

STOLL

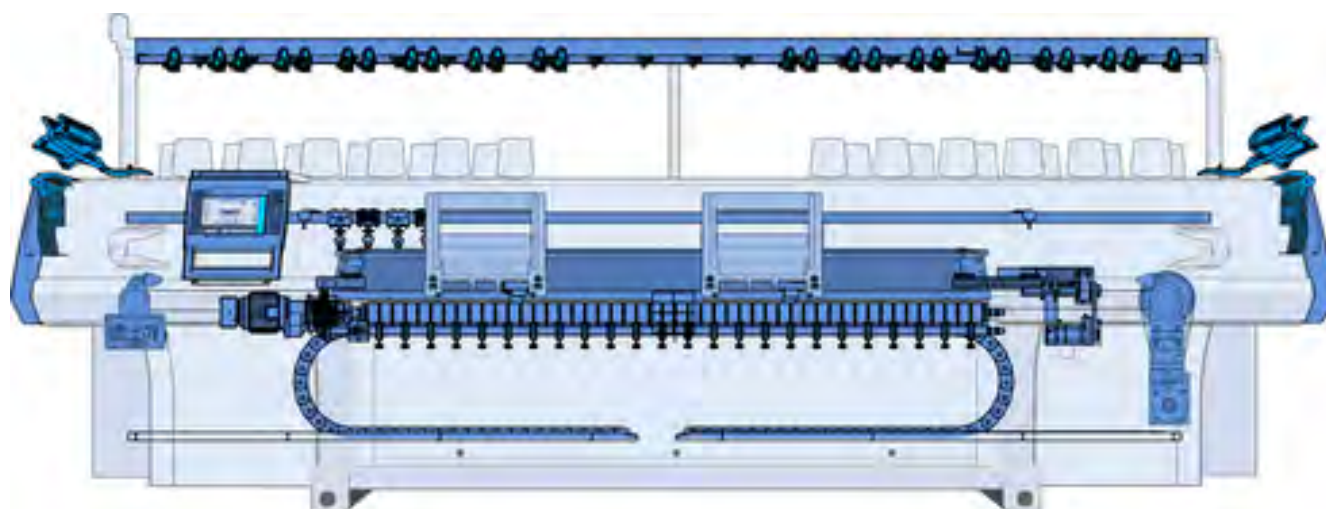
THE RIGHT WAY TO KNIT

Spare-parts catalog

CMS 933 (Type 773)

Component type 001

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



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1 Introduction

Imprint

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Notes for the order

This catalog serves to order spare parts.

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

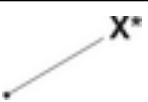
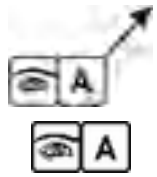
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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

Only genuine STOLL spare parts may be used for repairs.

1.1 Search help

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

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

1.2 Torques

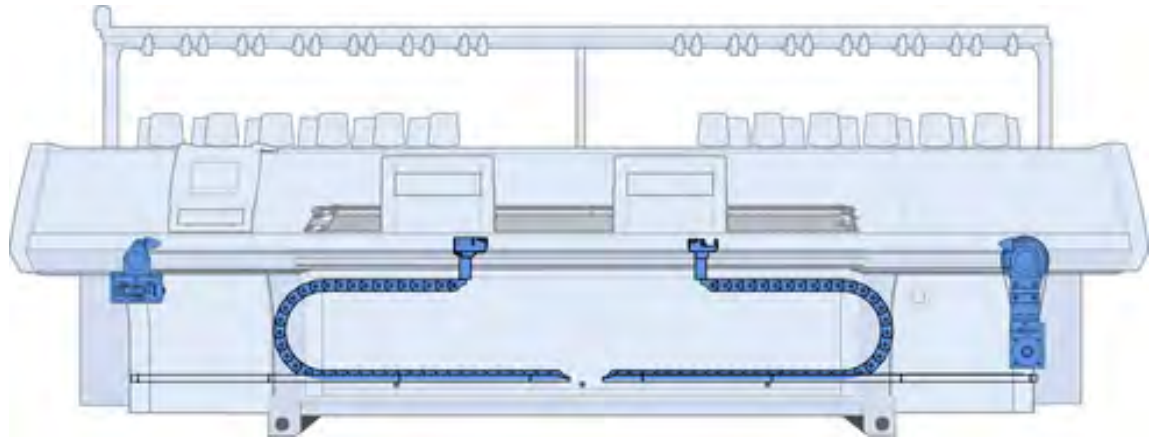
Drehmomente Torques Couples Coppias Momentos de rotación		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clasas de resistencia		
[Nm] ± 10 % (for $\mu_{\text{pers}} = 0,12$)		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filatto regolatore Filete regulador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

Preferential row of screw torques

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

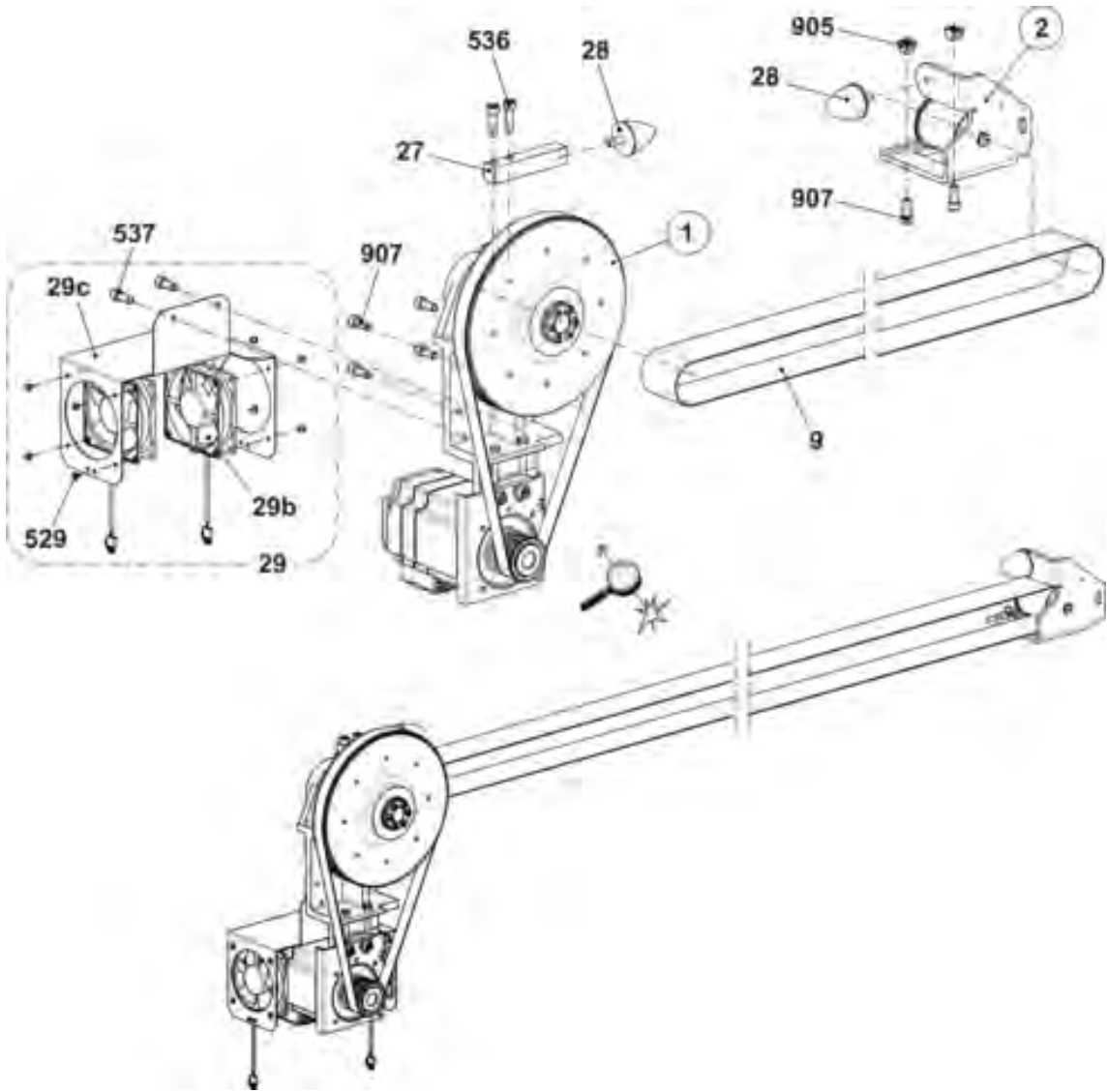
Notes:

2 Carriage drive



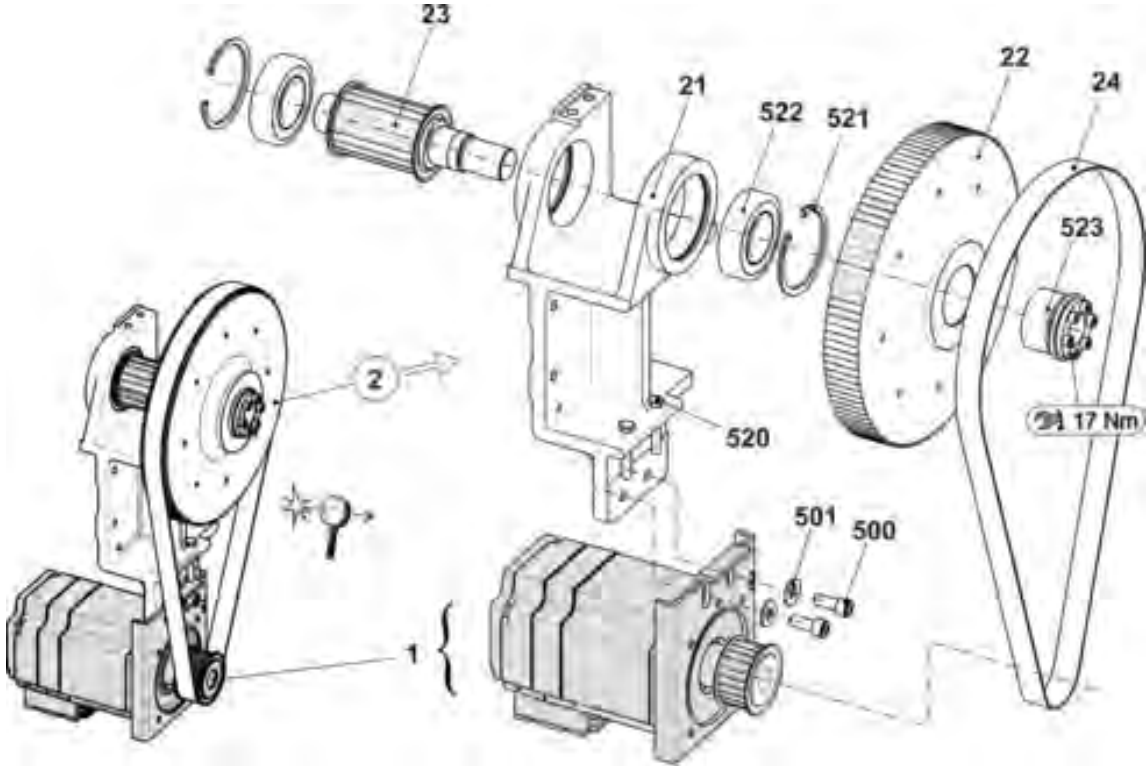
2.1 Drive

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive				
1	Drive unit complete	242 380	29	Fan complete	245 167
2	Tension bearing complete	253 614	29a	Fan plate drive motor	245 037
9	Toothed belt75AT10/8830	253 886	29b	Fan complete512	213 722
27	Support of buffer	242 748	29c	Fan plate drive motor	245 037
28	Parabolic spring	200 661	529	Screw 5x8, Fa. Gross Ord.-No.: 1462 0638-01	
536	Cap screw M10X35	020 159	905	Sliding nut M10X12	023 471
537	Cap screw M8x12	023 138	907	Cap screw M10X25	020 157



2.1.1 Drive unit

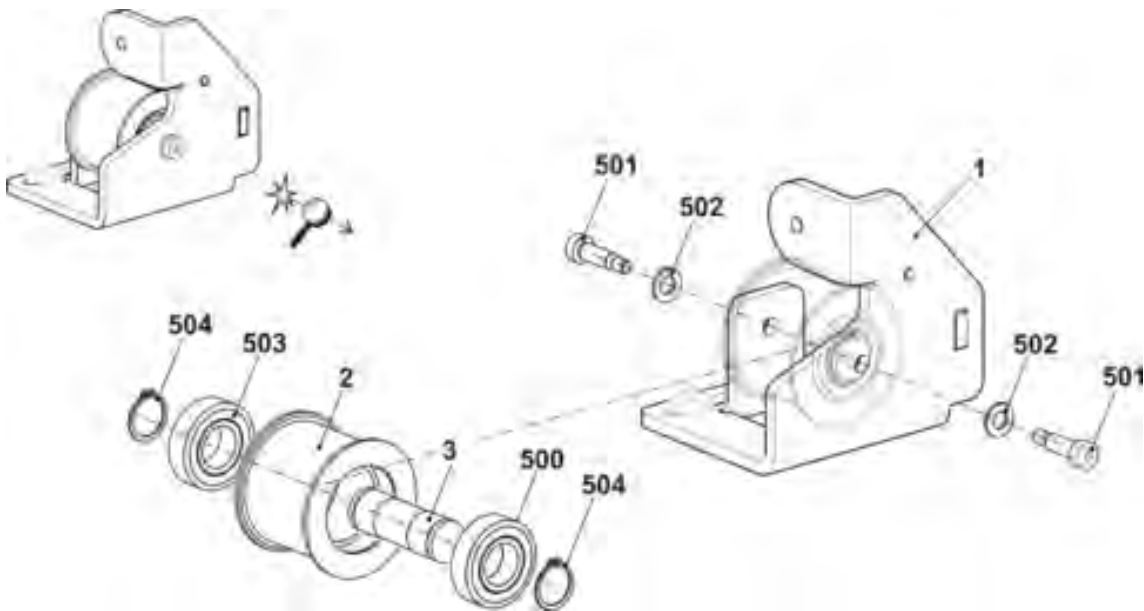
Pos	Designation	ID		Pos	Designation	ID
Σ	Drive unit complete	242 380				
1	Drive unit	258 190		520	Hexagon screw M8x50	020 364
2	Drive bearing	242 378		521	Locking ring80x2,5	023 461
	21	Housing drive bearing		522	Grooved ball bearing6307-2RS	023 462
	22	Timing belt pulley115 S8M 250		523	Tension set 30x55	023 208
	23	PinionAT10 Z=20		500	Cap screw M10x25	020 157
	24	Toothed belt250 HP-S8M 1312		501	Disk10,5x25x2,5	022 178



2.1 Drive

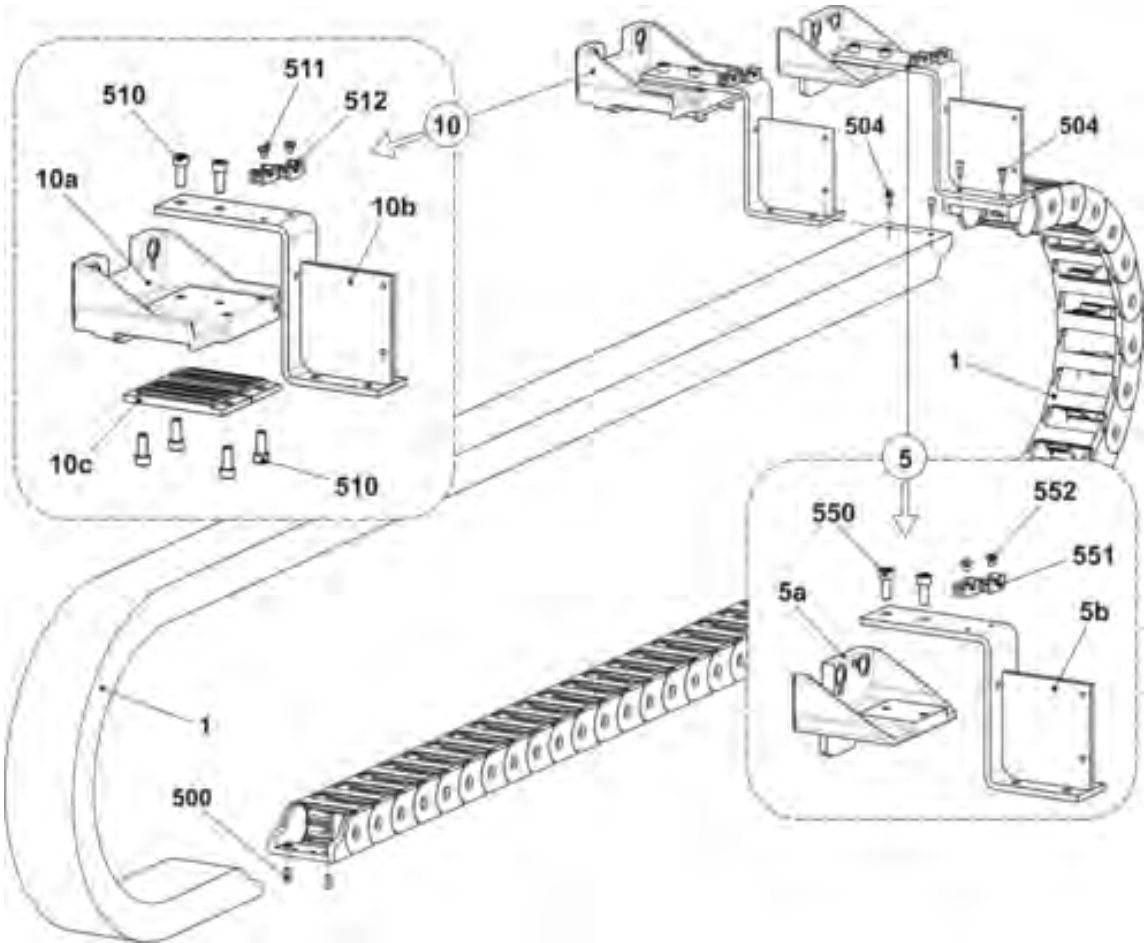
2.1.2 Tension bearing

Pos	Designation	ID		Pos	Designation	ID
Σ	Tension bearing complete	253 614		501	Cap screw M10x25	023 751
1	Tension bearing	253 611		502	Washer10	020 874
2	Tension roller	256 642		503	Grooved ball bearing6305-2RS	255 686
3	Axle	253 613		504	Locking ring25x1,2	251 617



2.2 Energy chain and plunger

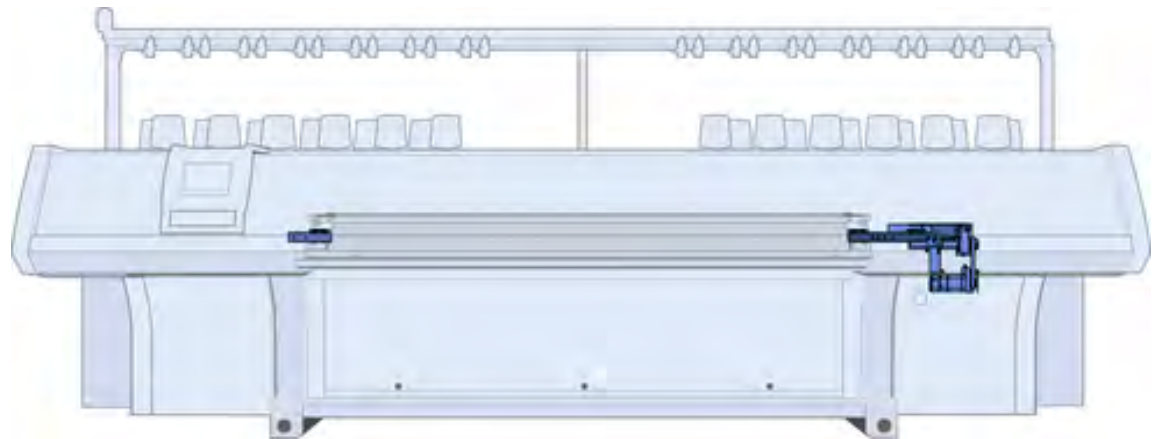
Pos	Designation	ID		Pos	Designation	ID
1	Energy chain 45 links	220 389		10	Carriage driver complete	242 743
500	Cap screw M6x8	023 411		A10	Carriage driver	242 738
5	Stop point complete	242 774		B10	Cable driver	242 730
5a	Stop point	242 753		10c	Clamping plate	232 493
5b	Cable driver	242 730		510	Cap screw M8x20	020 141
550	Cap screw M8x20	020 141		511	Pan-head screw M5x6	023 284
551	Fixing element	026 489		512	Fixing element	026 489
552	Pan-head screw M5x6	023 284		504	Cap screw M6x16	020 135



2.2 Energy chain and plunger

Notes:

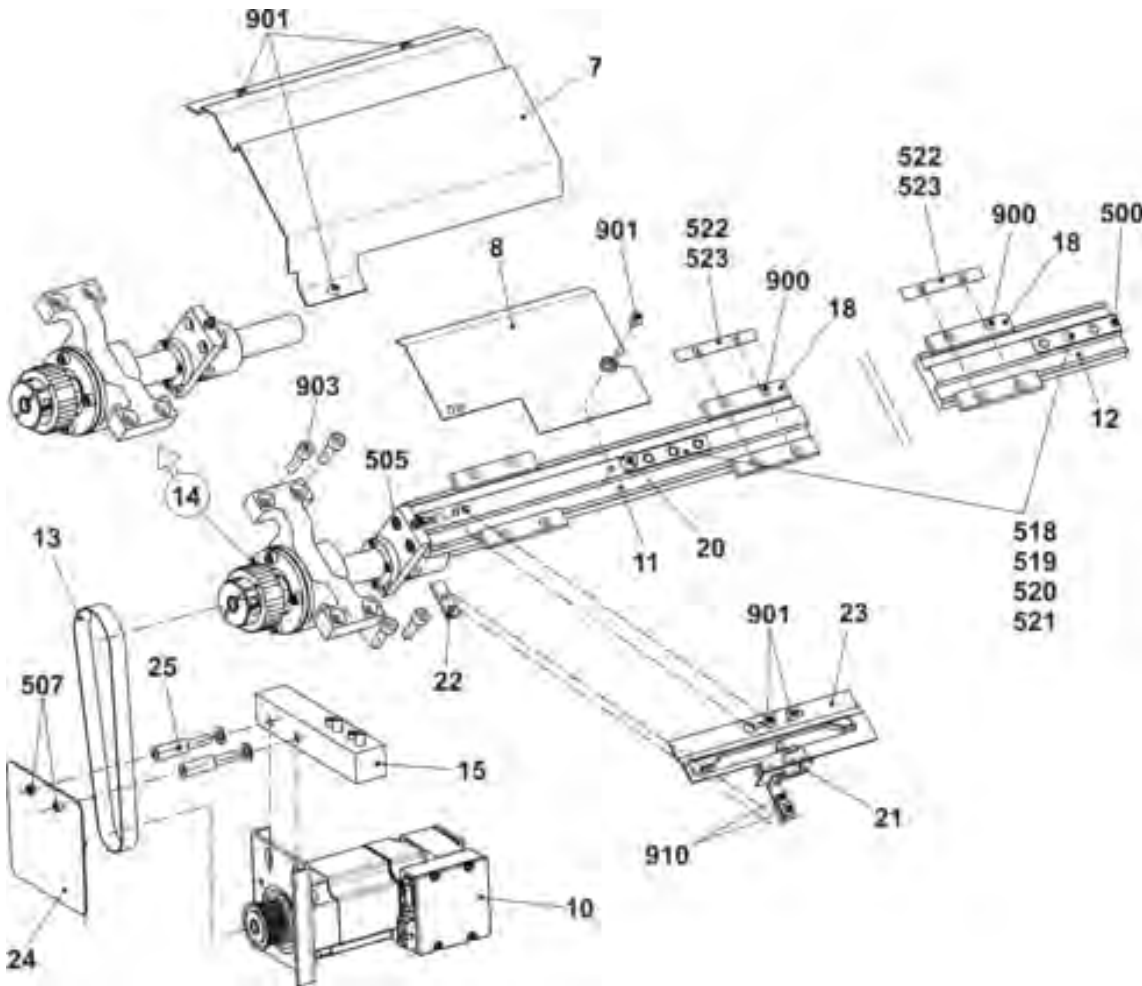
3 Racking



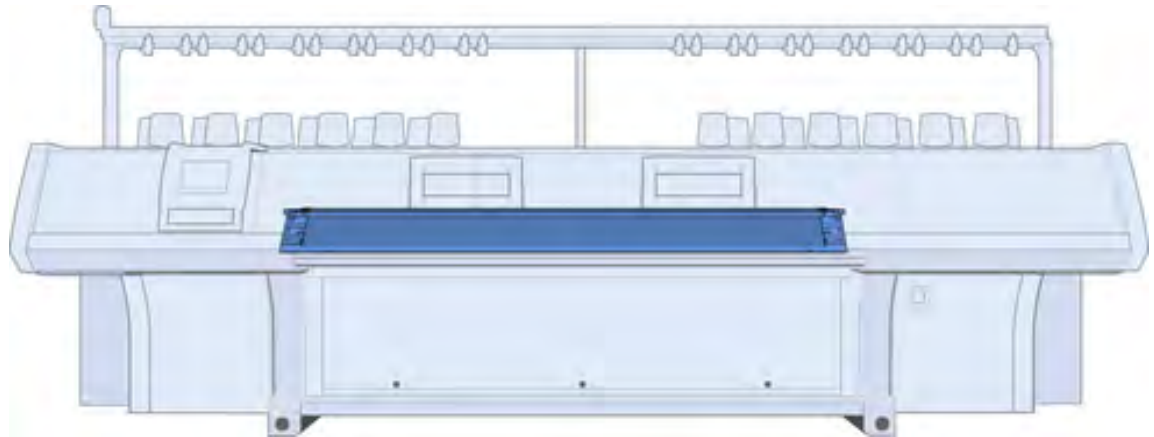
3.1 Racking drive

3.1 Racking drive

Pos	Designation	ID	Pos	Designation	ID
Σ	Racking		25	Distance bolt	232 543
7	Racking cover plate	242 314	500	Cap screw M4x4	022 767
8	Racking cover plate movable	242 312	505	Cap screw M6x16	023 116
10	Three-phase AC servo motor racking complete	258 192	507	Cap screw M5x12	020 132
11	Racking strip	242 311	518	Shim0,03x15x85	023 162
12	Racking strip on the left	211 022	519	Shim0,05x15x85	023 163
13	Toothed belt150 S 5M 490	229 281	520	Shim0,1x15x85	023 164
14	Spindle bearing	253 262	521	Shim0,2x15x85	023 170
15	Bearing	227 604	522	Shim0,03x11x80	023 286
18	Guide strip	206 382	523	Shim0,05x11x80	023 287
20	Stop screw	218 783	530	Pan-head screw M6x10	023 183
21	Card racking limit switch	229 396	900	Cap screw M6x12	022 795
22	Shim	229 715	901	Pan-head screw M6x10	023 183
23	Switch plate	240 722	903	Cap screw M8x25	020 142
24	Cover plate	232 544	910	Pan-head screw M6x16	023 124



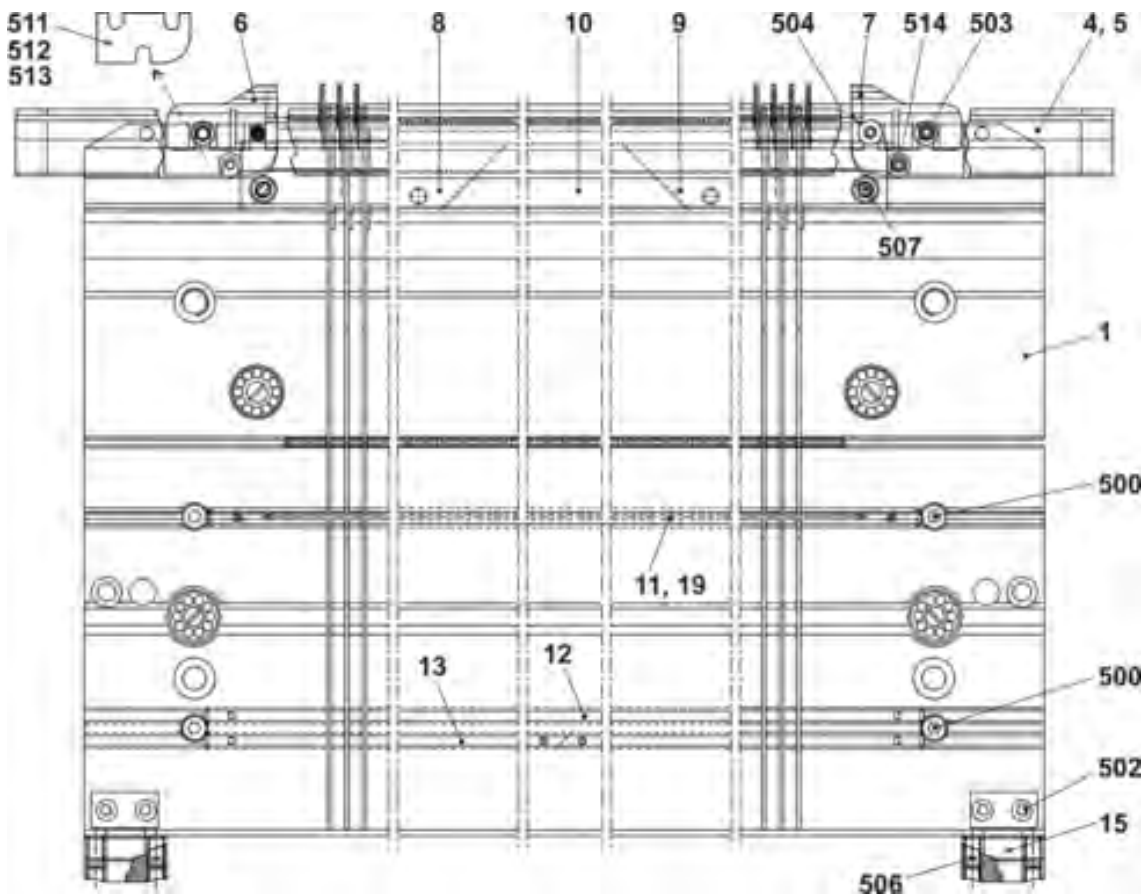
4 Needle beds



4.1 Needle bed E5

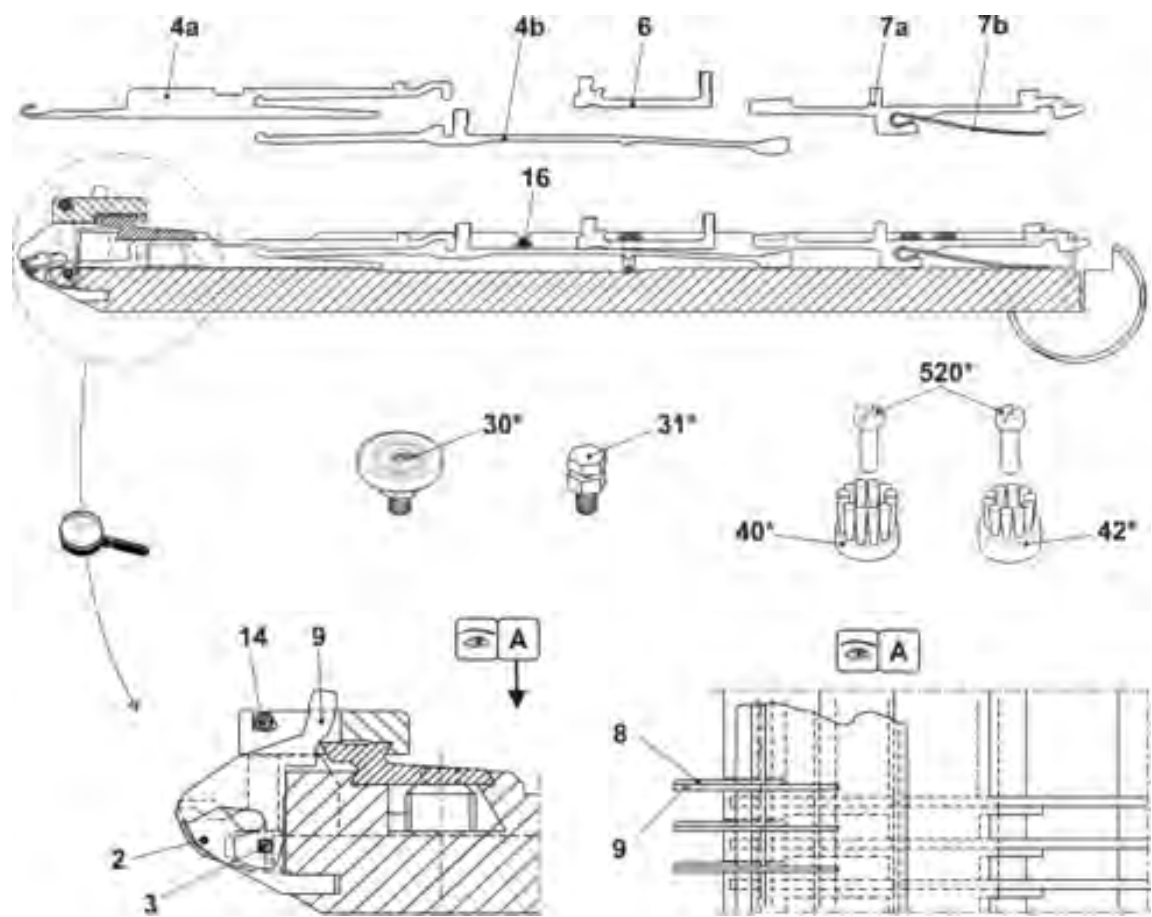
4.1 Needle bed E5

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E5	210 427		15	Support	206 352
1	Needle bed at the front + rearE5	210 991		19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E5	211 038		500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E5	211 045		502	Cap screw M6x25	020 137
6	Limiter on the leftE4-8	205 343		503	Cap screw M5x8-8.8	023 154
7	Limiter on the rightE4-8	205 344		504	Cap screw M5x22	023 193
8	Needle bar	205 311		506	SetscrewM6x12-45	022 400
9	Needle bar on the right	205 312		507	Springy thrust piece B-M10	023 177
10	Needle bar	210 977		511	Shim0,05x18,5x34	023 196
11	Cover rail at the frontE5	210 982		512	Shim0,1x18,5x34	023 197
12	Cover rail	210 978		513	Shim0,2x18,5x34	023 253
13	Cover rail	210 980		514	Cap screw M5x8	023 379



4.1.1 Continuation needle bed E5

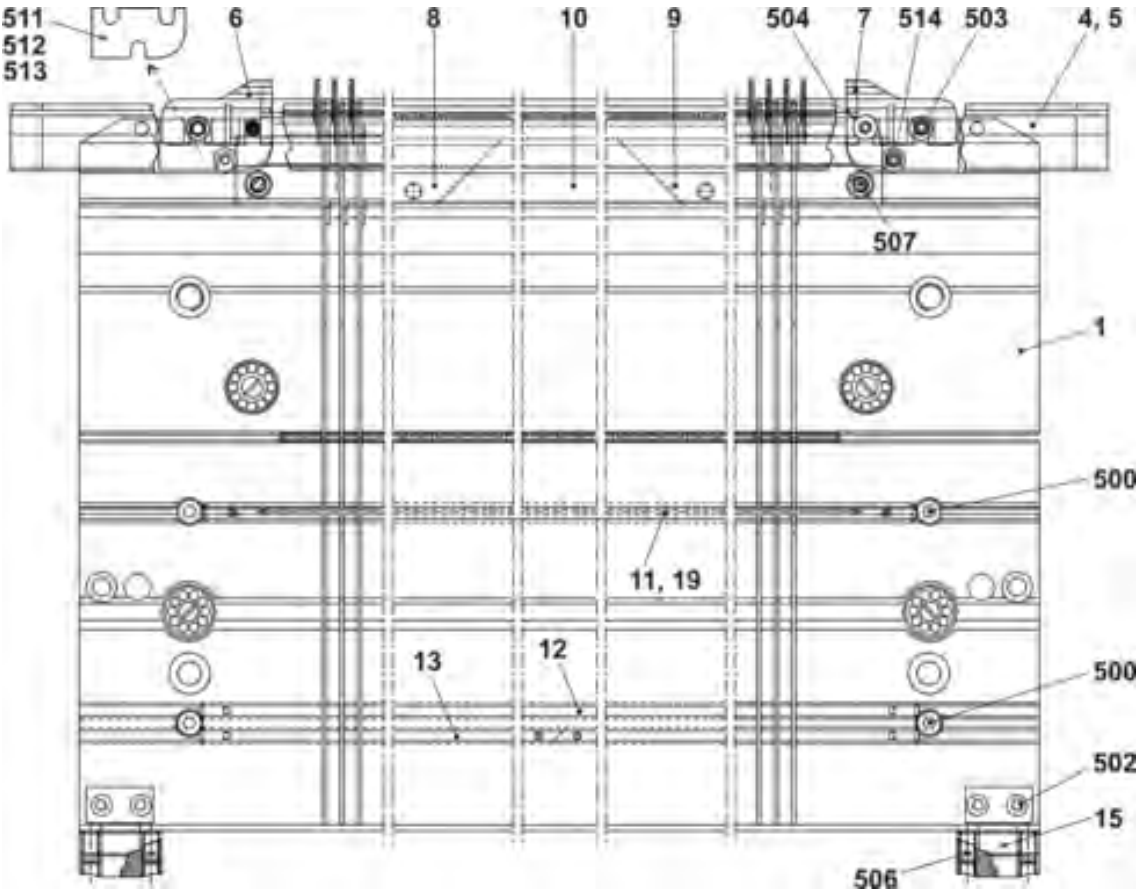
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E5	210 427				
2	Spring steel wire ø1,0	210 971		9	Holding-down jackE5	205 031
3	Spring steel wire ø2,0	210 972		14	Locating wireø2,8	210 974
4a	Needle E5-6 with round hook	205 396		16	Spring steel wire ø2,8	212 173
4b	Coupling partE4-8	200 682		30*	Adjusting piece	206 375
6	Intermediate slider with brake E5-8	237 323		31*	Set screw complete	207 712
7a	Selection jackE4-8	200 687		40*	Disk brush	235 612
7b	Selector springE4-8	200 690		42*	Disk brush	202 600
8	Knock-over bit E5	204 996		520*	Cap screw M5x12	020 032



4.2 Needle bed E7

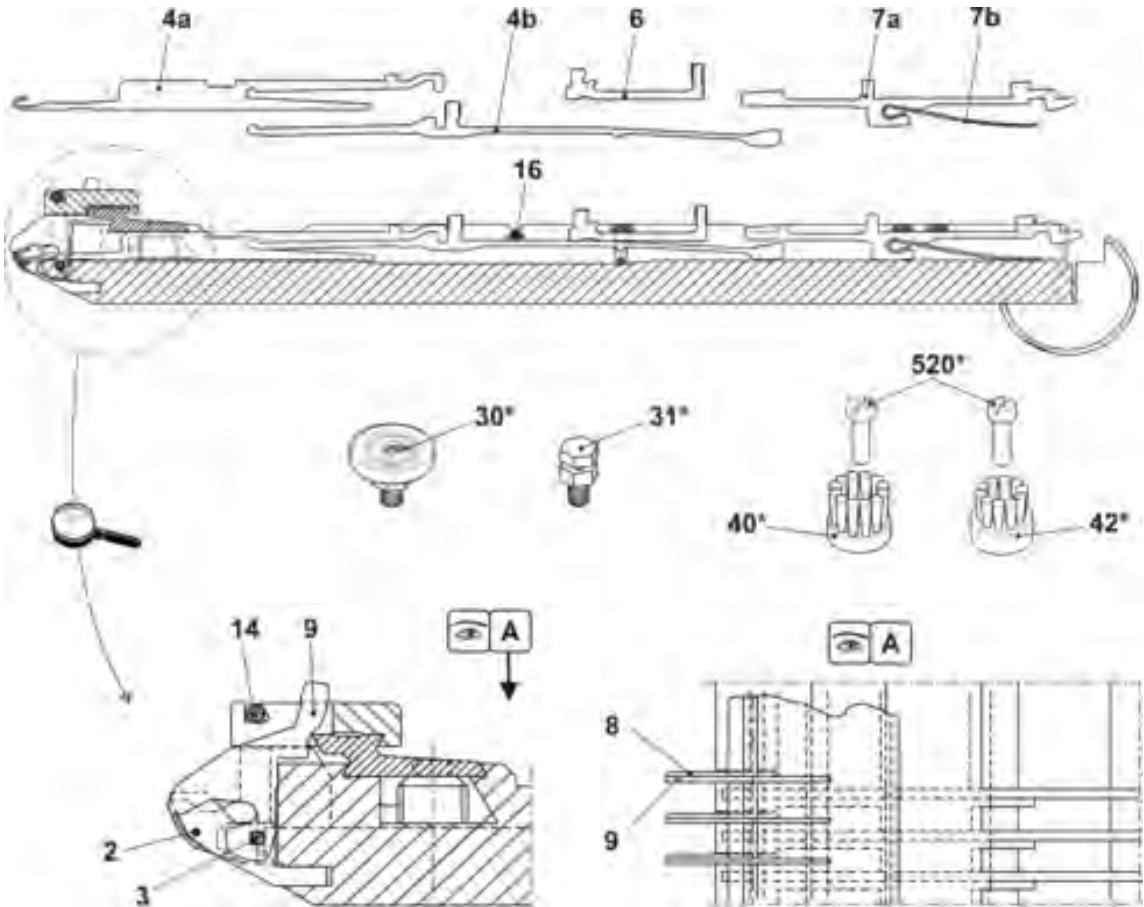
4.2 Needle bed E7

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E7	210 428		15	Support	206 352
1	Needle bed at the front + rearE7	210 992		19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E7	211 039		500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E7	211 046		502	Cap screw M6x25	020 137
6	Limiter on the leftE4-8	205 343		503	Cap screw M5x8-8.8	023 154
7	Limiter on the rightE4-8	205 344		504	Cap screw M5x22	023 193
8	Needle bar	205 311		506	SetscrewM6x12-45	022 400
9	Needle bar on the right	205 312		507	Springy thrust piece B-M10	023 177
10	Needle bar	210 977		511	Shim0,05x18,5x34	023 196
11	Cover rail at the frontE7	210 983		512	Shim0,1x18,5x34	023 197
12	Cover rail	210 978		513	Shim0,2x18,5x34	023 253
13	Cover rail	210 980		514	Cap screw M5x8	023 379



4.2.1 Continuation needle bed E7

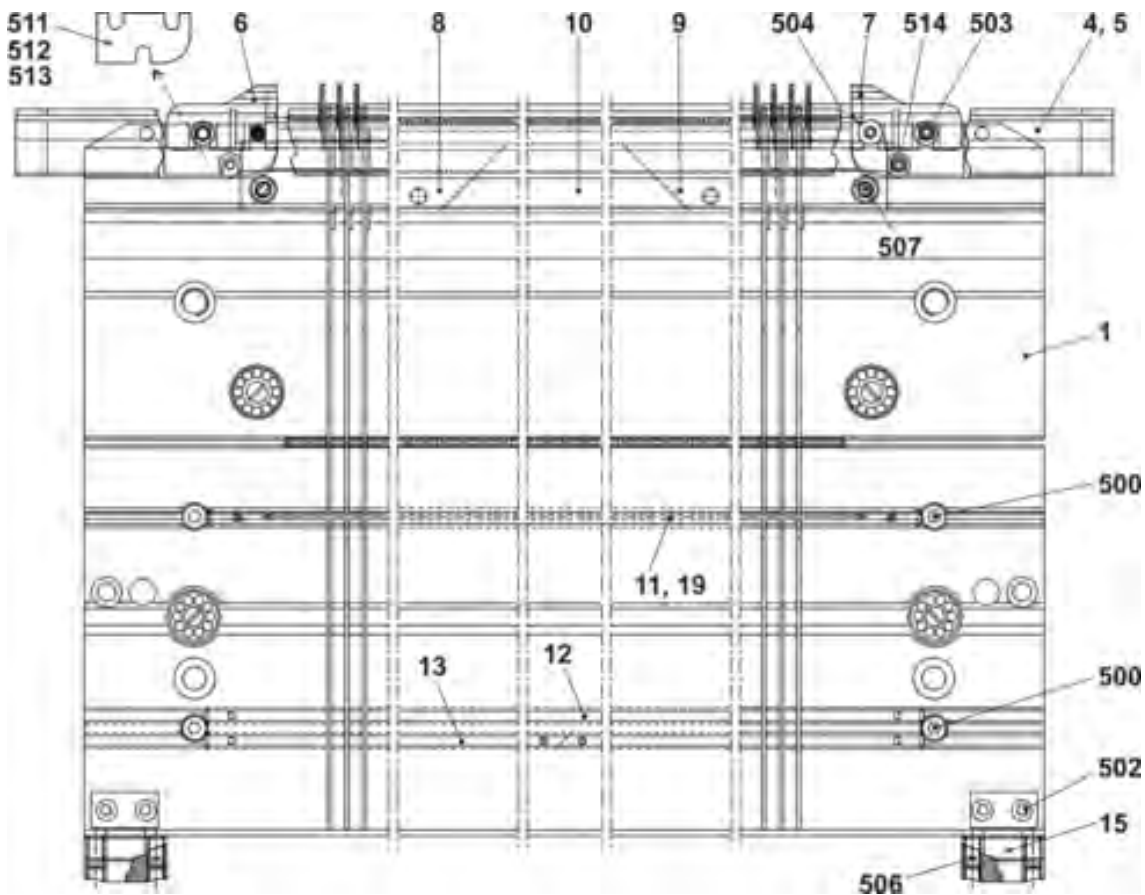
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE7	210 428				
2	Spring steel wire ø0,8	210 970		9	Holding-down jack E7	205 032
3	Spring steel wire ø2,0	210 972		14	Locating wire ø2,8	210 974
4a	Needle E7 with round hook	205 397		16	Spring steel wire ø2,8	212 173
4b	Coupling part E4-8	200 682		30*	Adjusting piece	206 375
6	Intermediate slider with brake E5-8	237 323		31*	Set screw complete	207 712
7a	Selection jack E4-8	200 687		40*	Disk brush	235 612
7b	Selector spring E4-8	200 690		42*	Disk brush	202 600
8	Knock-over bit E7	207 055		520*	Cap screw M5x12	020 032



4.3 Needle bed E8

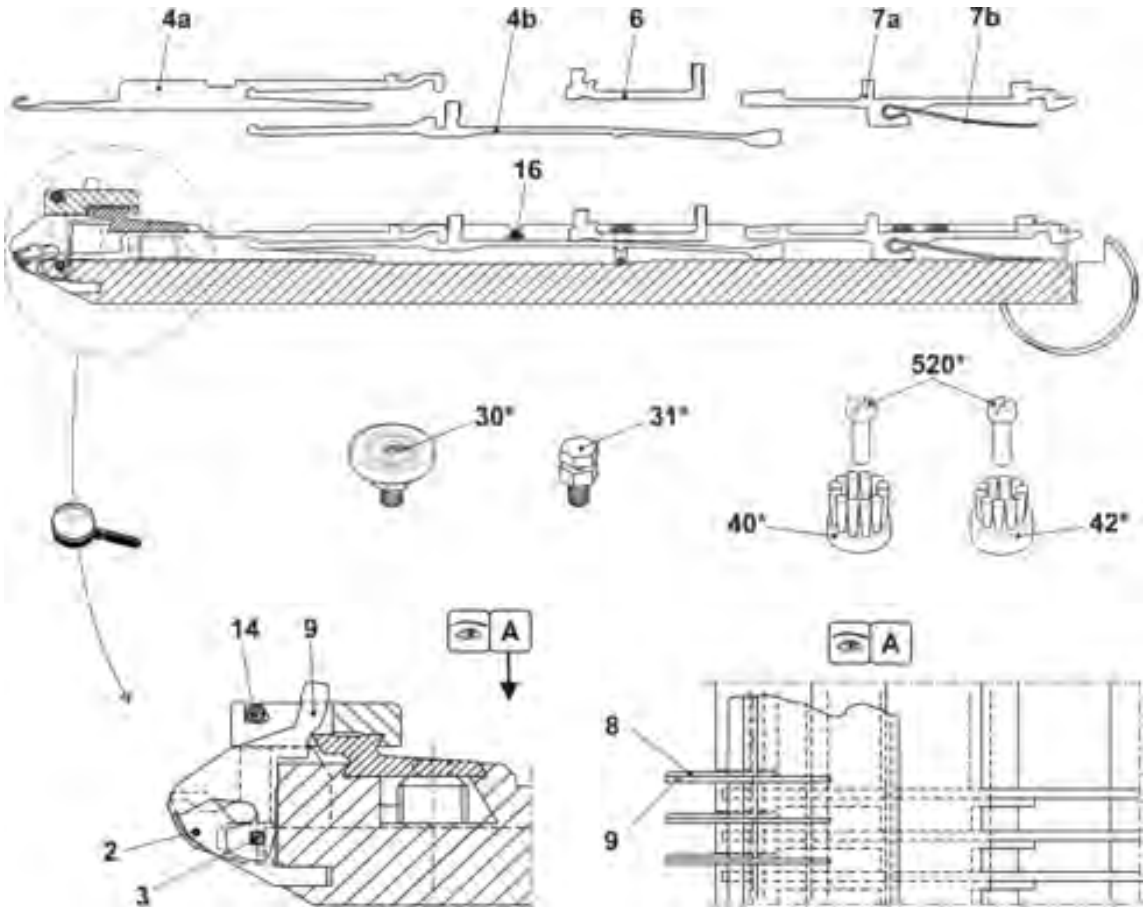
4.3 Needle bed E8

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E8	210 429		15	Support	206 352
1	Needle bed at the front + rearE8	210 993		19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E8	211 040		500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E8	211 047		502	Cap screw M6x25	020 137
6	Limiter on the leftE4-8	205 343		503	Cap screw M5x8-8.8	023 154
7	Limiter on the rightE4-8	205 344		504	Cap screw M5x22	023 193
8	Needle bar	205 311		506	SetscrewM6x12-45	022 400
9	Needle bar on the right	205 312		507	Springy thrust piece B-M10	023 177
10	Needle bar	210 977		511	Shim0,05x18,5x34	023 196
11	Cover rail at the frontE8	210 984		512	Shim0,1x18,5x34	023 197
12	Cover rail	210 978		513	Shim0,2x18,5x34	023 253
13	Cover rail	210 980		514	Cap screw M5x8	023 379



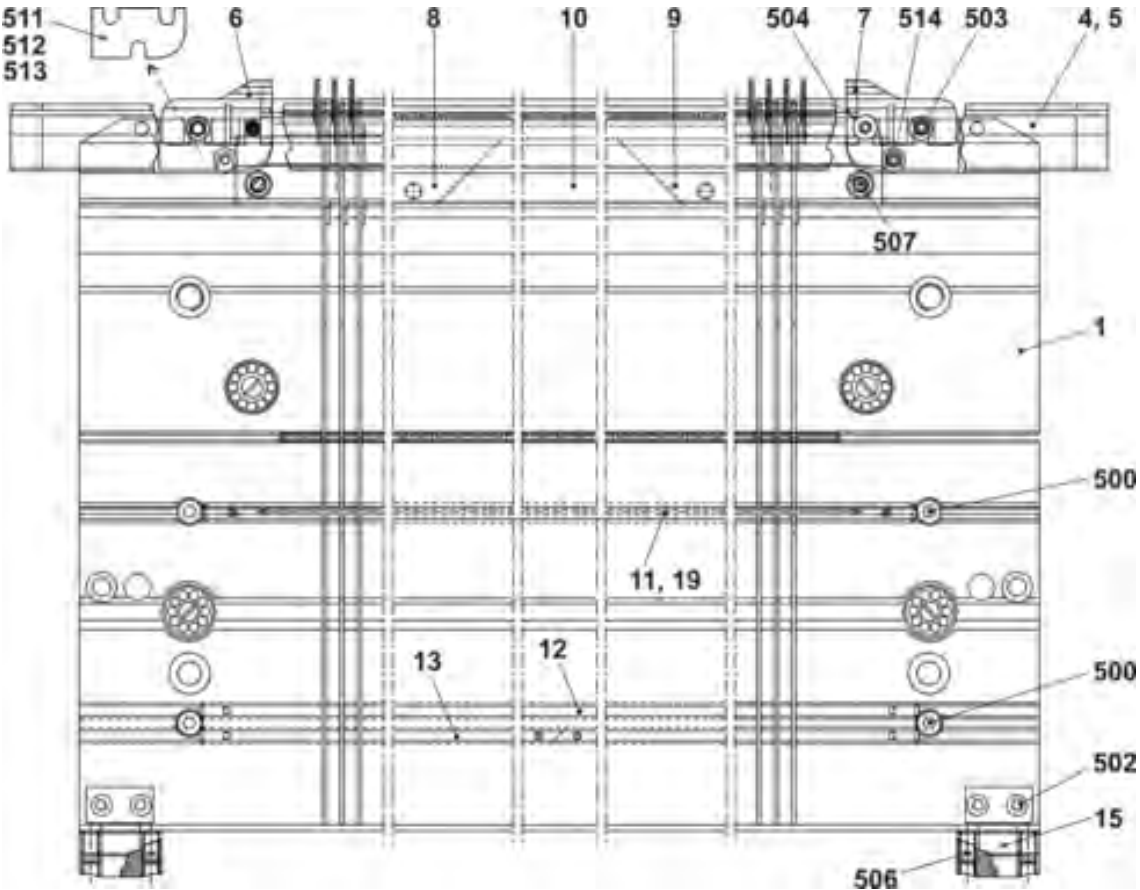
4.3.1 Continuation needle bed E8

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE8	210 429				
2	Spring steel wire ø0,8	210 970		9	Holding-down jack E8	205 028
3	Spring steel wire ø2,0	210 972		14	Locating wire ø2,8	210 974
4a	Needle E8 with round hook	208 745		16	Spring steel wire ø2,8	212 173
4b	Coupling part E4-8	200 682		30*	Adjusting piece	206 375
6	Intermediate slider with brake E5-8	237 323		31*	Set screw complete	207 712
7a	Selection jack E4-8	200 687		40*	Disk brush	235 612
7b	Selector spring E4-8	200 690		42*	Disk brush	202 600
8	Knock-over bit E8	207 054		520*	Cap screw M5x12	020 032



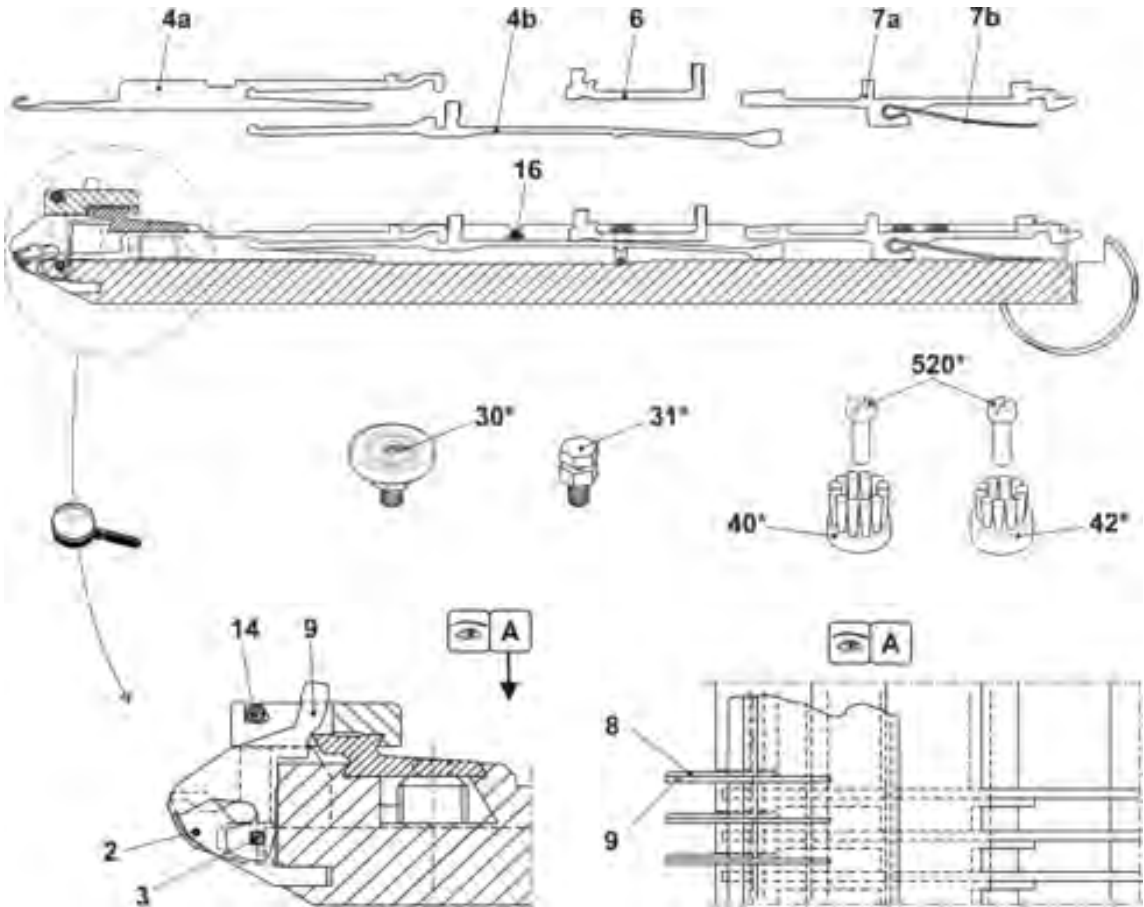
4.4 Needle bed E5m.4

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E5m.4	211 968		15	Support	206 352
1	Needle bed at the front + rearE5	210 991		19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E5	211 038		500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E5	211 045		502	Cap screw M6x25	020 137
6	Limiter on the leftE4-8	205 343		503	Cap screw M5x8-8.8	023 154
7	Limiter on the rightE4-8	205 344		504	Cap screw M5x22	023 193
8	Needle bar	205 311		506	SetscrewM6x12-45	022 400
9	Needle bar on the right	205 312		507	Springy thrust piece B-M10	023 177
10	Needle bar	210 977		511	Shim0,05x18,5x34	023 196
11	Cover rail at the frontE5	210 982		512	Shim0,1x18,5x34	023 197
12	Cover rail	210 978		513	Shim0,2x18,5x34	023 253
13	Cover rail	210 980		514	Cap screw M5x8	023 379



4.4.1 Continuation needle bed E5m.4

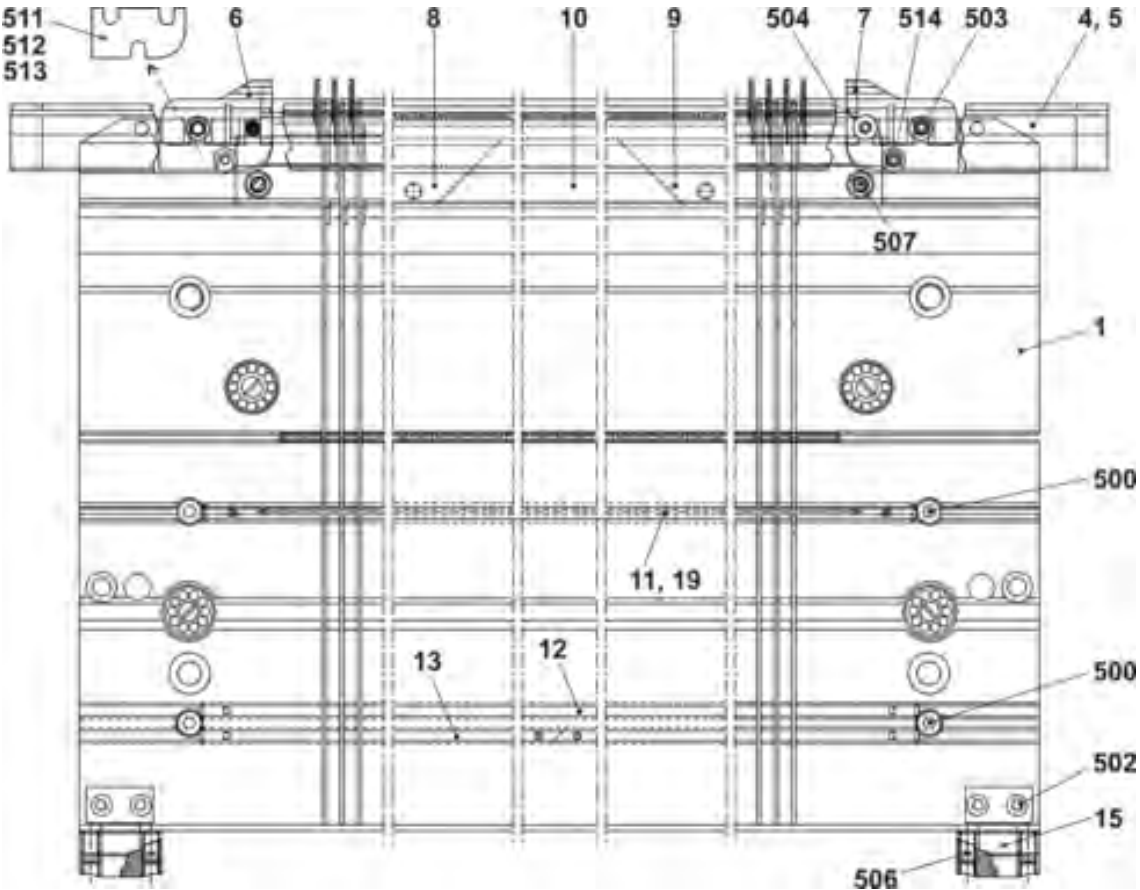
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E5m.4	211 968				
2	Spring steel wire ø1,0	210 971		9	Holding-down jackE5	205 031
3	Spring steel wire ø2,0	210 972		14	Locating wireø2,8	210 974
4a	NeedleE2,5.2-3,5.2	232 581		16	Spring steel wire ø2,8	212 173
4b	Coupling partE4-8	200 682		30*	Adjusting piece	206 375
6	Intermediate slider with brake E5-8	237 323		31*	Set screw complete	207 712
7a	Selection jackE4-8	200 687		40*	Disk brush	235 612
7b	Selector springE4-8	200 690		42*	Disk brush	202 600
8	Knock-over bit E5	204 996		520*	Cap screw M5x12	020 032



4.5 Needle bed E7m.5

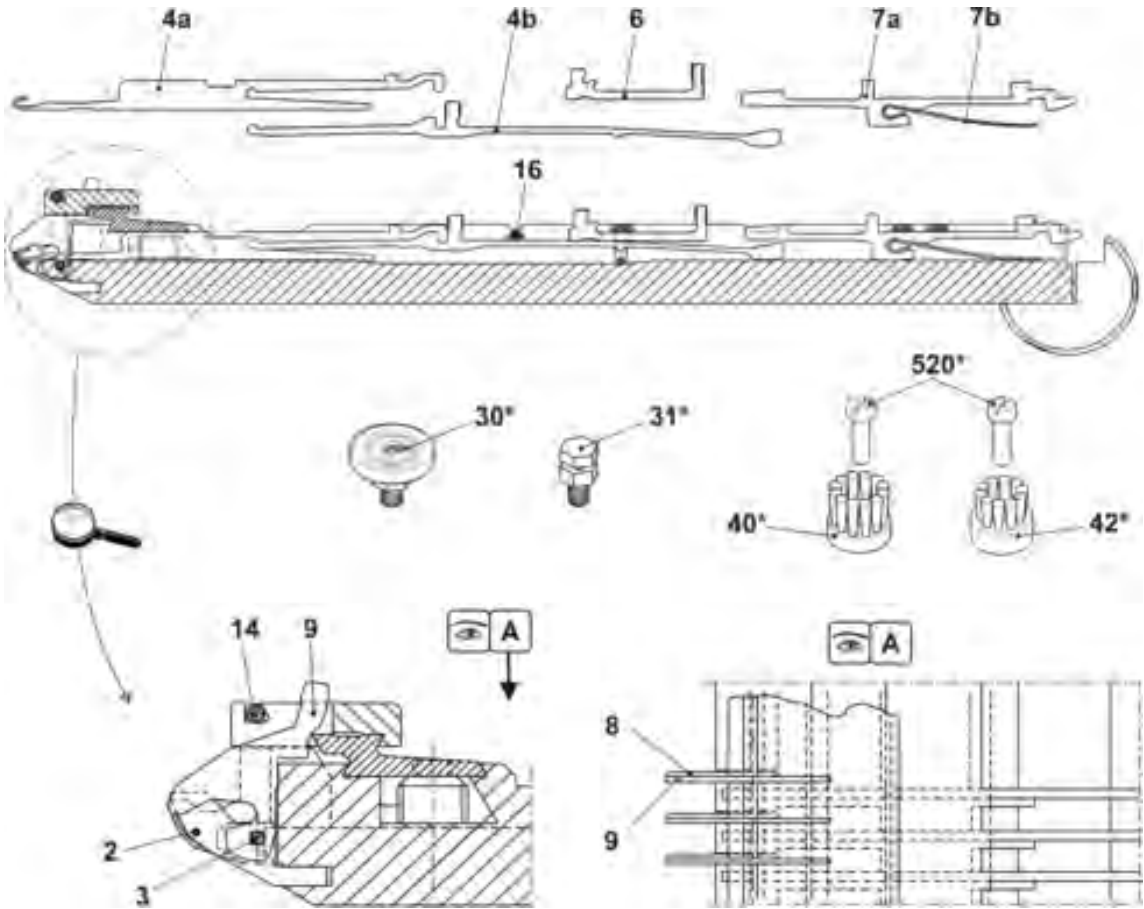
4.5 Needle bed E7m.5

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E7m.5	210 433		15	Support	206 352
1	Needle bed at the front + rearE7	210 992		19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E7	211 039		500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E7	211 046		502	Cap screw M6x25	020 137
6	Limiter on the leftE4-8	205 343		503	Cap screw M5x8-8.8	023 154
7	Limiter on the rightE4-8	205 344		504	Cap screw M5x22	023 193
8	Needle bar	205 311		506	SetscrewM6x12-45	022 400
9	Needle bar on the right	205 312		507	Springy thrust piece B-M10	023 177
10	Needle bar	210 977		511	Shim0,05x18,5x34	023 196
11	Cover rail at the frontE7	210 983		512	Shim0,1x18,5x34	023 197
12	Cover rail	210 978		513	Shim0,2x18,5x34	023 253
13	Cover rail	210 980		514	Cap screw M5x8	023 379



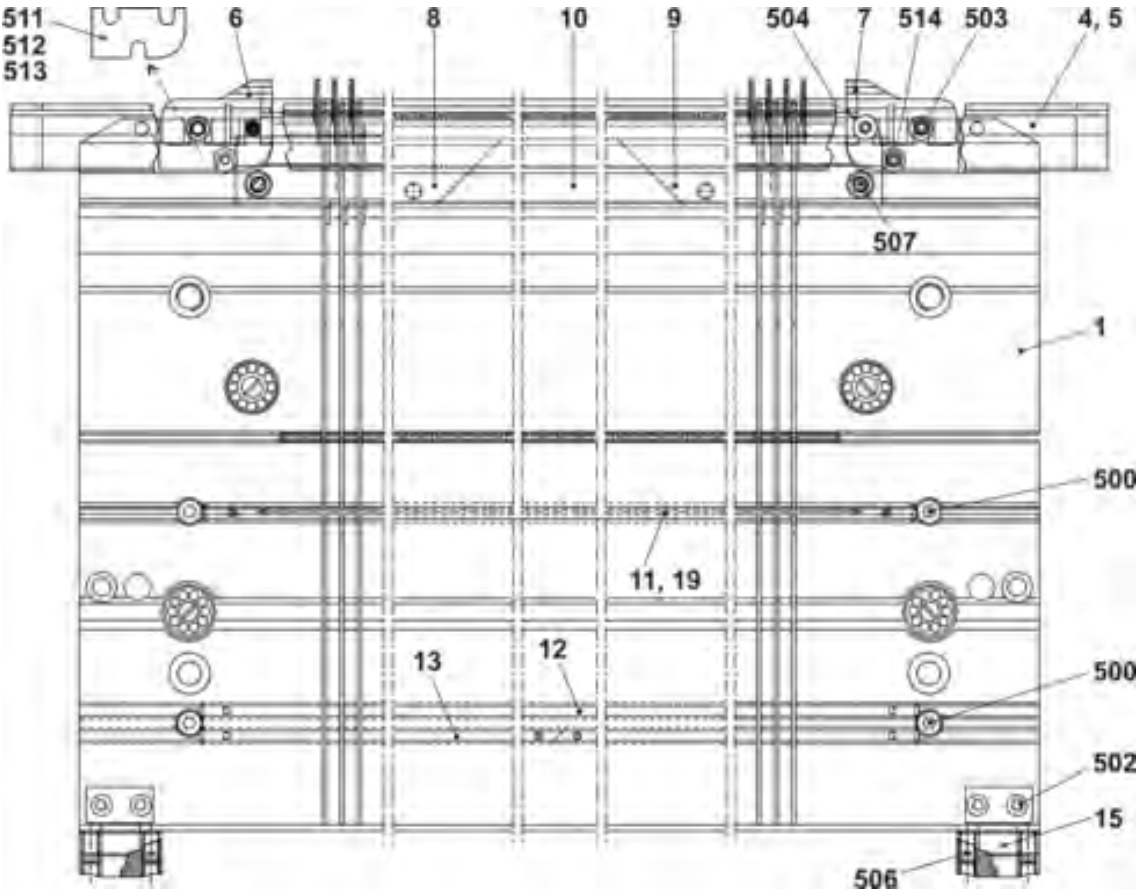
4.5.1 Continuation needle bed E7m.5

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E7m.5	210 433				
2	Spring steel wire ø0,8	210 970		9	Holding-down jackE7	205 032
3	Spring steel wire ø2,0	210 972		14	Locating wireø2,8	210 974
4a	Needle E5-6 with round hook	205 396		16	Spring steel wire ø2,8	212 173
4b	Coupling partE4-8	200 682		30*	Adjusting piece	206 375
6	Intermediate slider with brake E5-8	237 323		31*	Set screw complete	207 712
7a	Selection jackE4-8	200 687		40*	Disk brush	235 612
7b	Selector springE4-8	200 690		42*	Disk brush	202 600
8	Knock-over bit E7	207 055		520*	Cap screw M5x12	020 032



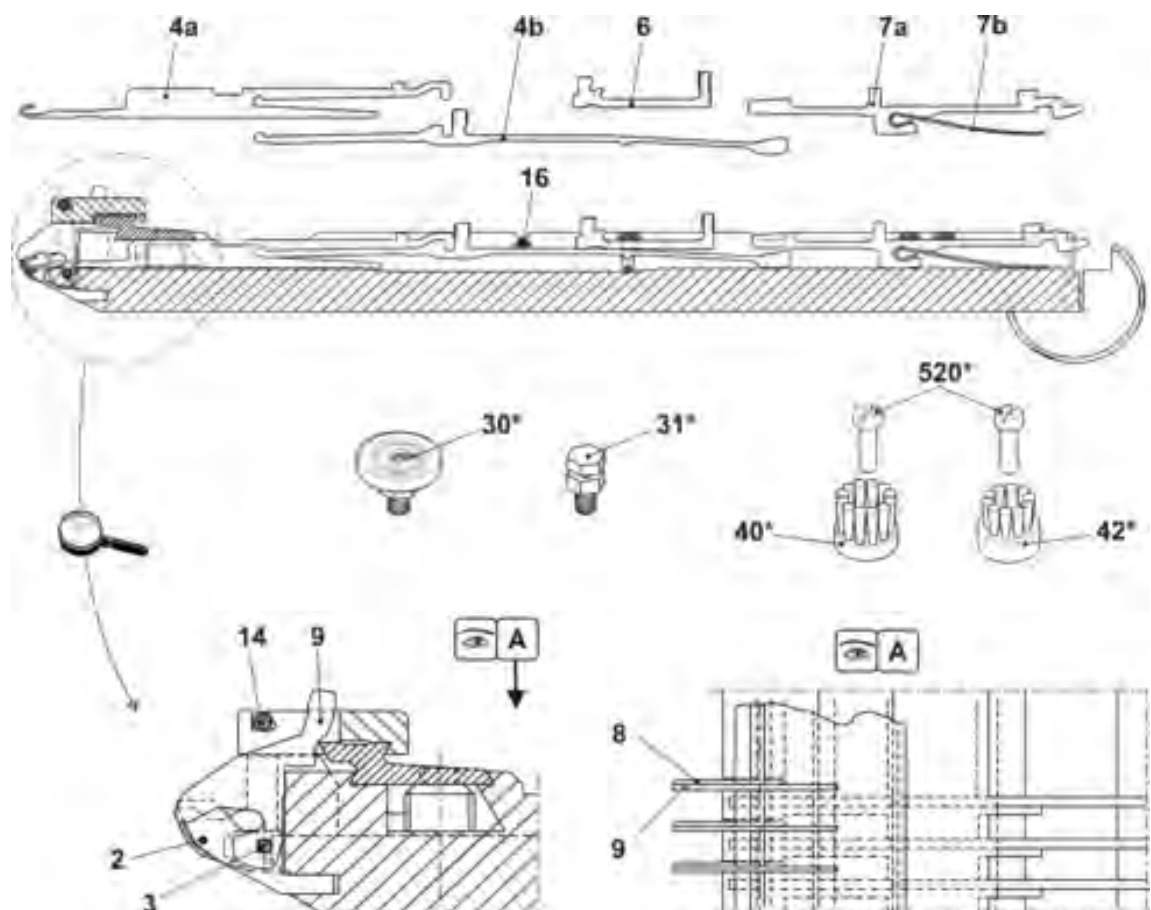
4.6 Needle bed E7m.8

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E7m.8	210 434		15	Support	206 352
1	Needle bed at the front + rearE7	210 992		19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E7	211 039		500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E7	211 046		502	Cap screw M6x25	020 137
6	Limiter on the leftE4-8	205 343		503	Cap screw M5x8-8.8	023 154
7	Limiter on the rightE4-8	205 344		504	Cap screw M5x22	023 193
8	Needle bar	205 311		506	SetscrewM6x12-45	022 400
9	Needle bar on the right	205 312		507	Springy thrust piece B-M10	023 177
10	Needle bar	210 977		511	Shim0,05x18,5x34	023 196
11	Cover rail at the frontE7	210 983		512	Shim0,1x18,5x34	023 197
12	Cover rail	210 978		513	Shim0,2x18,5x34	023 253
13	Cover rail	210 980		514	Cap screw M5x8	023 379



4.6.1 Continuation needle bed E7m.8

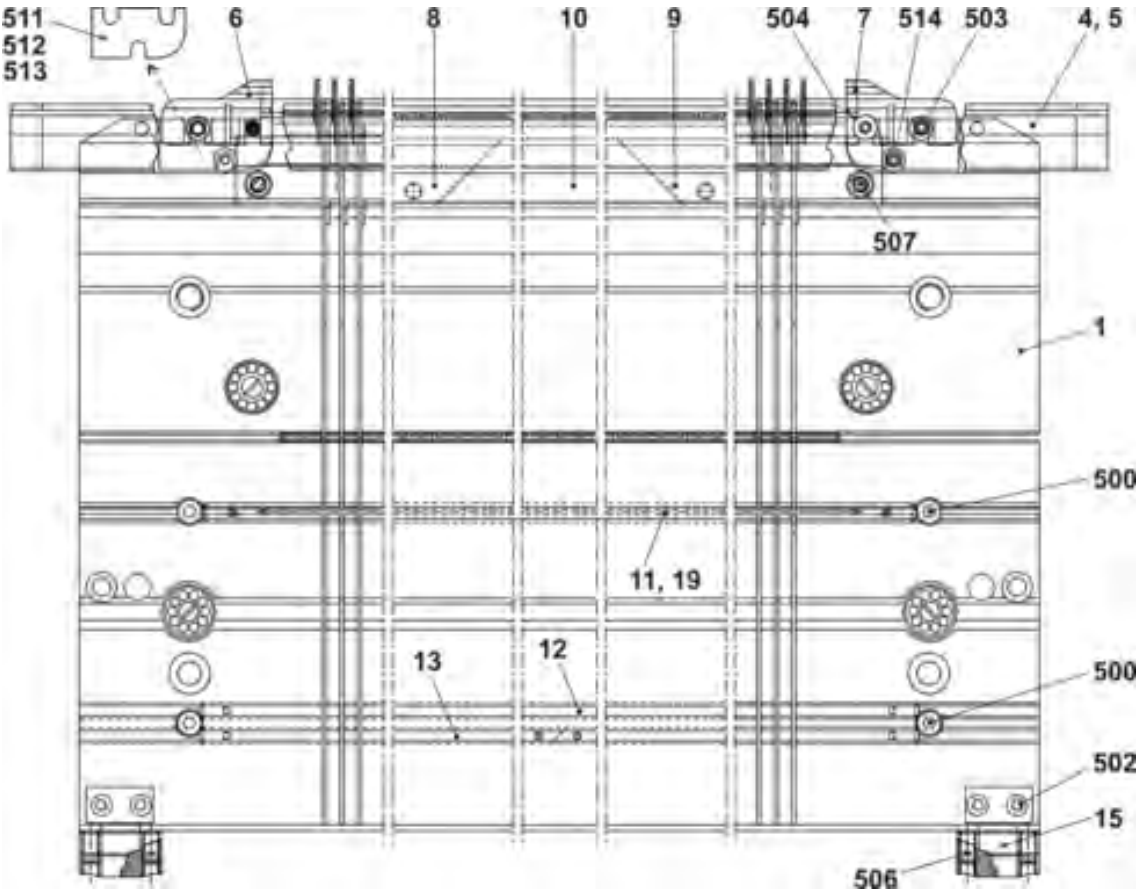
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E7m.8	210 434				
2	Spring steel wire ø0,8	210 970		9	Holding-down jackE7	205 032
3	Spring steel wire ø2,0	210 972		14	Locating wireø2,8	210 974
4a	Needle E8 with round hook	208 745		16	Spring steel wire ø2,8	212 173
4b	Coupling partE4-8	200 682		30*	Adjusting piece	206 375
6	Intermediate slider with brake E5-8	237 323		31*	Set screw complete	207 712
7a	Selection jackE4-8	200 687		40*	Disk brush	235 612
7b	Selector springE4-8	200 690		42*	Disk brush	202 600
8	Knock-over bit E7	207 055		520*	Cap screw M5x12	020 032



4.7 Needle bed E8m.7

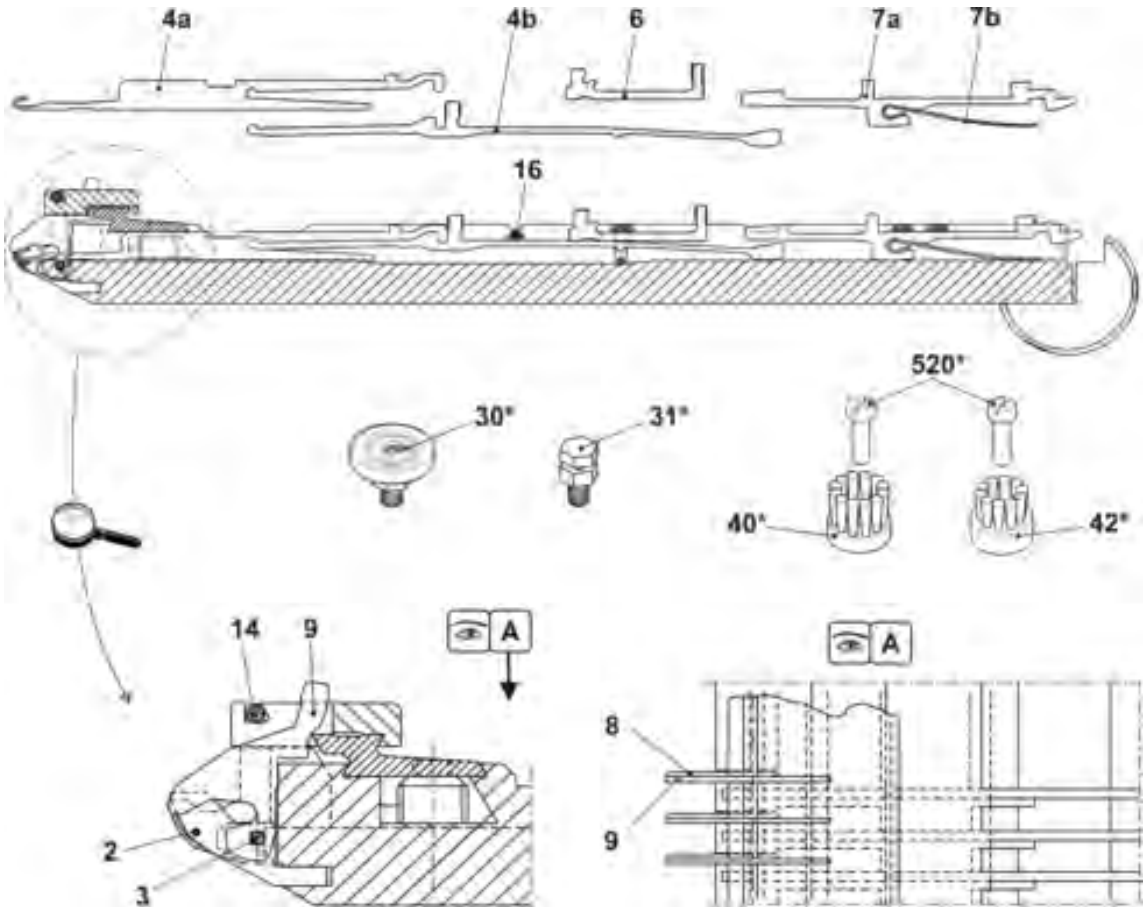
4.7 Needle bed E8m.7

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E8m.7	210 435		15	Support	206 352
1	Needle bed at the front + rearE8	210 993		19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E8	211 040		500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E8	211 047		502	Cap screw M6x25	020 137
6	Limiter on the leftE4-8	205 343		503	Cap screw M5x8-8.8	023 154
7	Limiter on the rightE4-8	205 344		504	Cap screw M5x22	023 193
8	Needle bar	205 311		506	SetscrewM6x12-45	022 400
9	Needle bar on the right	205 312		507	Springy thrust piece B-M10	023 177
10	Needle bar	210 977		511	Shim0,05x18,5x34	023 196
11	Cover rail at the frontE8	210 984		512	Shim0,1x18,5x34	023 197
12	Cover rail	210 978		513	Shim0,2x18,5x34	023 253
13	Cover rail	210 980		514	Cap screw M5x8	023 379



4.7.1 Continuation needle bed E8m.7

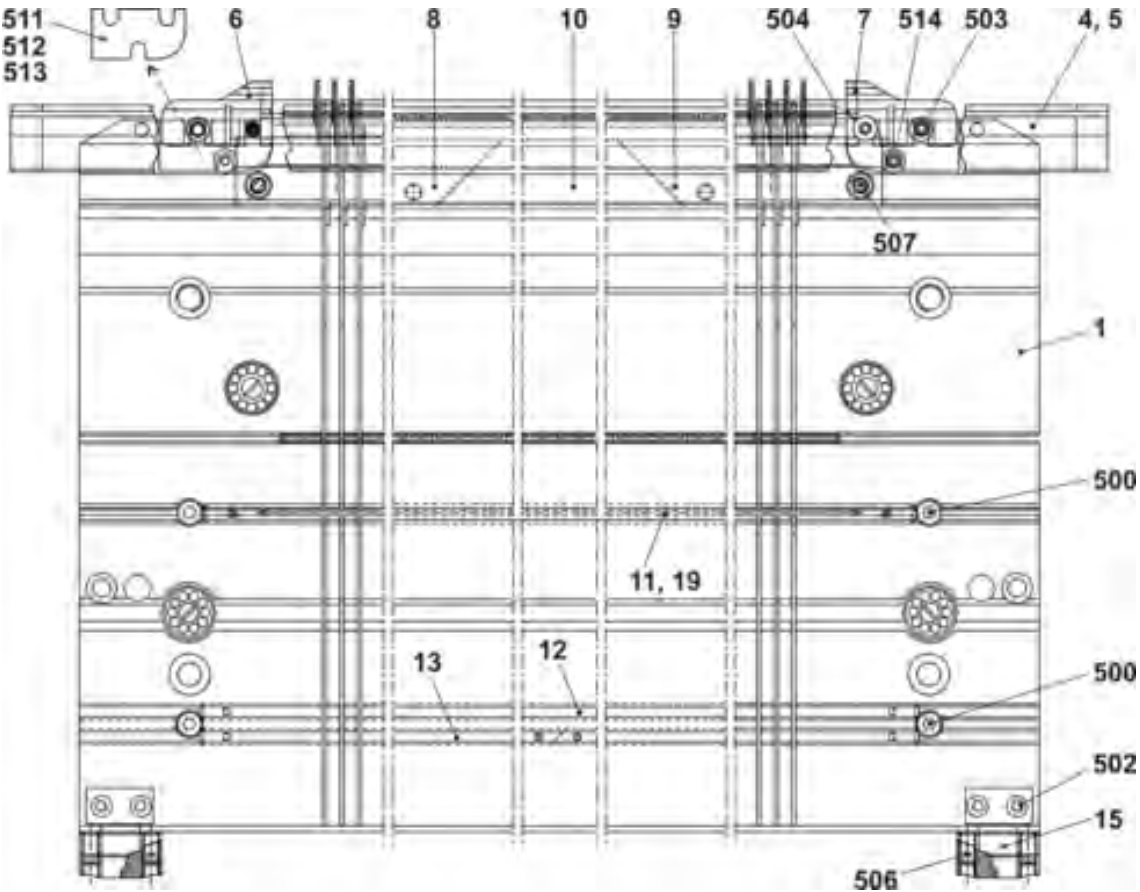
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E8m.7	210 435				
2	Spring steel wire ø0,8	210 970		9	Holding-down jackE8	205 028
3	Spring steel wire ø2,0	210 972		14	Locating wireø2,8	210 974
4a	Needle E7 with round hook	205 397		16	Spring steel wire ø2,8	212 173
4b	Coupling partE4-8	200 682		30*	Adjusting piece	206 375
6	Intermediate slider with brake E5-8	237 323		31*	Set screw complete	207 712
7a	Selection jackE4-8	200 687		40*	Disk brush	235 612
7b	Selector springE4-8	200 690		42*	Disk brush	202 600
8	Knock-over bit E8	207 054		520*	Cap screw M5x12	020 032



4.8 Needle bed E3,5.2

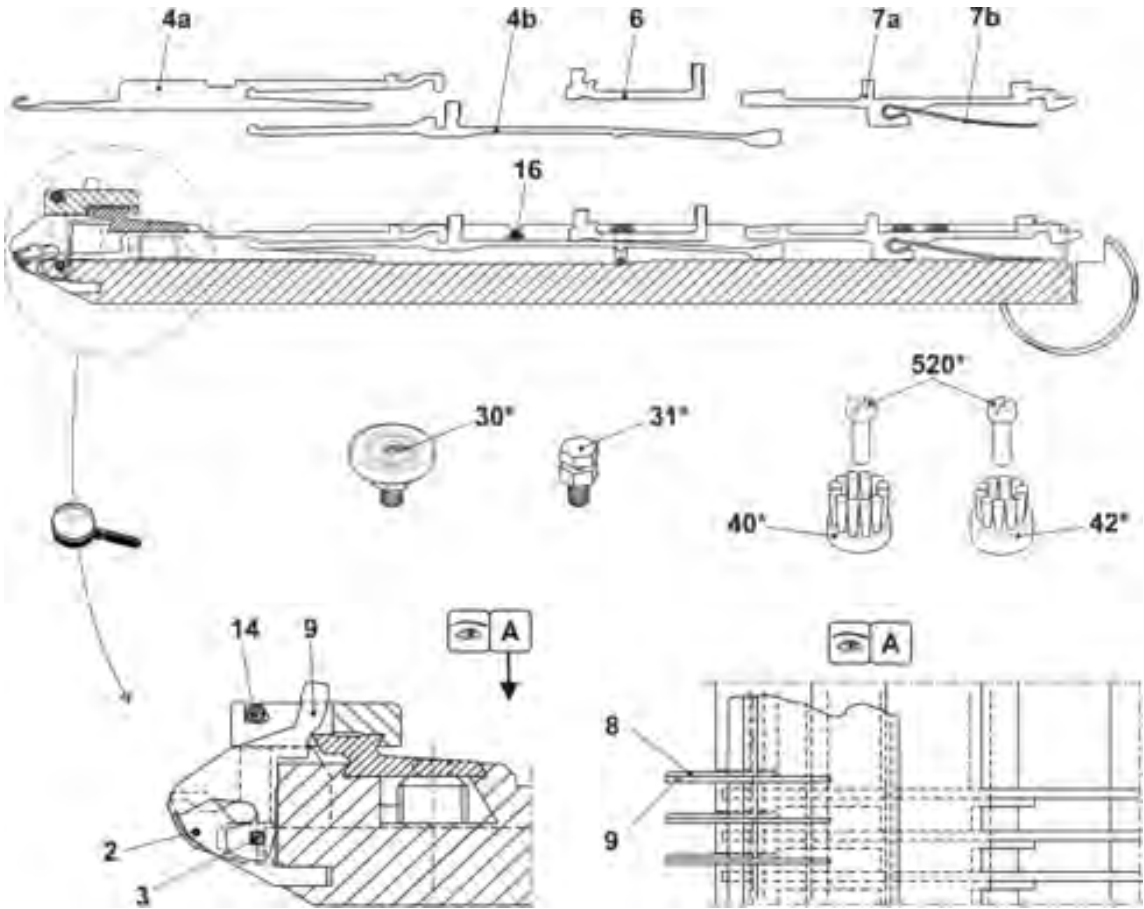
4.8 Needle bed E3,5.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E3,5.2	244 613		15	Support	206 352
1	Needle bed at the front + rearE7	210 992		19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E3,5.2 MG	240 174		500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E3,5.2	240 175		502	Cap screw M6x25	020 137
6	Limiter on the leftE4-8	205 343		503	Cap screw M5x8-8.8	023 154
7	Limiter on the rightE4-8	205 344		504	Cap screw M5x22	023 193
8	Needle bar	205 311		506	SetscrewM6x12-45	022 400
9	Needle bar on the right	205 312		507	Springy thrust piece B-M10	023 177
10	Needle bar	210 977		511	Shim0,05x18,5x34	023 196
11	Cover rail at the frontE7	210 983		512	Shim0,1x18,5x34	023 197
12	Cover rail	210 978		513	Shim0,2x18,5x34	023 253
13	Cover rail	210 980		514	Cap screw M5x8	023 379



4.8.1 Continuation needle bed E3,5.2

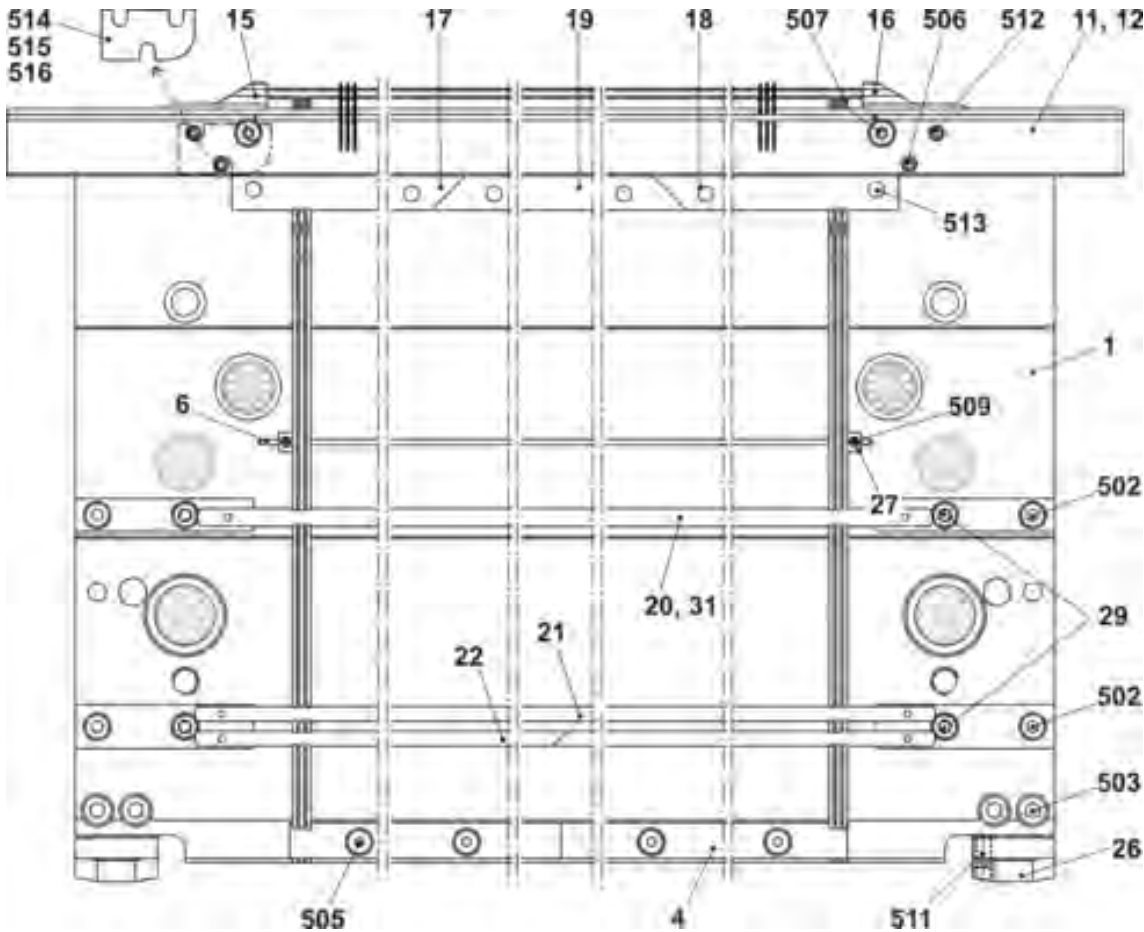
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E7	244 613				
2	Spring steel wire ø0,8	210 970		9	Holding-down jackE7	205 032
3	Spring steel wire ø2,0	210 972		14	Locating wireø2,8	210 974
4a	NeedleE2,5.2-3,5.2	232 581		16	Spring steel wire ø2,8	212 173
4b	Coupling partE4-8	200 682		30*	Adjusting piece	206 375
6	Intermediate slider with brake E5-8	237 323		31*	Set screw complete	207 712
7a	Selection jackE4-8	200 687		40*	Disk brush	235 612
7b	Selector springE4-8	200 690		42*	Disk brush	202 600
8	Knock-over bit E7	207 055		520*	Cap screw M5x12	020 032



4.9 Needle bed E5.2

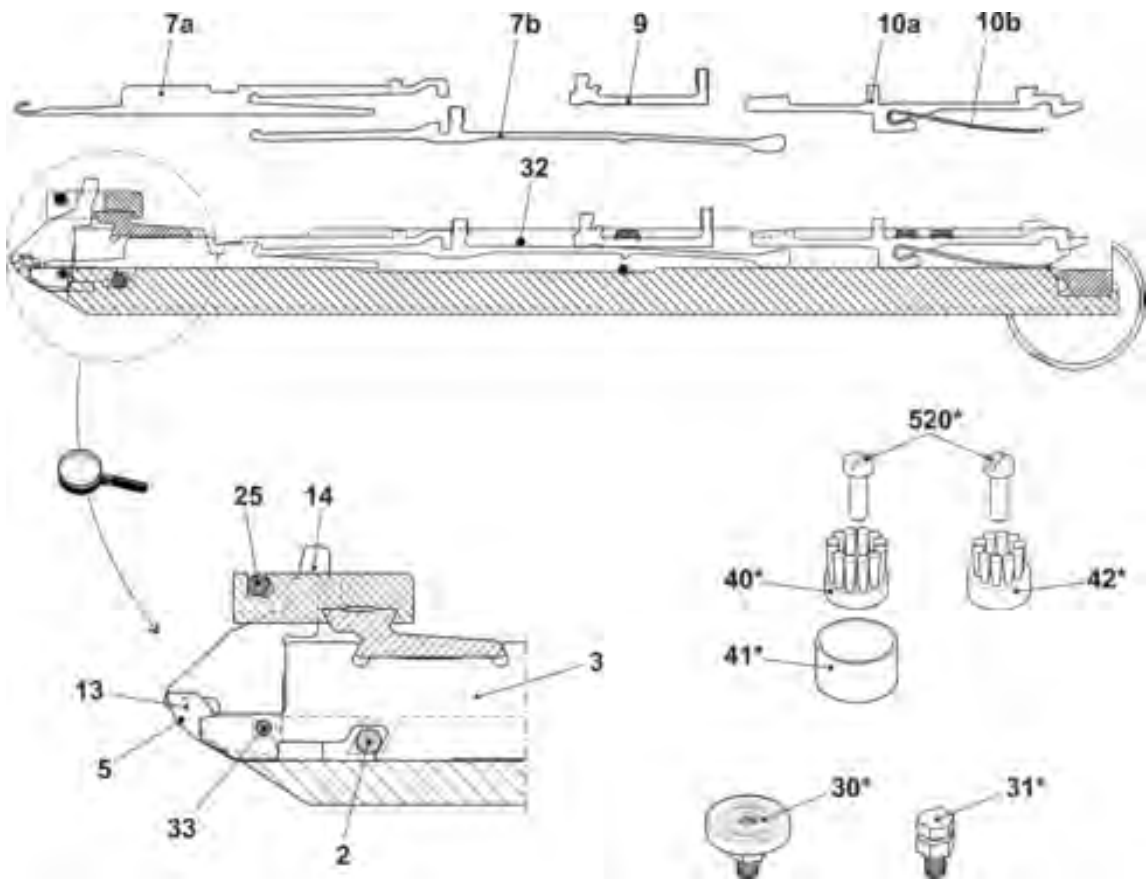
4.9 Needle bed E5.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E5.2	244 611		27	Bush	206 090
1	Needle bed at the front + rearE5.2	244 532		29	Cap screw 5x12	209 484
4	Pressure strip	211 009		31	Cover rail at the rear	210 979
6	Spring steel wire ø2,0	210 972		502	Cap screw M5x12	020 132
11	Holding-down jack bed at the front E5.2	244 526		503	Cap screw M6x14	022 658
12	Holding-down jack bed at the rear E5.2	244 527		505	Cap screw M5x8	023 379
15	Limiter on the leftE4-8	205 343		506	Cap screw M5x12-8.8	022 943
16	Limiter on the rightE4-8	205 344		507	Cap screw M5x22	023 193
17	Needle bar on the left	205 311		509	SetscrewM3,5x3-1	020 512
18	Needle bar on the right	205 312		511	SetscrewM6x12-45	022 400
19	Needle bar	210 977		512	Cap screw M5x8-8.8 M	023 154
20	Cover rail at the frontE10	210 985		513	Springy thrust piece B-M10	023 177
21	Cover rail	210 978		514	Shim0,05x18,5x34	023 196
22	Cover rail	210 980		515	Shim0,1x18,5x34	023 197
26	Support	206 352		516	Shim0,2x18,5x34	023 253



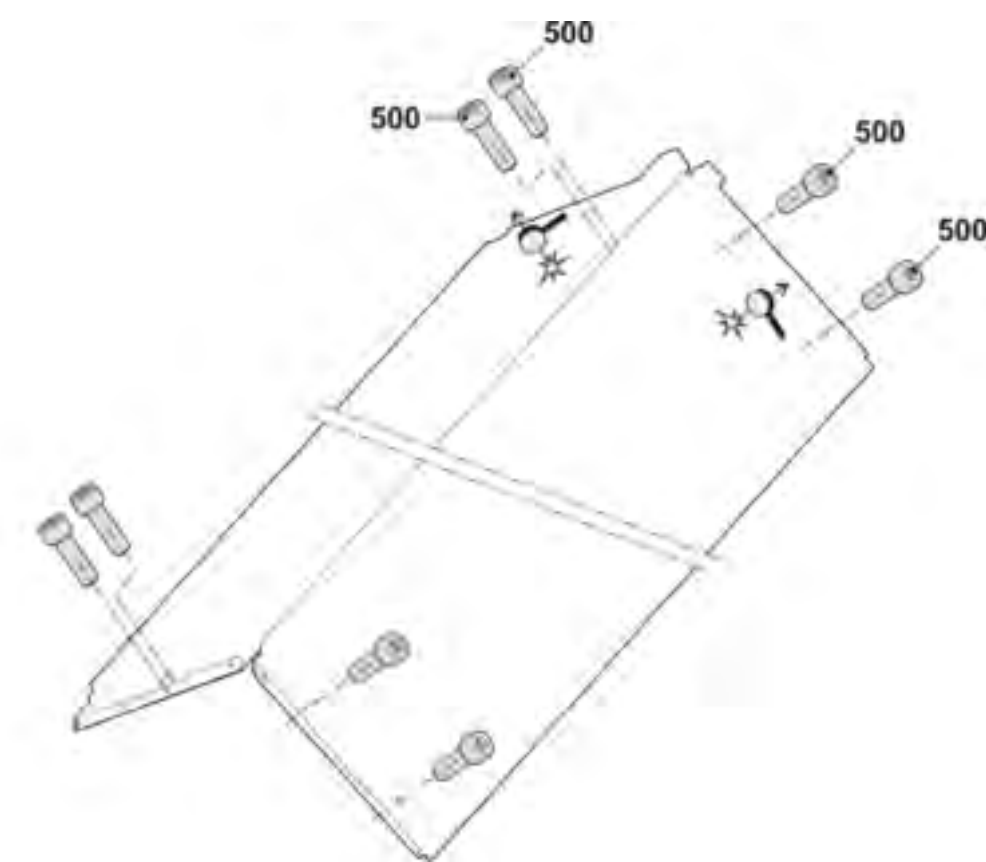
4.9.1 Continuation needle bed E5.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E5.2	244 611				
2	Locating wireø3,4	210 975		14	Holding-down jack trick wall	227 716
3	Main trick wall E5.2	219 171		25	Locating wireø2,8	210 974
5	Spring steel wire ø1,0	210 971		32	Spring steel wire ø2,0	210 973
7a	NeedleE5.2	219 181		33	Spring steel wire ø1,95	212 184
7b	Coupling partE5.2	219 188		30*	Adjusting piece	206 375
9	Intermediate slider with brake E5.2	236 030		31*	Set screw complete	207 712
10a	Selection jackE5.2	219 214		40*	Disk brush	235 612
10b	Selector springE5.2	219 265		42*	Disk brush	202 600
13	Knock-over bit E5.2	221 367		520*	Cap screw M5x12	020 032



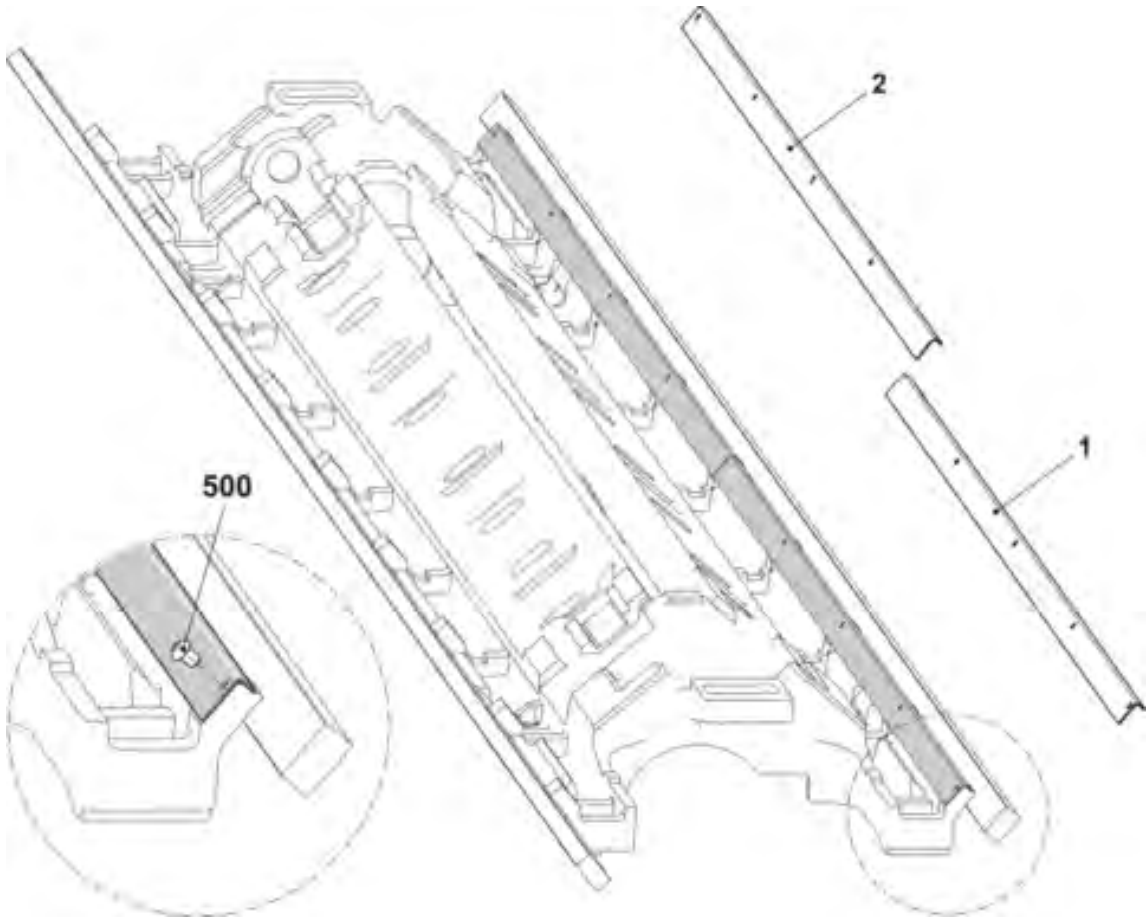
4.10 Needle beds, fixing elements

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed, fixing elements					
500	Cap screw M8x25	020 142				



4.11 Cover on the left and on the right

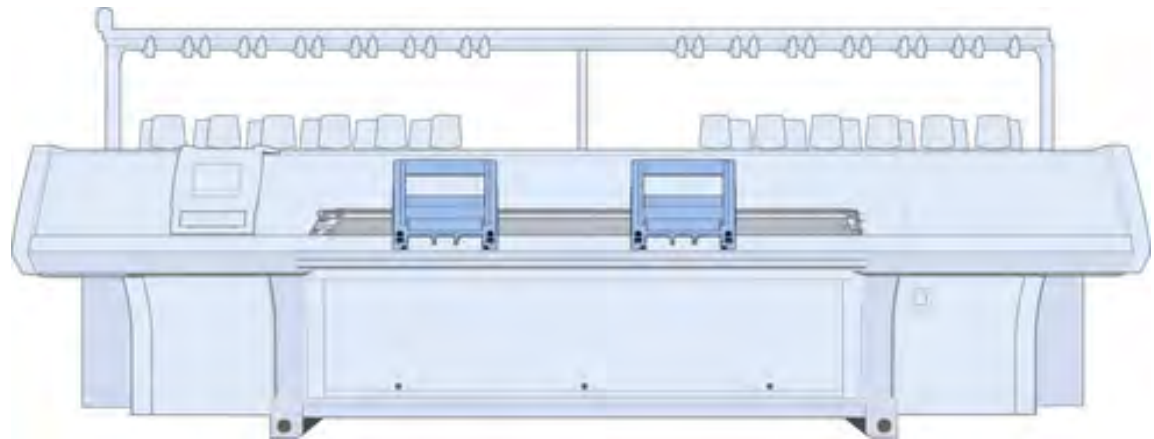
Pos	Designation	ID		Pos	Designation	ID
1	Cover on the left	242 253		500	Pan-head screw M8x10	241 930
2	Cover on the right	242 254				



4.11 Cover on the left and on the right

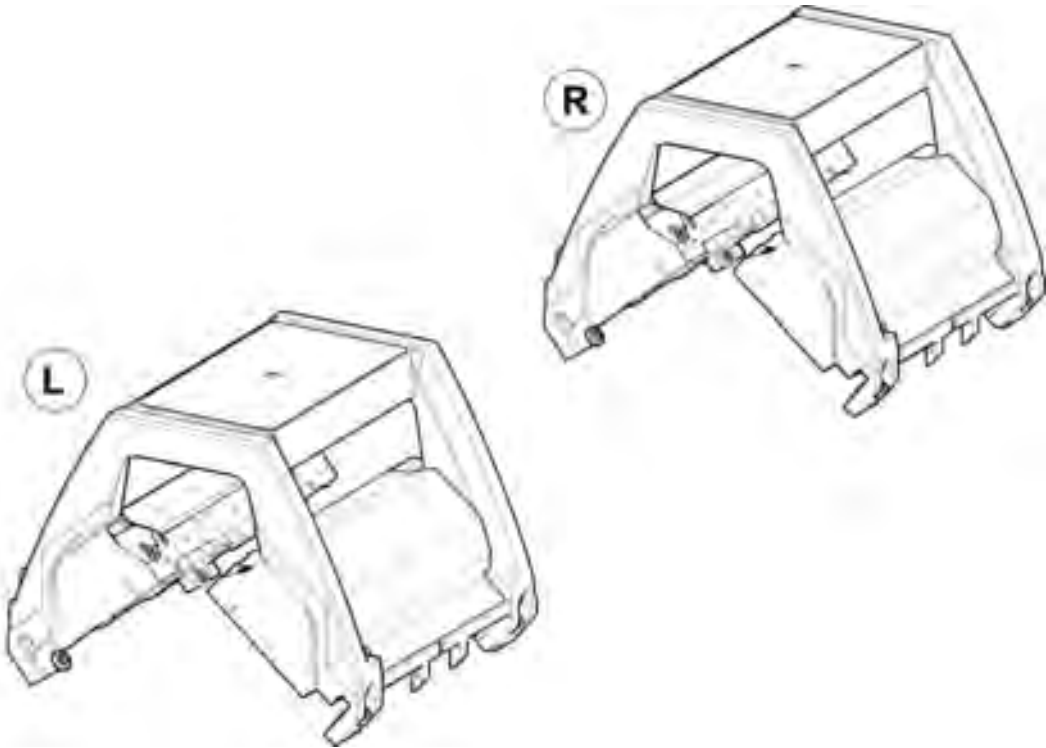
Notes:

5 Tandem carriage



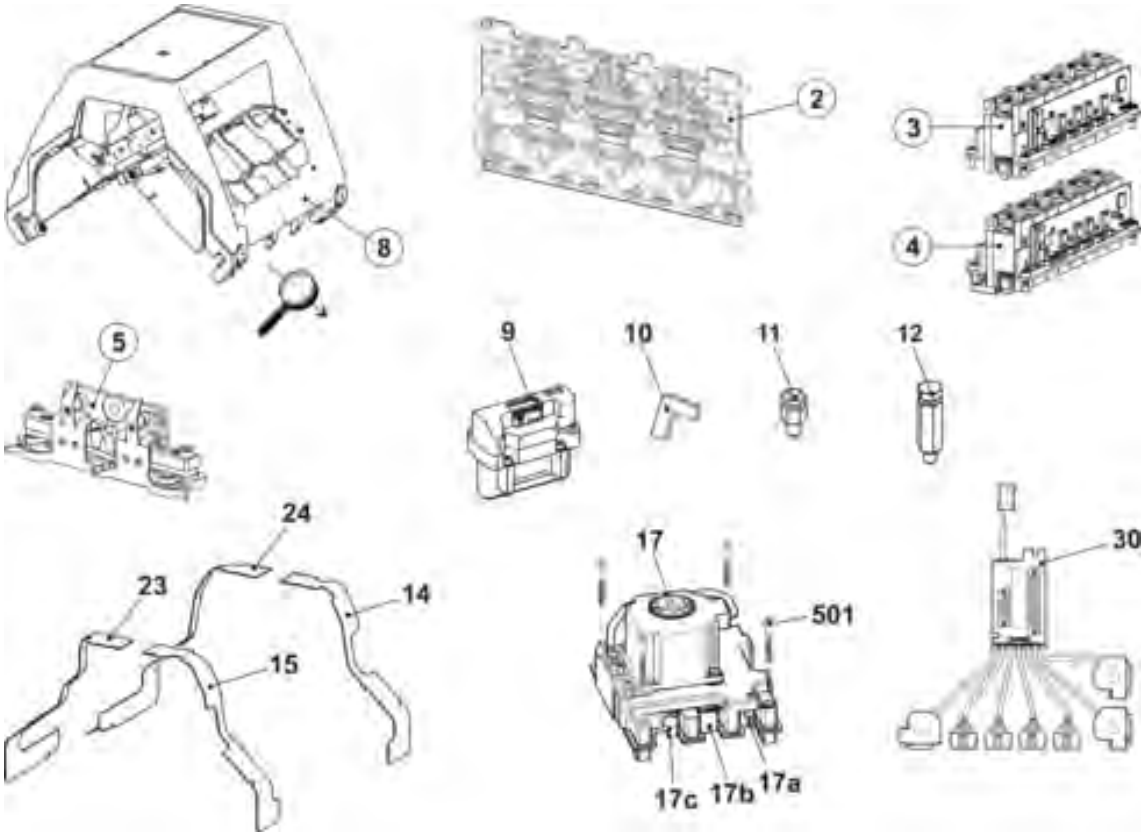
5.1 Complete Carriage

Pos	Designation	ID		Pos	Designation	ID
Σ L	Carriage left complete			Σ R	Carriage right complete	
	E5 E5m.4 E7m.5 E3,5.2	256 270			E5 E5m.4 E7m.5 E3,5.2	256 271
	E7 E8 E7m.8 E8m.7	256 272			E7 E8 E7m.8 E8m.7	256 273
	E5.2	256 274			E5.2	256 275



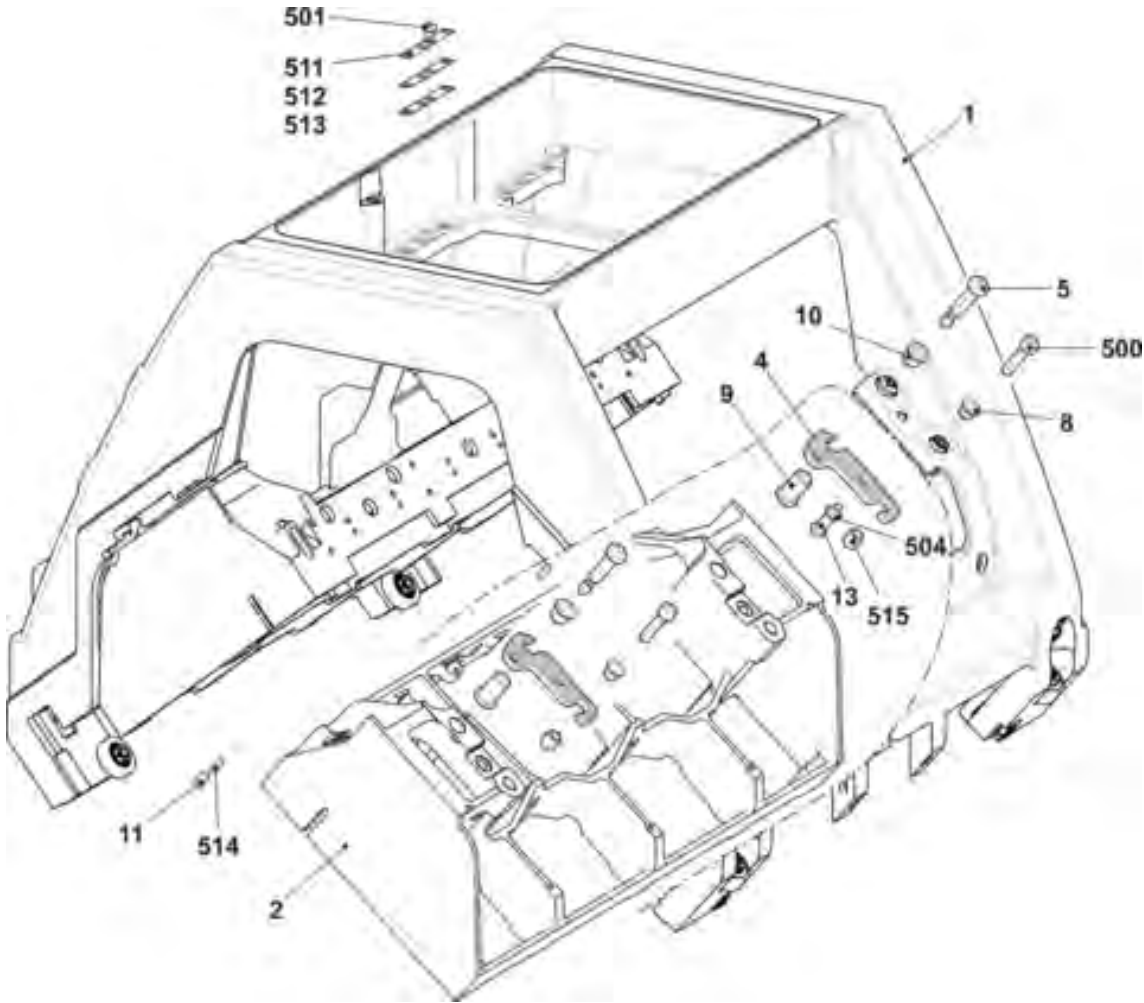
5.2 Overview of Carriage Parts

Pos	Designation	ID	Pos	Designation	ID
2	Cam box set complete				
	E5 E5m.4 E7m.5 E3,5.2 E5.2	244 467	12	Bolts	243 171
	E7 E8 E7m.8 E8m.7	243 883	14	Cover plate on the right	250 275
3	FF driving outside complete	245 297	15	Cover plate on the left	250 274
4	FF driving in the middle complete	245 298	17	Motor unit complete	253 531
5	Holding-down jack control completeE5-8	241 515	17a	Gear rack at the top	209 781
8	Carriage assembly 3 cam boxes on the left6-Z 933	256 515	17b	Gear rack in the middle	209 782
9	Carriage assembly 3 cam boxes on the right complete6-Z 933	256 685	17c	Gear rack at the bottom	209 783
	Selection system completeE2 - E8 (E5 E7 E8 E5m.4 E7m.5 E3,5.2 E7m.8 E8m.7)	216 218	23	Guide plate at the rear on the left	245 323
	Selection system completeE10-12 (E5.2)	216 219	24	Guide plate at the rear on the right	245 324
10	Wiper felt	241 411	30	Distributor933 6Z okc3	259 673
11	Bolts	212 392	501	Screw M4x30	023 290



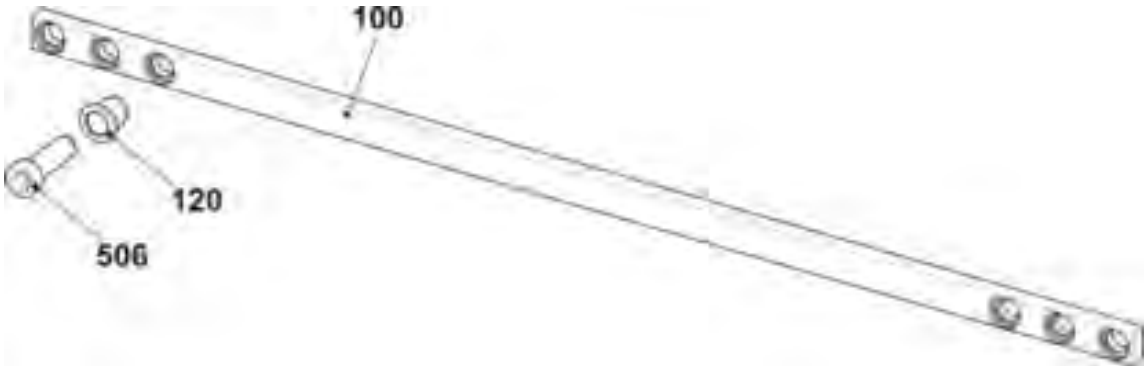
5.3 Carriage assembly

Pos	Designation	ID		Pos	Designation	ID
Σ	Carriage assembly 3 cam boxes on the left complete6-Z 933	256 515				
	Carriage assembly 3 cam boxes on the right complete6-Z 933	256 685		13	Locating bolt linking spot	244 179
1	Carriage frame, 3 cam boxes6-Z	259 020		501	Pan-head screw M6x10	023 183
2	Carriage part, 3 cam boxes	259 703		500	Cap screw M8x30	020 143
4	Shim	225 312		504	Circlip6	021 022
5	Shoulder screw	211 750		511	Shim0,2x10x70	023 699
8	Bush	207 546		512	Shim0,1x10x70	023 698
9	Bush	209 275		513	Shim0,05 x10x70	023 697
10	Bush	209 274		514	Dowel pin 5x14	020 670
11	Eccentric	222 983		515	Threaded bushM12x11,5	041 863



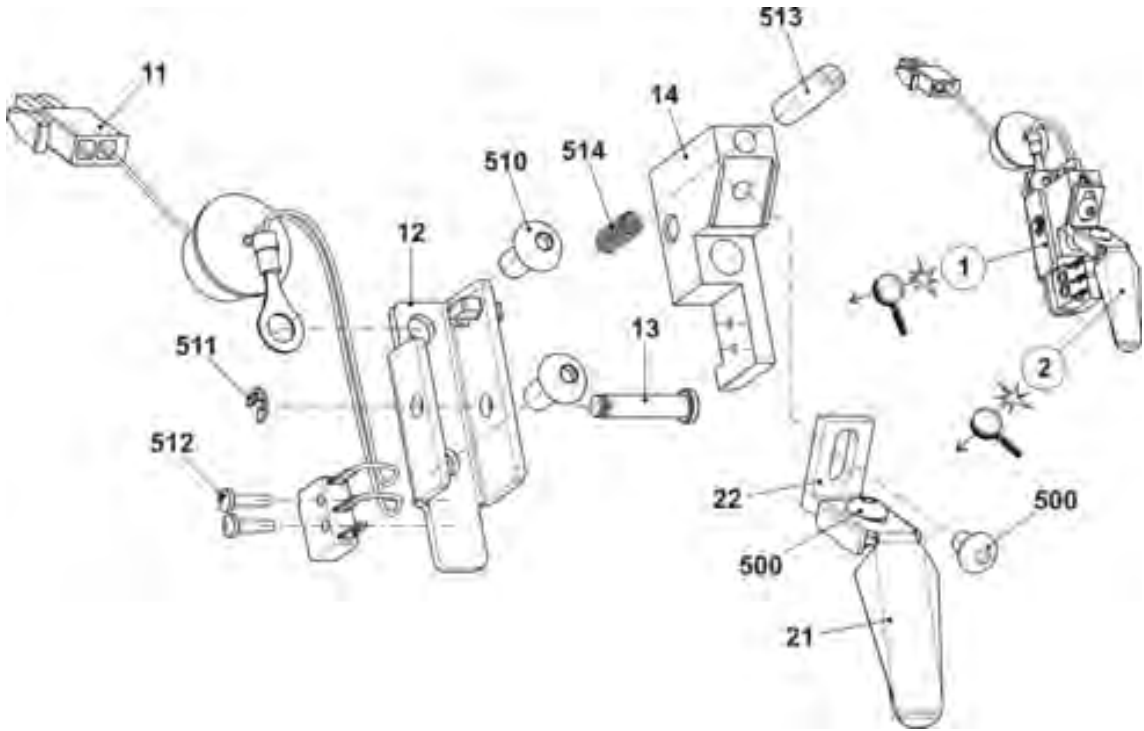
5.4 Carriage coupling

Pos	Designation	ID		Pos	Designation	ID
100	Connecting rod	225 128		506	Cap screw M16x45	023 366
120	Sleeve	225 600				



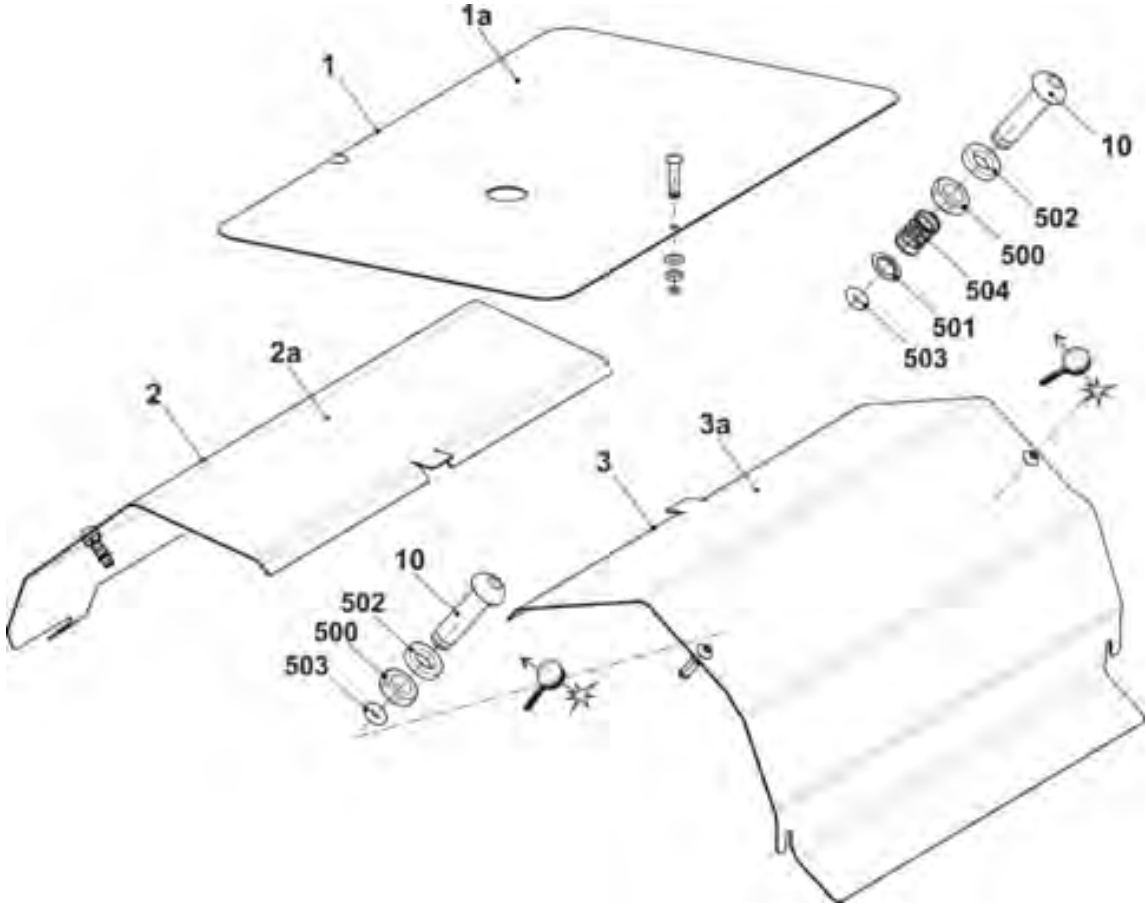
5.5 Needle detector

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



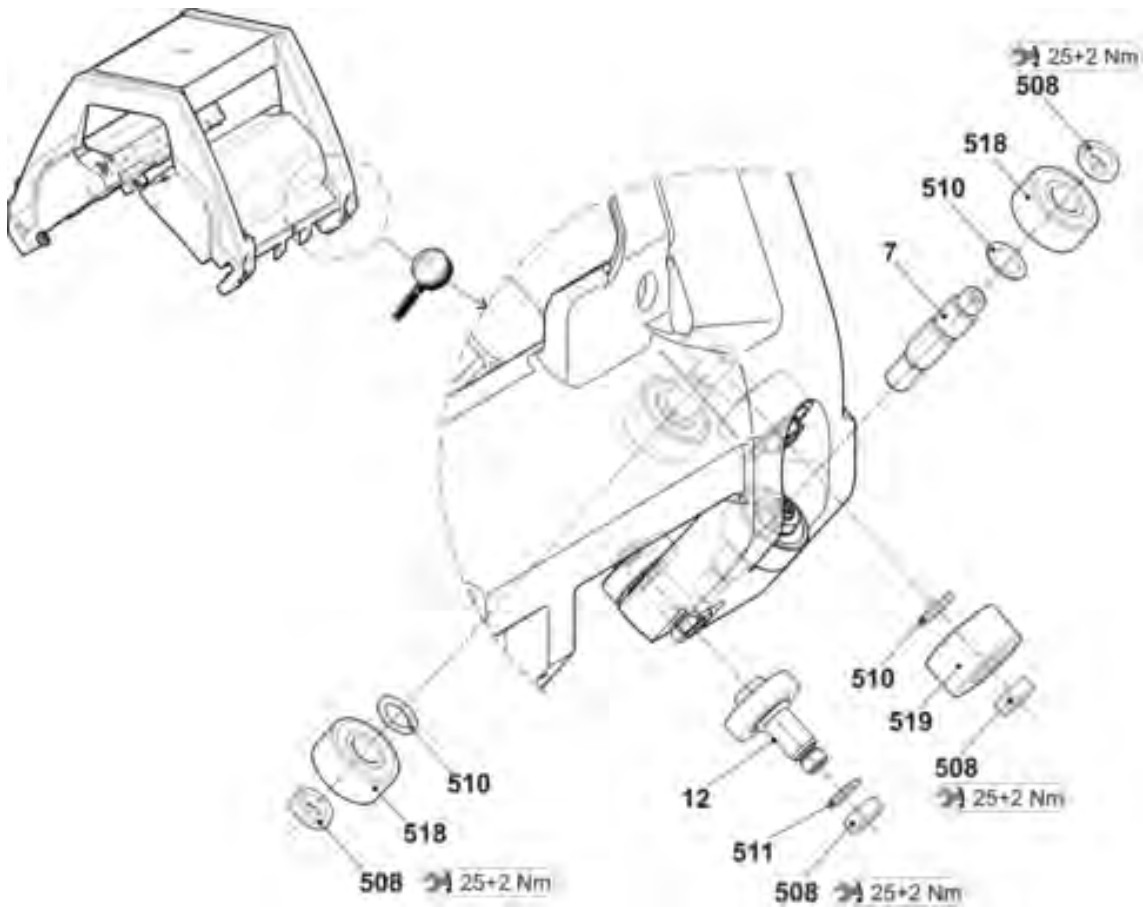
5.6 Carriage cover

Pos	Designation		ID		Pos	Designation	ID
1	Carriage cover at the top 3 cam boxes complete		257 100		10	Locating bolt	242 382
	1a	Carriage cover at the top 3 cam boxes 6Z	256 510		500	Hexagon nutM6	257 088
2	Carriage cover at the rear complete 3 cam boxes		257 161		501	Washer6.1x9x0,5	023 554
	2a	Carriage cover at the rear 3 cam boxes	256 736		502	Serrated lock washer 6,4	022 385
3	Carriage cover front 3 cam boxes		257 160		503	O-ring 3x2	242 420
	3a	Carriage cover front 3 cam boxes	256 735		504	Compression spring0,48x7,02x17,29	023 654



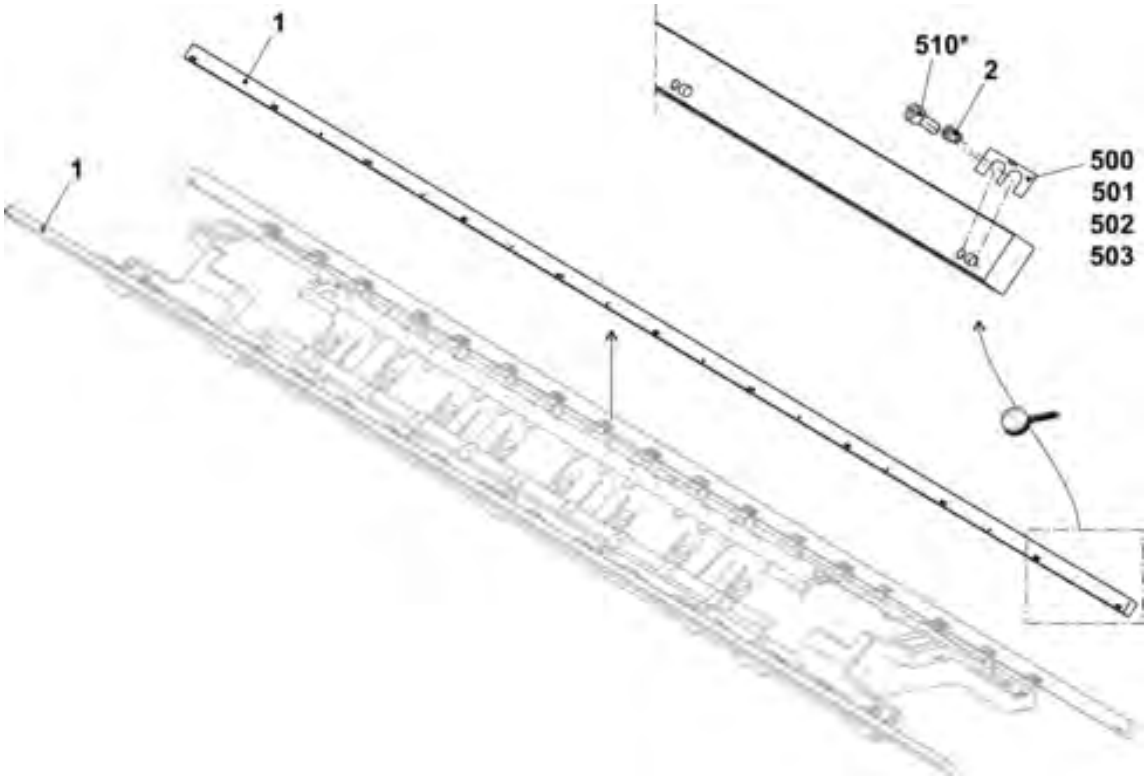
5.7 Carriage guide

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



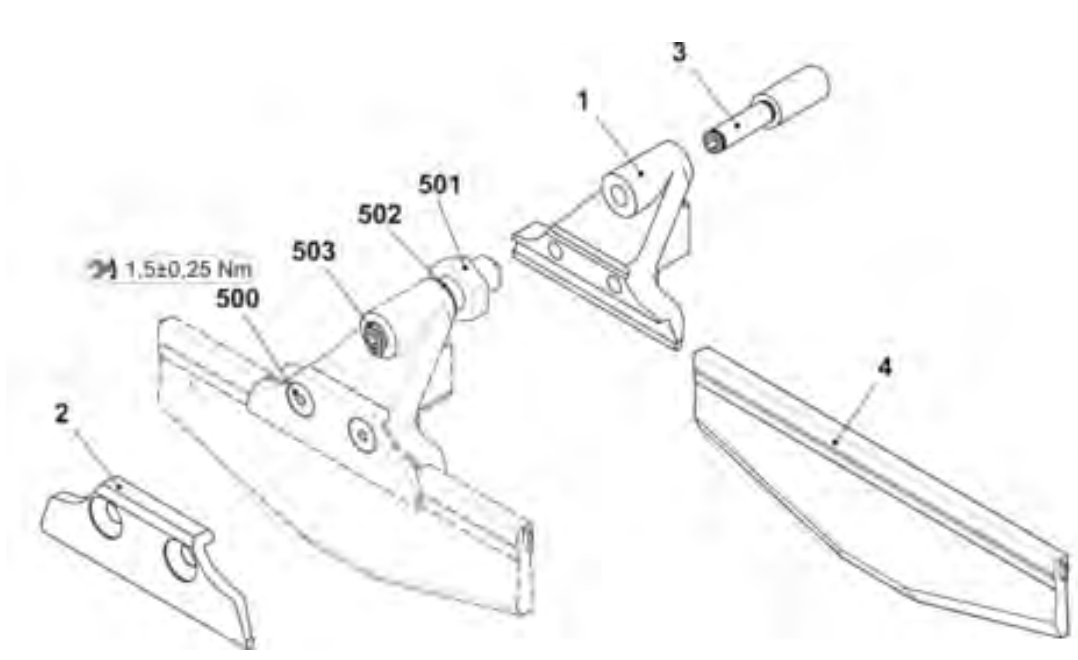
5.8 Spare parts package carriage guide rail

Pos	Designation	ID		Pos	Designation	ID
Σ	Spare parts package carriage guide rail 933	252 990		501	Shim0,05x22x42	243 291
1	Carriage guide rail	242 051		502	Shim0,10x22x42	243 292
2	Adjusting eccentric	241 219		503	Shim0,20x22x42	243 293
500	Shim0,03x22x42	243 289		510*	Cap screw M8x20	020 141



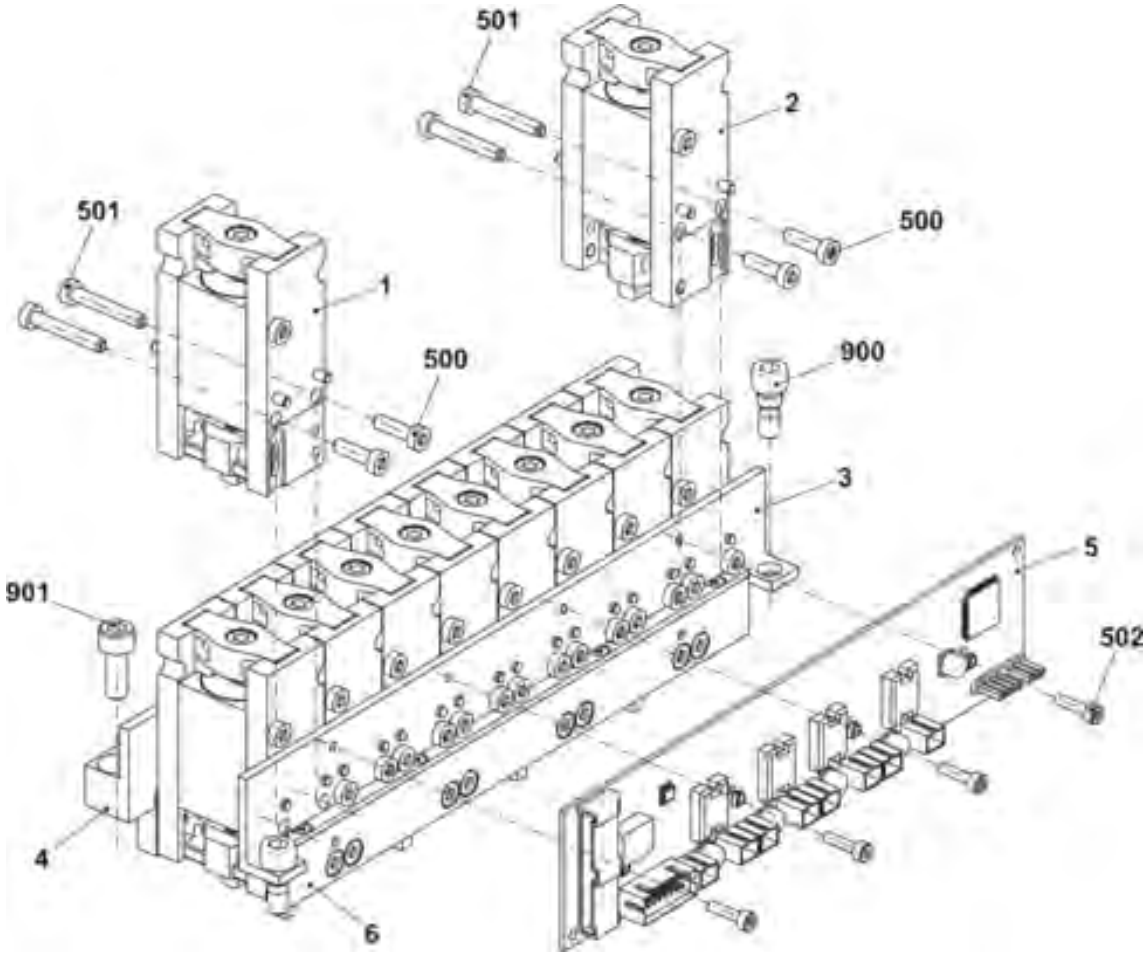
5.9 Brush holder

Pos	Designation	ID		Pos	Designation	ID
Σ	Brush holder complete E5-8	213 710				
1	Brush holder	213 009		500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010		501	Hexagon nutM8x5	023 750
3	Threaded rod	209 740		502	Shim ring 5x10x0,5	023 348
4	Brush	203 254		503	Locking ring5x0,6	023 347



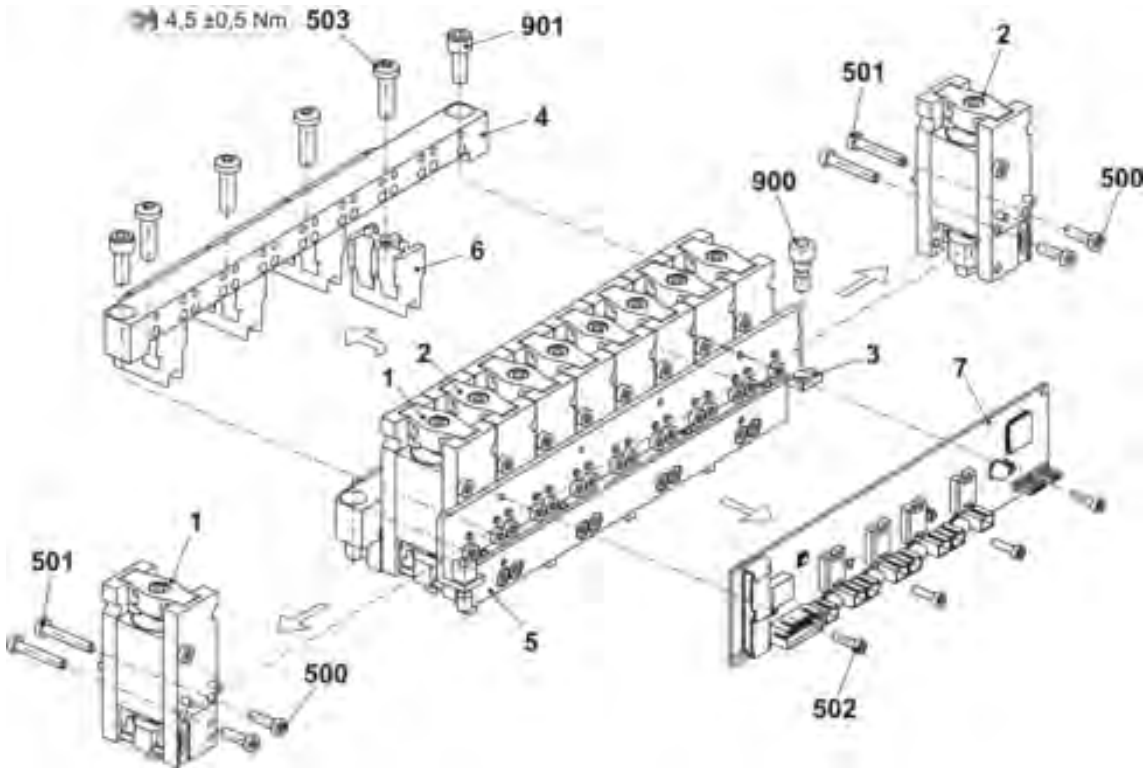
5.10 Yarn carrier driving without guide part

Pos	Designation	ID		Pos	Designation	ID
Σ	FF driving outside complete	245 297		6	Switch mechanism	251 137
1	Yarn carrier plunger on the right complete	243 080		500	Cap screwM4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118		501	Cap screwM4x25-I-Torx	245 305
3	Holding angle for jack	245 313		502	Cap screwM3x12-12.9	022 648
4	Holding block outside	245 294		900	Shoulder screw	231 899
5	Card yarn carrier final stagesOKC	300 960		901	Cap screwM6x16	020 135



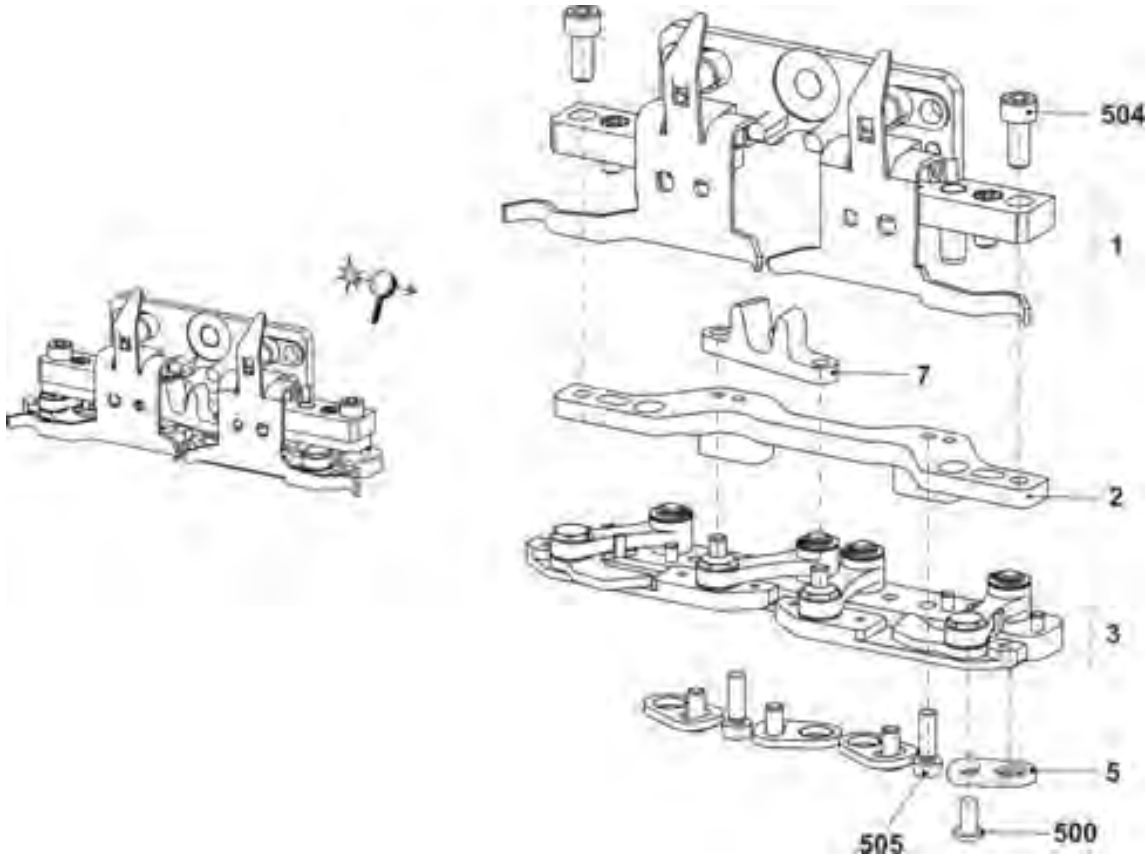
5.11 Yarn carrier driving with guide part

Pos	Designation	ID		Pos	Designation	ID
Σ	YC driving in the middle complete	245 298		7	Card yarn carrier final stagesOKC	300 960
1	Yarn carrier plunger on the right complete	243 080		500	Cap screwM4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118		501	Cap screwM4x25-I-Torx	245 305
3	Holding angle for jack	245 313		502	Cap screwM3x12-12.9	022 648
4	Holding block in the middle	245 308		503	Screw KB60x20	243 625
5	Switch mechanism	251 137		900	Shoulder screw	231 899
6	Guide part	239 972		901	Cap screwM6x16	020 135



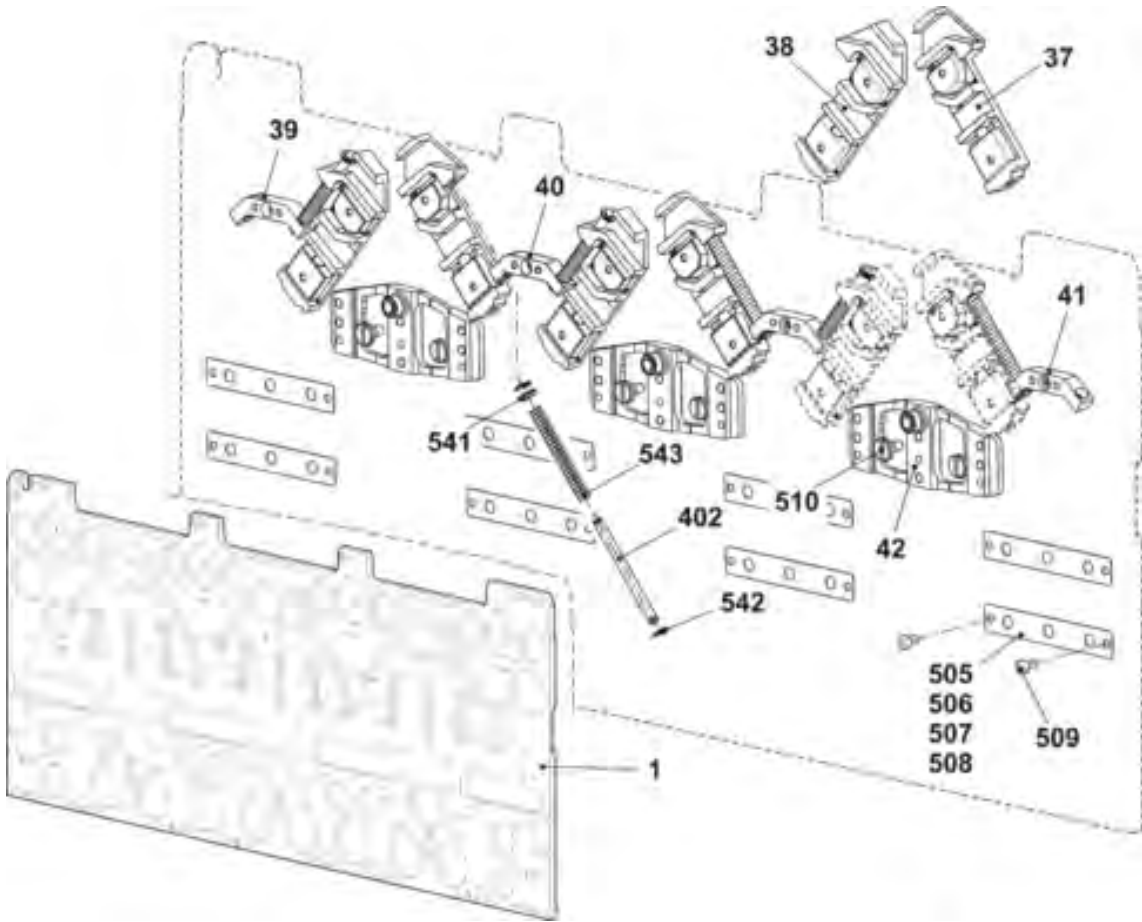
5.12 Holding-down jack control

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



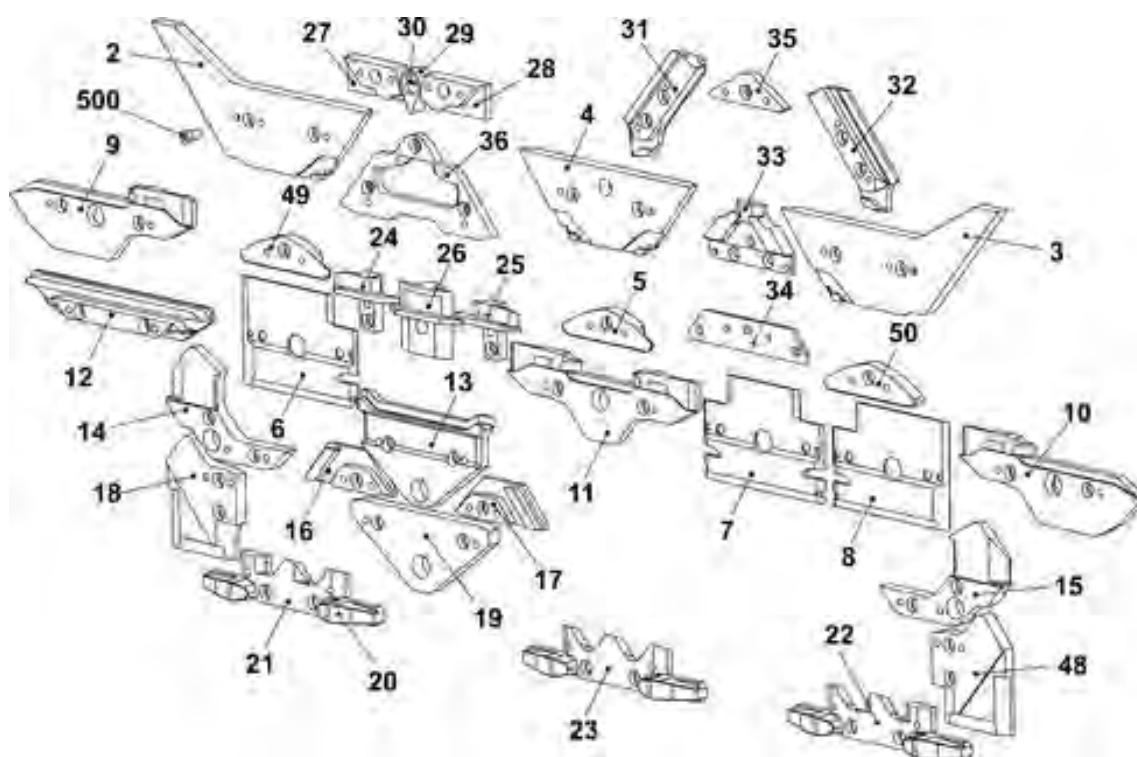
5.13 Cam box E5 | E3,5.2 | E5.2 | E5m.4 | E7m.5

Pos	Designation		ID		Pos	Designation		ID	
Σ	Cam box set complete E5		244 467		42	Switching piece		240 281	
1	Cam plate		240 371		505	Shim 0,03x12x75		022 828	
37	Loop sinking cam on the right complete E5 - E10		211 163		506	Shim 0,05x12x75		022 829	
38	Loop sinking 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	Pan-head screw M3x4		023 142	
41	Rod guide element on the right		211 168		510	Shoulder screw		239 626	
	402	Spring rod	209 791		Parts at the bottom of the cam box Cam box complete contains all parts for both carriage sides				
	541	Disc 10,5x25x2,5	022 153						
	542	Circlip 3.2	021 019						
	543	Compression spring	250 515						



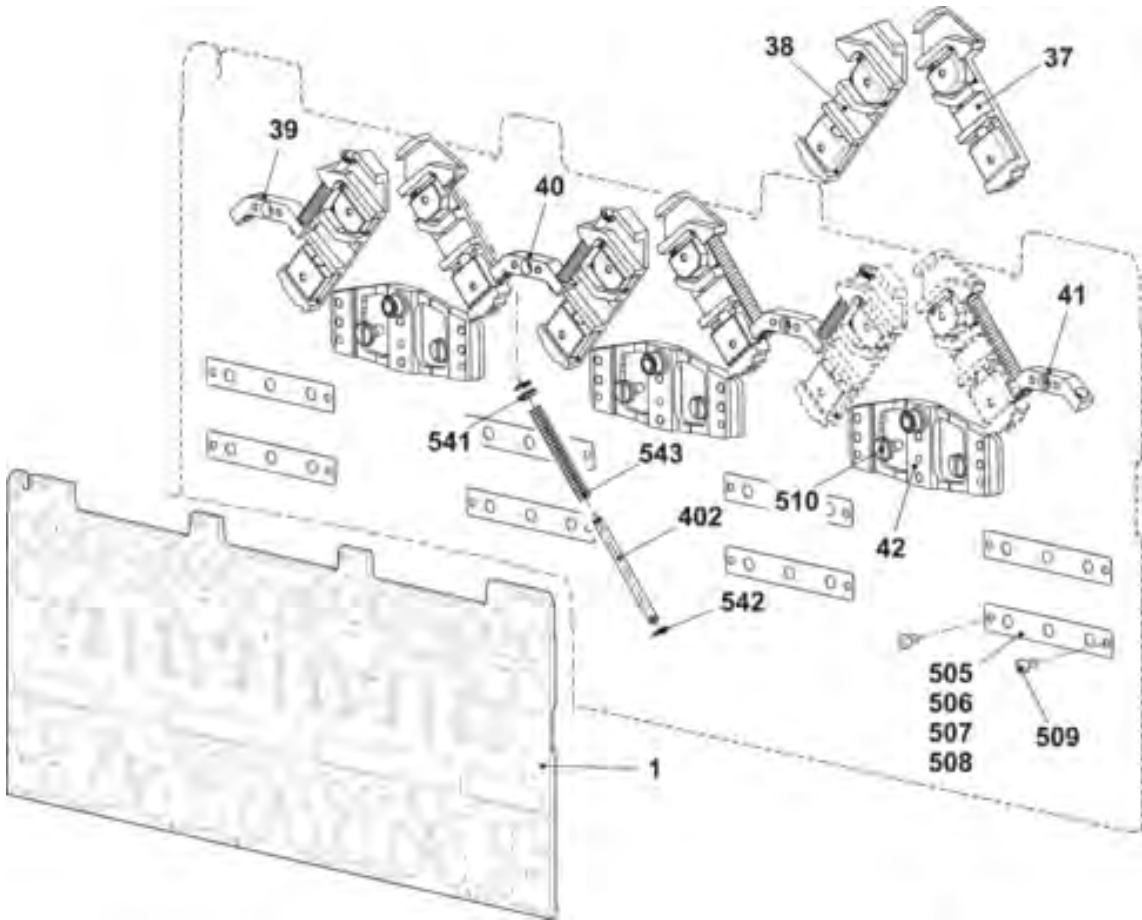
5.13.1 Cams E5 | E3,5.2 | E5.2 | E5m.4 | E7m.5

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 receiving on the left	239 848
5	Entry cam in the middle bottom E2,5.2 E3,5.2	235 719	25	Pressure part receiving on the right	239 849
6	Plate on the left	230 988	26	Tuck pressure part	239 621
7	Plate in the middle	231 035	27	Limiting cam on the left E5	210 289
8	Plate on the right	231 036	28	Limiting cam on the right E5	210 290
9	Cam on the left	231 039	29	Pointer E2,5.2 E3,5.2	229 505
10	Cam 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	227 923	32	Stitch cam on the right E2,5.2 E3,5.2	235 713
13	Cam	210 254	33	Tuck limiting cam E5	214 051
14	Cam on the left E5-14	212 265	34	Raising cam plate E4-12	204 372
15	Cam at the right E5-14	212 266	35	Receiving cam E5	210 386
16	Cam on the left	236 192	36	Raising cam without split-stitch E5	213 302
17	Cam 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 at the right E5-14	212 275
19	Cam	210 252	49	Entry cam at the bottom on the left E5-8	235 718
20	Offering cam	210 185	50	Entry cam at the bottom on the right E5-8	235 720
21	Selection cam on the left	212 944	500	Cap screw M4x8	020 091



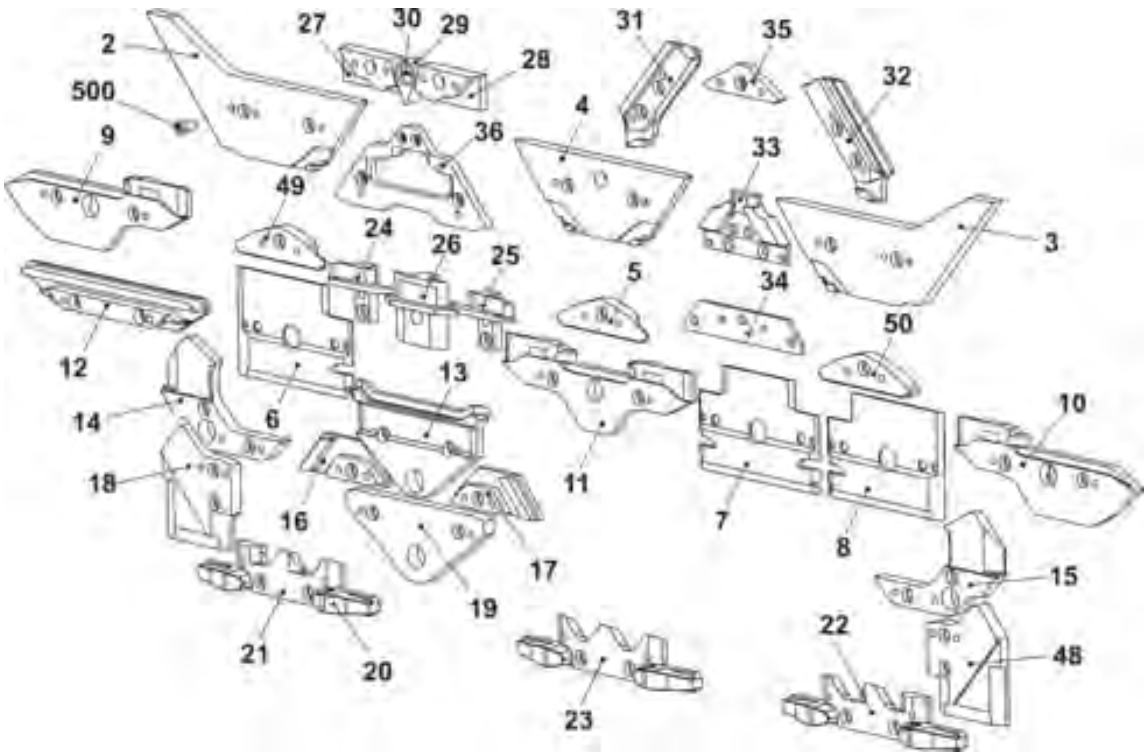
5.14 Cam box E7 | E8 | E7m.8 | E8m.7

Pos	Designation		ID		Pos	Designation		ID	
Σ	Cam box set complete E5		243 883		42	Switching piece		240 281	
1	Cam plate		240 371		505	Shim 0,03x12x75		022 828	
37	Loop sinking cam on the right complete E5-10		211 163		506	Shim 0,05x12x75		022 829	
38	Loop sinking 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	Pan-head screw M3x4		023 142	
41	Rod guide element on the right		211 168		510	Shoulder screw		239 626	
	402	Spring rod	209 791		Parts at the bottom of the cam box Cam box complete contains all parts for both carriage sides				
	541	Disc 10,5x25x2,5	022 153						
	542	Circlip 3.2	021 019						
	543	Compression spring	250 515						



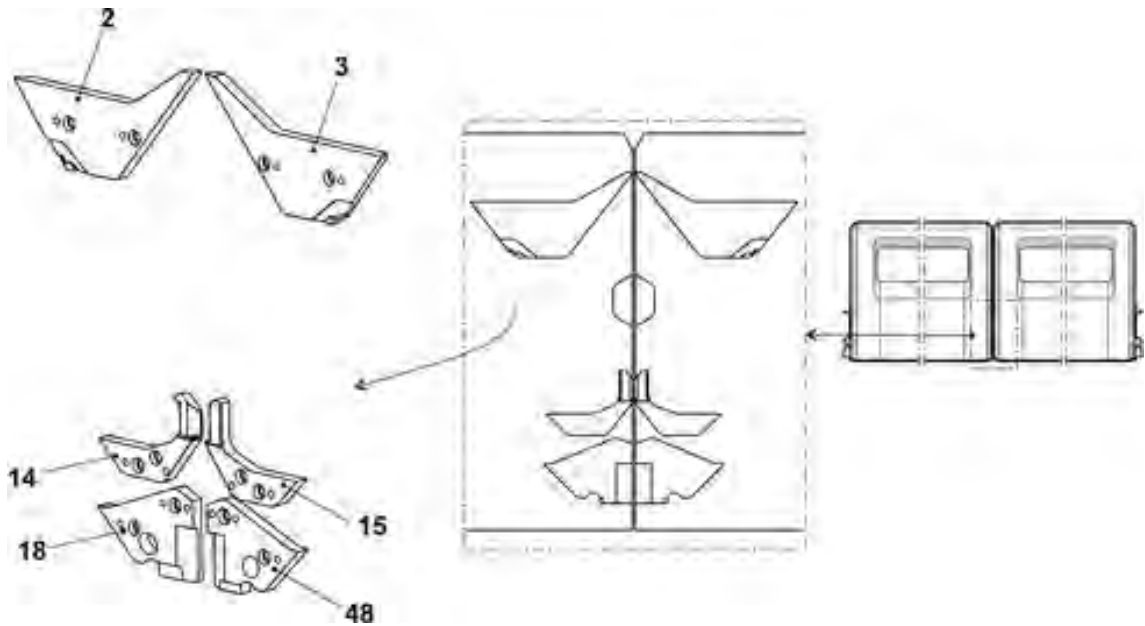
5.14.1 Cams E7 | E8 | E7m.8 | E8m.7

Pos	Designation	ID		Pos	Designation	ID
2	Entry cam on the left	213 304		23	Selection cam	212 946
3	Entry cam on the right	213 303		24	Pressure part receiving on the left	239 848
4	Entry cam at the top	210 285		25	Pressure part receiving on the right	239 849
5	Entry cam at the bottom E5-8	212 395		26	Tuck pressure part	239 621
6	Plate on the left	230 988		27	Limiting cam on the left E7-8	210 291
7	Plate in the middle	231 035		28	Limiting cam on the right E7-8	210 292
8	Plate on the right	231 036		29	Pointer E5-8	210 336
9	Cam on the left	231 039		30	Screw	210 335
10	Cam at the right	231 041		31	Stitch cam on the left E7-8	210 324
11	Cam part at the center	231 040		32	Stitch cam on the right E7-8	210 323
12	Cam	227 923		33	Tuck limiting 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 at the right E5-14	212 266		36	Raising cam without split-stitchE7-8	255 055
16	Cam on the left	236 192			Raising cam with split-stitchE7-8 Accessories	255 192
17	Cam at the right	236 193		48	Cam at 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	Selection cam on the left	212 944				
22	Selection cam on the right	212 947				

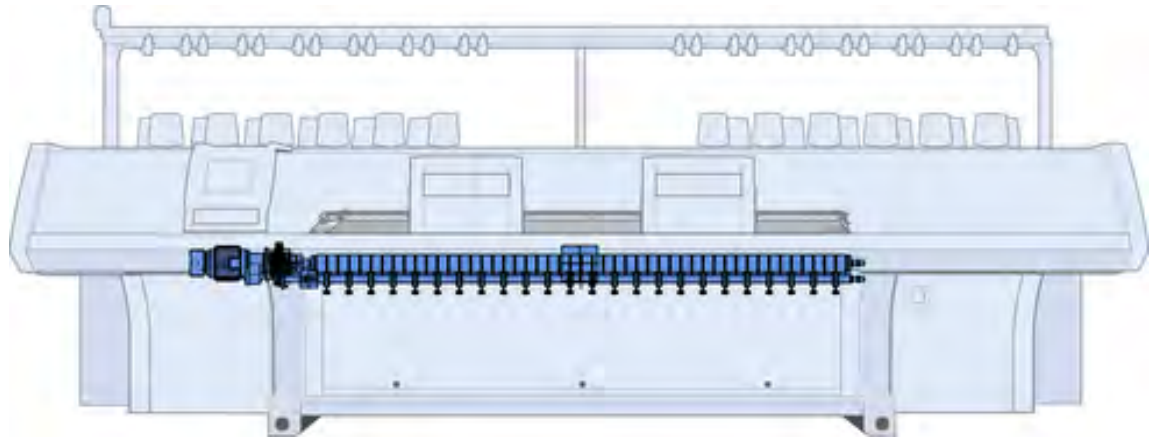


5.14.2 Cams for narrow coupling

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

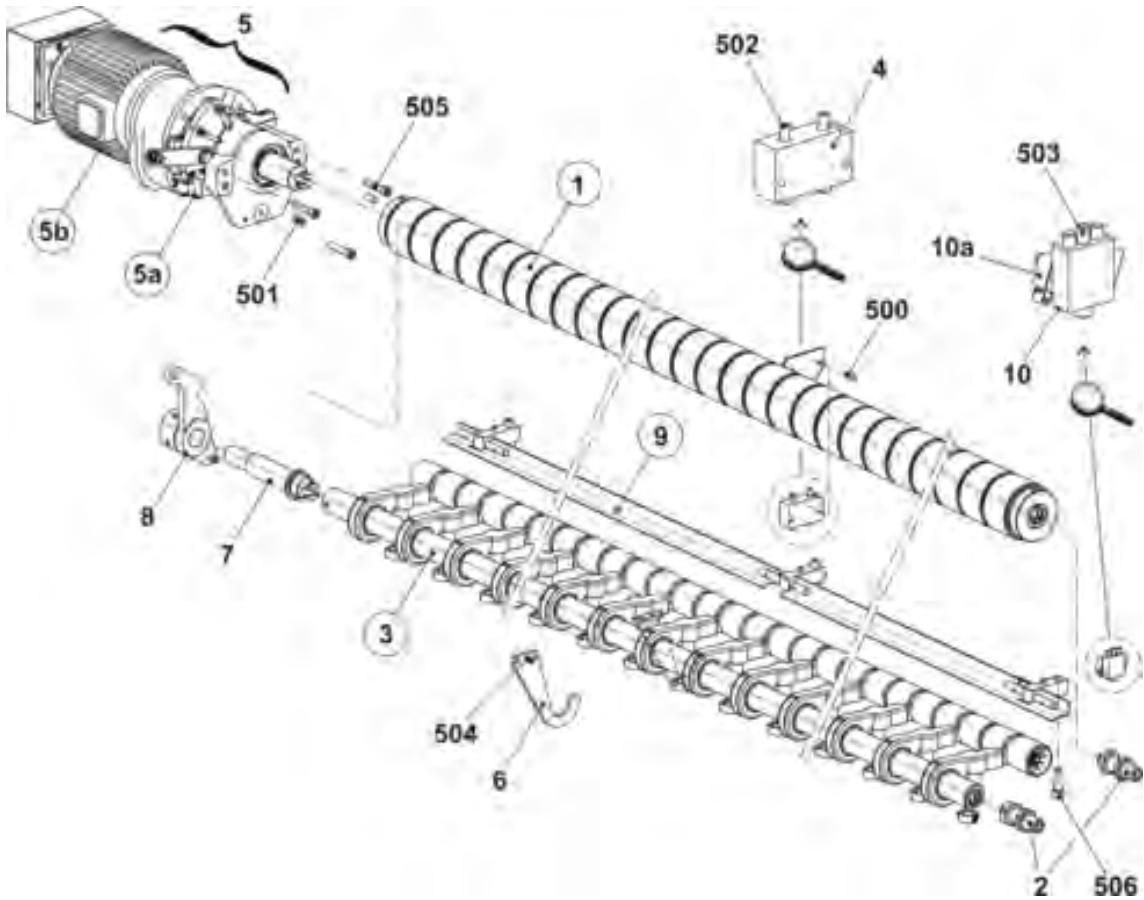


6 Main take-down



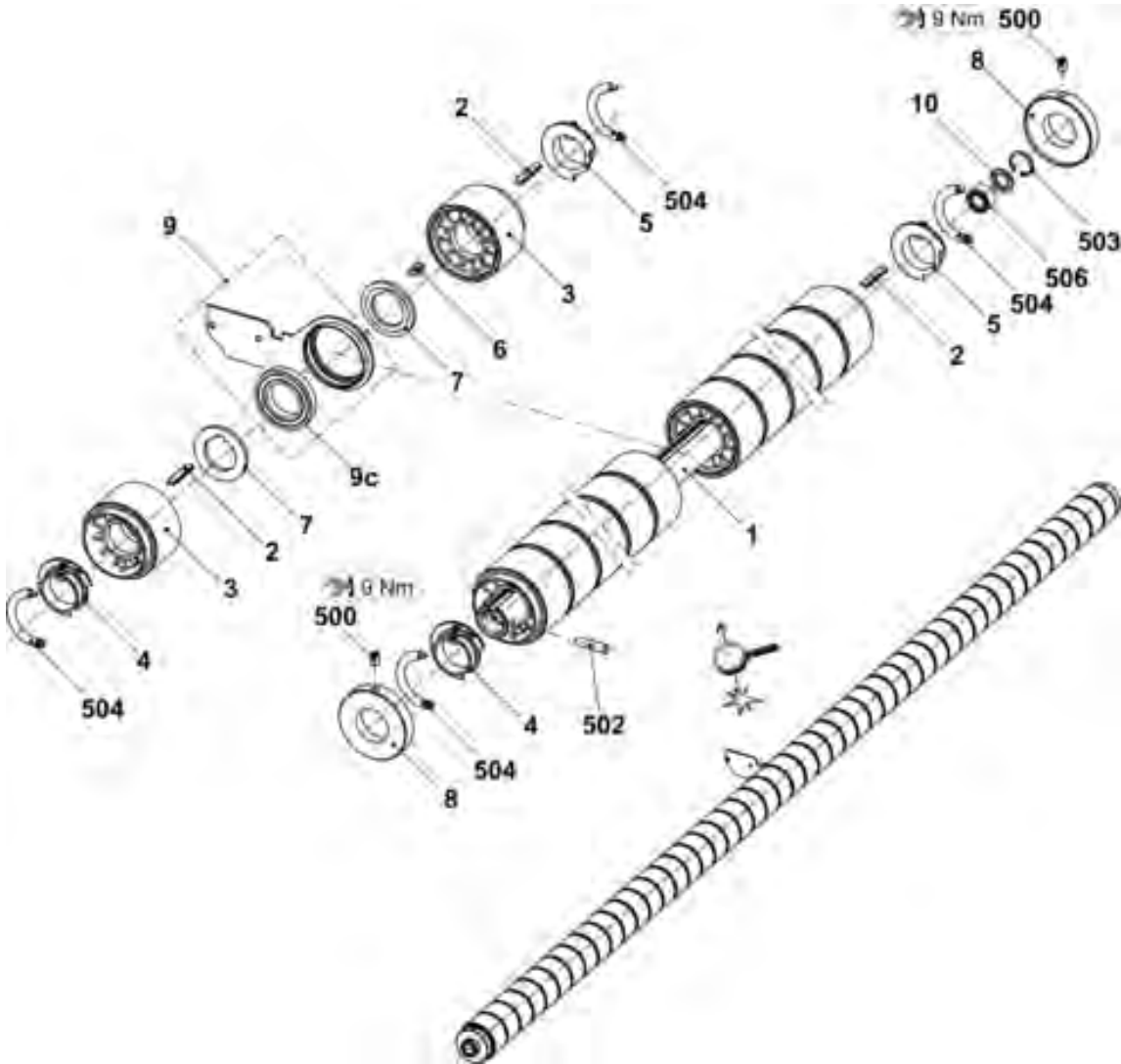
6.1 Main take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down	243 279			
1	Take-down roller complete	211 170	9	Fabric stripper	211 207
2	Journal complete	209 496	10	Stop point complete	209 009
3	Pressure shaft complete	243 265	10a	Microswitch	026 259
4	Bearing	207 692	500	Cap screw M6x12	020 134
5	Take-down unit	244 450	501	Dowel pin 8x20	020 693
5a	Take-down gear assembly complete	211 172	502	Cap screw M6x45	022 689
5b	Take-down motor with block	244 449	503	Cap screw M6x40	020 140
6	Support	243 294	504	Cap screw M6x20-12.9	020 136
7	Shaft complete	211 173	505	Cap screw M8x40	020 145
8	Lever complete	211 210	506	Cap screw M10x30	020 158



6.1.1 Take-down roller

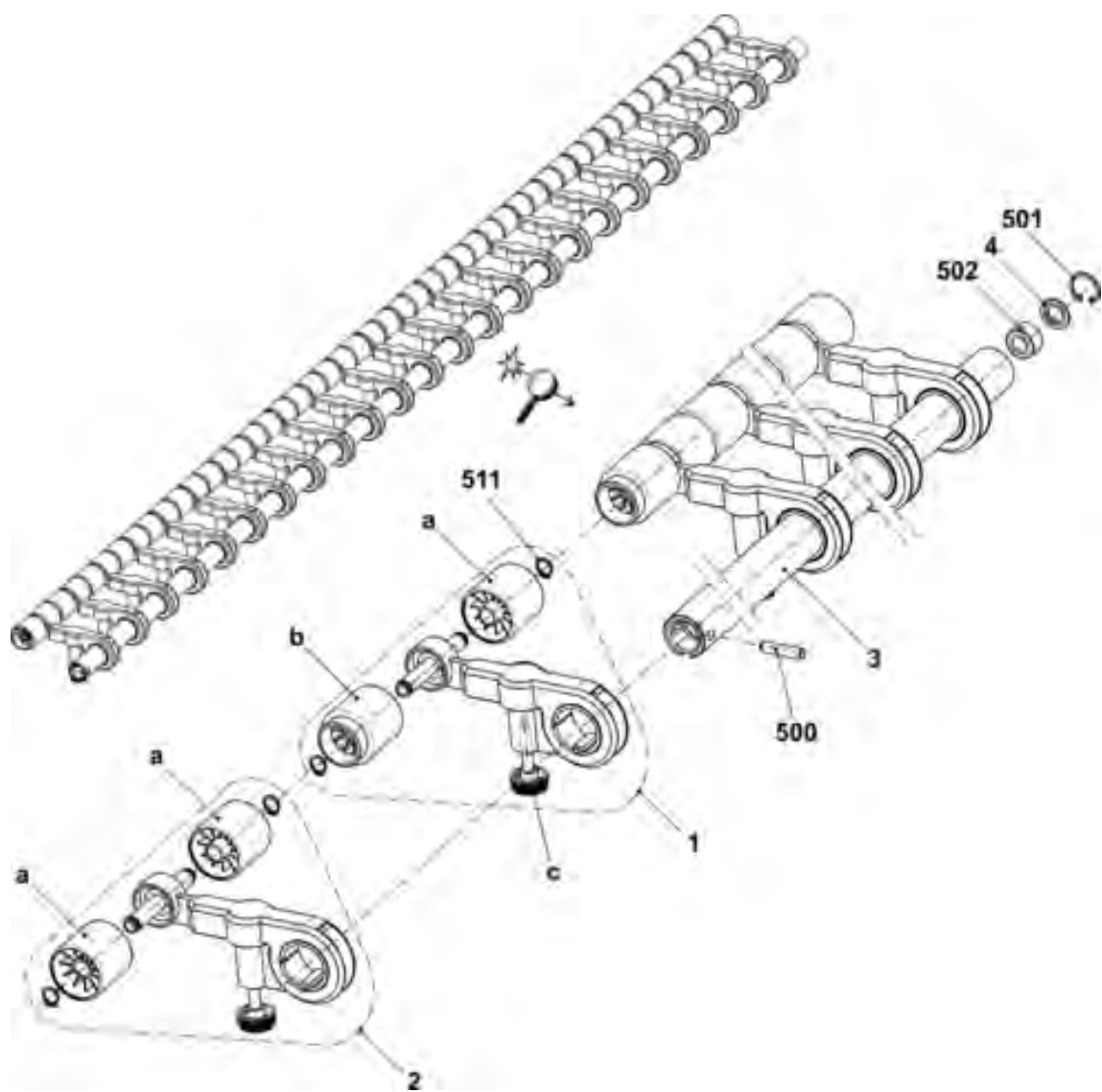
Pos	Designation	ID		Pos	Designation	ID
Σ	Take-down roller complete	211 170				
1	Wave	211 111		9	Support	204 462
2	Spacer slide	204 340			9c Grooved ball bearing16007	021 697
3	Roller	236 169		10	Spacing ring	030 689
4	Stop ring on the left	204 369		500	SetscrewM8x12-45H	023 393
5	Stop ring on the right	204 376		502	Dowel pin 8x34	020 699
6	Slide	204 341		503	Locking ring24x1,2	020 975
7	Spacing ring	204 343		504	Tension spring 8x0,95x65	023 231
8	End ring	211 110		506	Needle roller bearing NA4901	021 746



6.1 Main take-down

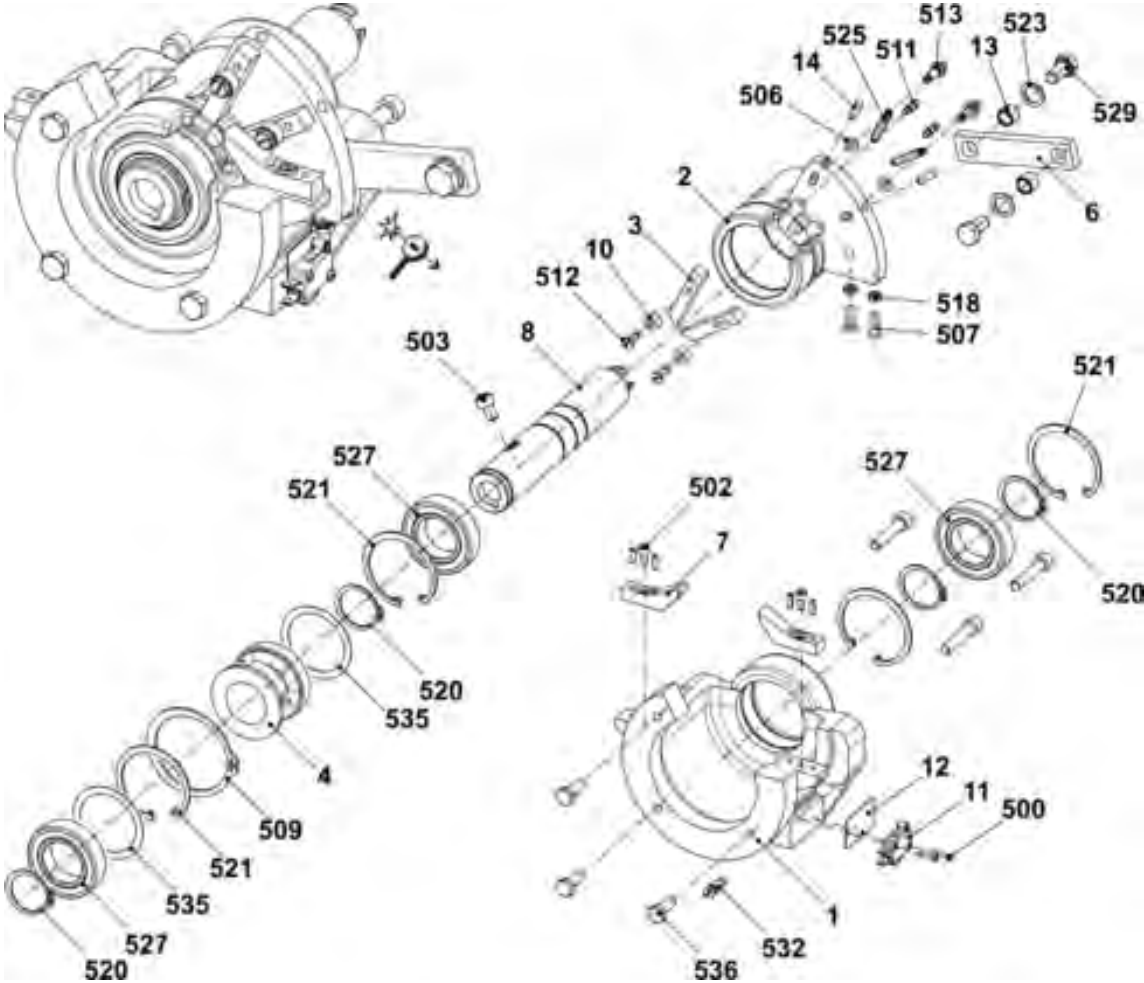
6.1.2 Contact shaft

Pos	Designation		ID		Pos	Designation		ID
Σ	Pressure shaft complete		243 265					
1	Contact lever		243 262		3	Wave		211112
	a	Pressure roller	243 551		4	Spacing ring		030 689
	b	Pressure roller	243 552		500	Dowel pin 8x34		020 699
	c	Knurled screw	242 331		501	Locking ring24x1,2		020 975
	511	Locking ring12x1	020 951		502	Needle bearingNA4901		021 746
2	Contact lever on the left		243 263					
	a	Pressure roller	243 551					



6.1.3 Take-down gear assembly

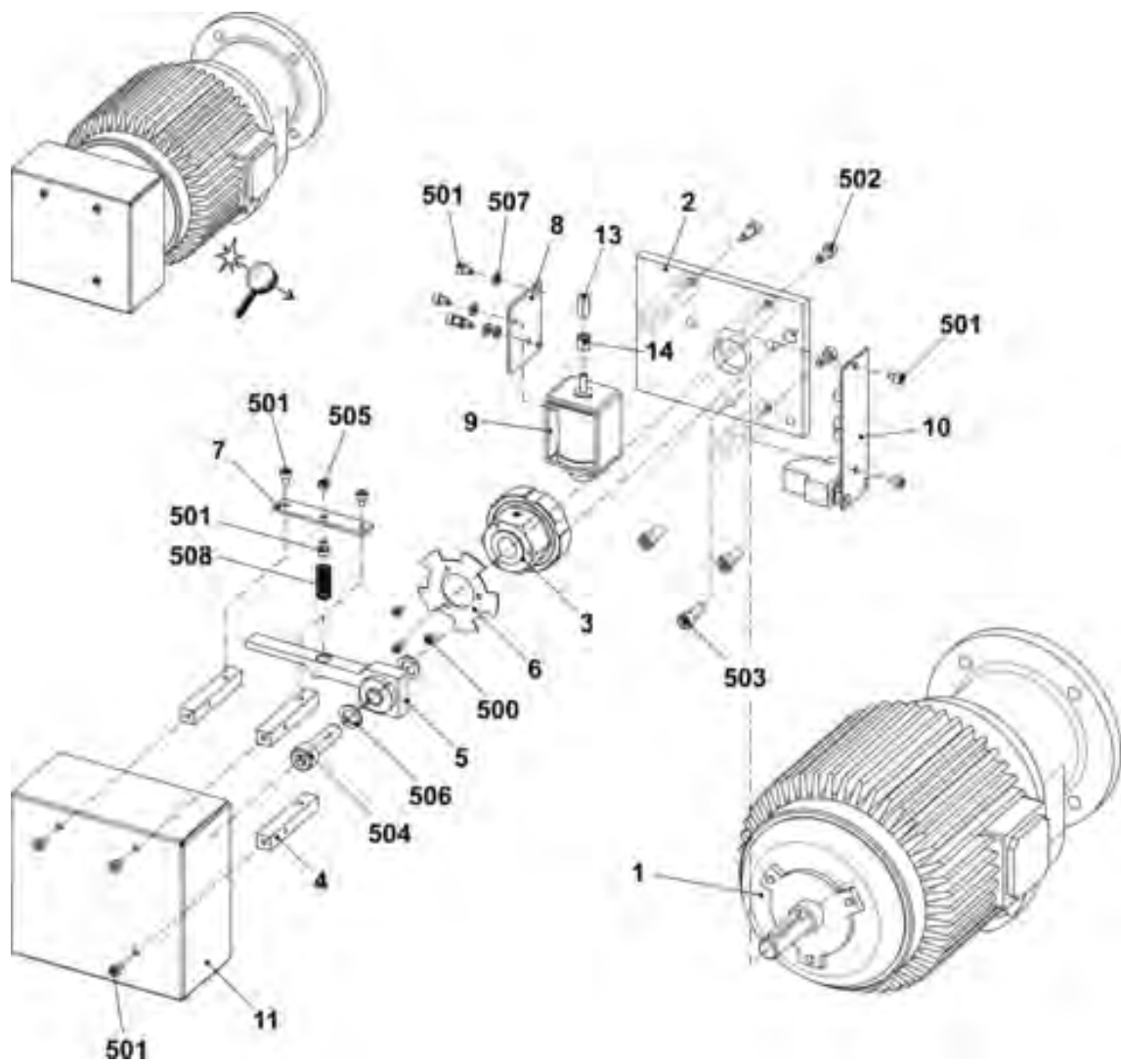
Pos	Designation	ID		Pos	Designation	ID
Σ	Take-down gear assembly complete	211 172		506	Washer6,4x12x0,3	022 737
1	Main bearing	204 292		507	Hexagon screw M6x16	020 356
2	Bearing housing	204 293		509	Locking ring80x2,5	023 225
3	Slider	204 314		511	Shoulder screw M5x11x17	204 318
4	Driver sleeve	204 313		512	Shoulder screw M5x8x8	020 247
6	Bracket	204 323		513	Shoulder screw M5x12,5x29-5.8	204 317
7	Ramp	209 281		518	Hexagon nutM6-04	020 855
8	Drive shaft	211 127		520	Locking ring35x1,5	023 139
10	Roll	207 077		521	Locking ring62x2	020 986
11	Microswitch	026 259		523	Supporting ring S 14x20x1,5	023 223
12	Insulating disk	048 012		525	Tension spring 6x0,65x20	021 187
13	Sleeve	207 078		527	Grooved ball bearing 6007-2Z	023 140
14	Damping pin	200 919		529	Hexagon screw M10x20	020 366
500	Cap screw M3x15	020 009		532	Shoulder screw M6x17x24-5.8	023 178
502	Cap screw M5x10	022 918		535	Shim ring 50x62x0,5	023 226
503	Cap screw M8x12	023 138		536	Hexagon screw M8x20	020 361



6.1 Main take-down

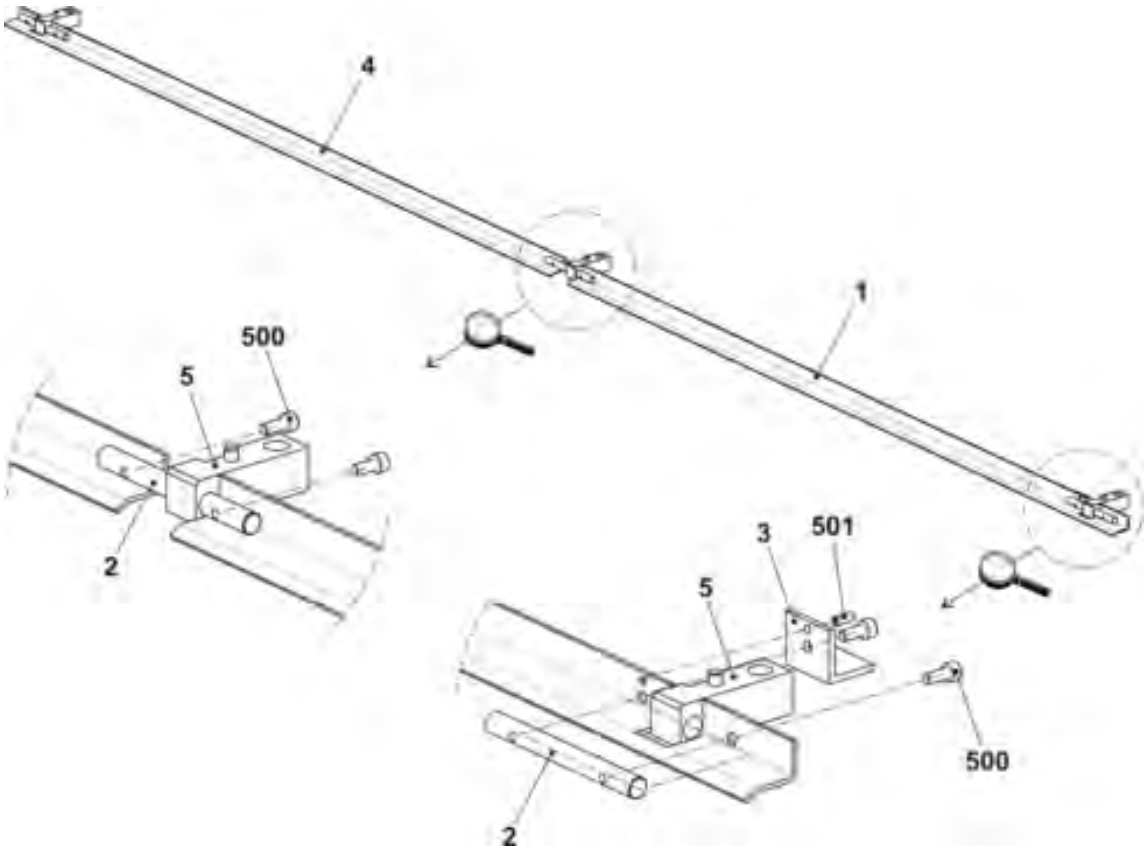
6.1.4 Take-down motor with block

Pos	Designation	ID		Pos	Designation	ID
Σ	Take-down motor with block	244 449				
1	Motor of main take-down	217 602		13	Pressure piece	202 940
2	Base plate	204 643		14	Nut	202 941
3	Hub switching ring	208 934		500	Cap screw M3x6-12.9	022 589
4	Bolts	202 933		501	Cap screw M4x6	023 067
5	Catch complete	211 560		502	Cap screw M5x12	020 132
6	Impulse discWA1	202 751		503	Cap screw M6x16	020 135
7	Bridge	202 936		504	Cap screw M10x1x35	023 364
8	Plate	205 139		505	Hexagon nutM4-6	020 834
9	Catch magnet	026 042		506	Shim ring 10x16x1,5	023 261
10	Card for impulse sensor of rotary field motor	300 487		507	Serrated lock washer	022 482
11	Cover	244 448		508	Compression spring0,7x8,8x35	023 028



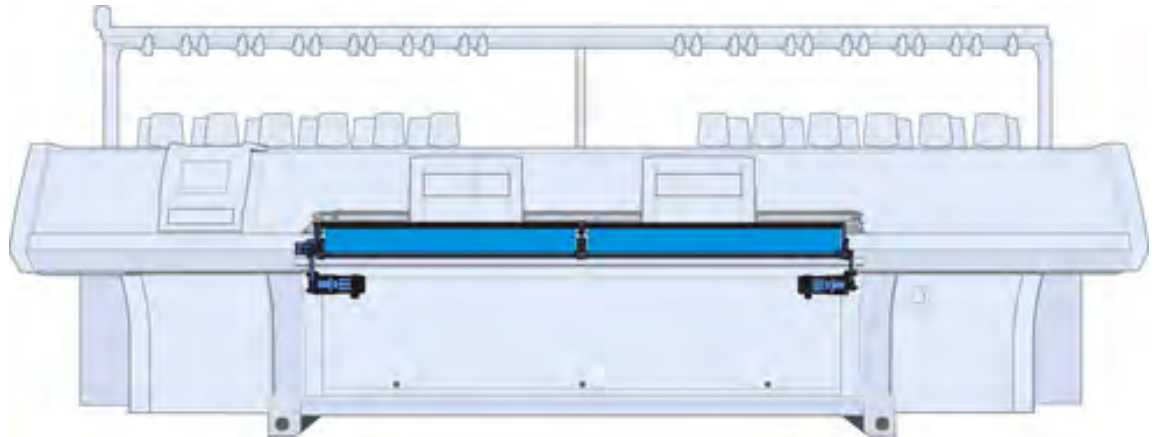
6.1.5 Fabric stripper

Pos	Designation	ID		Pos	Designation	ID
Σ	Fabric stripper	211 207		4	Stripping plate on the left	211 151
1	Stripping plate on the right	211 150		5	Bearing	211 152
2	Axle	211 218		500	Cap screw M5x12	020 132
3	Lever	211 215		501	Spring dowel sleeve 4x10	020 781



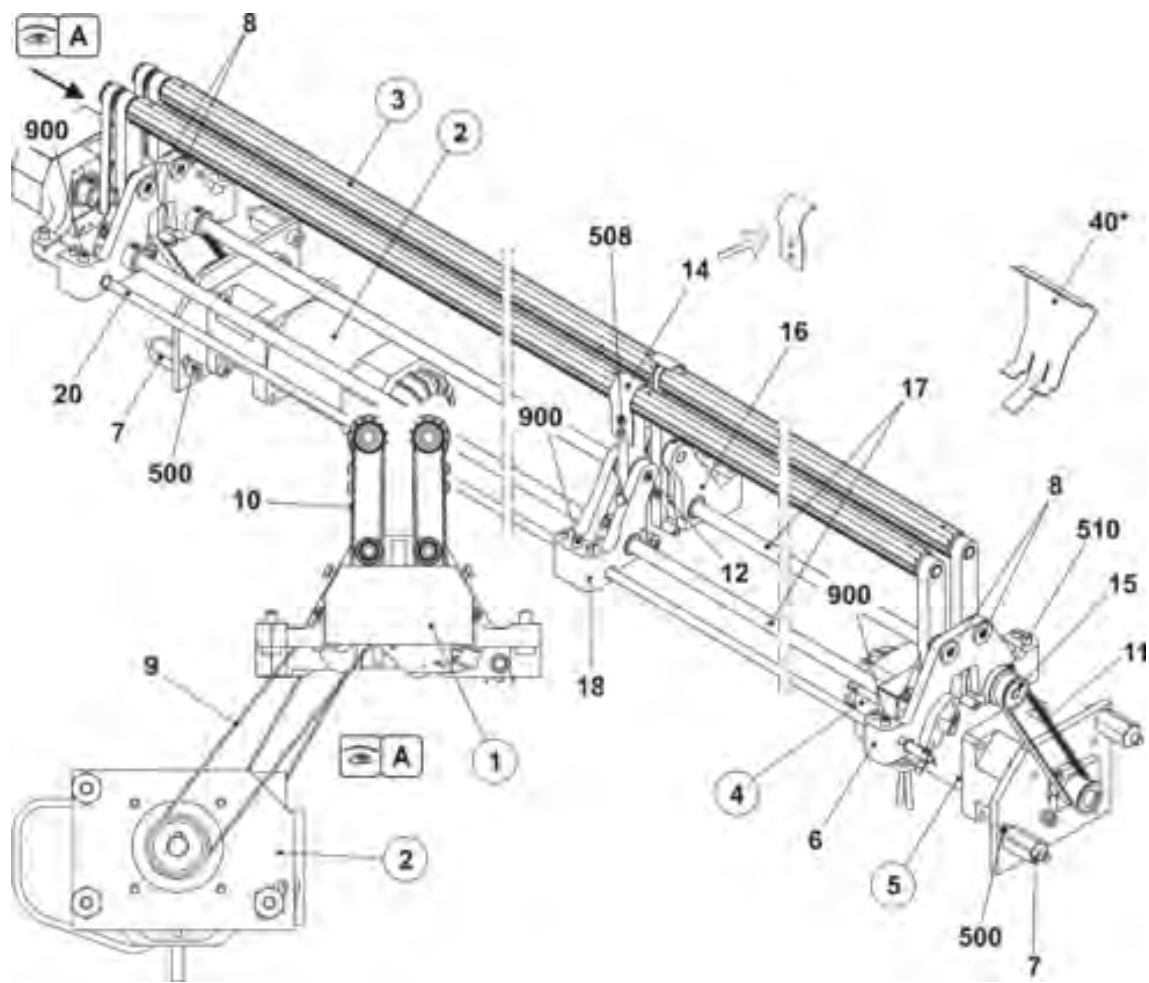
Notes:

7 Auxiliary take-down



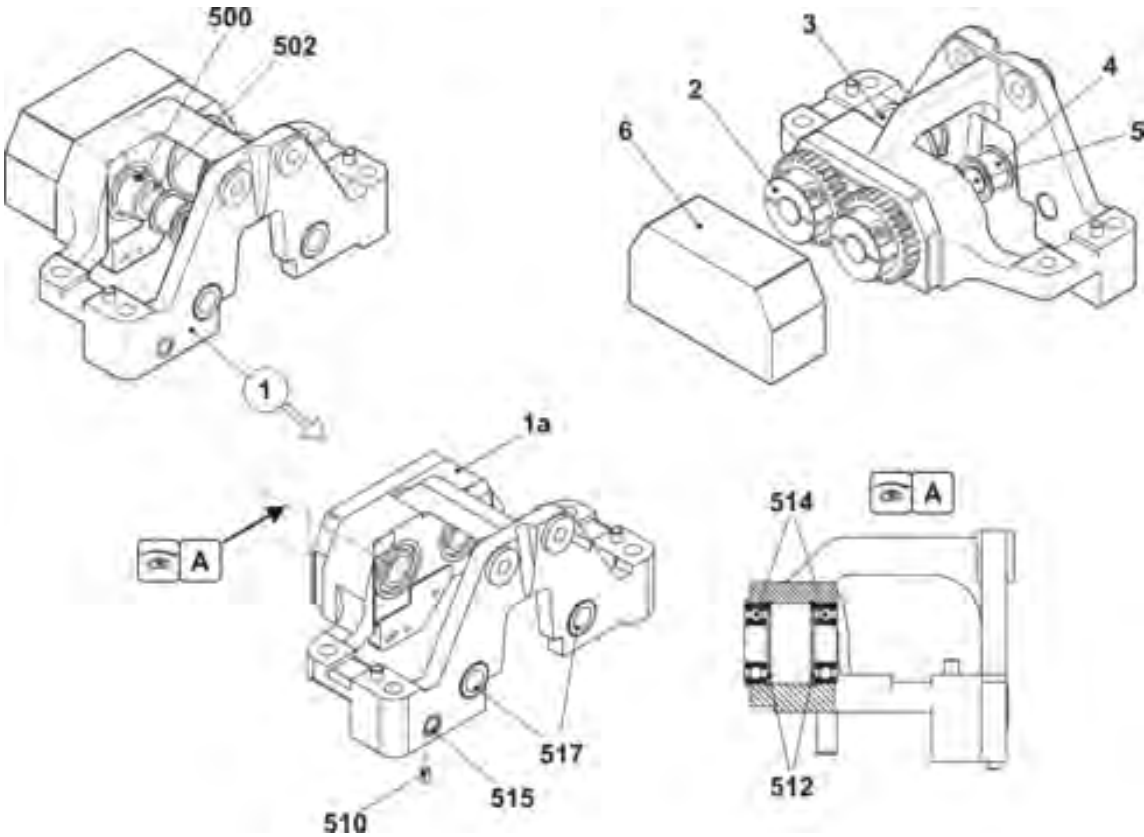
7.1 Auxiliary take-down

Pos	Designation	ID		Pos	Designation	ID
Σ	Auxiliary take-down	239 084		12	Bolts	225 782
1	Main bearing complete	239 081		14	Cover	211 093
2	Motor biphas complete	239 056		15	Timing belt pulleyZ16 T5	207 575
3	Take-down roller complete	227 517		16	Bearing at the rear in the middle	227 520
4	Gear unit	211 204		17	Wave	210 869
5	Motor biphas complete	239 073		18	Bearing at the front and in the middle	227 524
6	Bearing on the right	227 522		20	Contact rod	211 195
7	Stay bolt	238 991		40*	Fabric sensor	208 200
8	Bolts	227 363		500	Cap screw M8x20	020 141
9	Toothed belt16t5/525	207 635		508	Pan-head screw M4x8	023 036
10	Toothed belt10t5/280	207 633		510	Cap screw M5x16-8.8	023 141
11	Toothed belt10t5/420	239 036		900	Cap screw M8x35	020 144



7.1.1 Main bearing

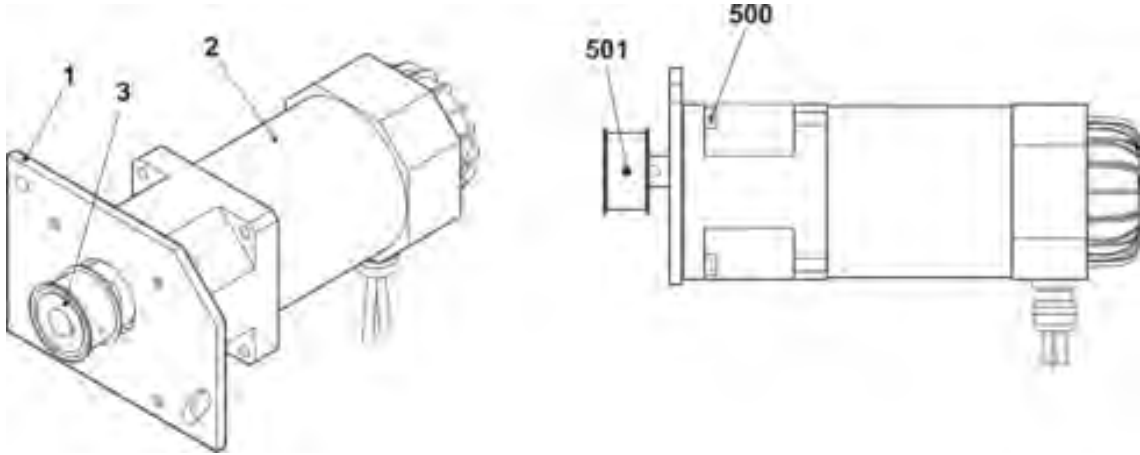
Pos	Designation		ID		Pos	Designation		ID
Σ	Main bearing complete		239 081					
1	Main bearing pre-assembled		227 529		2	Gear wheel		209 428
	1a	Main bearing	210 610		3	Timing belt pulley		209 436
	510	SetscrewM5x6	022 580		4	Timing belt pulley		210 555
	512	Locking ring32x1,2	023 355		5	Wave		211 141
	514	Grooved ball bearing 6002-2ZY	023 217		6	Cover		211 357
	515	Slide bearing MSM-0812-08	023 353		500	SetscrewM6x5		023 192
	517	Slide bearing GFM-121418-10	023 352		502	Set collarA12		020 935



7.1 Auxiliary take-down

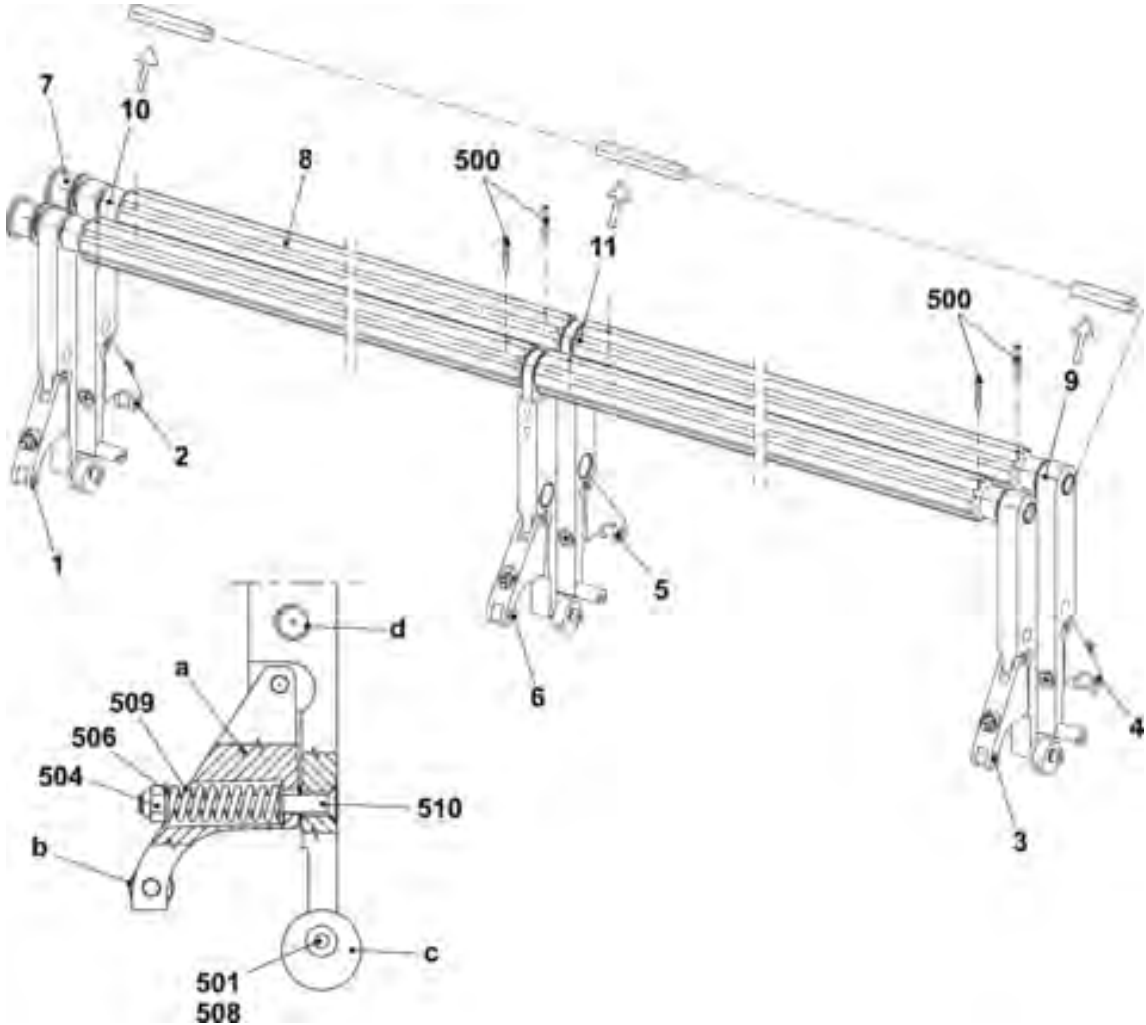
7.1.2 Motor on the left

Pos	Designation	ID		Pos	Designation	ID
Σ	Motor biphas complete	239 056		3	Timing belt pulley	238 060
1	Motor plate	238 061		500	Cap screw M6x16	020 135
2	Motor	234 805		501	SetscrewM4x6	023 088



7.1.3 Take-down roller

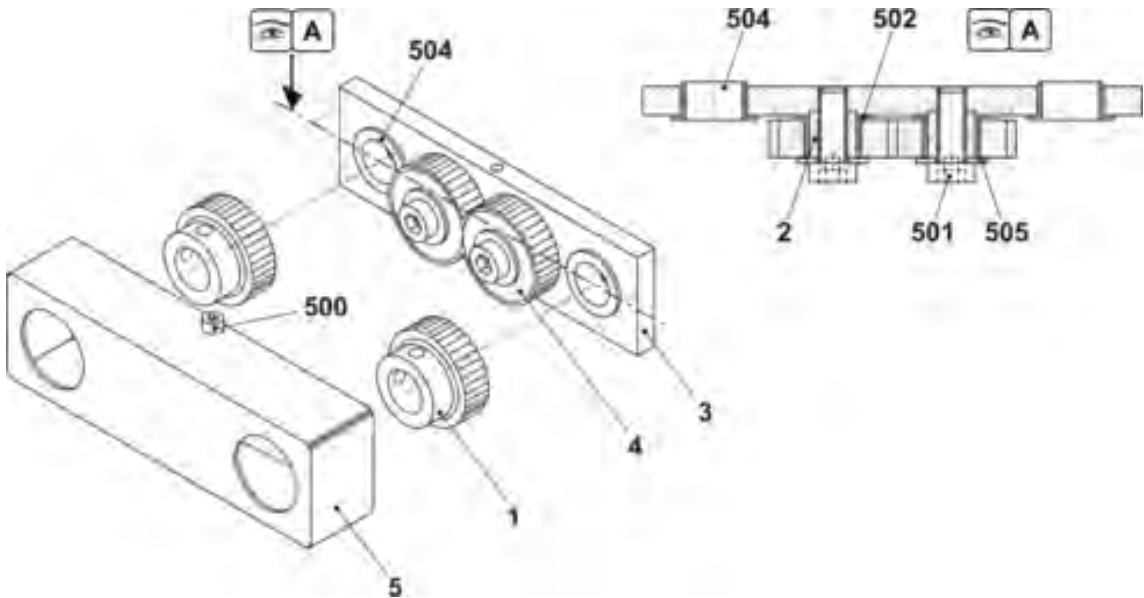
Pos	Designation	ID		Pos	Designation	ID	
Σ	Take-down roller complete	227 517					
1	Lever at the front on the left complete	227 511		500	Spring dowel sleeve 3x20		020 776
2	Lever at the rear on the left complete	227 512		1-6	a	Tilting lever	208 434
3	Lever at the front on the right complete	227 515			b	Roll	200 577
4	Lever at the rear on the right complete	227 516			c	Eccentric	208 486
5	Lever at the rear on the left complete	227 513			d	Slide bearing	023 655
6	Lever at the front in the middle complete	227 514			501	Cap screw M4x20	023 171
7	Timing belt pulley	225 910			504	Hexagon nutM4-6	023 046
8	Take-down roller	225 783			506	Washer4-200HV	020 870
9	Bolts	225 782			508	CirclipS4	022 774
10	Bolts	225 781			509	Compression spring1,6x6,4x27,1	023 288
11	Bolts	225 536			510	Pan-head screw M4x45	023 291



7.1 Auxiliary take-down

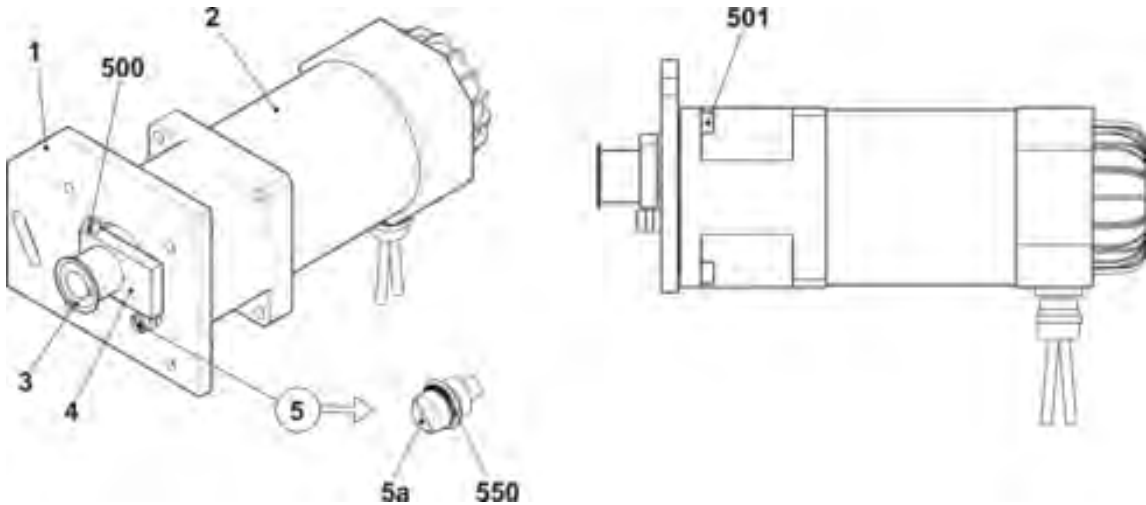
7.1.4 Gear unit

Pos	Designation	ID		Pos	Designation	ID
Σ	Gear unit	211 204				
1	Gear wheel	208 101		500	Cap screw M3x6	022 589
2	Sleeve	211 136		501	Cap screw M6x16	023 116
3	Bracket	211 134		502	Slide bearing GFM-101216-09	023 356
4	Gear wheel	211 138		504	Slide bearing GFM-121418-08	023 281
5	Cover	211 139		505	Washer6,4x15x1	020 902



7.1.5 Motor on the right

Pos	Designation	ID		Pos	Designation	ID
Σ	Motor biphas complete	239 073		5	Stop point complete	208 921
1	Plate for motor	238 069		5a	Stop point	207 617
2	Motor	234 805		550	O-ring 6x3	022 856
3	Timing belt pulleyZ 16 T 5	238 086		500	Cap screw M5x25	023 523
4	Clamping lever	238 084		501	Cap screw M6x16	020 135



7.1 Auxiliary take-down

Notes:

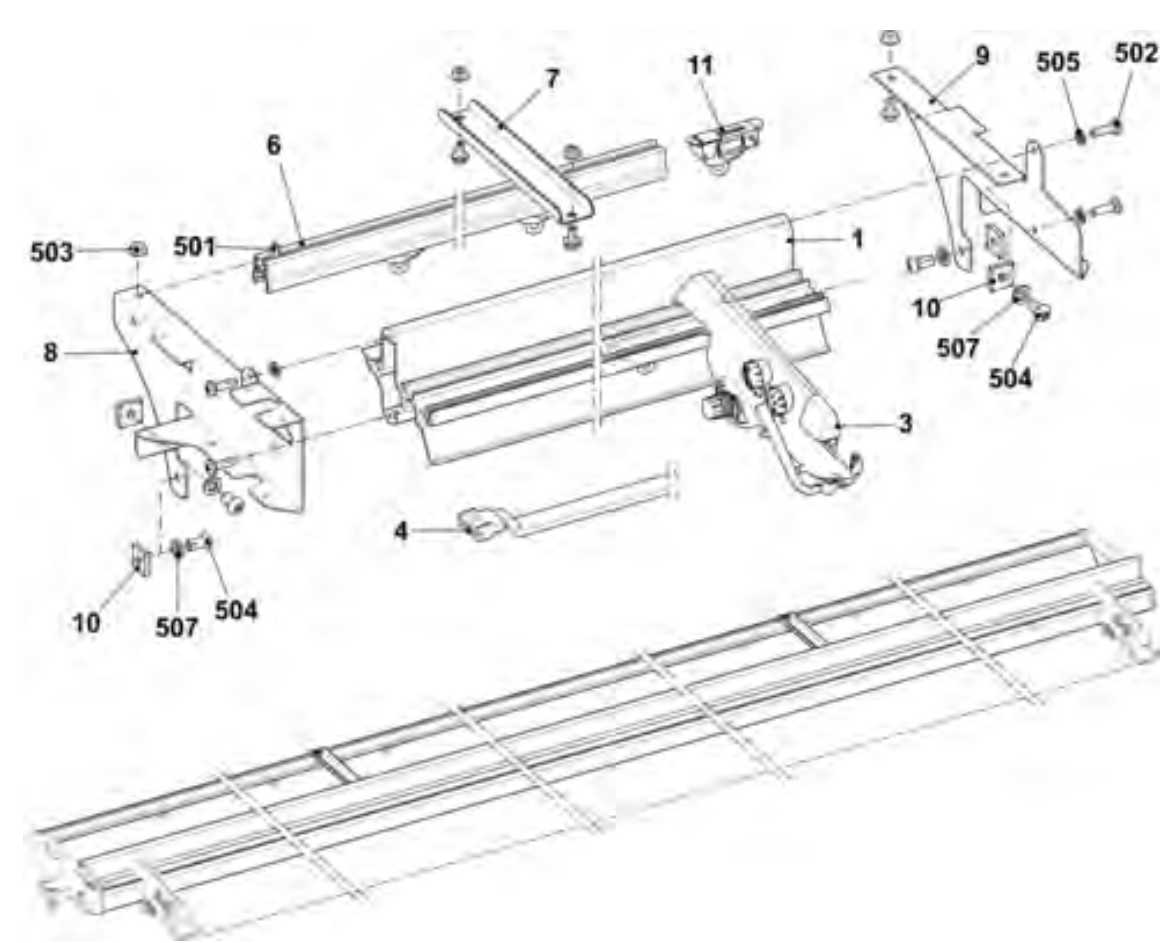
8 Yarn delivery device



8.1 Yarn guide system with 30 FKE

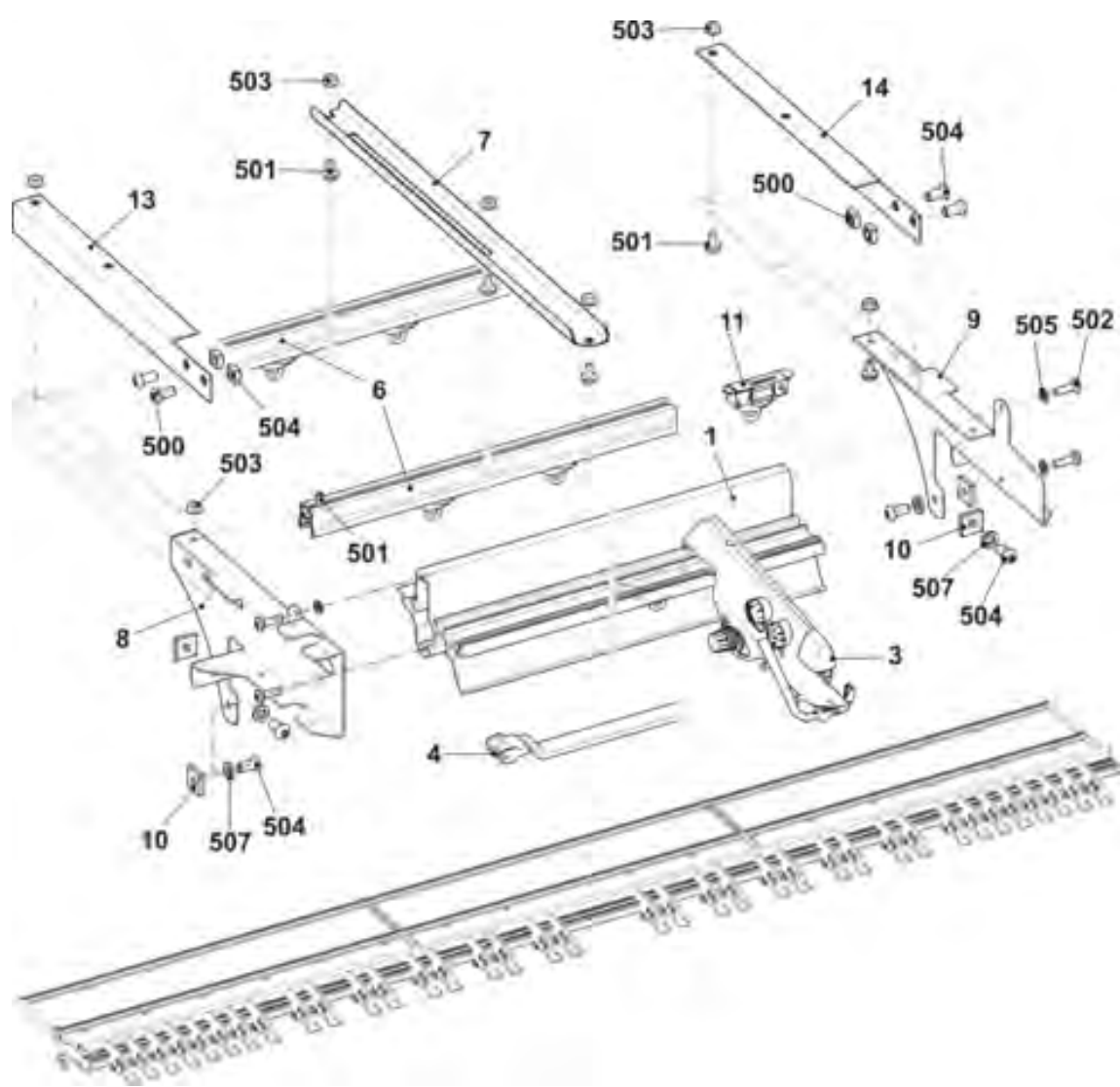
8.1 Yarn guide system with 30 FKE

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn guide system 30 FKE 933	242 723		10	Slot nut	228 851
1	Support	243 114		11	Yarn guide bracket complete	241 581
3	Yarn control device	237 124		501	Self-locking screw M6x12	023 415
4	Connection cable FKE 3 96"	240 350		502	Screw CE M6x16	023 678
6	Yarn guide bar	242 431		503	Serrated nut M6-10	023 414
7	Support	243 792		504	Pan-head screw M8x16	023 113
8	Support on the left	243 600		505	Washer6-200HV	022 431
9	Support on the right	243 601		507	Serrated lock washer J8,4	023 388



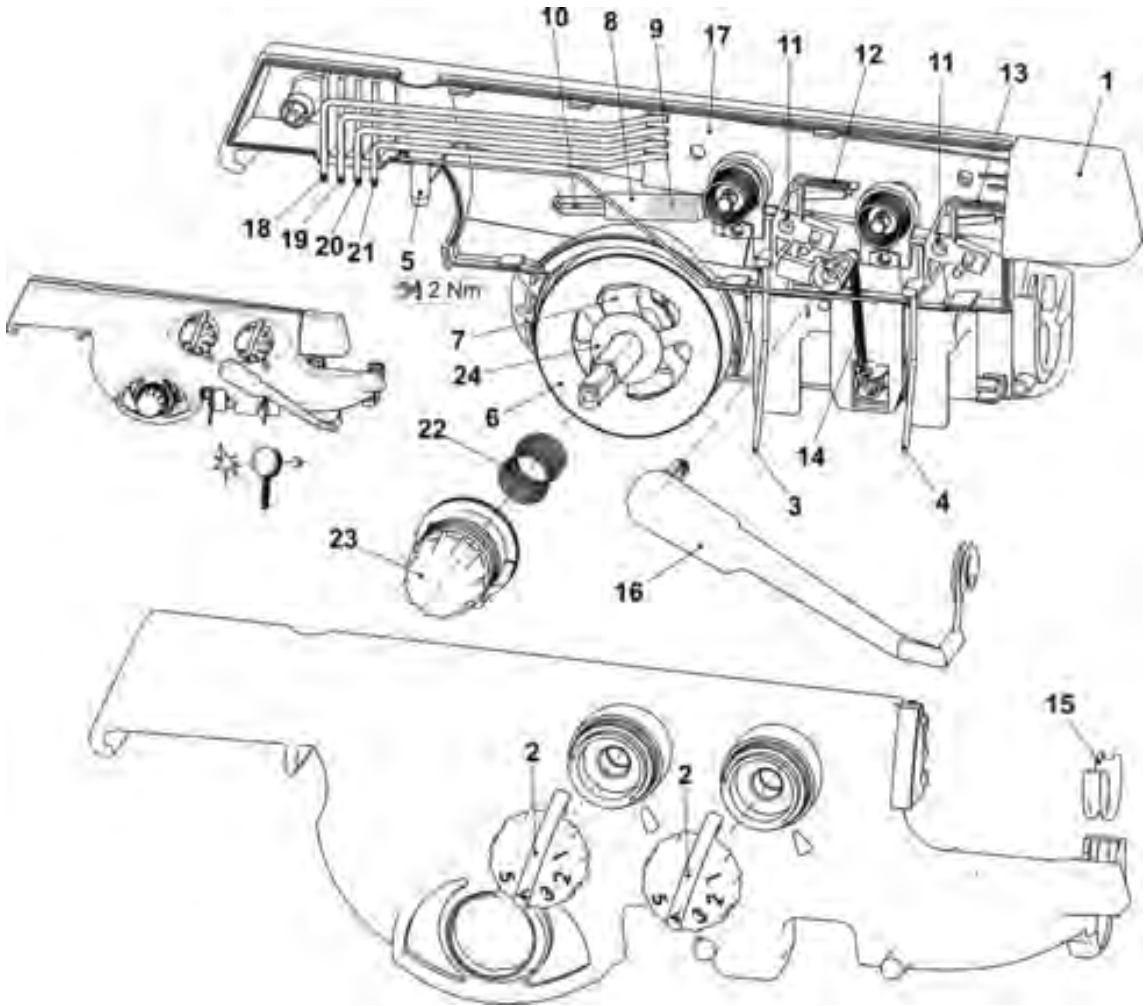
8.2 Yarn guide system with 36 FKE

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn guide system 36 FKE 933	242 447				
1	Support	243 114		13	Support on the left	243 609
3	Yarn control device	237 124		14	Support on the right	243 610
4	Connection cable FKE3 96"	240 350		500	Square nut M8	023 269
6	Yarn guide bar	242 431		501	Self-locking screw M6x12	023 415
7	Support	243 766		502	Screw CE M6x16	023 678
8	Support on the left	243 600		503	Serrated nut M6-10	023 414
9	Support on the right	243 601		504	Pan-head screw M8x16	023 113
10	Slot nut	228 851		505	Washer6-200HV	022 431
11	Yarn guide bracket complete	241 581		507	Serrated lock washer J8,4	023 388



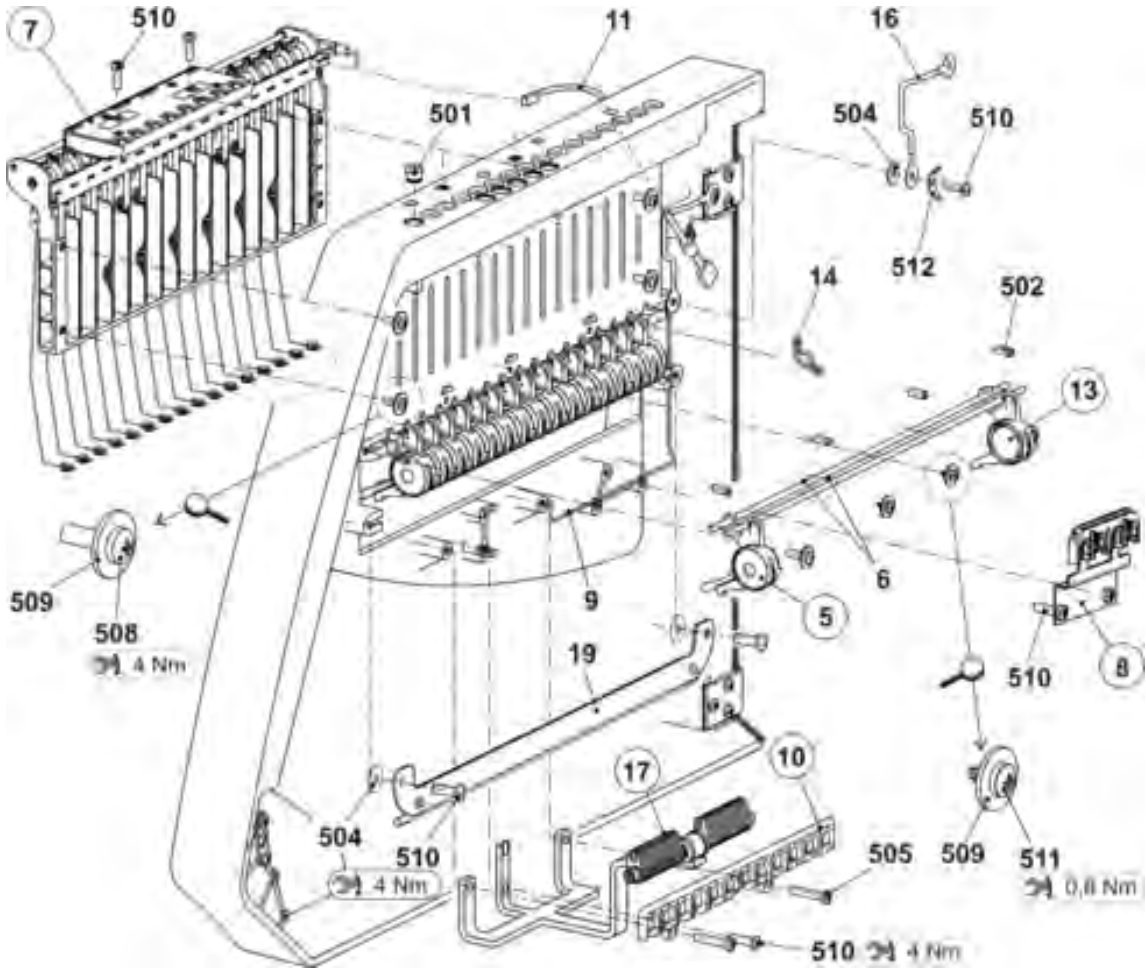
8.3 Yarn control device

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



8.4 Left yarn guide

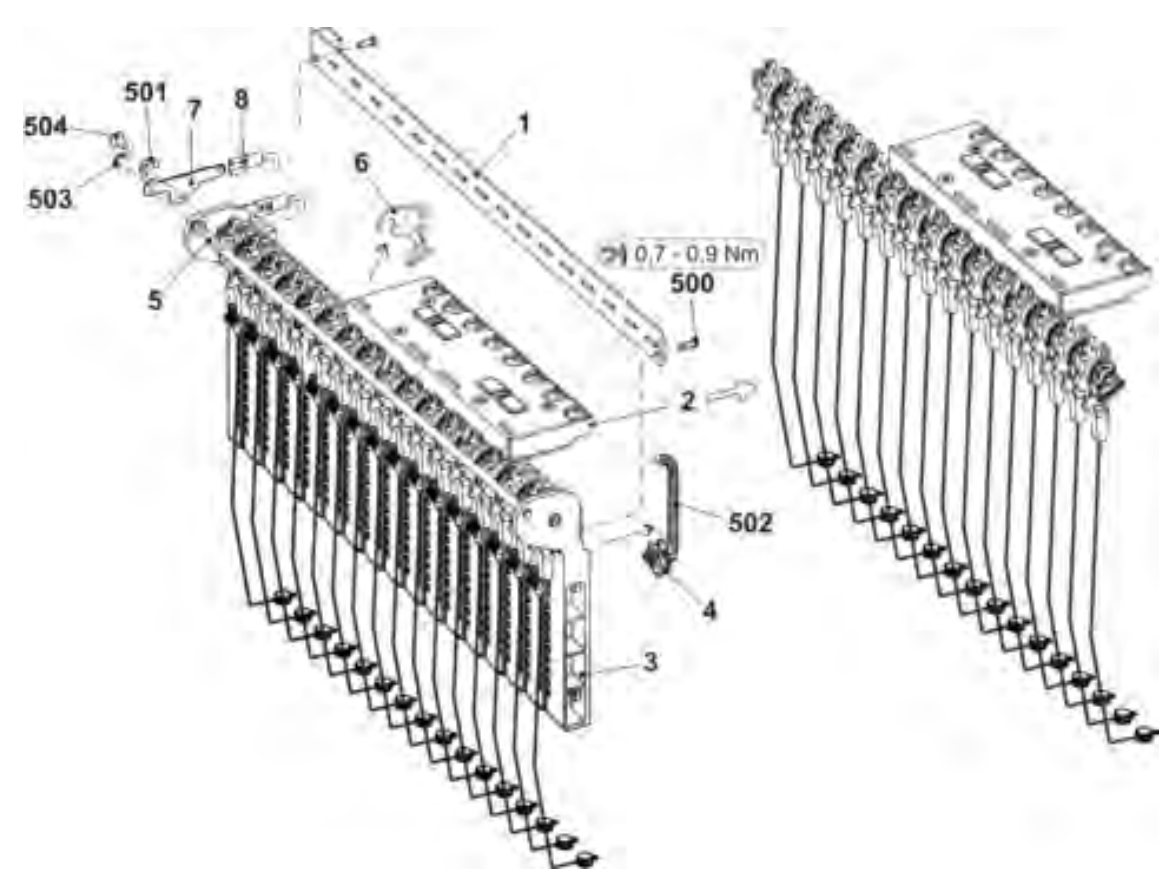
Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete				
	E5 E3,5.2 E5.2 E5m.4 E7m.5	242 387	16	Ground cable	244 404
	E7 E8 E7m.8 E8m.7	242 388	17	Yarn guide inside	250 412
5	Yarn brake complete	244 347	19	Stop bar on the left complete	258 454
6	Wave	241 318	501	Ceramic eyelet	240 640
7	Yarn tensioner on the left complete E5	242 994	502	Compression spring 0.90x5.40x13.60	241 360
	Yarn tensioner on the left complete E7-8	242 996	504	Washer	022 537
8	Deflector on the left complete	259 573	505	Screw KB 60x30	237 683
9	Wire bow on the left	241 370	508	Pan-head screw M5x16	023 187
10	Yarn deflector	242 011	509	Disc 503x18x1.5	020 909
11	Connection cable yarn tensioner	240 808	510	Screw KB60 x 20	237 682
13	Yarn brake not adjustable	244 356	511	Sheet metal screw ST4.2x9.5-F	242 374
14	Clamping bow	244 409	512	Flat connector 2x45° M6	243 117



8.4 Left yarn guide

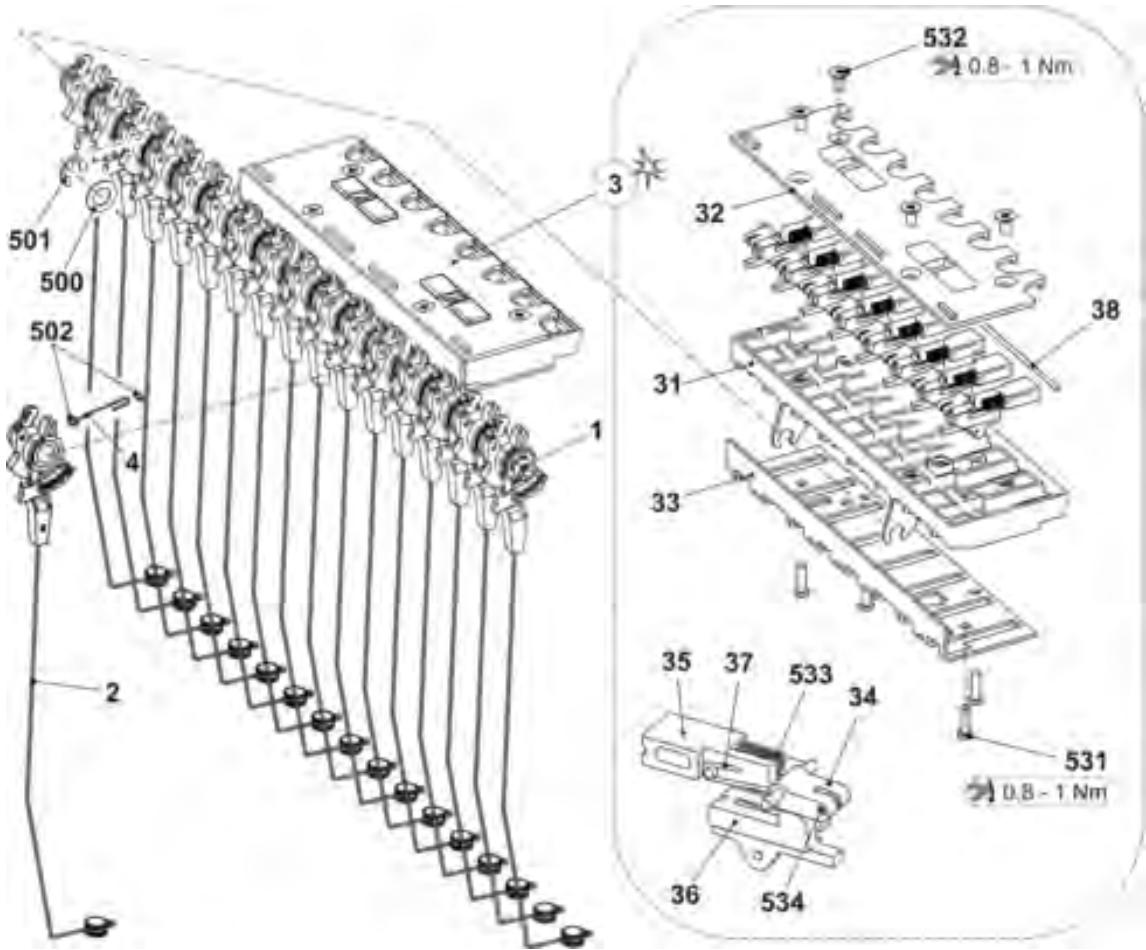
8.4.1 Left yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the left complete				
	E5 E5m.4 E7m.5 E3,5.2 E 5.2	242 994	7	Grounding plate of tension axle	243 121
	E7 E8 E7m.8 E8m.7	242 996	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 on the left complete E5 – 8	242 995	501	Circlip6	021 022
3	Housing	241 367	502	Tension spring 5,05x0,55x53 (E5)	023 502
4	Slider	241 694		Tension spring 4,9x0,5x53 (E7- 8)	023 503
5	Stop point	241 368	503	Circlip	021 020
6	Spacer	242 048	504	Countersunk screw M4x10	241 914



8.4.2 Left tension axle

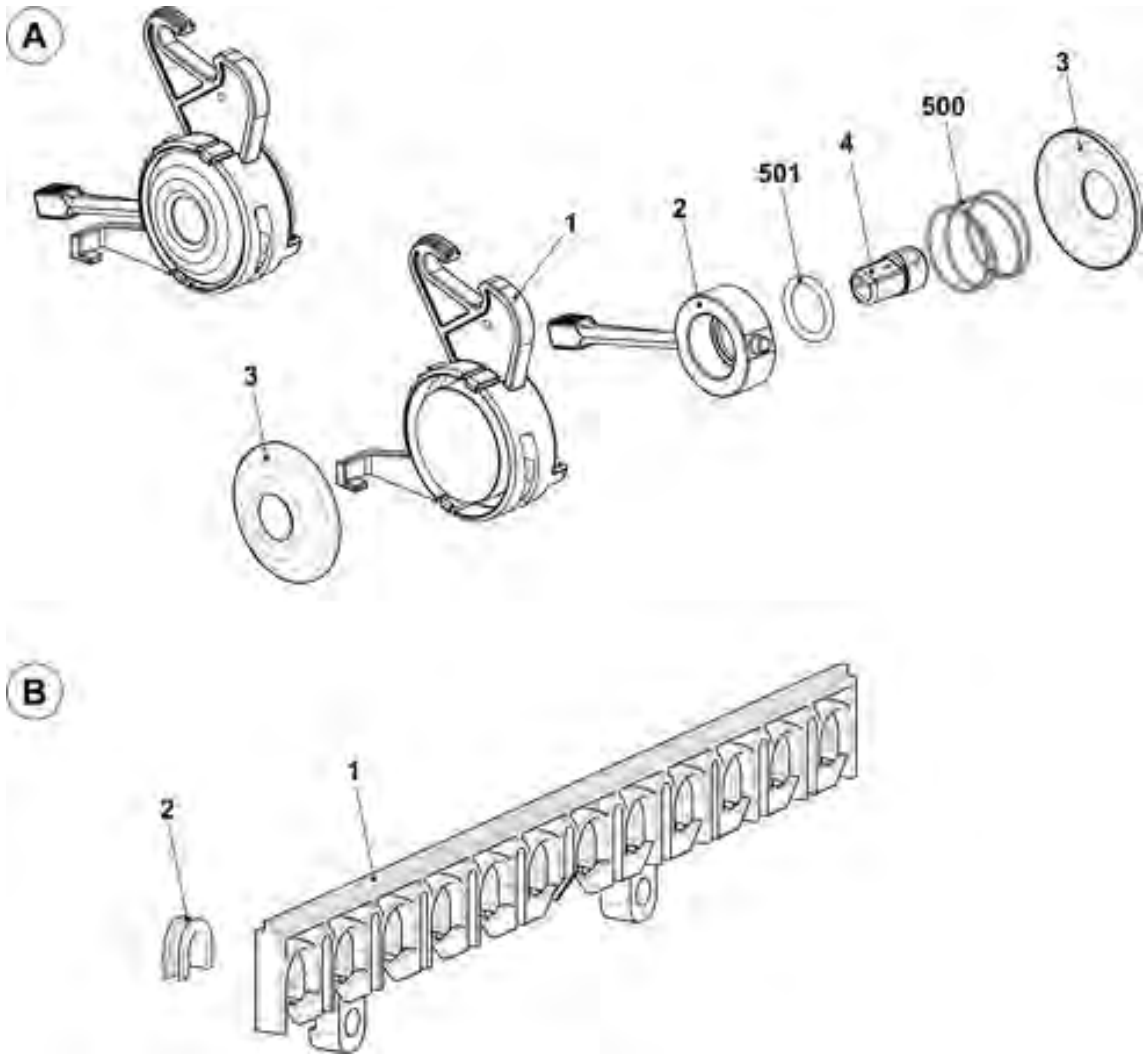
Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle on the left complete E5-8	242 995		33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107		34	Lever AKF	238 692
2	Tension arm pre-assembledE3-8	259 448		35	Pressure piece AKF	238 690
4	Wire bow	238 694		36	SliderAKF	238 691
500	Shim ring 8x14x0,5	023 501		37	Wire bow	238 694
501	Circlip	021 022		38	Wire	237 940
502	Grooved pin 2x6	243 172		531	Screw KB 35x12	237 681
3	Thread clamp AKF	238 695		532	Screw KB 40x8	236 227
31	HousingAKF	238 689		533	Compression spring0,30x4,50x18,50	241 437
32	Cover AKF	237 926		534	Grooved pin 2x6	243 172



8.4 Left yarn guide

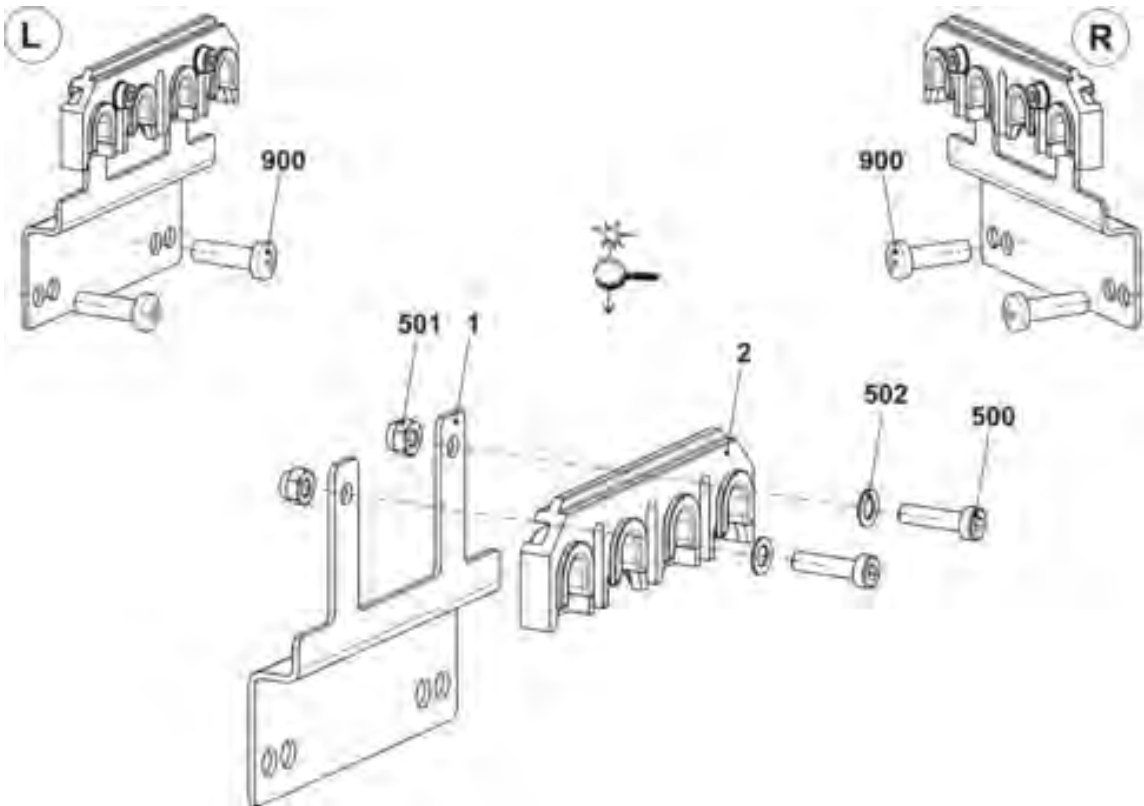
8.4.3 Yarn brake and yarn deflector

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



8.4.4 Deflector on the left and on the right

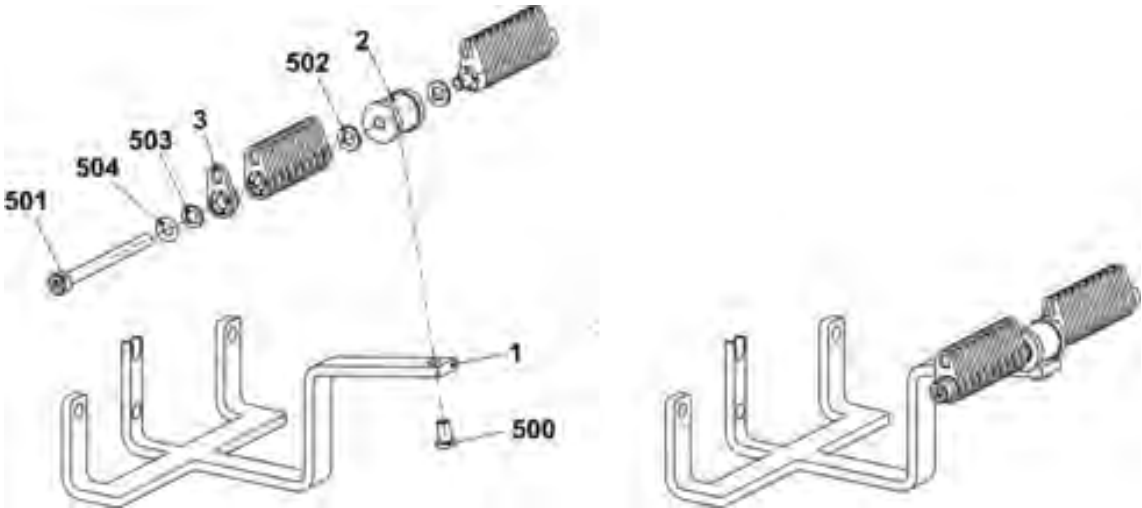
Pos	Designation	ID		Pos	Designation	ID
ΣL	Deflector on the left complete	259 573		ΣR	Deflector on the right complete	259 570
1	Support of yarn deflector	257 286		1	Support of yarn deflector	257 286
2	Yarn deflector on the left	259 572		2	Yarn deflector on the right	259 569
500	Cap screwM4x16	023 123		500	Cap screwM4x16	023 123
501	Hexagon nut M4-8	023 046		501	Hexagon nut M4-8	023 046
502	Washer4	020 879		502	Washer4	020 879
900	Screw KB60x20	237 682		900	Screw KB60x20	237 682



8.4 Left yarn guide

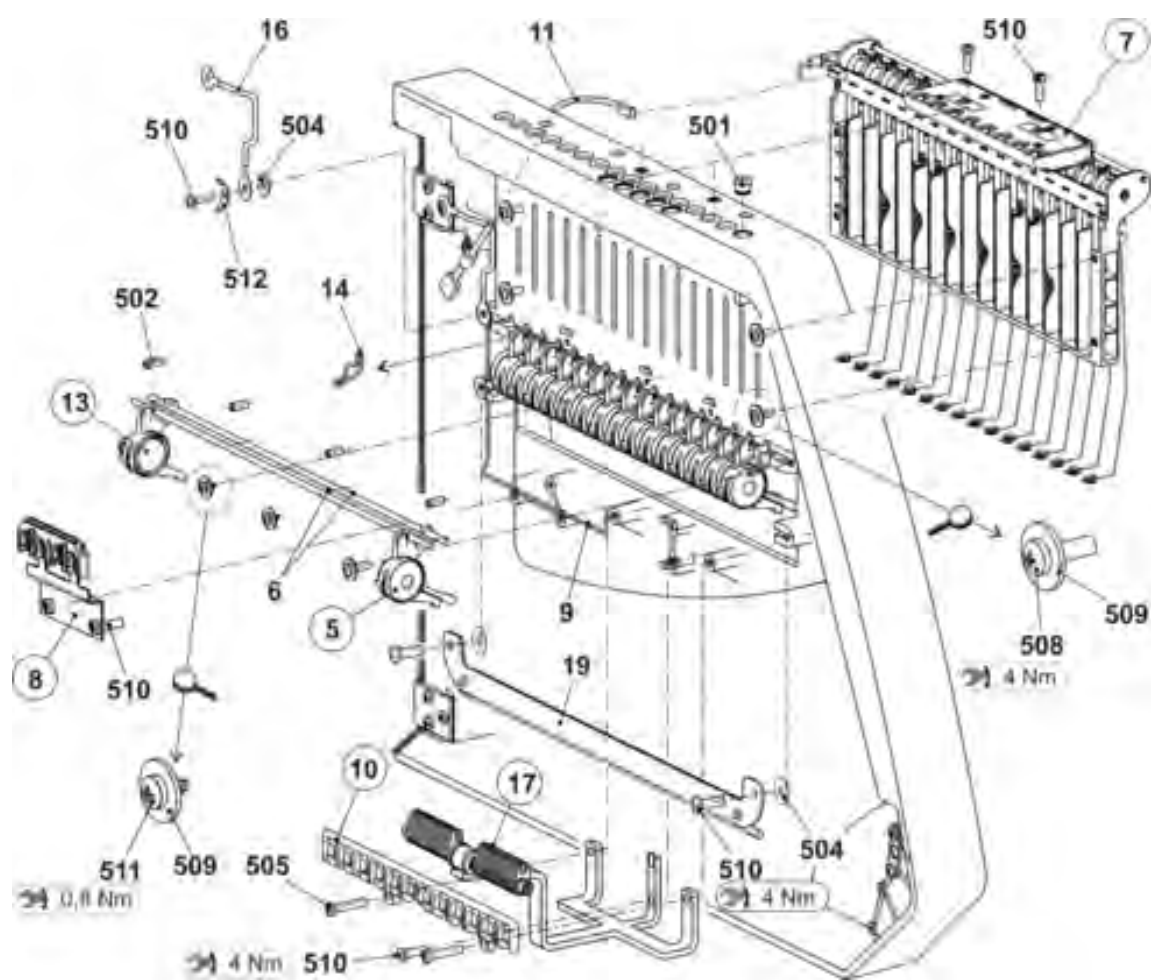
8.4.5 Yarn guide inside

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn guide inside	250 412				
1	Holding bow	250 413		501	Cap screw M6x75	022 956
2	Bolts	214 894		502	Washer6	022 853
3	Yarn Carriers MH 6	200 127		503	Washer6	020 881
500	Pan-head screw M6x10	023 183		504	O-ring 6x3	022 856



8.5 Right yarn guide

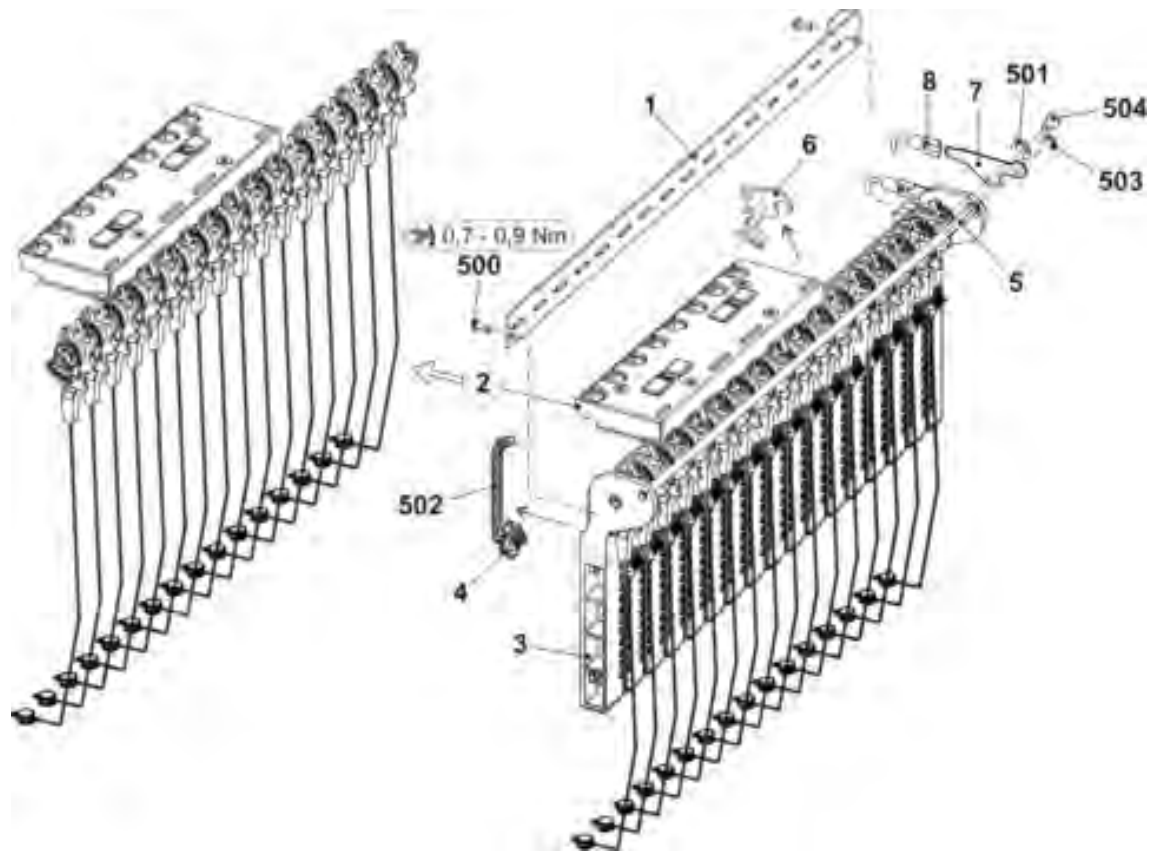
Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete				
	E5 E3,5.2 E5.2 E5m.4 E7m.5	242 390	16	Ground cable	244 404
	E7 E8 E7m.8 E8m.7	242 391	17	Yarn guide inside	250 412
5	Yarn brake complete	244 347	19	Stop bar on the right complete	258 562
6	Wave	241 318	501	Ceramic eyelet	240 640
7	Yarn tensioner on the right complete E5	242 999	502	Compression spring 0.90x5.40x13.60	241 360
	Yarn tensioner on the right complete E7-8	243 000	504	Washer	022 537
8	Deflector on the right complete	259 570	505	Screw KB 60x30	237 683
9	Wire bow on the right	241 369	508	Pan-head screw M5x16	023 187
10	Yarn deflector	242 011	509	Disc 503x18x1.5	020 909
11	Connection cable yarn tensioner	240 808	510	Screw KB60 x 20	237 682
13	Yarn brake not adjustable	244 356	511	Sheet metal screw ST4.2x9.5-F	242 374
14	Clamping bow	244 409	512	Flat connector 2x45° M6	243 117



8.5 Right yarn guide

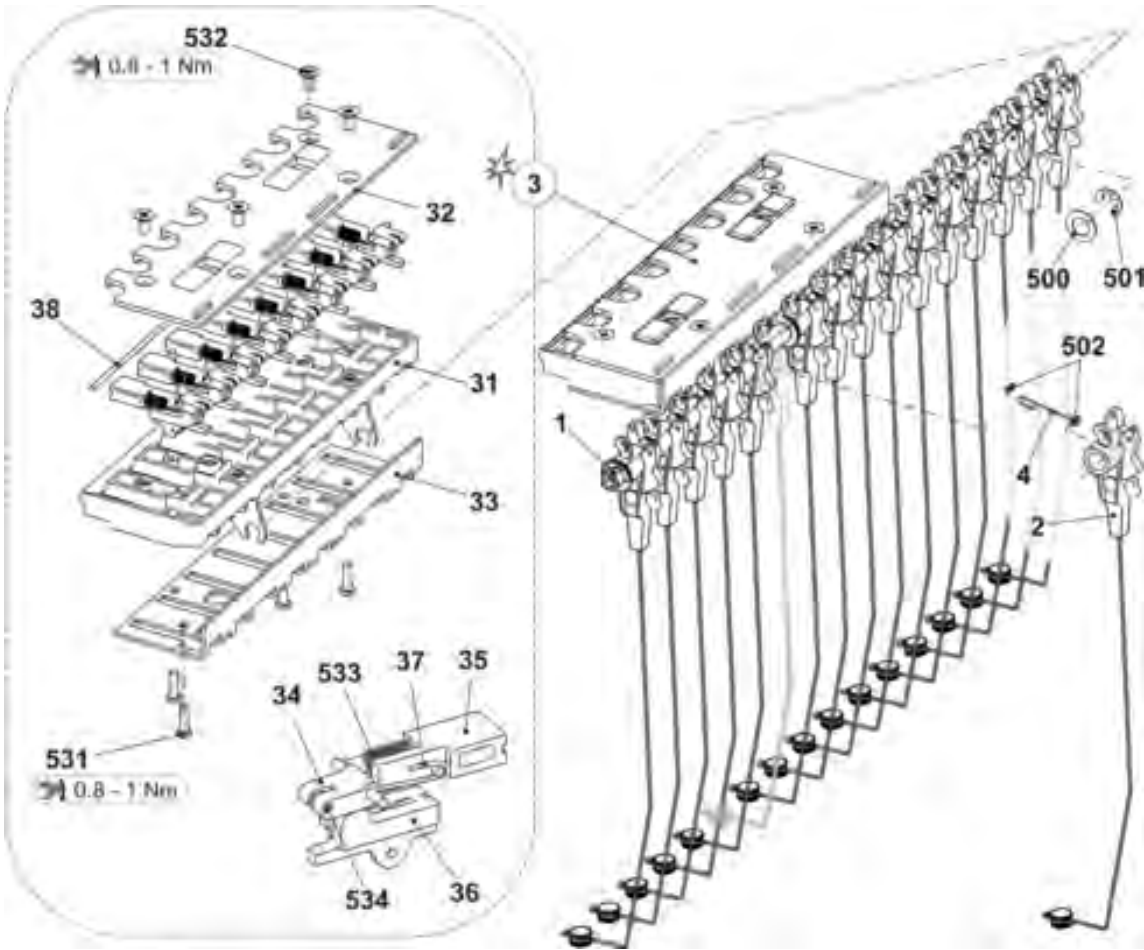
8.5.1 Right yarn tensioner

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the right complete E5	242 999		7	Grounding plate of tension axle	243 121
	Yarn tensioner on the right complete E7-8	243 000		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 on the right complete E5-8	243 351		501	Circlip 6	021 022
3	Housing	241 367		502	Tension spring 5.05x0.55x53 (E5)	023 502
4	Slider	241 694			Tension spring 4.9x0.5x53 (E7 - E8)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x10	241 914



8.5.2 Right tension axle

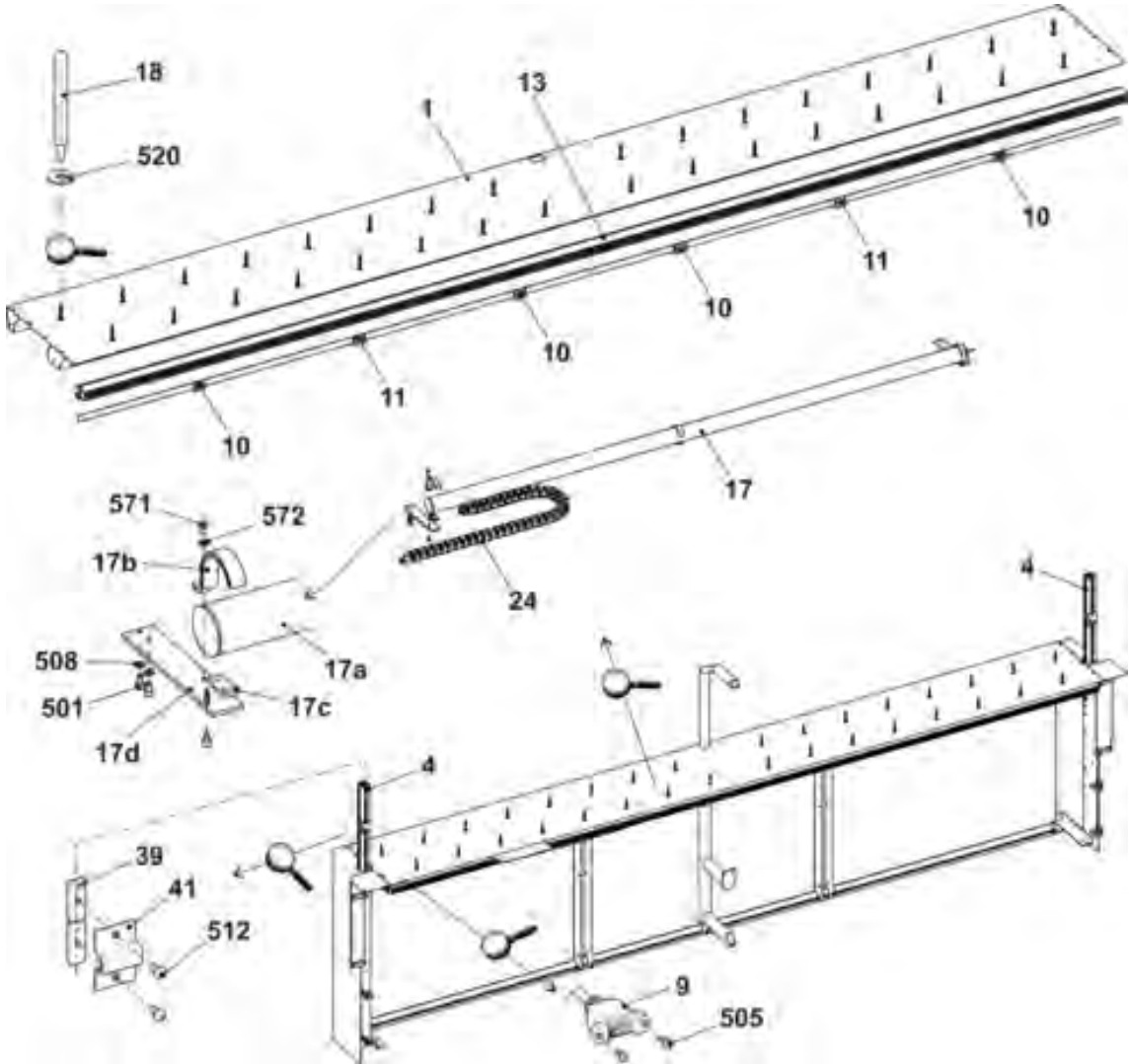
Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle on the right complete E5-8	243 351		33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107		34	Lever AKF	238 692
2	Tension arm pre-assembled E3-8	259 448		35	Thrust piece AKF	238 690
4	Wire bow	238 694		36	Slider AKF	238 691
500	Shim ring 4x8x0,5	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



8.6 Bobbin board

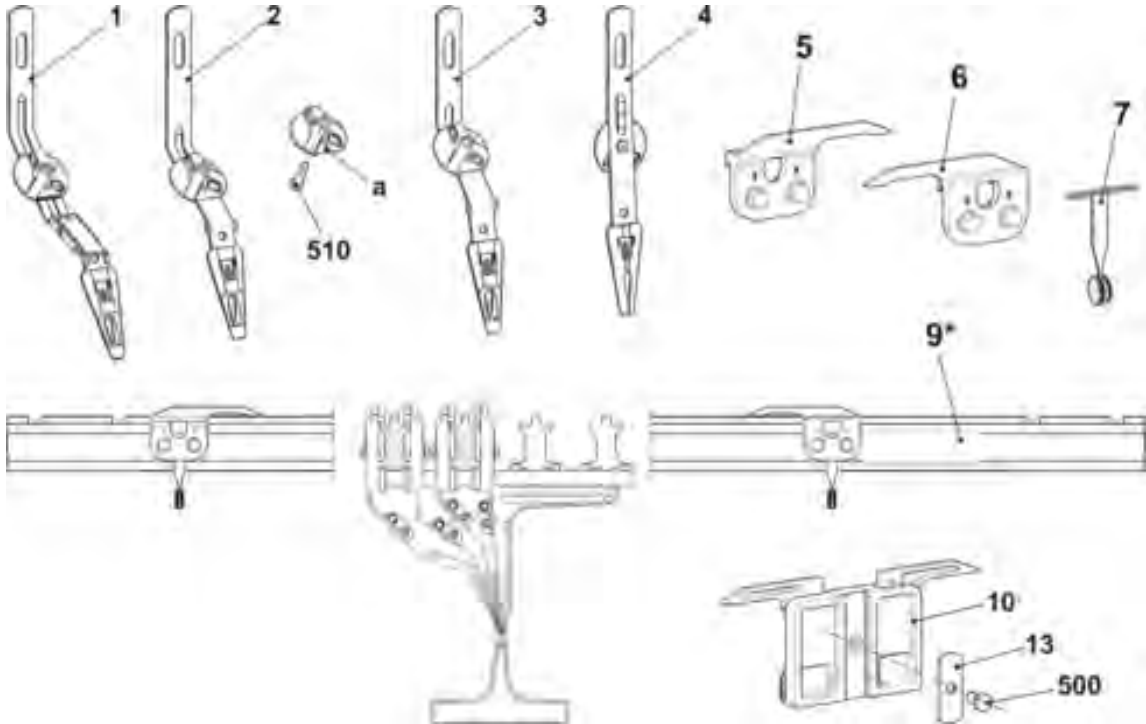
8.6 Bobbin board

Pos	Designation	ID	Pos	Designation	ID
Σ	Table complete933	242 441	17	Lamp at the top complete	220 137
1	Table	251 247	17a	Long light RR60V-230	212 580
4	Support element	228 594	17b	Clamping bow	209 504
9	Cable USB extension 96 okc	243 069	17c	Cellular caoutchouc 40x20	208 018
10	Magnet switch safety door	219 983	17d	Lamp support	220 138
11	Magnet switch safety door	220 159	571	Cap screw M6x10	022 773
13	Guide rail at the top complete	242 435	572	Serrated lock washer J6	022 385
18	Positioning pin	204 819	501	Cap screw M6x10	023 690
24	Energy chain display 38 links	253 888	505	Pan-head screw M3x8	023 251
39	Threaded strip short	200 223	508	Washer	023 598
41	Clamp	228 583	512	Pan-head screw M8x16	023 113
			520	Washer	020 901



8.7 Yarn carrier and guide rails

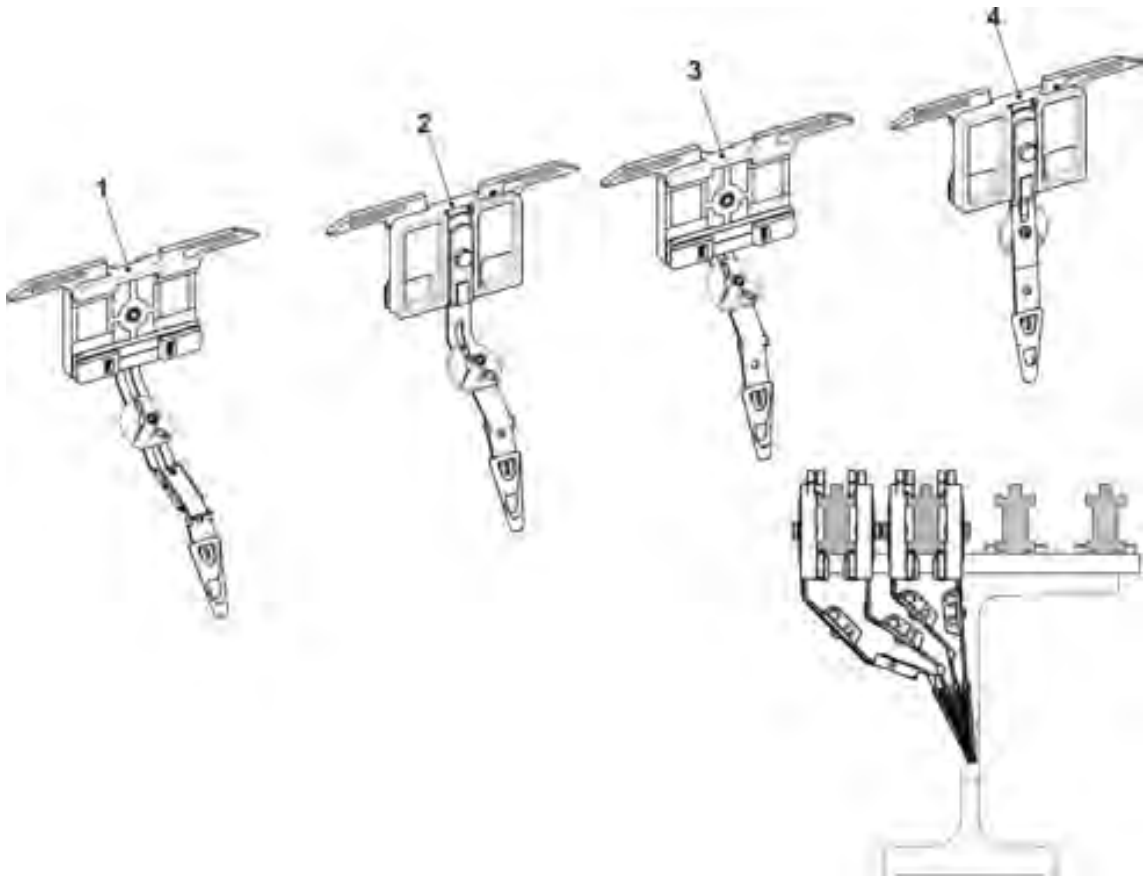
Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide complete E5	244 003	E5 E5m.4 E7m.5 E3,5.2 E5.2		
	Yarn guide complete E7-8	244 004	1	FF bow 1+8 complete E5	212 990
5	Limiter on the left complete	244 099	2	FF bow 2+7 complete E5	212 992
6	Limiter on the right complete	244 098	3	FF bow 3+6 complete E5	212 991
7	Slider with eyelet	230 709	4	FF bow 4+5 complete E5	212 993
9*	Yarn carrier rail	213 172	E7 E8 E7m8 E8m7		
10	FF carriage complete	243 062	1	FF bow 1+8 complete E7-8	212 892
13	Shim	213 035	2	FF bow 2+7 complete E7-8	212 914
500	Hexagon screw M5x10	020 351	3	FF bow 3+6 complete E7-8	212 925
			4	FF bow 4+5 complete E7-8	212 910
			a	Yarn guide star complete	209 257
			510	Pan-head screw M3x10	023 032



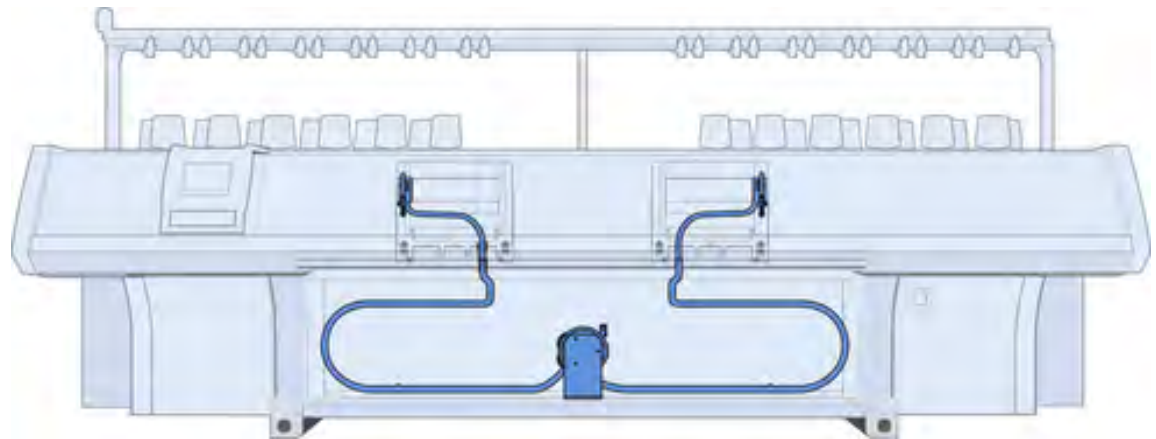
8.8 Complete yarn carriers

8.8 Complete yarn carriers

Pos	Designation	Track	ID	Pos	Designation	Track	ID
Yarn guide complete							
E5 E5m.4 E7m.5 E3,5.2 E5.2			244 003	E7 E8 E7m.8 E8m.7			244 004
1	FF carriage complete E5	1+8	243 935	1	FF carriage complete E7-8	1+8	243 939
2	FF carriage complete E5	2+7	243 934	2	FF carriage complete E7-8	2+7	243 938
3	FF carriage complete E5	3+6	243 933	3	FF carriage complete E7-8	3+6	243 937
4	FF carriage complete E5	4+5	243 932	4	FF carriage complete E7-8	4+5	243 936

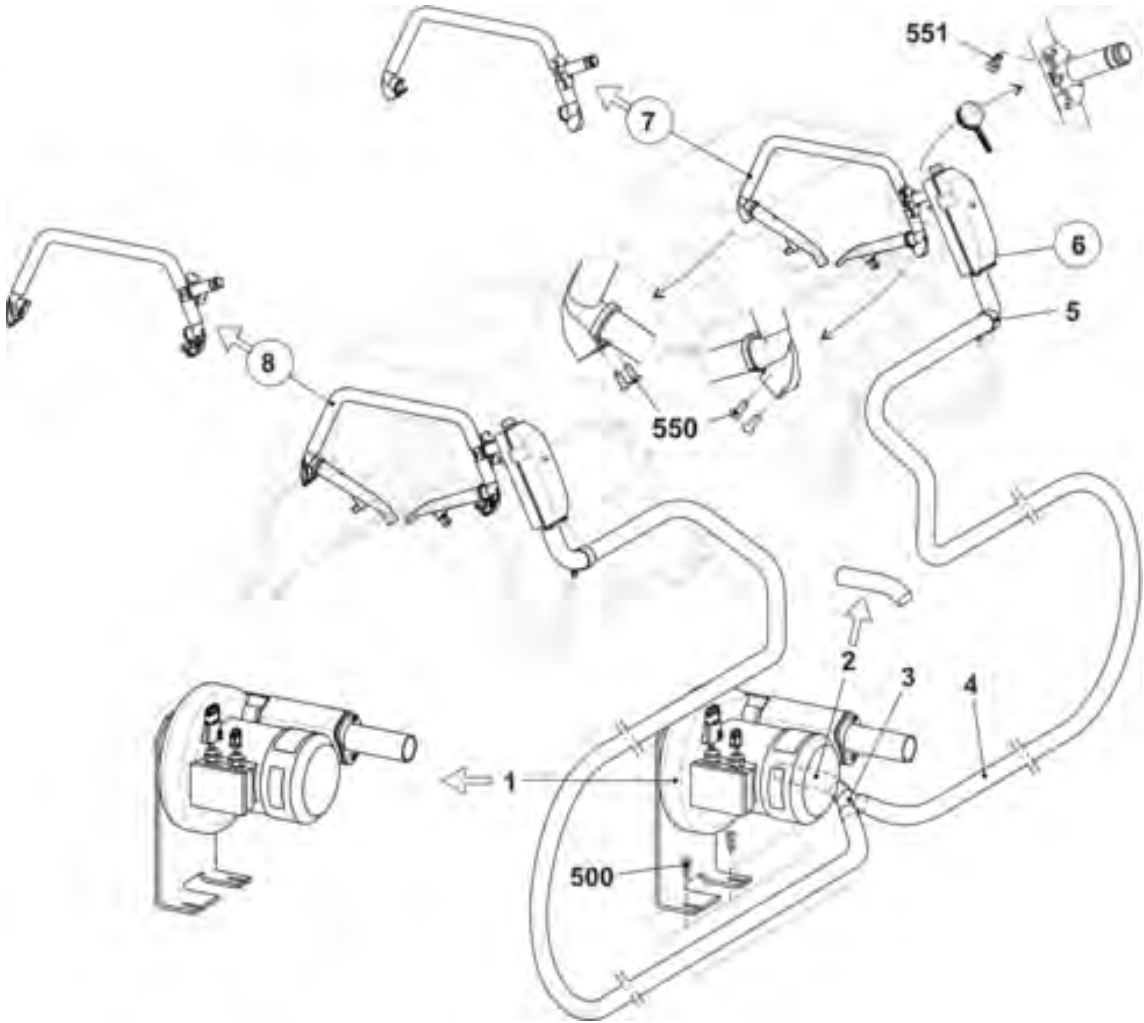


9 Fluff absorption



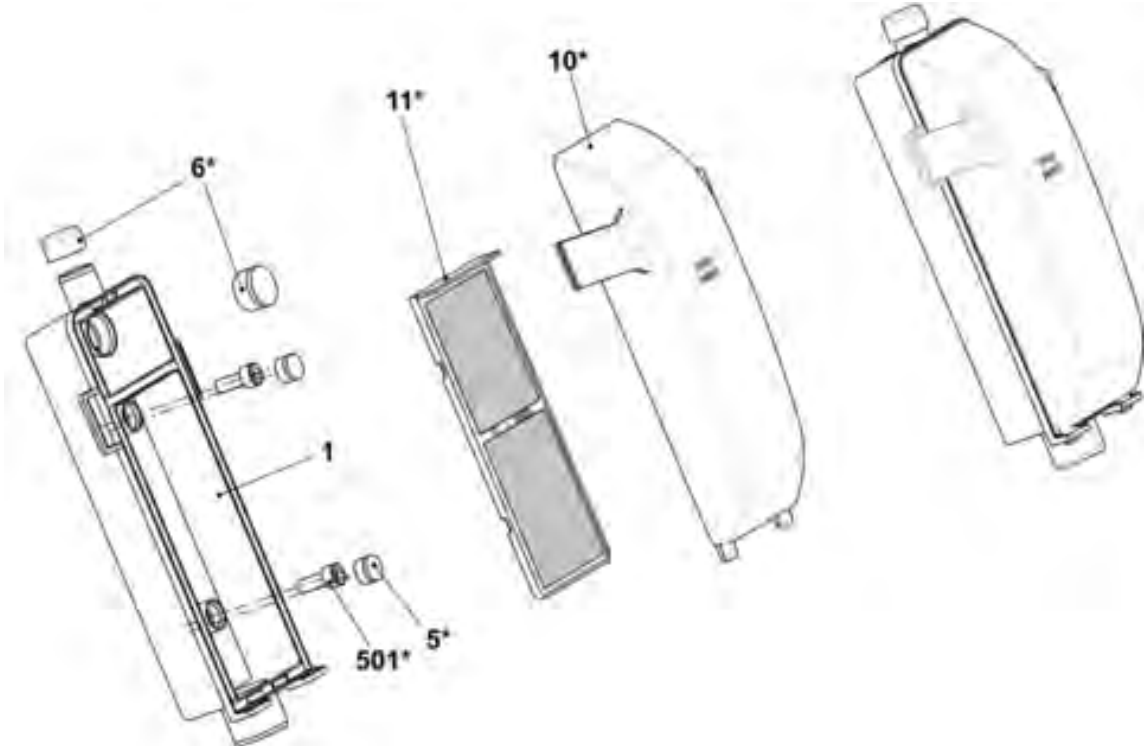
9.1 Fluff absorption

Pos	Designation	ID		Pos	Designation	ID
Σ	Fluff absorption			6	Lint container	245 024
1	Suction fan complete	251 333		7	Set of hose on the left complete 922/933	251 349
2	Suction hose 29x25x150	251 348		8	Set of hose on the right complete 922/933	251 350
3	Hose connector	245 011		500	Cap screw M8x16	023 629
4	Suction hose 29x25x3750	251 336		550	Countersunk head screw M4x8	251 011
5	Hose clip	214 653		551	Cap screw M4x8	022 501



9.1.1 Lint container

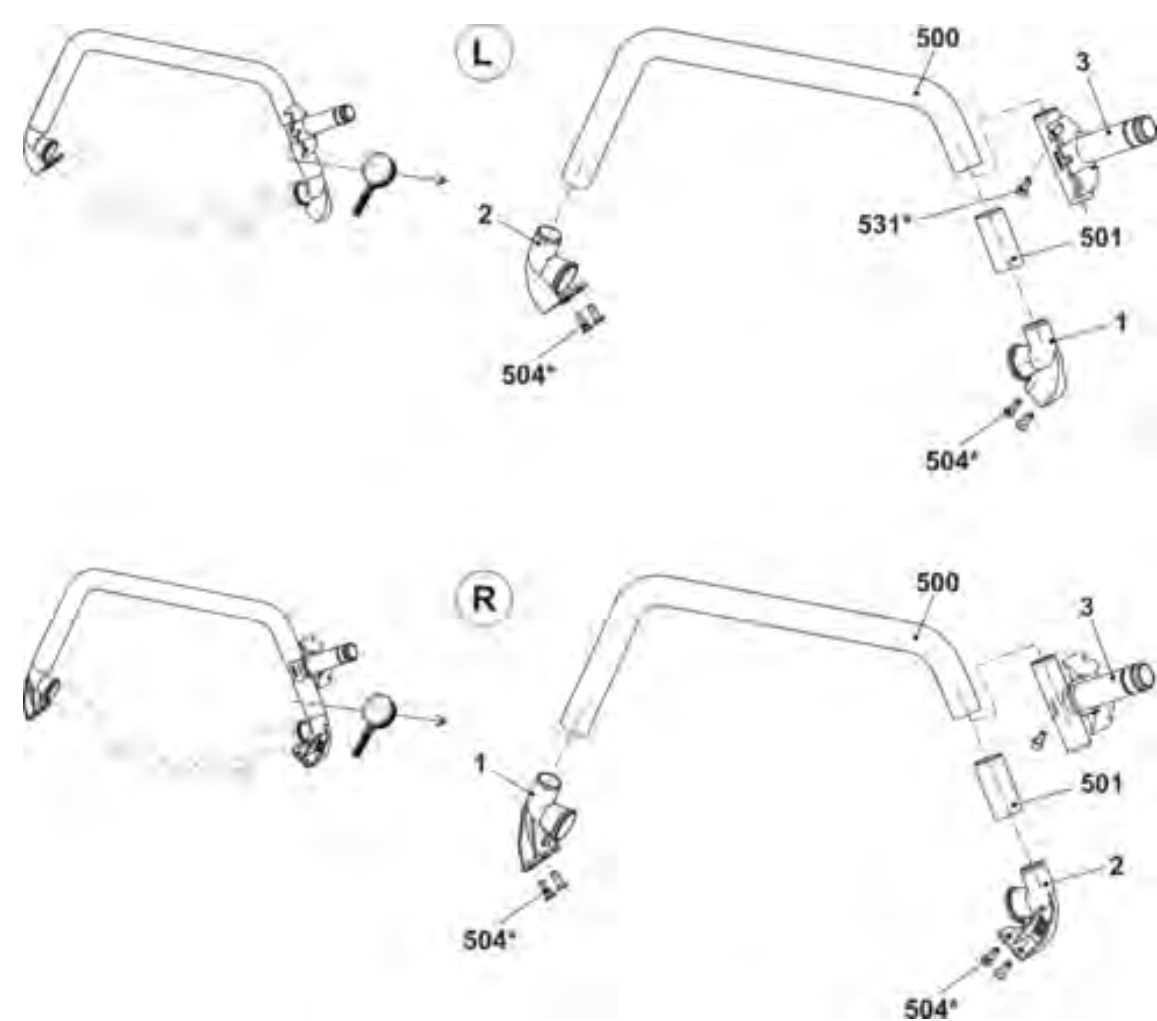
Pos	Designation	ID		Pos	Designation	ID
Σ	Lint container					
1	Lint container	245 024		10*	Cover lint container	245 027
5*	Sealing plug	245 028		11*	Filter	245 025
6*	Sealing plug	245 029		501*	Cap screw M6x10	023 690



9.1 Fluff absorption

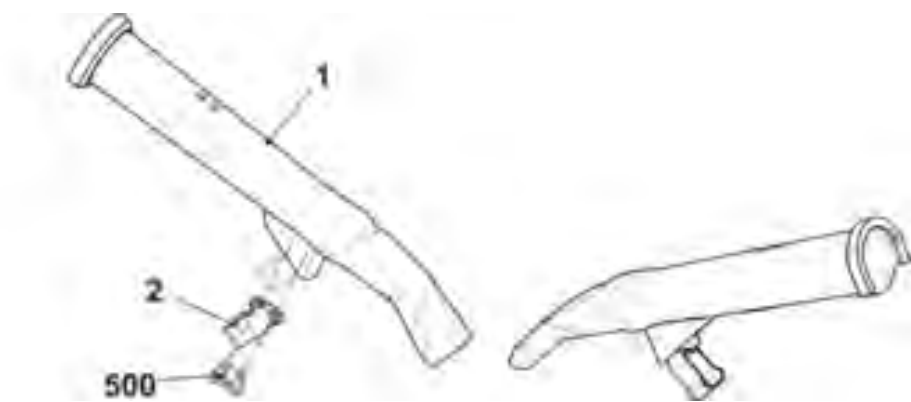
9.1.2 Set of hose on the left and right

Pos	Designation	ID		Pos	Designation	ID
L	Set of hose on the left complete 922/933	251 349				
R	Set of hose on the right complete 922/933	251 350		500	Suction hose 20x16x400	244 983
1	Angle connection on the right	250 121		501	Suction hose 20x16x40	251 043
2	Angle connection on the left	251 101		504*	Countersunk head screw M4x8	251 011
3	T-piece FLENT	245 021		531*	Cap screw M4x8	022 501



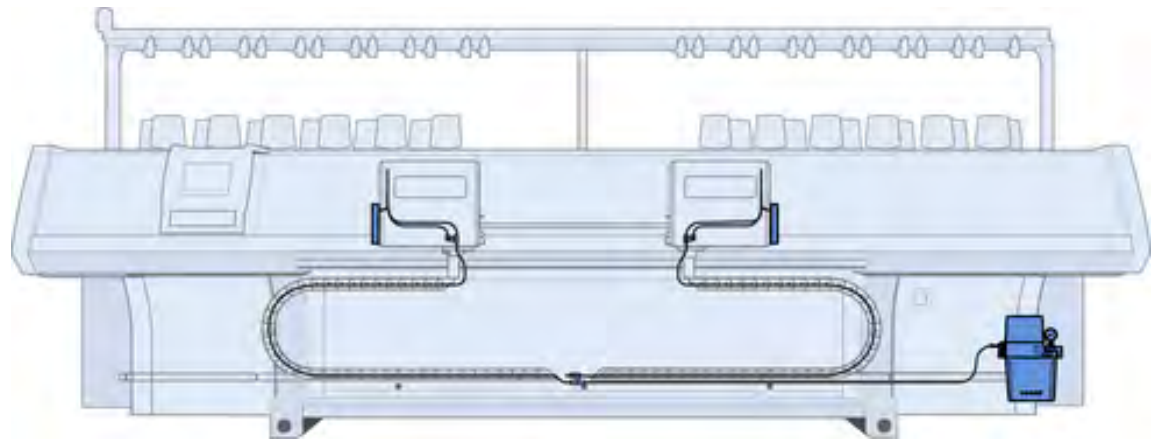
9.1.3 Suction tube

Pos	Designation	ID		Pos	Designation	ID
Σ	Suction tube complete E4-14	251 310		2	Bracket	255 627
1	Suction tube	255 386		500	Screw KB30x6	241 424



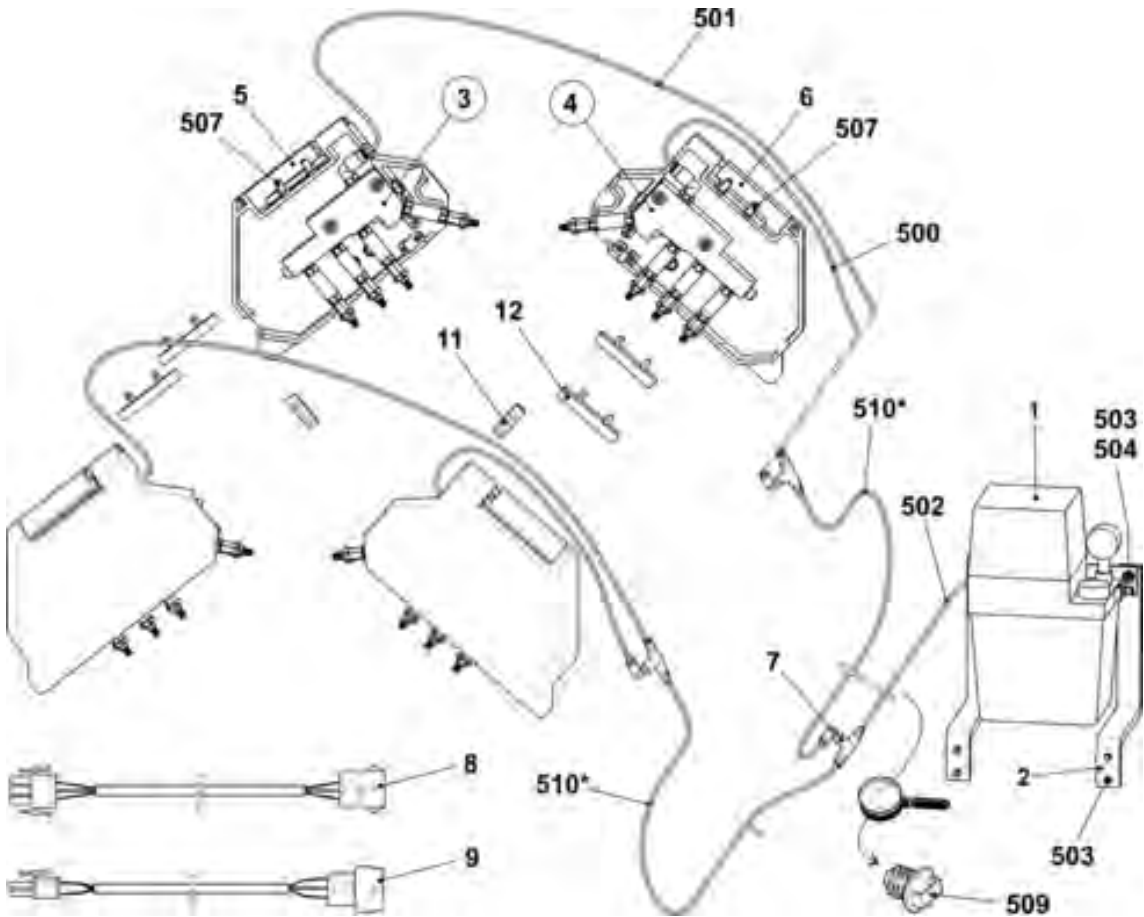
Notes:

10 Central lubrication



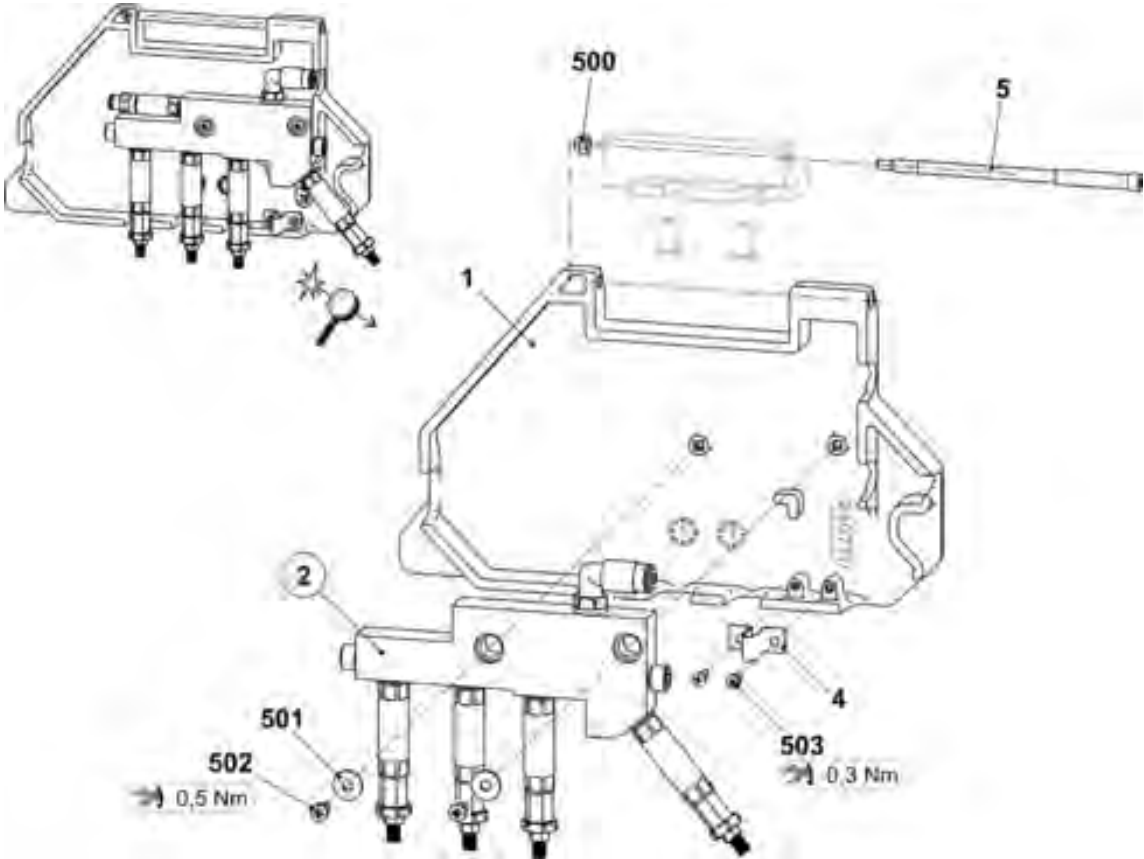
10.1 Central lubrication

Pos	Designation	ID		Pos	Designation	ID
Σ	Central lubrication	242 949		11	Sealing plug	240 777
1	Oil central lubricating pump Vogel	235 068		12	Border	240 778
2	Support for oil equipment	241 636		500	TubularD6, L = 500	235 037
3	Lubrication unit at the front complete	241 047		501	TubularD6, L = 1000	235 038
4	Lubrication unit at the rear complete	241 048		502	TubularD6, L = 2500	236 545
5	Joint at the front	240 791		503	Cap screw M8x16	023 629
6	Joint at the rear	240 792		504	Washer8	020 883
7	T-piece complete	235 039		507	Pan-head screw M6x12	235 935
8	Cable supply50"/96" OKC	244 406		509	Assembling element	209 543
9	Cable control ZS OKC	238 704		510*	TubularD6, L = 3300	235 044



10.1.1 Lubrication unit at the front complete

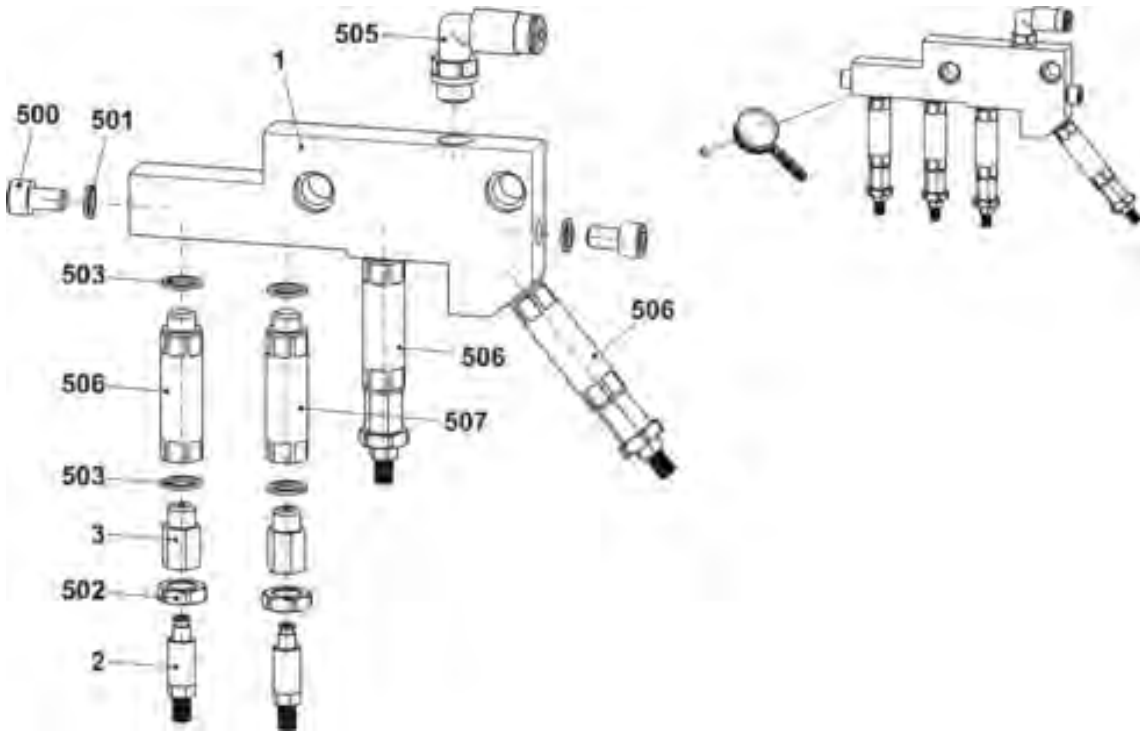
Pos	Designation	Id		Pos	Designation	Id
Σ	Lubrication unit at the front complete	241 047				
1	Housing at the front	240 771		500	Hexagon nut M4	023 046
2	Distributor complete	241 046		501	Washer4	023 047
4	Locking bar	235 054		502	Screw KB 40x8	238 089
5	Shoulder screw	240 790		503	Screw KB 30x8	236 228



10.1 Central lubrication

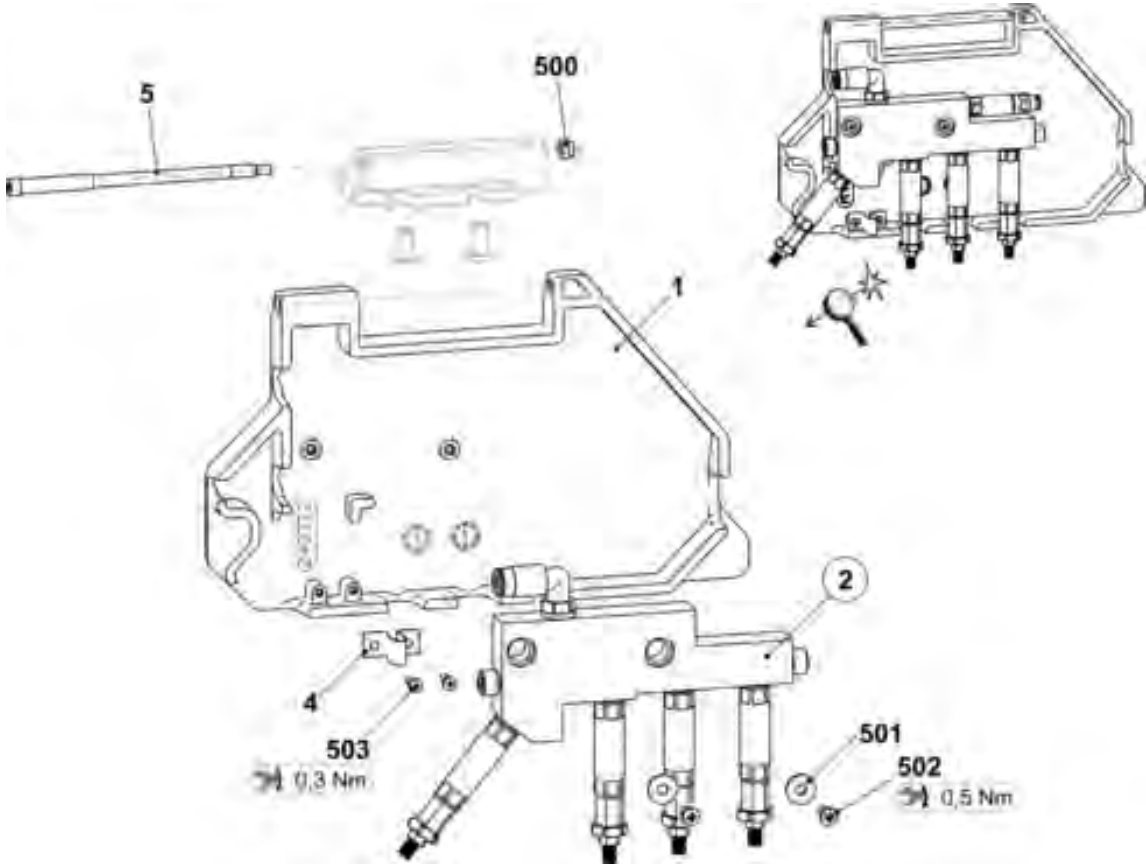
10.1.1.1 Distributor complete

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



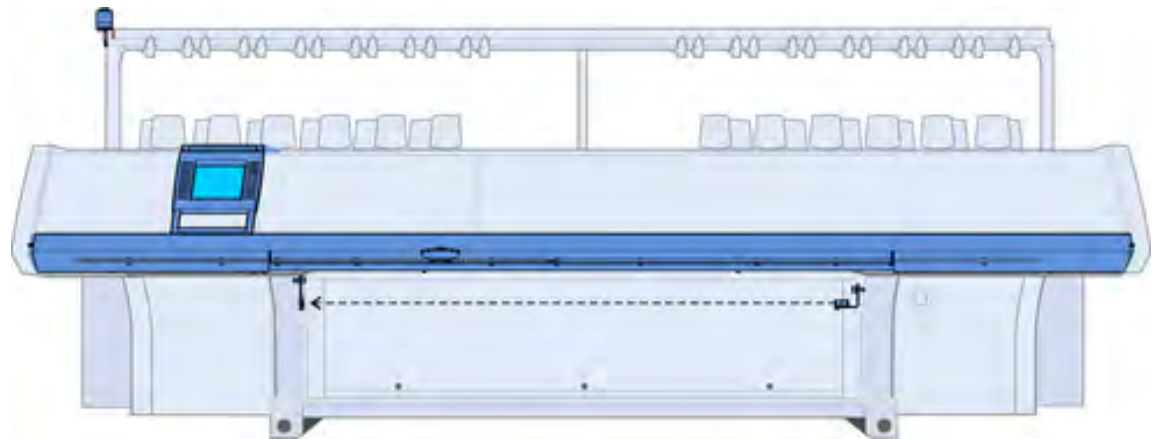
10.1.2 Lubrication unit at the rear complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Lubrication 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	Washer4	023 047
4	Locking bar	235 054		502	Screw KB 40x8	238 089
5	Shoulder screw	240 790		503	Screw KB 30x8	236 228



Notes:

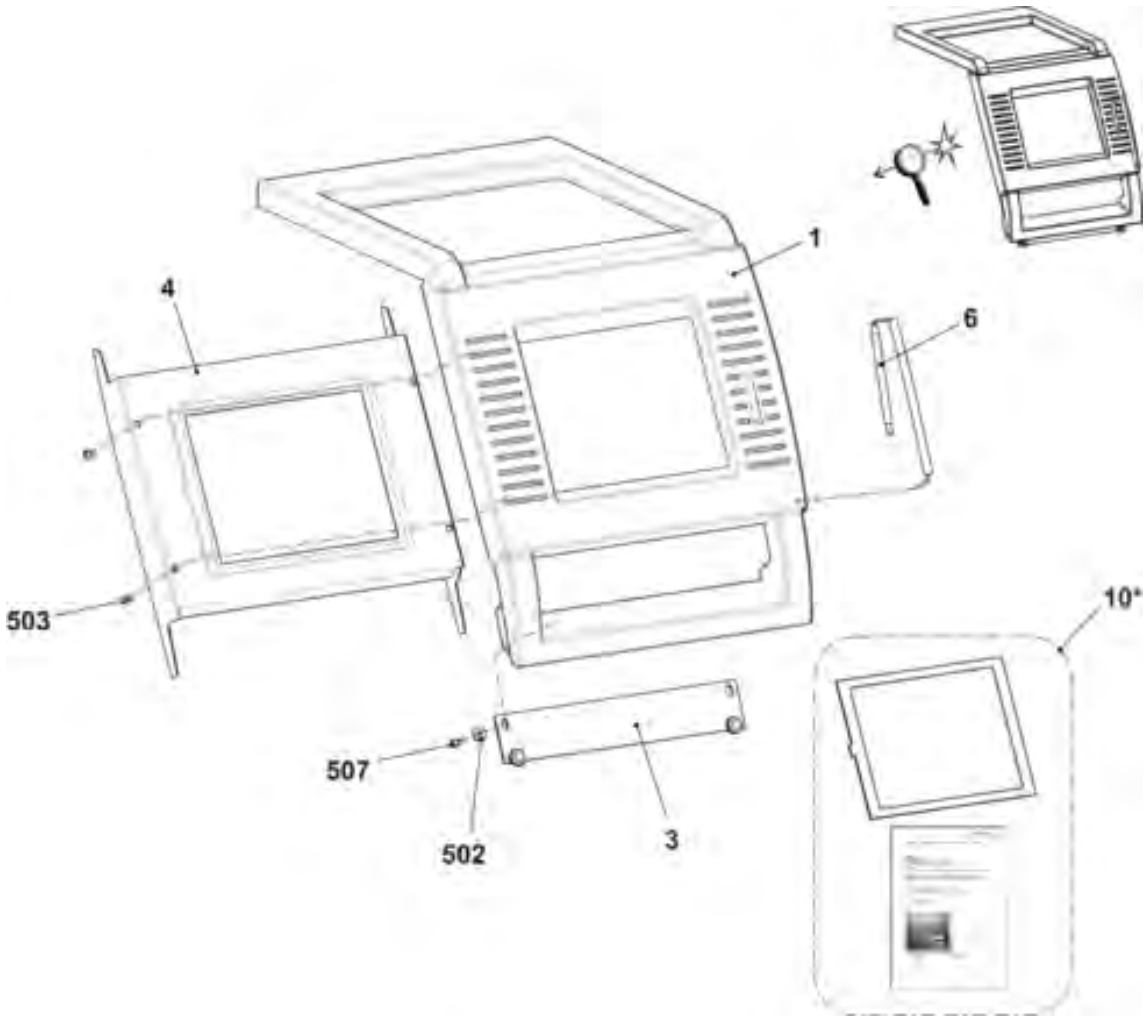
11 Operation and control



11.1 Input unit

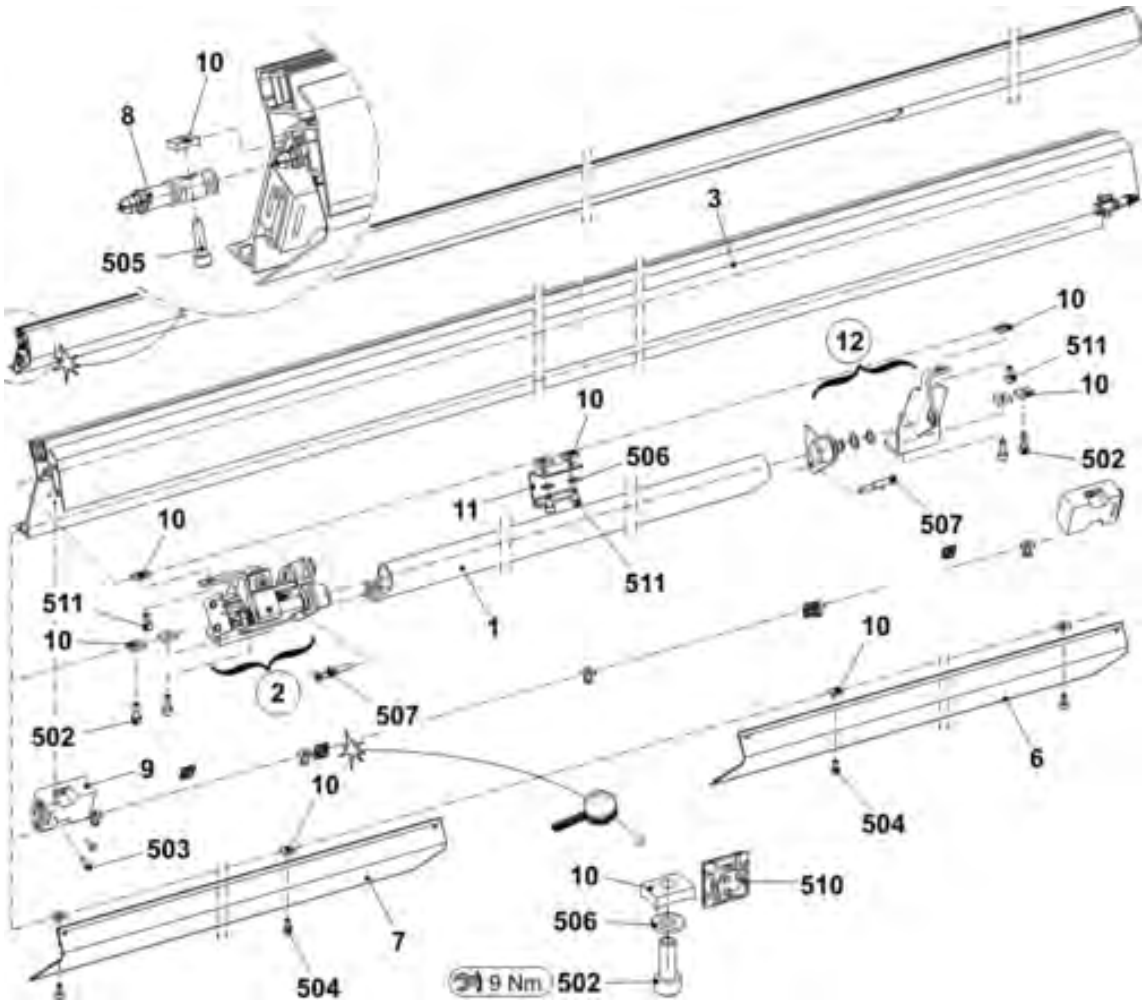
11.1 Input unit

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



11.2 Starting device

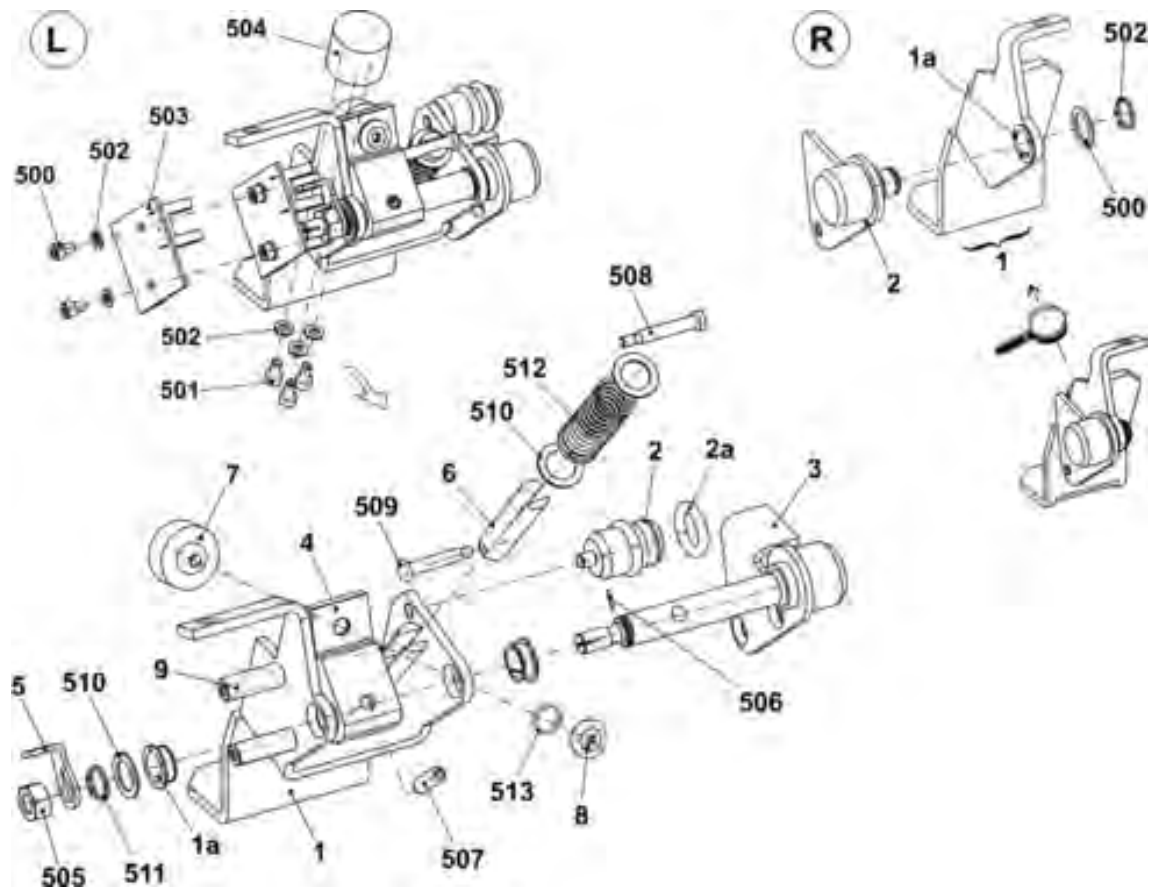
Pos	Designation	ID	Pos	Designation	ID
Σ	Starting device complete	241 229			
1	Engaging rod	241 224	12	Bearing on the right complete	252 964
2	Bearing on the left complete	250 071	502	Cap screw M6x16	020 135
3	Guide rail at the bottom complete	257 320	503	Pan-head screw M5x14	023 588
6	Cover plate on the right	251 218	504	Cap screw M6x12	020 134
7	Cover plate on the left	251 219	505	Cap screw M6x20	020 136
8	Locating bolt	219 107	506	Washer6	020 872
9	Switch with cable to safety doors	223 350	507	Screw M6x25	023 510
10	Sliding nut (slot nut)	225 099	510	Adhesive base	243 055
11	Stabilizer	244 634	511	Cap screw M6x10	023 690



11.2 Starting device

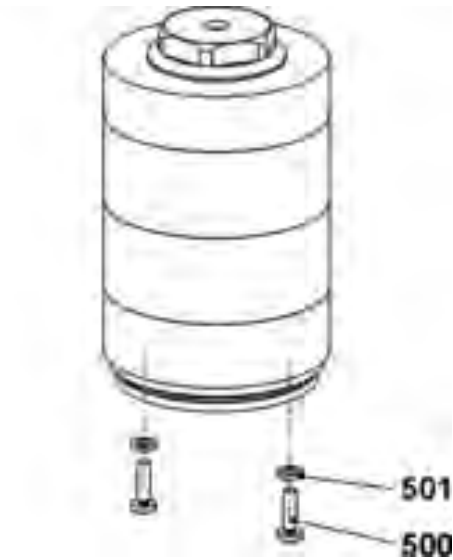
11.2.1 Bearing of the engaging rod

Pos	Designation	Id	Pos	Designation	Id
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M8-6	020 838
1a	Clip bearing MCM 12-04	023 639	506	Dowel pin 1,5x8	236 923
2	Support of buffer	220 561	507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237	508	Shoulder screw M4x24,8x7,7	240 299
3	Shaft on the left	245 219	509	Shoulder screw	251 316
4	Rotor	253 776	510	Shim ring 12x18x1	023 315
5	Switch flag	245 220	511	Locking ring12x1	020 951
6	Spring mandrel	251 340	512	Compression spring 1,25x15x98,2	023 609
7	Disk	245 222	513	Compression spring 0,5x11x12	251 369
8	Shoulder screw	254 528			
9	Distance bolt	240 287	R	Bearing on the right complete	252 964
500	Cap screw M4x6	023 067	1	Bearing on the right	240 230
501	Cap screwM4x8	022 501	1a	Clip bearing MCM 12-04	023 639
502	Shim ring 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	259 000	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Locking ring12x1	020 951



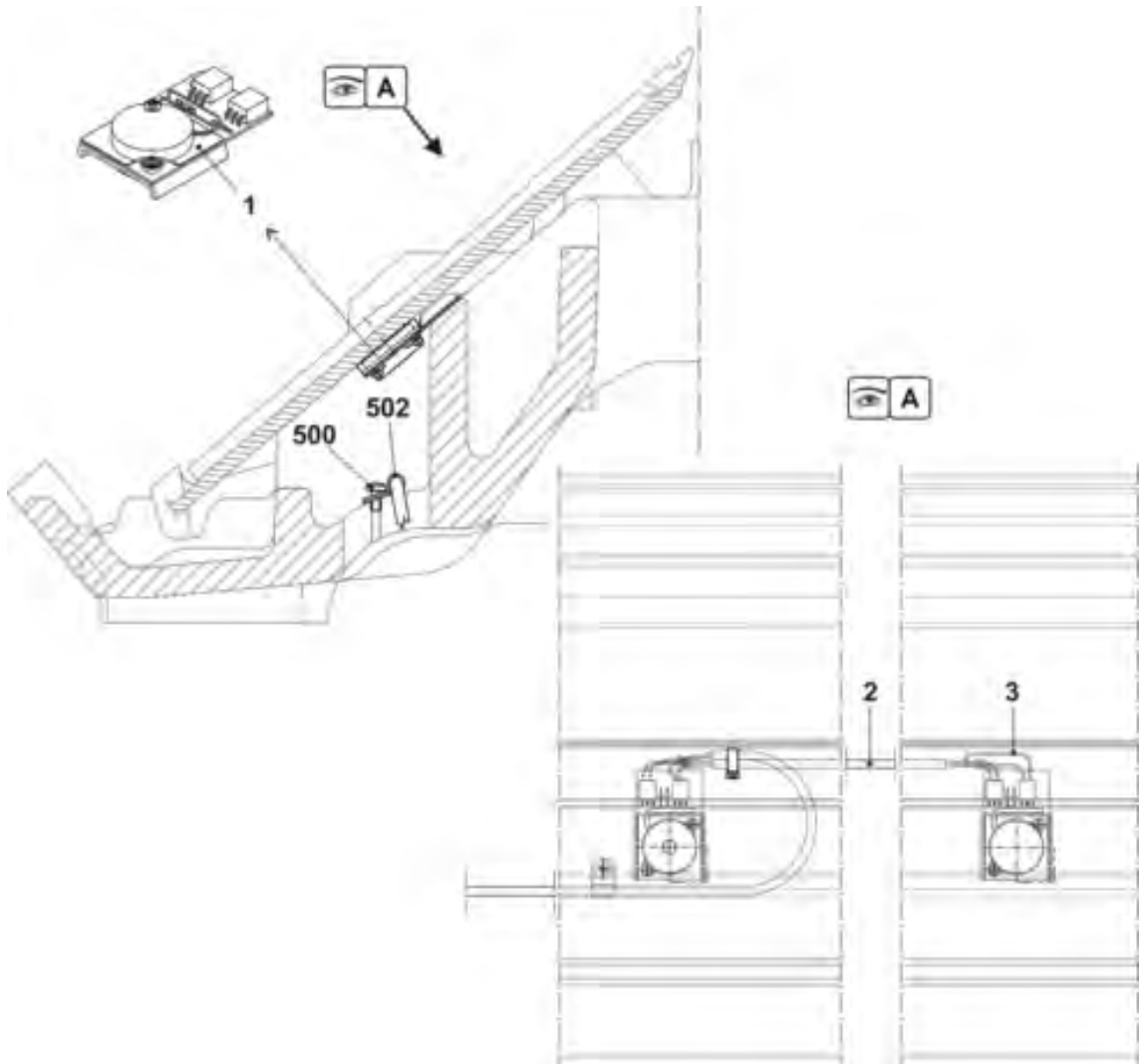
11.3 Signal light

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



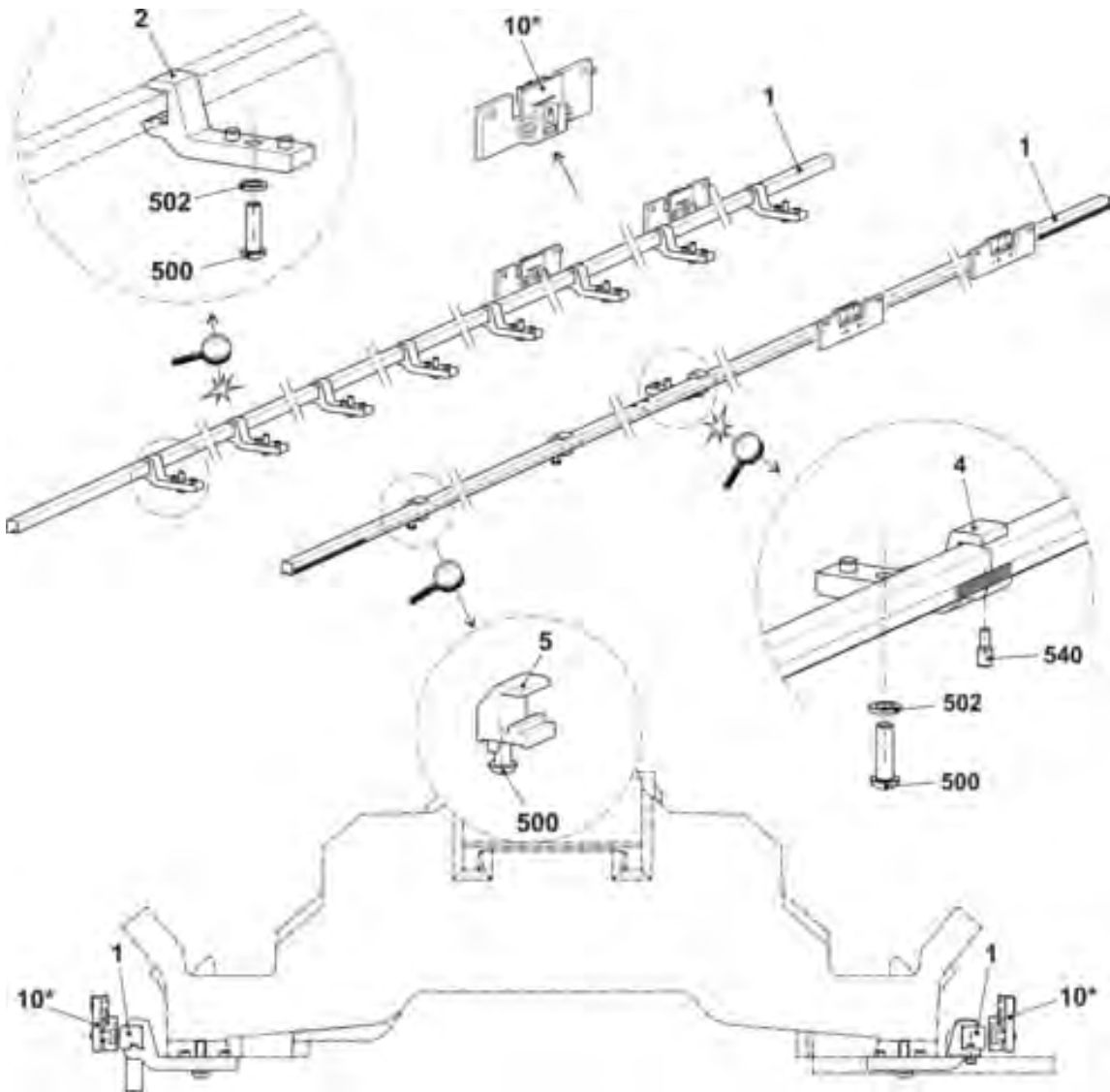
11.4 Shock stop motion

Pos	Designation	ID		Pos	Designation	ID
Σ	Shock stop motion complete	220 873		3	End plug piezo sensor	220 053
1	Shock stop motion (Piezo)	220 011		500	Pan-head screw M4x8	023 036
2	Connecting cable piezo sensor	220 063		502	Cable clipN-3B, 5 mm	210 729



11.5 Measuring device

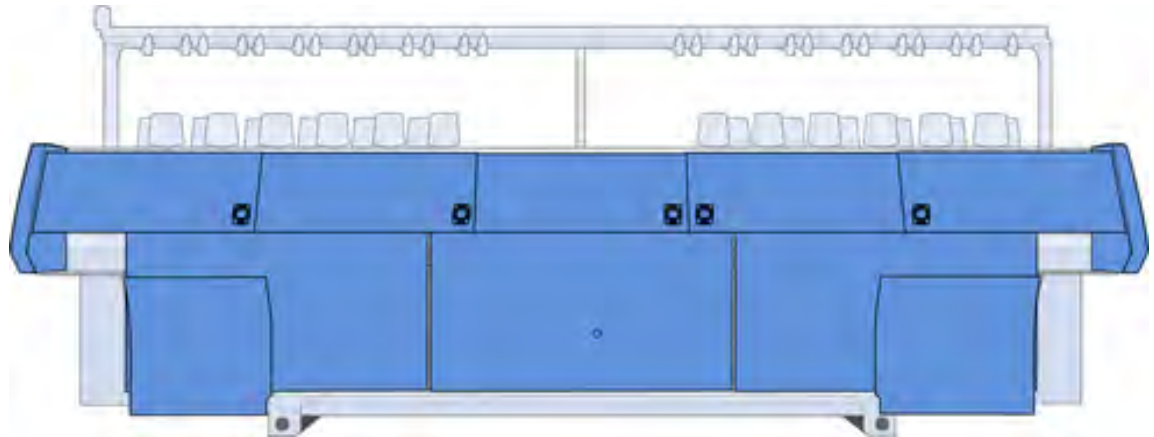
Pos	Designation		ID		Pos	Designation		ID
Σ	Measuring device		259 320					
1	Measuring bar		258 294		5	Guide exterior		251 633
2	Guide		212 210		500	Pan-head screw		241 603
4	Guide		240 672		502	Washer		020 881
	540	Setscrew	230 803		10*	Impulse sensor GLM complete		257 003



11.5 Measuring device

Notes:

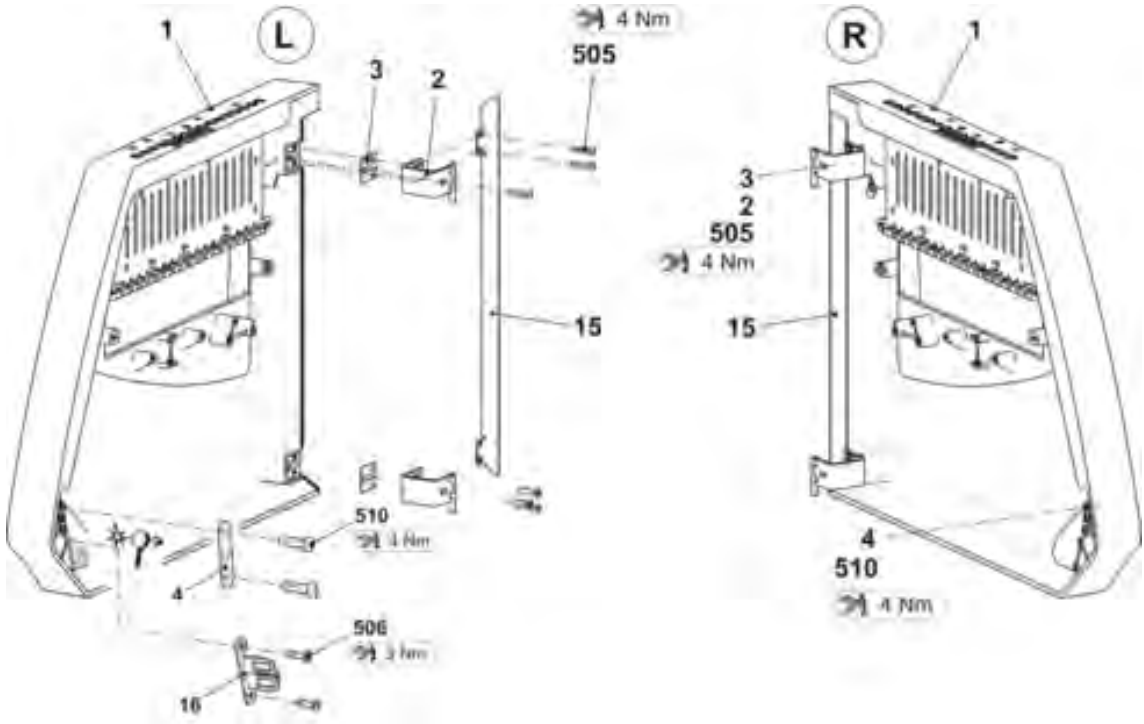
12 Protective device



12.1 Lateral safety doors

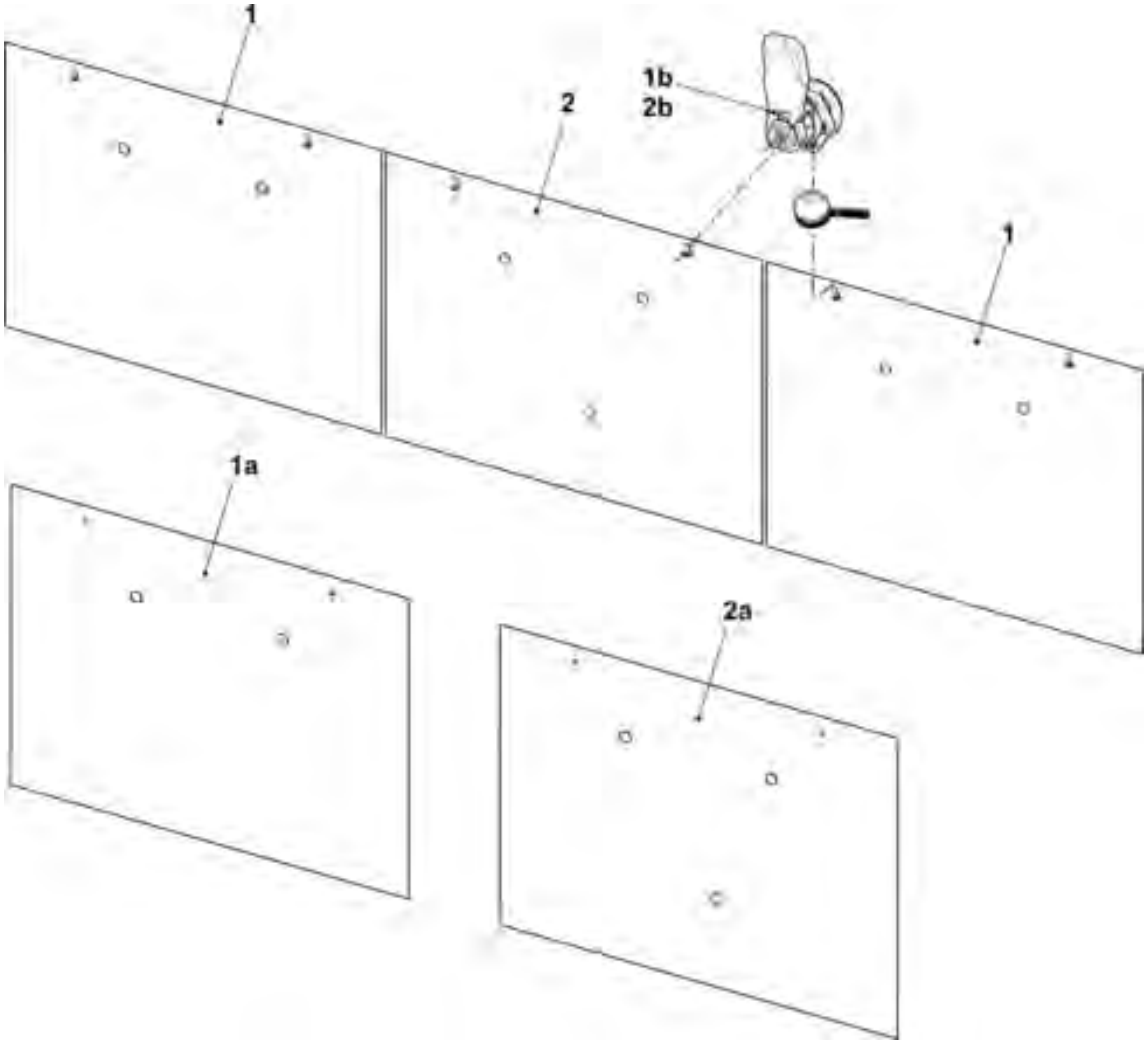
12.1 Lateral safety doors

Pos	Designation	ID		Pos	Designation	ID
Σ	Safety door on the left			Σ	Safety door on the right	
1	Safety door on the left	250 562		1	Safety door on the right	250 563
2	Hinge left safety door	242 751		2	Hinge right safety door	242 752
3	Plate	224 717		3	Plate	224 717
4	Locking plate	219 748		4	Locking plate	219 748
15	Cover at left safety door	242 749		15	Cover at left safety door	242 750
16	ActuatorAZ 15/16	255 492		16	ActuatorAZ 15/16	255 492
505	Screw KB 60x30	237 683		505	Screw KB 60x30	237 683
510	Screw KB 60x20	237 682		510	Screw KB 60x20	237 682



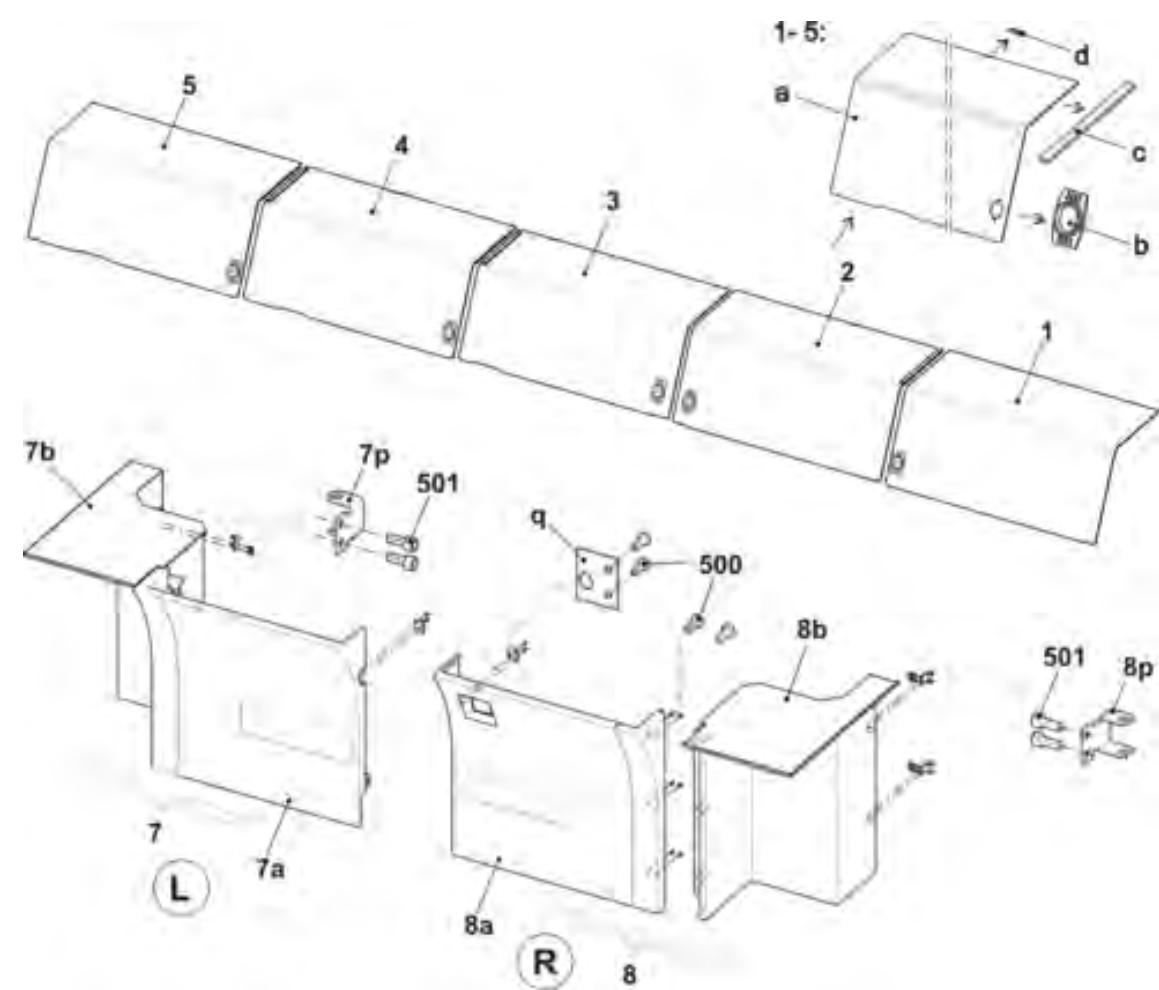
12.2 Rear panel

Pos	Designation		ID		Pos	Designation		ID
1	Panelling at the rear complete		257 716		2	Panelling at the rear complete		257 718
	1a	Panelling at the rear	257 715			2a	Panelling at the rear	257 717
	1b	Safety sash fastener complete	243 052			2b	Safety sash fastener complete	243 052

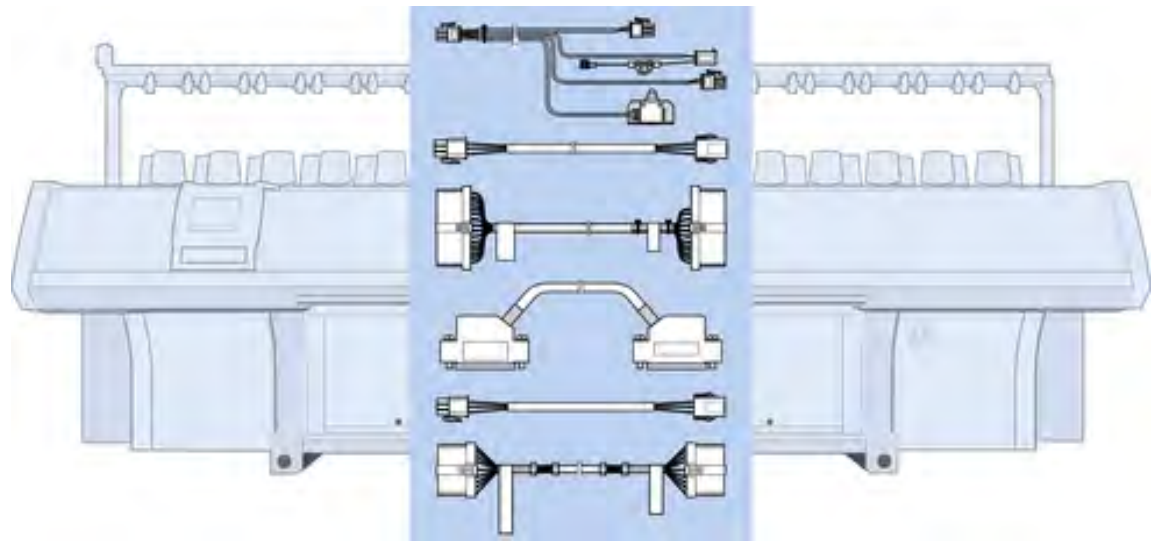


12.3 Panelling

Pos	Designation	ID	Pos	Designation	ID
1	Cover 1 (complete)	257 321	4	Cover 4 (complete)	257 324
	1a Cover 1	257 310		4a Cover 4	257 313
2	Cover 2 (complete)	257 322	5	Cover 5 (complete)	257 325
	2a Cover 2	257 311		5a Cover 5	257 317
3	Cover 3 (complete)	257 323	b	Inlet type handle	251 376
	3a Cover 3	257 312	c	Stripper	219 393
			d	Magnet	204 666
7	Control unit panelling on the left complete	251 161	8	Control unit panelling on the right complete	251 160
	7a Control unit panelling on the left	251 188		8a Control unit panelling on the right	251 189
	7b Side part on the left	251 162		8b Side part on the right	251 163
	7p Hinge on the left	252 890		8q Hinge on the right	252 891
7/8	q Bracket	240 412	7/8	500 Screw KB 50x12	240 359
				501 Cap screw M6x16	020 135

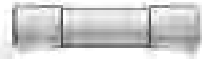


13 Electrical equipment



13.1 Fuses

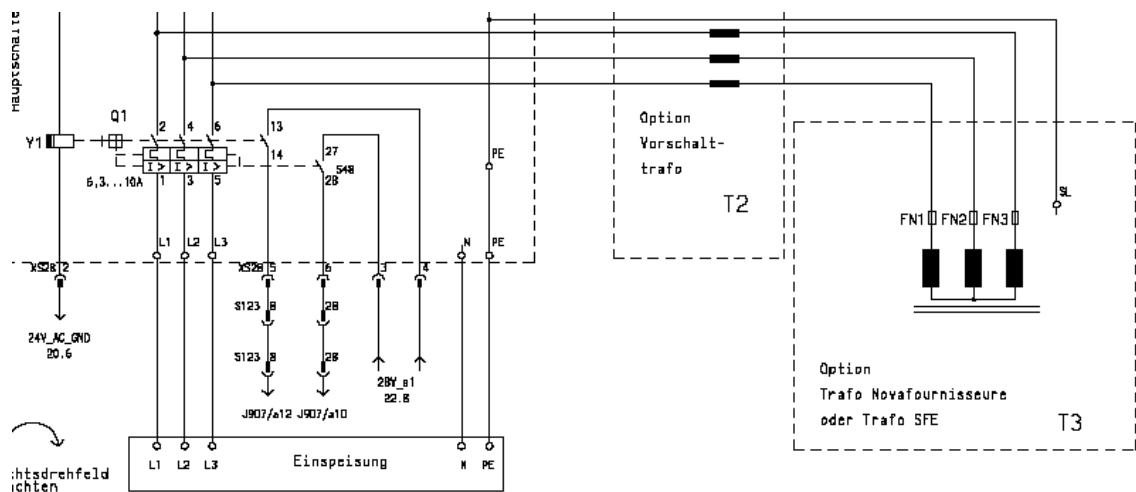
13.1 Fuses

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

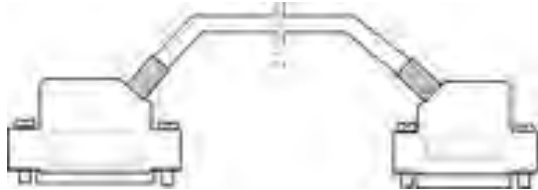
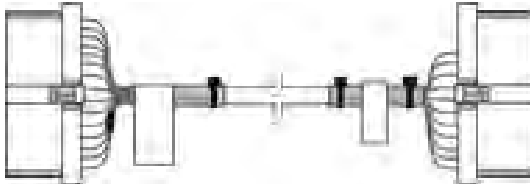
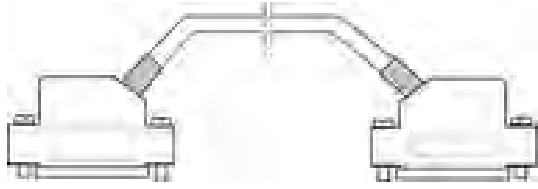
13.2 Circuit diagram (221) as PDF

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

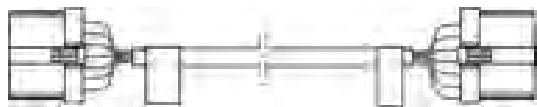
You will find the circuit diagram 221 on the CMS documentation DVD with the ID no.: 257 157



13.3 Trailing cable

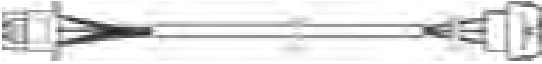
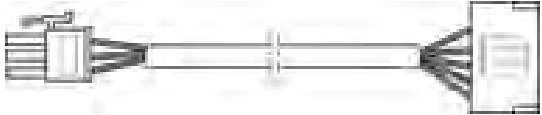
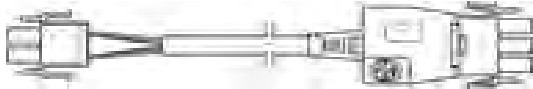
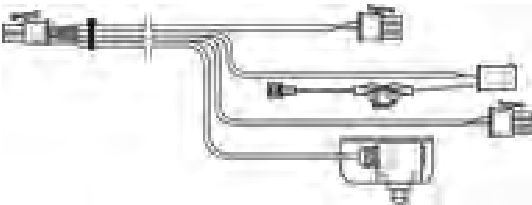
Designation	ID		Designation	ID
Trailing cable set OKC 933 2IMP-2	259 305			
Cable impulse sensor 2 at the rear on the left XL138, 933 OKC3	259 371		Cable SM rear left XL321	242 709
Cable impulse sensor 2 at the rear on the left XL139, 933 OKC3	259 372		Cable SM front left XL323	242 711
Cable impulse sensor 2 at the rear on the left XL136, 933 OKC3	259 373		Cable SM rear right XL325	242 713
Cable impulse sensor 2 at the rear on the left XL137, 933 OKC3	259 374		Cable SM front right XL327	242 715
				
Cable yarn carrier on the left	242 707		Cable signal at the rear on the left XL322	242 710
Cable yarn carrier on the right	242 708		Cable signal front left XL324	242 712
			Cable signal at the rear on the right XL326	242 714
			Cable signal front right XL328	242 716
				

13.4 Loom of cables 1

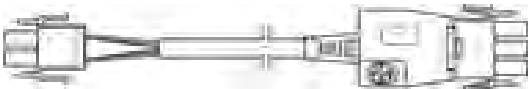
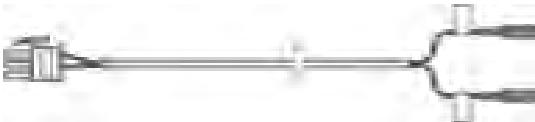
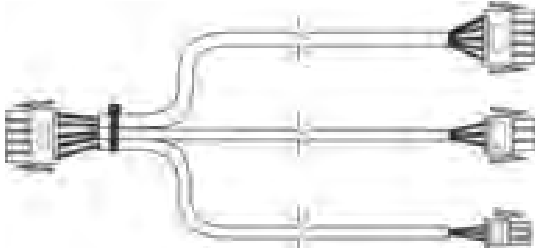
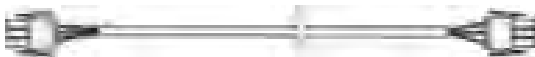
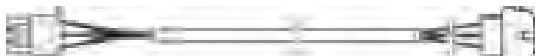
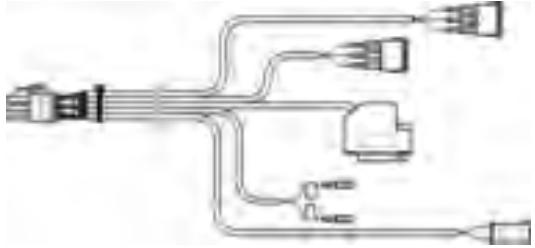
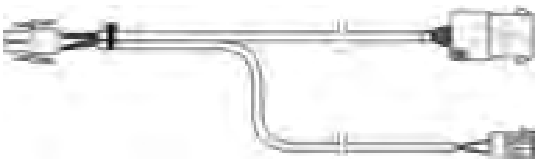
Pos	Designation	ID		Pos	Designation	ID
Σ	Loom of cables 1 OKC 9XX	242 502				
1	Cable Engaging rod 9XX OKC	242 505		2	Cable supply FKE lamp9XX OKC	242 506
						
3	Cable protective device on the left 9XX OKC	253 616				
						

13.5 Loom of cables 2

13.5 Loom of cables 2

Pos	Designation	ID	Pos	Designation	ID
Σ	Loom of cables 2 OKC 9XX	242 503			
1	Cable motor HIAB pressure roller96" OKC	242 508	2	Cable impulse sensor pressure roller96" OKC	242 509
					
3	Cable racking limit switch 9XX OKC	242 510	4	Cable fan drive 9XX OKC	242 511
					
5	Cable Feed wheel on the right 96" OKC	242 512	6	Cable drive motor 9XX OKC	242 513
					
7	Cable resolver drive 9XX OKC	242 514	8	Cable racking motor 9XX OKC	242 515
					
9	Cable resolver racking 9XX OKC	242 516	10	Cable protective device on the right 9XX OKC	253 615
					
11	Cable fabric sensorOKC	242 518			
					

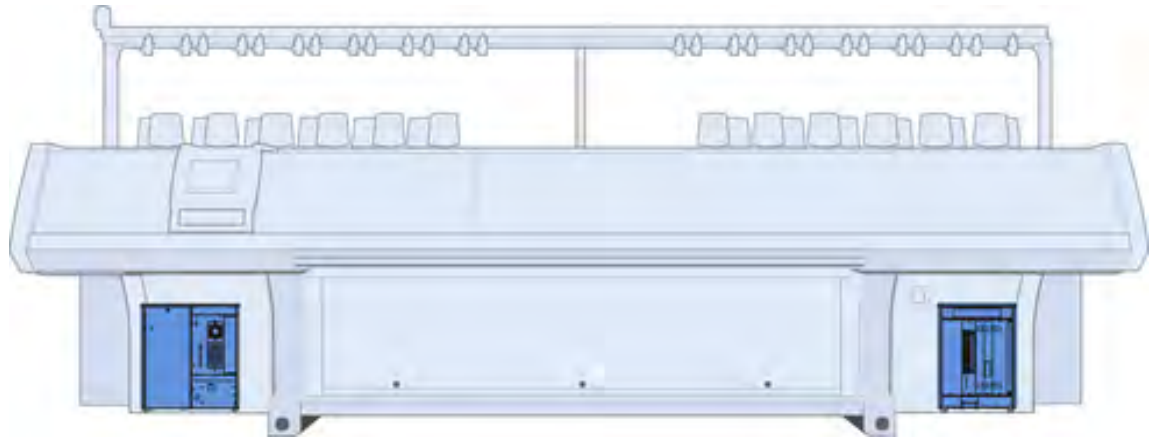
13.6 Loom of cables 3

Pos	Designation	ID	Pos	Designation	ID
Σ	Loom of cables 3 96" OKC	242 504			
1	Cable CAN96" OKC	242 522	2	Cable Electro 96" OKC	242 523
					
3	Cable feed wheel on the left 96" OKC	242 524	4	Cable motor HAAB 9XX OKC	242 521
					
5	Cable switch HAAB 96" OKC	242 520	6	Cable power supply WAZ/F 96" OKC	242 765
					
7	Cable power supply Servo96" OKC	242 766	8	Cable power supply unit of mains supply 96" OKC	242 767
					
9	Cable power supply lighting96" OKC	242 768	10	Cable motor HIAB96" OKC	242 525
					
11	Cable impulse sensor HIAB96" OKC	242 526	12	Cable impulse sensor HAAB 96" OKC	242 519
					
13	Cable power supply FLENT 96" OKC	251 232			
					

13.6 Loom of cables 3

Notes:

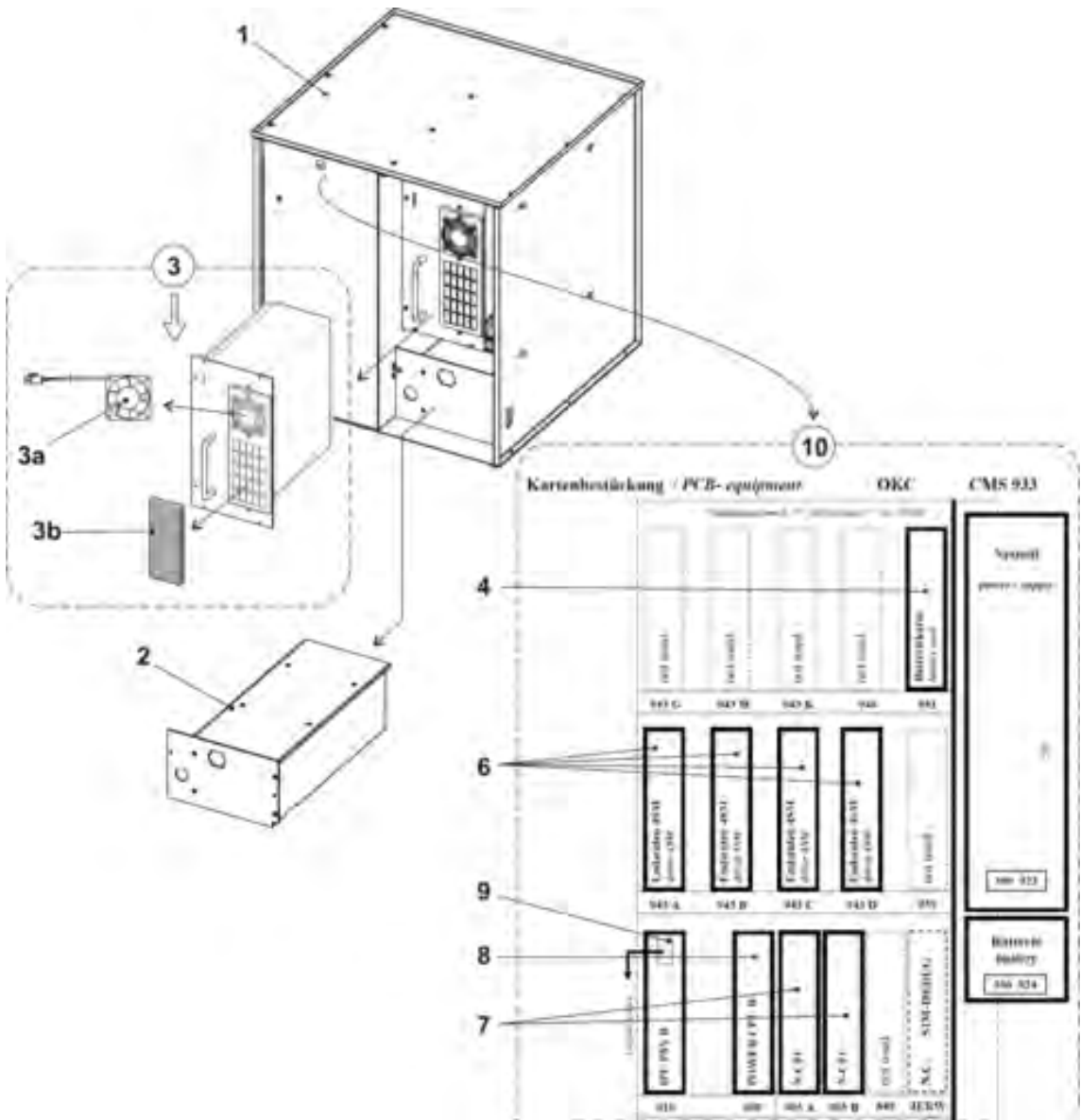
14 Control electronics



14.1 Left control cabinet

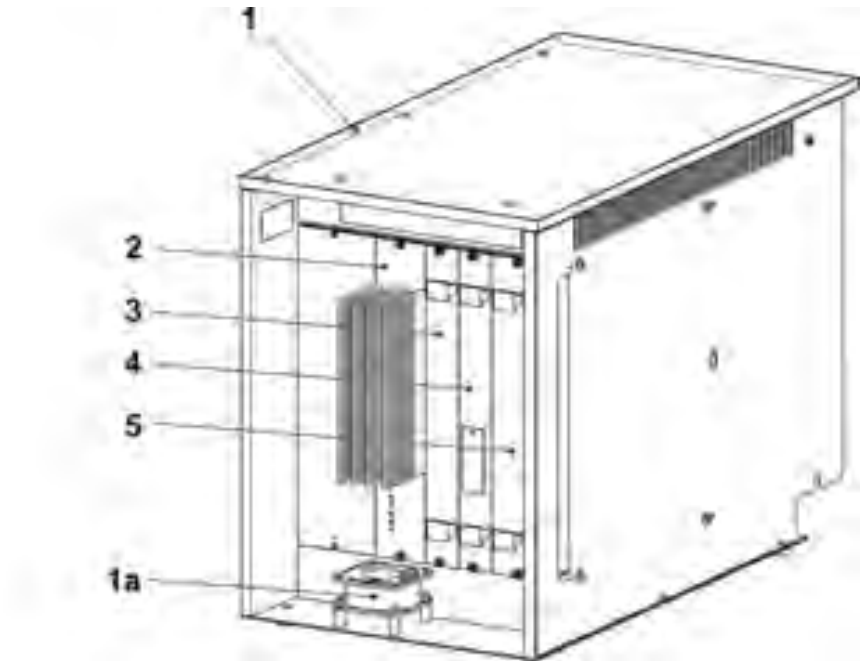
14.1 Left control cabinet

Pos	Designation		ID		Pos	Designation	ID
Σ	Control unit on the left complete 933 5/6 inch		254 860		4	Card battery OKC	300 951
1	Control unit on the left without any equipment		254 868		6	Card final stages 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	Fan power supply unit	239 305		9	Spare parts packageIPC P8X S 01	257 040
	3b	Filter pad CG54	239 350		10	Adhesive label of board equipment on the left	254 861



14.2 Right control cabinet

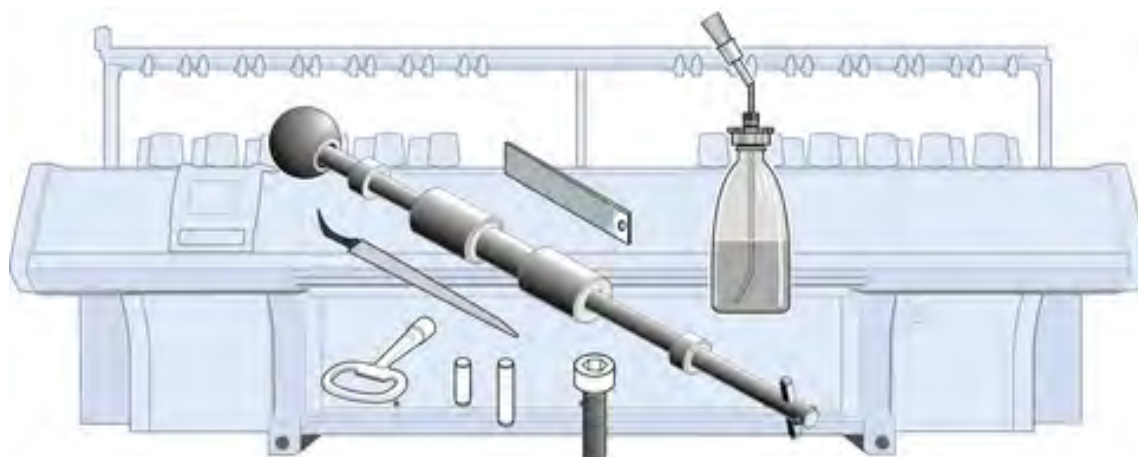
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit on the right complete OKC	238 738				
1	Control unit on the left without any equipment	238 737		3	Card relay okc	300 953
1a	Axial flow fan Servo 5	229 059		4	Card CWAZ	300 929
2	Card Servo 6	301 000		5	Capacitor card CWAZ	300 936



14.2 Right control cabinet

Notes:

15 Deliverable accessories



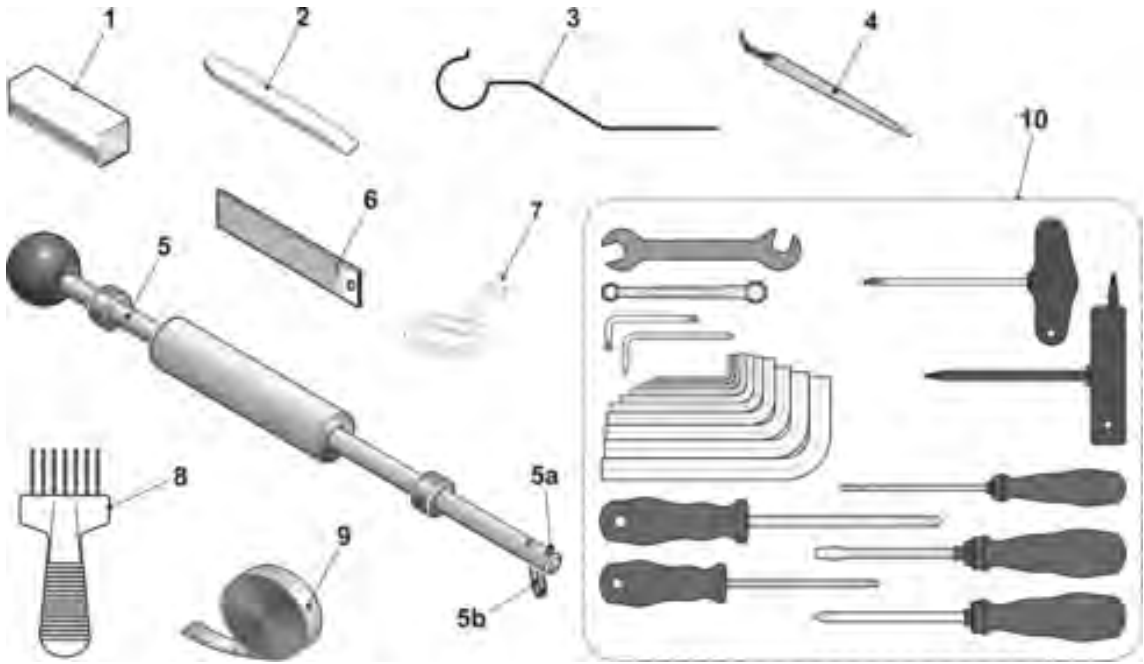
You can order the following tools, lubricants and expendables.

The following list does not correspond to the scope of delivery of the knitting machine.

15.1 Tool

15.1 Tool

Pos	Designation	Id	Pos	Designation	Id
1	Channel support E4	062 309	6	Groove file 1,33mm E3-4	006 169
	Channel support E5, E2,5.2	062 310		Groove file 1,25mm E5-8, E3,5.2	006 170
	Channel support E7, E3,5.2	062 312		Groove file 0,90mm E10-12, E5.2 6.2	006 175
	Channel support E8	062 313		Groove file 0,73mm E14, E7.2	006 173
	Channel support E10, E5.2	062 314		Groove file 0,45mm E16-18, E9.2	006 179
	Channel support E12, E6.2	062 315	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=150cm	228 180
	5b Pencil	232 022	10	Tool kit	209 527



15.2 Lubricating stuff

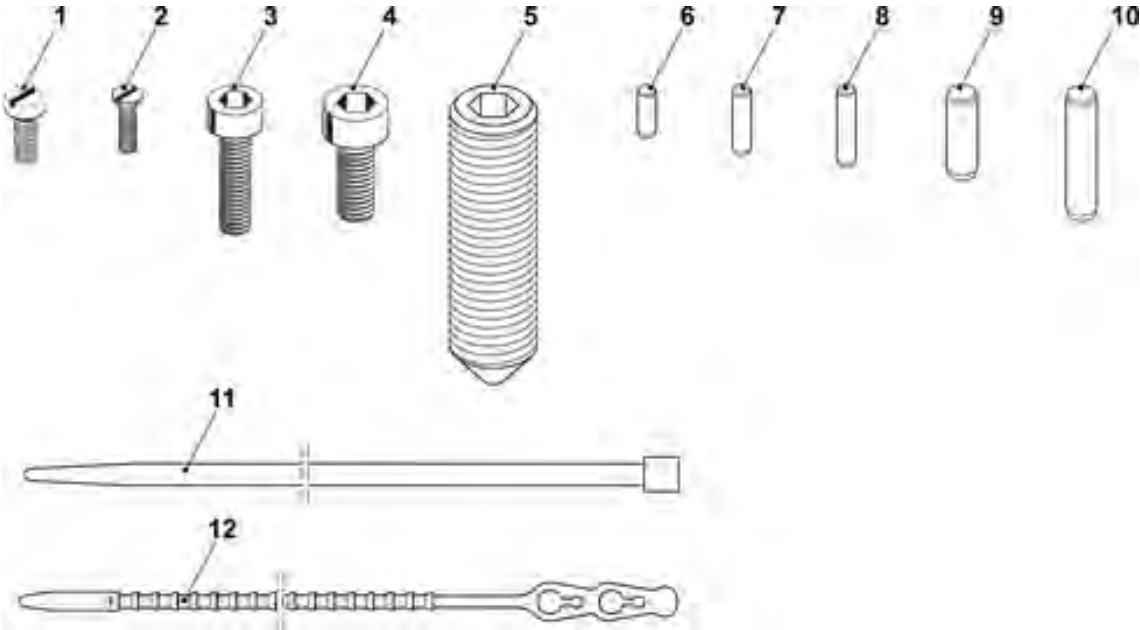
Pos	Designation	Id		Pos	Designation	Id
1	Silvertex T 46, 1l	230 614		4	Oil combifix	216 732
2	Grease OKS 475, 1kg	009 200		5	White grease paste OKS270	229 372
3	Grease OKS 475, 150g	005 351		6	Grease Staburags NBU 12/300KP	231 191



15.3 Mechanical parts

15.3 Mechanical parts

Pos	Designation	Id		Pos	Designation	Id
1	Cap screw M4x8	020 091		11	Cut cable 203x3,6mm	025 815
2	Countersunk screw M3x6	020 286			Cut cable T50L	026 294
3	Cap screw M5x16	022 726			Cut cable 140x3,6mm	008 379
4	Cap screw M6x14	022 658			Cut cable 302x4,8mm	008 642
5	Setscrew M16x50	023 235			Cut cable 92x2,4mm	008 378
6	Dowel pin 3x7	020 643		12	Reusable tie ABV 232 320mm	026 557
7	Dowel pin 3x10	020 645				
8	Dowel pin 3x12	020 647				
9	Dowel pin 5x12	021 988				
10	Dowel pin 5x18	022 622				



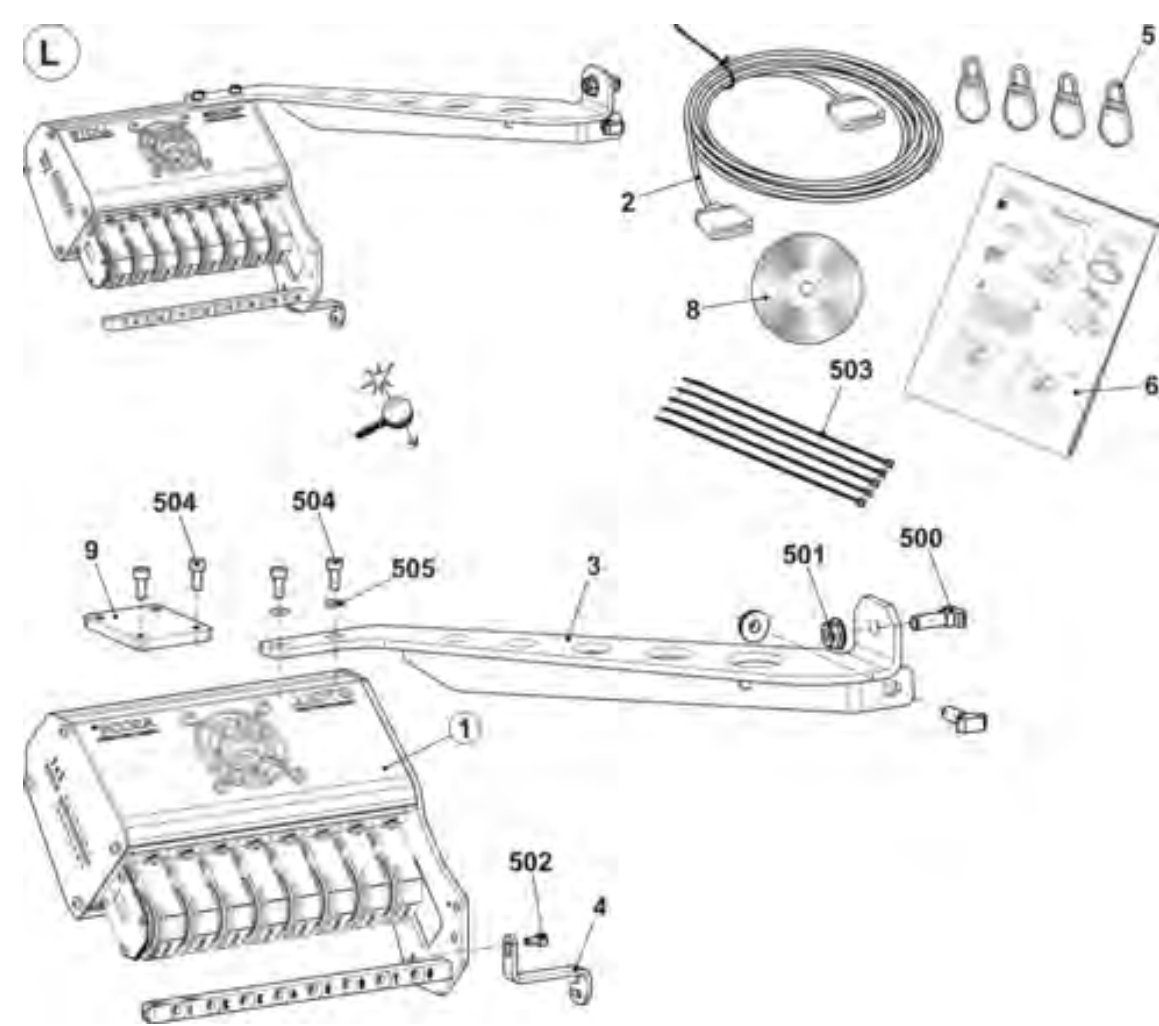
16 Special attachments



16.1 Yarn length measuring device on the right complete CMS 933

16.1 Yarn length measuring device on the right complete
CMS 933

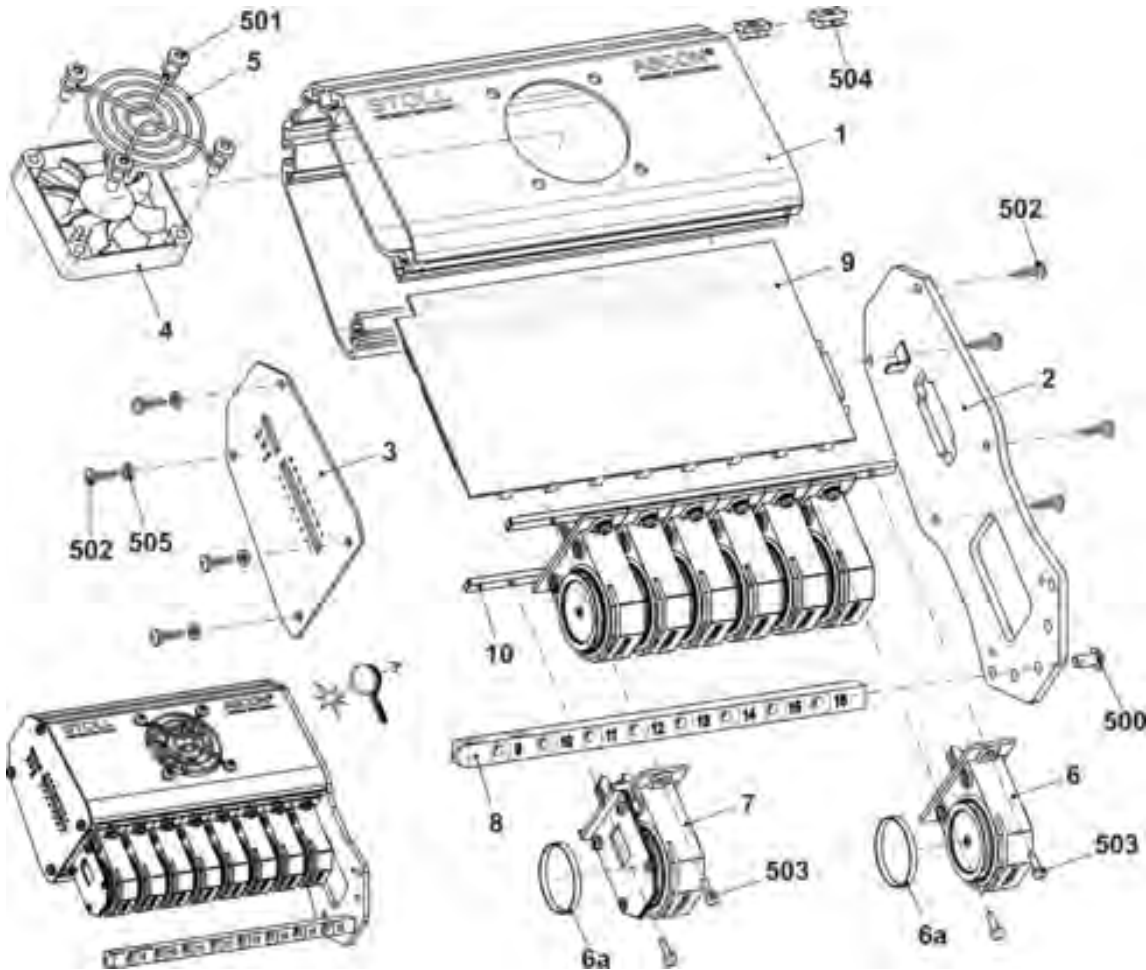
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	257 903				
1	Yarn length measuring device on the left complete	257 283		9	Holding plate	258 386
2	Cable ASCON	257 239		500	T-head bolt M8x25	022 866
3	Support on the left	257 857		501	Serrated nut M8-10	023 026
4	Connecting lug on the left	257 137		502	Cap screw M4x8	022 501
5	Adjustment weight	212 241		503	Cable tape 302x4,8	008 642
6	Instructions ASCON	257 597		504	Cap screw M5x12	020 132
8	DVD with operating instructions	258 391		505	Washer5	020 871



16.1 Yarn length measuring device on the right complete CMS 933

16.1.1 Yarn length measuring device

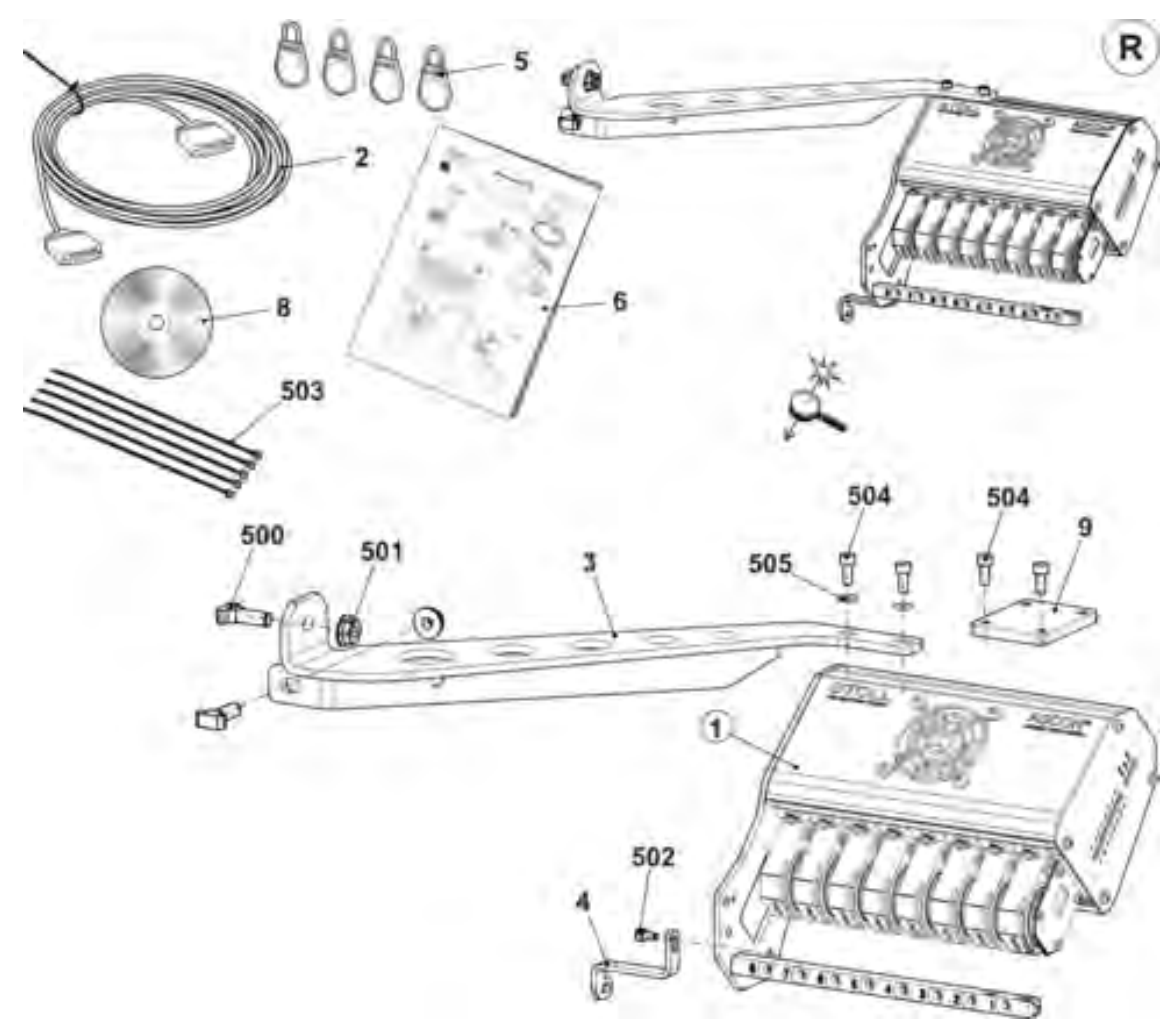
Pos	Designation		Id		Pos	Designation		Id
Σ	Yarn length measuring device on the left complete		257 283		8	Yarn guide rod		257 139
1	Housing		257 281		9	Card Ascon		255 000
2	Support		257 278		10	Threaded strip		257 138
3	Cover		257 273		500	Pan-head screw M5x10		023 247
4	Fan with plug		257 048		501	Screw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



16.2 Yarn length measuring device on the right complete CMS 933

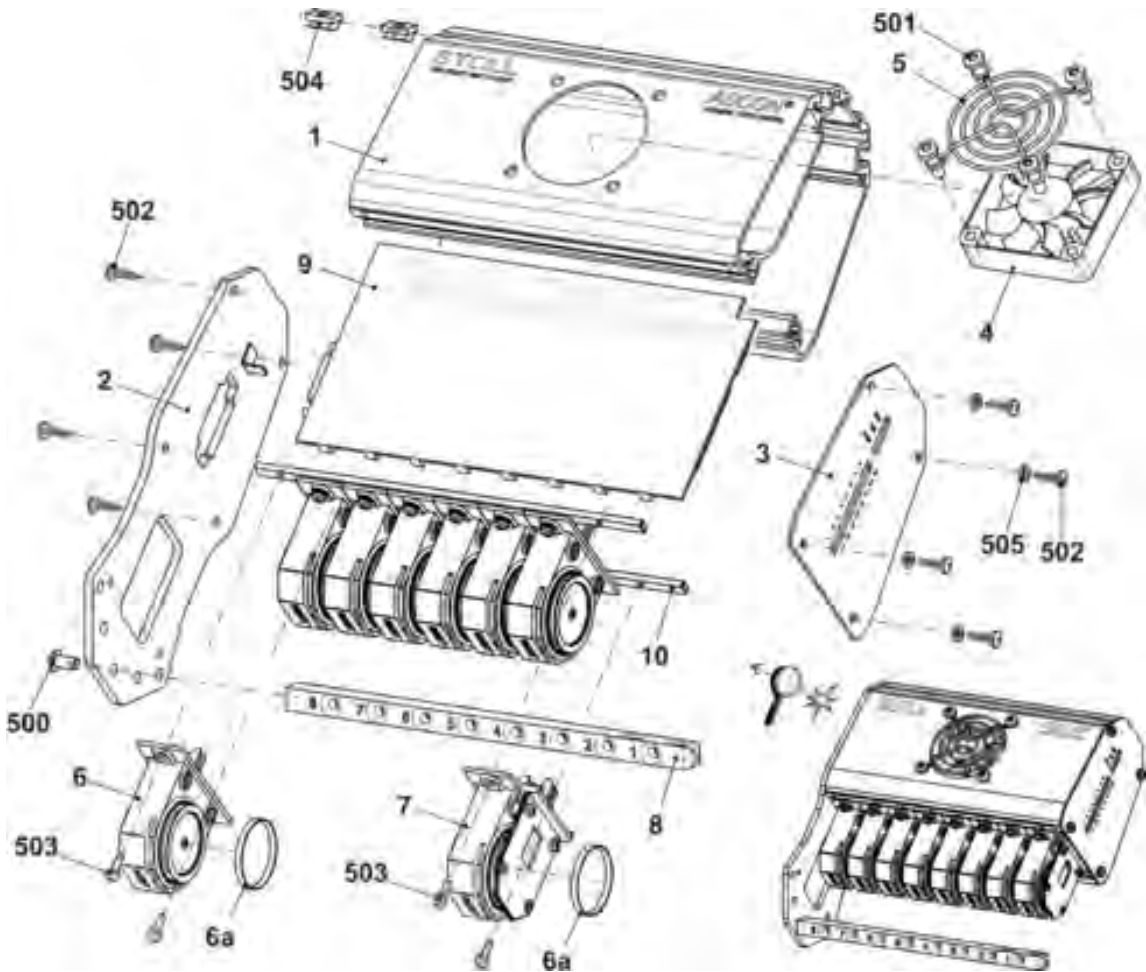
16.2 Yarn length measuring device on the right complete
CMS 933

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 904				
1	Yarn length measuring device on the right complete	257 282		9	Holding plate	258 386
2	Cable ASCON	257 239		500	T-head bolt M8x25	022 866
3	Support right	257 856		501	Serrated nut M8-10	023 026
4	Connecting lug on the right	257 136		502	Cap screw M4x8	022 501
5	Adjustment weight	212 241		503	Cable tape 302x4,8	008 642
6	Instructions ASCON	257 597		504	Cap screw M5x12	020 132
8	DVD with operating instructions	258 391		505	Washer5	020 871



16.2.1 Yarn length measuring device on the right

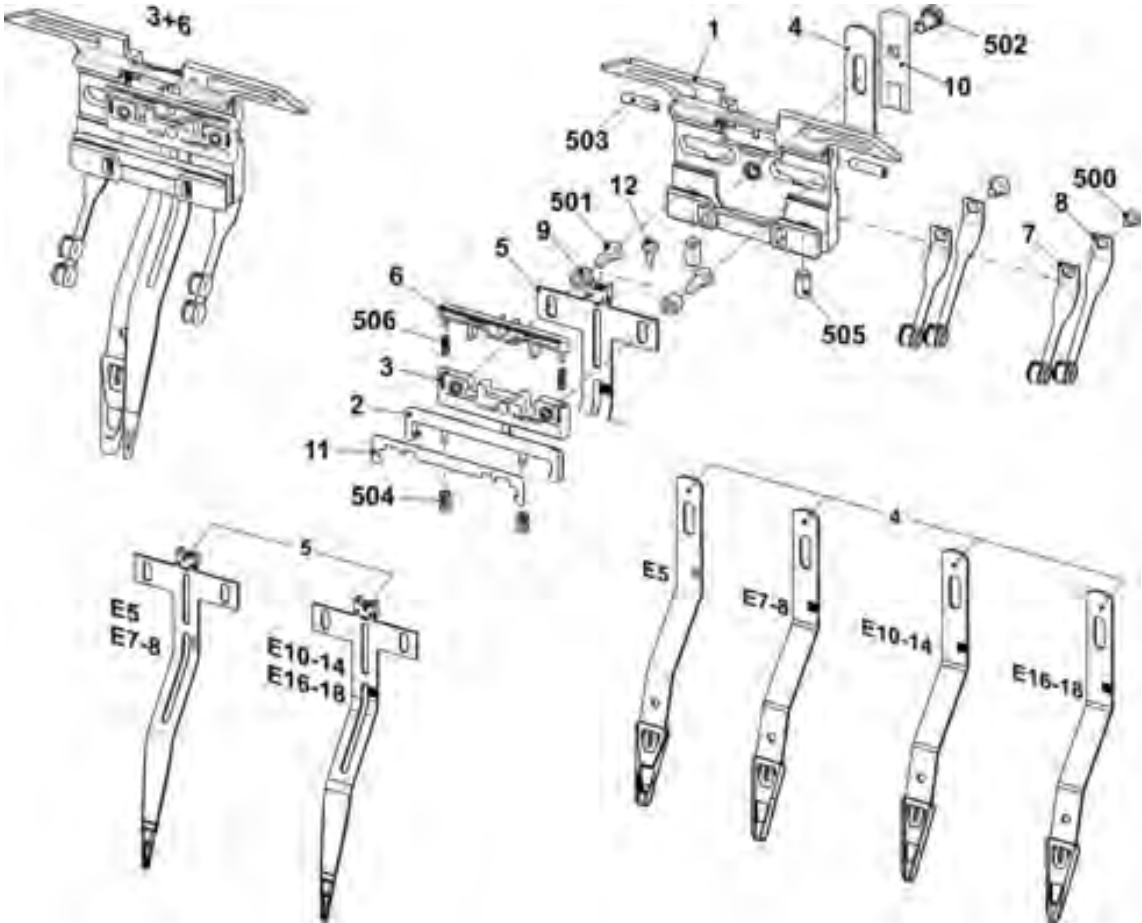
Pos	Designation		Id		Pos	Designation		Id
Σ	Yarn length measuring device on the right complete		257 282		8	Yarn guide rod		257 139
1	Housing		257 281		9	Card Ascon		255 000
2	Support		257 278		10	Threaded strip		257 138
3	Cover		257 273		500	Pan-head screw M5x10		023 247
4	Fan with plug		257 048		501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



16.3 Plating yarn carrier 3+6

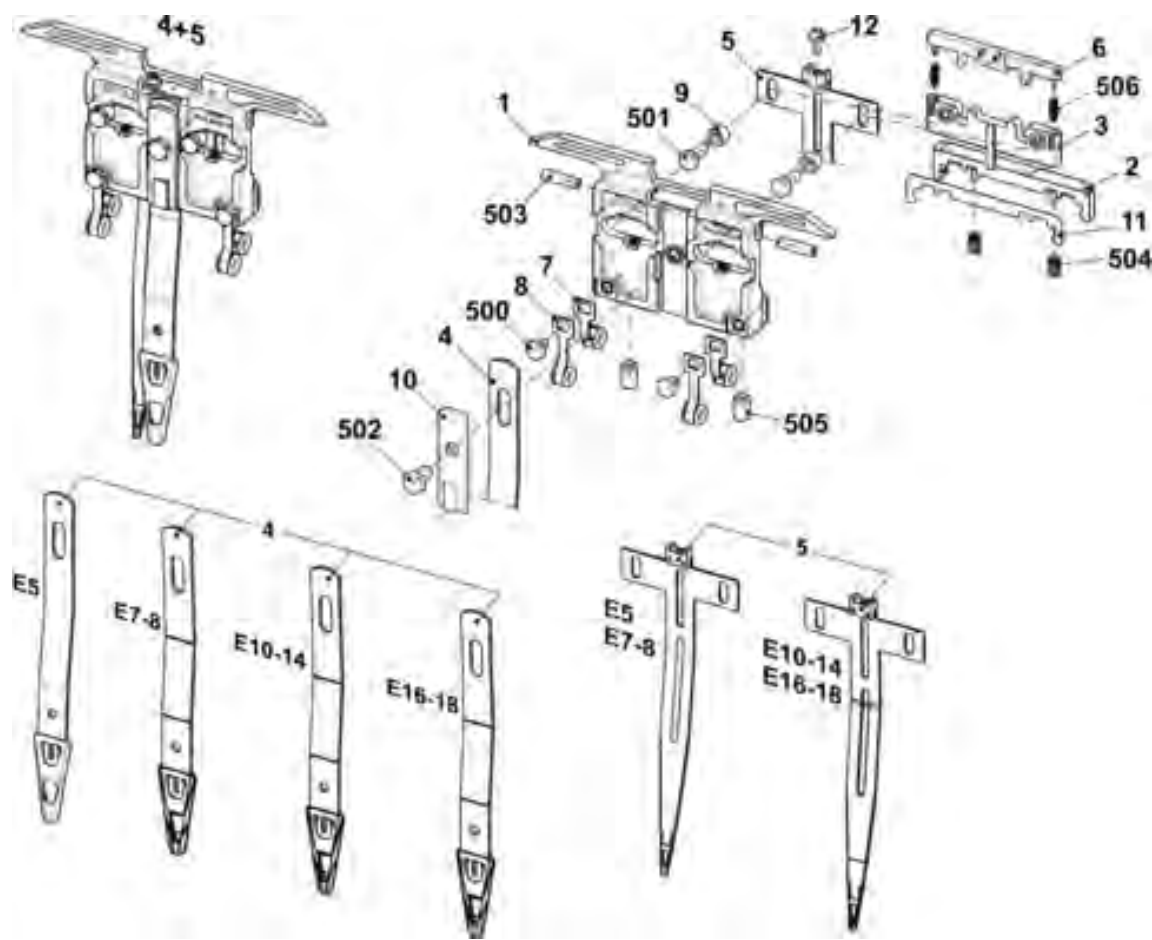
16.3 Plating yarn carrier 3+6

Pos	Designation	ID		Pos	Designation	ID
Σ	Plating yarn carrier carriage 3+6 complete			8	Eyelet holder complete	252 824
	E5 E2,5.2 E3,5.2 E5.2	252 782		9	Distance bushing	252 796
	E7 E8	252 784		10	Shim	213 035
1	Plating yarn carrier carriage	252 806		11	Shim	216 143
2	Sliding piece	212 583		12	Adjusting screw	253 436
3	Slider	252 798		500	Hexagon screw M4x5	243 779
4	Plating yarn carrier bow 3+6			501	Hexagon screw M4x10	020 346
	E5	252 820		502	Hexagon screw	252 832
	E7-8	252 821		503	SetscrewM4x16	254 196
5	Plating yarn carrier bow 3+6 E5-8	252 800		504	Compression spring	021 399
6	Sliding piece	252 797		505	Threaded bolt	213 399
7	Eyelet holder complete	252 825		506	Compression spring	253 058



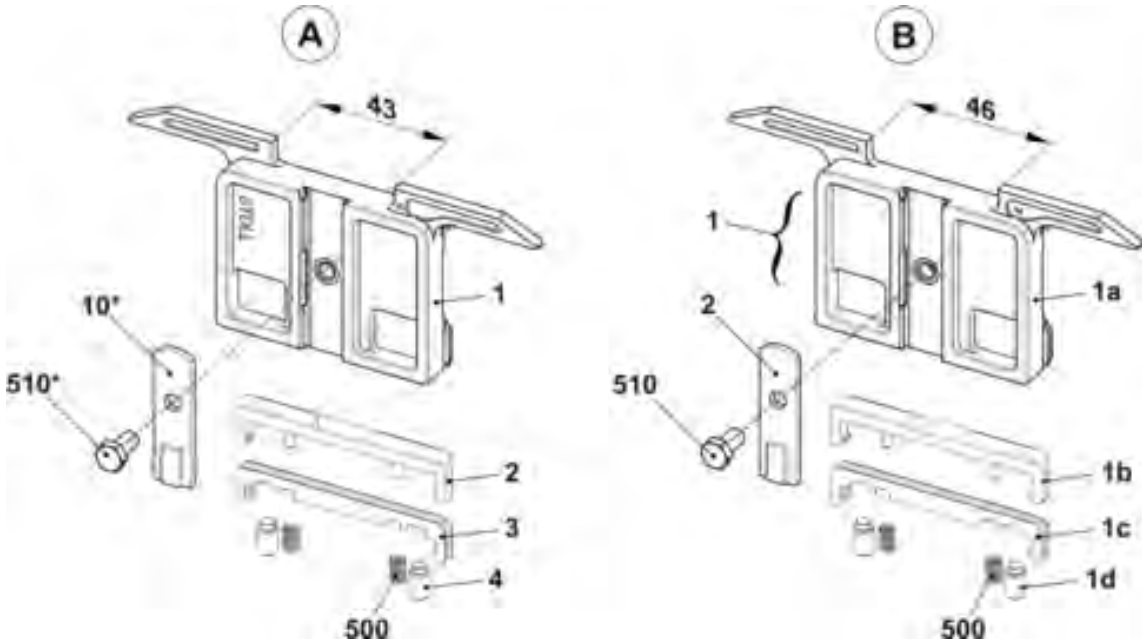
16.4 Plating yarn carrier 4+5

Pos	Designation	ID	Pos	Designation	ID
Σ	Plating yarn carrier carriage 4+5 complete		8	Eyelet holder complete	252 816
	E5 E2,5.2 E3,5.2 E5.2	252 781	9	Distance bushing	252 796
	E7 E8	252 783	10	Shim	213 035
1	Plating yarn carrier carriage	252 806	11	Shim	216 143
2	Sliding piece	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screw M4x5	243 779
4	Plating yarn carrier bow 4+5		501	Hexagon screw M4x10	020 346
	E5	252 790	502	Hexagon screw	252 832
	E7-8	252 791	503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 4+5 E5-8	252 799	504	Compression spring	021 399
6	Sliding piece	252 797	505	Threaded bolt	213 399
7	Eyelet holder complete	252 815	506	Compression spring	253 058



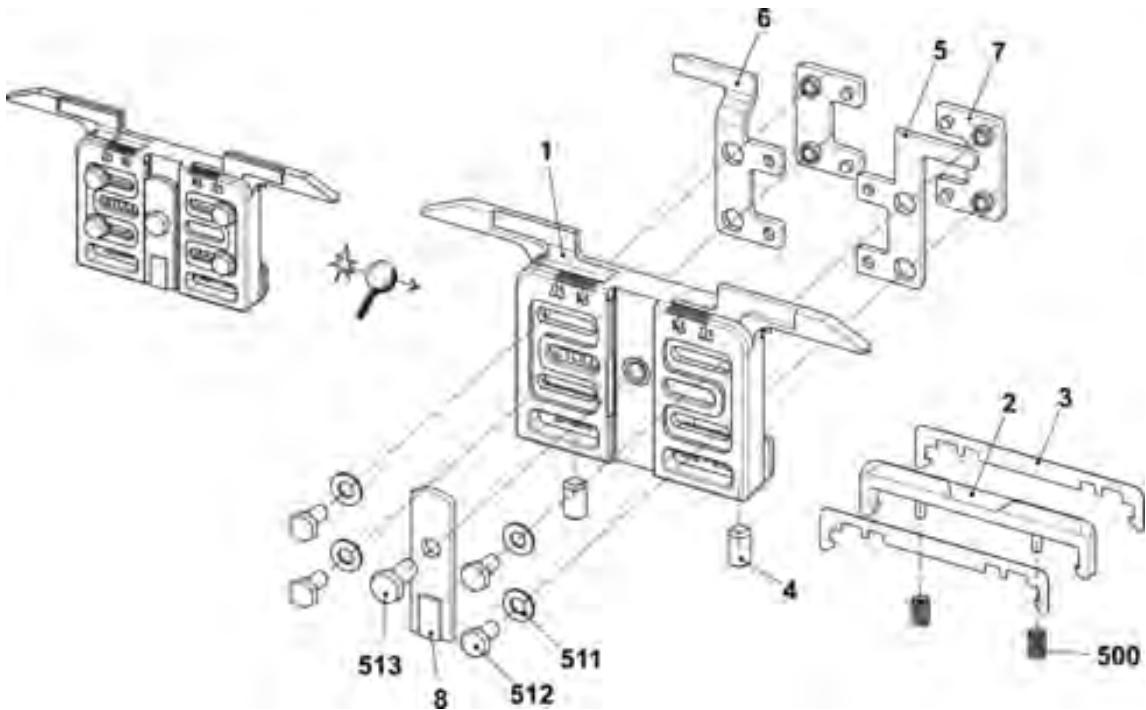
16.5 Carriage of plating yarn carrier EW43 | EW46

Pos	Designation	Id		Pos	Designation	Id
A	Plating FF carriage complete EW 43	257 241		B	Plating FF carriage complete E5-18	244 998
1	FF carriage EW 43	257 240		1	FF carriage EW 46	244 253
2	Sliding piece	212 583		1a	FF carriage	243 881
3	Shim	216 143		1b	Sliding piece	212 583
4	Threaded bolt	213 399		1c	Shim	216 143
500	Compression spring4,0x0,55x11	021 399		1d	Threaded bolt	213 399
10*	Shim	213 035		500	Compression spring4,0x0,55x11	021 399
510*	Hexagon screw M5x10	020 351		2	Shim	213 035
				510	Hexagon screw M5x10	020 351



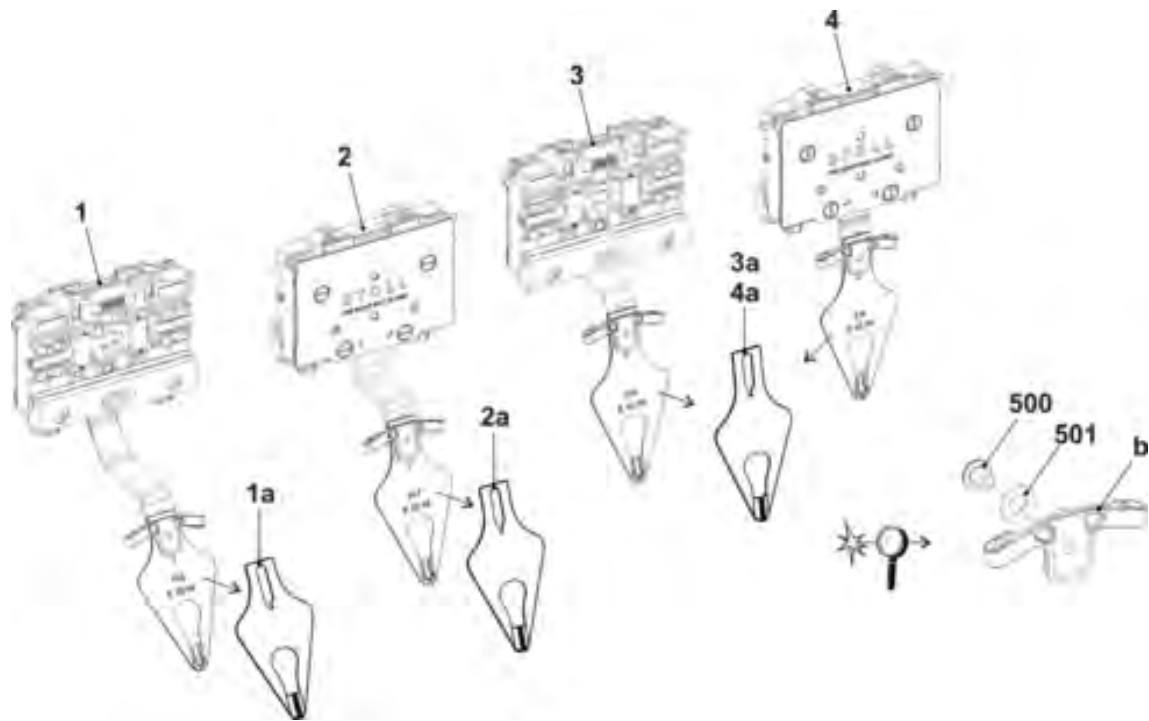
16.6 Carriage of plating yarn carrier (adjustable)

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



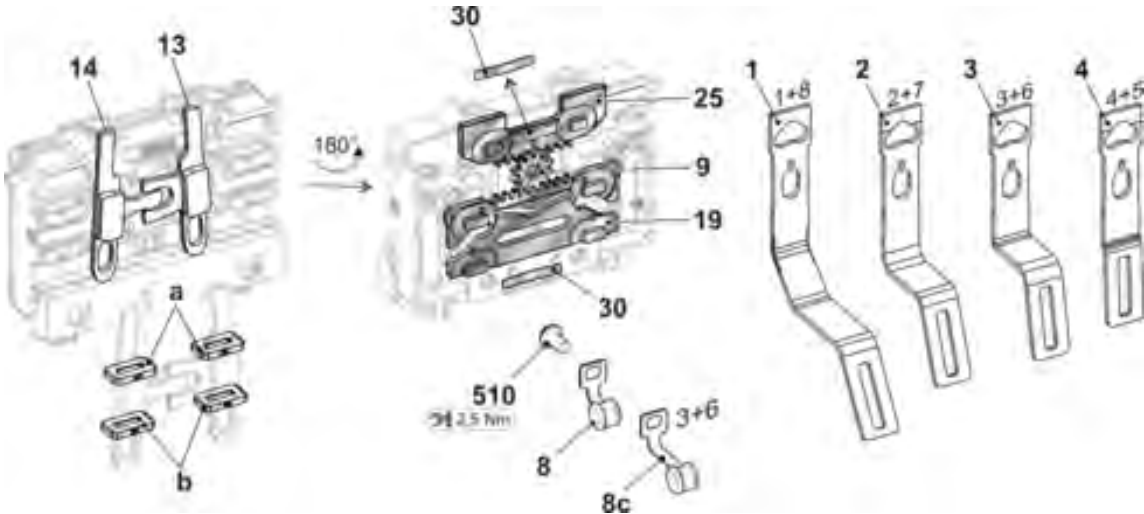
16.7 Intarsia yarn carrier type 2, Overview

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



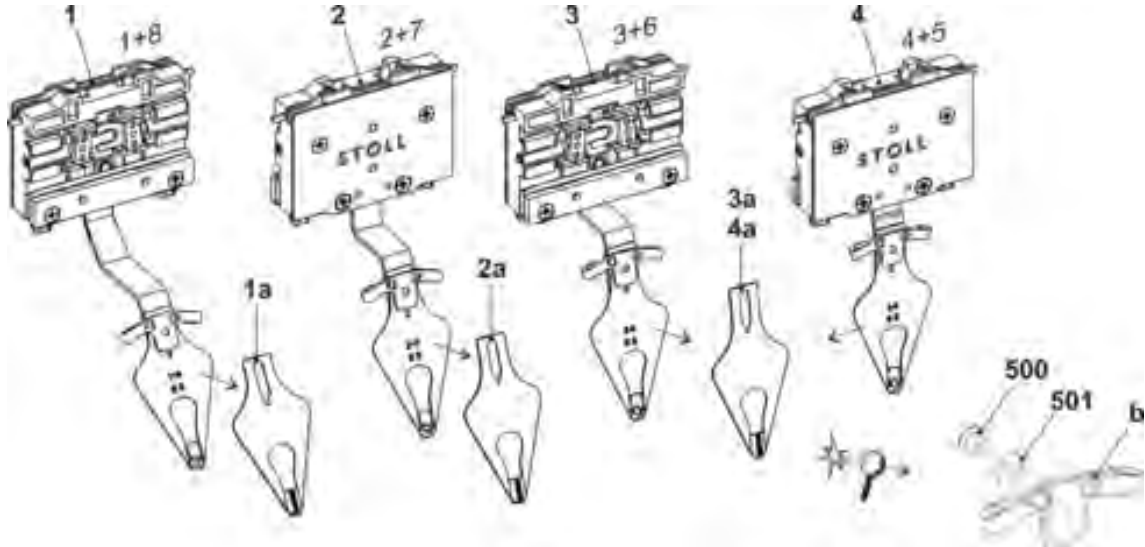
16.7.1 Continuation Intarsia yarn carrier type 2

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



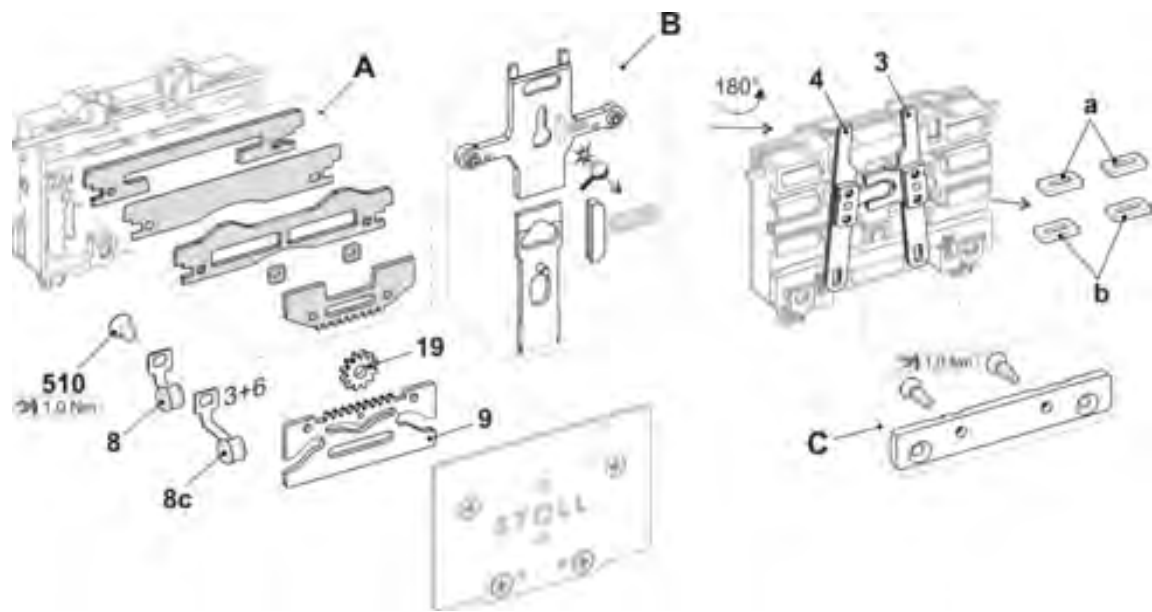
16.8 Intarsia yarn carrier type 2, Overview(Scope of delivery until 09/2011)

Pos	Designation	Id		Pos	Designation	Id
1	IFF carriage complete1+8 E5	250 319		1a	YC head 1+8 completeE5	244 076
	IFF carriage complete1+8 E7-8	250 323			YC head 1+8 completeE7-8	244 082
	IFF carriage complete1+8 E10-14	250 327			YC head 1+8 completeE10-14	260 612
	IFF carriage complete1+8 E16-18	250 331			YC head 1+8 completeE16-18	261 516
2	IFF carriage complete 2+7 E5	250 320		2a	YC head 2+7 complete E7-8	244 083
	IFF carriage complete 2+7 E7-8	250 324			YC head 2+7 complete E10-14	260 614
	IFF carriage complete 2+7 E10-14	250 328			YC head 2+7 complete E16-18	261 517
	IFF carriage complete 2+7 E16-18	250 332			YC head 2+7 complete E5	244 077
3	IFF carriage complete 3+6 E5	250 321		3a	YC head 3-6 complete E5	244 078
	IFF carriage complete 3+6 E7-8	250 325		4a	YC head 3-6 complete E7-8	244 084
	IFF carriage complete 3+6 E10-14	250 329			YC head 3-6 complete E10-14	260 610
	IFF carriage complete 3+6 E16-18	250 333			YC head 3-6 complete E16-18	261 518
4	IFF carriage 4+5 complete E5	250 322		b	Yarn guide angle	242 863
	IFF carriage 4+5 complete E7-8	250 326		500	Pan head screw M4x5	239 549
	IFF carriage 4+5 complete E10-14	250 330		501	Washer	020 870
	IFF carriage 4+5 complete E16-18	250 334				



16.8.1 Continuation Intarsia yarn carrier type 2, Overview(Scope of delivery until 09/2011)

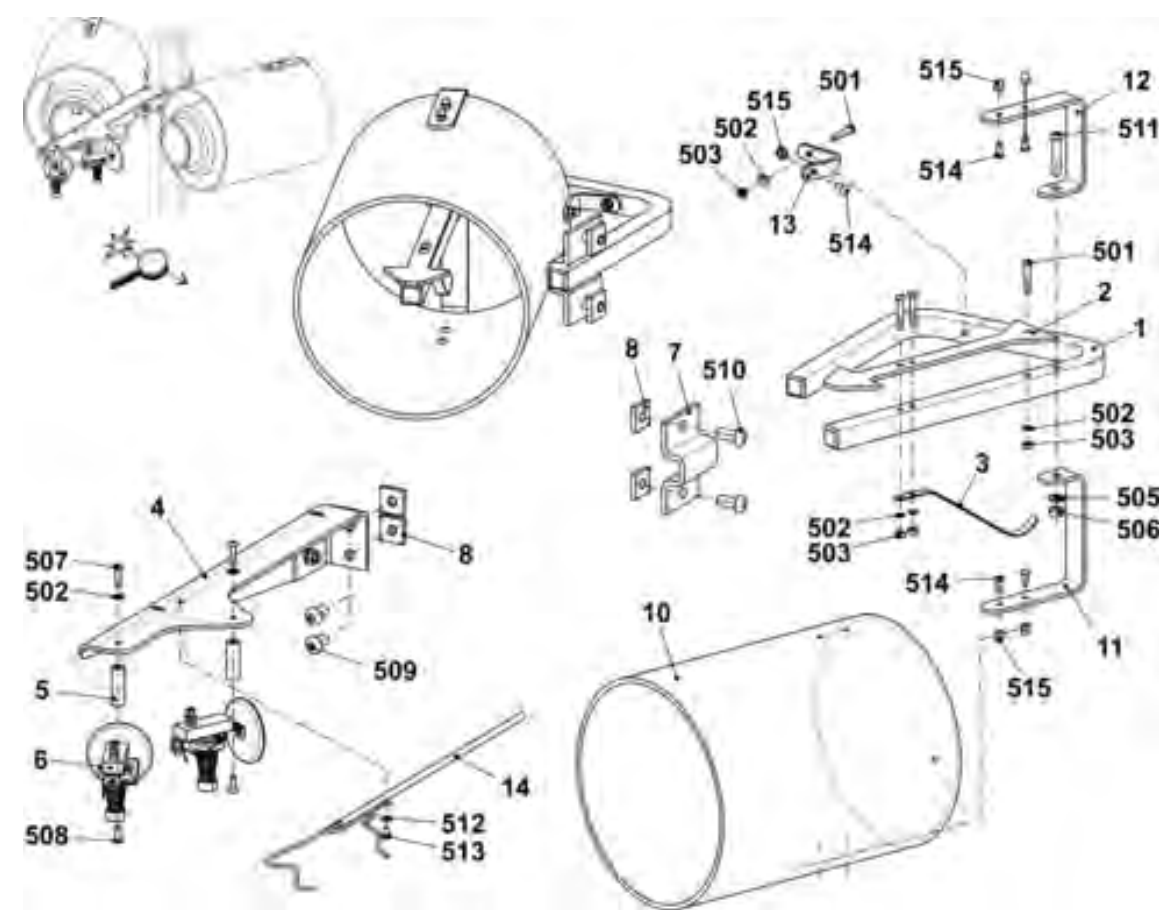
Pos	Designation	Id		Pos	Designation	Id
Σ	IFF carriage 1+8	250 315		A	Spare parts package IFF sliding block	263 585
	IFF carriage 2+7	250 316		B	Spare parts package IFF 1+8	263 580
	IFF carriage3+6	250 317			Spare parts package IFF 2+7	263 581
	IFF carriage4+5	250 318			Spare parts package IFF 3+6	263 582
3	Clamping lever on the rightH3	235 102			Spare parts package IFF 4+5	263 584
4	Clamping lever on the leftH3	235 103		C	Spare parts package IFF locating plate	263 579
8	Eyelet holder complete	242 931		a	Pressure plate 2,04	201 654
8c	Eyelet holder complete	244 200		b	Pressure plate 2,06	208 924
9	Slider at the bottom	250 300			Pressure plate 2,02	235 740
19	Gear wheel	244 031		510	Pan-head screw M4x6	022 994



16.9 Bobbin holder on the left

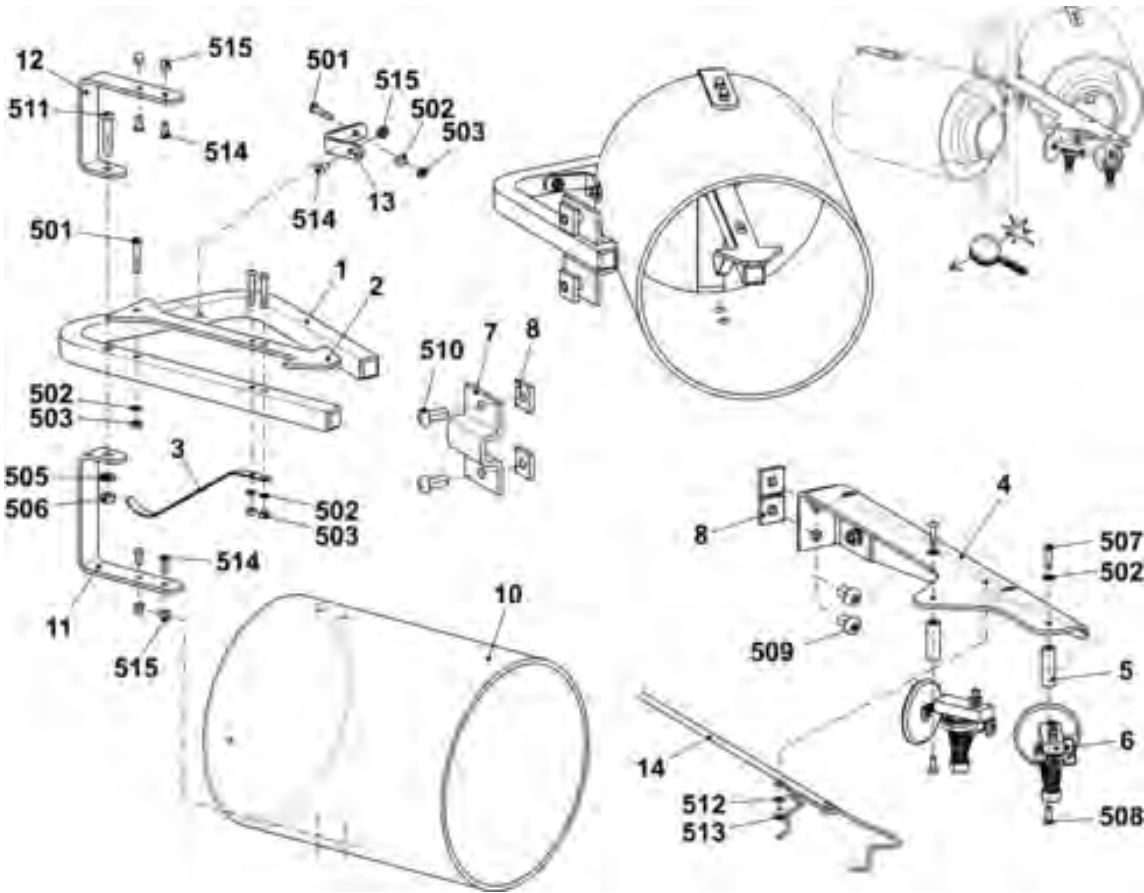
16.9 Bobbin holder on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the left	253 965	501	Pan-head screwM4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screwM4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screwM8x16	023 113
8	Slot nut	228 851	510	Pan-head screwM8x18	251 331
10	Cover	253 968	511	Pan-head screwM6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screwM4x6	022 946
13	Holding angle	253 967	514	Pan-head screwM4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



16.10 Bobbin holder on the right

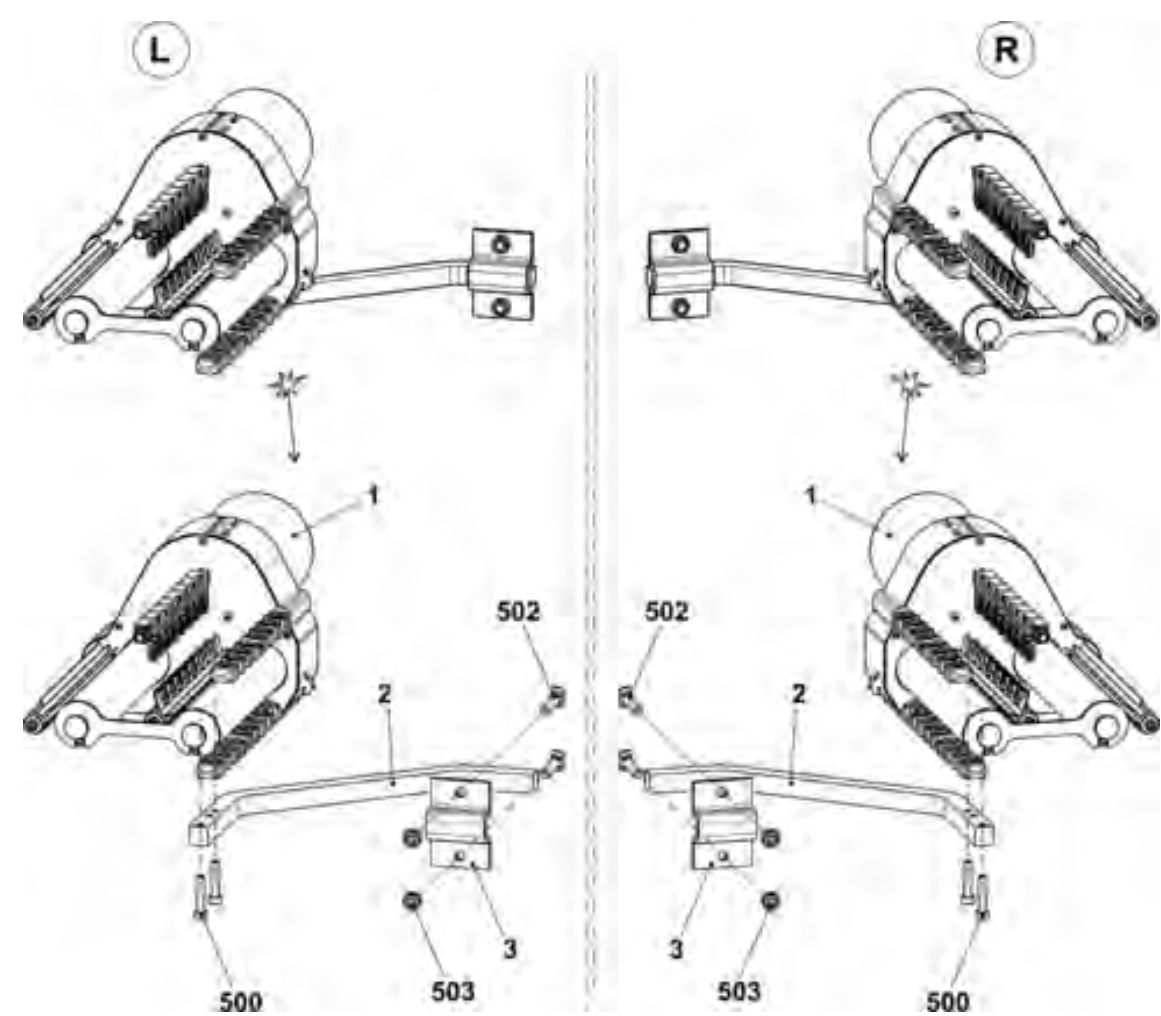
Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the right	253 966	501	Pan-head screwM4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support right	253 348	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Pan-head screwM4x16	023 412
6	Yarn detector Massardi	226 964	508	Pan-head screw M4x12	023 062
7	Clamp	228 583	509	Pan-head screwM8x16	023 113
8	Slot nut	228 851	510	Pan-head screwM8x18	251 331
10	Cover	253 968	511	Pan-head screwM6x30	023 451
11	Holding angle	253 964	512	Serrated lock washer A4,3	022 482
12	Holding angle	253 963	513	Pan-head screwM4x6	022 946
13	Holding angle	253 967	514	Pan-head screwM4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



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

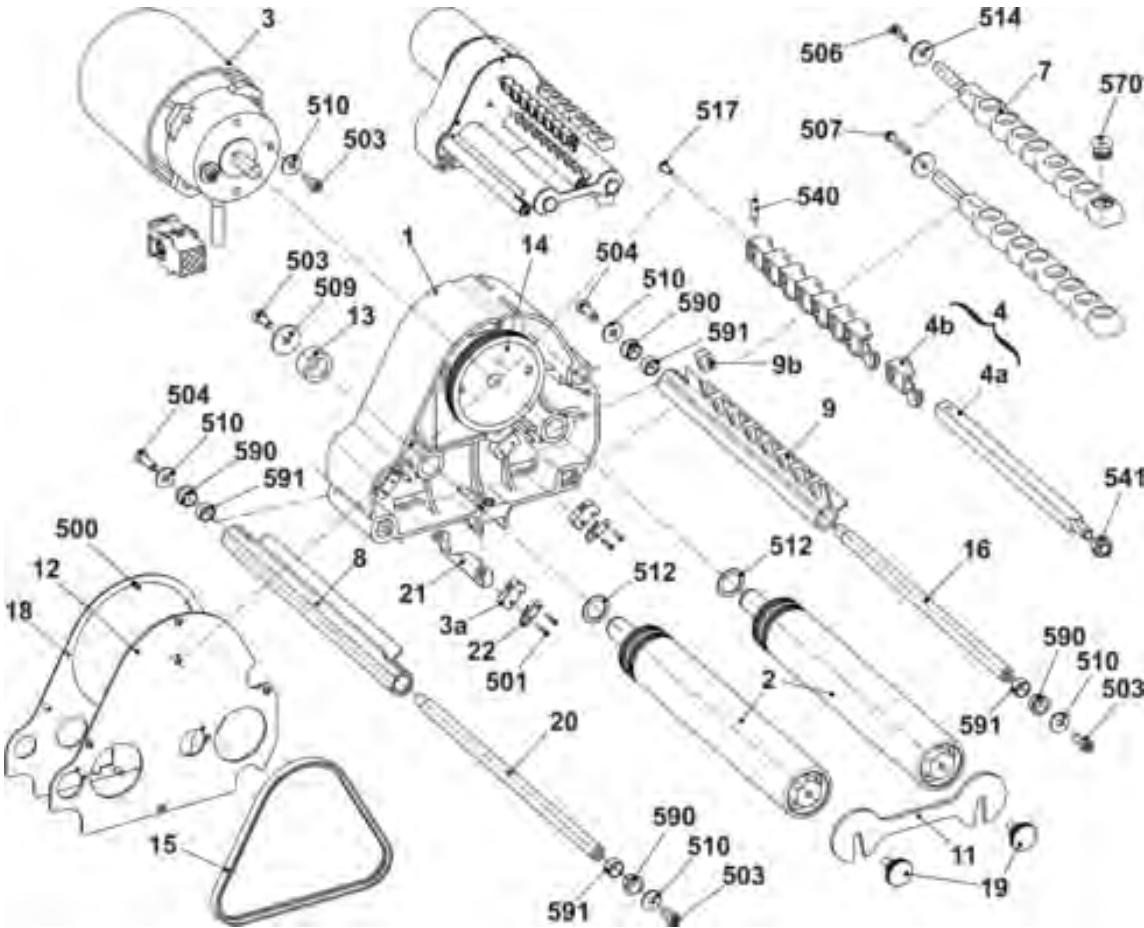
16.11 Friction feed wheel on the left and on the right complete

Pos	Designation	ID		Pos	Designation	ID
ΣL	Friction feed wheel on the left complete 933	243 767		ΣR	Friction feed wheel on the right complete 933	243 768
1	Friction feed wheel on the left	243 571		1	Friction feed wheel on the right	243 572
2	Support	223 030		2	Support	223 030
3	Clamp	228 583		3	Clamp	228 583
500	Cap screw M6x30	020 138		500	Cap screw M6x30	020 138
502	T-head bolt M8x25	022 866		502	T-head bolt M8x25	022 866
503	Hexagon nutM8	022 843		503	Hexagon nutM8	022 843



16.11.1 Left friction feed wheel

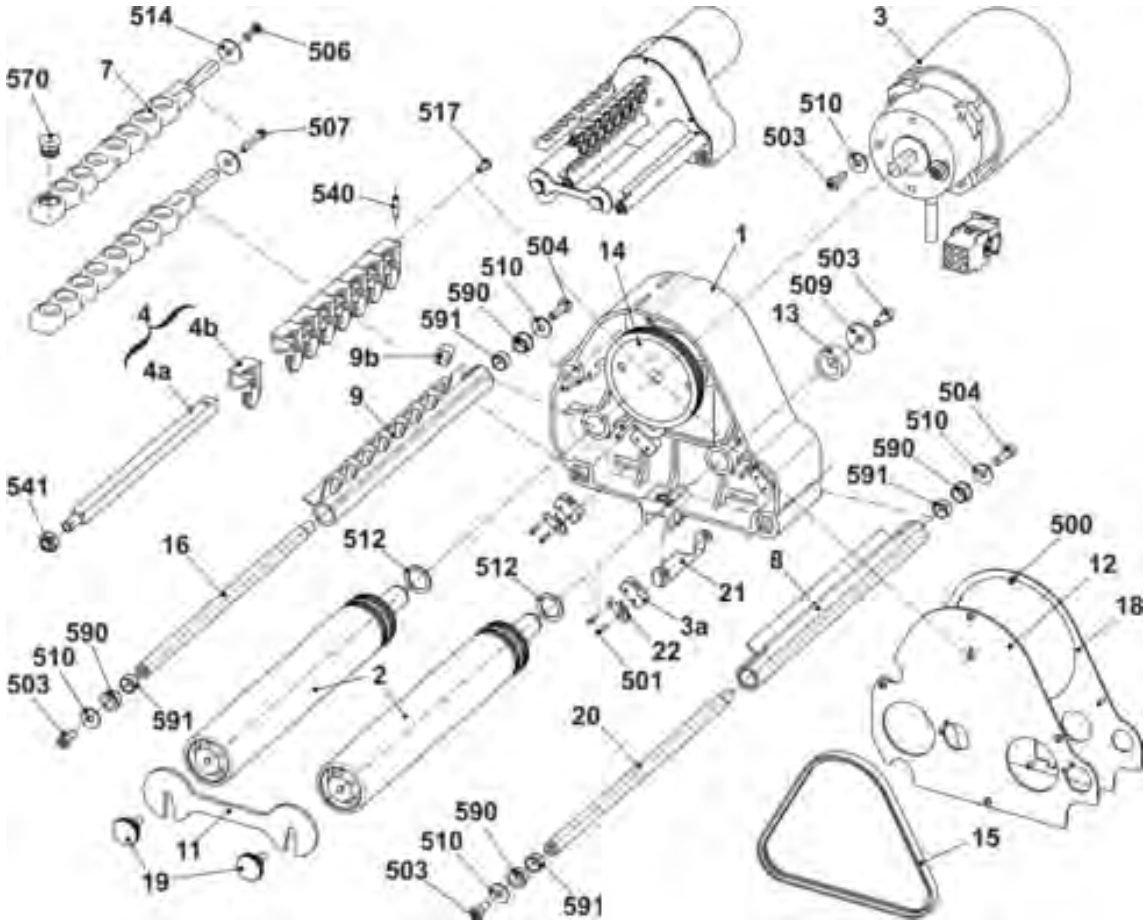
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the left complete		243 571	14	V-ribbed belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase AC motor complete		219 800	18	Cover		230 758
	3a	Microswitch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



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

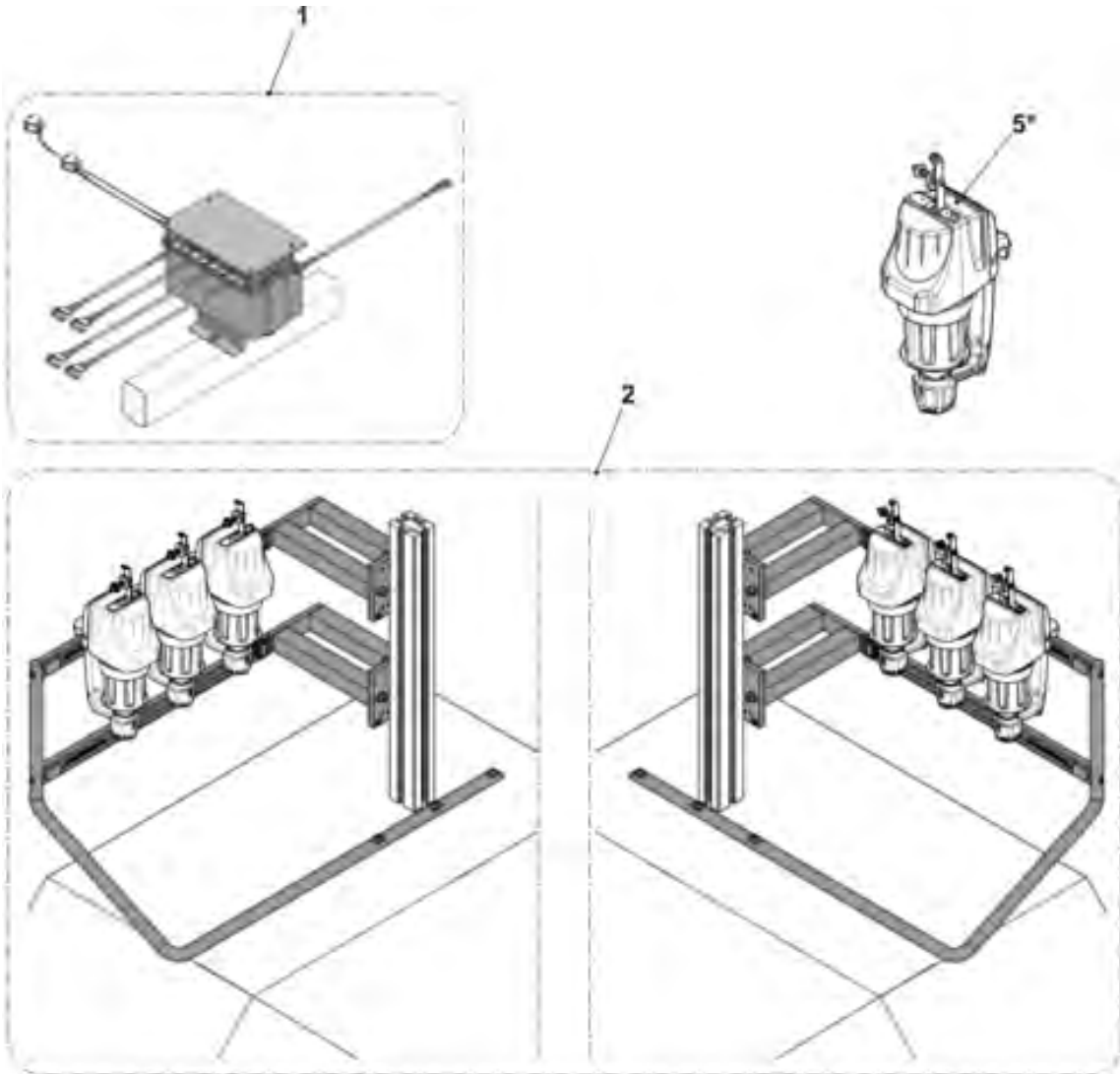
16.11.2 Right friction feed wheel

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



16.12 Storage feed wheel MSF 2

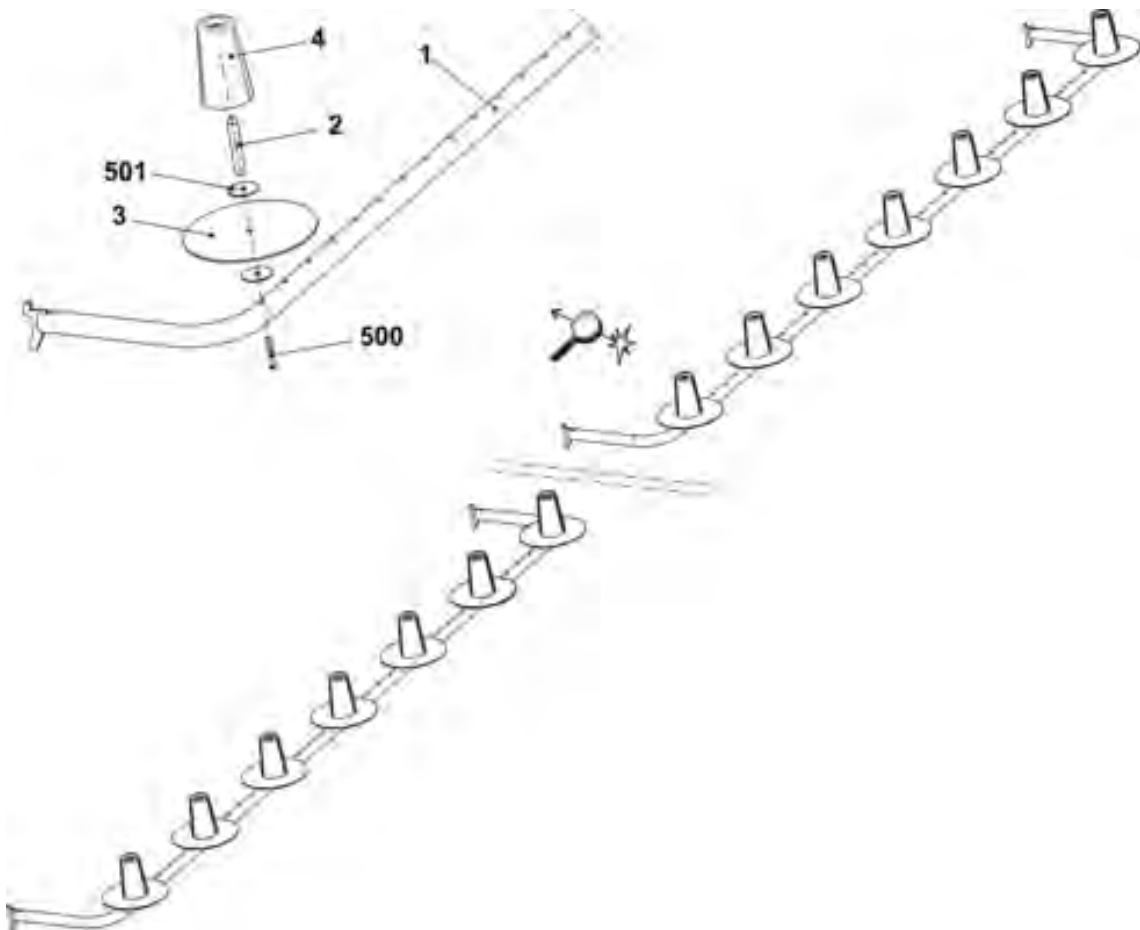
Pos	Designation	ID		Note
Σ	Attachment set storage feed wheel MSF-2	259 576		Please order the MSF-2 spare parts at: MEMMINGER-IRO GMBH Jakob-Mutz-Strasse 7 D-72280 Dornstetten Tel.: +49 (0)7443 281-0 Fax: +49 (0)7443 281-101 The item no. and the designation for the MSF-2 spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.
1	Transformer MSF-2 with cable	259 611		
2	Mounted set MSF-2 without transformer	259 614		
5*	Storage feed wheel MSF-2	259 604		



16.13 Additional bobbin board

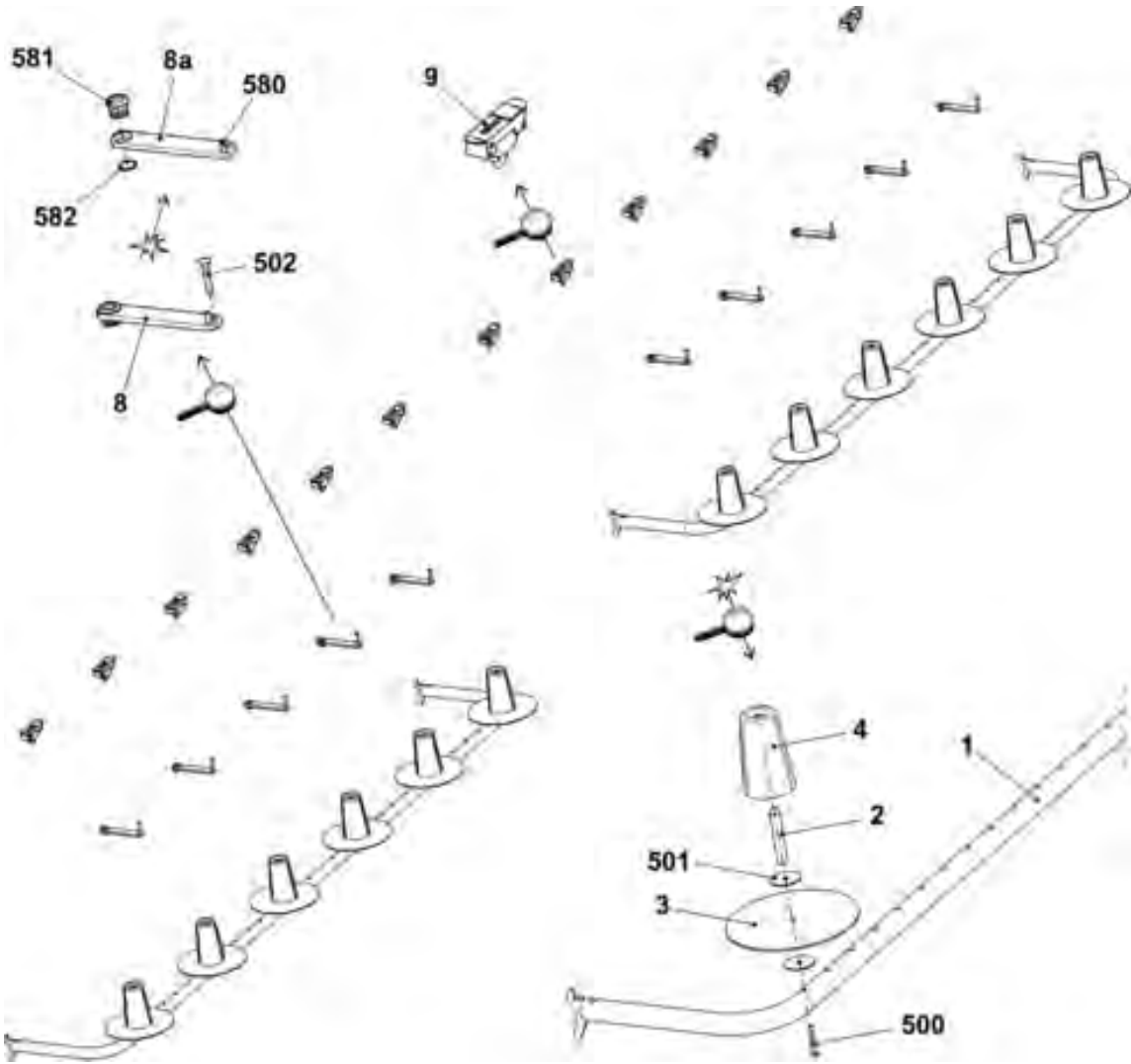
16.13 Additional bobbin board

Pos	Designation	ID		Pos	Designation	ID
Σ	Additional bobbin board	242 742				
1	Additional bobbin board welded	242 741		4	Bobbin support	200 363
2	Positioning pin	202 777		500	Pan-head screw M4x30	023 681
3	Diskø130	062 385		501	Washer5,3x30x1,25	023 556



16.14 Additional board at the bottom

Pos	Designation	ID		Pos	Designation	ID	
Σ	Additional board9XX at the bottom	253 647		502	Pan-head screw M4x25	023 511	
1	Additional bobbin board welded	253 503		8	Yarn guide		243 765
2	Positioning pin	202 777			8a	Guide part	243 623
3	Diskø130	062 385			580	Dowel 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	Washer5,3x30x1,25	023 556					
				9	Yarn guide bracket complete		241 581

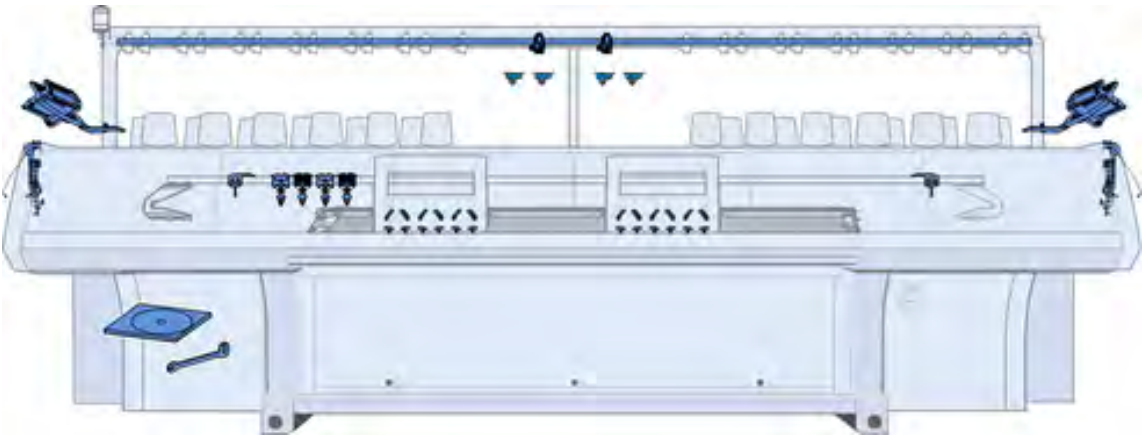


16.14 Additional board at the bottom

Notes:

17 Conversion kit with 24 and 32 IFF

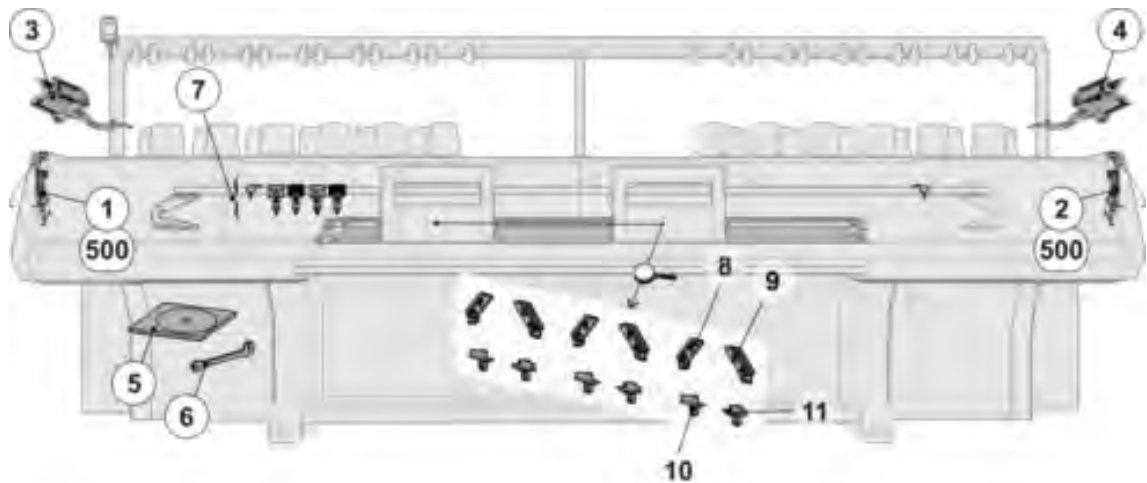
	Designation	ID
24 IFF	Conversion kit 24 IFF E5	257 620
	Conversion kit 24 IFF E7-8	257 621
32 IFF	Conversion kit 32 IFF E5	257 582
	Conversion kit 32 IFF E7-8	257 583



17.1 Overview of conversion kit with 24 and 32 IFF E5

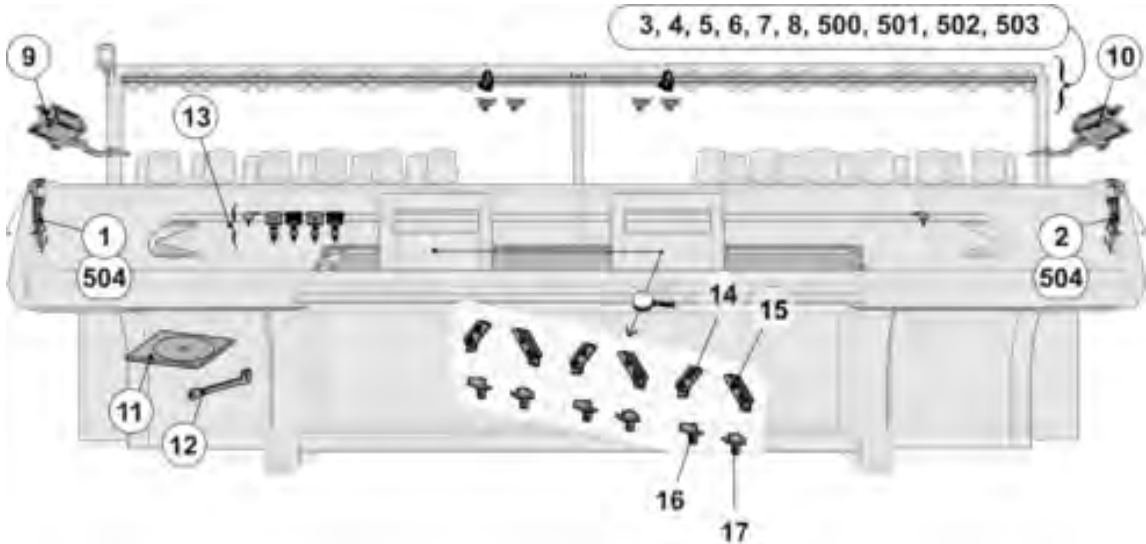
17.1 Overview of conversion kit with 24 and 32 IFF E5

Pos	Designation	ID		Pos	Designation	ID
Σ	Conversion kit 24 IFF E5	257 620				
	Conversion kit 32 IFF E5	257 582		7	Yarn guide complete E5 IFF 24	256 934
1	Yarn tensioner on the left completeE5	244 498			Yarn guide complete E5 IFF 32	245 161
2	Yarn tensioner on the right complete E5	244 501		8	Stitch cam on the left E5 short tuck	212 130
3	Friction feed wheel 16 fold on the left complete 933	254 900		9	Stitch cam on the right E5 short tuck	212 129
4	Friction feed wheel 16 fold on the right complete 933	254 901		10	Pressure part receiving on the left short tuck	240 697
5	DVD instructions conversion kit IFF	245 169		11	Pressure part receiving on the right short tuck	240 698
6	Adjusting part for yarn carrier bow	250 119		500	Screw KB60x20	237 682



17.2 Overview of conversion kit with 24 and 32 IFF E7-8

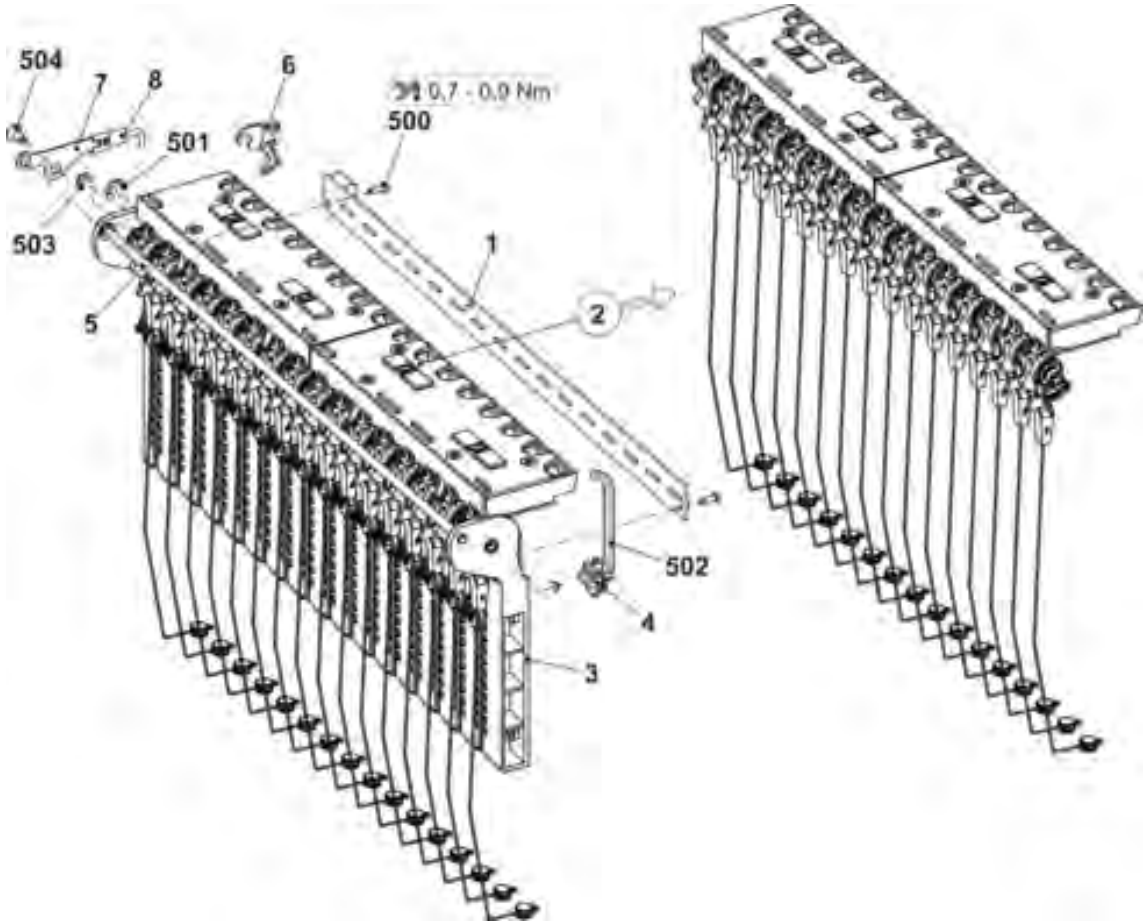
Pos	Designation	ID	Pos	Designation	ID
Σ	Conversion kit 24 IFF E7-8	257 621			
	Conversion kit 32 IFF E7-8	257 583	12	Adjusting part for yarn carrier bow	250 119
1	Yarn tensioner on the left completeE7-8	244 499	13	Yarn guide complete E7-8 IFF 24	256 935
2	Yarn tensioner on the right complete E7-8	244 502		Yarn guide complete E7-8 IFF 32	245 162
3	Yarn guide bar96"-933	242 431	14	Stitch cam on the left E7-8 short tuck	212 057
4	Support on the left	243 609	15	Stitch cam on the right E7-8 short tuck	212 056
5	Support on the right	243 610	16	Pressure part receiving on the left short tuck	240 697
6	Support	243 766	17	Pressure part receiving on the right short tuck	240 698
7	Yarn control device	237 124	500	Self-locking screw M6x12	023 415
8	Yarn guide bracket complete	241 581	501	Serrated nut M6-10	023 414
9	Friction feed wheel 16 fold on the left complete 933	254 900	502	Square nut M8	023 269
10	Friction feed wheel 16 fold on the right complete 933	254 901	503	Pan-head screw M8x16	023 113
11	DVD instructions conversion kit IFF	245 169	504	Screw KB60x20	237 682



17.3 Yarn tensioner on the left

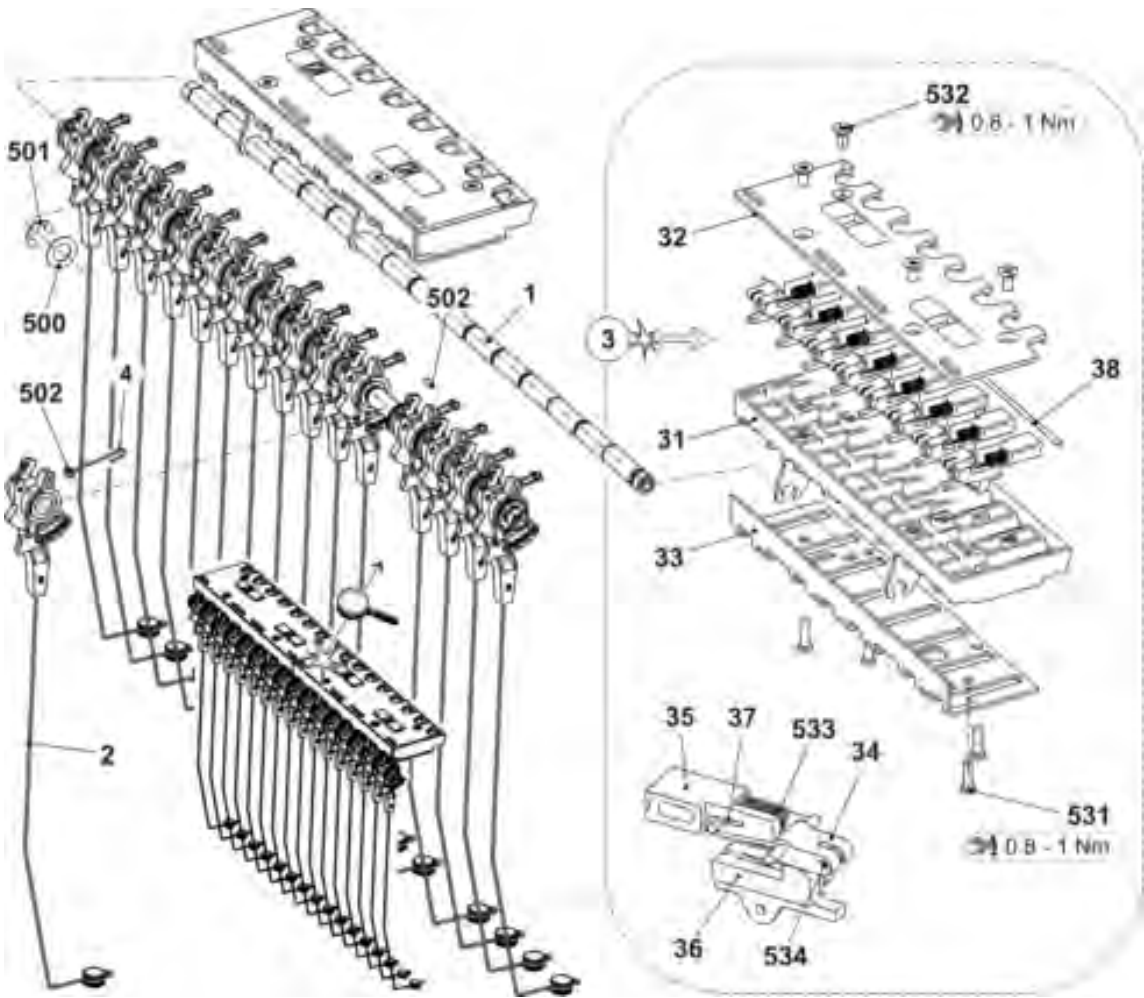
17.3 Yarn tensioner on the left

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	244 499		8	Ground cable yarn tensioner okc	243 105
1	Card yarn tensioner 16-fold on the left	241 345		500	Screw KB30x8	236 228
2	Tension axle completeE3-8	244 494		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 5,05x0,55x53 (E3-5)	023 502
4	Slider	241 694			Tension spring 4,9x0,5x53 (E7-8)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x10	241 914



17.3.1 Tension axle

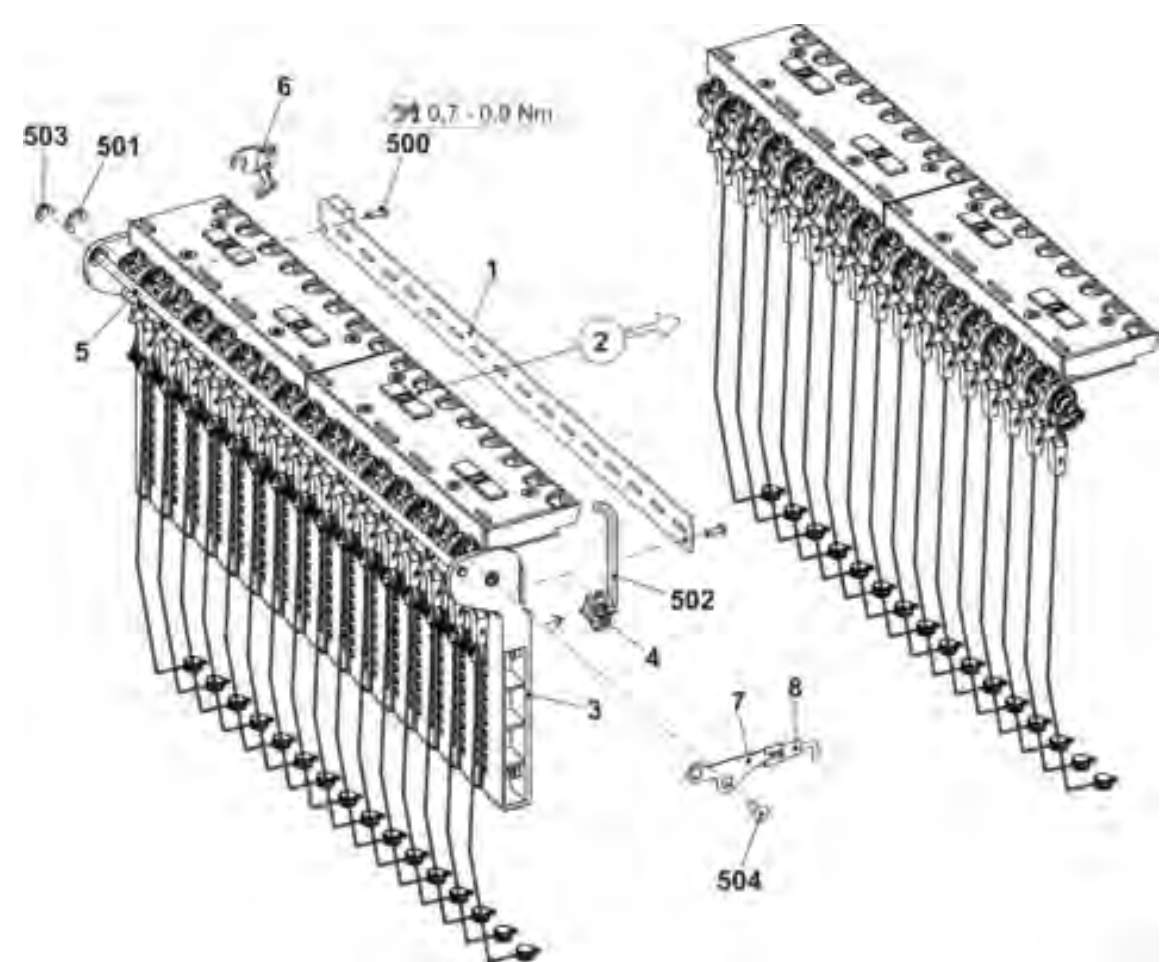
Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle completeE3-8	244 494		33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	244 522		34	Lever AKF	238 692
2	Tension arm pre-assembledE3-8	259 448		35	Pressure piece AKF	238 690
4	Wire bow	238 694		36	SliderAKF	238 691
500	Shim ring 8x14x0,5	023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



17.4 Yarn tensioner on the right

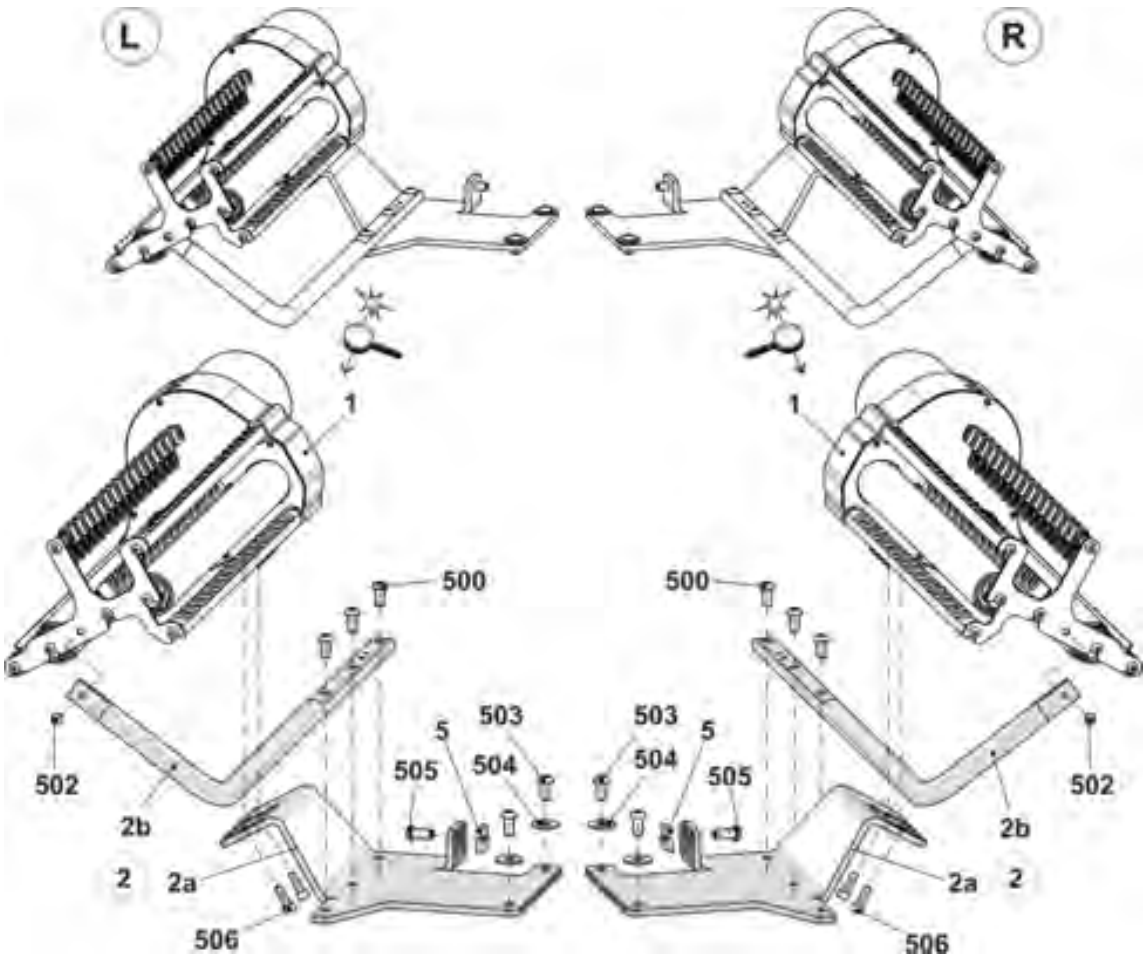
17.4 Yarn tensioner on the right

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



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

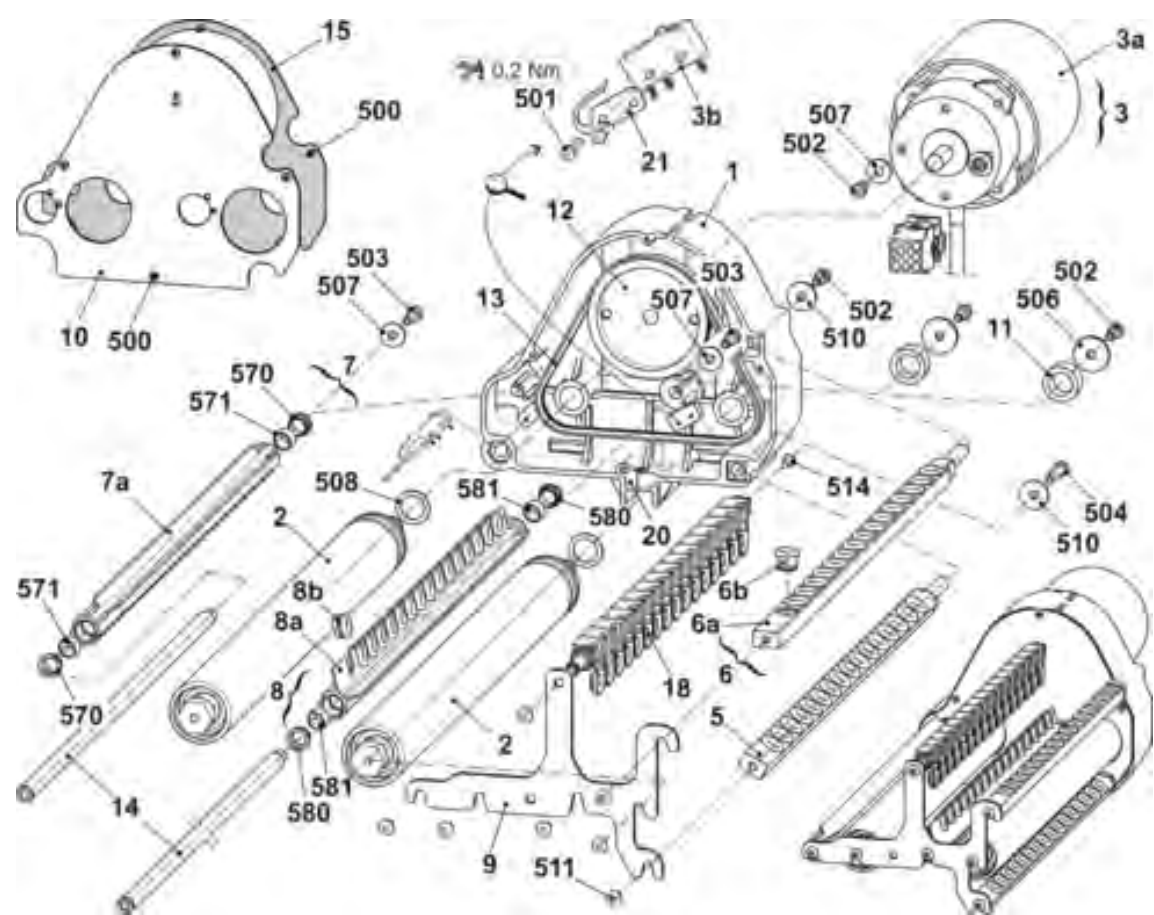
Pos	Designation		ID		Pos	Designation		ID
Σ L	Friction feed wheel 16 fold on the left complete		254 900		Σ R	Friction feed wheel 16 fold on the right complete		254 901
1	Friction feed wheel on the left		244 185		1	Friction feed wheel on the right		244 186
2	Support of left feed wheel 16 fold		254 534		2	Support of right feed wheel 16 fold		254 533
	2a	Support of left feed wheel 16 fold	253 841			2a	Support of right feed wheel 16 fold	253 842
	2b	Support of table on the left	244 560			2b	Support of table on the right	244 561
	500	Pan-head screw M8x16	023 113			500	Pan-head screw M8x16	023 113
5	Slot nut		228 851		5	Slot nut		228 851
502	Pan-head screw M5x8		239 408		502	Pan-head screw M5x8		239 408
503	Pan-head screw M8x16		023 113		503	Pan-head screw M8x16		023 113
504	Washer		023 248		504	Washer		023 248
505	Pan-head screw M8x18		251 331		505	Pan-head screw M8x18		251 331
506	Cap screw M6X16		020 135		506	Cap screw M6X16		020 135



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

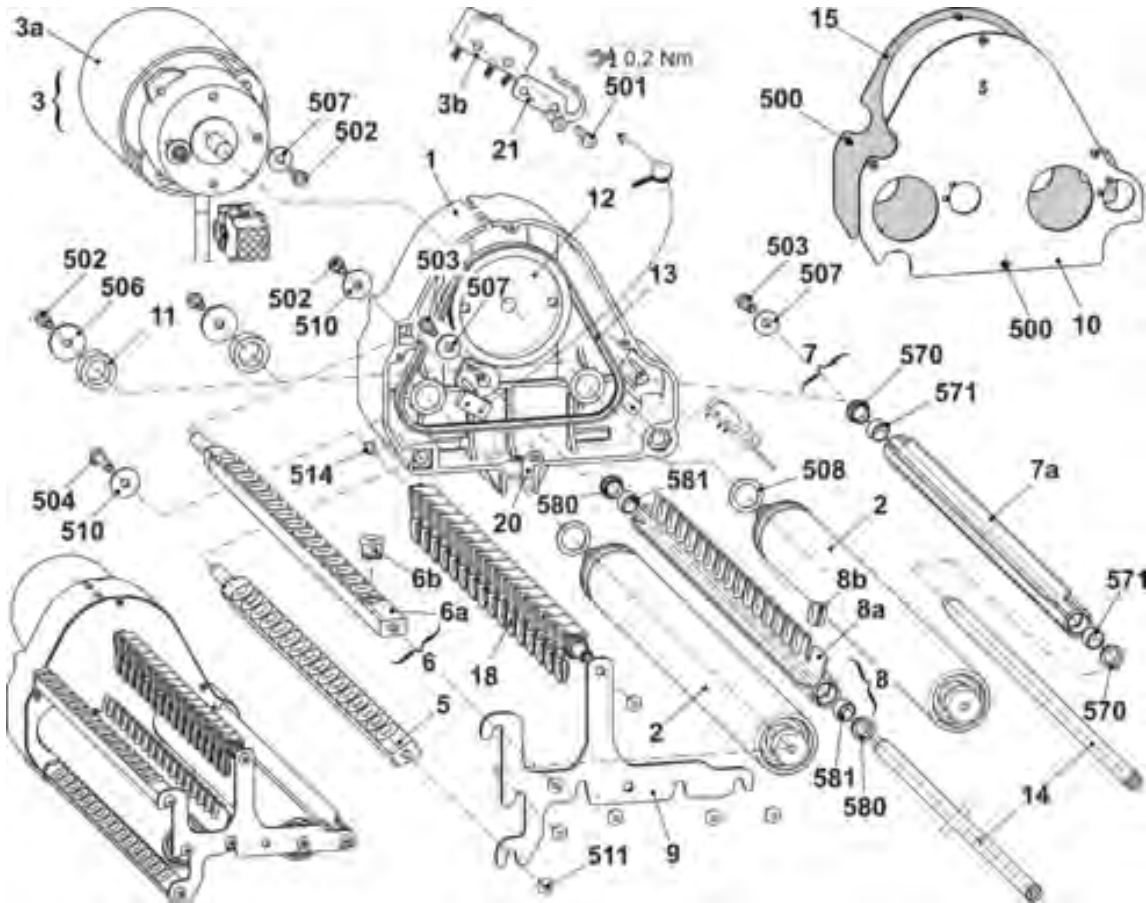
17.5.1 Friction feed wheel on the left

Pos	Designation		ID		Pos	Designation		ID
Σ	Friction feed wheel 16 fold on the left complete		244 185		10	Cover		251 098
1	Housing		240 368		11	Bush		221 391
2	Friction roller complete		243 860		12	V-ribbed belt pulley		221 268
3	Three-phase AC motor 3x42V complete		219 800		13	Ribbed V-belt		206 927
	3a	Three-phase AC motor	220 161		14	Rod		243 868
	3b	Microswitch	008 664		15	Cover		230 758
5	Yarn guide rod 16-fold complete		244 576		18	Deflector complete 16-fold		250 102
6	Yarn guide rod 16-fold complete		244 578		20	Grounding plate		256 622
	6a	Yarn guide rod 16-fold	244 577		21	Spring plate		256 702
	6b	Ceramic eyelet	240 640		500	Screw KB30x8		236 228
7	Stop motion rail on the right complete		243 863		501	Screw M20x10		244 736
	7a	Stop motion rail on the right	243 864		502	Cap screwM5x12		020 132
	570	Slide bearing GFM-101214-07	023 627		503	Cap screwM5x16		022 726
	571	Guide piece	259 453		504	Cap screwM5x25		023 523
8	Stop motion rail on the left complete		243 865		506	Washer5,3x22x2,5		023 219
	8a	Stop motion rail on the left	243 866		507	Washer5		020 901
	8b	Eyelet	230 662		508	Shim ring 15x21x1		023 216
	580	Slide bearing GFM-101214-07	023 627		510	Washer5		023 542
	581	Guide piece	259 453		511	Pan-head screwM5x8		239 408
9	Bracket		251 113		514	Pan-head screwM4x8		023 579



17.5.2 Friction feed wheel on the right

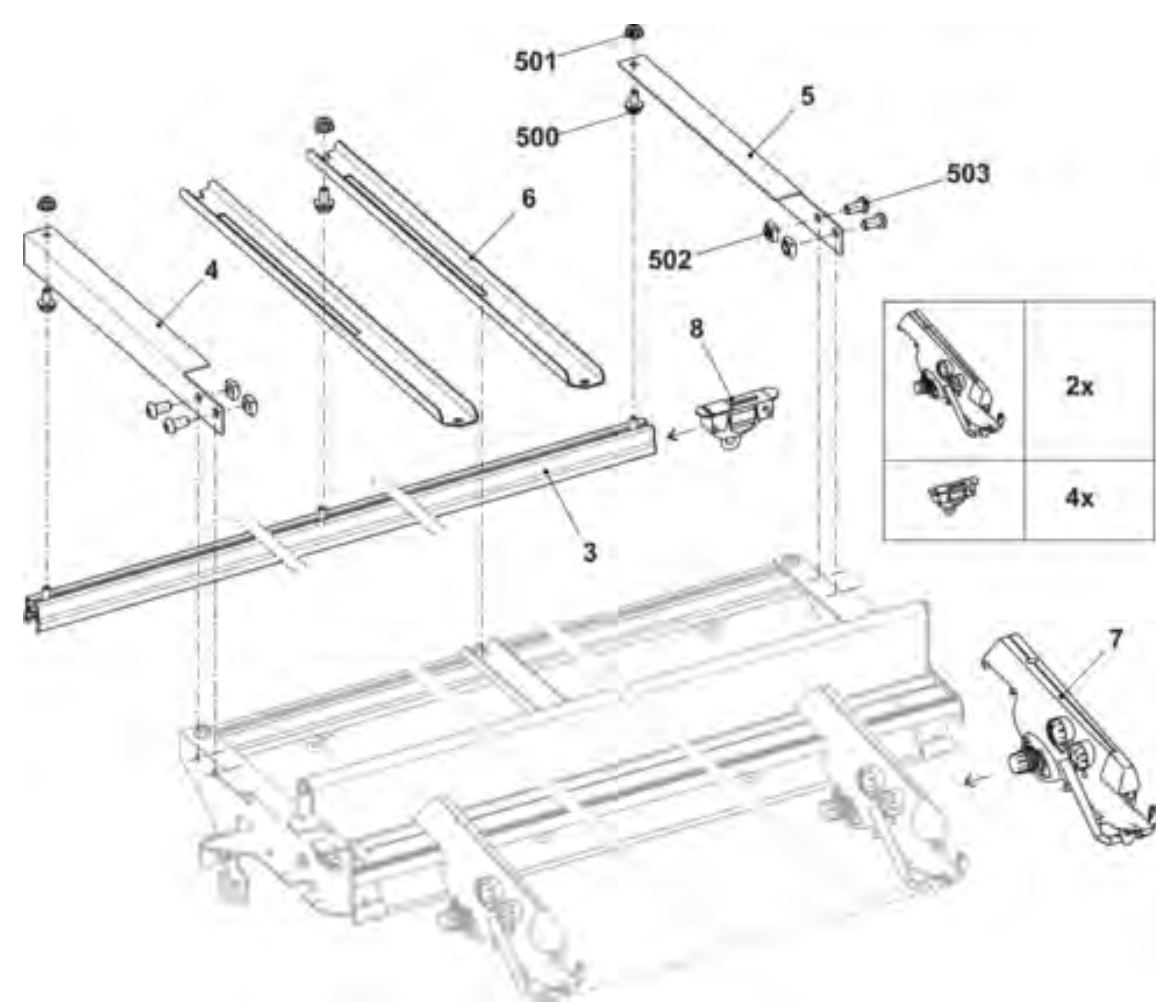
Pos	Designation	ID	Pos	Designation	ID
Σ	Friction feed wheel 16 fold on the right complete	244 186	10	Cover	251 098
1	Housing	240 368	11	Bush	221 391
2	Friction roller complete	243 860	12	V-ribbed belt pulley	221 268
3	Three-phase AC motor 3x42V complete	219 800	13	Ribbed V-belt	206 927
	3a Three-phase AC motor	220 161	14	Rod	243 868
	3b Microswitch	008 664	15	Cover	230 758
5	Yarn guide rod 16-fold complete	244 772	18	Deflector complete 16-fold	250 102
6	Yarn guide rod 16-fold complete	244 578	20	Grounding plate	256 622
	6a Yarn guide rod 16-fold	244 577	21	Spring plate	256 702
	6b Ceramic eyelet	240 640	500	Screw KB30x8	236 228
7	Stop motion rail on the right complete	243 863	501	Screw M20x10	244 736
	7a Stop motion rail on the right	243 864	502	Cap screwM5x12	020 132
	570 Slide bearing GFM-101214-07	023 627	503	Cap screwM5x16	022 726
	571 Guide piece	259 453	504	Cap screwM5x25	023 523
8	Stop motion rail on the right complete	244 530	506	Washer5,3x22x2,5	023 219
	8a Stop motion rail on the right	244 531	507	Washer5	020 901
	8b Eyelet	230 662	508	Shim ring 15x21x1	023 216
	580 Slide bearing GFM-101214-07	023 627	510	Washer5	023 542
	581 Guide piece	259 453	511	Pan-head screwM5x8	239 408
9	Bracket	251 113	514	Pan-head screwM4x8	023 579



17.6 Parts for the yarn guide system E7-8

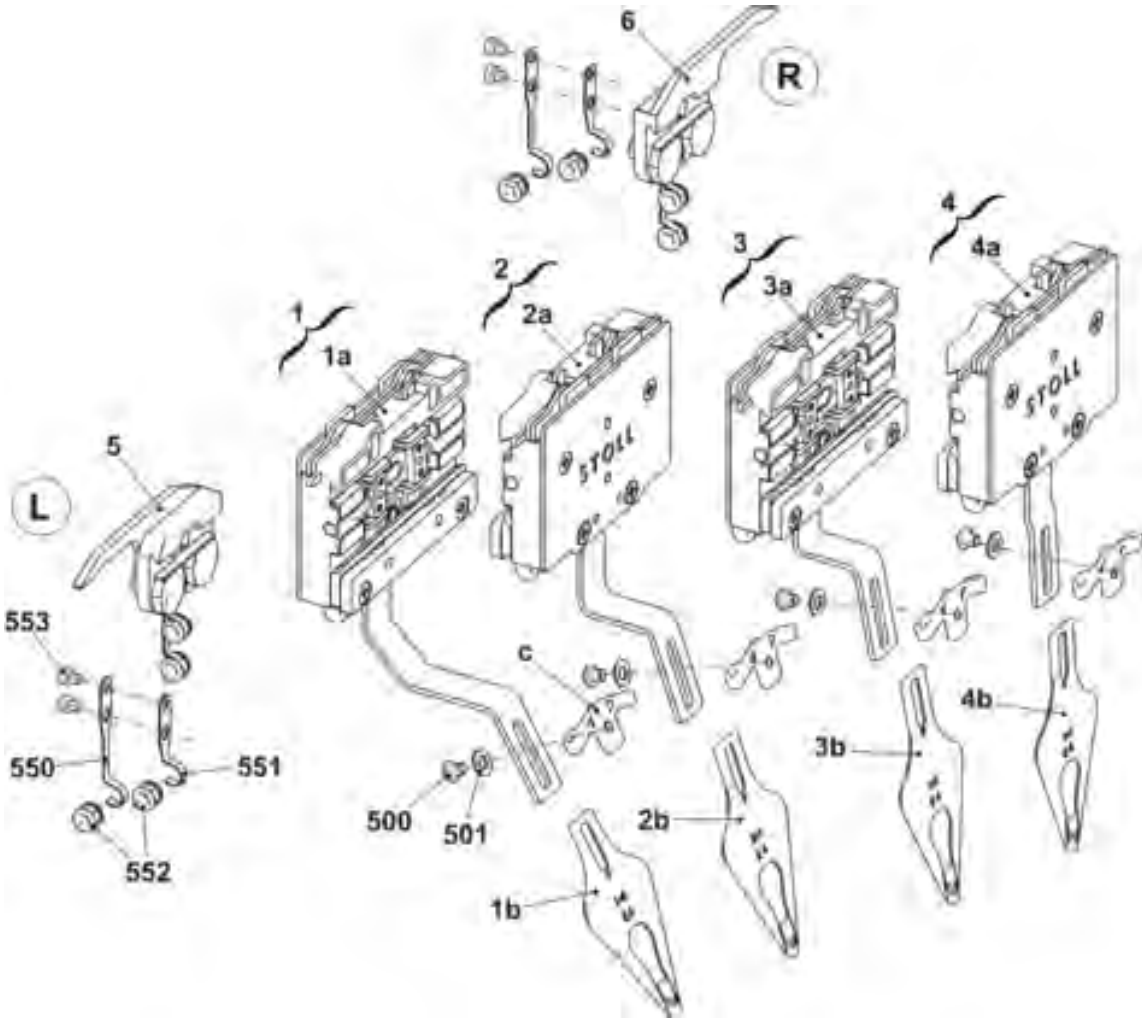
17.6 Parts for the yarn guide system E7-8

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn guide system					
3	Yarn guide bar96" - 933	242 431		7	Yarn guide bracket complete	241 581
4	Support on the left	243 609		500	Self-locking screw M6x12	023 415
5	Support on the right	243 610		501	Serrated nut M6-10	023 414
6	Support	243 766		502	Square nut M8	023 269
7	Yarn control device	237 124		503	Pan-head screw M8x16	023 113



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

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



17.8 Yarn guide complete IFF E7 | E8

Pos	Designation		ID		Pos	Designation		ID
Σ	Yarn guide complete E7-8 IFF 24		256 935					
	Yarn guide complete E7-8 IFF 32		245 162					
1	IFF carriage complete 1+8 E7-8		259 736		5	Limiter on the left with two eyelets		244 446
	1a	IFF carriage 1+8	259 728			550	Eyelet holder complete	022 324
	1b	Yarn carrier head 1+8 complete E7-8	244 082			551	Eyelet holder complete	022 323
2	IFF carriage complete 2+7 E7-8		259 737	552		Eyelet 4,2	021 499	
	2a	IFF carriage 2+7	259 729	553		Cap screwM3,5x4	020 011	
	2b	Yarn carrier head 2+7 complete E7-8	244 083	6	Limiter on the right with two eyelets		244 445	
3	IFF carriage complete 3+6 E7-8		259 738		c	Yarn guide angle		242 863
	3a	IFF carriage 3+6	259 730		500	Pan-head screw M4x5		239 549
	3b	Yarn carrier head 3-6 complete E7-8	244 084		501	Washer4		020 870
4	IFF carriage complete 4+5 E7-8		259 739					
	4a	IFF carriage 4+5	259 731					
	4b	Yarn carrier head 3-6 complete E7-8	244 084					

