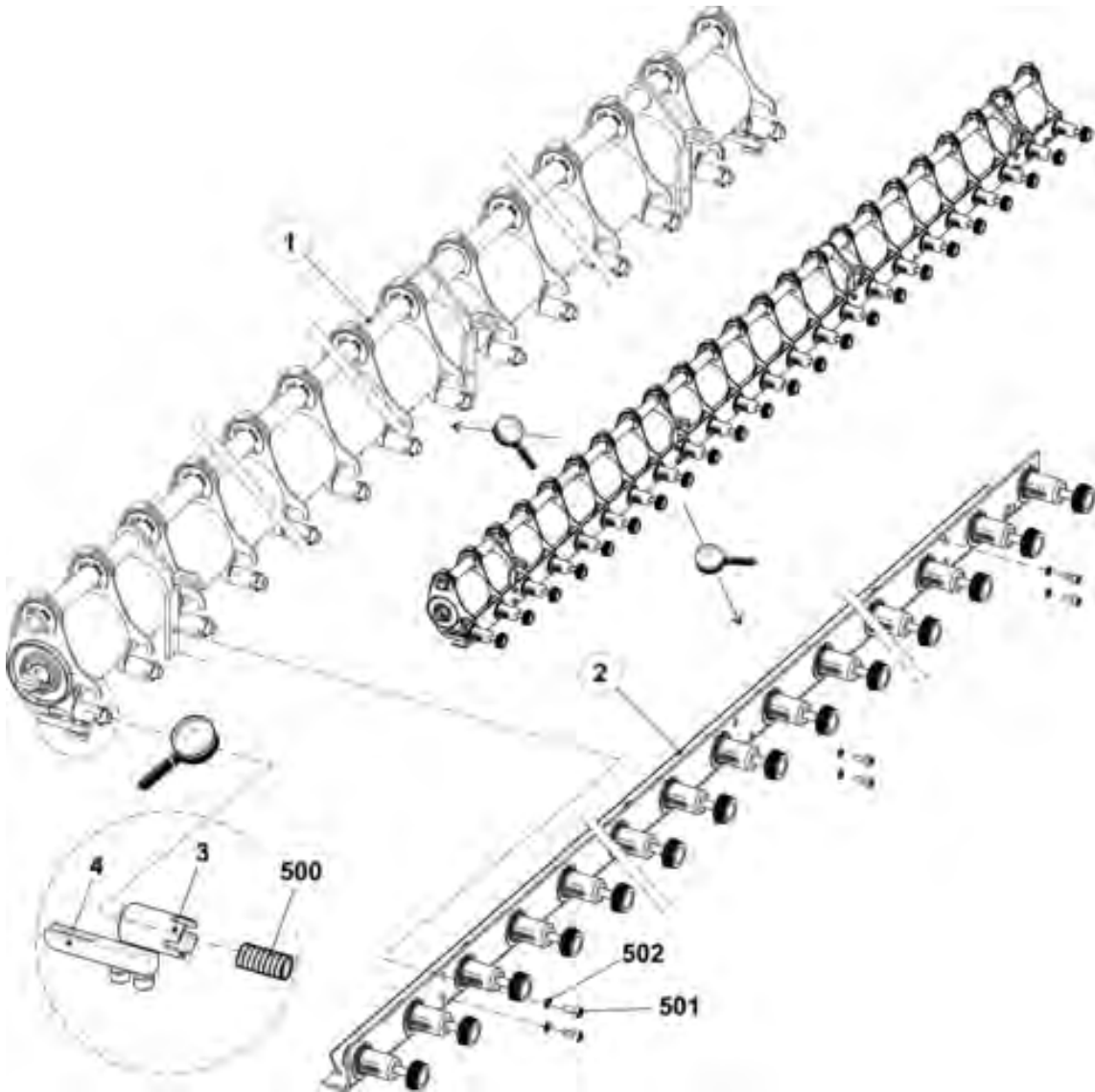
6.6 Rear take-down roller

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the rear complete E5-14	242 463	10	Support	232 578
1	Roller	206 770	10a	Supporting plate	232 512
2	Stripper	241 612	10b	Bearing	232 571
3	Shaft	222 147	10c	Ring	222 895
4	Ring on the left	250 573	11	Brush	225 819
5	Ring on the right	250 574	500	Set screw M6x16-45	020 635
6	Spacer slide	222 062	501	Setting pin 6x32	020 685
7	Stop ring on the left	204 369	510	Grooved ball bearing 16007	021 697
8	Spacer slide	240 104	511	Slide bearing GFM-101216-06	023 280
9	Stop ring on the left	222 910	512	Slide bearing GFM-101216-09	023 356



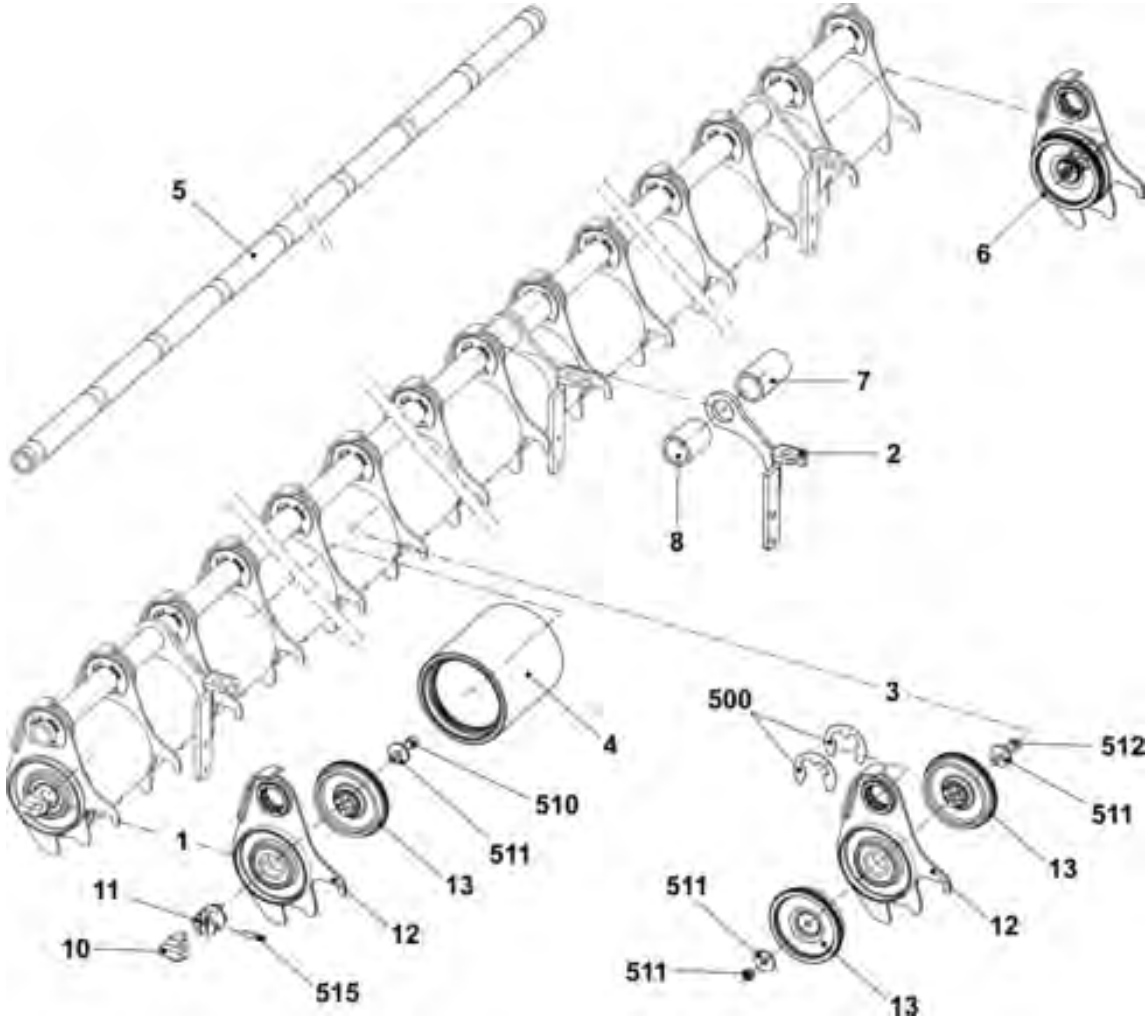
6.7 Front take-down roller

Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller at the front complete	253 912		4	Fixed piece	221 935
1	Take-down roller at the front	253 902		500	Compression spring 1x10x30	023 741
2	Angle rail complete	241 828		501	Cap screw M5x12	020 132
3	Pressure sleeve	220 911		502	U-washer 5-200	020 880



6.7.1 Front roller elements

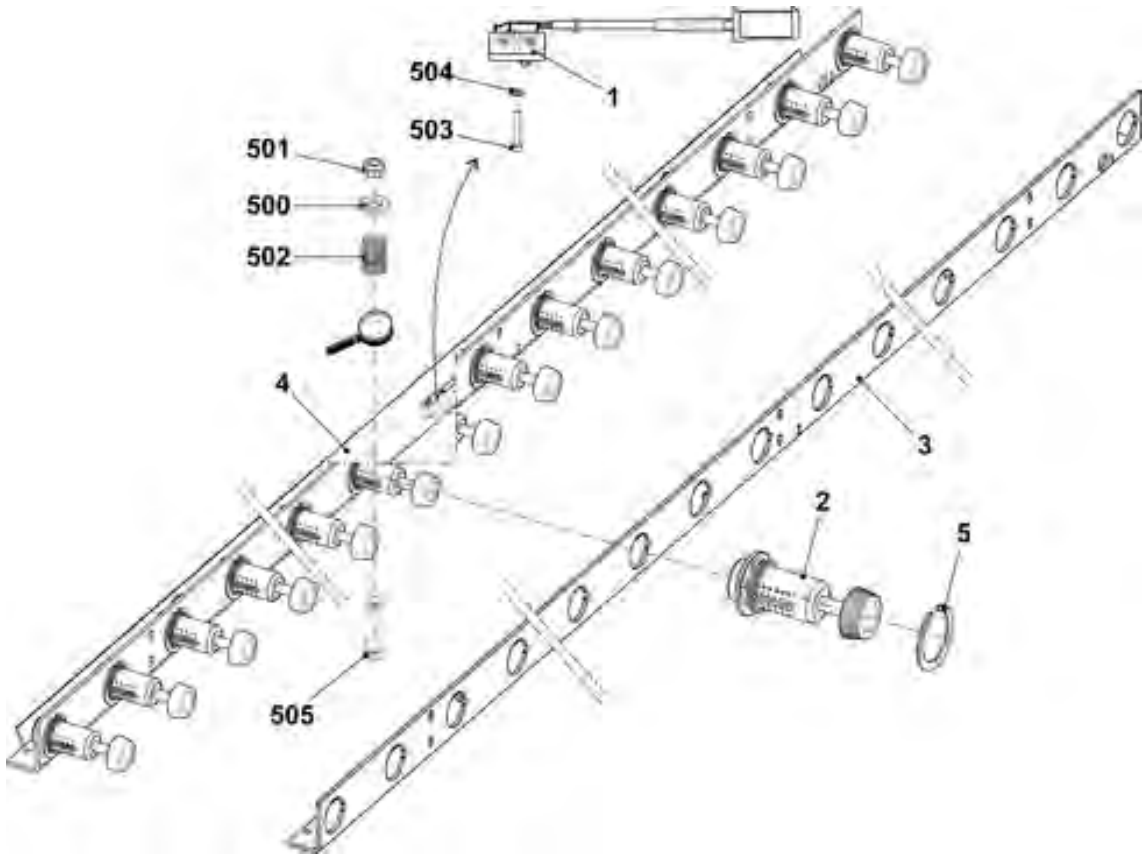
Pos	Designation		Id		Pos	Designation		Id
Σ	Take-down roller at the front		253 902		4	Roller		220 905
1	Bearing support on the left complete		221 225		5	Tube		222 151
	10	Universal joint	221 137		6	Bearing support on the right complete		221 240
	11	adaptor	221 132			10	Universal joint	221 137
	12	Bearing support	220 913			11	adaptor	221 132
	13	Gear wheel	220 910			12	Bearing support	220 913
	510	Cap screw M5X20	020 133			13	Gear wheel	220 910
	511	Washer 5-100hv	023 542			510	Cap screw M5X20	020 133
	515	Spring dowel sleeve 4x20	023 551			511	Washer 5-100hv	023 542
2	Support		251 557			515	Spring dowel sleeve 4x20	
3	Bearing support complete		221 241		7	Distance pipe on the right		253 407
	12	Bearing support	220 913		8	Distance pipe on the left		253 408
	13	Gear wheel	220 910		500	Circlip		021 025
	511	Washer 5-100hv	023 542					
	512	Cap screw M5X30	022 396					



6.7 Front take-down roller

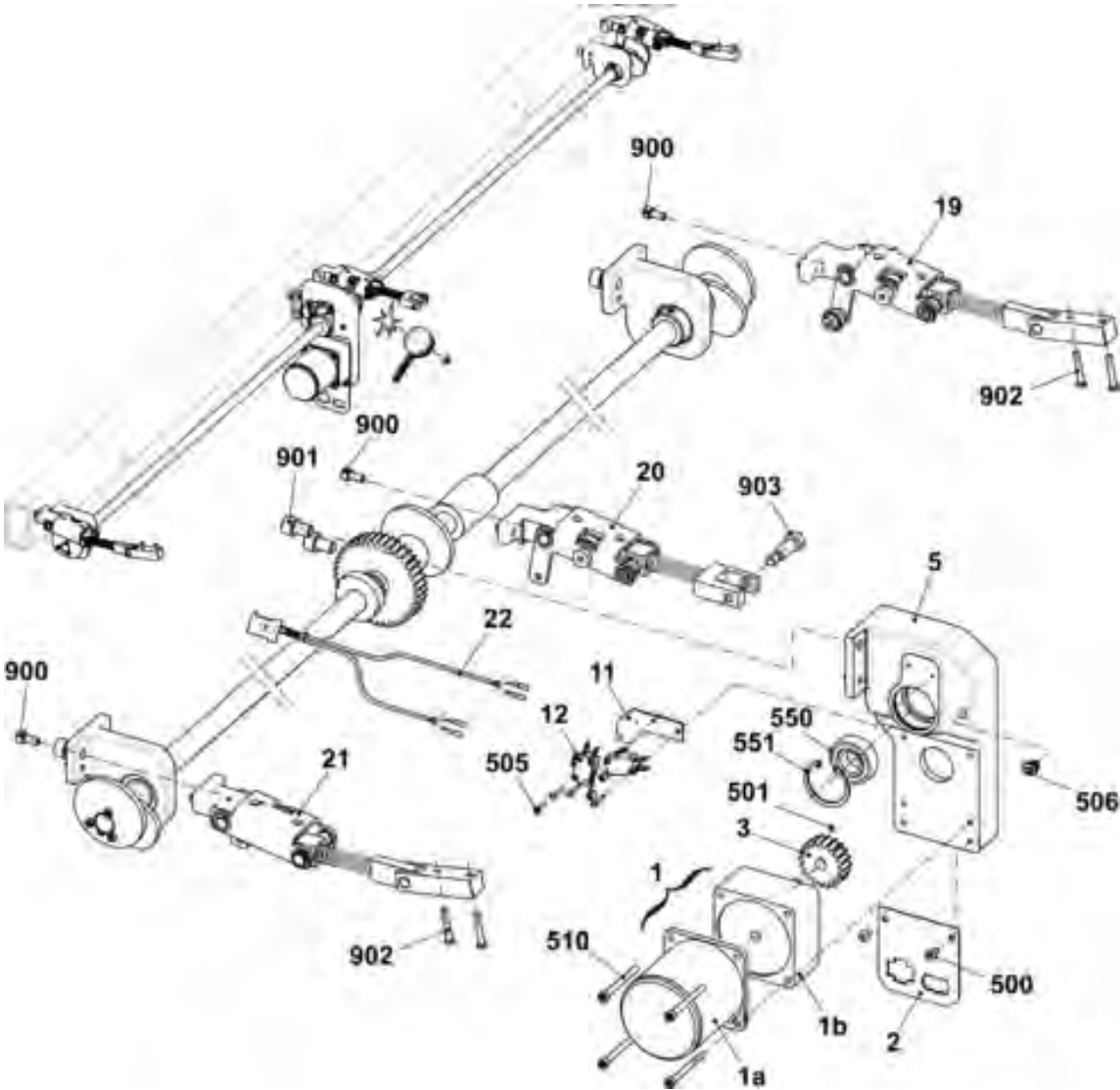
6.7.2 Pressure angle rail

Pos	Designation	Id		Pos	Designation	Id
Σ	Angle rail complete	241 828		500	U-washer 6	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	241 774		503	Cap screw M2X12	023 522
4	Winding plate	222 105		504	U-washer 2-200	022 908
5	Locking ring	242 325		505	Shoulder screw M5x20x5	023 675



6.8 Take-down closing device

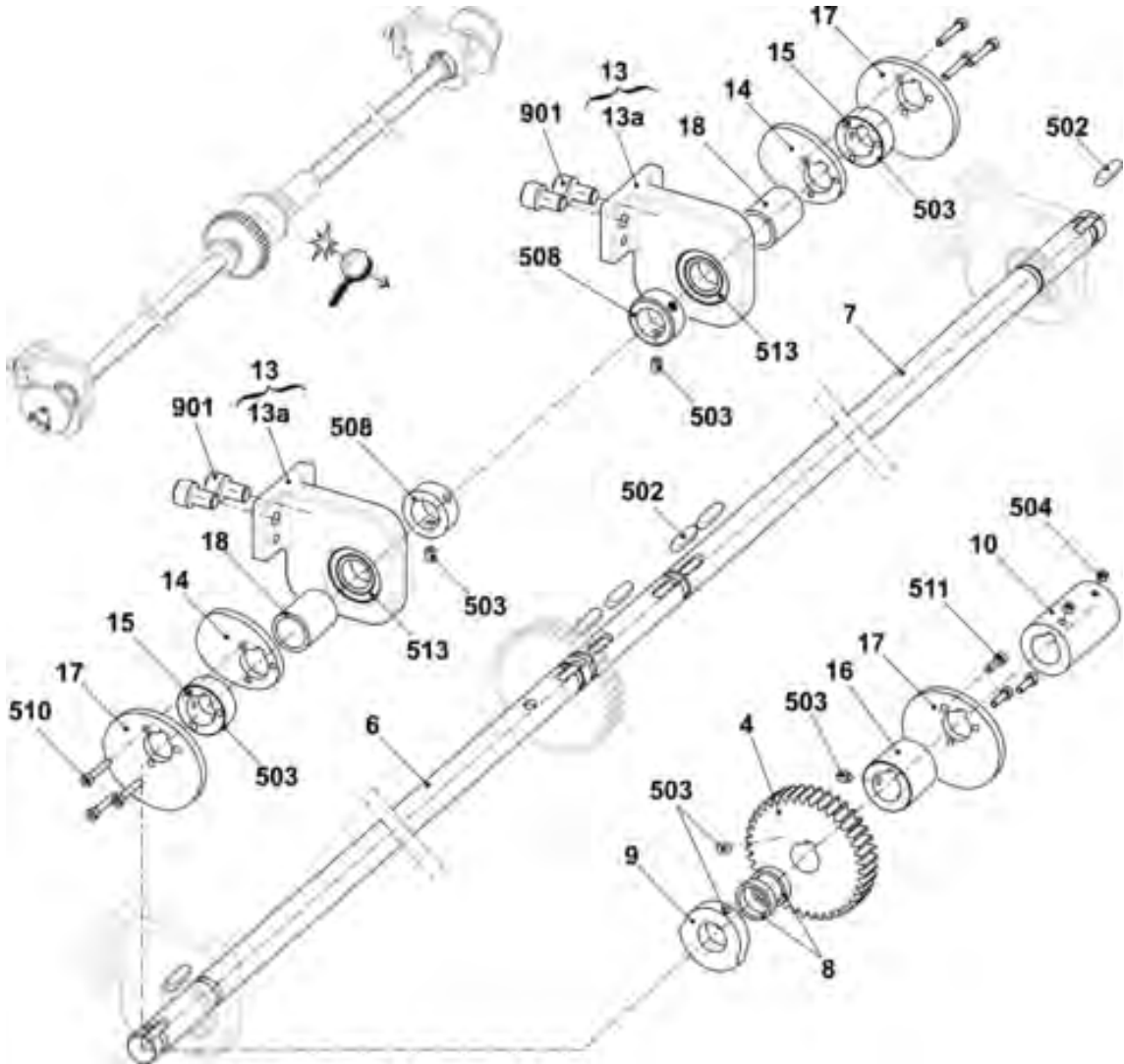
Pos	Designation		Id	Pos	Designation		Id
Σ	Main take-down on/off complete		253 935	19	Swivel support on the right complete		253 389
1	Motor complete		235 246	20	Swivel holder on the left complete		253 388
	1a	Motor 25W	232 456	21	Swivel holder in the middle complete		239 188
	1b	Gear	234 983	22	Cable switch HAAB open		232 442
	510	Cap screw M5X55	023 321	500	Cap screw M5x8		023 319
2	Sheet metal		232 992	501	Setscrew M4x4		022 875
3	Gear wheel		232 434	505	Cap screw M3x15		020 009
5	Support in the middle complete		235 247	506	Assembling element		209 543
	550	Deep groove ball bearing 6004-2Z	022 720	900	Cap screw M6X14		022 658
	551	Locking ring 42x1.75	023 293	901	Cap screw M10X16		023 895
11	Limit switch retaining plate		235 190	902	Screw M50x30		253 257
12	Microswitch XGK2-S21 250 VAC		210 510	903	Cap screw M10X25		023 751



6.9 Continuation of take-down closing device

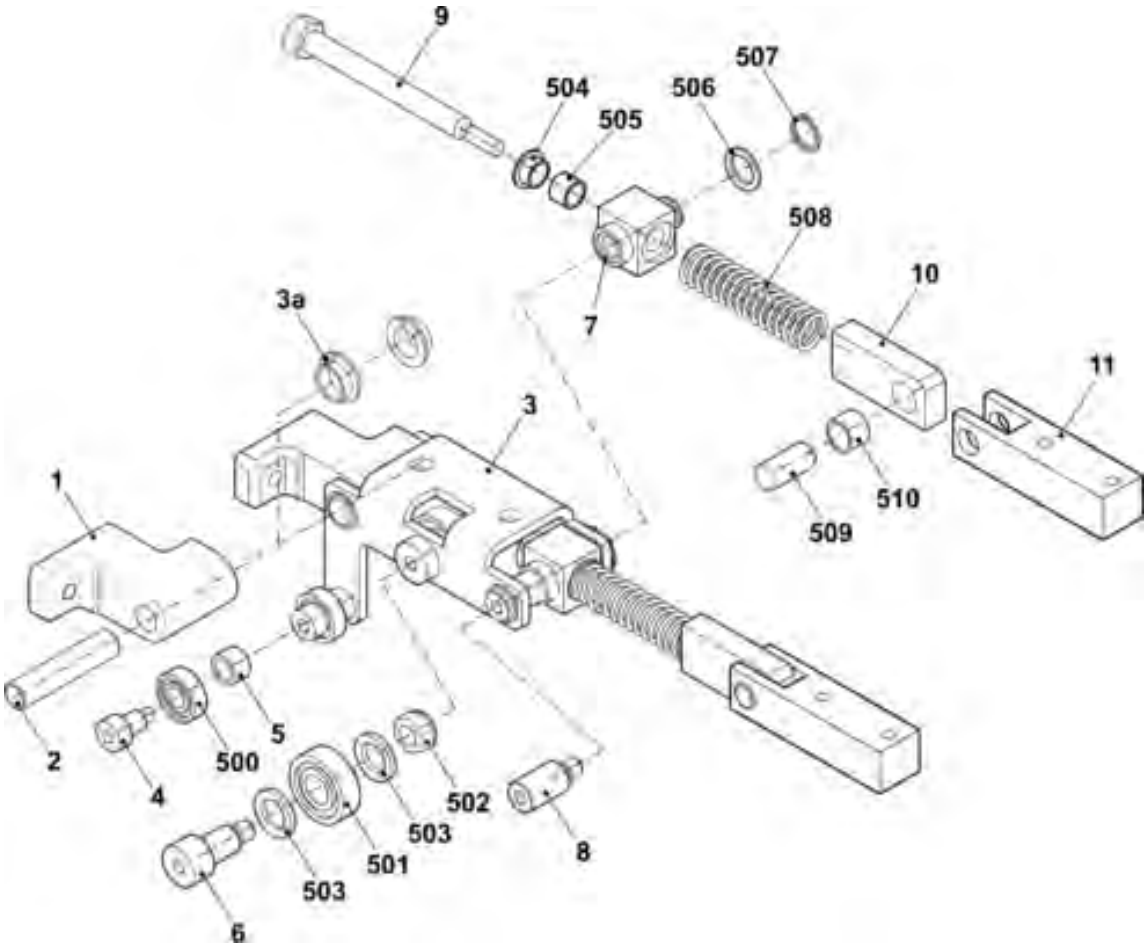
6.9 Continuation of take-down closing device

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down on/off complete	253 935	15	Guide bush	234 876
4	Gear wheel	213 744	16	Guide bush	235 623
6	Shaft	235 618	17	Eccentric	232 382
7	Shaft	235 619	18	Distance pipe	235 128
8	Threaded spacer	232 385	502	Feather key A 6x6x25	023 017
9	Trip cam	232 383	503	Setscrew M6x8	023 723
10	Coupling	232 604	504	Set screw M6x5	023 192
13	Support on the outside complete	235 248	508	Set collar A20	020 938
13a	Support	234 780	510	Cap screw M4x25	023 302
513	Deep groove ball bearing 6004-2Z	022 720	511	Cap screw M4x14	023 604
14	Eccentric	235 135	901	Cap screw M10x16	023 895



6.9.1 Right swivel support

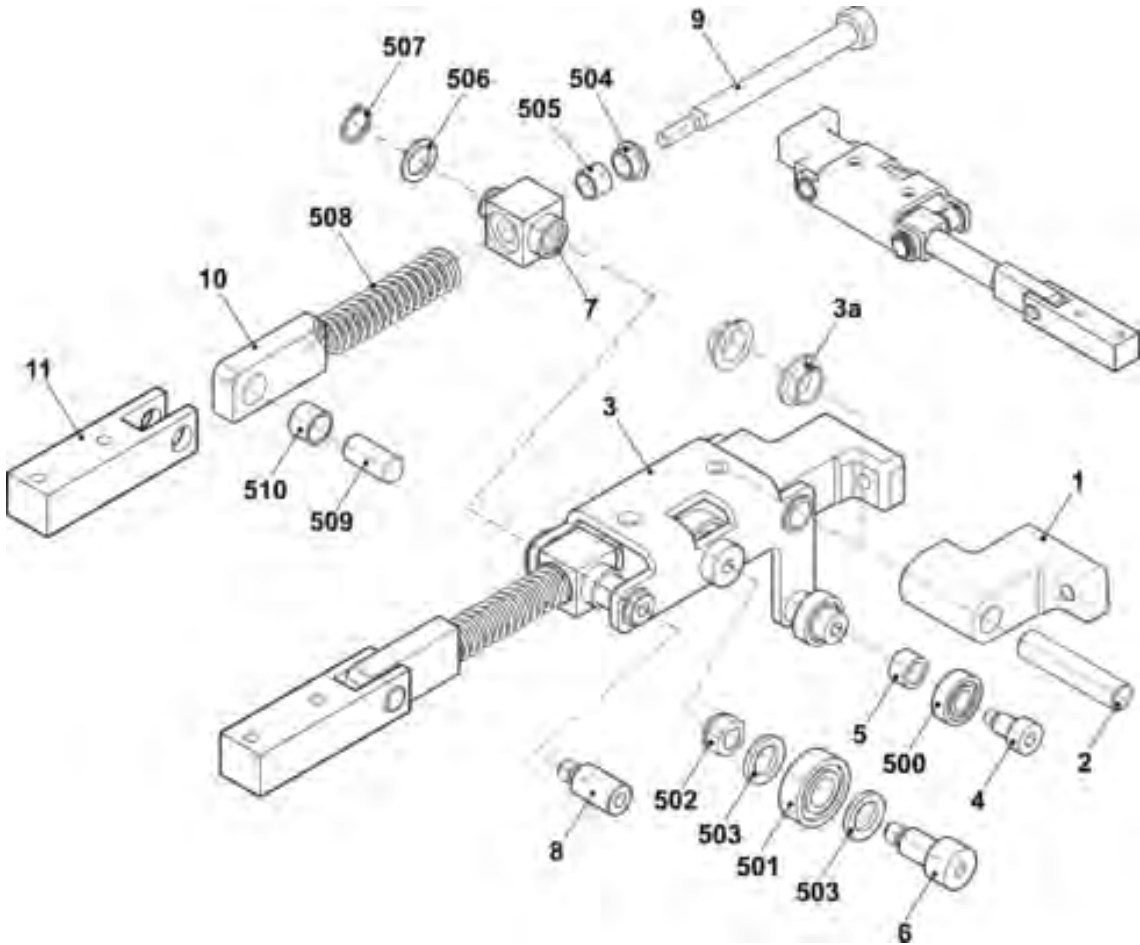
Pos	Designation	Id		Pos	Designation	Id
Σ	Swivel support on the right complete			11	Lever	253 199
1	Support	239 163		500	Grooved ball bearing 619/8-2RS	023 728
2	Bearing pin	239 164		501	Deep groove ball bearing 6000-2Z	022 599
3	Bow	238 974		502	Hexagon nut M8-8	022 843
3a	Clip bearing 11-MCM-12-04	023 639		503	Adjusting washer 10x16x2	023 600
4	Shoulder screw	239 133		504	Slide bearing GFM-081014-06	023 358
5	Threaded spacer	239 134		505	Slide bearing GSM-0810-10	023 896
6	Shoulder screw	239 132		506	Shim ring 12x18x1	023 315
7	Swivel-mounted bearing	239 100		507	Locking ring 12x1	020 951
8	Bearing bolt	239 117		508	Compression spring 2.5x12.5x67.5	023 743
9	Spring mandrel on the inside	232 388		509	Dowel pin 10x20	023 616
10	Lever	238 370		510	Slide bearing GSM-1012-10	239 178



6.9 Continuation of take-down closing device

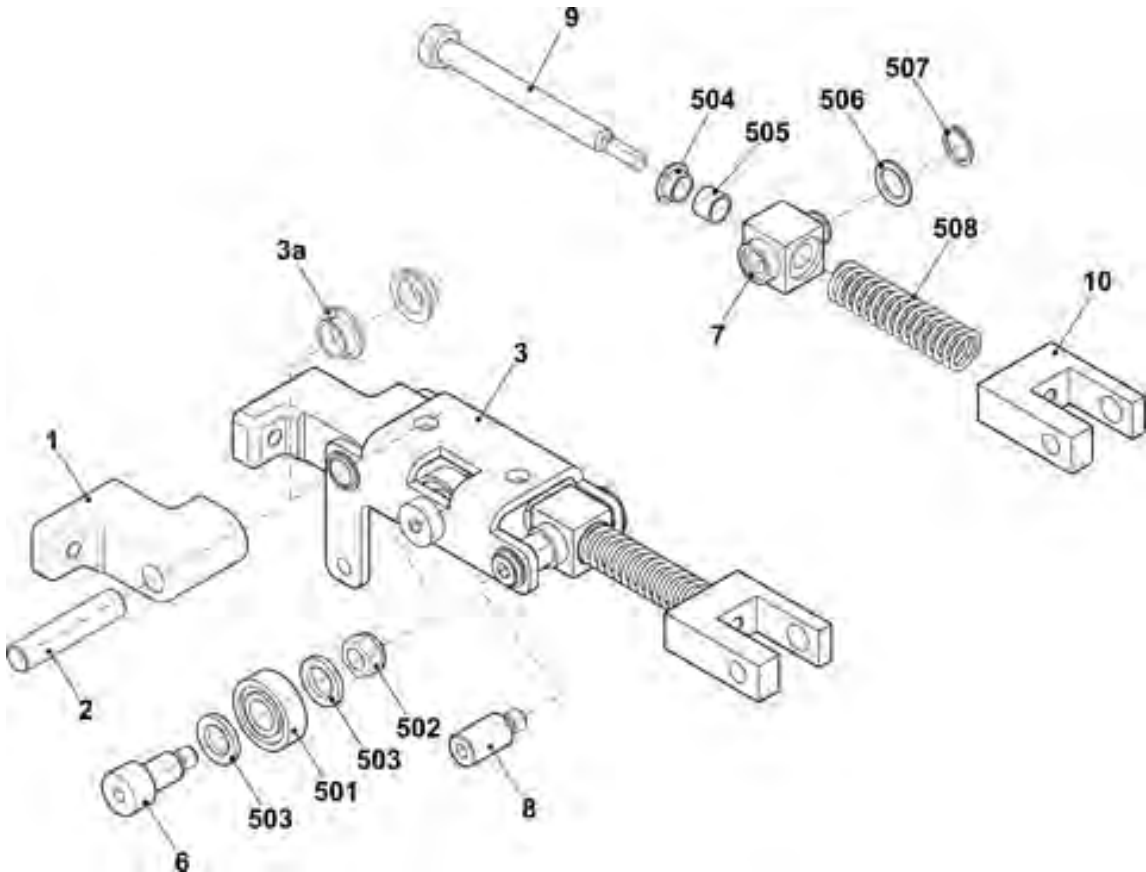
6.9.2 Left swivel holder

Pos	Designation	Id		Pos	Designation	Id
Σ	Swivel holder on the left complete			11	Lever	253 199
1	Support	239 163		500	Grooved ball bearing 619/8-2RS	023 728
2	Bearing pin	239 164		501	Deep groove ball bearing 6000-2Z	022 599
3	Bow on the left	239 184		502	Hexagon nut M8-8	022 843
3a	Clip bearing 11-MCM-12-04	023 639		503	Adjusting washer 10x16x2	023 600
4	Shoulder screw	239 133		504	Slide bearing GFM-081014-06	023 358
5	Threaded spacer	239 134		505	Slide bearing GSM-0810-10	023 896
6	Shoulder screw	239 132		506	Shim ring 12x18x1	023 315
7	Swivel-mounted bearing	239 100		507	Locking ring 12x1	020 951
8	Bearing bolt	239 117		508	Compression spring 2.5x12.5x67.5	023 743
9	Spring mandrel on the inside	232 388		509	Dowel pin 10x20	023 616
10	Lever	238 370		510	Slide bearing GSM-1012-10	239 178



6.9.3 Swivel holder in the middle

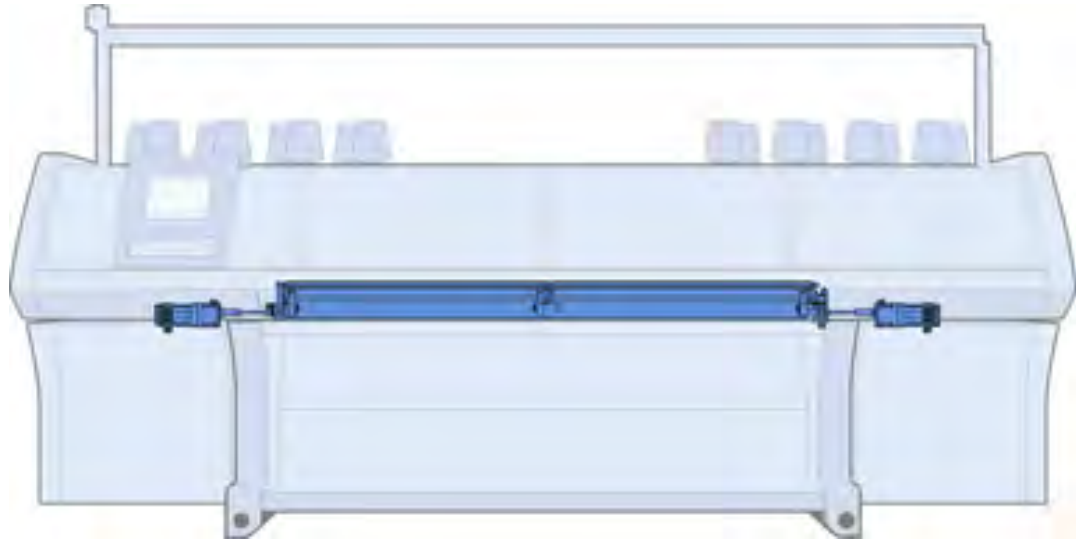
Pos	Designation	Id		Pos	Designation	Id
Σ	Swivel holder in the middle complete			10	Angle	238 778
1	Support	239 163		501	Deep groove ball bearing 6000-2Z	022 599
2	Bearing pin	239 164		502	Hexagon nut M8-8	022 843
3	Bow	238 974		503	Adjusting washer 10x16x2	023 600
	3a	Clip bearing 11-MCM-12-04		504	Slide bearing GFM-081014-06	023 358
6	Shoulder screw	239 132		505	Slide bearing GSM-0810-10	023 896
7	Swivel-mounted bearing	239 100		506	Shim ring 12x18x1	023 315
8	Bearing bolt	239 117		507	Locking ring 12x1	020 951
9	Spring mandrel on the inside	232 388		508	Compression spring 2,5x12,5x67,5	023 743



6.9 Continuation of take-down closing device

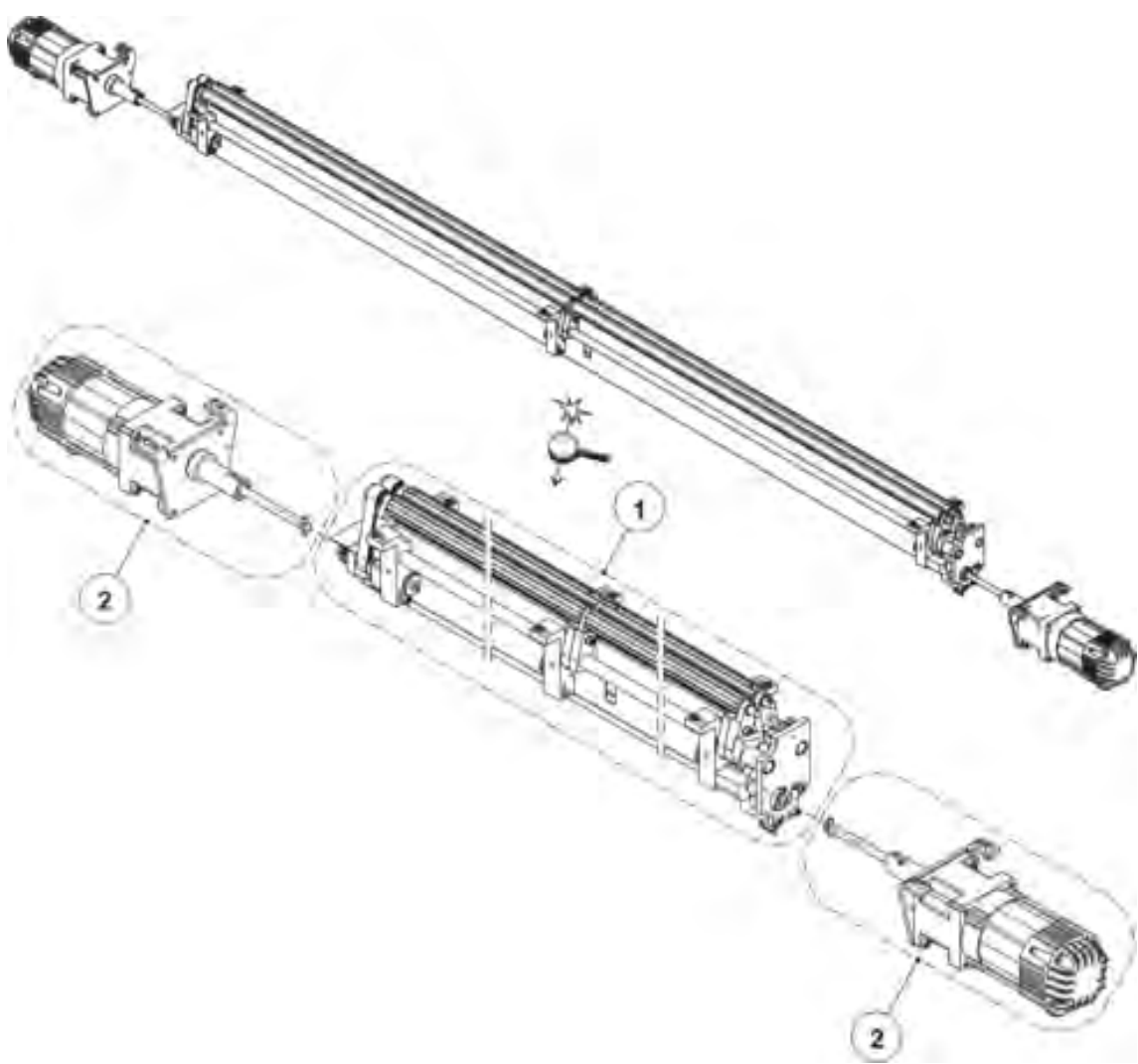
Notes:

7 Auxiliary take-down



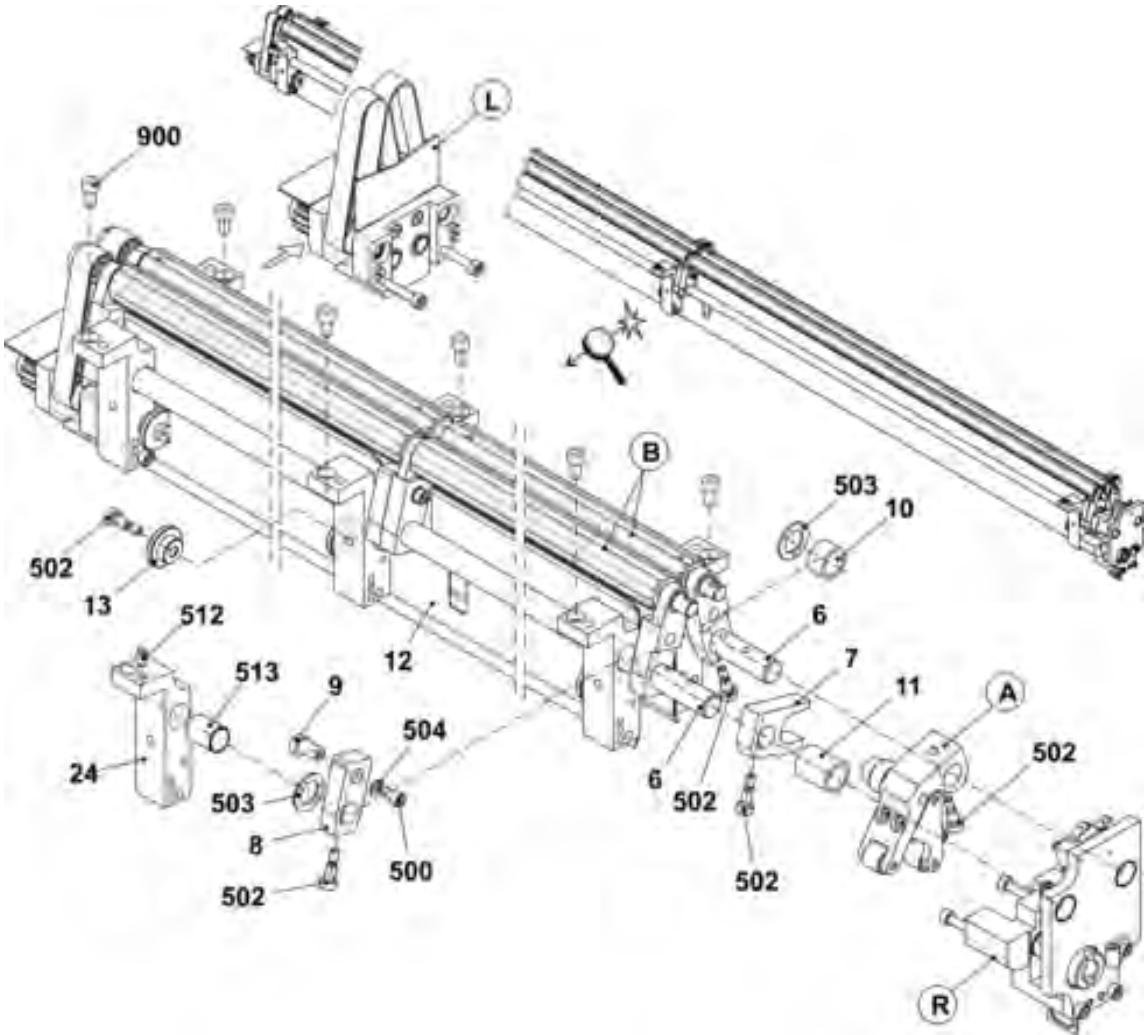
7.1 Auxiliary take-down

Pos	Designation	Id		Pos	Designation	Id
Σ	Auxiliary take-down					
1	Auxiliary take-down pre-assembled	254 945		2	Motor with 2 phases auxiliary take-down complete	235 602



7.1.1 Auxiliary take-down pre-assembled

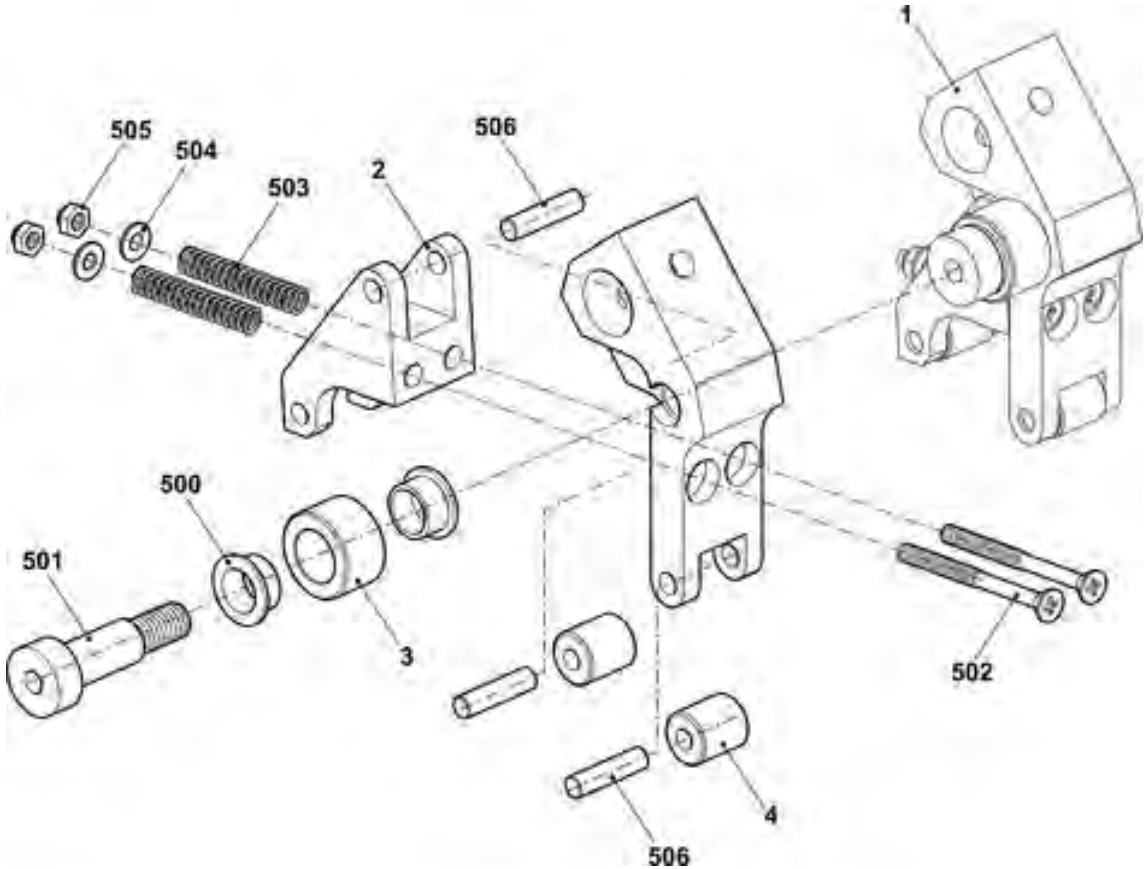
Pos	Designation	Id		Pos	Designation	Id
Σ	Auxiliary take-down pre-assembled	254 945				
6	Contact shaft	235 595		B	Take-down roller	235 601
7	Lever	235 164		L	Bearing on the left	236 894
8	Clamping lever	235 156		R	Bearing on the right	235 353
9	Eccentric	236 952		500	Cap screw M5x10	022 918
10	Distance pipe	235 189		502	Cap screw 6x10	235 448
11	Distance pipe	235 192		503	Stop disc GTM-1524-015	235 447
12	Cover plate	235 596		504	Disc 5	020 871
13	Roll	235 178		512	Dowel pin 6x10	023 268
24	Support	235 150		513	Slide bearing FSM-1517-20	237 060
A	Contact lever	235 356		900	Cap screw M6x12	020 134



7.1 Auxiliary take-down

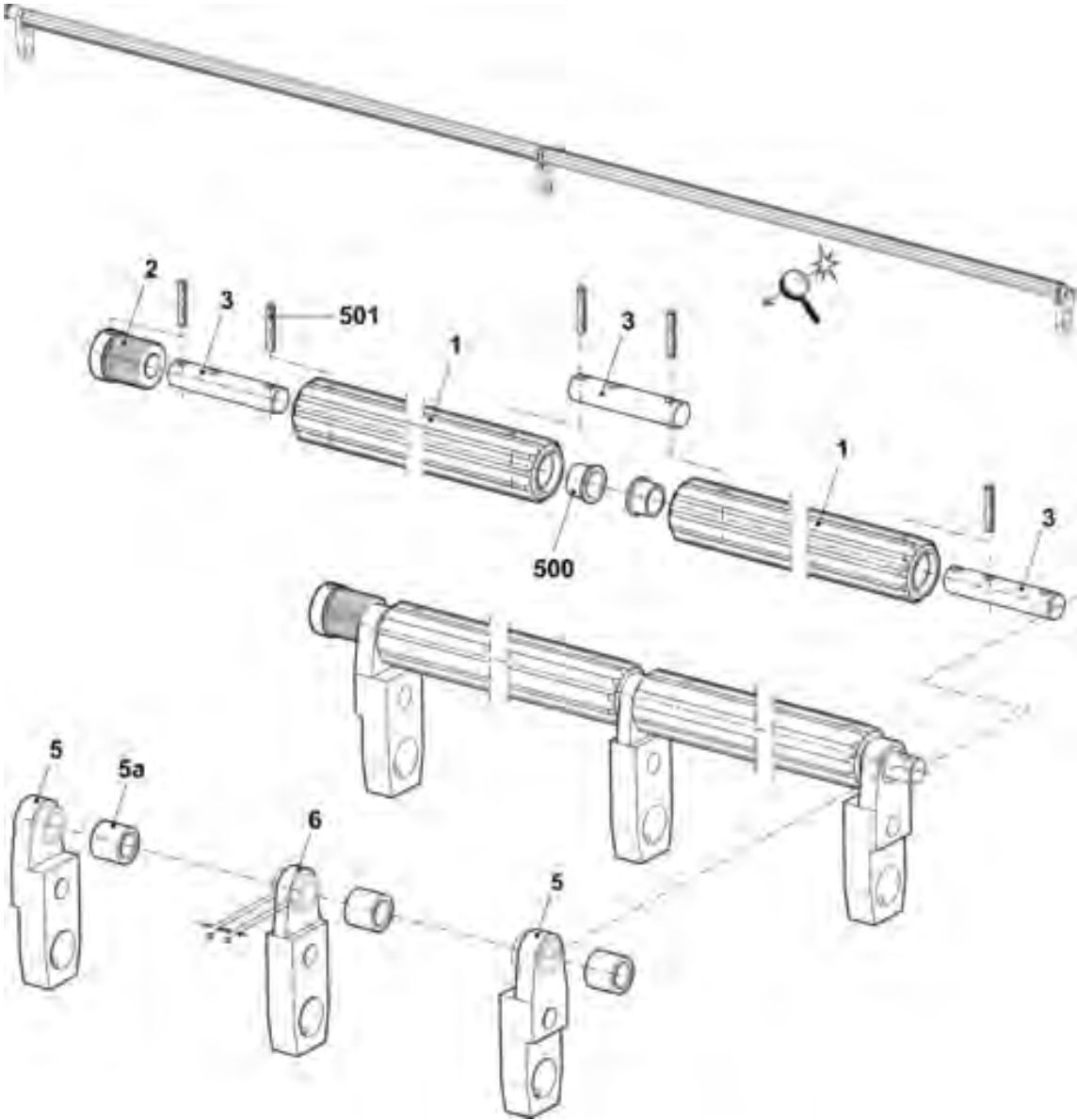
7.1.1.1 Contact lever

Pos	Designation	Id		Pos	Designation	Id
Σ	Contact lever complete	235 356		501	Cap screw 10x16-12.9	023 748
1	Lever	235 172		502	Countersunk screw 1-M4x45	023 291
2	Toggle	235 173		503	Compression spring 1,6x6,4x27,1	023 288
3	Roller	235 176		504	Washer 4-200HV	020 870
4	Roll	235 171		505	Hexagon nut M4-8	023 046
500	Slide bearing GFM-10x1216-06	023 280		506	Dowel pin 5x22-A-ST	023 716



7.1.1.2 Take-down roller

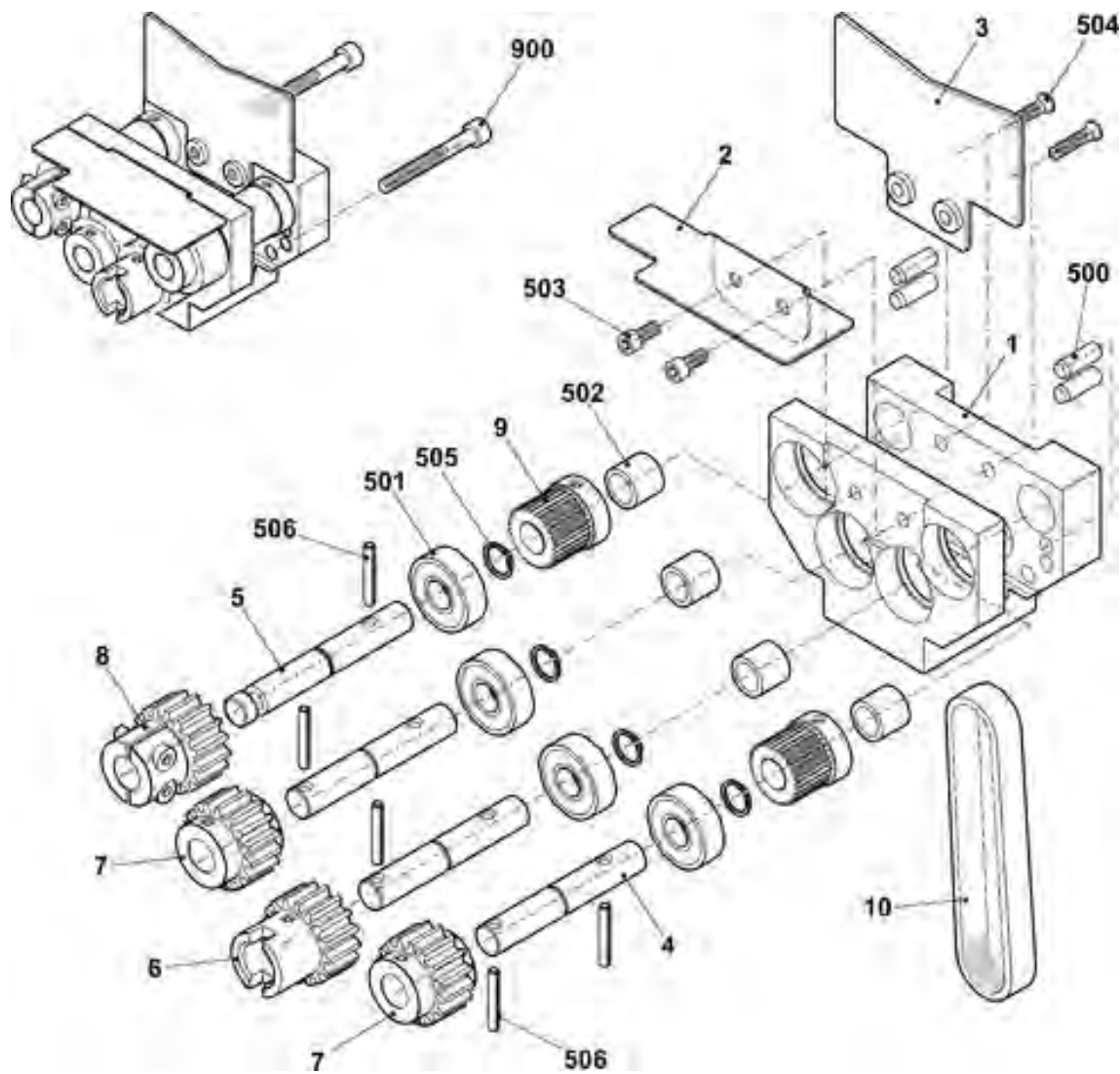
Pos	Designation		Id		Pos	Designation		Id
Σ	Take-down roller complete		235 601		6	Lever bearing in the middle complete		235 359
1	Take-down roller		236 957		500	Slide bearing GFM-101214-07		023 627
2	Timing belt pulley		237 043		501	Spring dowel sleeve 3x18		237 059
3	Bolts		236 973					
5	Lever bearing on the right/left complete		235 358					
	5a	Needle roller bearing 10x14x10	023 665					



7.1 Auxiliary take-down

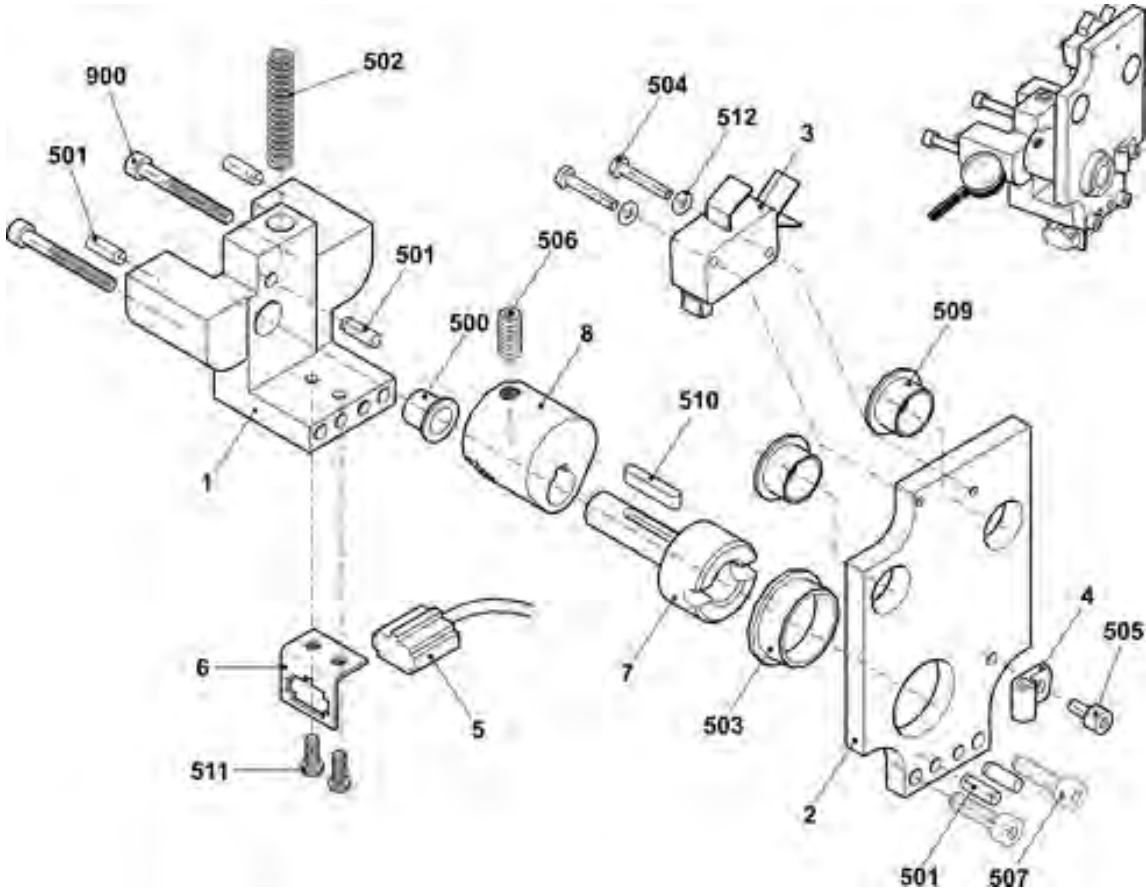
7.1.1.3 Left bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the left	236 894			
1	Drive bearing	237 422	9	Timing belt pulley	237 043
	500 Setting pin 5x12	021 988	10	Toothed belt HPS5M NG CLEAN	237 118
2	Cover plate	236 970	501	Grooved ball bearing 61900-2RS1	023 714
3	Cover plate	237 037	502	Needle roller bearing 10x14x10	023 664
4	Bolts	236 964	503	Cap screw M4x8	022 501
5	Bolts	236 963	504	Countersunk screw M4x12	023 062
6	Gear wheel	236 914	505	Locking ring 10x1	020 950
7	Gear wheel	236 916	506	Spring dowel sleeve 3x18	237 059
8	Gear wheel	236 917	900	Cap screw M5x35	022 879



7.1.1.4 Right bearing of the auxiliary take-down

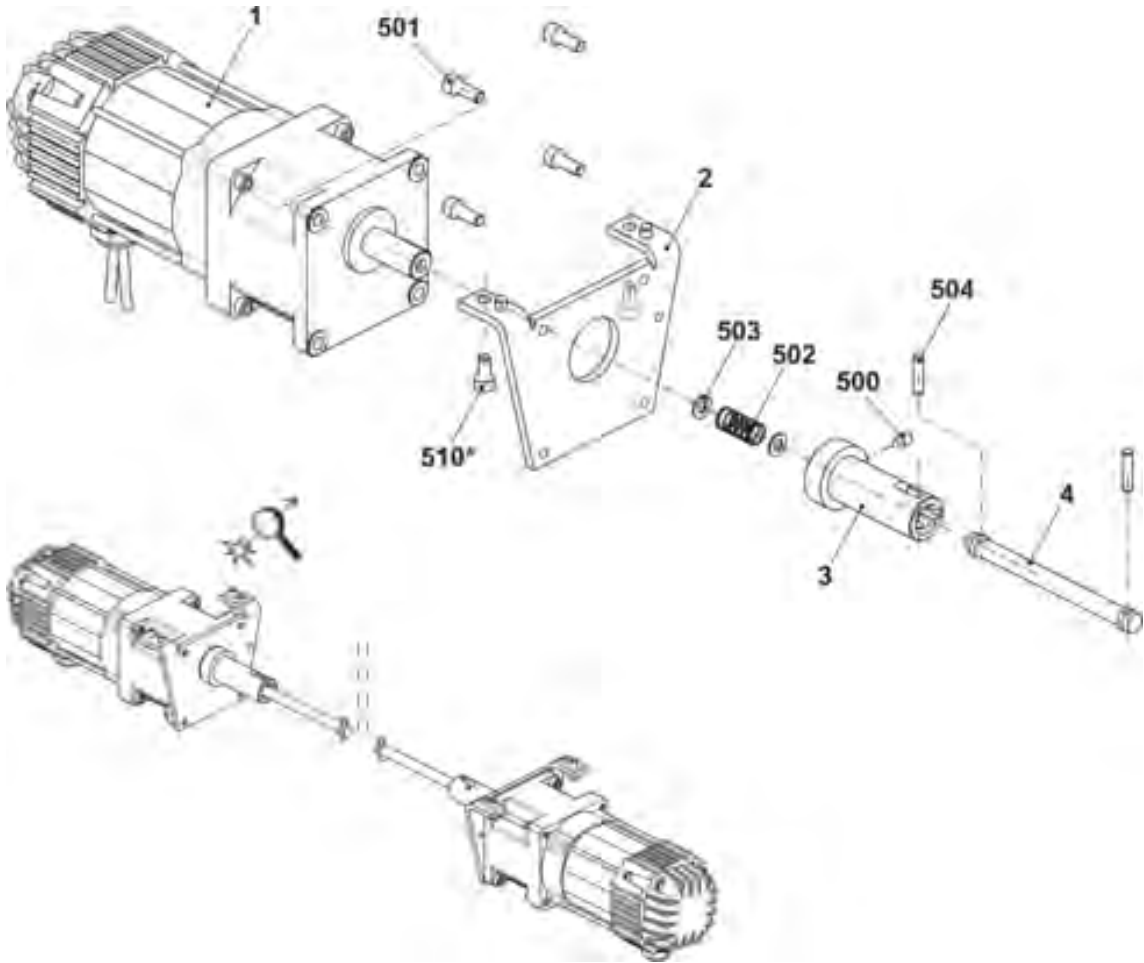
Pos	Designation	Id		Pos	Designation	Id
Σ	Bearing on the right	235 353		502	Compression spring 1,6x6,4x27,1	023 288
1	Bearing on the right	237 520		503	Slide bearing GFM-2427-07	023 712
	501 Setting pin 5x12	021 988		504	Hexagon screw M3x16	237 058
2	Plate	235 168		505	Cap screw M4x8	022 501
3	Microswitch	026 259		506	Setscrew M6x12	023 724
4	Cable clip N-3B 5 mm	210 729		507	Cap screw M5x16	022 726
5	Cable switch HIAB	235 027		509	Slide bearing GFM-1517-09	235 342
6	Sheet metal for plug	236 068		510	Feather key A 4x4x20	235 349
7	Shaft	235 159		511	Pan-head screw M4x8	023 579
8	Eccentric	235 165		512	U-washer 3	020 877
500	Slide bearing GFM-101216-09	023 356		900	Cap screw M5X35	022 879



7.1 Auxiliary take-down

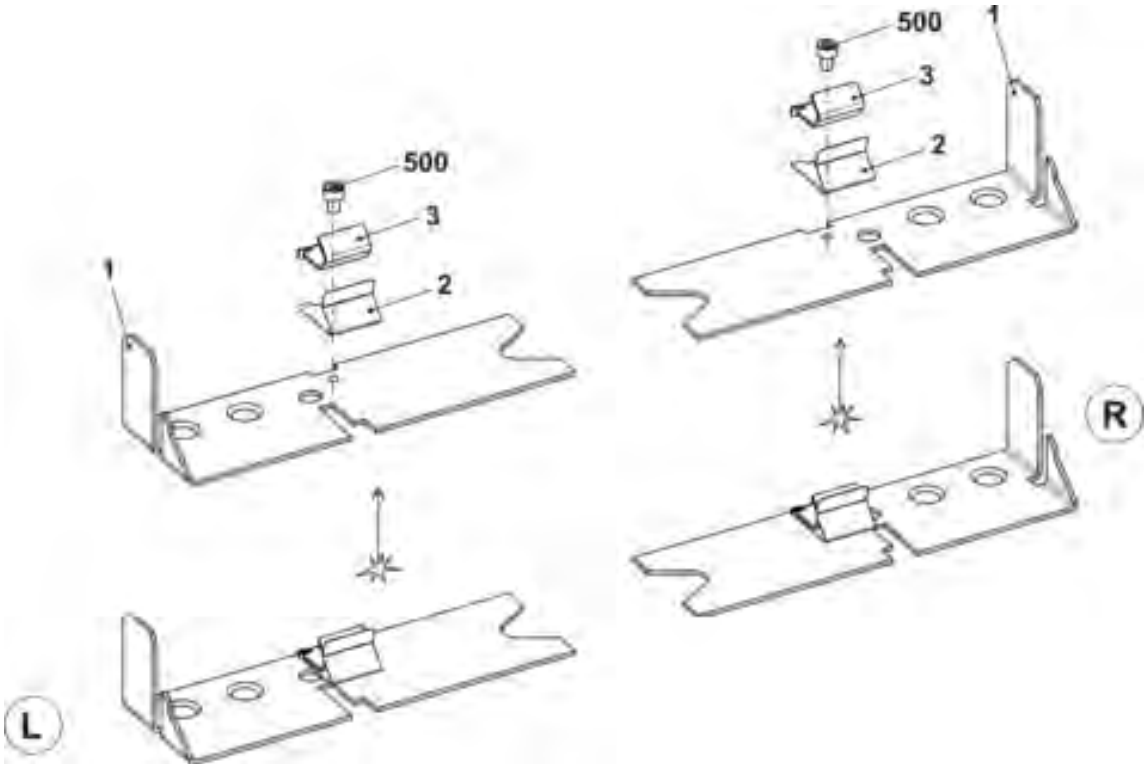
7.1.2 Motor auxiliary take-down complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Motor with 2 phases auxiliary take-down complete	235 602				
1	Motor	234 805		501	Cap screw M6x16	020 135
2	Motor bracket	235 276		502	Compression spring 0.63x10.97x40	023 500
3	Drive sleeve	235 285		503	Adjusting washer 6x12x1	023 444
4	Shaft	235 300		504	Dowel pin 5x22-A-ST	023 716
500	Set screw M6x10	023 543		510*	Cap screw M6x12	020 134



7.2 Yarn brake at clamping/cutting bed

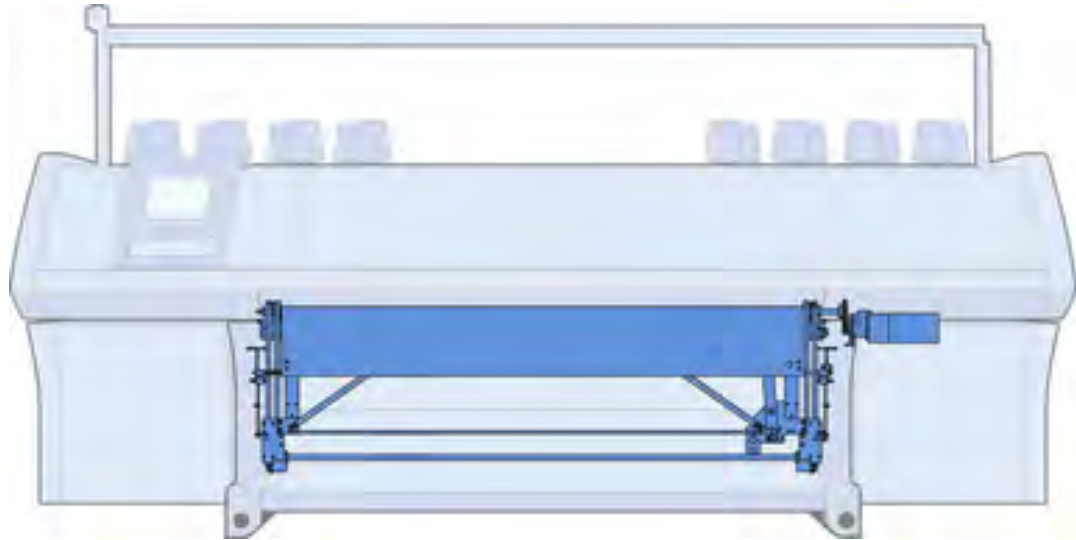
Pos	Designation	Id		Pos	Designation	Id
Σ L	Yarn brake on the left	257 794		Σ R	Yarn brake on the right	257 793
1	Cover on the left	257 792		3	Cover on the right	257 791
2	Leaf spring	256 712		1	Leaf spring	256 712
3	Test clamping plate	256 713		2	Test clamping plate	256 713
500	Cap screw M4X6	023 067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



7.2 Yarn brake at clamping/cutting bed

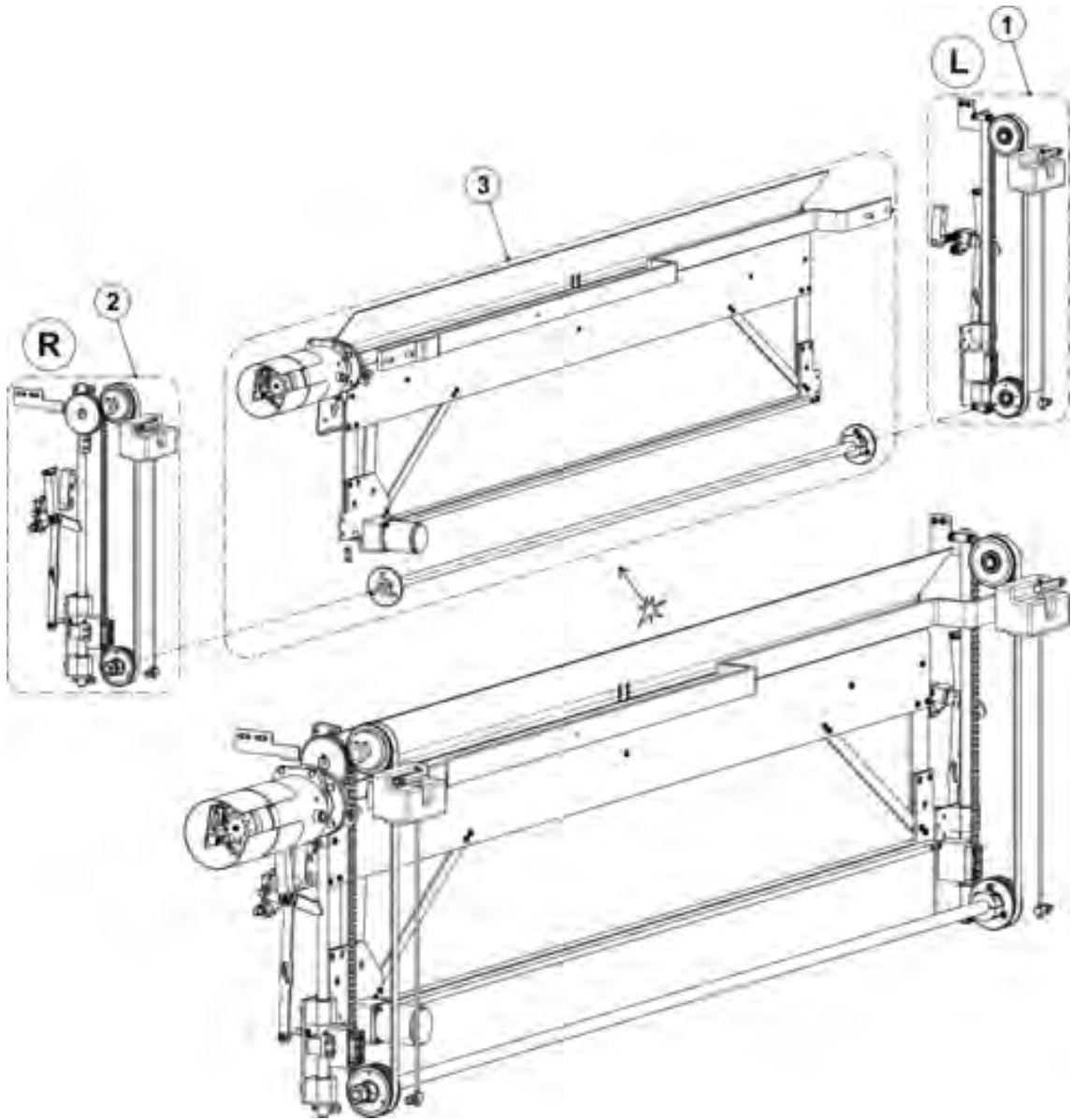
Notes:

8 Comb take-down



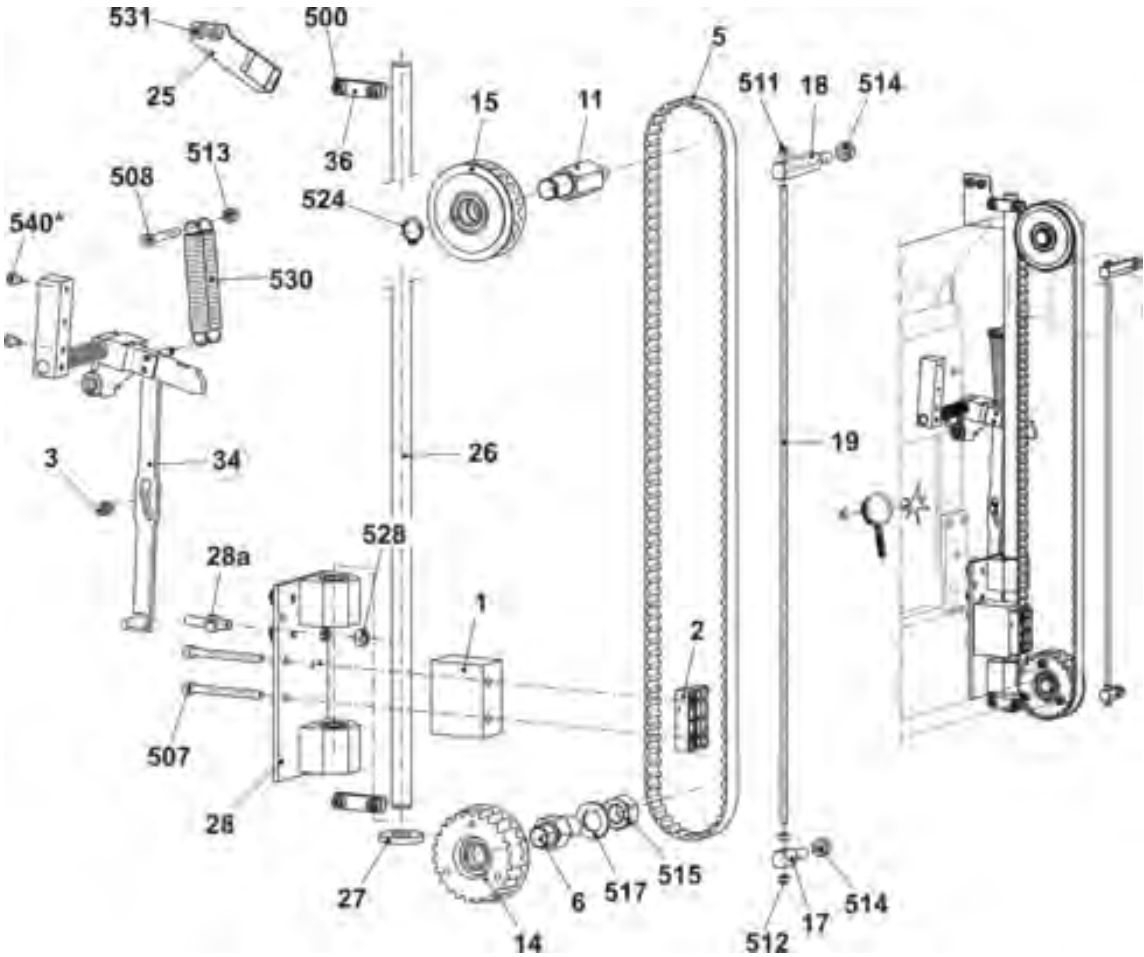
8.1 Comb take-down

Pos	Designation	Id		Pos	Designation	Id
Σ	Comb take-down			3	E8 E8m.7	255 320
1	Comb take-down on the left	256 838			E10 E10m.12 E5.2	255 321
2	Comb take-down on the right	256 839			E12+ E6.2 + E6.2(12m.10)	255 314
3	Comb take-down in the middle				E14 E7.2 E14/12	255 322
	E5 E5m.4 E2,5.2	255 318			E16	255 323
	E7 E7m.5 E7m.8 E3,5.2	255 319			E18	255 324



8.1.1 Comb take-down on the left

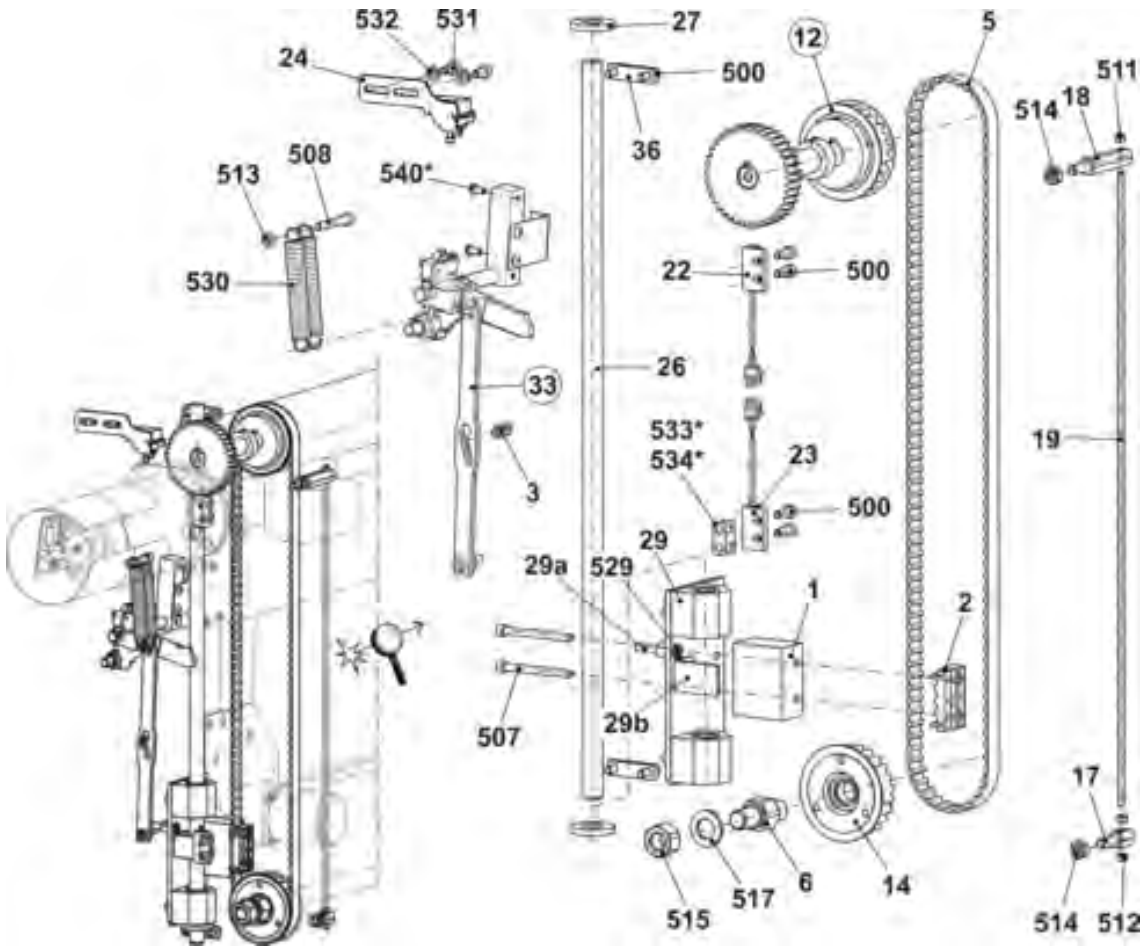
Pos	Designation		Id		Pos	Designation		Id
Σ	Comb take-down on the left		256 838					
1	Clamping part		209 379			528	Hexagon nut M8-6	020 838
2	Presser plate		241 967		34	Swivel lever on the left		252 859
3	Bolts		222 152		36	Clamping plate		227 159
5	Toothed belt 16T10/1300		240 065		500	Cap screw M6x16		020 135
6	Eccentric pin		222 320		507	Cap screw M6X65		240 162
11	Bolts		207 689		508	Cap screw M6X45		022 689
14	Toothed lock washer at the bottom complete		211 822		511	Hexagon nut M5-8		023 541
15	Toothed lock washer at the top complete		211 823		512	Hexagon nut M5-6		020 835
17	Stay bolt		222 315		513	Hexagon nut M6-6		020 836
18	Stay bolt		240 056		514	Hexagon nut M8-6		020 838
19	Threaded rod M5		240 057		515	Hexagon nut M16-6		020 845
25	Reflector complete		256 826		517	U-washer 16		020 876
26	Guide bar C35		206 560		524	Locking ring 17x1		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*	Countersunk screw M5x10		023 247



8.1 Comb take-down

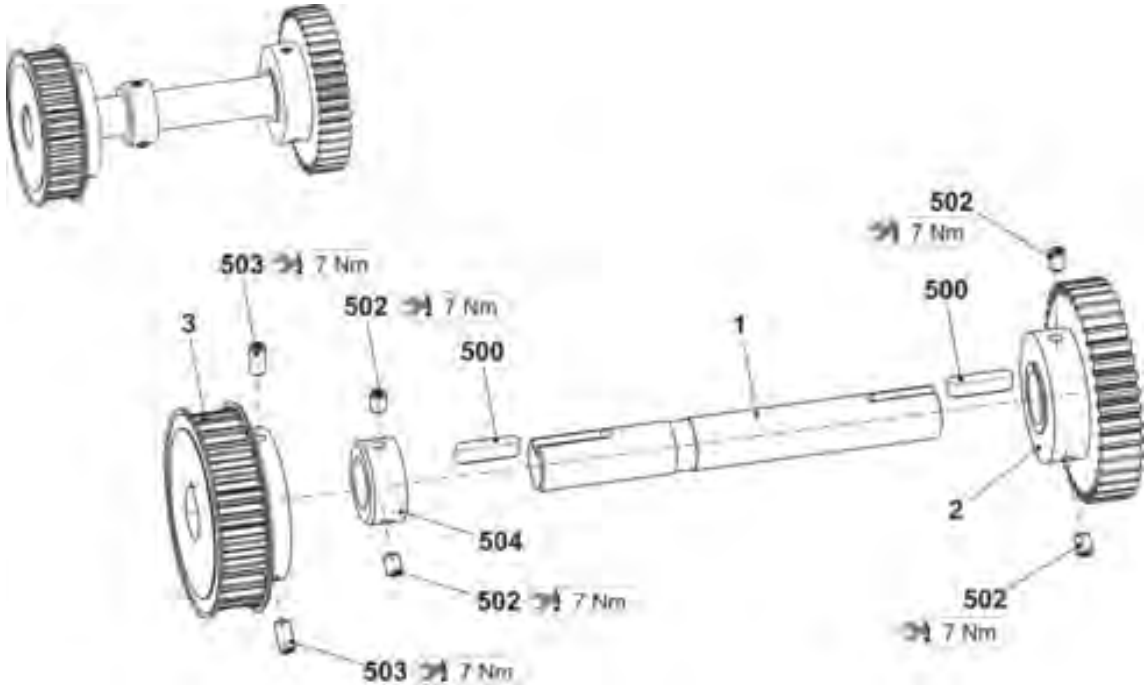
8.1.2 Comb take-down on the right

Pos	Designation		Id		Pos	Designation		Id
Σ	Comb take-down on the right		256 839					
1	Clamping part		209 379			529	Hexagon nut M8-6	020 838
2	Presser plate		241 967		33	Swivel lever on the right		252 858
3	Bolts		222 152		36	Clamping plate		227 159
5	Toothed belt 16T10/1300		240 065		500	Cap screw M6x16		020 135
6	Eccentric pin		222 320		507	Cap screw M6X65		240 162
12	Drive shaft comb complete		214 583		508	Cap screw M6X45		022 689
14	Toothed lock washer at the bottom complete		211 822		511	Hexagon nut M5-8		023 541
17	Stay bolt		222 315		512	Hexagon nut M5-6		020 835
18	Stay bolt		240 056		513	Hexagon nut M6-6		020 836
19	Threaded rod M5		240 057		514	Hexagon nut M8-6		020 838
22	Proximity switch inductive at the top		231 516		515	Hexagon nut M16-6		020 845
23	Proximity switch inductive at the bottom		231 520		517	U-washer 16		020 876
24	Angle support photoelectric sensor		257 409		530	Tension spring 15x1.50x70.94		251 614
26	Guide bar C35		206 560		531	Cap screw M6X12		020 134
27	Rubber buffer		206 561		532	U-washer 6		020 872
29	Comb guide on the right		255 424		533*	Shim 0,2x12x75		023 735
	29a	Driving bolt	255 427		534*	Shim 0,5x12x75		023 736
	29b	Angle	240 112		540*	Countersunk screw M5x10		023 247



8.1.2.1 Drive shaft of comb

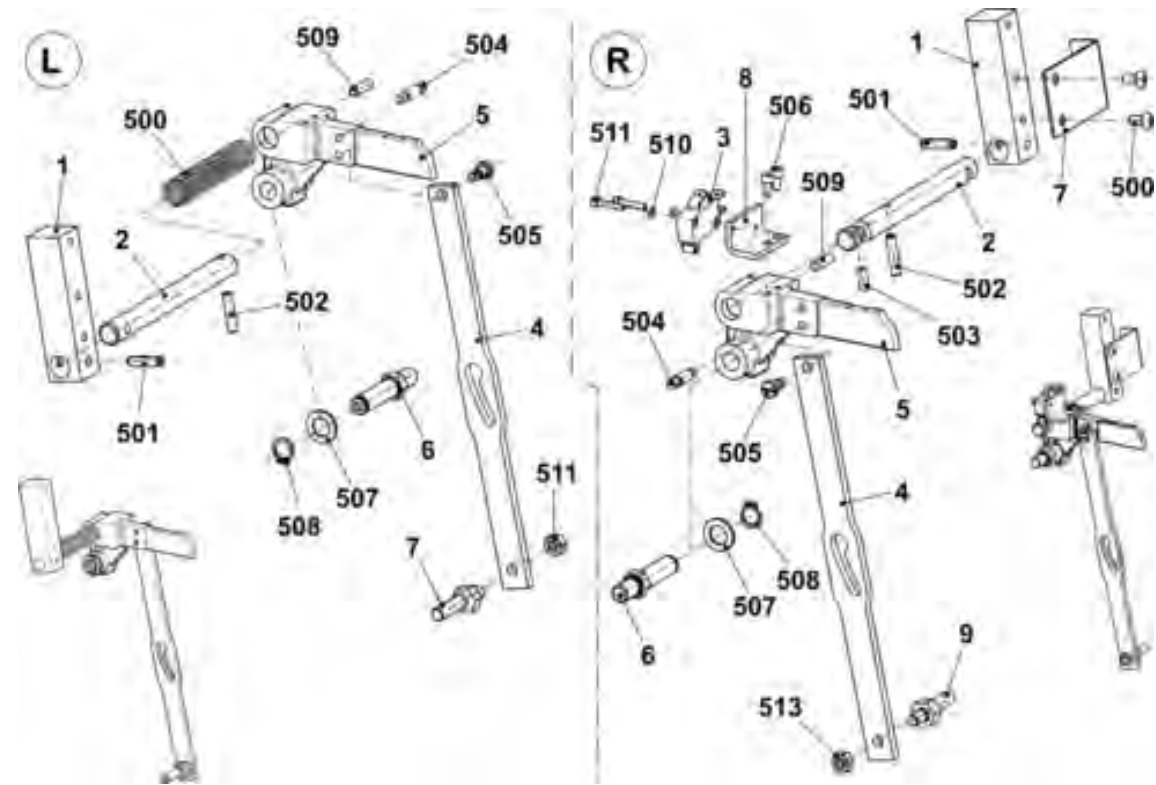
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive shaft comb complete	214 583				
1	Shaft	213 969		500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744		502	Setscrew M6x8	022 684
	Always order position 502 additionally			503	Setscrew M6x12	023 898
3	Toothed belt disc at the top	206 394		504	Set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



8.1 Comb take-down

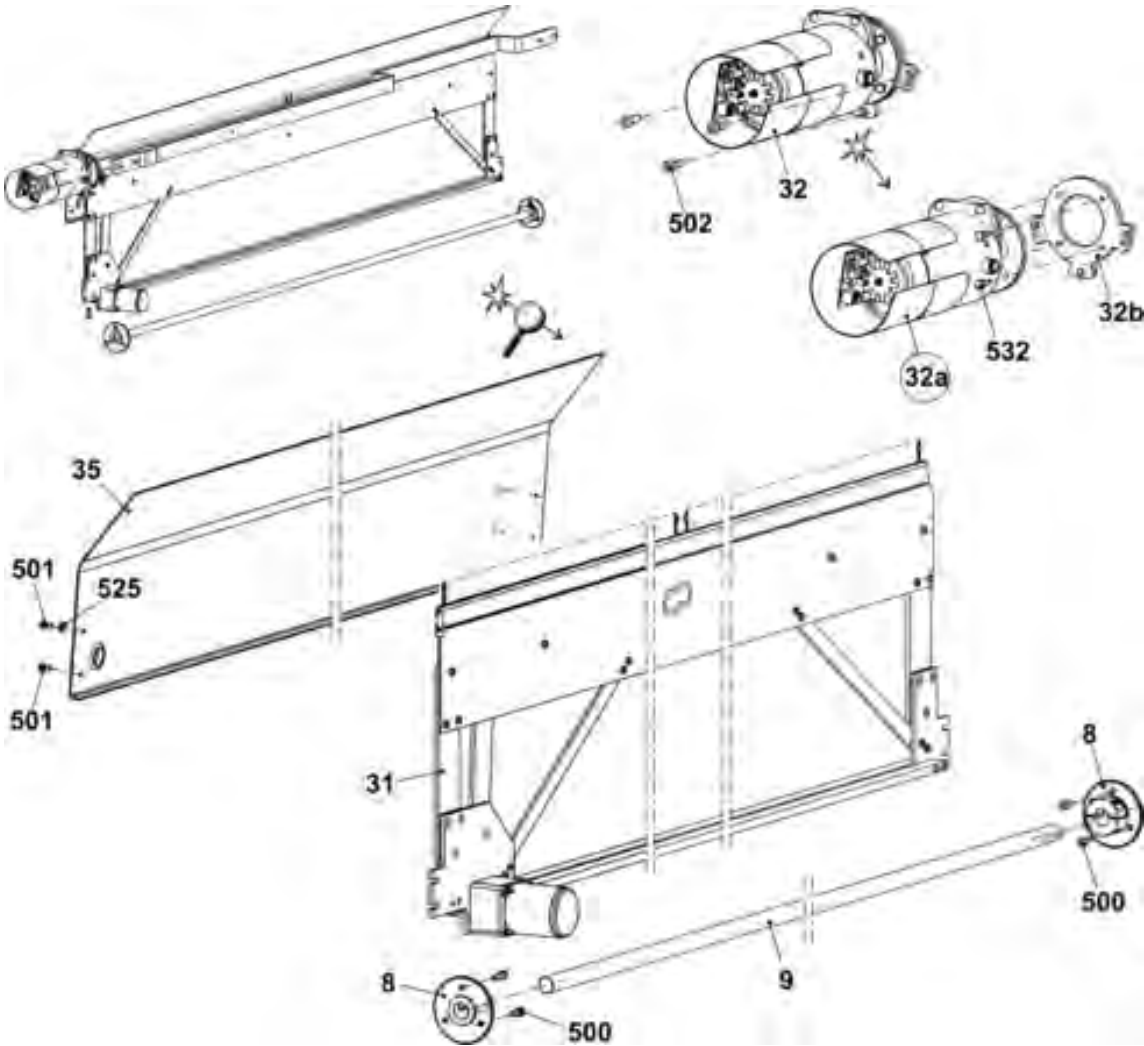
8.1.2.2 Swivel lever comb take-down

Pos	Designation	Id		Pos	Designation	Id
Σ L	Swivel lever on the left	252 859		Σ R	Swivel lever on the right	252 858
1	Support	252 780		1	Support	252 780
2	Shaft	223 994		2	Shaft	238 339
4	Plunger	255 650		3	Microswitch	026 259
5	Swivel lever	239 248		4	Plunger	255 650
6	Bolt	214 053		5	Swivel lever	239 248
7	Eccentric bolt	255 651		6	Bolt	214 053
500	Compression spring 1,4x13,6x93	023 572		7	Angle	224 009
501	Spring dowel sleeve ISO8752-5x20	020 794		8	Angle	238 304
502	Dowel pin 5x22	023 716		9	Eccentric bolt	255 651
504	Shoulder screw M5x29x35	251 618		500	Countersunk screw M5x10	023 247
505	Shoulder screw M5x5.8x6.2	023 365		501	Spring dowel sleeve 5x20	020 794
507	U-washer 10	020 884		502	Dowel pin 5x22	023 716
508	Locking ring	020 950		503	Spring dowel sleeve 5x12	020 793
509	Shoulder screw M5x12x18	020 539		504	Shoulder screw M5x29x35	251 618
511	Hexagon nut M8-6	020 838		505	Shoulder screw M5x5.8x6.2	023 365
				506	Cap screw M4x8	022 501
				507	U-washer 10	020 884
				508	Locking ring 10x1	020 950
				509	Shoulder screw M5x12x18	020 539
				510	Shoulder screw M3x16	022 583
				511	U-washer 3	020 877
				513	Hexagon nut M8-6	020 838



8.1.3 Comb take-down in the middle

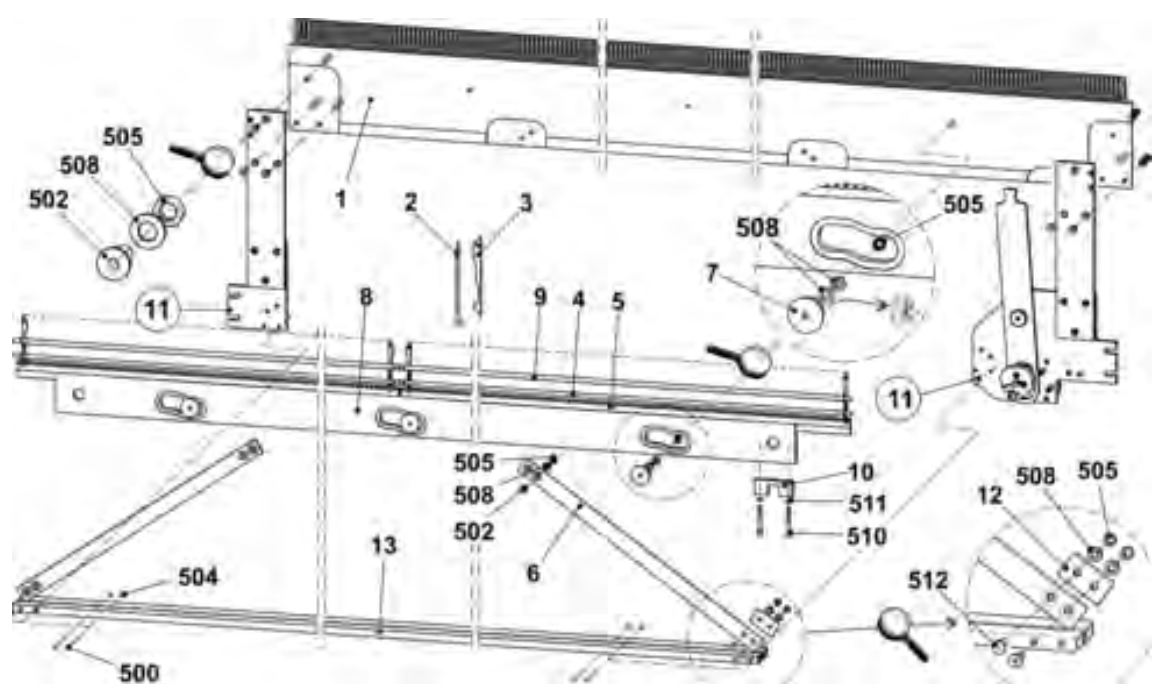
Pos	Designation	Id		Pos	Designation	Id
Σ	Comb take-down in the middle			31	Comb unit	
	E5 E5m.4 E2,5.2	255 318			E5 E5m.4 E2,5.2	243 399
	E7 + E7m.5 + E7m.8 + E3,5.2	255 319			E7 E7m.5 E7m.8 E3,5.2	243 400
	E8 + E8m.7	255 320			E8 E8m.7	243 401
	E10 E10m.12 E5.2	255 321			E10 E10m.12 E5.2	243 402
	E12 E6.2(12m.10) E6.2	255 314			E12 E6.2(12m.10) E6.2	243 403
	E14 E7.2 E14/12	255 322			E14 E7.2 E14/12	243 404
	E16	255 323			E16	243 405
	E18	255 324			E18	243 406
8	Flange	207 695		32	Motor take-down unit complete	253 803
9	Shaft long	218 532		32a	Motor take-down unit comb	214 279
500	Cap screw M6x16	020 135		32b	Flange	241 754
501	Countersunk screw M5x10	023 247		532	Hexagon screw M6x16	020 356
502	Cap screw M8x25	020 142		35	Guide plate	252 829
525	Serrated lock washer J6.4	022 489				



8.1 Comb take-down

8.1.3.1 Comb unit

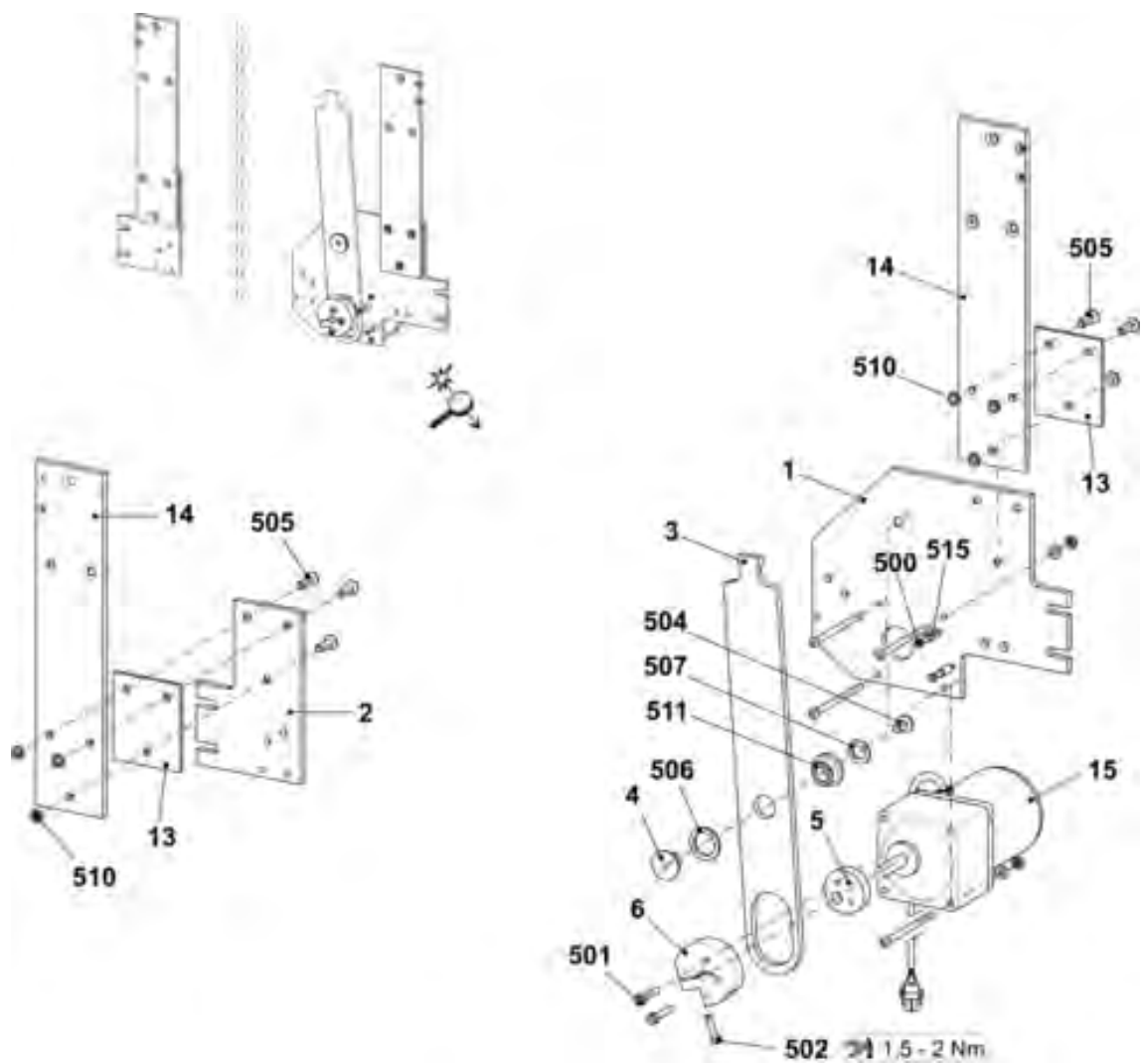
Pos	Designation	Id		Pos	Designation	Id
Σ	Comb unit					
	E5 E5m.4 E2,5.2	243 399		3	Body	
	E7 + E7m.5 + E7m.8 + E3,5.2	243 400			E12 12m.10 E6.2	230 094
	E8 + E8m.7	243 401			E14 E6.2 E7.2	230 094
	E10 E10m.12 E5.2	243 402			E16	230 095
	E12 12m.10	243 403			E18	230 095
	E14 E6.2 E7.2	243 404			4	Cover rail
	E16	243 405		5	Hook slider	
	E18	243 406			E5 E5m.4 E2,5.2	221 295
1	Hook bed		E7 E7m.5 E7m.8 E3,5.2		221 297	
	E5 E5m.4 E2,5.2	218 558	E8 E8m.7		221 298	
	E7 E7m.5 E7m.8 E3,5.2	218 559	E10 E10m.12 E5.2		221 299	
	E8 E8m.7	218 560	E12 12m.10 E6.2		221 298	
	E10 E10m.12 E5.2	218 561	E14 E6.2 E7.2		221 297	
	E12 12m.10 E6.2	218 562	E16		221 298	
	E14 E6.2 E7.2	218 563	E18	221 296		
	E16	227 413	6	Strut	218 740	
	E18	227 414	7	Collar bolt complete	211 036	
2	Closer			8	Cross slider	218 552
	E5 E5m.4 E2,5.2	230 105		9	Cover rail	222 861
	E7 E7m.5 E7m.8 E3,5.2	230 105		10	Plunger	205 678
	E8 E8m.7	230 105		11	Switch lever complete	240 060
	E10 E10m.12 E5.2	230 106		12	Intermediate plate	218 742
	E12 12m.10 E6.2	230 106		13	Stabilizator	218 555
	E14 E6.2 E7.2	230 106		500	Cap screw M4X50	023 102
	E16	230 107		502	Countersunk head screw M5x12	023 340
	E18	230 107		504	Hexagon nut M4-8	023 046
3	Body			505	Hexagon nut M5-04	020 854
	E5 E5m.4 E2,5.2	230 093		508	U-washer 5-200	020 871
	E7 E7m.5 E7m.8 E3,5.2	230 093		510	Cap screw M4x30	023 290
	E8 E8m.7	230 093		511	Circlip	022 774
	E10 E10m.12 E5.2	230 094		512	Countersunk screw M5x16	023 417



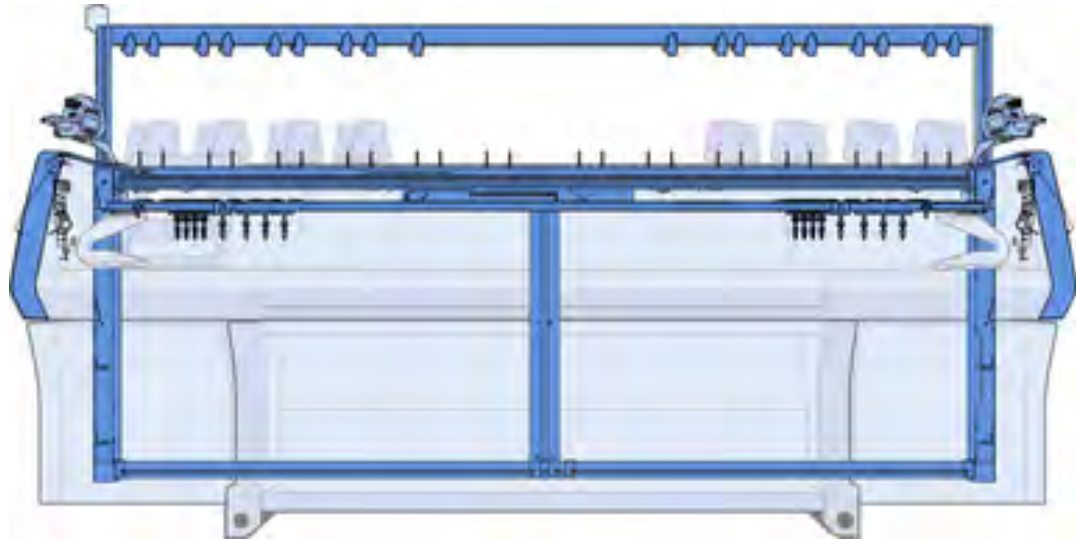
8.1 Comb take-down

8.1.3.1.1 Switch lever comb take-down

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



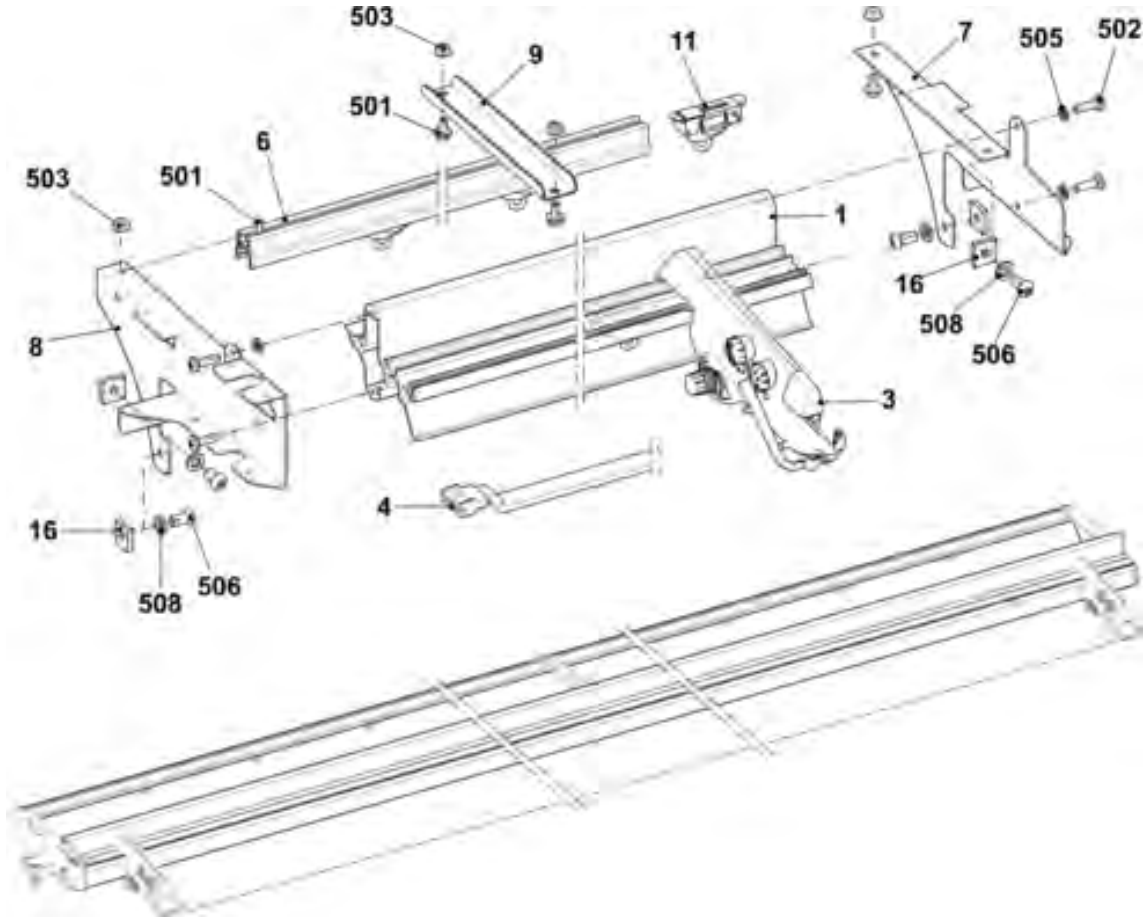
9 Yarn delivery device



9.1 Yarn guide system with 18, 22 and 24 FKE

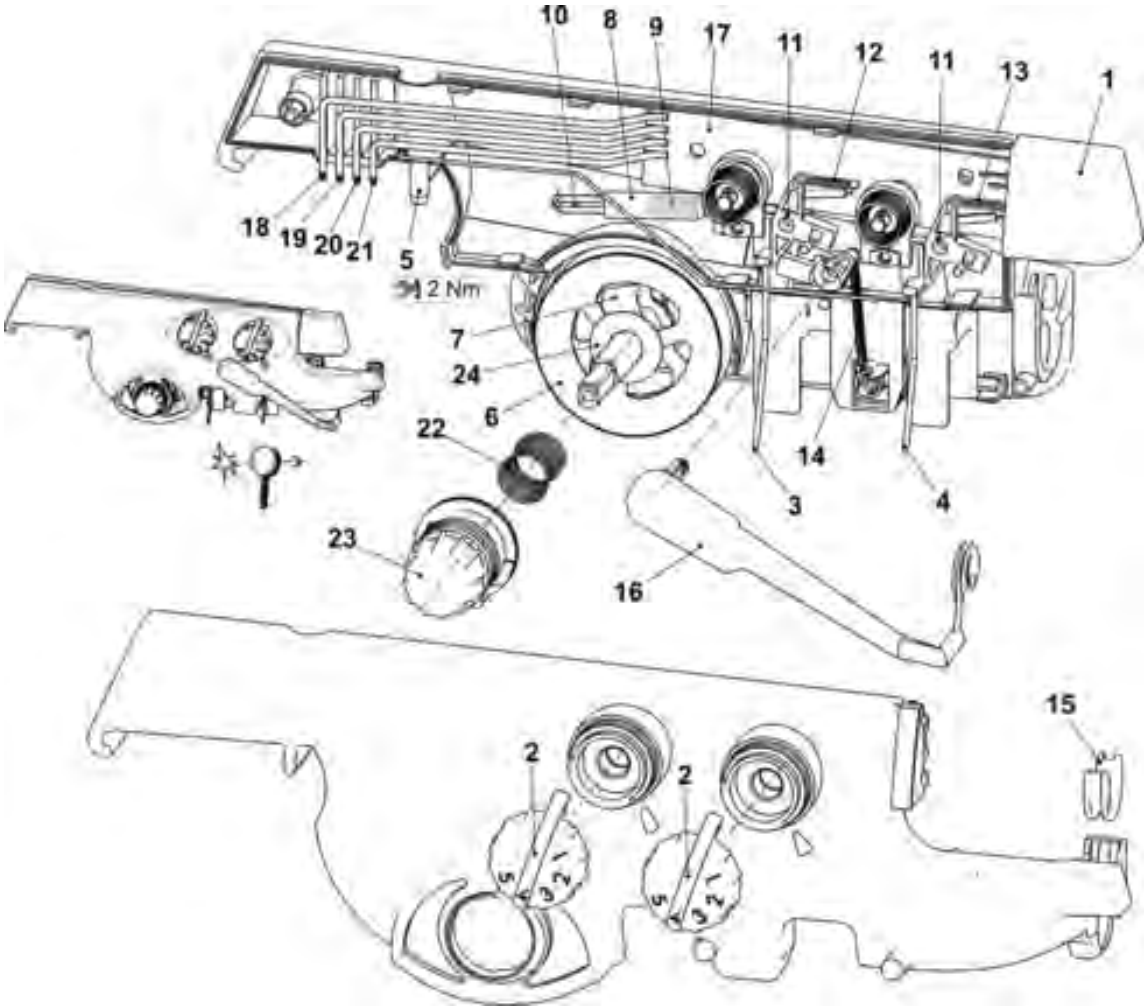
9.1 Yarn guide system with 18, 22 and 24 FKE

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn guide system 18 FKE 72"	241 296		9	Support	243 792
	Yarn guide system 22 FKE 72"	240 387		11	Yarn guide bracket complete	241 581
	Yarn guide system 24 FKE 72"	241 295		16	Sliding block	228 851
1	Support 72"	243 111		501	Self-locking screw M6x12	023 415
3	Yarn control device (FKE)	237 124		502	Screw M6x20	023 721
4	Connection cable FKE-3 72"	240 348		503	Ribbed lock washer M6-10	023 414
6	Yarn guide rail 72"	228 596		505	U-washer 6-200	022 431
7	Support on the right	243 601		506	Pan-head screw M8x16	023 113
8	Support on the left	243 600		508	Serrated lock washer	023 388



9.1.1 Yarn control unit

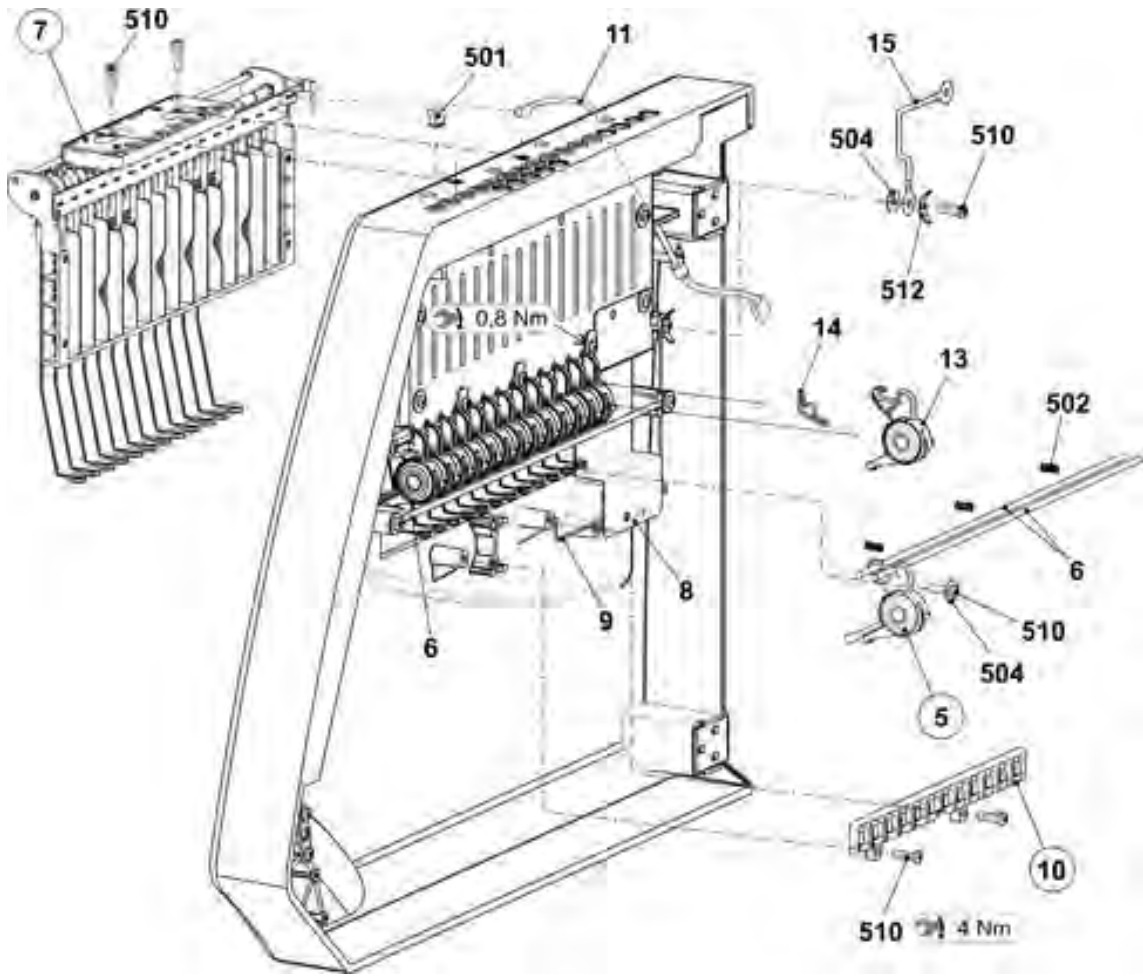
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn control unit	237 124				
1	Lamp cap	251 166		13	Tension spring	253 040
2	Turning knob	251 167		14	Tension spring	253 041
3	Knot detector for large knots	251 168		15	Ceramic eyelet open	240 733
4	Knot detector for mall knots	251 169		16	Stop bow	253 043
5	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	Pin	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



9.2 Left yarn guide

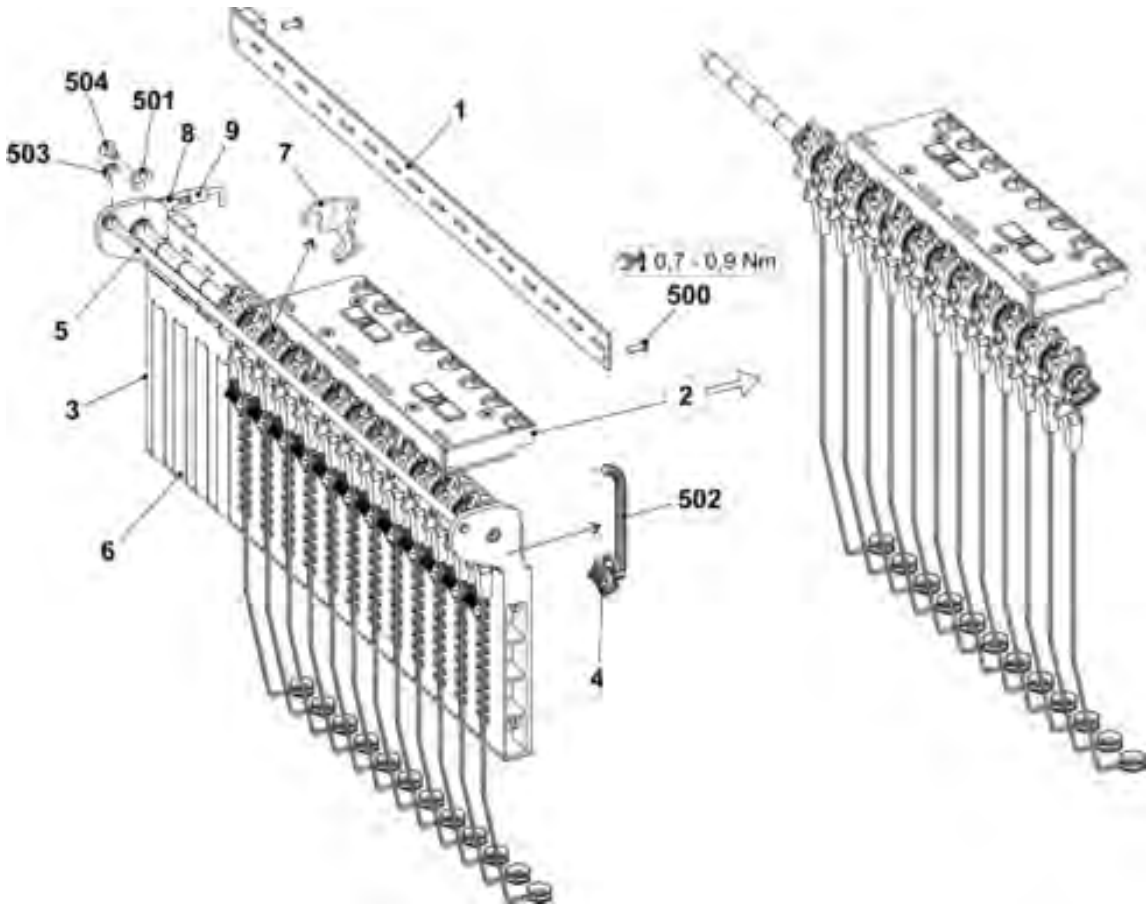
9.2 Left yarn guide

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety cover on the left complete		9	Wire bow on the left	241 370
	E3 E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 271	10	Yarn deflector	242 011
	E7 E8 E6.2 E7m.8 E8m.7	241 272	11	Connection cable yarn	240 808
	E10 E12 E14 E16 E18 E7.2 E12m.10	241 273	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Shaft	241 318	15	Ground cable	244 404
7	Yarn tensioner on the left complete		501	Ceramic eyelet	240 640
	E3 E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 363	502	Compression spring 0.90x5.40x13.60	241 360
	E7 E8 E6.2 E7m.8 E8m.7	241 364	504	U-washer 6	022 537
	E10 E12 E14 E16 E18 E7.2 E12m.10	241 365	510	Screw KB60 x 20	237 682
8	Cover	240 783	512	Flat connector 2x45° M6	243 117



9.2.1 Left yarn tensioner

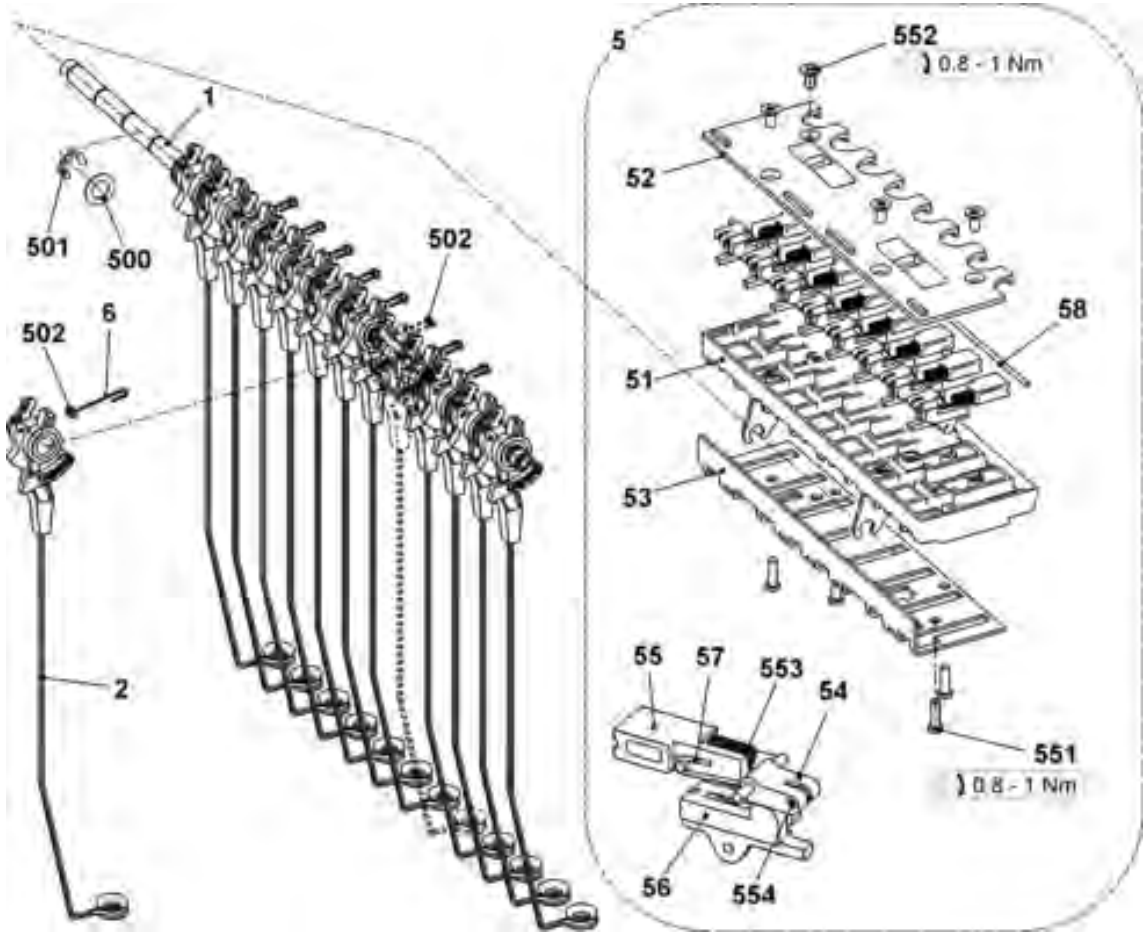
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the left complete			6	Border	242 268
	E3 E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 363		7	Spacer	242 048
	E7 E8 E6.2 E7m.8 E8m.7	241 364		8	Grounding sheet metal of tension axle	243 121
	E10 E12 E14 E16 E18 E7.2 E12m.10	241 365		9	Ground cable yarn tensioner	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			501	Circlip	021 022
	E3 E5 E7 E8 E2,5.2 E3,5.2 E5.2 E6.2 E5m.4 E7m.5 E7m.8 E8m.7	241 366		502	Tension spring 5.05x0.55x53 E3-5 (E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5)	023 502
	E10 E12 E14 E16 E18 E7.2 E12m.10	241 381			Tension spring 4.9x0.5x53 E7 + E8 + E6.2 + E7m.8 + E 8m.7	023 503
3	Housing	241 367			Tension spring 4.9x0.45x53 E10 E12 E14 E16 E18 E7.2 E12m.10	023 504
4	Slider	241 694		503	Circlip	021 020
5	Stop point	241 368		504	Countersunk screw M4x12	241 914



9.2 Left yarn guide

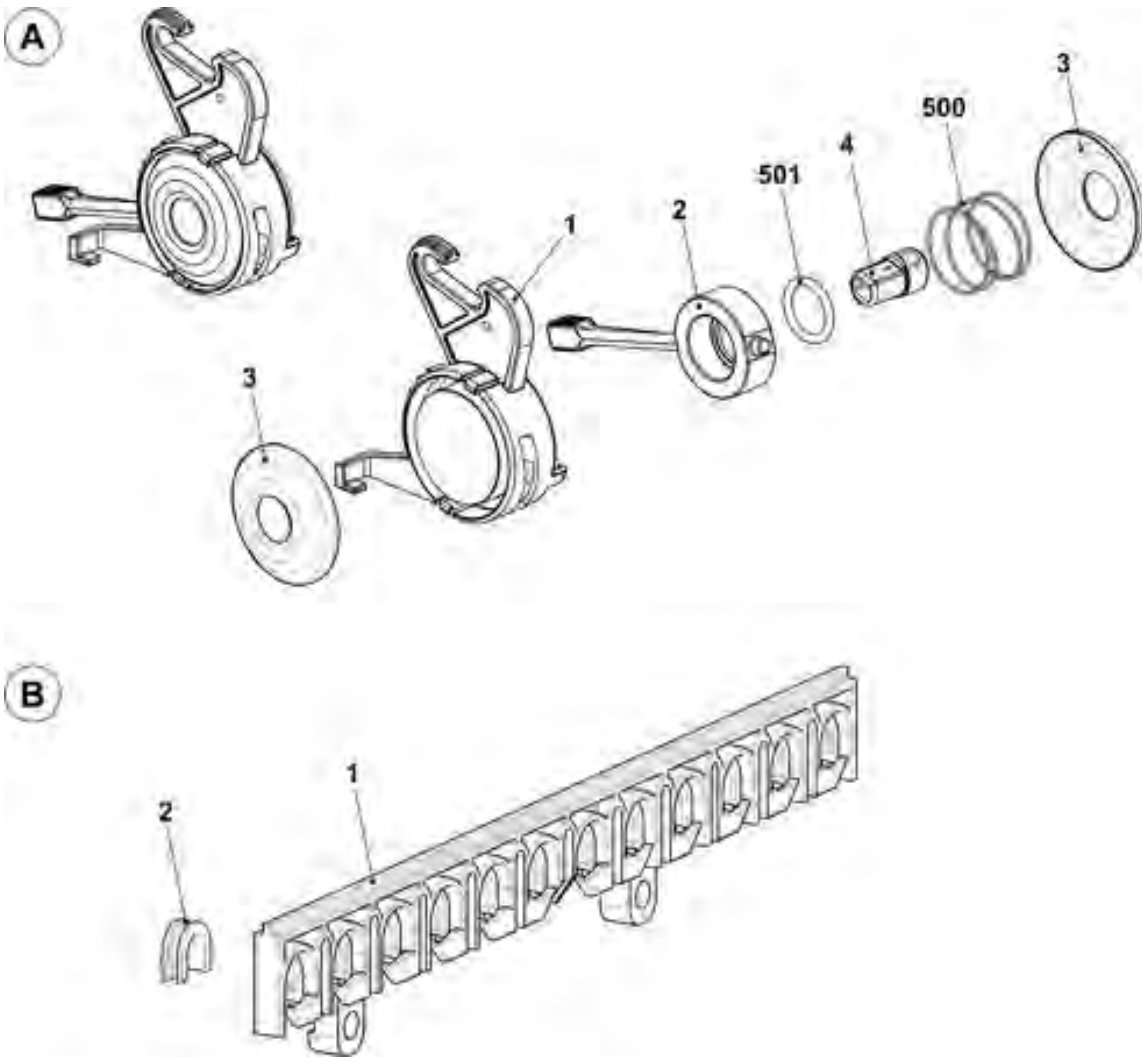
9.2.1.1 Left tension axle

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle on the left complete					
	E3 E5 E7 E8 E2,5.2 E3,5.2 E5.2 E6.2 E5m.4 E7m.5 E7m.8 E8m.7	241 366		5	Thread clamp AKF	238 695
	E10 E12 E14 E16 E18 E7.2 E12m.10	241 381		51	Housing AKF	238 689
1	Axle	243 107		52	Cover AKF	237 926
2	Tension arm pre-assembled			53	Sheet metal at the bottom (housing AKF)	240 719
	E3 E5 E7 E8 E2,5.2 E3,5.2 E5.2 E6.2 E5m.4 E7m.5 E7m.8 E8m.7	242 770		54	Lever AKF	238 692
	E10 E12 E14 E16 E18 E7.2 E12m.10	242 771		55	Thrust piece AKF	238 690
6	Wire bow	238 694		56	Slider AKF	238 691
500	Shim ring 8x14x0.5	023 501		57	Wire bow	238 694
501	Circlip	021 022		58	Wire	237 940
502	Grooved pin 2x6	243 172		551	Screw KB 35x12	237 681
				552	Screw KB 40x8	236 227
				553	Compression spring 0.30x4.50x18.50	241 437
				554	Grooved pin 2x6	243 172



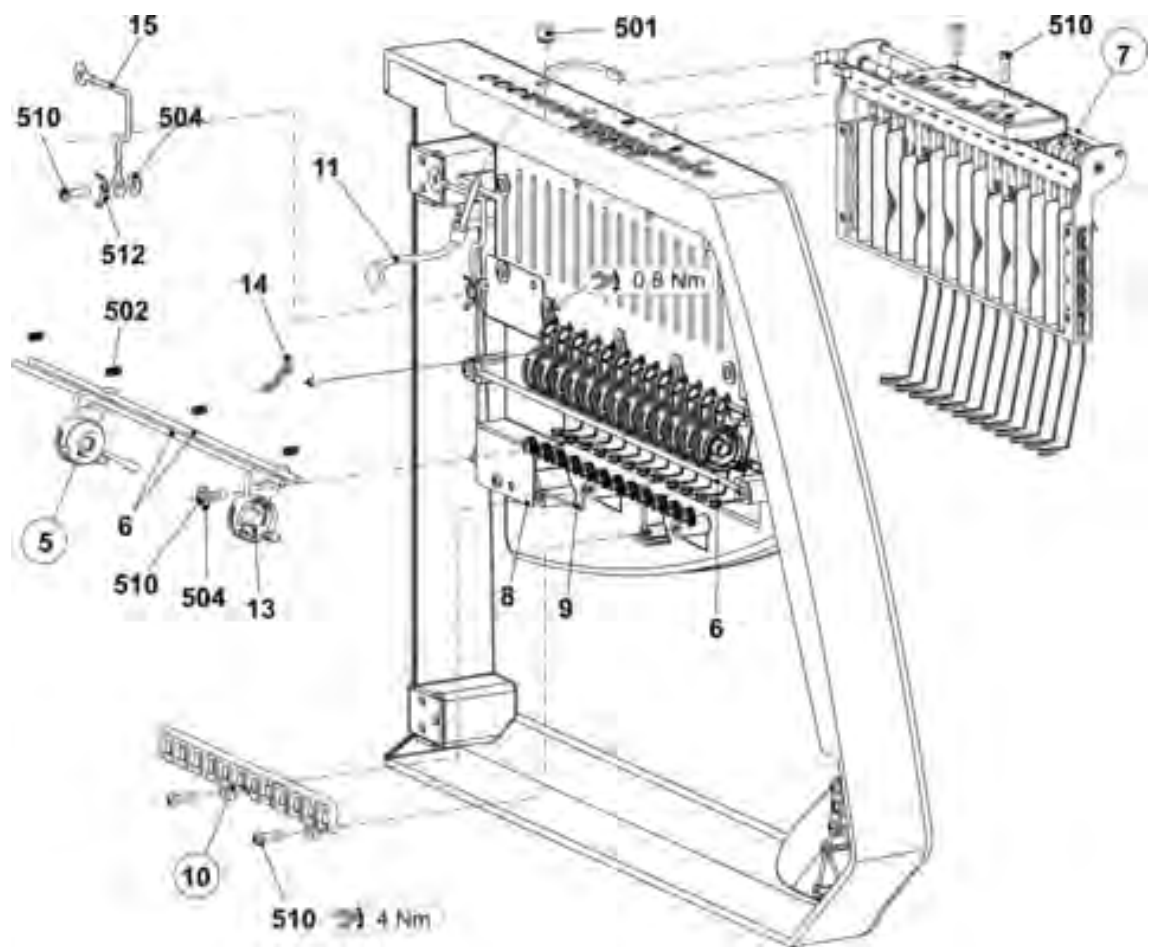
9.2.2 Yarn brake and yarn deflector

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



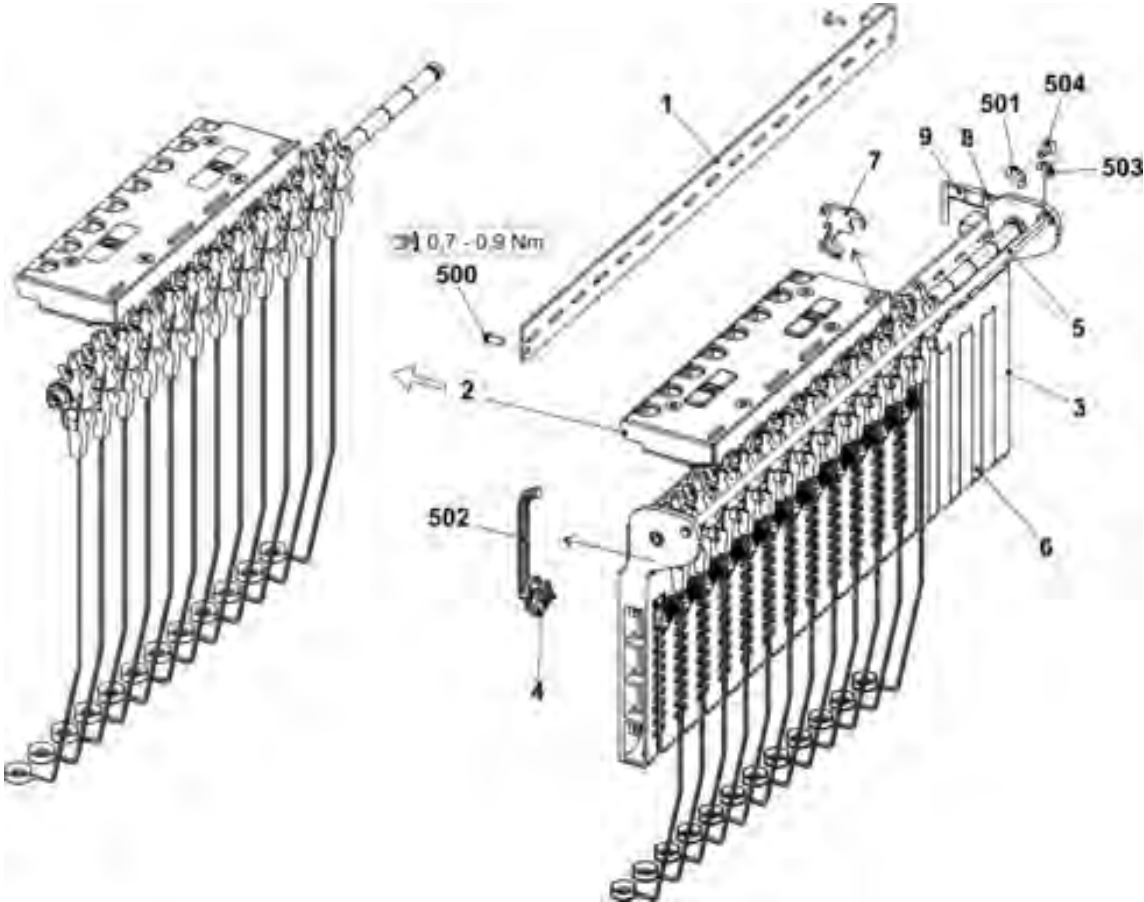
9.3 Right yarn guide

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety cover on the right complete		9	Wire bow on the right	241 369
	E3 E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 274	10	Yarn deflector	242 011
	E7 E8 E6.2 E7m.8 E8m.7	241 275	11	Connection cable yarn	240 808
	E10 E12 E14 E16 E18 E7.2 E12m.10	241 276	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Shaft	241 318	15	Ground cable	244 404
7	Yarn tensioner on the right complete		501	Ceramic eyelet	240 640
	E3 E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 382	502	Compression spring 0.90x5.40x13.60	241 360
	E7 E8 E6.2 E7m.8 E8m.7	241 383	504	U-washer 6	022 537
	E10 E12 E14 E16 E18 E7.2 E12m.10	241 384	510	Screw KB60 x 20	237 682
8	Cover	240 783	512	Flat connector 2x45° M6	243 117



9.3.1 Right yarn tensioner

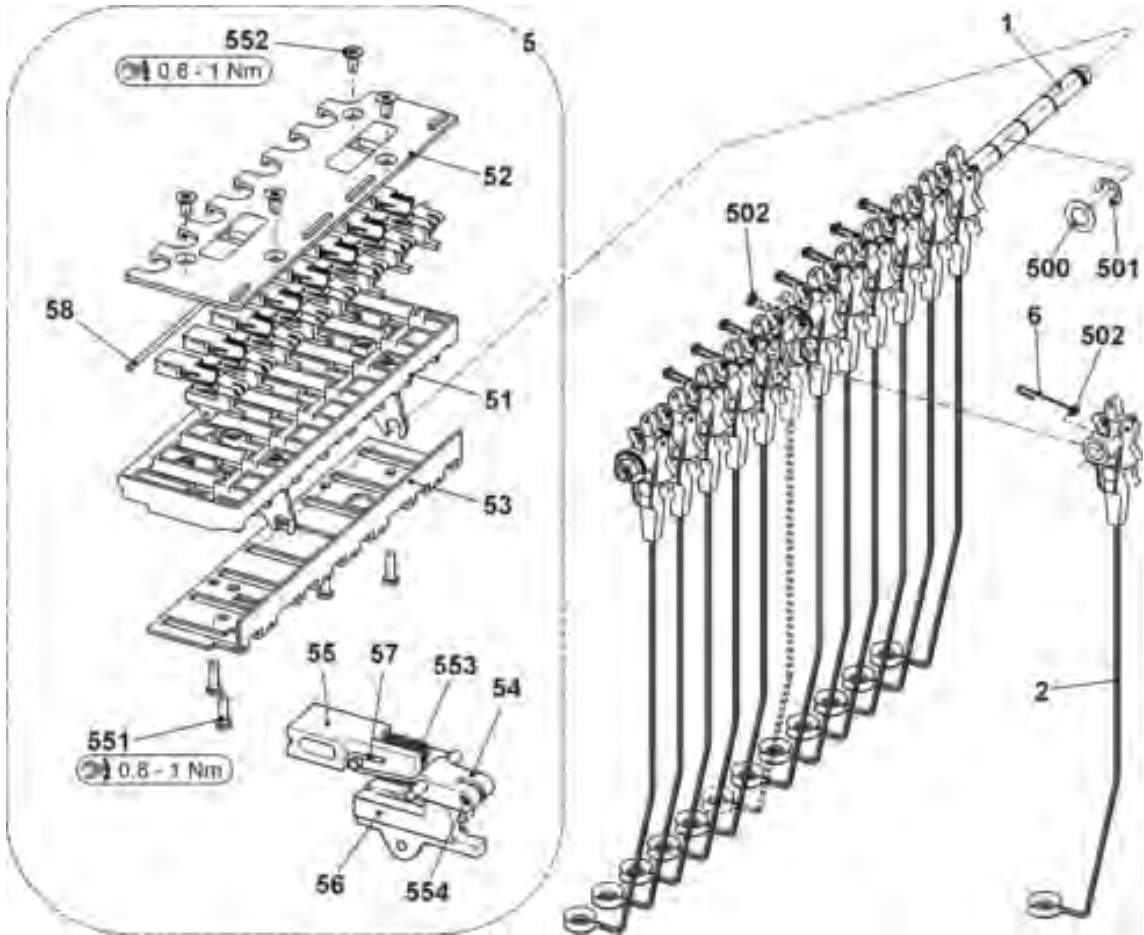
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner right			6	Border	242 268
	E3 E5 E2,5.2 E3,5.2 E5.2 E5m.4 E7m.5	241 382		7	Spacer	242 048
	E7 E8 E6.2 E7m.8 E8m.7	241 383		8	Grounding plate of tension axle	243 121
	E10 E12 E14 E16 E18 E7.2 E12m.10	241 384		9	Ground cable yarn tensioner	243 105
1	Card yarn tensioner 16-fold on the right	241 346		500	Screw KB 30x8	236 228
2	Tension axle on the right complete			501	Circlip	021 022
	E3 E5 E7 E8 E2,5.2 E3,5.2 E5.2 E6.2 - E7m.8 E8m.7 E5m.4 E7m.5	241 379		502	Tension spring 5.05x0.55x53 E5 E3,5.2 E5.2 E5m.4 E7m.5	023 502
	E10 E12 E14 E16 E18 E7.2 E12m.10	241 380			Tension spring 4.9x0.5x53 E7 E8 E6.2 E7m.8 E8m.7	023 503
3	Housing	241 367			Tension spring 4.9x0.45x53 E10 E12 E14 E16 E18 E7.2 E12m.10	023 504
4	Slider	241 694		503	Circlip	021 020
5	Stop point	241 368		504	Countersunk screw M4x12	241 914



9.3 Right yarn guide

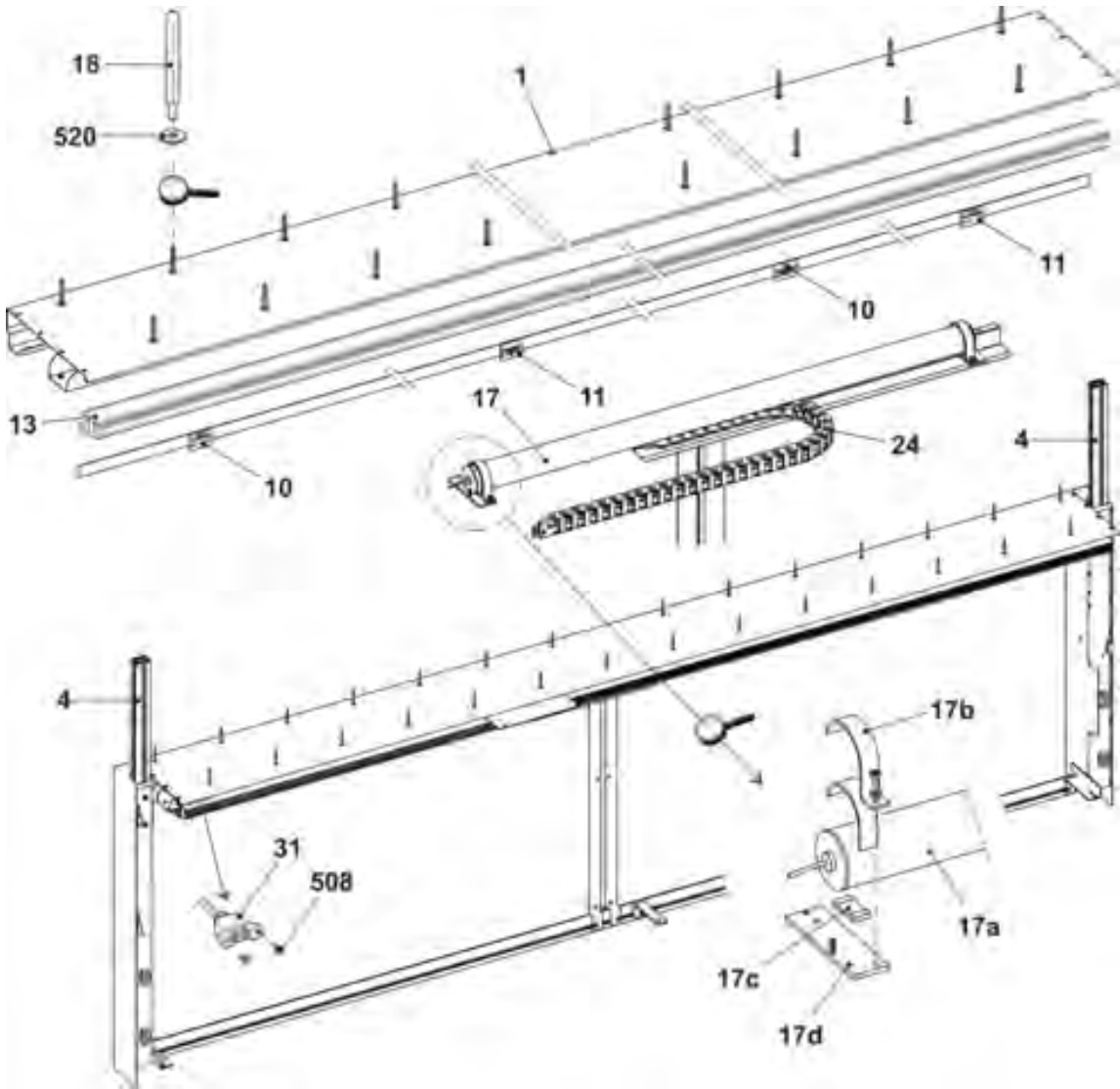
9.3.1.1 Right tension axle

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle on the right complete					
	E3 E5 E7 E8 E2,5.2 E3,5.2 E5.2 E6.2 - E7m.8 E8m.7 E5m.4 E7m.5	241 379		5	Thread clamp AKF	238 695
	E10 E12 E14 E16 E18 E7.2 E12m.10	241 380		51	Housing AKF	238 689
1	Axle	243 107		52	Cover AKF	237 926
2	Tension arm pre-assembled			53	Sheet metal at the bottom (housing AKF)	240 719
	E3 E5 E7 E8 E2,5.2 E3,5.2 E5.2 E6.2 - E7m.8 E8m.7 E5m.4 E7m.5	242 770		54	Lever AKF	238 692
	E10 E12 E14 E16 E18 E7.2 E12m.10	242 771		55	Pressure peace AKF	238 690
6	Wire bow	238 694		56	Slider AKF	238 691
500	Shim ring 8x14x0.5	023 501		57	Wire bow	238 694
501	Circlip	021 022		58	Wire	237 940
502	Grooved pin 2x6	243 172		551	Screw KB 35x12	237 681
				552	Screw KB 40x8	236 227
				553	Compression spring 0.30x4.50x18.50	241 437
				554	Grooved pin 2x6	243 172



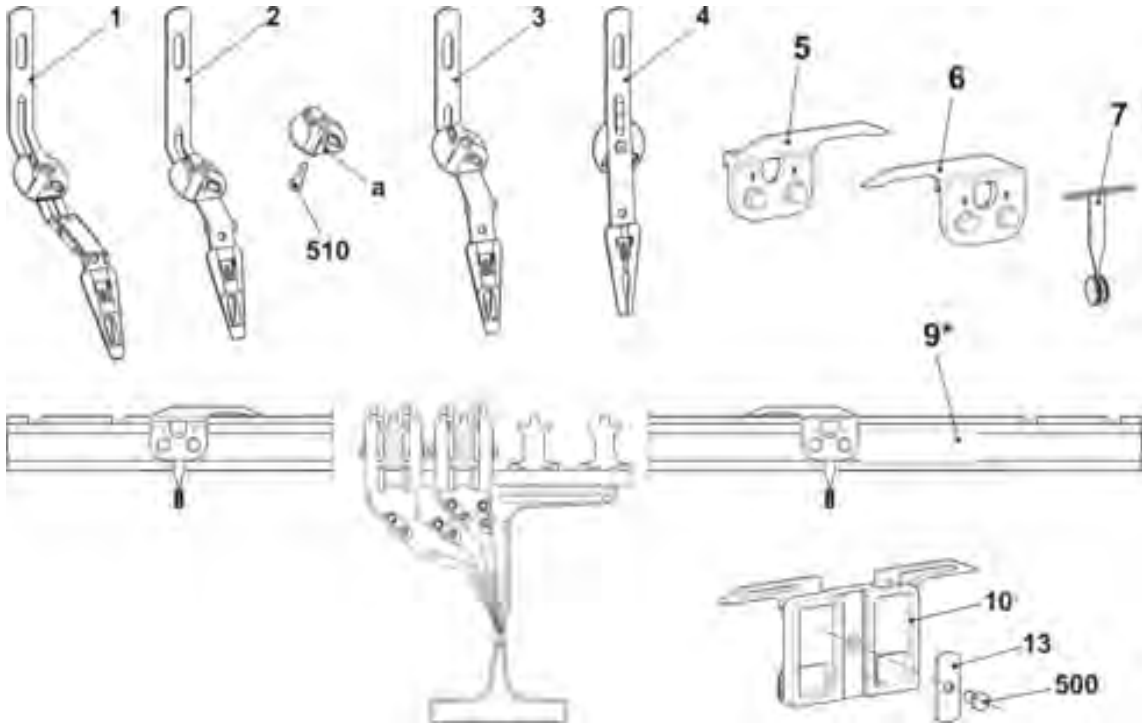
9.4 Bobbin board

Pos	Designation		Id	Pos	Designation		Id
Σ	Table complete 72"		240 391	17	17b	Clamping bow	209 504
1	Table		251 245		17c	Cellular caoutchouc 40x20	208 018
4	Support element		228 594		17d	Lamp support	221 951
10	Magnet switch protective hood		219 983	18	Positioning pin		204 819
11	Magnet switch protective hood		220 159	24	Energy chain display 38 links		253 888
13	Guide rail at the top complete		257 518	31	Cable USB extension		243 070
17	Lamp at the top complete		222 509	508	Countersunk screw M3x8		023 251
	17a	Lamp 230 V 50/60 Hz	205 546	520	U-washer		020 901



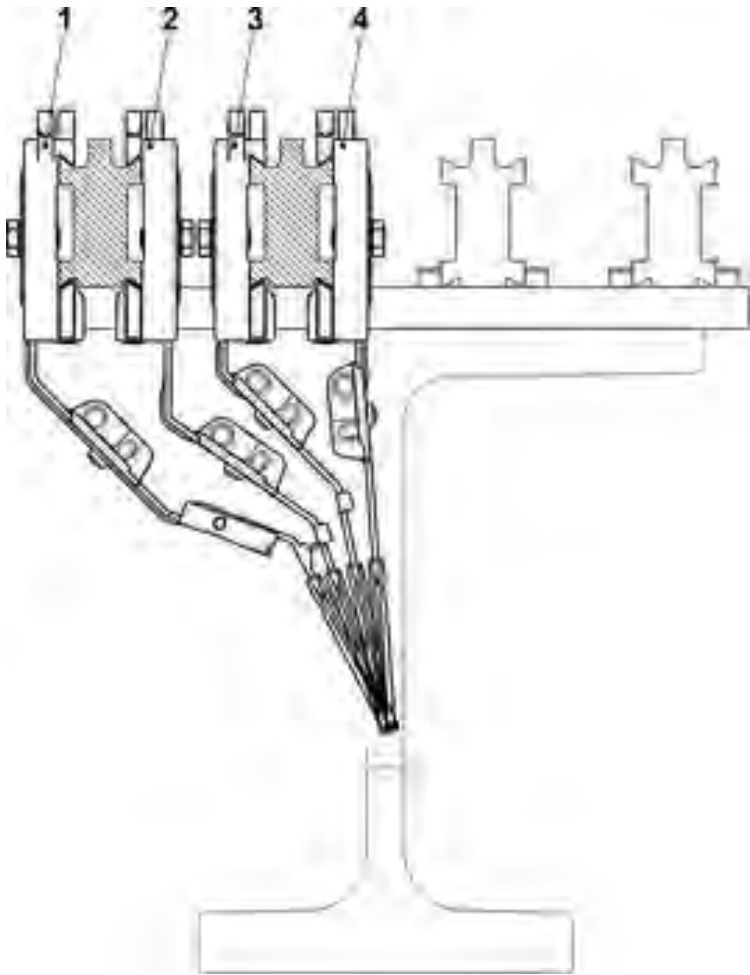
9.5 Yarn carriers and yarn carrier rails

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E5	250 374	E5 E5m.4 E7m.5 E2,5.2 E3,5.2 E5.2		
	Yarn guide complete E7 – E8	250 375	1	YC bow 1+8 complete E5	212 990
	Yarn guide complete E10 – E14	250 376	2	YC bow 2+7 complete E5	212 992
	Yarn guide complete E16 – E18	250 377	3	YC bow 3+6 complete E5	212 991
5	Limiter on the left complete	244 099	4	YC bow 4+5 complete E5	212 993
6	Limiter on the right complete	244 098	E7 E8 E6.2 E7.2		
7	Slider with eyelet	230 709	1	YC bow 1+8 complete E7-8	212 892
9*	Yarn carrier rail	218 665	2	YC bow 2+7 complete E7-8	212 914
10	YC carriage complete	243 062	3	YC bow 3+6 complete E7-8	212 925
13	Shim 0,03x11x80	213 035	4	YC bow 4+5 complete E7-8	212 910
500	Hexagonal screw M5x10	020 351	E10 E12 E14 E12M.10 E8.2		
			1	YC bow 1+8 complete E10-14	212 994
			2	YC bow 2+7 complete E10-14	212 996
			3	YC bow 3+6 complete E10-14	212 995
			4	YC bow 4+5 complete E10-14	212 997
			E16 E18		
			1	YC bow 1+8 complete E16-18	223 199
			2	YC bow 2+7 complete E16-18	223 201
			3	YC bow 3+6 complete E16-18	223 200
			4	YC bow 4+5 complete E16-18	223 202
			a	Yarn guide wheel complete	209 257
			510	Pan-head screw M3x10	023 032



9.6 Complete yarn carriers

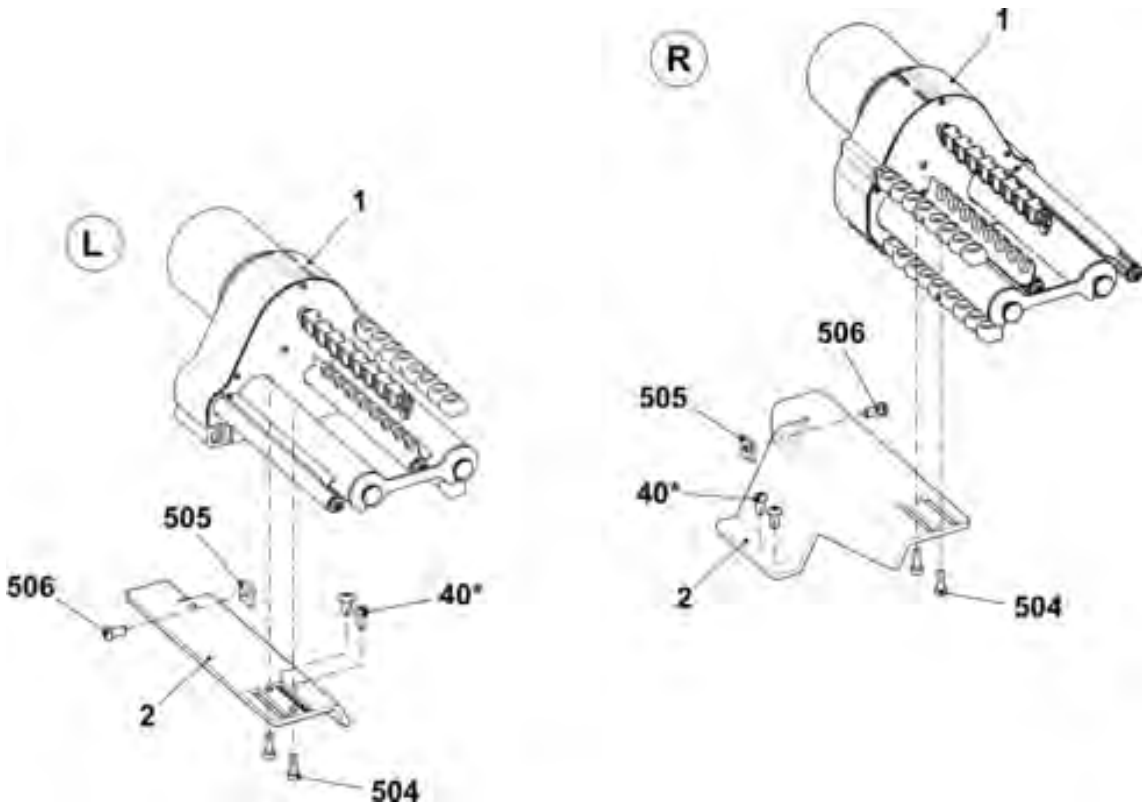
Pos	Designation	Track	Id		Pos	Designation	Track	Id
E5 E5m.4 E7m.5 E2,5.2 E3,5.2 E5.2					E10 E12 E14 E12m.10 E7.2			
1	YC carriage complete E5	1+8	243 935		1	YC carriage complete E10-14	1+8	243 943
2	YC carriage complete E5	2+7	243 934		2	YC carriage complete E10-14	2+7	243 942
3	YC carriage complete E5	3+6	243 933		3	YC carriage complete E10-14	3+6	243 941
4	YC carriage complete E5	4+5	243 932		4	YC carriage complete E10-14	4+5	243 940
E7 E8 E6.2 E7m.8 E8m.7					E16 E18			
1	YC carriage complete E7-8	1+8	243 939		1	YC carriage complete E16-18	1+8	243 947
2	YC carriage complete E7-8	2+7	243 938		2	YC carriage complete E16-18	2+7	243 946
3	YC carriage complete E7-8	3+6	243 937		3	YC carriage complete E16-18	3+6	243 945
4	YC carriage complete E7-8	4+5	243 936		4	YC carriage complete E16-18	4+5	243 944



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

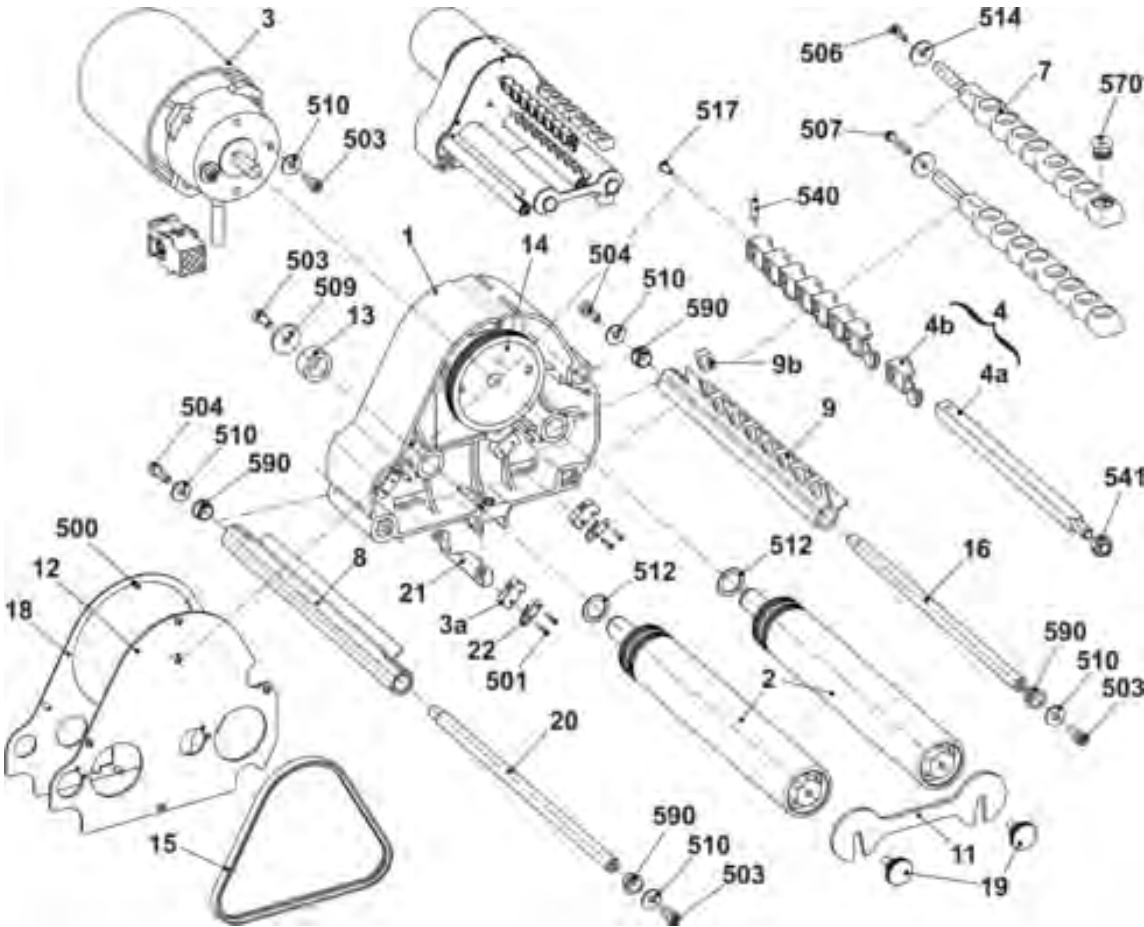
9.7 Friction feed wheel on the left and on the right complete

Pos	Designation	Id		Pos	Designation	Id
Σ L	Friction feed wheel on the left complete	243 573		Σ R	Friction feed wheel on the right complete	243 574
1	Friction feed wheel on the left	243 571		1	Friction feed wheel on the right	243 572
2	Support of left feed wheel	250 966		2	Support of right feed wheel	250 967
504	Cap screw M6x16	020 135		504	Cap screw M6x16	020 135
505	Sliding block	228 851		505	Sliding block	228 851
506	Countersunk screw M8x18	251 331		506	Countersunk screw M8x18	251 331
40*	Countersunk screw M8x16	023 113		40*	Countersunk screw M8x16	023 113



9.7.1 Left friction feed wheel

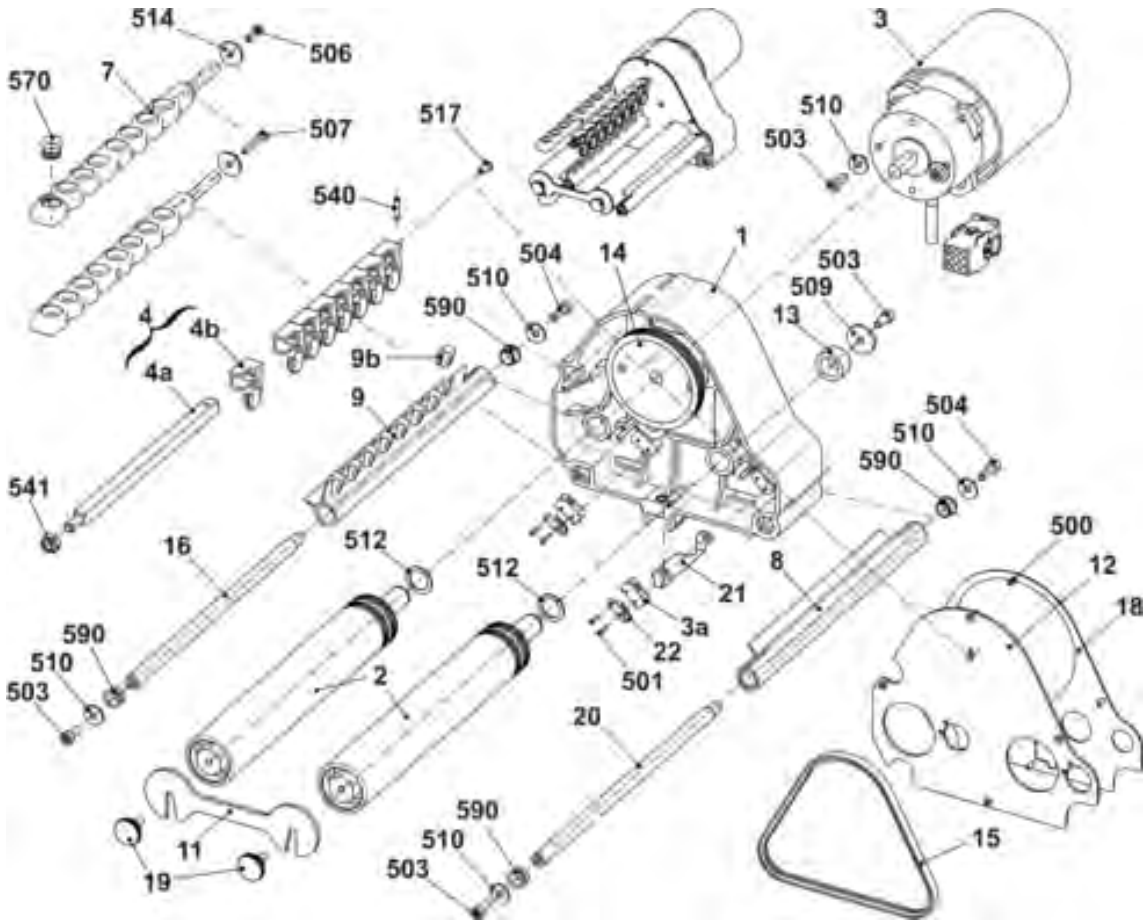
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the left complete		243 571	14	Ribbed V-belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt pulley V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase A.C. motor complete		219 800	18	Cover		230 758
	3a	Microswitch	008 664	19	Knurled srew		223 361
4	Deflector complete 8-fold		250 089	20	Rod		230 658
	4a	Support rail	250 055	21	Grounding plate		256 622
	4b	Eyelet holder complete	250 077	22	Spring plate		256 702
	540	Spring dowel sleeve 4x15	020 783	500	Screw KB 30x8		236 228
	541	Hexagon nut M8-8	022 843	501	Screw 20x10		244 736
7	Yarn guide rod complete		239 431	503	Cap screw M5x12		020 132
	570	Eyelet 8	021 504	504	Cap screw M5X16		022 726
8	Stop motion rail on the right complete		230 690	506	Screw KB 40x14		241 358
9	Stop motion rail on the left complete with eyelets		230 683	507	Screw KB 40x25		241 595
	9b	Eyelet	230 662	509	Washer 6.1x9x0.5		023 219
	590	Slide bearing	023 627	510	U-washer 5		020 901
11	Strap		221 316	512	Adjusting washer 15x21x1		023 216
12	Cover		251 098	514	U-washer 4,3		020 908
13	Bush		221 391	517	Pan-head screw M4x8		023 579



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

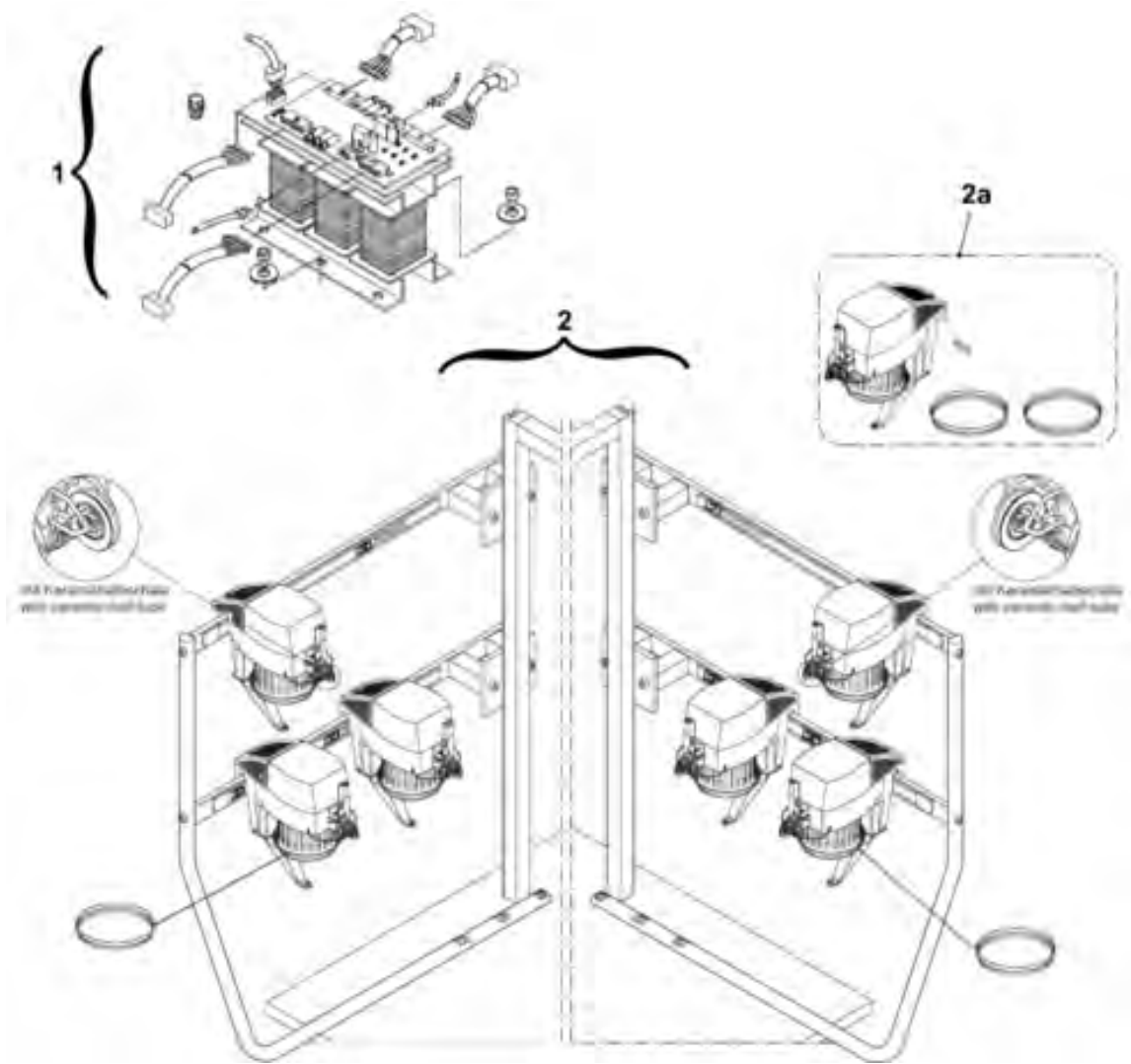
9.7.2 Right friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the right complete	243 572	14	Ribbed V-belt pulley	221 268
1	Housing	240 368	15	Ribbed V-belt pulley V3J 406	206 927
2	Friction roller complete	231 704	16	Rod	221 319
3	Three-phase A.C. motor complete	219 800	18	Cover	230 758
3a	Microswitch	008 664	19	Knurled screw	223 361
4	Deflector complete 8-fold	250 089	20	Rod	230 658
4a	Support rail	250 055	21	Grounding plate	256 622
4b	Eyelet holder complete	250 077	22	Spring plate	256 702
540	Spring dowel sleeve 4x15	020 783	500	Screw KB 30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	244 736
7	Yarn guide rod complete	239 431	503	Cap screw M5x12	020 132
570	Eyelet 8	021 504	504	Cap screw M5X16	022 726
8	Stop motion rail on the right complete	230 690	506	Screw KB 40x14	241 358
9	Stop motion rail on the right complete with eyelets	230 682	507	Screw KB 40x25	241 595
9b	Eyelet	230 662	509	Washer 6.1x9x0.5	023 219
590	Slide bearing	023 627	510	U-washer 5	020 901
11	Strap	221 316	512	Adjusting washer 15x21x1	023 216
12	Cover	251 098	514	U-washer 4,3	020 908
13	Bush	221 391	517	Pan-head screw M4x8	023 579



9.8 Feed wheel SFE

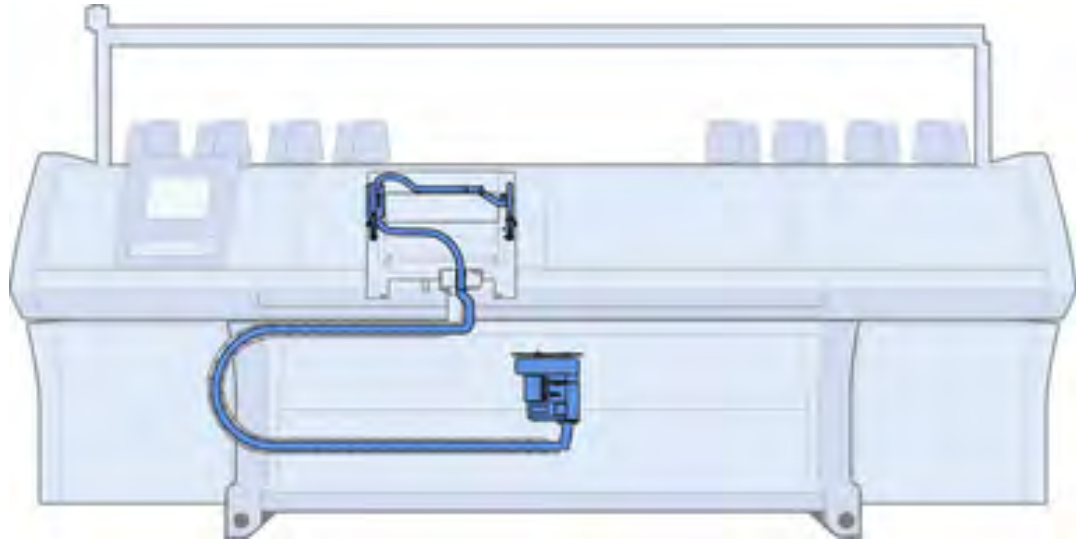
Pos	Designation	Id	Note
Σ	Mounted set storage feed wheel SFE	231 427	Please order the SFE spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Phone: +49 7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the SFE spare parts can be found in the enclosed assembling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



9.8 Feed wheel SFE

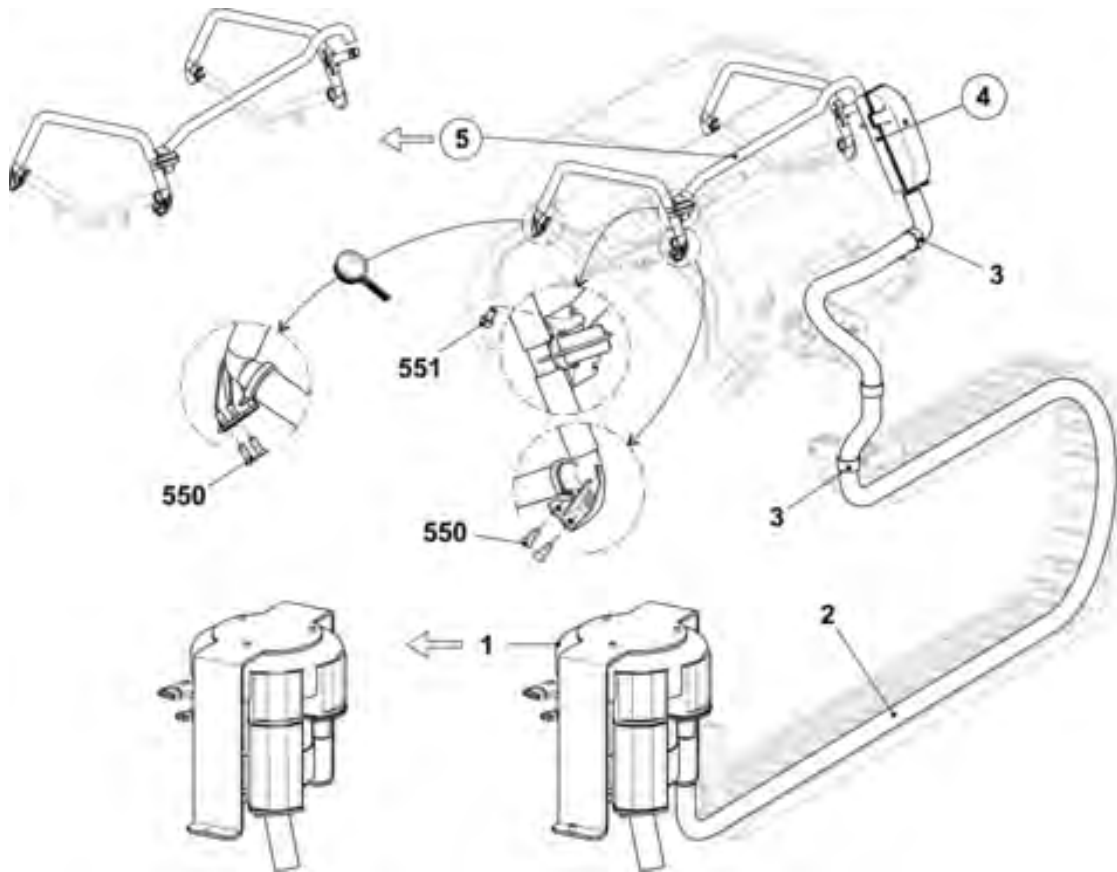
Notes:

10 Fluff absorption



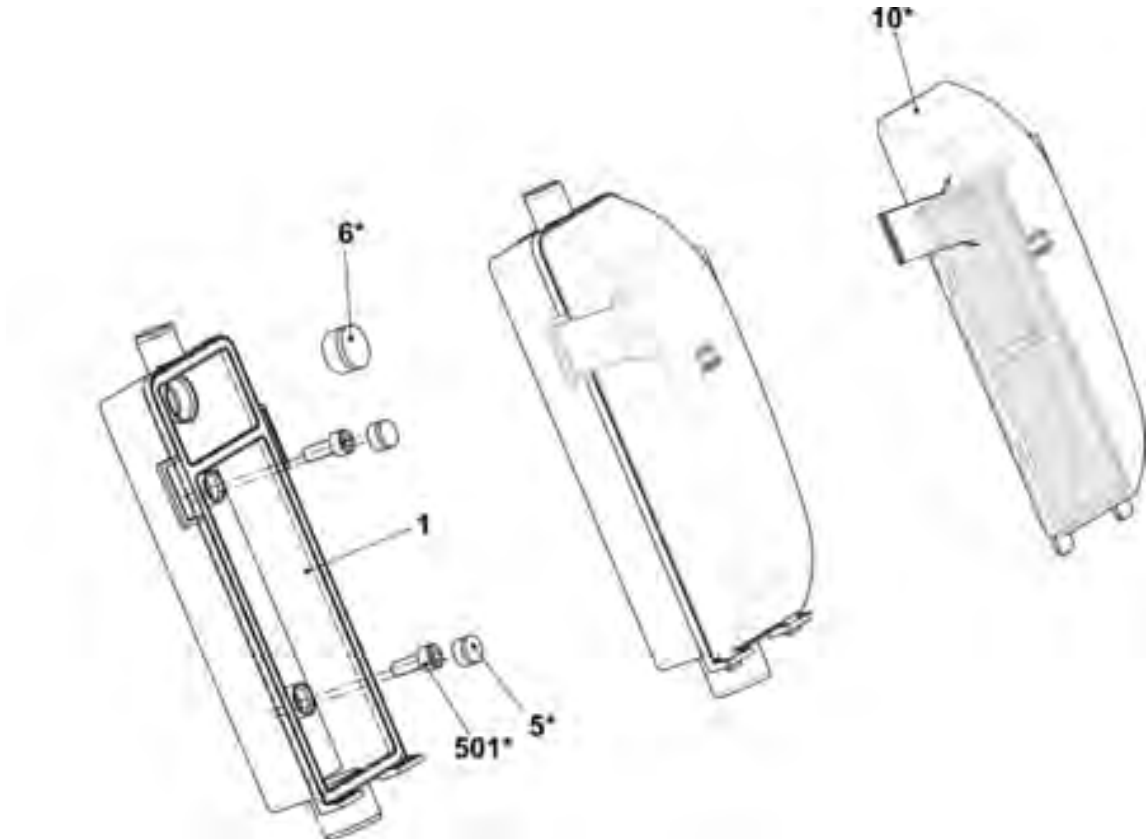
10.1 Fluff absorption

Pos	Designation	Id		Pos	Designation	Id
Σ	Fluff absorption					
1	Suction fan complete	251 332		5	Hose set complete	251 341
2	Suction hose 29x25x3350	251 328		550	Countersunk head screw M4x12	023 062
3	Hose fitting	214 653		551	Cap screw M4x8	022 501
4	Lint container	245 024				



10.2 Lint container

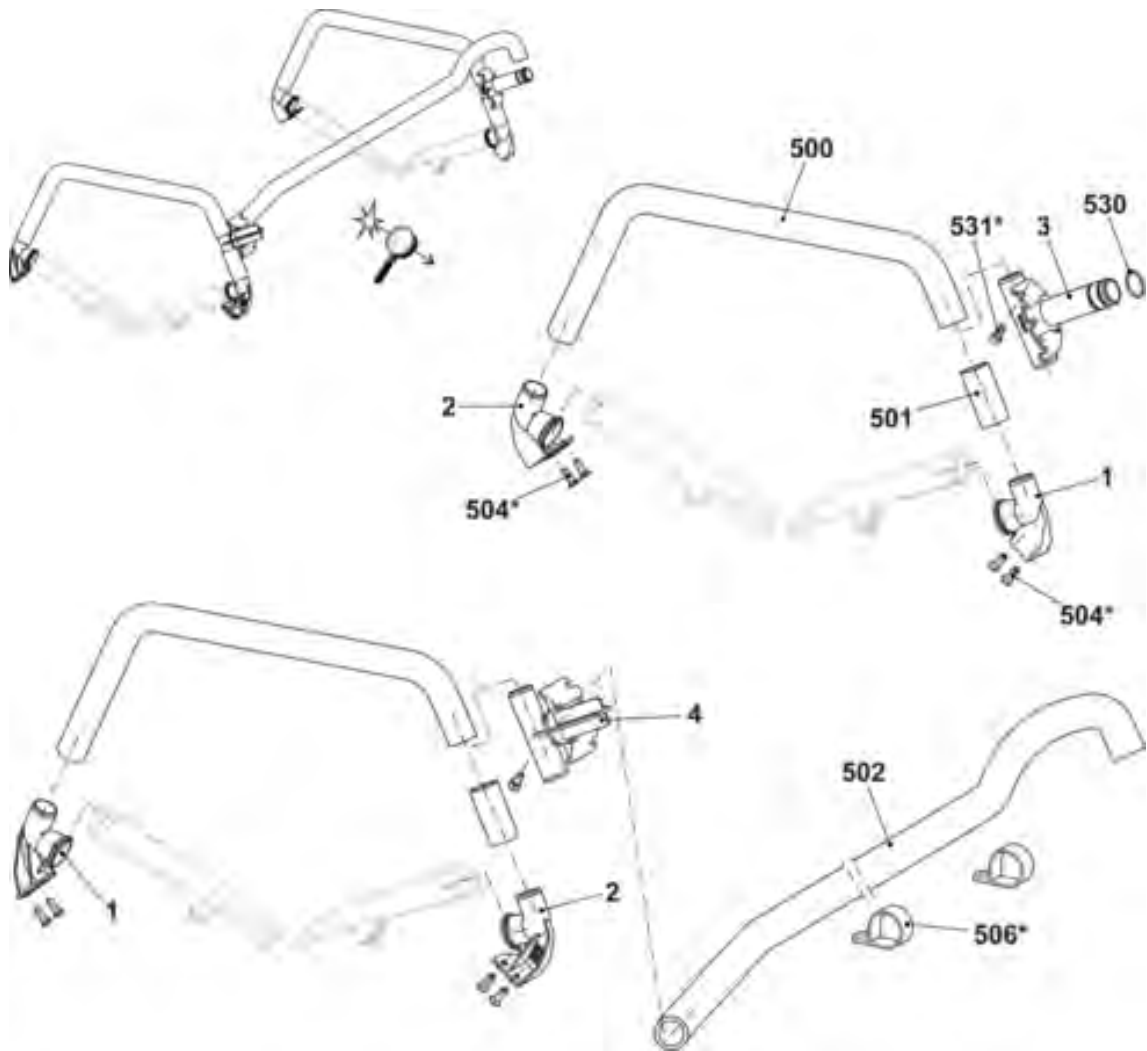
Pos	Designation	Id		Pos	Designation	Id
Σ	Lint container			6*	Sealing plug	245 029
1	Lint container	245 024		10*	Cover with filter	251 335
5*	Sealing plug	245 028		501*	Cap screw M6x10	023 690



10.3 Hose set

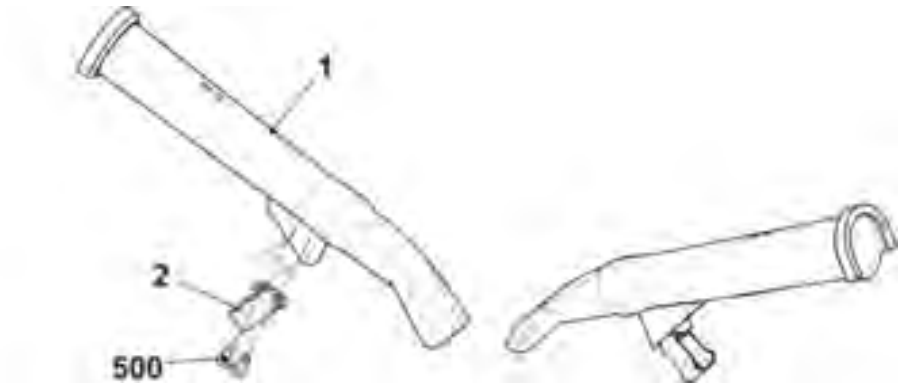
10.3 Hose set

Pos	Designation		Id		Pos	Designation		Id
Σ	Set of tubes complete 740/830C		251 341		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 20x16x720		251 046
	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



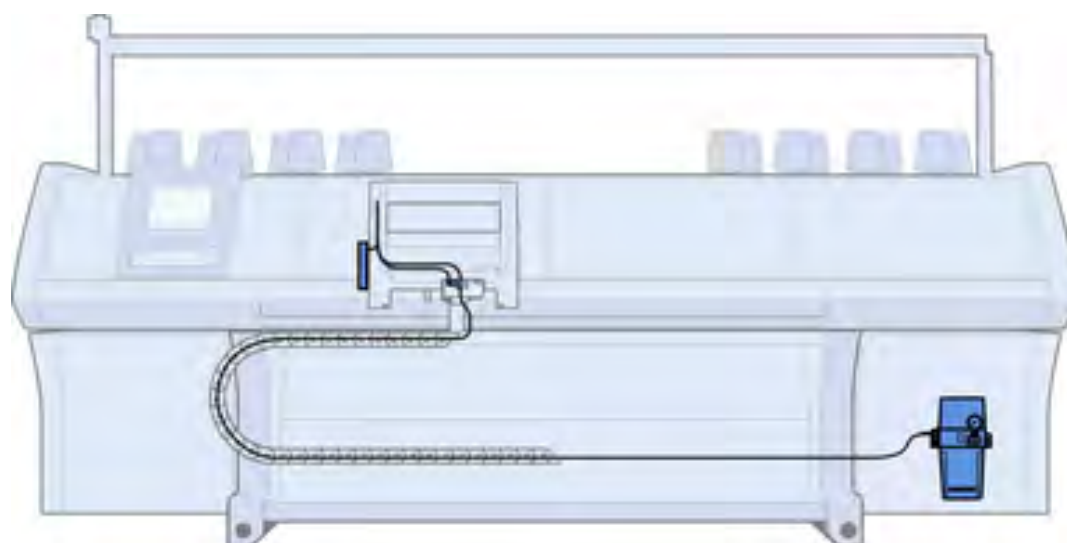
10.4 Suction tube

Pos	Designation	Id		Pos	Designation	Id
Σ	Suction tube complete E5-14	251 310				
	Suction tube complete E16-18	251 311				
1	Suction tube (E5-14)	255 386		2	Bracket	255 627
	Suction tube (E16-18)	255 605		500	Screw KB30x6	241 424



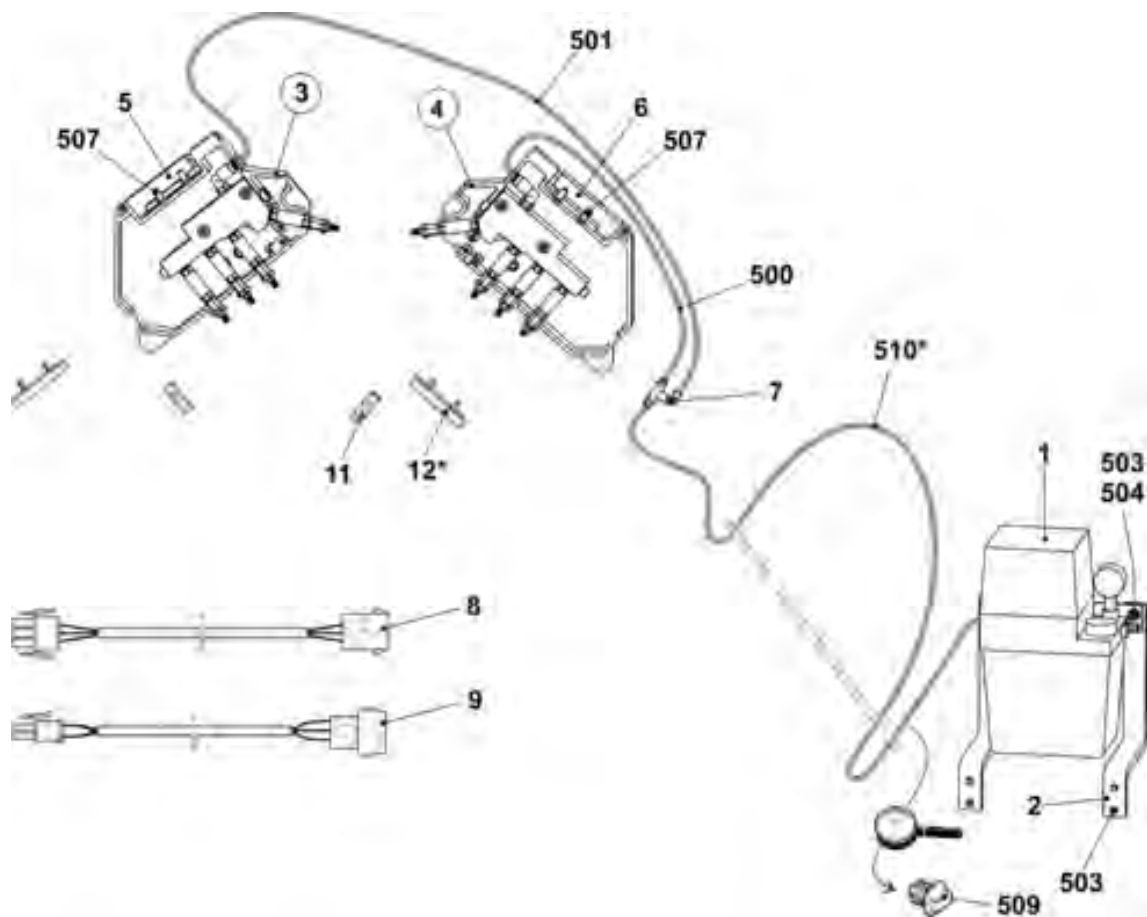
Notes:

11 Central lubrication



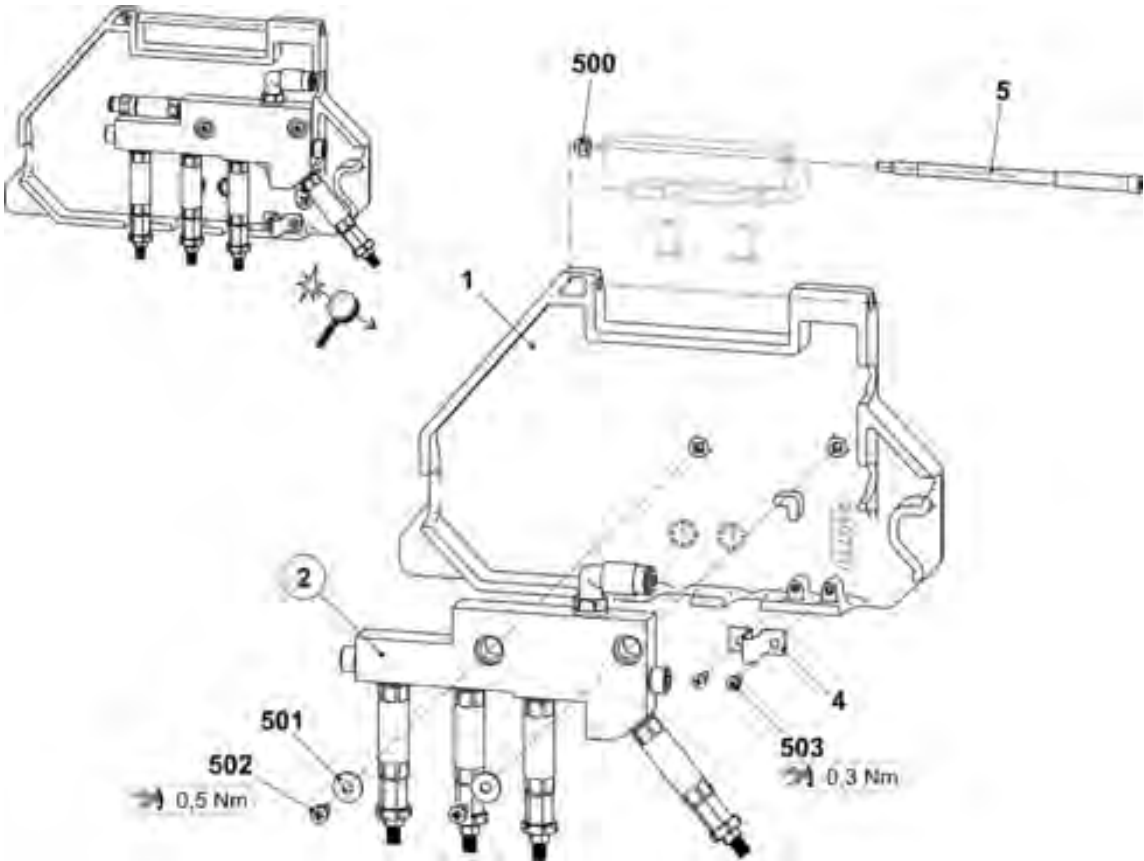
11.1 Central lubrication

Pos	Designation	Id		Pos	Designation	Id
Σ	Central lubrication	243 384				
1	Oil central lubricating pump Vogel	235 068		11	Sealing plug	240 777
2	Support for oil equipment	241 636		12*	Border	240 778
3	Lubricating unit at the front complete	241 047		500	Hose D6, L = 500	235 037
4	Lubricating unit at the rear complete	241 048		501	Hose D6, L = 1000	235 038
5	Joint at the front	240 791		503	Cap screw M8x16	023 629
6	Joint at the rear	240 792		504	U-washer 8	020 883
7	T-piece complete	235 039		507	Pan-head screw M6x12	235 935
8	Cable mains supply CL 72"/84"	241 850		509	Assembling element	209 543
9	Cable control CL	238 704		510*	Hose D6, L = 4500	235 043



11.1.1 Lubricating unit at the front complete

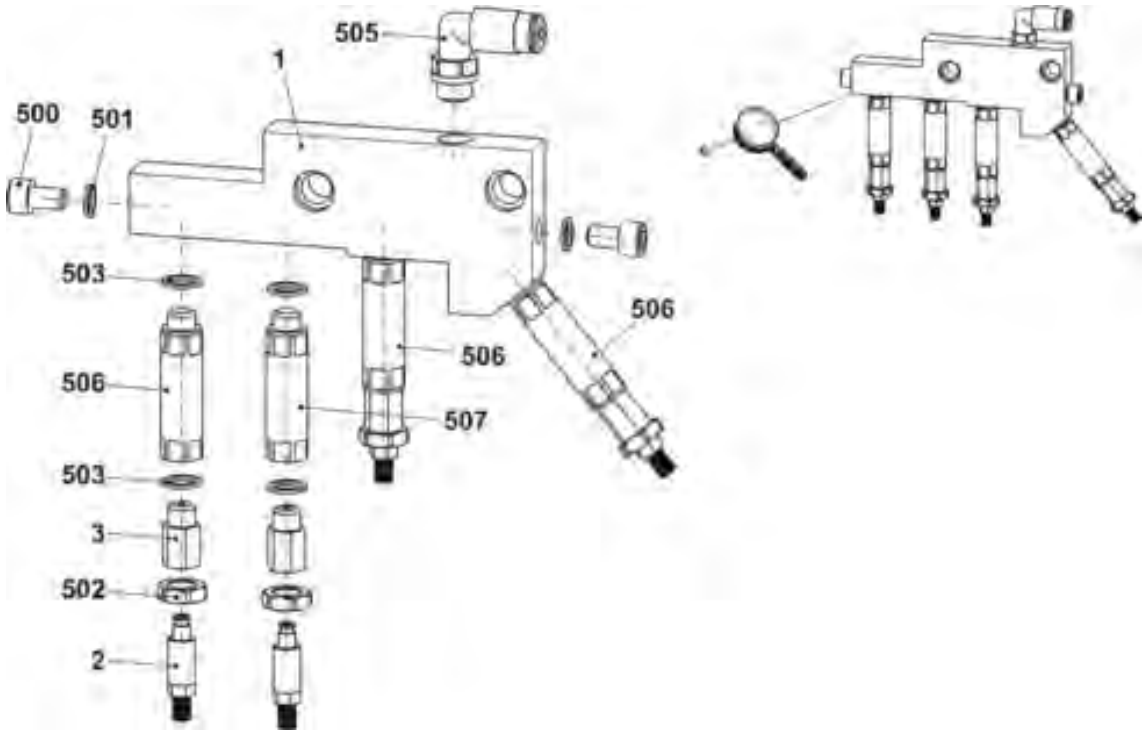
Pos	Designation	Id		Pos	Designation	Id
Σ	Lubricating unit at the front complete	241 047				
1	Housing at the front	240 771		500	Hexagon nut M4	023 046
2	Distributor complete	241 046		501	U-washer 4	023 047
4	Locking plunger	235 054		502	Screw KB 40x8	238 089
5	Shoulder screw	240 790		503	Screw KB 30x8	236 228



11.1 Central lubrication

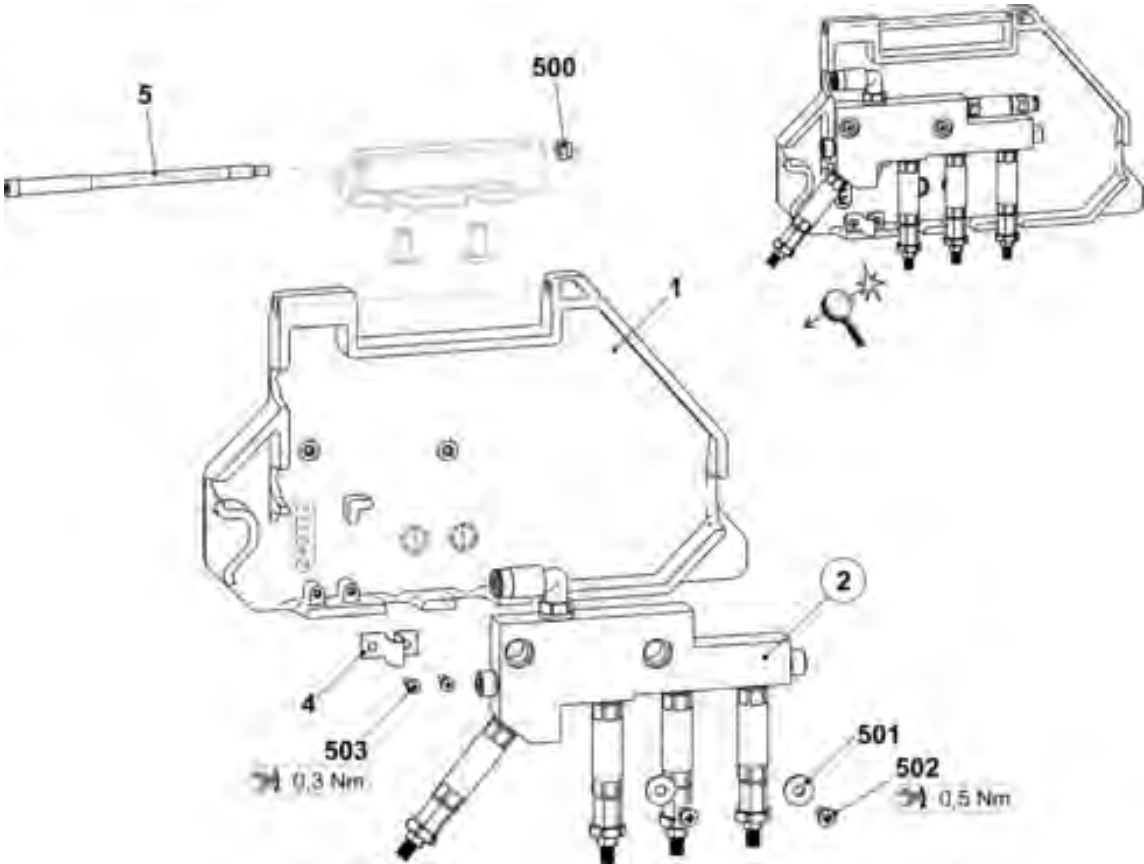
11.1.2 Distributor complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Distributor complete	241 046				
1	Distributor	240 773		502	Hexagon nut M8-04	020 856
2	Brush	235 050		503	Sealing ring A8x11.5	023 892
3	Adapter brush	235 049		505	Swivelling connection	235 067
500	Cap screw M6X10	023 690		506	Dosing unit screw connection	235 079
501	Sealing ring A6.5x9.5	237 456		507	Dosing unit screw connection	237 809



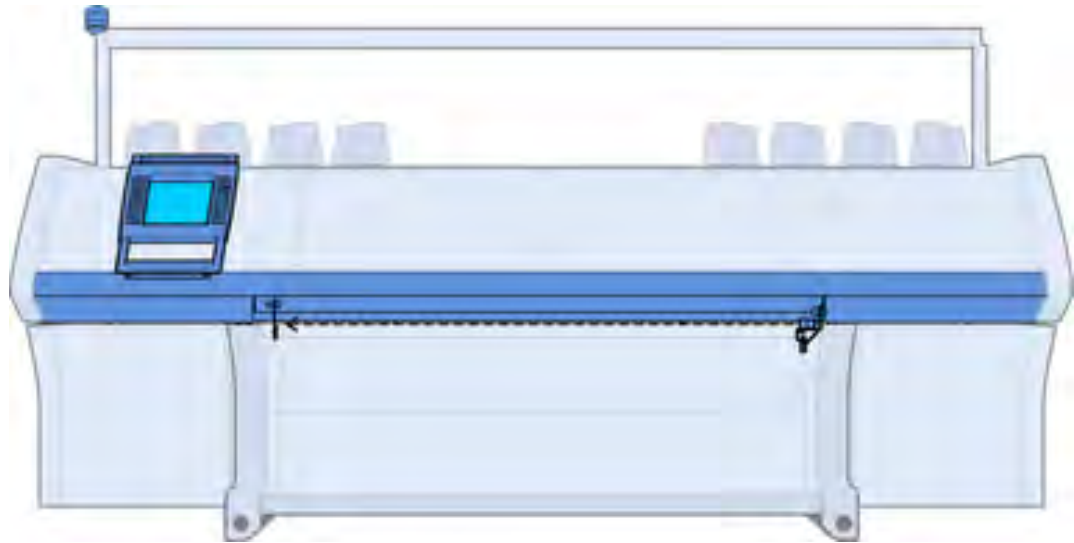
11.1.3 Lubricating unit at the rear complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Lubricating unit at the rear complete	241 048				
1	Housing at the rear	240 772		500	Hexagon nut M4	023 046
2	Distributor complete	241 046		501	U-washer 4	023 047
4	Locking plunger	235 054		502	Screw KB 40x8	238 089
5	Shoulder screw	240 790		503	Screw KB 30x8	236 228



Notes:

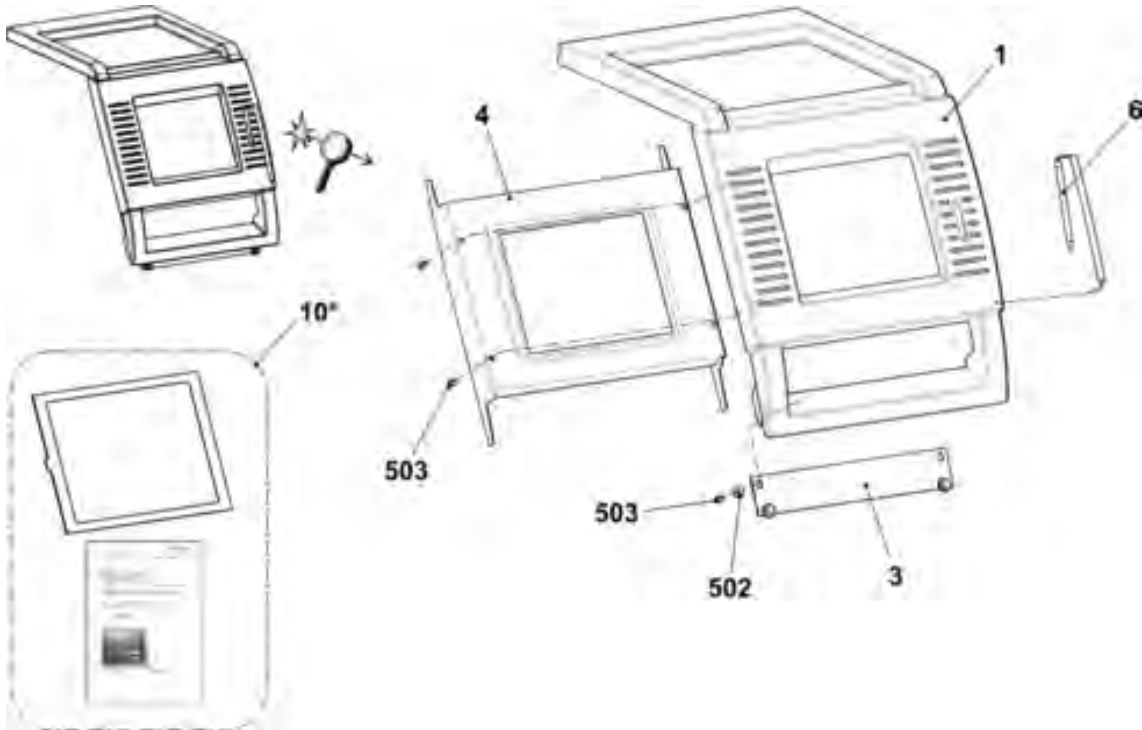
12 Operation and control



12.1 Input unit

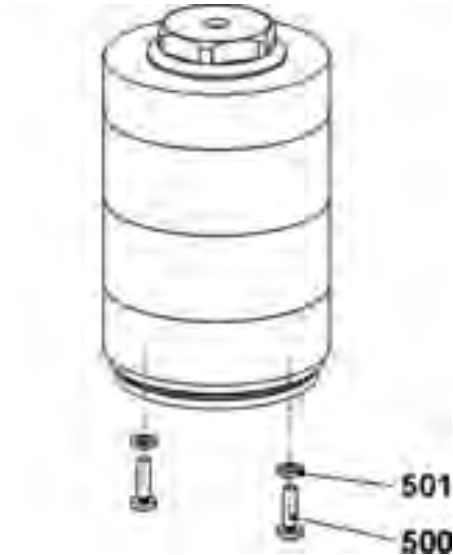
12.1 Input unit

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



12.2 Signal light

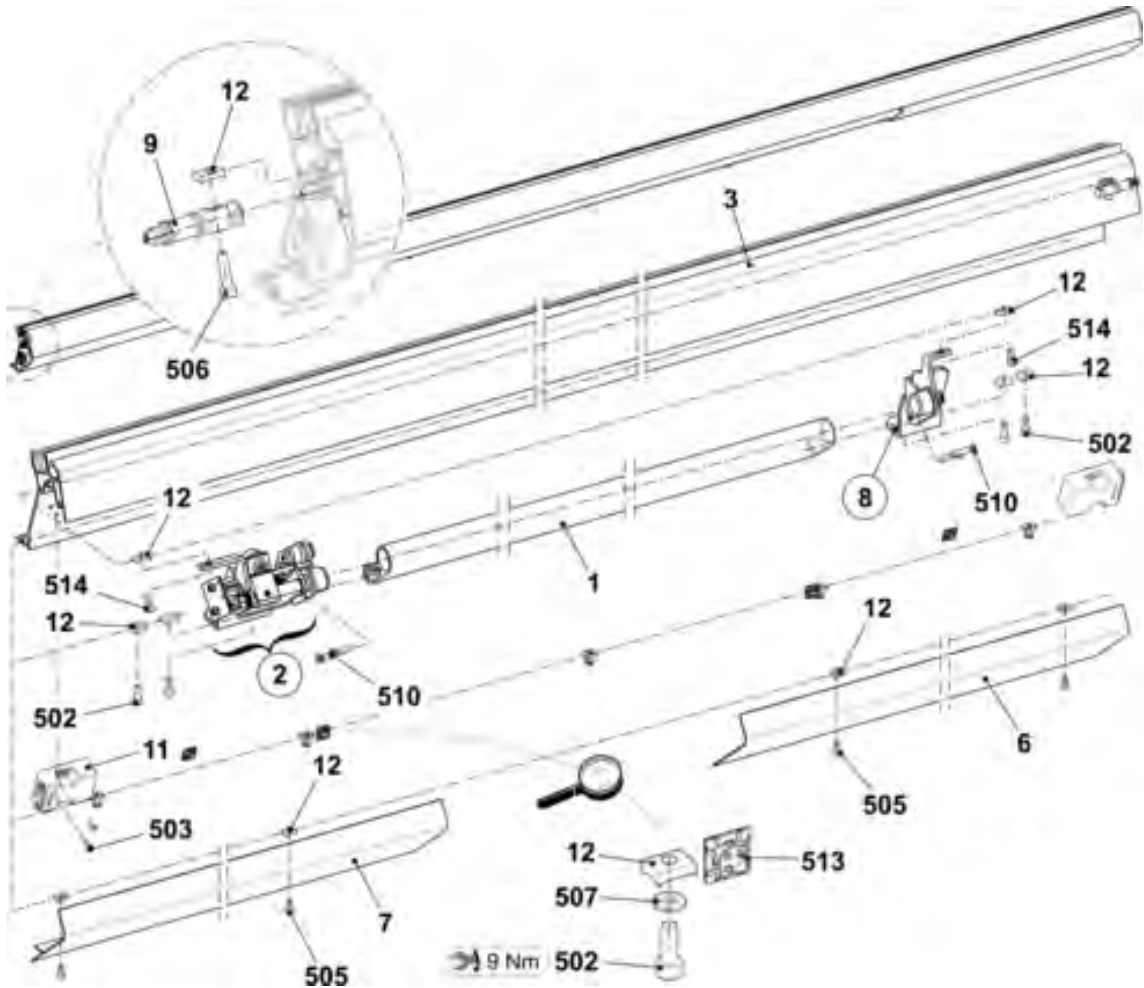
Pos	Designation		Id		Pos	Designation		Id
Σ	Warning light LED		240 395					
	500	Countersunk screw M4x14	023 037					
	501	Serrated lock washer A4.3-FS	022 482					



12.3 Starting unit

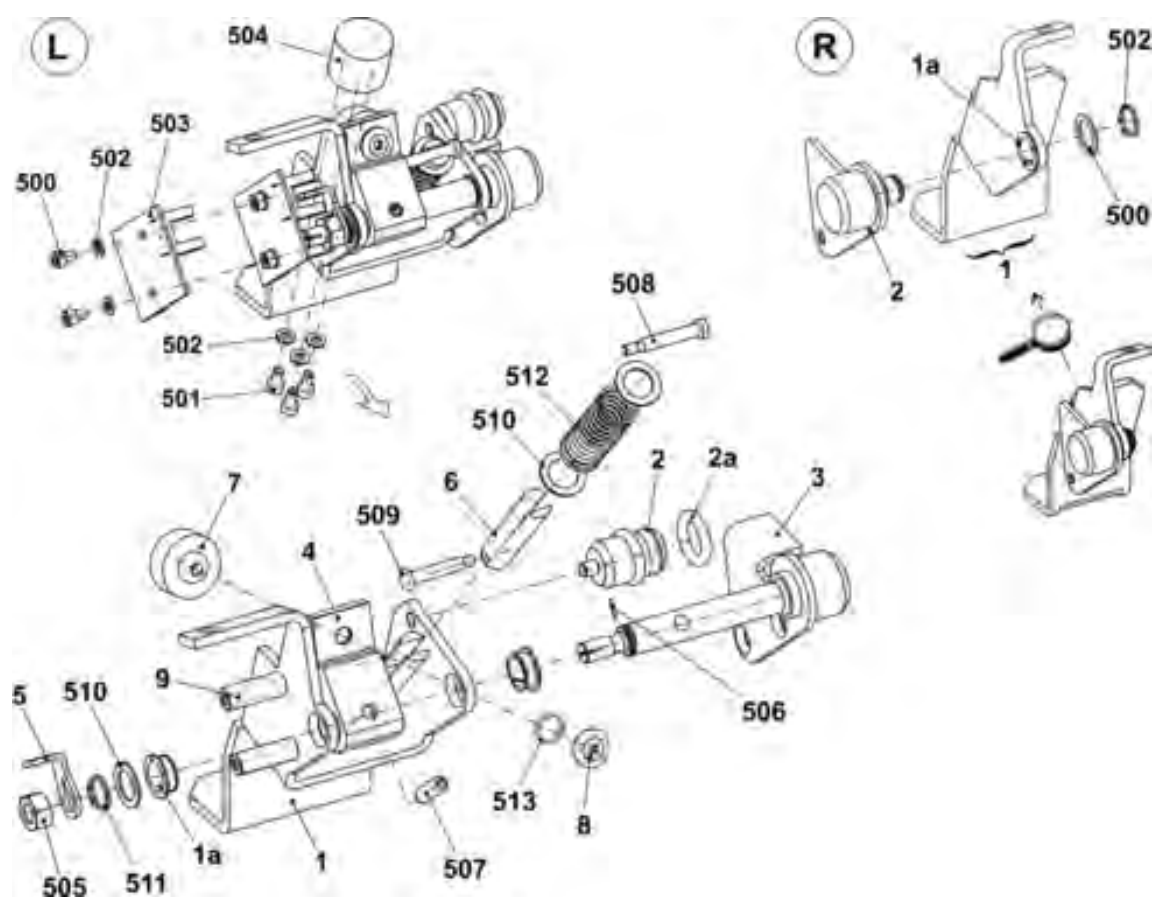
12.3 Starting unit

Pos	Designation	Id		Pos	Designation	Id
Σ	Starting unit	240 569		12	Sliding block	225 099
1	Engaging rod	240 718		502	Cap screw M6x16	020 135
2	Bearing on the left complete	250 071		503	Countersunk screw M5x14	023 588
3	Guide rail at the bottom complete	257 516		505	Cap screw M6X12	020 134
6	Cover plate on the right	251 214		506	Cap screw M6x20-12.9	020 136
7	Cover plate on the left	251 215		507	U-washer	020 872
8	Bearing on the right complete	252 964		510	Screw M6x25	023 510
9	Fixing bolt	219 107		513	Adhesive base	243 055
11	Cable switch protective hoods	223 350		514	Cap screw M6X10	023 690



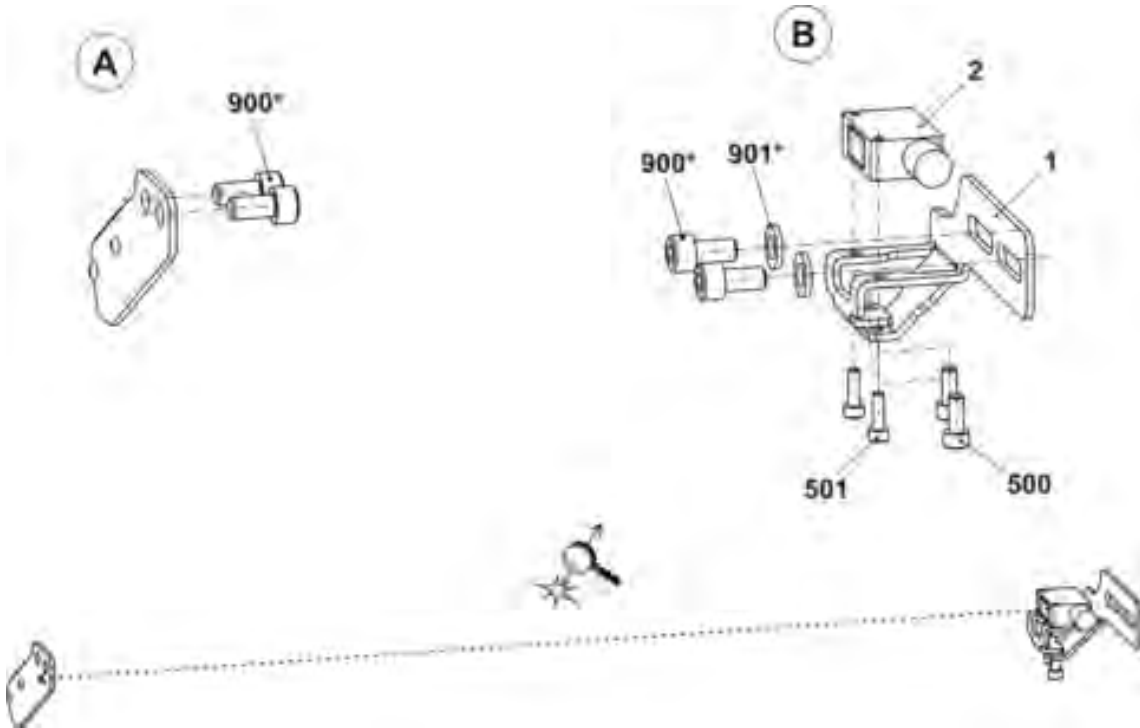
12.3.1 Bearing of the engaging rod

Pos	Designation	Ident No.	Pos	Designation	Ident No.
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M4-6	020 838
1a	Clip bearing MCM12-04	023 639	506	Dowel pin 1.5x8	236 923
2	Support buffer	220 561	507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237	508	Shoulder screw M4x24.8x7.7	240 299
3	Shaft on the left	245 219	509	Shoulder screw	251 316
4	Rotor	253 776	510	Adjusting washer 12x18x1	023 315
5	Switch flag	245 220	511	Locking ring 12x1	020 951
6	Spring mandrel	251 340	512	Compression spring 1.25x15x98.2	023 609
7	Disc	245 222	513	Compression spring 0.5x11x12	251 369
8	Shoulder screw	254 528			
9	Distance bolt	240 287	R	Bearing on the right complete	252 964
500	Cap screw M4X6	023 067	1	Bearing on the right	240 230
501	Cap screw M4x8	022 501	1a	Clip bearing MCM 12-04	023 639
502	Adjusting washer 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	240 167	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Locking ring 12x1	020 951



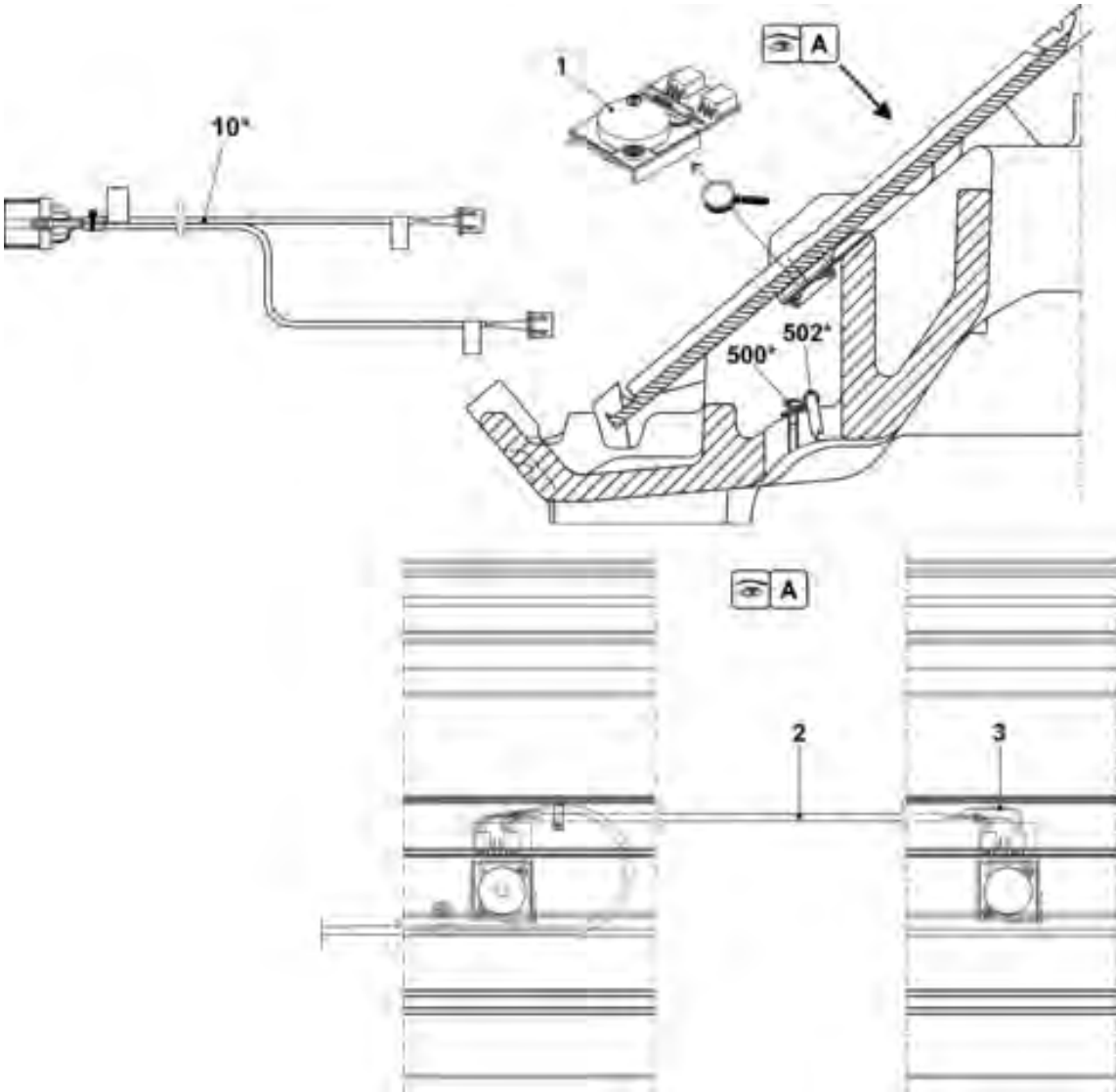
12.4 Collecting area - control

Pos	Designation	Id		Pos	Designation	Id
A	Reflector complete	256 826		B	Angle support photoelectric sensor	257 409
900*	Cap screw M6X12	020 134		1	Support angle	256 806
				2	Photoelectric sensor	243 355
				500	Cap screw M4X10	023 136
				501	Cap screw M3X10	022 991
				900*	Cap screw M6X12	020 134
				901*	U-washer	020 872



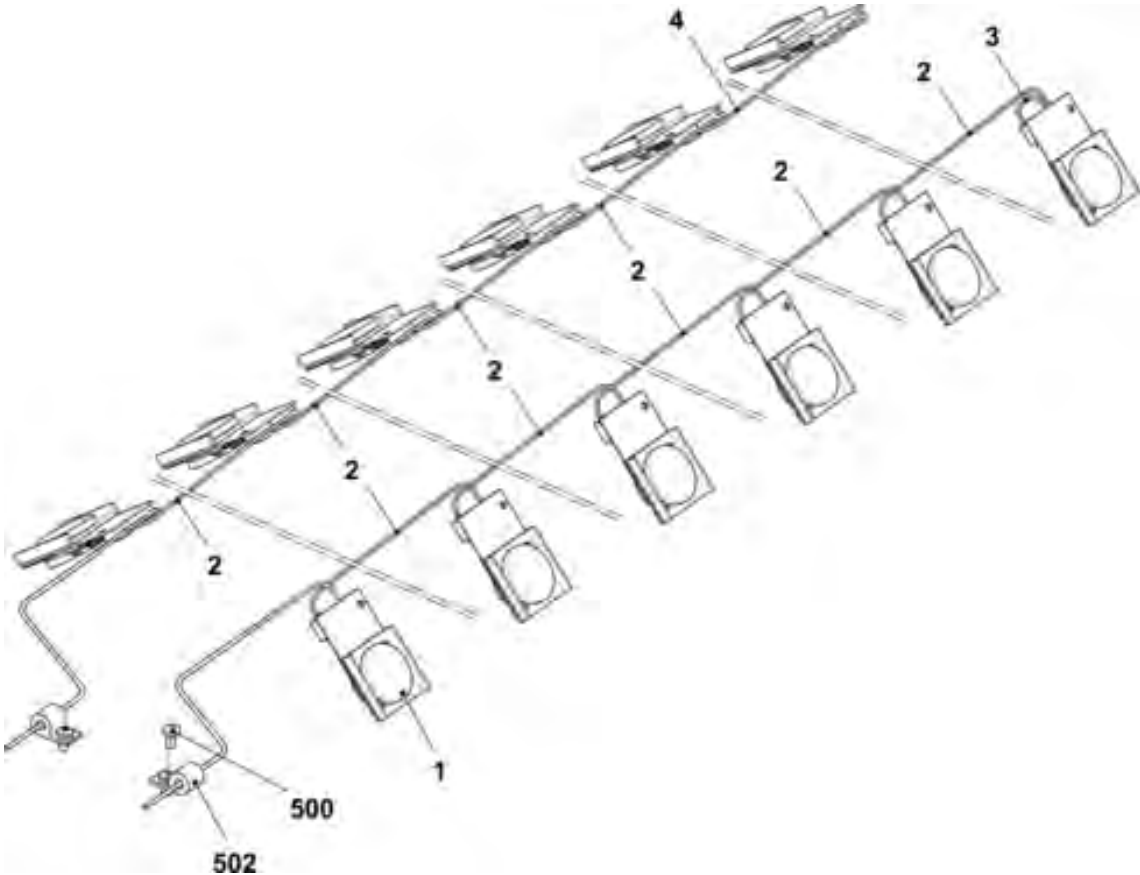
12.5 Shock stop motion E5-14

Pos	Designation	Id		Pos	Designation	Id
Σ	Shock stop motion complete E5 – E14 E2,5.2 E3,5.2 E5.2 E6.2 E7.2 EXm.Y	223 947				
1	Shock stop motion (Piezo)	220 011		10*	Cable piezo NB	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



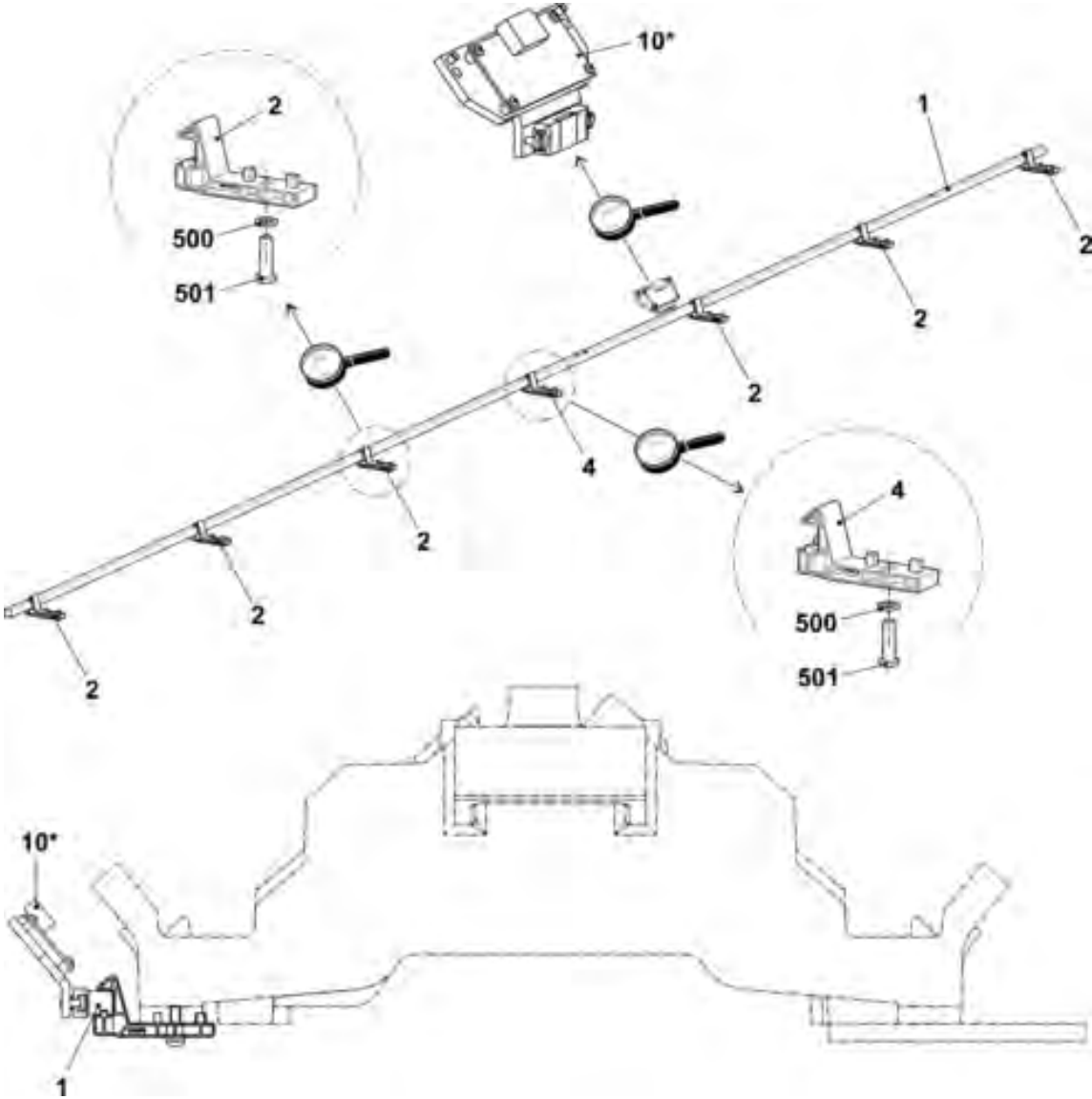
12.6 Shock stop motion E16-18

Pos	Designation	Id		Pos	Designation	Id
Σ	Shock stop motion complete E16 - E18	250 385				
1	Shock stop motion (Piezo)	220 011		4	Cable connection piezo	250 292
2	Cable connection piezo	250 293		500	Pan-head screw M4x8	023 036
3	End plug piezo sensor	220 053		502	Cable clip N-3B, 5 mm	210 729



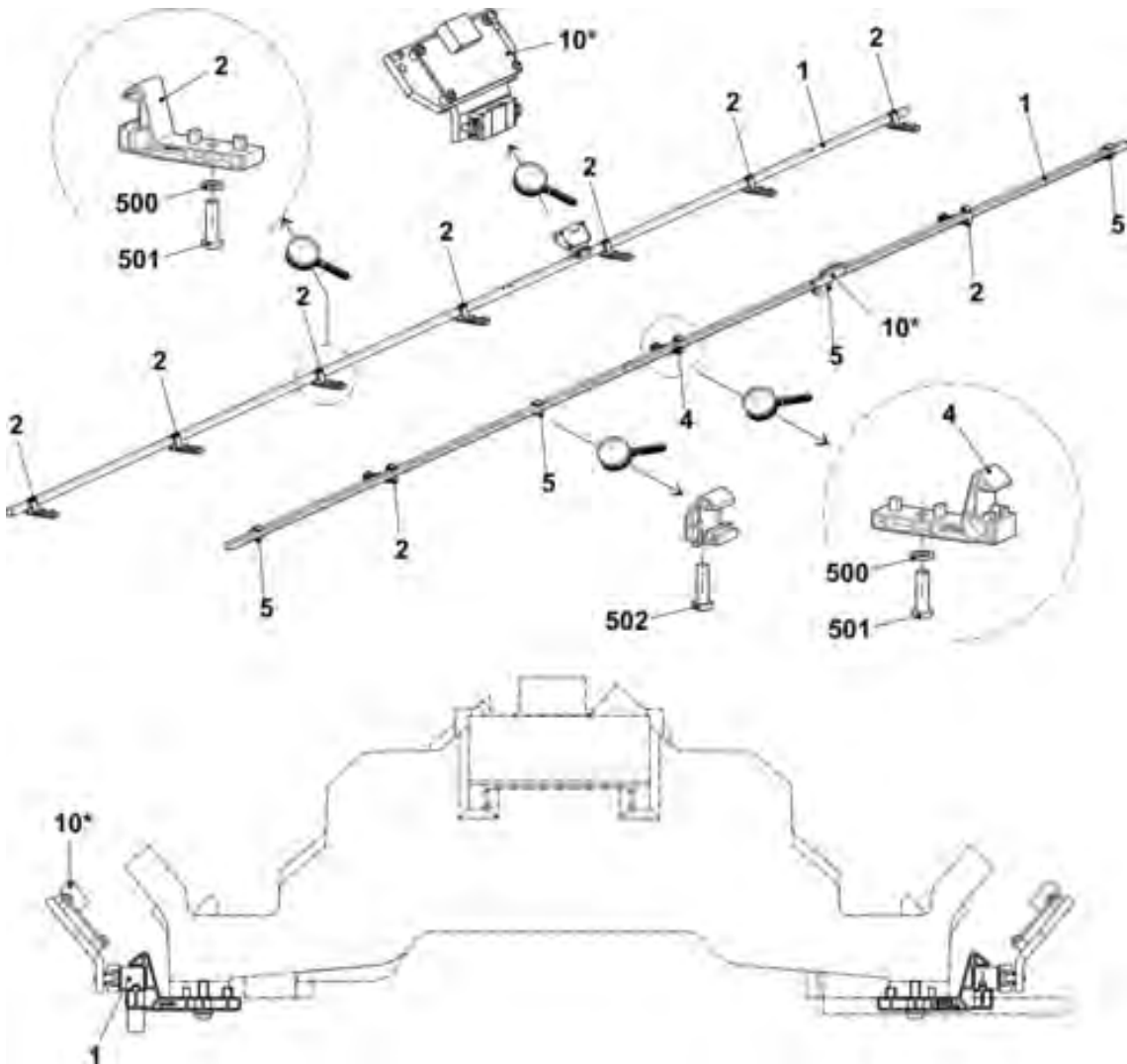
12.7 Measuring device E5-8

Pos	Designation	Id		Pos	Designation	Id
Σ	Measuring device E5-8					
1	Measuring bar	241 037		10*	Measuring head complete	240 562
2	Guidance	251 676		500	U-washer	020 881
4	Guidance	240 672		501	Countersunk screw	241 603



12.8 Measuring device E10-18

Pos	Designation	Id	Pos	Designation	Id
Σ	Measuring device E10-18				
1	Measuring bar	241 037	10*	Measuring head complete	240 562
2	Guidance	251 676	500	U-washer	020 881
4	Guidance	240 672	501	Countersunk screw	241 603
5	Guidance exterior	251 605	502	Screw 60x20	243 625

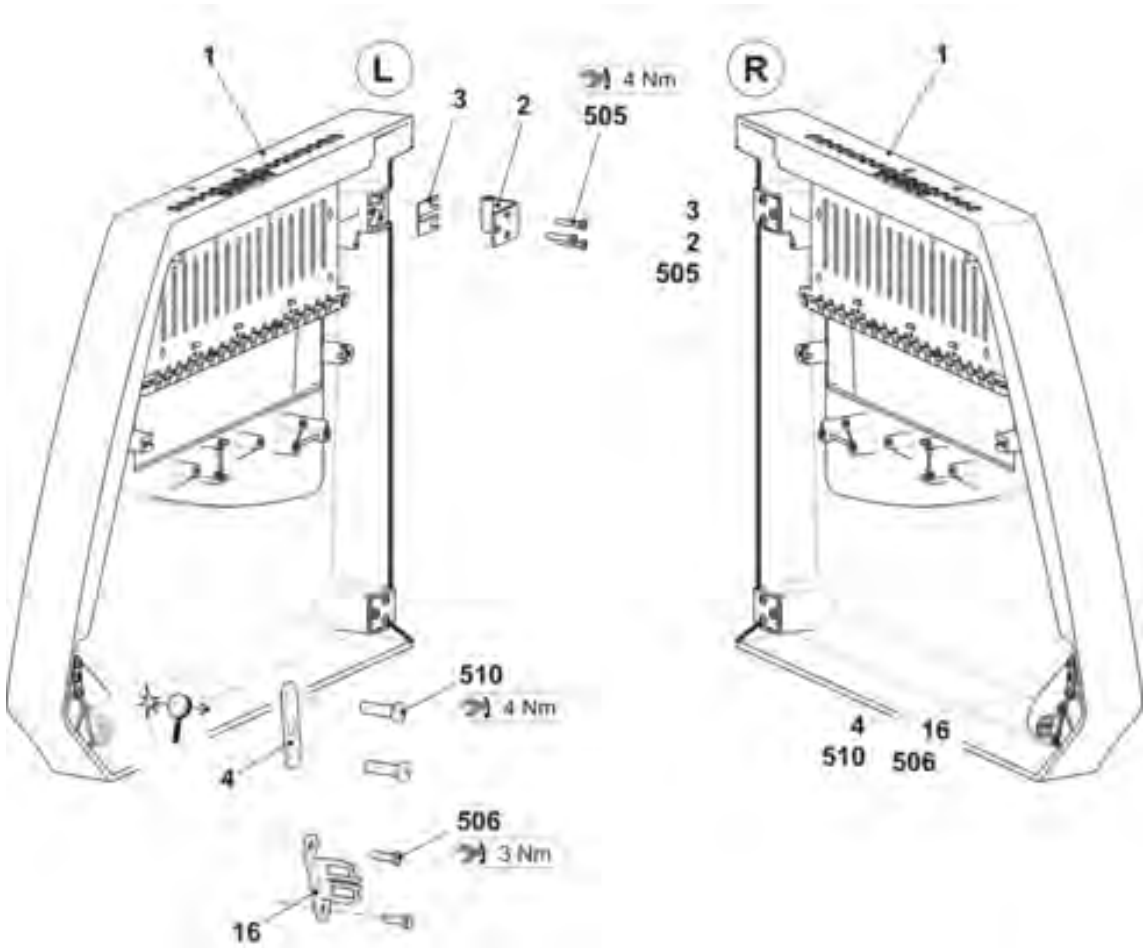


13 Protective units



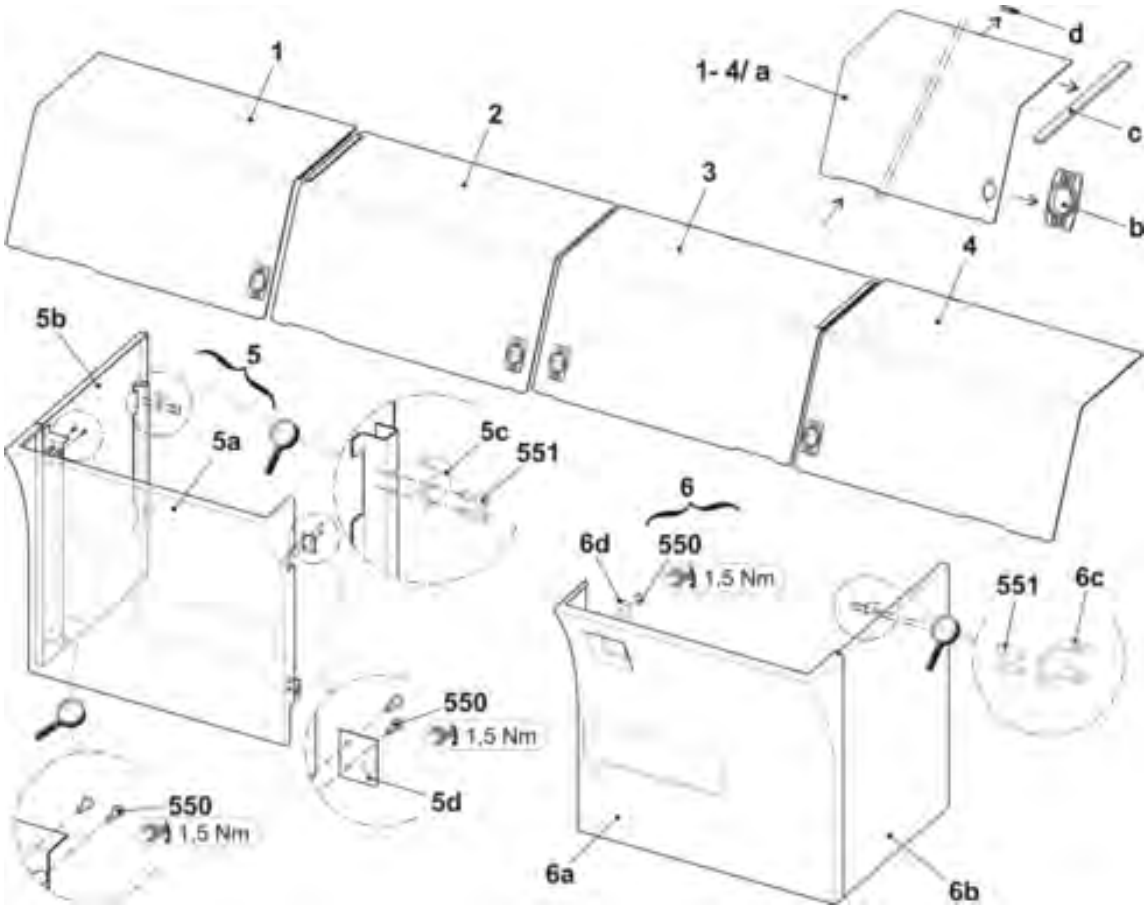
13.1 Lateral safety covers

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



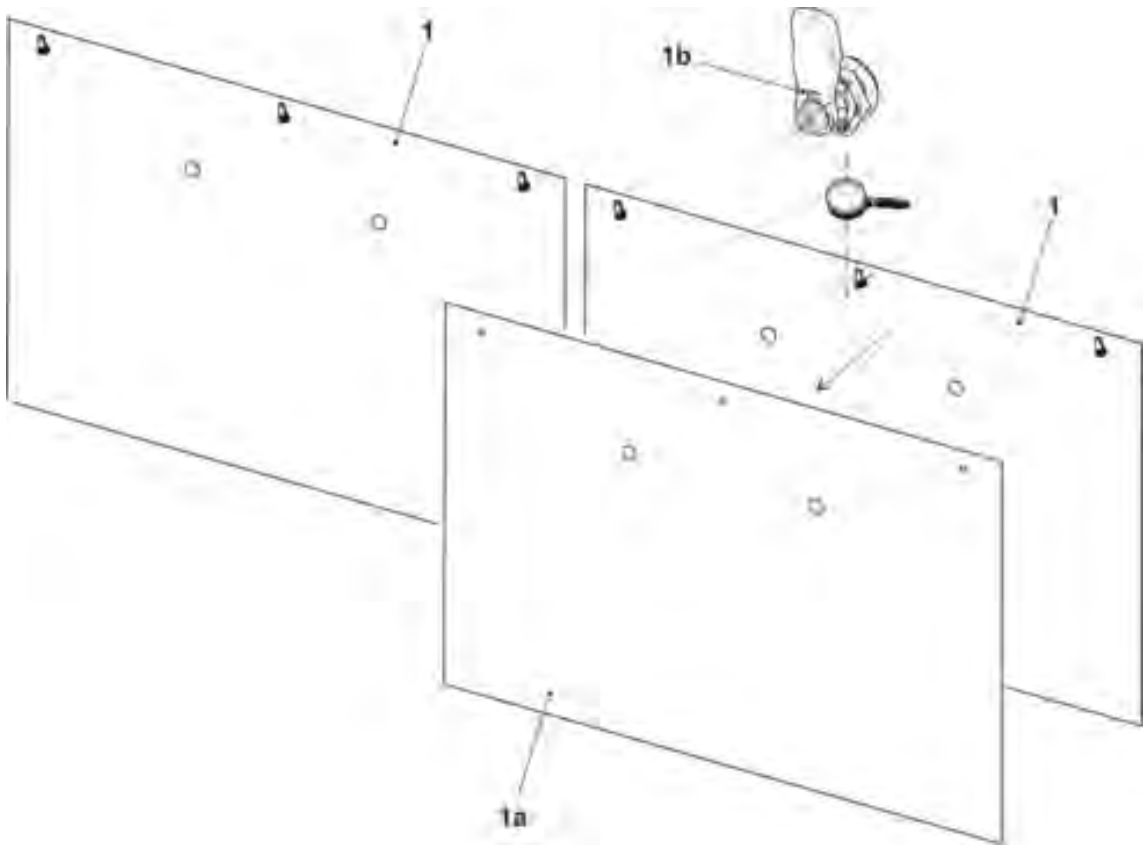
13.2 Panelling

Pos	Designation		Id		Pos	Designation		Id
1	Cover 1 (complete)		257 511		3	Cover 3 (complete)		257 513
	1a	Cover 1	257 503			3a	Cover 3	257 505
	1b	Inlet type handle	251 376			3b	Inlet type handle	251 376
	1c	Stripper	219 393			3c	Stripper	219 393
	1d	Magnet	204 666			3d	Magnet	204 666
2	Cover 2 (complete)		257 512		4	Cover 4 (complete)		257 514
	2a	Cover 2	257 504			4a	Cover 4	257 506
	2b	Inlet type handle	251 376			4b	Inlet type handle	251 376
	2c	Stripper	219 393			4c	Stripper	219 393
	2d	Magnet	204 666			4d	Magnet	204 666
5	Control unit panelling on the left complete		251 235		6	Control unit panelling on the right complete		251 236
	5a	Control unit panelling on the left	251 188			6a	Control unit panelling on the right	251 189
	5b	Side part	244 989			6b	Side part	244 989
	5c	Hinge	250 273			6c	Hinge	250 273
	D 5	Strap	240 412			6 D	Strap	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

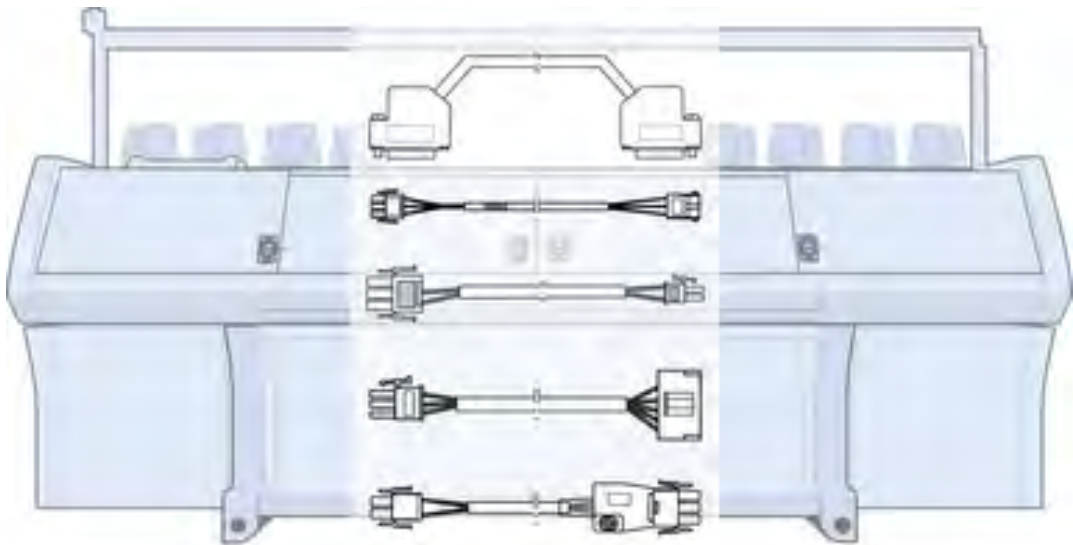


13.3 Rear panel

Pos	Designation	Id		Pos	Designation	Id
1	Panelling at the rear complete	257 669		1a	Panelling	257 663
				1b	Safety sash fastener	243 052

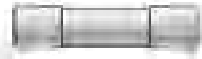


14 Electrical equipment



14.1 Fuses

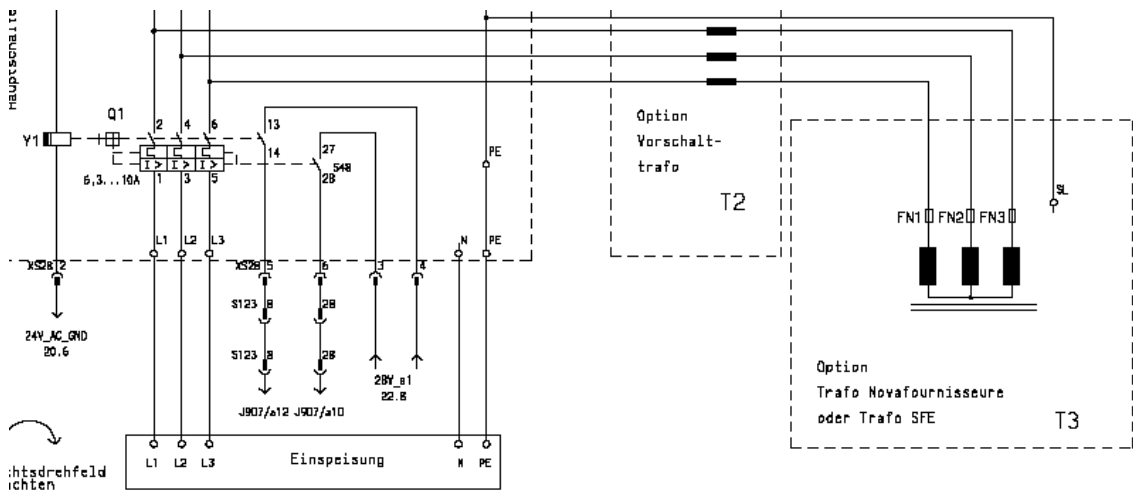
14.1 Fuses

	Designation	Ident No.
	Fuse 1.0A F 5x20	008 748
	Fuse 3.15A T/440V 6.3x32	025 261
	Fuse 10A T/440V 6.3x32	025 258
	Fuse 2.5A T/440V 6.3x32	217 465
	Fuse 1.6A T/440V 6.3x32	236 229
	Fuse 6.3A T/440V 6.3x32	026 809
	Fuse 8A T/440V 6.3x32	241 866
	Fuse 12.5A T/440V 6.3x32	232 367

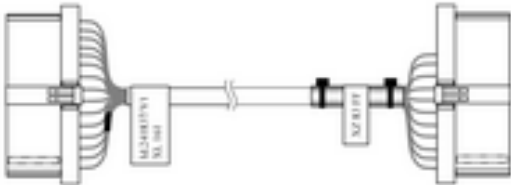
14.2 Circuit diagram (221) as PDF

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

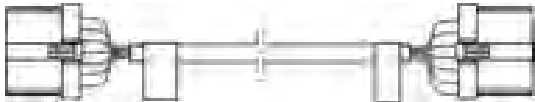
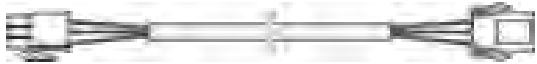
You will find the circuit diagram 221 on the CMS documentation DVD with the ID 257 157



14.3 Trailing cable

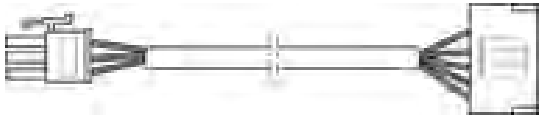
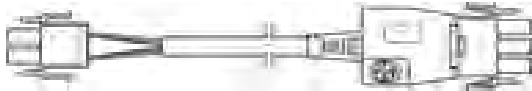
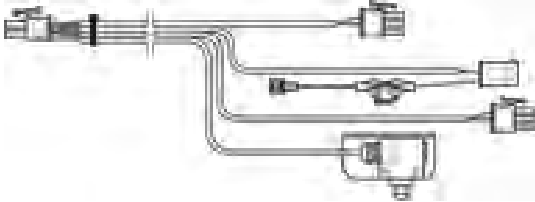
Designation	Id	Designation	Id
Cable impulse giver at the rear XL136 740	243 369	Cable SM at the rear XL325 740	243 372
Cable impulse giver at the front XL137 740	243 370	Cable SM at the front XL327 740	243 374
			
Cable yarn carrier 740	243 371	Cable signal at the rear XL326 740	243 373
		Cable signal at the front XL328 740	243 375
			

14.4 Loom of cables base 1

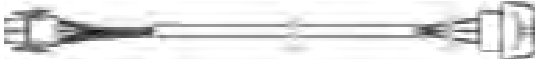
Designation	Id		Designation	Id	
Loom of cables base 1	240 256				
Cable engaging OKC	240 289		Cable mains supply FKE lamp	240 290	
					
Cable protective unit on the left	253 442				
					

14.5 Loom of cables base 2

14.5 Loom of cables base 2

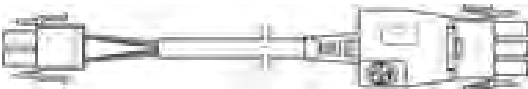
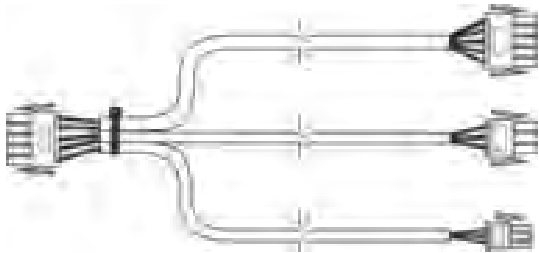
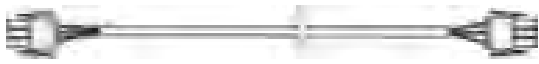
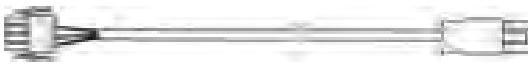
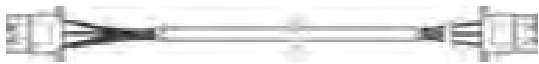
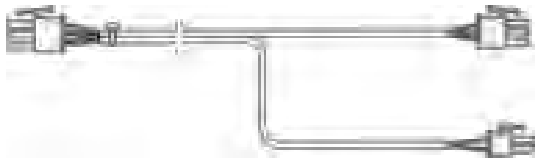
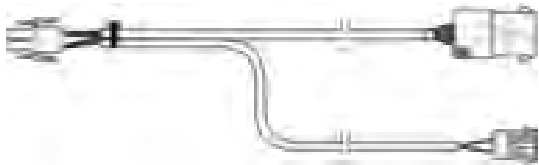
Designation	Id		Designation	Id
Loom of cables base 2	240 257			
Cable motor HAAB	240 291		Cable limit switch racking	240 292
				
Cable ventilator drive	240 293		Cable Feed wheel on the right	240 294
				
Cable Drive motor	240 295		Cable resolver drive	240 296
Cable Racking motor	240 297		Cable resolver racking	240 298
				
Cable protective unit on the right	253 441			
				

14.6 Loom of cables COMB

Designation	Id		Designation	Id	
Loom of cables COMB	240 259				
Cable motor comb hook	240 308		Cable switch KAHA	240 309	
					
Cable motor comb	240 310		Cable switch comb	240 311	
					
Cable switch HAAB	240 312				
					

14.7 Loom of cables 72"

14.7 Loom of cables 72"

Designation	Id	Designation	Id
Loom of cables 72"	240 588		
Cable CAN 72"	240 460	Cable Electro 72"	240 462
			
Cable Feed wheel on the left 72"	240 465	Cable motor HIAB 72"	240 590
			
Cable switch HIAB 72"	240 591	Cable power supply WAZ/F 72"	240 470
			
Cable power supply servo 72"	240 503	Cable power supply unit of mains supply	236 573
			
Cable power supply 72"	240 506	Cable motor HAAB OEF/S 72"	240 610
			
Cable switch HAOS 72"	240 611	Cable switch HIAB pressure motor OKC	240 593
			
Cable HIAB pressure motor OKC	240 592	Cable power supply FLENT 72"	251 242
			

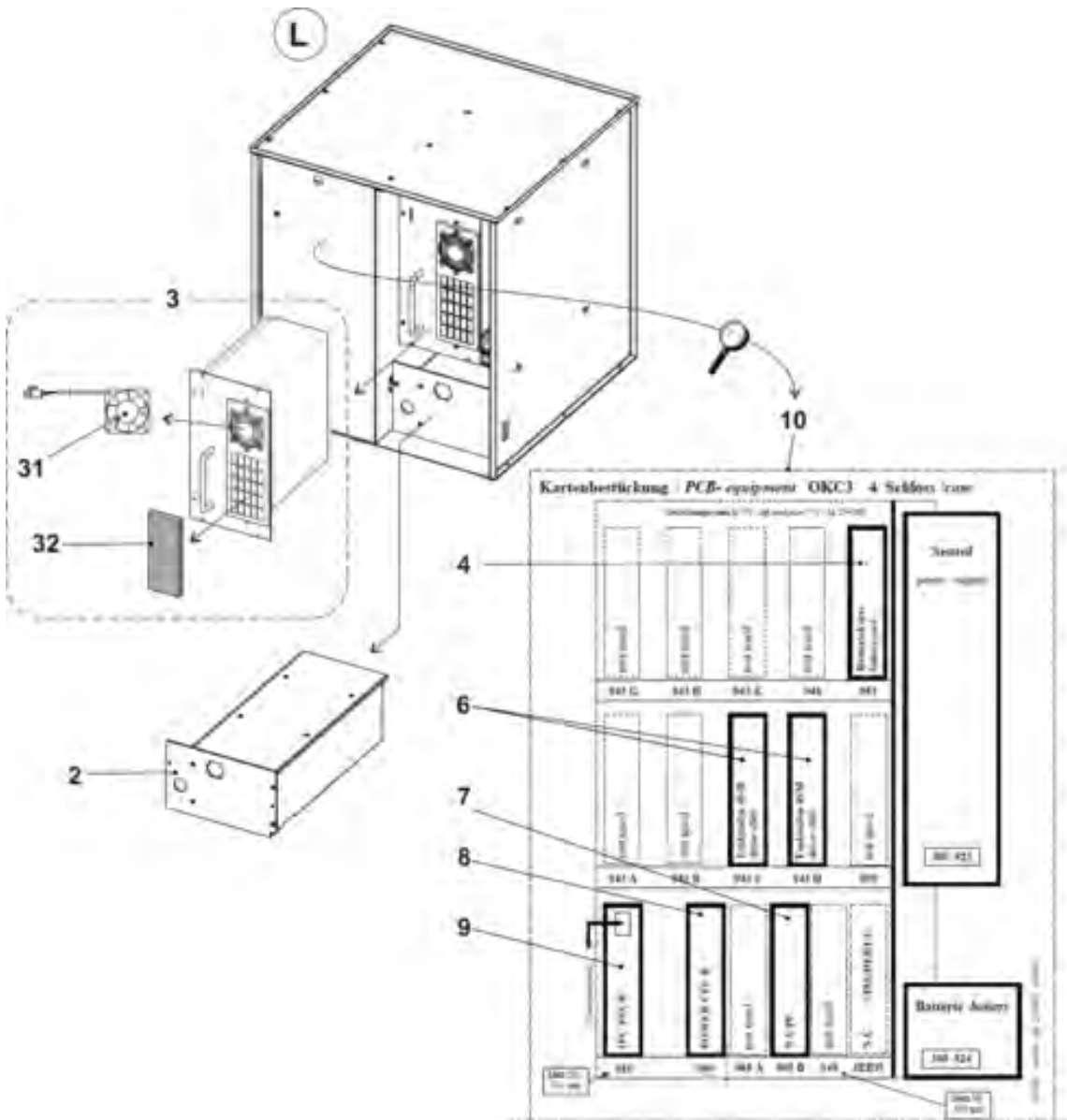
15 Control electronics



15.1 Left control cabinet

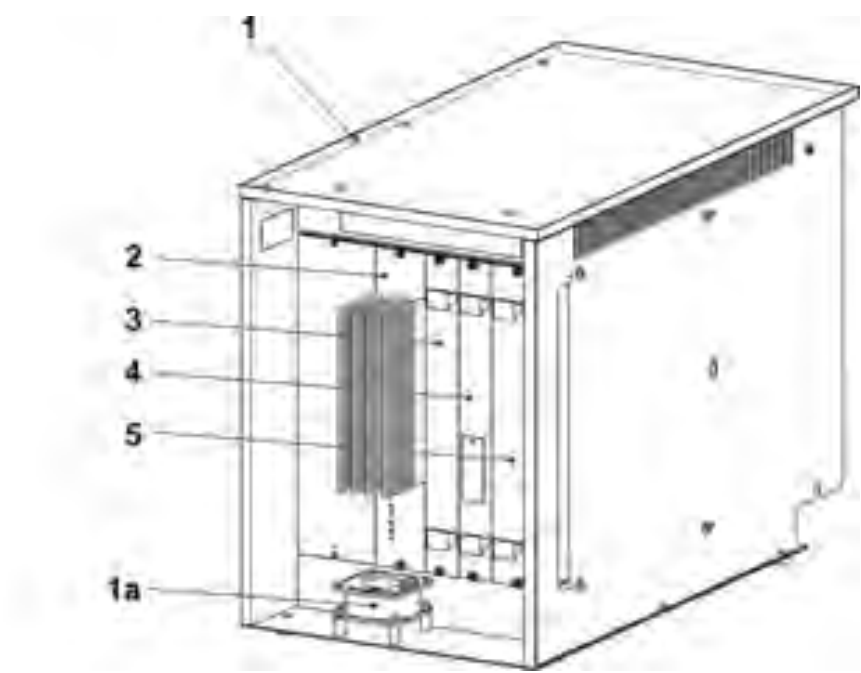
15.1 Left control cabinet

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit on the left complete 740	255 952	4	Battery card	300 951
1	Control unit on the left without equipment	254 868	6	Card amplifier 4SM 7TE	300 943
2	Battery plug-in unit	300 924	7	Card N-CPU 432	300 965
3	Power supply unit CG54	300 923	8	Card power CPU B	301 009
3a	Ventilator power supply unit	239 305	9	Card IPC-P8X S 01	301 010
3b	Filter mat CG54	239 350	10	Adhesive label of card equipment on the left	255 953



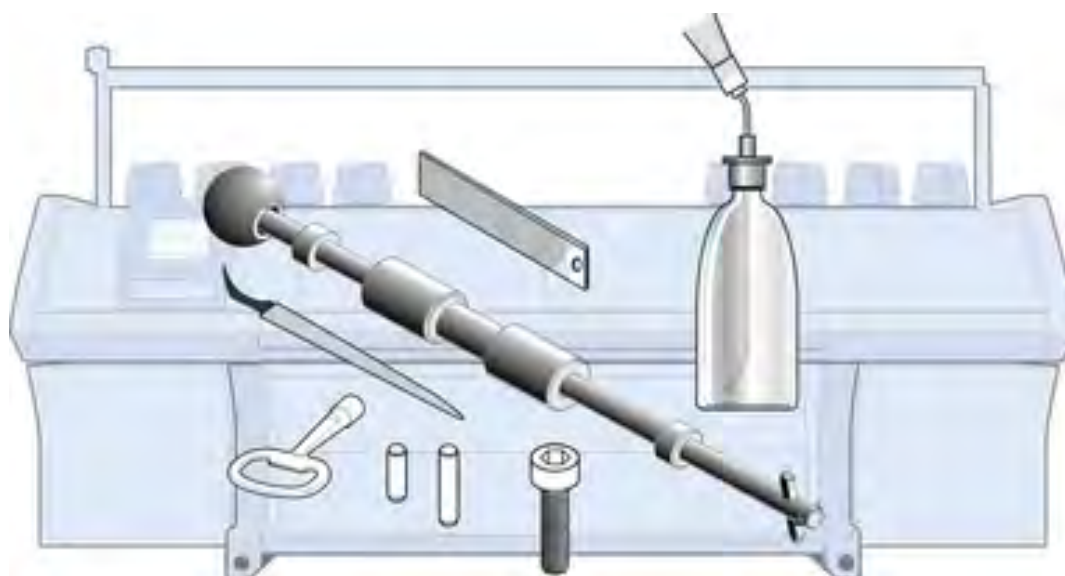
15.2 Right control cabinet

Pos	Designation		Id		Pos	Designation	Id
Σ	Control unit on the right complete 2A		238 738				
1	Control unit on the right without equipment		238 737		3	Card relay	300 953
	1a	Axial ventilator Servo05	229 059		4	Card CWAZ	300 929
2	Card servo 6		301 000		5	Card CWAZ capacitor	300 936



Notes:

16 Deliverable accessories

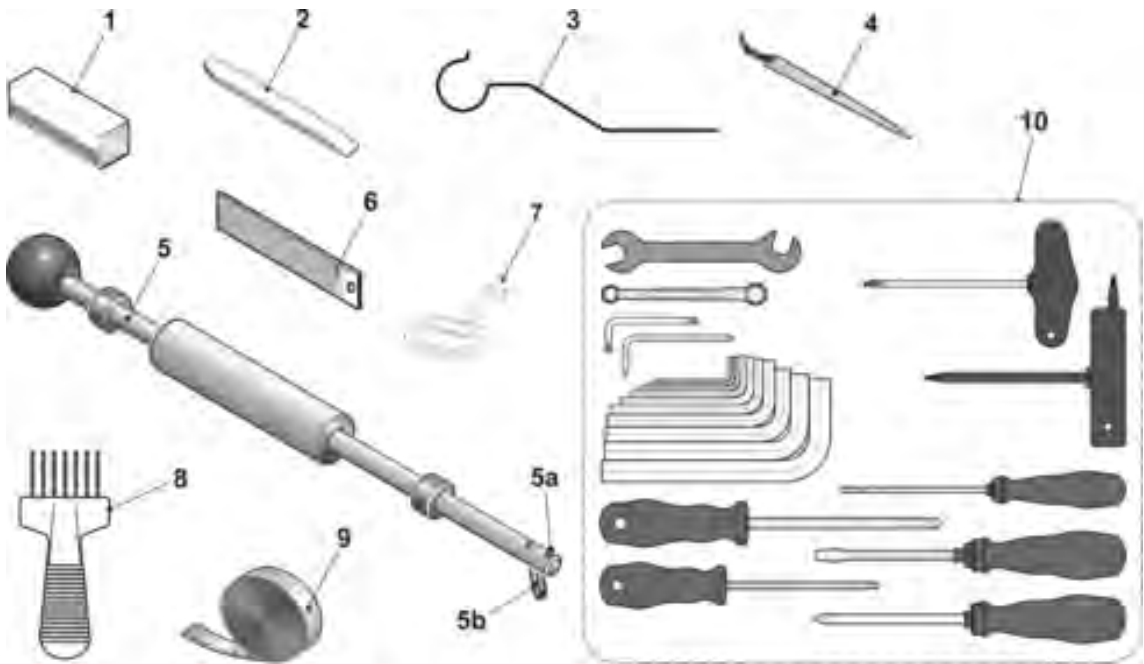


You can order the following tools, lubricants and expendables.
The following list does not correspond to the scope of delivery of the knitting machine.

16.1 Tool

16.1 Tool

Pos	Designation	Ident No.	Pos	Designation	Ident No.
1	Channel support E4	062 309	6	Groove file 0,45mm E16-18	006 169
	Channel support E5, E2,5.2	062 310		Groove file 1.25 mm E5-8, E3,5.2	006 170
	Channel support E7, E3,5.2	062 312		Groove file 0,90mm E10-12, E5.2 6.2	006 175
	Channel support E8	062 313		Groove file 0.73 mm E14, E7.2	006 173
	Channel support E10, E5.2	062 314		Groove file 0.45 mm E16-18, E9.2	006 179
	Channel support E12, E6.2	062 315	7	Key of switch cabinet	009 346
	Channel support E14, E7.2	218 069	8	Groove cleaner E4	031 232
	Channel support E16, E8.2	230 188		Groove cleaner E5	031 233
	Channel support E18, E9.2	230 189		Groove cleaner E6	031 234
	Channel support E20	230 190		Groove cleaner E7, E3,5.2	031 235
2	Channel chisel E14-20 (E5-14)	062 316		Groove cleaner E8	031 236
	Channel chisel E4-8 (E3,5.2)	062 317		Groove cleaner E10 (E5.2)	031 238
	Channel chisel E10-14	062 318		Groove cleaner E12 (E6.2)	031 240
3	Yarn guide on the left	227 071		Groove cleaner E14 (E7.2)	031 242
	Yarn guide on the right	227 070		Groove cleaner E16	225 111
4	Working hook	227 249		Groove cleaner E18 (E9.2)	225 112
5	Extraction hook	232 027		Groove cleaner E20	225 113
	5a Small pin	202 843	9	Measuring tape L=150 cm	228 180
	5b Pin	232 022	10	Tool kit	209 527



16.2 Lubricating stuff

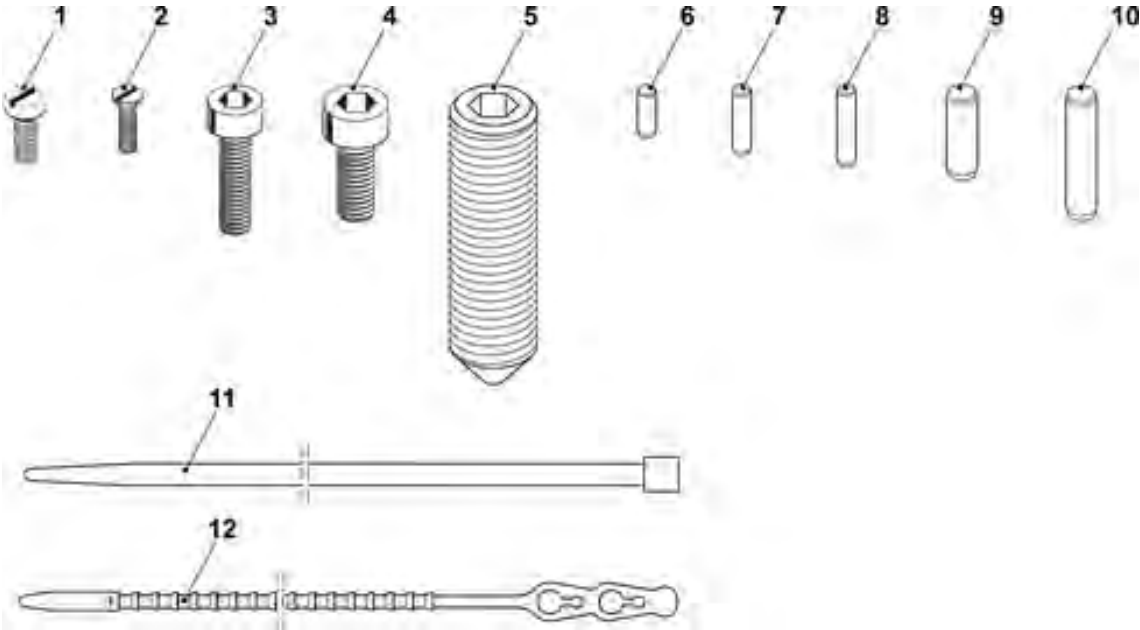
Pos	Designation	Ident No.		Pos	Designation	Ident No.
1	Textile machines oil T46, 1l	230 614		4	Oil combifix	216 732
2	Grease OKS 475, 1kg	009 200		5	White grease paste OKS270	229 372
3	Grease OKS 475, 150g	005 351		6	Grease Staburags NBU 12/300KP	231 191



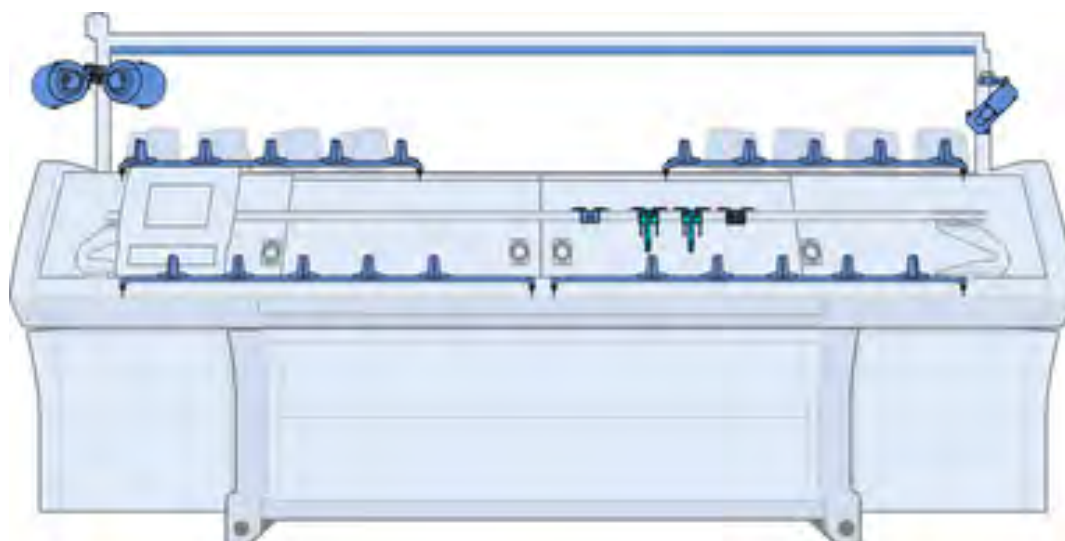
16.3 Mechanical parts

16.3 Mechanical parts

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



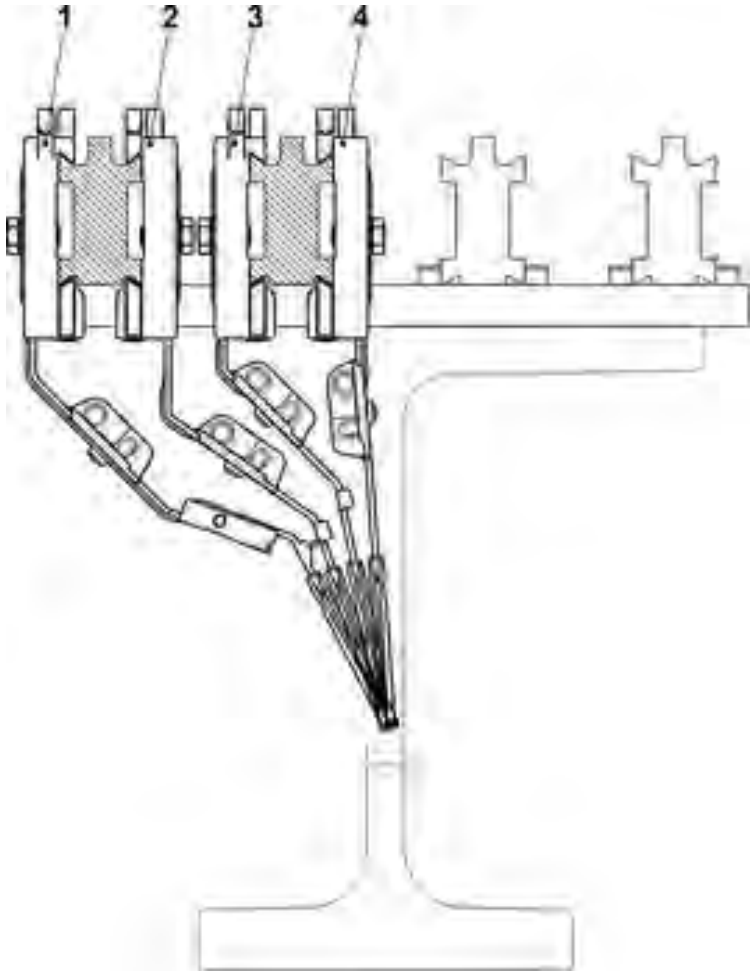
17 Special attachments



17.1 Complete yarn carriers

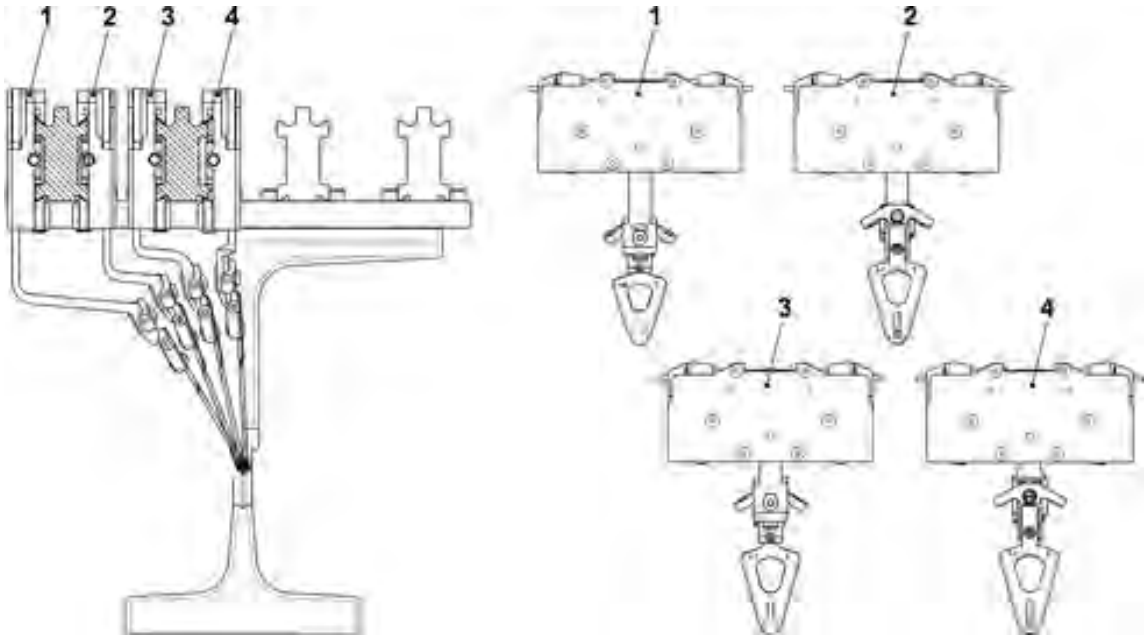
17.1 Complete yarn carriers

Pos	Designation	Track	Id		Pos	Designation	Track	Id
E5 + E5m.4 + E7m.5 + E2,5.2 + E3,5.2 + E5.2					E10 + E12 + E14 + E10m.12 + E12m.10 + E7.2			
1	YC carriage complete E5	1+8	243 935		1	YC carriage complete E10-14	1+8	243 943
2	YC carriage complete E5	2+7	243 934		2	YC carriage complete E10-14	2+7	243 942
3	YC carriage complete E5	3+6	243 933		3	YC carriage complete E10-14	3+6	243 941
4	YC carriage complete E5	4+5	243 932		4	YC carriage complete E10-14	4+5	243 940
E7 + E8 + E6.2 + E7m.8 + E8m.7					E16 + E18 + E8.2			
1	YC carriage complete E7-8	1+8	243 939		1	YC carriage complete E16-18	1+8	243 947
2	YC carriage complete E7-8	2+7	243 938		2	YC carriage complete E16-18	2+7	243 946
3	YC carriage complete E7-8	3+6	243 937		3	YC carriage complete E16-18	3+6	243 945
4	YC carriage complete E7-8	4+5	243 936		4	YC carriage complete E16-18	4+5	243 944



17.2 Complete intarsia yarn carriers type 1

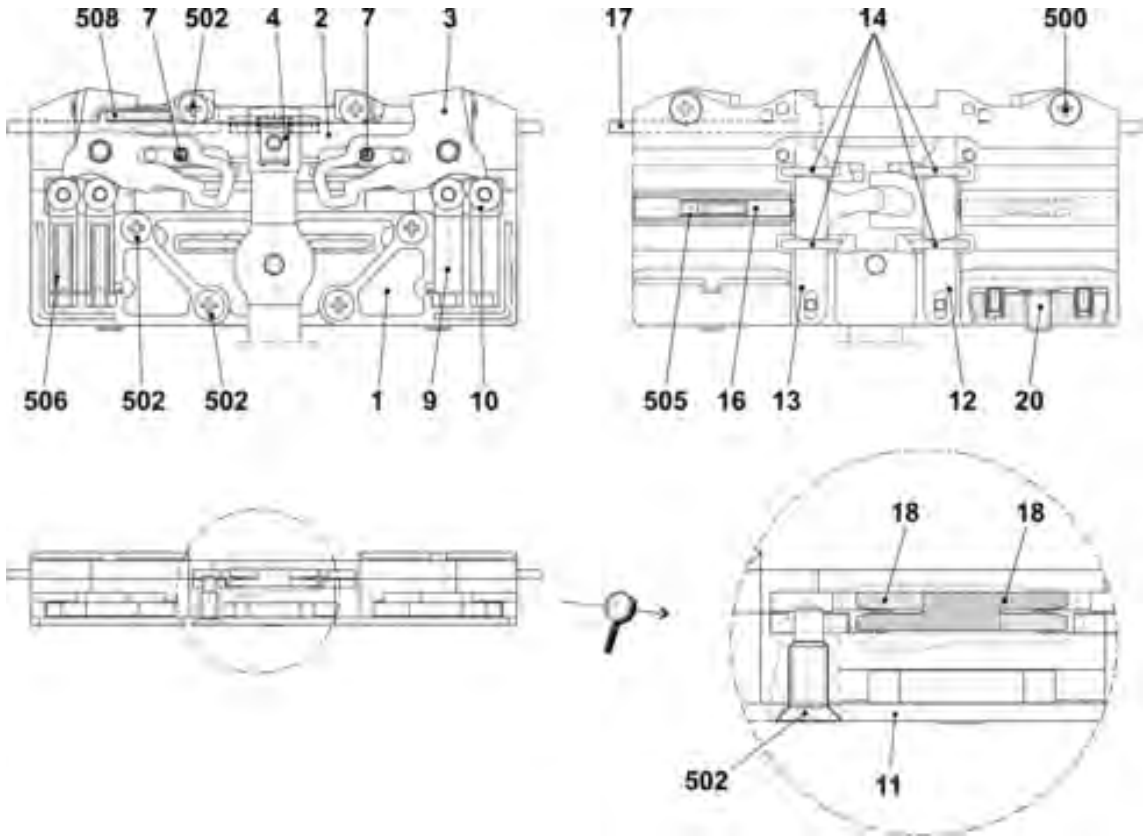
Designation	Gauge	Track	Pos	Id		Designation	Gauge	Track	Pos	Id
IFF carriage complete	E2,5.2	1 + 8	1	212 974		IFF carriage complete	E2,5.2	3 + 6	3	212 980
		2 + 7	2	212 977				4 + 5	4	212 983



17.2 Complete intarsia yarn carriers type 1

17.2.1 Carriage IYC

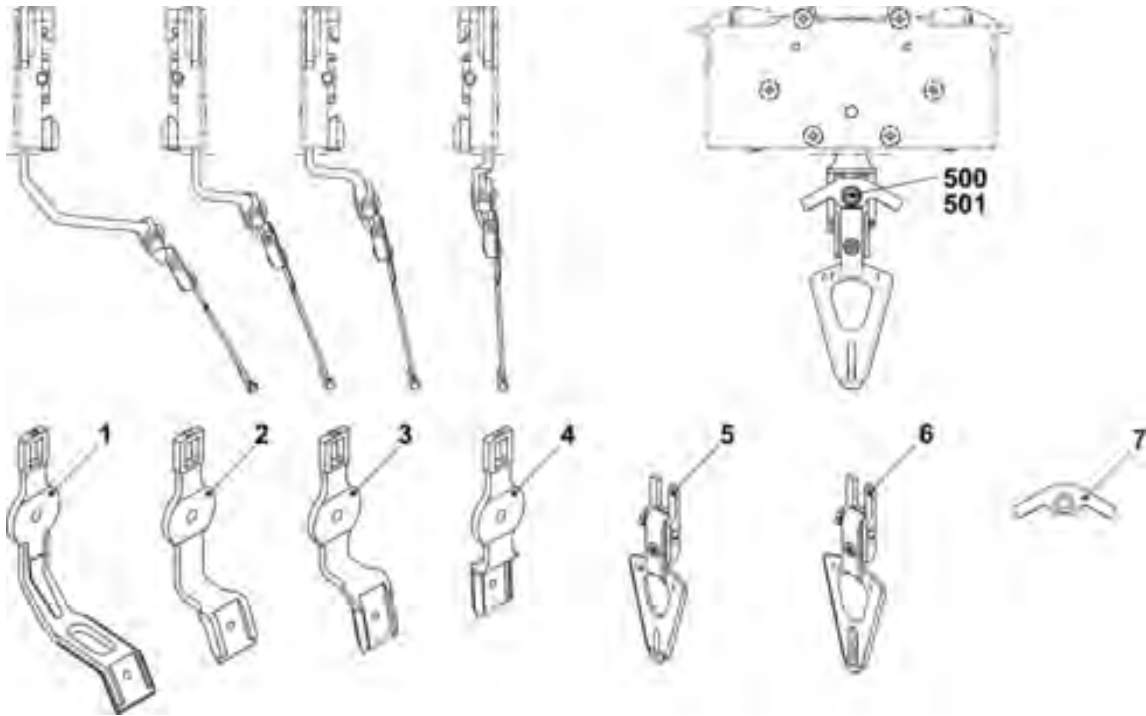
Pos	Designation	Id		Pos	Designation	Id
1	Basic plate complete	216 031		14	Pressure plate 2.04	201 654
	20 Threaded bolt	213 399			Pressure plate 2.06	208 924
2	Slider complete	217 170			Pressure plate 2.02	235 740
3	Locking bar	212 508		16	Spring pin	201 677
4	Sliding block	213 807		17	Lifter	212 547
7	Locating pin 3.3	212 504		18	Sliding part	212 543
	Locating pin 3.4	212 505		20	Threaded bolt	213 399
	Locating pin 3.5	212 506		500	Countersunk head screw M4x6	022 994
9	Pressure piece	212 773		502	Countersunk head screw M4x12.5	022 979
10	Pressure roller	212 774		505	Compression spring 0.4x3.2x26.5	022 982
11	Cover	212 507		506	Compression spring 4.0x0.7x25	022 969
12	Clamping lever on the right	216 087		508	Compression spring 2.8x0.35x19	023 394
13	Clamping lever on the left	216 0 88				



17.2.2 Bow and head IYC

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

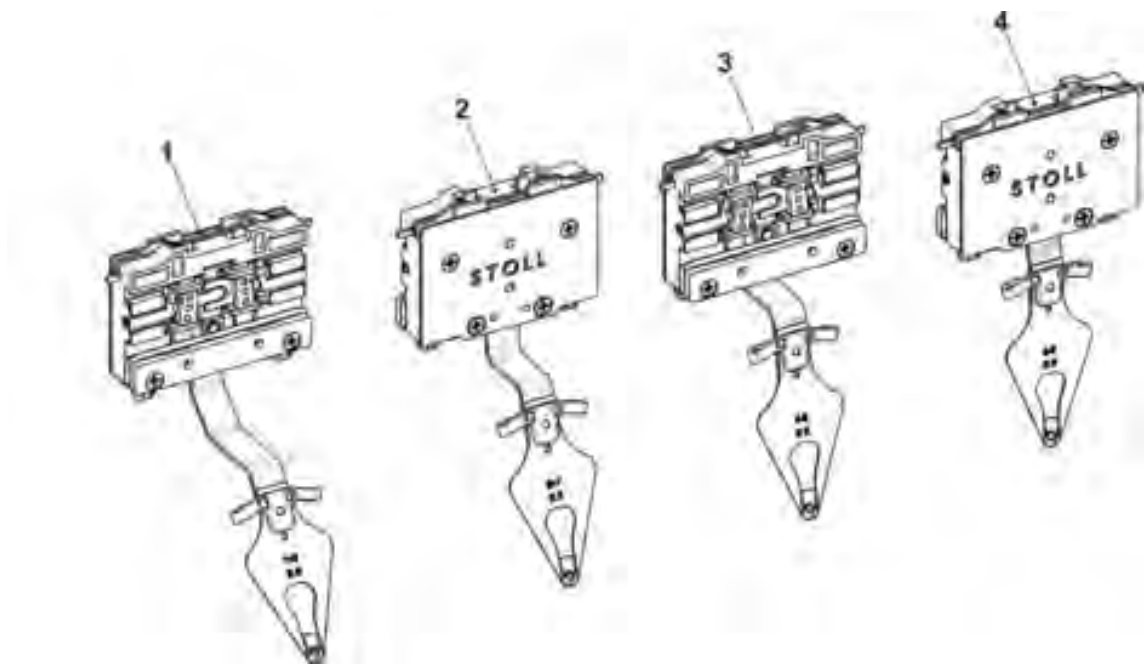
Pos	Designation	Gauge	Track	Id		Pos	Designation	Gauge	Track	Id
5	YC head	E 3,5.2	1 + 8	208 579		6	YC head	E 3,5.2	2 + 7 3 + 6 4 + 5	208 581



17.3 Complete intarsia yarn carriers type 2

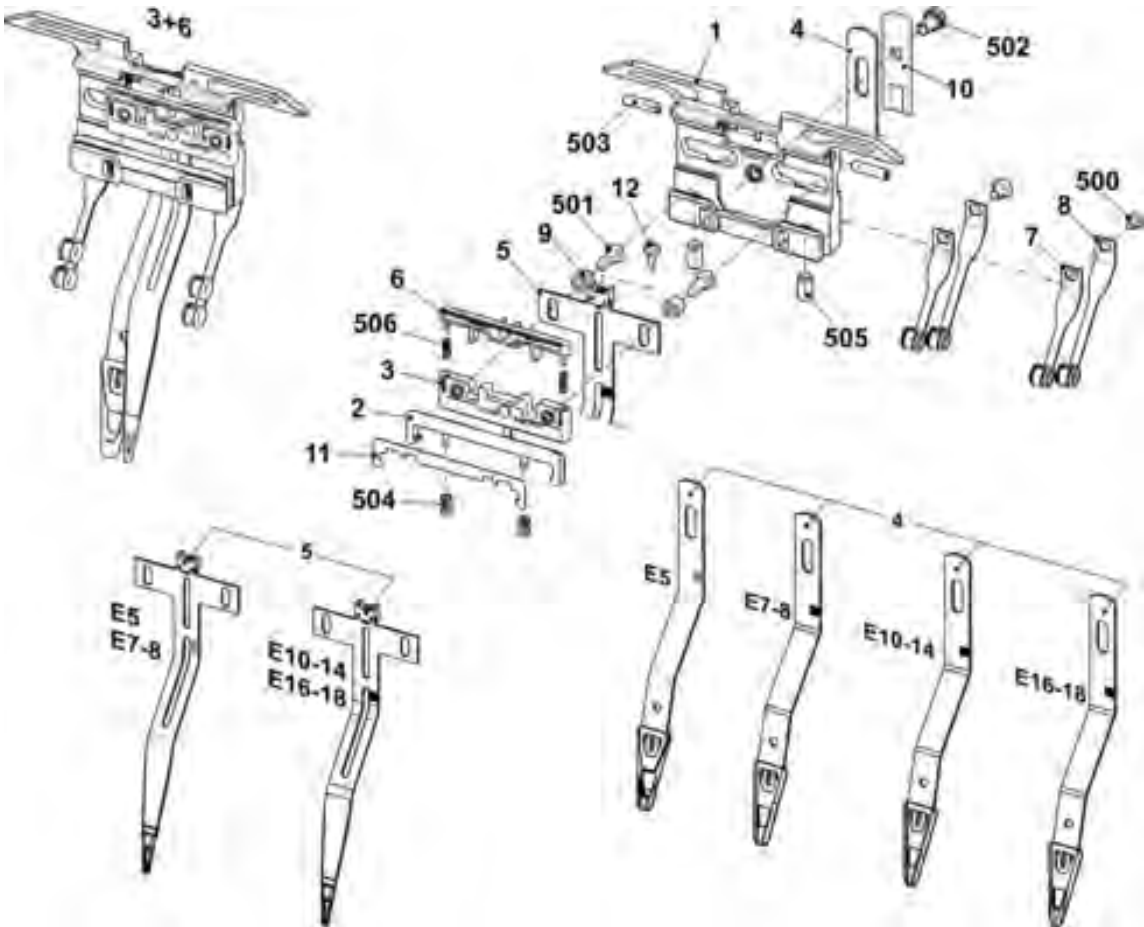
17.3 Complete intarsia yarn carriers type 2

Designation	Gauge	Track	Pos	Id		Designation	Gauge	Track	Pos	Id
IYC carriage complete	E5 E3,5.2 E5.2	1 8	1	250 319		IYC carriage complete	E10 E12 E14 E7.2	1 8	1	250 327
		2 7	2	250 320				2 7	2	250 328
		3 6	3	250 321				3 6	3	250 329
		4 5	4	250 322				4 5	4	250 330
	E7 E8 E6.2	1 8	1	250 323			E16 E18	1 8	1	250 331
		2 7	2	250 324				2 7	2	250 332
		3 6	3	250 325				3 6	3	250 333
		4 5	4	250 326				4 5	4	250 334



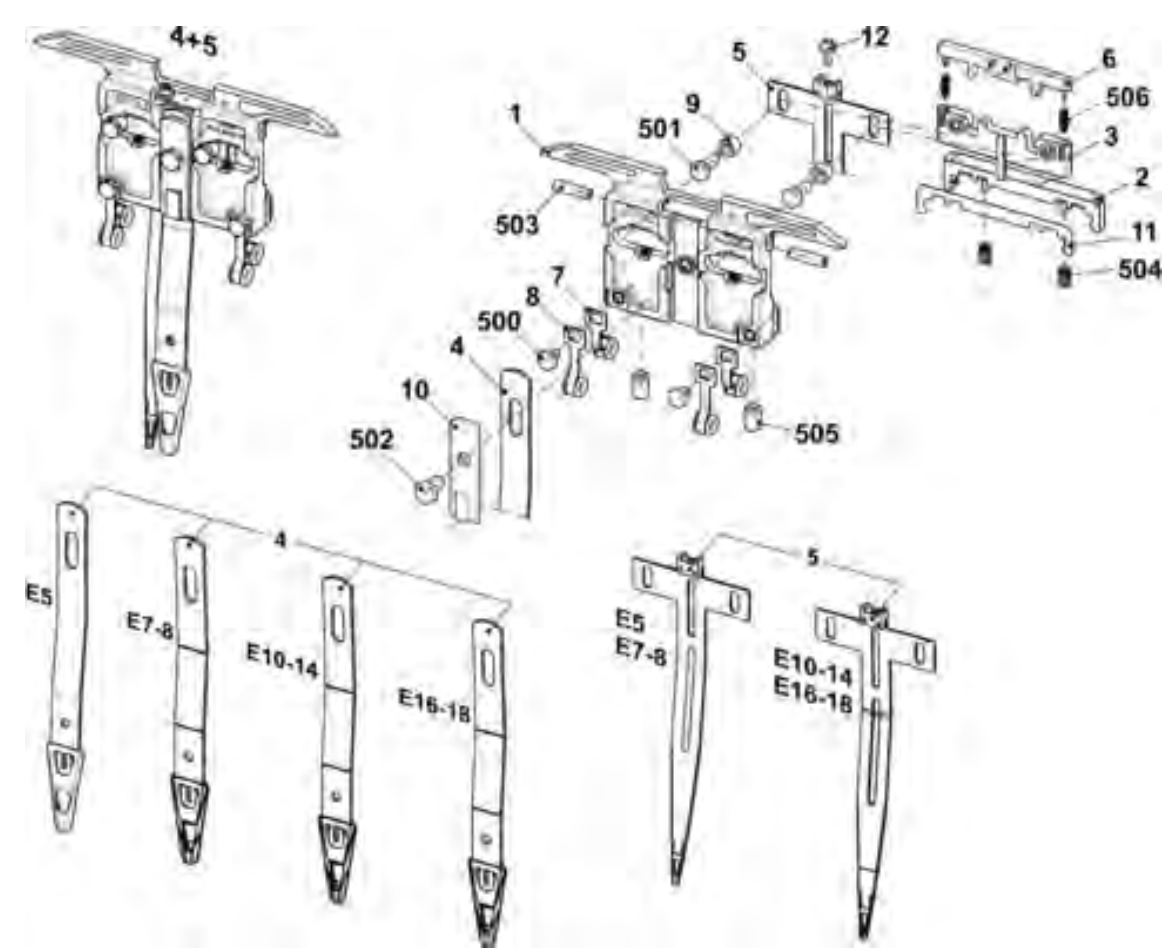
17.4 Plating yarn carrier 3+6

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 3+6 complete				
	E5 (E3,5.2 E5.2)	252 782	6	Sliding piece	252 797
	E7-8 (E6.2)	252 784	7	Eyelet holder complete	252 825
	E10-14 (E7.2 E8.2)	252 786	8	Eyelet holder complete	252 824
	E16-18 (E9.2)	252 788	9	Distance bushing	252 796
1	Plating yarn carrier carriage	252 806	10	Shim 0,03x11x80	213 035
2	Sliding piece	212 583	11	Shim 0,03x11x80	216 143
3	Slider	252 798	12	Adjusting screw	253 436
4	Plating yarn carrier bow 3+6		500	Hexagon screw M4x5	243 779
	E5 (E3,5.2 E5.2)	252 820	501	Hexagon screw M4x10	020 346
	E7-8 (E6.2)	252 821	502	Hexagon screw	252 832
	E10-14 (E7.2 E8.2)	252 822	503	Set screw M4x16	254 196
	E16-18 (E9.2)	252 823	504	Compression spring	021 399
5	Plating yarn carrier bow 3+6 E5-8	252 800	505	Threaded bolt	213 399
	Plating yarn carrier bow 3+6 E10-18	252 808	506	Compression spring	253 058



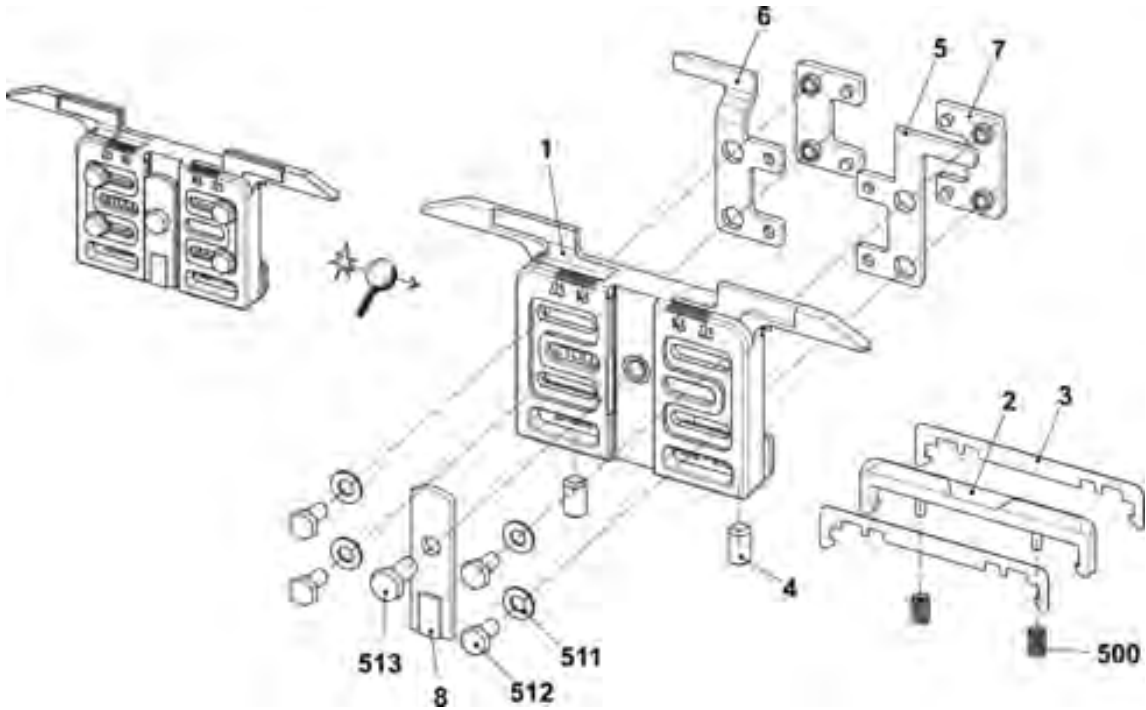
17.5 Plating yarn carrier 4+5

Pos	Designation	Id		Pos	Designation	Id
Σ	Plating yarn carrier carriage 4+5 complete					
	E5 (E3,5.2 E5.2)	252 781		6	Sliding piece	252 797
	E7-8 (E6.2)	252 783		7	Eyelet holder complete	252 815
	E10-14 (E7.2 E8.2)	252 785		8	Eyelet holder complete	252 816
	E16-18 (E9.2)	252 787		9	Distance bushing	252 796
1	Plating yarn carrier carriage	252 806		10	Shim 0,03x11x80	213 035
2	Sliding piece	212 583		11	Shim 0,03x11x80	216 143
3	Slider	252 798		12	Adjusting screw	253 436
4	Plating yarn carrier bow 4+5			500	Hexagon screw M4x5	243 779
	E5 (E3,5.2 E5.2)	252 790		501	Hexagon screw M4x10	020 346
	E7-8 (E6.2)	252 791		502	Hexagon screw	252 832
	E10-14 (E7.2 E8.2)	252 792		503	Set screw M4x16	254 196
	E16-18 (E9.2)	252 793		504	Compression spring	021 399
5	Plating yarn carrier bow 4+5 E5-8	252 799		505	Threaded bolt	213 399
	Plating yarn carrier bow 4+5 E10-18	252 807		506	Compression spring	253 058



17.6 Carriage of plating yarn carrier (adjustable)

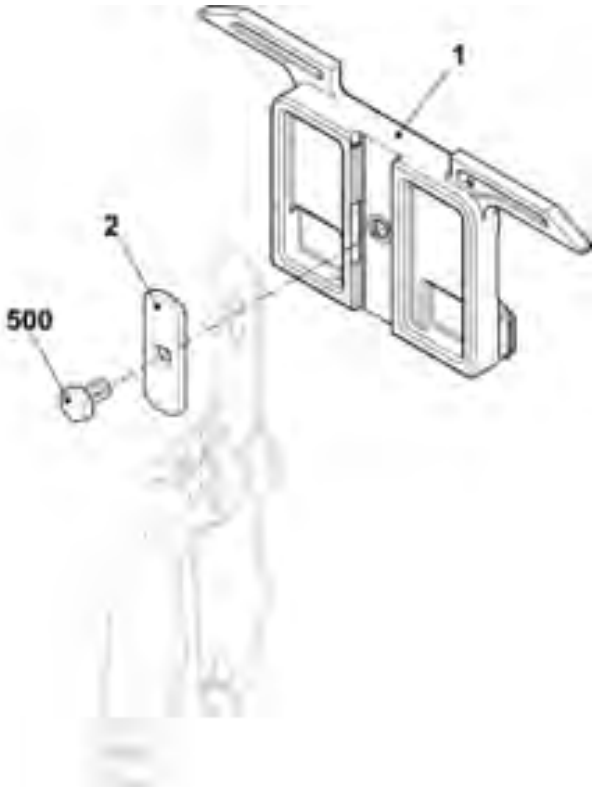
Pos	Designation	Ident No.	Pos	Designation	Ident No.
Σ	Plating yarn carrier carriage complete	251 867			
1	Carriage of yarn carrier	251 864	7	Guiding part	253 226
2	Sliding piece	212 583	8	Shim 0,03x11x80	213 035
3	Shim 0,03x11x80	216 143	500	Compression spring	021 399
4	Threaded bolt	213 399	511	U-washer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



17.7 Carriage of plating yarn carrier (46 mm)

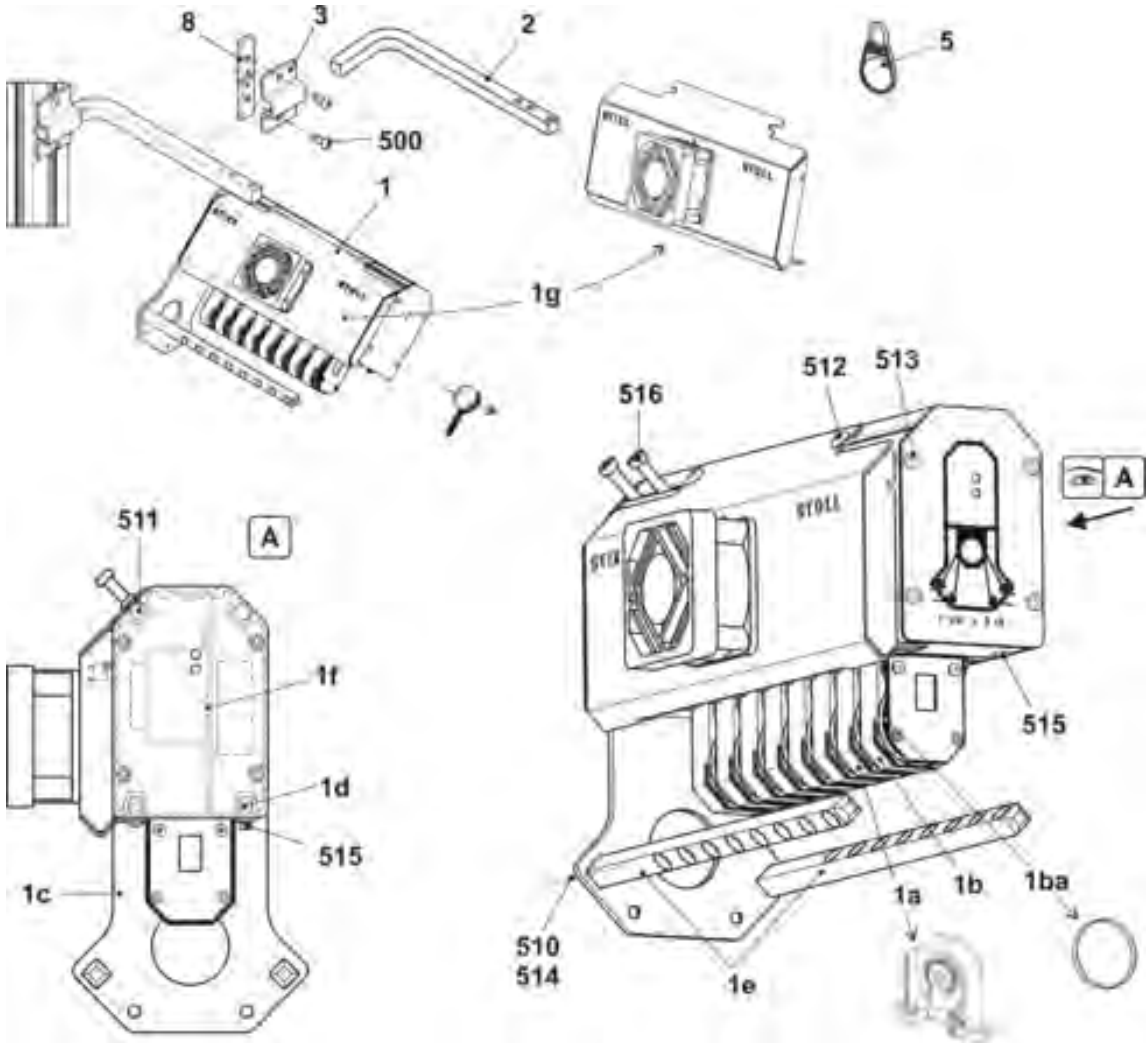
17.7 Carriage of plating yarn carrier (46 mm)

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



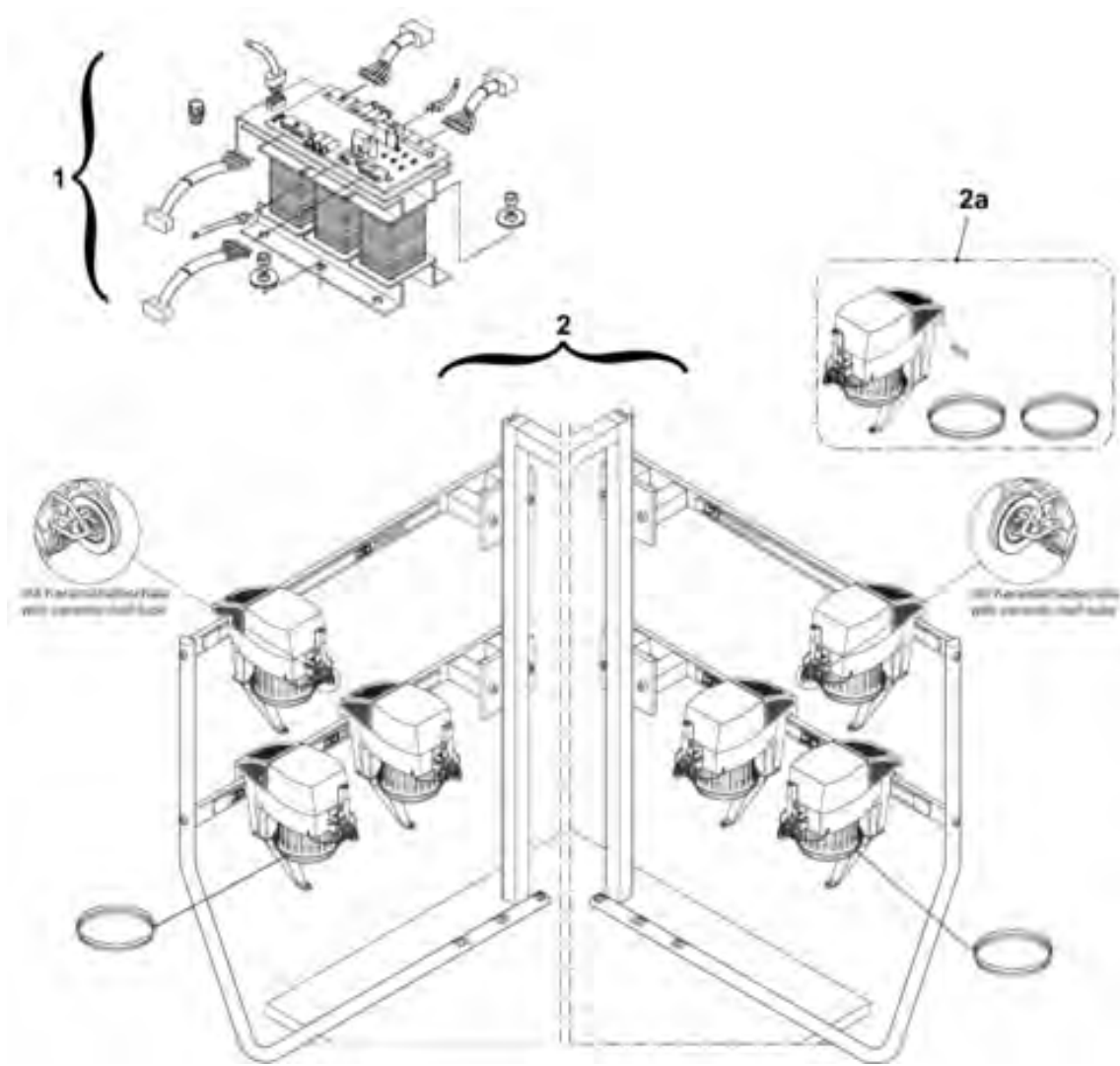
17.8 STIXX device

Pos	Designation	Id	Pos	Designation	Id
Σ	STIXX device	228 943	511	Spring nut M5	022 873
1	Yarn length measuring device	236 275	512	Pan-head screw M5x6	023 246
	1a	Sensor	513	Sheet metal screw ST3.5x13	022 940
	1b	Sensor complete	514	Spring washer A5	022 454
	1ba	Rubber running ring	515	Oval head screw with washer M3x10	023 380
	1c	Support	516	Cap screw M5X22	023 193
	1d	Threaded strip	2	Support	223 029
	1e	Yarn guide rod	3	Clamp	228 583
	1f	Card STIXX-CPU	5	Adjustment weight	212 241
	1g	Fan complete	8	Threaded strip	200 223
	510	Pan-head screw M5x10	500	Countersunk screw M8x16	023 113



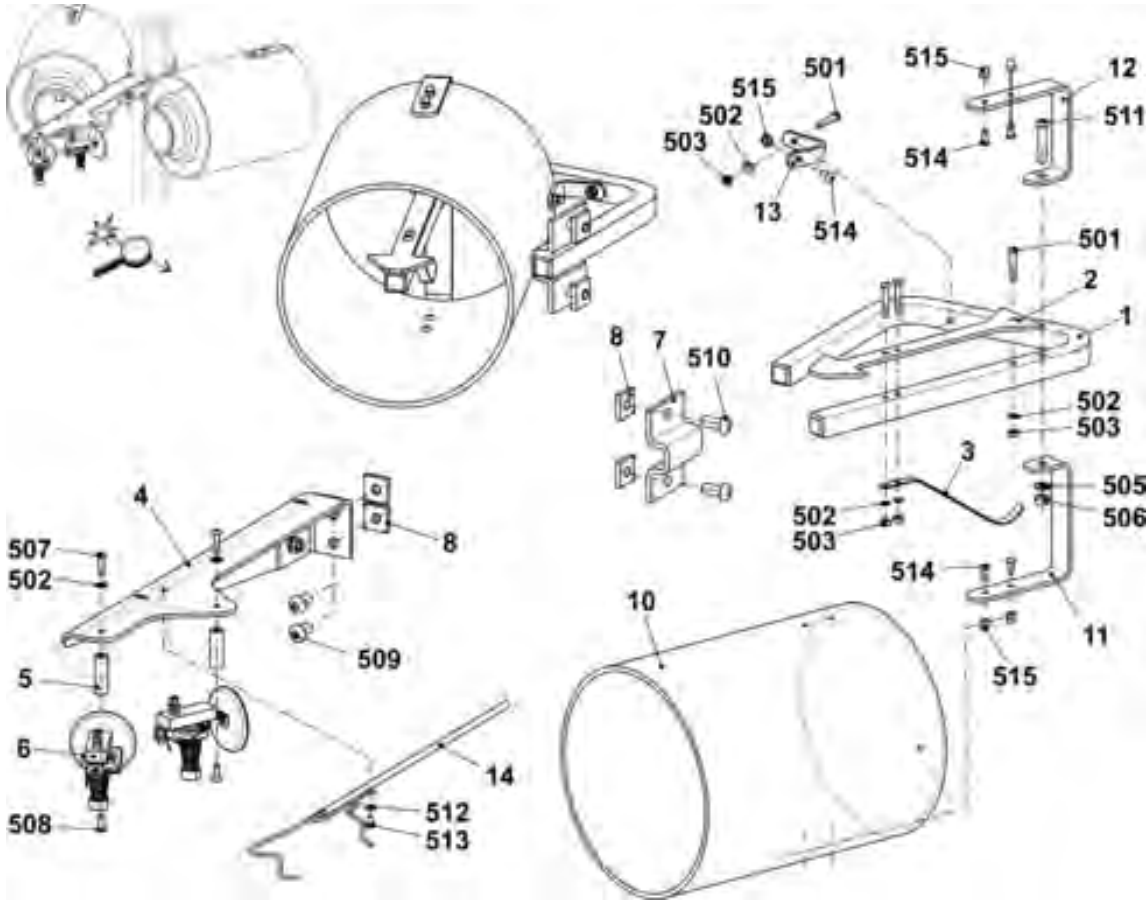
17.9 Feed wheel SFE

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



17.10 Bobbin holder on the left

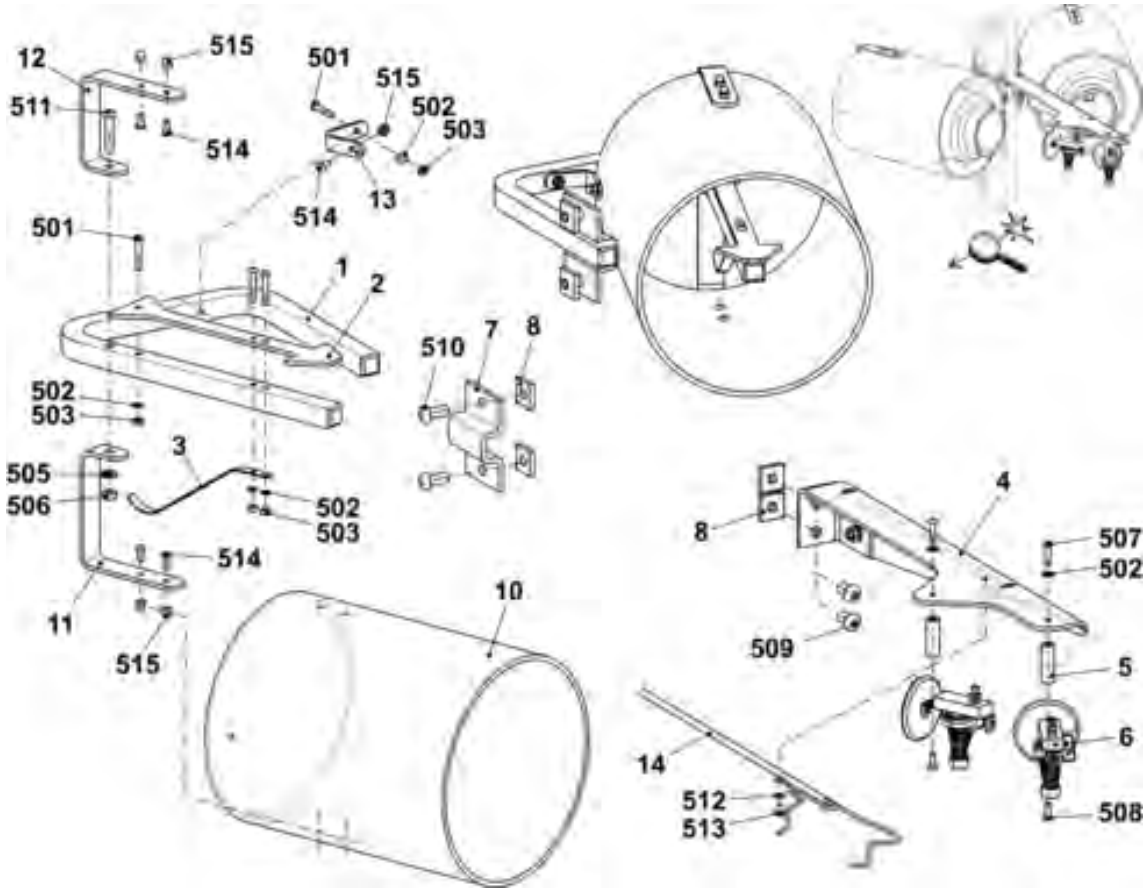
Pos	Designation	Id	Pos	Designation	Id
Σ	Bobbin holder on the left	253 965	501	Countersunk screw M4x25	023 511
1	Support	253 969	502	U-washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	U-washer 6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899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



17.11 Bobbin holder on the right

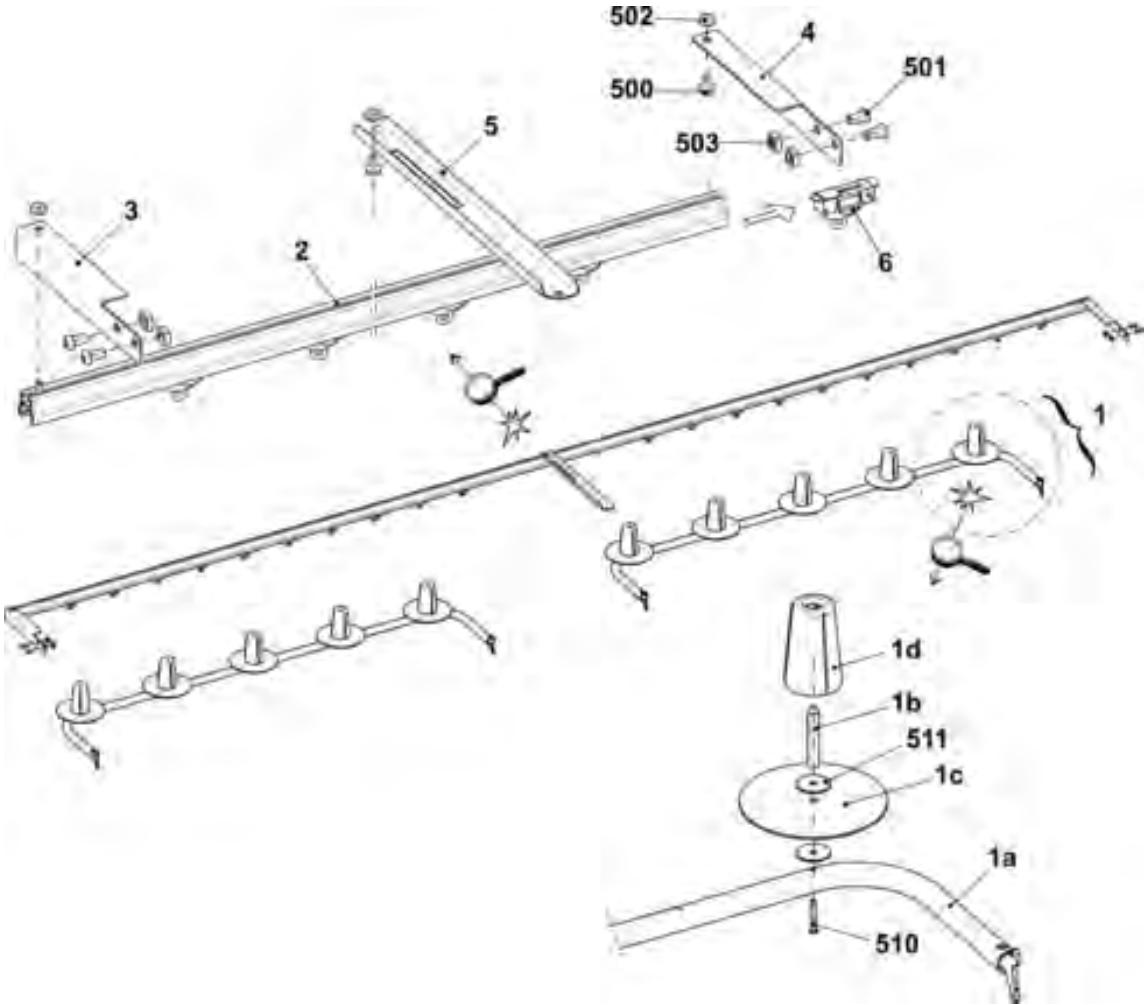
17.11 Bobbin holder on the right

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



17.12 Additional board retrofit kit

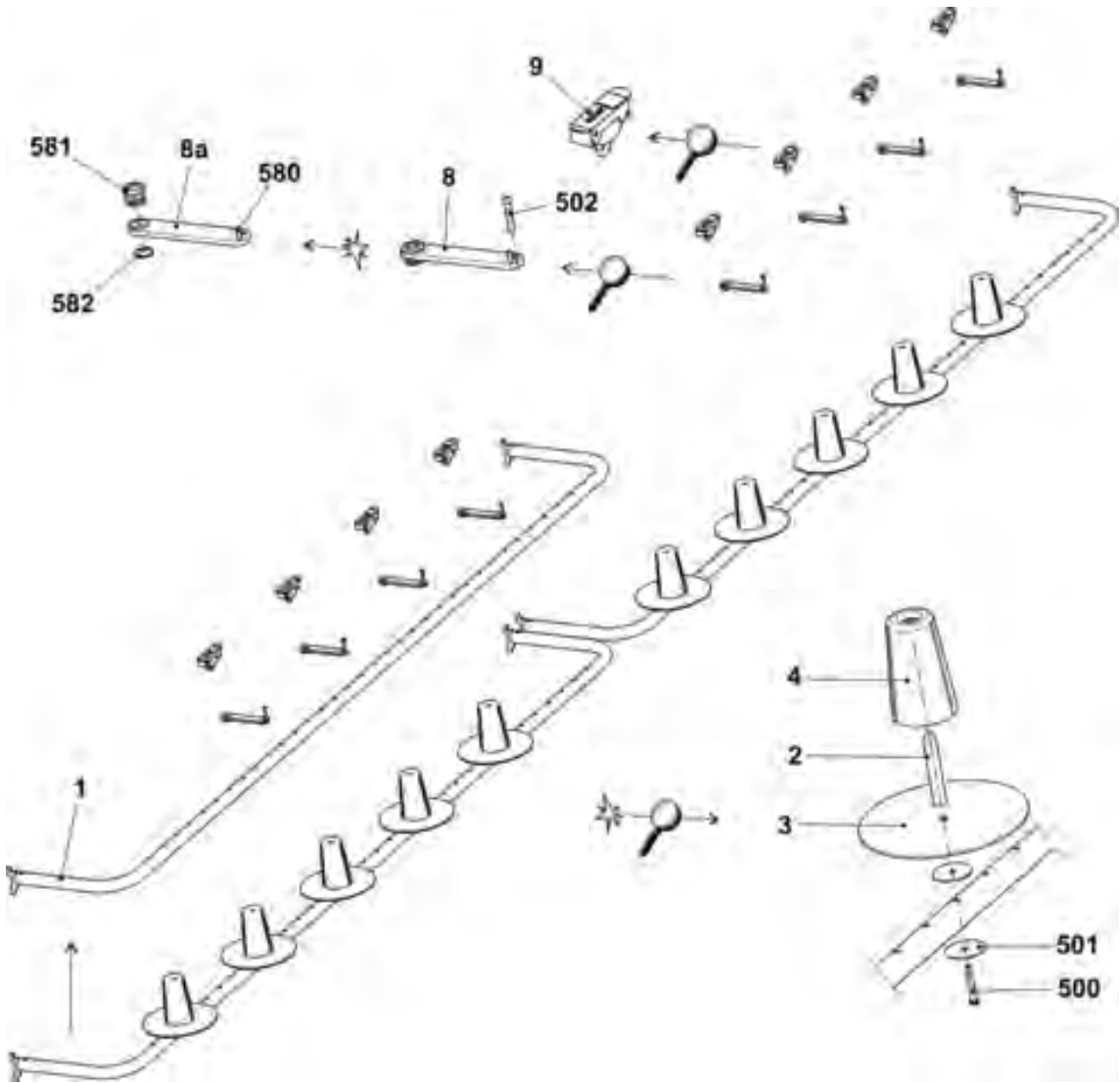
Pos	Designation		ID No.		Pos	Designation		ID No.
Σ	Additional board retrofit kit 7XX		243 777					
1	Additional board 7XX/8XX		241 928		3	Support on the left		243 602
	A1	Additional bobbin board welded	241 927		4	Support on the right		243 603
	1b	Positioning pin	202 777		5	Support		239 295
	1c	Disc D=130	062 385		6	Yarn guide bracket complete		241 581
	1d	Bobbin support	200 363		500	Self-locking screw M6x12		023 415
	510	Pan-head screw M4x30	023 681		501	Pan-head screw M8x16		023 113
	511	Washer 5.3x30x1.25	023 556		502	Ribbed lock washer M6-10		023 414
2	Yarn guide bar 72"		228 596		503	Square nut M8		023 269



17.13 Additional board at the bottom

17.13 Additional board at the bottom

Pos	Designation	ID No.		Pos	Designation	ID No.	
Σ	Additional board 7XX at the bottom	253 645		502	Pan-head screw M4x25	023 511	
1	Additional bobbin board welded	253 470		8	Yarn guide		243 765
2	Positioning pin	202 777			A8	Guiding part	243 623
3	Disc D=130	062 385			580	Setting pin 3x12	020 647
4	Bobbin support	200 363			581	Eyelet 8	021 504
500	Pan-head screw M4x30	023 681			582	Snap ring A12	020 996
501	Washer 5.3x30x1.25	023 556					
				9	Yarn guide bracket complete		241 581



18 Conversion kit with 32 and 24 IFF Type 2

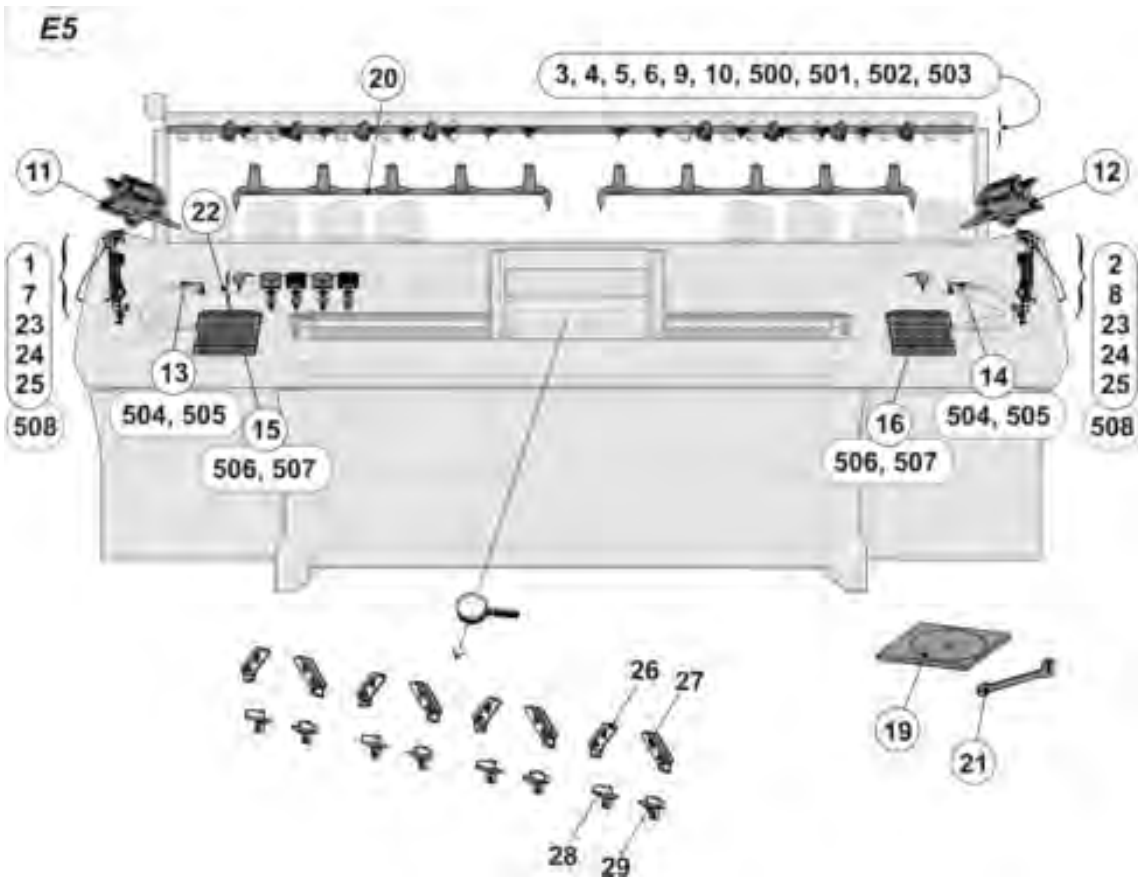
	Designation	Id
32 IFF	Conversion kit 32 IFF E5 E2,5.2 E3,5.2 E5.2	257 928
	Conversion kit 32 IFF E7 E8	257 929
	Conversion kit 32 IFF E10 E12 E14 E7.2	257 930
	Conversion kit 32 IFF E6.2	257 931
	Conversion kit 32 IFF E16 E18	257 932
24 IFF	Conversion kit 24 IFF E5 E2,5.2 E3,5.2 E5.2	257 933
	Conversion kit 24 IFF E7 E8	257 934
	Conversion kit 24 IFF E10 E12 E14 E7.2	257 935
	Conversion kit 24 IFF E6.2	257 936
	Conversion kit 24 IFF E16 E18	257 937



18.1 Overview of conversion kit E5 (32 IFF)

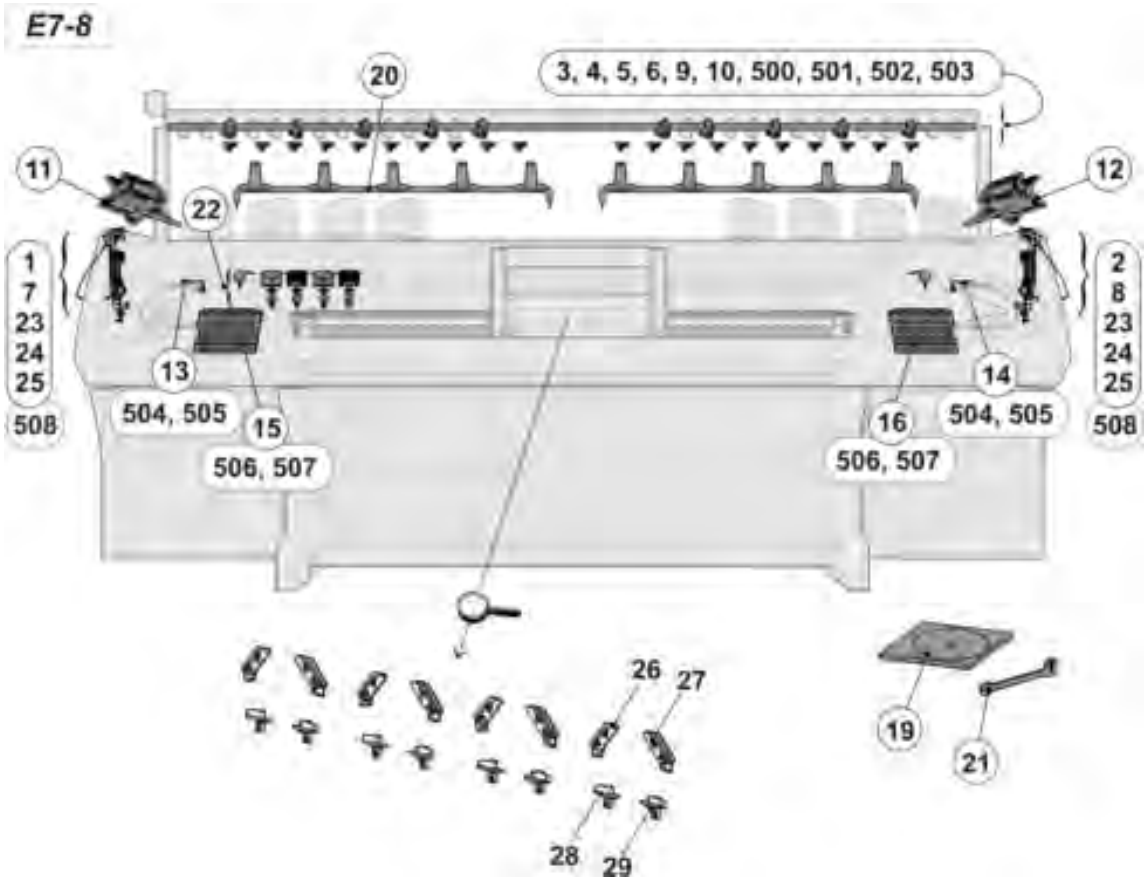
18.1 Overview of conversion kit E5 (32 IFF)

Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 32 IFF E5	257 928			
1	Yarn tensioner on the left complete E5	244 498	21	Adjusting part for yarn carrier bow	250 119
2	Yarn tensioner on the right complete E5	244 501	22	Yarn guide complete E5 IYC	245 161
3	Yarn guide rail 72"	228 596	23	Yarn brake complete	244 347
4	Support on the left	243 602	24	Clamping bow	244 409
5	Support on the right	243 603	25	Ceramic eyelet	240 640
6	Support	239 295	26	Stitch cam on the left short tuck	212 130
7	Deflector on the left complete	223 316	27	Stitch cam on the right short tuck	212 129
8	Deflector on the right complete	223 049	28	Pressure part take-over on the left short tuck	240 697
9	Yarn control device	237 124	29	Pressure part take-over on the right short tuck	240 698
10	Yarn guide bracket complete	241 581	500	Self-locking screw M6x12	023 415
11	Friction feed wheel 16 fold on the left complete	244 991	501	Ribbed lock washer M6-10	023 414
12	Friction feed wheel 16 fold on the right complete	244 992	502	Square nut M8	023 269
13	Yarn deflector on the left complete	244 517	503	Countersunk screw M8x16	023 113
14	Yarn deflector on the right complete	244 521	504	Cap screw M6x14	022 658
15	Clamping/cutting bed on the left E5-8	253 653	505	U-washer 6	020 881
16	Clamping/cutting bed E5-8 on the right	253 652	506	Setting pin 6x16	020 677
19	DVD instructions conversion kit IYC	245 169	507	Screw M6x20	244 824
20	Additional bobbin board	241 928	508	Screw KB60 x 20	237 682



18.2 Overview of conversion kit E7-8 (32 IFF)

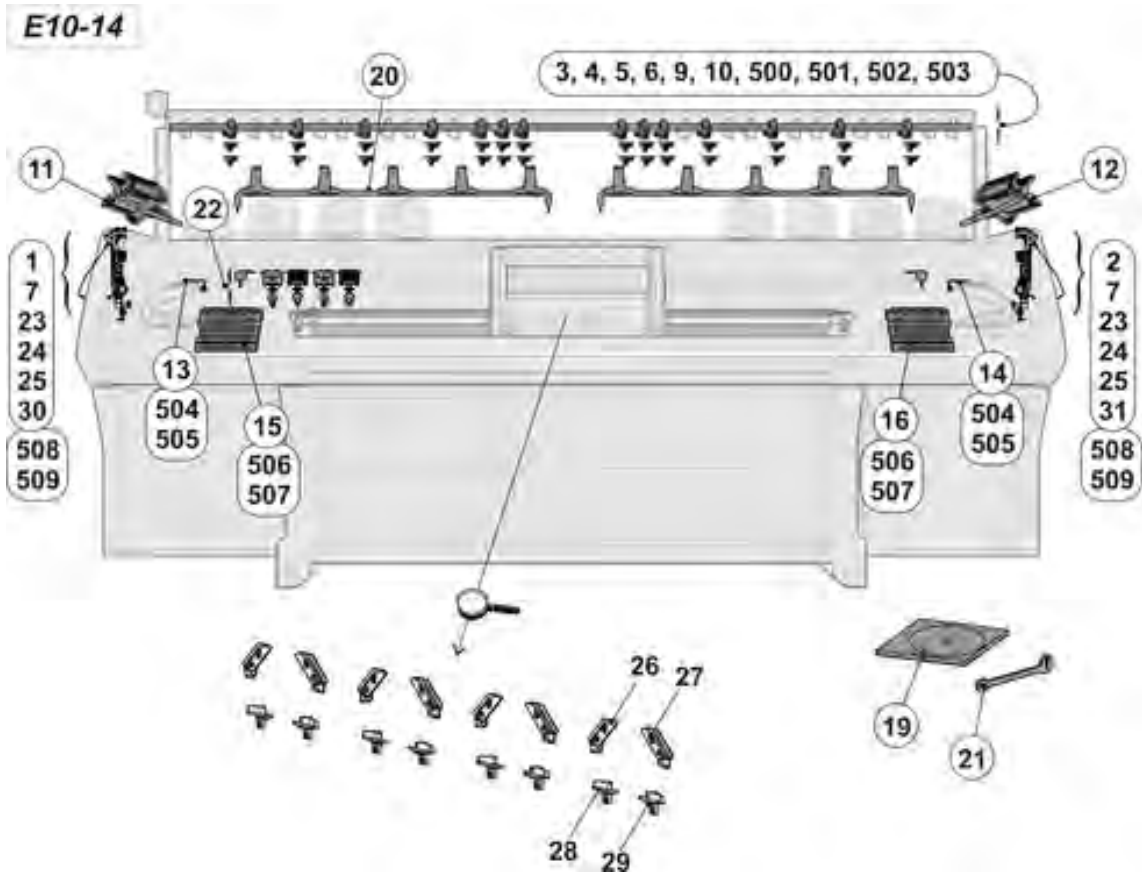
Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 32 IFF E7-8	257 929			
1	Yarn tensioner on the left complete E7-8	244 499	21	Adjusting part for yarn carrier bow	250 119
2	Yarn tensioner on the right complete E7-8	244 502	22	Yarn guide complete E7-8 IYC	245 162
3	Yarn guide rail 72"	228 596	23	Yarn brake complete	244 347
4	Support on the left	243 602	24	Clamping bow	244 409
5	Support on the right	243 603	25	Ceramic eyelet	240 640
6	Support	239 295	26	Stitch cam on the left short tuck	212 057
7	Deflector on the left complete	223 316	27	Stitch cam on the right short tuck	212 056
8	Deflector on the right complete	223 049	28	Pressure part take-over on the left short tuck	240 697
9	Yarn control device	237 124	29	Pressure part take-over on the right short tuck	240 698
10	Yarn guide bracket complete	241 581	500	Self-locking screw M6x12	023 415
11	Friction feed wheel 16 fold on the left complete	244 991	501	Ribbed lock washer M6-10	023 414
12	Friction feed wheel 16 fold on the right complete	244 992	502	Square nut M8	023 269
13	Yarn deflector on the left complete	244 517	503	Countersunk screw M8x16	023 113
14	Yarn deflector on the right complete	244 521	504	Cap screw M6x14	022 658
15	Clamping/cutting bed on the left E5-8	253 653	505	U-washer 6	020 881
16	Clamping/cutting bed E5-8 on the right	253 652	506	Setting pin 6x16	020 677
19	DVD instructions conversion kit IYC	245 169	507	Screw M6x20	244 824
20	Additional bobbin board	241 928	508	Screw KB60 x 20	237 682



18.3 Overview of conversion kit E10-14 (32 IFF)

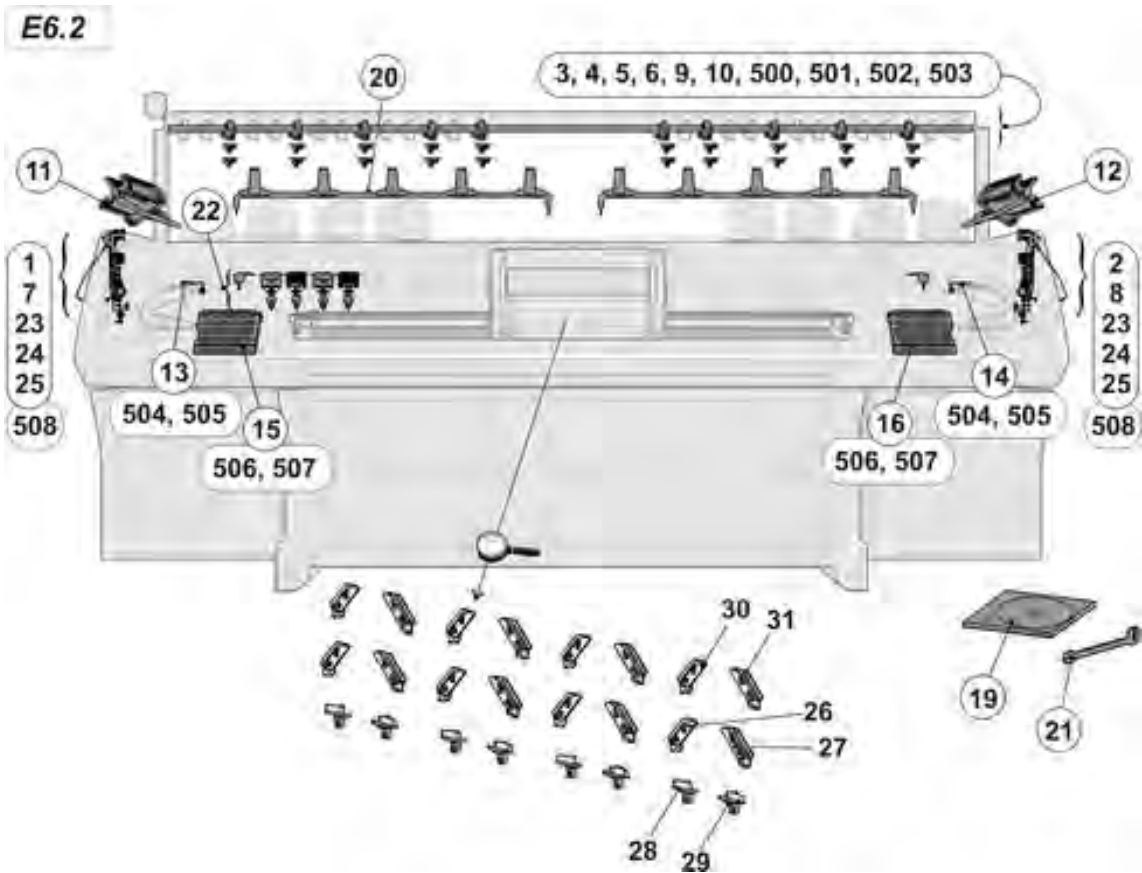
18.3 Overview of conversion kit E10-14 (32 IFF)

Pos	Designation	Id		Pos	Designation	Id
Σ	Conversion kit 32 IFF E10-14	257 930				
1	Yarn tensioner on the left complete E10-18	258 461		23	Yarn brake complete	244 347
2	Yarn tensioner on the right complete E10-18	258 463		24	Clamping bow	244 409
3	Yarn guide rail 72"	228 596		25	Ceramic eyelet	240 640
4	Support on the left	243 602		26	Stitch cam on the left short tuck E10-14	212 109
5	Support on the right	243 603		27	Stitch cam on the right short tuck E10-14	212 108
6	Support	239 295		28	Pressure part take-over on the left short tuck	240 697
7	Deflector complete	257 287		29	Pressure part take-over on the right short tuck	240 698
9	Yarn control device	237 124		30	Stop bar on the left complete	258 454
10	Yarn guide bracket complete	241 581		31	Stop bar on the right complete	258 562
11	Friction feed wheel 16 fold on the left complete	244 991		500	Self-locking screw M6x12	023 415
12	Friction feed wheel 16 fold on the right complete	244 992		501	Ribbed lock washer M6-10	023 414
13	Yarn deflector on the left complete	244 517		502	Square nut M8	023 269
14	Yarn deflector on the right complete	244 521		503	Countersunk screw M8x16	023 113
15	Clamping and cutting bed on the left E5-8	253 655		504	Cap screw M6x14	022 658
16	Clamping and cutting bed on the right E10-14	253 654		505	U-washer 6	020 881
19	DVD instructions conversion kit IFF	245 169		506	Setting pin 6x16	020 677
20	Additional bobbin board	241 928		507	Screw M6x20	244 824
21	Adjusting part for yarn carrier bow	250 119		508	Screw KB60 x 20	237 682
22	Yarn guide complete E10-14 IFF	245 163		509	U-washer 6	022 537



18.4 Overview of conversion kit E6.2 (32 IFF)

Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 32 IFF E6.2	257 931			
1	Yarn tensioner on the left complete E7-8	244 499	22	Yarn guide complete E7-8 IYC	245 162
2	Yarn tensioner on the right complete E7-8	244 502	23	Yarn brake complete	244 347
3	Yarn guide rail 72"	228 596	24	Clamping bow	244 409
4	Support on the left	243 602	25	Ceramic eyelet	240 640
5	Support on the right	243 603	26	Stitch cam on the left short tuck E7-8	212 057
6	Support	239 295	27	Stitch cam on the right short tuck E7-8	212 056
7	Deflector on the left complete	223 316	28	Pressure part take-over on the left short tuck	240 697
8	Deflector on the right complete	223 049	29	Pressure part take-over on the right short tuck	240 698
9	Yarn control device	237 124	30	Stitch cam on the left short tuck E6.2	232 755
10	Yarn guide bracket complete	241 581	31	Stitch cam on the right short tuck E6.2	232 756
11	Friction feed wheel 16 fold on the left complete	244 991	500	Self-locking screw M6x12	023 415
12	Friction feed wheel 16 fold on the right complete	244 992	501	Ribbed lock washer M6-10	023 414
13	Yarn deflector on the left complete	244 517	502	Square nut M8	023 269
14	Yarn deflector on the right complete	244 521	503	Countersunk screw M8x16	023 113
15	Clamping/cutting bed on the left E5-8	253 653	504	Cap screw M6x14	022 658
16	Clamping/cutting bed E5-8 on the right	253 652	505	U-washer 6	020 881
19	DVD instructions conversion kit IYC	245 169	506	Setting pin 6x16	020 677
20	Additional bobbin board	241 928	507	Screw M6x20	244 824
21	Adjusting part for yarn carrier bow	250 119	508	Screw KB60 x 20	237 682

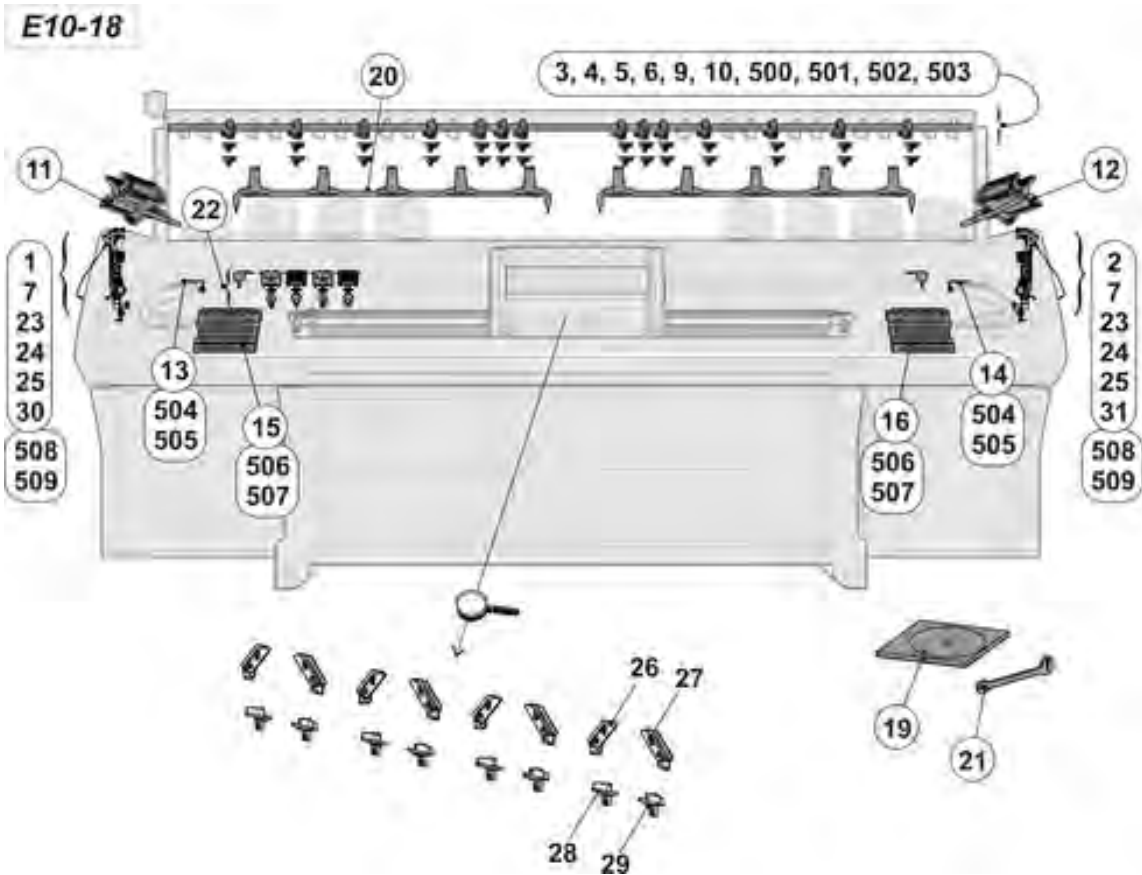


18.5 Overview of conversion kit E16-18 (32 IFF)

18.5 Overview of conversion kit E16-18 (32 IFF)

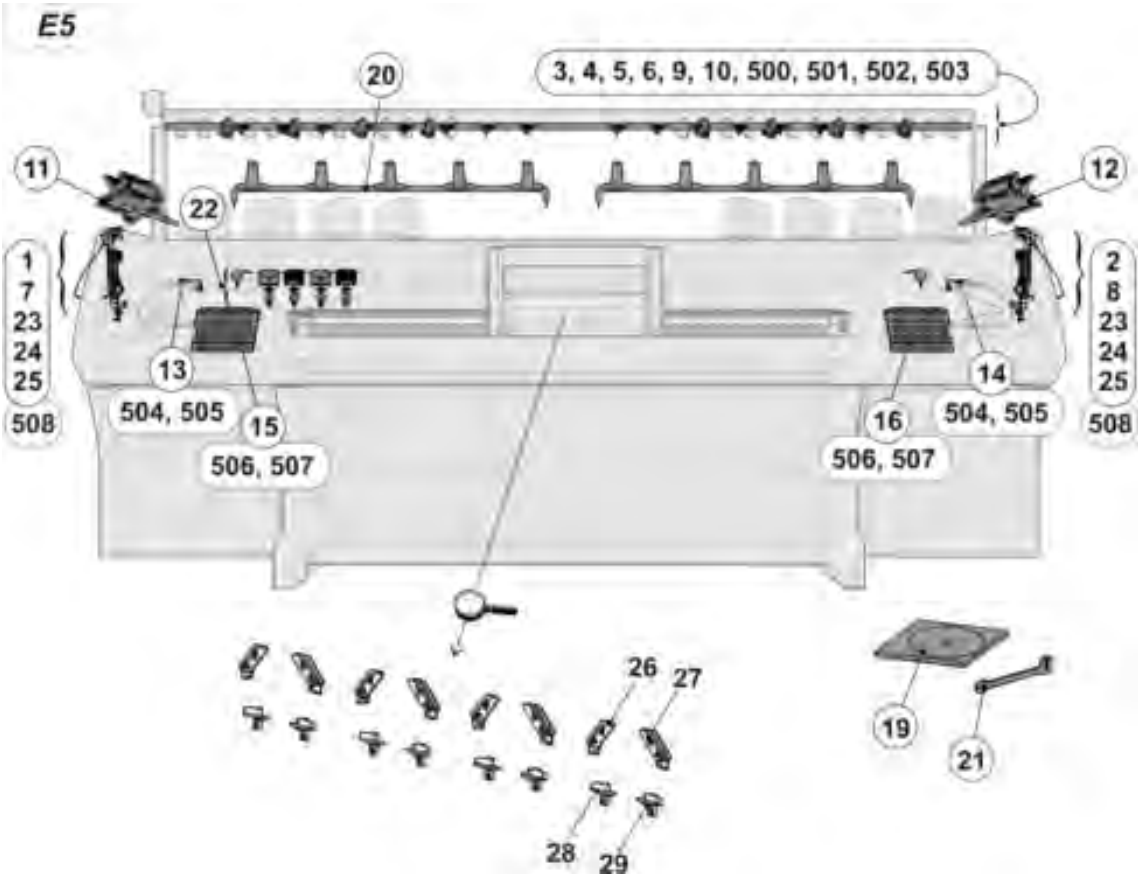
Pos	Designation	Id		Pos	Designation	Id
Σ	Conversion kit 32 IFF E16-18	257 932				
1	Yarn tensioner on the left complete E10-18	258 461		23	Yarn brake complete	244 347
2	Yarn tensioner on the right complete E10-18	258 463		24	Clamping bow	244 409
3	Yarn guide rail 72"	228 596		25	Ceramic eyelet	240 640
4	Support on the left	243 602		26	Stitch cam on the left 2nd stitch tension E16-18	243 248
5	Support on the right	243 603		27	Stitch cam on the right 2nd stitch tension E16-18	243 249
6	Support	239 295		28	Pressure part take-over on the left short tuck	240 697
7	Deflector complete	257 287		29	Pressure part take-over on the right short tuck	240 698
9	Yarn control device	237 124		30	Stop bar on the left complete	258 454
10	Yarn guide bracket complete	241 581		31	Stop bar on the right complete	258 562
11	Friction feed wheel 16 fold on the left complete	244 991		500	Self-locking screw M6x12	023 415
12	Friction feed wheel 16 fold on the right complete	244 992		501	Ribbed lock washer M6-10	023 414
13	Yarn deflector on the left complete	244 517		502	Square nut M8	023 269
14	Yarn deflector on the right complete	244 521		503	Countersunk screw M8x16	023 113
15	Clamping and cutting bed on the left E16-18	244 821		504	Cap screw M6x14	022 658
16	Clamping and cutting bed on the right E16-18	244 062		505	U-washer 6	020 881
19	DVD instructions conversion kit IFF	245 169		506	Setting pin 6x16	020 677
20	Additional bobbin board	241 928		507	Screw M6x20	244 824
21	Adjusting part for yarn carrier bow	250 119		508	Screw KB60 x 20	237 682
22	Yarn guide complete E16-18 IFF	245 164		509	U-washer 6	022 537

18.5 Overview of conversion kit E16-18 (32 IFF)



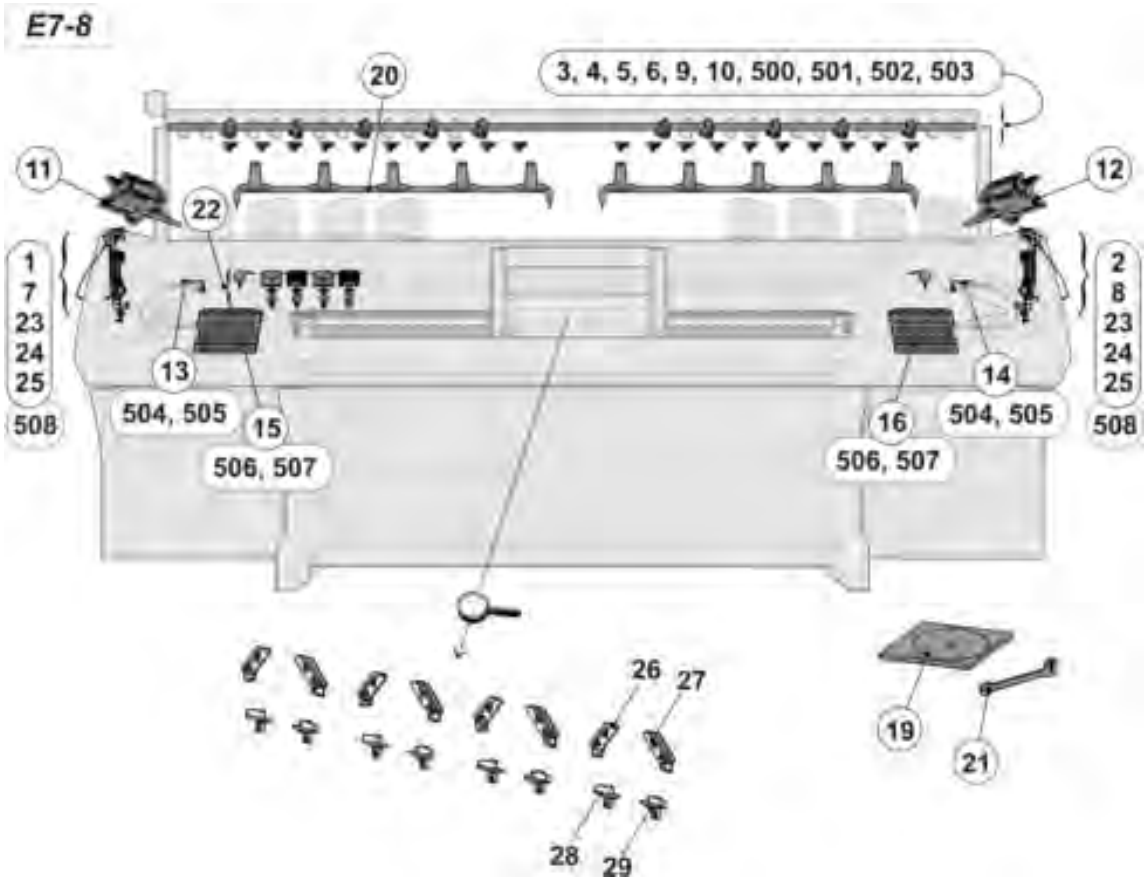
18.6 Overview of conversion kit E5 (24 IFF)

Pos	Designation	Id		Pos	Designation	Id
Σ	Conversion kit 24 IFF E5	257 933				
1	Yarn tensioner on the left complete E5	244 498		21	Adjusting part for yarn carrier bow	250 119
2	Yarn tensioner on the right complete E5	244 501		22	Yarn guide complete E5 IFF 24	256 934
3	Yarn guide rail 72"	228 596		23	Yarn brake complete	244 347
4	Support on the left	243 602		24	Clamping bow	244 409
5	Support on the right	243 603		25	Ceramic eyelet	240 640
6	Support	239 295		26	Stitch cam on the left short tuck	212 130
7	Deflector on the left complete	223 316		27	Stitch cam on the right short tuck	212 129
8	Deflector on the right complete	223 049		28	Pressure part take-over on the left short tuck	240 697
9	Yarn control device	237 124		29	Pressure part take-over on the right short tuck	240 698
10	Yarn guide bracket complete	241 581		500	Self-locking screw M6x12	023 415
11	Friction feed wheel 16 fold on the left complete	244 991		501	Ribbed lock washer M6-10	023 414
12	Friction feed wheel 16 fold on the right complete	244 992		502	Square nut M8	023 269
13	Yarn deflector on the left complete	244 517		503	Countersunk screw M8x16	023 113
14	Yarn deflector on the right complete	244 521		504	Cap screw M6x14	022 658
15	Clamping/cutting bed on the left E5-8	253 653		505	U-washer 6	020 881
16	Clamping/cutting bed E5-8 on the right	253 652		506	Setting pin 6x16	020 677
19	DVD instructions conversion kit IYC	245 169		507	Screw M6x20	244 824
20	Additional bobbin board	241 928		508	Screw KB60 x 20	237 682



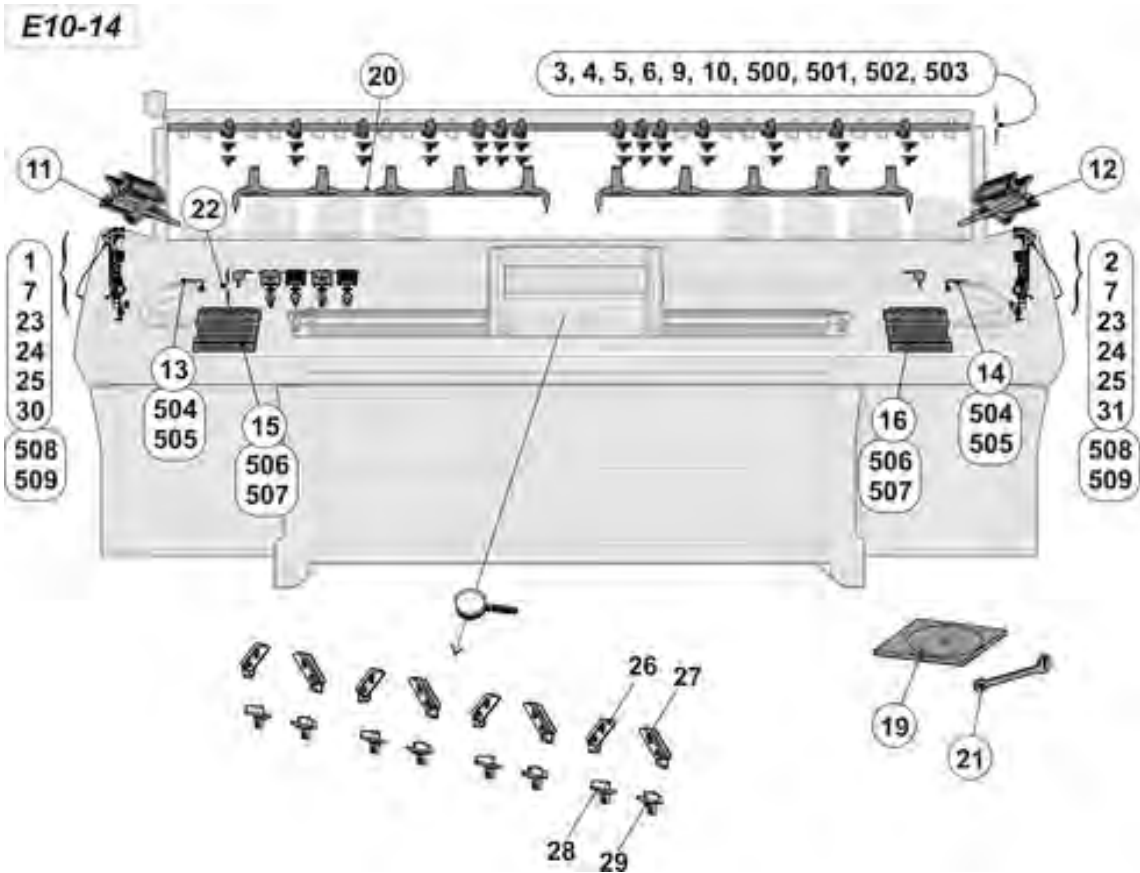
18.7 Overview of conversion kit E7-8 (24 IFF)

Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 24 IFF E7-8	257 934			
1	Yarn tensioner on the left complete E7-8	244 499	21	Adjusting part for yarn carrier bow	250 119
2	Yarn tensioner on the right complete E7-8	244 502	22	Yarn guide complete E7-8 IFF 24	256 935
3	Yarn guide rail 72"	228 596	23	Yarn brake complete	244 347
4	Support on the left	243 602	24	Clamping bow	244 409
5	Support on the right	243 603	25	Ceramic eyelet	240 640
6	Support	239 295	26	Stitch cam on the left short tuck E7-8	212 057
7	Deflector on the left complete	223 316	27	Stitch cam on the right short tuck E7-8	212 056
8	Deflector on the right complete	223 049	28	Pressure part take-over on the left short tuck	240 697
9	Yarn control device	237 124	29	Pressure part take-over on the right short tuck	240 698
10	Yarn guide bracket complete	241 581	500	Self-locking screw M6x12	023 415
11	Friction feed wheel 16 fold on the left complete	244 991	501	Ribbed lock washer M6-10	023 414
12	Friction feed wheel 16 fold on the right complete	244 992	502	Square nut M8	023 269
13	Yarn deflector on the left complete	244 517	503	Countersunk screw M8x16	023 113
14	Yarn deflector on the right complete	244 521	504	Cap screw M6x14	022 658
15	Clamping/cutting bed on the left E5-8	253 653	505	U-washer 6	020 881
16	Clamping/cutting bed E5-8 on the right	253 652	506	Setting pin 6x16	020 677
19	DVD instructions conversion kit IYC	245 169	507	Screw M6x20	244 824
20	Additional bobbin board	241 928	508	Screw KB60 x 20	237 682



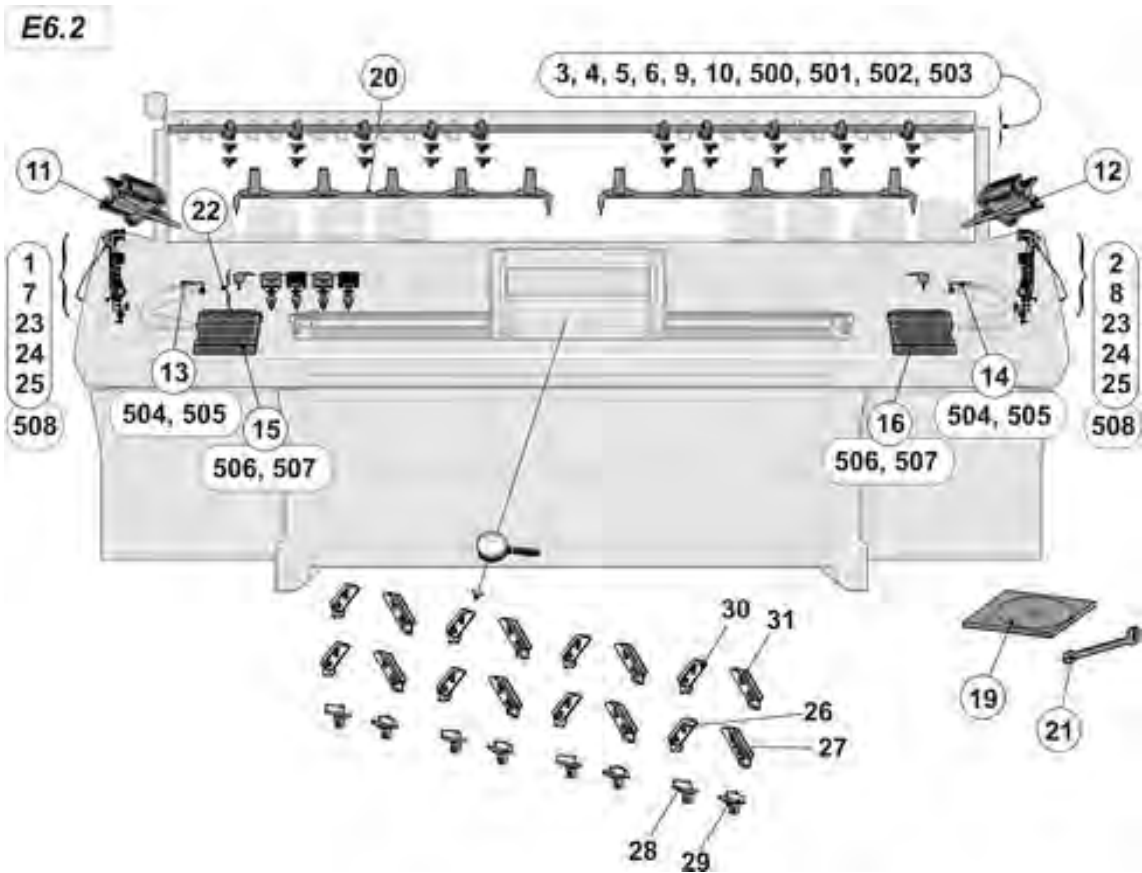
18.8 Overview of conversion kit E10-14 (24 IFF)

Pos	Designation	Id		Pos	Designation	Id
Σ	Conversion kit 24 IFF E10-14	257 935				
1	Yarn tensioner on the left complete E10-18	258 461		23	Yarn brake complete	244 347
2	Yarn tensioner on the right complete E10-18	258 463		24	Clamping bow	244 409
3	Yarn guide rail 72"	228 596		25	Ceramic eyelet	240 640
4	Support on the left	243 602		26	Stitch cam on the left short tuck E10-14	212 109
5	Support on the right	243 603		27	Stitch cam on the right short tuck E10-14	212 108
6	Support	239 295		28	Pressure part take-over on the left short tuck	240 697
7	Deflector complete	257 287		29	Pressure part take-over on the right short tuck	240 698
9	Yarn control device	237 124		30	Stop bar on the left complete	258 454
10	Yarn guide bracket complete	241 581		31	Stop bar on the right complete	258 562
11	Friction feed wheel 16 fold on the left complete	244 991		500	Self-locking screw M6x12	023 415
12	Friction feed wheel 16 fold on the right complete	244 992		501	Ribbed lock washer M6-10	023 414
13	Yarn deflector on the left complete	244 517		502	Square nut M8	023 269
14	Yarn deflector on the right complete	244 521		503	Countersunk screw M8x16	023 113
15	Clamping and cutting bed on the left E5-8	253 655		504	Cap screw M6x14	022 658
16	Clamping and cutting bed on the right E10-14	253 654		505	U-washer 6	020 881
19	DVD instructions conversion kit IFF	245 169		506	Setting pin 6x16	020 677
20	Additional bobbin board	241 928		507	Screw M6x20	244 824
21	Adjusting part for yarn carrier bow	250 119		508	Screw KB60 x 20	237 682
22	Yarn guide complete E10-14 IFF 24	256 936		509	U-washer 6	022 537



18.9 Overview of conversion kit E6.2 (24 IFF)

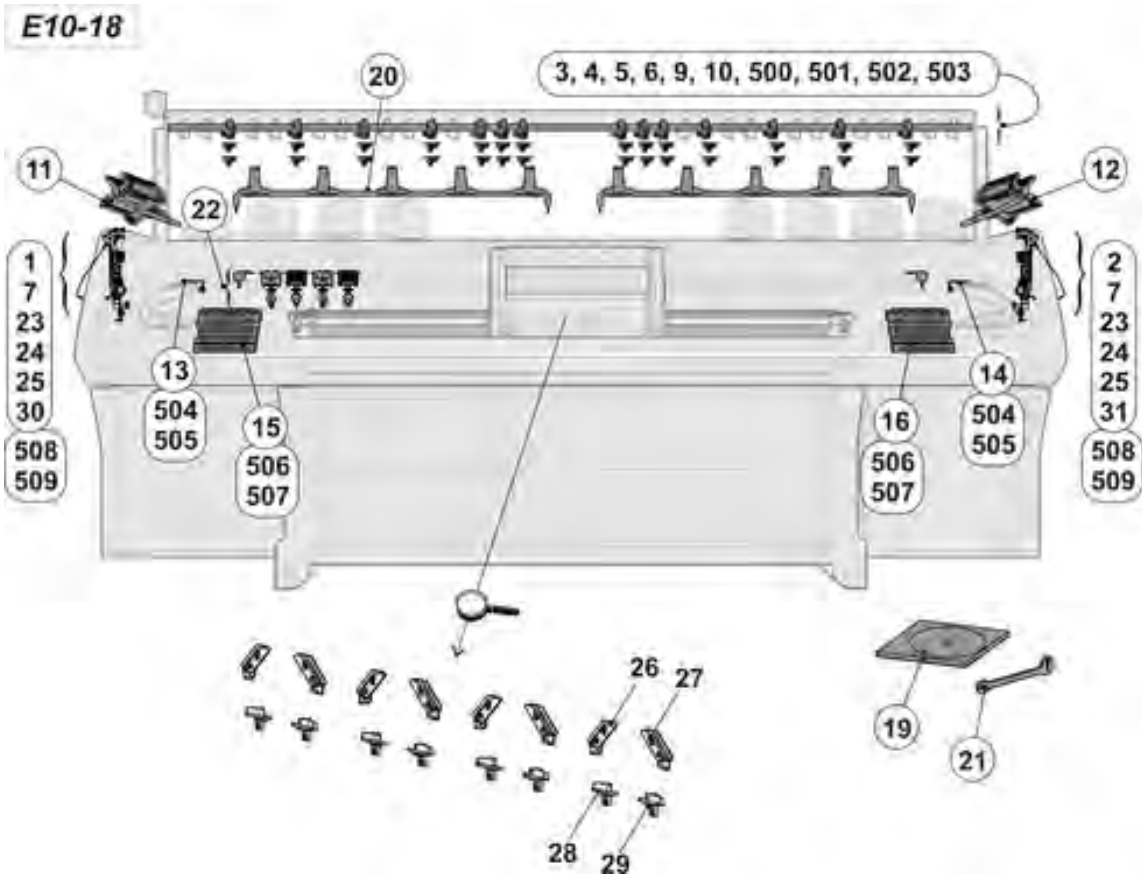
Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 24 IFF E6.2	257 936			
1	Yarn tensioner on the left complete E7-8	244 499	22	Yarn guide complete E7-8 IFF 24	256 935
2	Yarn tensioner on the right complete E7-8	244 502	23	Yarn brake complete	244 347
3	Yarn guide rail 72"	228 596	24	Clamping bow	244 409
4	Support on the left	243 602	25	Ceramic eyelet	240 640
5	Support on the right	243 603	26	Stitch cam on the left short tuck E7-8	212 057
6	Support	239 295	27	Stitch cam on the right short tuck E7-8	212 056
7	Deflector on the left complete	223 316	28	Pressure part take-over on the left short tuck	240 697
8	Deflector on the right complete	223 049	29	Pressure part take-over on the right short tuck	240 698
9	Yarn control device	237 124	30	Stitch cam on the left short tuck E6.2	232 755
10	Yarn guide bracket complete	241 581	31	Stitch cam on the right short tuck E6.2	232 756
11	Friction feed wheel 16 fold on the left complete	244 991	500	Self-locking screw M6x12	023 415
12	Friction feed wheel 16 fold on the right complete	244 992	501	Ribbed lock washer M6-10	023 414
13	Yarn deflector on the left complete	244 517	502	Square nut M8	023 269
14	Yarn deflector on the right complete	244 521	503	Countersunk screw M8x16	023 113
15	Clamping/cutting bed on the left E5-8	253 653	504	Cap screw M6x14	022 658
16	Clamping/cutting bed E5-8 on the right	253 652	505	U-washer 6	020 881
19	DVD instructions conversion kit IYC	245 169	506	Setting pin 6x16	020 677
20	Additional bobbin board	241 928	507	Screw M6x20	244 824
21	Adjusting part for yarn carrier bow	250 119	508	Screw KB60 x 20	237 682



18.10 Overview of conversion kit E16-18 (24 IFF)

Pos	Designation	Id		Pos	Designation	Id
Σ	Conversion kit 24 IFF E16-18	257 937				
1	Yarn tensioner on the left complete E10-18	258 461		23	Yarn brake complete	244 347
2	Yarn tensioner on the right complete E10-18	258 463		24	Clamping bow	244 409
3	Yarn guide rail 72"	228 596		25	Ceramic eyelet	240 640
4	Support on the left	243 602		26	Stitch cam on the left 2nd stitch tension E16-18	243 248
5	Support on the right	243 603		27	Stitch cam on the right 2nd stitch tension E16-18	243 249
6	Support	239 295		28	Pressure part take-over on the left short tuck	240 697
7	Deflector complete	257 287		29	Pressure part take-over on the right short tuck	240 698
9	Yarn control device	237 124		30	Stop bar on the left complete	258 454
10	Yarn guide bracket complete	241 581		31	Stop bar on the right complete	258 562
11	Friction feed wheel 16 fold on the left complete	244 991		500	Self-locking screw M6x12	023 415
12	Friction feed wheel 16 fold on the right complete	244 992		501	Ribbed lock washer M6-10	023 414
13	Yarn deflector on the left complete	244 517		502	Square nut M8	023 269
14	Yarn deflector on the right complete	244 521		503	Countersunk screw M8x16	023 113
15	Clamping and cutting bed on the left E16-18	244 821		504	Cap screw M6x14	022 658
16	Clamping and cutting bed on the right E16-18	244 062		505	U-washer 6	020 881
19	DVD instructions conversion kit IFF	245 169		506	Setting pin 6x16	020 677
20	Additional bobbin board	241 928		507	Screw M6x20	244 824
21	Adjusting part for yarn carrier bow	250 119		508	Screw KB60 x 20	237 682
22	Yarn guide complete E16-18 IFF 24	256 937		509	U-washer 6	022 537

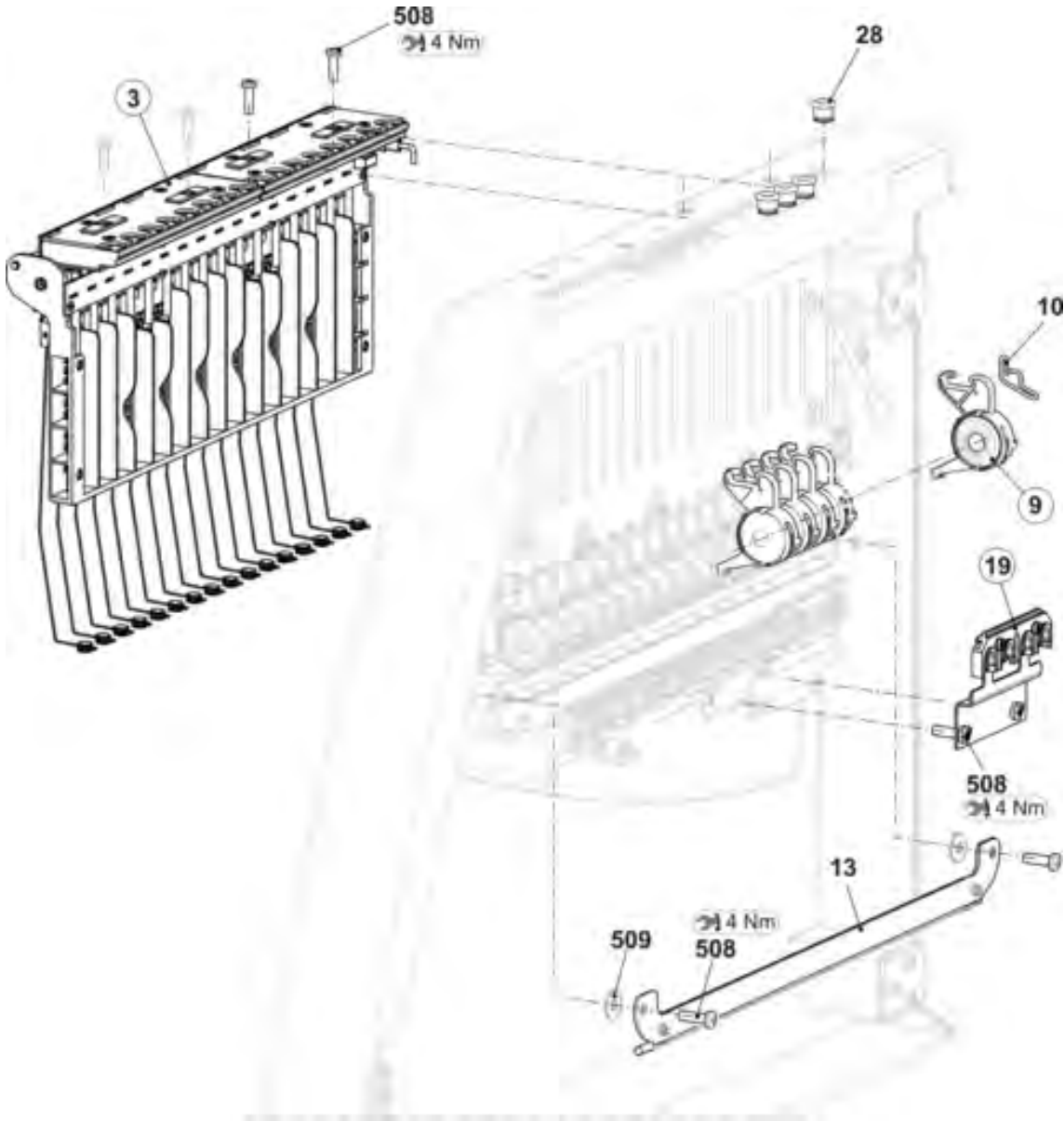
18.10 Overview of conversion kit E16-18 (24 IFF)



18.11 Parts for the safety door on the left E10|E12|E14|E16|E18|E7.2|E8.2|E612m.10

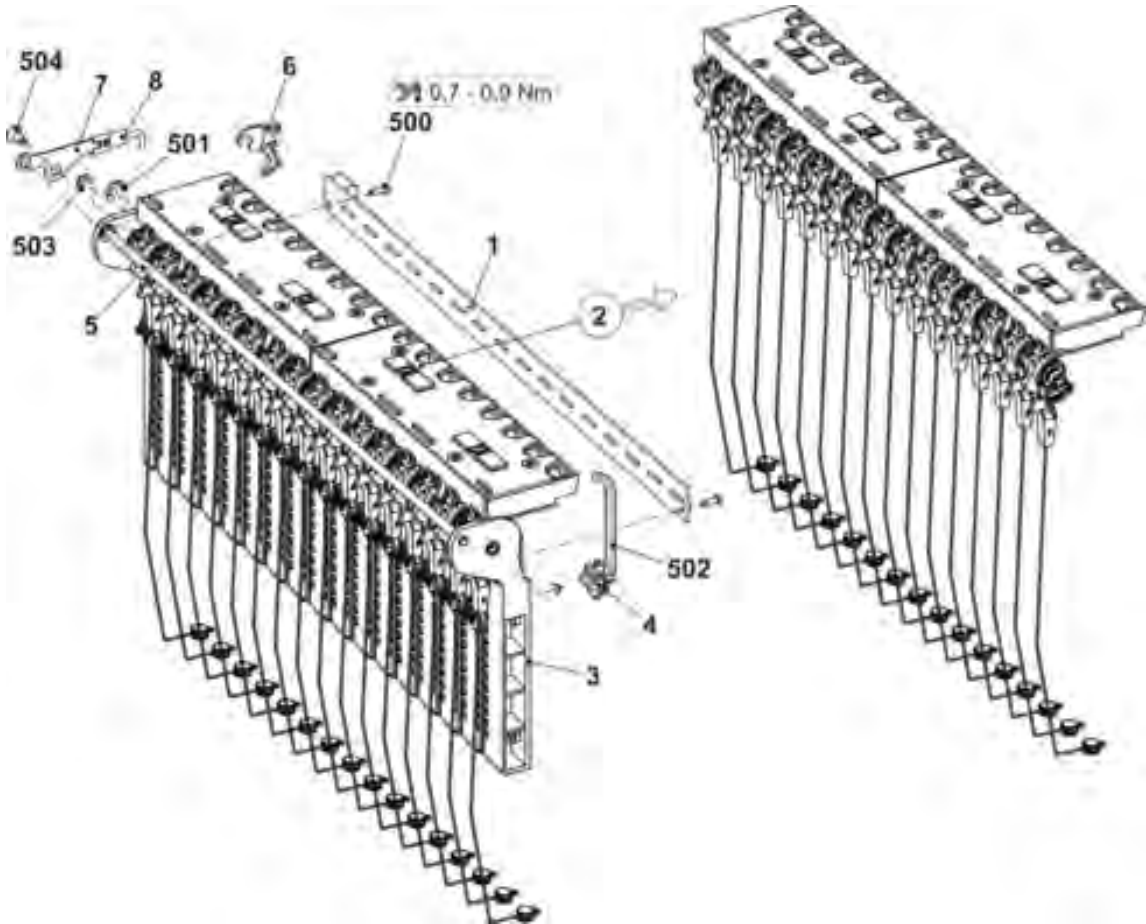
18.11 Parts for the safety door on the left
E10|E12|E14|E16|E18|E7.2|E8.2|E612m.10

Pos	Designation	Id		Pos	Designation	Id
3	Yarn tensioner on the left complete E10-18	258 461		19	Deflector complete	257 287
9	Yarn brake complete	244 347		28	Ceramic eyelet	240 640
10	Clamping bow	244 409		508	Screw KB60 x 20	237 682
13	Stop bar on the left complete	258 454		509	U-washer 6	022 537



18.11.1 Yarn tensioner on the left
E10|E12|E14|E16|E18|E7.2|E8.2|E12m.10

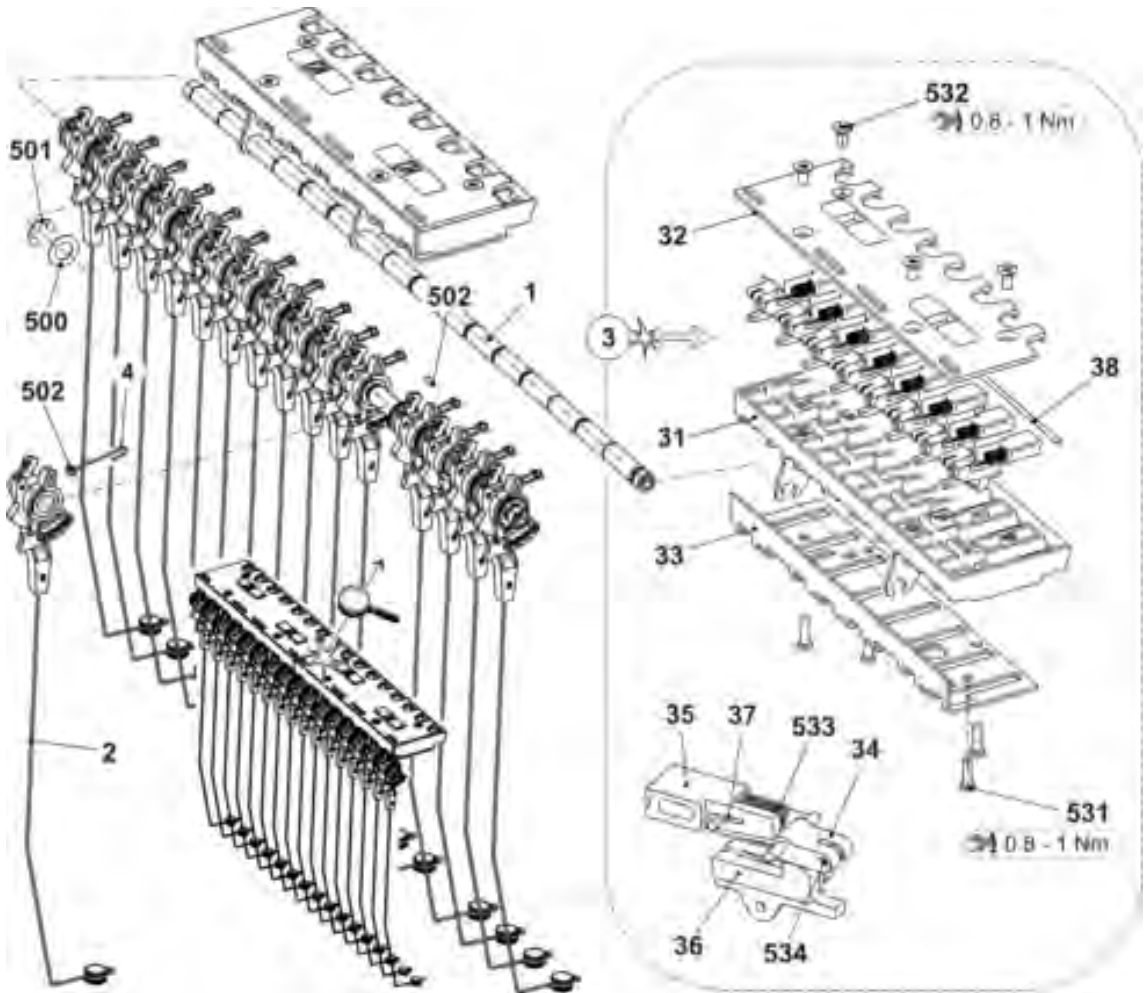
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the left complete E10-18	258 461		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the left	241 345		8	Ground cable yarn tensioner OKC	243 105
2	Tension axle complete E10-18	258 460		500	Screw KB 30x8	236 228
3	Housing	241 367		501	Circlip	021 022
4	Slider	241 694		502	Tension spring 4.9x0.45x53	023 504
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x12	241 914



18.11 Parts for the safety door on the left E10|E12|E14|E16|E18|E7.2|E8.2|E612m.10

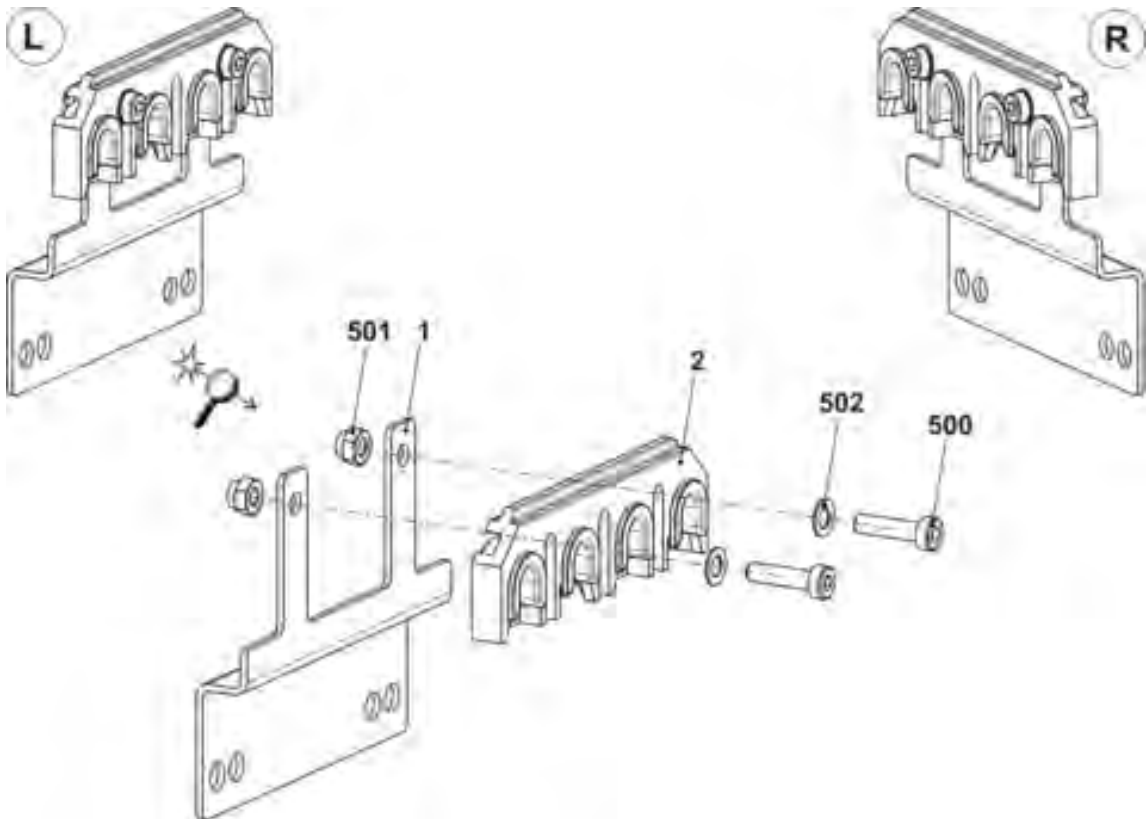
18.11.2 Tension axle E10|E12|E14|E16|E18|E7.2|E8.2|E12m.10

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle complete E10-18	258 460		3	Thread clamp AKF	238 695
1	Axle	244 522		31	Housing AKF	238 689
2	Tension arm pre-assembled E10 –18	258 459		32	Cover AKF	237 926
4	Wire bow	238 694		33	Sheet metal at the bottom (housing AKF)	240 719
500	Shim ring 8x14x0.5	023 501		34	Lever AKF	238 692
501	Circlip	021 022		35	Pressure peace AKF	238 690
502	Grooved pin 2x6	243 172		36	Slider AKF	238 691
				37	Wire bow	238 694
				38	Wire	237 940
				531	Screw KB 35x12	237 681
				532	Screw KB 40x8	236 227
				533	Compression spring 0.30x4.50x18.50	241 437
				534	Grooved pin 2x6	243 172



18.11.3 Deflector

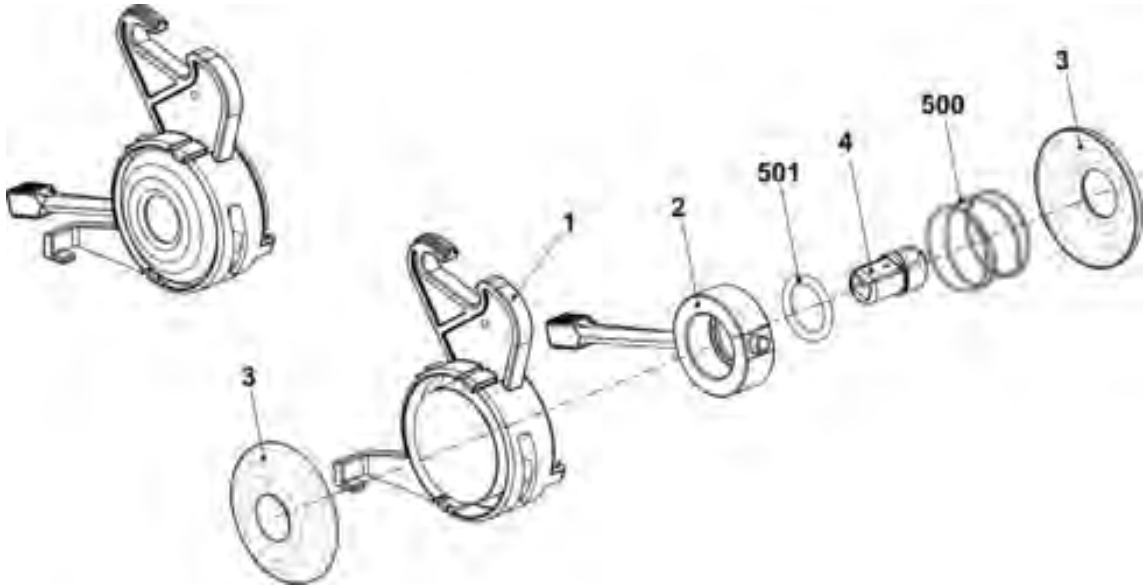
Pos	Designation	Id		Pos	Designation	Id
Σ	Deflector complete	257 287		500	Cap screw M4x16	023 123
1	Support of yarn deflector	257 289		501	Hexagon nut M4-8	023 046
2	Yarn deflector	257 288		502	U-washer 4	020 879



18.11 Parts for the safety door on the left E10|E12|E14|E16|E18|E7.2|E8.2|E612m.10

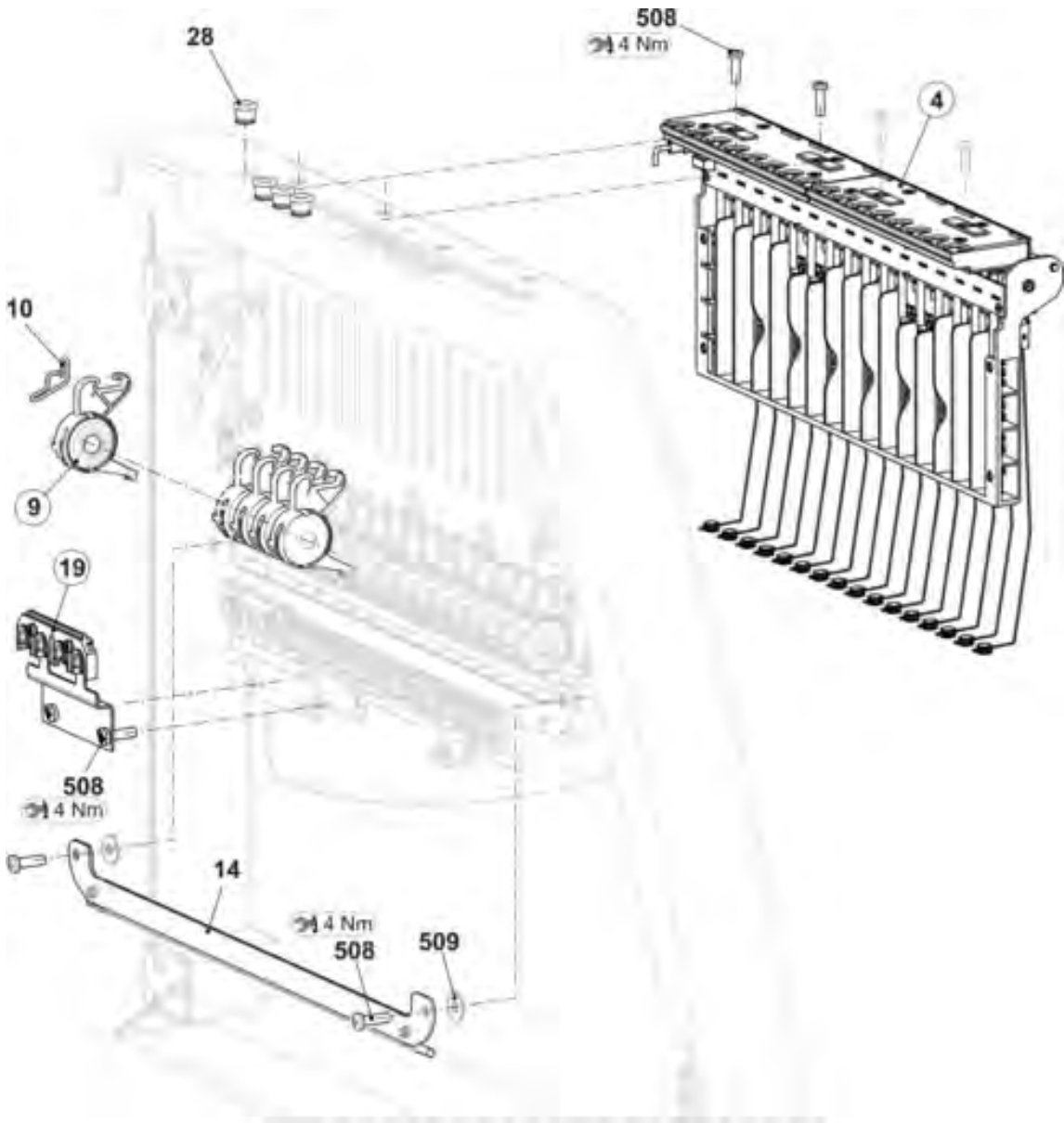
18.11.4 Yarn brake

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



18.12 Parts for the right safety door
E10|E12|E14|E16|E18|E7.2|E8.2|E612m.10

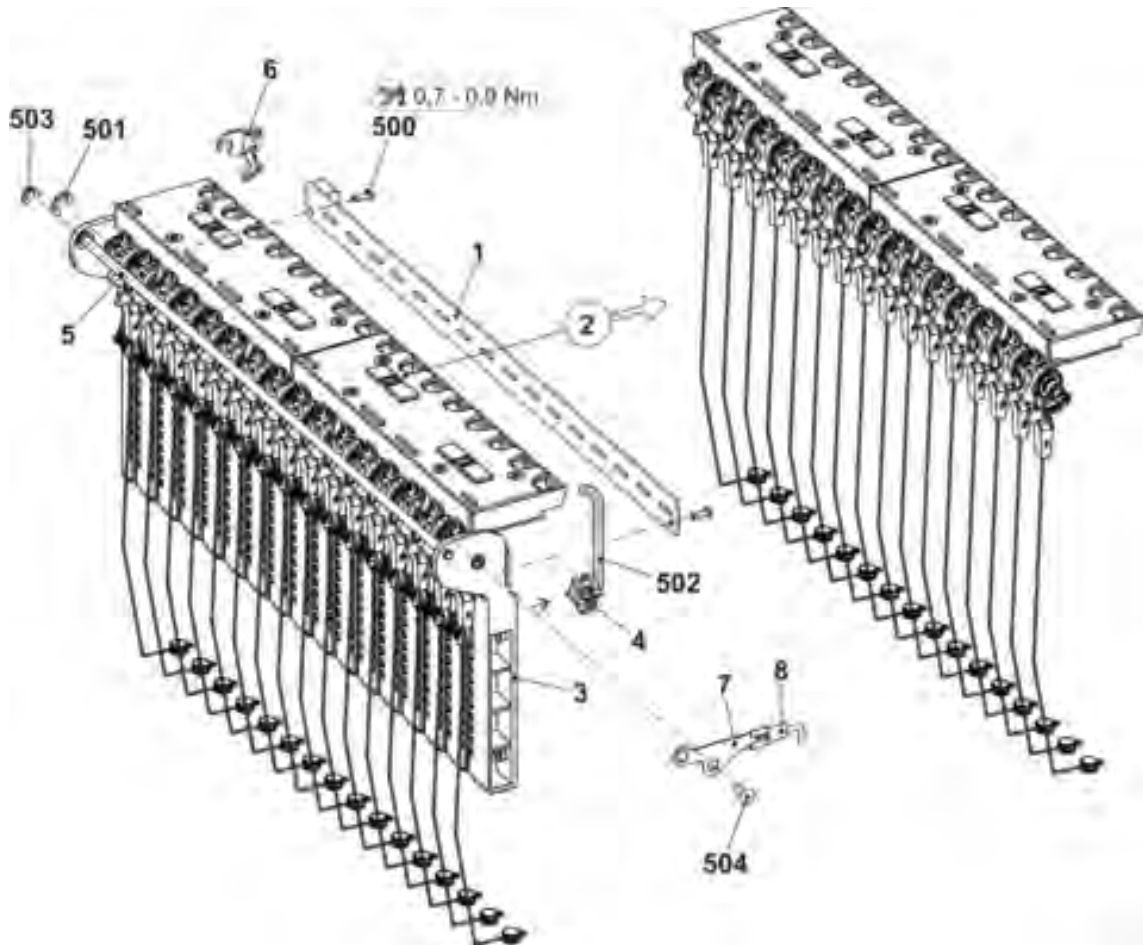
Pos	Designation	Id		Pos	Designation	Id
4	Yarn tensioner on the right complete E10-18	258 463		19	Deflector complete	257 287
9	Yarn brake complete	244 347		28	Ceramic eyelet	240 640
10	Clamping bow	244 409		508	Screw KB60 x 20	237 682
14	Stop bar on the right complete	258 562		509	U-washer 6	022 537



18.12 Parts for the right safety door E10|E12|E14|E16|E18|E7.2|E8.2|E612m.10

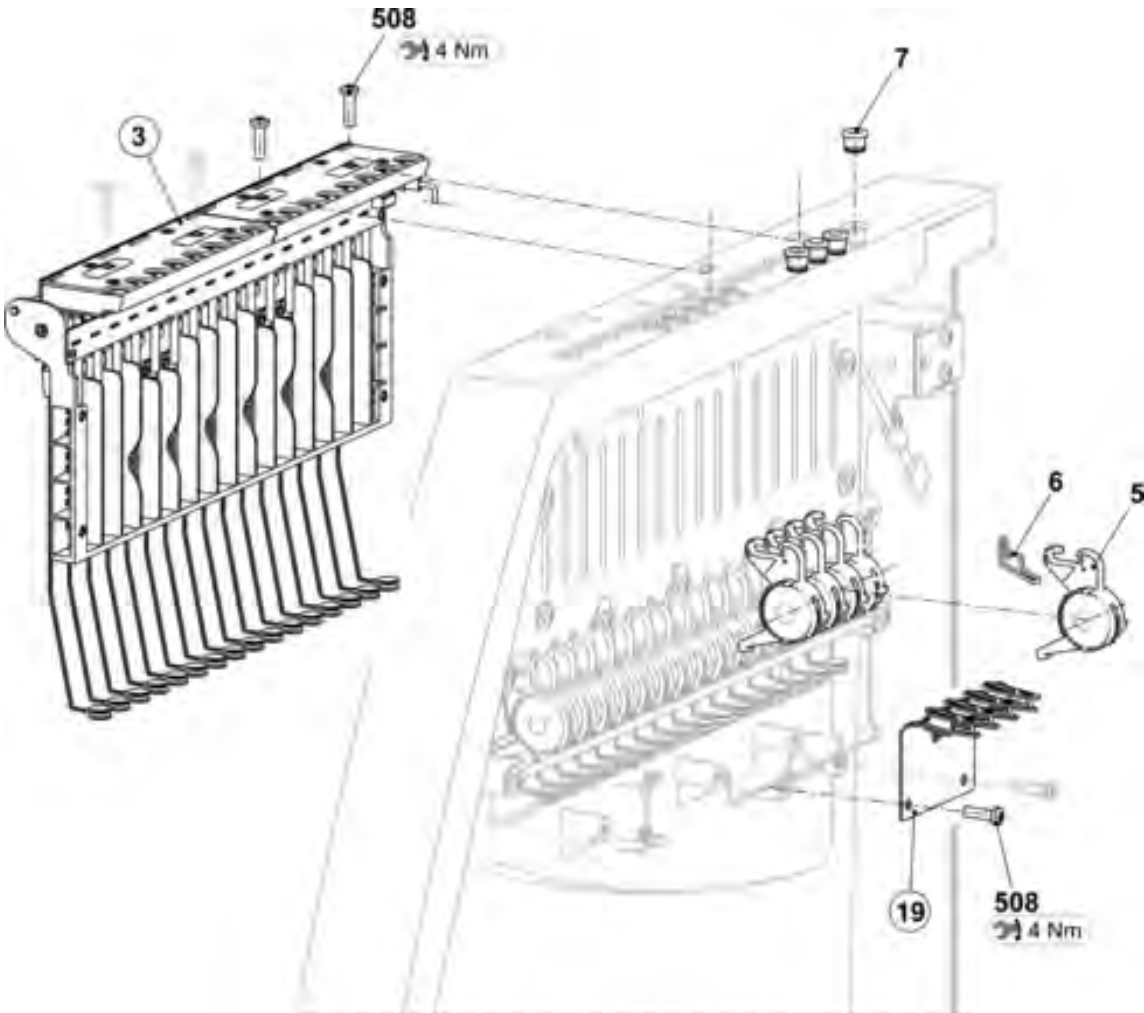
18.12.1 Yarn tensioner on the right
E10|E12|E14|E16|E18|E7.2|E8.2|E12m.10

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the left complete E10-18	258 463		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the right	241 346		8	Ground cable yarn tensioner OKC	243 105
2	Tension axle complete E10-18	258 460		500	Screw KB 30x8	236 228
3	Housing	241 367		501	Circlip	021 022
4	Slider	241 694		502	Tension spring 4.9x0.45x53	023 504
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x12	241 914



18.13 Parts for the safety door on the left
E5 | E7 | E8 | E2,5.2 | E3,5.2 | E5.2 | E6.2

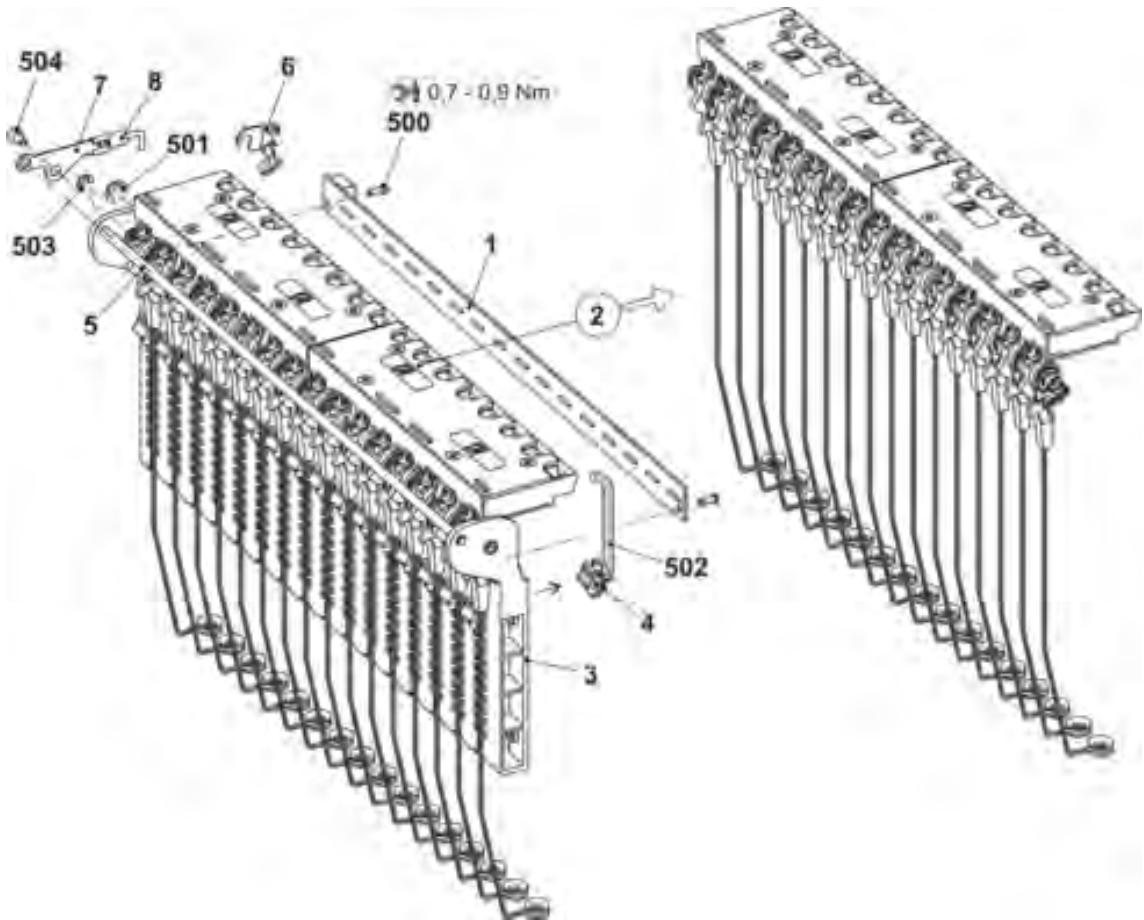
Pos	Designation	Id		Pos	Designation	Id
3	Yarn tensioner on the left complete E7-8	244 499		7	Ceramic eyelet	240 640
5	Yarn brake complete	244 347		19	Deflector on the left complete	223 316
6	Clamping bow	244 409		508	Screw KB60 x 20	237 682



18.13 Parts for the safety door on the left E5|E7|E8|E2,5.2|E3,5.2|E5.2|E6.2

18.13.1 Yarn tensioner on the left E5|E7|E8|E2,5.2|E3,5.2|E5.2|E6

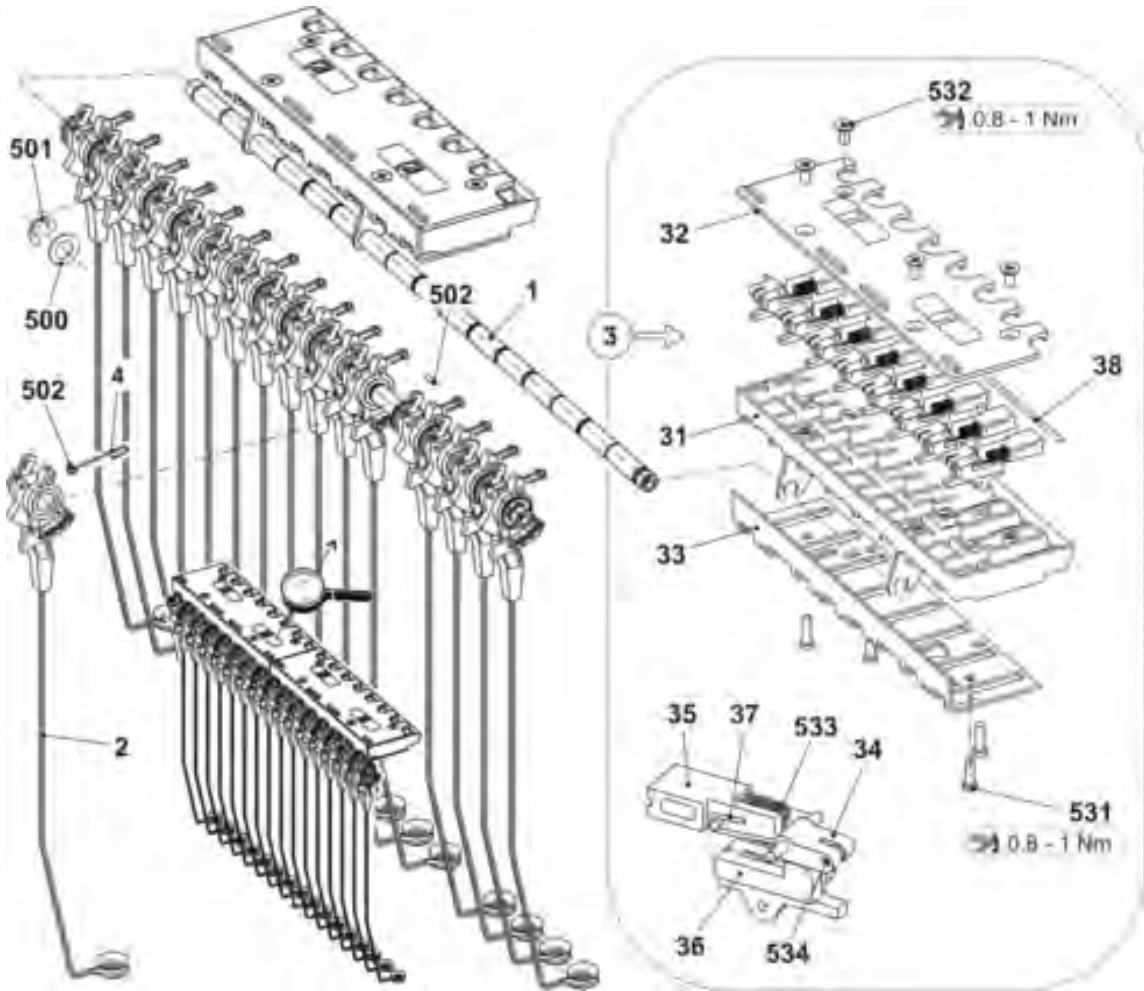
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the left complete					
	E5 E2,5.2 E3,5.2 E5.2	244 498		7	Grounding plate of tension axle	243 121
	E7 E8 E6.2	244 499		8	Ground cable yarn tensioner OKC	243 105
1	Card yarn tensioner 16-fold on the left	241 345		500	Screw KB 30x8	236 228
2	Tension axle complete E3-8	244 494		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5.05x0.55x53 (E3-5)	023 502
4	Slider	241 694			Tension spring 4.9x0.5x53 (E7-8)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x12	241 914



18.13 Parts for the safety door on the left E5 | E7 | E8 | E2,5.2 | E3,5.2 | E5.2 | E6.2

18.13.1.1 Tension axle E5 | E7 | E8 | E2,5.2 | E3,5.2 | E5.2 | E6.2

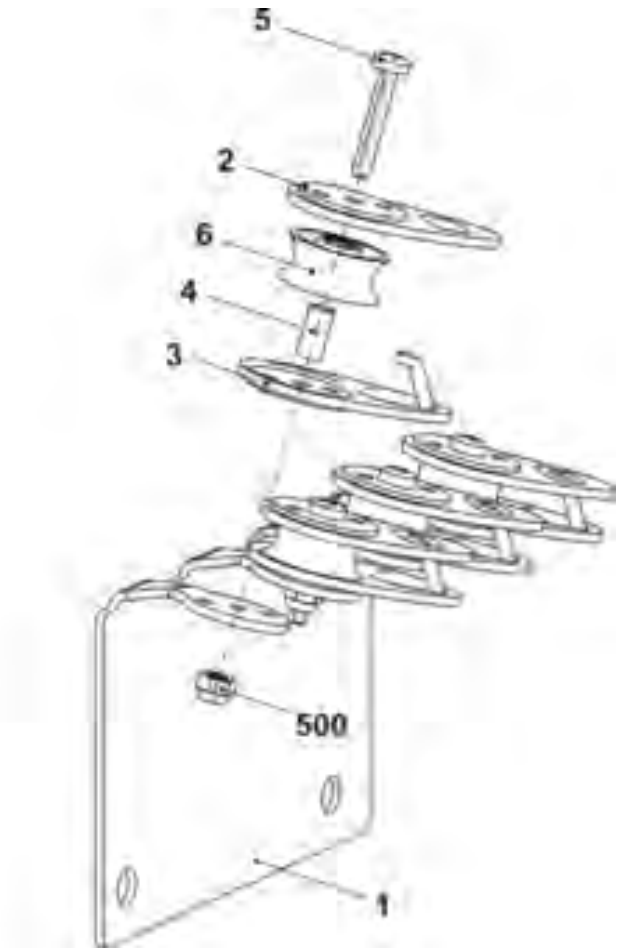
Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle complete E3-8	244 494		33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	244 522		34	Lever AKF	238 692
2	Tension arm pre-assembled E3 - E8	242 770		35	Pressure peace AKF	238 690
4	Wire bow	238 694		36	Slider AKF	238 691
500	Shim ring 8x14x0.5	023 501		37	Wire bow	238 694
501	Circlip	021 022		38	Wire	237 940
502	Grooved pin 2x6	243 172		531	Screw KB 35x12	237 681
3	Thread clamp AKF	238 695		532	Screw KB 40x8	236 227
31	Housing AKF	238 689		533	Compression spring 0.30x4.50x18.50	241 437
32	Cover AKF	237 926		534	Grooved pin 2x6	243 172



18.13 Parts for the safety door on the left E5|E7|E8|E2,5.2|E3,5.2|E5.2|E6.2

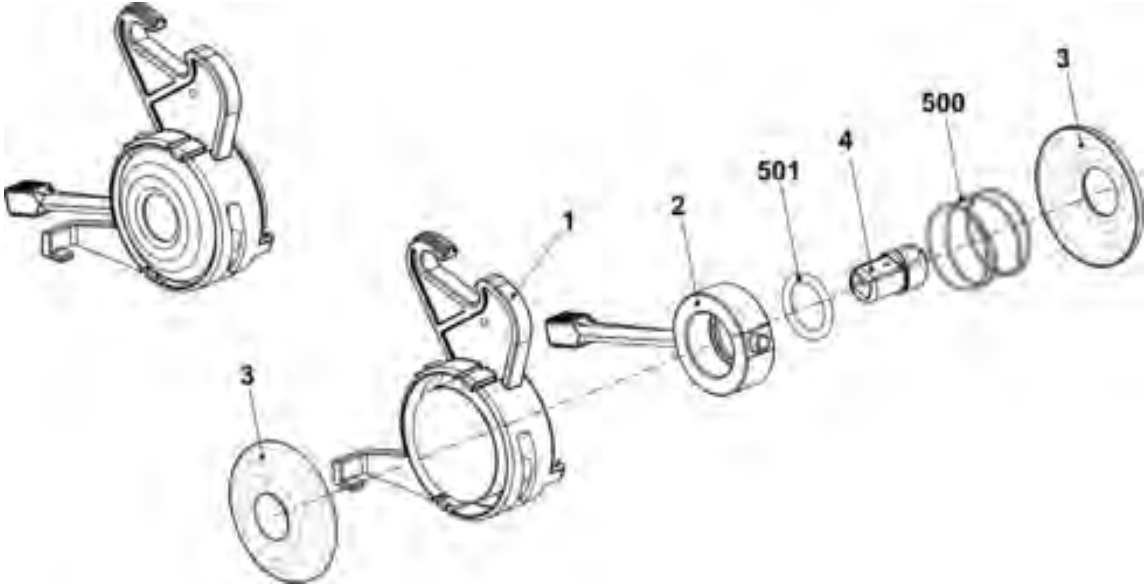
18.13.2 Deflector on the left

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



18.13.3 Yarn brake

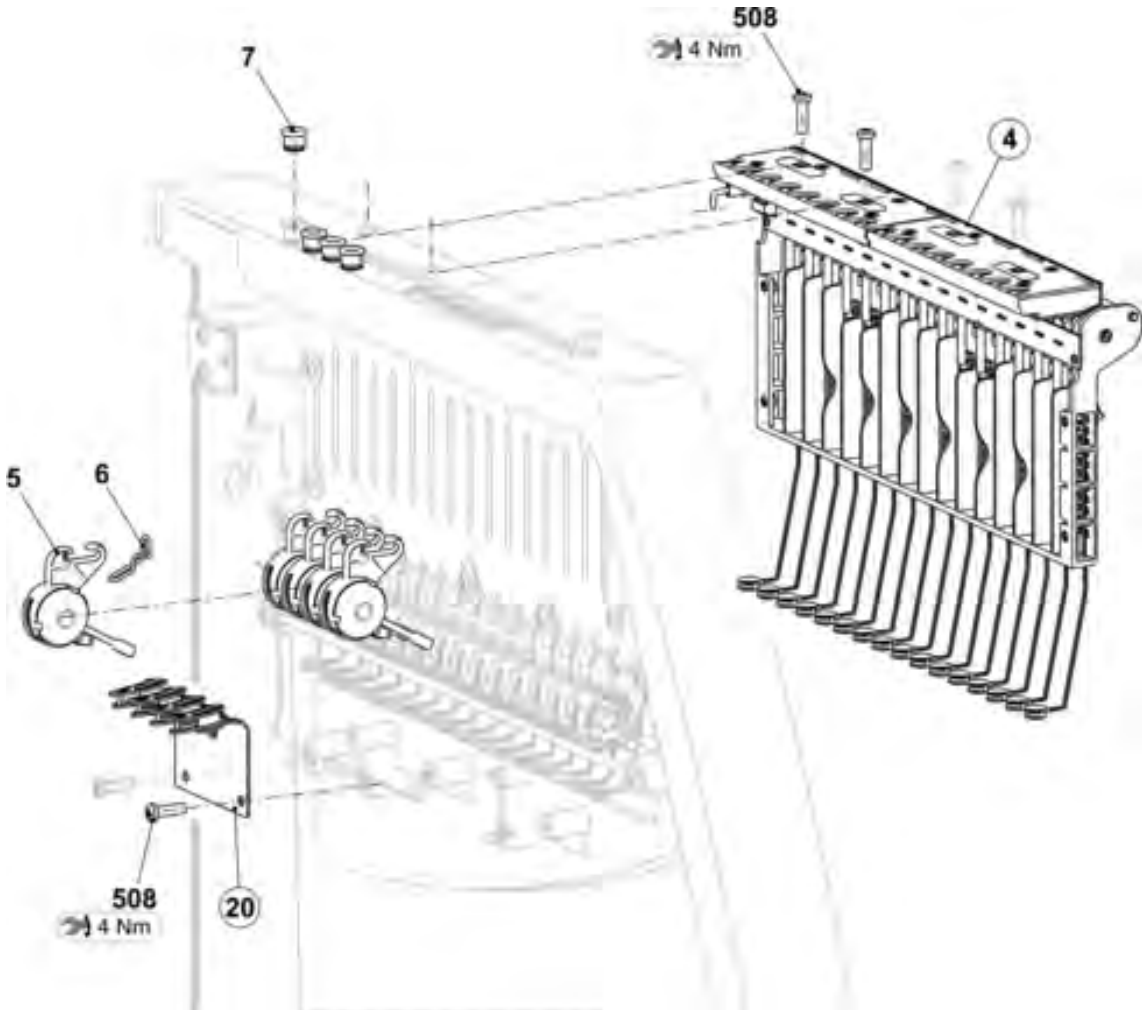
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn brake complete	244 347				
1	Support	240 607		4	Ceramic eyelet open	243 778
2	Slider	240 606		500	Compression spring 0.65x20.15x14.80	241 361
3	Brake disk	244 355		501	O-ring 11x2	241 434



18.14 Parts for the right safety door E5 | E7 | E8 | E2,5.2 | E3,5.2 | E5.2 | E6

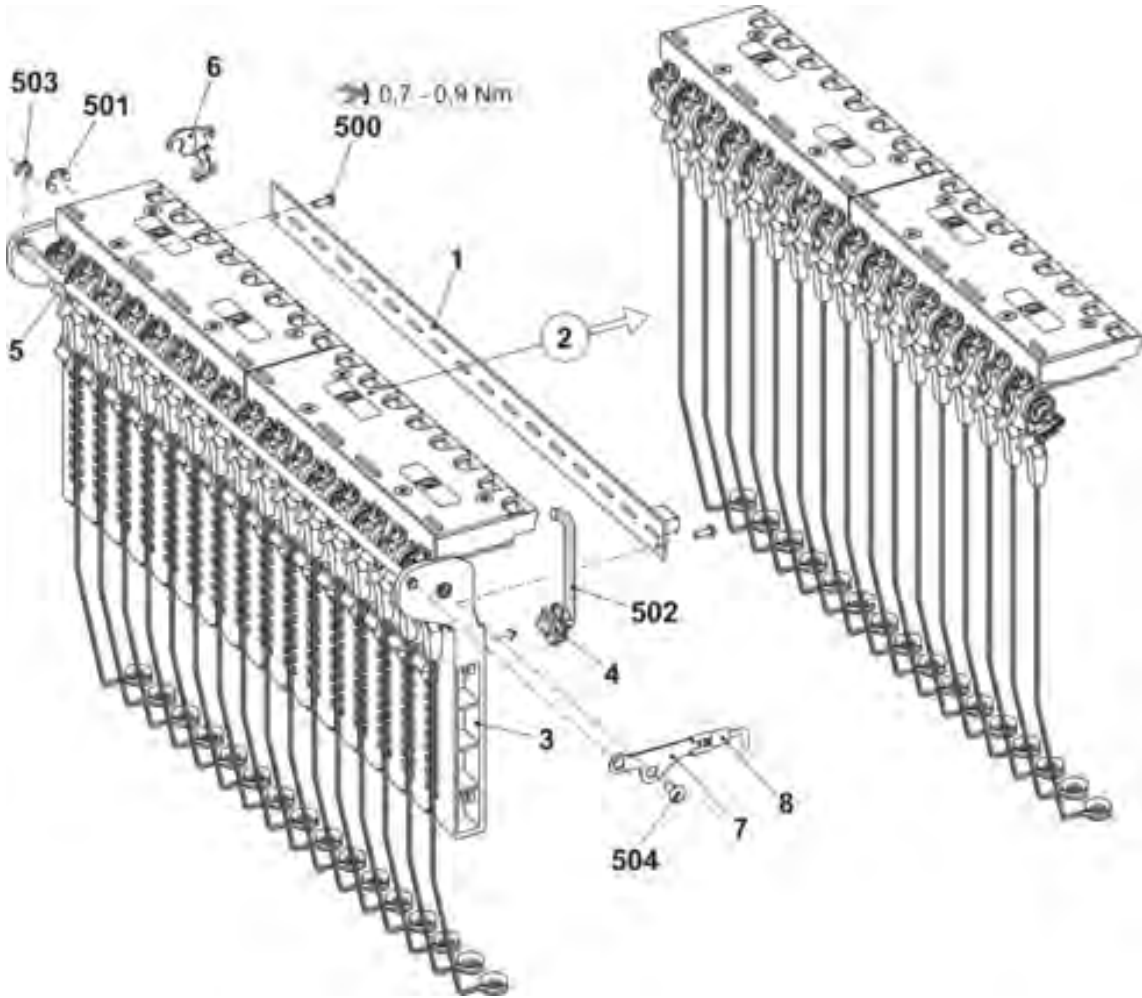
18.14 Parts for the right safety door
E5 | E7 | E8 | E2,5.2 | E3,5.2 | E5.2 | E6

Pos	Designation	Id		Pos	Designation	Id
4	Yarn tensioner on the right complete E7-8	244 502		7	Ceramic eyelet	240 640
5	Yarn brake complete	244 347		20	Deflector on the right complete	223 049
6	Clamping bow	244 409		508	Screw KB60 x 20	237 682



18.14.1 Yarn tensioner on the right E5 | E7 | E8 | E2,5.2 | E3,5.2 | E5.2 | E6.2

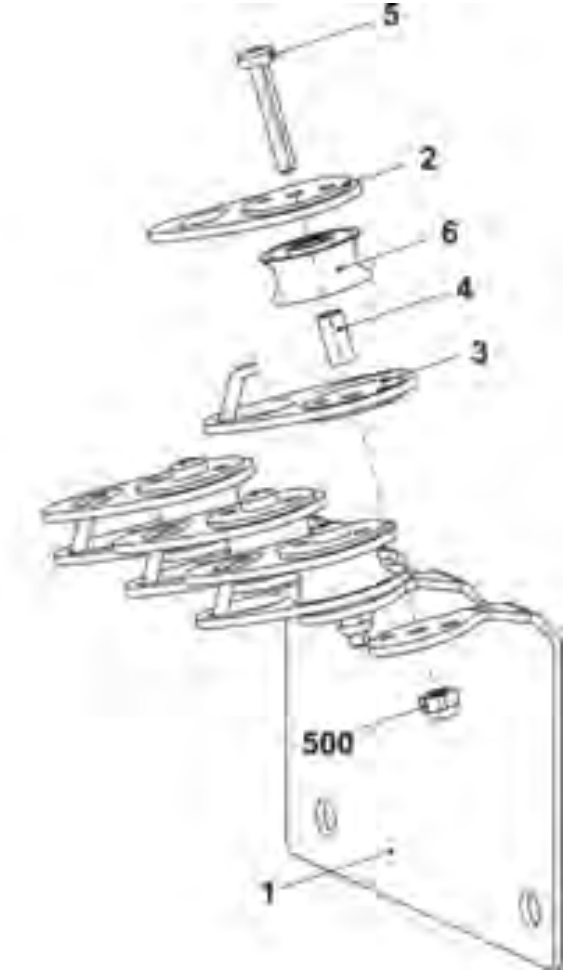
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the right complete					
	E5 E2,5.2 E3,5.2 E5.2	244 501		7	Grounding plate of tension axle	243 121
	E7 E8 E6.2	244 502		8	Ground cable yarn tensioner OKC	243 105
1	Card yarn tensioner 16-fold on the right	241 346		500	Screw KB 30x8	236 228
2	Tension axle complete E3-8	244 494		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5.05x0.55x53 (E3-5)	023 502
4	Slider	241 694			Tension spring 4.9x0.5x53 (E7-8)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x12	241 914



18.14 Parts for the right safety door E5|E7|E8|E2,5.2|E3,5.2|E5.2|E6

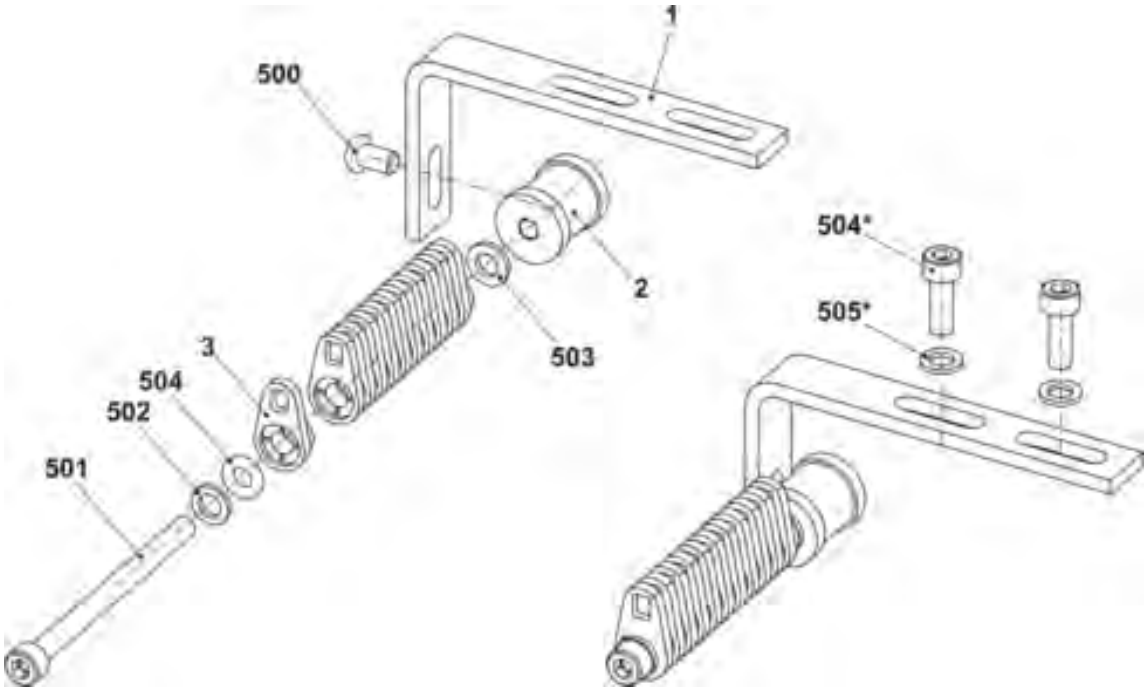
18.14.2 Deflector on the right

Pos	Designation	ID No.		Pos	Designation	ID No.
Σ	Deflector on the right complete	223 049		4	Sleeve	219 222
1	Roller support on the right	223 044		5	Screw	223 298
2	Yarn holder	217 362		6	Roller deflector	218 805
3	Yarn holder	217 363		500	Hexagon nut M3-8	022 884



18.15 Thread deflector on the left

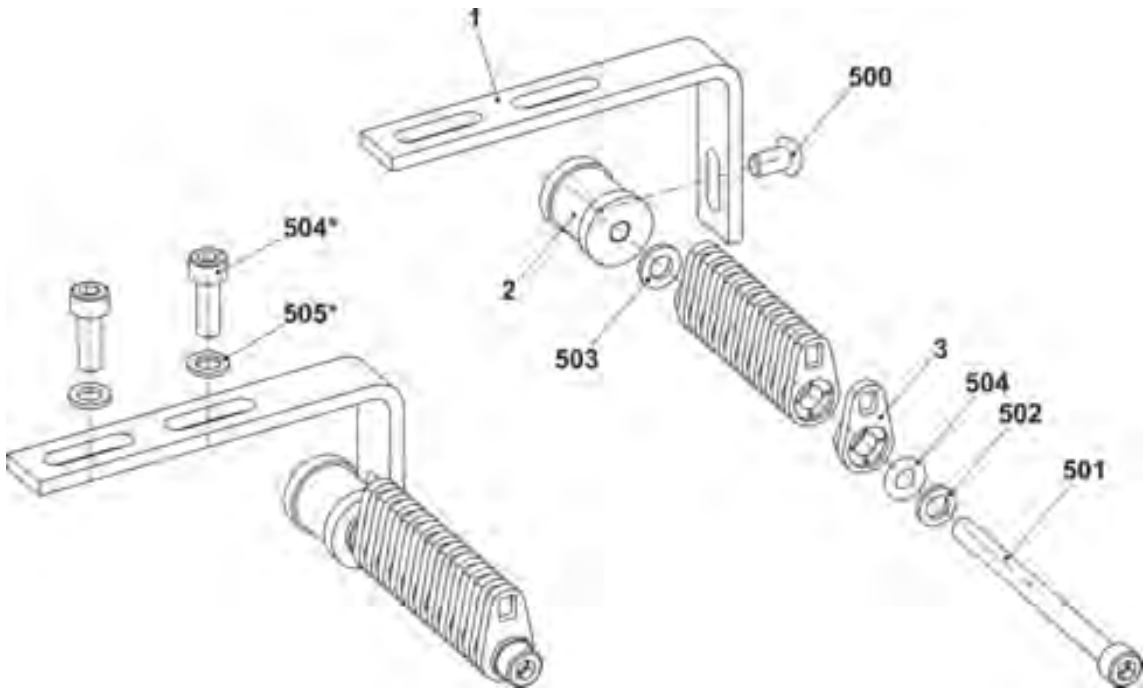
Pos	Designation	ID No.		Pos	Designation	ID No.
Σ	Yarn deflector on the left complete	244 517				
1	Support angle	244 516		502	U-washer 6	020 881
2	Bolt	214 894		503	U-washer 6	022 853
3	Yarn carrier MH 6	200 127		504	O-ring 6x3	022 856
500	Countersunk screw M6x10	023 183		504*	Cap screw M6X14	022 658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



18.16 Yarn deflector on the right

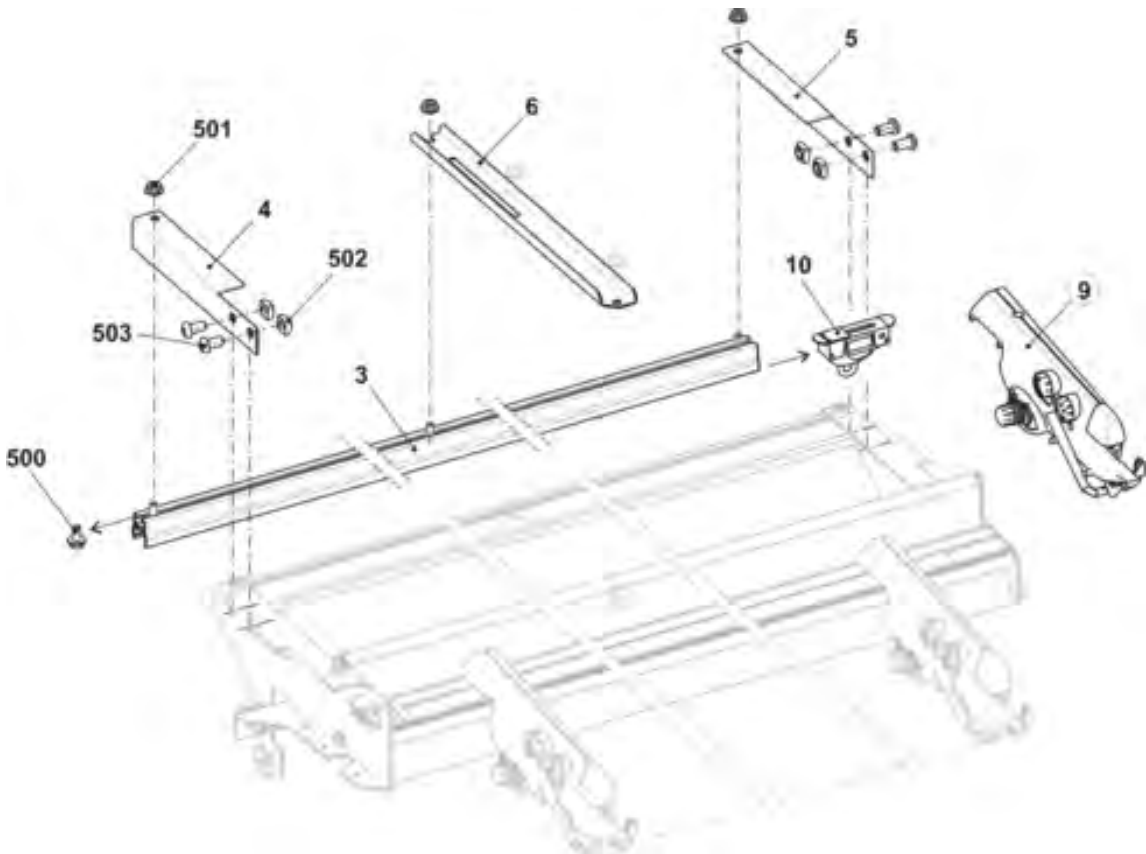
18.16 Yarn deflector on the right

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



18.17 Parts for the yarn guide system

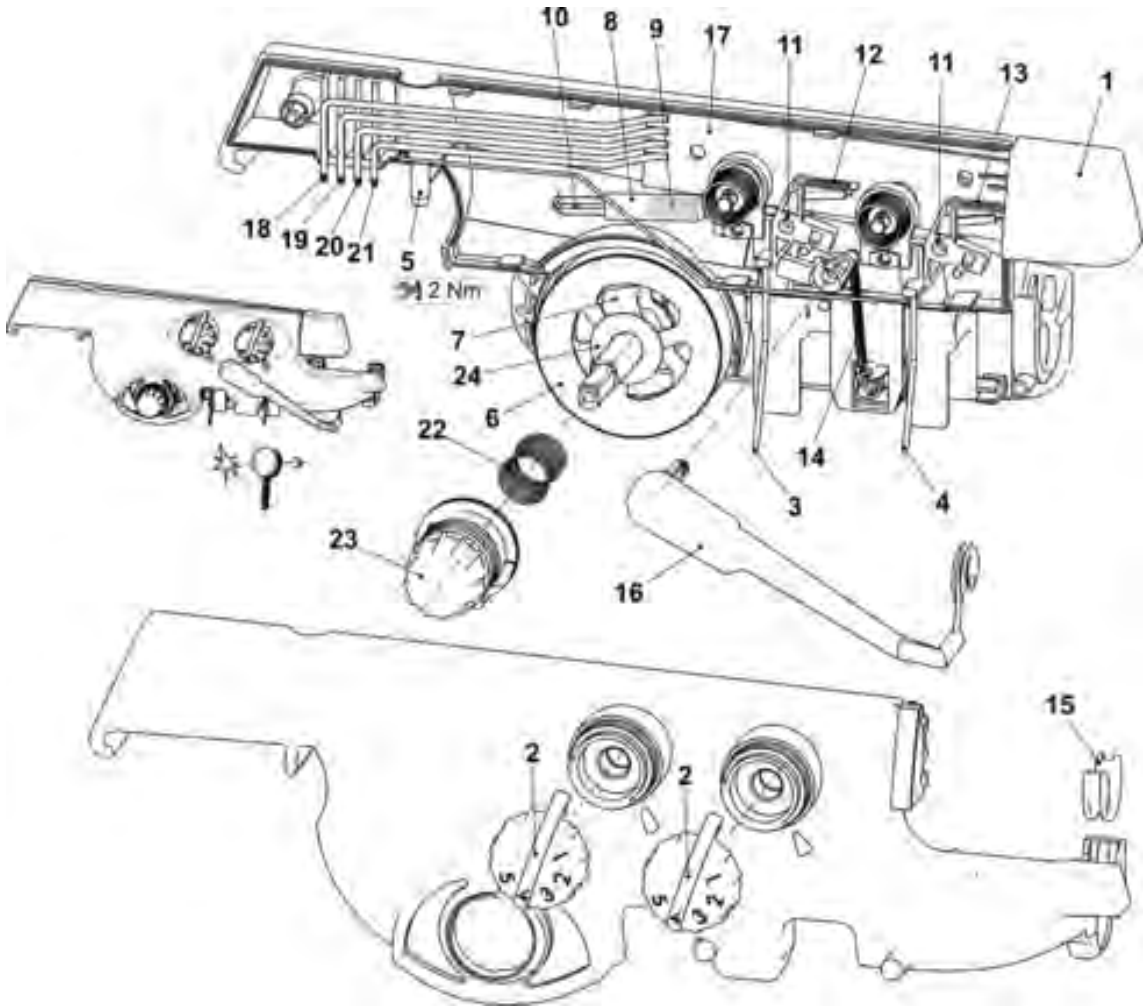
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn guide system					
3	Yarn guide rail 72"	228 596		10	Yarn guide bracket complete	241 581
4	Support on the left	243 602		500	Self-locking screw M6x12	023 415
5	Support on the right	243 603		501	Ribbed lock washer M6-10	023 414
6	Support	239 295		502	Square nut M8	023 269
9	Yarn control device	237 124		503	Countersunk screw M8x16	023 113



18.17 Parts for the yarn guide system

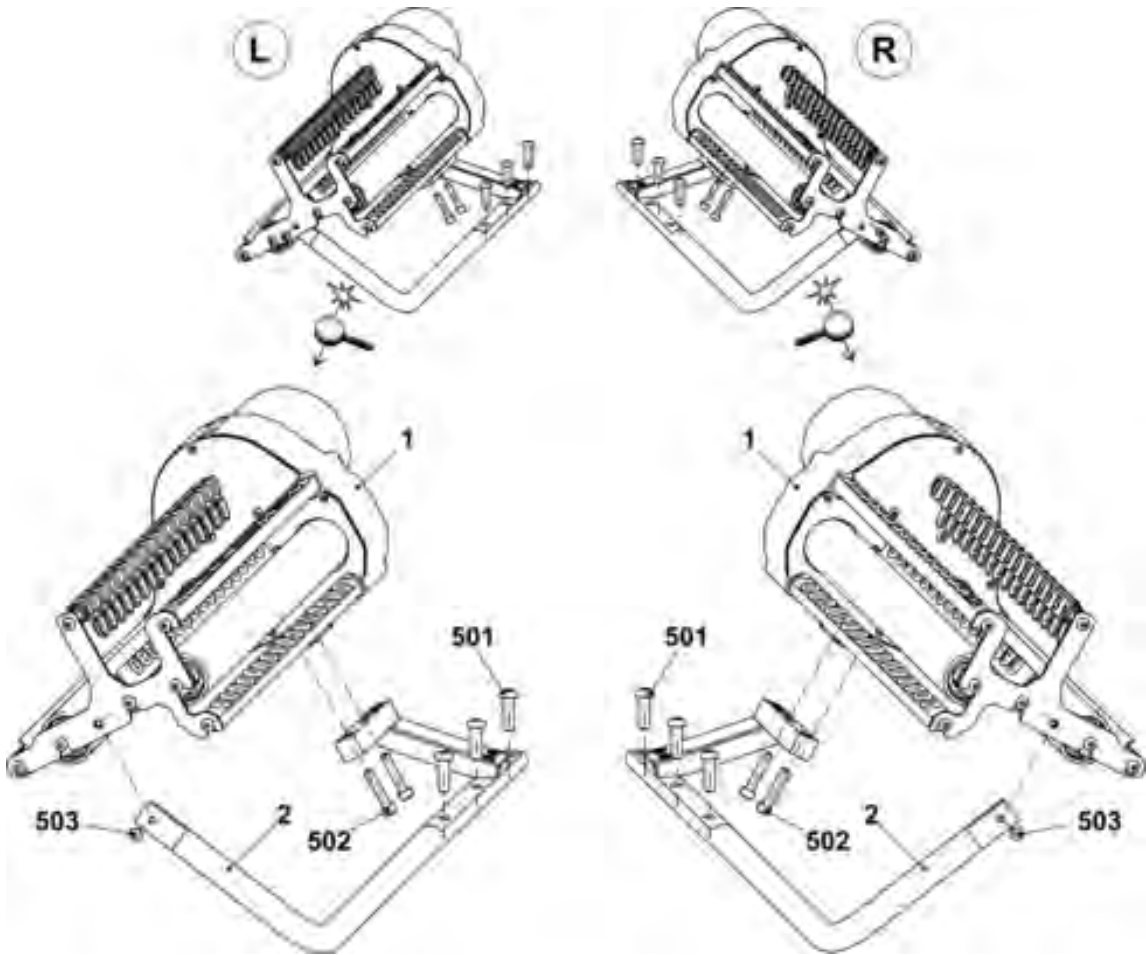
18.17.1 Yarn control unit

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn control unit	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	Pin	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



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

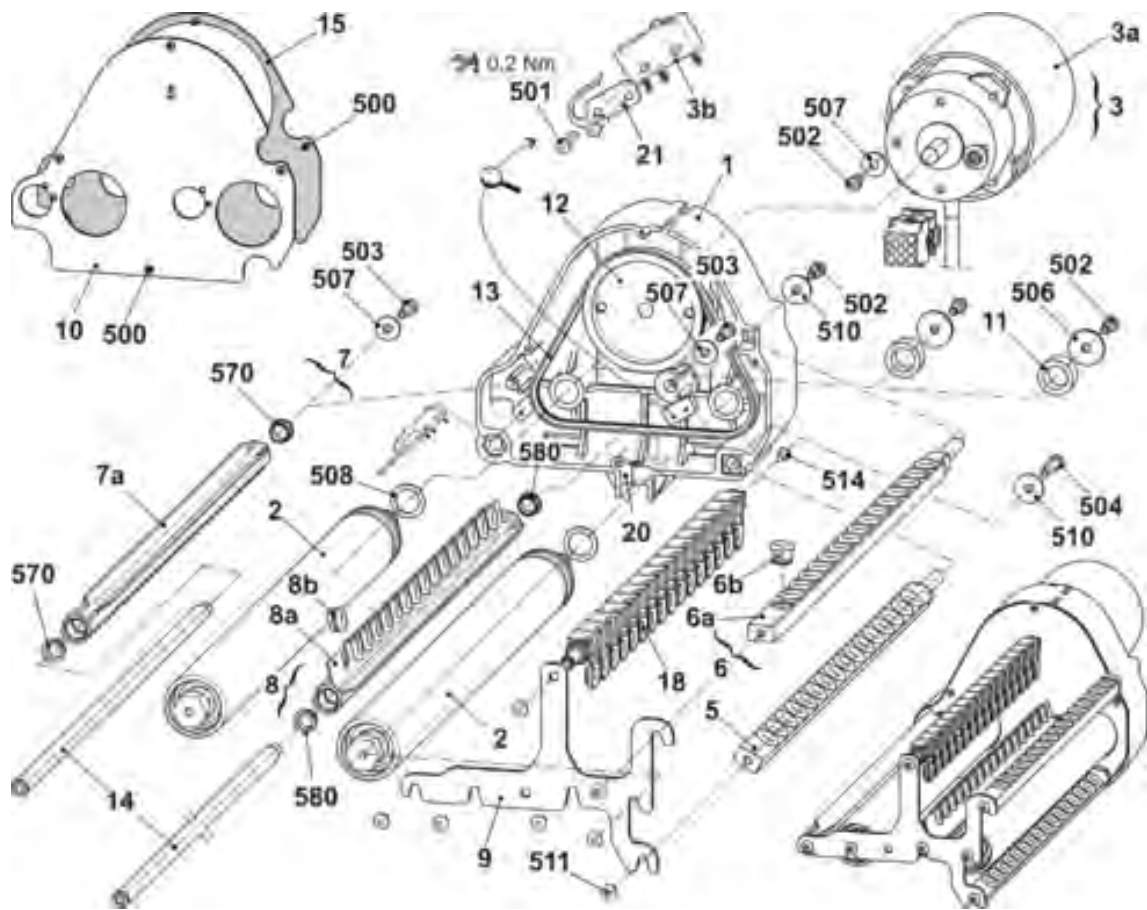
Pos	Designation	ID		Pos	Designation	ID
ΣL	Friction feed wheel on the left co. 16-fold	244 991		ΣR	Friction feed wheel on the right co. 16-fold	244 992
1	Friction feed wheel on the left	244 185		1	Friction feed wheel on the right	244 186
2	Support on the left	243 869		2	Support on the right	244 142
501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



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

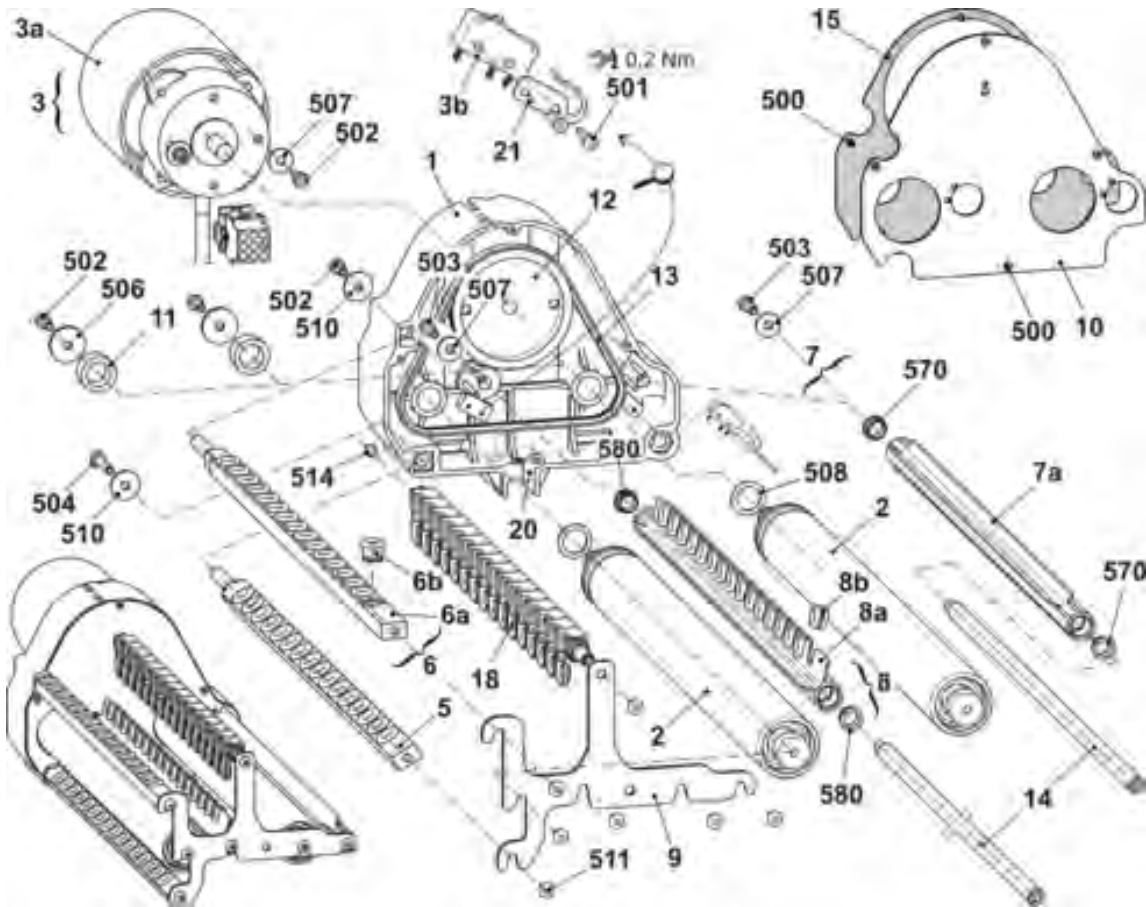
18.18.1 Friction feed wheel on the left

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



18.18.2 Friction feed wheel on the right

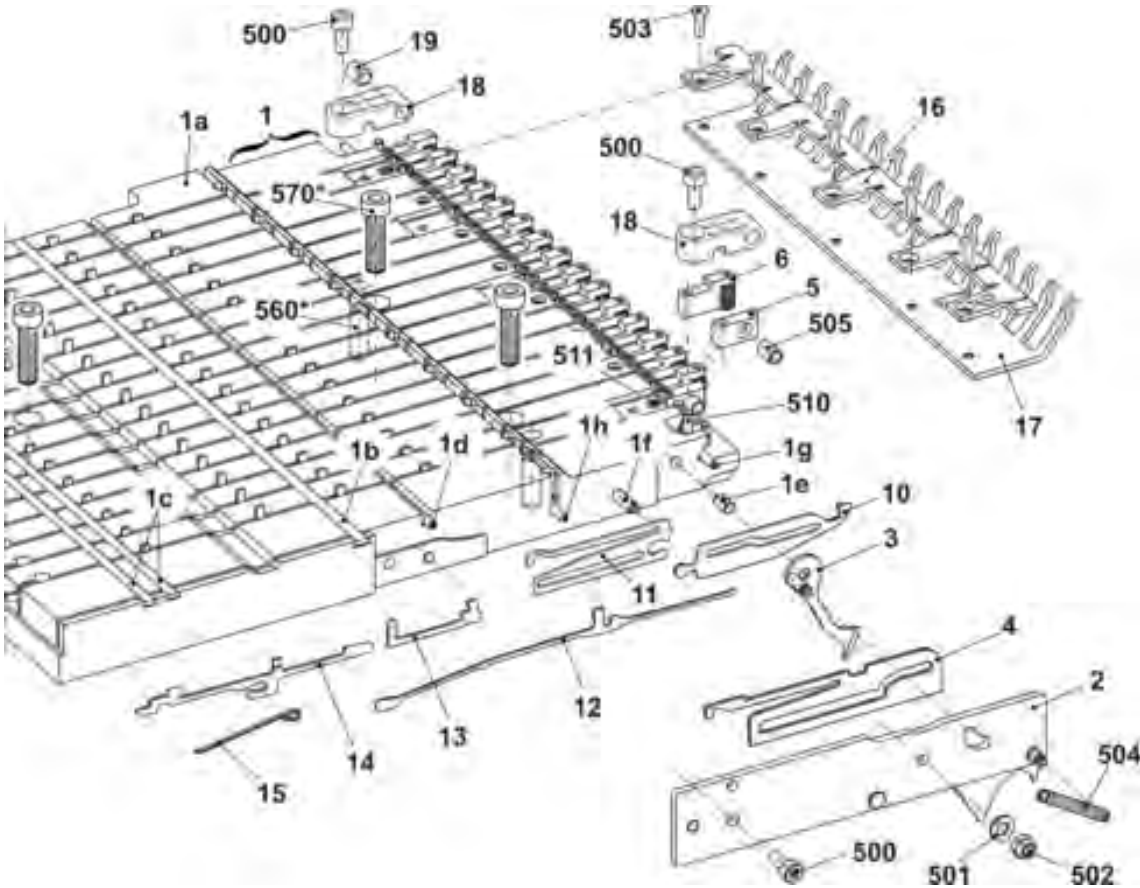
Pos	Designation		Id		Pos	Designation		Id
Σ	Friction feed wheel 16 fold on the right complete		244 186		11	Bush		221 391
1	Housing		240 368		12	Ribbed V-belt pulley		221 268
2	Friction roller complete		243 860		13	Ribbed V-belt		206 927
3	Three-phase A.C. motor 3x42V complete		219 800		14	Rod		243 868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



18.19 Left clamping/cutting bed E5|E7|E8|E2,5.2|E3,5.2|E5.2|E6.2

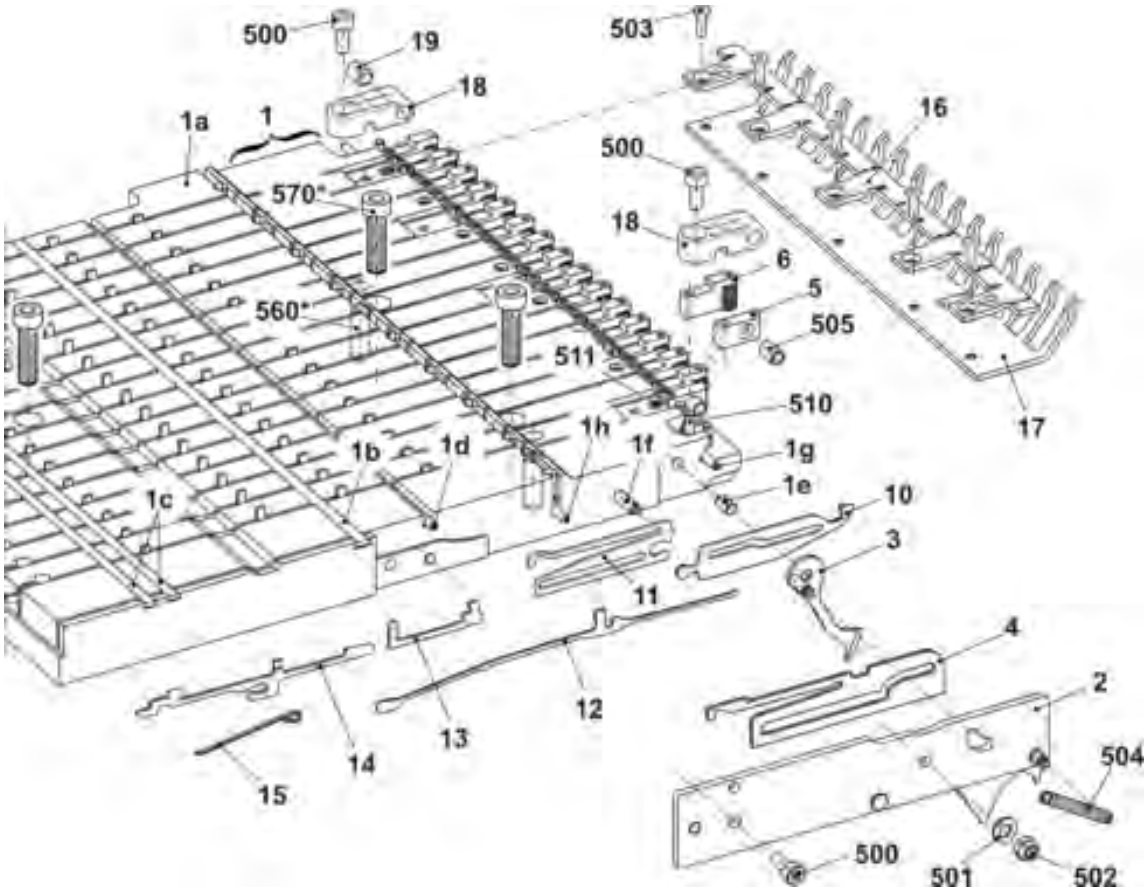
18.19 Left clamping/cutting bed
E5|E7|E8|E2,5.2|E3,5.2|E5.2|E6.2

Pos	Designation		Id		Pos	Designation		Id
Σ	Clamping/cutting bed on the left E5-8		253 653					
1	Guide plate on the left E5-14		257 236		11	Intermediate cam (E10-14)		244 591
	1a	Guide plate on the left E5-14	257 232		12	Coupling part E4-8		200 682
	1b	Cover rail	243 923		13	Intermediate slider with brake E5-8		237 323
	1c	Cover rail	243 924		14	Selection jack E4-8		200 687
	1d	Fixed wire	243 925		15	Selector spring E4-8		200 690
	1e	Axle	257 201		16	Holding strip on the left		256 996
	F 1	Guide pin	211 351		17	Deflector plate on the left		255 556
	1g	Fixed wire	215 927		18	Spring holder		255 724
	1h	Fixed wire	244 589		19	Threaded bolt		255 723
	510	Setting pin 3x14	252 771		500	Cap screw M4X10		023 136
	511	Set screw M5x5	236 061		501	Hexagon nut M4-8		023 046
2	Cover on the left complete E10-14		251 120		502	U-washer 4		020 870
3	Catch hook on the left E10-14		251 377		503	Countersunk head screw M3x10		242 029
4	Slider E5-14		253 084		504	Tension spring 5x0.5x17.4		023 377
5	Blade		243 948		505	Compression spring D 117 B 07x4.3x12.1		023 521
6	Clamp on the left complete		244 633		560*	Setting pin 6x16		020 677
10	Tuck needle on the left E5-8		244 729		570*	Cap screw M6x20		244 824



18.20 Clamping/cutting bed on the left E10 | E12 | E14 | E7.2

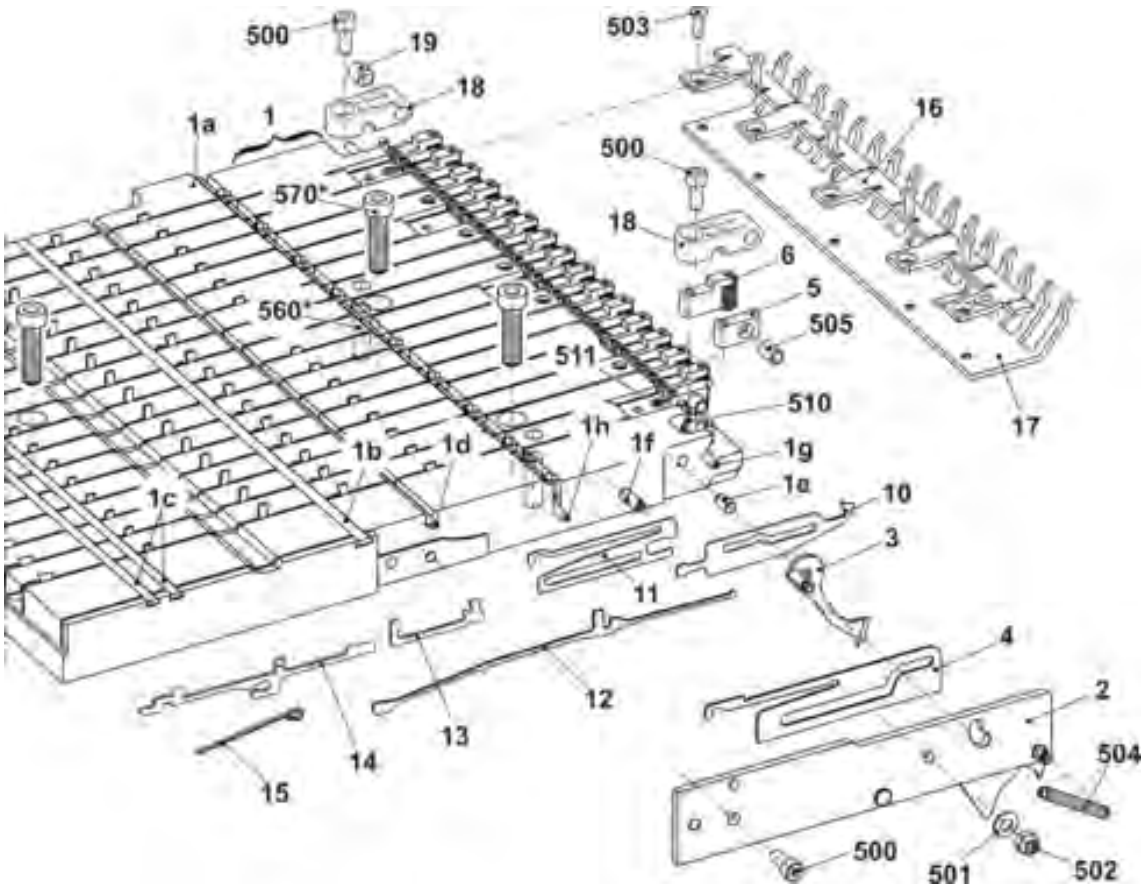
Pos	Designation		Id		Pos	Designation		Id
Σ	Clamping/cutting bed on the left E10-E14		253 655					
1	Guide plate on the left E5-14		257 236		11	Intermediate cam (E10-14)		244 591
	1a	Guide plate on the left E5-14	257 232		12	Coupling part E4-8		200 682
	1b	Cover rail	243 923		13	Intermediate slider with brake E5-8		237 323
	1c	Cover rail	243 924		14	Selection jack E4-8		200 687
	1d	Fixed wire	243 925		15	Selector spring E4-8		200 690
	1e	Axle	257 201		16	Holding strip on the left		256 996
	F 1	Guide pin	211 351		17	Deflector plate on the left		255 556
	1g	Fixed wire	215 927		18	Spring holder		255 724
	1h	Fixed wire	244 589		19	Threaded bolt		255 723
	510	Setting pin 3x14	252 771		500	Cap screw M4X10		023 136
	511	Set screw M5x5	236 061		501	Hexagon nut M4-8		023 046
2	Cover on the left complete E10-14		251 120		502	U-washer 4		020 870
3	Catch hook on the left E10-14		251 377		503	Countersunk head screw M3x10		242 029
4	Slider E5-14		253 084		504	Tension spring 5x0.5x17.4		023 377
5	Blade		243 948		505	Compression spring D 117 B 07x4.3x12.1		023 521
6	Clamp on the left complete		244 633		560*	Setting pin 6x16		020 677
10	Tuck needle on the left E10-14		244 630		570*	Cap screw M6x20		244 824



18.21 Clamping/cutting bed on the left E16|E18

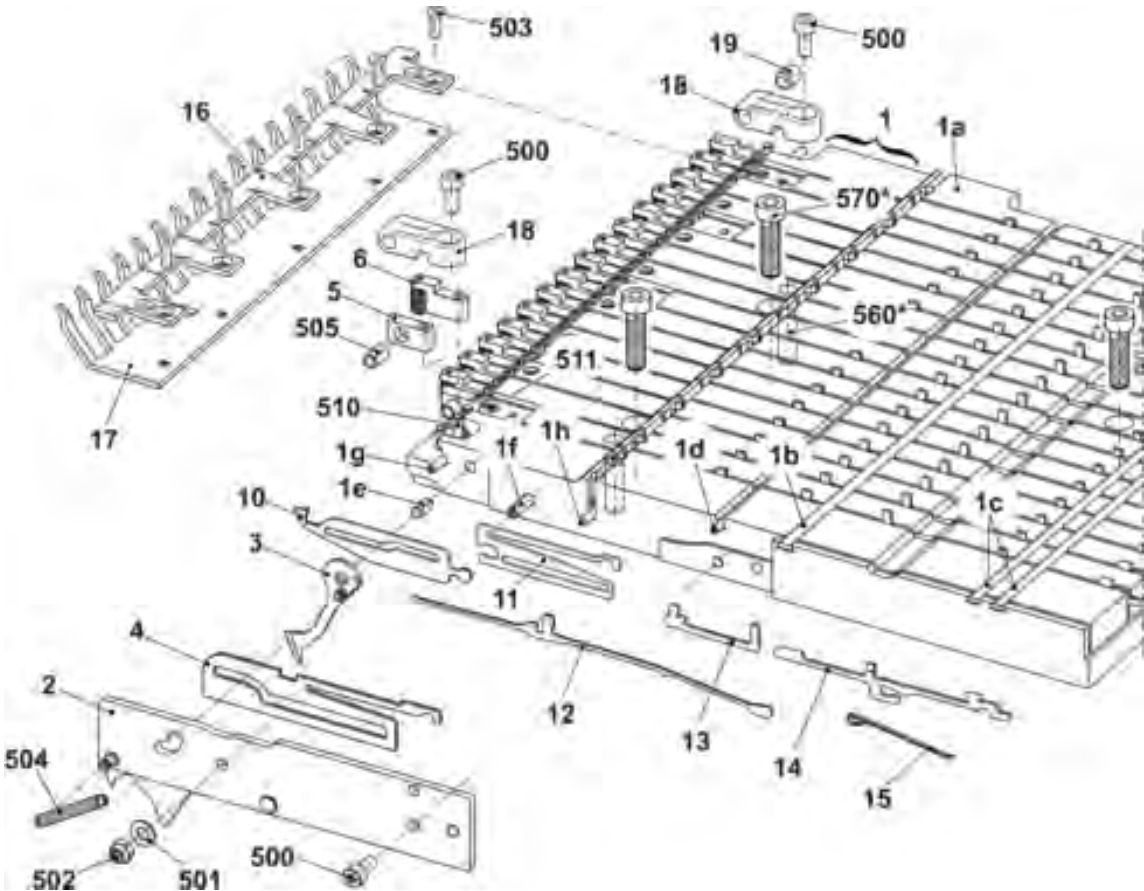
18.21 Clamping/cutting bed on the left E16|E18

Pos	Designation		Id		Pos	Designation		Id
Σ	Clamping/cutting bed on the left E16-18		244 821					
1	Guide plate on the left E5-14		257 238		11	Intermediate cam		244 741
	1a	Guide plate on the left E5-14	257 234		12	Coupling part E10-12		200 683
	1b	Cover rail	243 923		13	Intermediate slider with brake E5-E8		237 324
	1c	Cover rail	243 924		14	Selection jack E10-12		200 688
	1d	Fixed wire	243 925		15	Selector spring E10-12		200 691
	1e	Axle	257 201		16	Holding strip on the left		256 996
	F 1	Guide pin	211 351		17	Deflector plate on the left		255 556
	1g	Fixed wire	215 927		18	Spring holder		255 724
	1h	Fixed wire	244 589		19	Threaded bolt		255 723
	510	Setting pin 3x14	252 771		500	Cap screw M4X10		023 136
	511	Set screw M5x5	236 061		501	Hexagon nut M4-8		023 046
2	Cover on the left complete E16-20		242 835		502	U-washer 4		020 870
3	Catch hook on the left E16-18		242 831		503	Countersunk head screw M3x10		242 029
4	Slider E16-20		242 828		504	Tension spring 5x0.5x17.4		023 377
5	Blade		243 948		505	Compression spring D 117 B 07x4.3x12.1		023 521
6	Clamp on the left complete		244 633		560*	Setting pin 6x16		020 677
10	Tuck needle on the left E16-18		244 740		570*	Cap screw M6x20		244 824



18.22 Right clamping/cutting bed E5 | E7 | E8 | E2,5.2 | E3,5.2 | E5.2 | E6.2

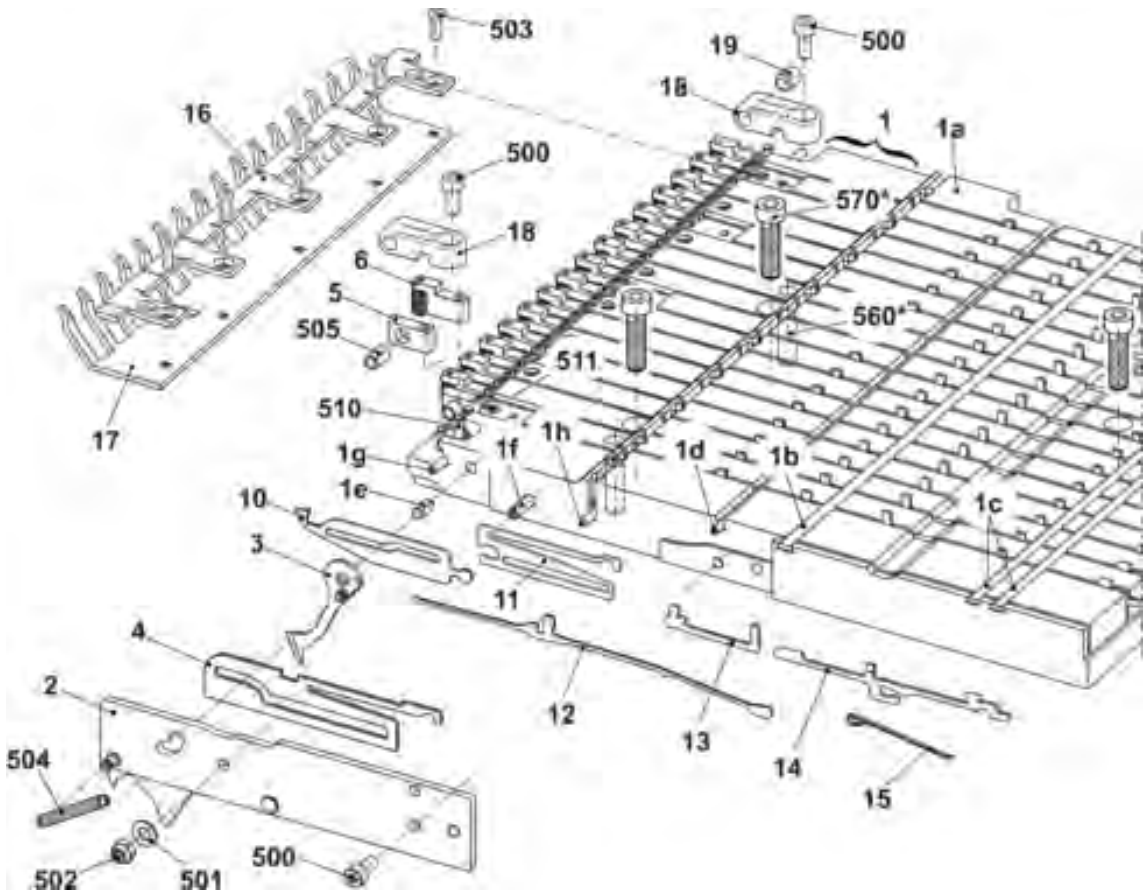
Pos	Designation		Id	Pos	Designation		Id
Σ	Clamping/cutting bed E5-8 on the right		253 652				
1	Guide plate on the right E5-14		257 235	11	Intermediate cam (E10-14)		244 591
	1a	Guide plate on the right E5-14	257 231	12	Coupling part E4-8		200 682
	1b	Cover rail	243 923	13	Intermediate slider with brake E5-8		237 323
	1c	Cover rail	243 924	14	Selection jack E4-8		200 687
	1d	Fixed wire	243 925	15	Selector spring E4-8		200 690
	1e	Axle	257 201	16	Holding strip on the right		256 995
	F 1	Guide pin	211 351	17	Deflector plate on the right		255 555
	1g	Fixed wire	215 927	18	Spring holder		255 724
	1h	Fixed wire	244 589	19	Threaded bolt		255 723
	510	Setting pin 3x14	252 771	500	Cap screw M4X10		023 136
	511	Set screw M5x5	236 061	501	Hexagon nut M4-8		023 046
2	Cover on the right complete E10-14		251 119	502	U-washer 4		020 870
3	Catch hook on the right E10-14		251 378	503	Countersunk head screw M3x10		242 029
4	Slider E5-14		253 084	504	Tension spring 5x0.5x17.4		023 377
5	Blade		243 948	505	Compression spring D 117 B 07x4.3x12.1		023 521
6	Clamp on the right complete		244 602	560*	Setting pin 6x16		020 677
10	Tuck needle on the right E5-8		244 728	570*	Cap screw M6x20		244 824



18.23 Clamping/cutting bed on the right E10|E12|E14|E7.2

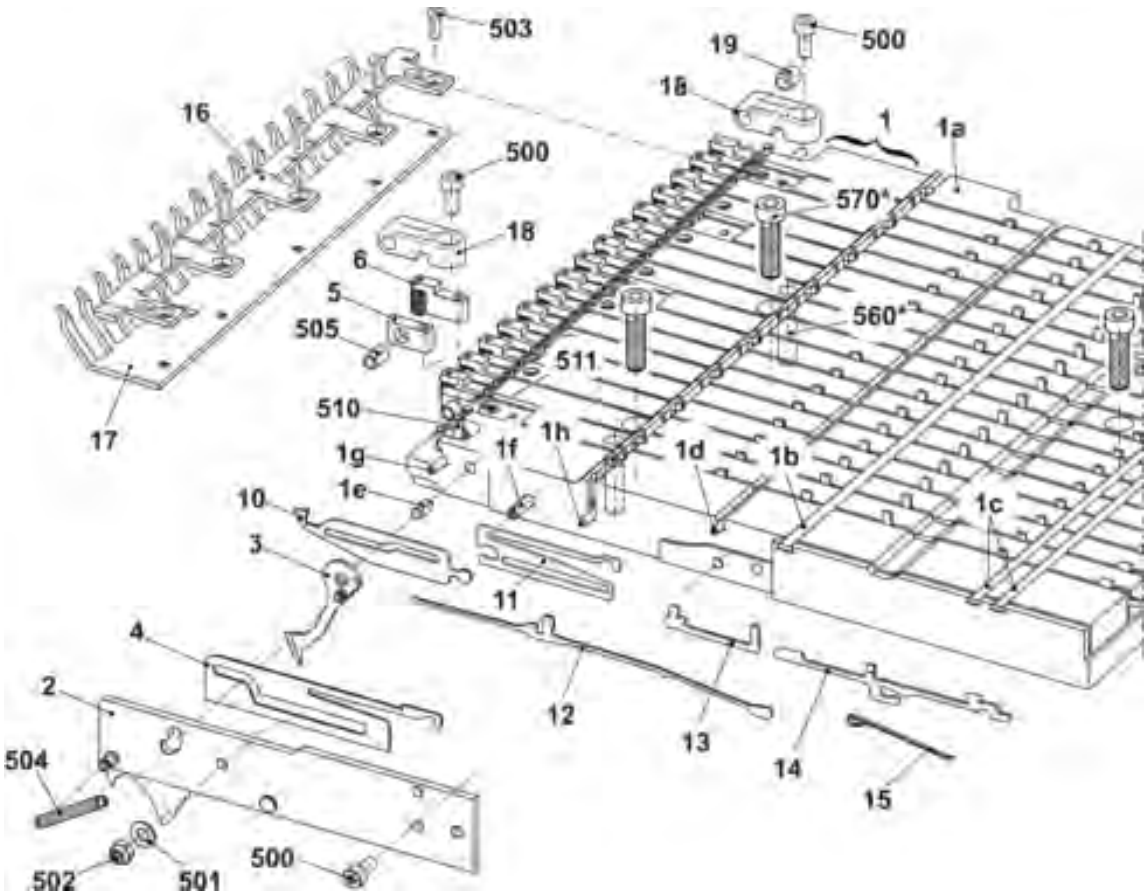
18.23 Clamping/cutting bed on the right
E10|E12|E14|E7.2

Pos	Designation		Id		Pos	Designation		Id
Σ	Clamping/cutting bed on the right E10-14		253 654					
1	Guide plate on the right E5-14		257 235		11	Intermediate cam (E10-14)		244 591
	1a	Guide plate on the right E5-14	257 231		12	Coupling part E4-8		200 682
	1b	Cover rail	243 923		13	Intermediate slider with brake E5-8		237 323
	1c	Cover rail	243 924		14	Selection jack E4-8		200 687
	1d	Fixed wire	243 925		15	Selector spring E4-8		200 690
	1e	Axle	257 201		16	Holding strip on the right		256 995
	F 1	Guide pin	211 351		17	Deflector plate on the right		255 555
	1g	Fixed wire	215 927		18	Spring holder		255 724
	1h	Fixed wire	244 589		19	Threaded bolt		255 723
	510	Setting pin 3x14	252 771		500	Cap screw M4X10		023 136
	511	Set screw M5x5	236 061		501	Hexagon nut M4-8		023 046
2	Cover on the right complete E10-14		251 119		502	U-washer 4		020 870
3	Catch hook on the right E10-14		251 378		503	Countersunk head screw M3x10		242 029
4	Slider E5-14		253 084		504	Tension spring 5x0.5x17.4		023 377
5	Blade		243 948		505	Compression spring D 117 B 07x4.3x12.1		023 521
6	Clamp on the right complete		244 602		560*	Setting pin 6x16		020 677
10	Tuck needle on the right E10-14		244 592		570*	Cap screw M6x20		244 824



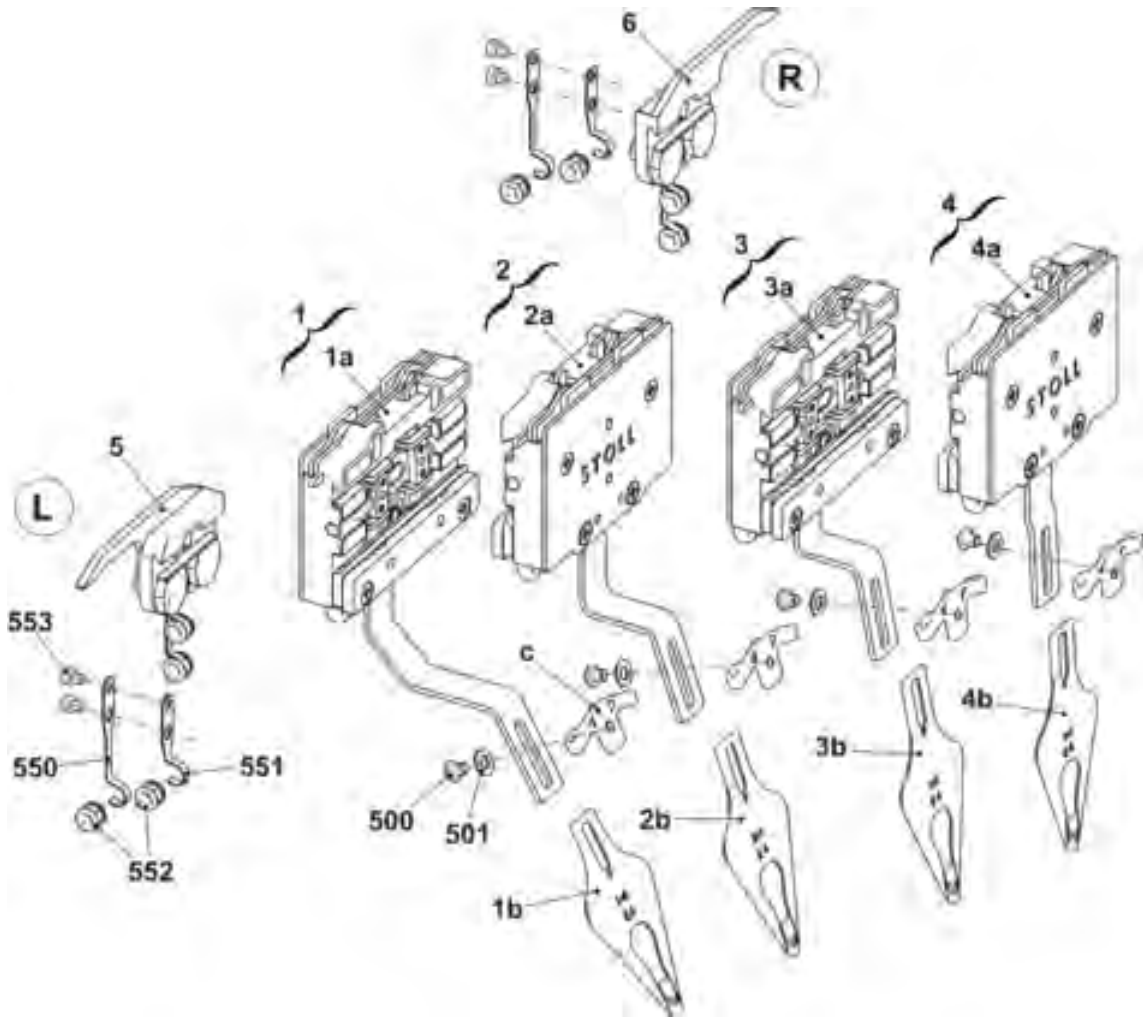
18.24 Clamping/cutting bed on the right E16|E18

Pos	Designation		Id		Pos	Designation		Id
Σ	Clamping/cutting bed on the right E16-18		244 062					
1	Guide plate on the right E16-18		257 237		11	Intermediate cam		244 741
	1a	Guide plate on the right E16-18	257 233		12	Coupling part E10-12		200 683
	1b	Cover rail	243 923		13	Intermediate slider with brake E5-E8		237 324
	1c	Cover rail	243 924		14	Selection jack E10-12		200 688
	1d	Fixed wire	243 925		15	Selector spring E10-12		200 691
	1e	Axle	257 201		16	Holding strip on the right		256 995
	F 1	Guide pin	211 351		17	Deflector plate on the right		255 555
	1g	Fixed wire	215 927		18	Spring holder		255 724
	1h	Fixed wire	244 589		19	Threaded bolt		255 723
	510	Setting pin 3x14	252 771		500	Cap screw M4X10		023 136
	511	Set screw M5x5	236 061		501	Hexagon nut M4-8		023 046
2	Cover on the right complete E16-18		242 836		502	U-washer 4		020 870
3	Catch hook on the right E16-18		242 833		503	Countersunk head screw M3x10		242 029
4	Slider E16-18		242 828		504	Tension spring 5x0.5x17.4		023 377
5	Blade		243 948		505	Compression spring D 117 B 07x4.3x12.1		023 521
6	Clamp on the right complete		244 602		560*	Setting pin 6x16		020 677
10	Tuck needle on the right E16-18		244 739		570*	Cap screw M6x20		244 824



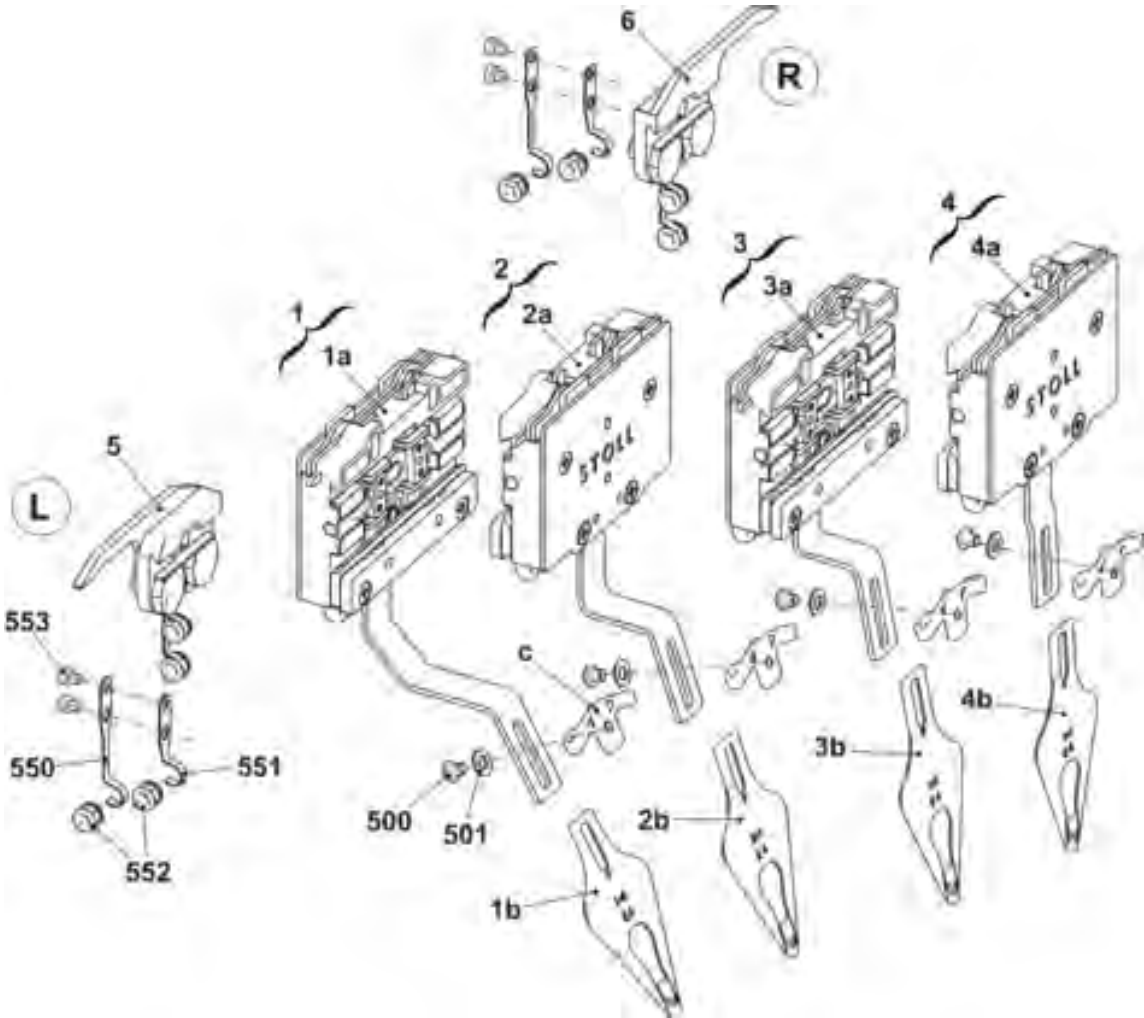
18.25 Yarn guide complete E5 | E3,5.2 | E5.2 IFF

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E5 IFF 32	245 161			
	Yarn guide complete E5 IFF 24	256 934			
1	IFF carriage complete 1+8 E5	250 319	5	Limiter on the left with two eyelets	244 446
	1a IFF carriage 1+8	250 315		550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E5	244 076		551 Eyelet holder complete	022 323
2	IFF carriage complete 2+7 E5	250 320		552 Eyelet 4.2	021 499
	2a IFF carriage 2+7	250 316		553 Cap screw M3.5x4	020 011
	2b Yarn carrier head 2+7 complete E5	244 077	6	Limiter on the right with two eyelets	244 445
3	IFF carriage complete 3+6 E5	250 321	c	Yarn guide angle	242 863
	3a IFF carriage 3+6	250 317	500	Pan-head screw M4x5	239 549
	3b Yarn carrier head 3-6 complete E5	244 078	501	U-washer 4	020 870
4	IFF carriage complete 4+5 E5	250 322			
	4a IFF carriage 4+5	250 318			
	4b Yarn carrier head 3-6 complete E5	244 078			



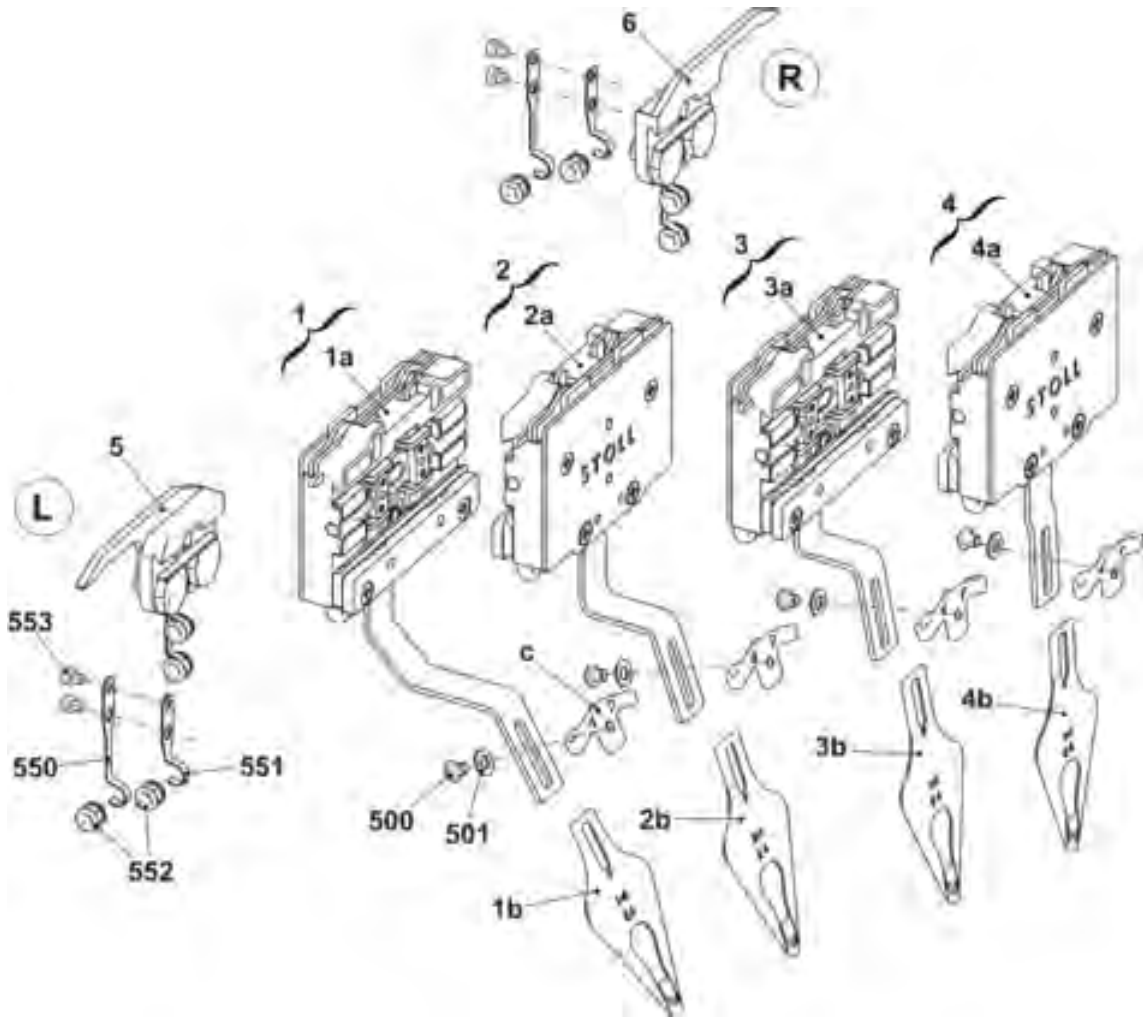
18.26 Yarn guide complete E7 | E8 | E6.2 IFF

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E7-8 IFF (32)	245 162			
	Yarn guide complete E7-8 IFF (24)	253 935			
1	IFF carriage complete 1+8 E7-8	250 323			
	1a IFF carriage 1+8	250 315			
	1b Yarn carrier head 1+8 complete E7-8	244 082			
2	IFF carriage complete 1+8 E7-8	250 324	5	Limiters on the left with two eyelets	244 446
	2a IFF carriage 2+7	250 316		550 Eyelet holder complete	022 324
	2b Yarn carrier head 2+7 complete E7-8	244 083		551 Eyelet holder complete	022 323
3	IFF carriage complete 3+6 E7-8	250 325		552 Eyelet 4.2	021 499
	3a IFF carriage 3+6	250 317		553 Cap screw M3.5x4	020 011
	3b Yarn carrier head 3-6 complete E7-8	244 084	6	Limiters on the right with two eyelets	244 445
4	IFF carriage complete 4+5 E7-8	250 326	c	Yarn guide angle	242 863
	4a IFF carriage 4+5	250 318	500	Pan-head screw M4x5	239 549
	4b Yarn carrier head 3-6 complete E7-8	244 084	501	U-washer 4	020 870



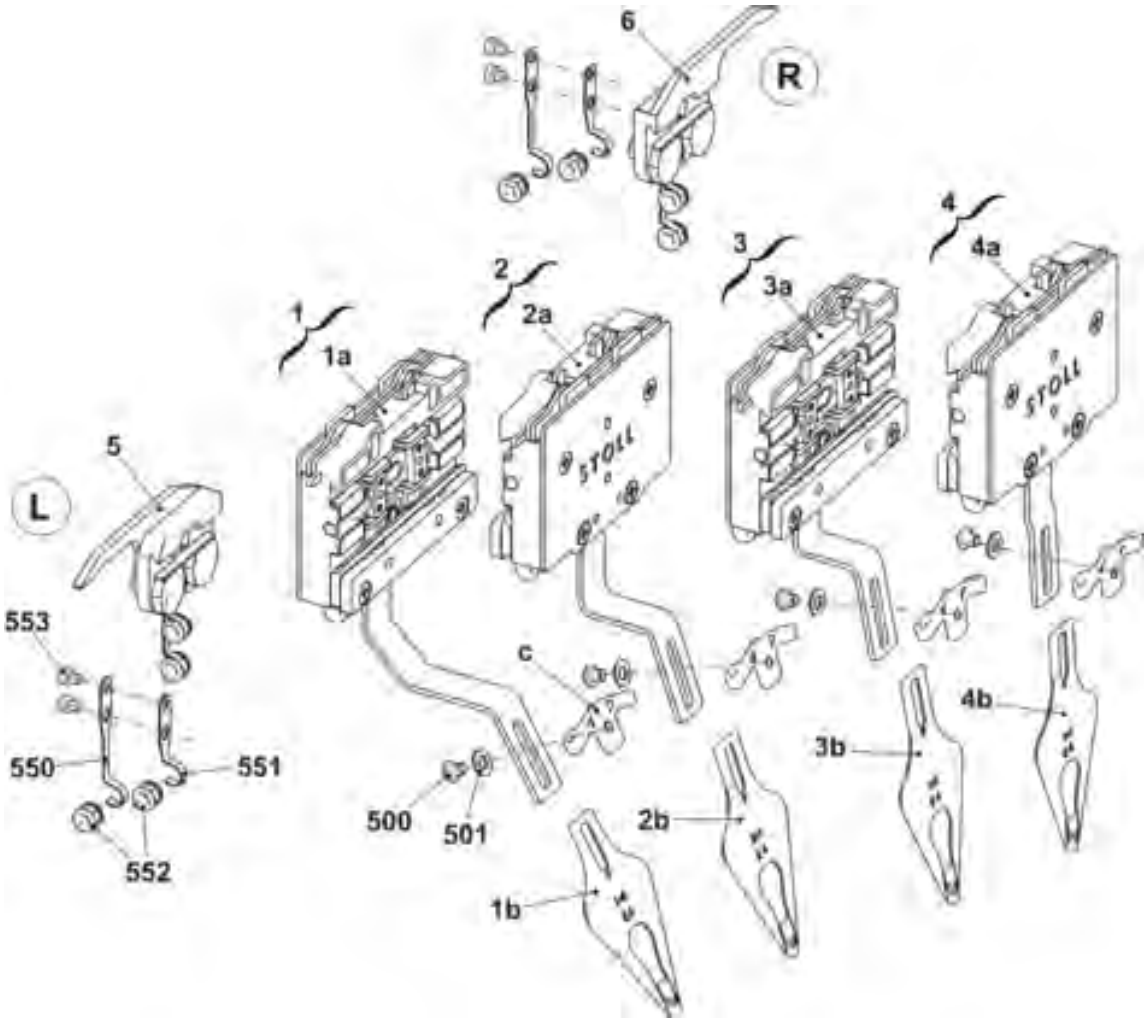
18.27 Yarn guide complete E10|E12|E14|E7.2 IFF

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E10-14 IFF (32)	245 163			
	Yarn guide complete E10-14 IFF (24)	256 936			
1	IFF carriage complete 1+8 E10-14	250 327	5	Limiter on the left with two eyelets	244 446
	1a IFF carriage 1+8	250 315		550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E10-14	250 008		551 Eyelet holder complete	022 323
2	IFF carriage complete 2+7 E10-14	250 328		552 Eyelet 4.2	021 499
	2a IFF carriage 2+7	250 316		553 Cap screw M3.5x4	020 011
	2b Yarn carrier head 2+7 complete E10-14	250 009	6	Limiter on the right with two eyelets	244 445
3	IFF carriage complete 3+6 E10-14	250 329	c	Yarn guide angle	242 863
	3a IFF carriage 3+6	250 317	500	Pan-head screw M4x5	239 549
	3b Yarn carrier head 3-6 complete E10-14	250 010	501	U-washer 4	020 870
4	IFF carriage complete 4+5 E10-14	250 330			
	4a IFF carriage E10-14	250 318			
	4b Yarn carrier head 3-6 complete E10-14	250 010			



18.28 Yarn guide complete E16 | 18 IFF

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E16-18 IFF (32)	245 164			
	Yarn guide complete E16-18 IFF (24)	256 937			
1	IFF carriage complete 1+8 E16-18	250 331	5	Limiter on the left with two eyelets	244 446
	1a IFF carriage 1+8	250 315		550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E16-18	250 011		551 Eyelet holder complete	022 323
2	IFF carriage complete 2+7 E16-18	250 332		552 Eyelet 4.2	021 499
	2a IFF carriage 2+7	250 316		553 Cap screw M3.5x4	020 011
	2b Yarn carrier head 2+7 complete E16-18	250 012	6	Limiter on the right with two eyelets	244 445
3	IFF carriage complete 3+6 E16-18	250 333	c	Yarn guide angle	242 863
	3a IFF carriage 3+6	250 317	500	Pan-head screw M4x5	239 549
	3b Yarn carrier head 3-6 complete E16-18	250 013	501	U-washer 4	020 870
4	IFF carriage complete 4+5 E16-18	250 334			
	4a IFF carriage 4+5	250 318			
	4b Yarn carrier head 3-6 complete E16-18	250 013			



18.29 Additional board

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

