

Spare-parts catalog

CMS 933 (Type 771)

Component type 003

E10|E12|E14|E16|E12m.10|E6.2|E7.2|E8.2

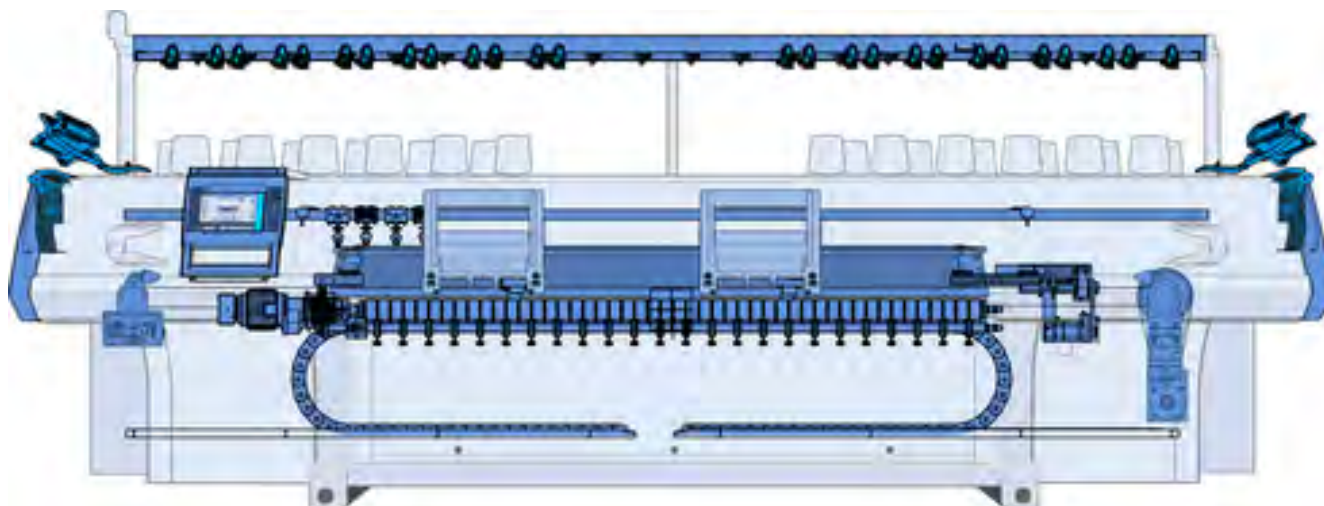


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1 Introduction

Imprint

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

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Notes for the order

This catalog serves to order spare parts.

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

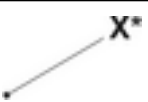
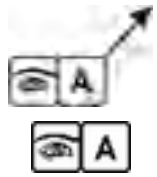
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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

Only genuine STOLL spare parts may be used for repairs.

1.1 Search help

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

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

1.2 Torques

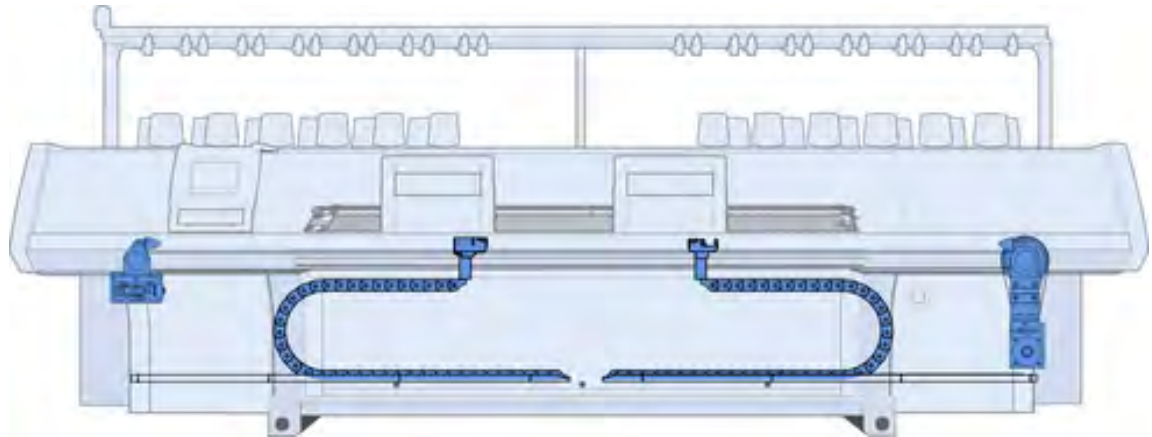
Drehmomente Torques Couples Coppias Momentos de rotación		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clasas de resistencia		
[Nm] ± 10 % (für $\mu_{\text{ges}} = 0,12$)		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filatto regolatore Filete regulador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

Preferential row of screw torques

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

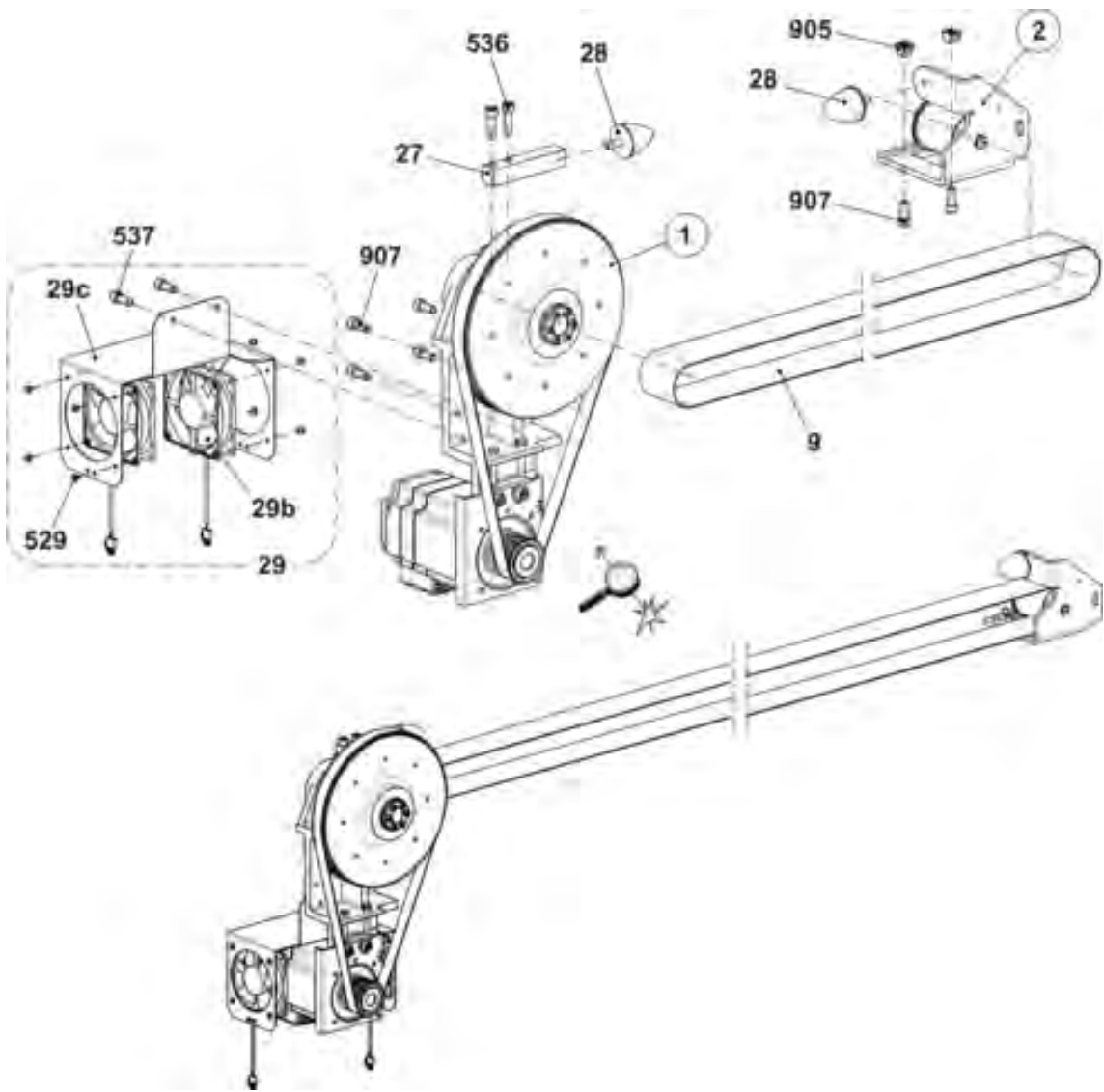
Notes:

2 Carriage drive



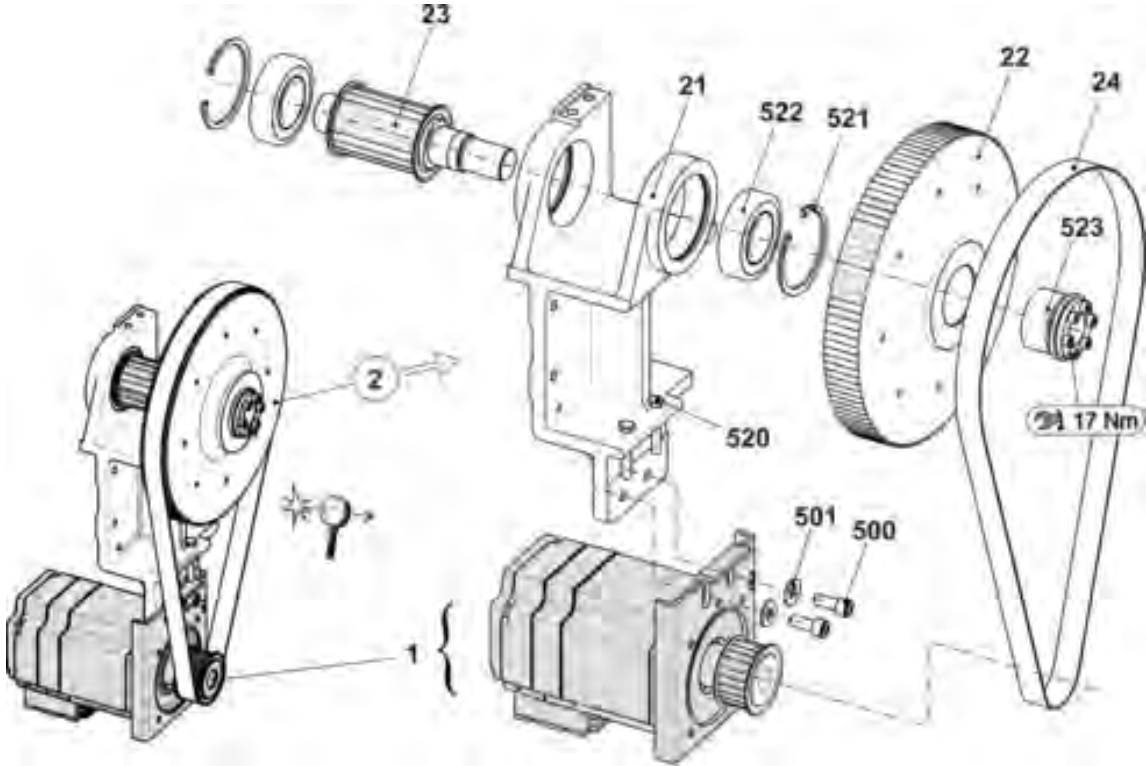
2.1 Drive

Pos	Designation	ID	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. GrossOrder-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

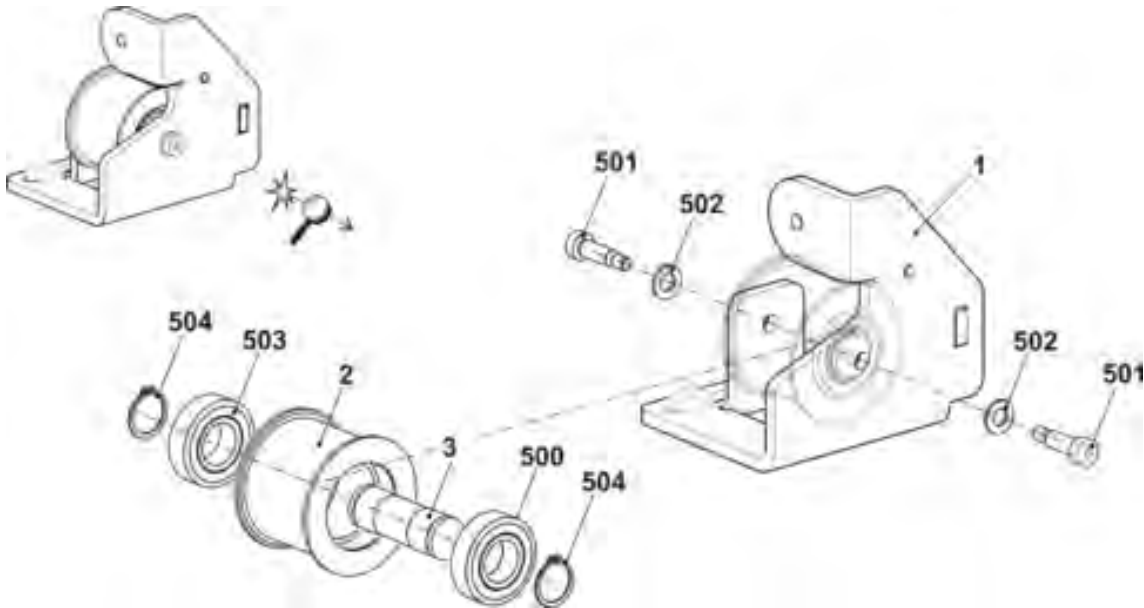
Pos	Designation	ID		Pos	Designation	ID
Σ	Drive unit complete	242 380				
1	Drive unit	258 190		520	Hexagon screw M8x50	020 364
2	Drive bearing	242 378		521	Retaining ring80x2,5	023 461
21	Housing drive bearing	242 344		522	Grooved ball bearing 6307-2RS	023 462
22	Timing belt pulley115 S8M 250	240 639		523	Tension set 30x55	023 208
23	PinionAT10 Z=20	216 587		500	Cap screw M10x25	020 157
24	Toothed belt250 HP-S8M 1312	240 646		501	Disk10,5x25x2,5	022 178



2.1 Drive

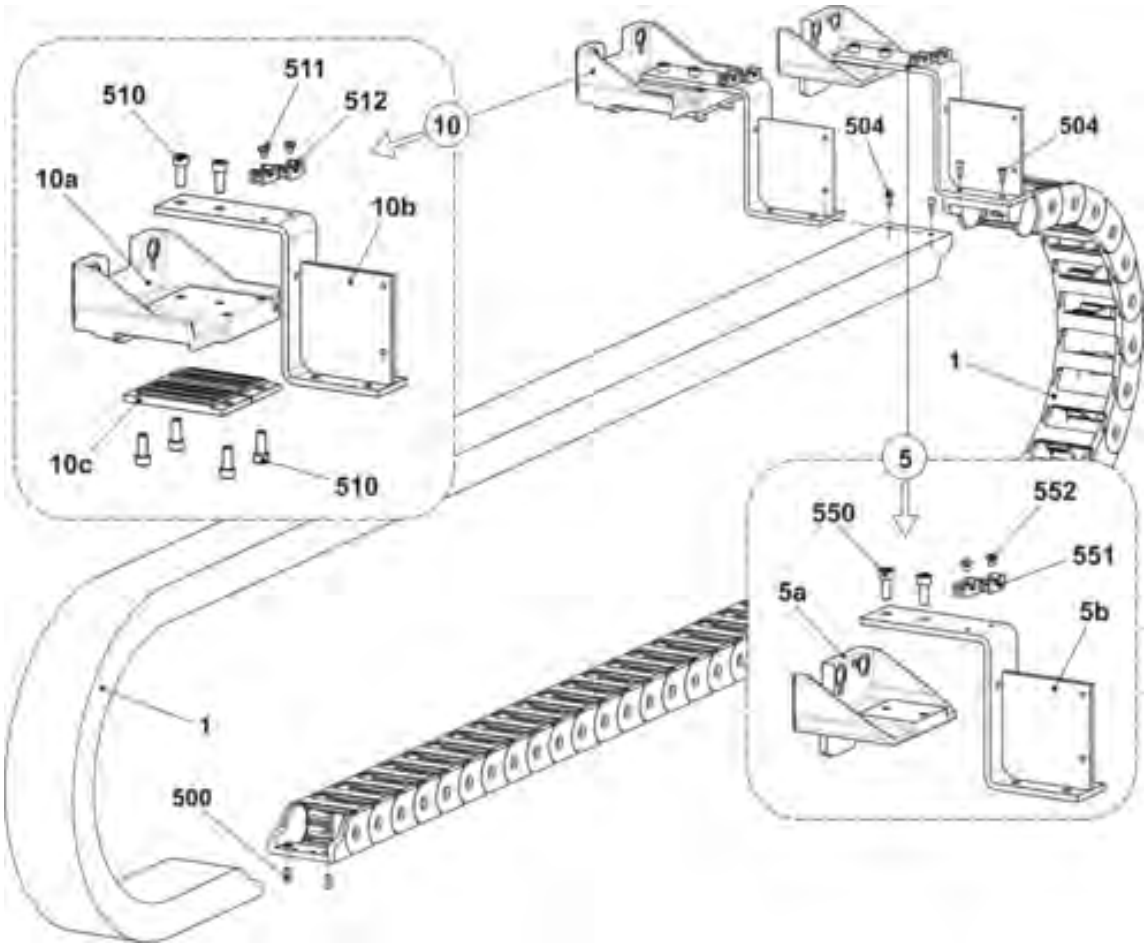
2.1.2 Tension bearing

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 bearing 6305-2RS	255 686
3	Axle	253 613		504	Retaining ring25x1,2	251 617



2.2 Energy chain and plunger

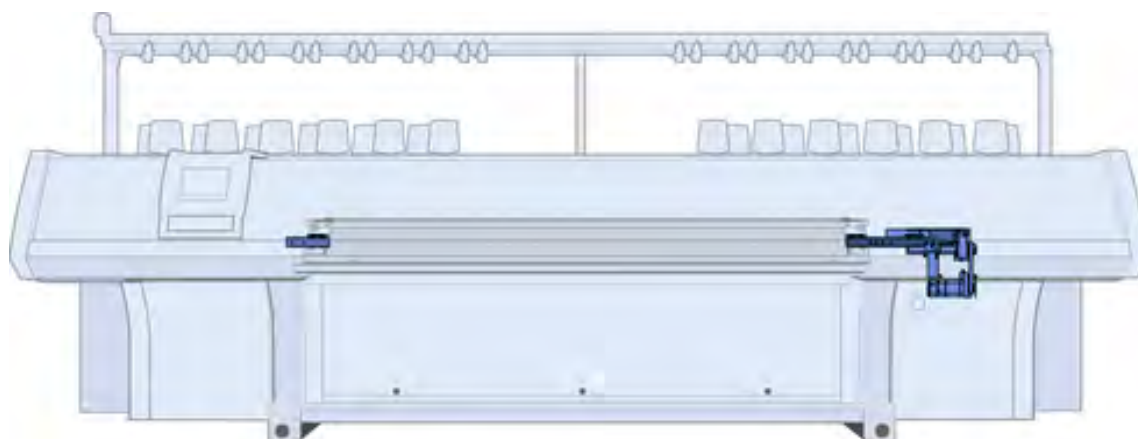
Pos	Designation	ID		Pos	Designation	ID
1	Energy chain 45 links	220 389		10	Carriage driver complete	242 743
500	Cap screw M6x8	023 411		10a	Carriage driver	242 738
5	Stop point complete	242 774		10b	Cable driver	242 730
5a	Stop point	242 753		10c	Clamping plate	232 493
5b	Cable driver	242 730		510	Cap 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:

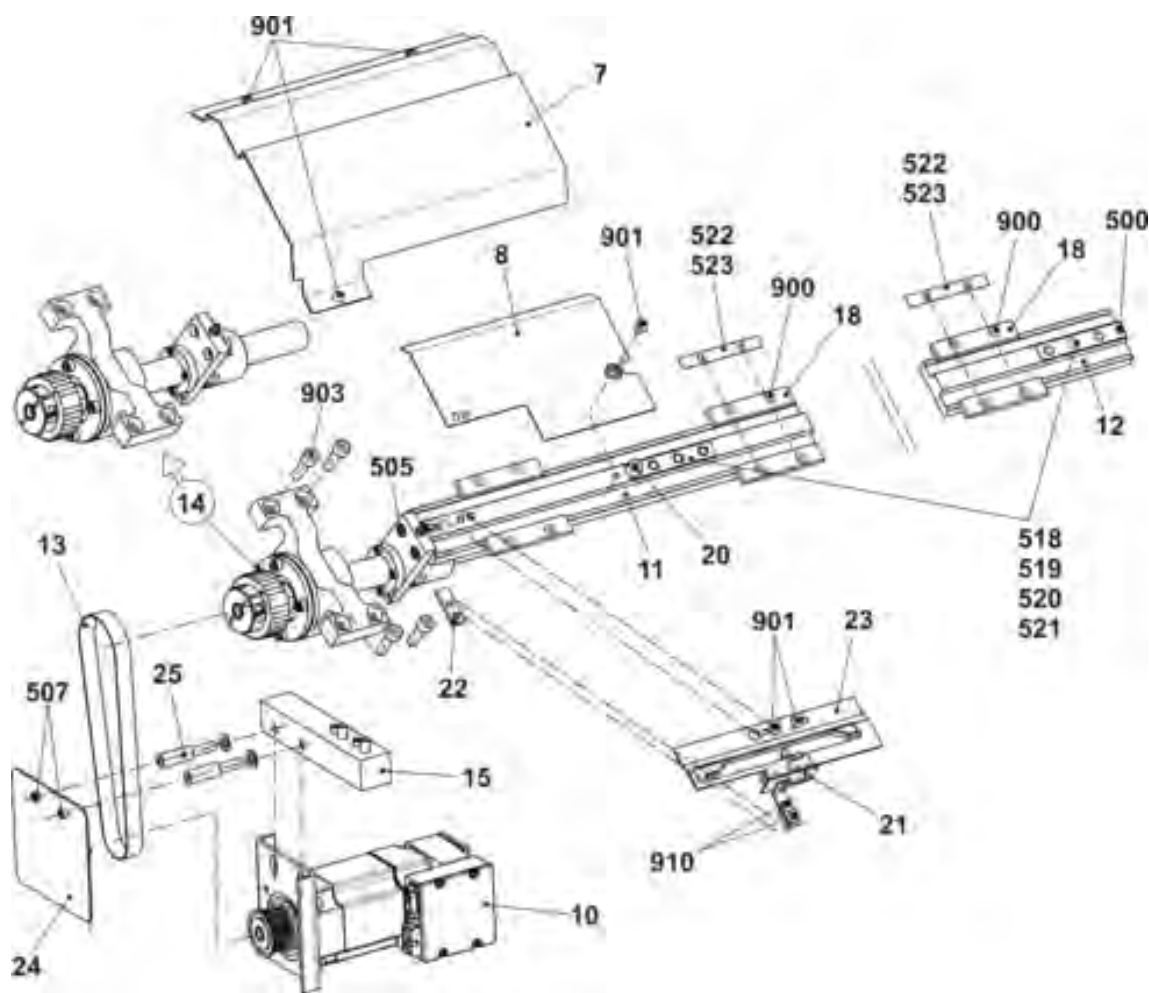
3 Racking



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



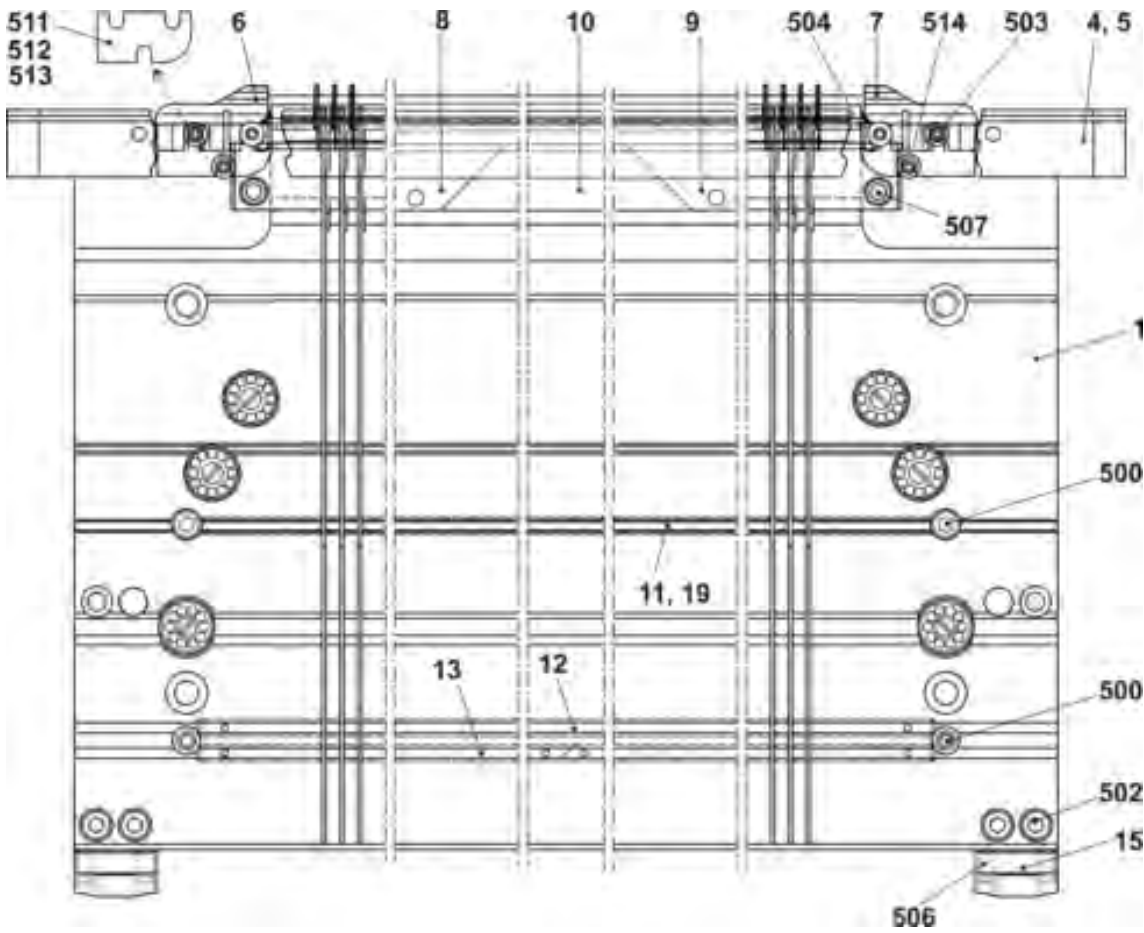
4 Needle beds



4.1 Needle bed E10

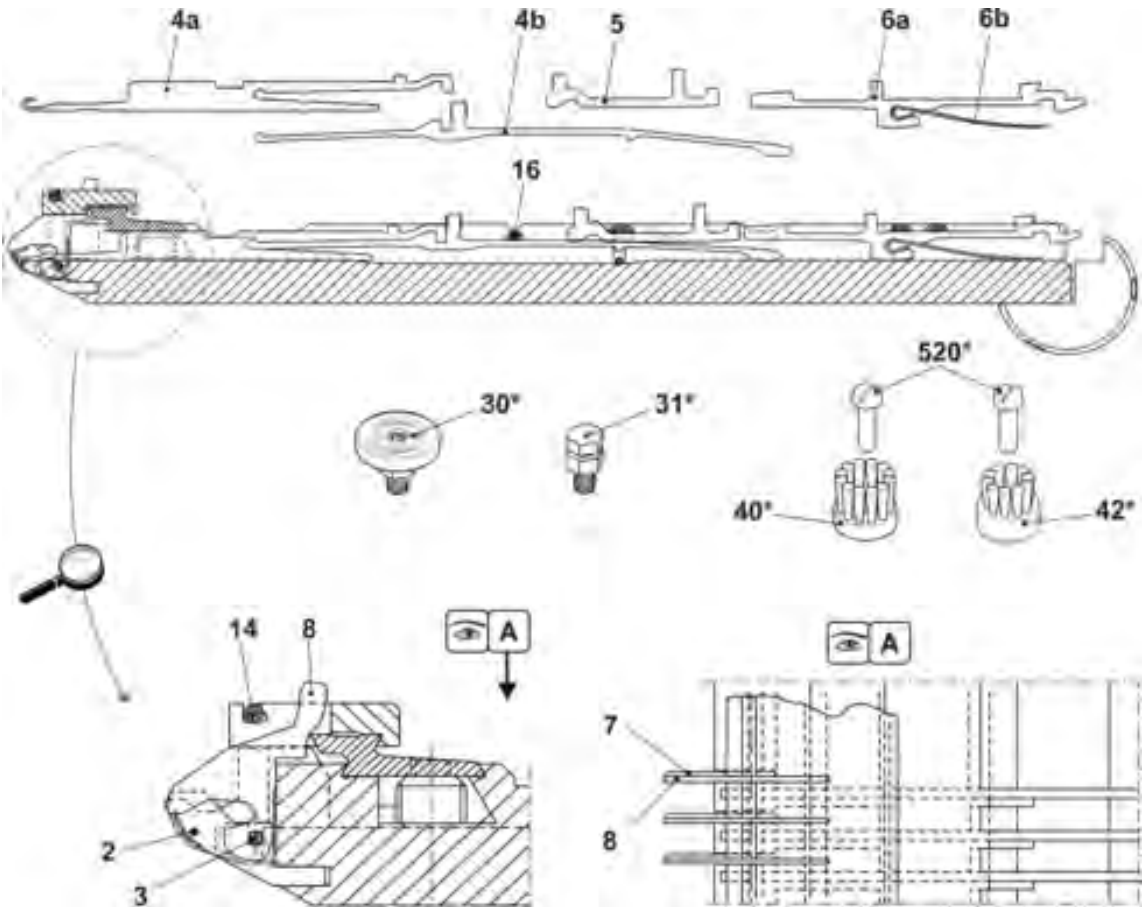
4.1 Needle bed E10

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE10	256 586		15	Support	206 352
1	Needle bed at the front + rearE10	256 531		19	Cover rail at the rear	210 979
4	Holding-down jack bed at the front E10	211 041		500	Cap screw M5x10	022 918
5	Holding-down jack bed at the rear E10	211 048		502	Cap screw M6x25	020 137
6	Limiter on the left E10-14	205 764		503	Cap screw M5x8-8.8	023 154
7	Limiter on the right E10-14	205 765		504	Cap screw M5x22	023 193
8	Needle bar on the left	205 311		506	Setscrew M6x12-45	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 front E10	210 985		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 E10

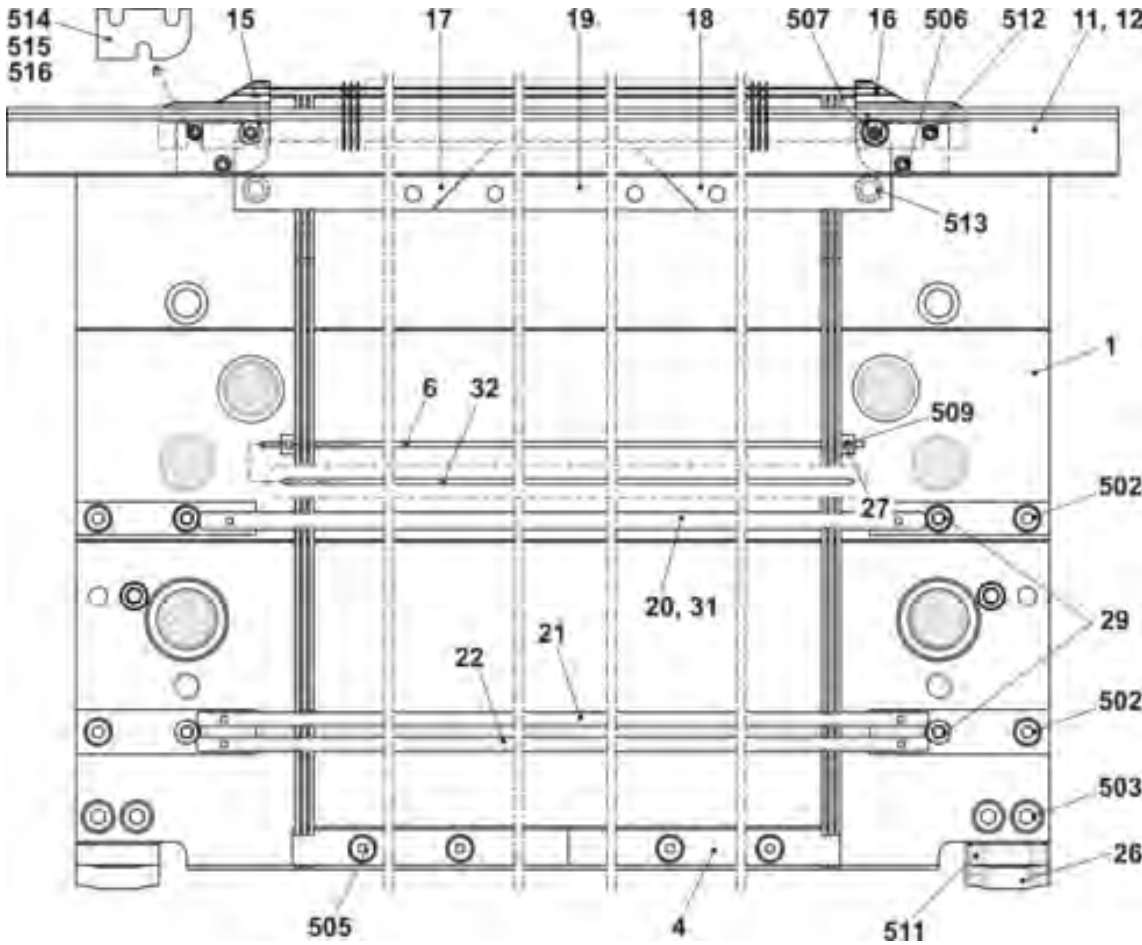
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E10	256 586				
2	Spring steel wire ø0,6	210 969		8	Holding-down jack trick wallE10	239 815
3	Spring steel wire ø2,0	210 972		14	Locating wire ø2,8	210 974
4a	Needle E10 with round hook	205 398		16	Spring steel wire ø2,8	212 173
4b	Coupling part E10-12	253 382		30*	Adjusting piece	206 375
5	Intermediate slider with brake E10	255 535		31*	Set screw complete	207 712
6a	Selection jack E10-12	200 688		40*	Disk brush	235 612
6b	Selector spring E10-12	200 691		42*	Disk brush	202 600
7	Knock-over bit E10	239 756		520*	Cap screw M5x12	020 032



4.2 Needle bed E12

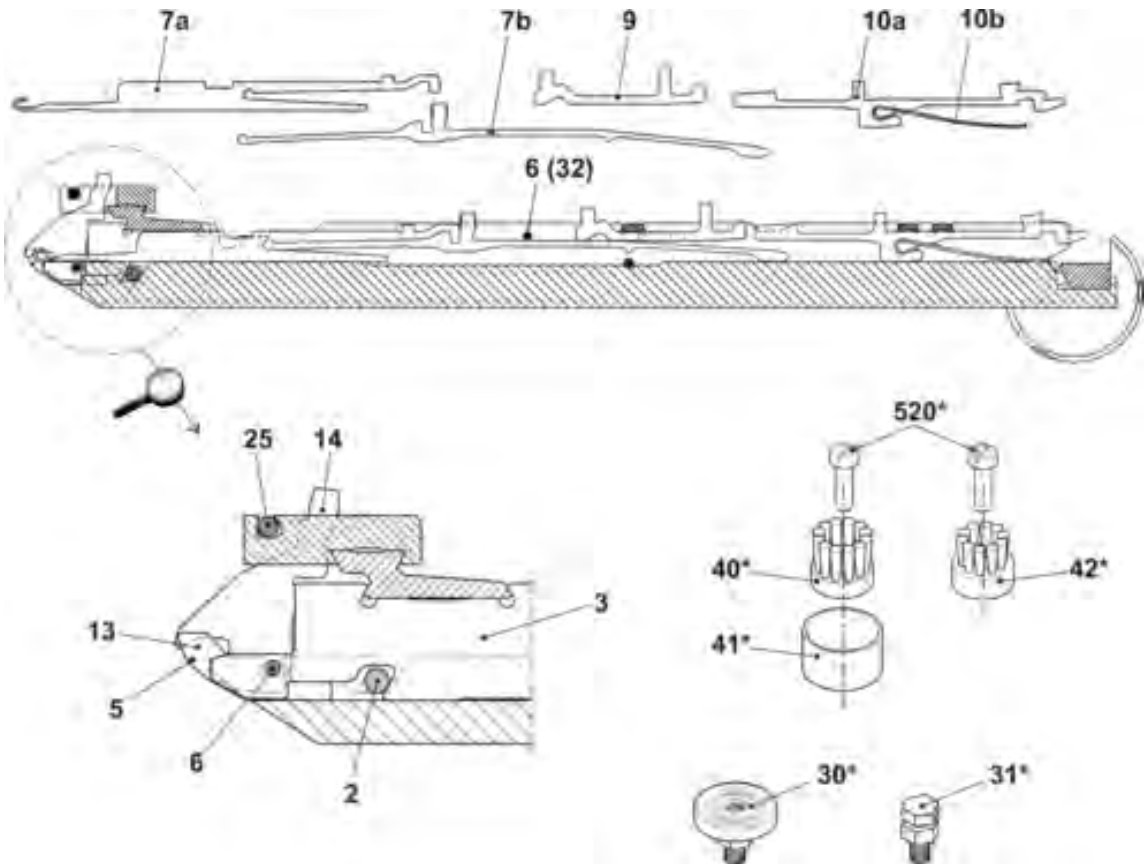
4.2 Needle bed E12

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE12	255 784				
1	Needle bed at the front + rearE12	255 796		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	251 095		32	Spring steel wire ø2,0	210 973
11	Holding-down jack bed at the front E12	211 042		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E12	211 049		503	Cap screw M6x14	022 658
15	Limiter on the left E10-14	205 764		505	Cap screw M5x8	023 379
16	Limiter on the right E10-14	205 765		506	Cap screw M5x12-8.8	022 943
17	Needle bar on the left	205 311		507	Cap screw M5x22	023 193
18	Needle bar on the right	205 312		509	Setscrew Iso4766-M3,5x3-1	020 512
19	Needle bar	210 977		511	Setscrew Iso4026-M6x12-45	022 400
20	Cover rail at the front E12	210 986		512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978		513	Springy thrust piece B-M10	023 177
22	Cover rail	210 980		514	Shim0,05x18,5x34	023 196
26	Support	206 352		515	Shim0,1x18,5x34	023 197
27	Bush	206 090		516	Shim0,2x18,5x34	023 253



4.2.1 Continuation needle bed E12

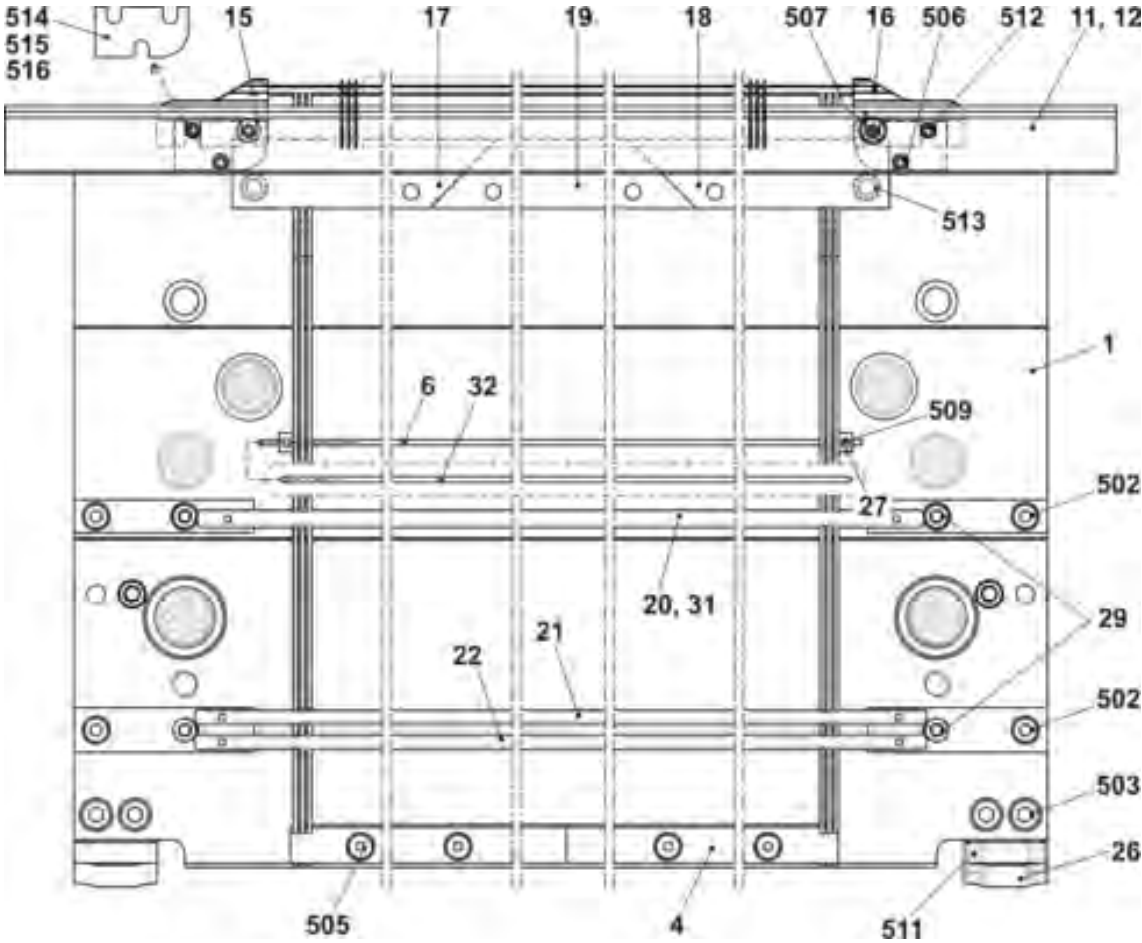
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE12	255 784		13	Knock-over bit E12	259 212
2	Locating wire ø3,4	210 975		14	Holding-down jack trick wallE12	259 213
3	Main trick wall E12	260 343		25	Locating wire ø2,8	210 974
5	Spring steel wire ø0,6	210 969		32	Spring steel wire ø2,0	210 973
6	Spring steel wire ø2,0	251 095		30*	Adjusting piece	206 375
7a	Needle E12	204 009		31*	Set screw complete	207 712
7b	Coupling part E10-12	253 382		40*	Disk brush	235 612
9	Intermediate slider with brake E10-12	255 535		41*	Container disk brush	233 012
10a	Selection jack E10-12	200 688		42*	Disk brush	202 600
10b	Selector spring E10-12	200 691		520*	Cap screw M5x12	020 032



4.3 Needle bed E14

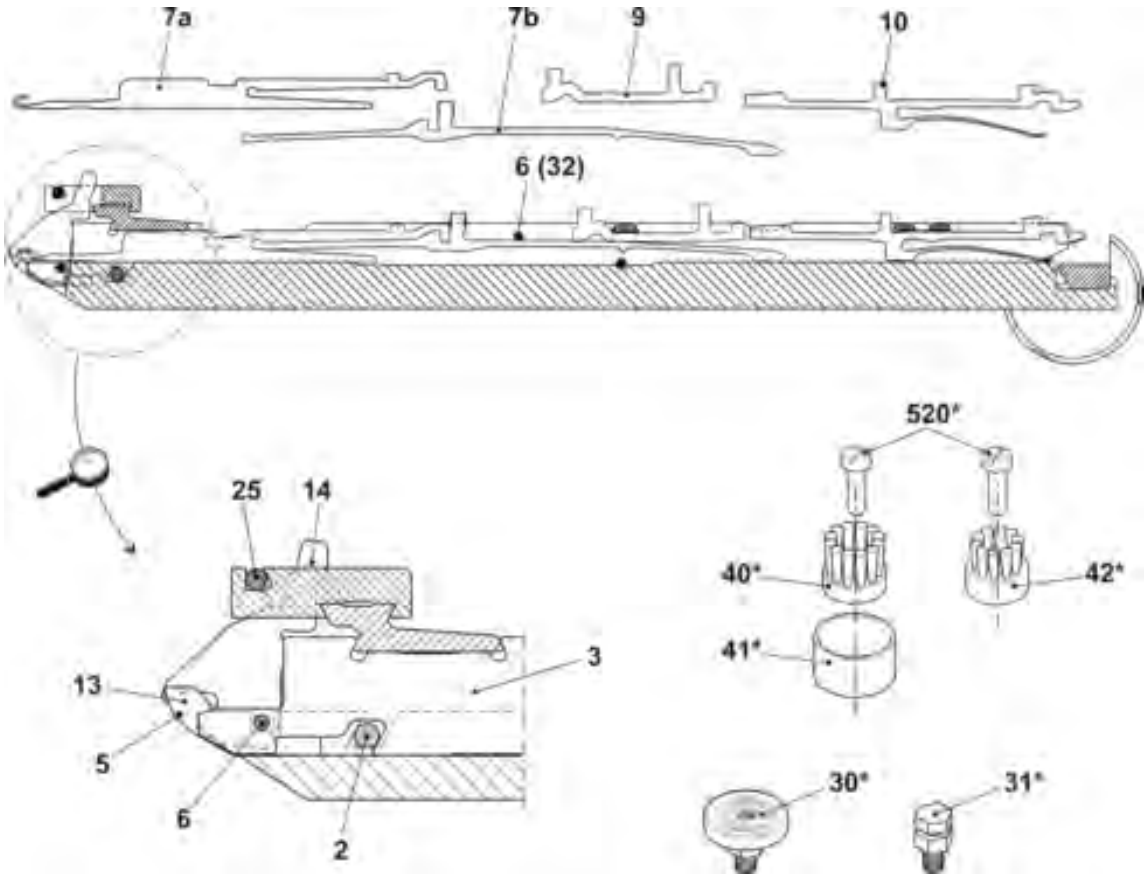
4.3 Needle bed E14

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE14	256 587				
1	Needle bed at the front + rearE14	255 797		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	251 095		32	Spring steel wire ø2,0	210 973
11	Holding-down jack bed at the front E14	211 043		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E14	211 050		503	Cap screw M6x14	022 658
15	Limiter on the left E10-14	205 764		505	Cap screw M5x8	023 379
16	Limiter on the right E10-14	205 765		506	Cap screw M5x12-8.8	022 943
17	Needle bar on the left	205 311		507	Cap screw M5x22	023 193
18	Needle bar on the right	205 312		509	Setscrew M3,5x3-1	020 512
19	Needle bar	210 977		511	Setscrew I6x12-45	022 400
20	Cover rail at the front E14	210 987		512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978		513	Springy thrust piece B-M10	023 177
22	Cover rail	210 980		514	Shim0,05x18,5x34	023 196
26	Support	206 352		515	Shim0,1x18,5x34	023 197
27	Bush	206 090		516	Shim0,2x18,5x34	023 253



4.3.1 Continuation needle bed E14

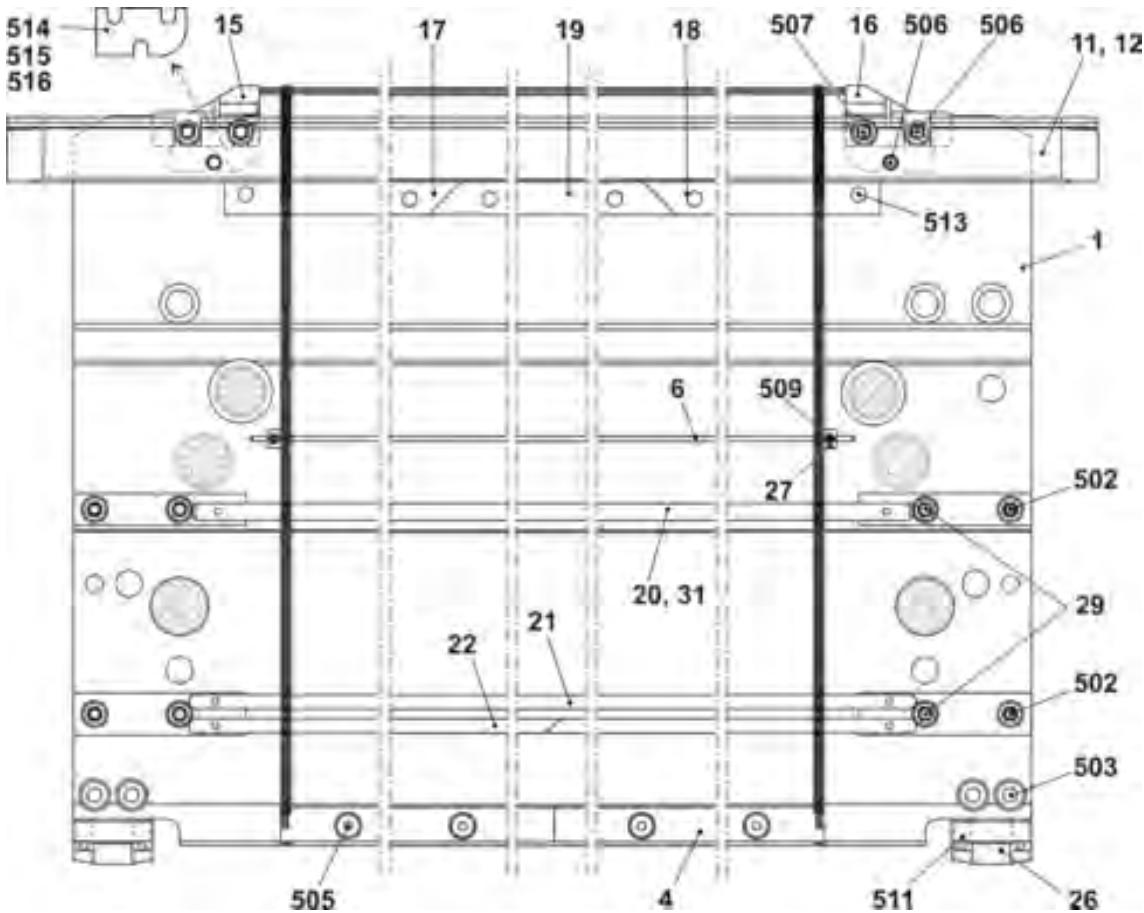
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E14	256 587		14	Holding-down jack trick wallE14	235 262
2	Locating wire ø3,4	210 975		25	Locating wire ø2,8	210 974
3	Main trick wall E14	260 344		32	Spring steel wire ø2,0	210 973
5	Spring steel wire ø0,6	210 969		30*	Adjusting piece	206 375
7a	Needle E14	209 614		31*	Set screw complete	207 712
7b	Coupling part E14	253 383		40*	Disk brush	235 612
9	Intermediate slider with brake E14	255 536		41*	Container disk brush	233 012
10	Selection jack with spring E14	224 725		42*	Disk brush	202 600
13	Knock-over bit E12	209 649		520*	Cap screw M5x12	020 032



4.4 Needle bed E16

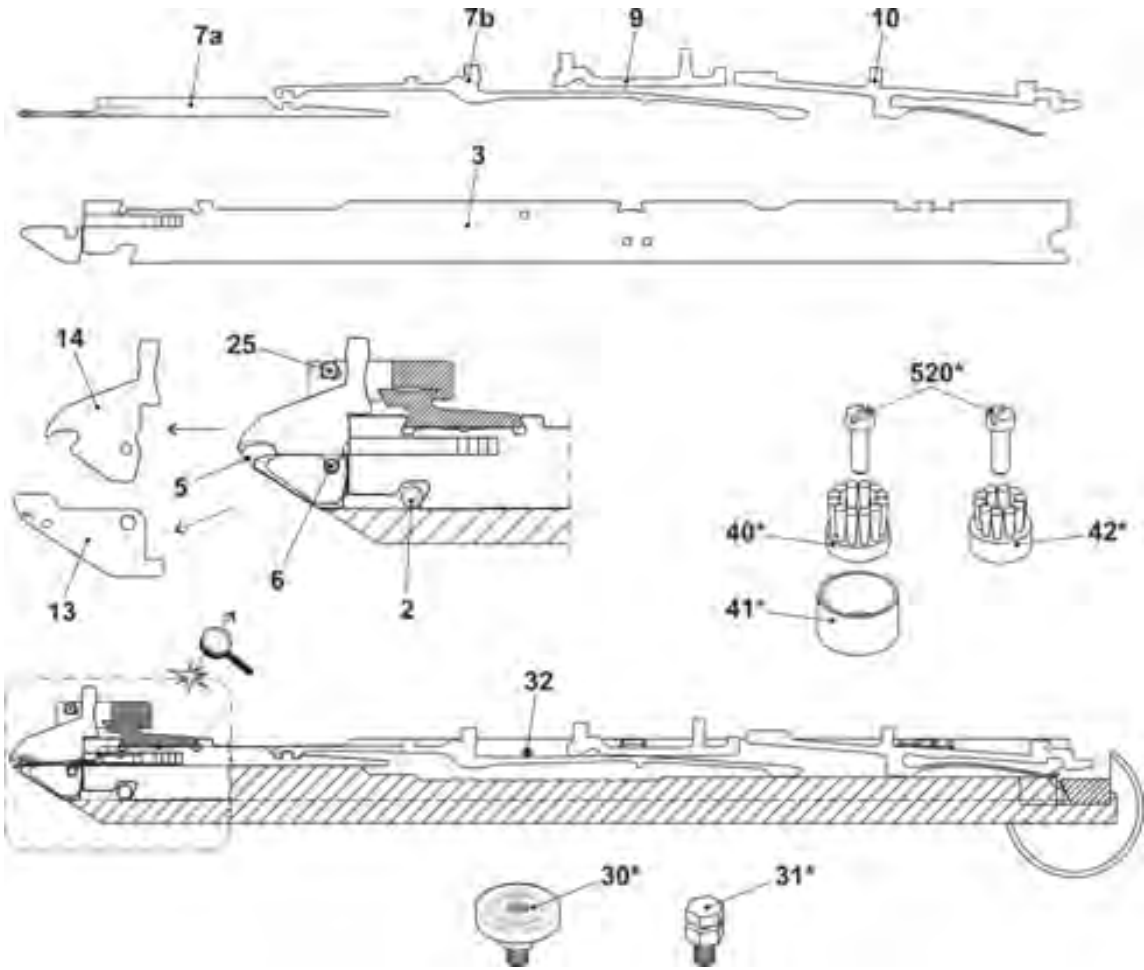
4.4 Needle bed E16

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE16	256 588				
1	Needle bed at the front + rearE16	256 581		27	Bush	206 090
4	Pressure strip	211 009		29	Cap screw 5x12	209 484
6	Spring steel wire ø2,0	251 095		31	Cover rail at the rear	210 979
11	Holding-down jack bed at the front E16	244 566		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E16	244 568		503	Cap screw M6x14	022 658
15	Limiter on the left E16-20	220 821		505	Cap screw M5x8	023 379
16	Limiter on the right E16-20	220 822		506	Cap screw M5x12	022 943
17	Needle bar on the left	205 311		507	Cap screw M5x22	023 193
18	Needle bar on the right	205 312		509	Setscrew M3,5x3	020 512
19	Needle bar	210 977		511	Setscrew M6x12	022 400
20	Cover rail at the front E16	244 597		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



4.4.1 Continuation needle bed E16

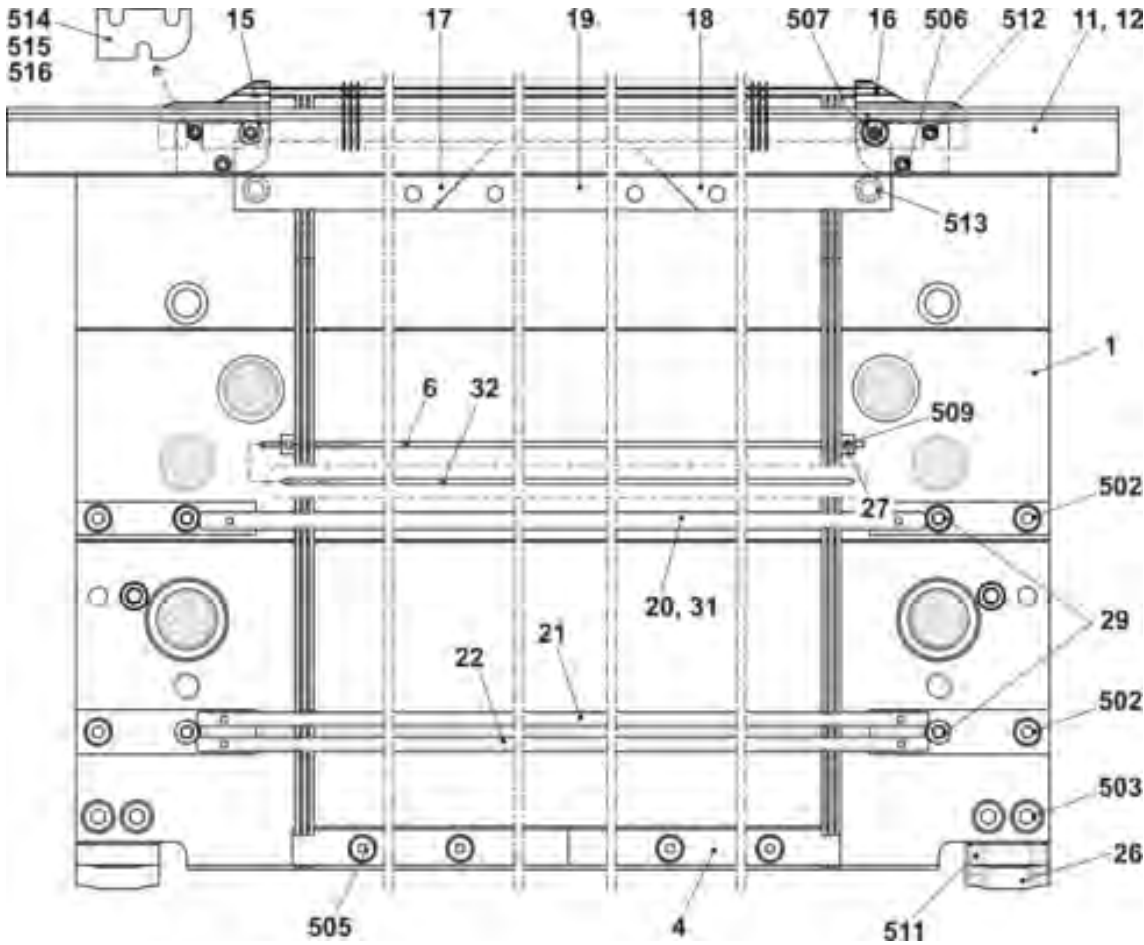
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE16	256 588		14	Holding-down jack E16	264 106
2	Locating wire ø3,4	210 975		25	Locating wire ø2,8 E16-18	244 587
3	Main trick wall E16	245 319		32	Spring steel wire ø2,0	210 973
5	Spring steel wire ø0,5	244 585		30*	Adjusting piece	206 375
7a	Needle E16	232 243		31*	Set screw complete	207 712
7b	Coupling part E16-18	253 384		40*	Disk brush	235 612
9	Intermediate slider with brake E16-18	255 537		41*	Container disk brush	233 012
10	Selection jack with spring E16	224 326		42*	Disk brush ø12	202 600
13	Knock-over bit 0.8 mm E8.2	261 865		520*	Cap screw M5x12	020 032



4.5 Needle bed E12m.10

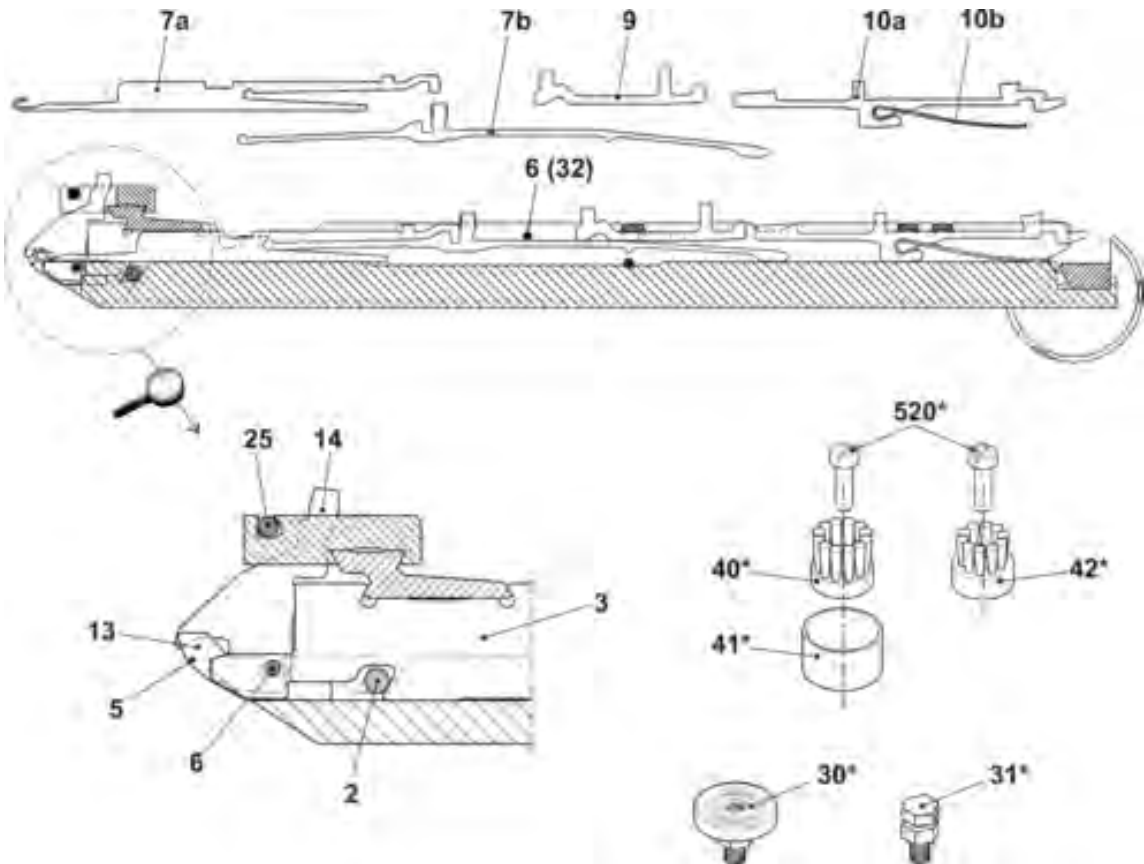
4.5 Needle bed E12m.10

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE12m.10	256 643				
1	Needle bed at the front + rearE12	255 796		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	251 095		32	Spring steel wire ø2,0	210 973
11	Holding-down jack bed at the front E12	211 042		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E12	211 049		503	Cap screw M6x14	022 658
15	Limiter on the left E10-14	205 764		505	Cap screw M5x8	023 379
16	Limiter on the right E10-14	205 765		506	Cap screw M5x12-8.8	022 943
17	Needle bar on the left	205 311		507	Cap screw M5x22	023 193
18	Needle bar on the right	205 312		509	Setscrew 4766-M3,5x3-1	020 512
19	Needle bar	210 977		511	Setscrew 4026-M6x12-45	022 400
20	Cover rail at the front E12	210 986		512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978		513	Springy thrust piece B-M10	023 177
22	Cover rail	210 980		514	Shim0,05x18,5x34	023 196
26	Support	206 352		515	Shim0,1x18,5x34	023 197
27	Bush	206 090		516	Shim0,2x18,5x34	023 253



4.5.1 Continuation needle bed E12m.10

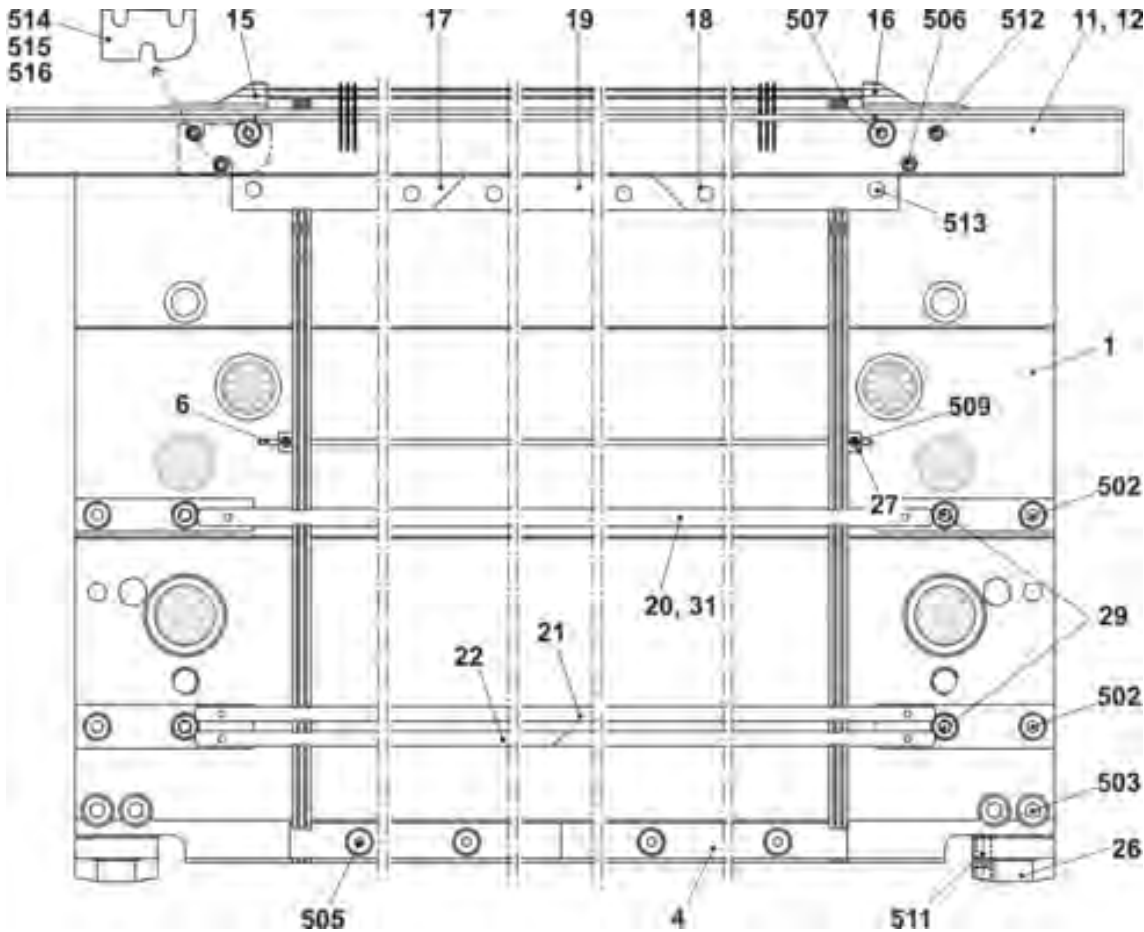
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E10	256 643		14	Holding-down jack trick wallE12	259 213
2	Locating wire ø3,4	210 975		25	Locating wire ø2,8	210 974
3	Main trick wall E12	260 343		32	Spring steel wire ø2,0	210 973
5	Spring steel wire ø0,6	210 969		33	Spring steel wire ø2,0	210 973
7a	Needle E10 with round hook	205 398		30*	Adjusting piece	206 375
7b	Coupling part E10-12	253 382		31*	Set screw complete	207 712
9	Intermediate slider with brake E10-12	255 535		40*	Disk brush	235 612
10a	Selection jack E10-12	200 688		41*	Container disk brush	233 012
10b	Selector spring E10-12	200 691		42*	Disk brush	202 600
13	Knock-over bit E12	259 212		520*	Cap screw M5x12	020 032



4.6 Needle bed E6.2

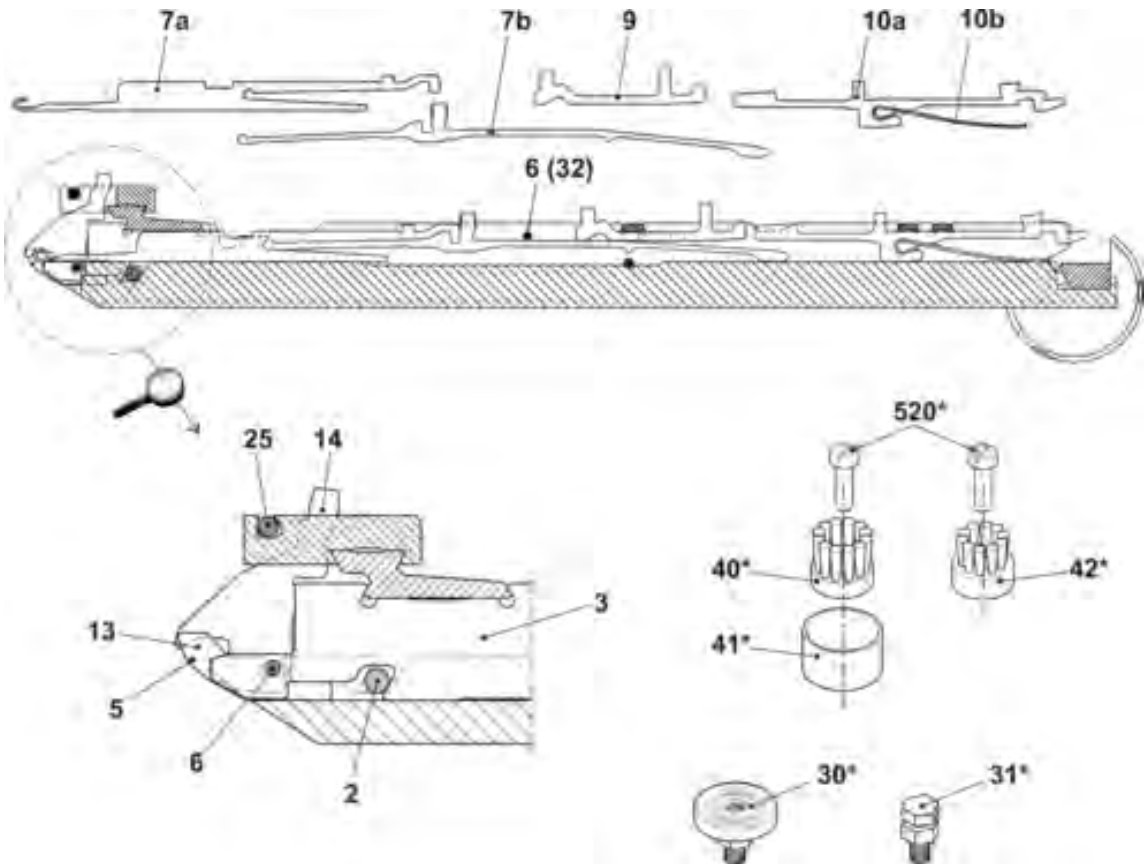
4.6 Needle bed E6.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE6.2	256 589		27	Bush	206 090
1	Needle bed at the front + rearE12	255 796		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	251 095		502	Cap screw M5x12	020 132
11	Holding-down jack bed at the front E6.2	244 524		503	Cap screw M6x14	022 658
12	Holding-down jack bed at the rear E6.2	244 525		505	Cap screw M5x8	023 379
15	Limiter on the left E10-14	205 764		506	Cap screw M5x12-8.8	022 943
16	Limiter on the right E10-14	205 765		507	Cap screw M5x22	023 193
17	Needle bar on the left	205 311		509	Setscrew 4766-M3,5x3-1	020 512
18	Needle bar on the right	205 312		511	Setscrew 4026-M6x12-45	022 400
19	Needle bar	210 977		512	Cap screw M5x8-8.8	023 154
20	Cover rail at the front E12	210 986		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



4.6.1 Continuation needle bed E6.2

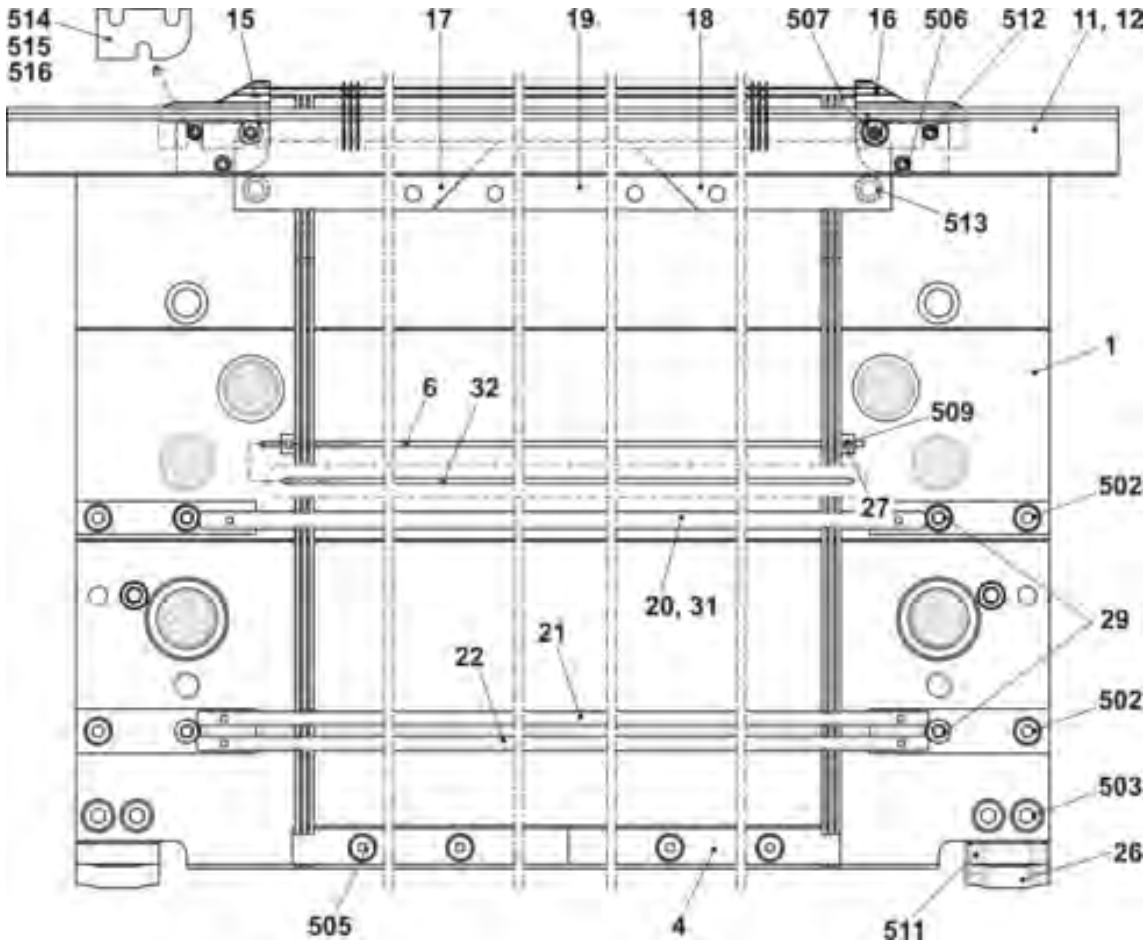
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E10	256 589		13	Knock-over bit E12	259 212
2	Locating wire ø3,4	210 975		14	Holding-down jack trick wallE12	259 213
3	Main trick wall E12	260 343		25	Locating wire ø2,8	210 974
5	Spring steel wire ø0,6	210 969		32	Spring steel wire ø2,0	210 973
6	Spring steel wire ø2,0	251 095		30*	Adjusting piece	206 375
7a	Needle E6.2	207 349		31*	Set screw complete	207 712
7b	Coupling part E10-12	253 382		40*	Disk brush	235 612
9	Intermediate slider with brake E10-12	255 535		41*	Container disk brush	233 012
10a	Selection jack E10-12	200 688		42*	Disk brush	202 600
10b	Selector spring E10-12	200 691		520*	Cap screw M5x12	020 032



4.7 Needle bed E7.2

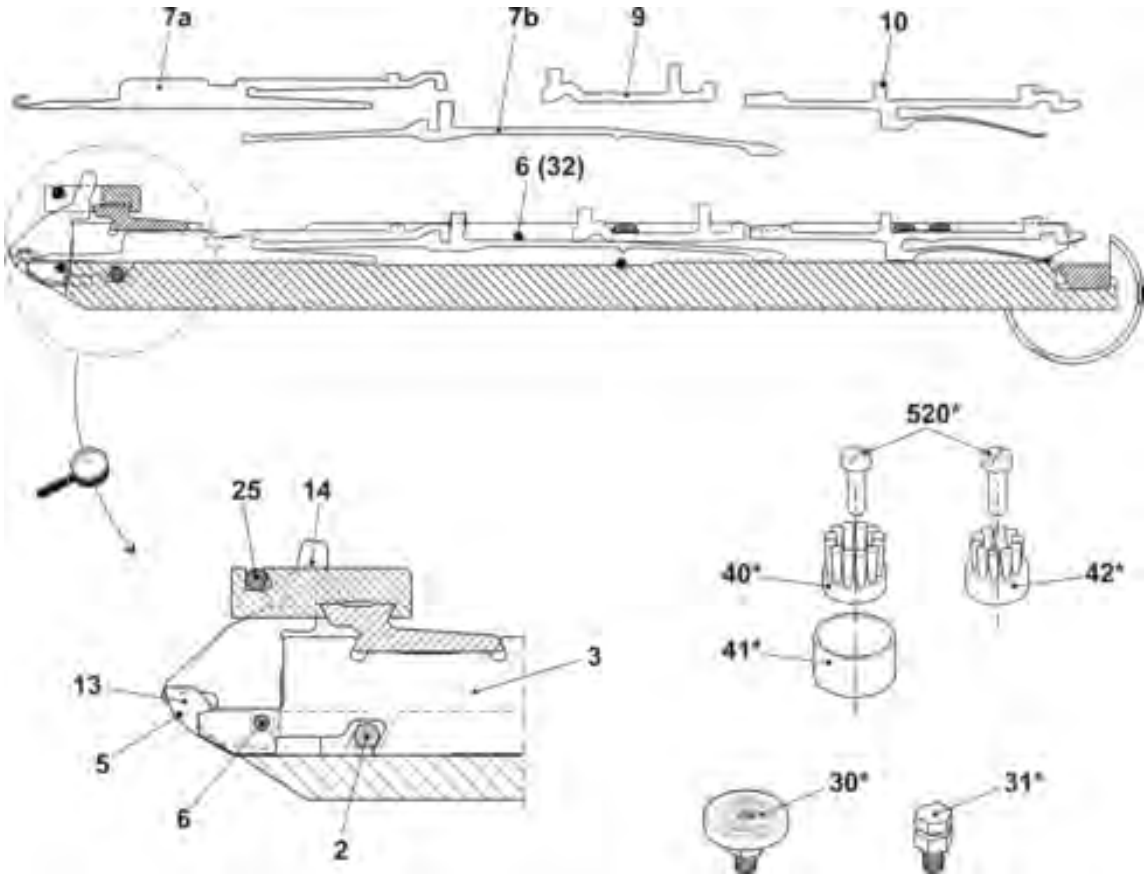
4.7 Needle bed E7.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE7.2	255 793				
1	Needle bed at the front + rearE14	255 797		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	251 095		32	Spring steel wire ø2,0	210 973
11	Holding-down jack bed at the front E7.2 MG	240 176		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E7.2 MG	240 177		503	Cap screw M6x14	022 658
15	Limiter on the left E10-14	205 764		505	Cap screw M5x8	023 379
16	Limiter on the right E10-14	205 765		506	Cap screw M5x12-8.8	022 943
17	Needle bar on the left	205 311		507	Cap screw M5x22	023 193
18	Needle bar on the right	205 312		509	Setscrew M3,5x3-1	020 512
19	Needle bar	210 977		511	Setscrew I6x12-45	022 400
20	Cover rail at the front E14	210 987		512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978		513	Springy thrust piece B-M10	023 177
22	Cover rail	210 980		514	Shim0,05x18,5x34	023 196
26	Support	206 352		515	Shim0,1x18,5x34	023 197
27	Bush	206 090		516	Shim0,2x18,5x34	023 253



4.7.1 Continuation needle bed E7.2

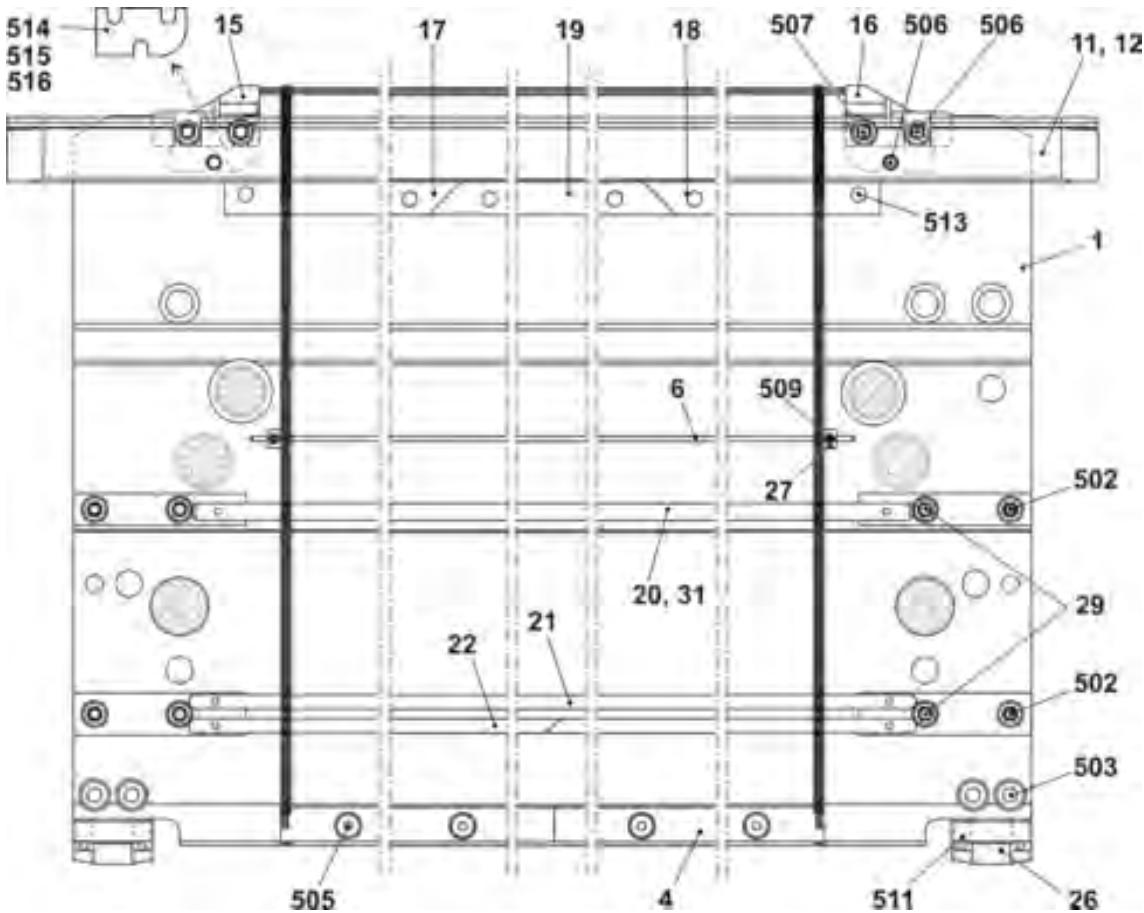
Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E7.2	255 793				
2	Locating wire ø3,4	210 975		14	Holding-down jack trick wallE7.2	258 396
3	Main trick wall E14	260 344		25	Locating wire ø2,8	210 974
5	Spring steel wire ø0,6	210 969		32	Spring steel wire ø2,0	210 973
6	Spring steel wire ø2,0	251 095		30*	Adjusting piece	206 375
7a	Needle E7.2	225 230		31*	Set screw complete	207 712
7b	Coupling part E14	253 383		40*	Disk brush	235 612
9	Intermediate slider with brake E14	255 536		41*	Container disk brush	233 012
10	Selection jack with spring E14	224 725		42*	Disk brush	202 600
13	Knock-over bit	256 912		520*	Cap screw M5x12	020 032



4.8 Needle bed E8.2

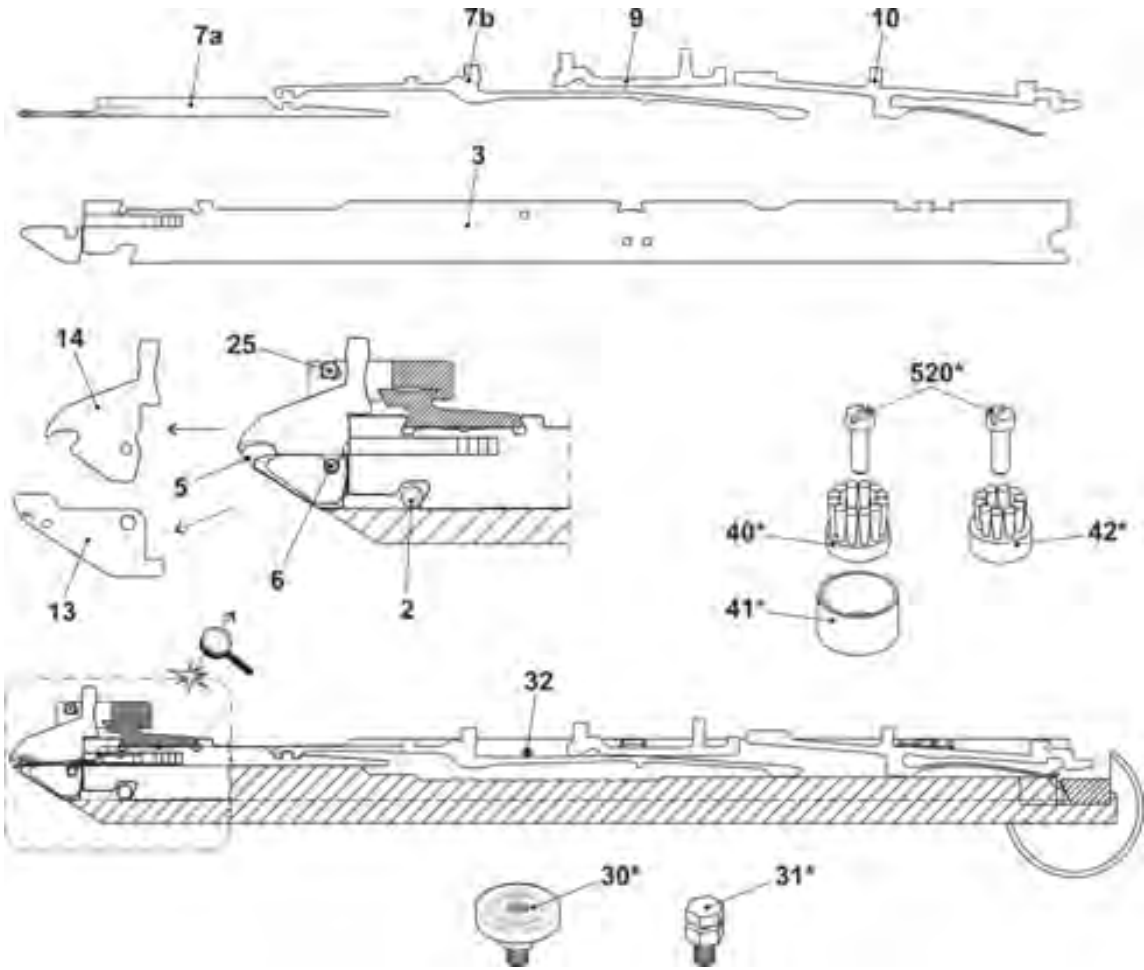
4.8 Needle bed E8.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE8.2	256 590				
1	Needle bed at the front + rearE16	256 581		27	Bush	206 090
4	Pressure strip	211 009		29	Cap screw 5x12	209 484
6	Spring steel wire ø2,0	251 095		31	Cover rail at the rear	210 979
11	Holding-down jack bed at the front E16	244 566		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E16	244 568		503	Cap screw M6x14	022 658
15	Limiter on the left E16-20	220 821		505	Cap screw M5x8	023 379
16	Limiter on the right E16-20	220 822		506	Cap screw M5x12	022 943
17	Needle bar on the left	205 311		507	Cap screw M5x22	023 193
18	Needle bar on the right	205 312		509	Setscrew M3,5x3	020 512
19	Needle bar	210 977		511	Setscrew M6x12	022 400
20	Cover rail at the front E16	244 597		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



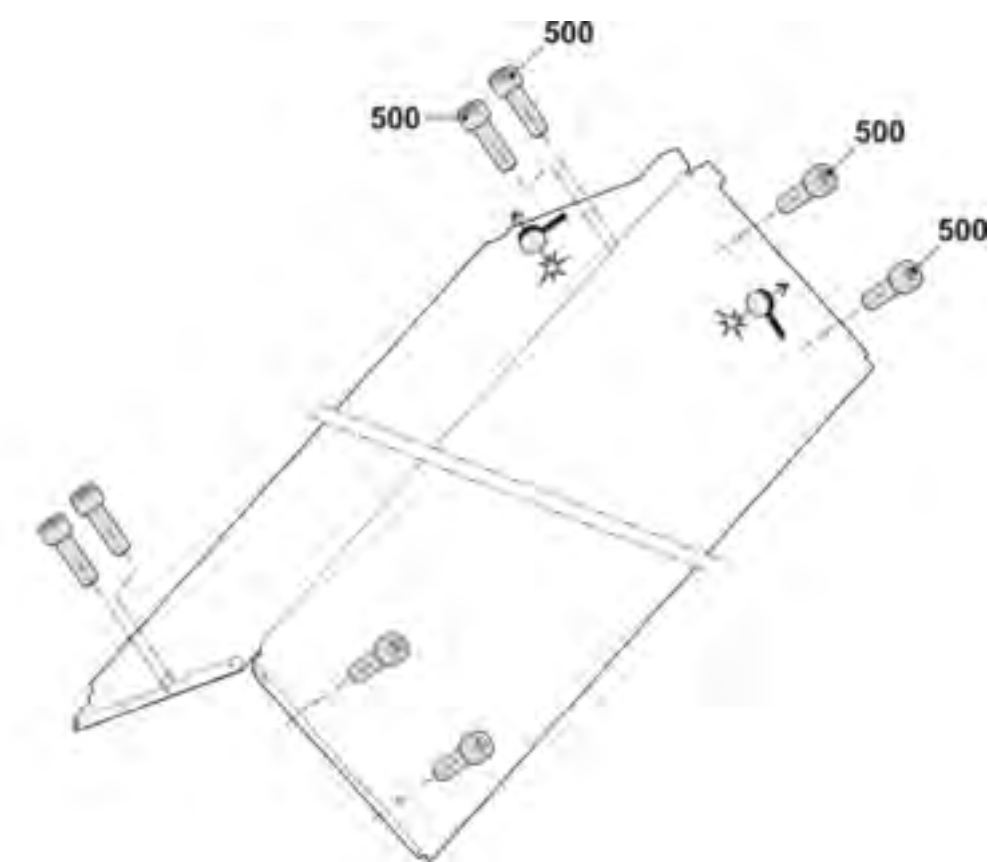
4.8.1 Continuation needle bed E8.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rearE8.2	256 590		14	Holding-down jack E16	264 106
2	Locating wire ø3,4	210 975		25	Locating wire ø2,8 E16-18	244 587
3	Main trick wall E16	245 319		32	Spring steel wire ø2,0	210 973
5	Spring steel wire ø0,5	244 585		30*	Adjusting piece	206 375
7a	Needle E18/14	240 026		31*	Set screw complete	207 712
7b	Coupling part E16-18	253 384		40*	Disk brush	235 612
9	Intermediate slider with brake E16-18	255 537		41*	Container disk brush	233 012
10	Selection jack with spring E16	224 326		42*	Disk brush ø12	202 600
13	Knock-over bit 0.8 mm E16+8.2	261 865		520*	Cap screw M5x12	020 032



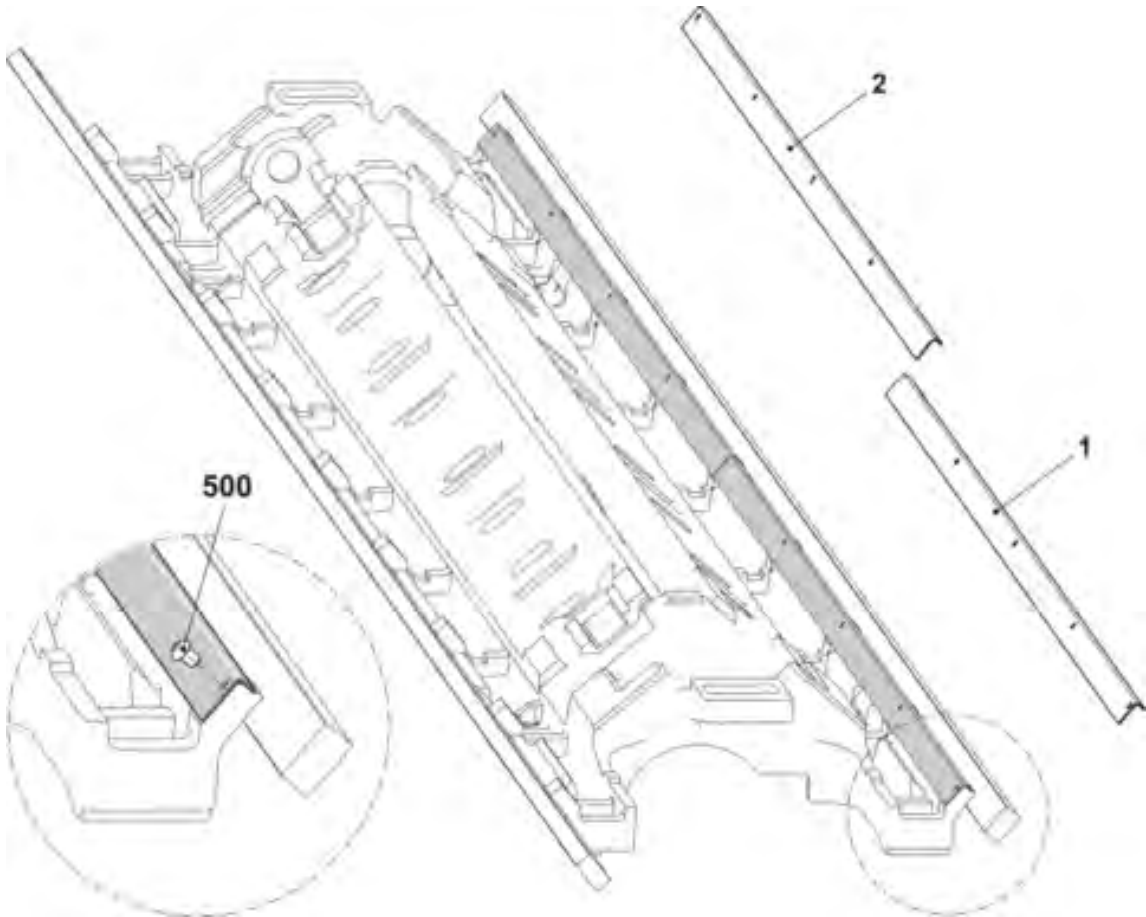
4.9 Needle beds, fixing elements

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



4.10 Cover on the left and on the right

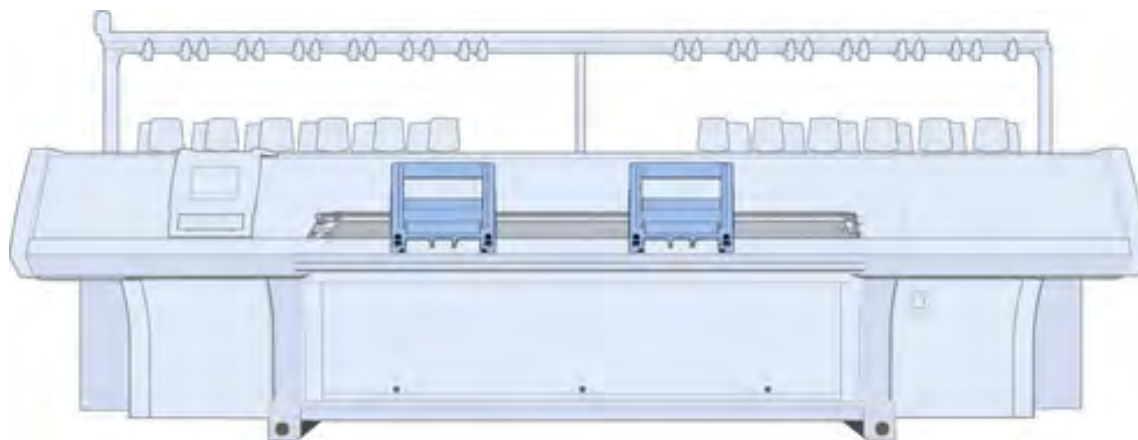
Pos	Designation	ID		Pos	Designation	ID
1	Cover on the left	242 253		500	Pan-head screw M8x10	241 930
2	Cover on the right	242 254				



4.10 Cover on the left and on the right

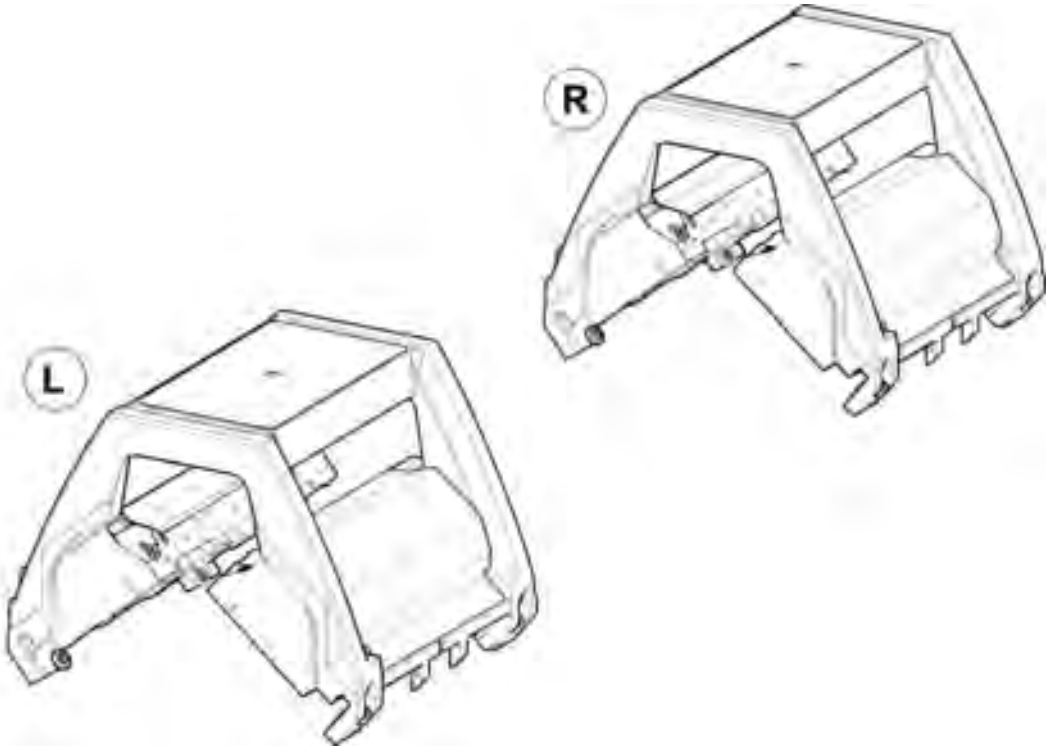
Notes:

5 Tandem carriage



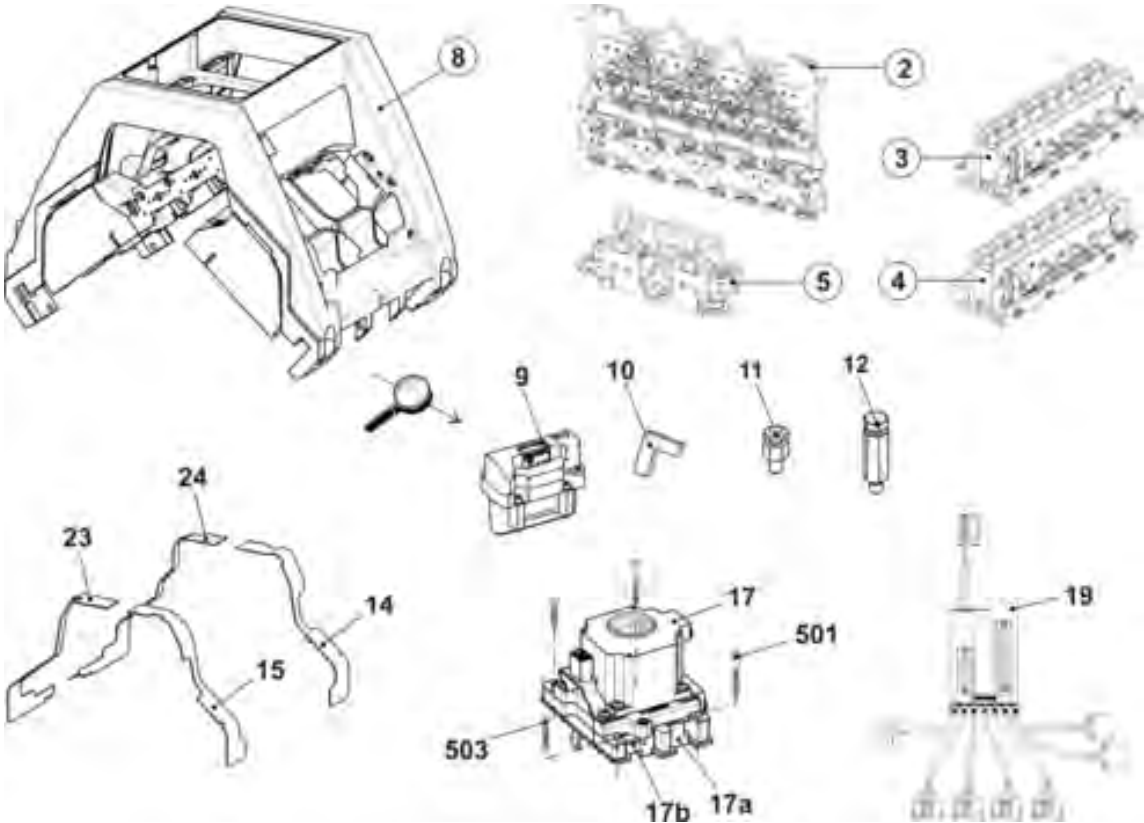
5.1 Complete Carriage

Pos	Designation	ID		Pos	Designation	ID
Σ L	Carriage left complete			Σ R	Carriage right complete	
	E10	256 608			E10	256 609
	E12	256 610			E12	256 611
	E14	256 612			E14	256 613
	E16	256 614			E16	256 615
	E12m.10	256 616			E12m.10	256 617
	E6.2	256 619			E6.2	256 618
	E7.2	255 794			E7.2	255 795
	E8.2	256 620			E8.2	256 621



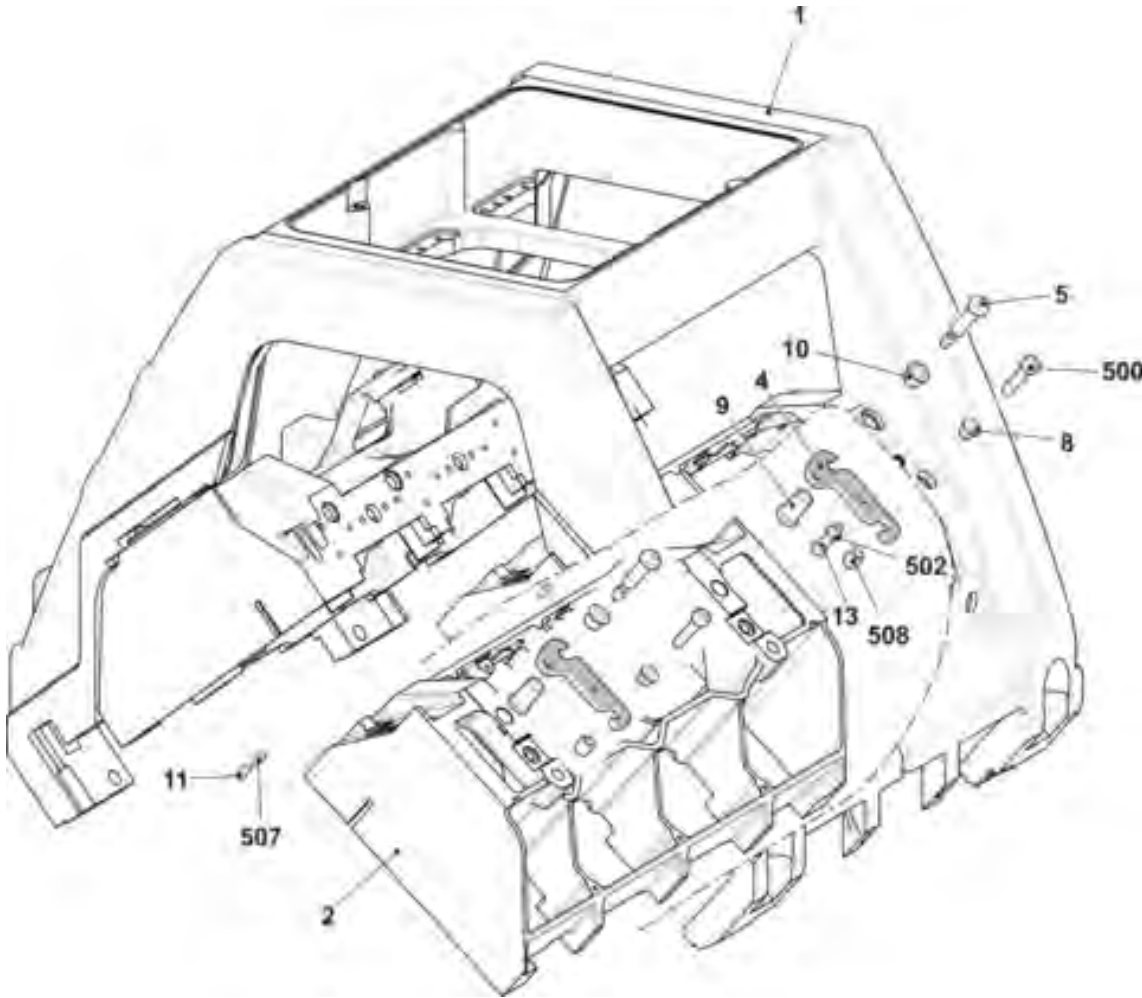
5.2 Overview of Carriage Parts

Pos	Designation	ID		Pos	Designation	ID		
2	Cam box set complete E10	259 247		9	Selection system complete			
	Cam box set complete E12	259 248			E10 E12 E6.2 E12m.10		216 219	
	Cam box set complete E14	259 249			E14 E7.2		229 300	
	Cam box set complete E16	259 250			E16 E8.2		220 114	
	Cam box set complete E12m.10	259 251			10	Wiper felt		241 411
	Cam box set complete E6.2	259 252		11	Bolt		212 392	
	Cam box set complete E7.2	259 253		12	Bolt		243 171	
	Cam box set complete E8.2	259 254		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		251 827	
5	Holding-down jack control complete				17a	Gear rack at the top complete		251 817
	E10	259 626			17b	Gear rack at the bottom complete		251 818
	E12 E14 E6.2 E12m.10				259 627	19	Distributor 3 cam box 5Z OKC3	
	E16	259 628		23	Guide plate at the rear on the left		245 323	
	E7.2	259 629		24	Guide plate at the rear on the right		245 324	
	E8.2	259 630		501	Cap screw M4x35		023 550	
8	Carriage assembly 3 cam boxes on the left complete5-Z	255 786		503	Cap screw M4x20		023 171	
	Carriage assembly 3 cam boxes on the right complete5-Z	256 653						



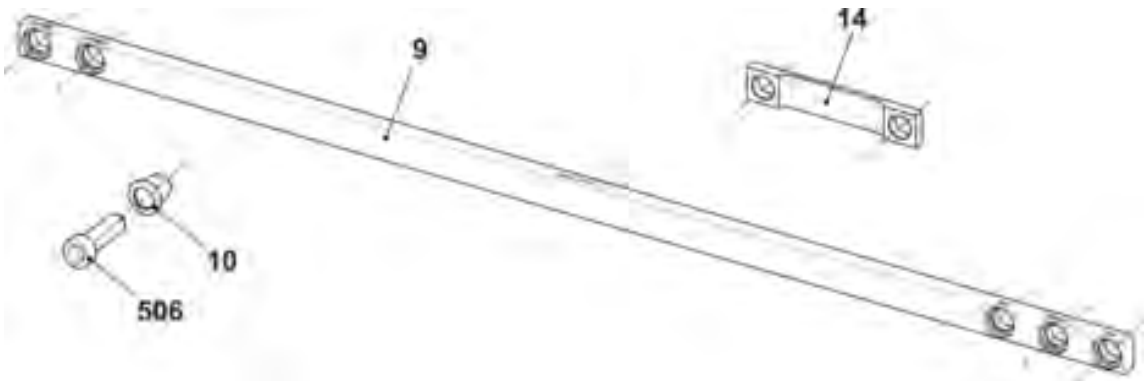
5.3 Carriage assembly

Pos	Designation	ID		Pos	Designation	ID
Σ	Carriage assembly 3 cam boxes on the left complete 5 inches	255 786				
	Carriage assembly 3 cam boxes on the right complete 5 inches	256 653		10	Bush	209 274
1	Carriage frame, 3 cam boxes	258 293		11	Eccentric	222 983
2	Carriage part, 3 cam boxes	254 499		13	Locating bolt linking spot	244 179
4	Shim	225 312		500	Cap screw M8x30	020 143
5	Shoulder screw	211 750		502	Circlip6	021 022
8	Bush	207 546		507	Dowel pin 5x14	020 670
9	Bush	209 275		508	Threaded bush M12x11,5	041 863



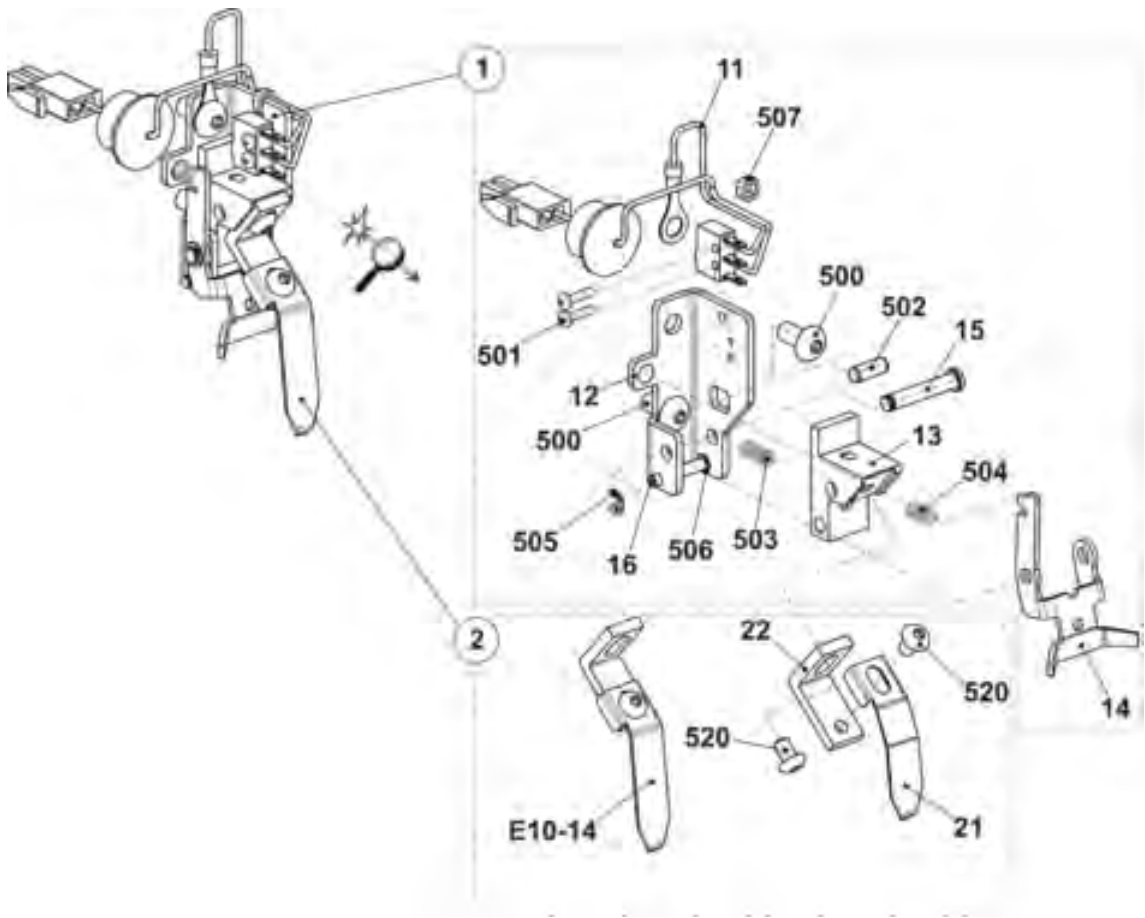
5.4 Carriage coupling

Pos	Designation	ID		Pos	Designation	ID
9	Connecting rod 933 5 inches	255 791		14	Connecting rod short	242 891
10	Sleeve	225 600		506	Cap screw M16x45	023 366



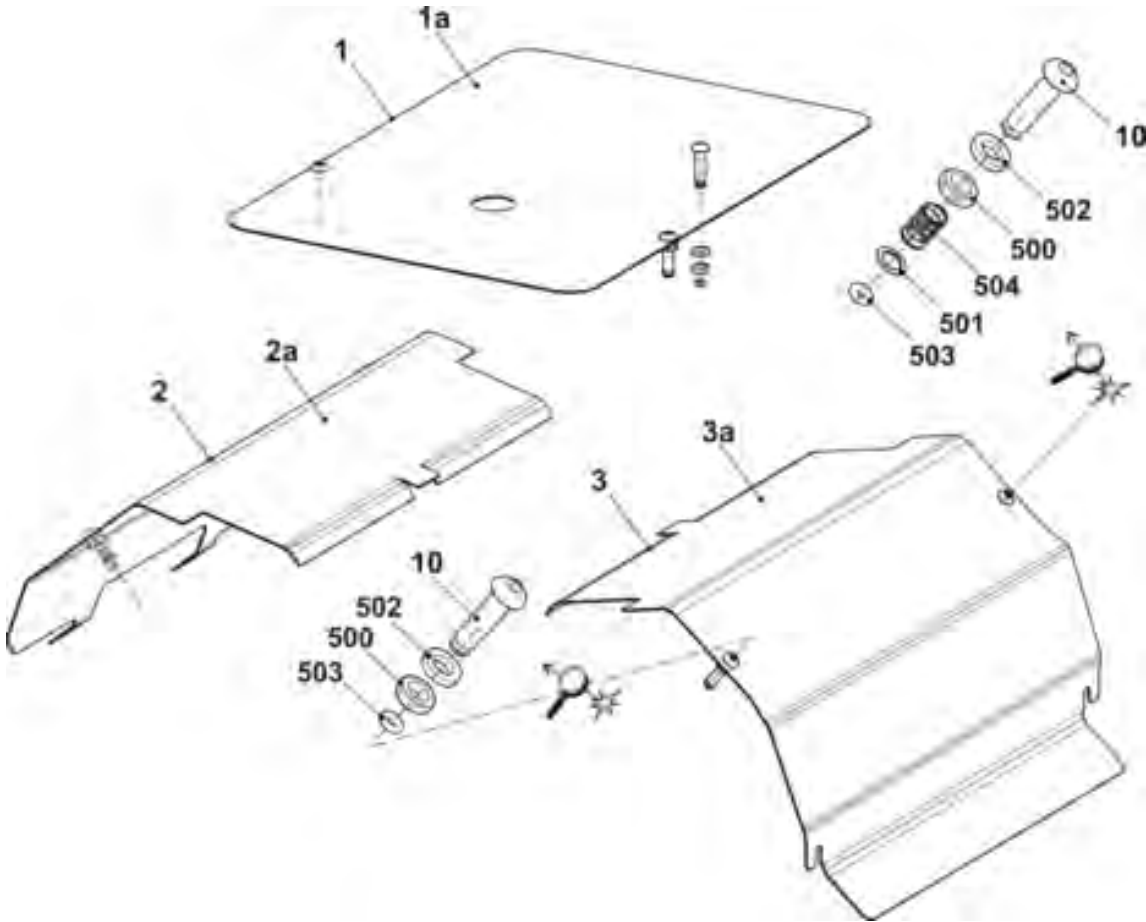
5.5 Needle detector

Pos	Designation		ID		Pos	Designation		ID
Σ	Needle detector				504	Compression spring0,4x4x11,2		256 952
1	Needle detector pre-assembled		256 475		505	Circlip		021 018
	11	Cable of needle detector complete	221 207		506	Circlip		023 565
	12	Retainer	256 476		507	Cable tape 92x2,4		008 378
	13	Switch rocker	256 477		2	Sensor pre-assembled E10 E12 E14 E12m.10 E6.2 E7.2		256 454
	14	Set-out plate	256 094			21	Sensor E10-E14	255 758
	15	Bolts	256 492			22	Angle	255 757
	16	Stop bolt	256 493			520	Pan-head screw M4x6	023 427
	500	Pan-head screw M5x10	023 247		2	Sensor pre-assembled E16 E8.2 E18		256 784
	501	Pan-head screw M2x8	258 310			21	Sensor E16-18	255 759
	502	Dowel pin 4x10-A-St	023 753			22	Angle	255 757
	503	Compression spring4,3x0,45x10	021 398			520	Pan-head screw M4x6	023 427



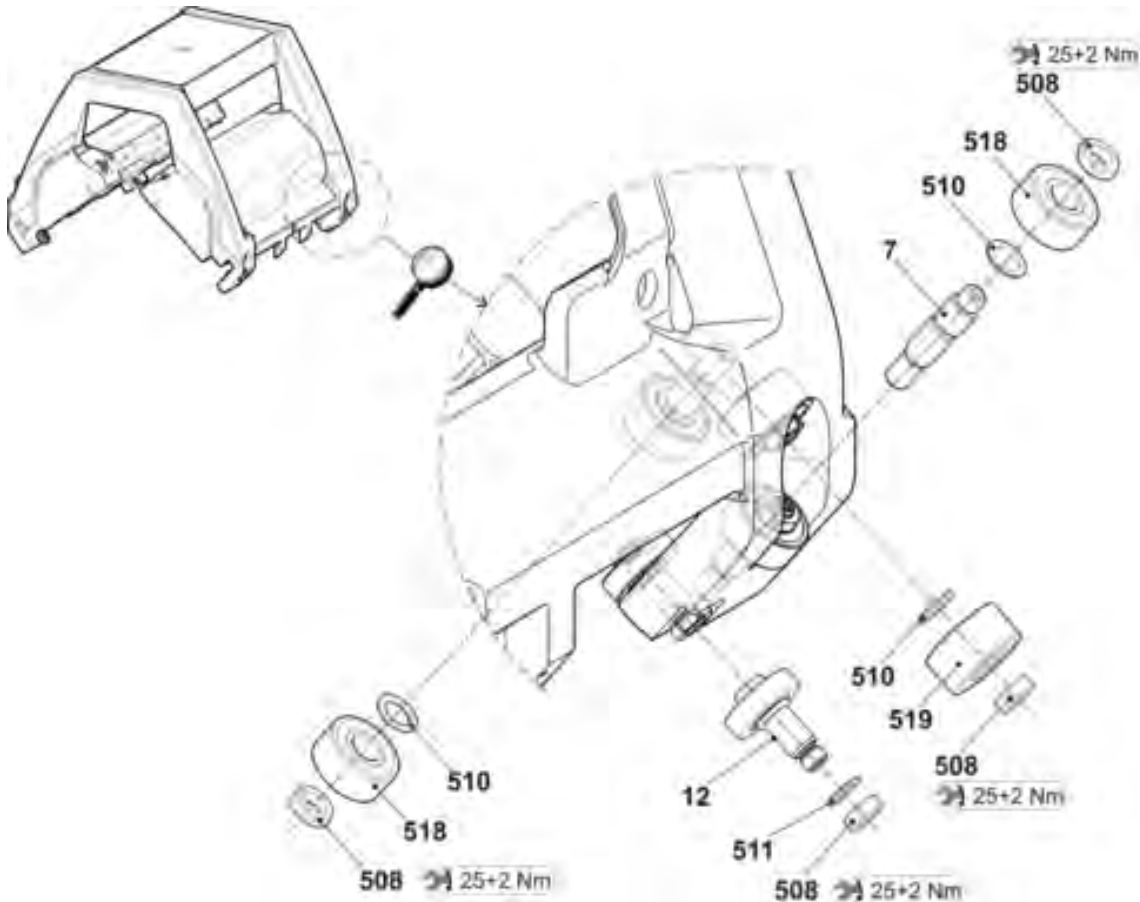
5.6 Carriage cover

Pos	Designation	ID		Pos	Designation	ID
1	Carriage cover at the top 3 cam boxes complete	257 103		10	Locating bolt	242 382
	1a	Carriage cover at the top 3 cam boxes 5Z		500	Hexagon nut M6	257 088
2	Carriage cover at the rear complete 3 cam boxes	259 277		501	Washer6.1x9x0,5	023 554
	2a	Carriage cover at the rear 3 cam boxes 5Z		502	Serrated lock washer 6,4	022 385
3	Carriage cover at the front 3 cam boxes complete	259 276		503	O-ring 3x2	242 420
	3a	Carriage cover at the front 3 cam boxes 5Z		504	Compression spring 0,48x7,02x17,29	023 654



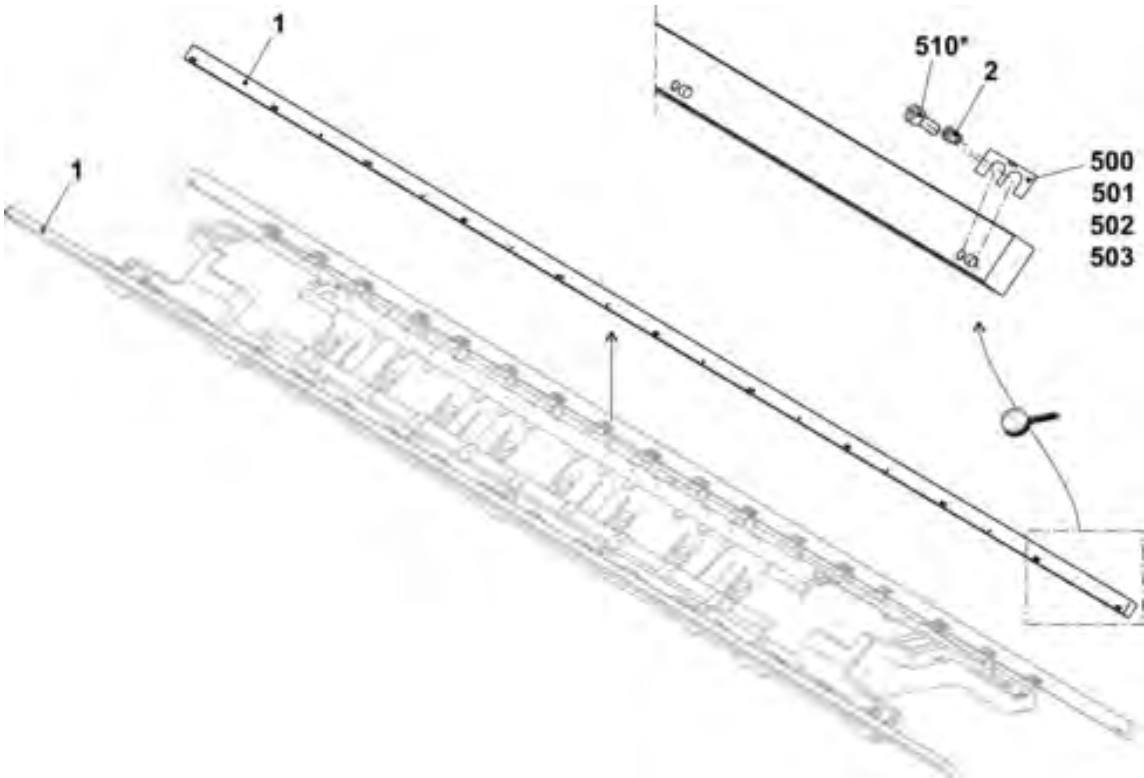
5.7 Carriage guide

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				



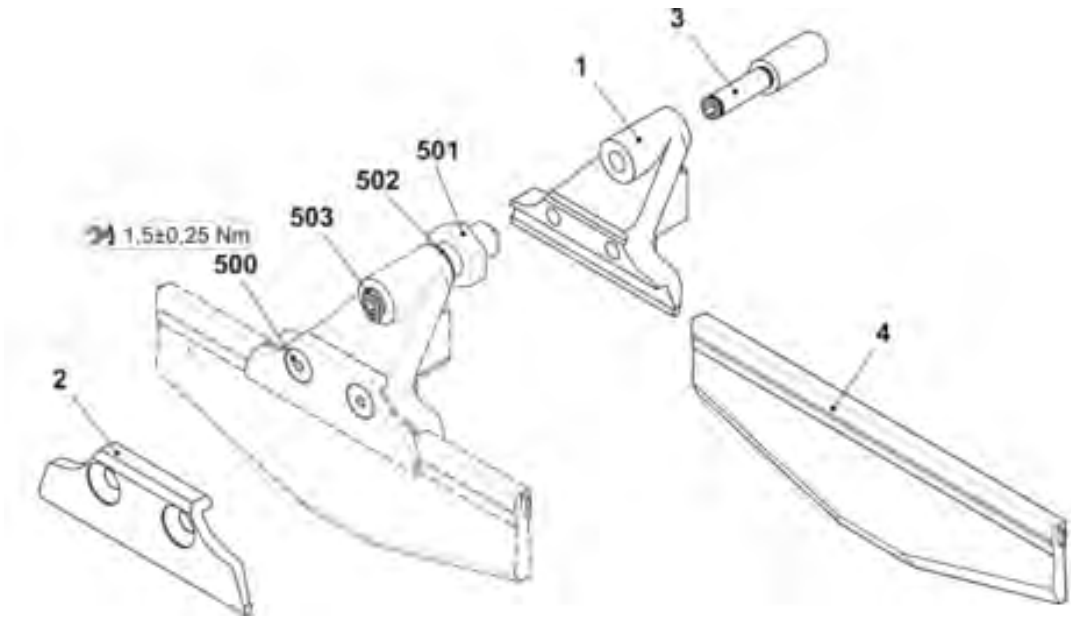
5.8 Spare parts package carriage guide rail

Pos	Designation	ID		Pos	Designation	ID
Σ	Spare parts package carriage guide rail933	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



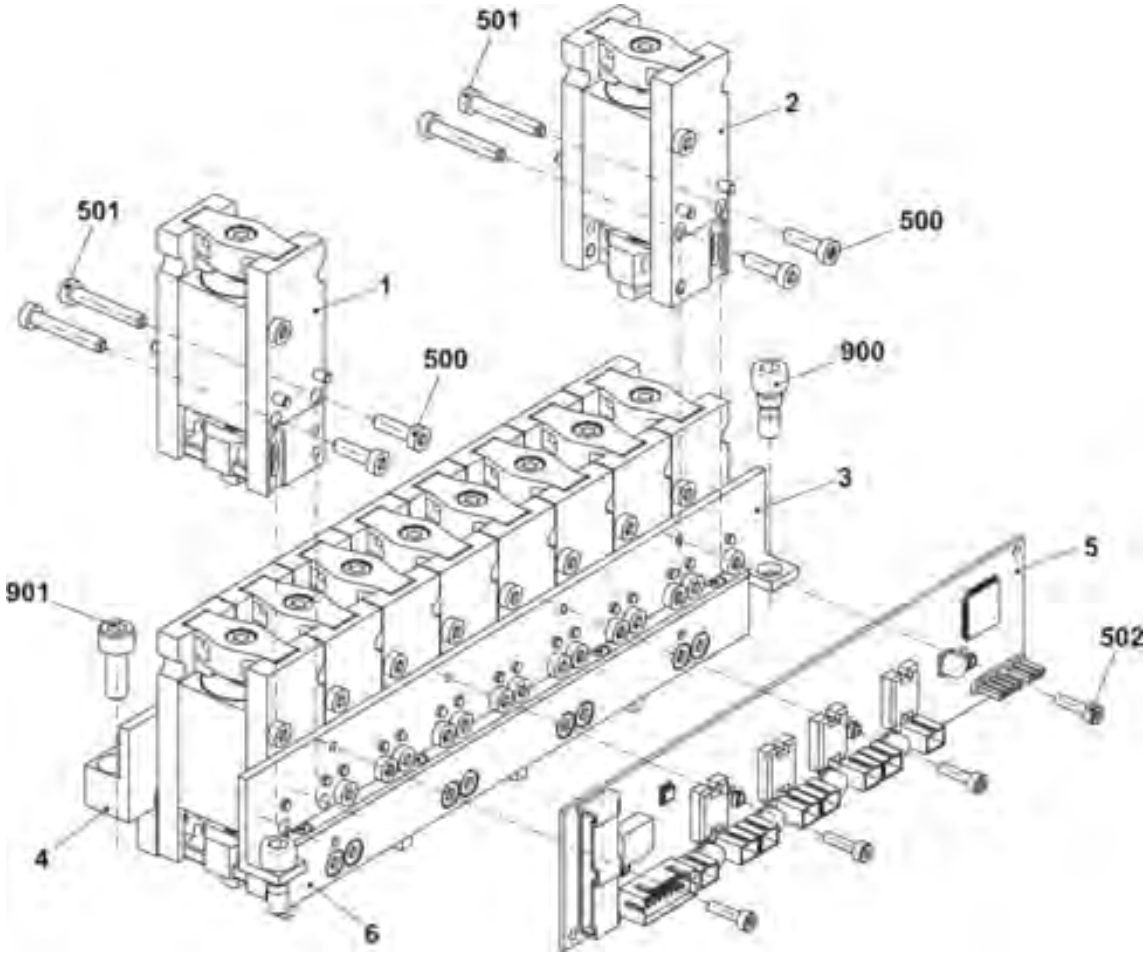
5.9 Brush holder

Pos	Designation	ID		Pos	Designation	ID
Σ	Brush holder complete			4	Brush	
	E10 E12 E14 E12m.10 E6.2 E7.2	252 749			E10 E12 E14 E12m.10 E6.2 E7.2	243 074
	E16 E8.2	213 710			E16 E8.2	203 254
1	Brush holder	213 009		500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010		501	Hexagon nut M8x5	023 750
3	Threaded rod	209 740		502	Shim ring 5x10x0,5	023 348
				503	Retaining ring5x0,6	023 347



5.10 Yarn carrier driving without guide part

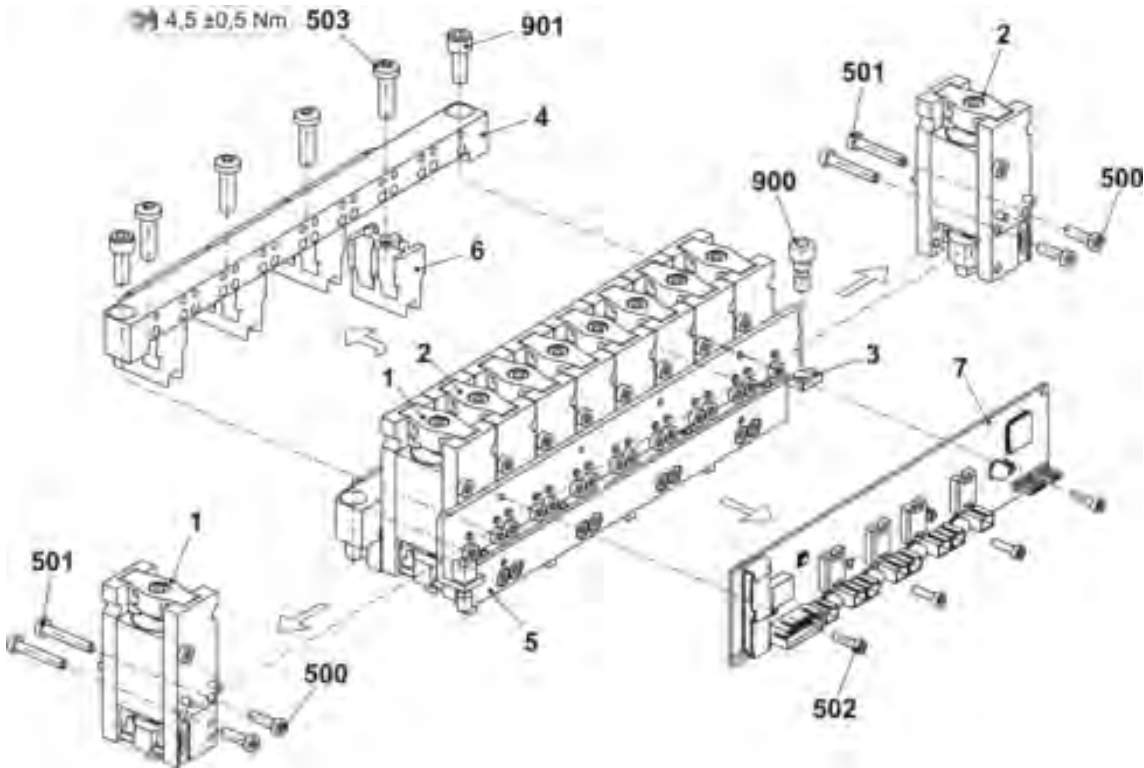
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	YC driving outside complete	245 297		6	Switch mechanism	251 137
1	Yarn carrier plunger on the right complete	243 080		500	Cap screw M4x16-I-Torx	258 336
2	Yarn carrier plunger on the left complete	243 118		501	Cap screw M4x25-I-Torx	245 305
3	Holding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



5.11 Yarn carrier driving with guide part

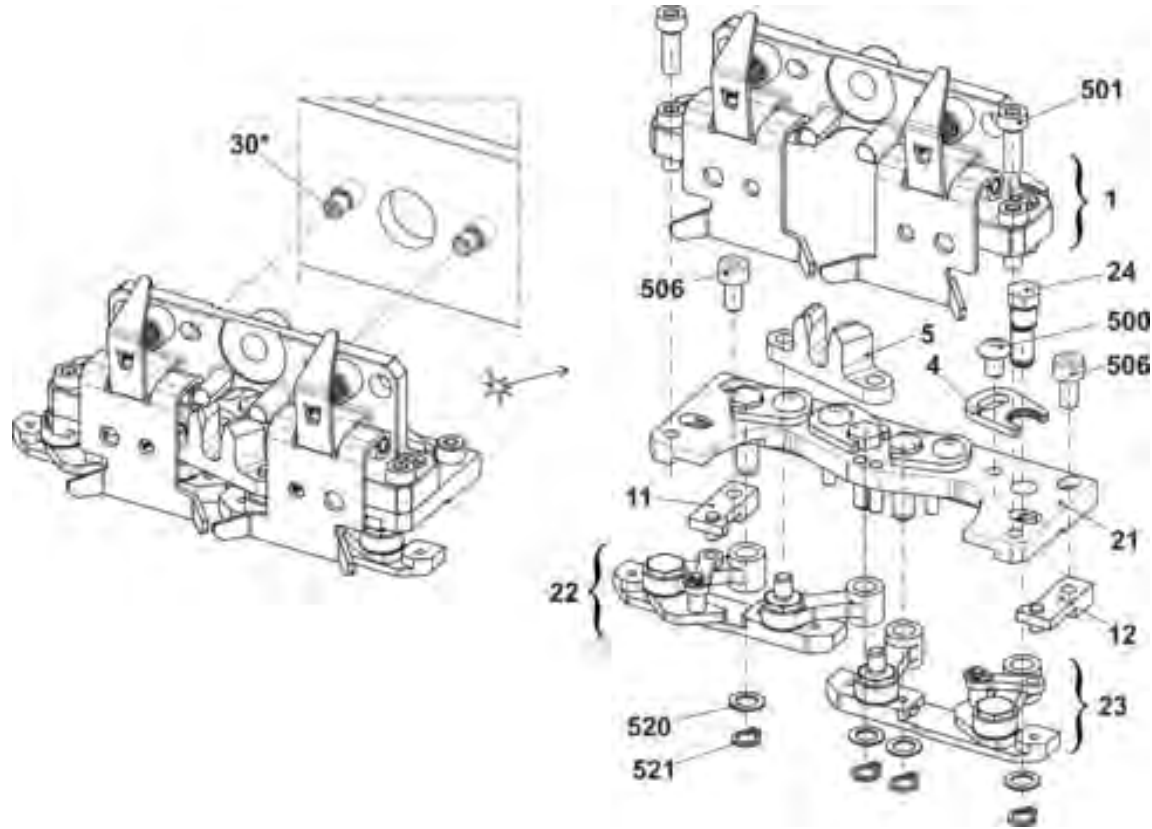
5.11 Yarn carrier driving with guide part

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



5.12 Holding-down jack control

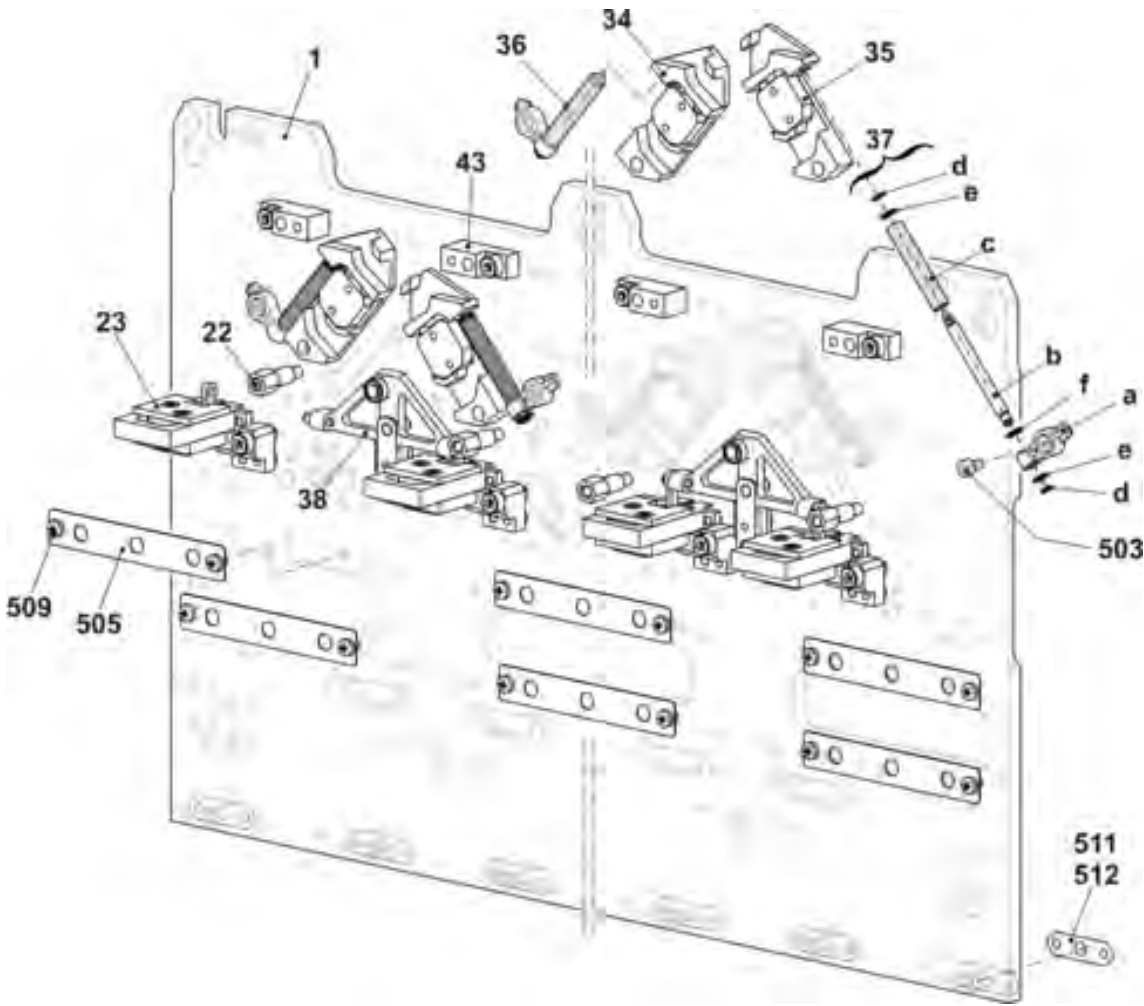
Pos	Designation	ID	Pos	Designation	ID
Σ	Holding-down jack control complete		22	E7.2	256 394
	E10	259 626		E8.2	256 395
	E12 E14 E6.2 E12m.10	259 627	23	Slider on the left complete	
	E16 E18	259 628		E10	256 396
	E7.2	259 629		E12 E14 E6.2 E12m.10	256 397
	E8.2	259 630		E16 E18	256 398
1	Assembly plate complete	256 311		E7.2	256 399
4	Adjusting plate	256 388		E8.2	256 400
5	Plunger	256 059	24	Bolt	209 722
11	Slider on the right	259 457	500	Pan-head screw M4x6	023 427
12	Slider on the left	259 456	501	Cap screw M4x12	241 859
21	Base plate	259 170	506	Cap screw M4x8	022 501
22	Slider on the right complete		520	Shim ring 5x8x0.5	256 371
	E10	256 391	521	Retaining ring 5x0,6	023 347
	E12 E14 E6.2 E12m.10	256 392	30*	Eccentric of holding-down jack control	256 994
	E16 E18	256 393			



5.13 Cam box E10

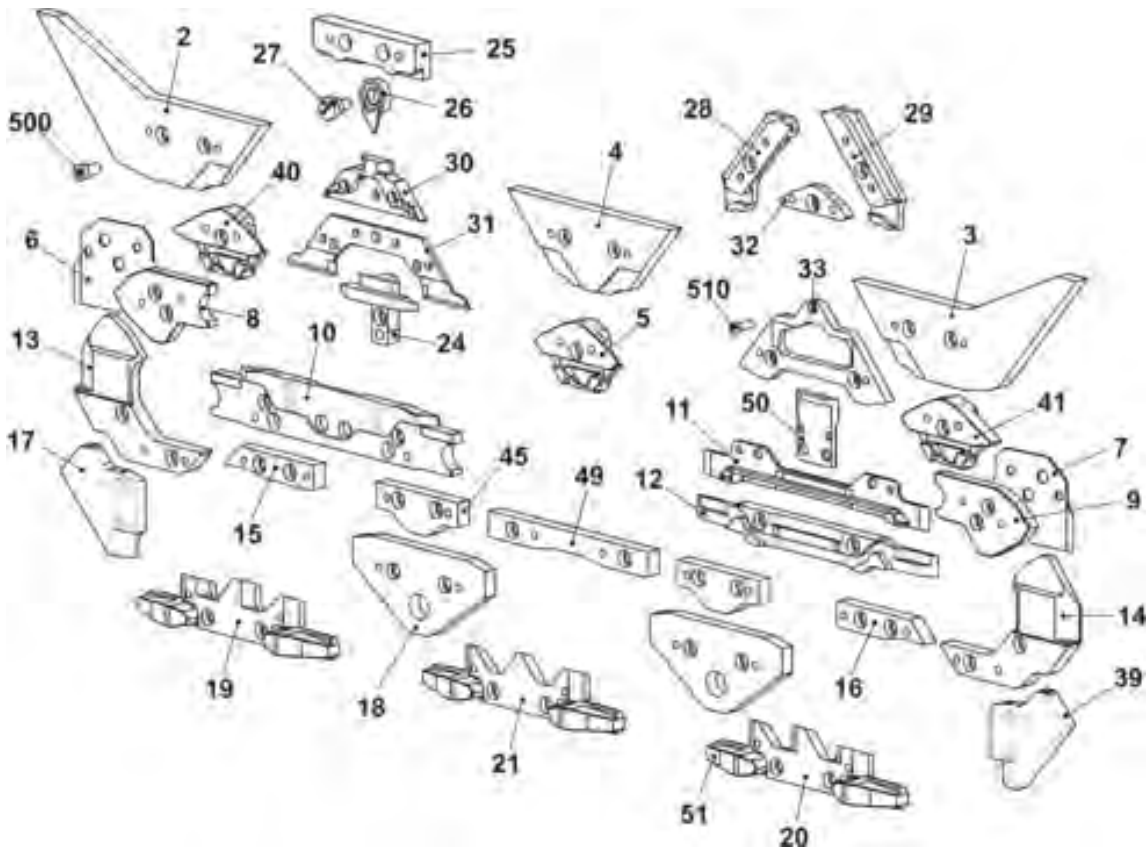
5.13 Cam box E10

Pos	Designation	ID	Pos	Designation	ID
Σ	Cam box set complete E10	259 247			
1	Cam plate E10-18	258 159	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure part complete	253 480		f Washer	022 893
34	Loop sinking cam on the left completeE10	254 246	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right completeE10	254 247	43	Holding piece	251 828
36	Rod guide on the left complete	252 662	503	Cap screw M3x6	022 589
37	Rod guide on the right complete	252 663	505	Shim0,5x12x75	236 654
	a Rod guide part	258 148	509	Pan-head screw M3x4	023 142
	b Spring rod	252 661	511	Shim 0,03x8x28	023 452
	c Compression spring	257 082	512	Shim 0,05x8x28	023 020



5.13.1 Cams E10

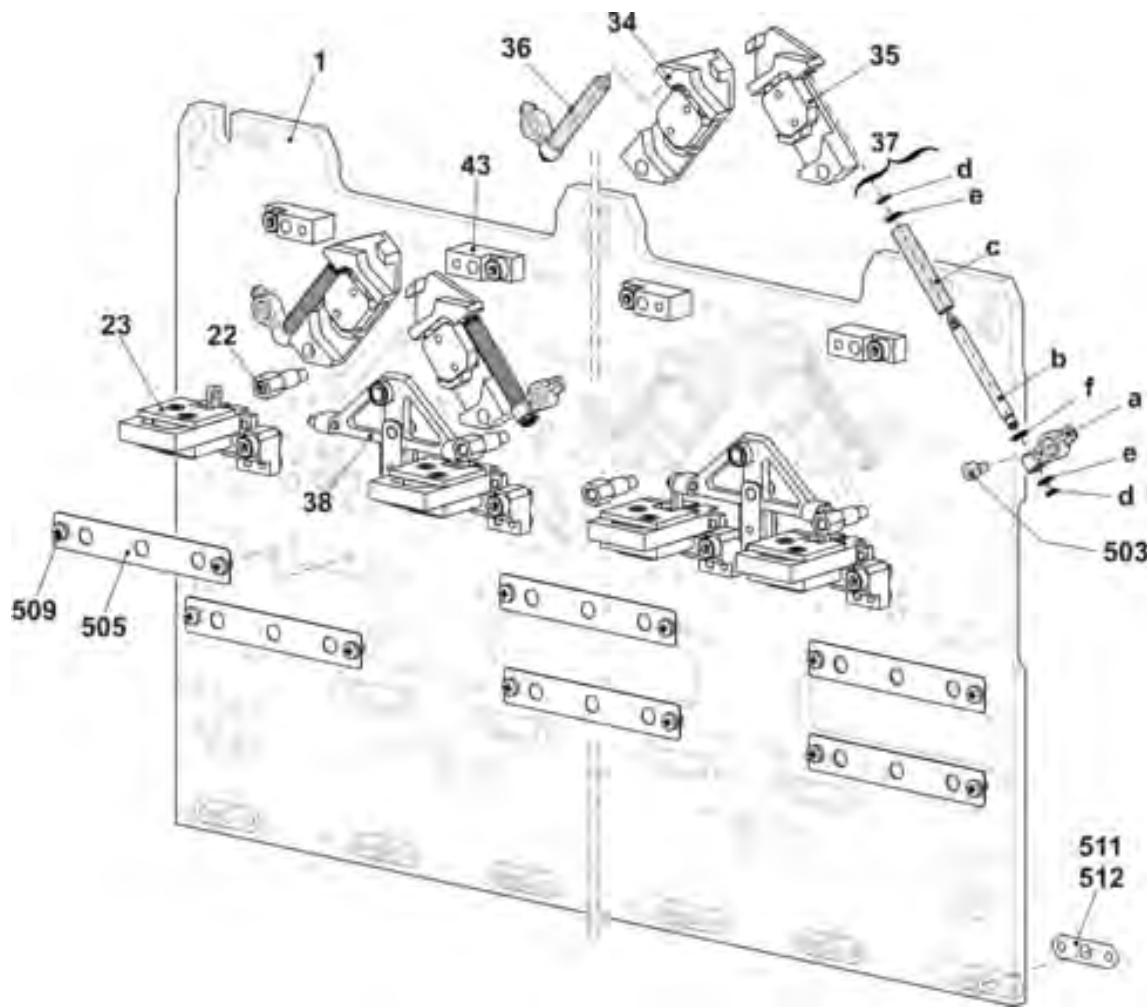
Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690		24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	256 691		25	Limiting cam E10 E7.2	251 993
4	Entry cam at the top E10-18	256 689		26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021		27	Screw	210 335
6	Plate on the left E10-18	255 389		28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390		29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391		30	Tuck limiting cam E10 E7.2	254 295
9	Entry cam on the right E10-18	255 392		31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540		32	Receiving cam E10 E12	251 997
11	Cam guide at the top E10-18	258 161		33	Raising cam without split-stitch E10 E12	254 334
12	Cam guide E10-18	255 541			Raising cam with split-stitch E10 E12	254 335
13	Cam on the left E10-18	255 613		39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614		40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left E10-18	251 886		41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768		49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152		50	Transfer pressure part	253 838
19	Selection cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875		510	Cap screw M3x8	020 081



5.14 Cam box E12

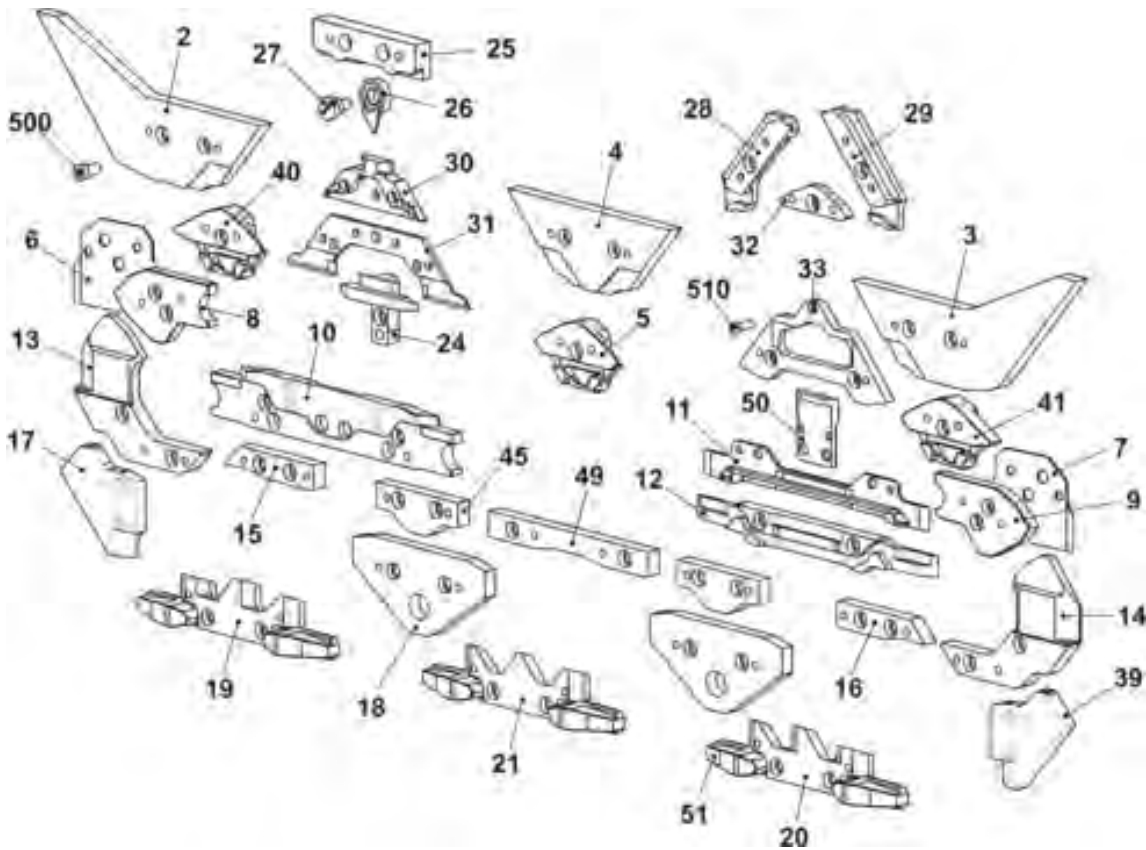
5.14 Cam box E12

Pos	Designation		Id		Pos	Designation		Id
Σ	Cam box set complete E12		259 248		37	d	Circlip	023 565
1	Cam plate E10-18		258 159			e	Disk	259 647
22	Stay bolt		254 839			f	Washer	022 893
23	Guide of pressure part complete		253 480		38	Slider pressure part complete		251 834
34	Loop sinking cam on the left completeE12-14		254 248		43	Holding piece		251 828
35	Loop sinking cam on the right completeE12-14		254 249		503	Cap screw M3x6		022 589
36	Rod guide on the left complete		252 662		505	Shim0,5x12x75		236 654
37	Rod guide on the right complete		252 663		509	Pan-head screw M3x4		023 142
	a	Rod guide part	258 148		511	Shim0,03x8x28		023 452
	b	Spring rod	252 661		512	Shim0,05x8x28		023 020
	c	Compression spring	257 082					



5.14.1 Cams E12

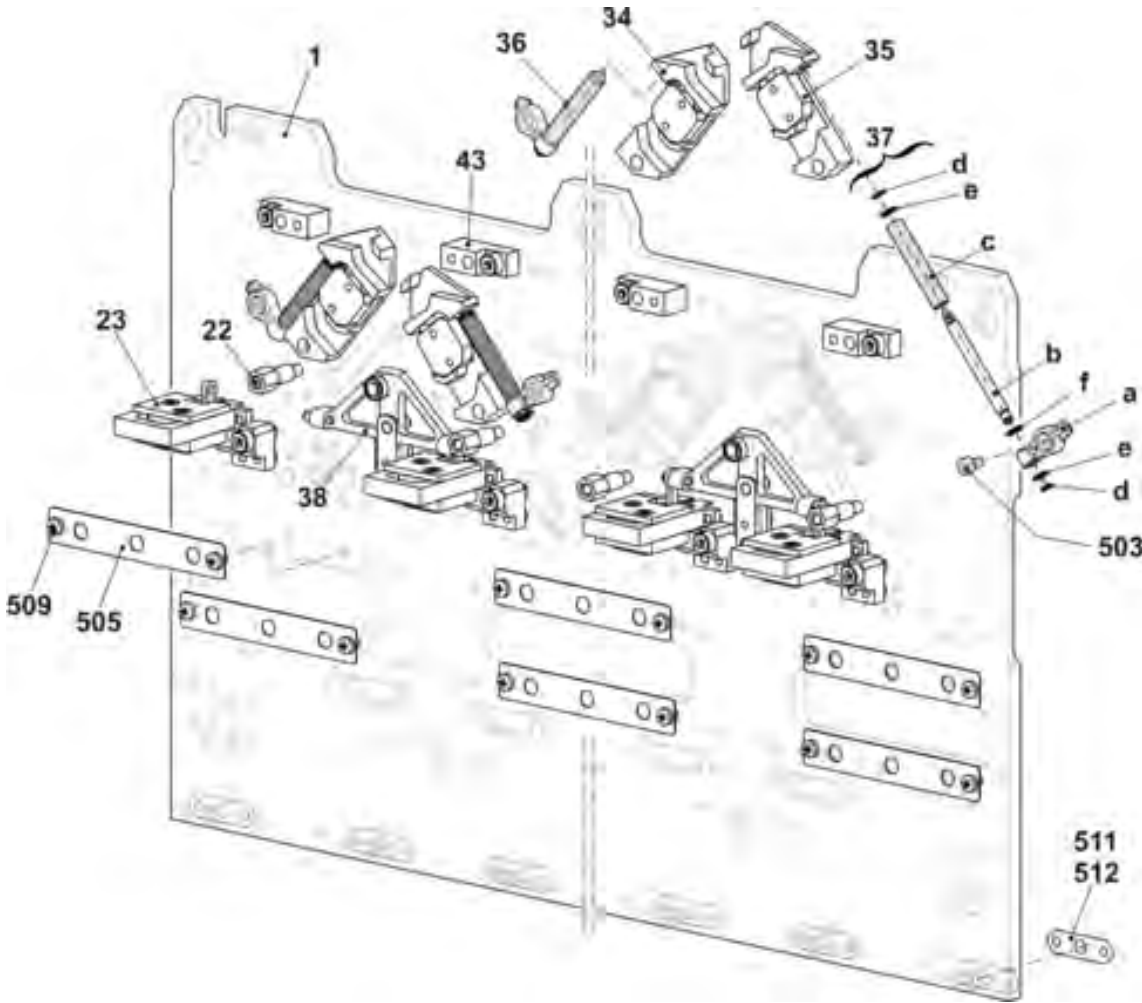
Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690		24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	256 691		25	Limiting cam E12-14	252 522
4	Entry cam at the top E10-18	256 689		26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021		27	Screw	210 335
6	Plate on the left E10-18	255 389		28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390		29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391		30	Tuck limiting cam E12-14	254 298
9	Entry cam on the right E10-18	255 392		31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540		32	Receiving cam E10 E12	251 997
11	Cam guide at the top E10-18	258 161		33	Raising cam without split-stitch E10 E12	254 334
12	Cam guide E10-18	255 541			Raising cam with split-stitch E10 E12	254 335
13	Cam on the left E10-18	255 613		39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614		40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left E10-18	251 886		41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768		49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152		50	Transfer pressure part	253 838
19	Selection cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875		510	Cap screw M3x8	020 081



5.15 Cam box E14

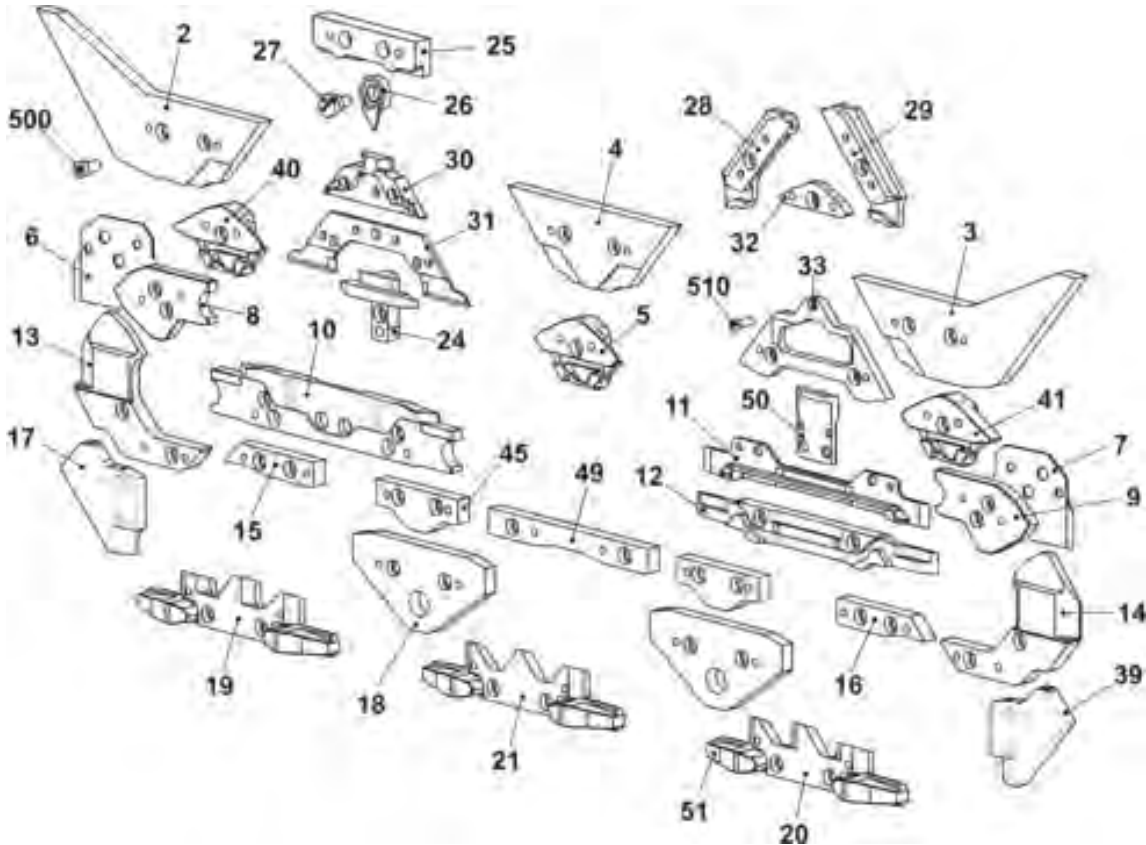
5.15 Cam box E14

Pos	Designation		Id		Pos	Designation		Id
Σ	Cam box set complete E14		259 249		37	d	Circlip	023 565
1	Cam plate E10-18		258 159			e	Disk	259 647
22	Stay bolt		254 839			f	Washer	022 893
23	Guide of pressure part complete		253 480		38	Slider pressure part complete		251 834
34	Loop sinking cam on the left completeE12-14		254 248		43	Holding piece		251 828
35	Loop sinking cam on the right completeE12-14		254 249		503	Cap screw M3x6		022 589
36	Rod guide on the left complete		252 662		505	Shim0,5x12x75		236 654
37	Rod guide on the right complete		252 663		509	Pan-head screw M3x4		023 142
	a	Rod guide part	258 148		511	Shim0,03x8x28		023 452
	b	Spring rod	252 661		512	Shim0,05x8x28		023 020
	c	Compression spring	257 082					



5.15.1 Cams E14

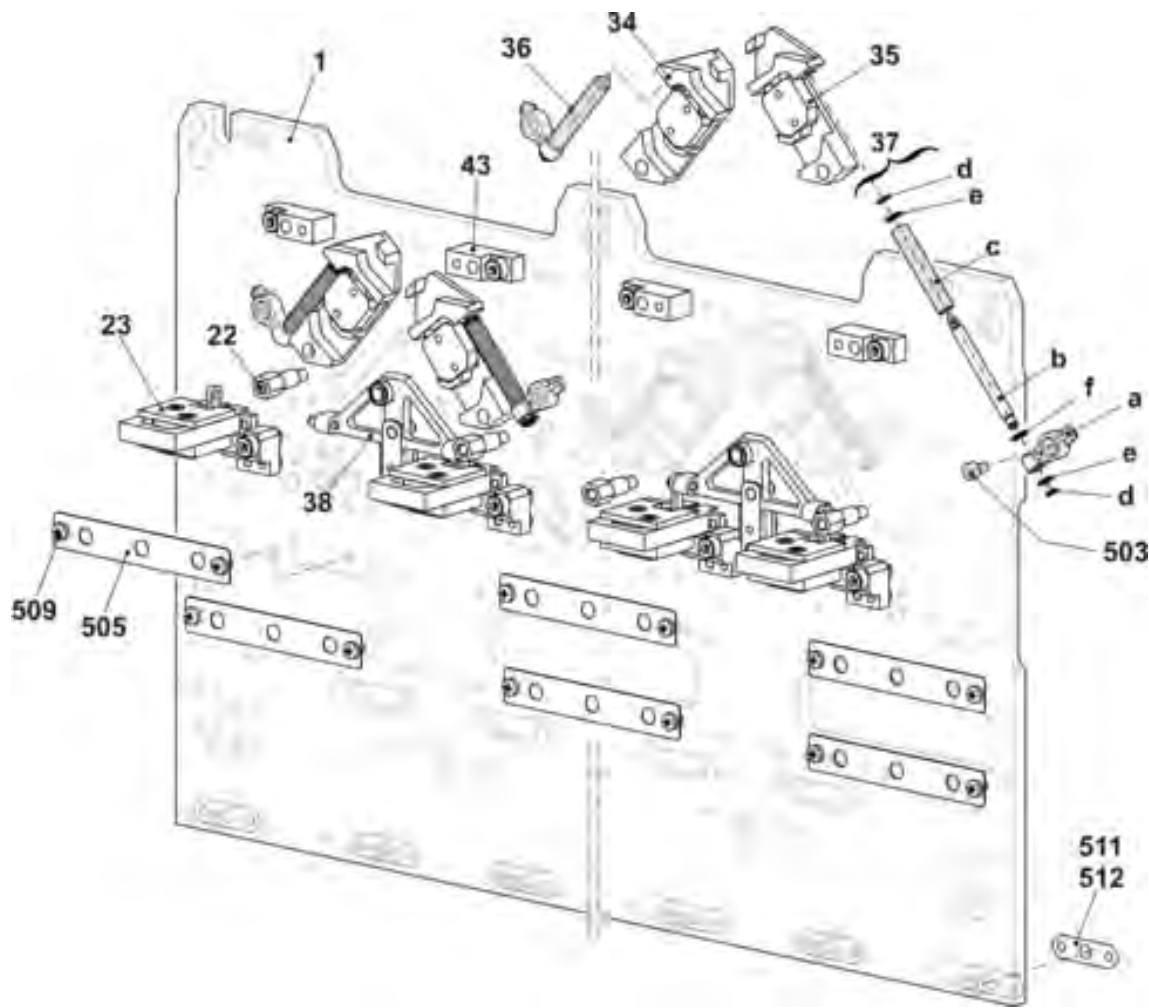
Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	256 691	25	Limiting cam E12-14	252 522
4	Entry cam at the top E10-18	256 689	26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021	27	Screw	210 335
6	Plate on the left E10-18	255 389	28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390	29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391	30	Tuck limiting cam E12 E14	254 298
9	Entry cam on the right E10-18	255 392	31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540	32	Receiving cam E14	252 607
11	Cam guide at the top E10-18	258 161	33	Raising cam without split-stitch E14	254 336
12	Cam guide E10-18	255 541		Raising cam with split-stitch E14	254 337
13	Cam on the left E10-18	255 613	39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614	40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left E10-18	251 886	41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right E10-18	251 887	45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768	49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152	50	Transfer pressure part	253 838
19	Selection cam on the left E10-18	251 876	51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877	500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875	510	Cap screw M3x8	020 081



5.16 Cam box E16

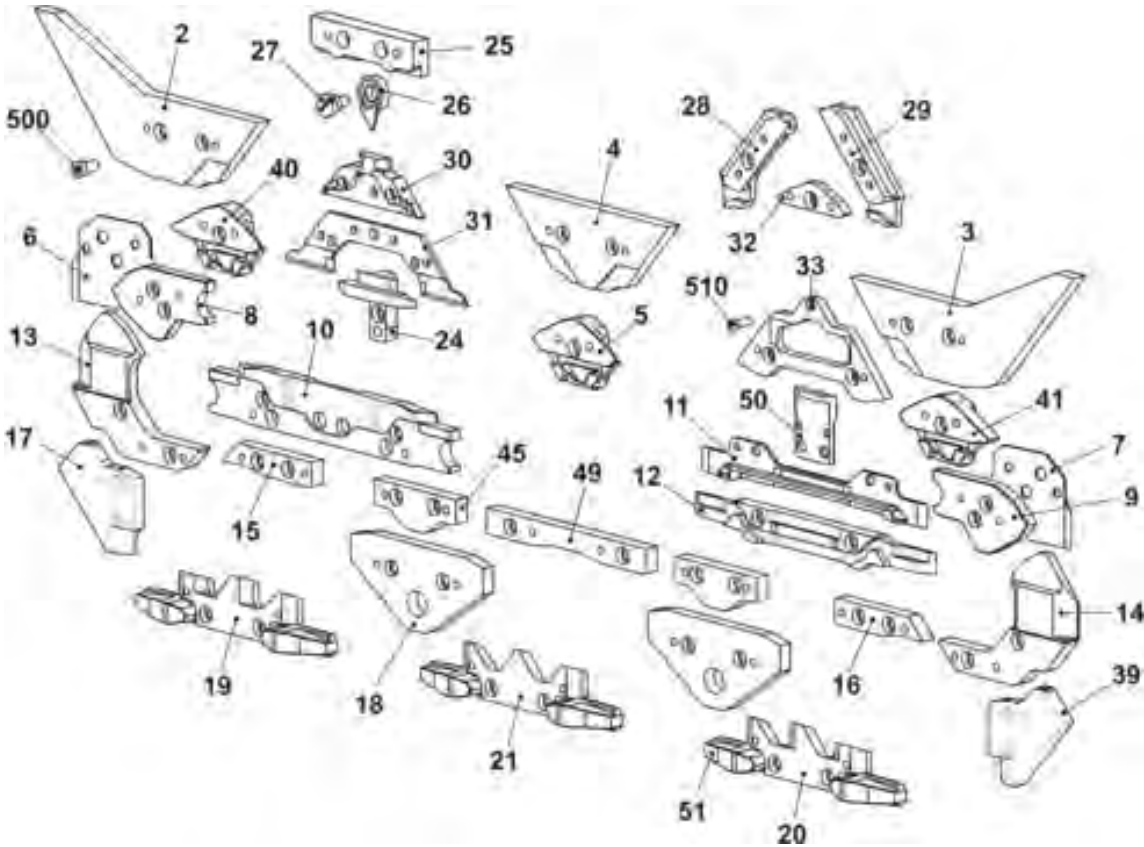
5.16 Cam box E16

Pos	Designation		Id		Pos	Designation		Id
Σ	Cam box set complete E16		259 250		37	d	Circlip	023 565
1	Cam plate E10-18		258 159			e	Disk	259 647
22	Stay bolt		254 839			f	Washer	022 893
23	Guide of pressure part complete		253 480		38	Slider pressure part complete		251 834
34	Loop sinking cam on the left completeE16-18		251 965		43	Holding piece		251 828
35	Loop sinking cam on the right completeE16-18		251 966		503	Cap screw M3x6		022 589
36	Rod guide on the left complete		252 662		505	Shim0,5x12x75		236 654
37	Rod guide on the right complete		252 663		509	Pan-head screw M3x4		023 142
	a	Rod guide part	258 148		511	Shim0,03x8x28		023 452
	b	Spring rod	252 661		512	Shim0,05x8x28		023 020
	c	Compression spring	257 082					



5.16.1 Cams E16

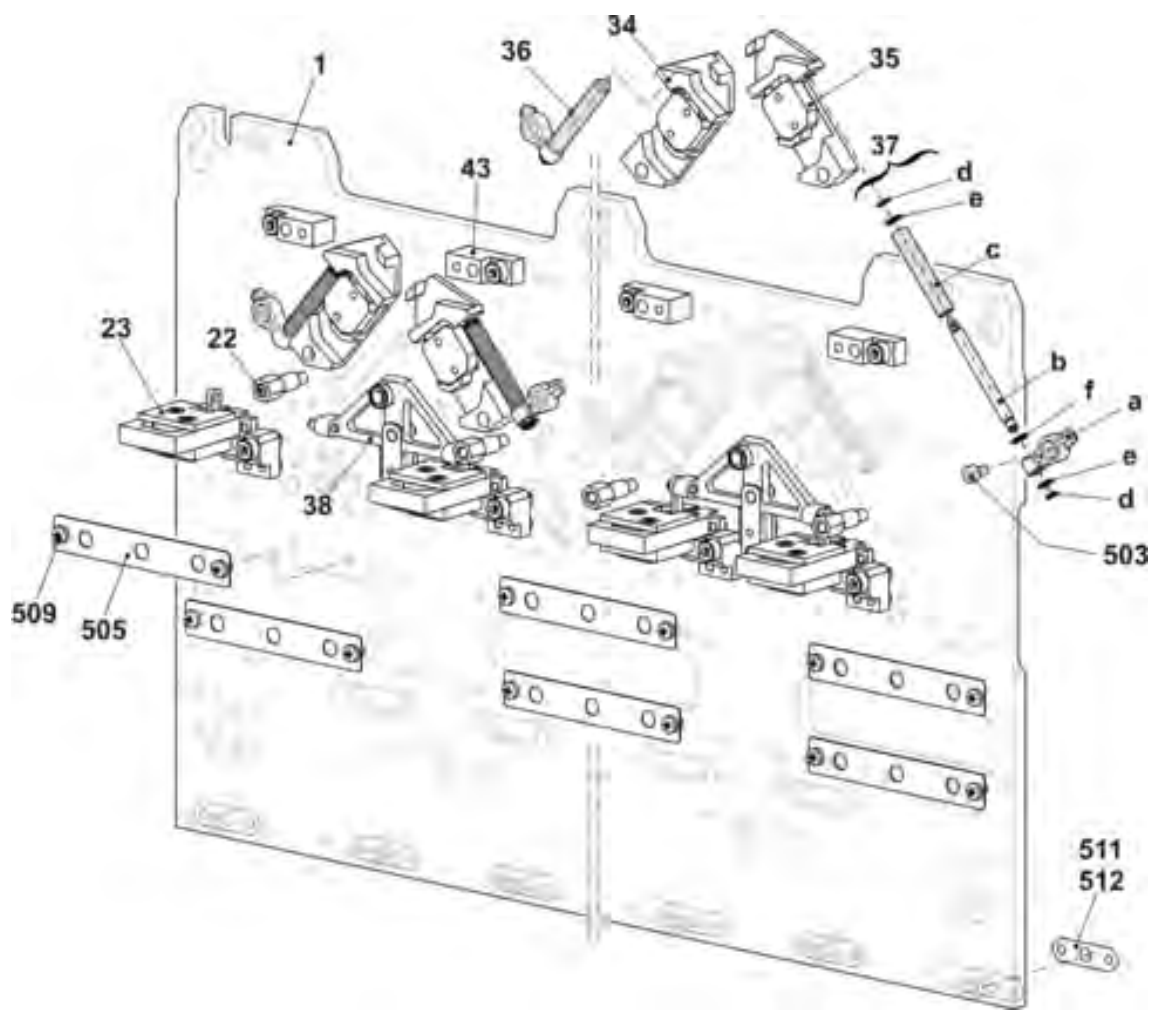
Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690		24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	256 691		25	Limiting cam E16-18	252 646
4	Entry cam at the top E10-18	256 689		26	Pointer E16-18	252 656
5	Knitting position cam E16-18 E8.2	255 027		27	Screw	210 335
6	Plate on the left E10-18	255 389		28	Stitch cam on the left E16-18 E8.2	254 338
7	Plate on the right E10-18	255 390		29	Stitch cam on the right E16-18 E8.2	254 339
8	Entry cam on the left E10-18	255 391		30	Tuck limiting cam E16-18	254 299
9	Entry cam on the right E10-18	255 392		31	Raising cam plate E10-18	251 992
10	Pressure strip E16-18	256 681		32	Receiving cam E16-18	252 654
11	Cam guide at the top E10-18	258 161		33	Raising cam without split-stitch E16-18	254 340
12	Cam guide E10-18	255 541			Raising cam with split-stitch E16-18	254 341
13	Cam on the left E10-18	255 613		39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614		40	Knitting position cam on the left E16-18 E8.2	255 028
15	Limiting cam on the left E10-18	251 886		41	Knitting position cam on the right E16-18 E8.2	255 029
16	Limiting cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768		49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152		50	Transfer pressure part	253 838
19	Selection cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875		510	Cap screw M3x8	020 081



5.17 Cam box E12m.10

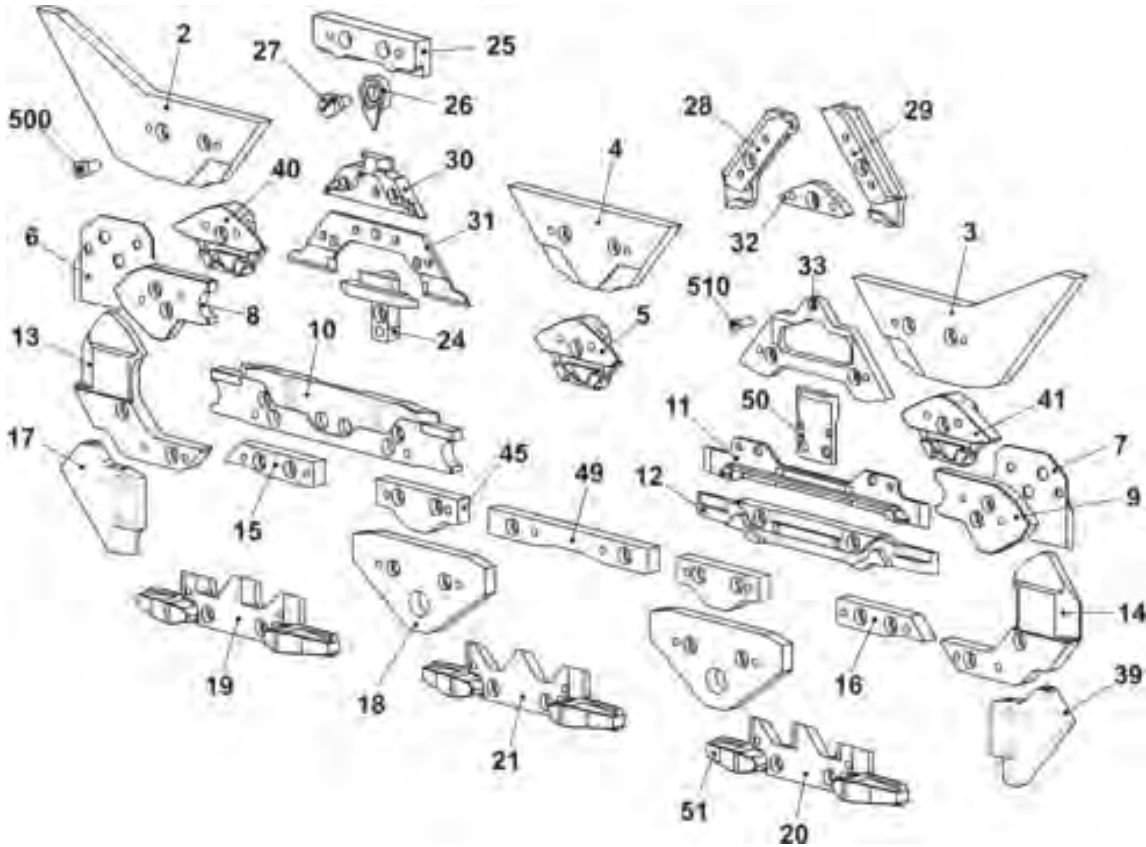
5.17 Cam box E12m.10

Pos	Designation		Id		Pos	Designation		Id
Σ	Cam box set complete E12m.10		259 251		37	d	Circlip	023 565
1	Cam plate E10-18		258 159			e	Disk	259 647
22	Stay bolt		254 839			f	Washer	022 893
23	Guide of pressure part complete		253 480		38	Slider pressure part complete		251 834
34	Loop sinking cam on the left completeE12-14		254 248		43	Holding piece		251 828
35	Loop sinking cam on the right completeE12-14		254 249		503	Cap screw M3x6		022 589
36	Rod guide on the left complete		252 662		505	Shim0,5x12x75		236 654
37	Rod guide on the right complete		252 663		509	Pan-head screw M3x4		023 142
	a	Rod guide part	258 148		511	Shim0,03x8x28		023 452
	b	Spring rod	252 661		512	Shim0,05x8x28		023 020
	c	Compression spring	257 082					



5.17.1 Cams E12m.10

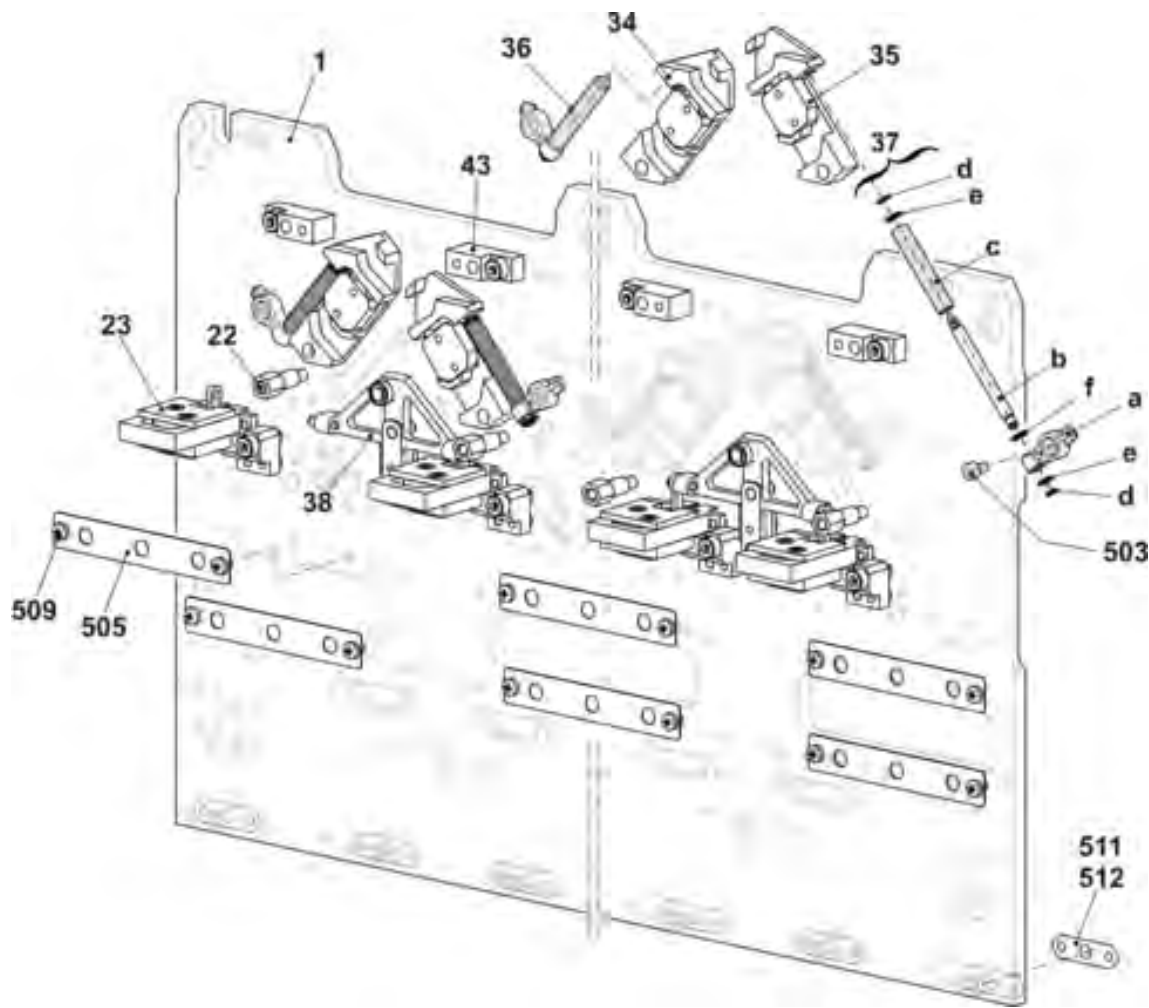
Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690		24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	256 691		25	Limiting cam E10 E7.2	251 993
4	Entry cam at the top E10-18	256 689		26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021		27	Screw	210 335
6	Plate on the left E10-18	255 389		28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390		29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391		30	Tuck limiting cam E10 E7.2	254 295
9	Entry cam on the right E10-18	255 392		31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540		32	Receiving cam E10-12	251 997
11	Cam guide at the top E10-18	258 161		33	Raising cam without split-stitch E10-12	254 334
12	Cam guide E10-18	255 541			Raising cam with split-stitch E10-12	254 335
13	Cam on the left E10-18	255 613		39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614		40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left E10-18	251 886		41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768		49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152		50	Transfer pressure part	253 838
19	Selection cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875		510	Cap screw M3x8	020 081



5.18 Cam box E6.2

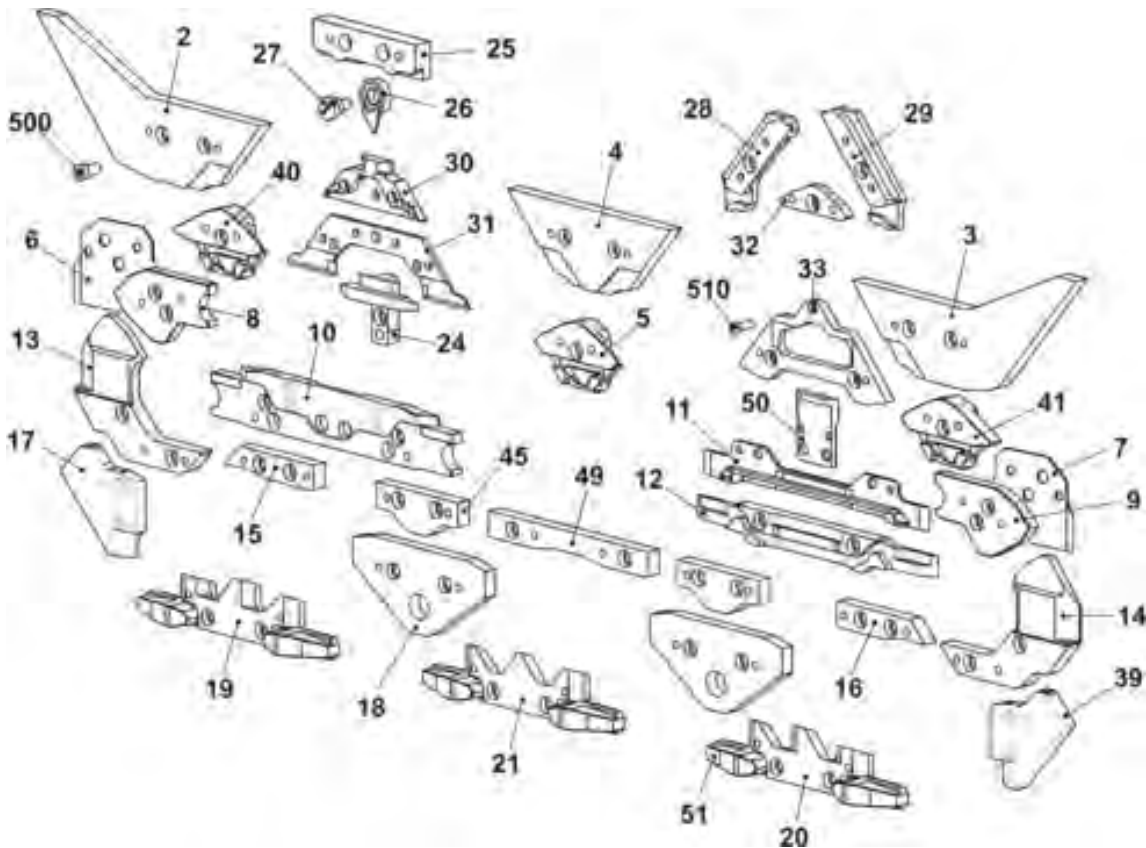
5.18 Cam box E6.2

Pos	Designation		Id		Pos	Designation		Id
Σ	Cam box set complete E6.2		259 252		37	d	Circlip	023 565
1	Cam plate E10-18		258 159			e	Disk	259 647
22	Stay bolt		254 839			f	Washer	022 893
23	Guide of pressure part complete		253 480		38	Slider pressure part complete		251 834
34	Loop sinking cam on the left completeE12-14		254 248		43	Holding piece		251 828
35	Loop sinking cam on the right completeE12-14		254 249		503	Cap screw M3x6		022 589
36	Rod guide on the left complete		252 662		505	Shim0,5x12x75		236 654
37	Rod guide on the right complete		252 663		509	Pan-head screw M3x4		023 142
	a	Rod guide part	258 148		511	Shim0,03x8x28		023 452
	b	Spring rod	252 661		512	Shim0,05x8x28		023 020
	c	Compression spring	257 082					



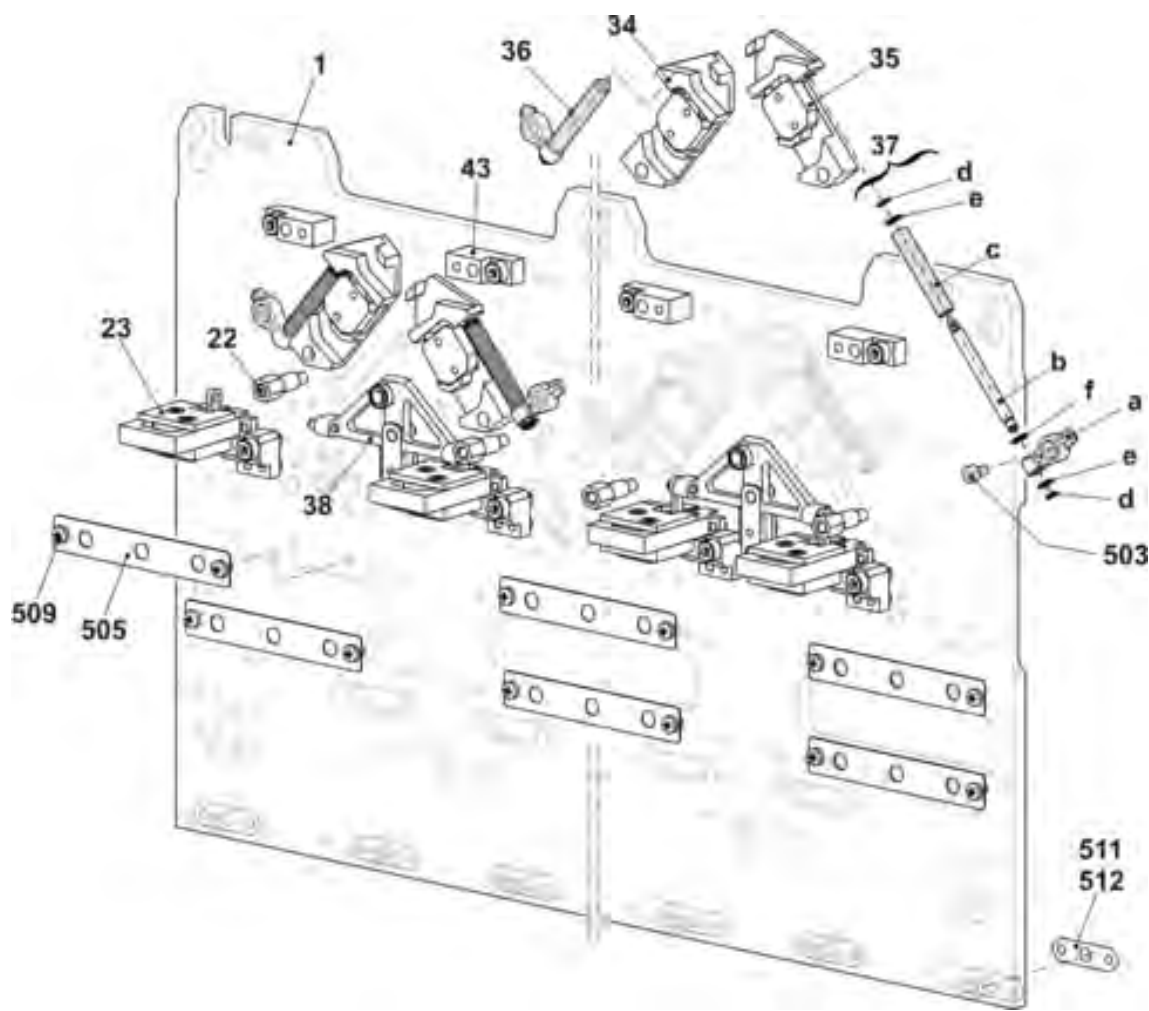
5.18.1 Cams E6.2

Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690		24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	256 691		25	Limiting cam E6.2	252 955
4	Entry cam at the top E10-18	256 689		26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021		27	Screw	210 335
6	Plate on the left E10-18	255 389		28	Stitch cam on the left E6.2	254 342
7	Plate on the right E10-18	255 390		29	Stitch cam on the right E6.2	254 343
8	Entry cam on the left E10-18	255 391		30	Tuck limiting cam E6.2	254 301
9	Entry cam on the right E10-18	255 392		31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540		32	Receiving cam E6.2	252 960
11	Cam guide at the top E10-18	258 161		33	Raising cam without split-stitch E6.2	254 344
12	Cam guide E10-18	255 541			Raising cam with split-stitch E6.2	254 345
13	Cam on the left E10-18	255 613		39	Cam at the right E10-E18	259 769
14	Cam at the right E10-18	255 614		40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left E10-18	251 886		41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768		49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152		50	Transfer pressure part	253 838
19	Selection cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875		510	Cap screw M3x8	020 081



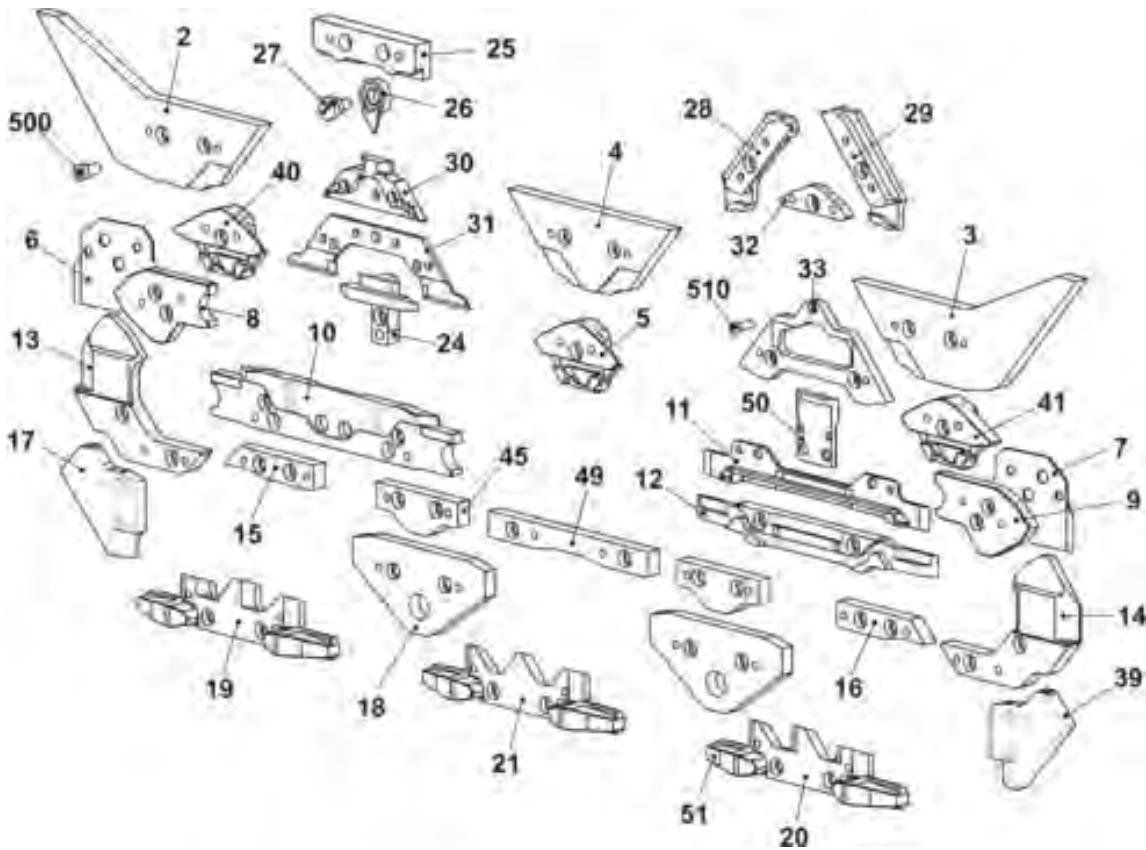
5.19 Cam box E7.2

Pos	Designation		Id		Pos	Designation		Id
Σ	Cam box set complete E7.2		259 253		37	d	Circlip	023 565
1	Cam plate E10-18		258 159			e	Disk	259 647
22	Stay bolt		254 839			f	Washer	022 893
23	Guide of pressure part complete		253 480		38	Slider pressure part complete		251 834
34	Loop sinking cam on the left completeE12-14		254 248		43	Holding piece		251 828
35	Loop sinking cam on the right completeE12-14		254 249		503	Cap screw M3x6		022 589
36	Rod guide on the left complete		252 662		505	Shim0,5x12x75		236 654
37	Rod guide on the right complete		252 663		509	Pan-head screw M3x4		023 142
	a	Rod guide part	258 148		511	Shim0,03x8x28		023 452
	b	Spring rod	252 661		512	Shim0,05x8x28		023 020
	c	Compression spring	257 082					



5.19.1 Cams E7.2

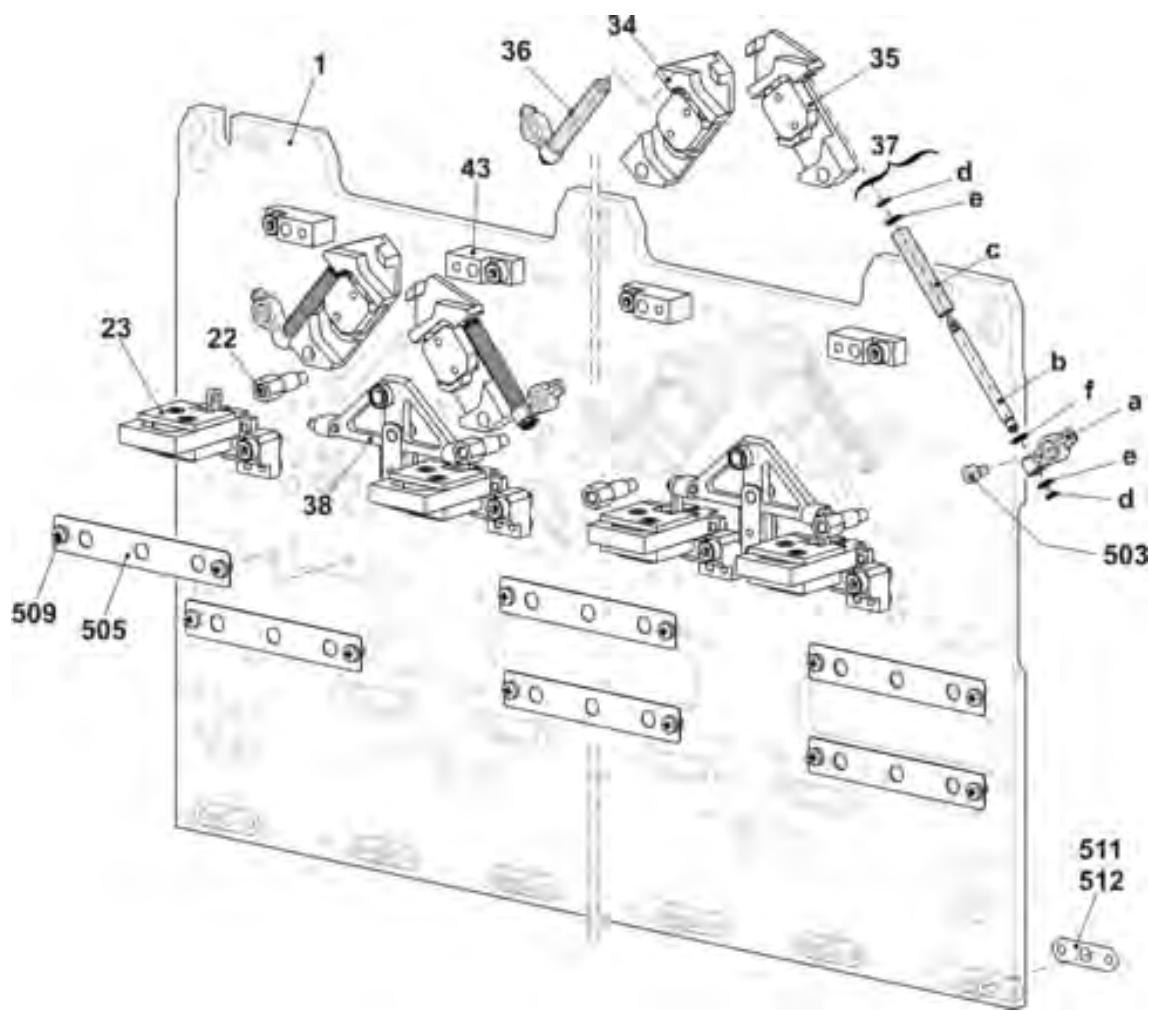
Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690		24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	256 691		25	Limiting cam E10 E7.2	251 993
4	Entry cam at the top E10-18	256 689		26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	255 021		27	Screw	210 335
6	Plate on the left E10-18	255 389		28	Stitch cam on the left E10-14 E7.2	254 331
7	Plate on the right E10-18	255 390		29	Stitch cam on the right E10-14 E7.2	254 332
8	Entry cam on the left E10-18	255 391		30	Tuck limiting cam E10 E7.2	254 295
9	Entry cam on the right E10-18	255 392		31	Raising cam plate E10-18	251 992
10	Pressure strip E10-14	255 540		32	Receiving cam E10-12	251 997
11	Cam guide E10-18	258 161		33	Raising cam without split-stitch E10-12	254 334
12	Cam guide E10-18	255 541			Raising cam with split-stitch E10-12	254 335
13	Cam on the left E10-18	255 613		39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614		40	Knitting position cam on the left E10-14 E6.2 E7.2	255 022
15	Limiting cam on the left E10-18	251 886		41	Knitting position cam on the right E10-14 E6.2 E7.2	255 023
16	Limiting cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768		49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152		50	Transfer pressure part	253 838
19	Selection cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875		510	Cap screw M3x8	020 081



5.20 Cam box E8.2

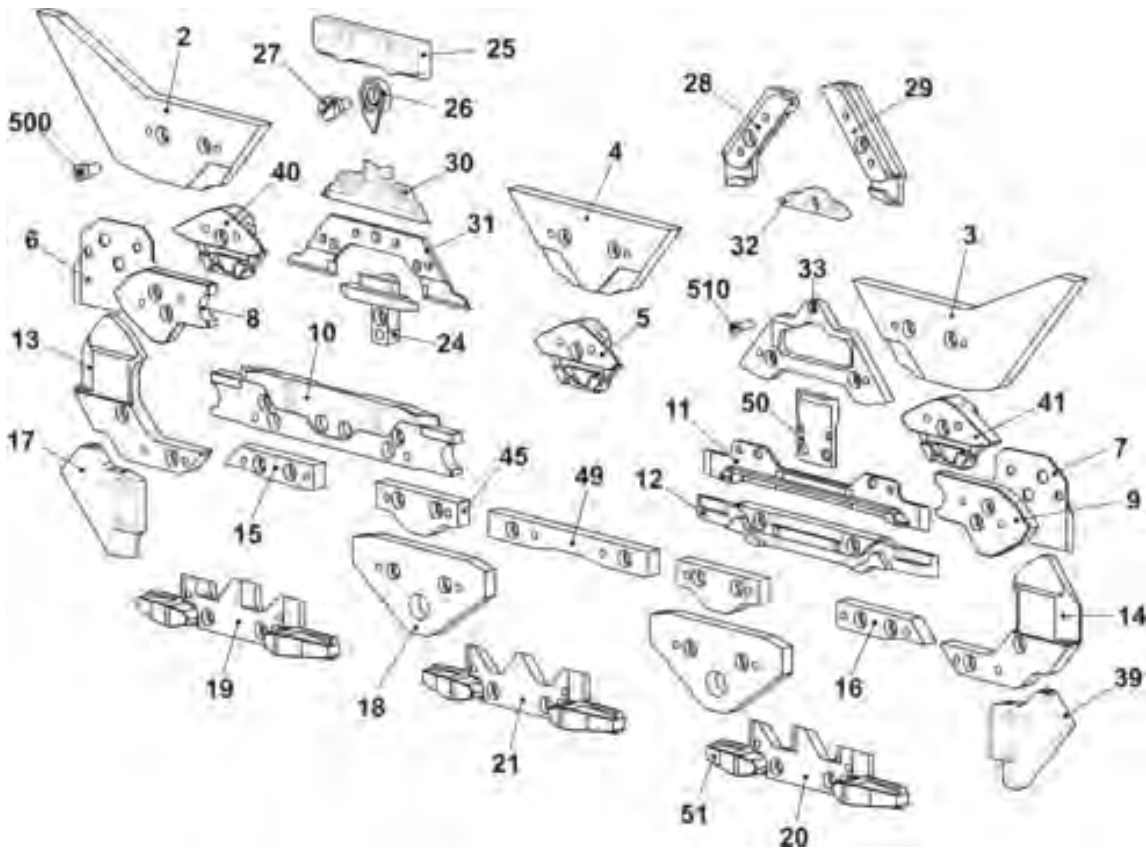
5.20 Cam box E8.2

Pos	Designation		Id		Pos	Designation		Id
Σ	Cam box set complete E8.2		259 253		37	d	Circlip	023 565
1	Cam plate E10-18		258 159			e	Disk	259 647
22	Stay bolt		254 839			f	Washer	022 893
23	Guide of pressure part complete		253 480		38	Slider pressure part complete		251 834
34	Loop sinking cam on the left completeE16-18		251 965		43	Holding piece		251 828
35	Loop sinking cam on the right completeE16-18		251 966		503	Cap screw M3x6		022 589
36	Rod guide on the left complete		252 662		505	Shim0,5x12x75		236 654
37	Rod guide on the right complete		252 663		509	Pan-head screw M3x4		023 142
	a	Rod guide part	258 148		511	Shim0,03x8x28		023 452
	b	Spring rod	252 661		512	Shim0,05x8x28		023 020
	c	Compression spring	257 082					



5.20.1 Cams E8.2

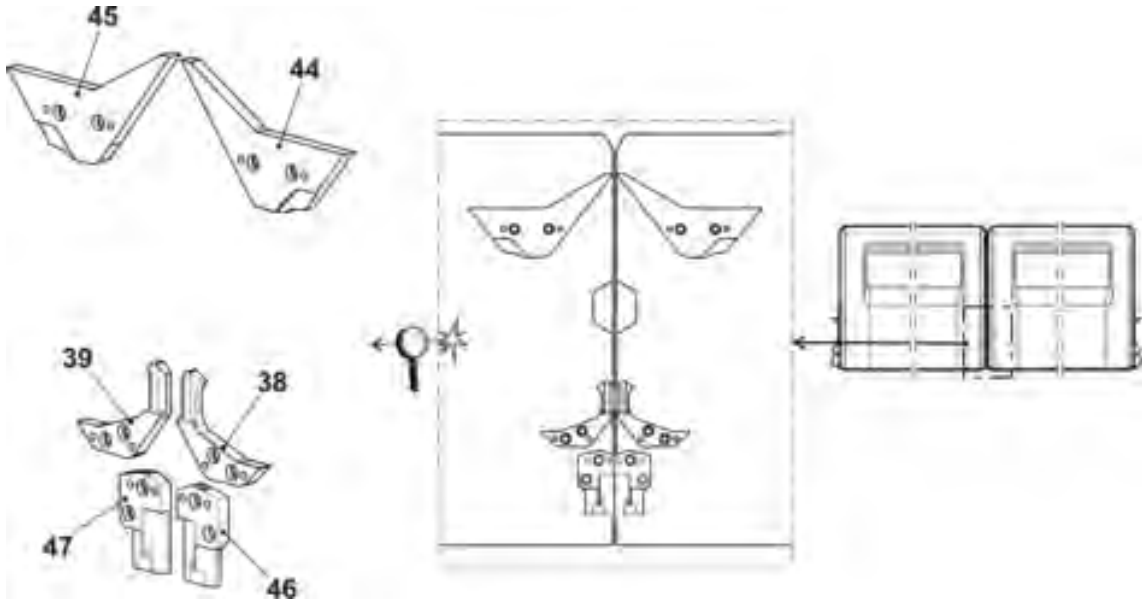
Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690		24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	256 691		25	Limiting cam E8.2	260 901
4	Entry cam at the top E10-18	256 689		26	Pointer E16-18	252 656
5	Knitting position cam E16-18 E8.2	255 027		27	Screw	210 335
6	Plate on the left E10-18	255 389		28	Stitch cam on the left E16-18 E8.2	254 338
7	Plate on the right E10-18	255 390		29	Stitch cam on the right E16-18 E8.2	254 339
8	Entry cam on the left E10-18	255 391		30	Tuck limiting cam E8.2	260 902
9	Entry cam on the right E10-18	255 392		31	Raising cam plate E10-18	251 992
10	Pressure strip E16-18	256 681		32	Receiving cam E8.2	260 903
11	Cam guide at the top E10-18	258 161		33	Raising cam without split-stitch E16-18	254 340
12	Cam guide E10-18	255 541			Raising cam with split-stitch E16-18	254 341
13	Cam on the left E10-18	255 613		39	Cam at the right E10-18	259 769
14	Cam at the right E10-18	255 614		40	Knitting position cam on the left E16-18 E8.2	255 028
15	Limiting cam on the left E10-18	251 886		41	Knitting position cam on the right E16-18 E8.2	255 029
16	Limiting cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	259 768		49	Limiting cam E10-18	251 885
18	Cam E10-18	258 152		50	Transfer pressure part	253 838
19	Selection cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selection cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selection cam E10-18	251 875		510	Cap screw M3x8	020 081



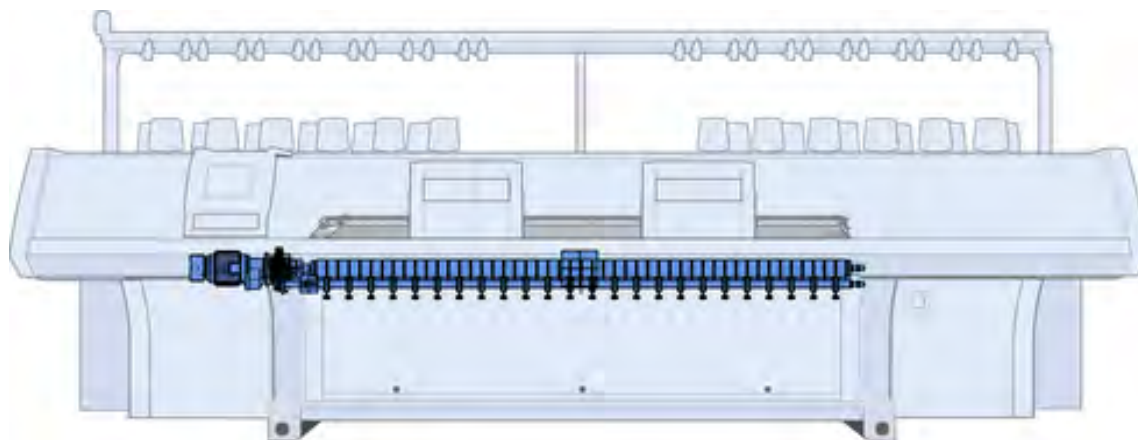
5.21 Cams for narrow coupling

5.21 Cams for narrow coupling

Pos	Designation	Id		Pos	Designation	Id
38	Cam on the left E10-18	252 002		45	Entry cam on the right at the top E10-18	256 697
39	Cam at the right E10-18	252 003		46	Cam on the left E10-18	258 155
44	Entry cam on the left at the top E10-18	256 696		47	Cam at the right E10-18	258 156

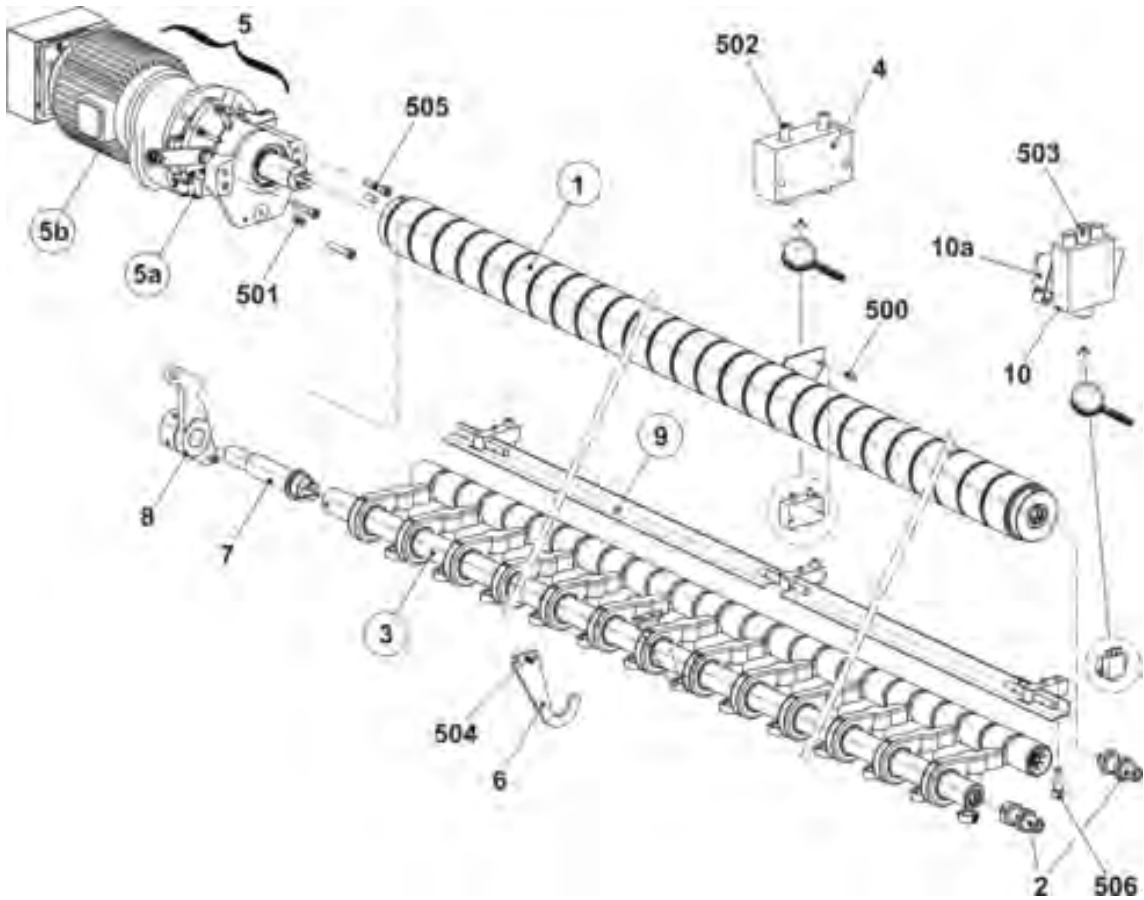


6 Main take-down



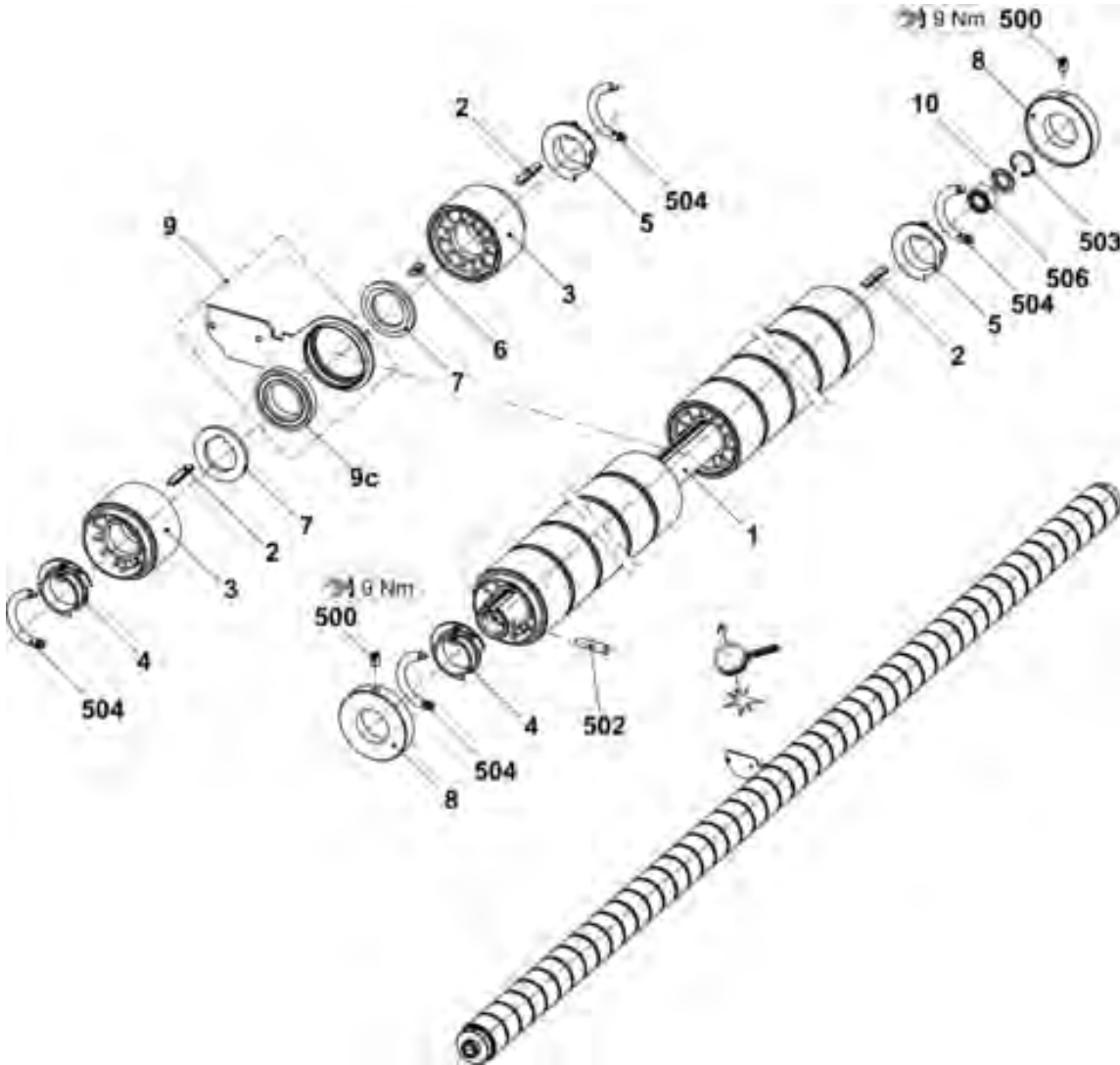
6.1 Main take-down

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

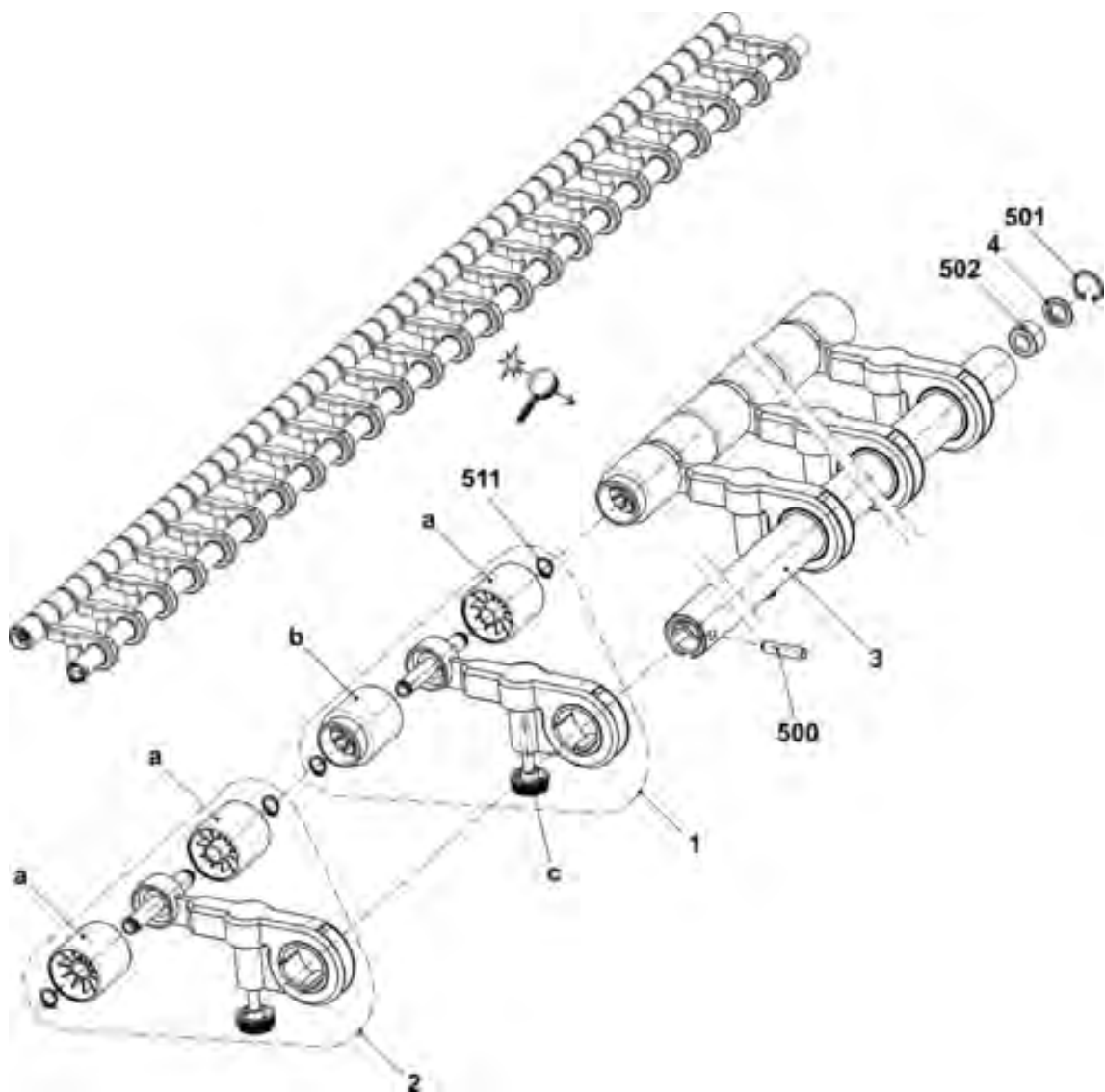
Pos	Designation	ID		Pos	Designation	ID
Σ	Take-down roller complete	211 170				
1	Wave	211 111		9	Support	204 462
2	Spacer slide	204 340			9c Grooved ball bearing16007	021 697
3	Roller	236 169		10	Spacing ring	030 689
4	Stop ring on the left	204 369		500	SetscrewM8x12-45H	023 393
5	Stop ring on the right	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

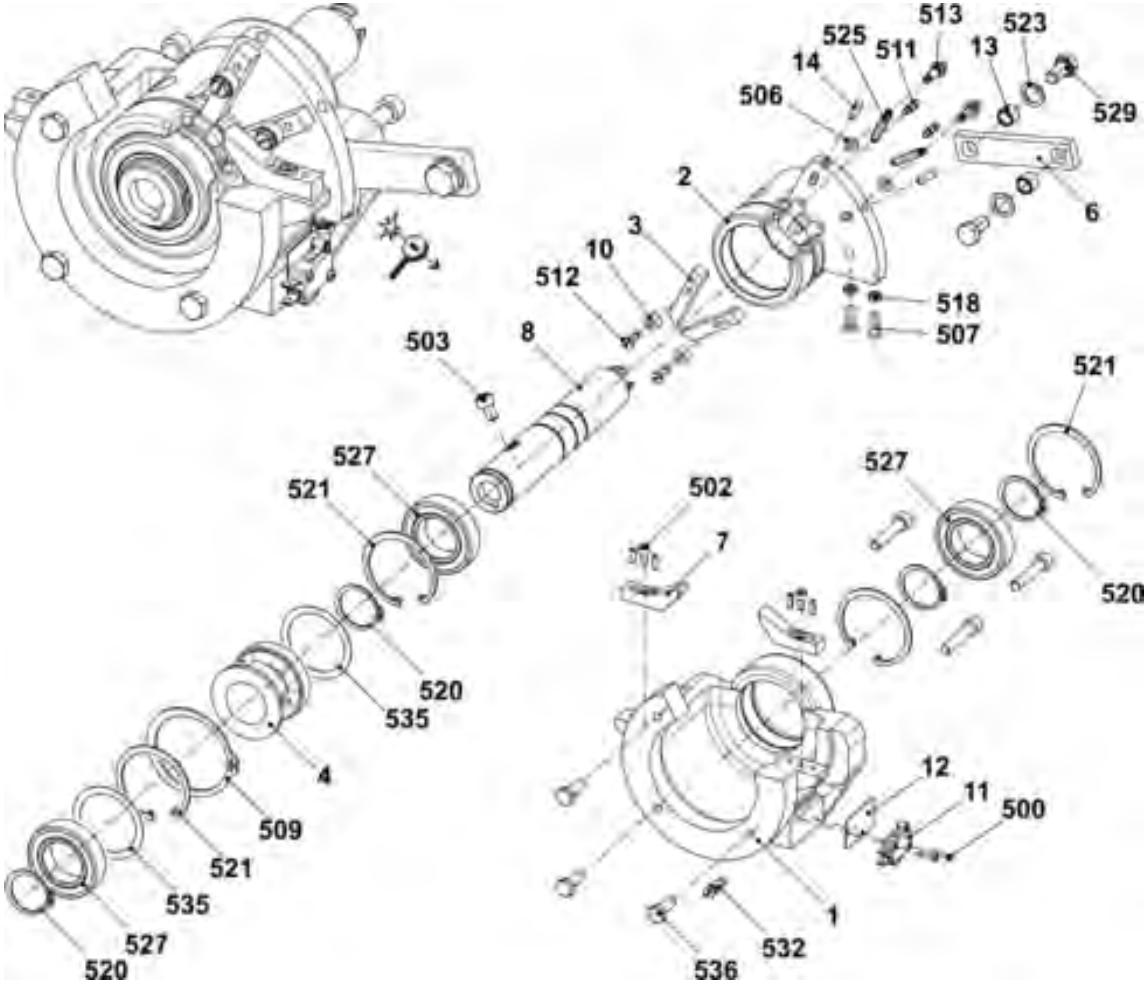
6.1.2 Contact shaft

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

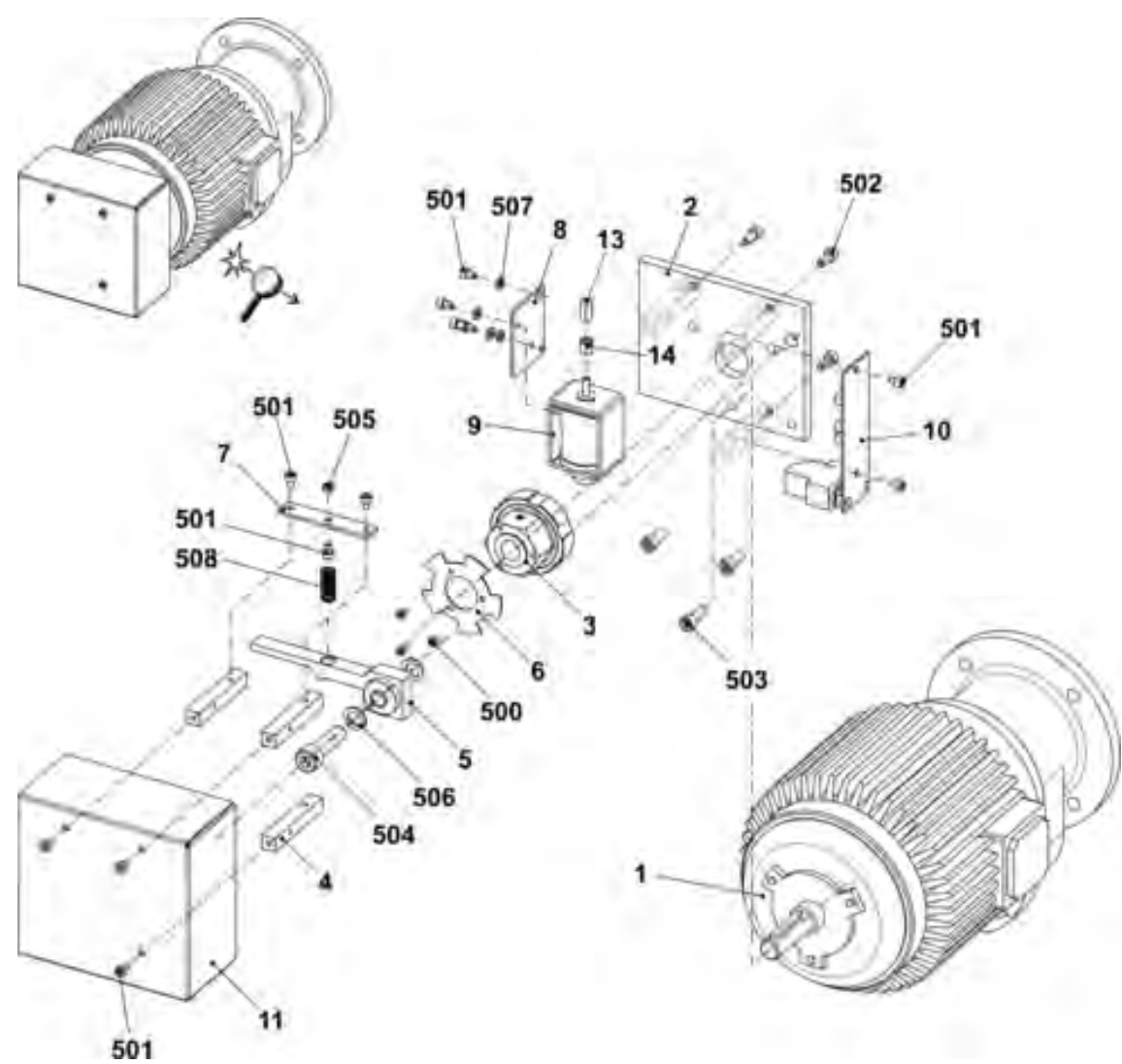
Pos	Designation	ID		Pos	Designation	ID
Σ	Take-down gear assembly complete	211 172		506	Washer6,4x12x0,3	022 737
1	Main bearing	204 292		507	Hexagon screw M6x16	020 356
2	Bearing housing	204 293		509	Retaining ring80x2,5	023 225
3	Slider	204 314		511	Shoulder screwM5x11x17	204 318
4	Driver sleeve	204 313		512	Shoulder screw M5x8x8	020 247
6	Bracket	204 323		513	Shoulder screwM5x12,5x29-5.8	204 317
7	Ramp	209 281		518	Hexagon nut M6-04	020 855
8	Drive shaft	211 127		520	Retaining ring35x1,5	023 139
10	Roll	207 077		521	Retaining 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 screwM6x17x24-5.8	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

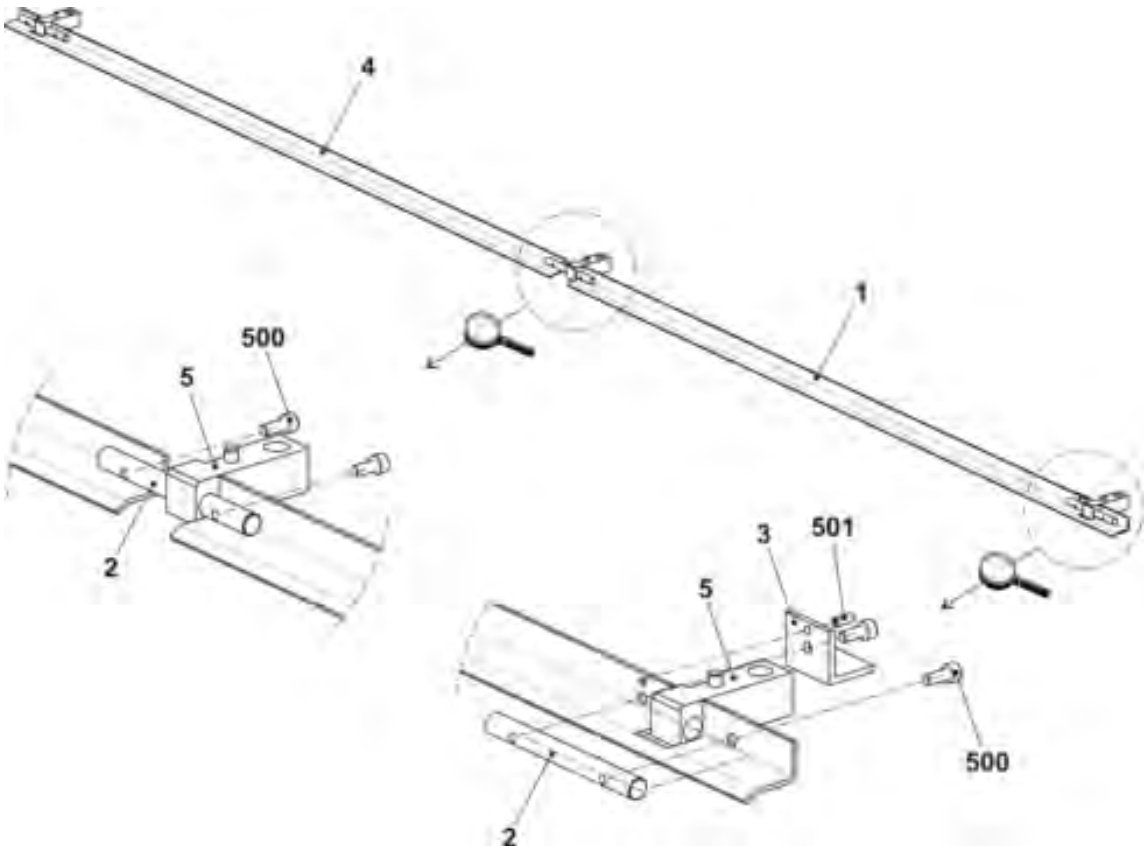
6.1.4 Take-down motor with block

Pos	Designation	ID		Pos	Designation	ID
Σ	Take-down motor with block	244 449				
1	Motor of main take-down	217 602		13	Thrust 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	Bolt	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 nut M4-6	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 spring 0,7x8,8x35	023 028



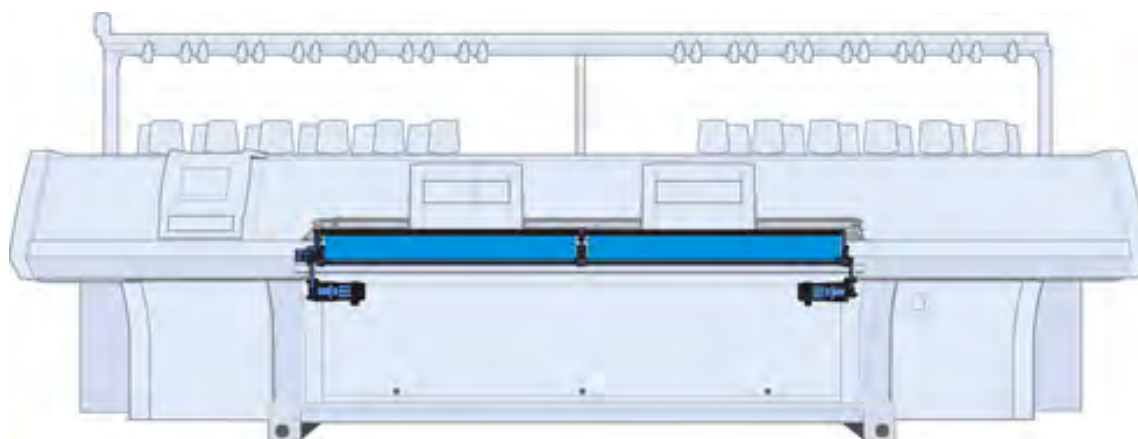
6.1.5 Fabric stripper

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



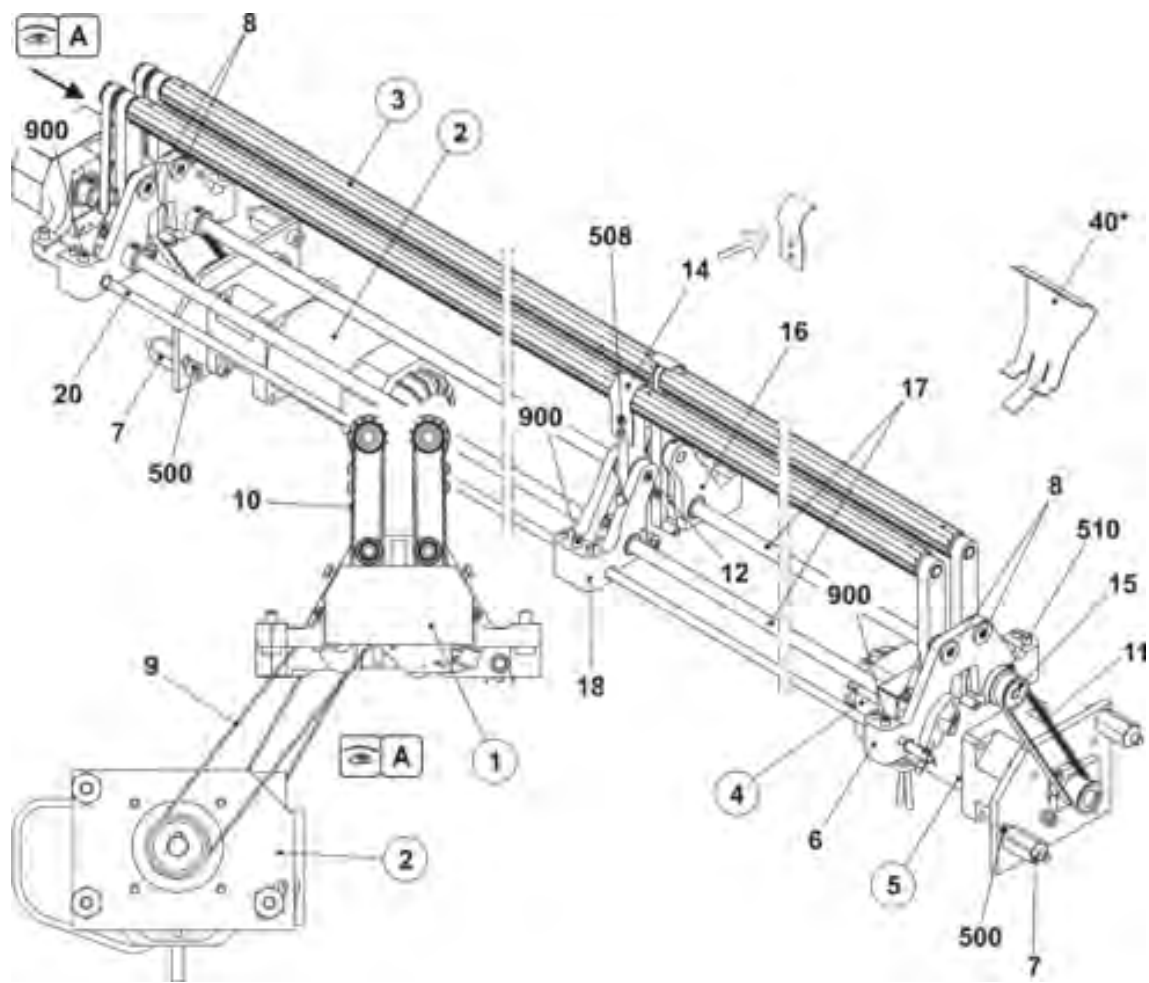
Notes:

7 Auxiliary take-down



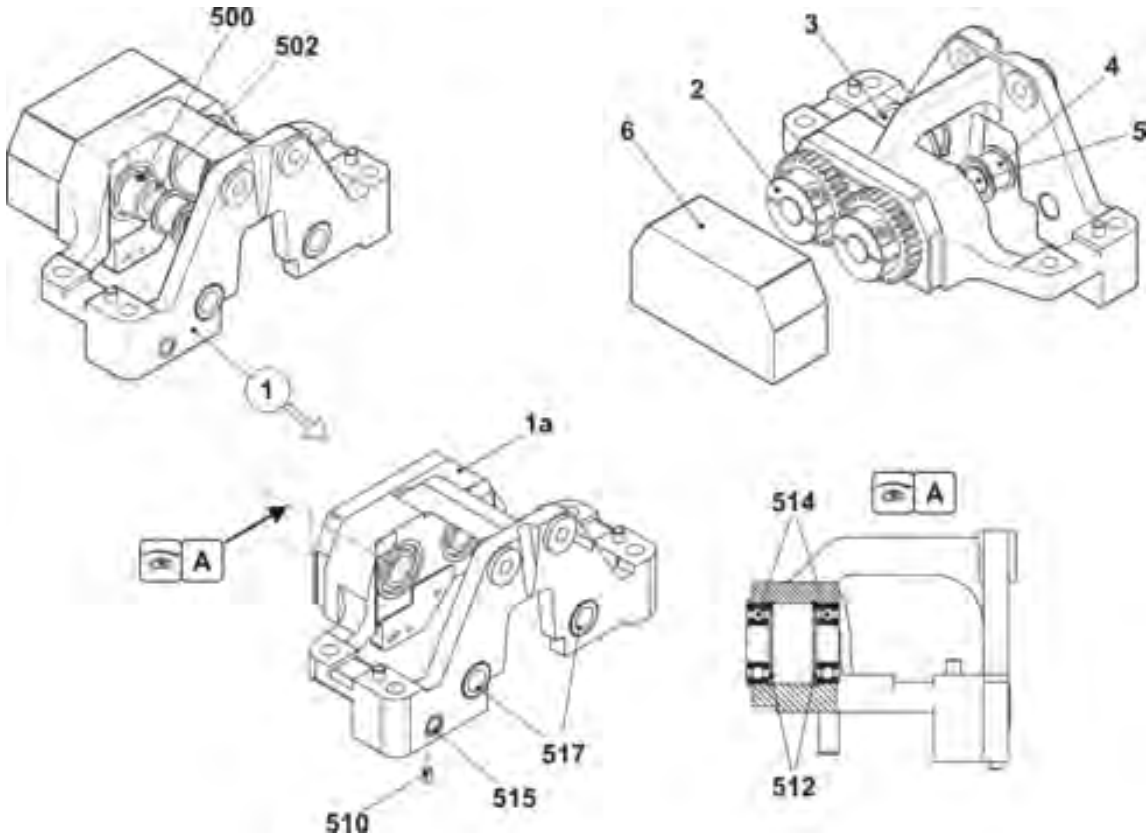
7.1 Auxiliary take-down

Pos	Designation	ID		Pos	Designation	ID
Σ	Auxiliary take-down	239 084		12	Bolt	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	Shaft	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 bar	211 195
7	Stay bolt	238 991		40*	Fabric sensor	208 200
8	Bolt	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

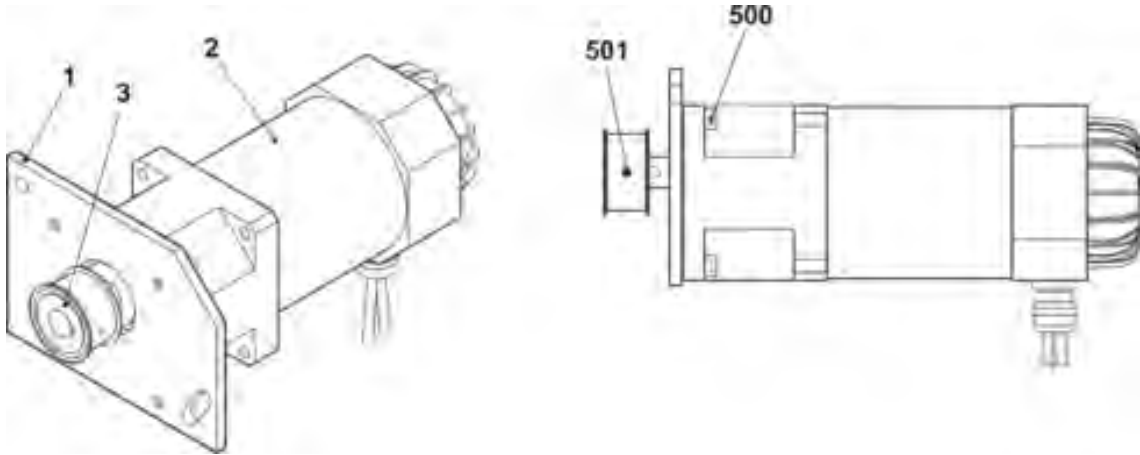
Pos	Designation		ID		Pos	Designation		ID
Σ	Main bearing complete		239 081					
1	Main bearing pre-assembled		227 529		2	Gear wheel		209 428
	1a	Main bearing	210 610		3	Timing belt pulley		209 436
	510	Setscrew M5x6	022 580		4	Timing belt pulley		210 555
	512	Retaining ring32x1,2	023 355		5	Shaft		211 141
	514	Grooved ball bearing 6002-2ZY	023 217		6	Cover		211 357
	515	Slide bearing MSM-0812-08	023 353		500	Setscrew M6x5		023 192
	517	Slide bearing GFM-121418-10	023 352		502	Set collarA12		020 935



7.1 Auxiliary take-down

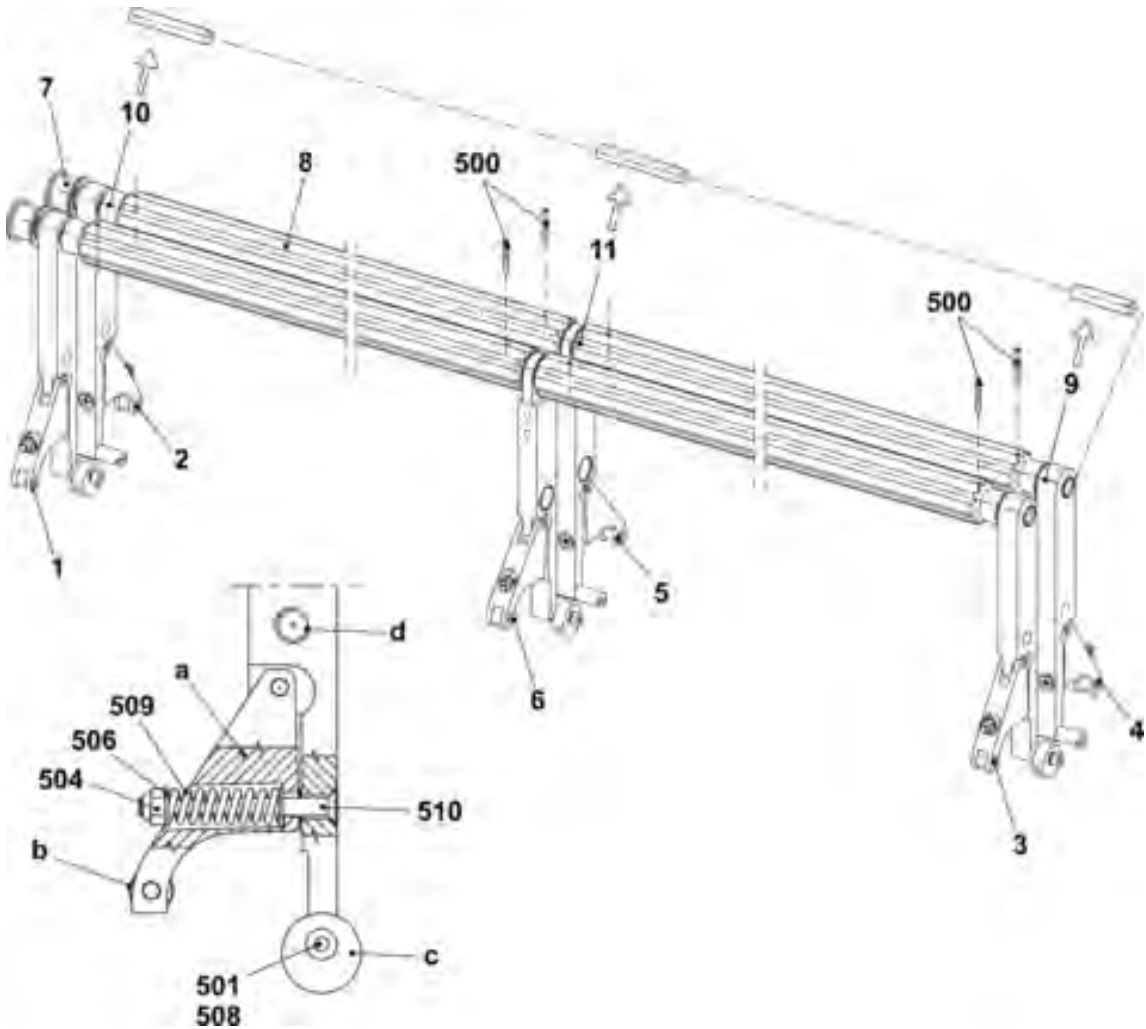
7.1.2 Motor on the left

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	Setscrew M4x6	023 088



7.1.3 Take-down roller

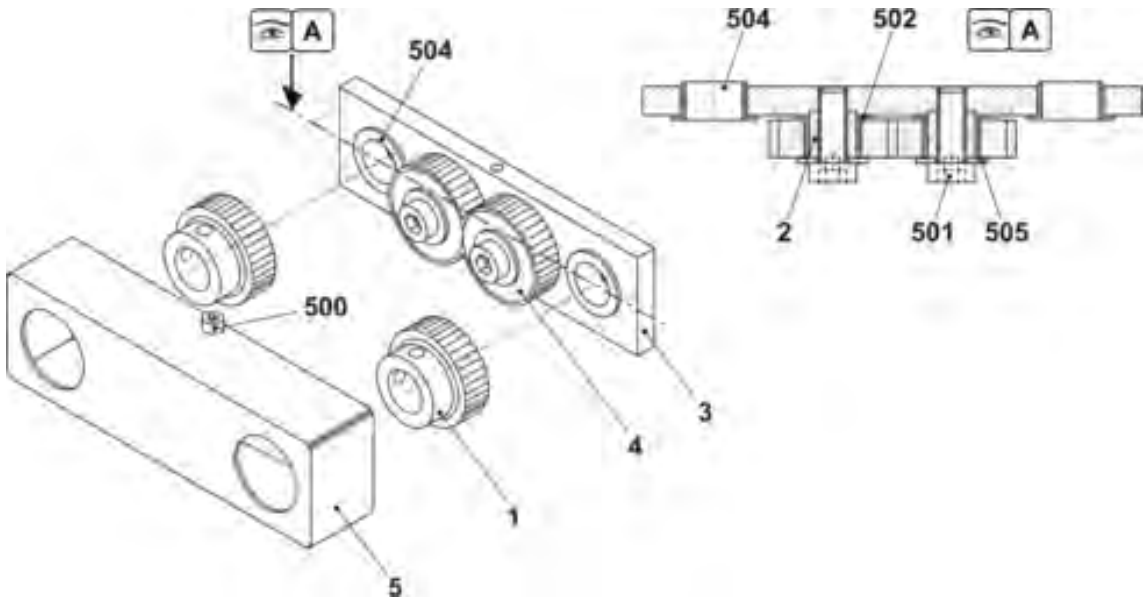
Pos	Designation	ID		Pos	Designation	ID	
Σ	Take-down roller complete	227 517					
1	Lever at the front on the left complete	227 511		500	Spring dowel sleeve 3x20		020 776
2	Lever at the rear on the left complete	227 512		1-6	a	Tilting lever	208 434
3	Lever at the front on the right complete	227 515			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 nut M4-6	023 046
8	Take-down roller	225 783			506	Washer4-200HV	020 870
9	Bolt	225 782			508	CirclipS4	022 774
10	Bolt	225 781			509	Compression spring 1,6x6,4x27,1	023 288
11	Bolt	225 536	510	Pan-head screw M4x45	023 291		



7.1 Auxiliary take-down

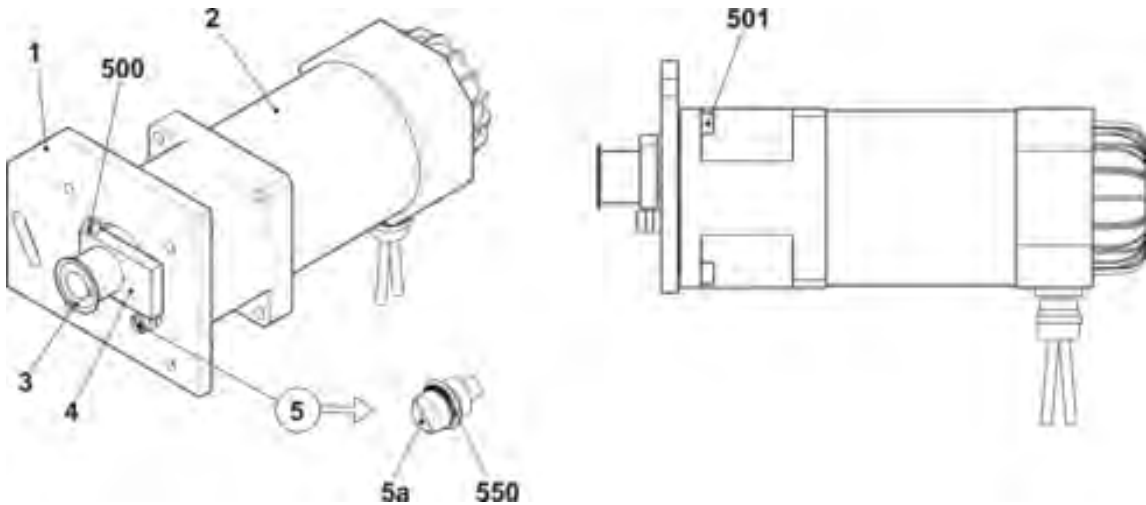
7.1.4 Gear unit

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

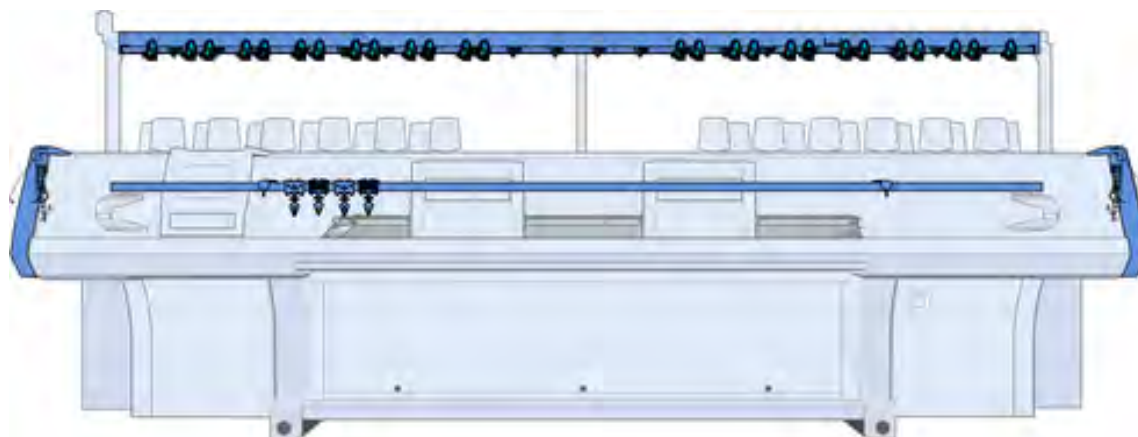
Pos	Designation	ID		Pos	Designation	ID
Σ	Motor biphase complete	239 073		5	Stop point complete	208 921
1	Plate for motor	238 069		5a	Stop point	207 617
2	Motor	234 805		550	O-ring 6x3	022 856
3	Timing belt pulleyZ 16 T 5	238 086		500	Cap screw M5x25	023 523
4	Clamping lever	238 084		501	Cap screw M6x16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



7.1 Auxiliary take-down

Notes:

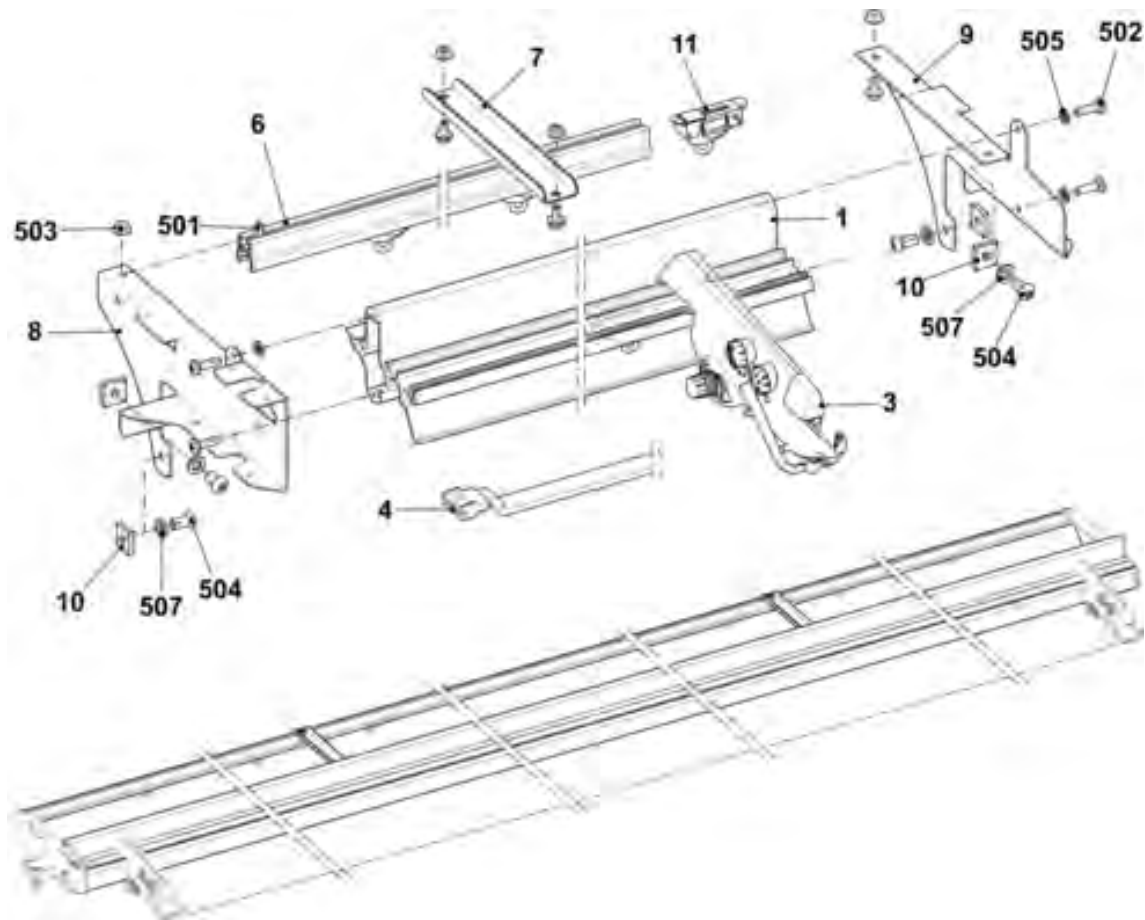
8 Yarn delivery device



8.1 Yarn guide system with 26 and 30 FKE

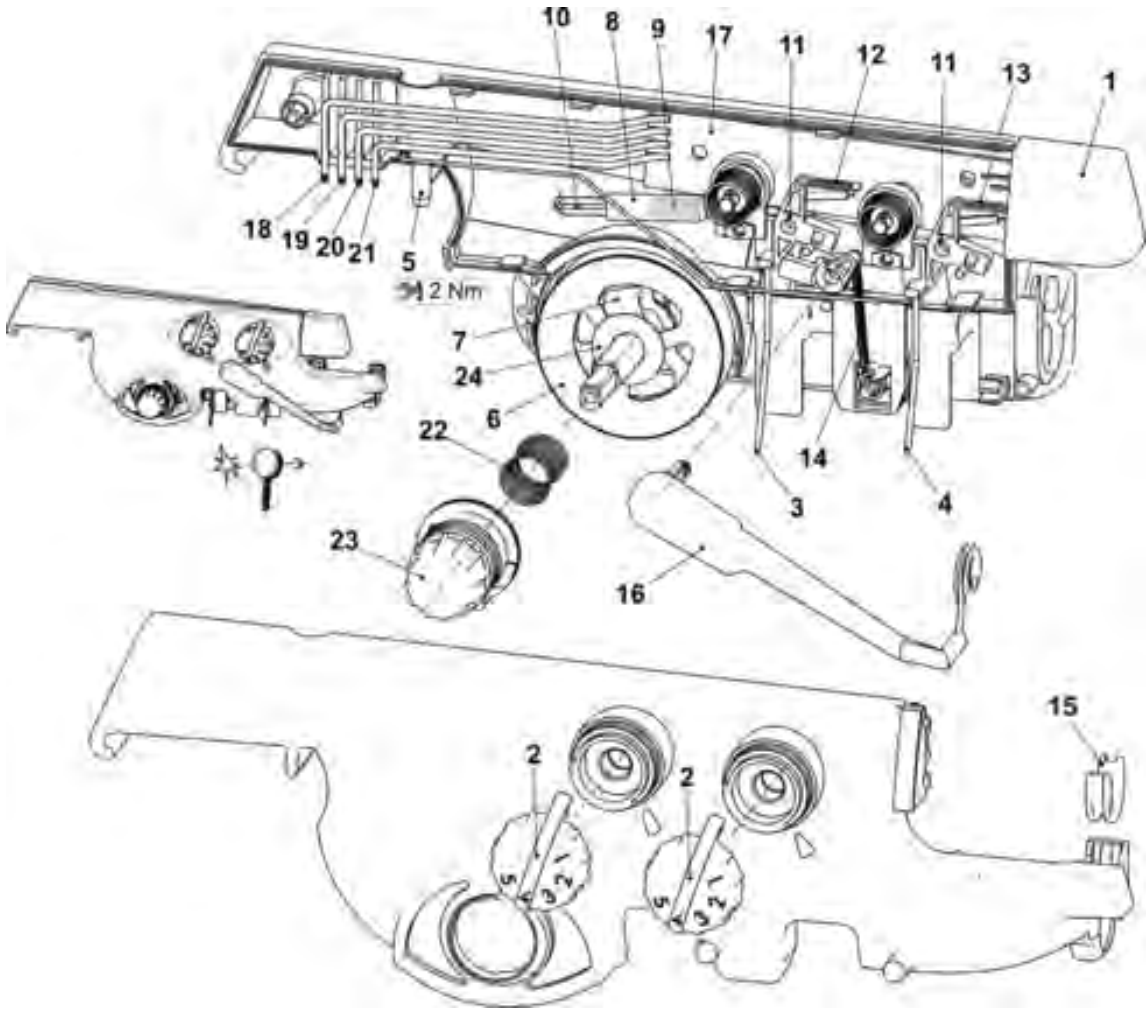
8.1 Yarn guide system with 26 and 30 FKE

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn guide system 26 FKE 933, E10 E12 E14 E16 E12m.10 E8.2	242 722				
	Yarn guide system 30 FKE 933, E6.2 E7.2	242 723		10	Slot nut	228 851
1	Support	243 114		11	Yarn guide bracket complete	241 581
3	Yarn control unit	237 124		501	Self-locking screw M6x12	023 415
4	Connection cable FKE3 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



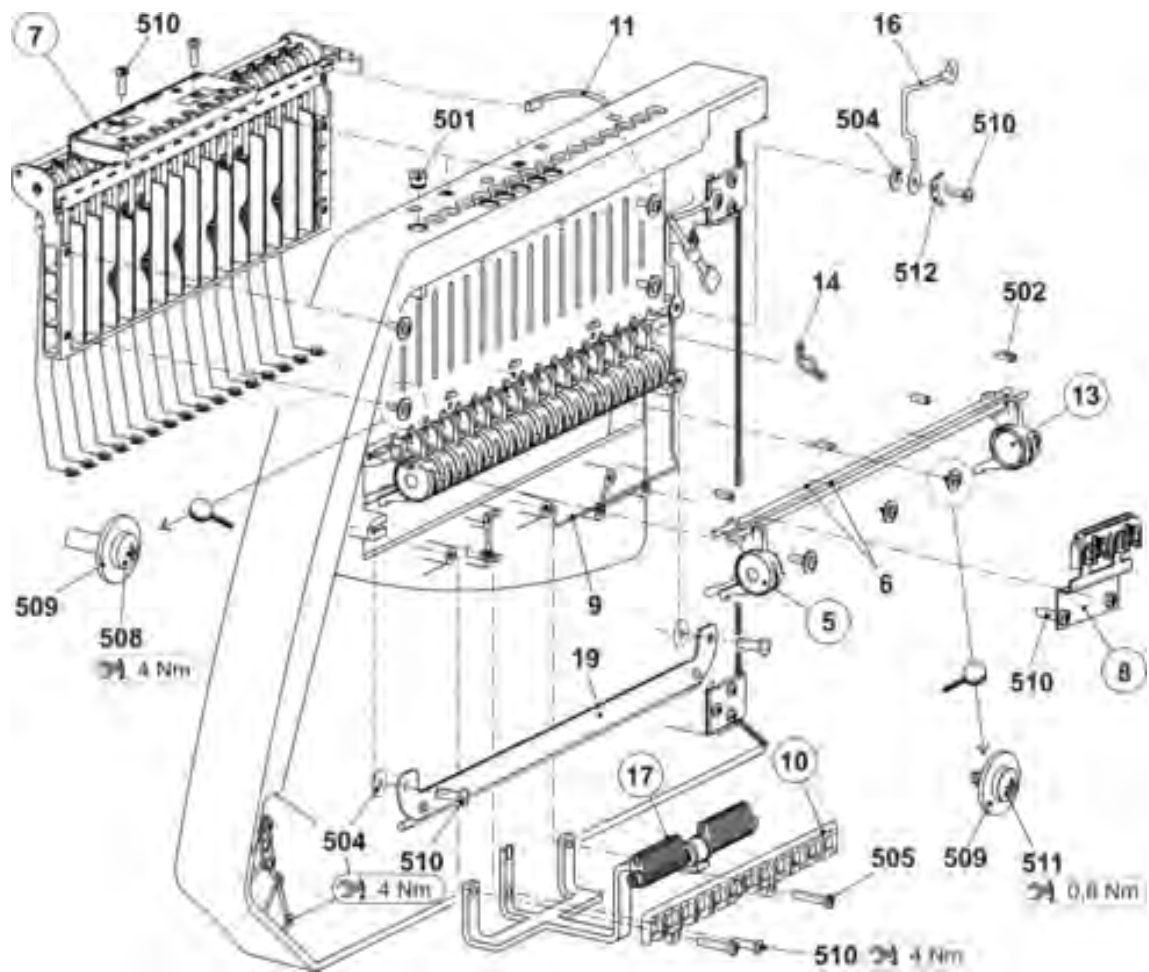
8.1.1 Yarn control device

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



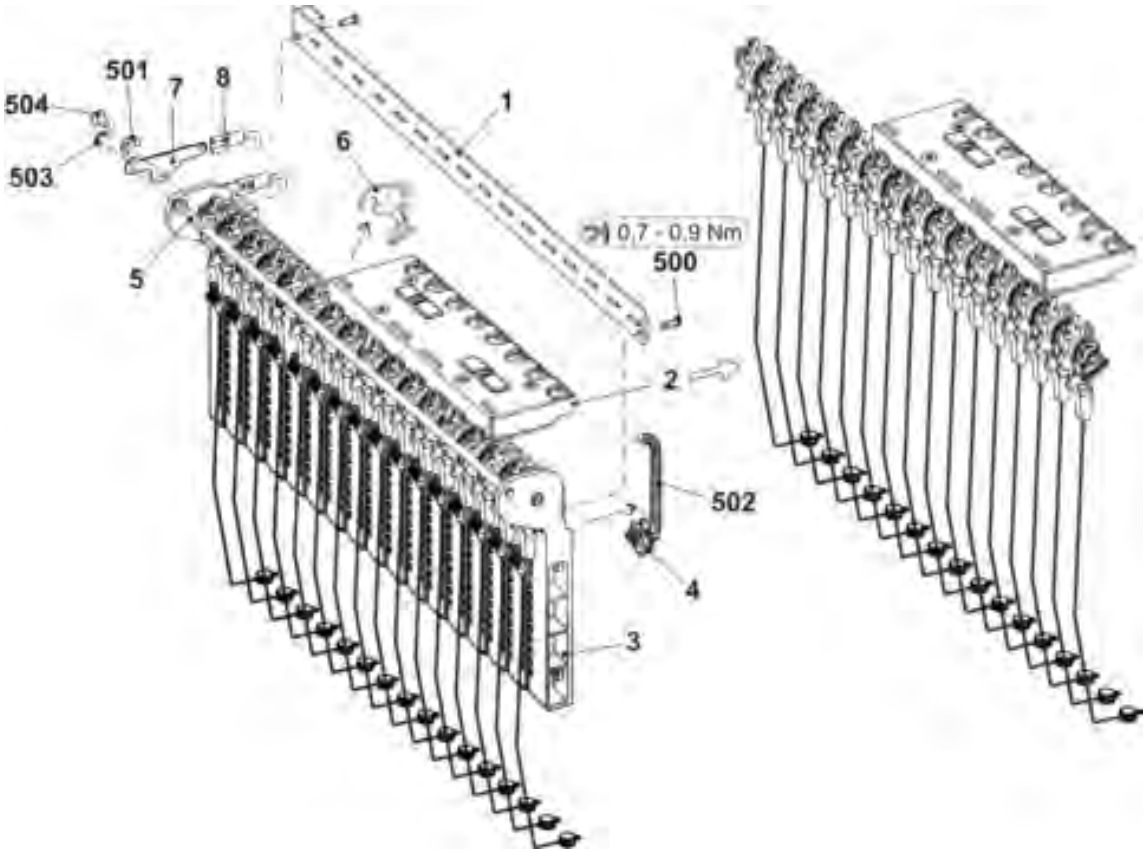
8.2 Left yarn guide E10 | E12 | E14 | E16 | E7.2 | E8.2 | E12m.10

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete E10-14	242 389	17	Yarn guide inside	250 412
5	Yarn brake complete	244 347	19	Stop bar on the left complete	258 454
6	Shaft	241 318	501	Ceramic eyelet	240 640
7	Yarn tensioner on the left complete E10-18	242 997	502	Compression spring 0,90x5,40x13,60	241 360
8	Deflector complete	259 573	504	Washer	022 537
9	Wire bow on the left	241 370	505	Screw KB 60x30	237 683
10	Yarn deflector	242 011	508	Pan-head screw M5x16	023 187
11	Connection cable yarn tensioner	240 808	509	Disk503x18x1,5	020 909
13	Yarn brake not adjustable	244 356	510	Screw KB 60x20	237 682
14	Clamping bow	244 409	511	Sheet metal screw ST4,8x9,5-F	242 374
16	Ground cable	244 404	512	Flat connector 2x45° M6	243 117



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

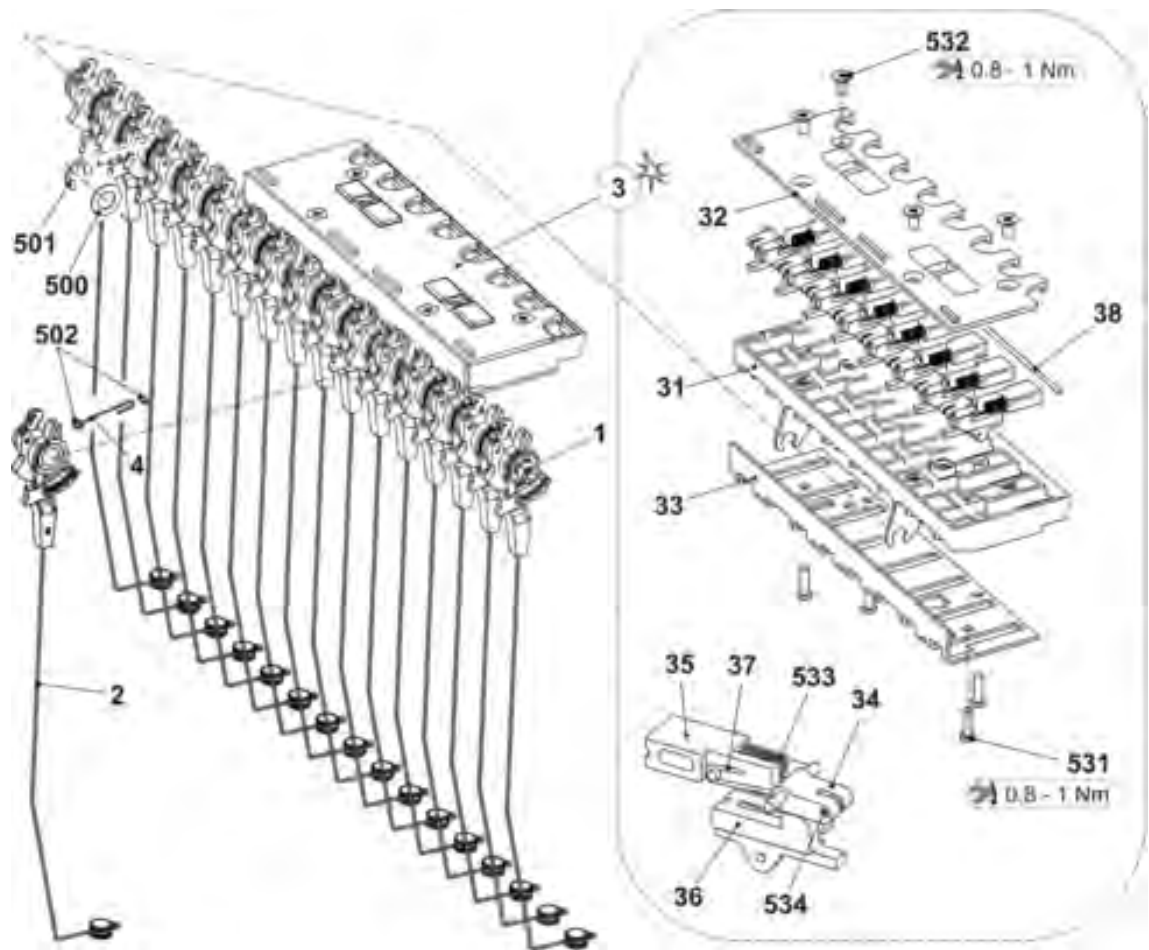
Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the left complete E10-14	242 997	7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the left	241 345	8	Ground cable yarn tensioner OKC	243 105
2	Tension axle on the left complete E10-14	242 998	500	Screw KB 30x8	236 228
3	Housing	241 367	501	Circlip6	021 022
4	Slider	241 694	502	Tension spring 4,9x0,45x53	023 504
5	Stop point	241 368	503	Circlip	021 020
6	Spacer	242 048	504	Countersunk screw M4x10	241 914



8.2 Left yarn guide E10 | E12 | E14 | E16 | E7.2 | E8.2 | E12m.10

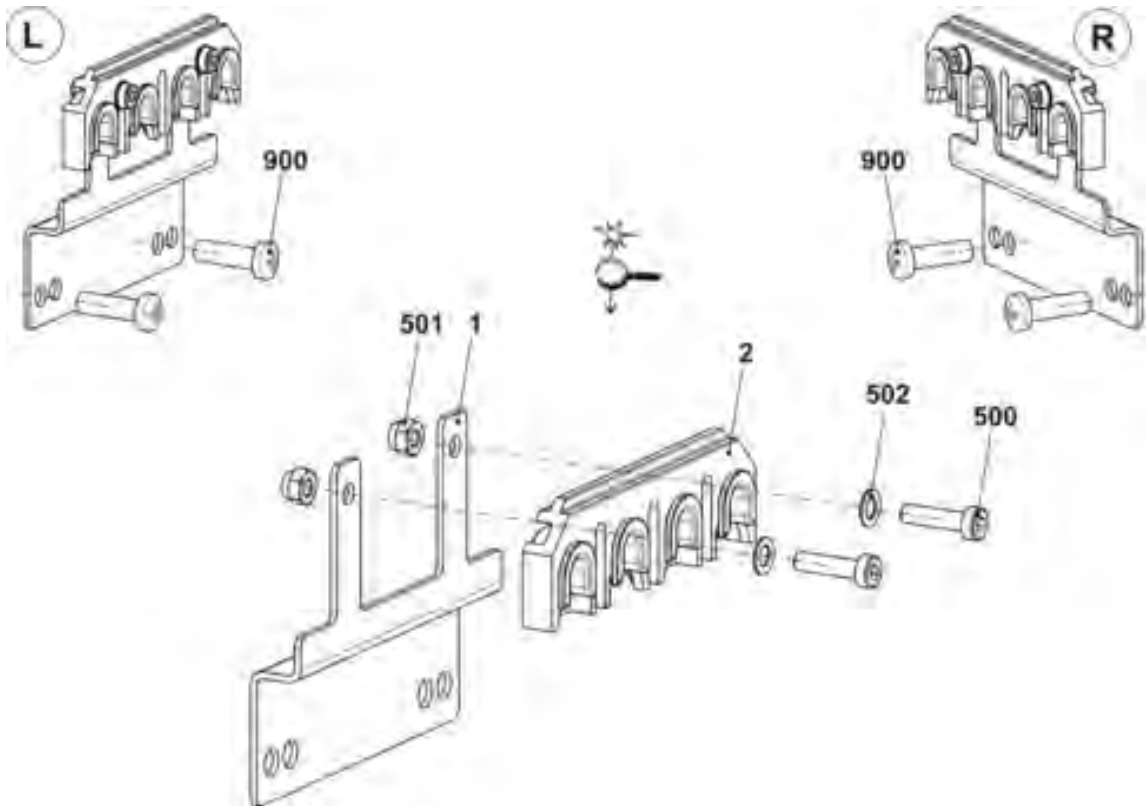
8.2.1.1 Tension axle on the left E10 | E12 | E14 | E16 | E7.2 | E8.2 | E12m.10

Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle on the left complete E10-18	242 998		33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107		34	Lever AKF	238 692
2	Tension arm pre-assembledE10-18	258 459		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



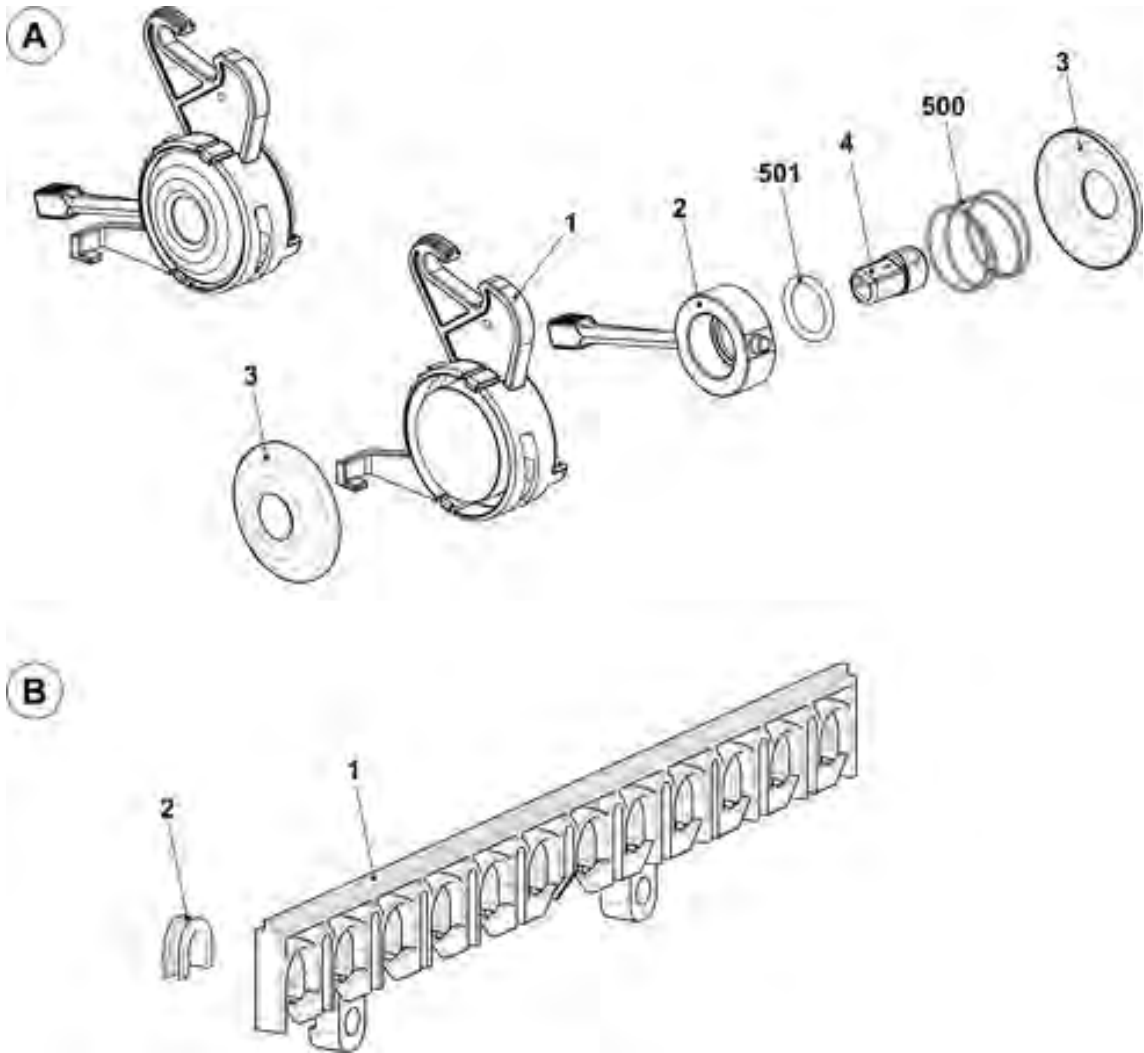
8.2.2 Deflector on the left and on the right

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



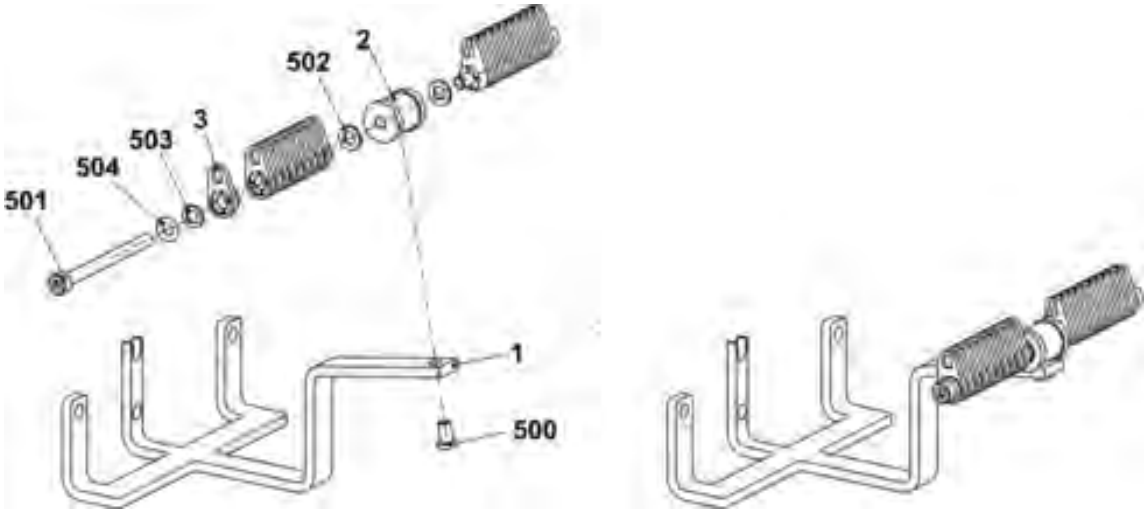
8.2.3 Yarn brake and yarn deflector

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



8.2.4 Yarn guide inside

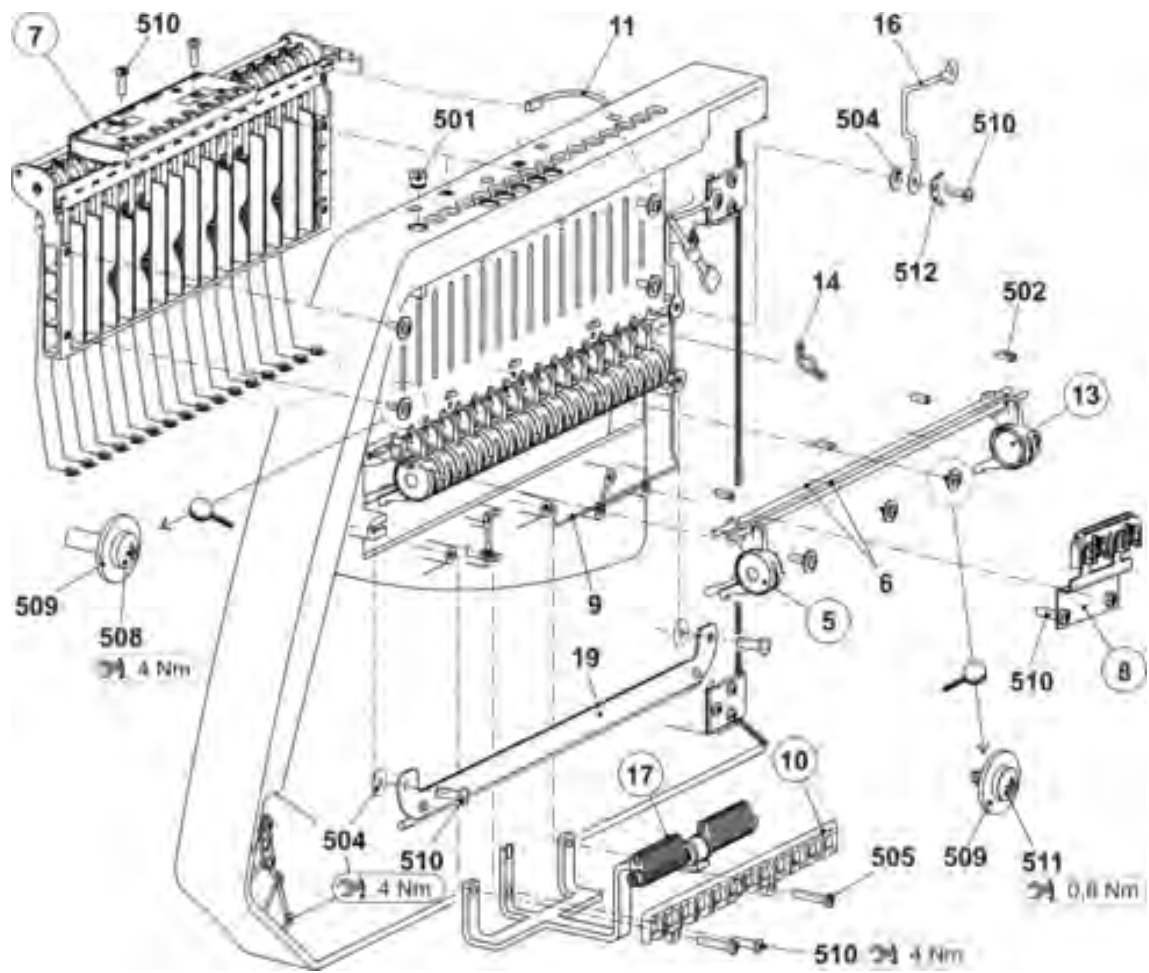
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn guide inside	250 412				
1	Holding bow	250 413		501	Cap screw M6x75	022 956
2	Bolt	214 894		502	Washer6	022 853
3	Yarn Carriers MH 6	200 127		503	Washer6	020 881
500	Pan-head screw M6x10	023 183		504	O-ring 6x3	022 856



8.3 Left yarn guide E6.2

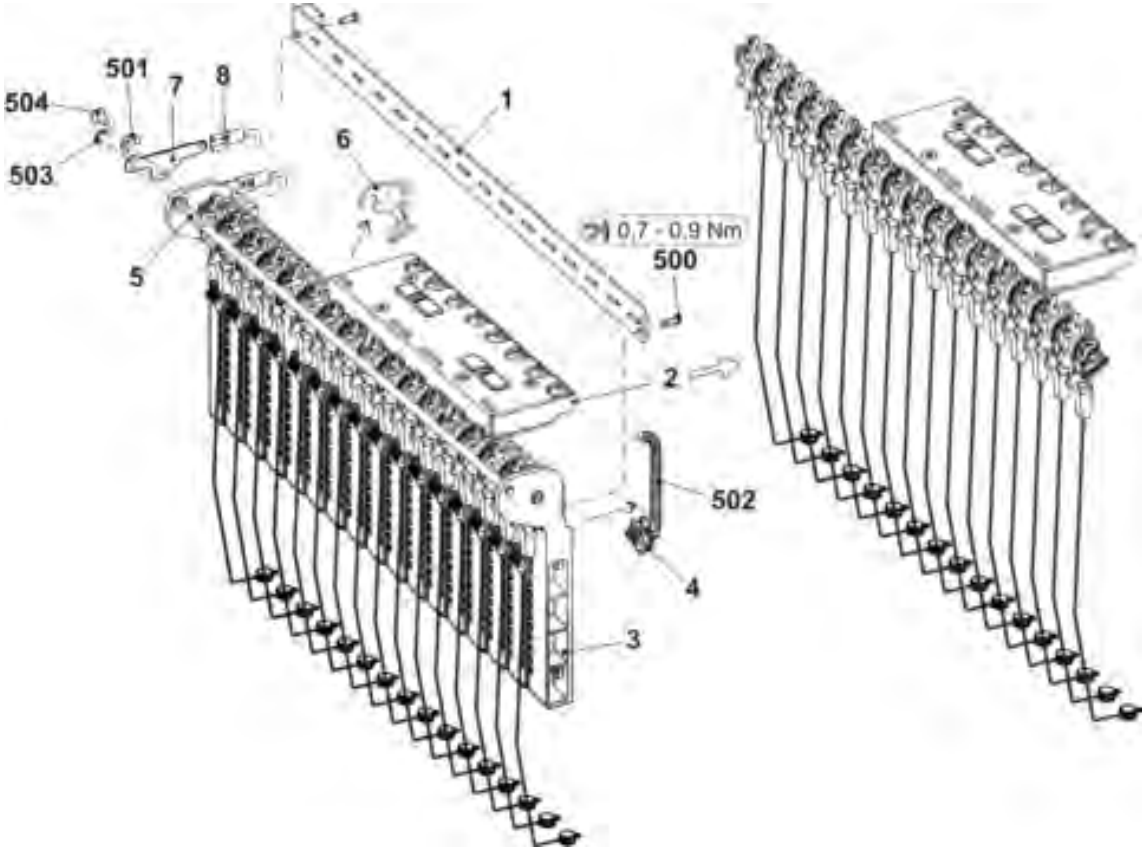
8.3 Left yarn guide E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Left safety door complete E10-18	242 388	17	Yarn guide inside	250 412
5	Yarn brake complete	244 347	19	Stop bar on the left complete	258 454
6	Shaft	241 318	501	Ceramic eyelet	240 640
7	Yarn tensioner on the left complete E7-8	242 996	502	Compression spring 0,90x5,40x13,60	241 360
8	Deflector complete	259 573	504	Washer	022 537
9	Wire bow on the left	241 370	505	Screw KB 60x30	237 683
10	Yarn deflector	242 011	508	Pan-head screw M5x16	023 187
11	Connection cable yarn tensioner	240 808	509	Disk503x18x1,5	020 909
13	Yarn brake not adjustable	244 356	510	Screw KB 60x20	237 682
14	Clamping bow	244 409	511	Sheet metal screw ST4,8x9,5-F	242 374
16	Ground cable	244 404	512	Flat connector 2x45° M6	243 117



8.3.1 Left yarn tensioner E6.2

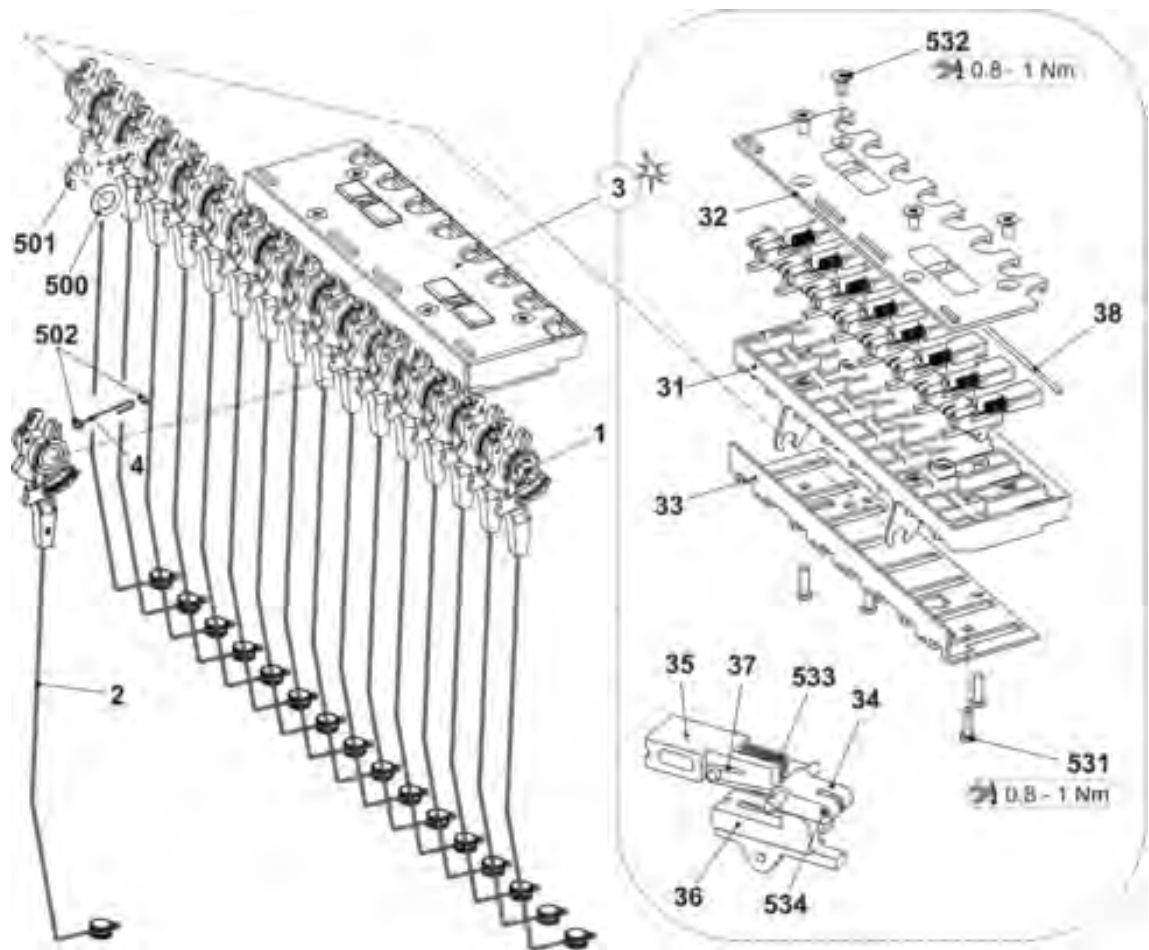
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the left complete E7-8	242 996		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the left	241 345		8	Ground cable yarn tensioner OKC	243 105
2	Tension axle on the left complete E5-8	242 995		500	Screw KB 30x8	236 228
3	Housing	241 367		501	Circlip6	021 022
4	Slider	241 694		502	Tension spring 4,9x0,5x53	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x10	241 914



8.3 Left yarn guide E6.2

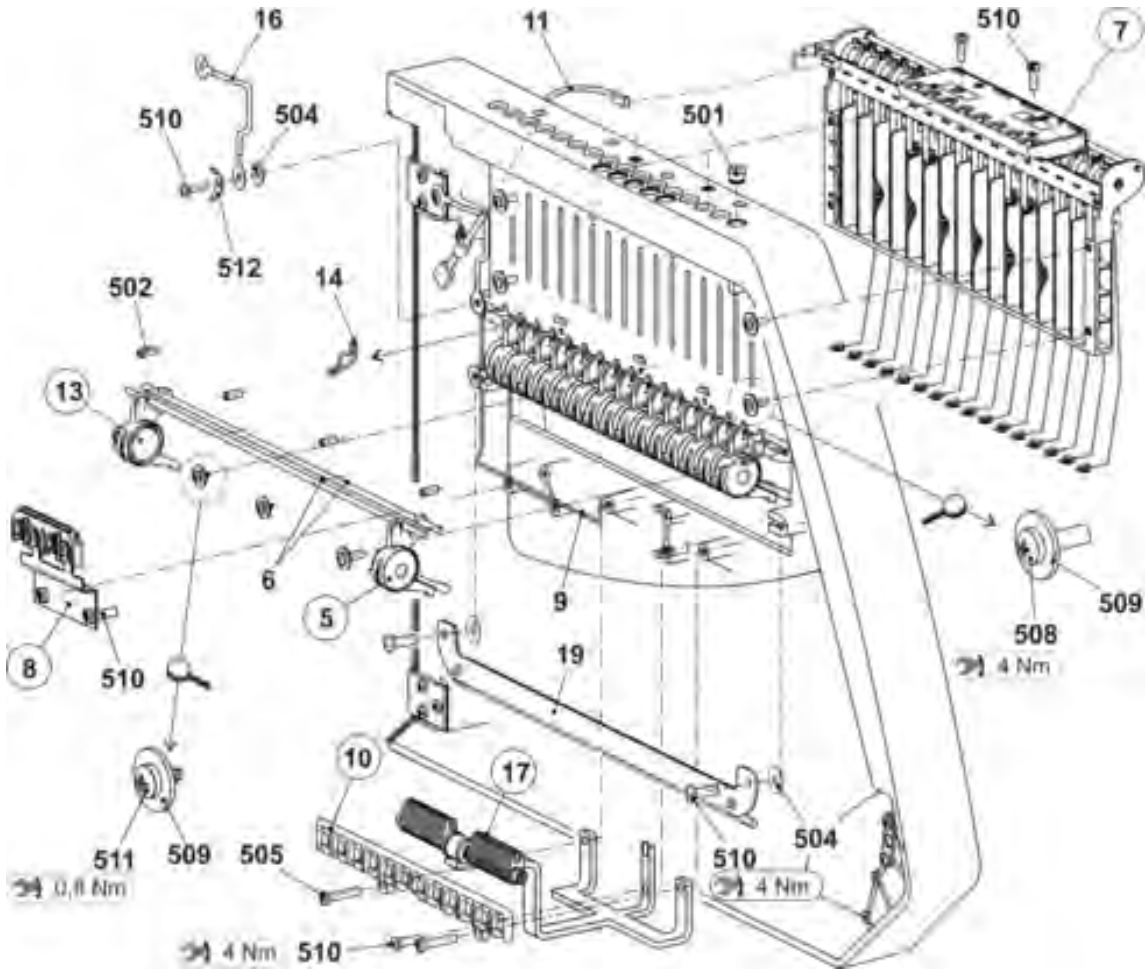
8.3.1.1 Left tension axle E6.2

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 spring 0,30x4,50x18,50	241 437
32	Cover AKF	237 926		534	Grooved pin 2x6	243 172



8.4 Right yarn guide E10 | E12 | E14 | E16 | E7.2 | E8.2 | E12m.10

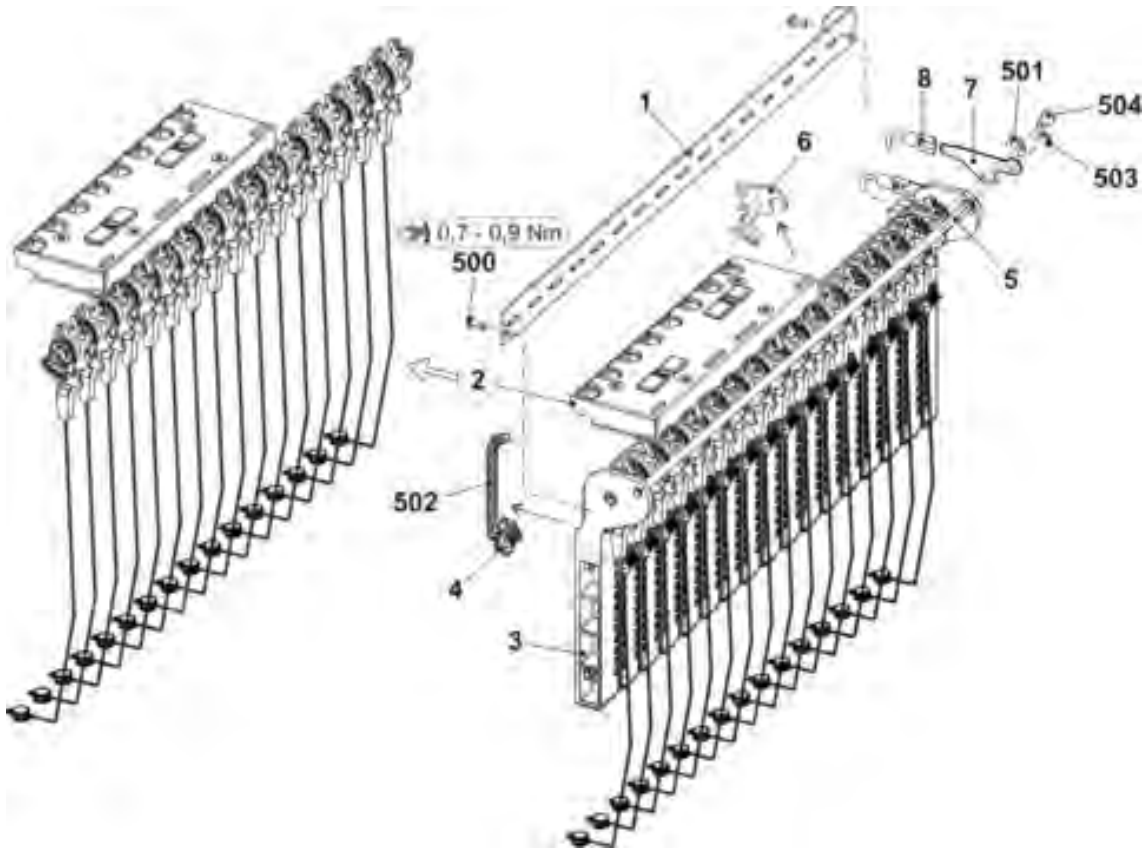
Pos	Designation	ID		Pos	Designation	ID
Σ	Safety door on the right complete E10-14	242 392		17	Yarn guide inside	250 412
5	Yarn brake complete	244 347		19	Stop bar on the right complete	258 454
6	Shaft	241 318		501	Ceramic eyelet	240 640
7	Yarn tensioner on the right complete E10-18	243 001		502	Compression spring 0,90x5,40x13,60	241 360
8	Deflector complete	259 573		504	Washer	022 537
9	Wire bow on the right	241 369		505	Screw KB 60x30	237 683
10	Yarn deflector	242 011		508	Pan-head screw M5x16	023 187
11	Connection cable yarn tensioner	240 808		509	Disk503x18x1,5	020 909
13	Yarn brake not adjustable	244 356		510	Screw KB 60x20	237 682
14	Clamping bow	244 409		511	Sheet metal screw ST4,8x9,5-F	242 374
16	Ground cable	244 404		512	Flat connector 2x45° M6	243 117



8.4 Right yarn guide E10 | E12 | E14 | E16 | E7.2 | E8.2 | E12m.10

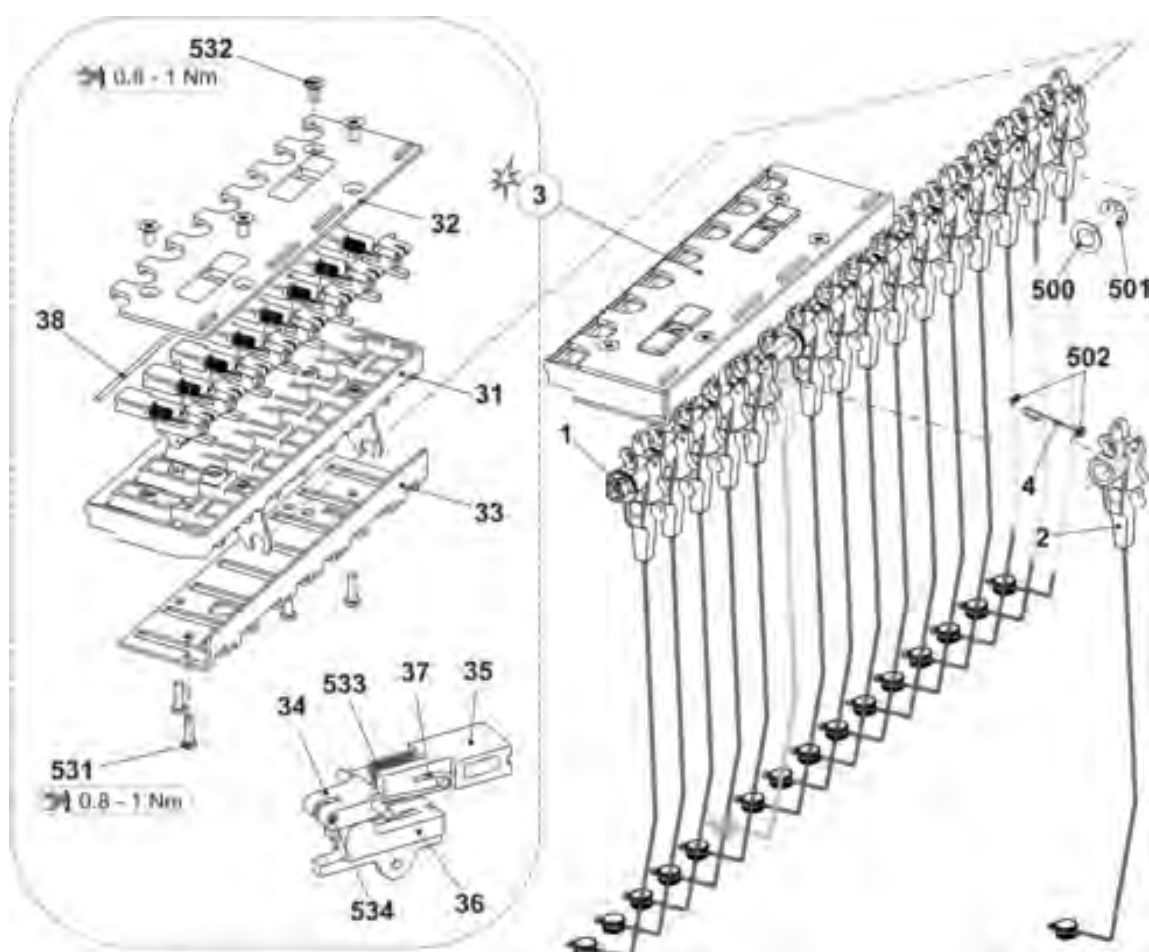
8.4.1 Yarn tensioner on the right E10 | E12 | E14 | E16 | E7.2 | E8.2 | E12m.10

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the right complete E10-14	243 001	7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the right	241 346	8	Ground cable yarn tensioner OKC	243 105
2	Tension axle on the right completeE10-14	243 352	500	Screw KB 30x8	236 228
3	Housing	241 367	501	Circlip6	021 022
4	Slider	241 694	502	Tension spring 4,9x0,45x53	023 504
5	Stop point	241 368	503	Circlip	021 020
6	Spacer	242 048	504	Countersunk screw M4x10	241 914



8.4.1.1 Tension axle on the right E10 | E12 | E14 | E16 | E7.2 | E8.2 | E12m.10

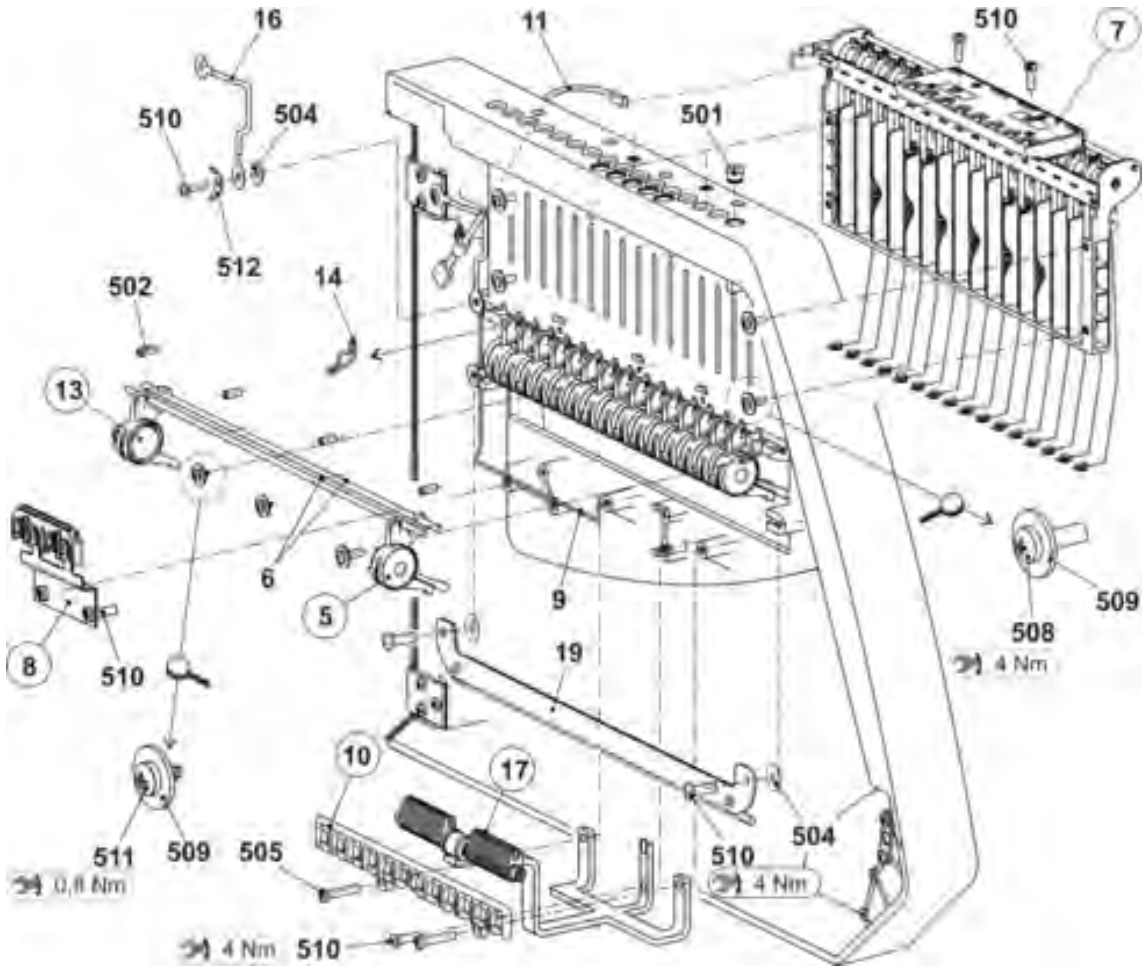
Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle on the right complete E10-14	243 352		33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107		34	Lever AKF	238 692
2	Tension arm pre-assembledE10-18	258 459		35	Pressure piece AKF	238 690
4	Wire bow	238 694		36	SliderAKF	238 691
500	Shim 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



8.5 Right yarn guide E6.2

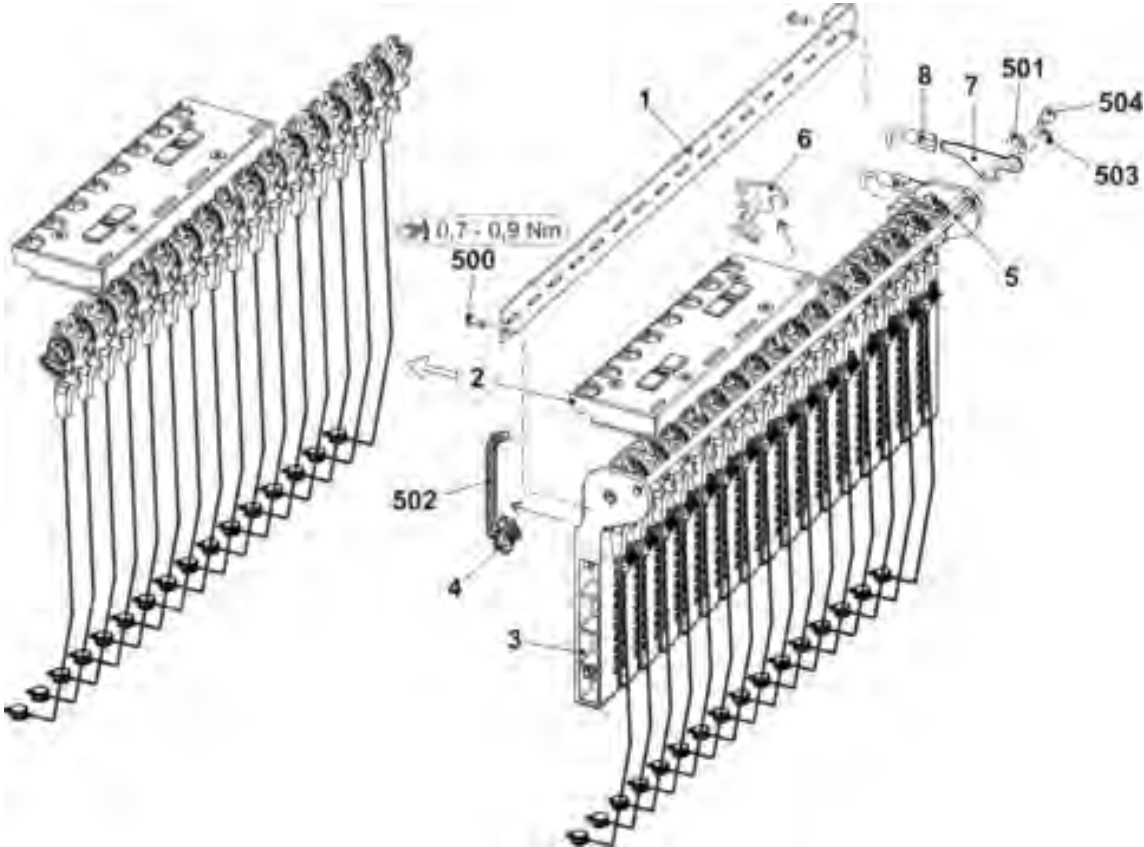
8.5 Right yarn guide E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete E7-8	242 391	17	Yarn guide inside	250 412
5	Yarn brake complete	244 347	19	Stop bar on the right complete	258 562
6	Shaft	241 318	501	Ceramic eyelet	240 640
7	Yarn tensioner on the right complete E7-8	243 000	502	Compression spring 0,90x5,40x13,60	241 360
8	Deflector on the right complete	259 570	504	Washer	022 537
9	Wire bow on the right	241 369	505	Screw KB 60x30	237 683
10	Yarn deflector	242 011	508	Pan-head screw M5x16	023 187
11	Connection cable yarn tensioner	240 808	509	Disk503x18x1,5	020 909
13	Yarn brake not adjustable	244 356	510	Screw KB 60x20	237 682
14	Clamping bow	244 409	511	Sheet metal screw ST4,8x9,5-F	242 374
16	Ground cable	244 404	512	Flat connector 2x45° M6	243 117



8.5.1 Right yarn tensioners E6.2

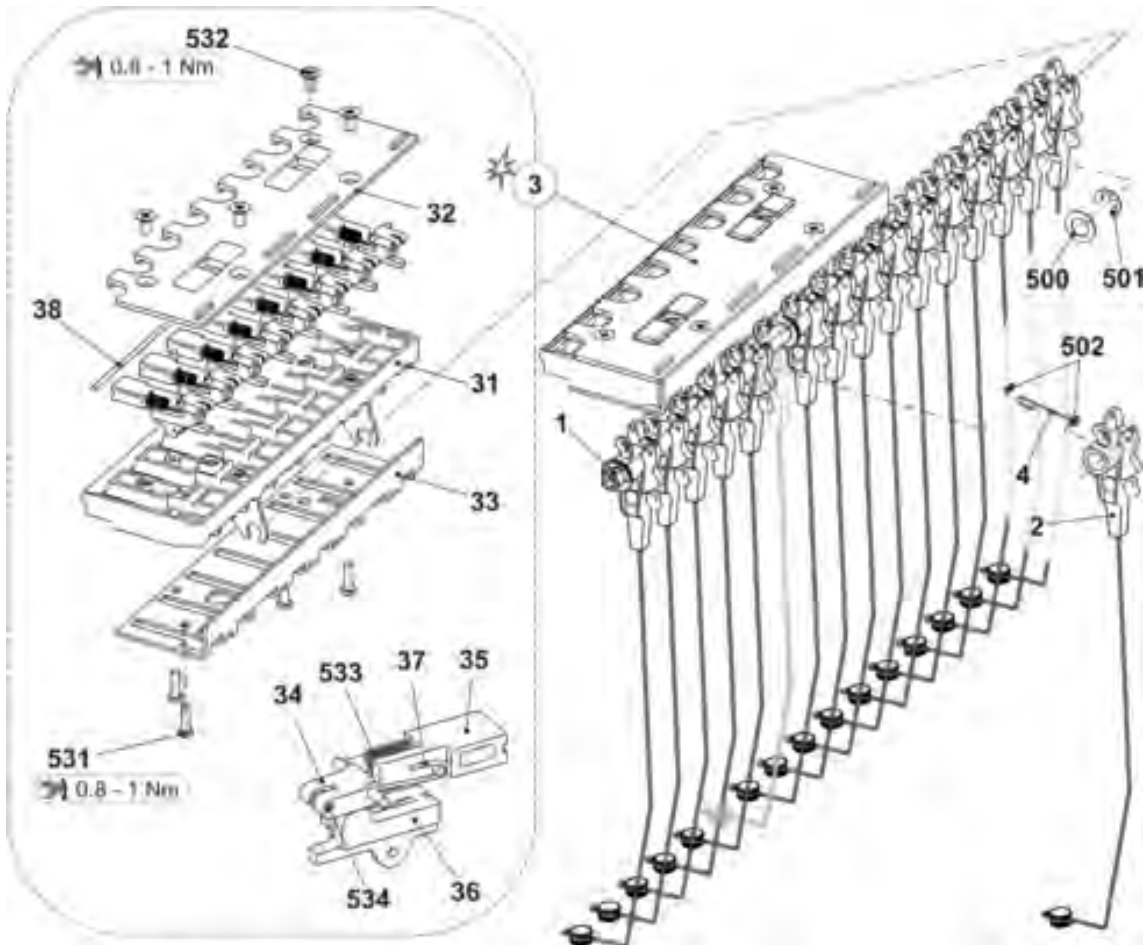
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the right complete E7-8	243 000		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the right	241 346		8	Ground cable yarn tensioner OKC	243 105
2	Tension axle on the right completeE5-8	243 351		500	Screw KB 30x8	236 228
3	Housing	241 367		501	Circlip6	021 022
4	Slider	241 694		502	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 Right yarn guide E6.2

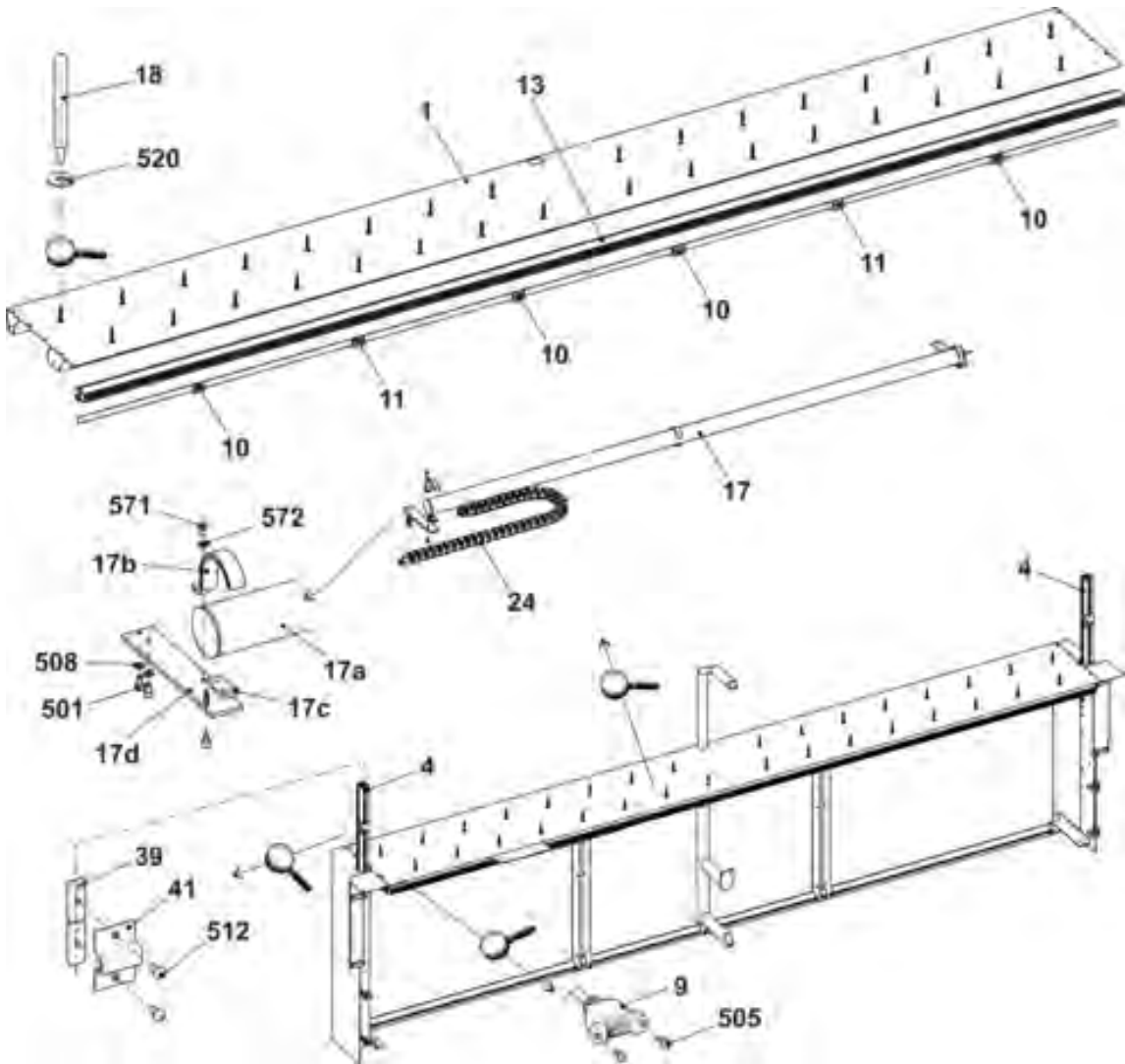
8.5.1.1 Right tension axle E6.2

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-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



8.6 Bobbin board

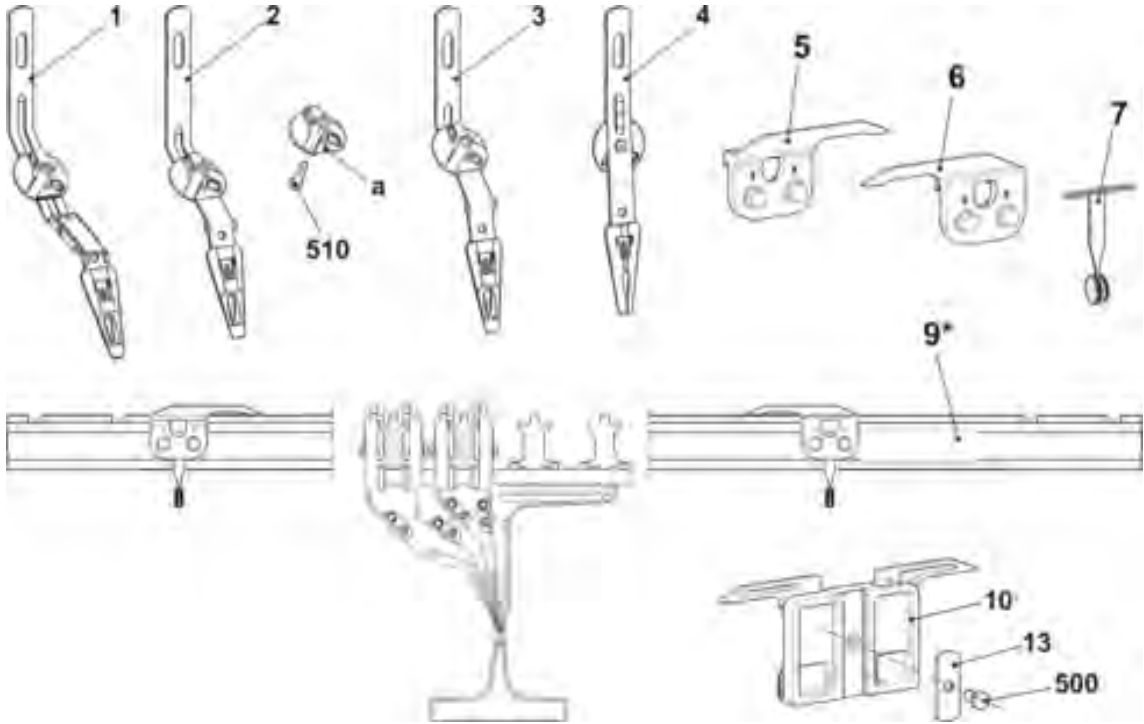
Pos	Designation	ID	Pos	Designation	ID
Σ	Table complete933	242 441	17	Lamp at the top complete	220 137
1	Table	251 247	17a	Long light RR60V-230	212 580
4	Support element	228 594	17b	Clamping bow	209 504
9	Cable USB extension 96 okc	243 069	17c	Cellular caoutchouc 40x20	208 018
10	Magnet switch safety 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

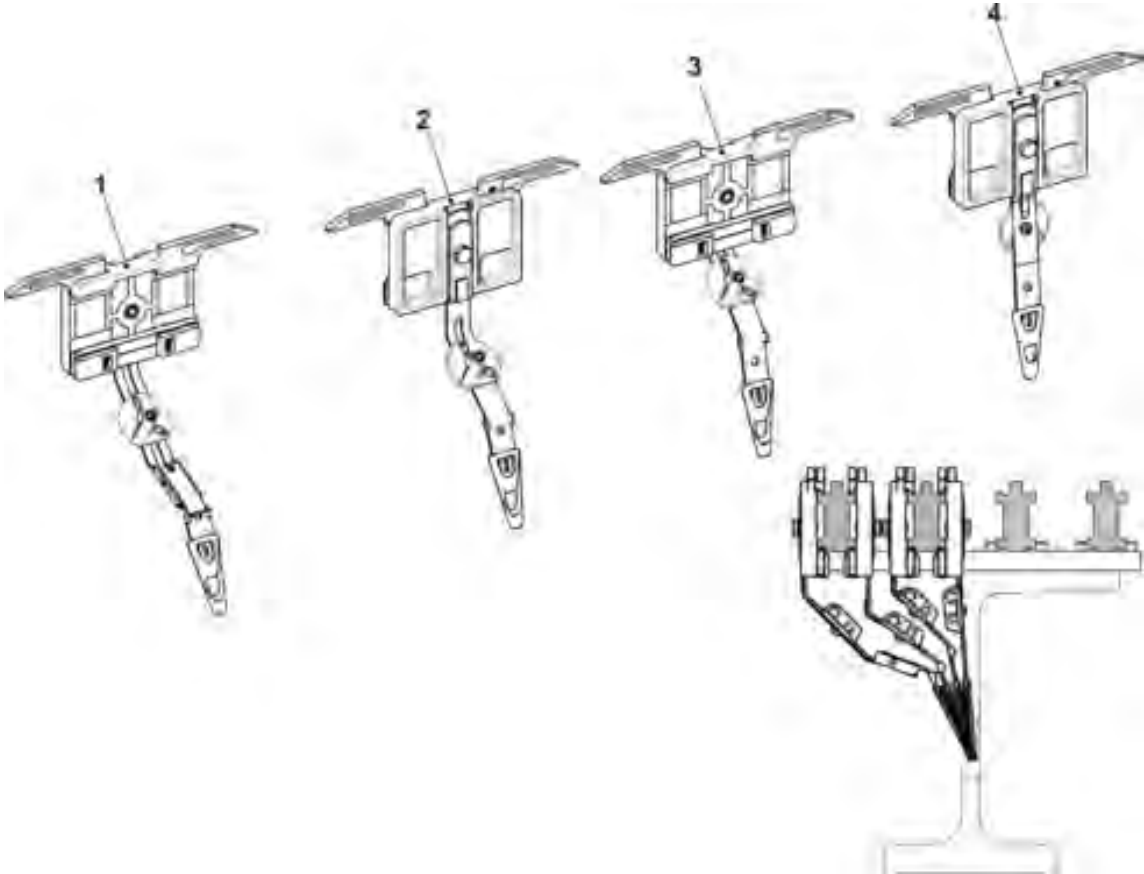
8.7 Yarn carrier and guide rails

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide complete E7-8	244 004			
	Yarn guide complete E10-14	244 005			
	Yarn guide complete E16 -18	244 006			
5	Limiter on the left complete	244 099			
6	Limiter on the right complete	244 098			
7	Slider with eyelet	230 709	E10 E12 E14 E12m.10 E7.2 E8.2		
9*	Yarn carrier rail	213 172	1	FF bow 1+8 completeE10-14	212 994
10	FF carriage complete	243 062	2	FF bow 2+7 completeE10-14	212 996
13	Shim	213 035	3	FF bow 3+6 completeE10-14	212 995
500	Hexagon screw M5x10	020 351	4	FF bow 4+5 completeE10-14	212 997
E 6.2			E16		
1	FF bow 1+8 completeE7-8	212 892	1	FF bow 1+8 completeE16-18	223 199
2	FF bow 2+7 completeE7-8	212 914	2	FF bow 2+7 completeE16-18	223 201
3	FF bow 3+6 completeE7-8	212 925	3	FF bow 3+6 completeE16-18	223 200
4	FF bow 4+5 completeE7-8	212 910	4	FF bow 4+5 completeE16-18	223 202
			a	Yarn guide star complete	209 257
			510	Pan-head screw M3x10	023 032



8.8 Complete yarn carriers

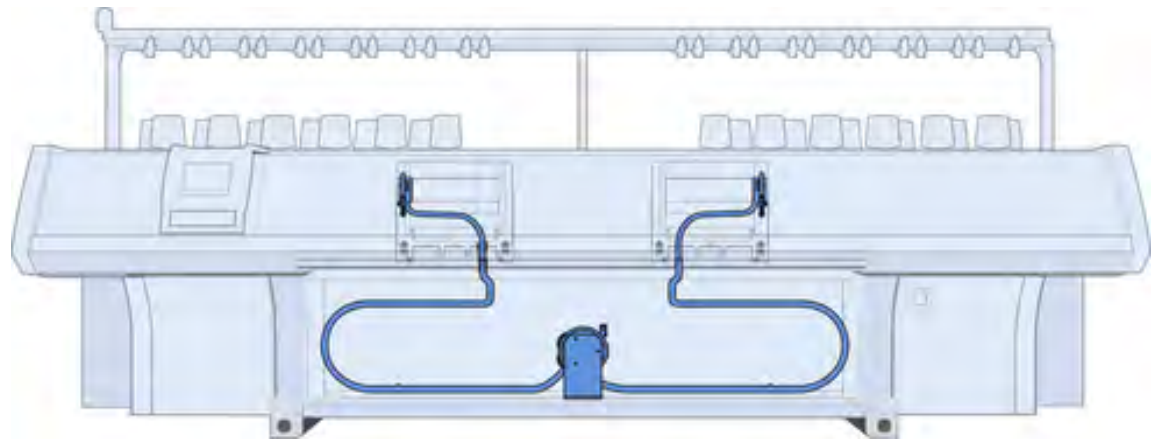
Pos	Designation	Track	ID		Pos	Designation	Track	ID	
Yarn guide complete									
E 6.2		244 004			E16			244 006	
1	FF carriage complete E7-8	1+8	243 939		1	FF carriage complete E16-18	1+8	243 947	
2	FF carriage complete E7-8	2+7	243 938		2	FF carriage complete E16-18	2+7	243 946	
3	FF carriage complete E7-8	3+6	243 937		3	FF carriage complete E16-18	3+6	243 945	
4	FF carriage complete E7-8	4+5	243 936		4	FF carriage complete E16-18	4+5	243 944	
E10 E12 E14 E12m.10 E7.2 E8.2		244 005							
1	FF carriage complete E10-14	1+8	243 943						
2	FF carriage complete E10-14	2+7	243 942						
3	FF carriage complete E10-14	3+6	243 941						
4	FF carriage complete E10-14	4+5	243 940						



8.8 Complete yarn carriers

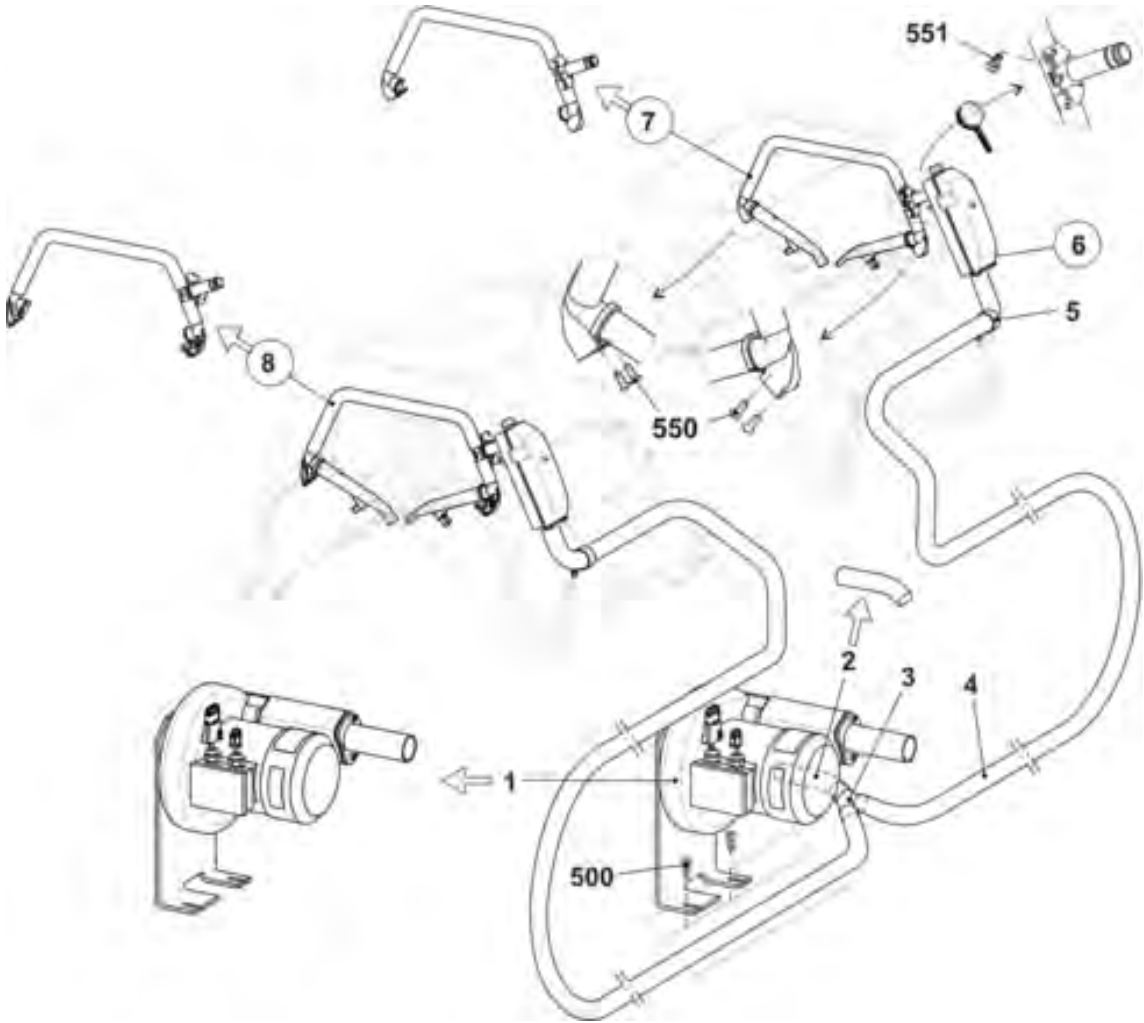
Notes:

9 Fluff absorption



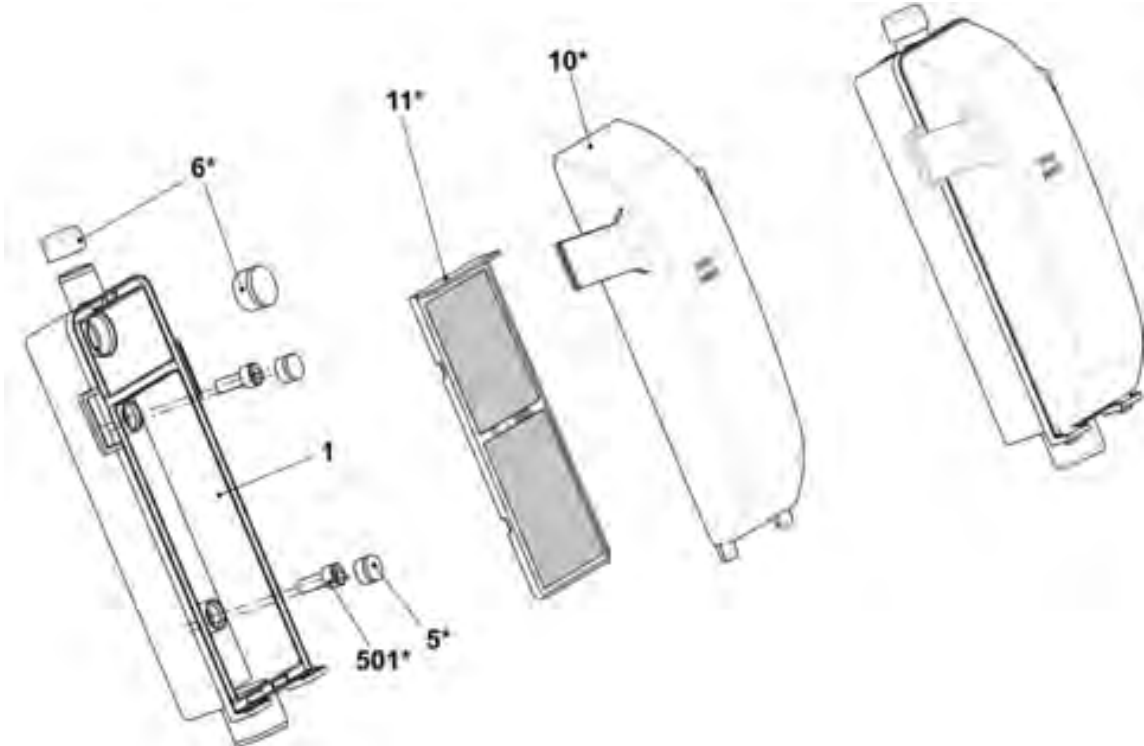
9.1 Fluff absorption

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

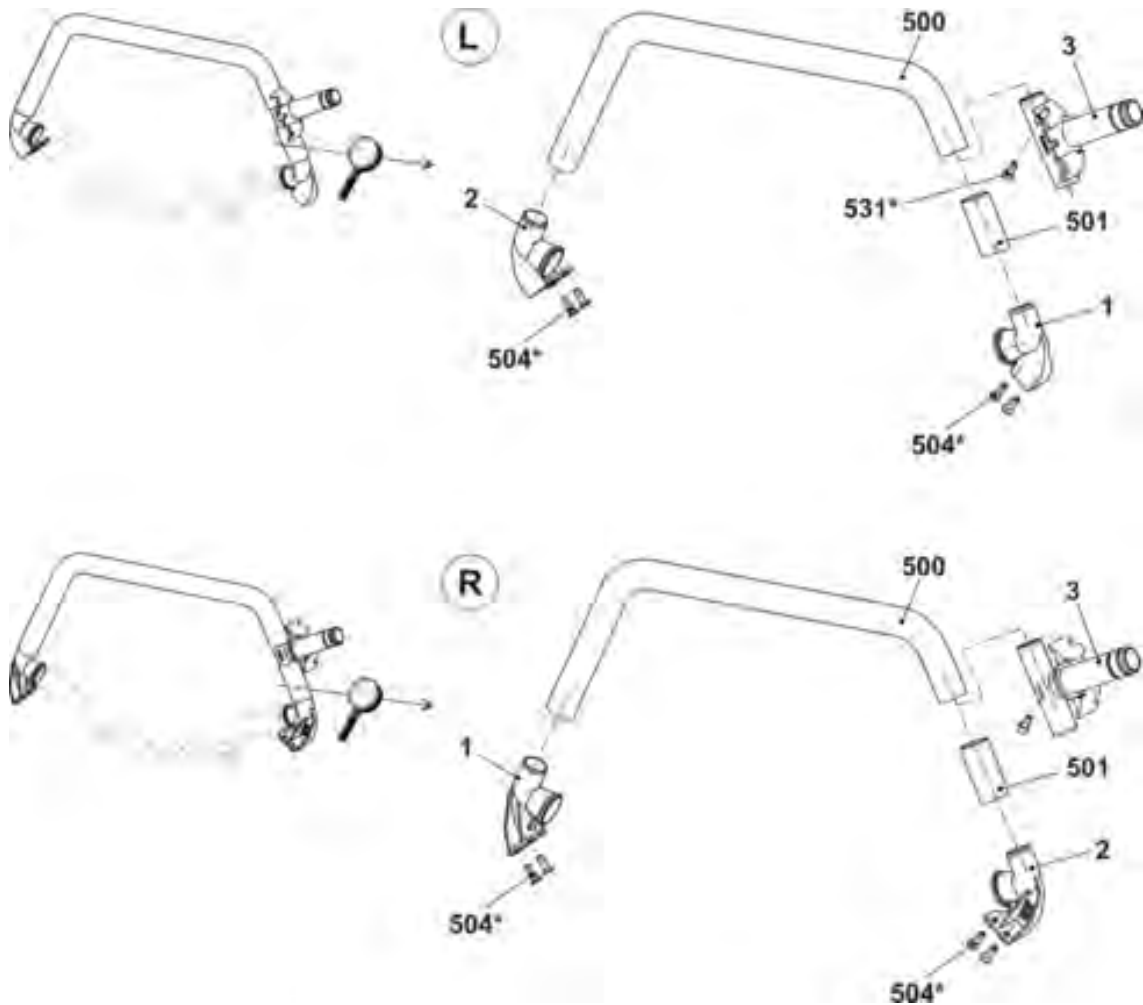
Pos	Designation	ID		Pos	Designation	ID
Σ	Lint container					
1	Lint container	245 024		10*	Cover lint container	245 027
5*	Sealing plug	245 028		11*	Filter	245 025
6*	Sealing plug	245 029		501*	Cap screwM6x10	023 690



9.1 Fluff absorption

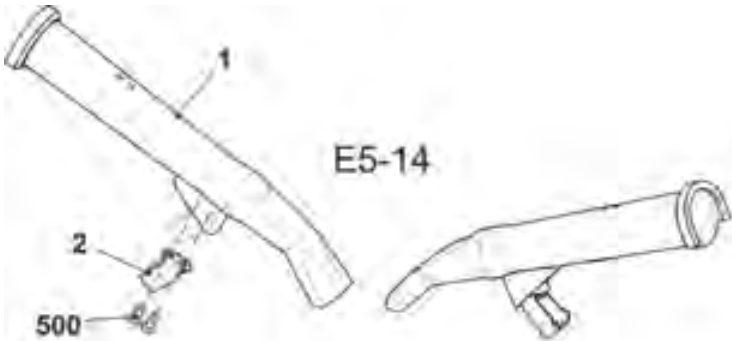
9.1.2 Set of hose on the left and right

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



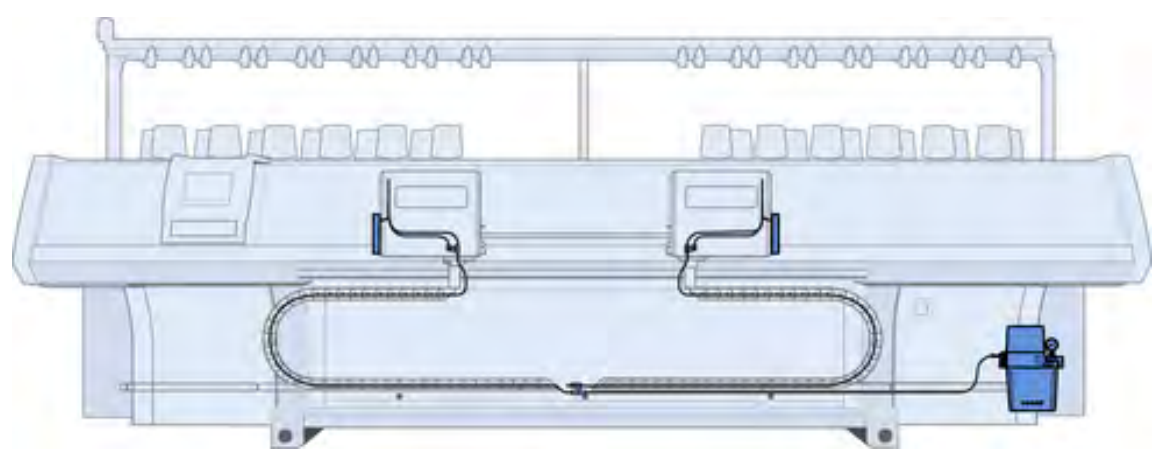
9.1.3 Suction tube

Pos	Designation	ID		Pos	Designation	ID
Σ	Suction tube complete E5-14 E10 E12 E14 E6.2 E7.2 E12m.10	251 310		Σ	Suction tube complete E6-18 E16 E8.2	251 311
1	Suction tube	255 386		1	Suction tube	255 605
2	Bracket	255 627		2	Bracket	255 627
500	Screw KB30x6	241 424		500	Screw KB30x6	241 424



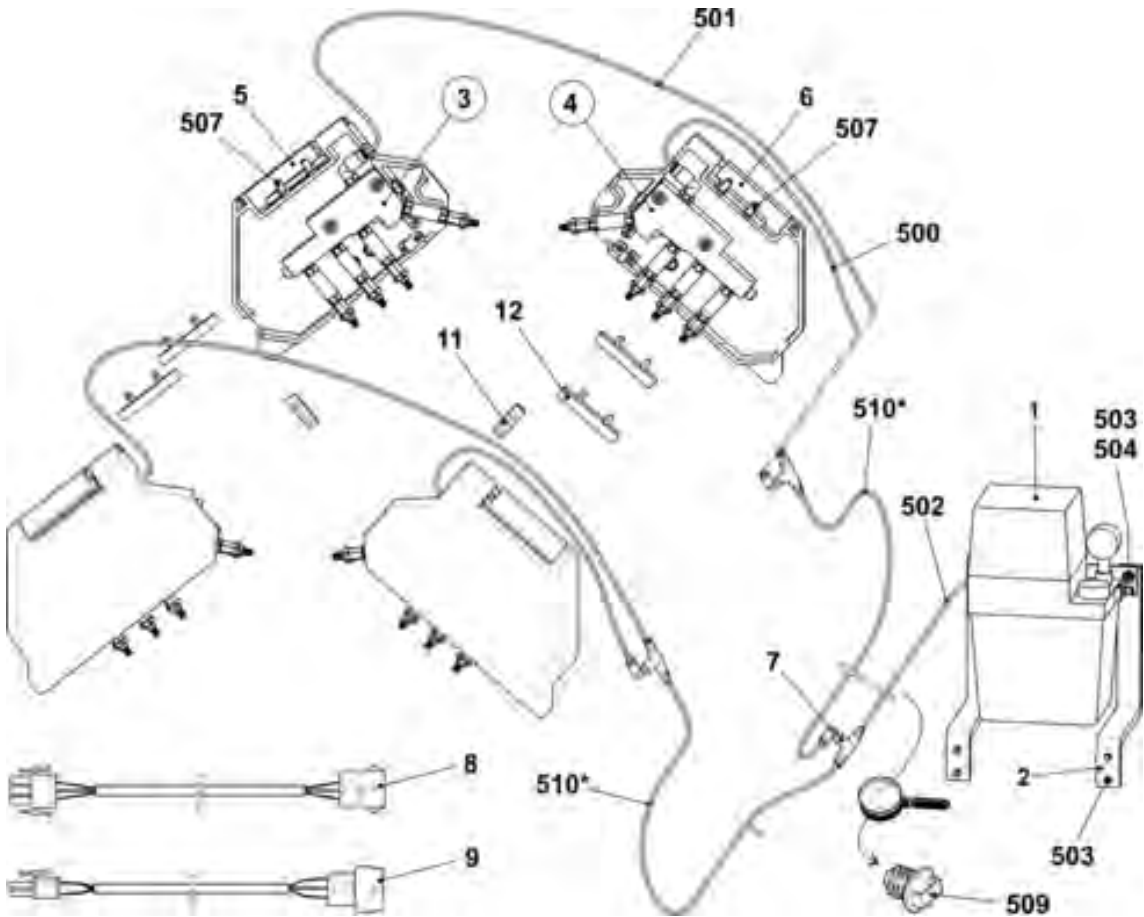
Notes:

10 Central lubrication



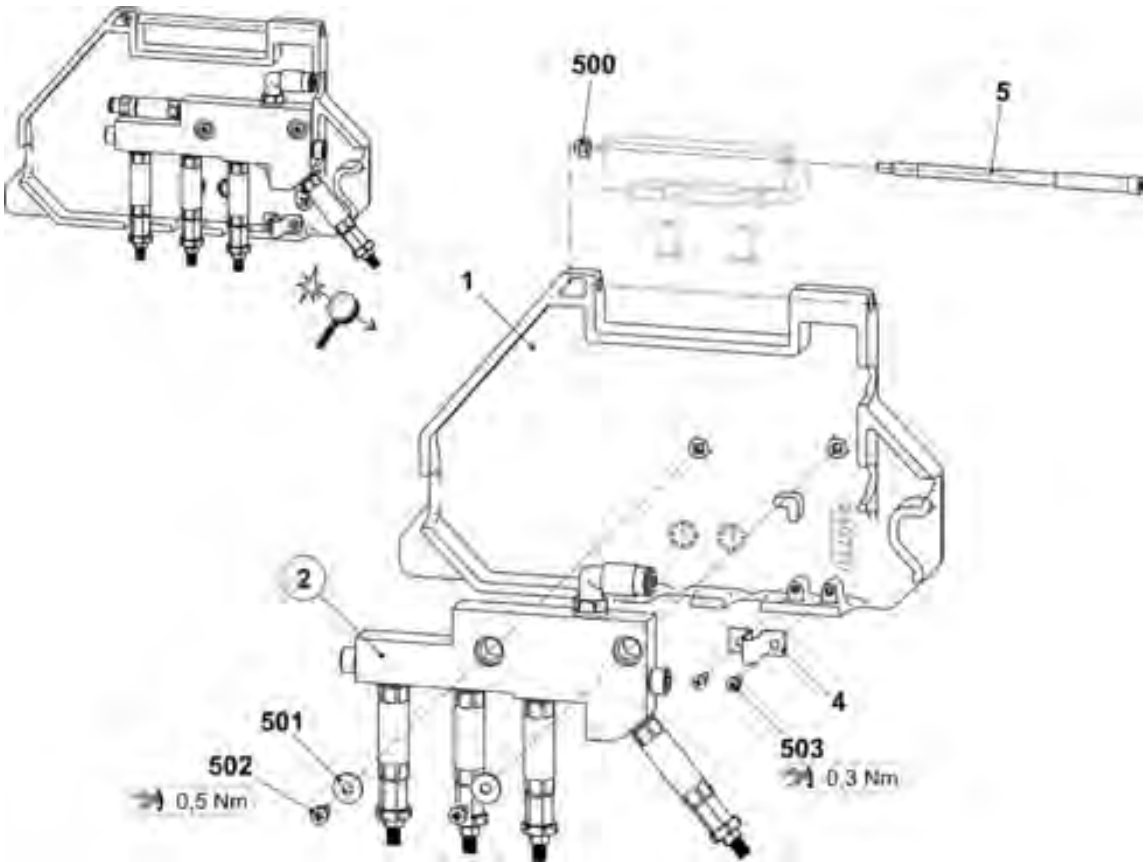
10.1 Central lubrication

Pos	Designation	ID		Pos	Designation	ID
Σ	Central lubrication	256 106		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	Tubular D6, L = 500	235 037
3	Lubrication unit at the front complete	256 049		501	Tubular D6, L = 1000	235 038
4	Lubrication unit at the rear complete	256 050		502	Tubular D6, 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*	Tubular D6, L = 3300	235 044



10.1.1 Lubrication unit at the front complete

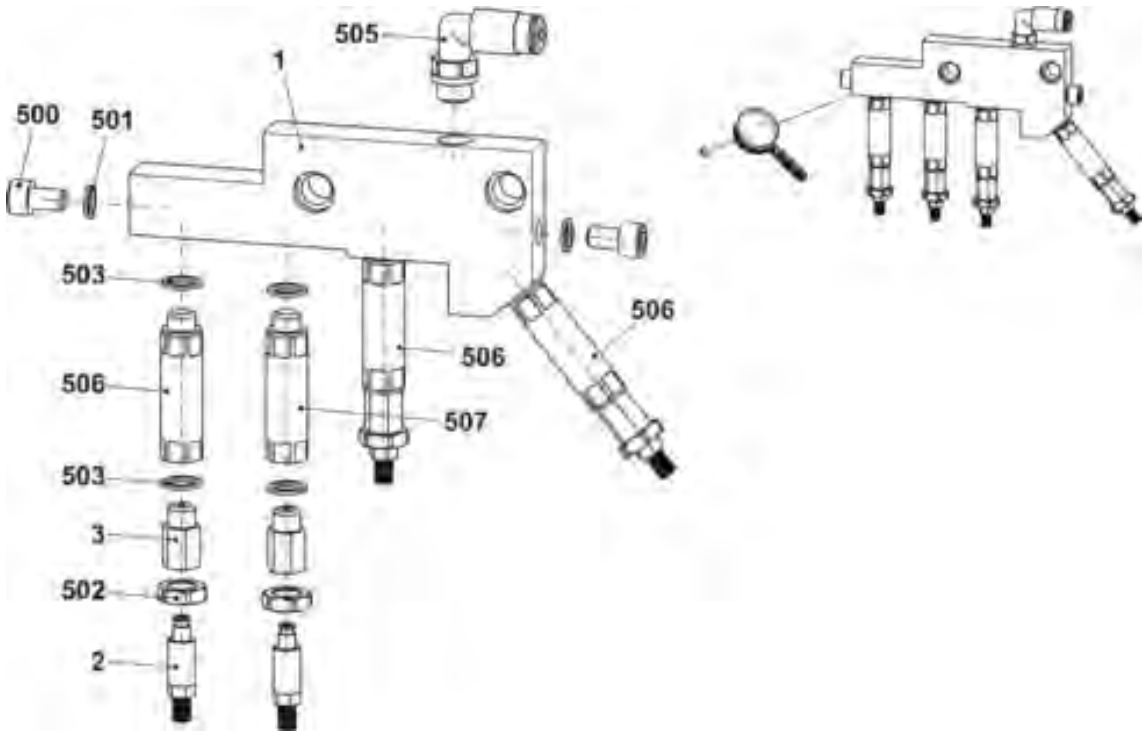
Pos	Designation	ID		Pos	Designation	ID
Σ	Lubrication unit at the front complete	256 049				
1	Housing at the front	240 771		500	Hexagon nut M4	023 046
2	Distributor complete	256 048		501	Washer4	023 047
4	Locking bar	235 054		502	Screw KB 40x8	238 089
5	Shoulder screw	240 790		503	Screw KB 30x8	236 228



10.1 Central lubrication

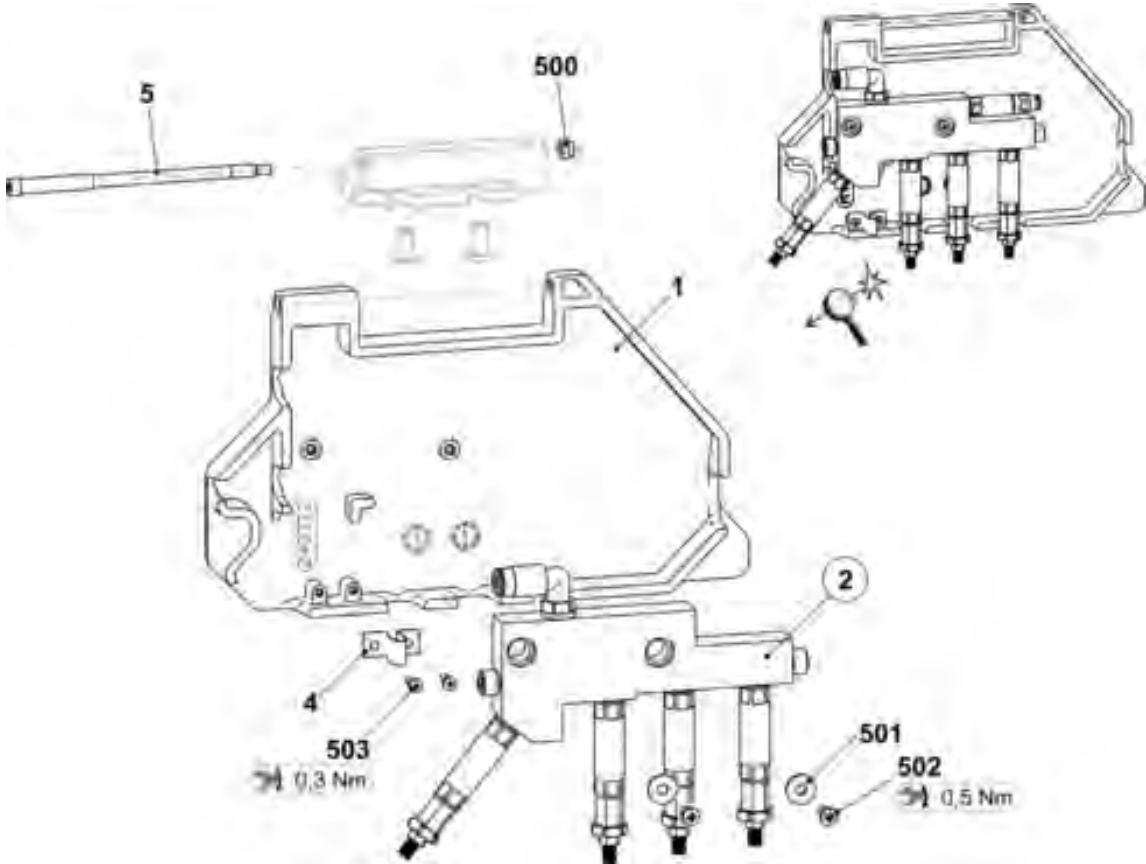
10.1.1.1 Distributor complete

Pos	Designation	ID		Pos	Designation	ID
Σ	Distributor complete	256 048				
1	Distributor	255 839		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



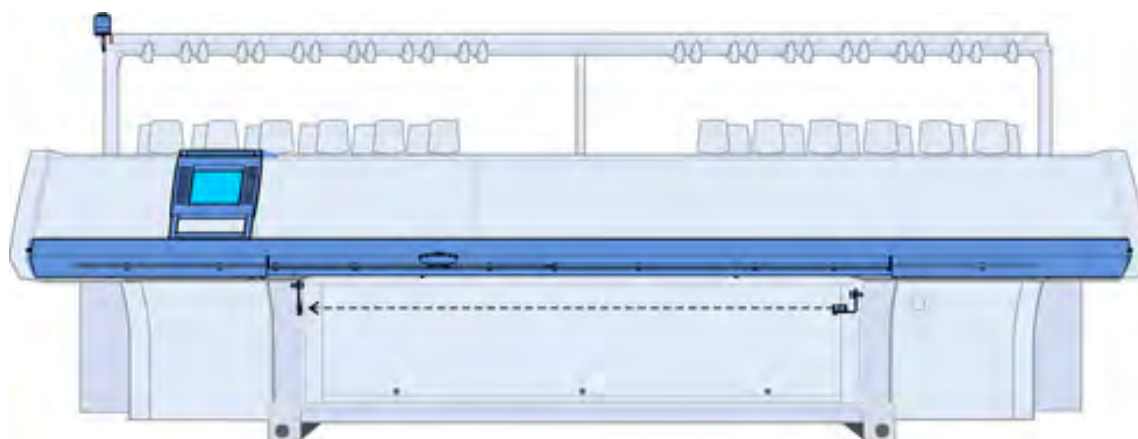
10.1.2 Lubrication unit at the rear complete

Pos	Designation	ID		Pos	Designation	ID
Σ	Lubrication unit at the rear complete	256 050				
1	Housing at the rear	240 772		500	Hexagon nut M4	023 046
2	Distributor complete	256 048		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:

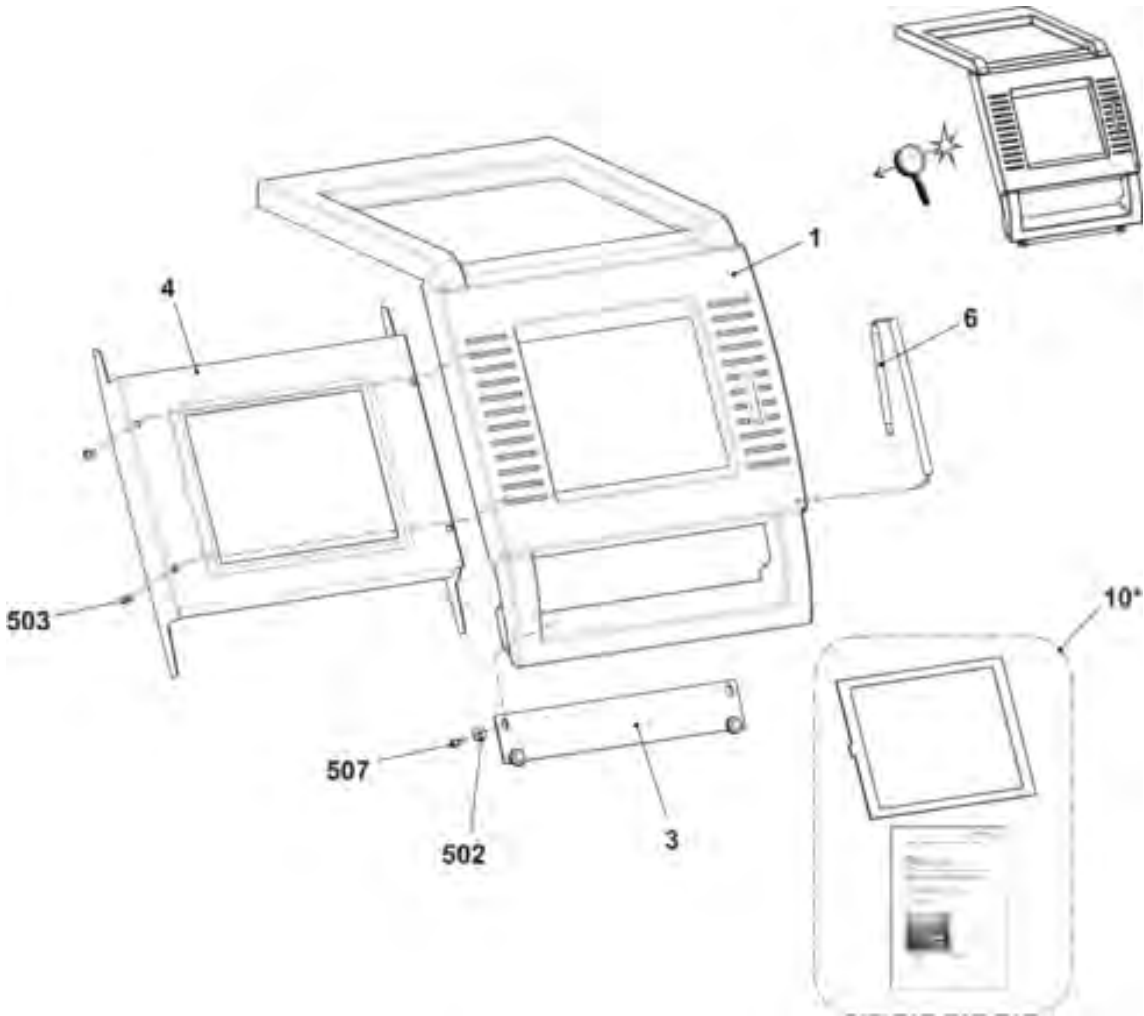
11 Operation and control



11.1 Input unit

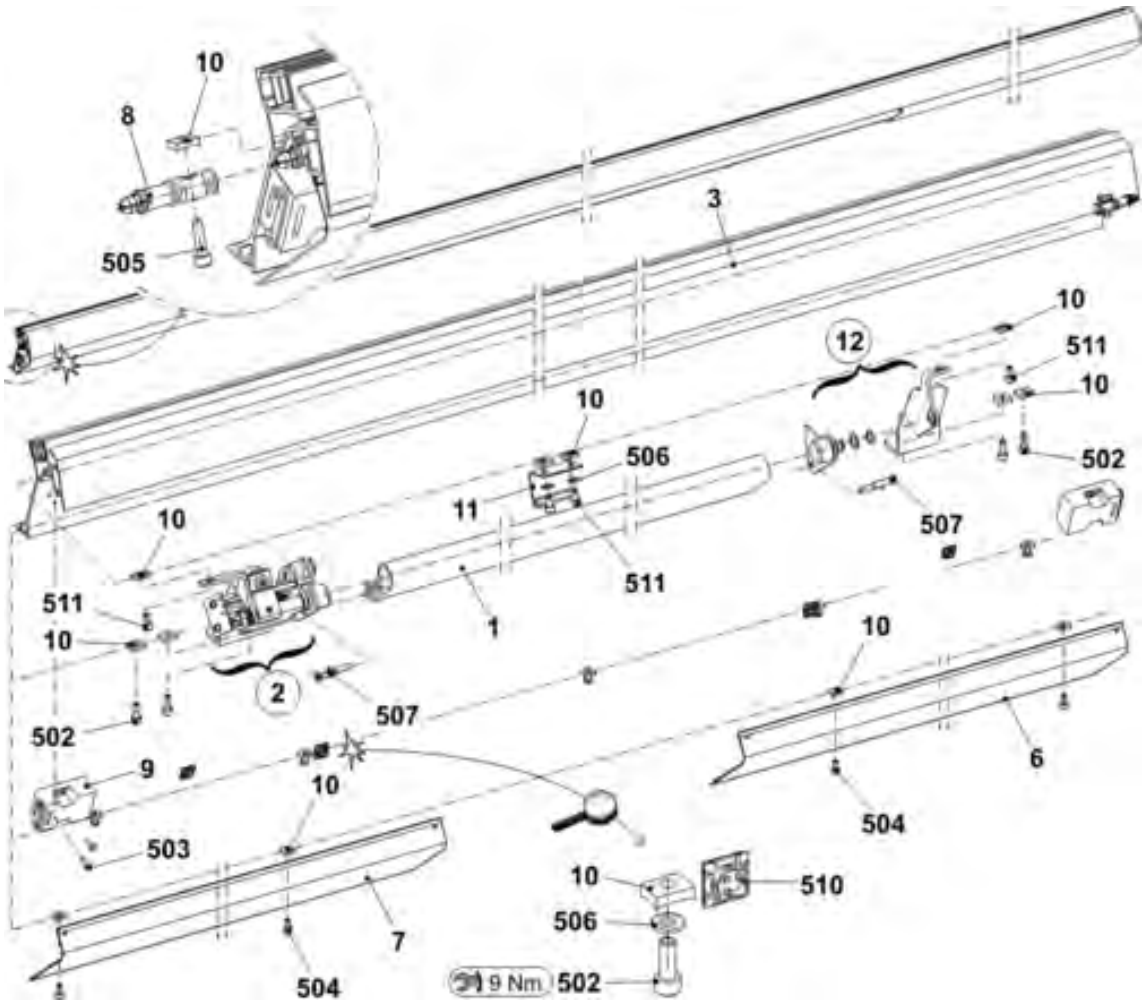
11.1 Input unit

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

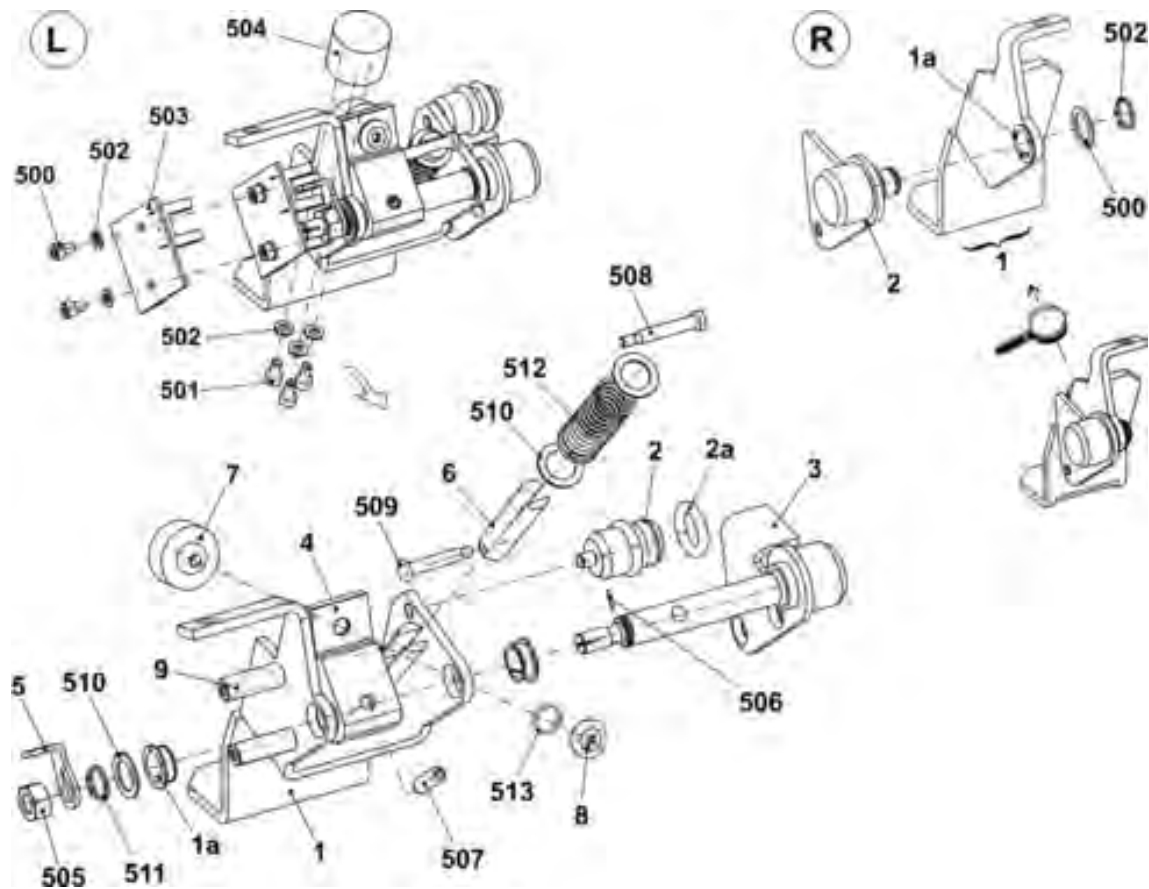
Pos	Designation	ID	Pos	Designation	ID
Σ	Starting device complete	241 229			
1	Engaging rod	241 224	12	Bearing on the right complete	252 964
2	Bearing on the left complete	250 071	502	Cap screw M6x16	020 135
3	Guide rail at the bottom complete	257 320	503	Pan-head screw M5x14	023 588
6	Cover plate on 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	Cable holder	262 037
11	Stabilizer	244 634	511	Cap screw M6x10	023 690



11.2 Starting device

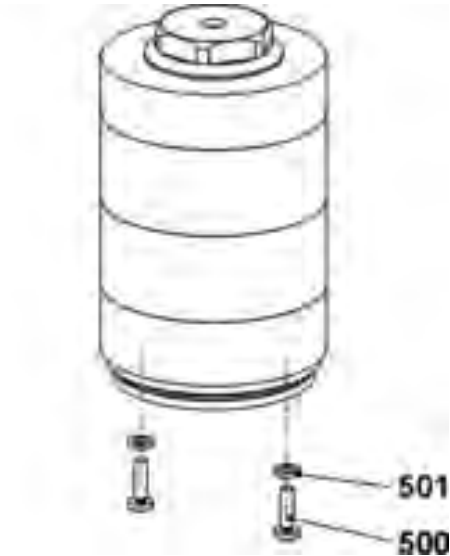
11.2.1 Bearing of the engaging rod

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	Retaining ring 12x1	020 951
6	Spring mandrel	251 340	512	Compression spring 1,25x15x98,2	023 609
7	Disk	245 222	513	Compression spring 0,5x11x12	251 369
8	Shoulder screw	254 528			
9	Distance bolt	240 287	R	Bearing on the right complete	252 964
500	Cap screw M4x6	023 067	1	Bearing on the right	240 230
501	Cap screw M4x8	022 501	1a	Clip bearing MCM 12-04	023 639
502	Shim ring 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	259 000	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Retaining ring 12x1	020 951



11.3 Signal light

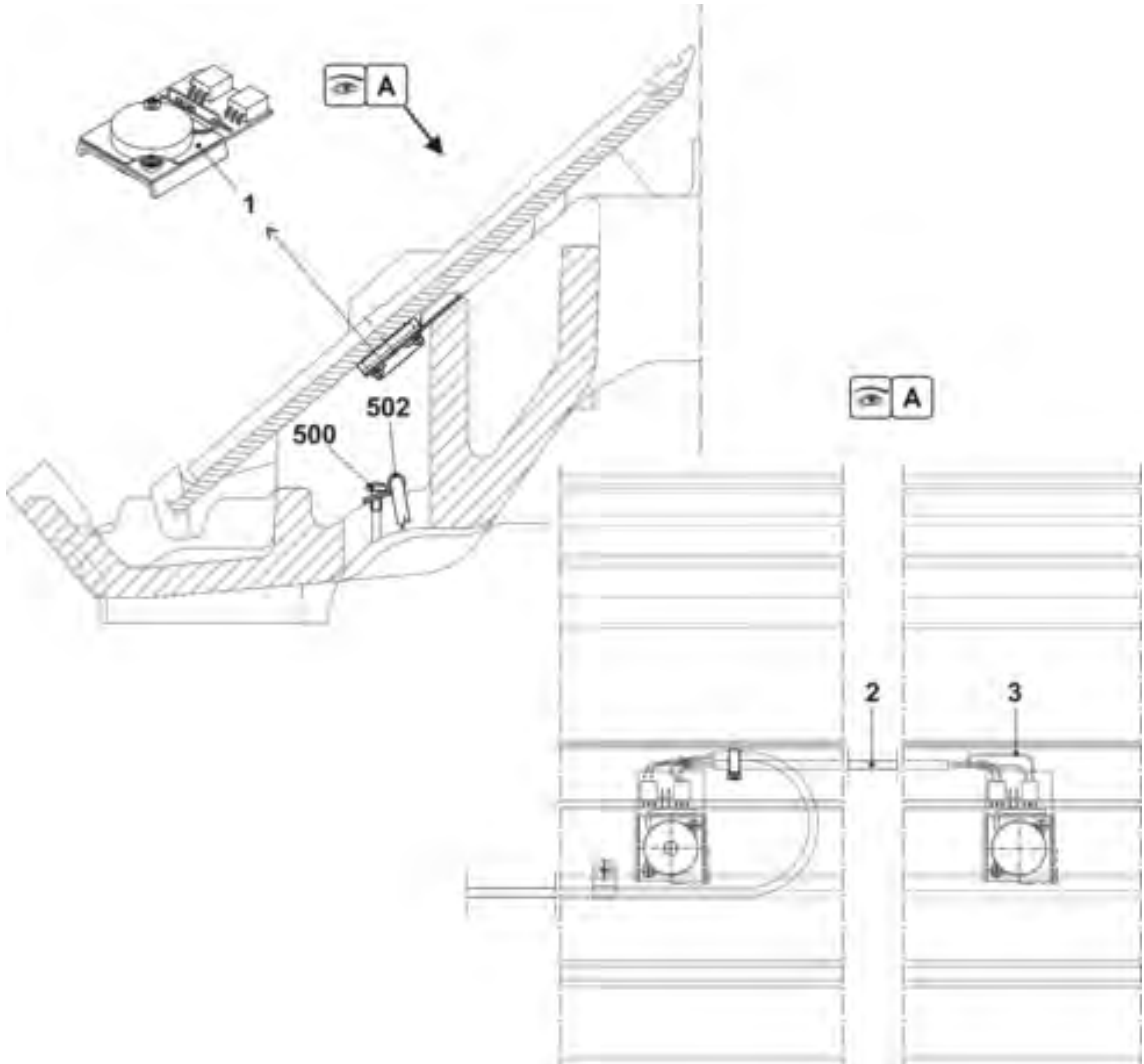
Pos	Designation		Id		Pos	Designation		Id
Σ	Signal light LED		240 395					
	500	Pan head screw M4x14	023 037					
	501	Serrated lock washer A4,3-FS	022 482					



11.4 Shock stop motion (up to E14)

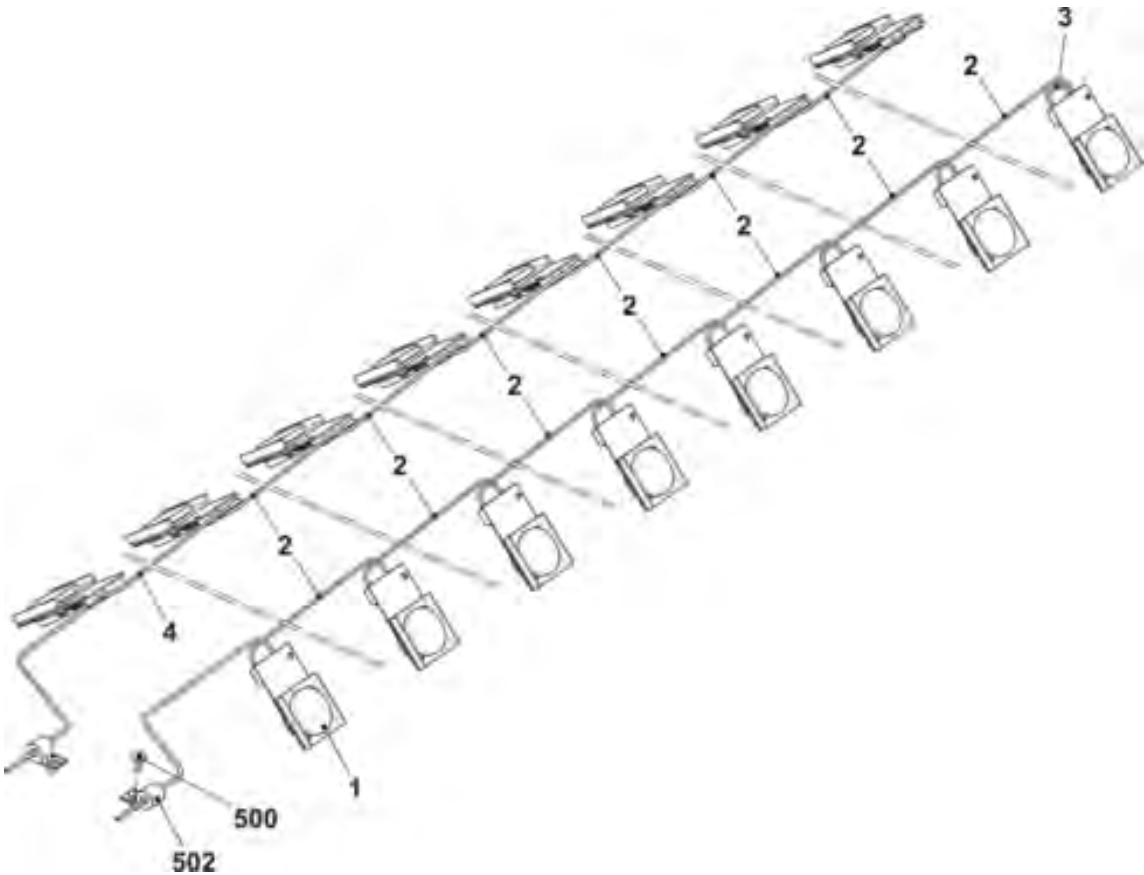
11.4 Shock stop motion (up to E14)

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 clip N-3B, 5 mm	210 729



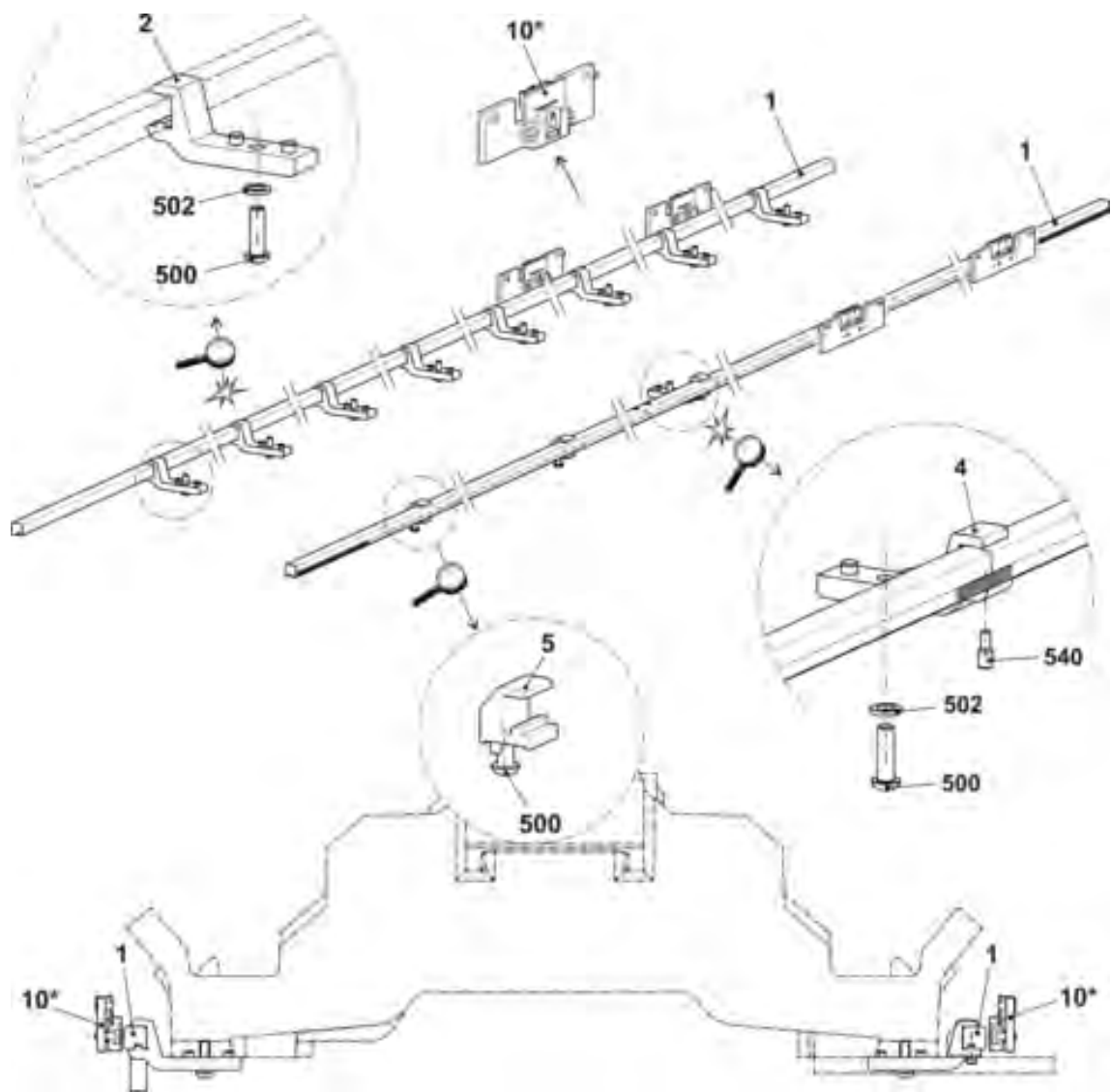
11.5 Shock stop motion E16|18

Pos	Designation	ID		Pos	Designation	ID
Σ	Shock stop motion complete E16-18	250 387				
1	Shock stop motion (Piezo)	220 011		4	Cable connection piezo	250 294
2	Cable connection piezo	250 293		500	Pan-head screw M4x8	023 036
3	End plug piezo sensor	220 053		502	Cable clip N-3B, 5 mm	210 729

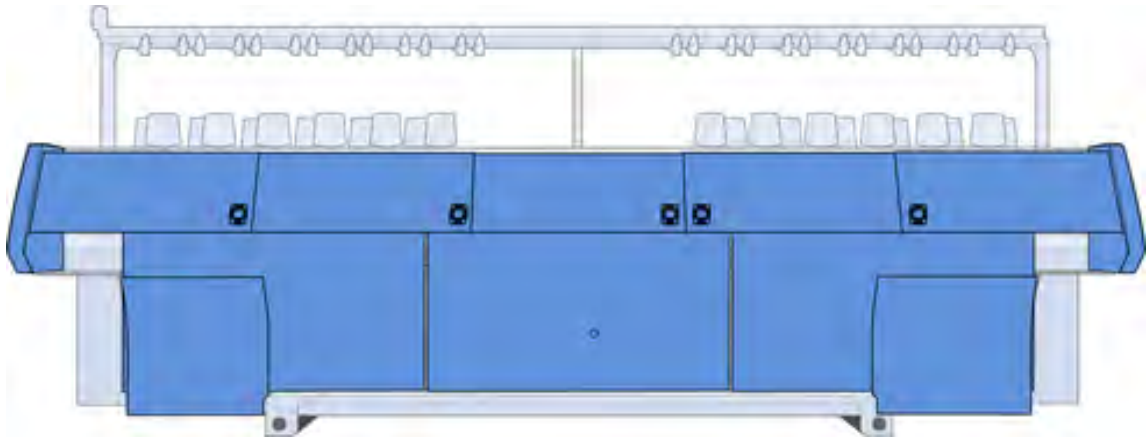


11.6 Measuring device

Pos	Designation		ID		Pos	Designation		ID
Σ	Measuring device		259 320					
1	Measuring bar		258 294		5	Guide outside		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*	Spare parts package impulse sensor GLM		259 613



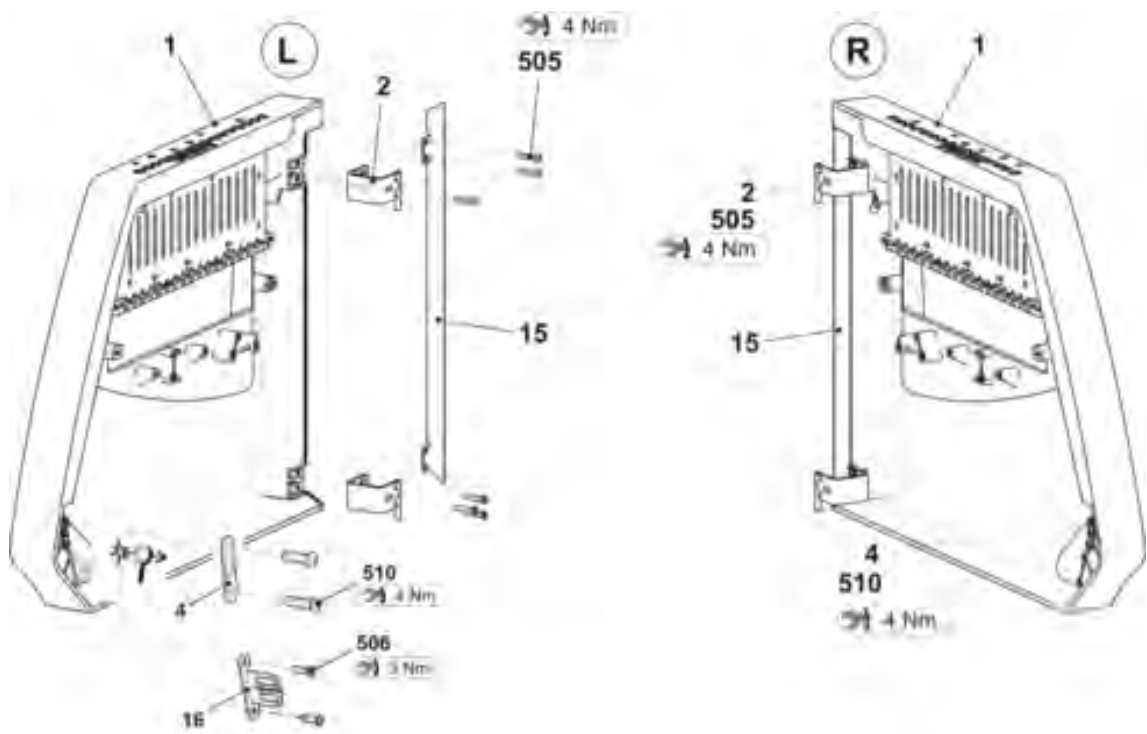
12 Protective device



12.1 Lateral safety doors

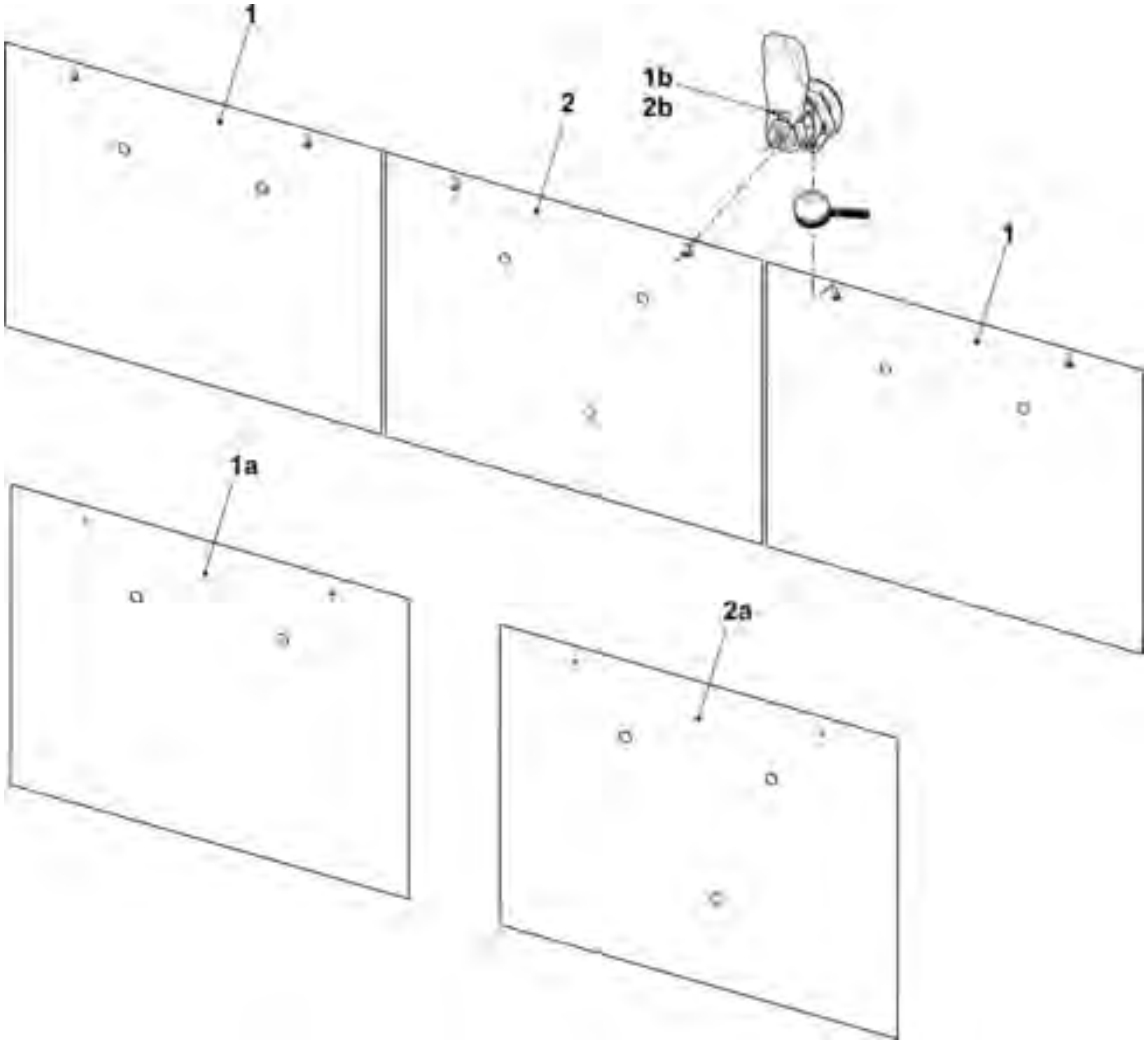
12.1 Lateral safety doors

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	263 940		2	Hinge right safety door	263 941
4	Locking plate	219 748		4	Locking plate	219 748
15	Border at left safety door	242 749		15	Border 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



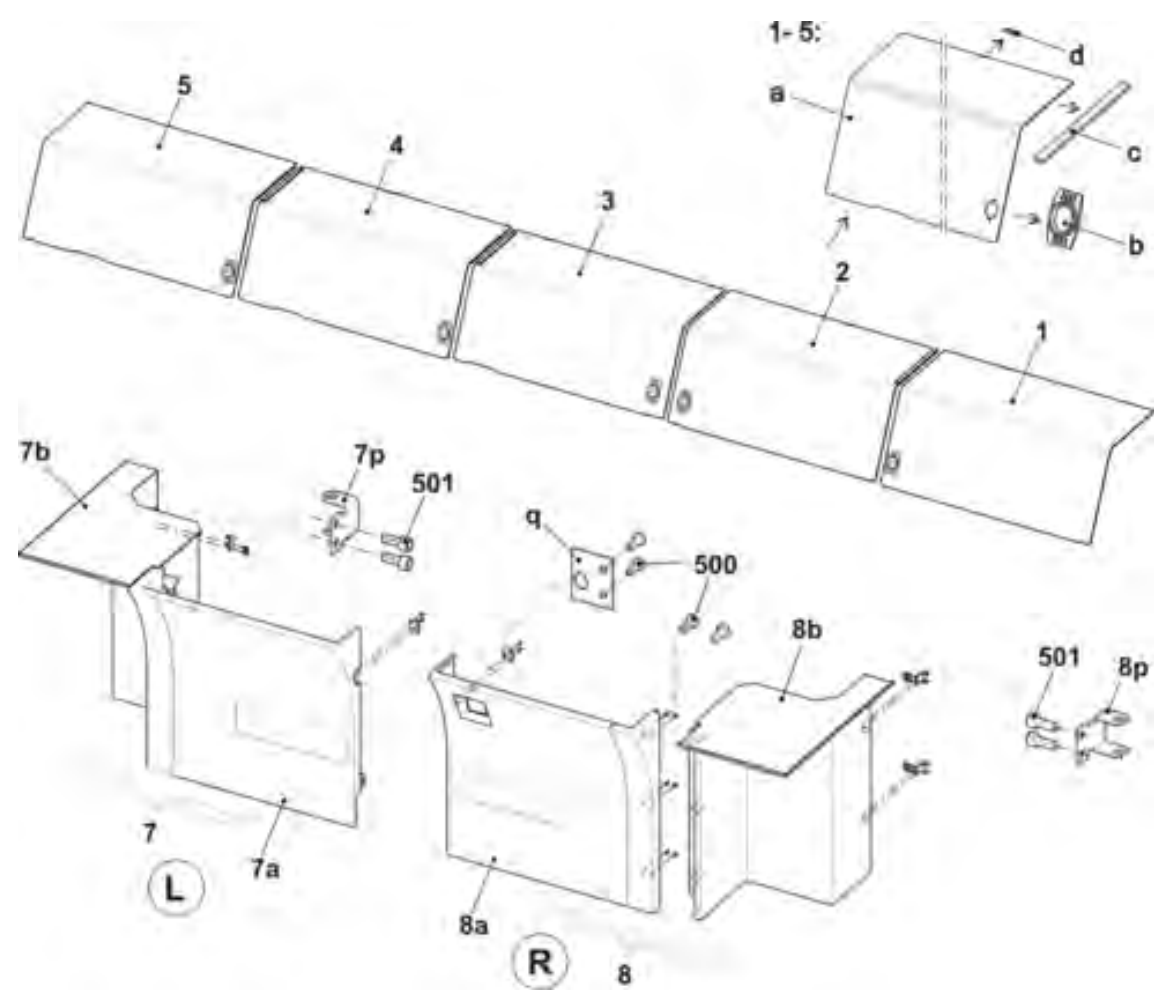
12.2 Rear panel

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

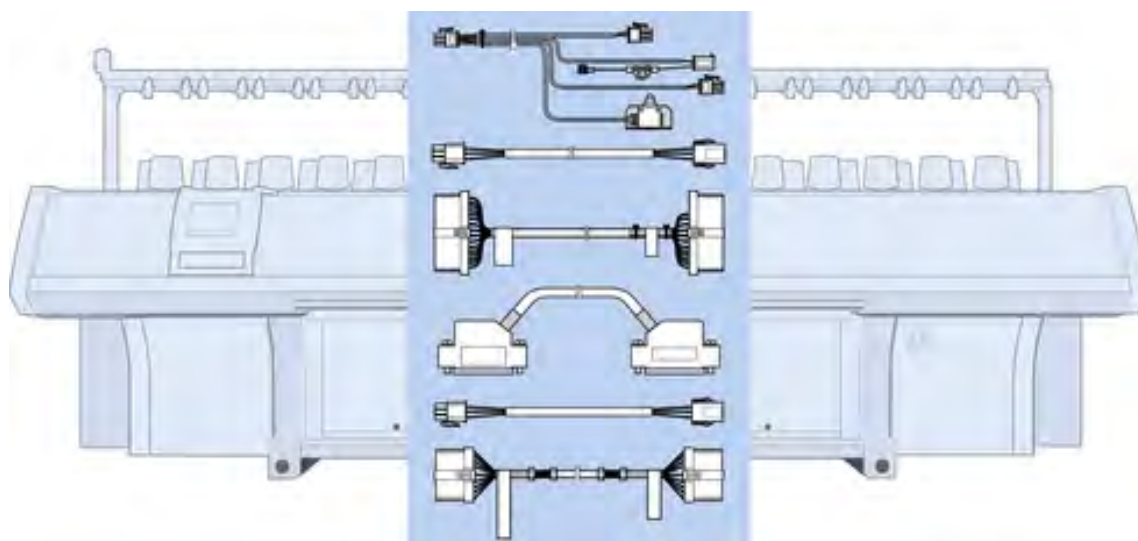


12.3 Panelling

Pos	Designation	ID	Pos	Designation	ID
1	Cover 1 (complete)	257 321	4	Cover 4 complete	257 324
	1a Cover	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

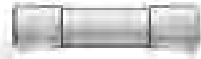


13 Electrical equipment



13.1 Fuses

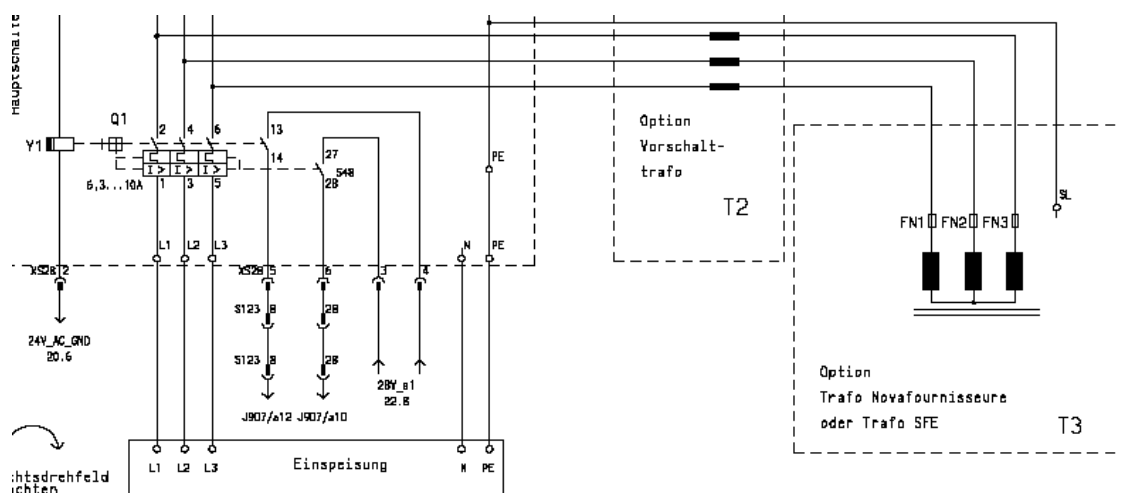
13.1 Fuses

	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

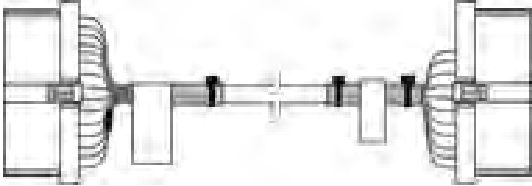
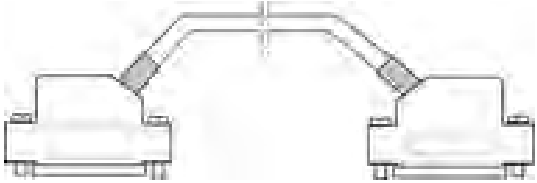
Designation	ID	Marking
Circuit diagram 221 German	257 279	_DE
Circuit diagram 221 English	257 279	_GB
Circuit diagram 221 Chinese	257 279	_CN

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

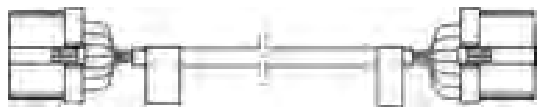


13.3 Trailing cable

13.3 Trailing cable

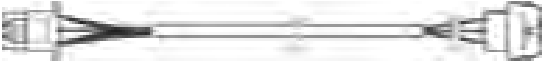
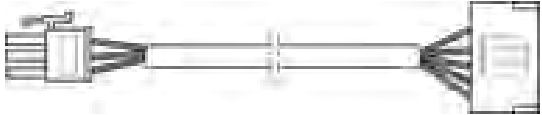
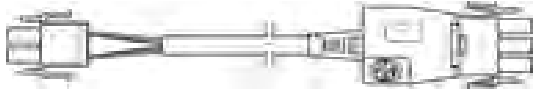
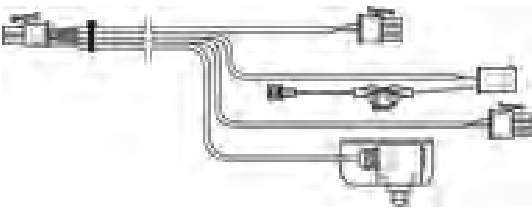
Designation	ID	Designation	ID
Trailing cable set OKC 933 2IMP-2	259 305		
Cable impulse sensor 2 at the rear on the left XL138, 933 OKC3	259 371	Cable SM rear left XL321, 933 OKC	242 709
Cable impulse sensor 2 at the rear on the left XL139, 933 OKC3	259 372	Cable SM front left XL323, 933 OKC	242 711
Cable impulse sensor 2 at the rear on the left XL136, 933 OKC3	259 373	Cable SM rear right XL325, 933 OKC	242 713
Cable impulse sensor 2 at the rear on the left XL137, 933 OKC3	259 374	Cable SM front right XL327, 933 OKC	242 715
			
Cable yarn carrier on the left, 9XX OKC	242 707	Cable signal at the rear on the left XL322, 933 OKC	242 710
Cable yarn carrier on the right, 9XX OKC	242 708	Cable signal front left XL324, 933 OKC	242 712
		Cable signal at the rear on the right XL326, 933 OKC	242 714
		Cable signal front right XL328, 933 OKC	242 716
			

13.4 Loom of cables 1

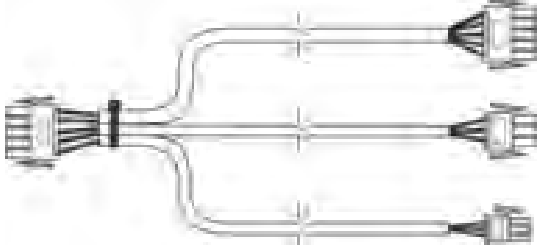
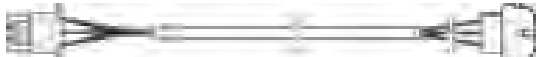
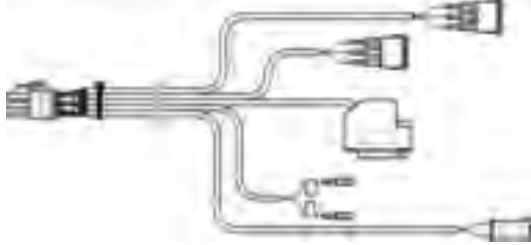
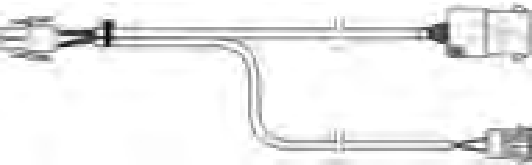
Pos	Designation	ID		Pos	Designation	ID
Σ	Loom of cables 1 OKC 9XX	242 502				
1	Cable Engaging rod 9XX OKC	242 505		2	Cable supply FKE lamp 9XX OKC	242 506
						
3	Cable protective device on the left 9XX OKC	253 616				
						

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			
					

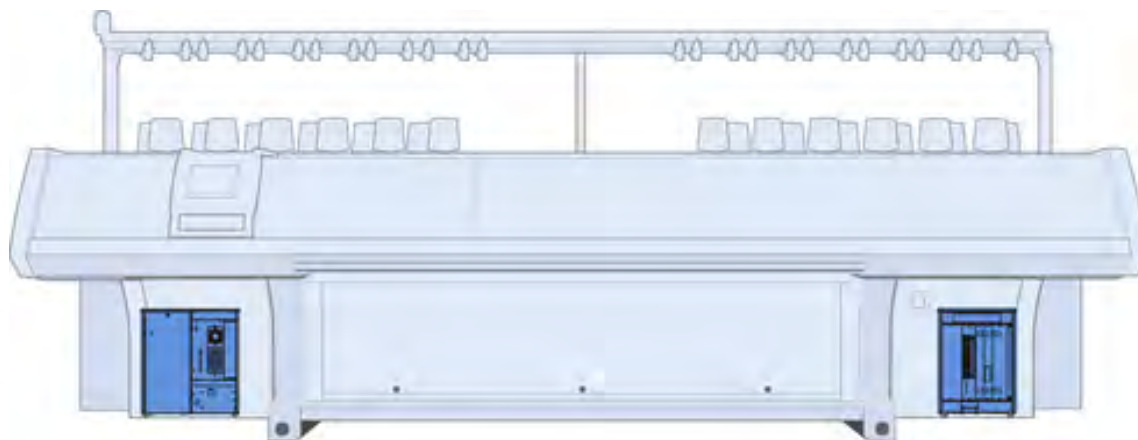
13.6 Loom of cables 3

Pos	Designation	ID	Pos	Designation	ID
Σ	Loom of cables 3 96" OKC	242 504			
1	Cable CAN 96" 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 Servo 96" OKC	242 766	8	Cable power supply unit of mains supply 96" OKC	242 767
					
9	Cable power supply lighting 96" 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:

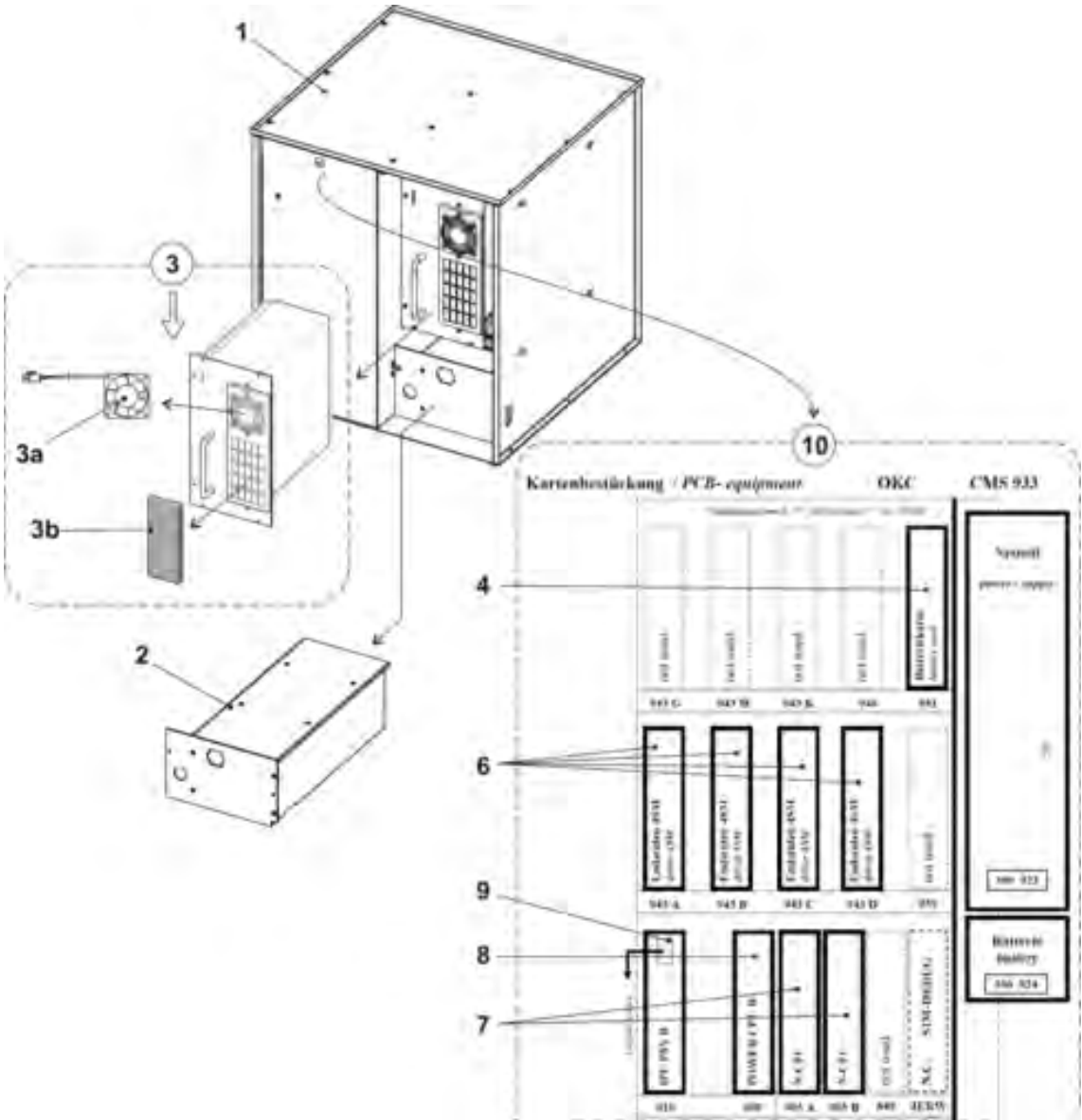
14 Control electronics



14.1 Left control cabinet

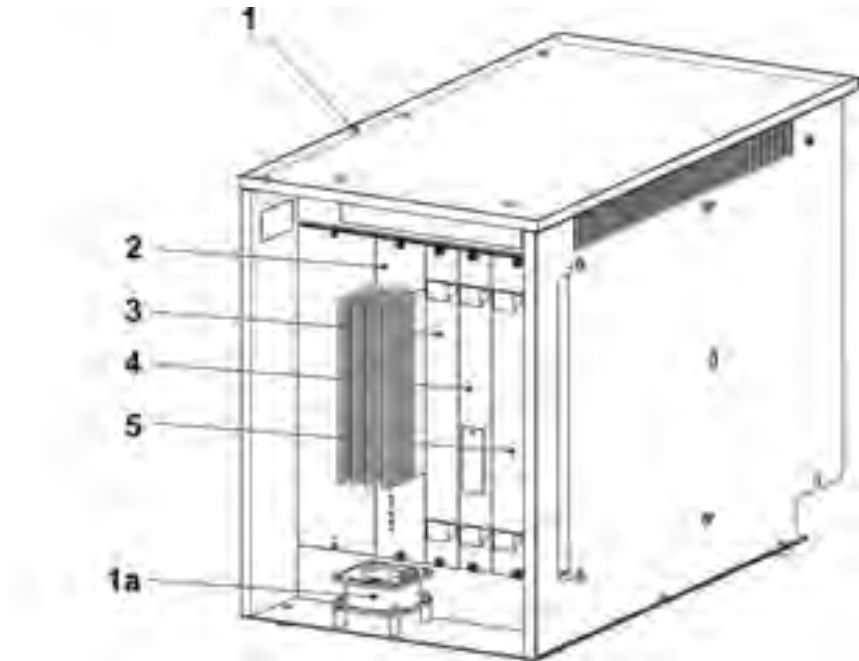
14.1 Left control cabinet

Pos	Designation		ID		Pos	Designation	ID
Σ	Control unit on the left complete 933 5/6 Zoll		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 package IPC P8X S 01	257 040
	3b	Filter pad CG54	239 350		10	Adhesive label of card equipment on the left	254 861



14.2 Right control cabinet

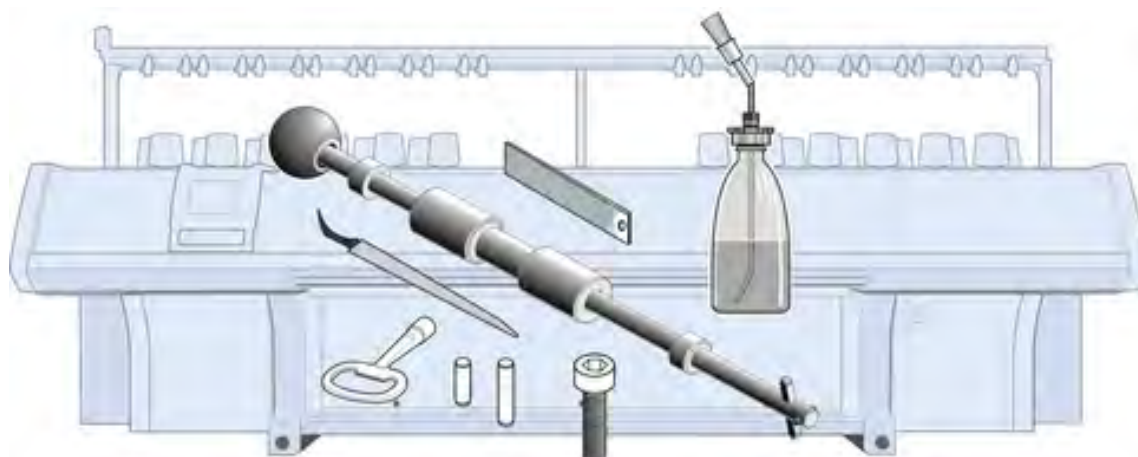
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit on the right complete OKC	238 738				
1	Control unit on the right without any equipment	238 737		3	Card relay okc	300 953
1a	Axial flow fan Servo 5	229 059		4	Card CWAZ	300 929
2	Card Servo 6	301 000		5	Capacitor card CWAZ	300 936



14.2 Right control cabinet

Notes:

15 Deliverable accessories



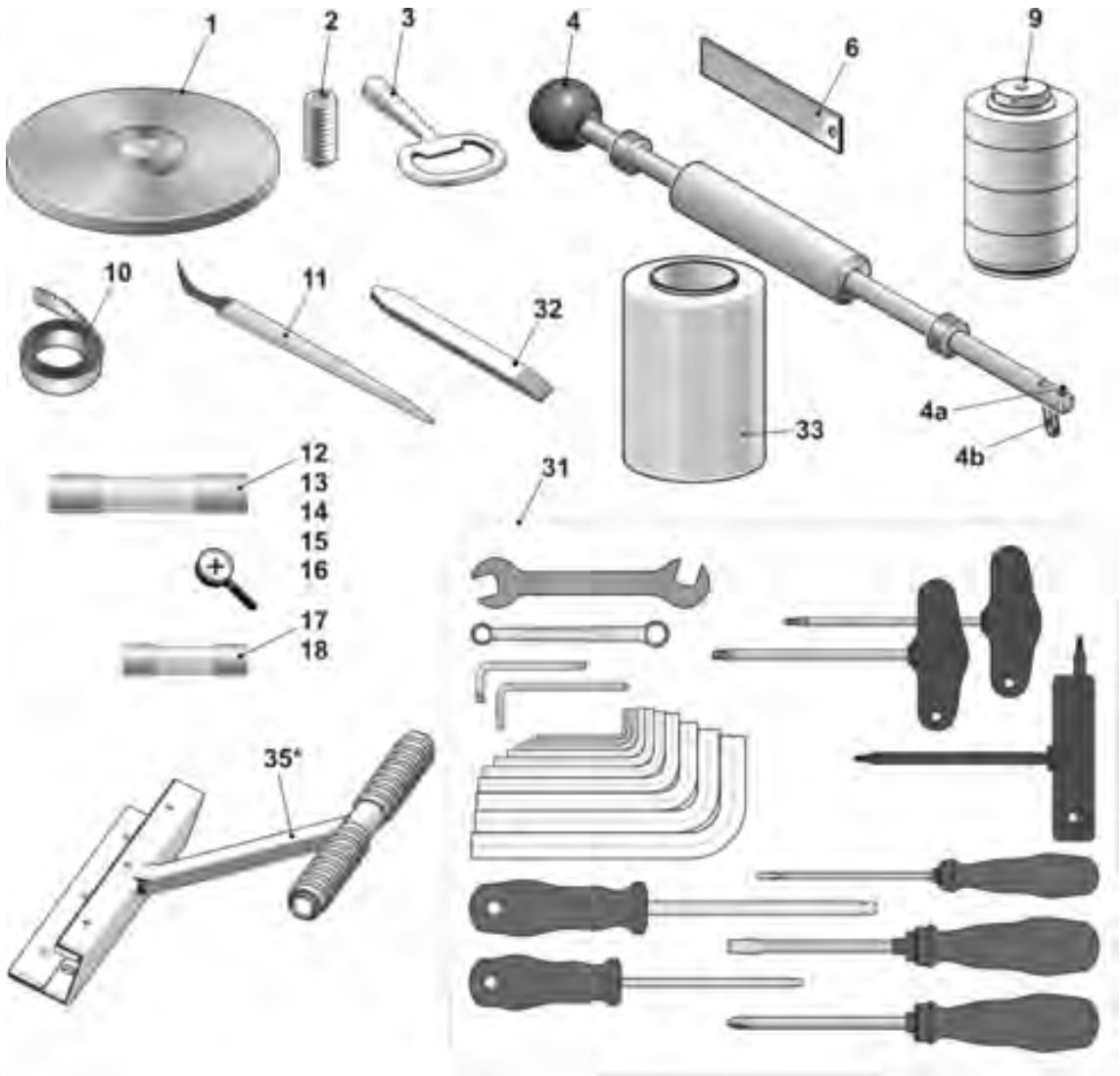
You can order the following tools, lubricants and expendables.

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	Shim	056 569			
2	Setscrew M16x40	244 061	13	Fuse 6,3A T/440V 6,3x32	026 809
3	Key of switch cabinet	009 346	14	Fuse 10A T/440V 6,3x32Fuse	025 258
4	Extraction hook	232 027	15	Fuse 2,5A T/440V 6,3x32	217 465
4a	Small pin	202 843	16	Fuse 1A T/440V 6,3x32	209 321
4b	Pin	232 022	17	Fuse 1,6A T 5x20	008 715
6	File	006 173	18	Micro fuse F1,0A	008 748
9	Signal lightLED	240 395	31	Tool kit	209 527
10	Measuring tape L=150cm	228 180	32	Channel chisel E14-20 (E5-14)	062 316
11	Working hook	227 249	33	Elastic thread	209 266
12	Fuse 3,15A T/440V 6,3x32	025 261	35*	Device needle bed complete	263 625



15.2 Lubricating stuff

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



15.2 Lubricating stuff

Notes:

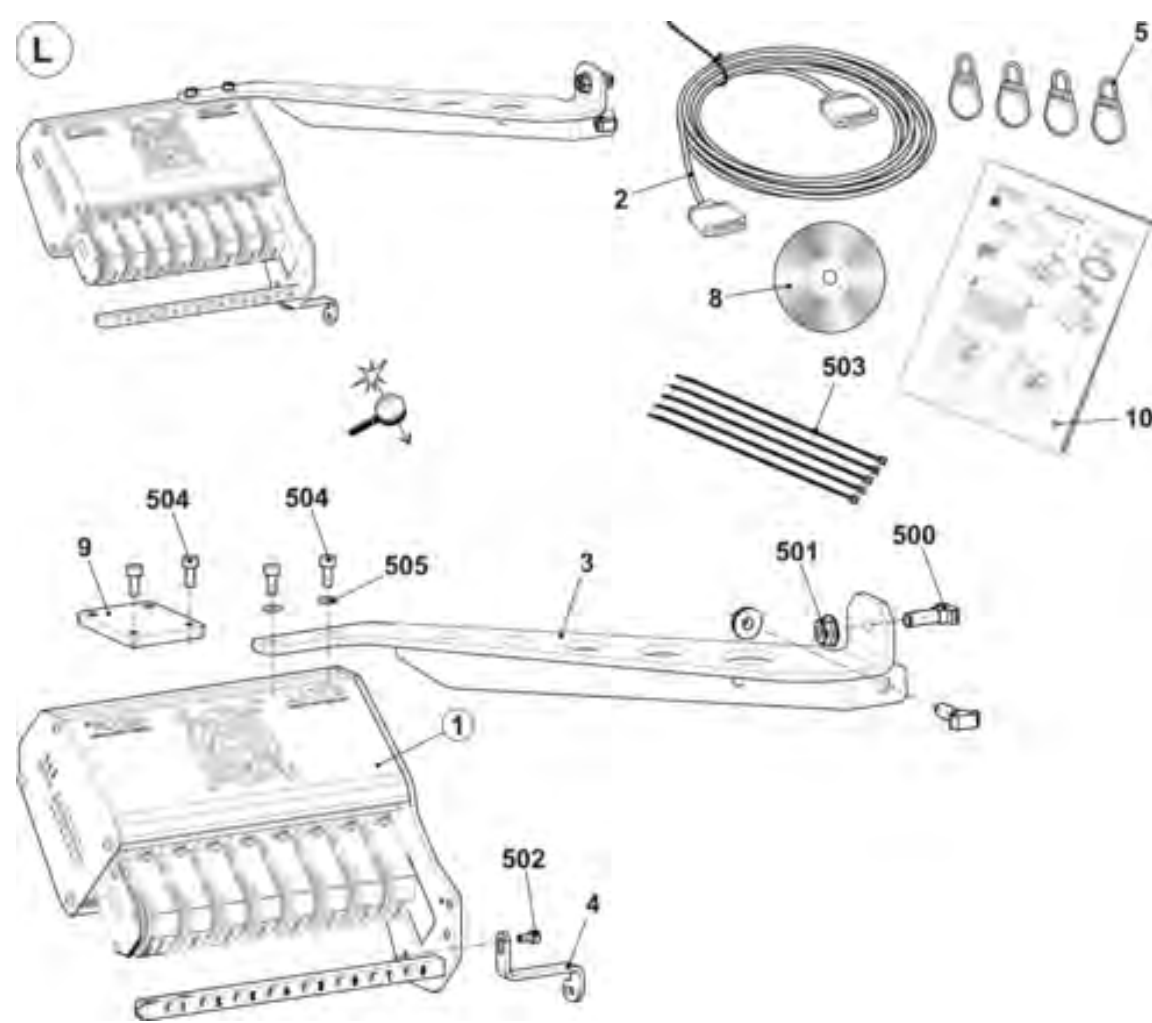
16 Special attachments



16.1 Yarn length measuring device on the right complete CMS 933

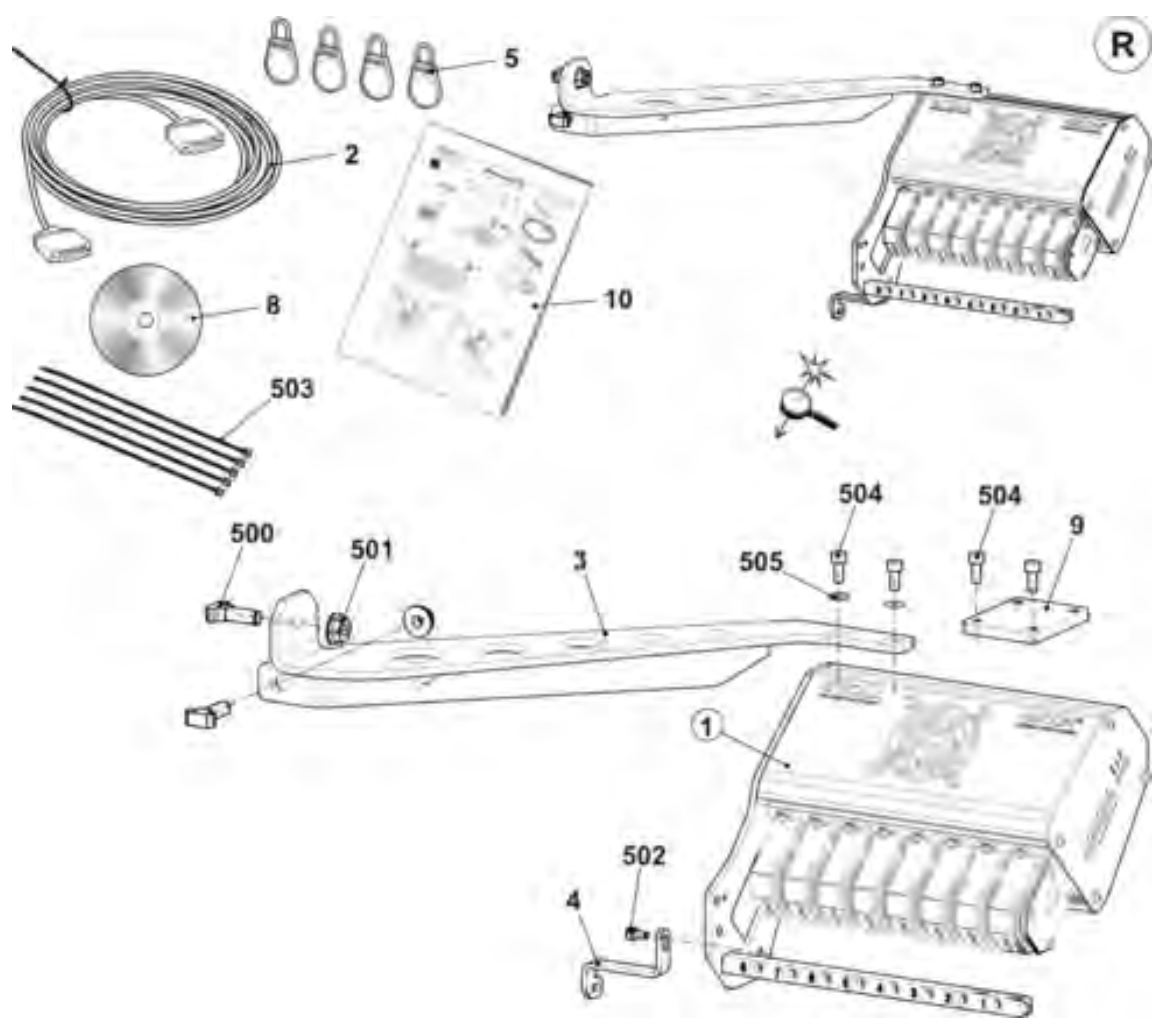
16.1 Yarn length measuring device on the right complete
CMS 933

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		10	Operating instructions of ASCON assembly	259 381
2	Cable ASCON	257 239		500	T-head bolt M8x25	022 866
3	Support on the left	257 857		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
8	DVD with operating instructions	258 391		504	Cap screw M5x12	020 132
9	Holding plate	258 386		505	Washer5	020 871



16.2 Yarn length measuring device on the right complete
CMS 933

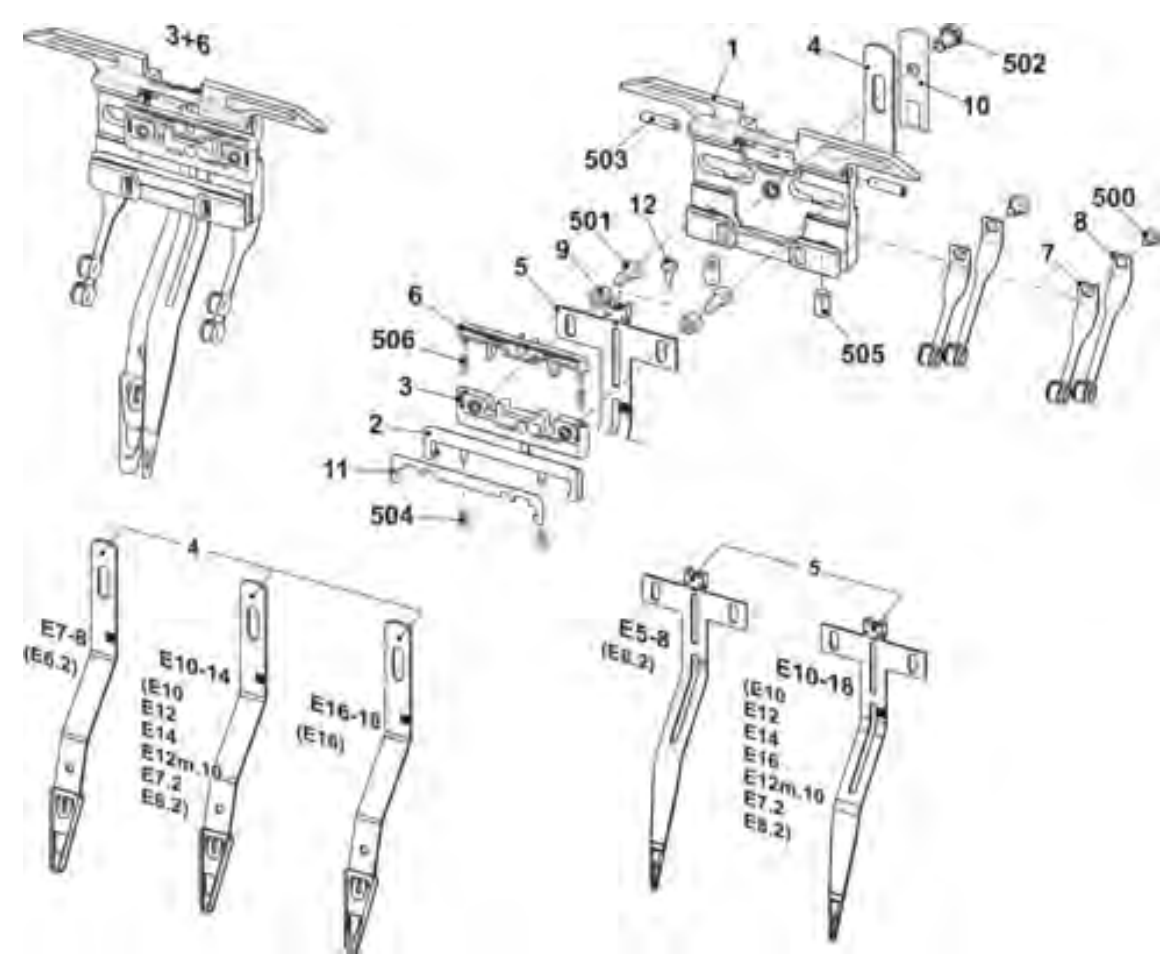
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn length measuring device on the right complete	257 904				
1	Yarn length measuring device on the right complete	257 282		10	Operating instructions of ASCON assembly	259 381
2	Cable ASCON	257 239		500	T-head bolt M8x25	022 866
3	Support right	257 856		501	Serrated 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
8	DVD with operating instructions	258 391		504	Cap screw M5x12	020 132
9	Holding plate	258 386		505	Washer5	020 871



16.3 Plating yarn carrier 3+6

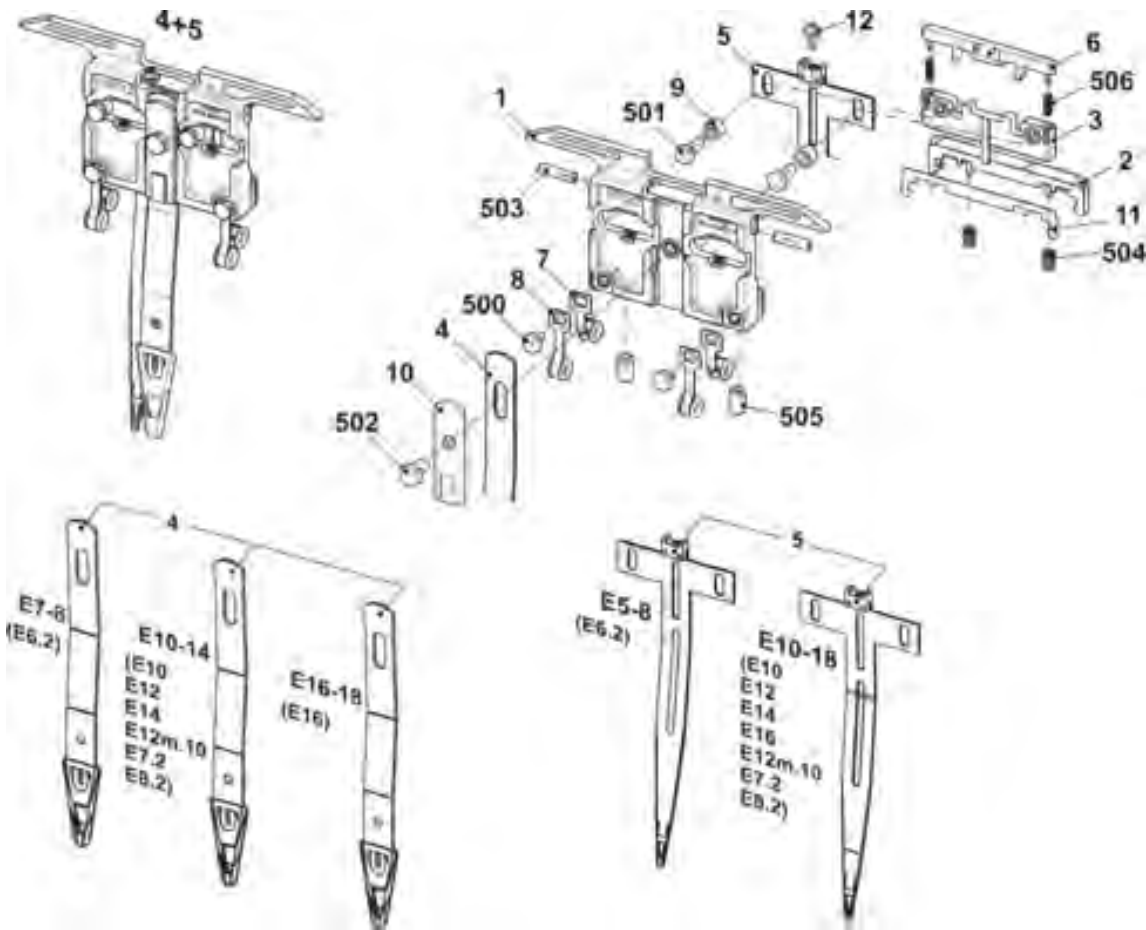
16.3 Plating yarn carrier 3+6

Pos	Designation	ID	Pos	Designation	ID
Σ	Plating yarn carrier carriage 3+6 complete				
	E6.2	252 784	7	Eyelet holder complete	252 825
	E10 E12 E14 E12m.10 E7.2 E8.2	252 786	8	Eyelet holder complete	252 824
	E16	252 788	9	Distance bushing	252 796
1	Plating yarn carrier carriage	252 806	10	Shim	213 035
2	Sliding piece	212 583	11	Shim	216 143
3	Slider	252 798	12	Adjusting screw	253 436
4	Plating yarn carrier bow 3+6 complete		500	Hexagon screwM4x5	243 779
	E7-8	252 821	501	Hexagon screwM4x10	020 346
	E10-14	252 822	502	Hexagon screw	252 832
	E16-18	252 823	503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 3+6 completeE5-8	252 800	504	Compression spring	021 399
	Plating yarn carrier bow 3+6 completeE10-18	252 808	505	Threaded bolt	213 399
6	Sliding piece	252 797	506	Compression spring	253 058



16.4 Plating yarn carrier 4+5

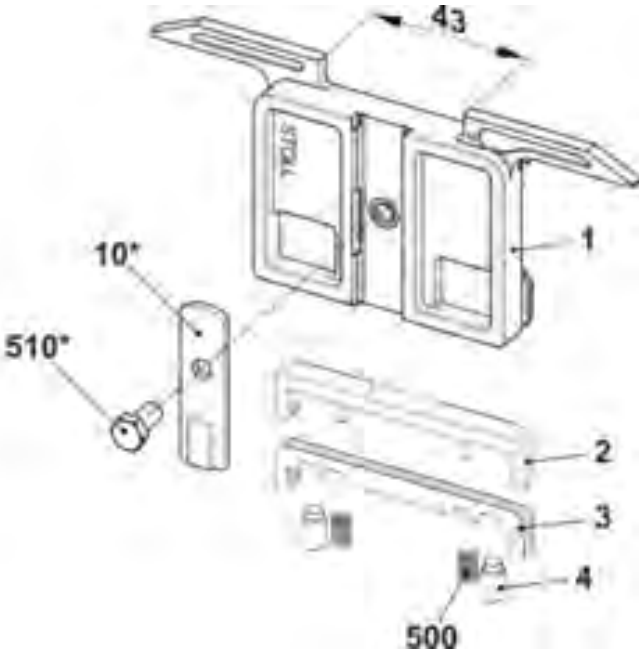
Pos	Designation	ID		Pos	Designation	ID
Σ	Plating yarn carrier carriage 4+5 complete					
	E6.2	252 783		7	Eyelet holder complete	252 815
	E10 E12 E14 E12m.10 E7.2 E8.2	252 785		8	Eyelet holder complete	252 816
	E16	252 787		9	Distance bushing	252 796
1	Plating yarn carrier carriage	252 806		10	Shim	213 035
2	Sliding piece	212 583		11	Shim	216 143
3	Slider	252 798		12	Adjusting screw	253 436
4	Plating yarn carrier bow 4+5 complete			500	Hexagon screwM4x5	243 779
	E7-8	252 791		501	Hexagon screwM4x10	020 346
	E10-14	252 792		502	Hexagon screw	252 832
	E16-18	252 793		503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 4+5 E5-8	252 799		504	Compression spring	021 399
	Plating yarn carrier bow 4+5 E10-18	252 807		505	Threaded bolt	213 399
6	Sliding piece	252 797		506	Compression spring	253 058



16.5 Carriage of plating yarn carrier EW43

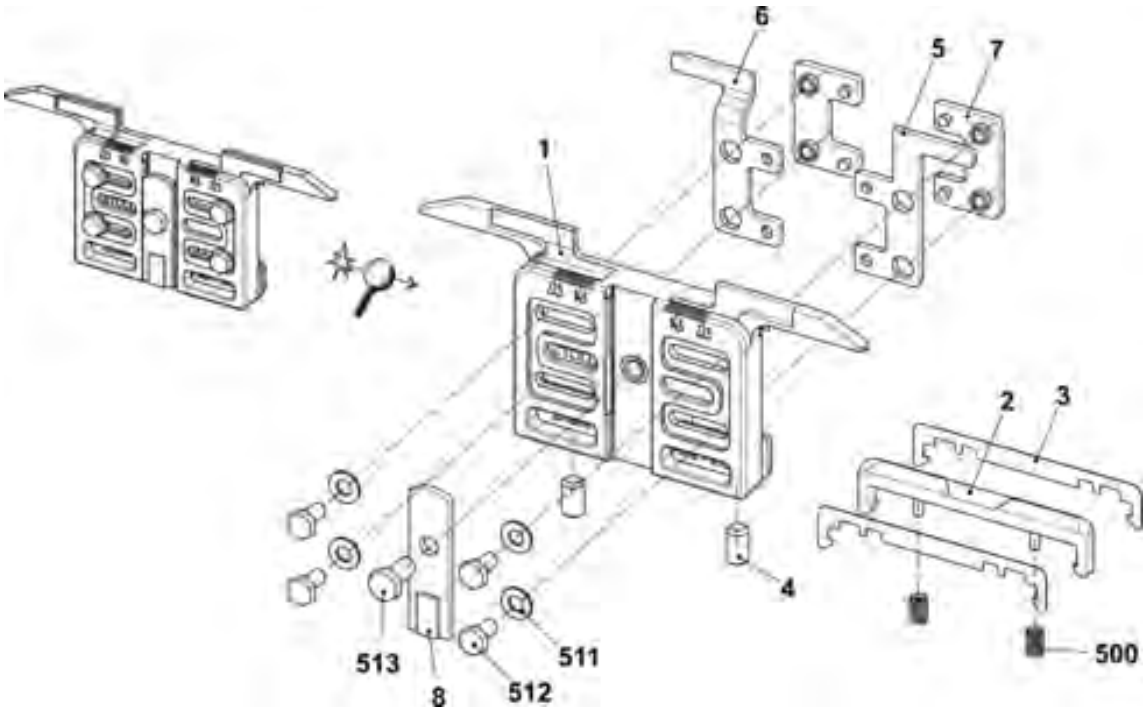
16.5 Carriage of plating yarn carrier EW43

Pos	Designation	Id		Pos	Designation	Id
A	Plating FF carriage complete EW 43	257 241		4	Threaded bolt	213 399
1	FF carriage EW 43	257 240		500	Compression spring 4,0x0,55x11	021 399
2	Sliding piece	212 583		10*	Shim	213 035
3	Shim	216 143		510*	Hexagon screw M5x10	020 351



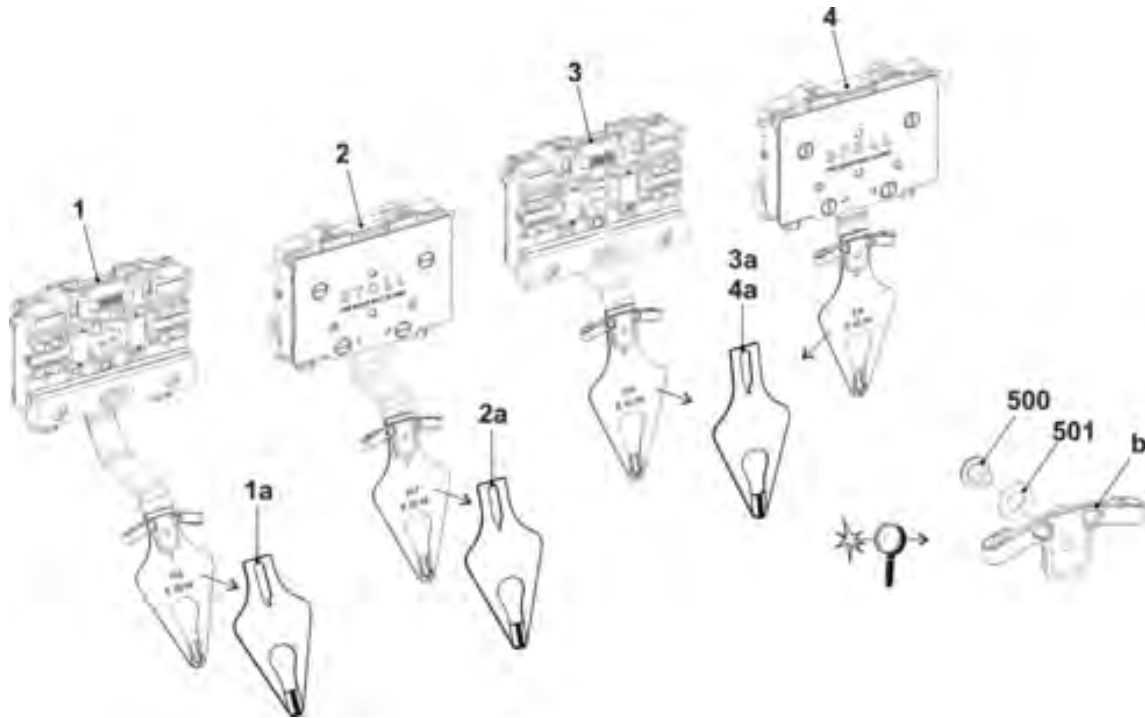
16.6 Carriage of plating yarn carrier (adjustable)

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



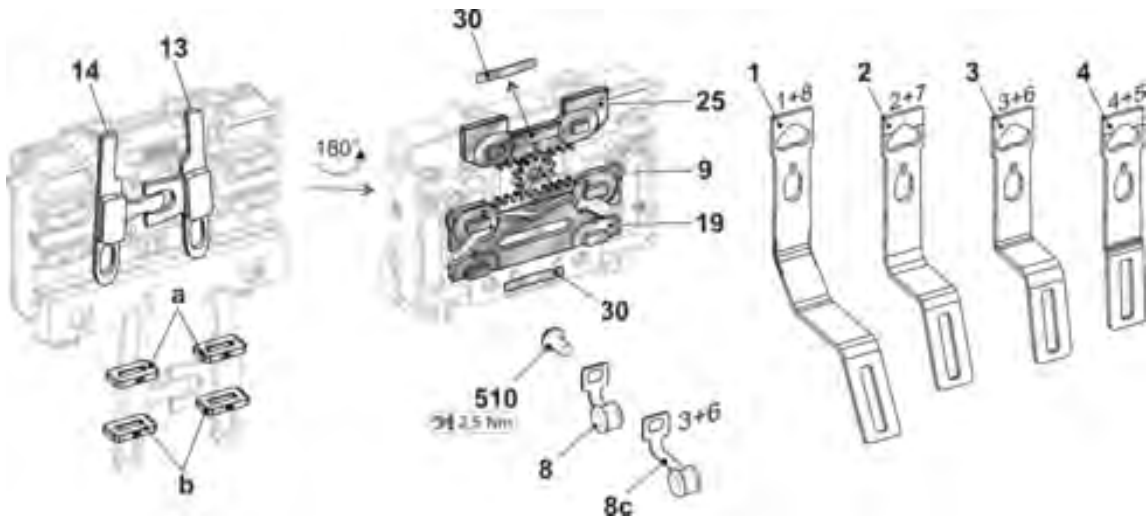
16.7 Intarsia yarn carrier type 2, Overview

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



16.7.1 Continuation Intarsia yarn carrier type 2

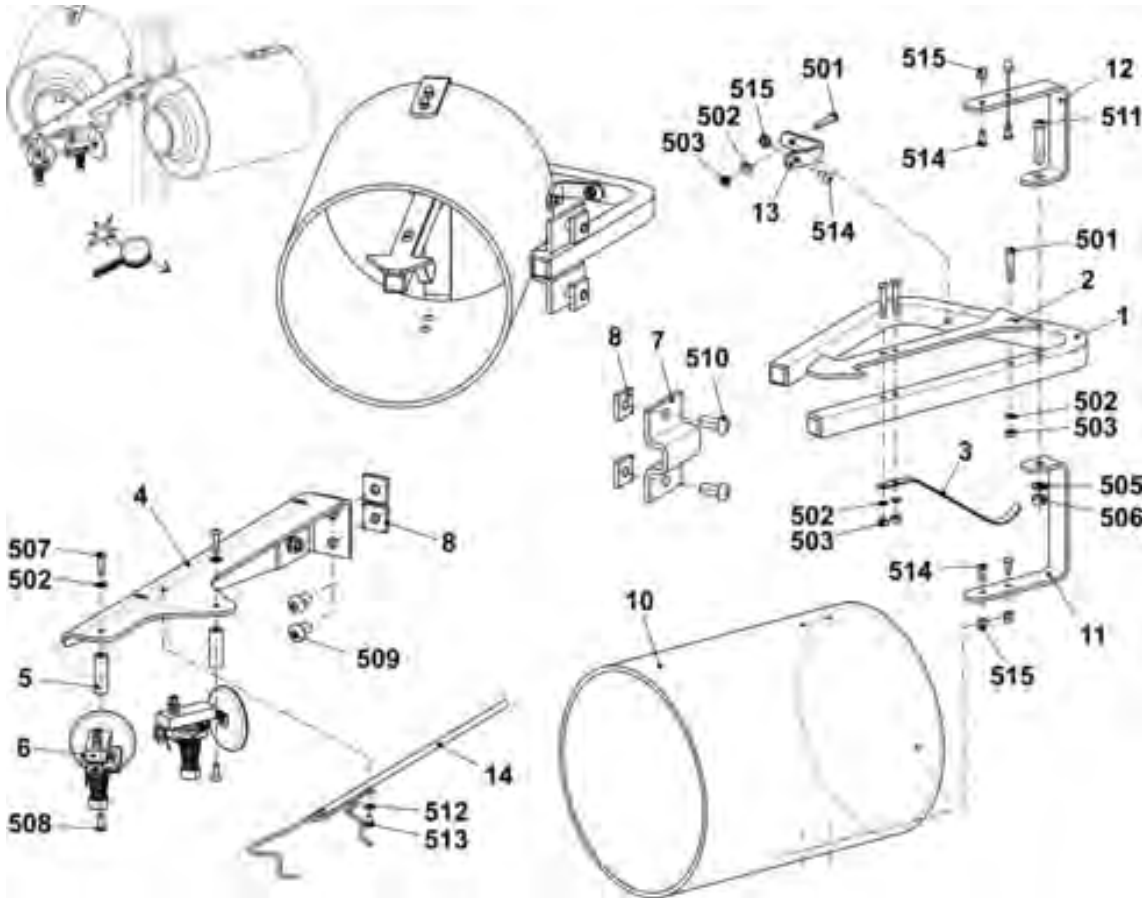
Pos	Designation	Id		Pos	Designation	Id
Σ	IFF carriage 1+8	259 728		1	FF bow 1+8	259 719
	IFF carriage 2+7	259 729		2	FF bow 2+7	259 720
	IFF carriage 3+6	259 730		3	FF bow 3+6	259 721
	IFF carriage 4+5	259 731		4	FF bow 4+5	259 722
8	Eyelet holder complete	260 702		a	Pressure plate 2,02 H	262 433
8c	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 Bobbin holder on the left

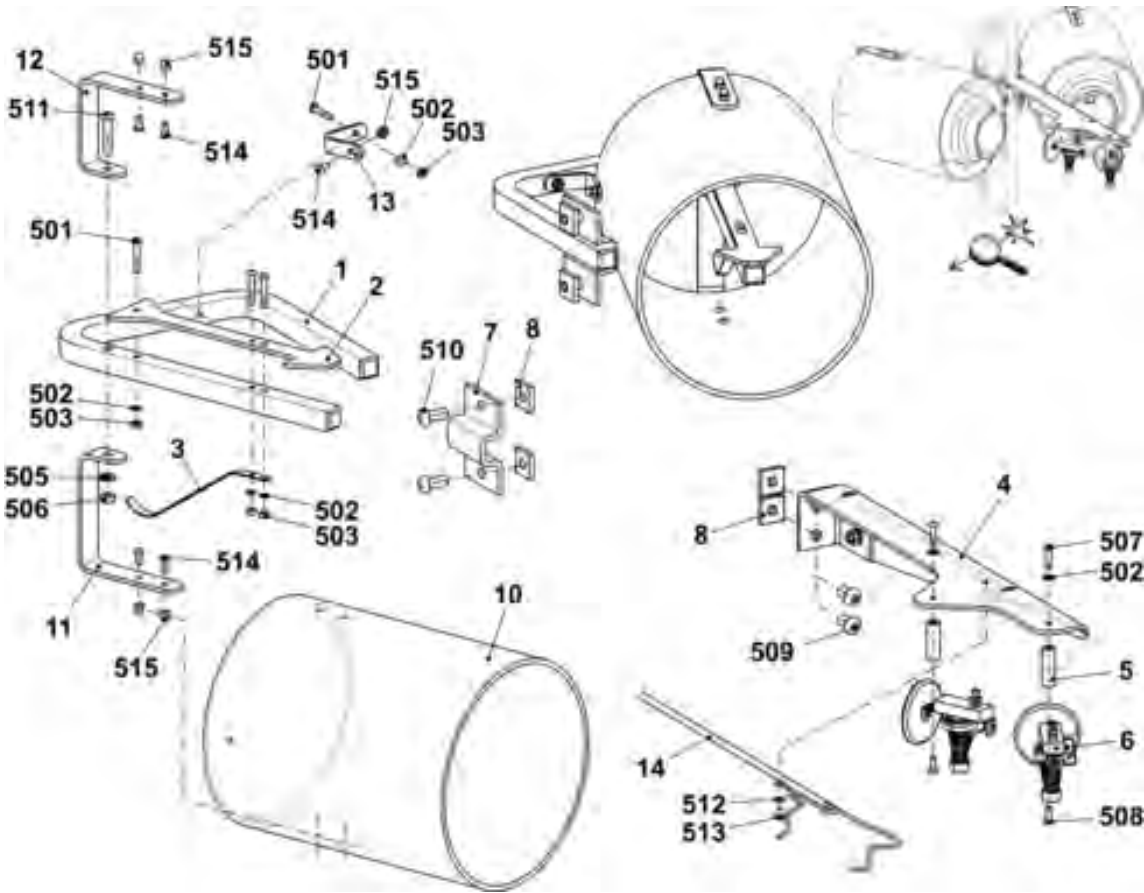
16.8 Bobbin holder on the left

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



16.9 Bobbin holder on the right

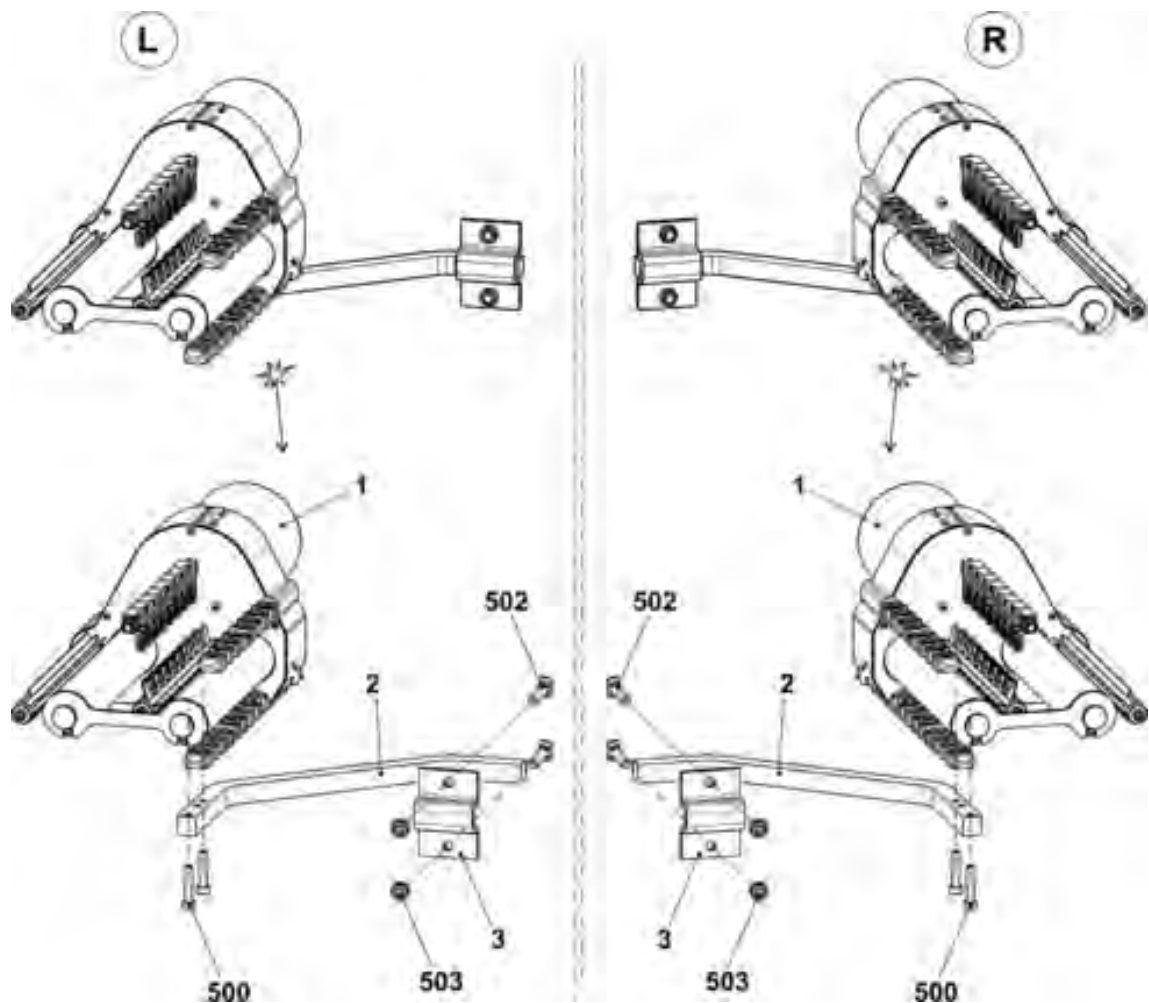
Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the right	253 966	501	Pan head screw M4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support right	253 348	506	Hexagon nut M6-6	022 899
5	Spacer	253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



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

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

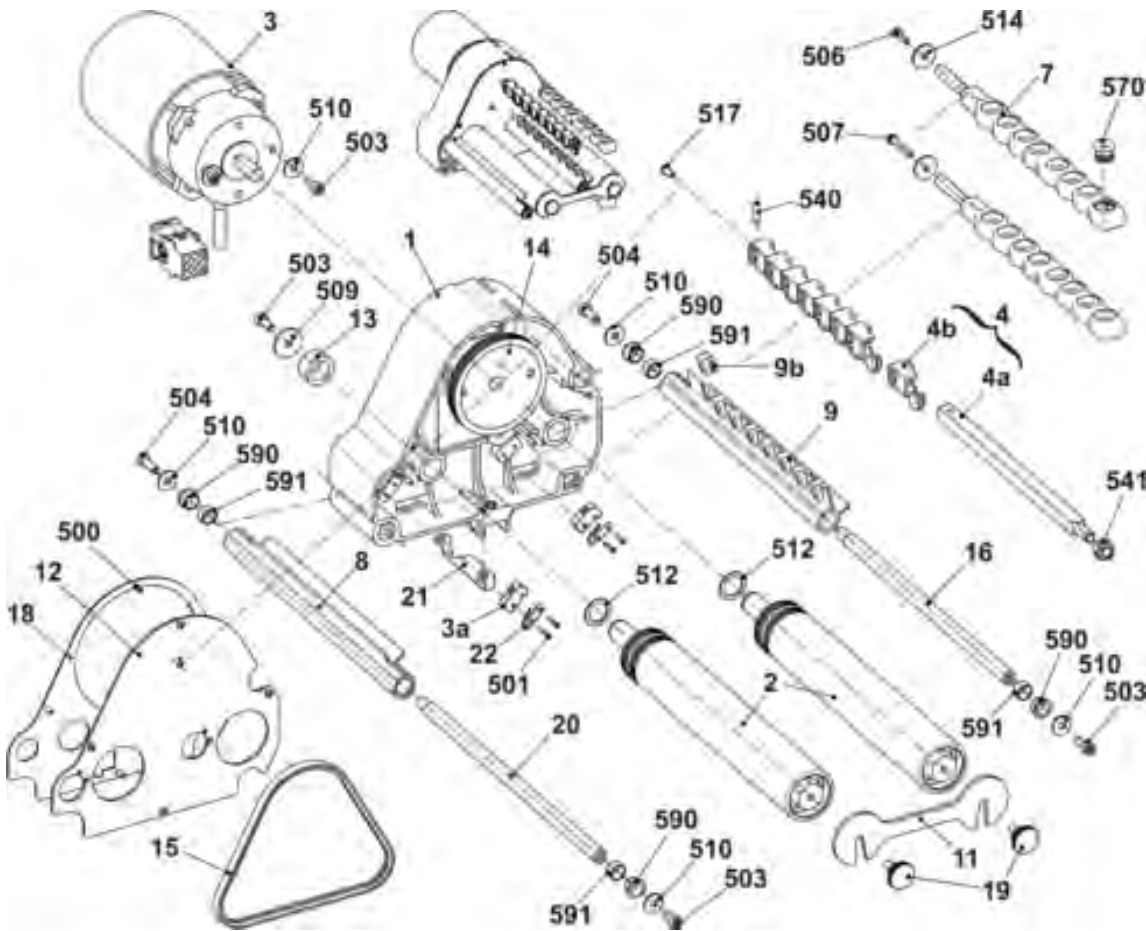
Pos	Designation	ID		Pos	Designation	ID
ΣL	Friction feed wheel on the left complete ⁹³³	243 767		ΣR	Friction feed wheel on the right complete ⁹³³	243 768
1	Friction feed wheel on the left	243 571		1	Friction feed wheel on the right	243 572
2	Support	223 030		2	Support	223 030
3	Clamp	228 583		3	Clamp	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 nut M8	022 843		503	Hexagon nut M8	022 843



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

16.10.1 Left friction feed wheel

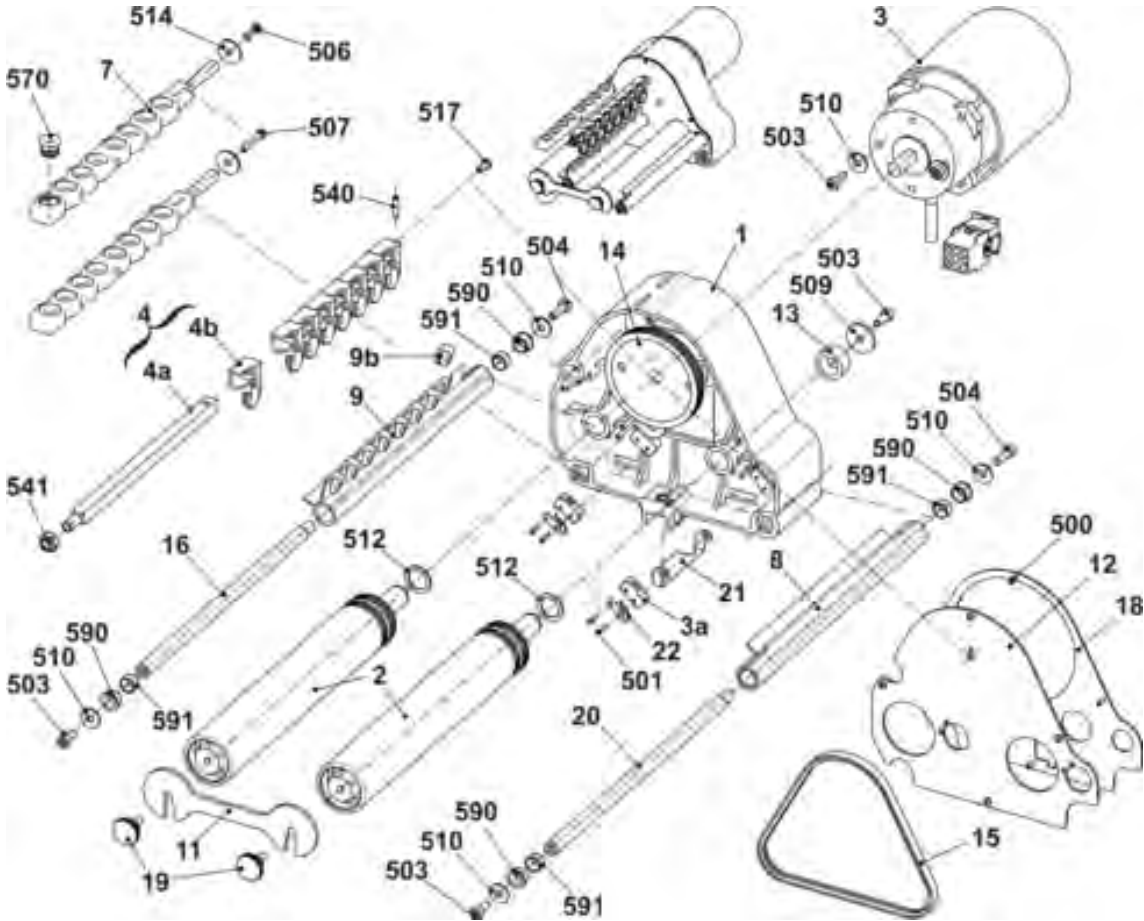
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the left complete		243 571	14	V-ribbed belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase AC motor complete		219 800	18	Cover		230 758
	3a	Microswitch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



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

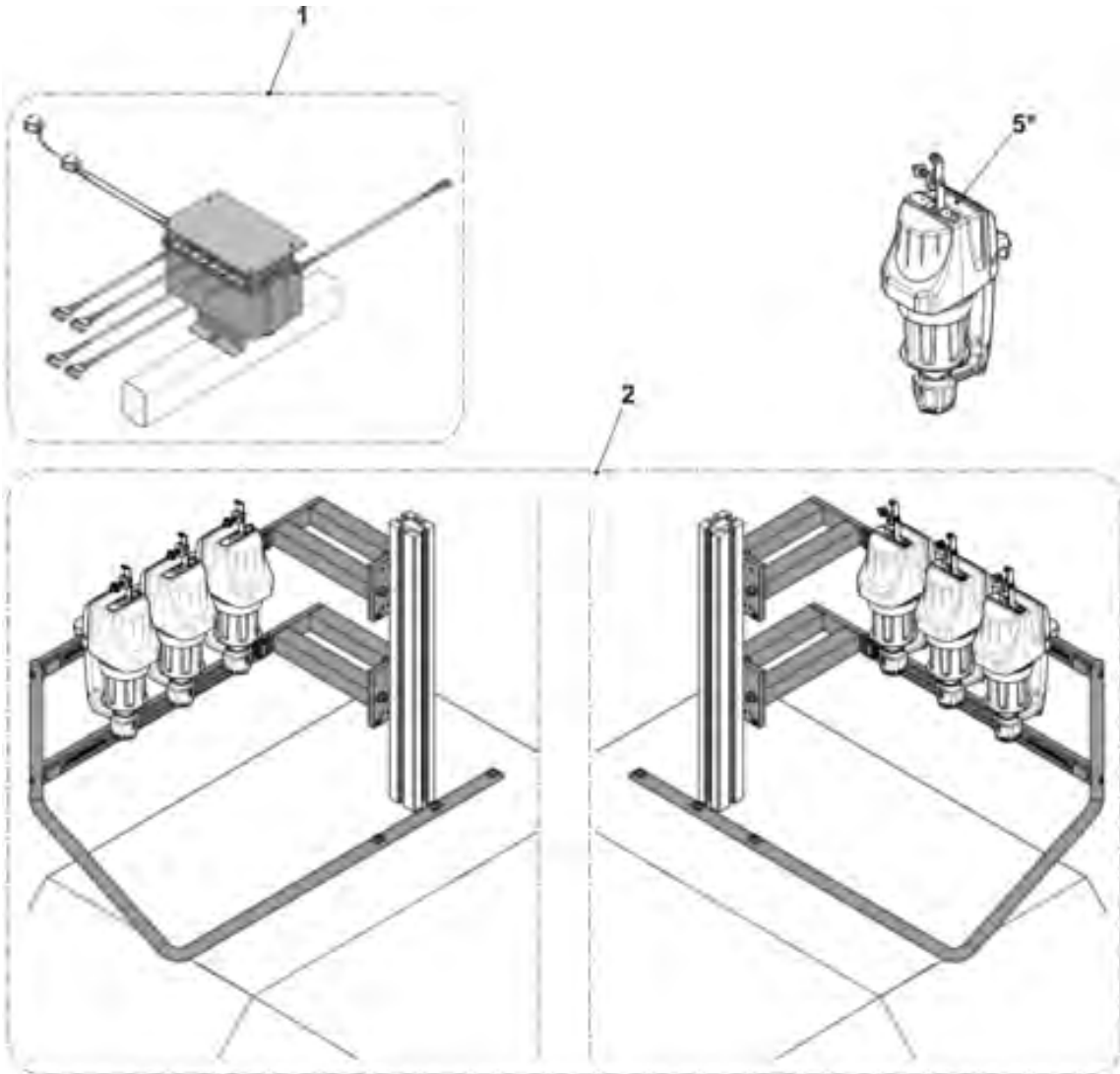
16.10.2 Right friction feed wheel

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					



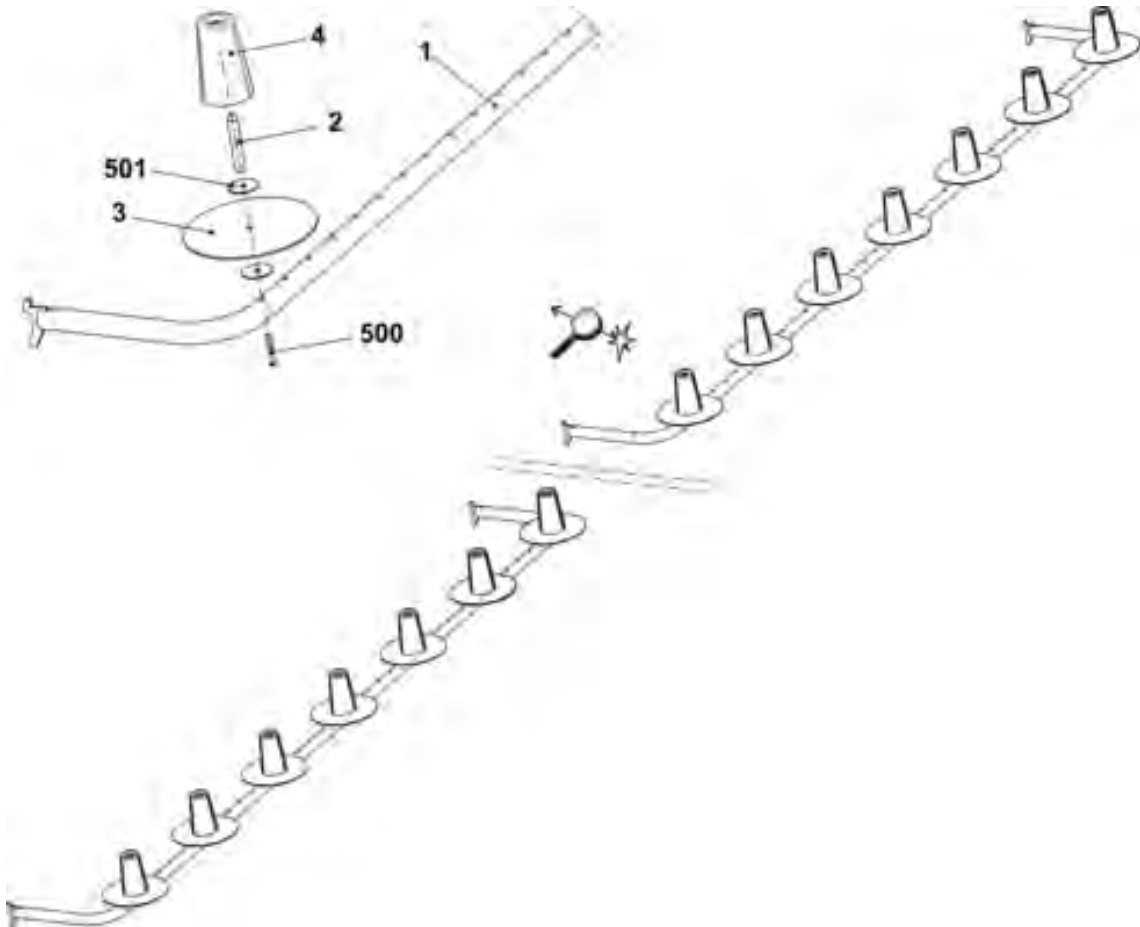
16.11 Storage feed wheel MSF 2

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	



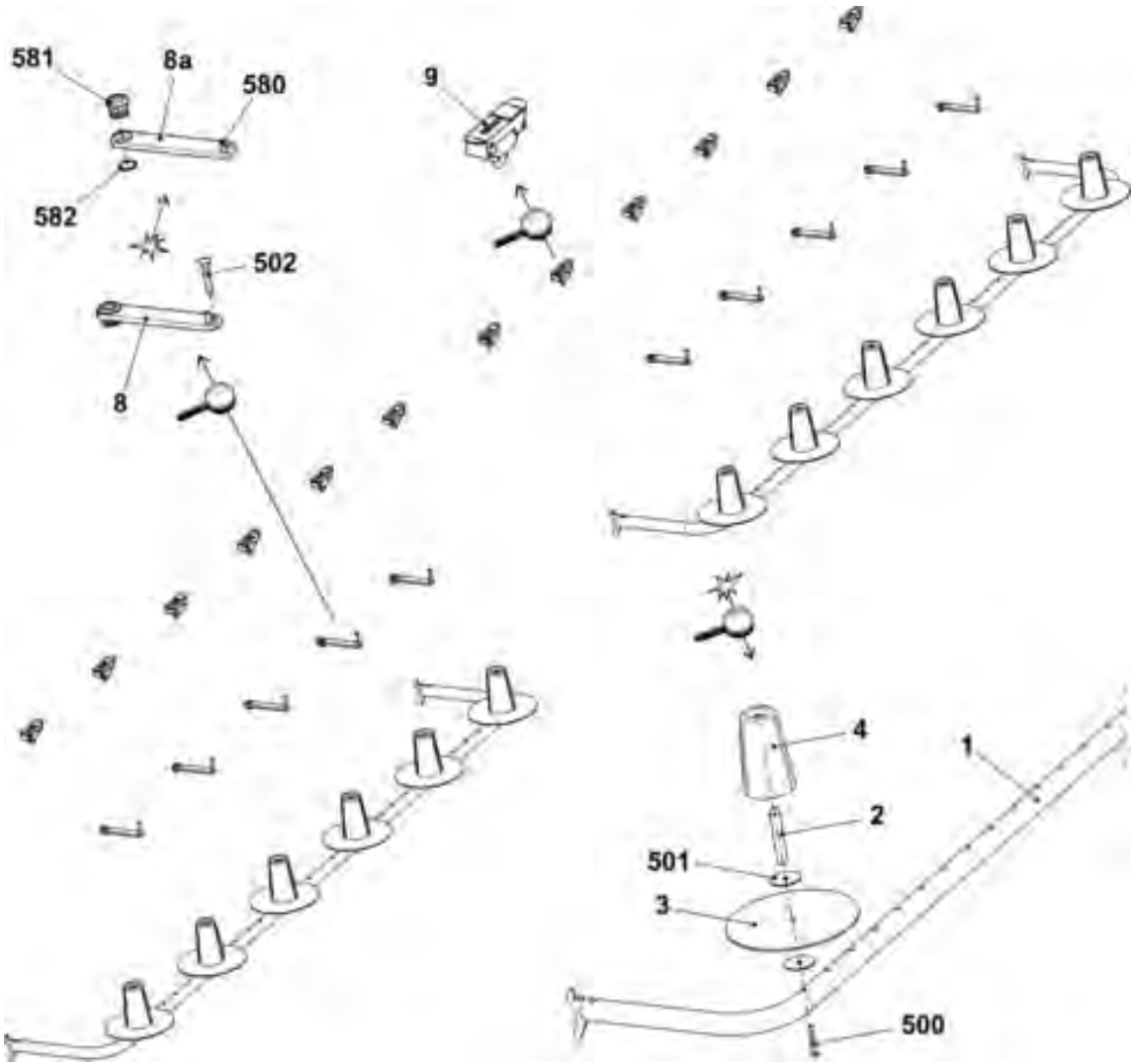
16.12 Additional bobbin board

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



16.13 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			Yarn guide bracket complete		241 581
				9			

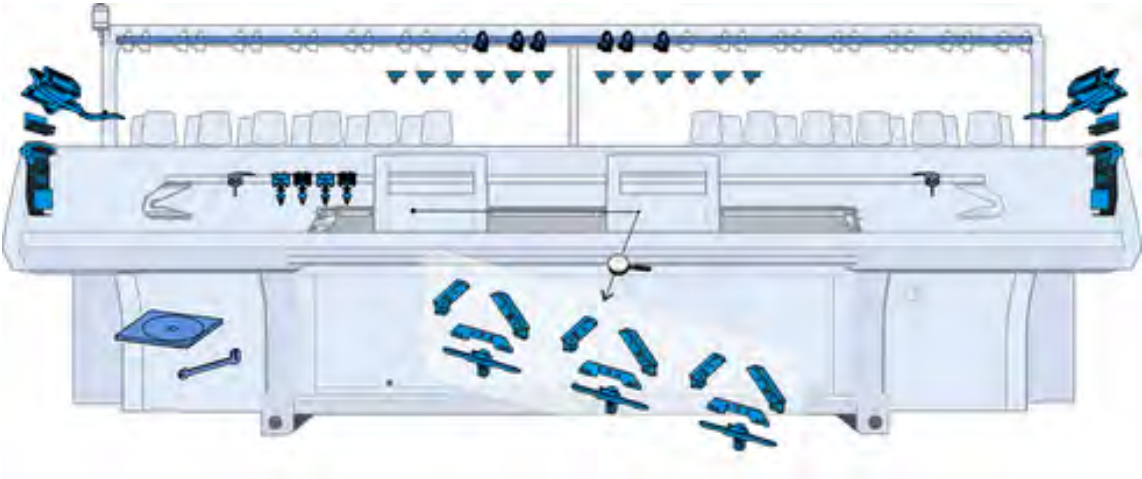


16.13 Additional board at the bottom

Notes:

17 Conversion kit with 24 and 32 IFF

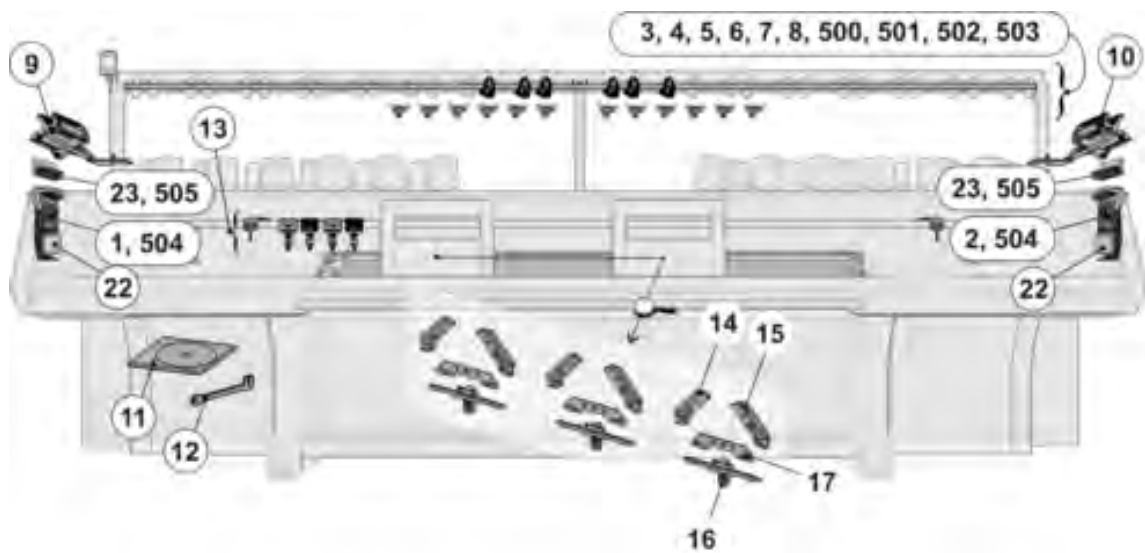
	Designation	ID
24 IFF	Conversion kit 24 IFF E10-14 E7.2	257 622
	Conversion kit 24 IFF E16-18	257 624
	Conversion kit 24 IFF E6.2	257 623
	Conversion kit 24 IFF E8.2	257 625
32 IFF	Conversion kit 32 IFF E10-14 E7.2	257 584
	Conversion kit 32 IFF E16-18	257 587
	Conversion kit 32 IFF E6.2	257 585
	Conversion kit 32 IFF E8.2	257 588



17.1 Overview of conversion kit 24 IFF E10|E12|E14|E16|E7.2|E7.2|E8.2

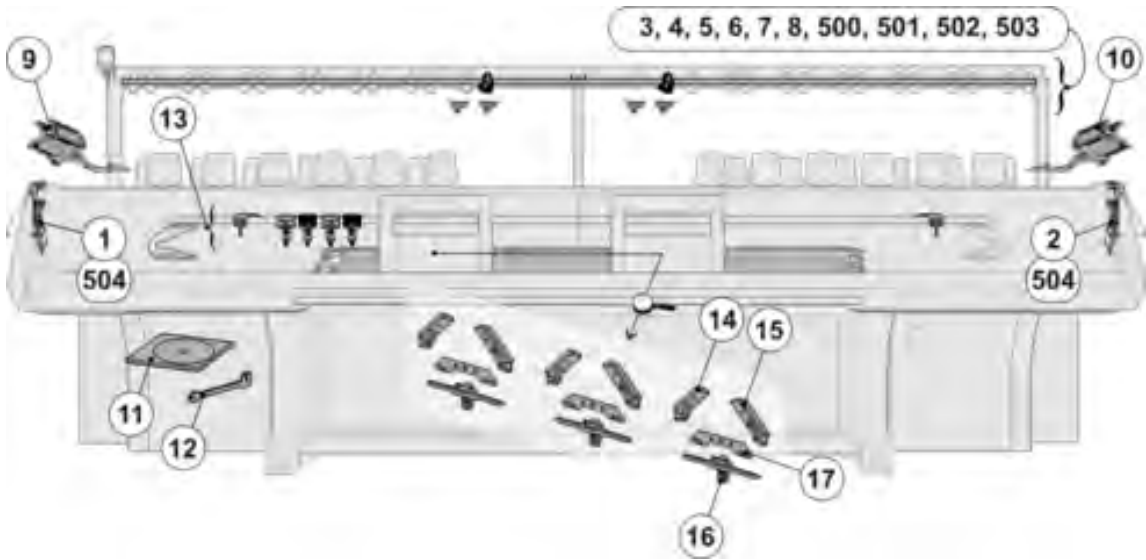
17.1 Overview of conversion kit 24 IFF
E10|E12|E14|E16|E7.2|E7.2|E8.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Conversion kit 24 IFF			13	Yarn guide complete E10-14 IFF (E8.2) 24	256 936
	E10-14 E7.2	257 622		13	Yarn guide complete E16-18 IFF 24	256 937
	E16	257 624		14	Stitch cam on the left short tuck E10-14+7.2	255 428
	E8.2	257 625			Stitch cam on the left short tuck E16-18+8.2	255 547
1	Yarn tensioner on the left complete E10-18	258 461		15	Stitch cam on the right short tuck E10-14+7.2	255 429
2	Yarn tensioner on the right complete E10-18	258 463			Stitch cam on the right short tuck E16-18+8.2	255 548
3	Yarn guide bar96"-933	242 431		16	Pressure part short tuck	255 430
4	Support on the left	243 609		17	Raising cam plate	256 491
5	Support on the right	243 610		22	Cover plate 16-fold	259 400
6	Support	243 766		23	Stopping device 16-fold complete	259 455
7	Yarn control unit	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
12	Adjusting part for yarn carrier bow	250 119		505	Pan-head screw M5x10	023 247



17.2 Overview of conversion kit 24 IFF E6.2

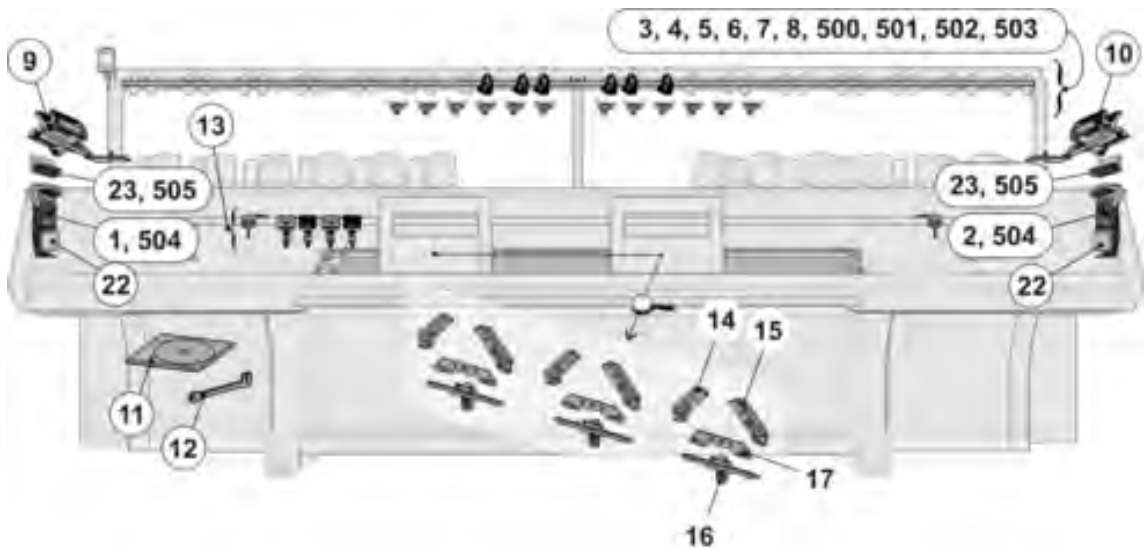
Pos	Designation	ID	Pos	Designation	ID
Σ	Conversion kit 24 IFF E6.2	257 623			
1	Yarn tensioner on the left complete E7-8	244 499	12	Adjusting part for yarn carrier bow	250 119
2	Yarn tensioner on the right complete E7-8	244 502	13	Yarn guide complete E7-8 IFF 24	256 935
3	Yarn guide bar96"-933	242 431	14	Stitch cam on the left short tuck E6.2	255 551
4	Support on the left	243 609	15	Stitch cam on the right short tuck E6.2	255 552
5	Support on the right	243 610	16	Pressure part short tuck	255 430
6	Support	243 766	17	Raising cam plate	256 491
7	Yarn control unit	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 complete933	254 900	502	Square nut M8	023 269
10	Friction feed wheel 16 fold on the right complete933	254 901	503	Pan-head screw M8x16	023 113
11	DVD instructions conversion kit IFF	245 169	504	Screw KB60x20	237 682



17.3 Overview of conversion kit 32 IFF E10|E12|E14|E16|E7.2|E8.2

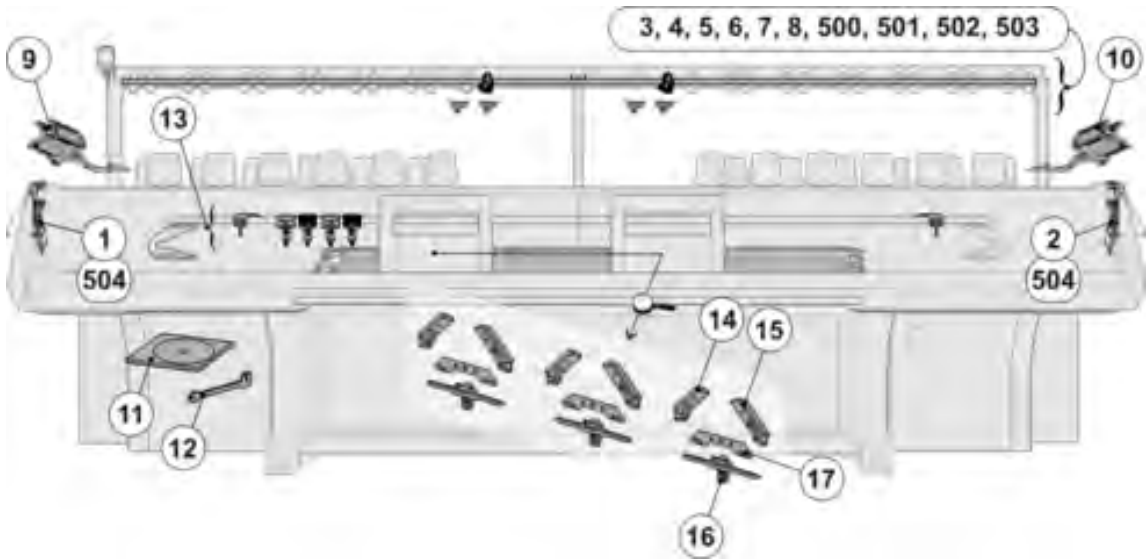
17.3 Overview of conversion kit 32 IFF
E10|E12|E14|E16|E7.2|E8.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Conversion kit 32 IFF			13	Yarn guide complete E10-14 IFF (E8.2)	245 163
	E10-14 E7.2	257 584		13	Yarn guide complete E16-18 IFF	245 164
	E16	257 585		14	Stitch cam on the left short tuck E10-14+7.2	255 428
	E8.2	257 588			Stitch cam on the left short tuck E16-18+8.2	255 547
1	Yarn tensioner on the left complete E10-18	258 461		15	Stitch cam on the right short tuck E10-14+7.2	255 429
2	Yarn tensioner on the right complete E10-18	258 463			Stitch cam on the right short tuck E16-18+8.2	255 548
3	Yarn guide bar96"-933	242 431		16	Pressure part short tuck	255 430
4	Support on the left	243 609		17	Raising cam plate	256 491
5	Support on the right	243 610		22	Cover plate 16-fold	259 400
6	Support	243 766		23	Stopping device 16-fold complete	259 455
7	Yarn control unit	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
12	Adjusting part for yarn carrier bow	250 119		505	Pan-head screw M5x10	023 247



17.4 Overview of conversion kit 32 IFF E6.2

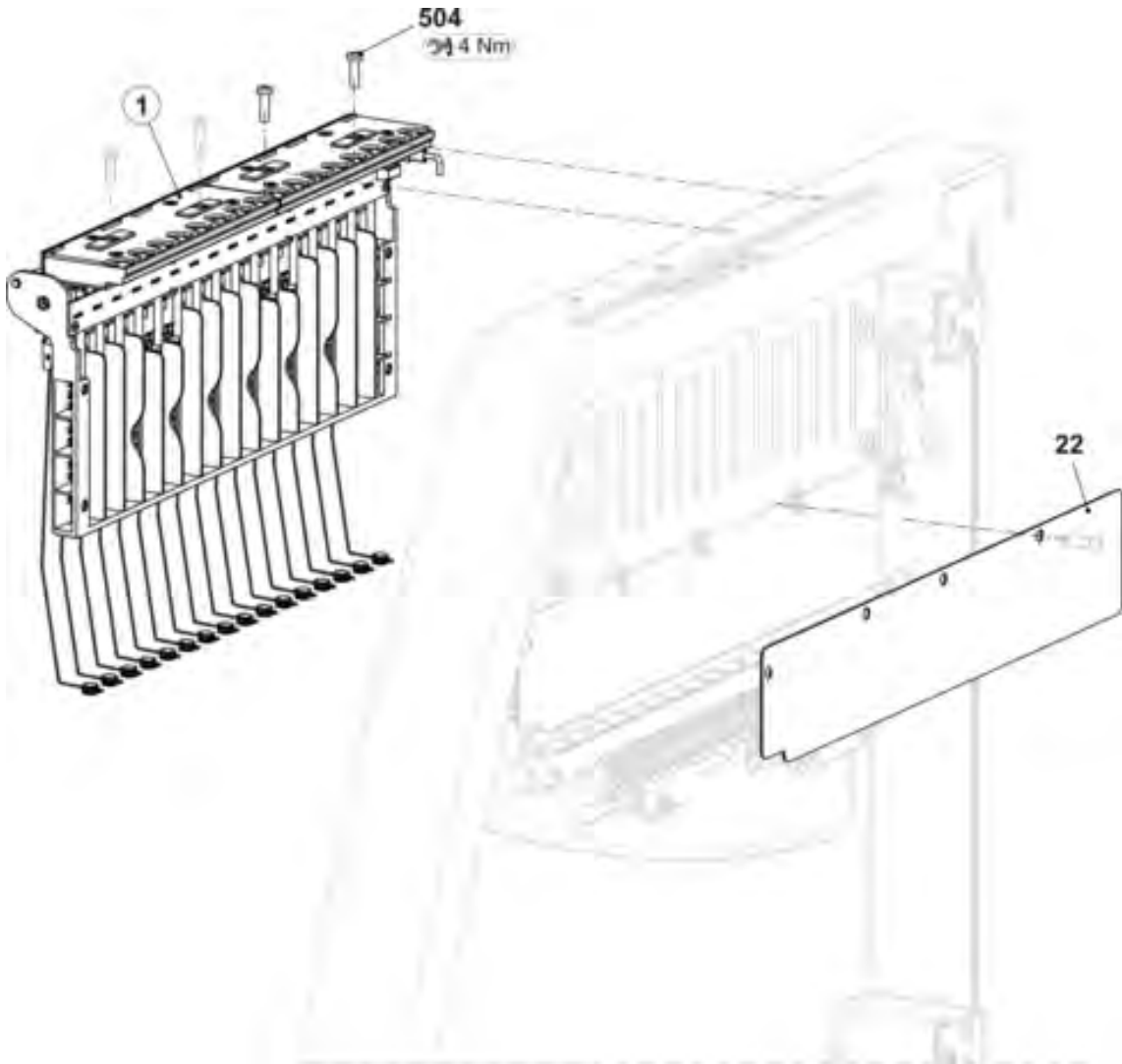
Pos	Designation	ID		Pos	Designation	ID
Σ	Conversion kit 32 IFF E6.2	257 585				
1	Yarn tensioner on the left complete E7-8	244 499		12	Adjusting part for yarn carrier bow	250 119
2	Yarn tensioner on the right complete E7-8	244 502		13	Yarn guide complete E7-8 IFF	245 162
3	Yarn guide bar96"-933	242 431		14	Stitch cam on the left short tuck E6.2	255 551
4	Support on the left	243 609		15	Stitch cam on the right short tuck E6.2	255 552
5	Support on the right	243 610		16	Pressure part short tuck	255 430
6	Support	243 766		17	Raising cam plate	256 491
7	Yarn control unit	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



17.5 Parts for the safety door on the left E10|E12|E14|E16|E7.2|E8.2

17.5 Parts for the safety door on the left
E10|E12|E14|E16|E7.2|E8.2

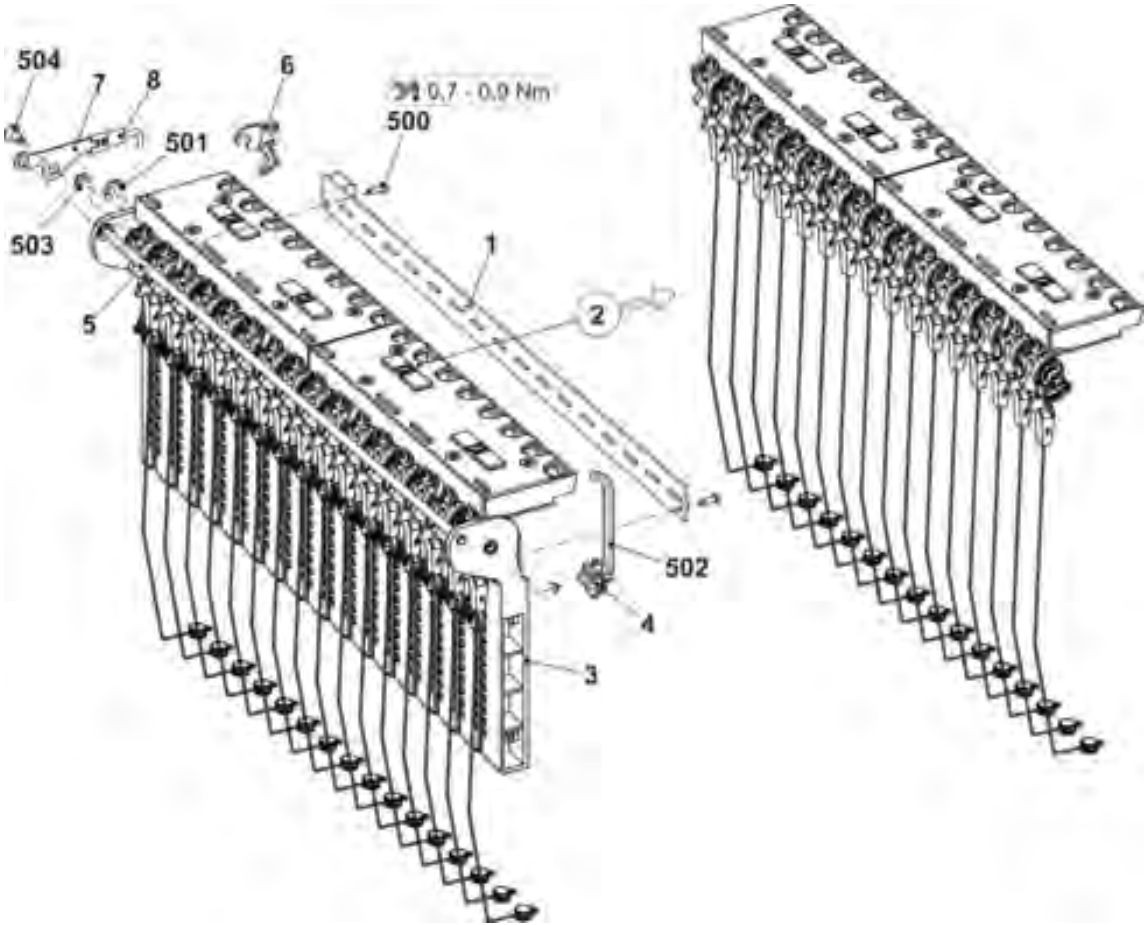
Pos	Designation	ID		Pos	Designation	ID
1	Yarn tensioner on the left complete E10-18	258 461				
22	Cover plate 16-fold	259 400		504	Screw KB60x20	237 682



17.5 Parts for the safety door on the left E10 | E12 | E14 | E16 | E7.2 | E8.2

17.5.1 Yarn tensioner on the left E10 | E12 | E14 | E16 | E7.2 | E8.2

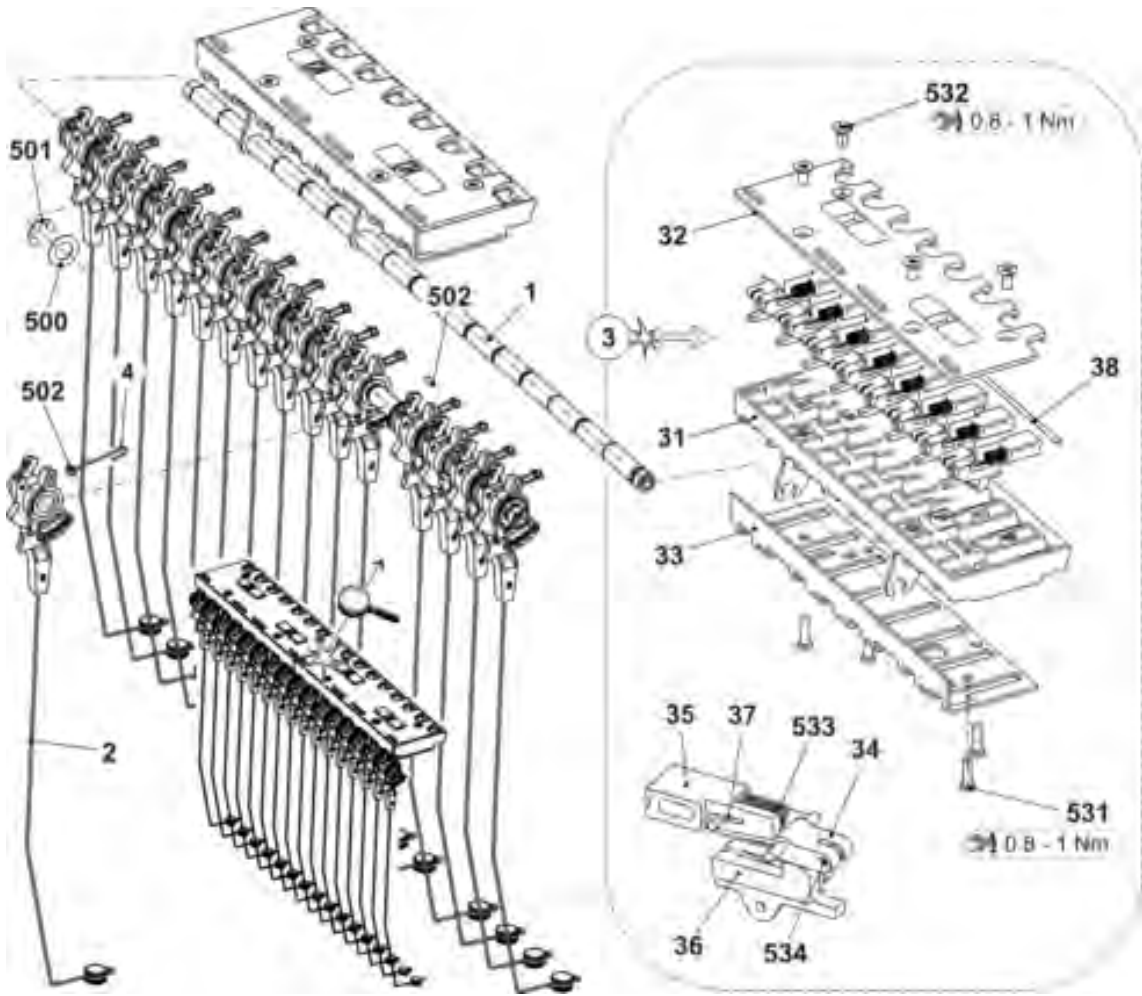
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the left complete E10-18	258 461		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the left	241 345		8	Ground cable yarn tensioner okc	243 105
2	Tension axle completeE10-18	258 460		500	Screw KB30x8	236 228
3	Housing	241 367		501	Circlip	021 022
4	Slider	241 694		502	Tension spring 4,9x0,45x53	023 504
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x10	241 914



17.5 Parts for the safety door on the left E10|E12|E14|E16|E7.2|E8.2

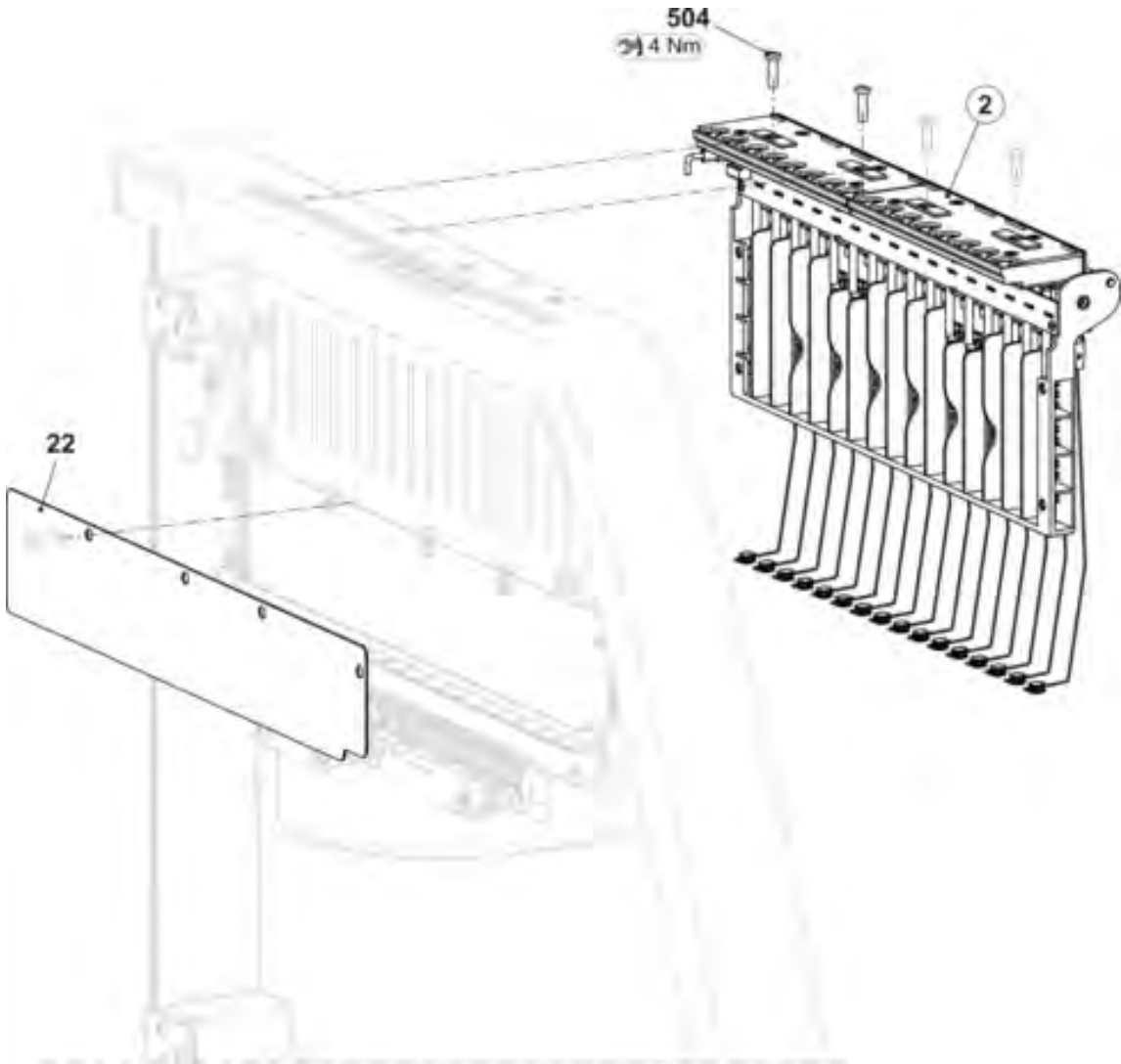
17.5.2 Tension axle E10|E12|E14|E16|E7.2|E8.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle completeE10-18	258 460		3	Thread clamp AKF	238 695
1	Axle	244 522		31	HousingAKF	238 689
2	Tension arm pre-assembledE10-18	258 459		32	Cover AKF	237 926
4	Wire bow	238 694		33	Sheet metal at the bottom (housing AKF)	240 719
500	Shim ring 8x14x0,5	023 501		34	Lever AKF	238 692
501	Circlip	021 022		35	Pressure piece AKF	238 690
502	Grooved pin 2x6	243 172		36	SliderAKF	238 691
				37	Wire bow	238 694
				38	Wire	237 940
				531	Screw KB 35x12	237 681
				532	Screw KB 40x8	236 227
				533	Compression spring 0,30x4,50x18,50	241 437
				534	Grooved pin 2x6	243 172



17.6 Parts for the right safety door
E10 | E12 | E14 | E16 | E7.2 | E8.2

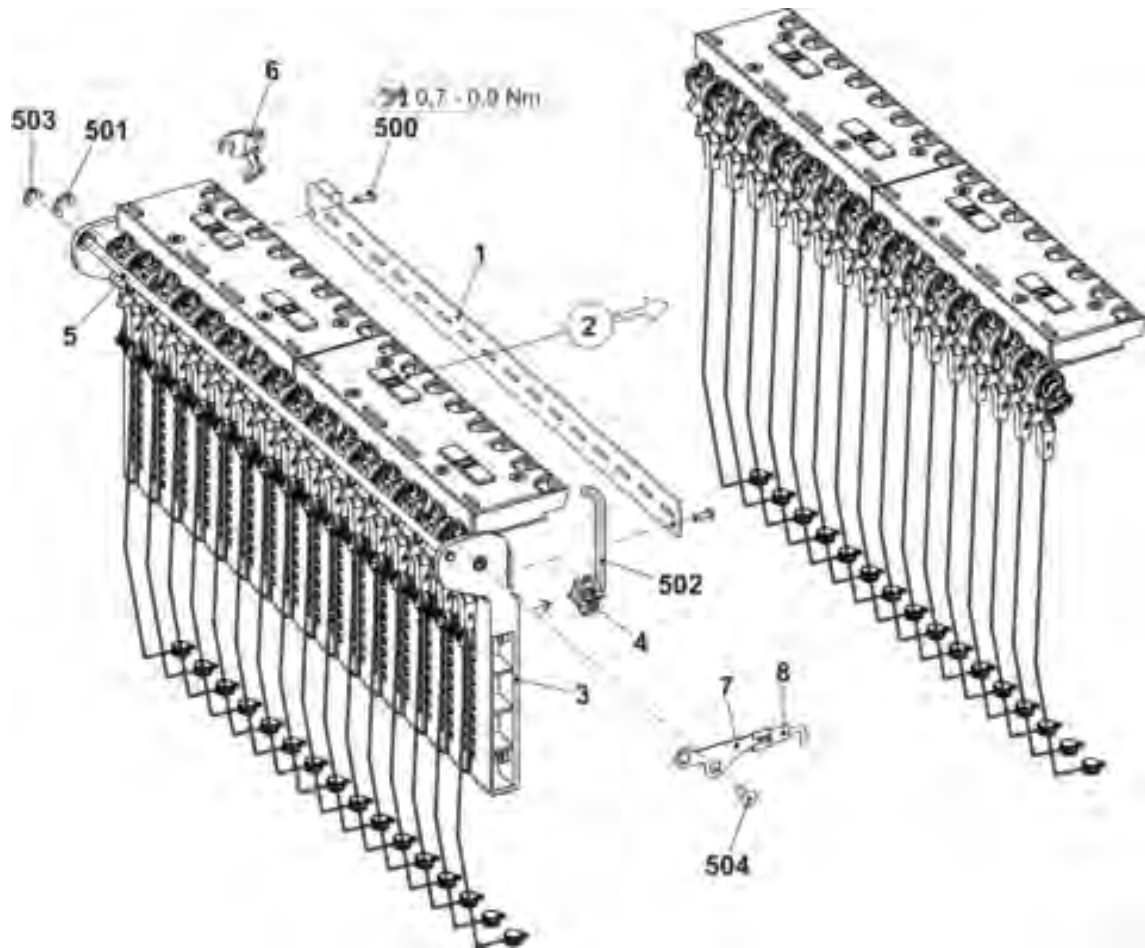
Pos	Designation	ID		Pos	Designation	ID
2	Yarn tensioner on the right complete E10-18	258 463				
22	Cover plate 16-fold	259 400		504	Screw KB60x20	237 682



17.6 Parts for the right safety door E10|E12|E14|E16|E7.2|E8.2

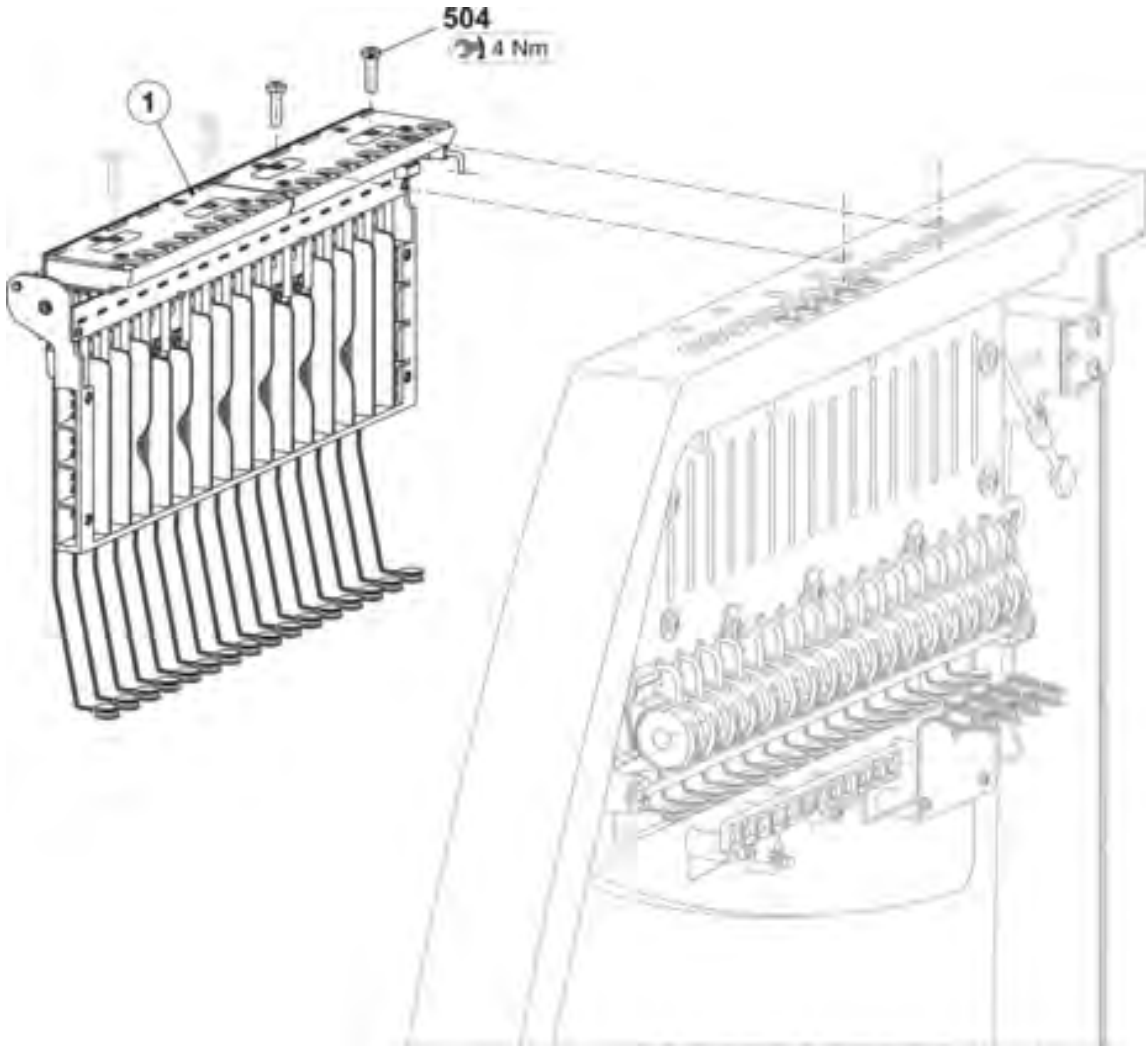
17.6.1 Yarn tensioner on the right E10|E12|E14|E16|E7.2|E8.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the left complete E10-18	258 463		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the right	241 346		8	Ground cable yarn tensioner okc	243 105
2	Tension axle completeE10-18	258 460		500	Screw KB30x8	236 228
3	Housing	241 367		501	Circlip	021 022
4	Slider	241 694		502	Tension spring 4,9x0,45x53	023 504
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x10	241 914



17.7 Parts for the safety door on the left E6.2

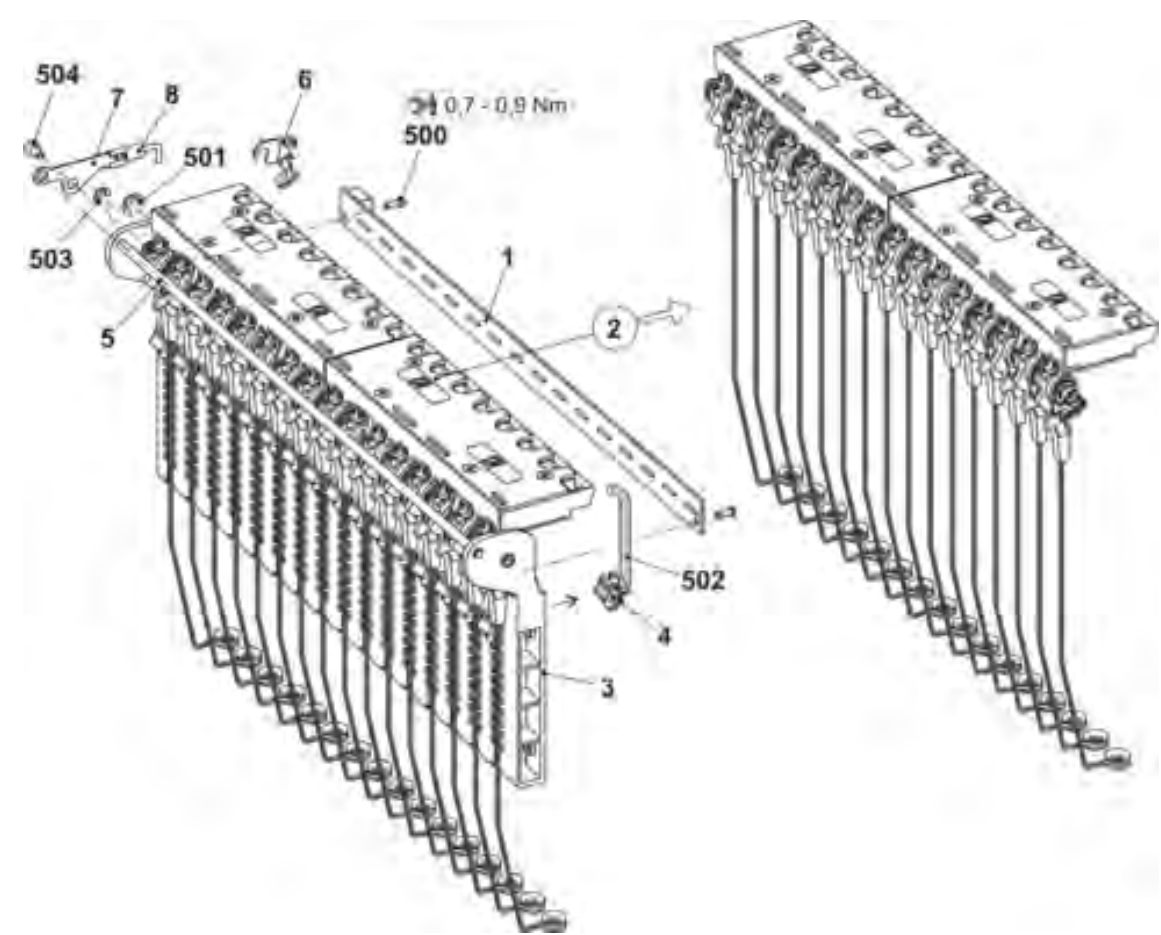
Pos	Designation	ID		Pos	Designation	ID
1	Yarn tensioner on the left complete E7-8	244 499		508	Screw KB60x20	237 682



17.7 Parts for the safety door on the left E6.2

17.7.1 Yarn tensioner on the left E6.2

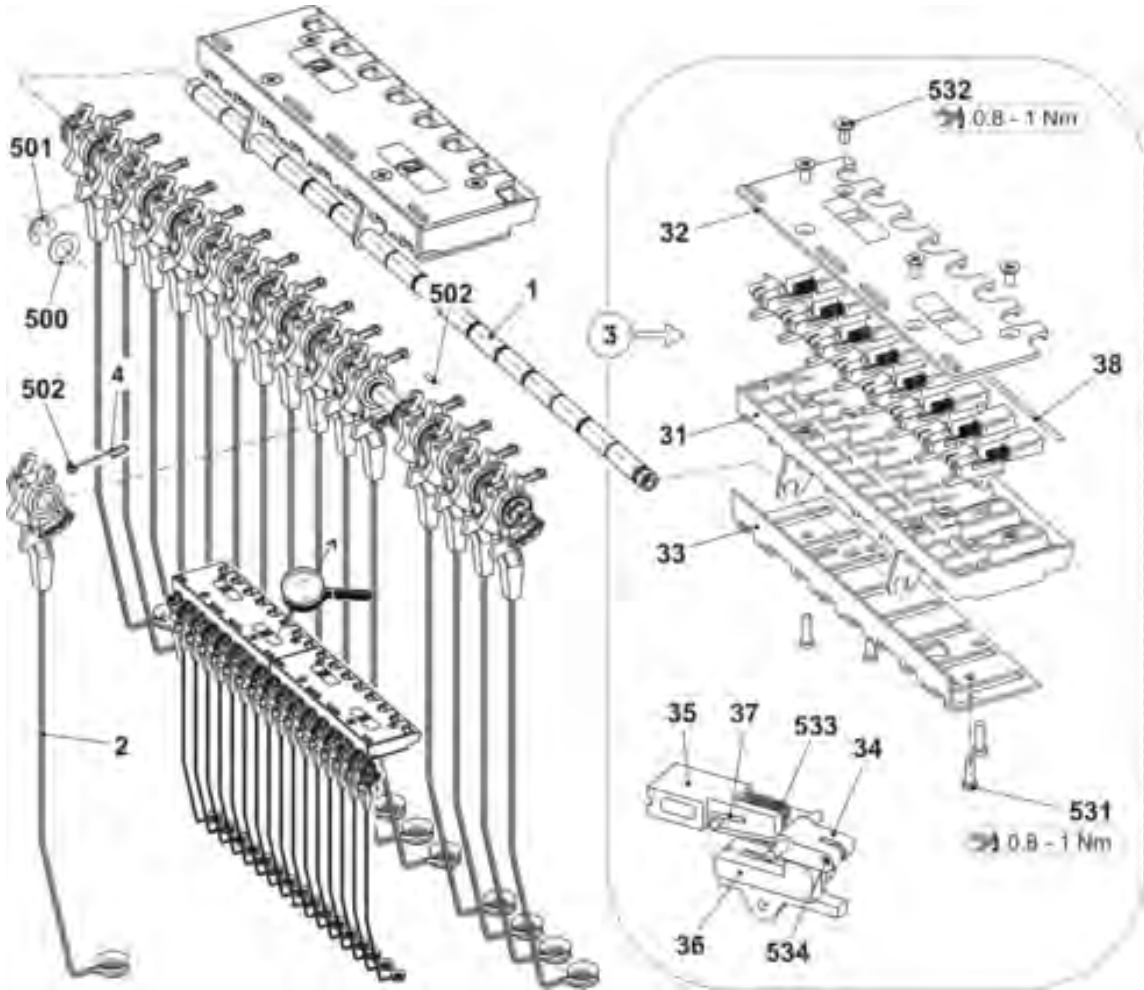
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the left complete E7-8	244 499		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the left	241 345		8	Ground cable yarn tensioner okc	243 105
2	Tension axle completeE3-8 (E6.2)	244 494		500	Screw KB30x8	236 228
3	Housing	241 367		501	Circlip	021 022
4	Slider	241 694		502	Tension spring 4,9x0,5x53 (E6.2)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x10	241 914



17.7 Parts for the safety door on the left E6.2

17.7.1.1 Tension axle E6.2

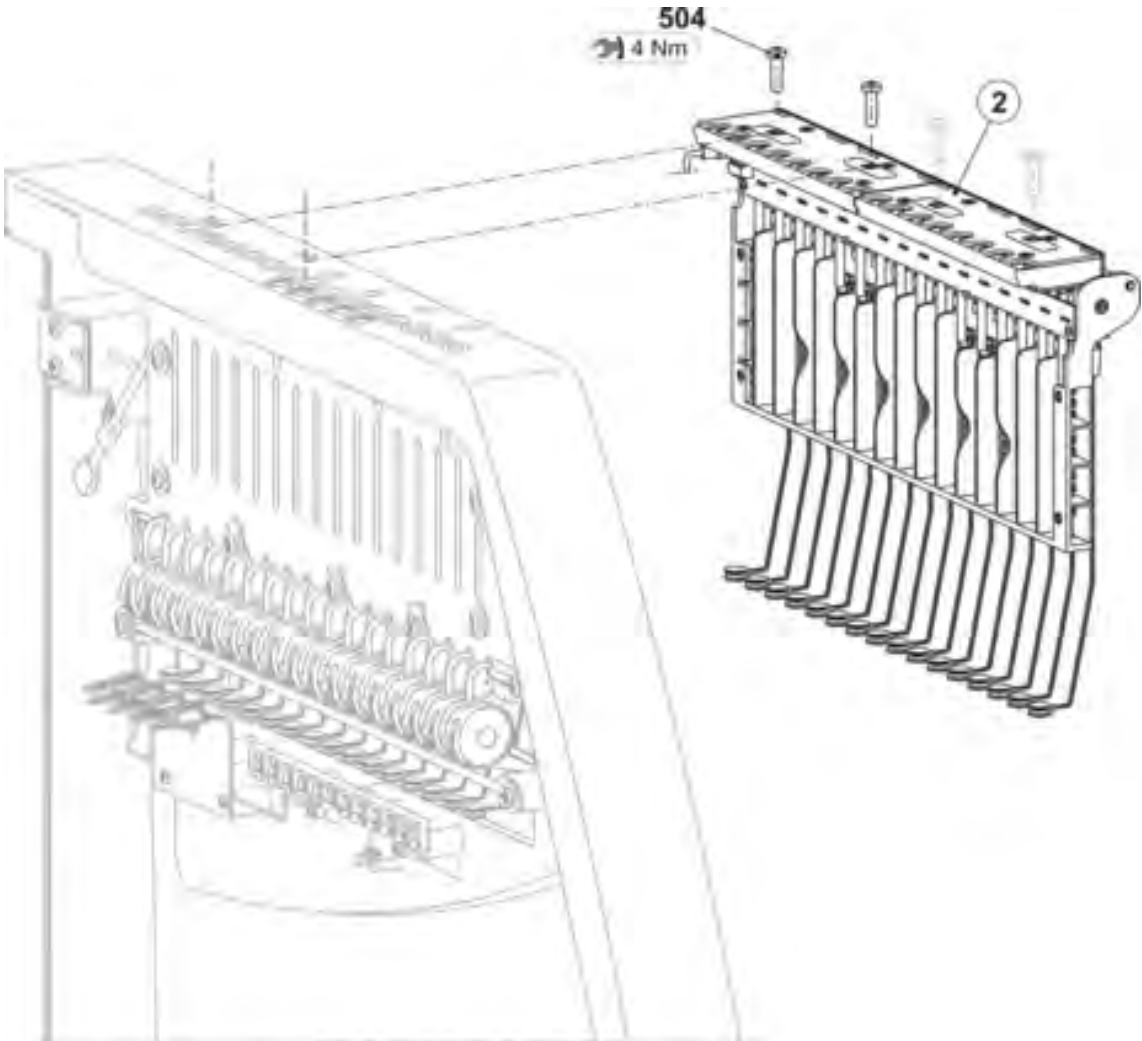
Pos	Designation	Id	Pos	Designation	Id
Σ	Tension axle completeE3-8 (E6.2)	244 494	3	Thread clamp AKF	238 695
1	Axle	244 522	31	HousingAKF	238 689
2	Tension arm pre-assembledE3-8	259 448	32	Cover AKF	237 926
4	Wire bow	238 694	33	Sheet metal at the bottom (housing AKF)	240 719
500	Shim ring 8x14x0,5	023 501	34	Lever AKF	238 692
501	Circlip	021 022	35	Pressure piece AKF	238 690
502	Grooved pin 2x6	243 172	36	SliderAKF	238 691
			37	Wire bow	238 694
			38	Wire	237 940
			531	Screw KB 35x12	237 681
			532	Screw KB 40x8	236 227
			533	Compression spring0,30x4,50x18,50	241 437
			534	Grooved pin 2x6	243 172



17.8 Parts for the right safety door E6.2

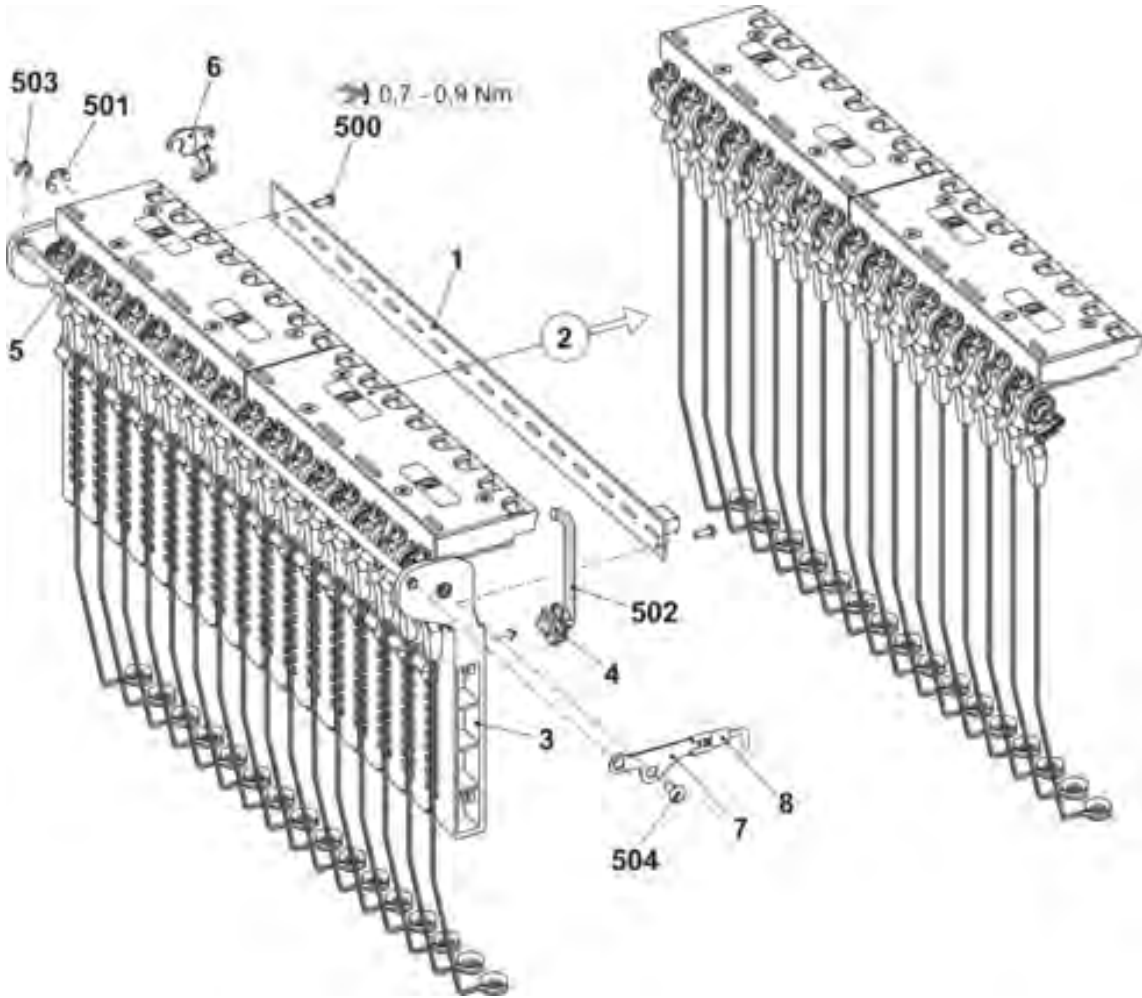
17.8 Parts for the right safety door E6.2

Pos	Designation	ID		Pos	Designation	ID
2	Yarn tensioner on the right complete E7-8	244 502		504	Screw KB60x20	237 682



17.8.1 Yarn tensioner on the right E6.2

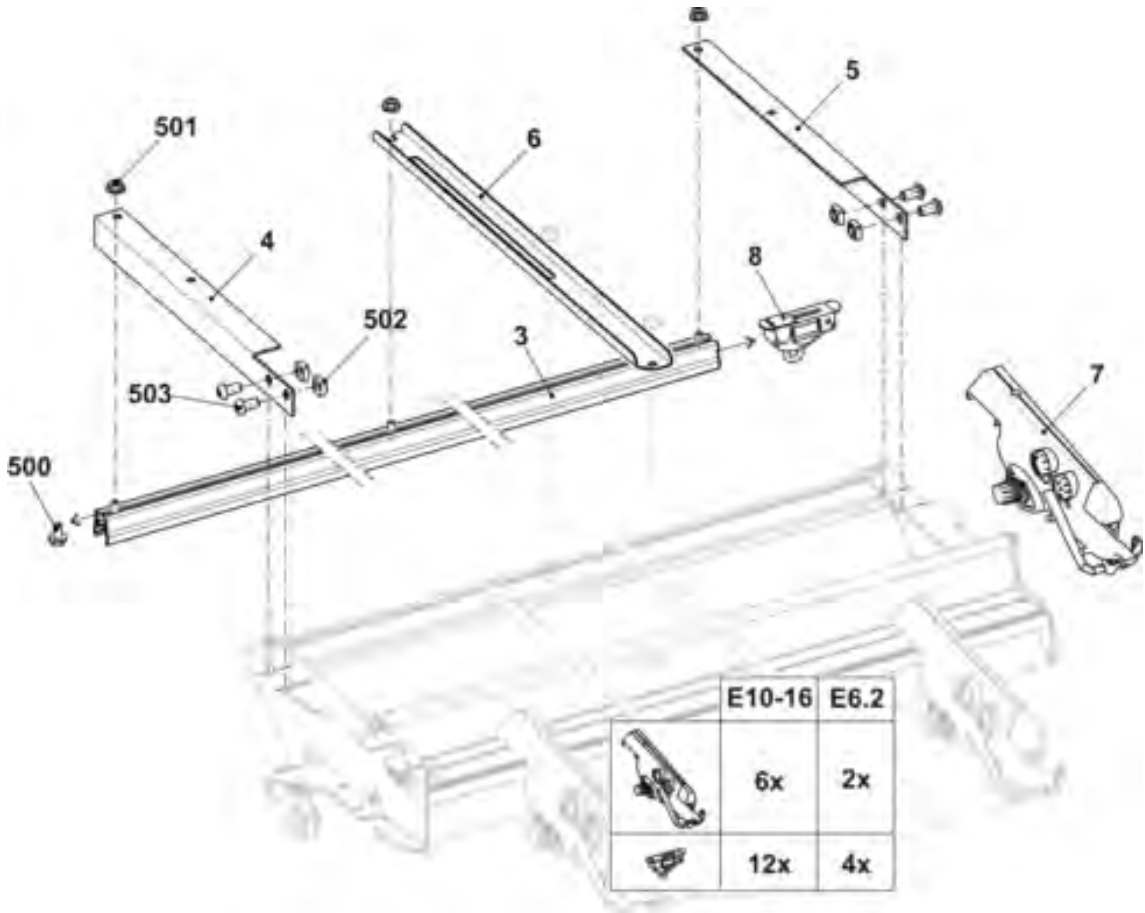
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the right complete E7-8	244 502		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the right	241 346		8	Ground cable yarn tensioner okc	243 105
2	Tension axle completeE3-8 (E6.2)	244 494		500	Screw KB30x8	236 228
3	Housing	241 367		501	Circlip	021 022
4	Slider	241 694		502	Tension spring 4,9x0,5x53 (E6.2)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x10	241 914



17.9 Parts for the yarn guide system

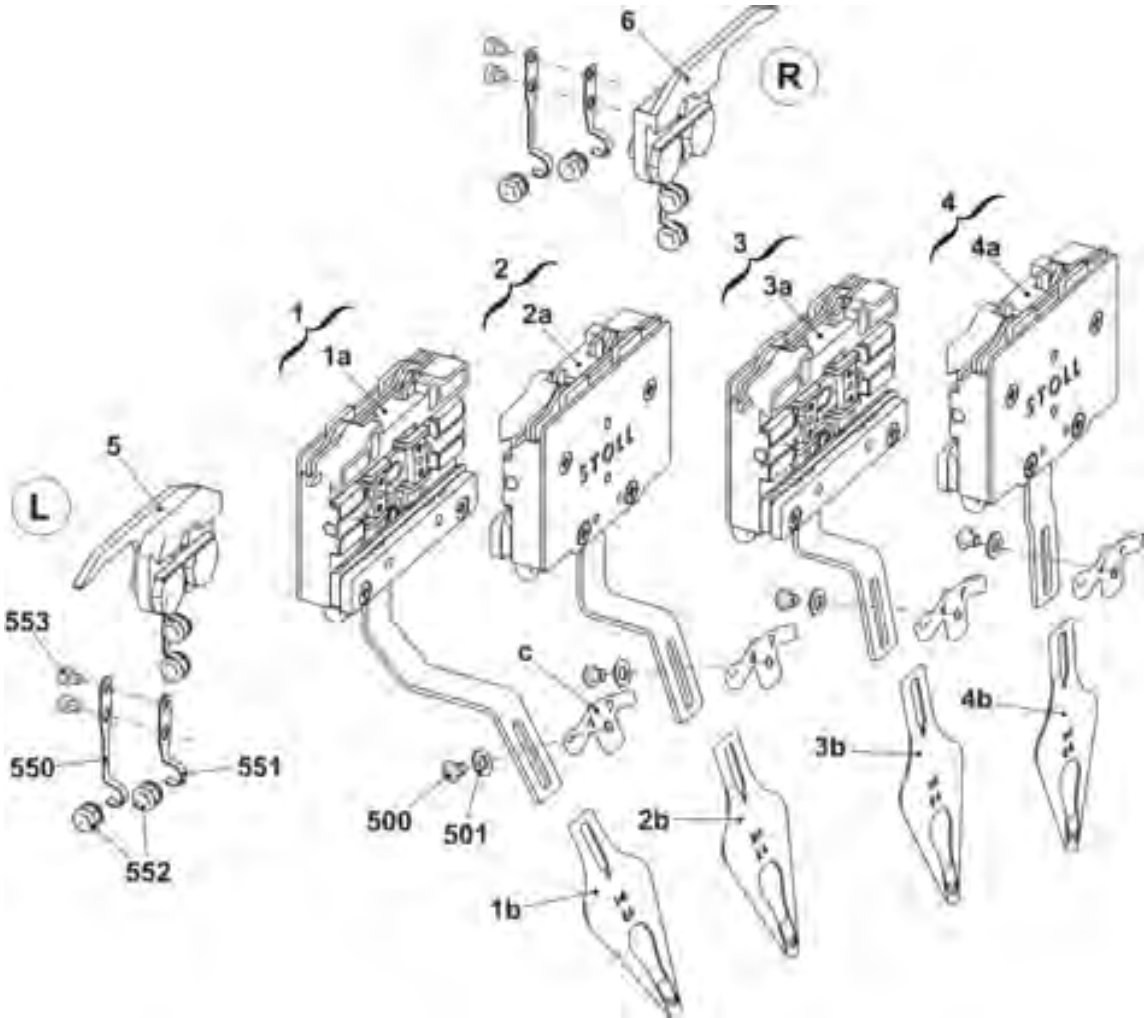
17.9 Parts for the yarn guide system

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide device				
3	Yarn guide bar96" - 933	242 431	8	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 unit	237 124	503	Pan-head screw M8x16	023 113



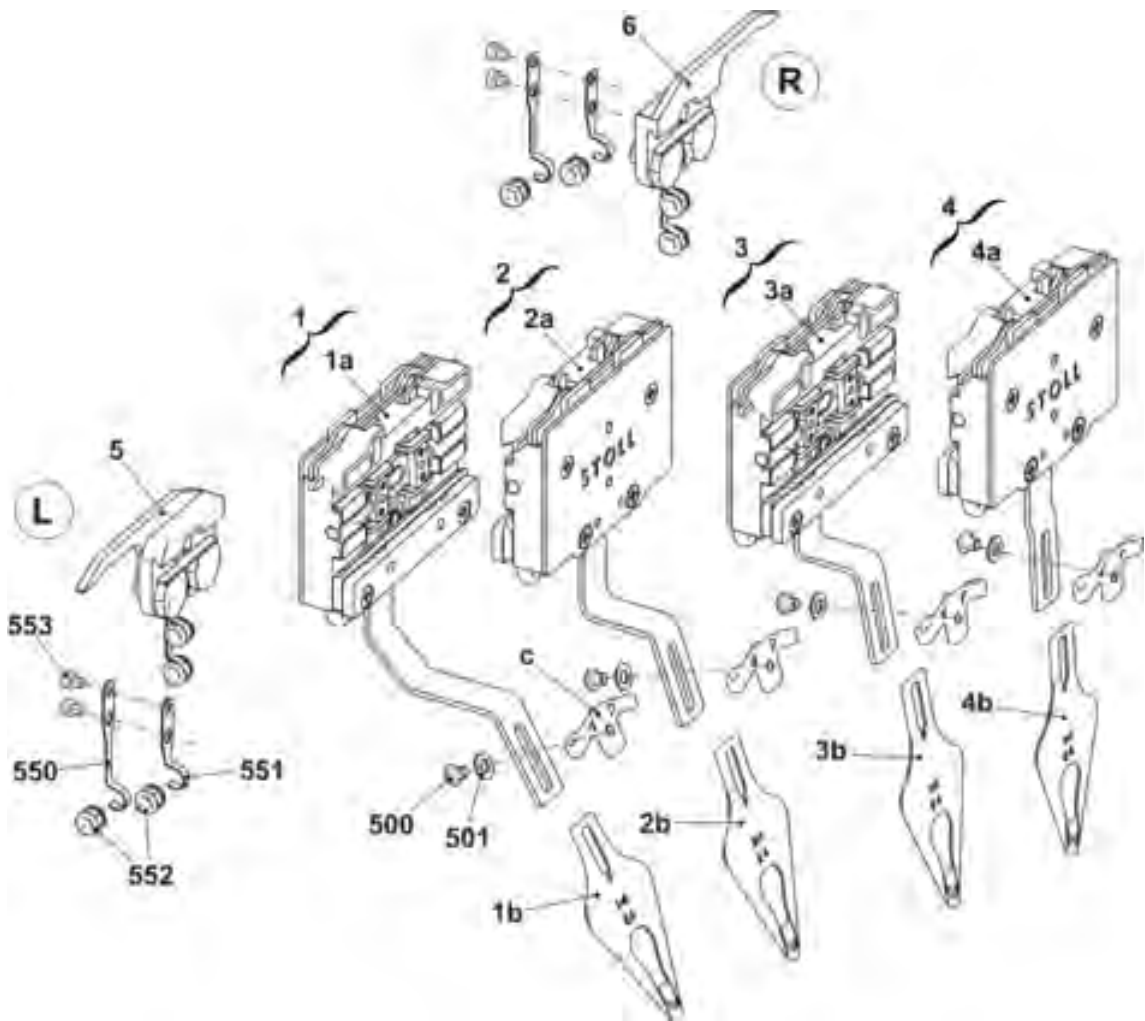
17.10 Yarn guide complete (24 IFF)
E10|E12|E14|E7.2|E8.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn guide complete E10-14 IFF 24	256 936				
1	IFFCarriage complete1+8 E10-14	259 740		5	Limiter on the left with two eyelets	244 446
	1a IFFCarriage1+8	259 728			550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E10-14	260 612			551 Eyelet holder complete	022 323
2	IFFCarriage complete2+7 E10-14	259 741			552 Eyelet 4,2	021 499
	2a IFFCarriage2+7	259 729			553 Cap screw M3,5x4	020 011
	2b Yarn carrier head 2+7 complete E10-14	260 614		6	Limiter on the right with two eyelets	244 445
3	IFFCarriage complete3+6 E10-14	259 742		c	Yarn guide angle	242 863
	3a IFFCarriage3+6	259 730		500	Pan-head screw M4x5	239 549
	3b Yarn carrier head 3-6 complete E10-14	260 610		501	Washer4	020 870
4	IFFCarriage complete4+5 E10-14	259 743				
	4a IFFCarriage4+5	259 731				
	4b Yarn carrier head 3-6 complete E10-14	260 610				



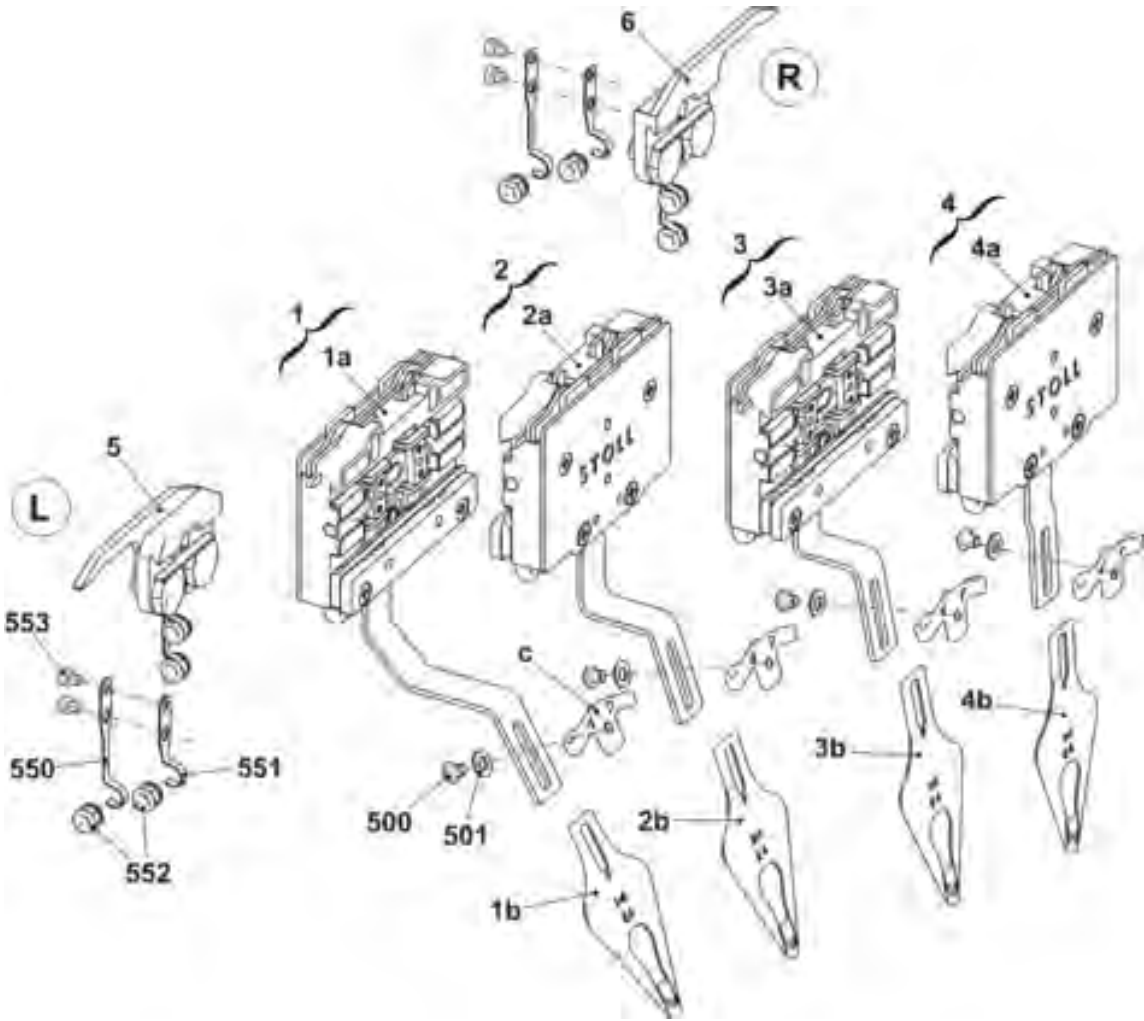
17.11 Yarn guide complete (24 IFF) E16

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E16-18 IFF 24	256 937			
1	IFFCarriage complete1+8 E16-18	259 744	5	Limiter on the left with two eyelets	244 446
	1a IFFCarriage1+8	259 728		550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E16-18	261 516		551 Eyelet holder complete	022 323
2	IFFCarriage complete2+7 E16-18	259 745		552 Eyelet 4,2	021 499
	2a IFFCarriage2+7	259 729		553 Cap screw M3,5x4	020 011
	2b Yarn carrier head 2+7 complete E16-18	261 517	6	Limiter on the right with two eyelets	244 445
3	IFFCarriage complete3+6 E16-18	259 746	c	Yarn guide angle	242 863
	3a IFFCarriage3+6	259 730	500	Pan-head screw M4x5	239 549
	3b Yarn carrier head 3-6 complete E16-18	261 518	501	Washer4	020 870
4	IFFCarriage complete4+5 E16-18	259 747			
	4a IFFCarriage4+5	259 731			
	4b Yarn carrier head 3-6 complete E16-18	261 518			



17.12 Yarn guide complete (24 IFF) E6.2

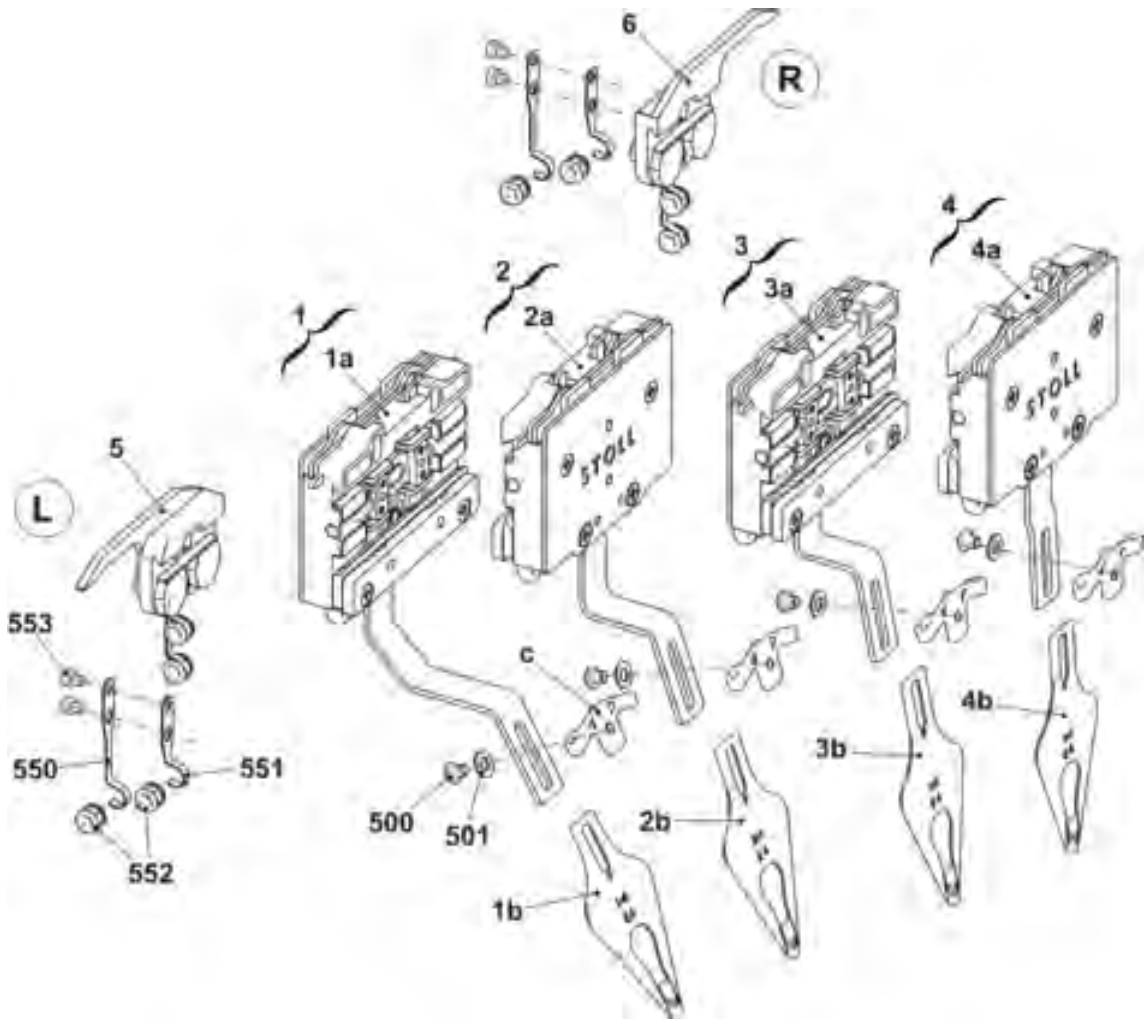
Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E7-8 IFF 24	256 935			
1	IFFCarriage complete1+8 E7-8	259 736	5	Limiter on the left with two eyelets	244 446
	1a IFFCarriage1+8	259 728		550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E7-8	244 082		551 Eyelet holder complete	022 323
2	IFFCarriage complete2+7 E7-8	259 737		552 Eyelet 4,2	021 499
	2a IFFCarriage2+7	259 729		553 Cap screw M3,5x4	020 011
	2b Yarn carrier head 2+7 complete E7-8	244 083	6	Limiter on the right with two eyelets	244 445
3	IFFCarriage complete3+6 E7-8	259 738	c	Yarn guide angle	242 863
	3a IFFCarriage3+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	IFFCarriage complete4+5 E7-8	259 739			
	4a IFFCarriage4+5	259 731			
	4b Yarn carrier head 3-6 complete E7-8	244 084			



17.13 Yarn guide complete (32 IFF) E10|E12|E14|E7.2|E8.2

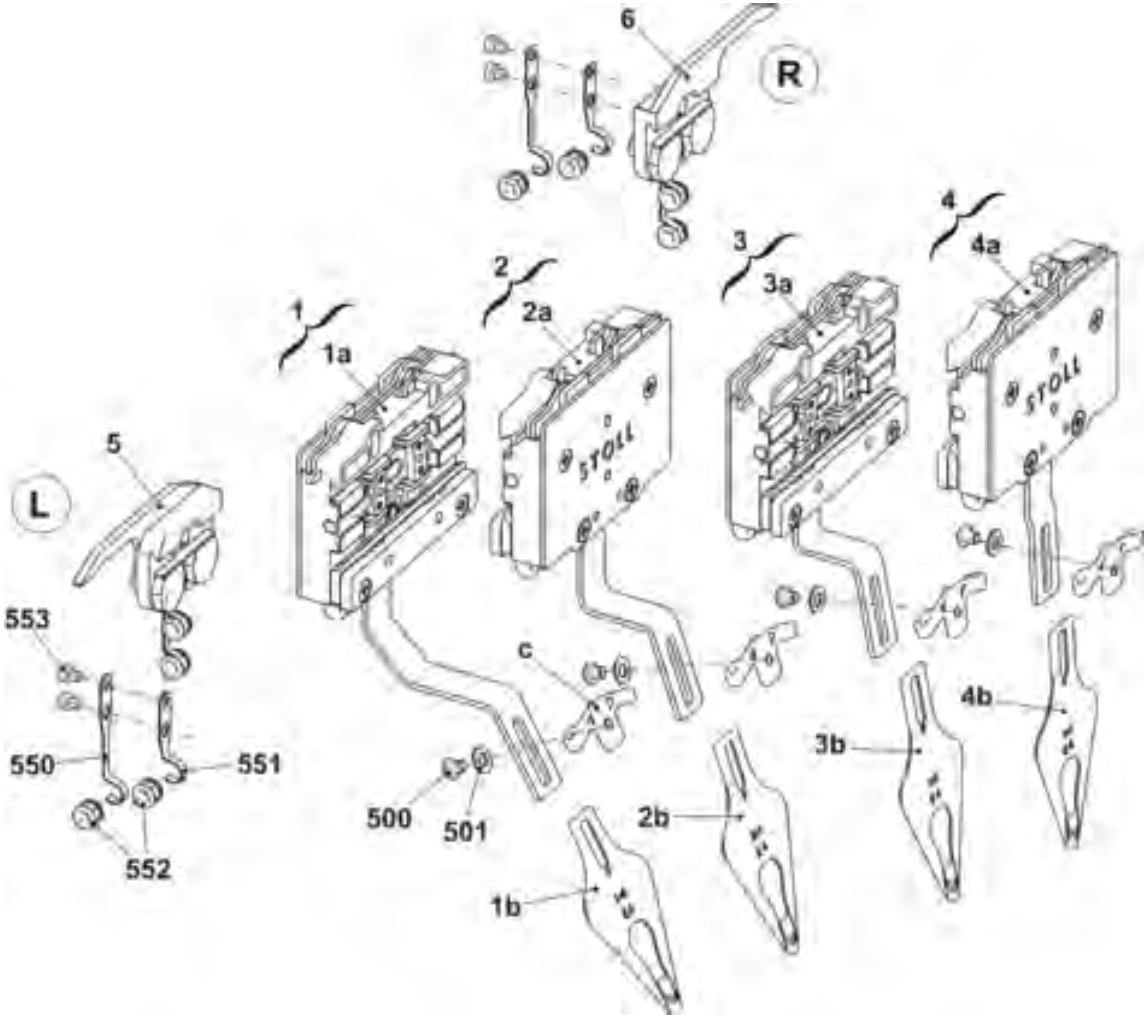
17.13 Yarn guide complete (32 IFF)
E10|E12|E14|E7.2|E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete IFF E10-14	245 163			
1	IFFCarriage complete1+8 E10-14	259 740	5	Limiter on the left with two eyelets	244 446
	1a IFFCarriage1+8	259 728		550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E10-14	260 612		551 Eyelet holder complete	022 323
2	IFFCarriage complete2+7 E10-14	259 741		552 Eyelet 4,2	021 499
	2a IFFCarriage2+7	259 729		553 Cap screw M3,5x4	020 011
	2b Yarn carrier head 2+7 complete E10-14	260 614	6	Limiter on the right with two eyelets	244 445
3	IFFCarriage complete3+6 E10-14	259 742	c	Yarn guide angle	242 863
	3a IFFCarriage3+6	259 730	500	Pan-head screw M4x5	239 549
	3b Yarn carrier head 3-6 complete E10-14	260 610	501	Washer4	020 870
4	IFFCarriage complete4+5 E10-14	259 743			
	4a IFFCarriageE10-14	259 731			
	4b Yarn carrier head 3-6 complete E10-14	260 610			



17.14 Yarn guide complete (32 IFF) E16

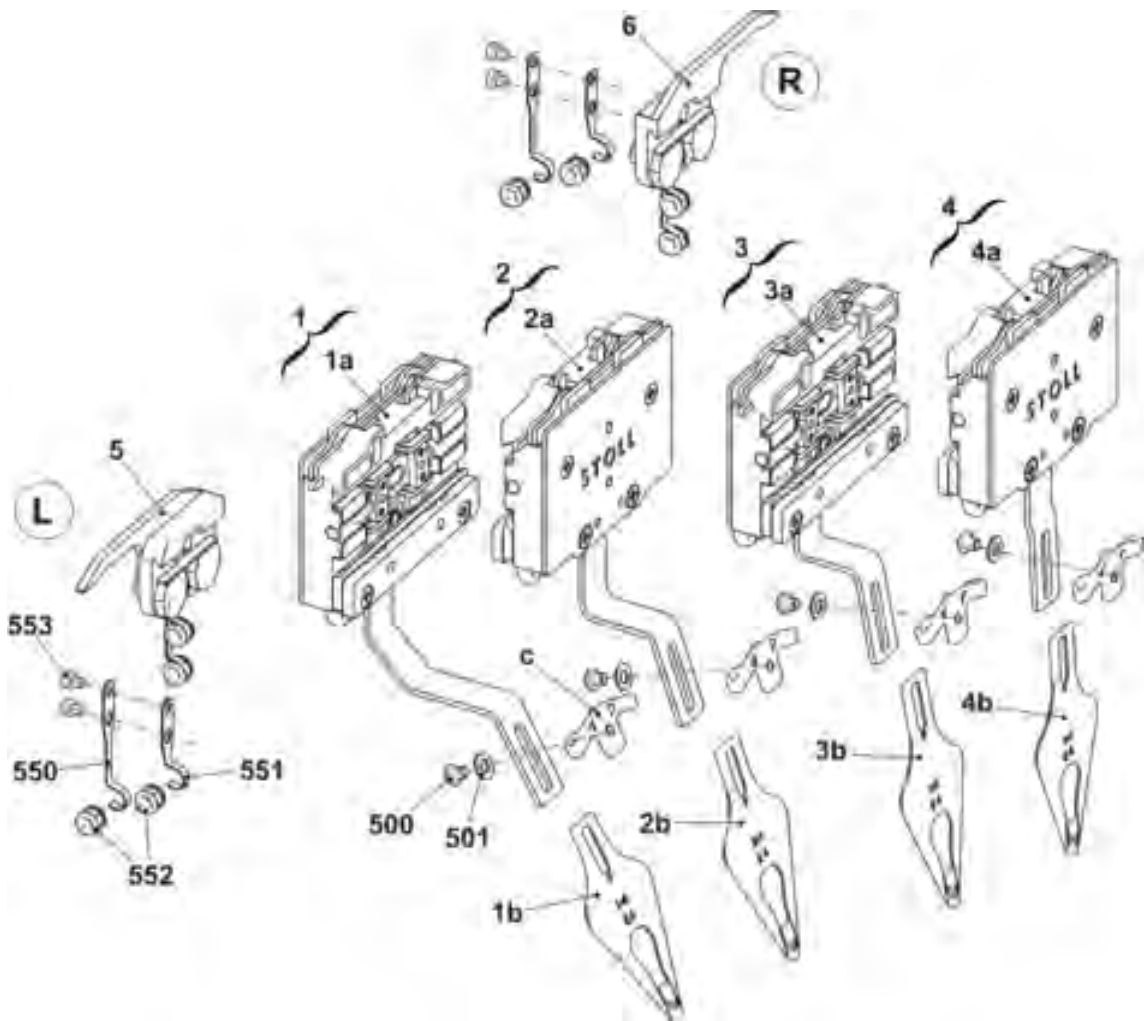
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn guide complete E16-18 IFF	245 164				
1	IFFCarriage complete1+8 E16-18	259 744		5	Limiter on the left with two eyelets	244 446
	1a IFF carriage 1+8	259 728			550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E16-18	261 516			551 Eyelet holder complete	022 323
2	IFFCarriage complete2+7 E16-18	259 745			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 E16-18	261 517		6	Limiter on the right with two eyelets	244 445
3	IFFCarriage complete3+6 E16-18	259 746		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 E16-18	261 518		501	Washer4	020 870
4	IFFCarriage complete4+5 E16-18	259 747				
	4a IFF carriage 4+5	259 731				
	4b Yarn carrier head 3-6 complete E16-18	261 518				



17.15 Yarn guide complete (32 IFF) E6.2

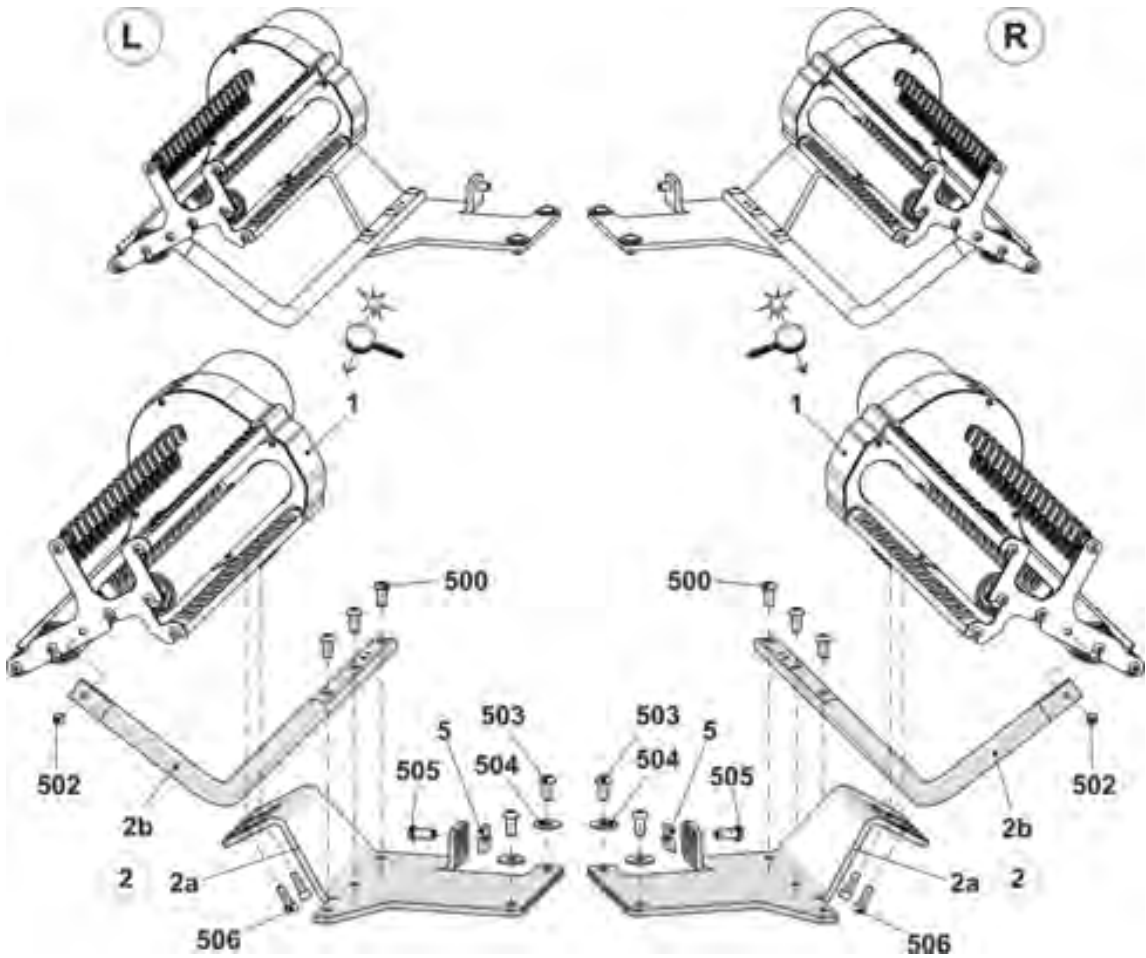
17.15 Yarn guide complete (32 IFF) E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide complete E7-8 IFF	245 162			
1	IFFCarriage complete1+8 E7-8	259 736	5	Limiter on the left with two eyelets	244 446
	1a IFFCarriage1+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	IFFCarriage complete2+7 E7-8	259 737		552 Eyelet 4,2	021 499
	2a IFFCarriage2+7	259 729		553 Cap screw M3,5x4	020 011
	2b Yarn carrier head 2+7 complete E7-8	244 083	6	Limiter on the right with two eyelets	244 445
3	IFFCarriage complete 3-6 complete E7-8	259 738	c	Yarn guide angle	242 863
	3a IFFCarriage3+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	IFFCarriage complete4+5 E7-8	259 739			
	4a IFFCarriage4+5	259 731			
	4b Yarn carrier head 3-6 complete E7-8	244 084			



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

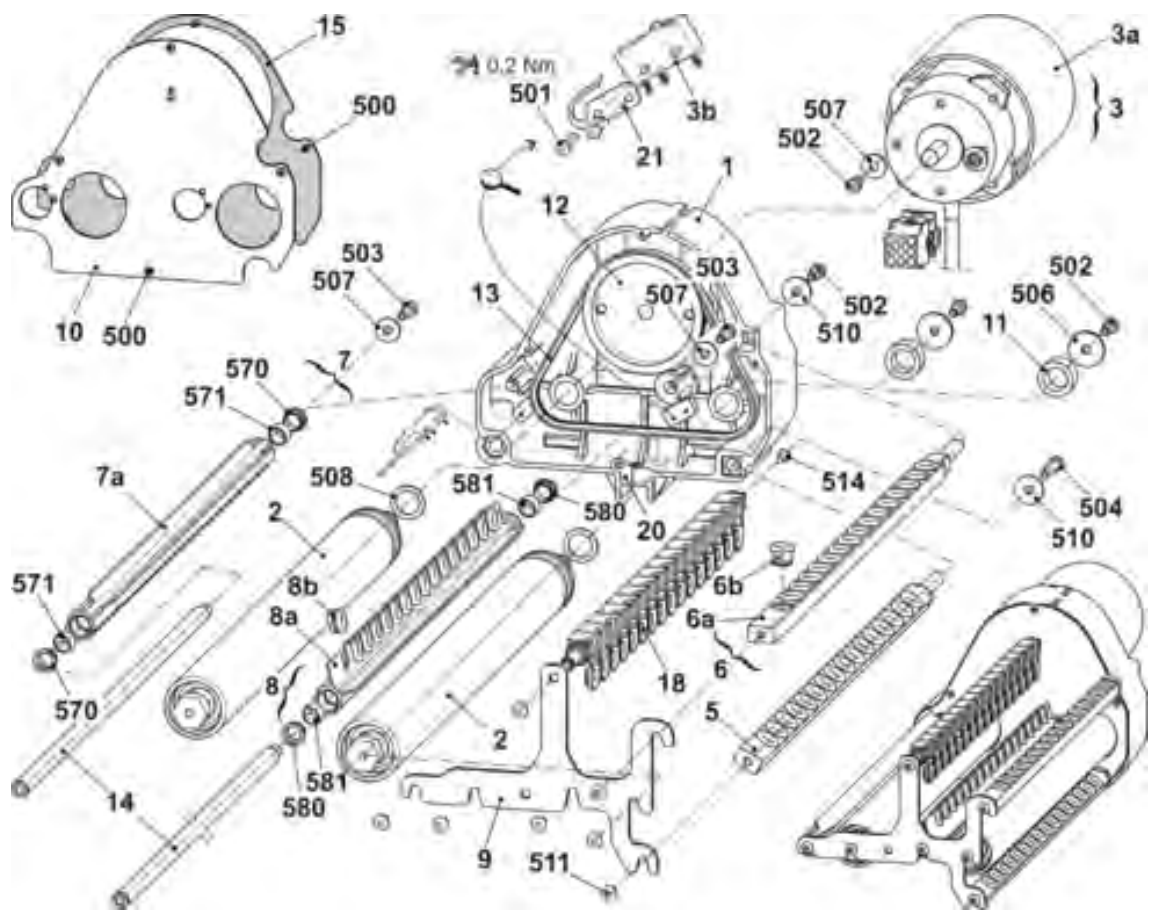
Pos	Designation		ID		Pos	Designation		ID
Σ L	Friction feed wheel 16 fold on the left complete		254 900		Σ R	Friction feed wheel 16 fold on the right complete		254 901
1	Friction feed wheel on the left		244 185		1	Friction feed wheel on the right		244 186
2	Support of left feed wheel 16--fold		254 534		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



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

17.16.1 Friction feed wheel on the left

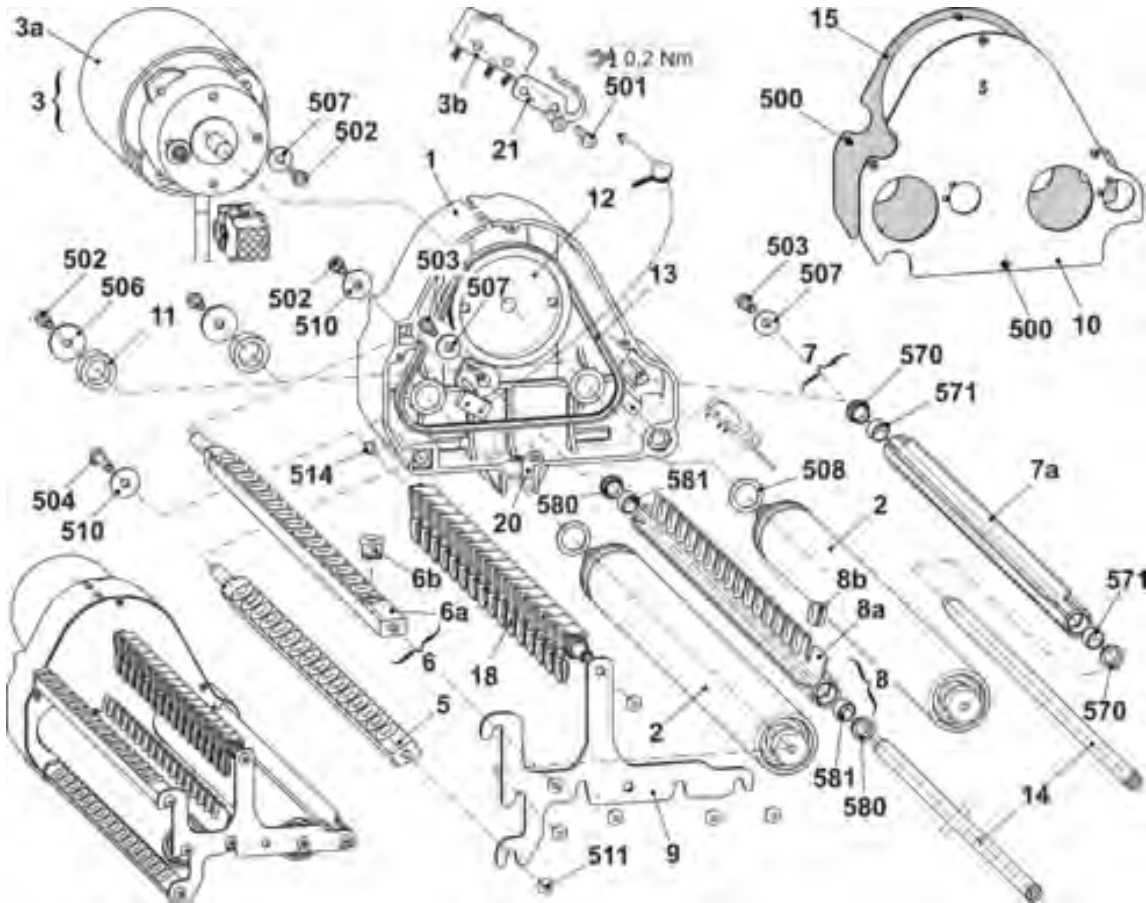
Pos	Designation	Id		Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the left complete	244 185		10	Cover	251 098
1	Housing	240 368		11	Bush	221 391
2	Friction roller complete	243 860		12	V-ribbed belt pulley	221 268
3	Three-phase AC motor 3x42V complete	219 800		13	Ribbed V-belt	206 927
3a	Three-phase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



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

17.16.2 Friction feed wheel on the right

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



17.17 Stopping device

17.17 Stopping device

Pos	Designation	ID		Pos	Designation	ID
L+R	Stopping device 16-fold complete	259 455		2	Yarn brake	259 440
1	Support plate	259 401		510	Pan-head screw M5x10	023 247



