

Spare-parts catalog

CMS 502 (Type 637)

Component type 001

E10 | E12 | E14 | E16 | E18 | E6.2(12m.10) | E7.2(14/12) | E6.2 | E7.2 | E8.2

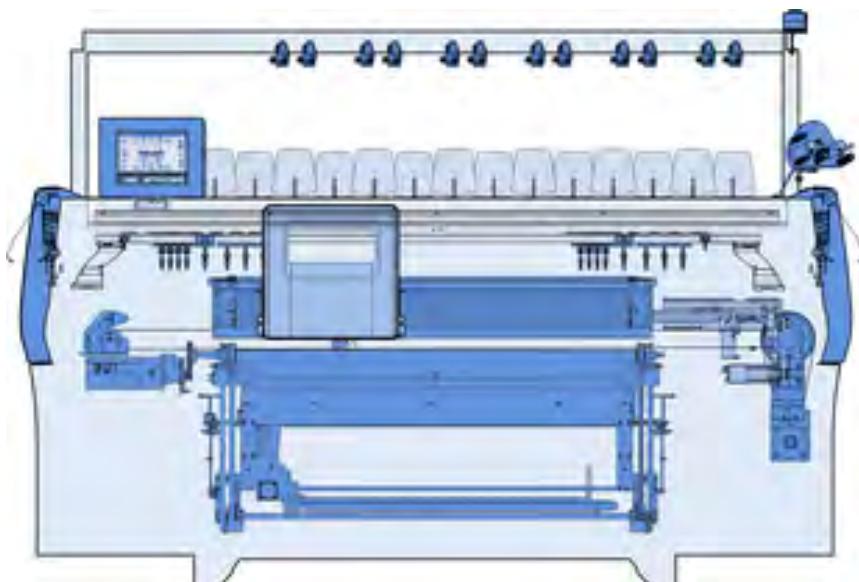


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1 Introduction

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:

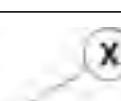
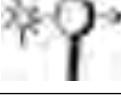
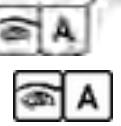
1. Type of machine, gauge, no. of machine.
2. Page no., designation, ID, quantity.

Only genuine STOLL spare parts may be used for repairs.

1.1 Search help

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 Clases de resistencia		
[Nm] ± 10 % (für $\mu_{\text{ges}} = 0,12$)		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filetto regolatore Filata 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.**

1.2 Torques

Notes:

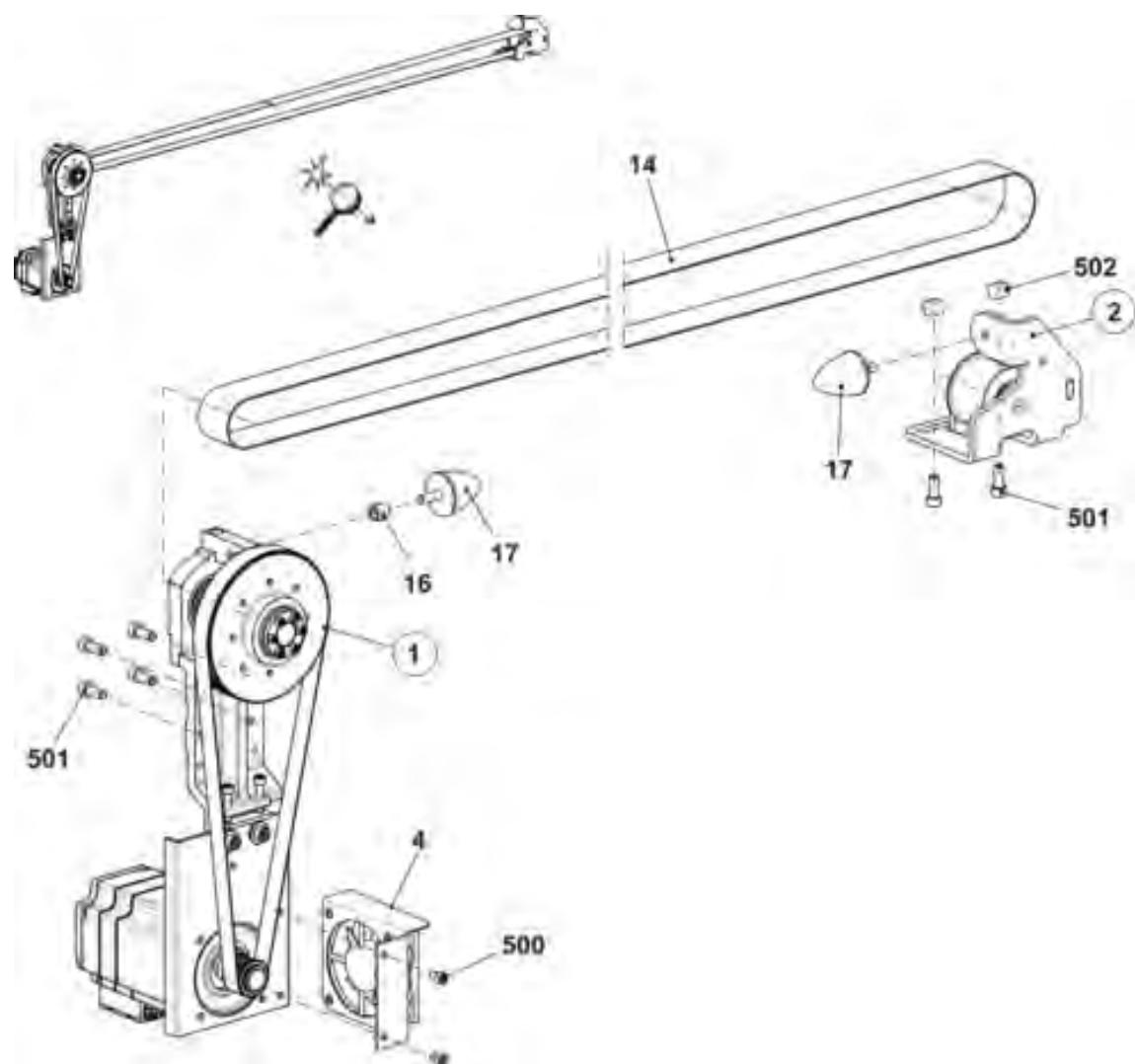
2 Carriage drive



2.1 Drive

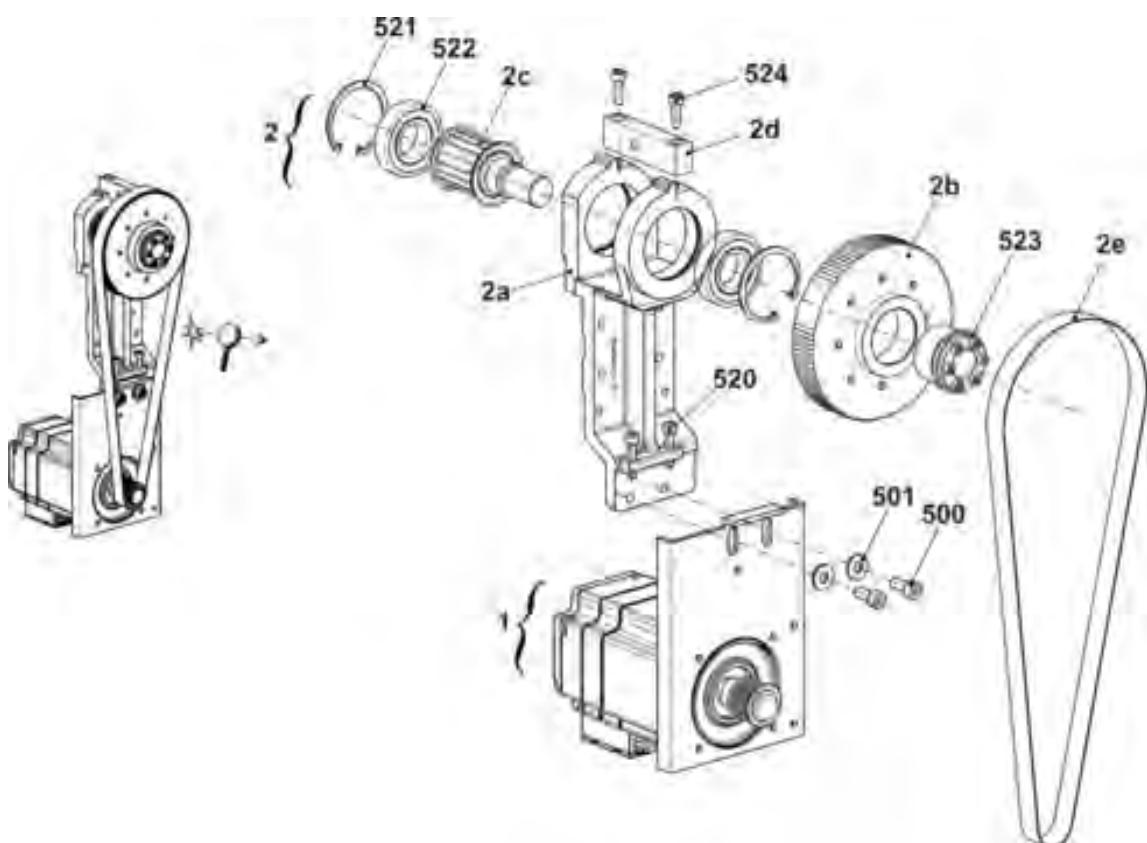
2.1 Drive

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Drive unit		16 17 500 501 502	Spacer pipe	253 867
1	Drive unit complete	251 608		Parabolic spring	200 661
2	Tension bearing complete	251 581		Cap screw M8x12	023 138
4	Fan complete	253 692		Cap screw M10x25	020 157
14	Toothed belt50AT10/4170 HP	251 607		NutM10x12	023 471



2.1.1 Motor and belt drive

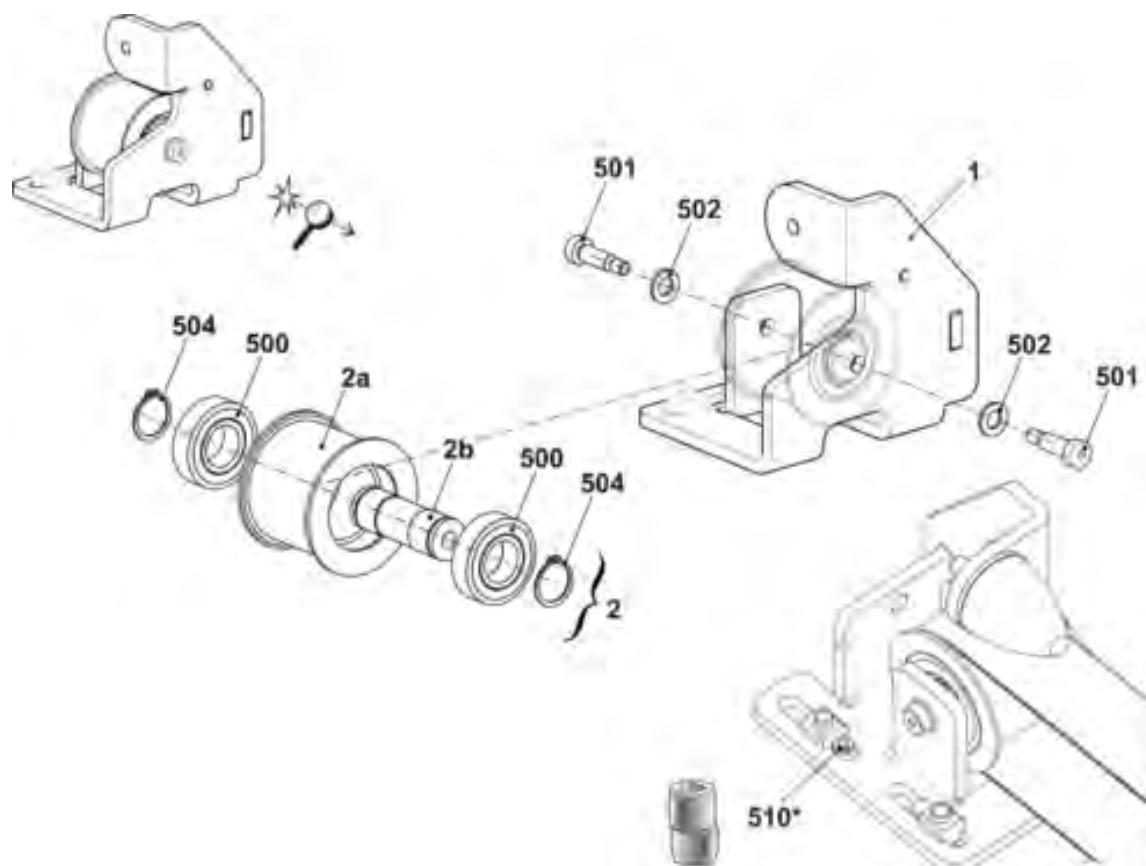
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Drive unit complete	251 608		2d	Support of buffer	222 100
1	Drive unit	258 189		2e	Toothed belt	252 594
500	Cap screw M10X25	020 157		520	Cap screw M8X35	020 144
501	Disk 10,5X25X2,5	022 178		521	Retaining ring 68x2,5	022 914
2	Drive bearing	255 005		522	Grooved ball bearing 6207-2RS	022 915
2a	Drive bearing	252 634		523	Tension set 30X55	023 208
2b	Toothed belt pulley	240 616		524	Cap screw M8X25 12.9	020 142
2c	Pinion 57 AT10 18	242 039				



2.1 Drive

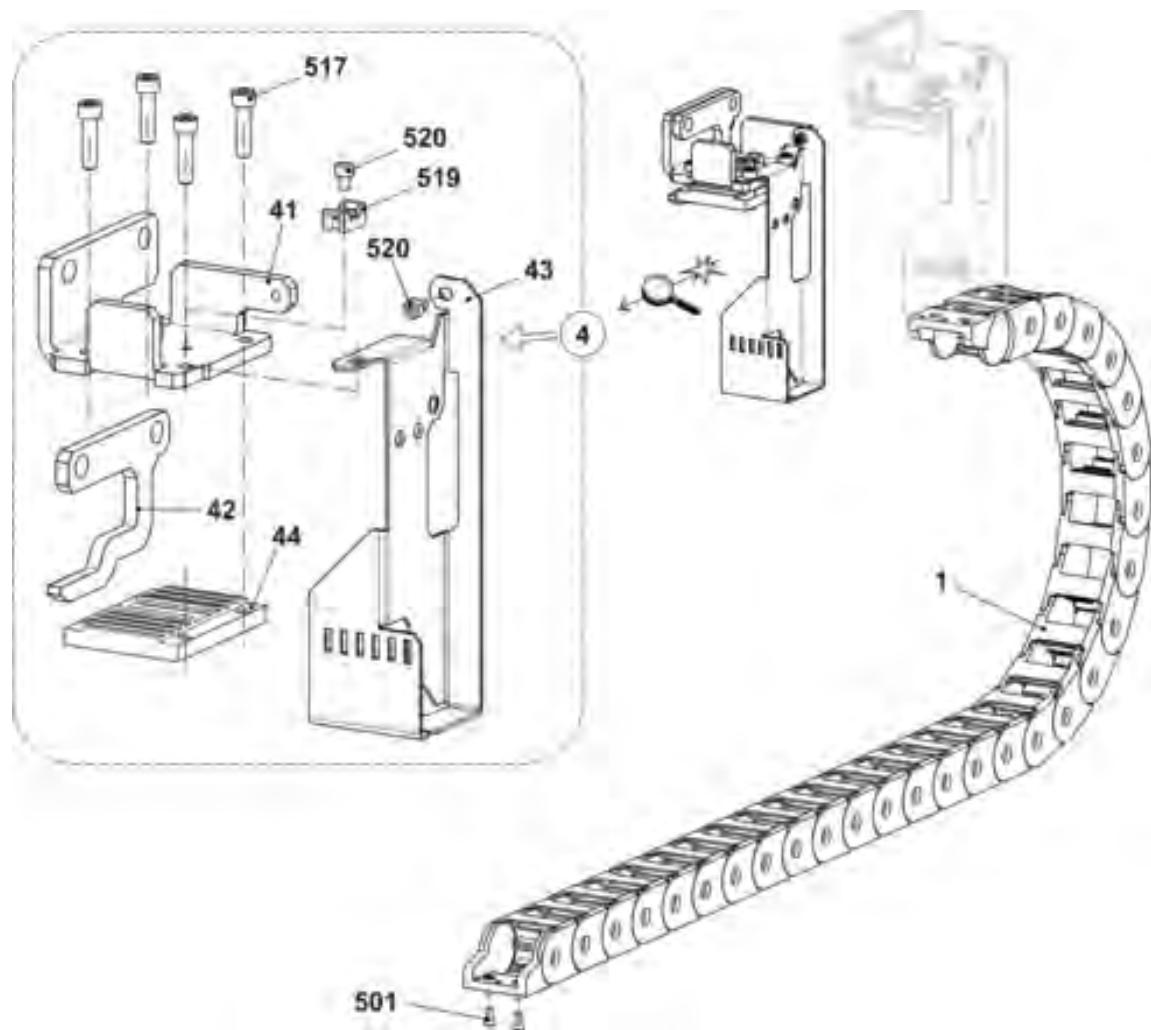
2.1.2 Tension bearing

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



2.2 Energy chain and plunger

Pos	Designation	Id. no.		Pos	Designation	Id. no.
1	Energy chain 28 links	253 896		4	43	Cable driver
501	Cap screw M6x8	023 411		44	Clamping plate	252 592
4	Carriage driver complete	258 404		517	Cap screw M8x30	020 143
41	Carriage driver	260 689		519	Fixing element	026 489
42	Switch flag carriage driver	260 690		520	Cap screw M6x8	023 411



2.2 Energy chain and plunger

Notes:

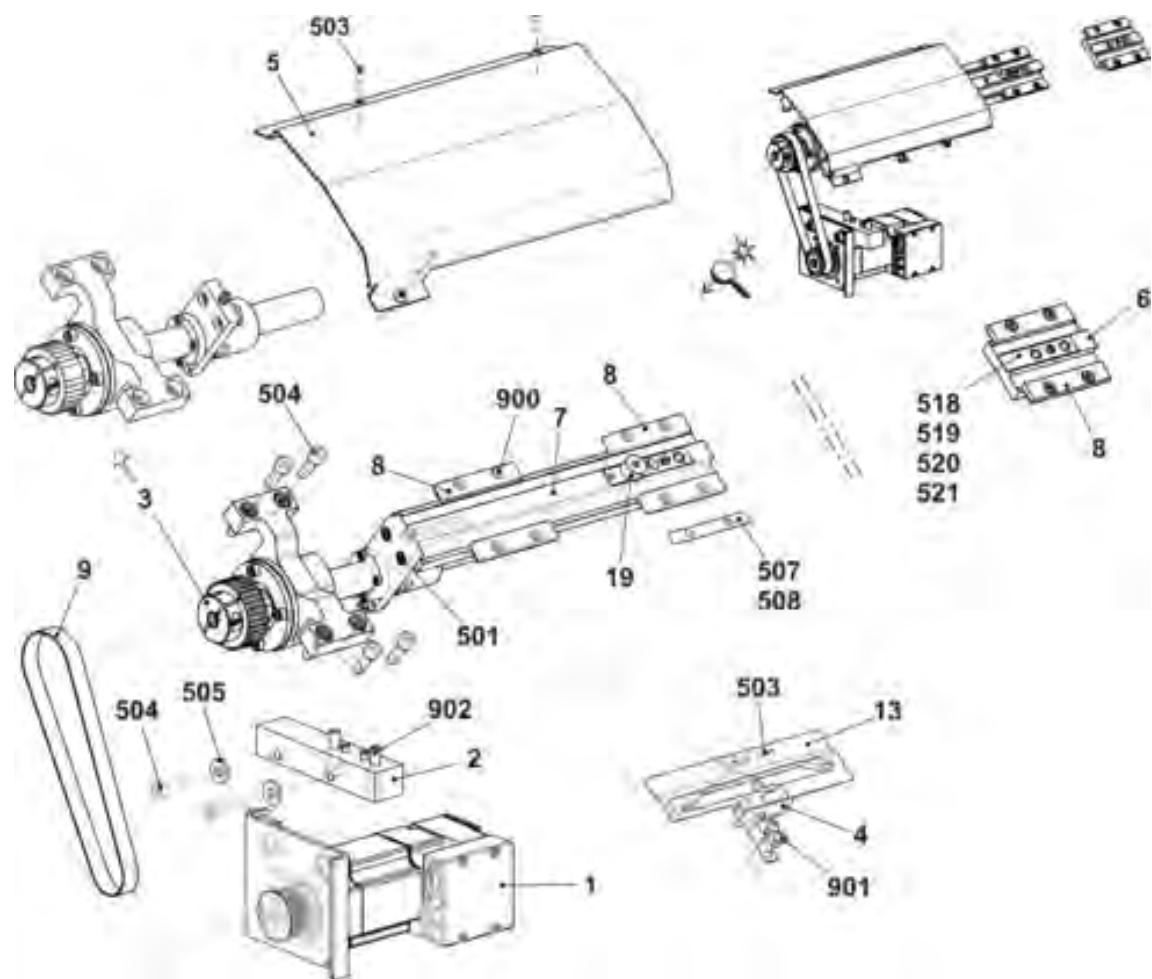
3 Racking



3.1 Racking drive

3.1 Racking drive

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Racking					
1	Three-phase AC servo motor racking complete	258 195		501	Cap screw M6x16	023 116
2	Bearing	257 403		503	Pan head screw M6x10	023 183
3	Spindle bearing	253 262		504	Cap screw M8x25	020 142
4	Card racking limit switch	229 396		505	Washer8,4X20X3	022 175
5	Racking cover plate	256 858		518	Shim0,03x15x75	023 395
6	Racking strip on the left	240 696		519	Shim 0,05x15x7	023 396
7	Racking strip	256 857		520	Shim0,1x15x75	023 397
8	Guide strip	206 382		521	Shim0,2x15x75	023 398
9	Toothed belt150 S 5M 490	229 281		900	Cap screw M6x12	022 795
13	Switch plate	240 722		901	Pan head screw M6x10	023 183
19	Stop screw	221 386		902	Cap screw M8x30	020 143



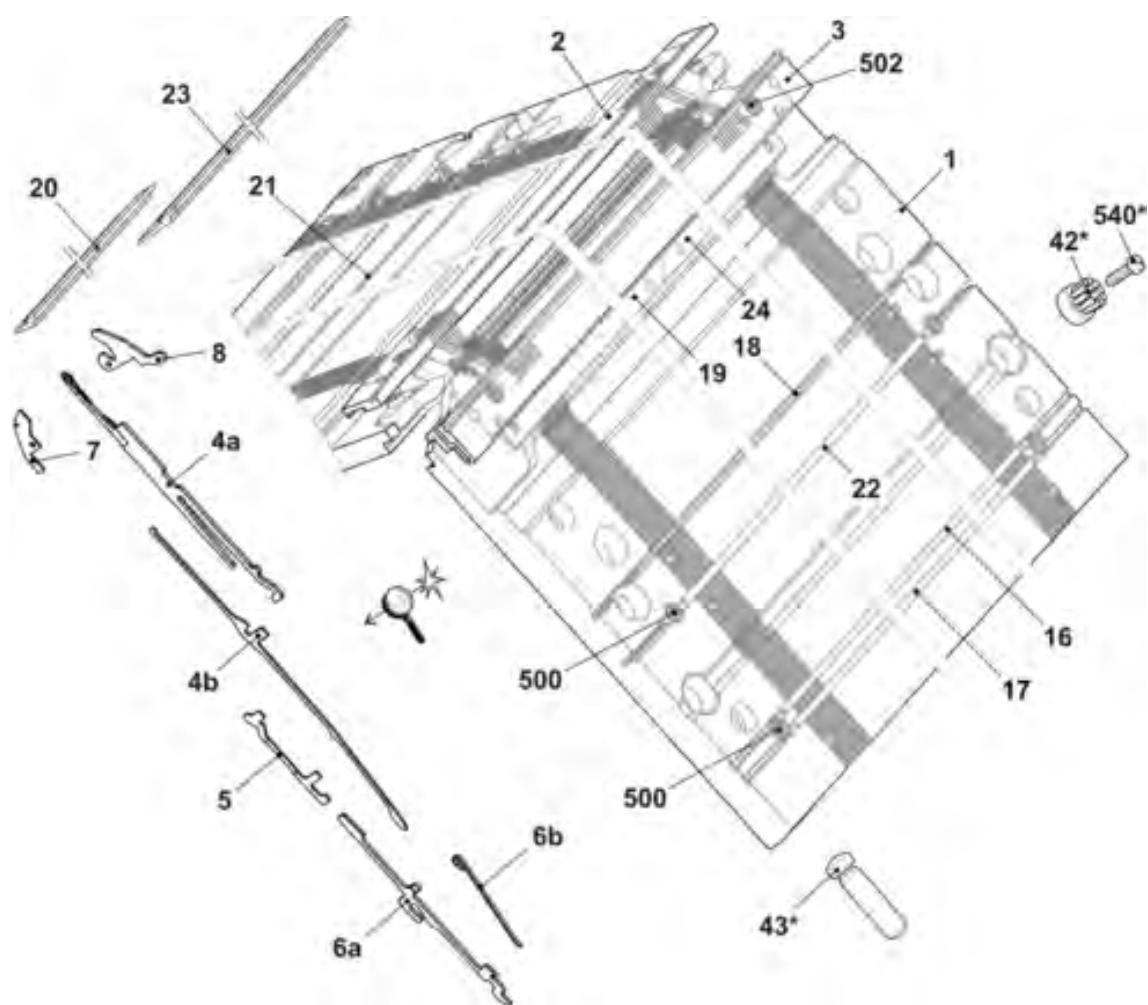
4 Needle beds



4.1 Needle bed E10

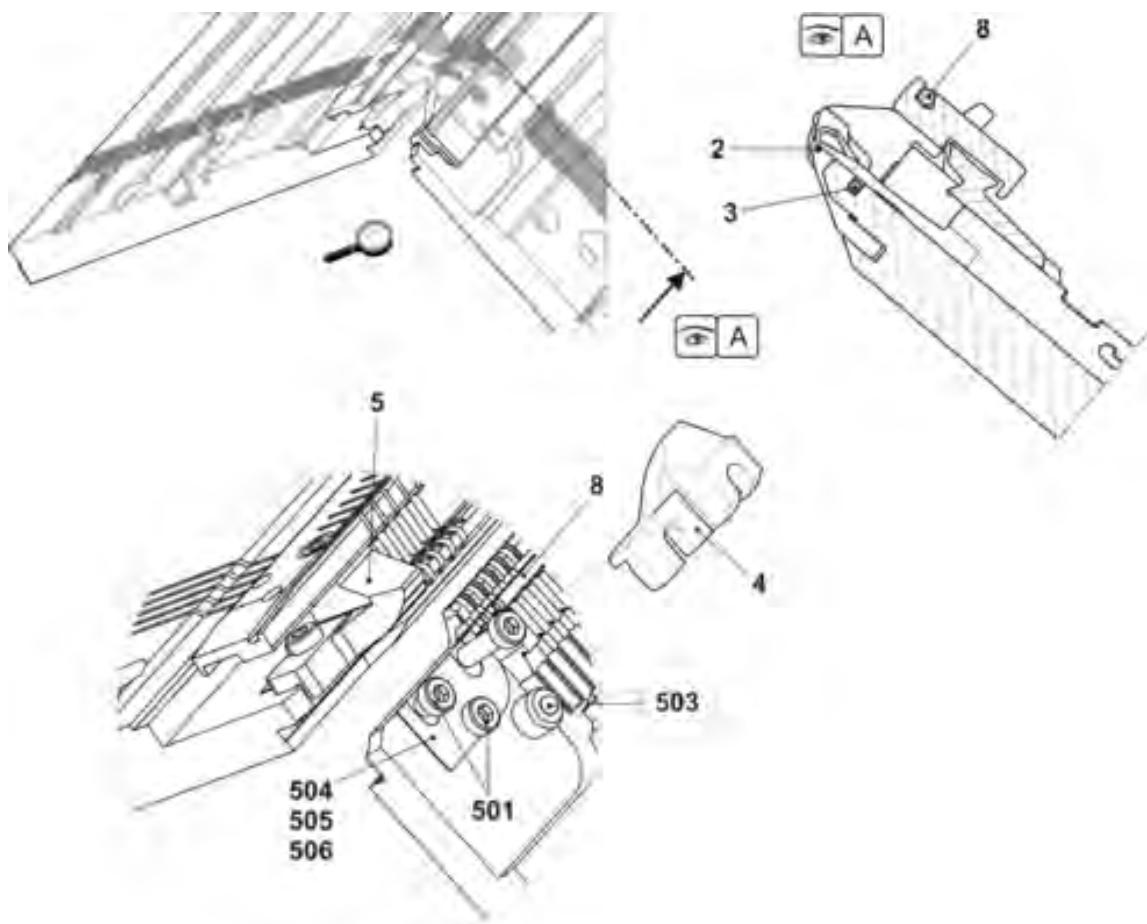
4.1 Needle bed E10

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rear E10	261 915			
1	Needle bed at the front + rear E10	261 903	18	Locating wire D=2,8	207 270
2	Holding-down jack bed at the rear E10	250 543	19	Needle bar on the left at the front	237 835
3	Holding-down jack bed at the front E10	250 542	20	Needle bar rear on the right	237 836
4a	Needle E10 with round hook	205 398	21	Cover rail at the rear	250 572
4b	Coupling part E10-12	253 382	22	Cover rail at the front E10	261 913
5	Intermediate slider with brake E10-12	255 535	23	Needle bar on the left at the rear	253 908
6a	Selection jack E10-12	200 688	24	Needle bar on the right at the rear	253 910
6b	Selector spring E10-12	200 691	500	Cap screw M5x10	022 918
7	Knock-over bit E10	239 756	502	Cap screw M5x22	023 193
8	Holding-down jack trick wall E10	239 815	42*	Disk brush	202 600
16	Cover rail	250 575	43*	Adjusting bolt	251 772
17	Cover rail	250 576	540*	Cap screw M5x12	020 032



4.1.1 Continuation needle bed E10

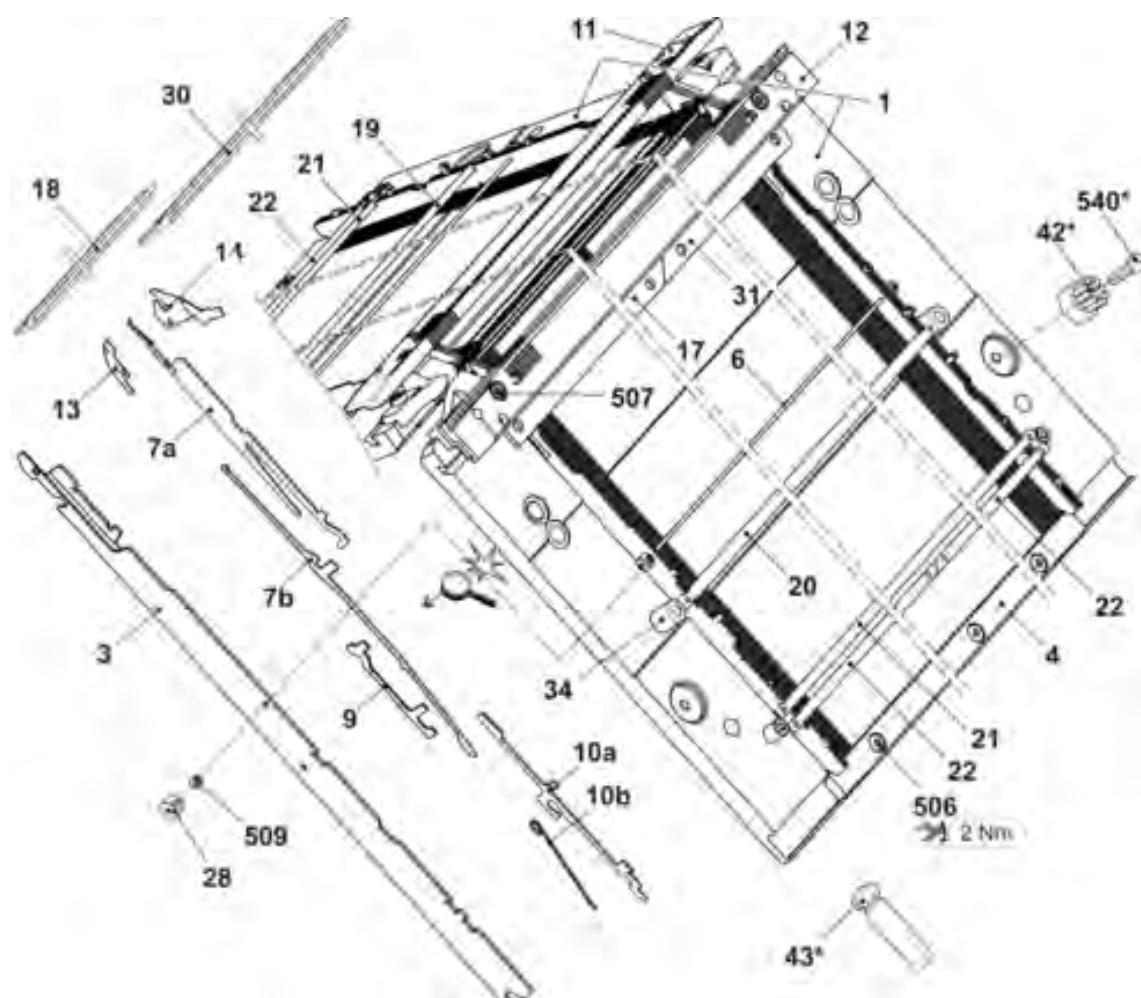
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front + rear E10	261 915			
2	Spring steel wire $\varnothing 0,6$ E10-14	208 388	501	Cap screw M5x8	023 154
3	Spring steel wire $\varnothing 2,0$	207 269	503	Springy thrust piece	023 177
4	Limiter on the left E10-14	205 764	504	Shim $0,05 \times 18,5 \times 34$	023 196
5	Limiter on the right E10-14	205 765	505	Shim $0,1 \times 18,5 \times 34$	023 197
8	Locating wire $\varnothing 2,8$	207 270	506	Shim $0,2 \times 18,5 \times 34$	023 253



4.2 Needle bed E12

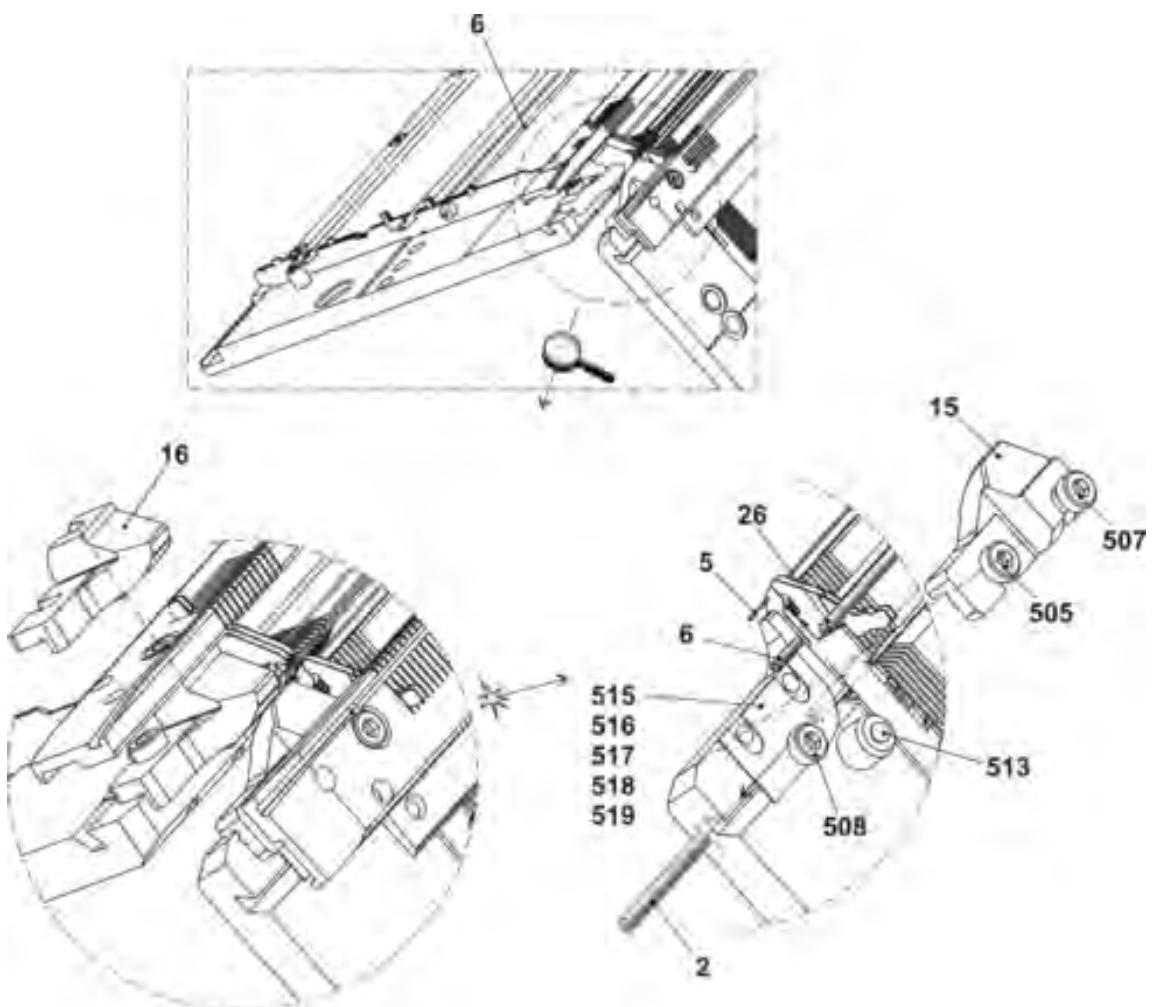
4.2 Needle bed E12

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E12	258 475		18	Needle bar rear on the right	237 836
1	Needle bed at the front + rear E12	258 455		19	Cover rail at the rear	250 572
3	Main trick wall E12	260 343		20	Cover rail at the front E12	250 593
4	Pressure slide E12-14	252 040		21	Cover rail	250 575
6	Spring steel wire ø2,0	207 269		22	Cover rail	250 576
7a	Needle E12	204 009		28	Bush	206 090
7b	Coupling part E10 - E12	253 382		30	Needle bar on the left at the rear	253 908
9	Intermediate slider with brake E10-12	255 535		31	Needle bar on the right at the rear	253 910
10a	Selection jack E10-12	200 688		34	Stop screw	235 244
10b	Selector spring E10-12	200 691		506	Cap screw M5x8	023 379
11	Holding-down jack bed at the rear E12	250 545		507	Cap screw M5x22	023 193
12	Holding-down jack bed at the front E12	250 544		509	Setscrew M3,5x3-1	020 512
13	Knock-over bit E12	259 212		42*	Disk brush	202 600
14	Holding-down jack trick wall E12	259 213		43*	Adjusting bolt	251 772
17	Needle bar on the left at the front	237 835		540*	Cap screw M5x12	020 032



4.2.1 Continuation needle bed E12

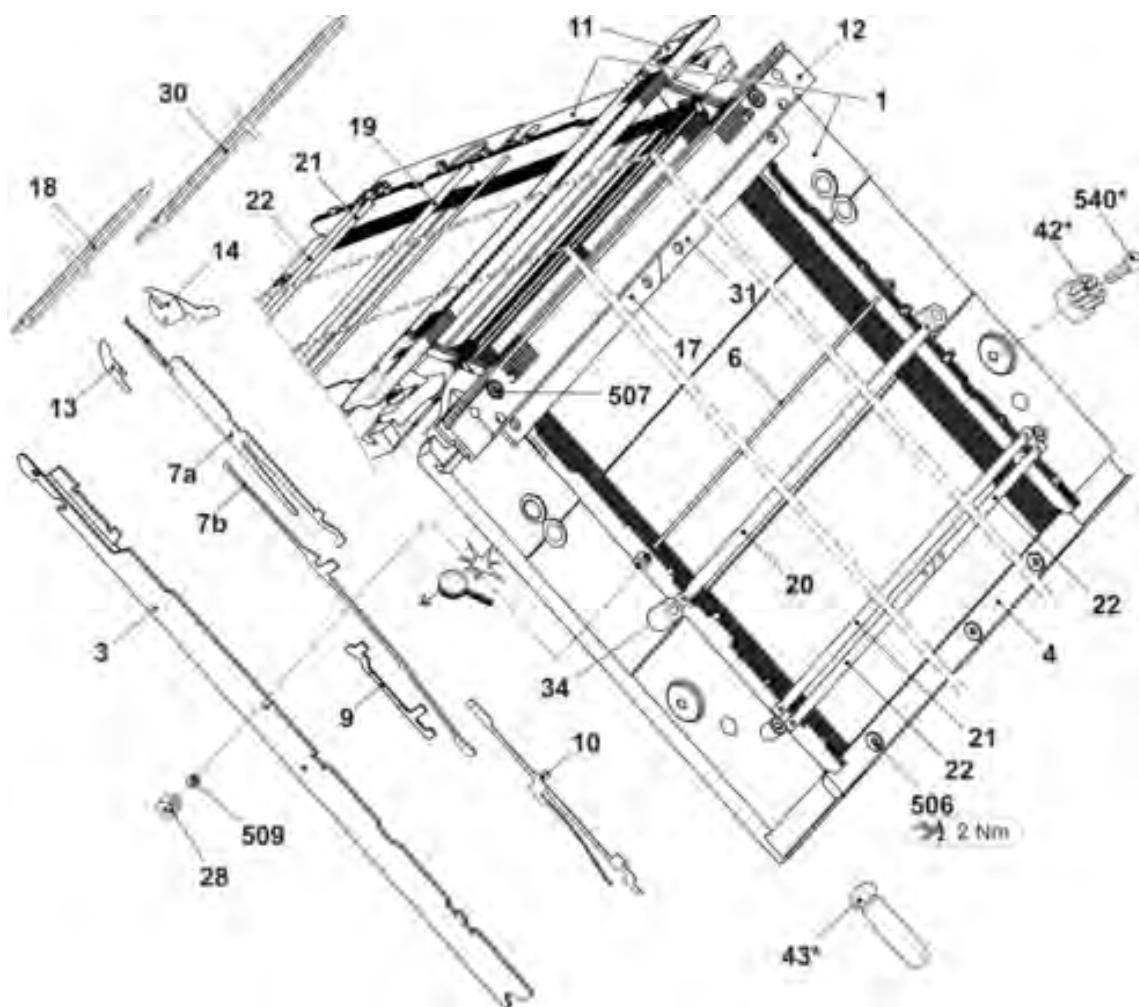
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E12	258 475	505 507 508 513 517 518 519	Cap screw M5x8-8.8	023 154
2	Locating wire $\varnothing 3,4$	208 389		Cap screw M5x22	023 193
5	Spring steel wire $\varnothing 0,6$	208 388		Cap screw M5x12-8.8	022 943
6	Spring steel wire $\varnothing 2,0$	207 269		Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764		Shim 0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765		Shim 0,1x18,5x34	023 197
26	Locating wire $\varnothing 2,8$	207 270		Shim 0,2x18,5x34	023 253



4.3 Needle bed E14

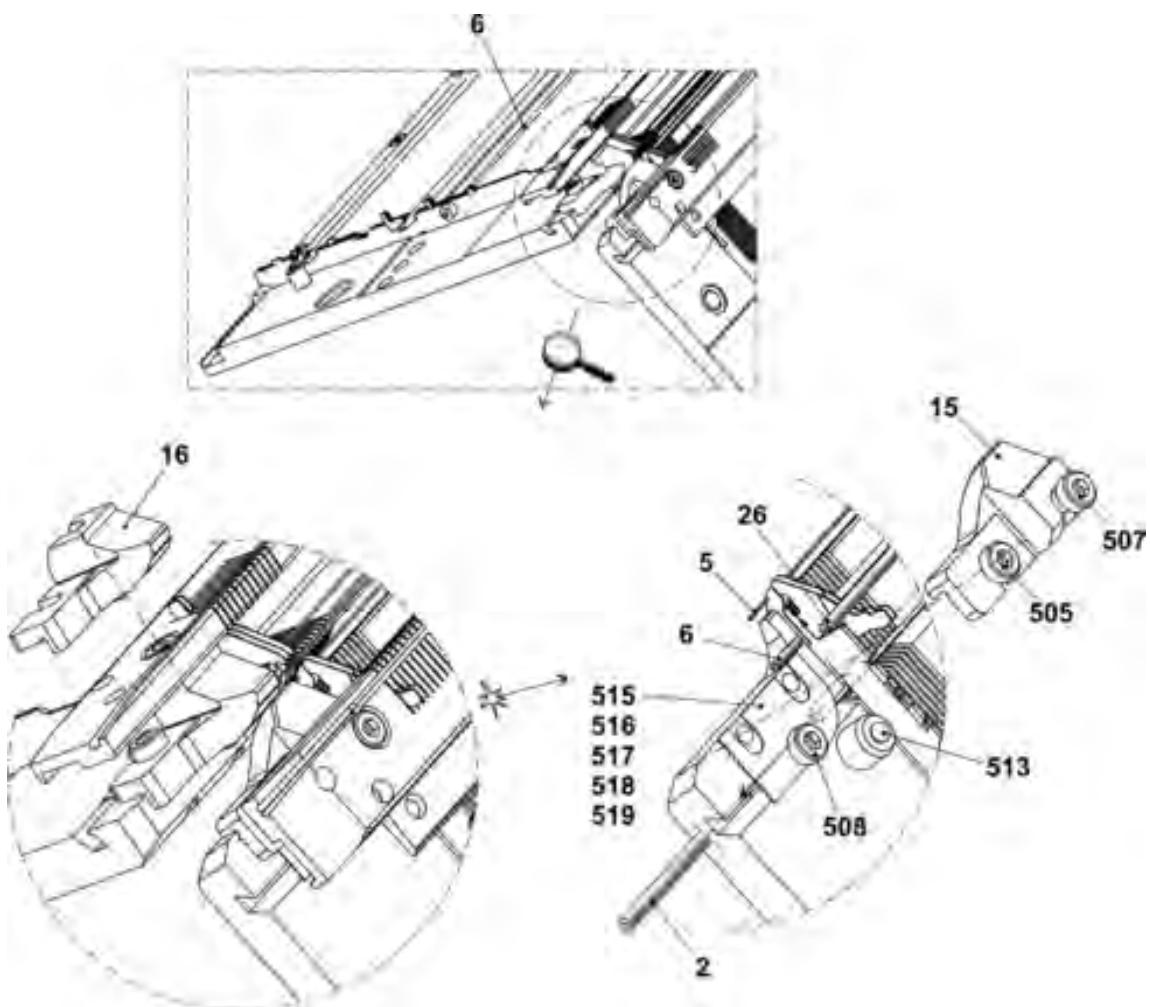
4.3 Needle bed E14

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E14	258 476			
1	Needle bed at the front + rear E14	258 456	19	Cover rail at the rear	250 572
3	Main trick wall E14	260 344	20	Cover rail at the front E14	250 571
4	Pressure slide E12 - E14	252 040	21	Cover rail	250 575
6	Spring steel wire ø2,0	207 269	22	Cover rail	250 576
7a	Needle E14	209 614	28	Bush	206 090
7b	Coupling part E14	253 383	30	Needle bar on the left at the rear	253 908
9	Intermediate slider with brake E14+7.2	255 536	31	Needle bar on the right at the rear	253 910
10	Selection jack with spring E14	224 725	34	Stop screw	235 244
11	Holding-down jack bed at the rear E14	250 547	506	Cap screw M4-M5x8	023 379
12	Holding-down jack bed at the front E14	250 546	507	Cap screw M5x22	023 193
13	Knock-over bit E14	209 649	509	Setscrew M3,5x3-1	020 512
14	Holding-down jack trick wall E14	235 262	42*	Disk brush	202 600
17	Needle bar on the left at the front	237 835	43*	Adjusting bolt	251 772
18	Needle bar rear on the right	237 836	540*	Cap screw M5x12	020 032



4.3.1 Continuation needle bed E14

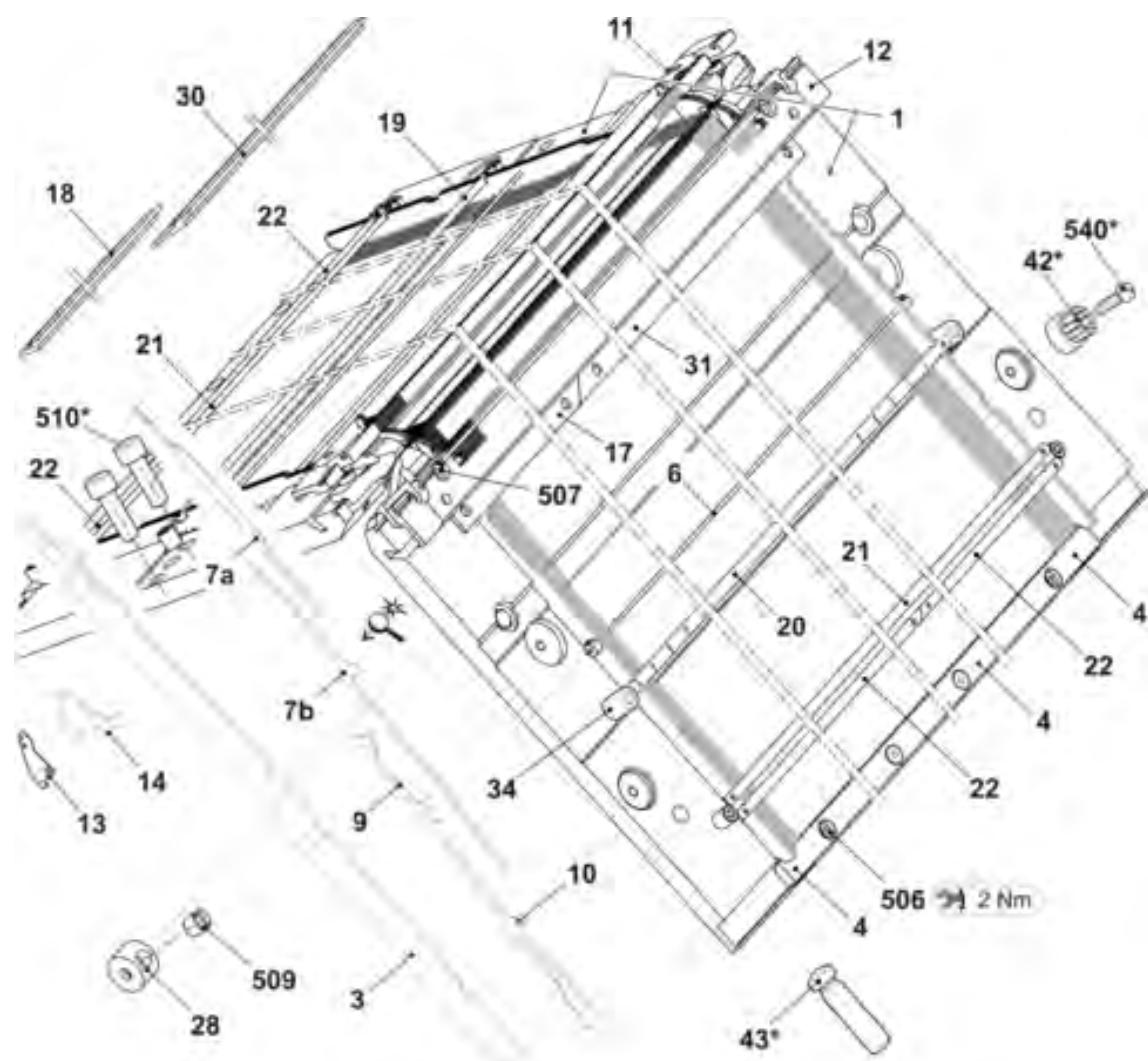
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E14	258 476	505 507 508 513 517 518 519	Cap screw M5x8-8.8	023 154
2	Locating wire $\varnothing 3,4$	208 389		Cap screw M5x22	023 193
5	Spring steel wire $\varnothing 0,6$	208 388		Cap screw M5x12-8.8	022 943
6	Spring steel wire $\varnothing 2,0$	207 269		Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764		Shim 0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765		Shim 0,1x18,5x34	023 197
26	Locating wire $\varnothing 2,8$	207 270		Shim 0,2x18,5x34	023 253



4.4 Needle bed E16

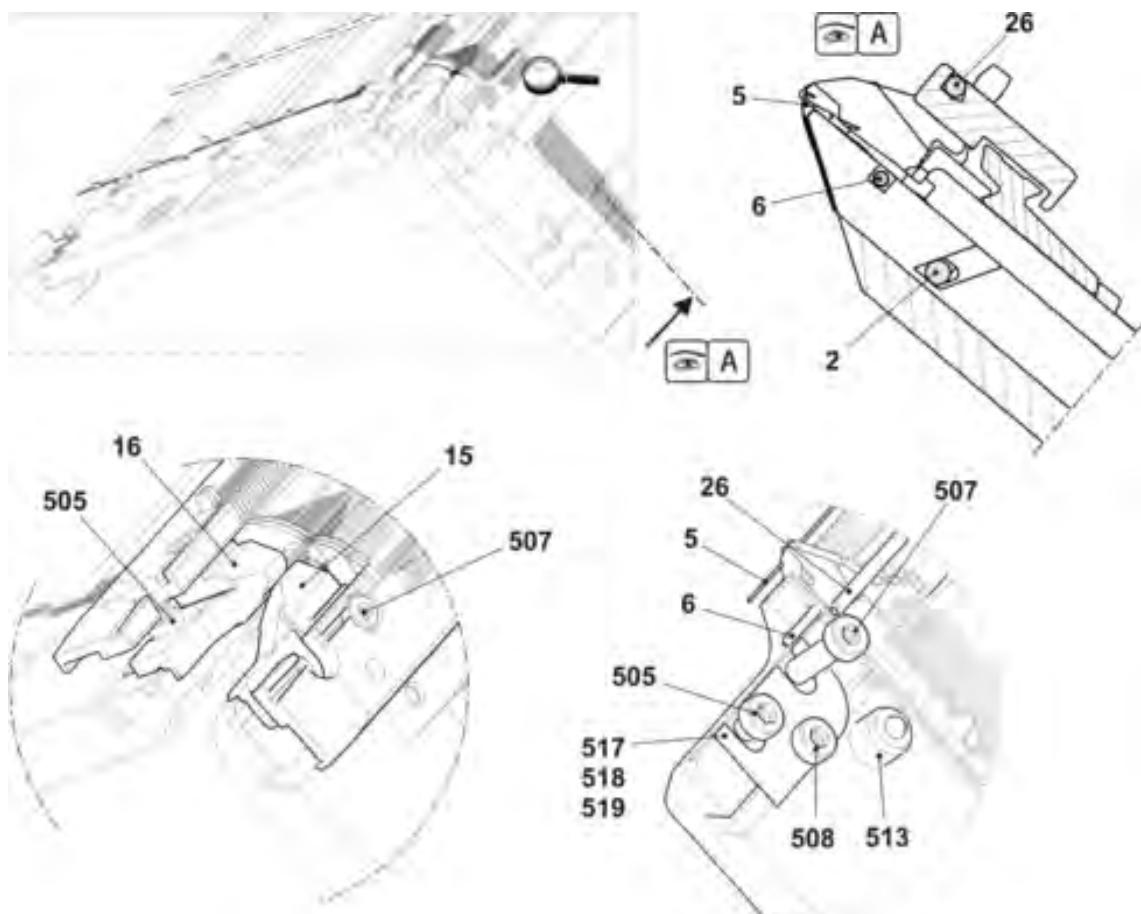
4.4 Needle bed E16

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E16	258 477	19	Cover rail at the rear	250 572
1	Needle bed at the front + rear E16	258 457	20	Cover rail at the front E16	250 587
3	Main trick wall E16	245 319	21	Cover rail	250 575
4	Pressure slide E12-14	252 040	22	Cover rail	250 576
6	Spring steel wire ø2,0	207 269	28	Bush	206 090
7a	Needle E16	232 243	30	Needle bar on the left at the rear	253 908
7b	Coupling part E16-18	253 384	31	Needle bar on the right at the rear	253 910
9	Intermediate slider with brake E16-18	255 537	34	Stop screw	235 244
10	Selection jack E16-20	222 265	506	Cap screw M4-M5x8	023 379
11	Holding-down jack bed at the rear E16	250 549	507	Cap screw M5x22	023 193
12	Holding-down jack bed at the front E16	250 548	509	Setscrew M3,5x3-1	020 512
13	Knock-over bit E8.2	261 865	42*	Disk brush ø12	202 600
14	Holding-down jack E16	264 106	43*	Adjusting bolt	251 772
17	Needle bar on the left at the front	237 835	510*	Cap screw M8x25	020 142
18	Needle bar rear on the right	237 836	540*	Cap screw M5x12	020 032



4.4.1 Continuation needle bed E16

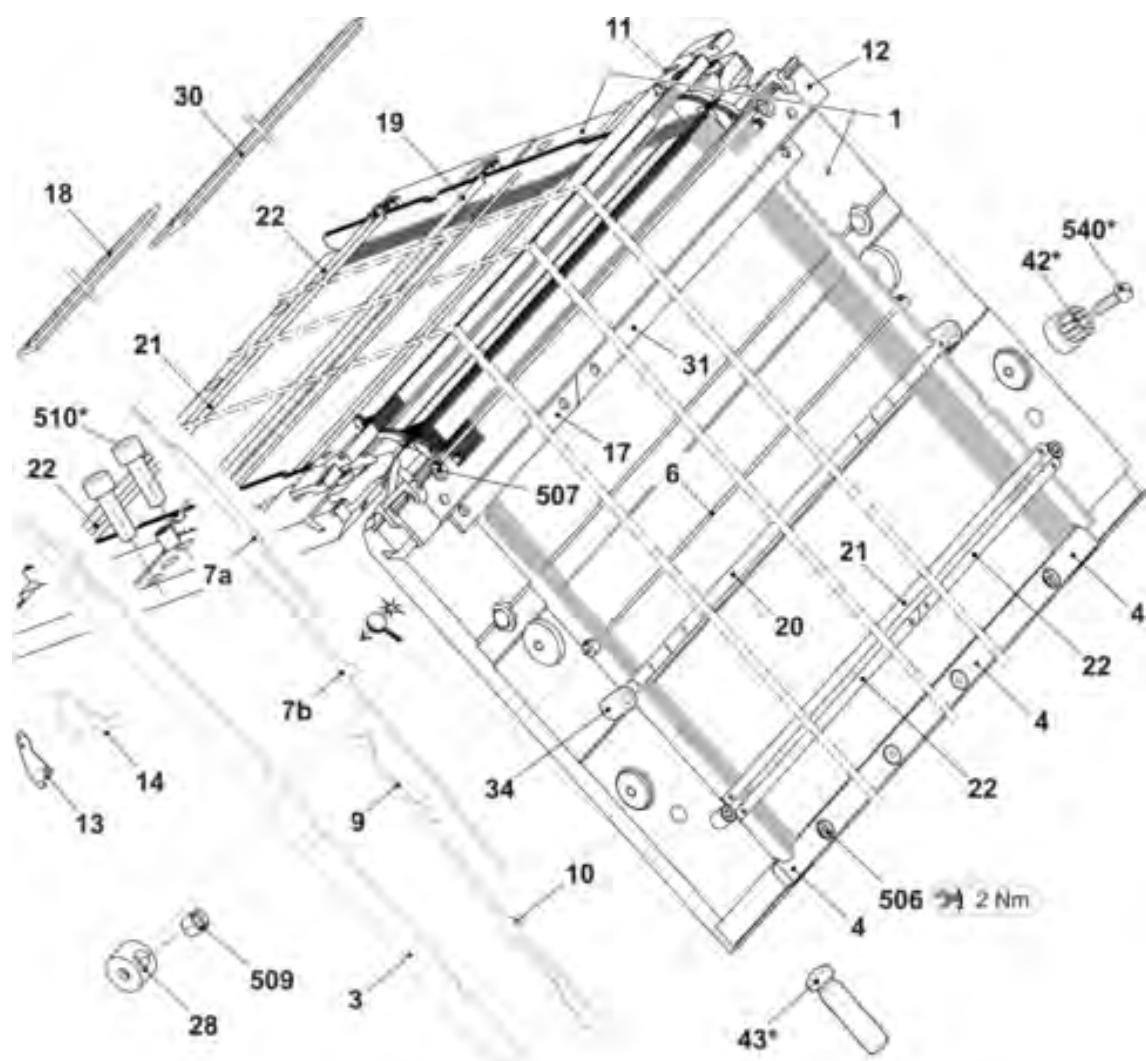
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E16	258 477	505 507 508 513 517 518 519	Cap screw M5x8	023 154
2	Locating wire $\varnothing 3,4$	208 389		Cap screw M5x22	023 193
5	Spring steel wire $\varnothing 0,5$	250 690		Cap screw M5x12	022 943
6	Spring steel wire $\varnothing 2,0$	207 269		Springy thrust piece	023 177
15	Limiter on the left E16-20	220 821		Shim $0,05 \times 18,5 \times 34$	023 196
16	Limiter on the right E16-20	220 822		Shim $0,1 \times 18,5 \times 34$	023 197
26	Locating wire $\varnothing 2,8$	256 860		Shim $0,2 \times 18,5 \times 34$	023 253



4.5 Needle bed E18

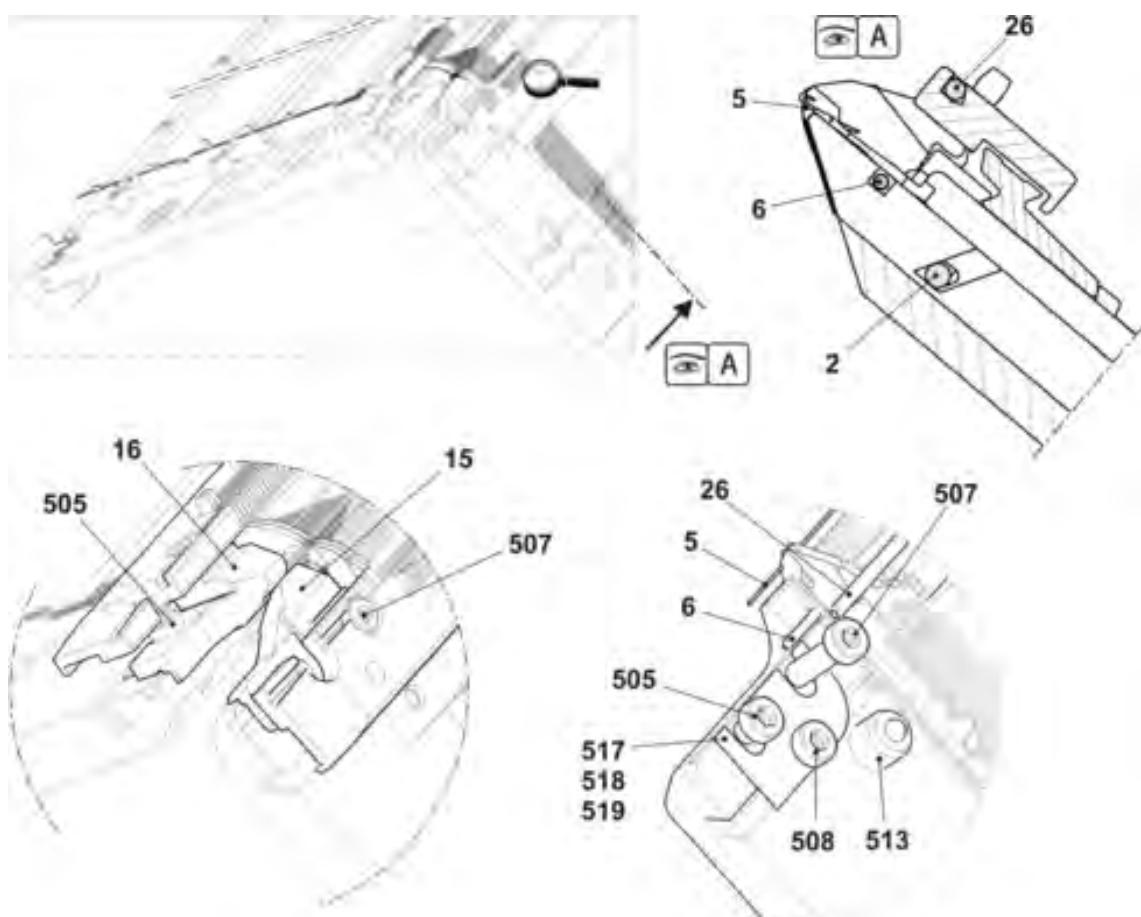
4.5 Needle bed E18

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E18	258 478	19	Cover rail at the rear	250 572
1	Needle bed at the front + rear E18	258 458	20	Cover rail at the front E18	256 864
3	Main trick wall E18	251 051	21	Cover rail	250 575
4	Pressure slide E12-14	252 040	22	Cover rail	250 576
6	Spring steel wire ø2,0	207 269	28	Bush	206 090
7a	Needle E18	239 527	30	Needle bar on the left at the rear	253 908
7b	Coupling part E10-12	253 384	31	Needle bar on the right at the rear	253 910
9	Intermediate slider with brake E16-18	255 537	34	Stop screw	235 244
10	Selection jack E16-20	222 265	506	Cap screw M4-M5x8	023 379
11	Holding-down jack bed at the rear E18	250 551	507	Cap screw M5x22	023 193
12	Holding-down jack bed at the front E18	250 550	509	Setscrew M3,5x3-1	020 512
13	Knock-over bit 0,8 mm E18	263 927	42*	Disk brush ø12	202 600
14	Holding-down jack E18	264 107	43*	Adjusting bolt	251 772
17	Needle bar on the left at the front	237 835	510*	Cap screw M8x25	020 142
18	Needle bar rear on the right	237 836	540*	Cap screw M5x12	020 032



4.5.1 Continuation needle bed E18

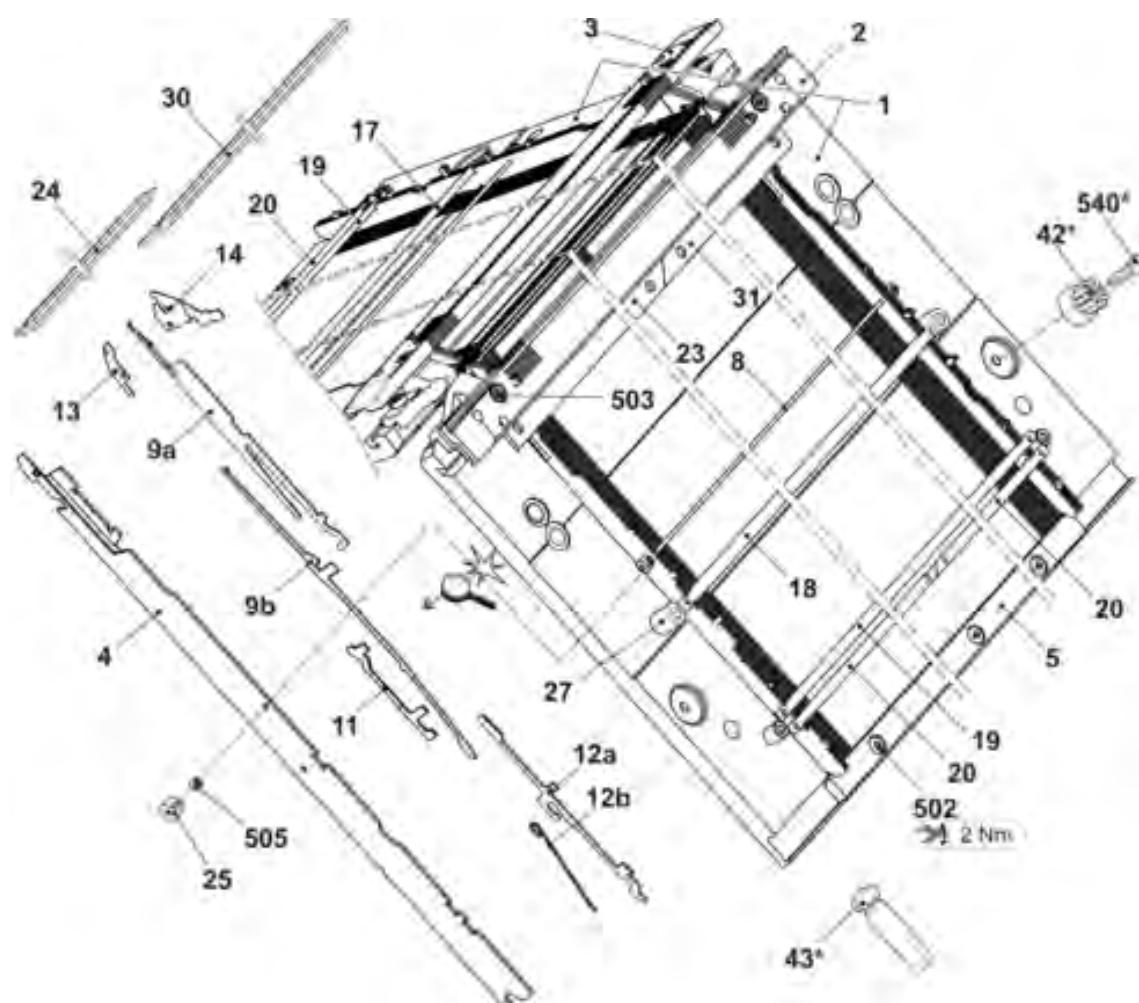
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E18	258 478	505 507 508 513 517 518 519	Cap screw M5x8	023 154
2	Locating wire $\varnothing 3,4$	208 389		Cap screw M5x22	023 193
5	Spring steel wire $\varnothing 0,5$	250 690		Cap screw M5x12-8.8	022 943
6	Spring steel wire $\varnothing 2,0$	207 269		Springy thrust piece	023 177
15	Limiter on the left E16-20	220 821		Shim 0,05x18,5x34	023 196
16	Limiter on the right E16-20	220 822		Shim 0,1x18,5x34	023 197
26	Locating wire $\varnothing 2,8$	256 860		Shim 0,2x18,5x34	023 253



4.6 Needle bed E6.2

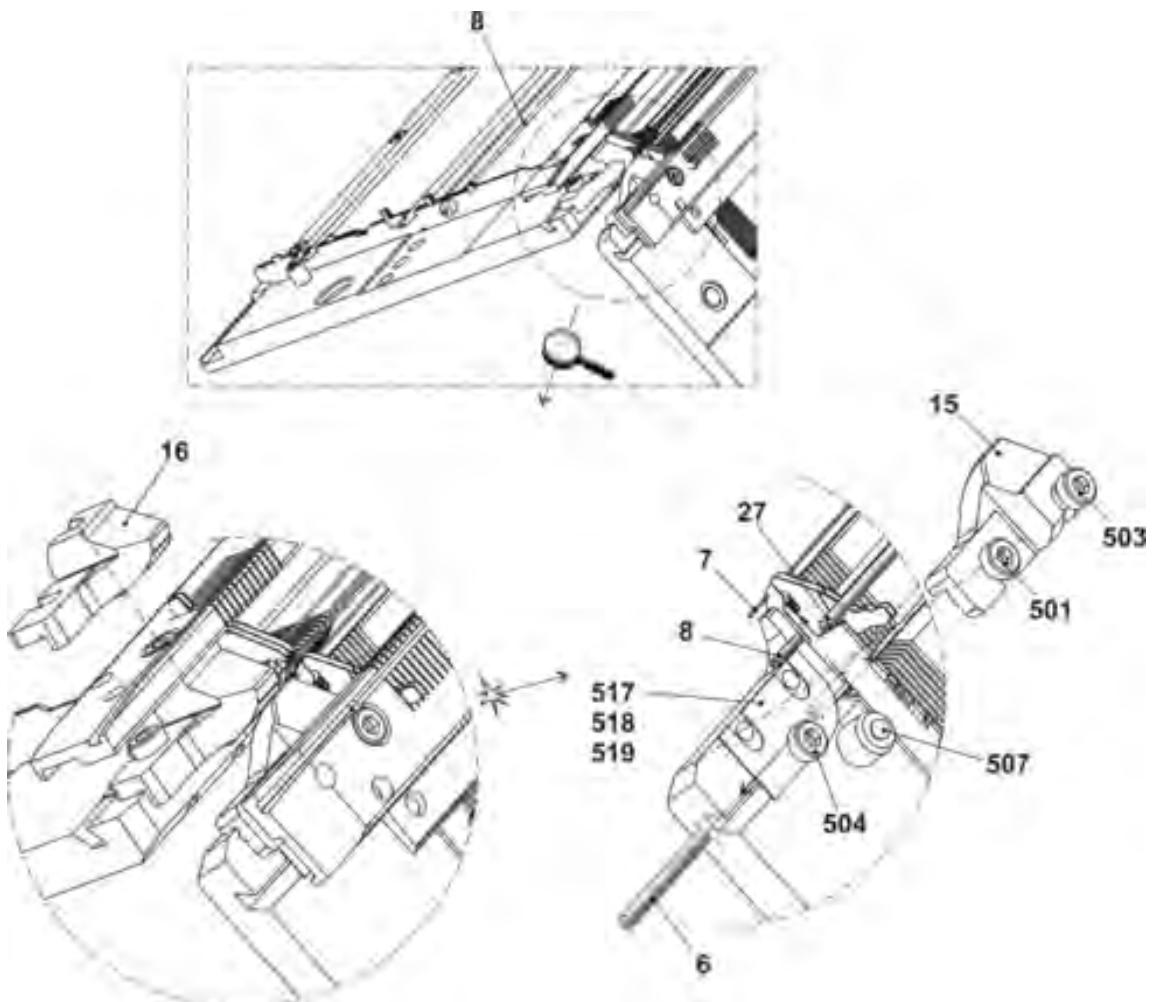
4.6 Needle bed E6.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E6.2	258 481	18	Cover rail at the front E12	250 593
1	Needle bed at the front + rear E12	258 455	19	Cover rail	250 575
2	Holding-down jack bed at the front E6.2	250 917	20	Cover rail	250 576
3	Holding-down jack bed at the rear E6.2	250 918	23	Needle bar on the left at the front	237 835
4	Main trick wall E12	260 343	24	Needle bar rear on the right	237 836
5	Pressure slide E12-14	252 040	25	Bush	206 090
8	Spring steel wire ø2,0	207 269	27	Stop screw	235 244
9a	Needle E6.2	207 349	30	Needle bar on the left at the rear	253 908
9b	Coupling part E10 - E12	253 382	31	Needle bar on the right at the rear	253 910
11	Intermediate slider with brake E10-12	255 535	502	Cap screw M5x8	023 379
12a	Selection jack E10-12	200 688	503	Cap screw M5x22	023 193
12b	Selector spring E10-12	200 691	505	Setscrew M3,5x3-1	020 512
13	Knock-over bit E12	259 212	42*	Disk brush	202 600
14	Holding-down jack trick wall E12	259 213	43*	Adjusting bolt	251 772
17	Cover rail at the rear	250 572	540*	Cap screw M5x12	020 032



4.6.1 Continuation needle bed E6.2

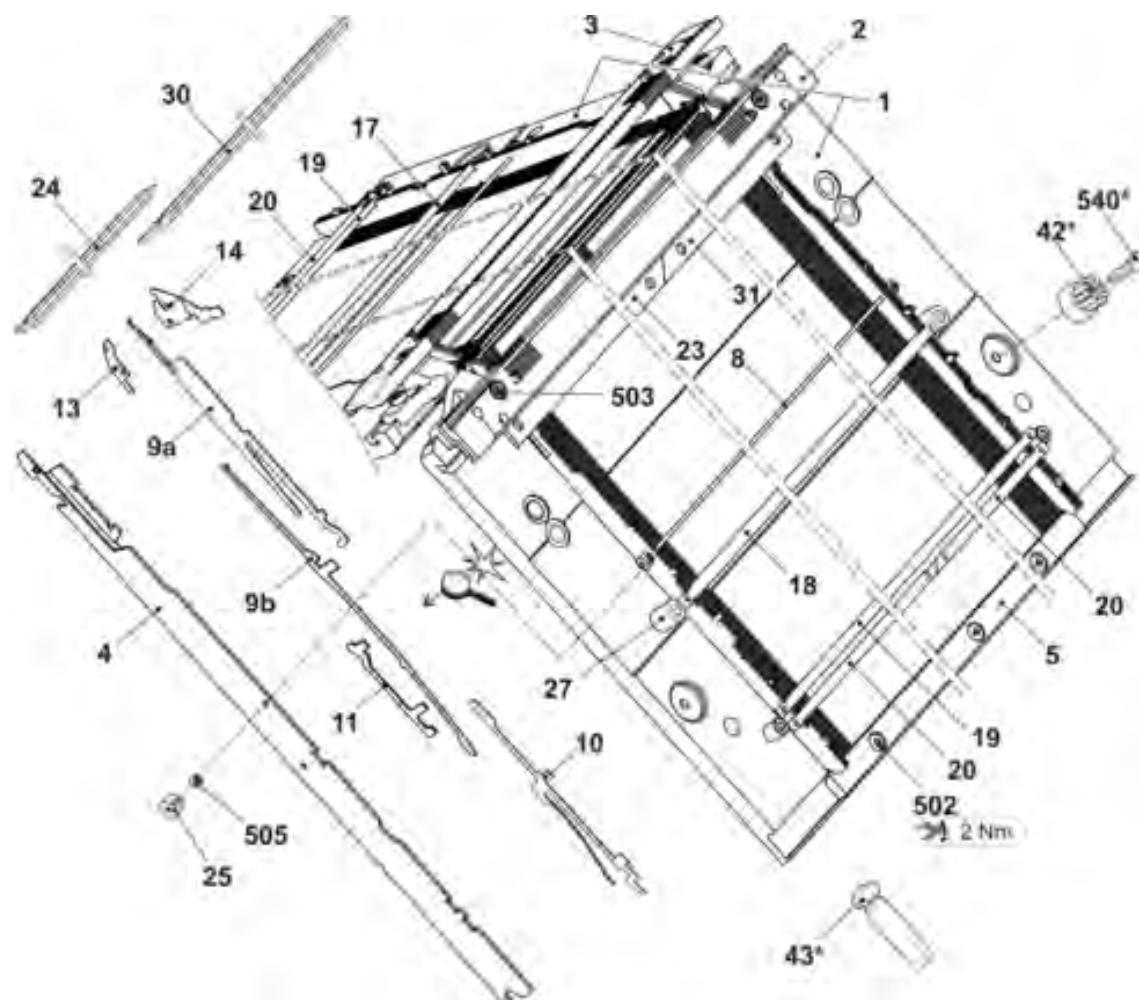
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E6.2	258 481	501 503 504 507 510 511 512	Cap screw M5x8-8.8	023 154
6	Locating wire $\varnothing 3,4$	208 389		Cap screw M5x22	023 193
7	Spring steel wire $\varnothing 0,6$	208 388		Cap screw M5x12-8.8	022 943
8	Spring steel wire $\varnothing 2,0$	207 269		Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764		Shim 0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765		Shim 0,1x18,5x34	023 197
27	Locating wire $\varnothing 2,8$	207 270		Shim 0,2x18,5x34	023 253



4.7 Needle bed E7.2

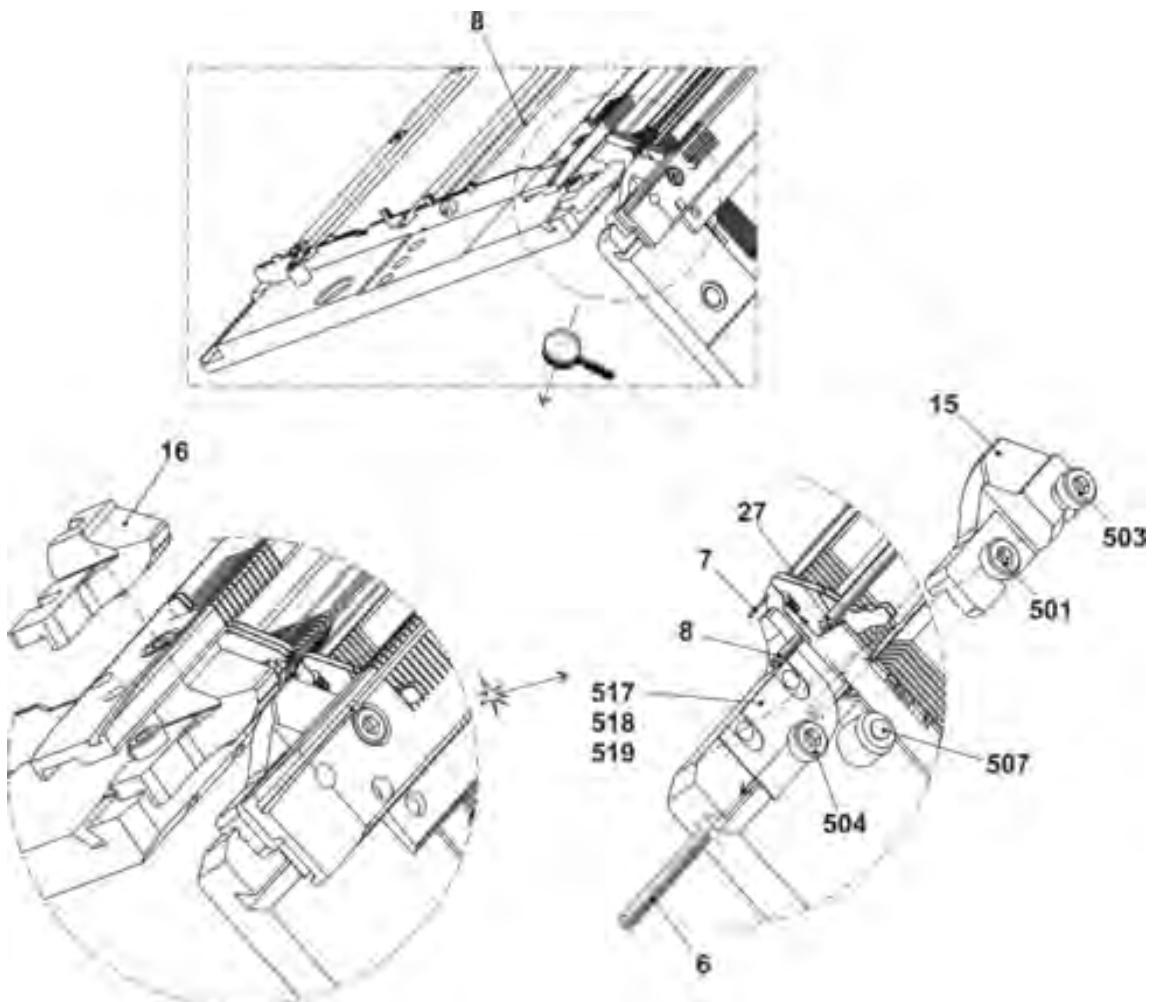
4.7 Needle bed E7.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E7.2	258 482			
1	Needle bed at the front + rear E14	258 456	19	Cover rail	250 575
2	Holding-down jack bed at the front E7.2	250 919	20	Cover rail	250 576
3	Holding-down jack bed at the rear E7.2	250 920	23	Needle bar on the left at the front	237 835
4	Main trick wall E14	260 344	24	Needle bar rear on the right	237 836
5	Pressure slide E12-14	252 040	25	Bush	206 090
8	Spring steel wire ø2,0	207 269	27	Stop screw	235 244
9a	Needle E7.2	225 230	30	Needle bar on the left at the rear	253 908
9b	Coupling part E14	253 383	31	Needle bar on the right at the rear	253 910
11	Intermediate slider with brake E14	255 536	502	Cap screw M5x8	023 379
12	Selection jack with spring E14	224 725	503	Cap screw M5x22	023 193
13	Knock-over bit	256 912	505	Setscrew M3,5x3-1	020 512
14	Holding-down jack trick wall E7.2	258 396	42*	Disk brush	202 600
17	Cover rail at the rear	250 572	43*	Adjusting bolt	251 772
18	Cover rail at the front E14	250 571	540*	Cap screw M5x12	020 032



4.7.1 Continuation needle bed E7.2

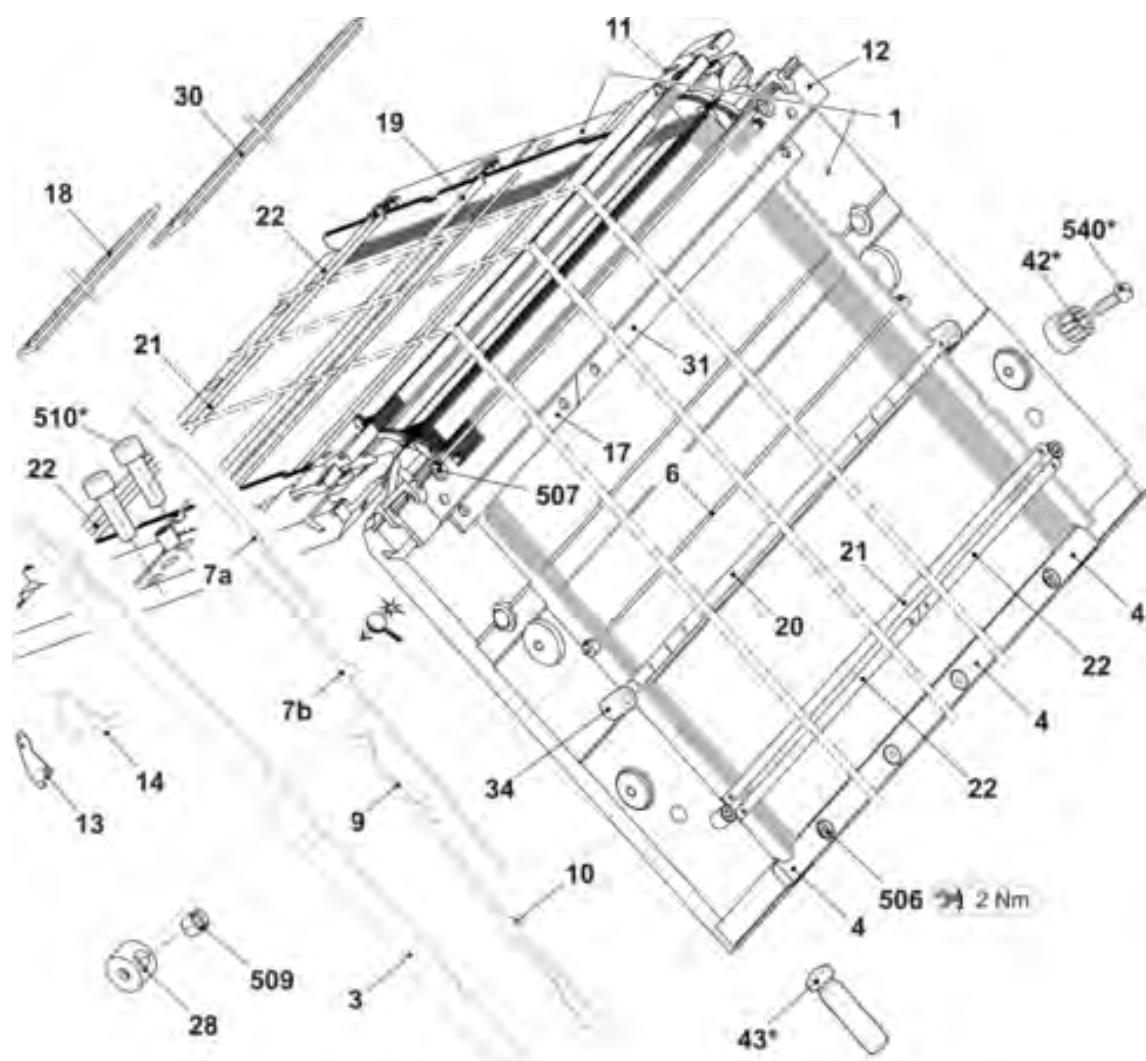
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E7.2	258 482	501	Cap screw M5x8-8.8	023 154
6	Locating wire ø3,4	208 389	503	Cap screw M5x22	023 193
7	Spring steel wire ø0,6	208 388	504	Cap screw M5x12-8.8	022 943
8	Spring steel wire ø2,0	207 269	507	Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764	510	Shim 0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765	511	Shim 0,1x18,5x34	023 197
27	Locating wire ø2,8	207 270	512	Shim 0,2x18,5x34	023 253



4.8 Needle bed E8.2

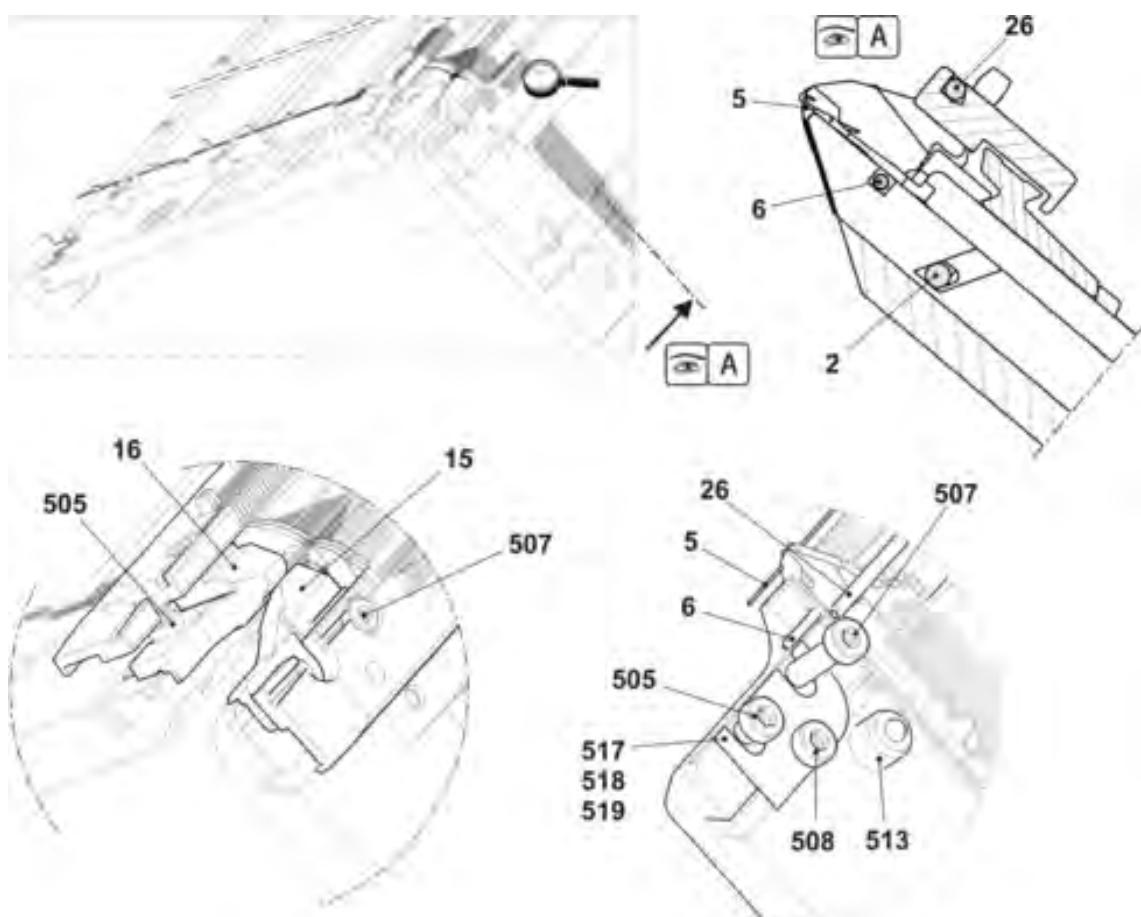
4.8 Needle bed E8.2

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E8.2	258 483	19	Cover rail at the rear	250 572
1	Needle bed at the front + rear E16	258 457	20	Cover rail at the front E16	250 587
3	Main trick wall E16	245 319	21	Cover rail	250 575
4	Pressure slide E12-14	252 040	22	Cover rail	250 576
6	Spring steel wire ø2,0	207 269	28	Bush	206 090
7a	Needle E16	232 243	30	Needle bar on the left at the rear	253 908
7b	Coupling part E16-18	253 384	31	Needle bar on the right at the rear	253 910
9	Intermediate slider with brake E16-18	255 537	34	Stop screw	235 244
10	Selection jack E16-20	222 265	506	Cap screw M4-M5x8	023 379
11	Holding-down jack bed at the rear E16	250 549	507	Cap screw M5x22	023 193
12	Holding-down jack bed at the front E16	250 548	509	Setscrew M3,5x3-1	020 512
13	Knock-over bit E8.2	261 865	42*	Disk brush ø12	202 600
14	Holding-down jack E16	264 106	43*	Adjusting bolt	251 772
17	Needle bar on the left at the front	237 835	510*	Cap screw M8x25	020 142
18	Needle bar rear on the right	237 836	540*	Cap screw M5x12	020 032



4.8.1 Continuation needle bed E8.2

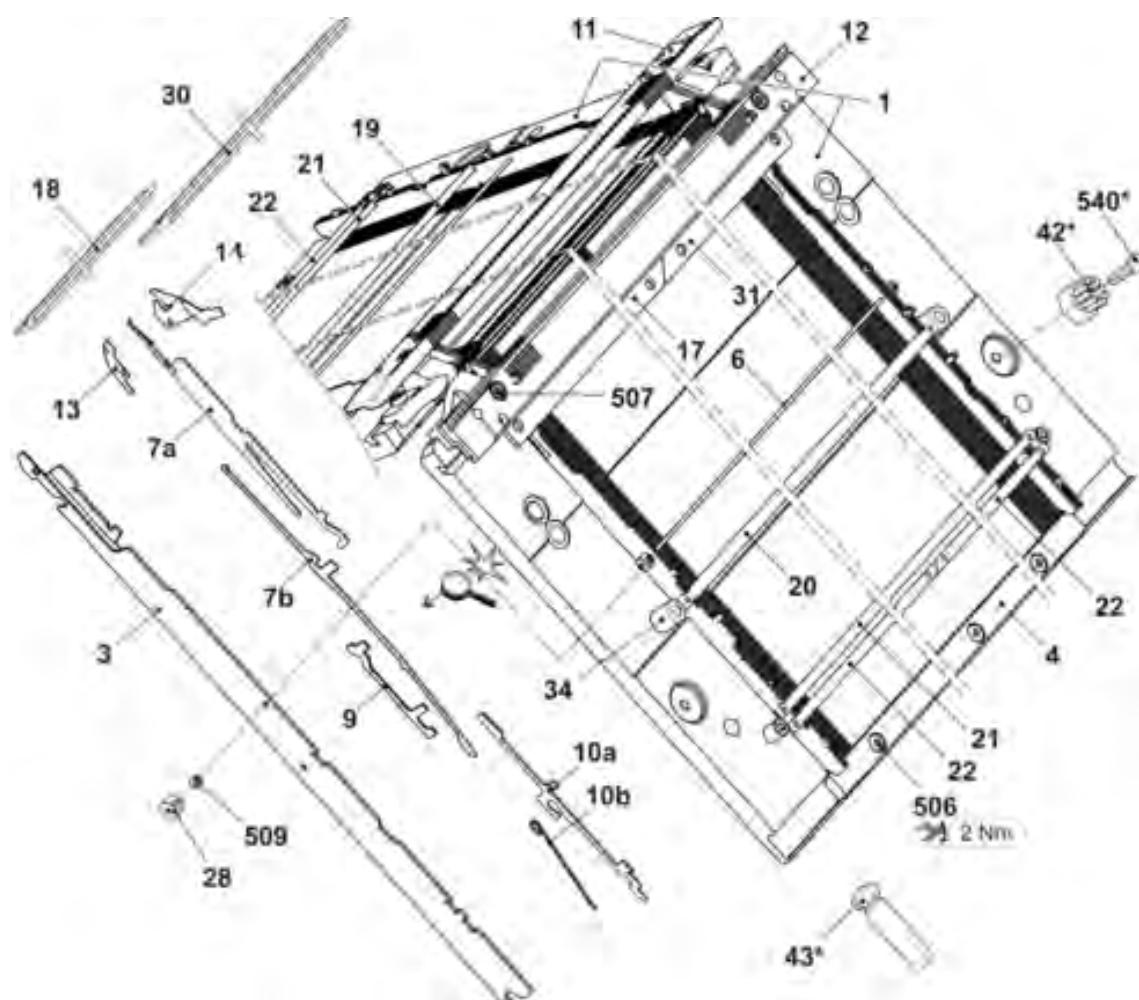
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear complete E8.2	258 483	505 507 508 513 517 518 519	Cap screw M5x8	023 154
2	Locating wire ø3,4	208 389		Cap screw M5x22	023 193
5	Spring steel wire ø0,5	250 690		Cap screw M5x12	022 943
6	Spring steel wire ø2,0	207 269		Springy thrust piece	023 177
15	Limiter on the left E16-20	220 821		Shim 0,05x18,5x34	023 196
16	Limiter on the right E16-20	220 822		Shim 0,1x18,5x34	023 197
26	Locating wire ø2,8	256 860		Shim 0,2x18,5x34	023 253



4.9 Needle bed E6.2(12m.10)

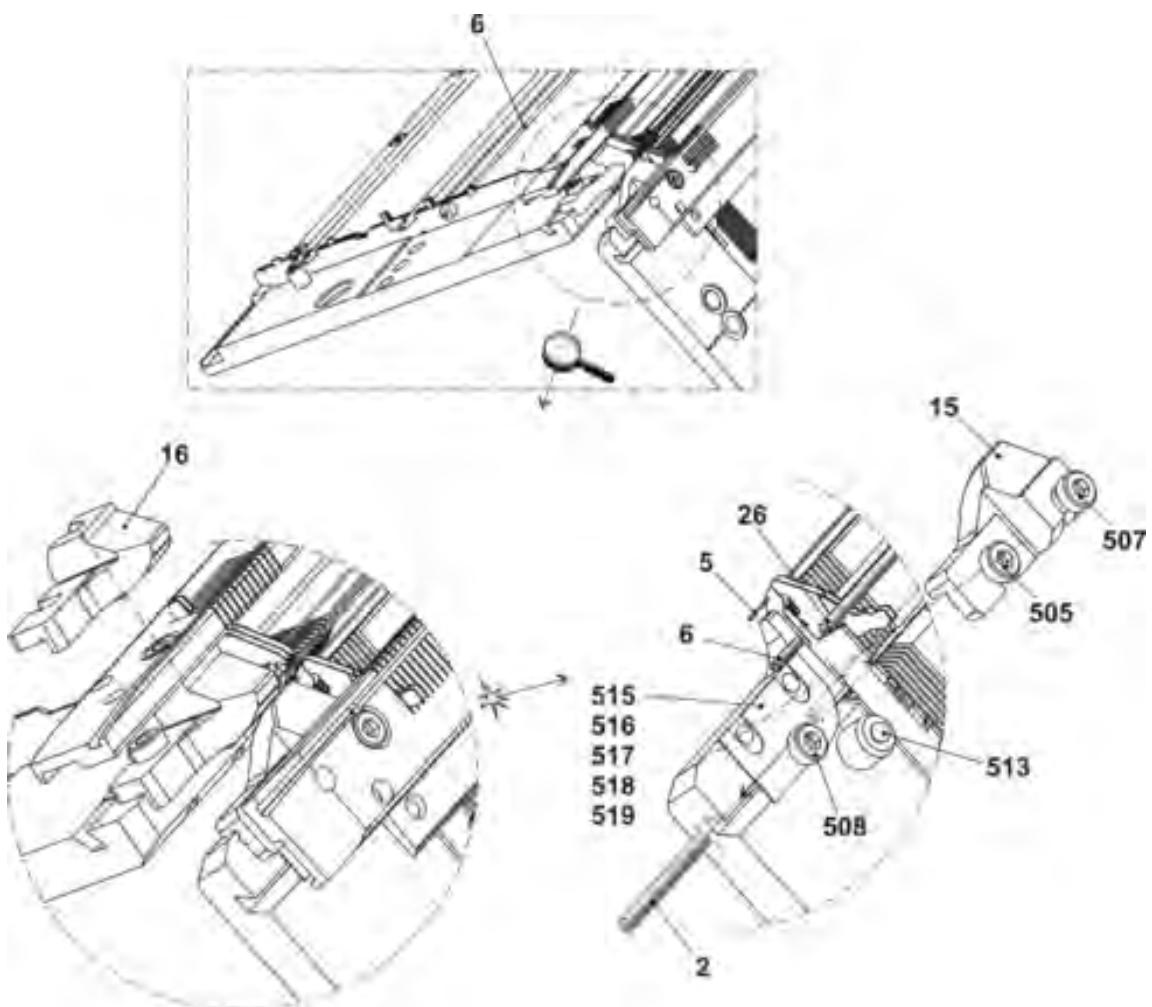
4.9 Needle bed E6.2(12m.10)

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E12m.10	258 479	18	Needle bar rear on the right	237 836
1	Needle bed at the front + rear E12	258 455	19	Cover rail at the rear	250 572
3	Main trick wall E12	260 343	20	Cover rail at the front E12	250 593
4	Pressure slide E12-14	252 040	21	Cover rail	250 575
6	Spring steel wire ø2,0	207 269	22	Cover rail	250 576
7a	Needle E10 with round hook	205 398	28	Bush	206 090
7b	Coupling part E10 - E12	253 382	30	Needle bar on the left at the rear	253 908
9	Intermediate slider with brake E10-12	255 608	31	Needle bar on the right at the rear	253 910
10a	Selection jack E10-12	200 688	34	Stop screw	235 244
10b	Selector spring E10-12	200 691	506	Cap screw M5x8	023 379
11	Holding-down jack bed at the rear E12	250 545	507	Cap screw M5x22	023 193
12	Holding-down jack bed at the front E12	250 544	509	Setscrew M3,5x3-1	020 512
13	Knock-over bit E12	259 212	42*	Disk brush	202 600
14	Holding-down jack trick wall E12	259 213	43*	Adjusting bolt	251 772
17	Needle bar on the left at the front	237 835	540*	Cap screw M5x12	020 032



4.9.1 Continuation needle bed E6.2(12m.10)

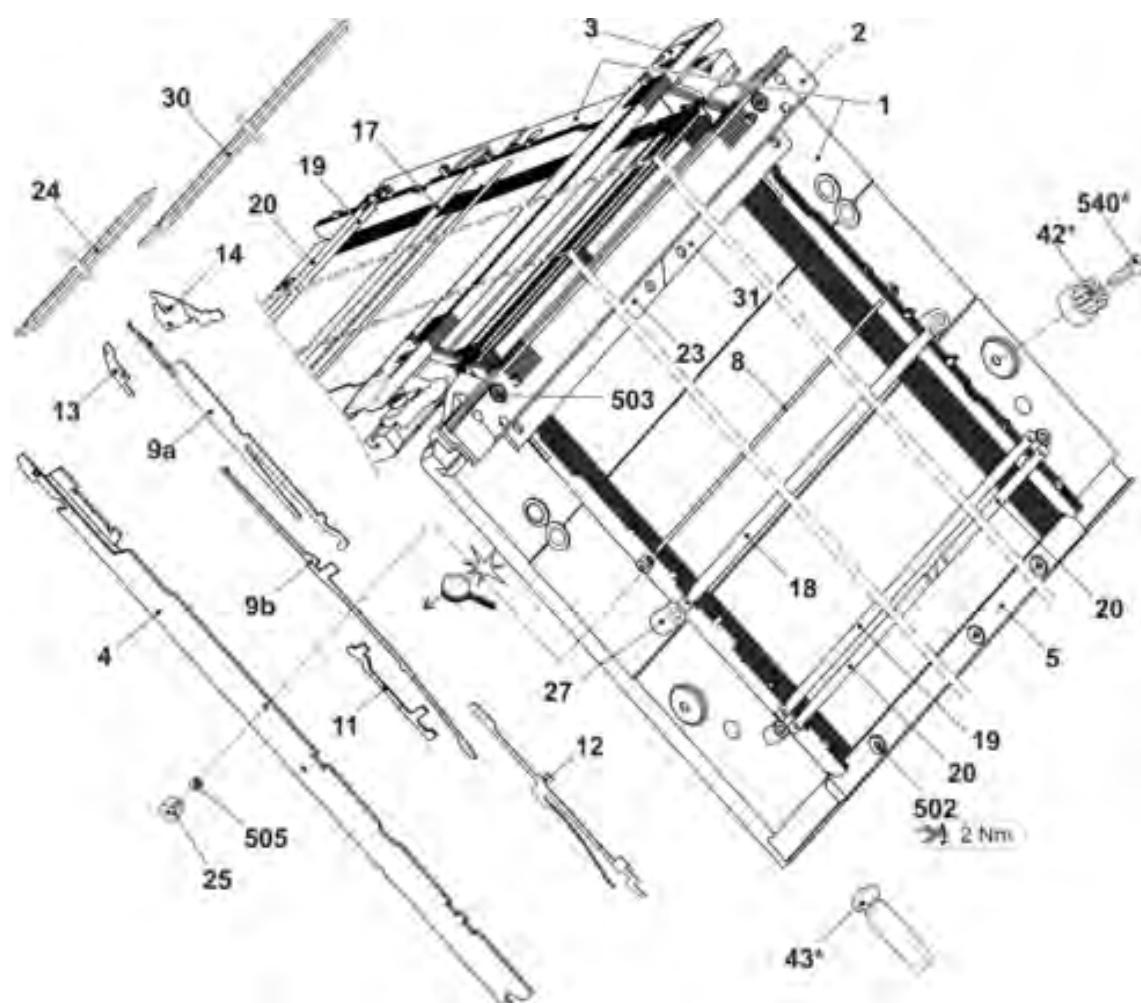
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E12m.10	258 479	505 507 508 513 517 518 519	Cap screw M5x8-8.8	023 154
2	Locating wire ø3,4	208 389		Cap screw M5x22	023 193
5	Spring steel wire ø0,6	208 388		Cap screw M5x12-8.8	022 943
6	Spring steel wire ø2,0	207 269		Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764		Shim0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765		Shim0,1x18,5x34	023 197
26	Locating wire ø2,8	207 270		Shim0,2X18,5X34	023 253



4.10 Needle bed E7.2(14/12)

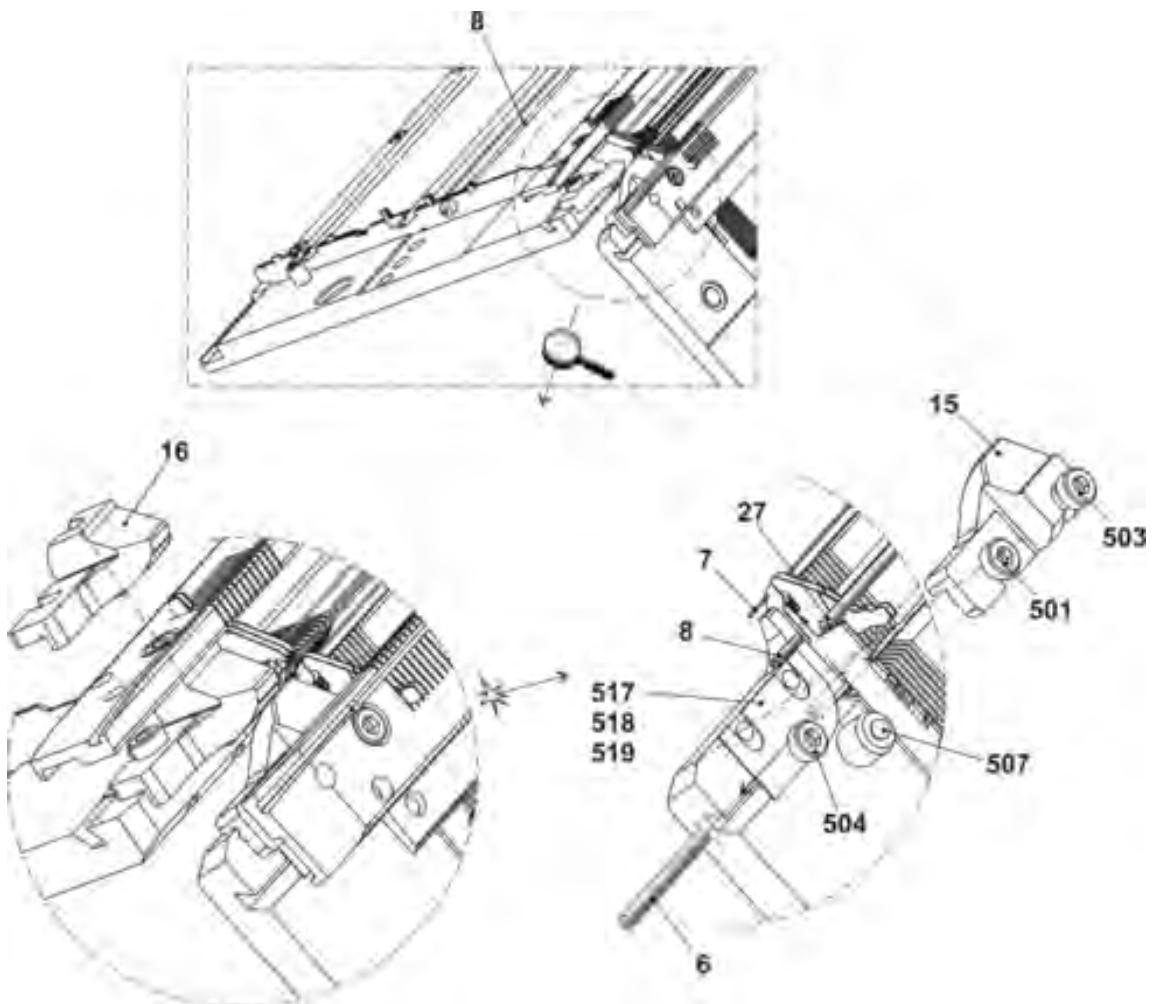
4.10 Needle bed E7.2(14/12)

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E14/12	258 480			
1	Needle bed at the front + rear E14	258 456	19	Cover rail	250 575
2	Holding-down jack bed at the front E14	250 546	20	Cover rail	250 576
3	Holding-down jack bed at the rear E14	250 547	23	Needle bar on the left at the front	237 835
4	Main trick wall E14	260 344	24	Needle bar rear on the right	237 836
5	Pressure slide E12-14	252 040	25	Bush	206 090
8	Spring steel wire ø2,0	207 269	27	Stop screw	235 244
9a	Needle E14/12	227 756	30	Needle bar on the left at the rear	253 908
9b	Coupling part E14	253 383	31	Needle bar on the right at the rear	253 910
11	Intermediate slider with brake E14	255 536	502	Cap screw M4-M5x8	023 379
12	Selection jack with spring E14	224 725	503	Cap screw M5x22	023 193
13	Knock-over bit E14	209 649	505	Setscrew M3,5x3-1	020 512
14	Holding-down jack trick wall E14	235 262	42*	Disk brush	202 600
17	Cover rail at the rear	250 572	43*	Adjusting bolt	251 772
18	Cover rail at the front E14	250 571	540*	Cap screw M5x12	020 032



4.10.1 Continuation needle bed E7.2(14/12)

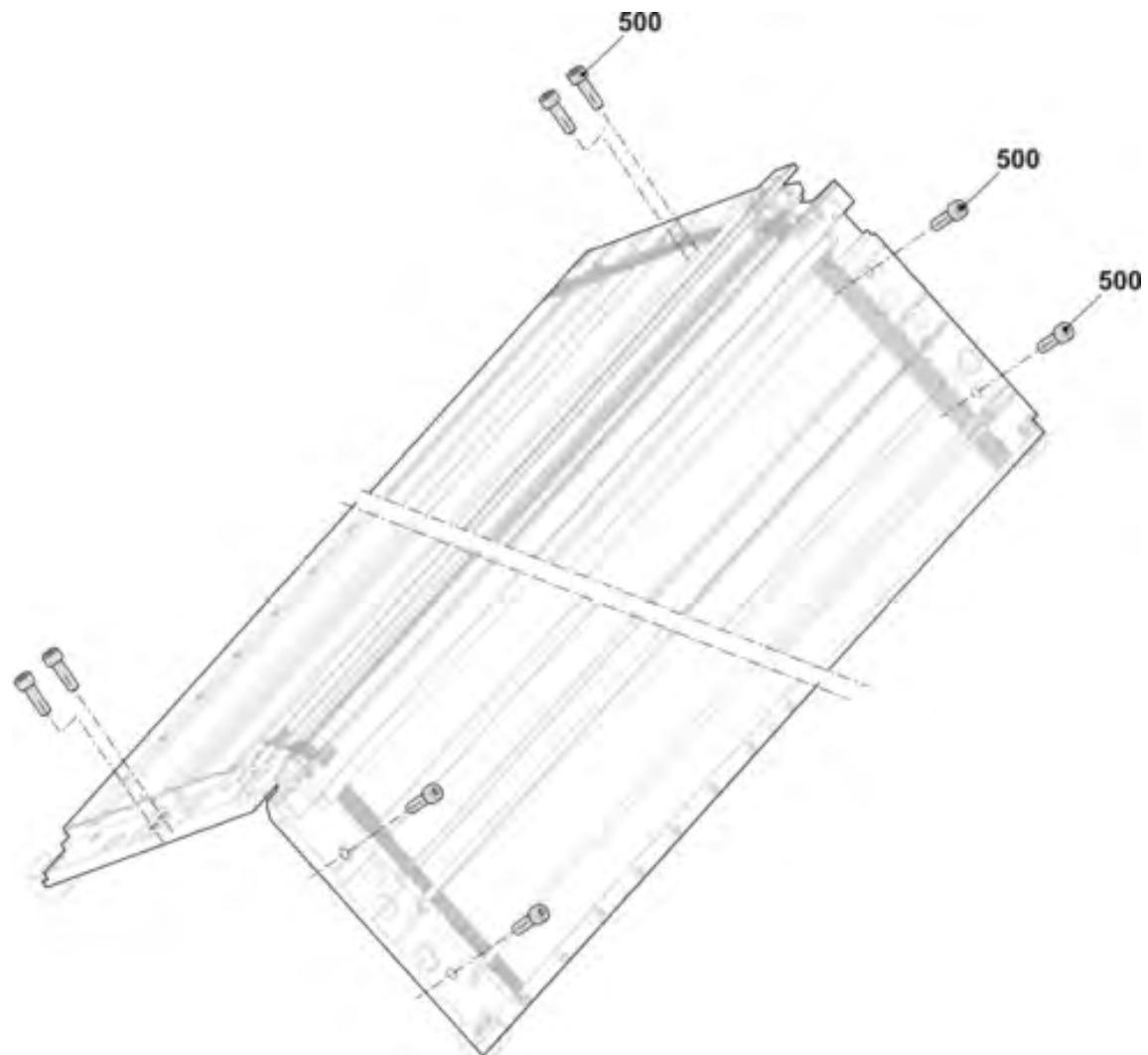
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Needle bed complete at the front and rear E14/12	258 480	501	Cap screw M5x8-8.8	023 154
6	Locating wire ø3,4	208 389	503	Cap screw M5x22	023 193
7	Spring steel wire ø0,6	208 388	504	Cap screw M5x12-8.8	022 943
8	Spring steel wire ø2,0	207 269	507	Springy thrust piece	023 177
15	Limiter on the left E10 - E14	205 764	510	Shim 0,05x18,5x34	023 196
16	Limiter on the right E10 - E14	205 765	511	Shim 0,1x18,5x34	023 197
27	Locating wire ø2,8	207 270	512	Shim 0,2x18,5x34	023 253



4.11 Needle beds, connection screws

4.11 Needle beds, connection screws

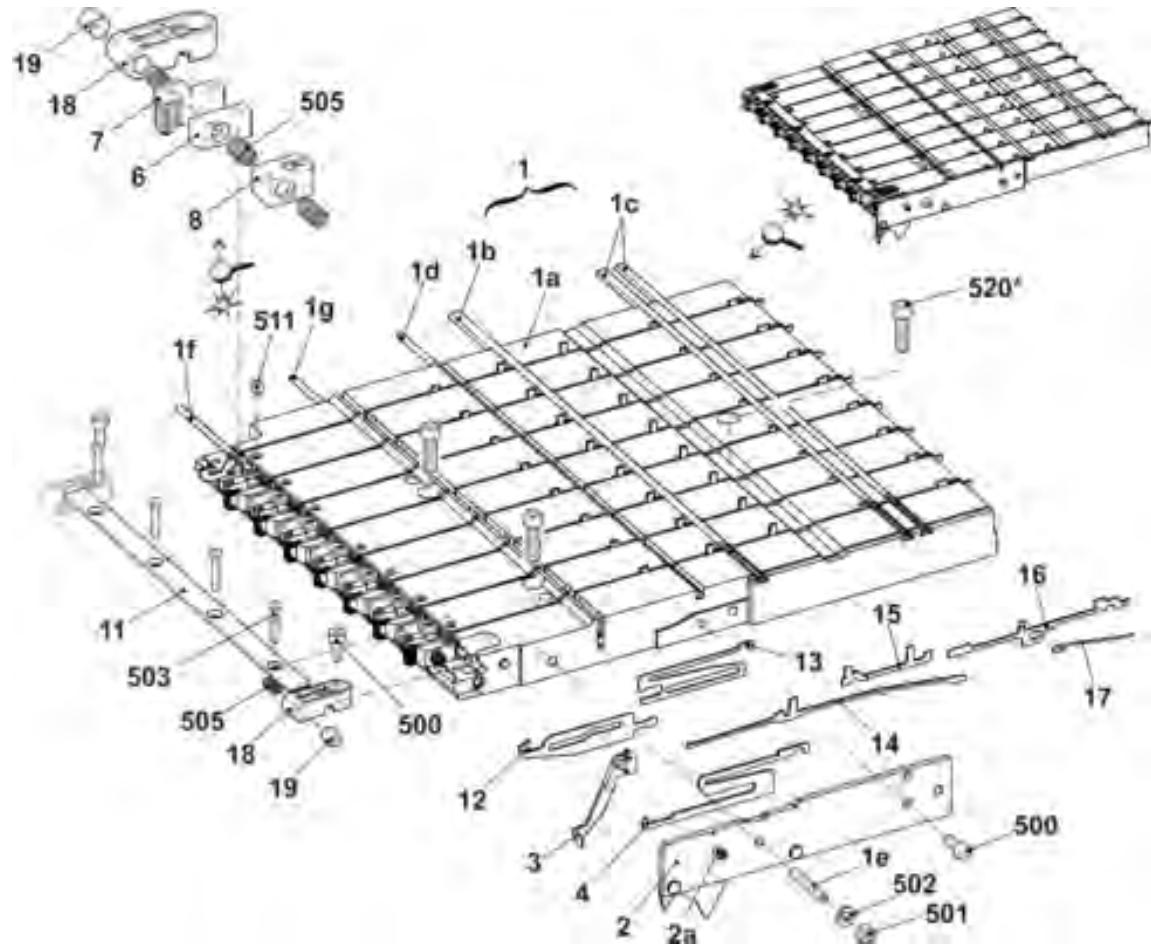
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Connection screws		500	Cap screw M8x25	020 142



4.12 Right clamping and cutting bed

E10|E12|E14|E6.2|E7.2|E6.2(E12m.10)|E14/12

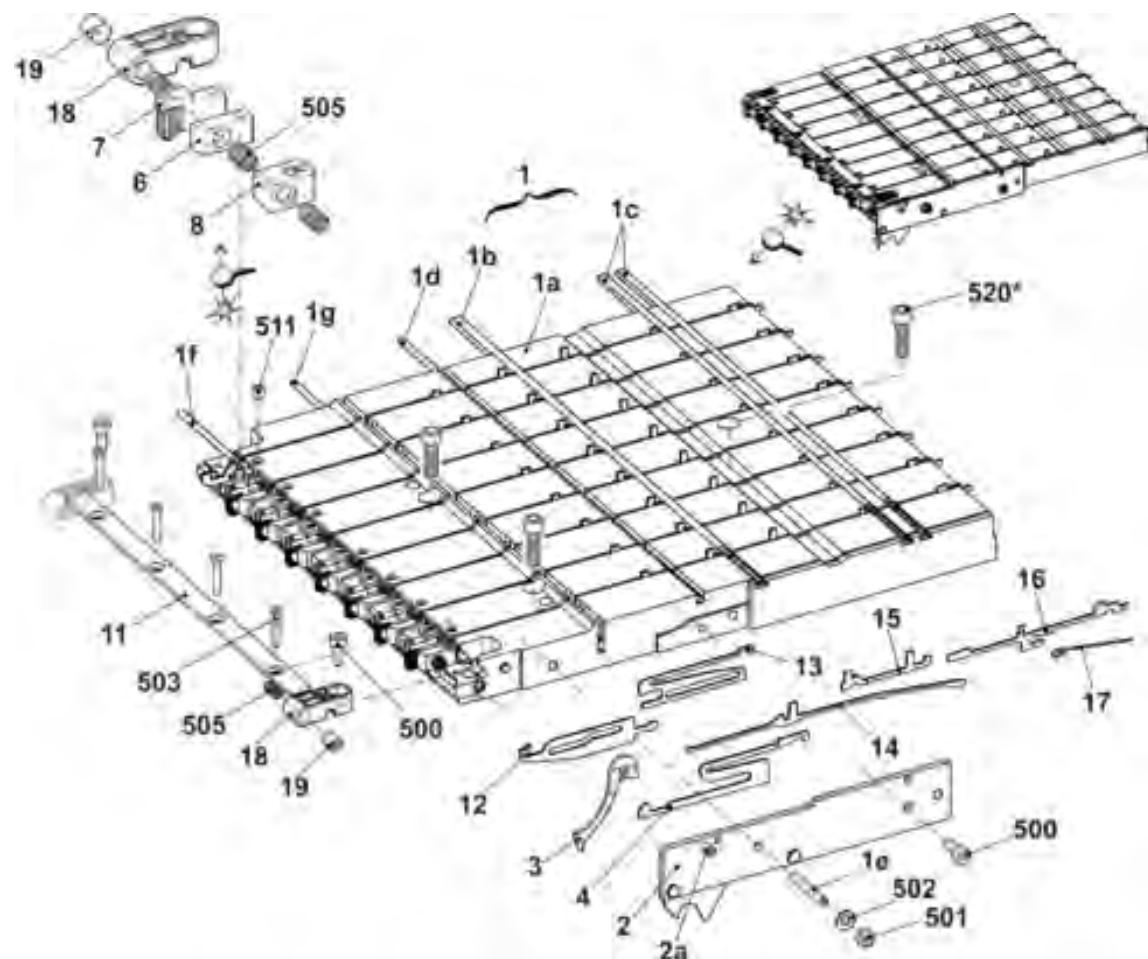
Pos	Designation	ID		Pos	Designation	ID
Σ	Clamping and cutting bed on the right E10-14	253 161		8	Intermediate piece	255 719
1	Guide plate EPT on the right E5-14	257 193		11	Holding strip	253 176
1a	Guide plate on the right E5-14	257 189		12	Catch needle on the right E5-14	255 692
1b	Cover rail	253 173		13	Intermediate cam E10-14	244 591
1c	Cover rail	253 174		14	Coupling part E5-8	253 381
1d	Locating wire	253 172		15	Intermediate slider with brake E5-8	255 534
1e	Guide pin	211 351		16	Selection jack E4-8	200 687
1f	Locating wire	253 171		17	Selector spring E4-8	200 690
1g	Locating wire	215 927		18	Spring holder	255 724
511	Setscrew M5x5	236 061		19	Threaded bolt	255 723
2	Cover on the right complete E5-14	260 966		500	Cap screw M4x10	023 136
2a	Springy thrust piece N4	260 235		501	Hexagon nut M4	023 046
3	Catch hook on the right complete E5-18	260 968		502	Washer4	020 870
4	Slider E5-14	258 050		503	Pan-head screw M3x18	242 728
6	Blade	243 948		505	Compression spring 07x4,3x12,1	023 521
7	Clamp on the right complete	244 602		520*	Cap screw M6x20	244 824



4.13 Right clamping and cutting bed E16 | E18 | E8.2

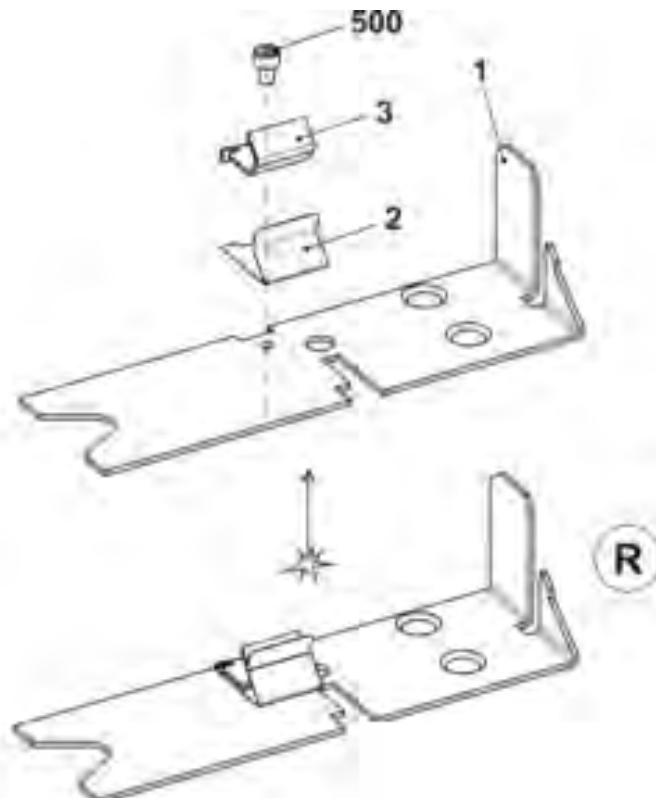
4.13 Right clamping and cutting bed E16 | E18 | E8.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Clamping and cutting bed on the right E16-18	253 163		8	Intermediate piece	255 719
1	Guide plate EPT on the right E16-18	257 195		11	Holding strip	253 176
1a	Guide plate on the right E16-18	257 191		12	Catch needle on the right E16-18	255 693
1b	Cover rail	253 173		13	Intermediate cam	244 741
1c	Cover rail	253 174		14	Coupling part E10-12	253 382
1d	Locating wire	253 172		15	Intermediate slider with brake E10-12	255 535
1e	Guide pin	211 351		16	Selection jack E10-12	200 688
1f	Locating wire	253 171		17	Selector spring E10-12	200 691
1g	Locating wire	215 927		18	Spring holder	255 724
511	Setscrew M5x5	236 061		19	Threaded bolt	255 723
2	Cover on the right complete E16-18	259 406		500	Cap screw M4x10	023 136
2a	Springy thrust piece	260 235		501	Hexagon nut M4	023 046
3	Catch hook on the right E10-18	259 310		502	Washer4	020 870
4	Slider E16-18	259 309		503	Pan-head screw M3x18	242 728
6	Blade	243 948		505	Compression spring 07x4,3x12,1	023 521
7	Clamp on the right complete	244 602		520*	Cap screw M6x20	244 824



4.14 Yarn brake at clamping and cutting bed

Pos	Designation	Id	Pos	Designation	Id
ΣR	Yarn brake on the right	256 715	2		
3	Cover on the right	256 714		Test clamping plate	256 713
1	Leaf spring	256 712		Cap screw M4x6	023 067



4.14 Yarn brake at clamping and cutting bed

Notes:

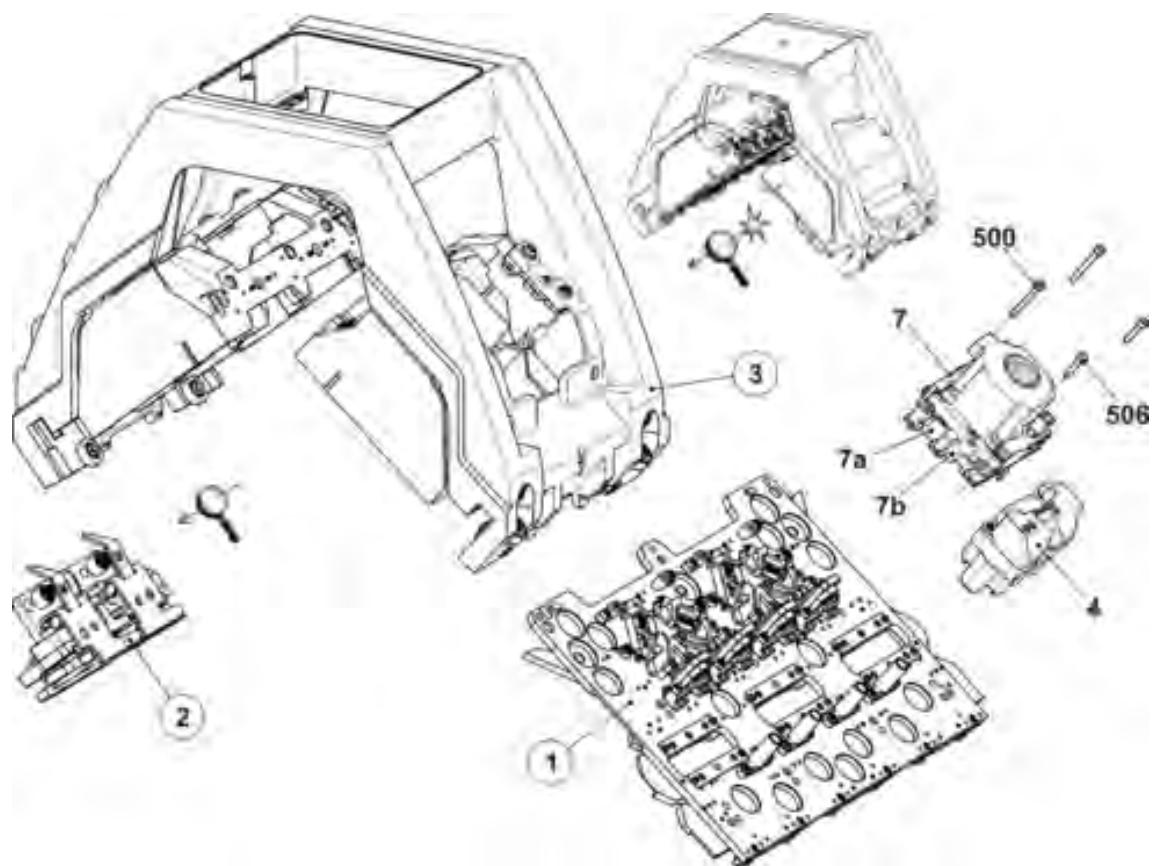
5 Carriage



5.1 Overview of carriage

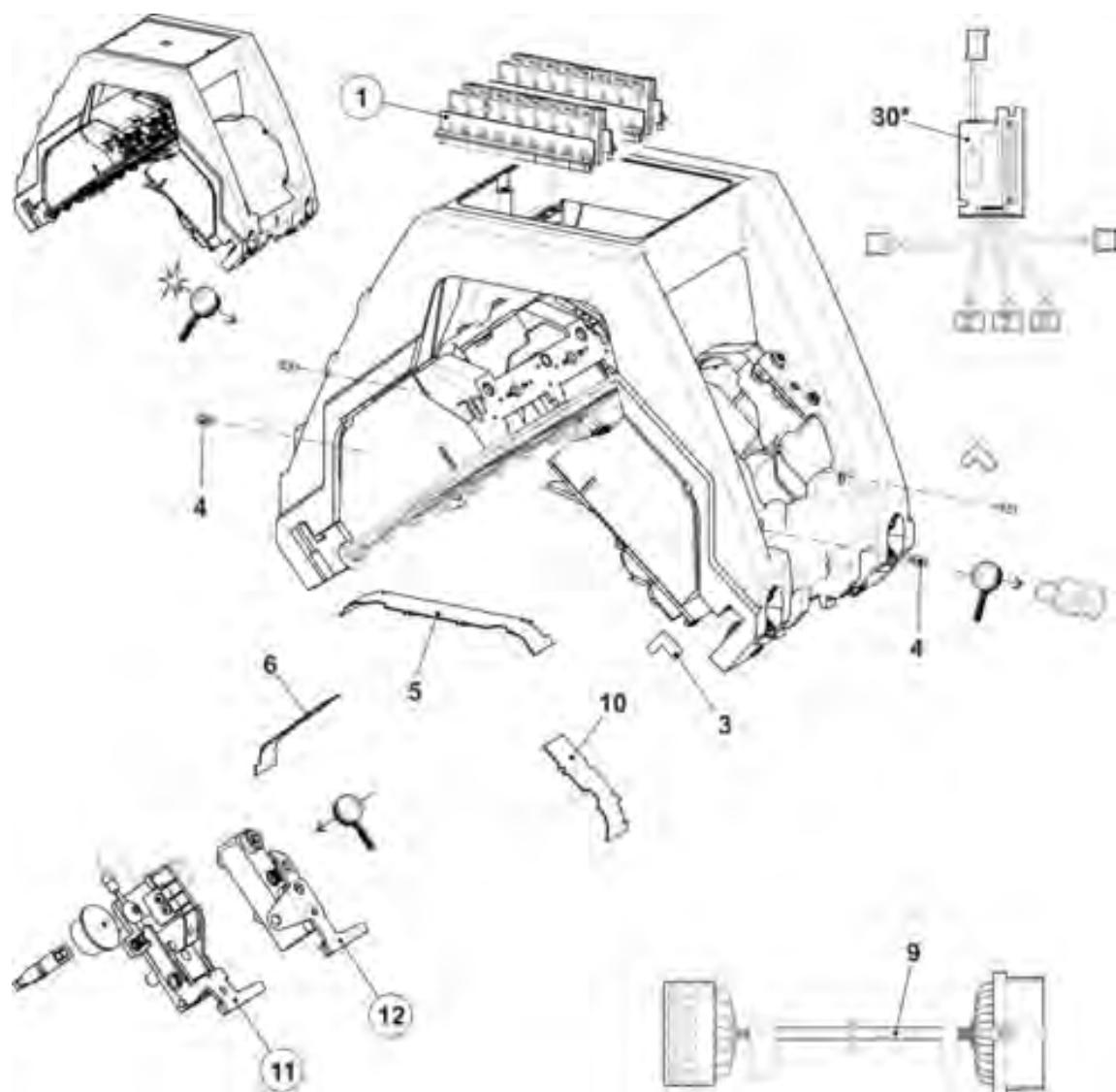
5.1 Overview of carriage

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Carriage complete		1	Cam box complete	
	E10	261 957		E10	259 255
	E12	258 467		E12	259 256
	E14 E14/12	258 468		E14 E14/12	259 257
	E16 E18	258 469		E16 E18	259 258
	E12m.10	258 470		E12m.10	259 259
	E6.2	258 472		E6.2	259 260
	E7.2	258 473		E7.2	259 261
	E8.2	258 474		E8.2	259 262
	Holding-down jack control complete E10	256 306		Selection system complete E14 (E7.2)	229 300
2	Holding-down jack control complete E12-14, 6.2	256 307	4	Selection system complete E16-18 (E8.2)	220 114
	Holding-down jack control complete E16-18	256 308		Motor unit ATM complete	251 827
	Holding-down jack control complete E7.2	256 309	7	Gear rack at the top complete	251 817
	Holding-down jack control complete E8.2	256 310	7a	Gear rack at the bottom complete	251 818
	Carriage assembly 2 cam boxes complete 5 inches 502	258 453	500	Cap screw M4x35	023 550
4	Selection system complete E10-12 (E6.2)	216 219	506	Cap screw M4x20	023 290



5.2 Overview of carriage, continuation

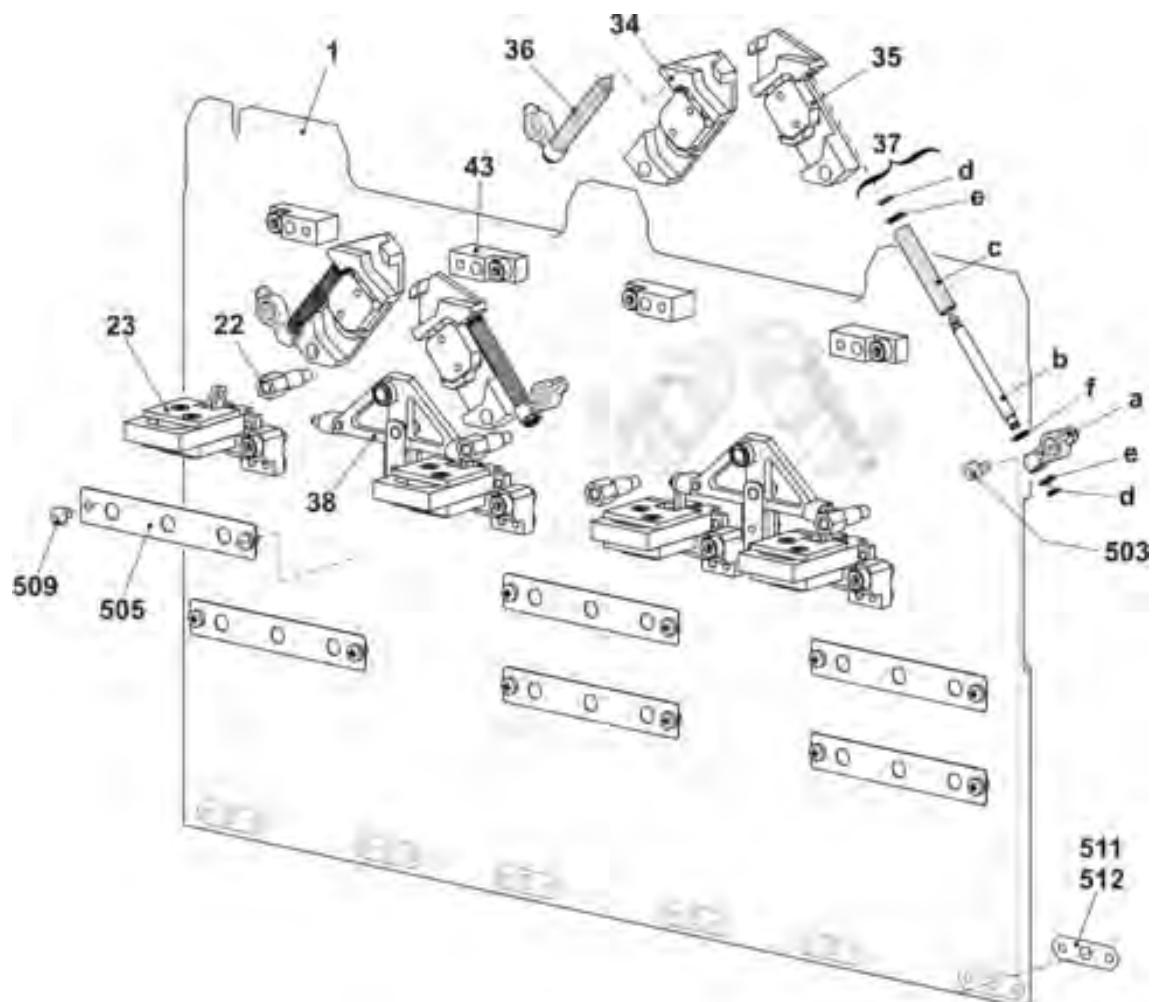
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Carriage complete			9	Cable connection YC output stage OKC	240 651
1	FF driving outside complete	241 080		10	Cover plate at the bottom	251 127
3	Wiper felt	241 411		11	Needle detector pre-assembled E10-18	256 475
4	Bolts	212 392		12	Sinker opener complete	256 623
5	Cover plate at the top	250 594		30*	Distributor 2S-5Z OKC3	255 695
6	Cover plate at the bottom	250 595				



5.3 Cam box E10

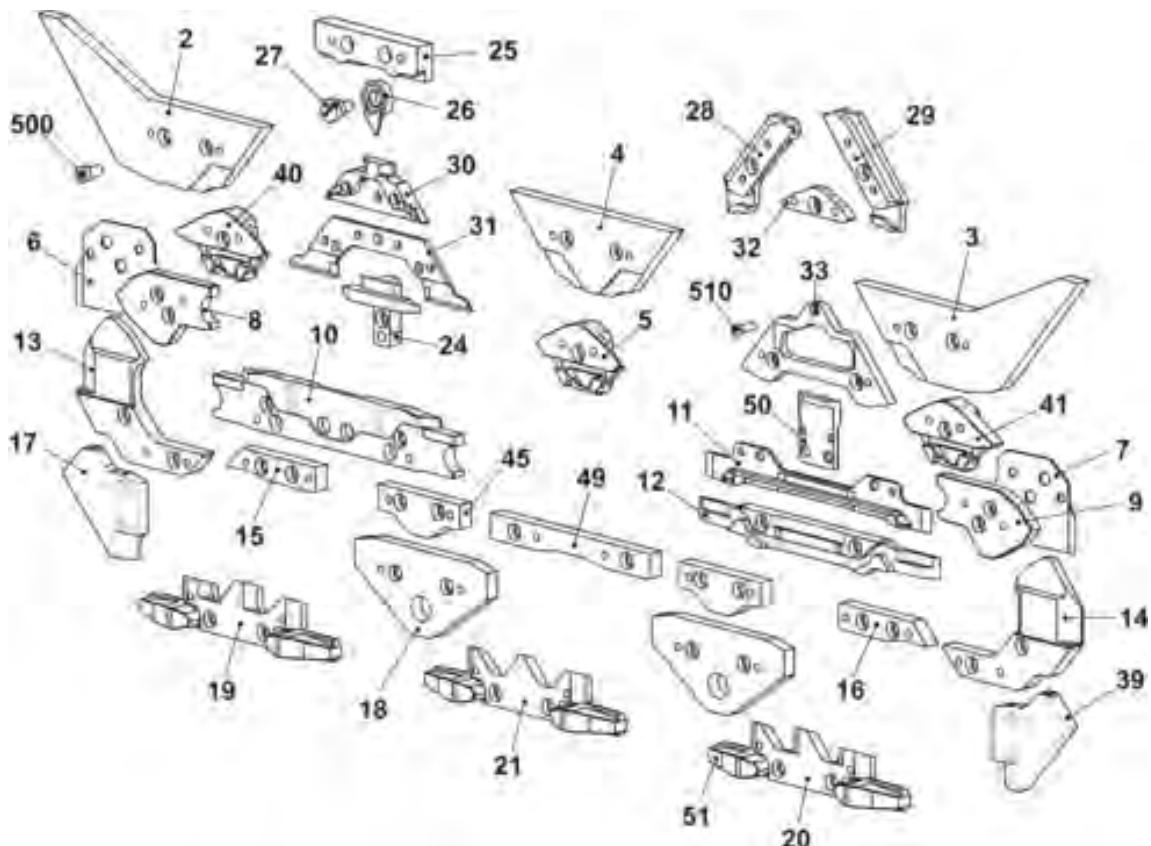
5.3 Cam box E10

Pos	Designation	ID	Pos	Designation	ID	
Σ	Cam box complete E10	259 255	37	d	Circlip	023 565
1	Cam plate E10-18	258 158		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 completeE10	254 246	43	Holding piece		251 828
35	Loop sinking cam on the right completeE10	254 247	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				



5.3.1 Cams E10

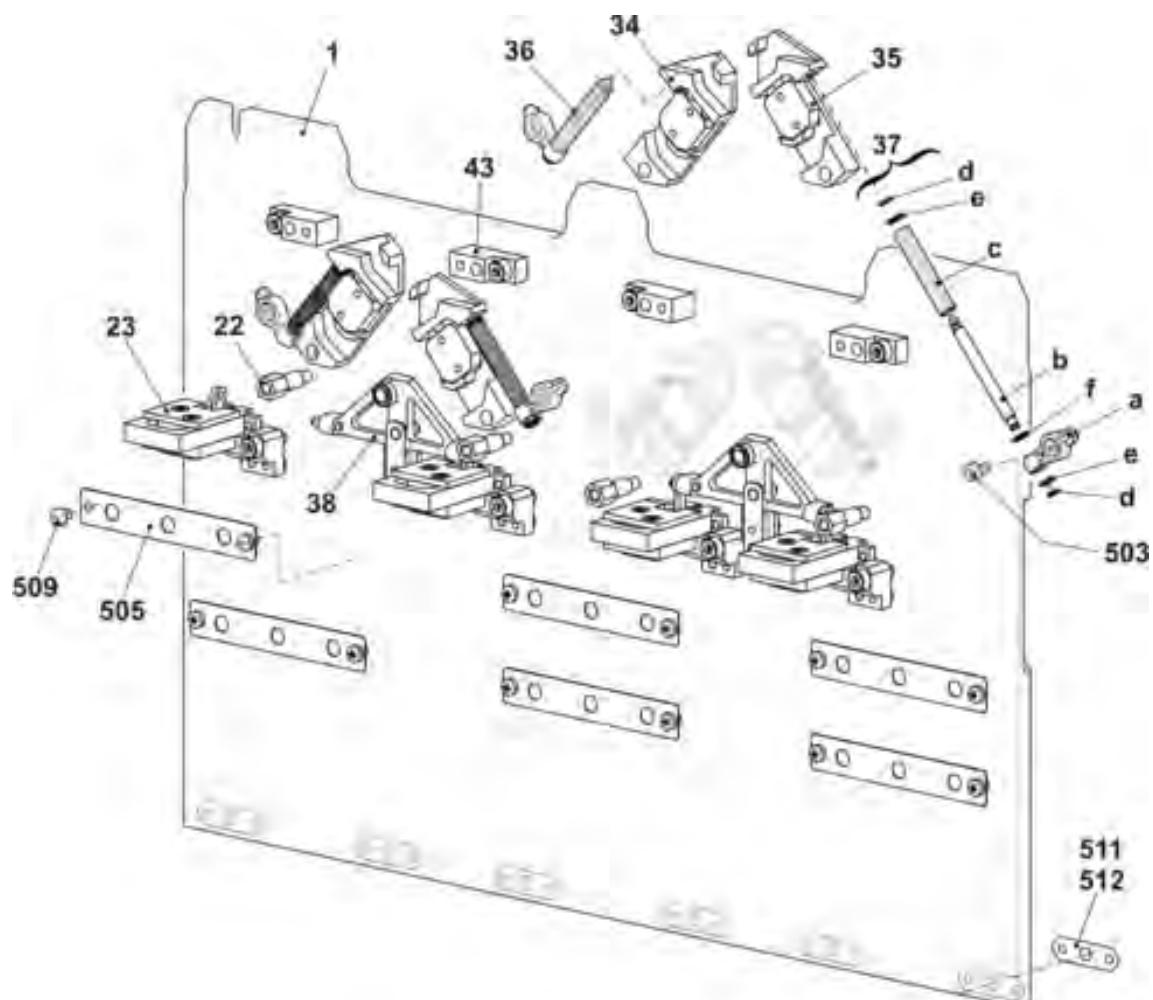
Pos	Designation	Id	Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690	24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	256 691	25	Limiting cam E10 E7.2	251 993
4	Entry cam at the top E10-18	256 689	26	Pointer E10	251 994
5	Knitting position cam E10-14 E6.2 E7.2	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



5.4 Cam box E12

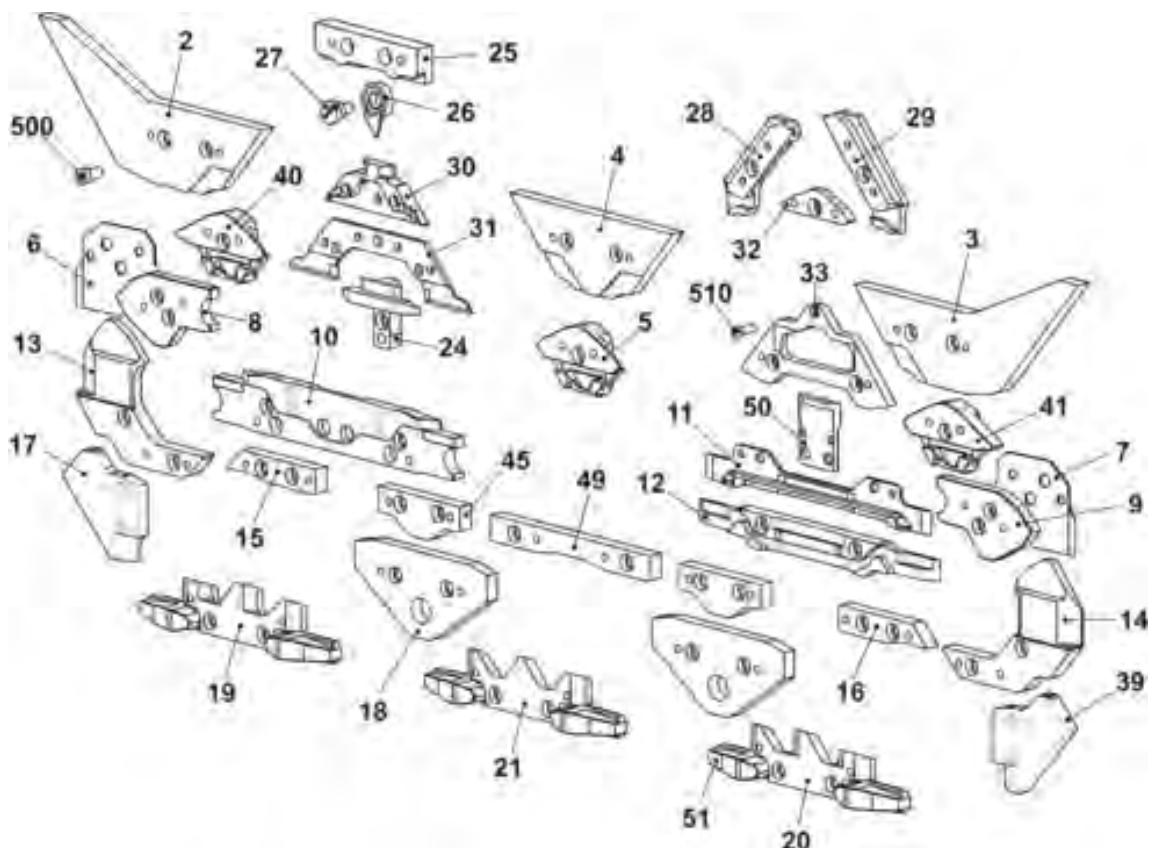
5.4 Cam box E12

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box set complete E12	259 256			
1	Cam plate E10-18	258 158	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 complete E12-14	254 248	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right complete E12-14	254 249	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	Shim 0,5x12x75	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



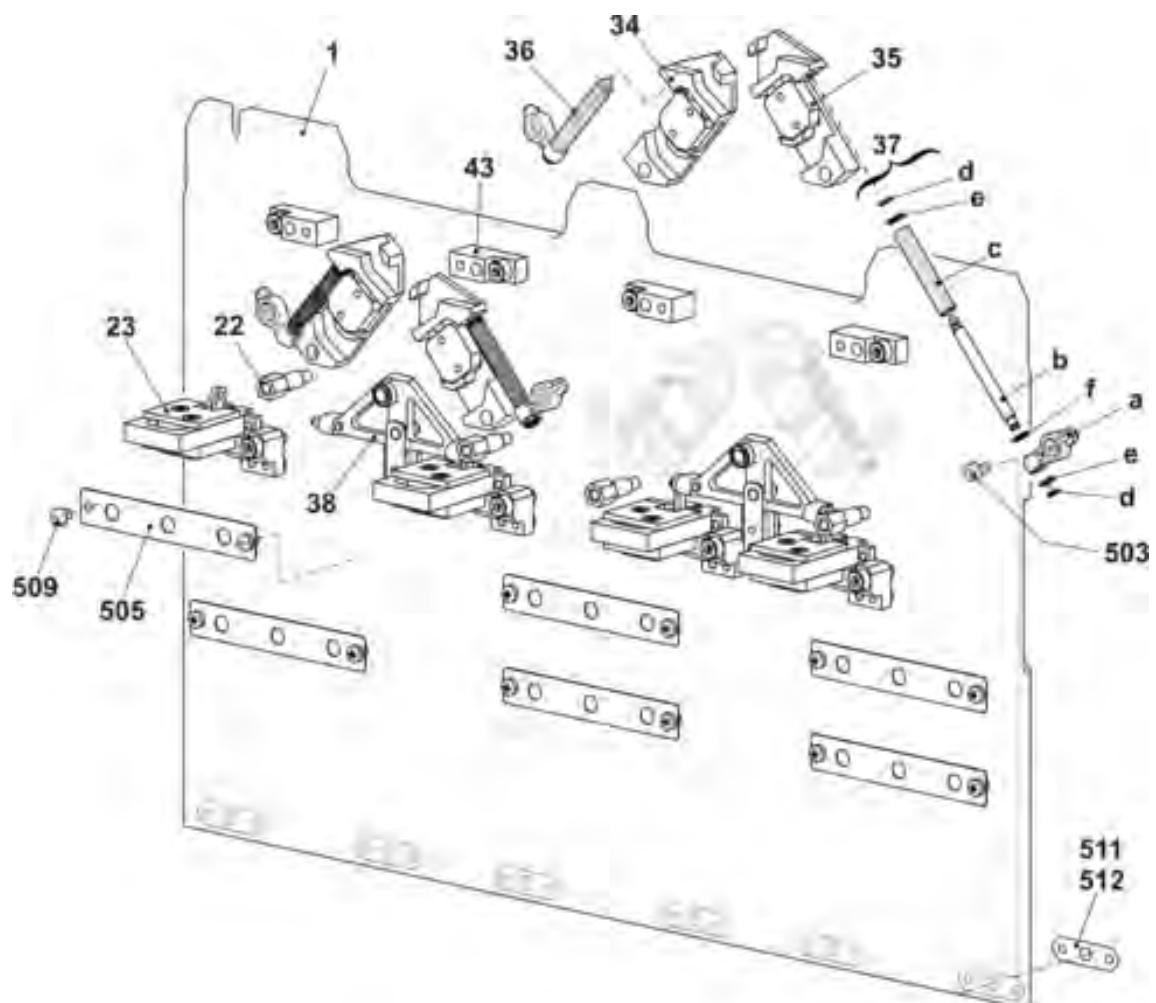
5.4.1 Cams E12

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



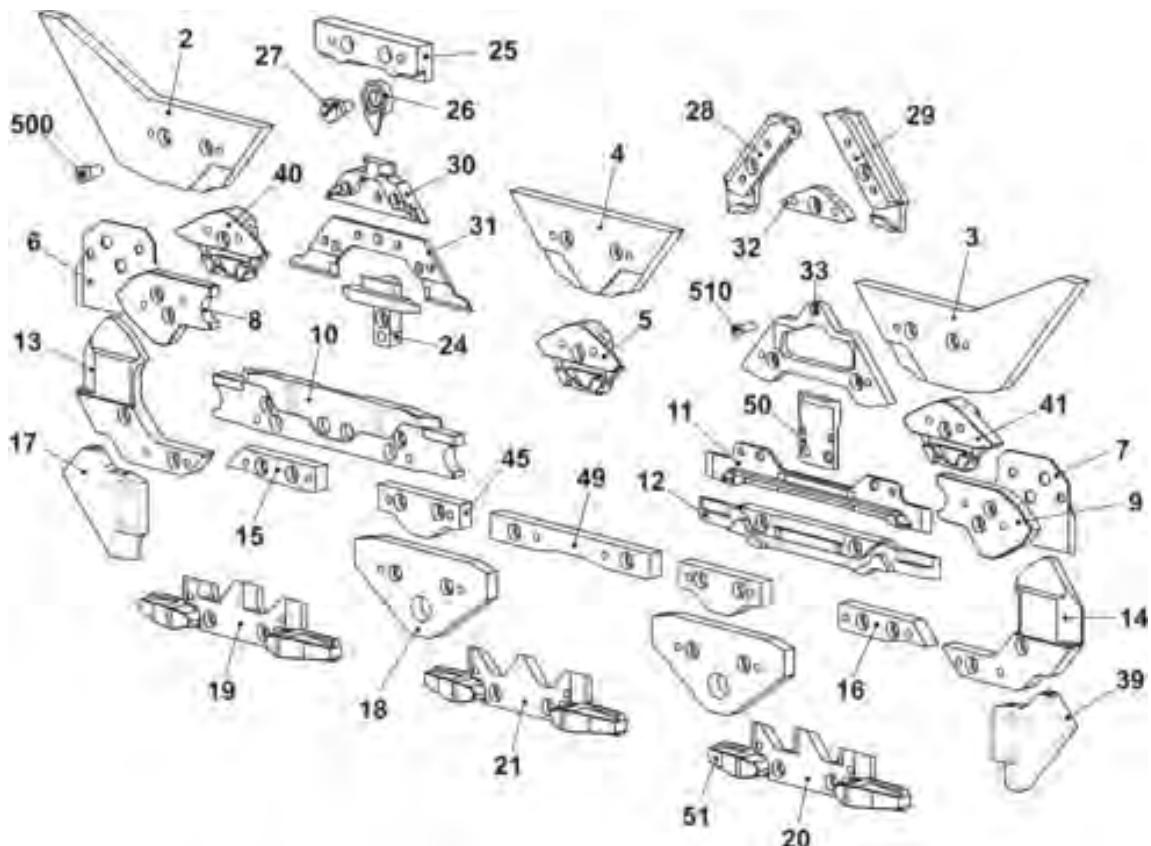
5.5 Cam box E14 | E14/12

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Cam box complete E14	259 257				
1	Cam plate E10-18	258 158		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 complete E12-14	254 248		38	Slider pressure part complete	251 834
35	Loop sinking cam on the right complete E12-14	254 249		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	Shim 0,5x12x75	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



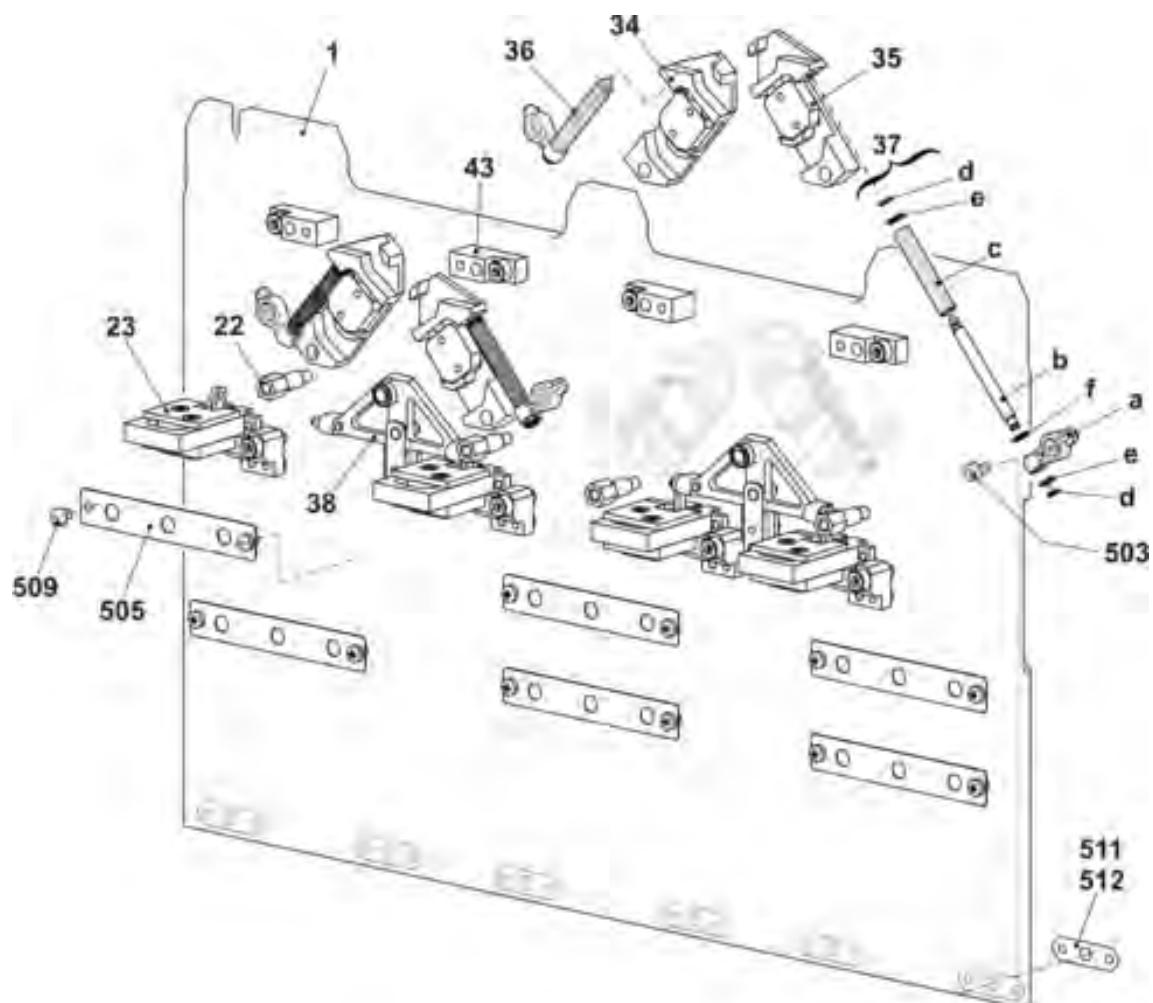
5.5.1 Cams E14 | E14/12

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



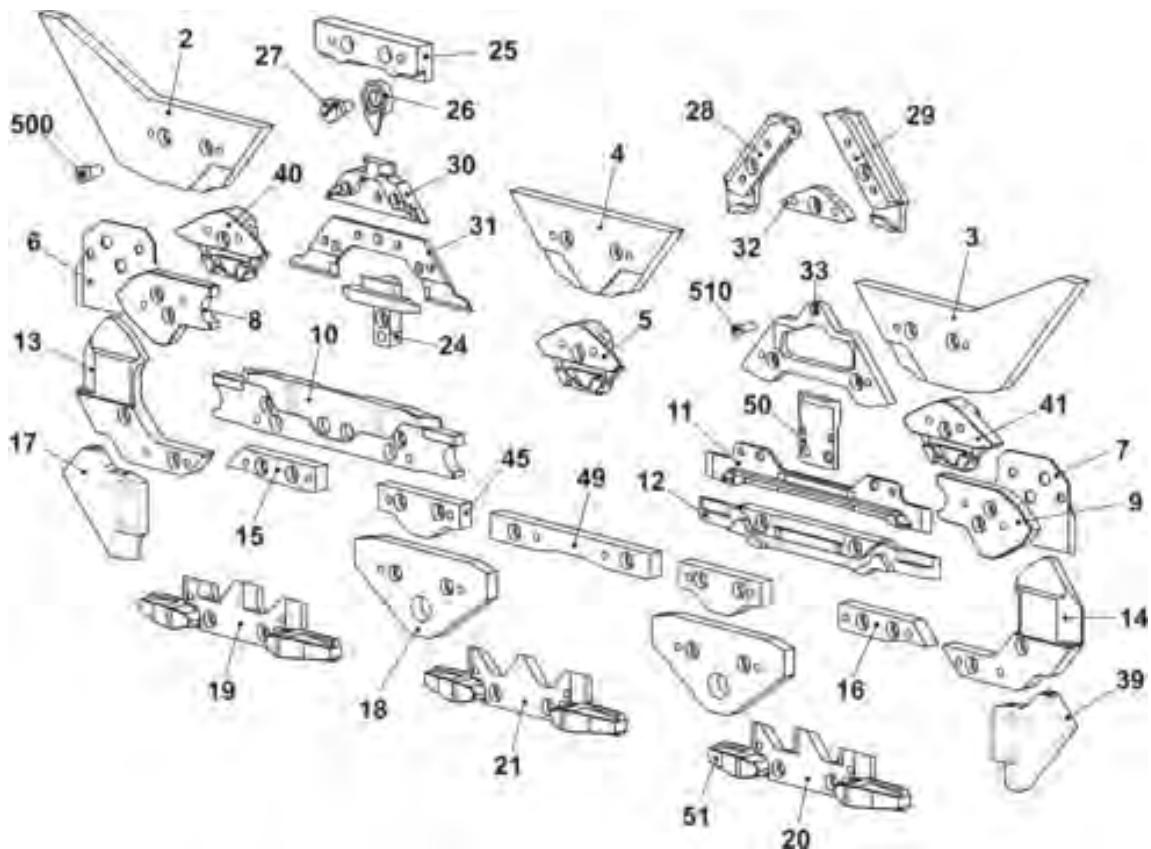
5.6 Cam box E16 | E18

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Cam box complete E16-E18	259 258				
1	Cam plate E10-18	258 158		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 complete E16-18	251 965		38	Slider pressure part complete	251 834
35	Loop sinking cam on the right complete E16-18	251 966		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	Shim 0,5x12x75	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



5.6.1 Cams E14 | E14/12

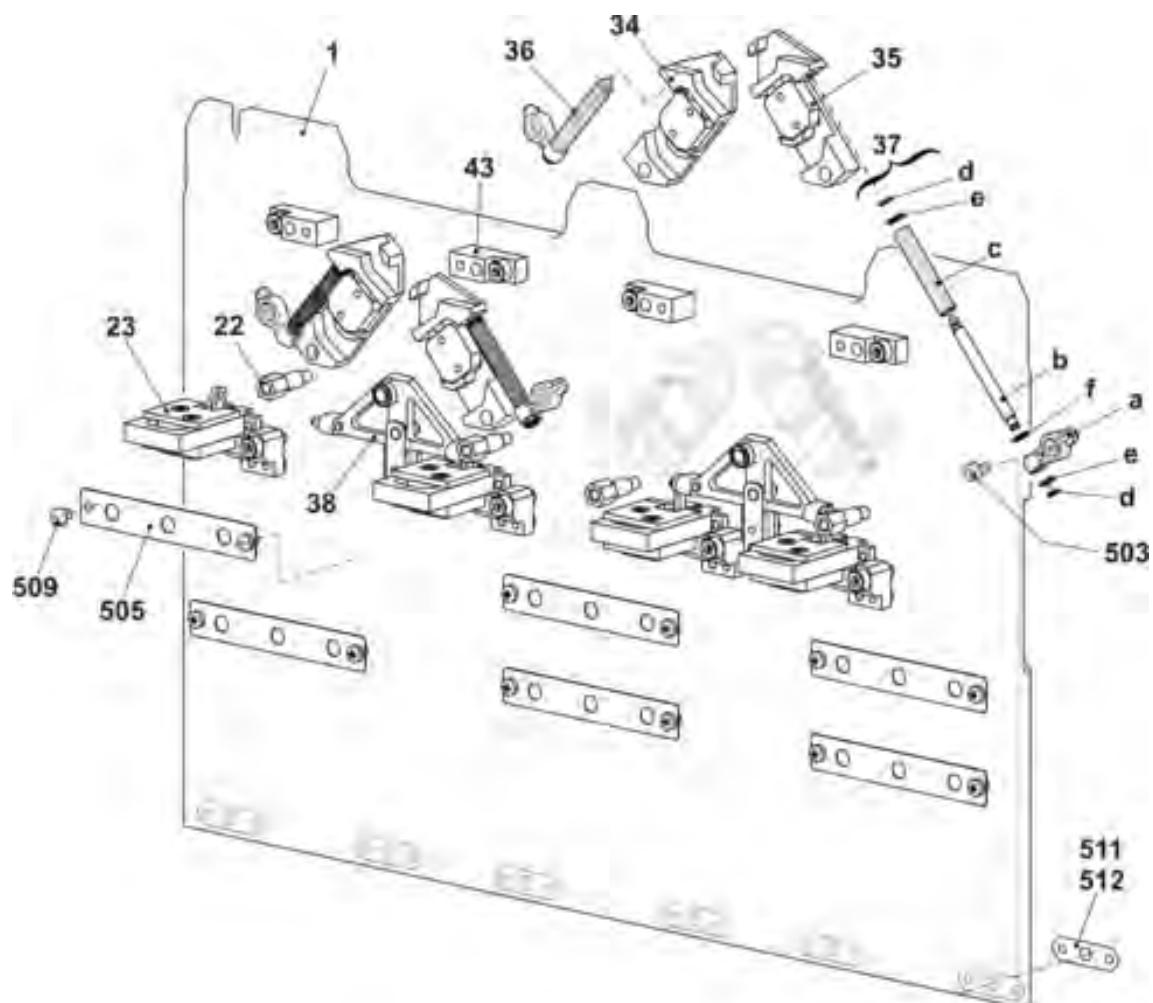
Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690		24	Tuck pressure part	253 828
3	Entry cam on the right at the top E10-18	256 691		25	Limiting cam E16-18	252 646
4	Entry cam at the top E10-18	256 689		26	Pointer E16-18	252 656
5	Knitting position cam E16-18 E8.2	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



5.7 Cam box E12m.10

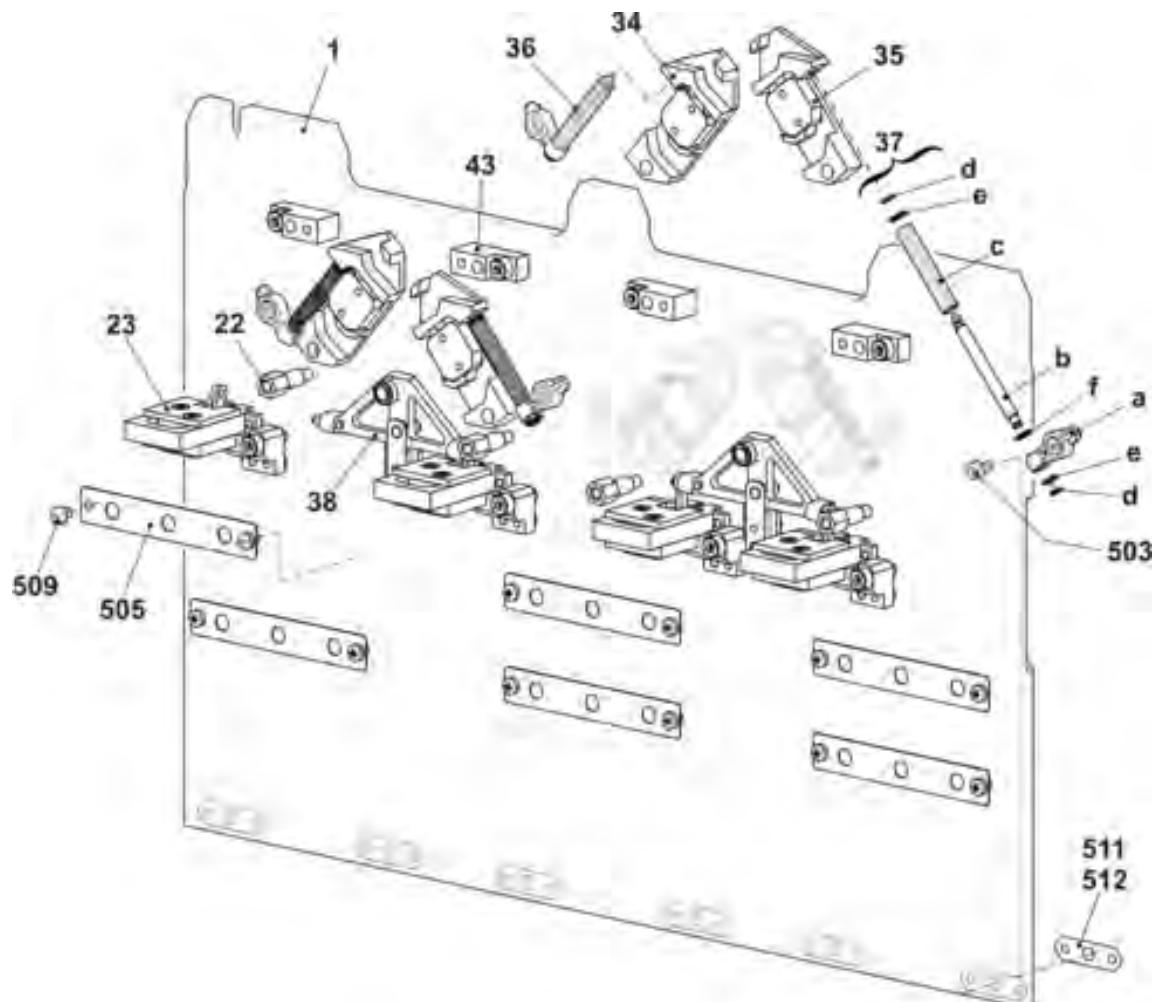
5.7 Cam box E12m.10

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box complete E12m.10	259 259			
1	Cam plate E10-18	258 158	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 complete E12-14	254 248	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right complete E12-14	254 249	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	Shim 0,5x12x75	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



5.8 Cam box E6.2

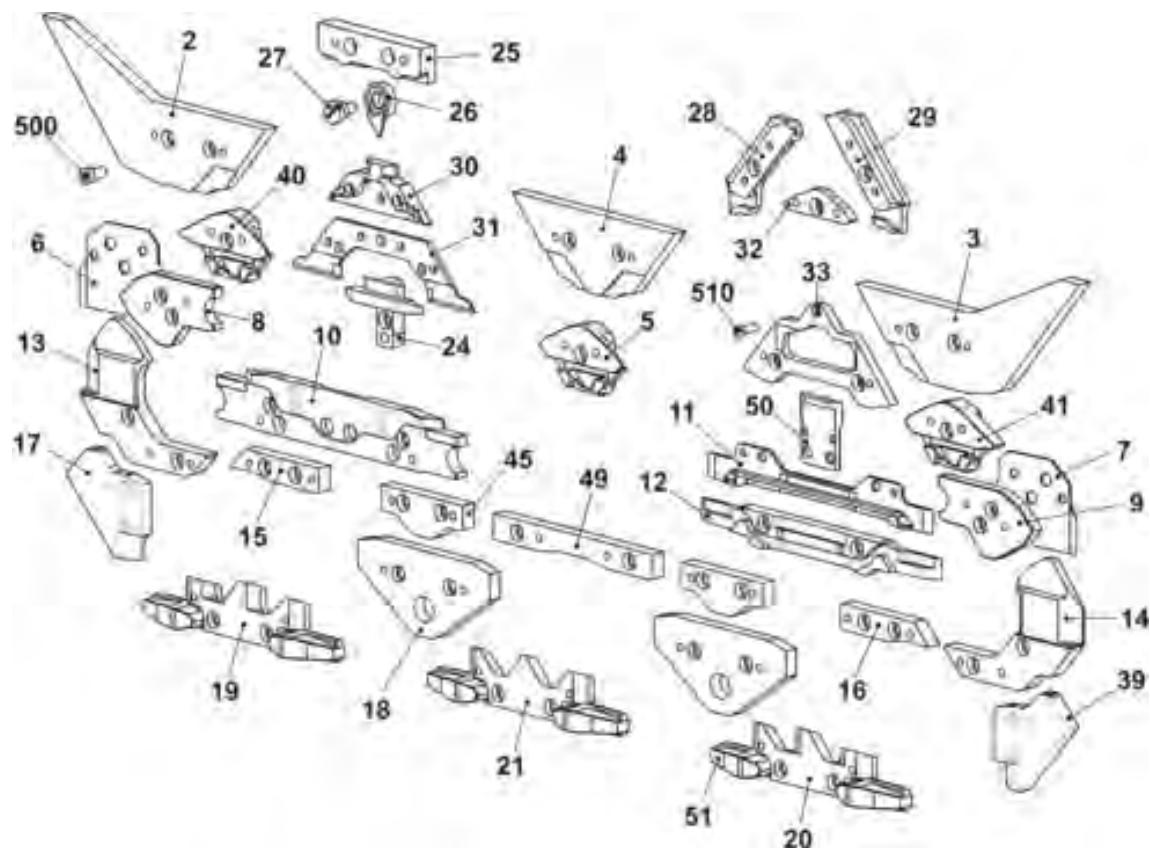
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box complete E6.2	259 260			
1	Cam plate E10-18	258 158	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure part complete	253 480		f Washer	022 893
34	Loop sinking cam on the left complete E12-14	254 248	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right complete E12-14	254 249	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	Shim 0,5x12x75	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



5.8 Cam box E6.2

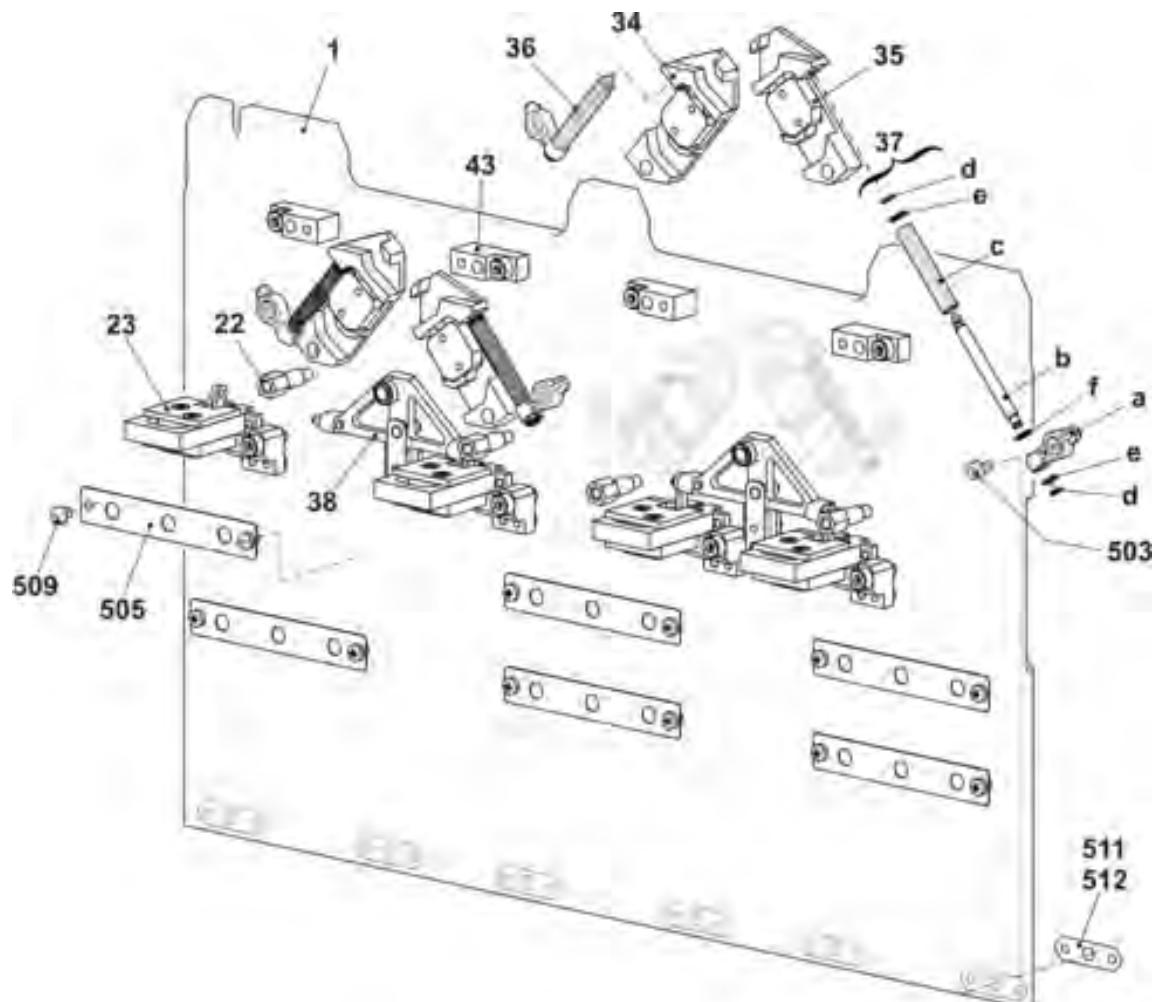
5.8.1 Cams E6.2

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



5.9 Cam box E7.2

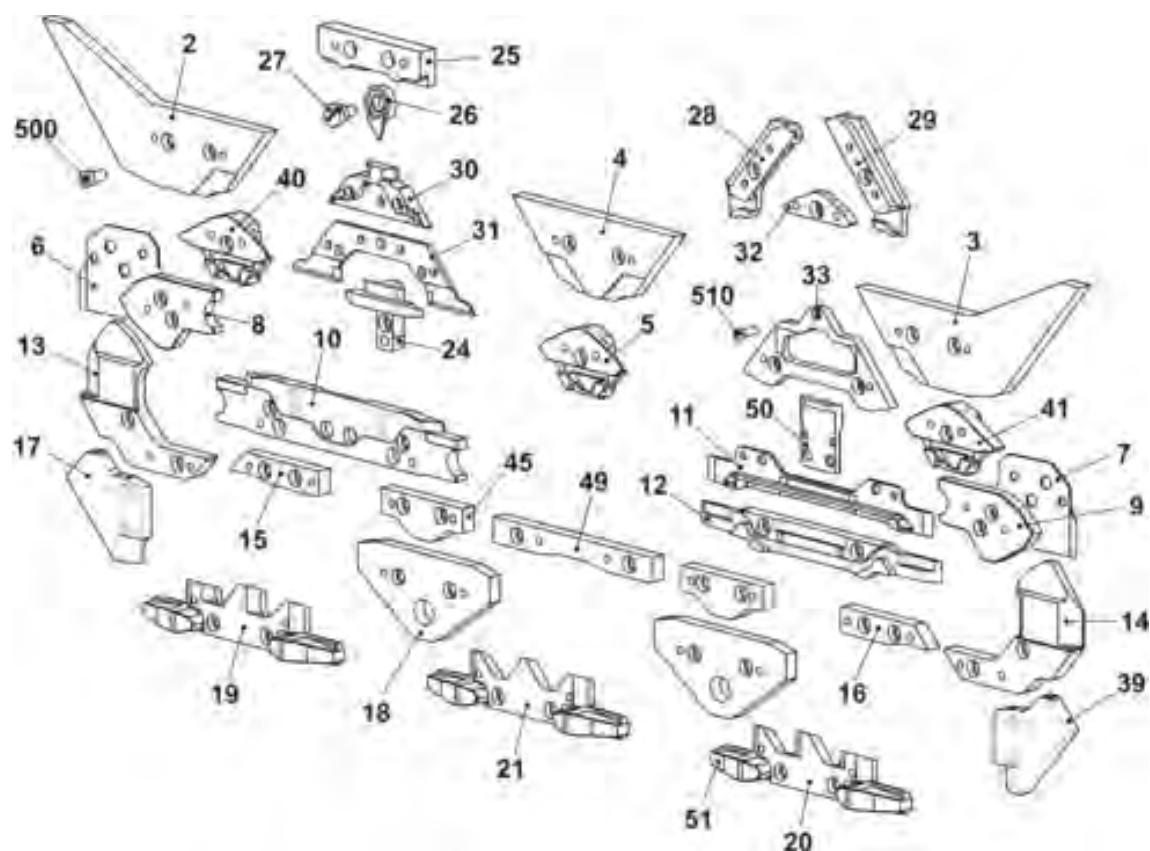
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box complete E7.2	259 261			
1	Cam plate E10-18	258 158	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure part complete	253 480		f Washer	022 893
34	Loop sinking cam on the left complete E12-14	254 248	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right complete E12-14	254 249	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	Shim 0,5x12x75	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



5.9 Cam box E7.2

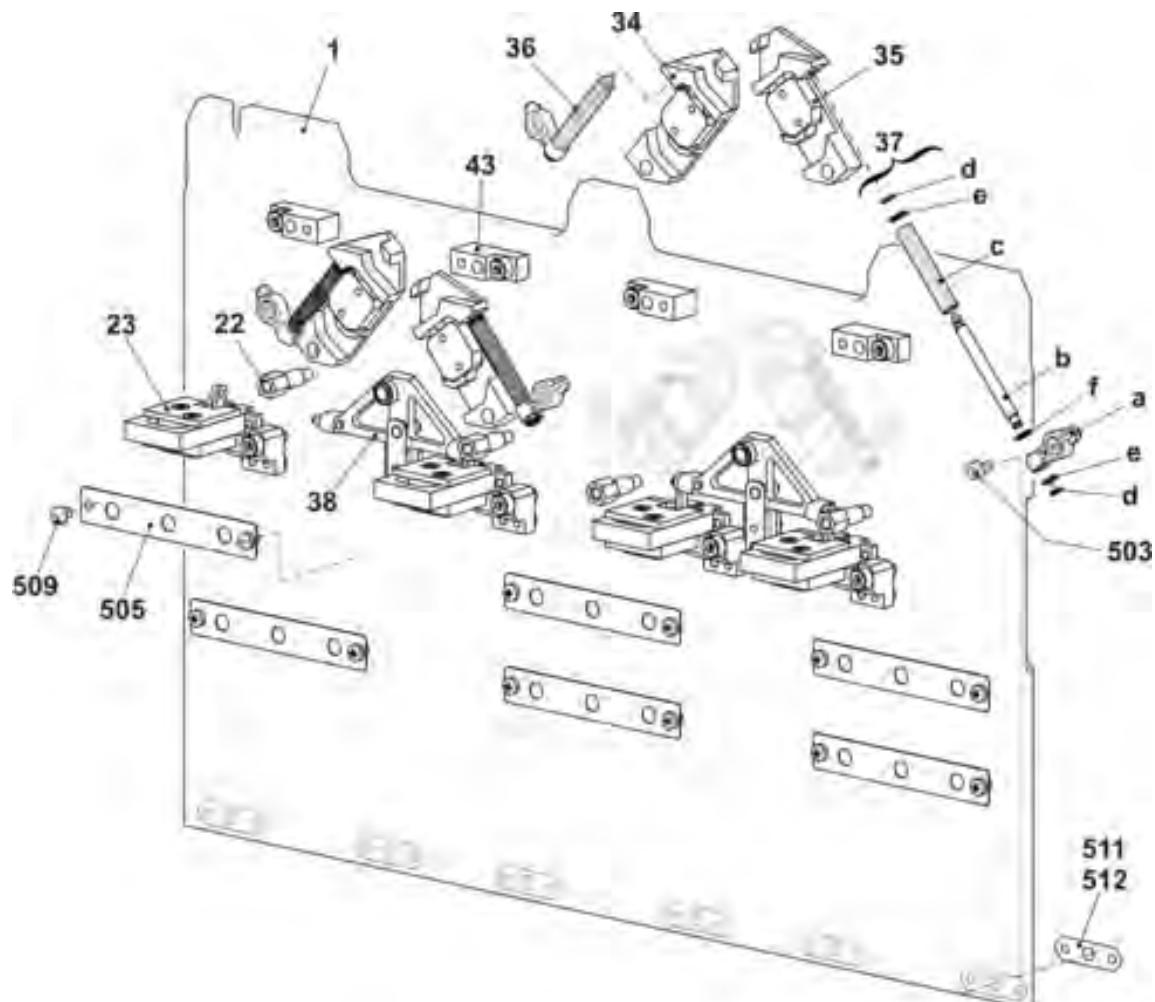
5.9.1 Cams E7.2

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



5.10 Cam box E8.2

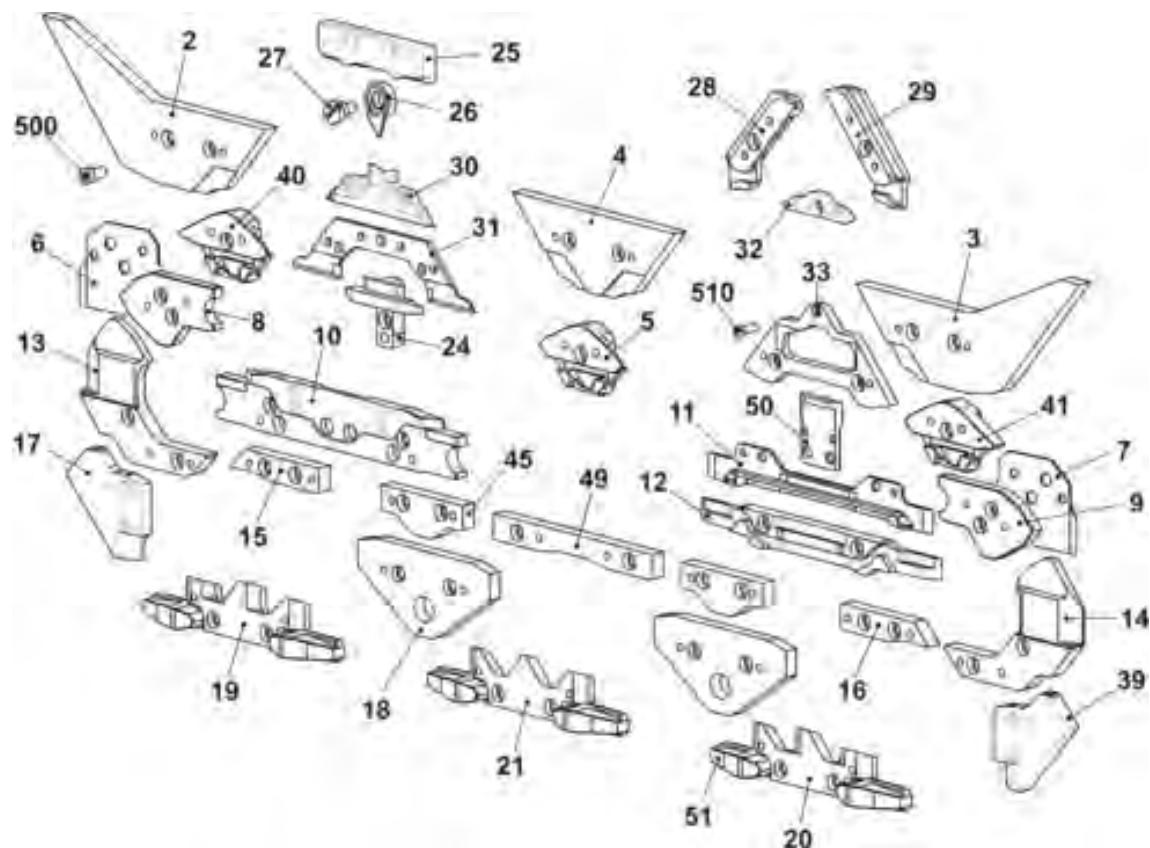
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Cam box complete E8.2	259 262			
1	Cam plate E10-18	258 158	37	d Circlip	023 565
22	Stay bolt	254 839		e Disk	259 647
23	Guide of pressure part complete	253 480		f Washer	022 893
34	Loop sinking cam on the left complete E16-18	251 965	38	Slider pressure part complete	251 834
35	Loop sinking cam on the right complete E16-18	251 966	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	Shim 0,5x12x75	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



5.10 Cam box E8.2

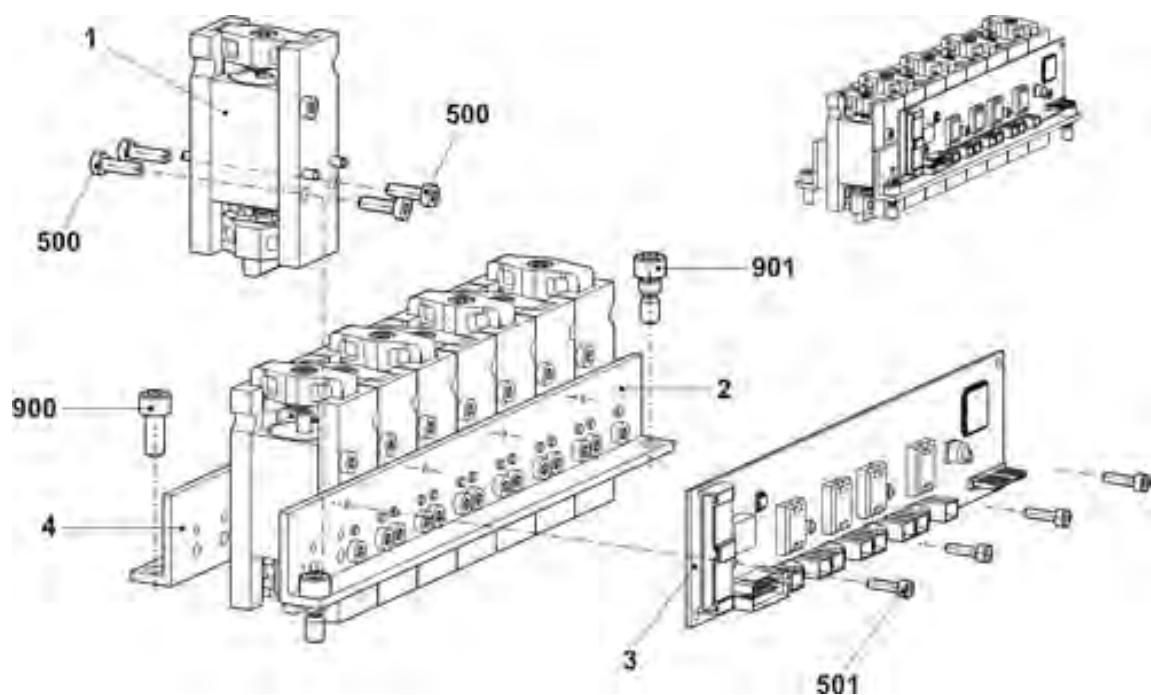
5.10.1 Cams E8.2

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



5.11 Yarn carrier driving without guide part

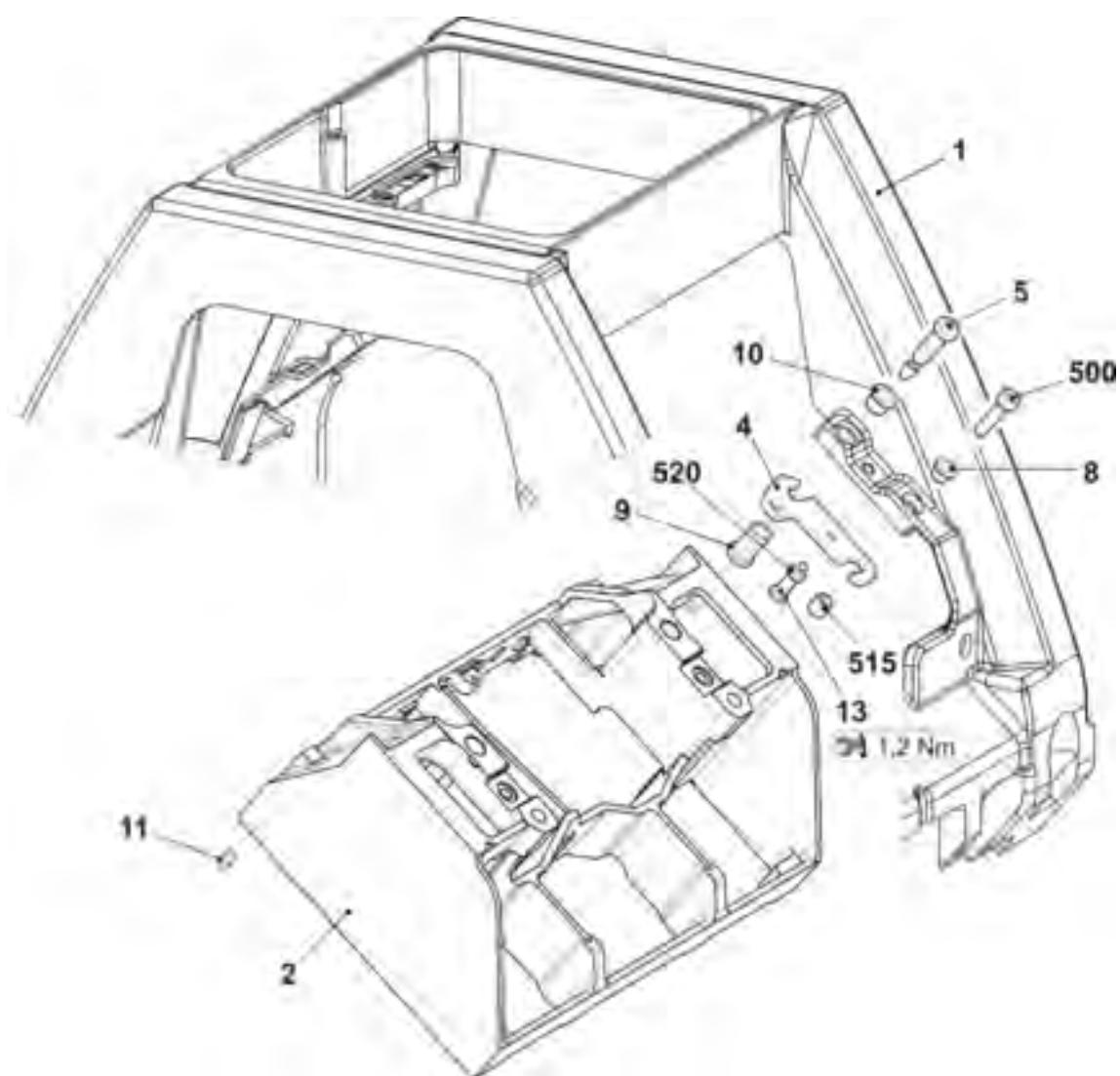
Pos	Designation	Id		Pos	Designation	Id
Σ	YC driving outside complete	241 080		500	Cap screw M4x14-I-Torx	242 279
1	Yarn carrier plunger complete	242 214		501	Cap screw M3x12-12.9	022 648
2	Holding angle for jack	241 038		900	Cap screw M6x14	022 658
3	Card yarn carrier final stagesOKC	300 960		901	Shoulder screw	231 899
4	Holding angle for YC driving	242 903				



5.12 Carriage assembly

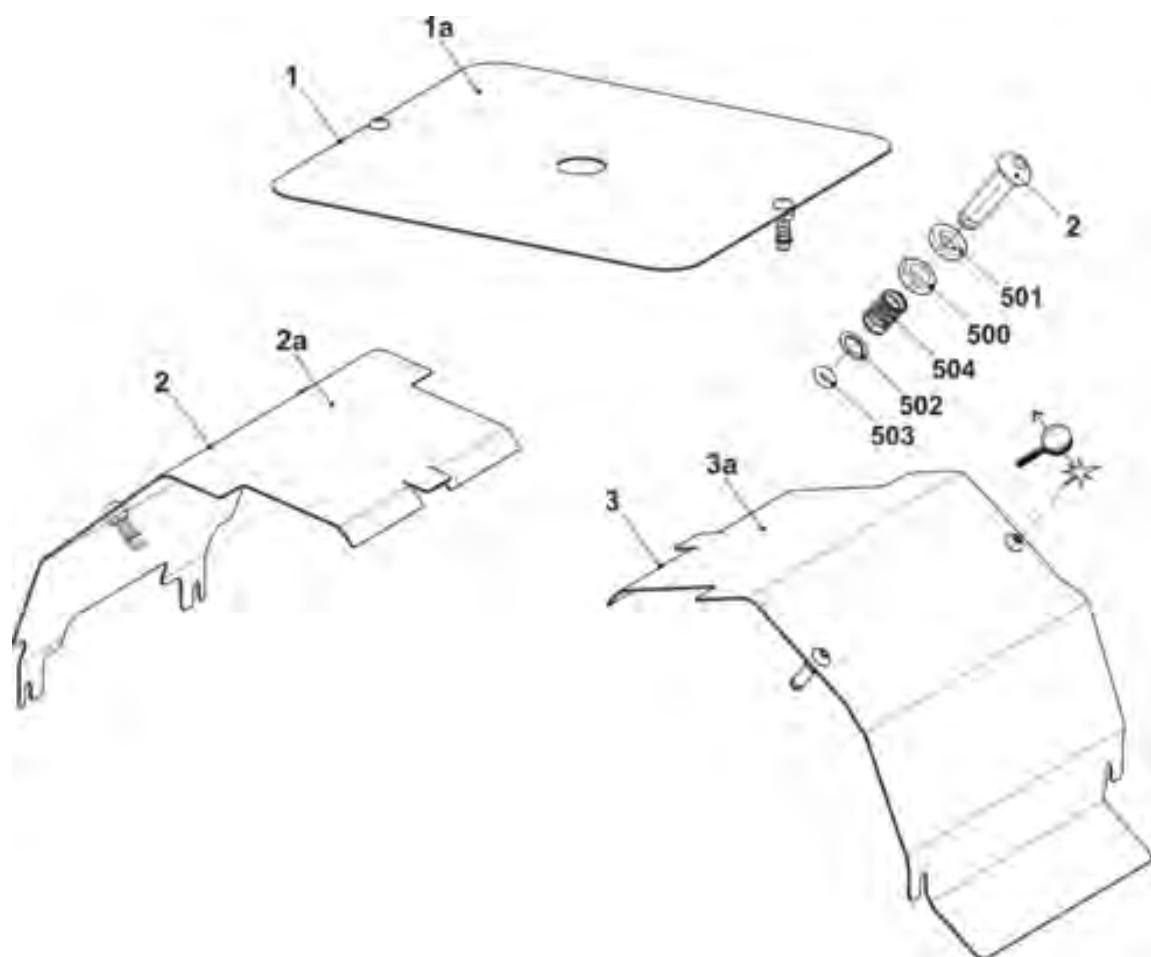
5.12 Carriage assembly

Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage assembly 2 cam boxes complete 5 inches 502	258 453		9	Bush	209 275
1	Carriage frame 2 cam boxes 5 inches	258 433		10	Bush	209 274
2	Carriage part 2 cam boxes 5 inch complete	259 691		11	Eccentric	222 983
4	Shim	225 312		13	Locating bolt linking spot	244 179
5	Shoulder screw	211 750		500	Cap screw M8x30	020 143
8	Bush	207 546		520	Circlip6	021 022



5.13 Carriage cover

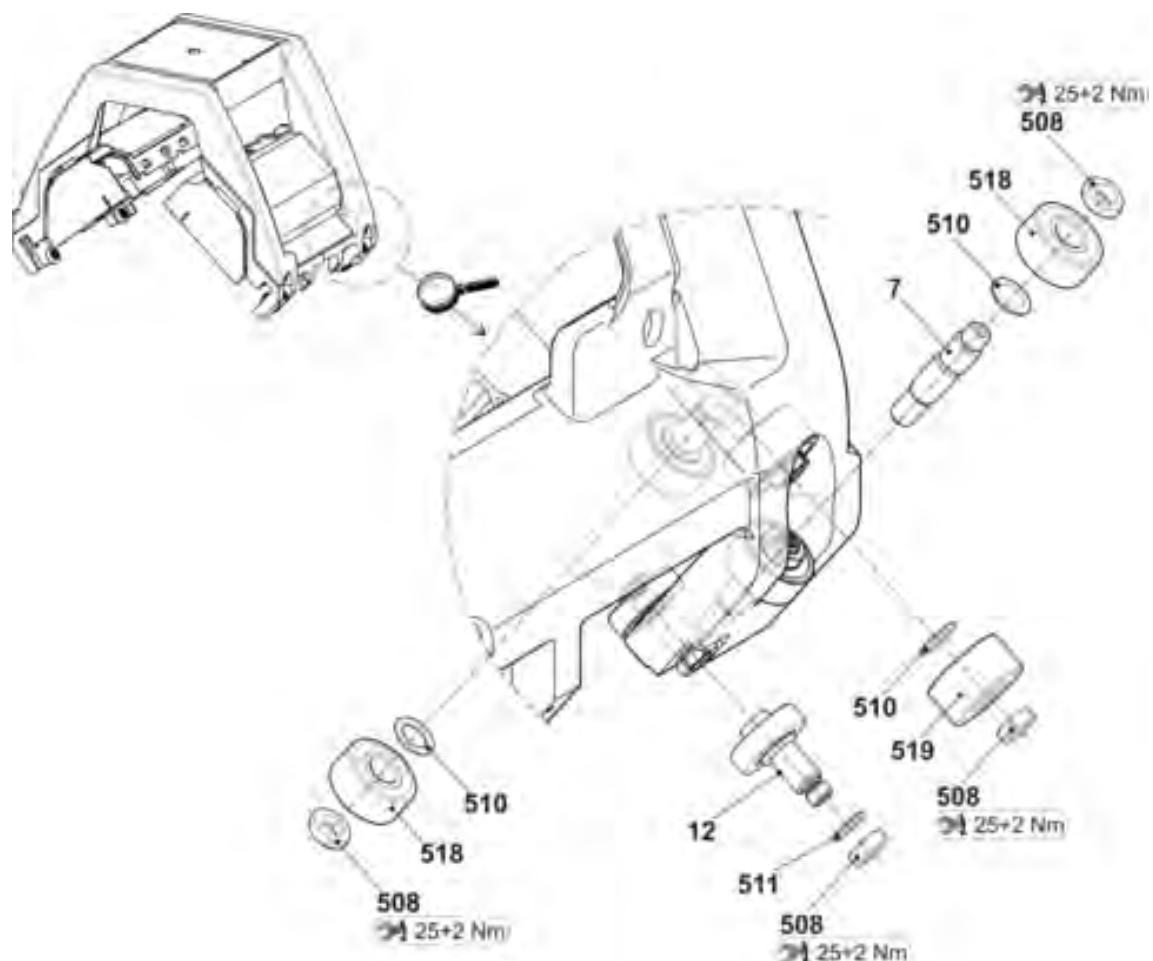
Pos	Designation	ID	Pos	Designation	ID
1	Carriage cover at the top 2 cam boxes complete	257 102	10	Locating bolt	242 382
	1a Carriage cover at the top 2 cam boxes	253 317		500 Hexagon nut M6	257 088
2	Carriage cover at the rear complete 2 cam boxes	257 175	501	Washer 6.1x9x0,5	023 554
	2a Carriage cover at the rear 2 cam boxes	253 319		502 Serrated lock washer 6,4	022 385
3	Carriage cover at the front 2 cam boxes complete	257 174	503	O-ring 3x2	242 420
	3a Carriage cover front 2 cam boxes	253 318		504 Compression spring 0,48x7,02x17,29	023 654



5.14 Carriage guide

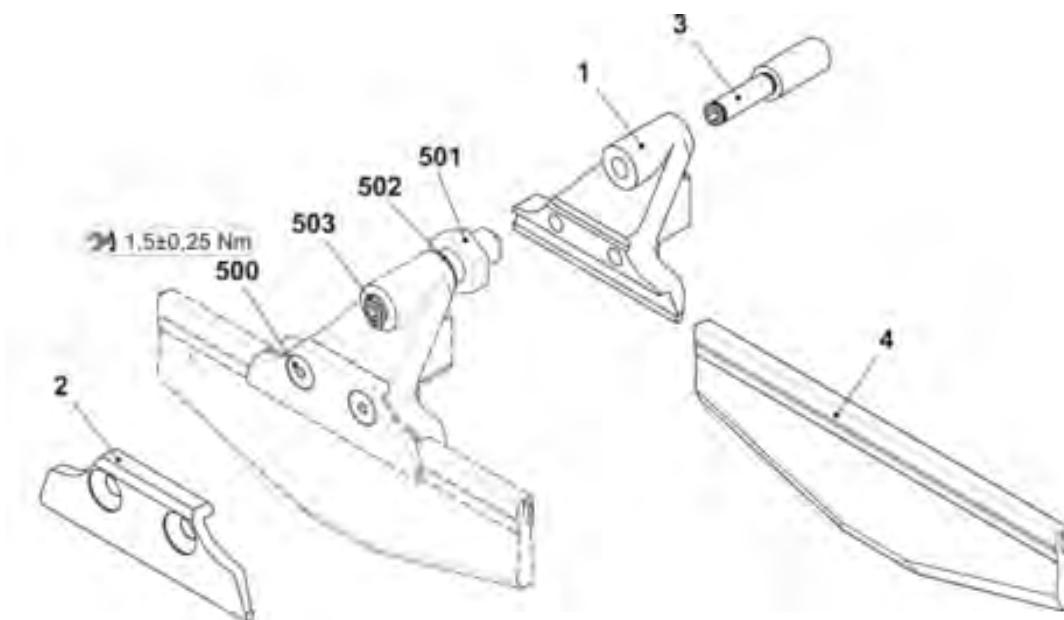
5.14 Carriage guide

Pos	Designation	Id		Pos	Designation	Id
6	Bearing bolt eccentric 0,5	242 060		510	Shim ring 12x18x1	023 315
7	Bearing bolt eccentric 0,5	240 624		511	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



5.15 Brush holder

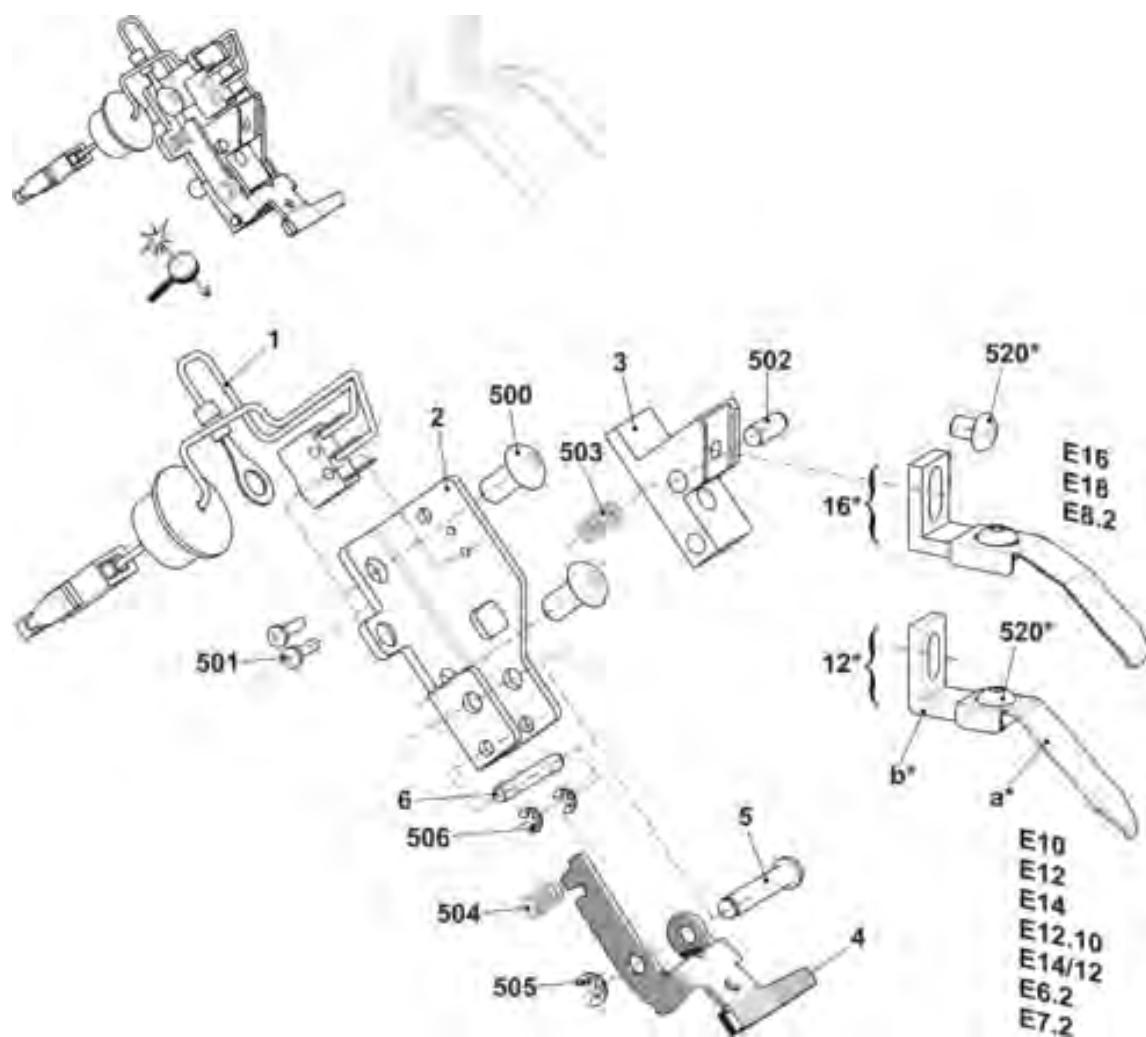
Pos	Designation	Id	Pos	Designation	Id
Σ	Brush holder complete		4	Brush	
	E10 E12 E14 E6.2 E7.2 E12m.10 E1-4/12	252 749		E10 E12 E14 E6.2 E7.2 E12m.10 E1-4/12	243 074
	E16 E18 E8.2	213 710		E16 E18 E8.2	203 254
1	Brush holder	213 009	500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010	501	Hexagon nut M8x5	023 750
3	Threaded rod	209 740	502	Shim ring 5x10x0,5	023 348
			503	Retaining ring 5x0,6	023 347



5.16 Needle detector

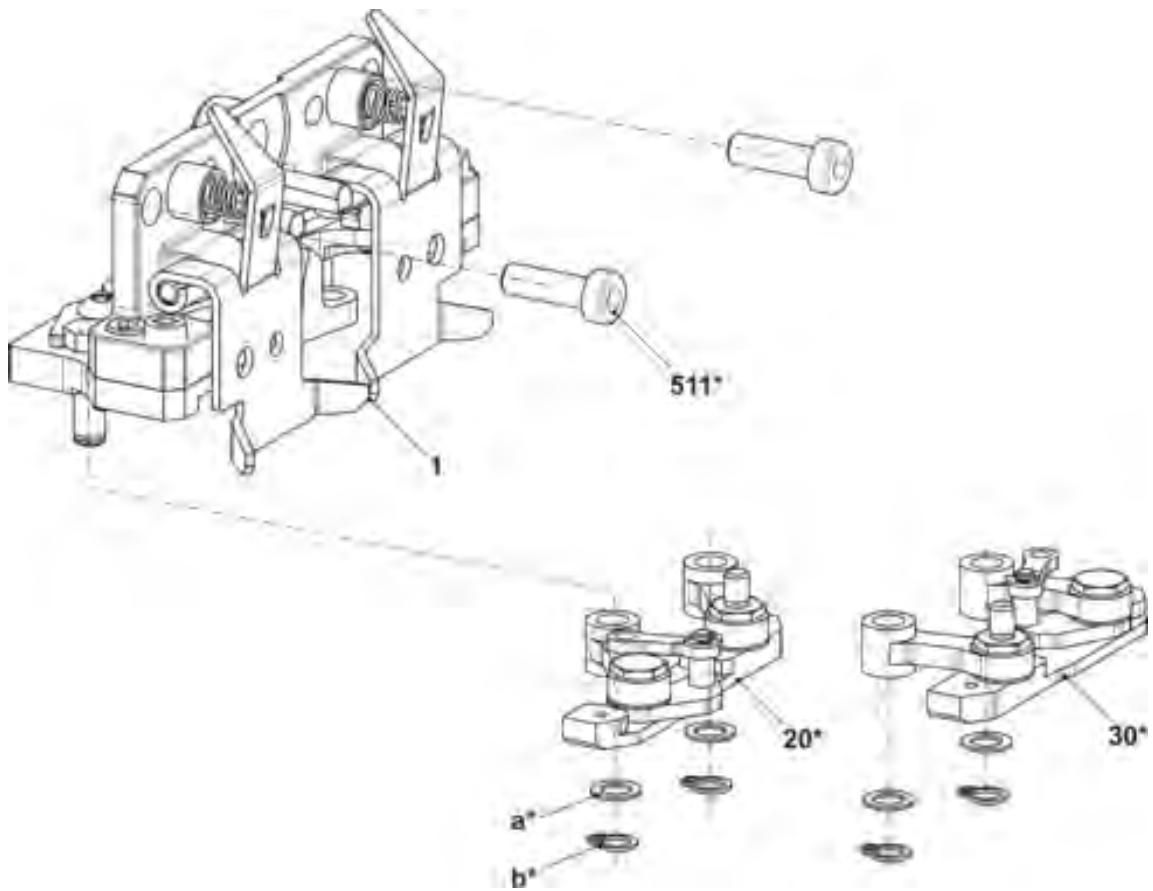
5.16 Needle detector

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle detector pre-assembled E10-18	256 475	503 504 505 506 12* 16*	Compression spring 4,3x0,45x10	021 398
1	Cable of needle detector complete	261 856		Compression spring 0,32x4,00x13,10	256 952
2	Retainer	256 476		Circlip2,3	021 018
3	Switch rocker	256 477		Circlip1,9	023 565
4	Set-out plate	256 094		Sensor pre-assembled E10-14	256 454
5	Bolts	256 492		a* Sensor E10-14	255 758
6	Stop bolt	256 493		b* Angle	255 757
500	Pan head screw M5x10	023 247		520* Pan head screw M4x6	023 427
501	Pan head screw M2x8	258 310		Sensor pre-assembled E16-18	256 784
502	Dowel pin4x10-A	023 753		a* Sensor E16-18	255 759



5.17 Holding-down jack control and slider

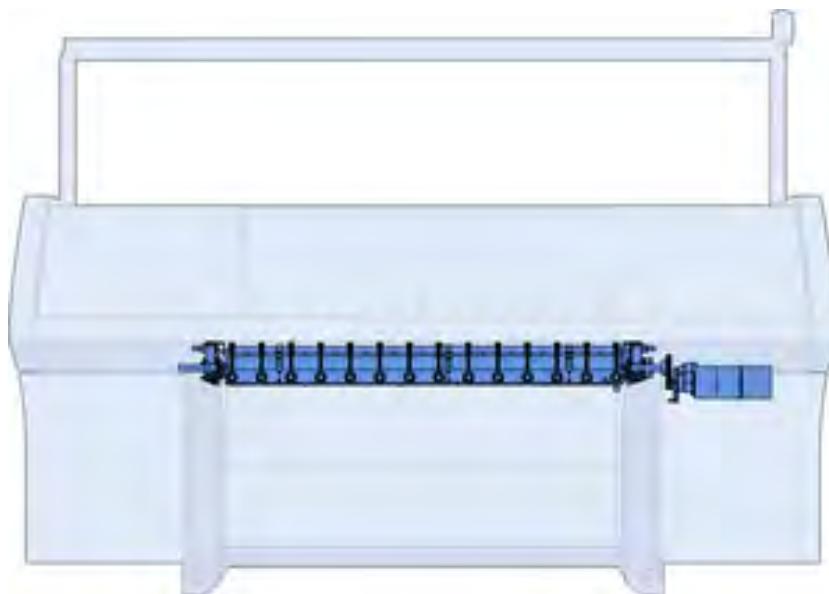
Pos	Designation	Id	Pos	Designation	Id
1	Holding-down jack control complete		20*	Slider on the right complete	
	E10	256 306		E10	256 391
	E12 E14 E6.2(12m.10) E7.2(14/12) E6.2	256 307		E12 E14 E6.2(12m.10) E7.2(14/12) E6.2	256 392
	E16 E18 E8.2	256 308		E16 E18 E8.2	256 393
	E7.2	256 309		E7.2	256 394
	E8.2	256 310		E8.2	256 395
511*	Cap screw M5x16	023 141	30*	Slider on the left complete	
				E10	256 396
				E12 E14 E6.2(12m.10) E7.2(14/12) E6.2	256 397
				E16 E18 E8.2	256 398
				E7.2	256 399
				E8.2	256 400
			a*	Shim ring 5x10x0,5	023 348
			b*	Retaining ring 5x0,6	023 347



5.17 Holding-down jack control and slider

Notes:

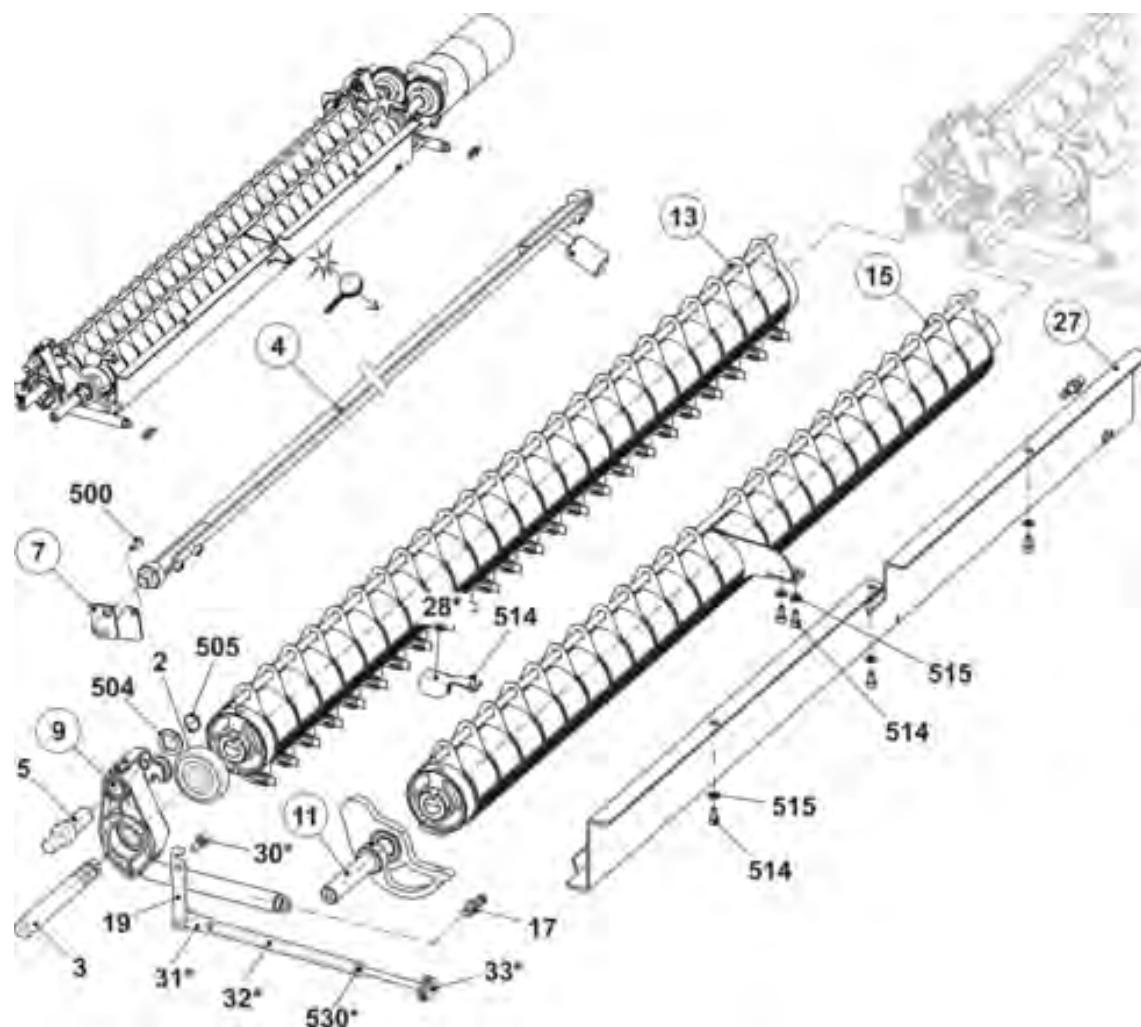
6 Main take-down



6.1 Take-down rollers and left bearing

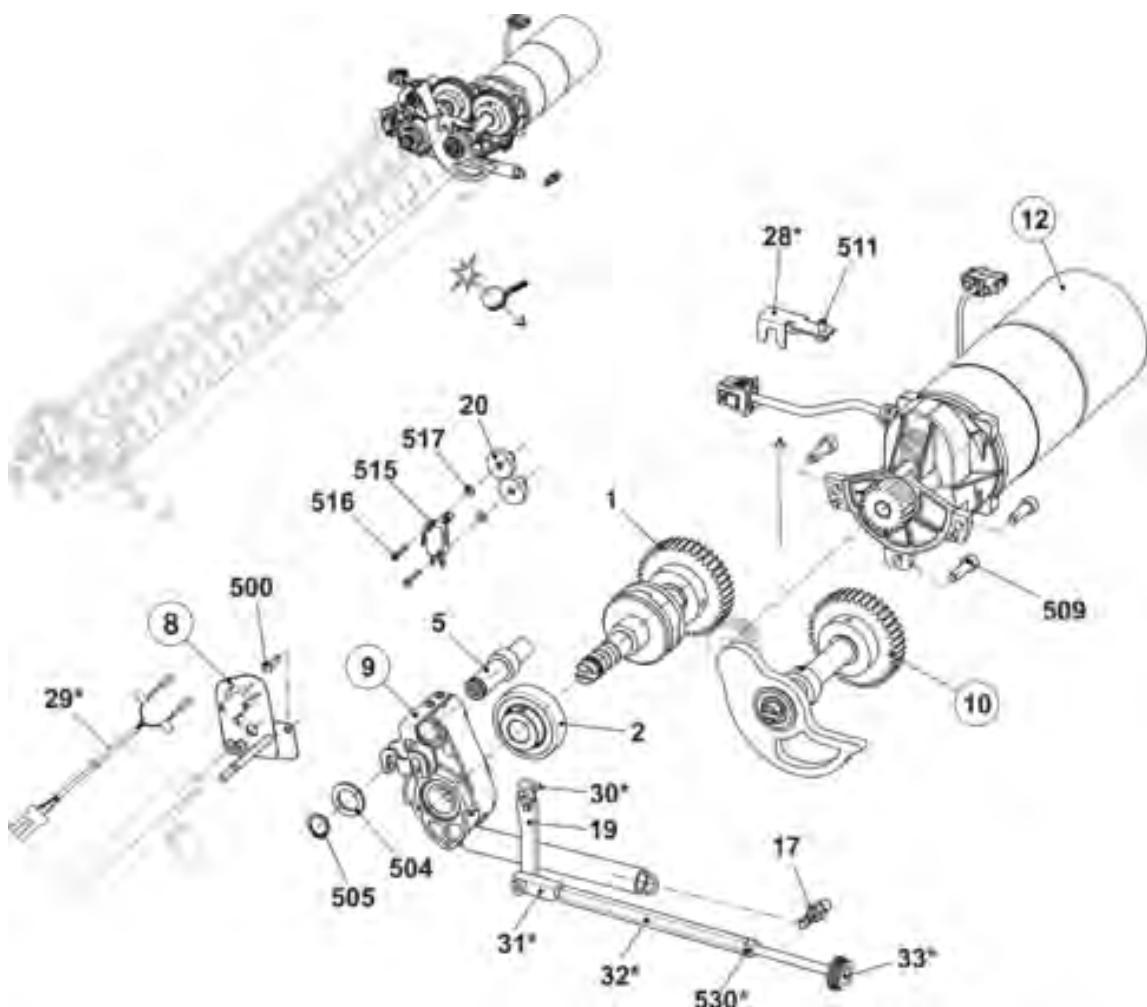
6.1 Take-down rollers and left bearing

Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down complete			19	Stop point	256 078
2	Bearing race complete	244 459		27	Angle rail complete	251 550
3	Shaft on the left at the rear	221 012		500	Screw 50x15	251 728
4	Stripper angle at the rear complete	264118		504	Washer18	023 295
5	Bolts	208 538		505	Retaining ring18x1,2	020 955
7	Mounting plate on the left complete	231 725		514	Cap screw M6x12	020 134
9	Swivel-mounted bearing	251 761		515	Washer6	022 431
11	Full floating axle on the left	251 984		28*	Sheet metal support on the left	251 766
13	Take-down roller at the rear complete E5-14	251 683		30*	Shoulder screw	257 000
	Take-down roller at the rear complete E16-18	257 109		31*	Coupling piece	256 999
15	Take-down roller at the front complete	251 681		32*	Connecting rod	256 998
15	Take-down roller at the front complete E16-18	251 681		33*	Knurled screw	250 608
17	Spring bolt	221 143		530*	Hexagon nut M8-6	020 838



6.2 Take-down motor and right bearing

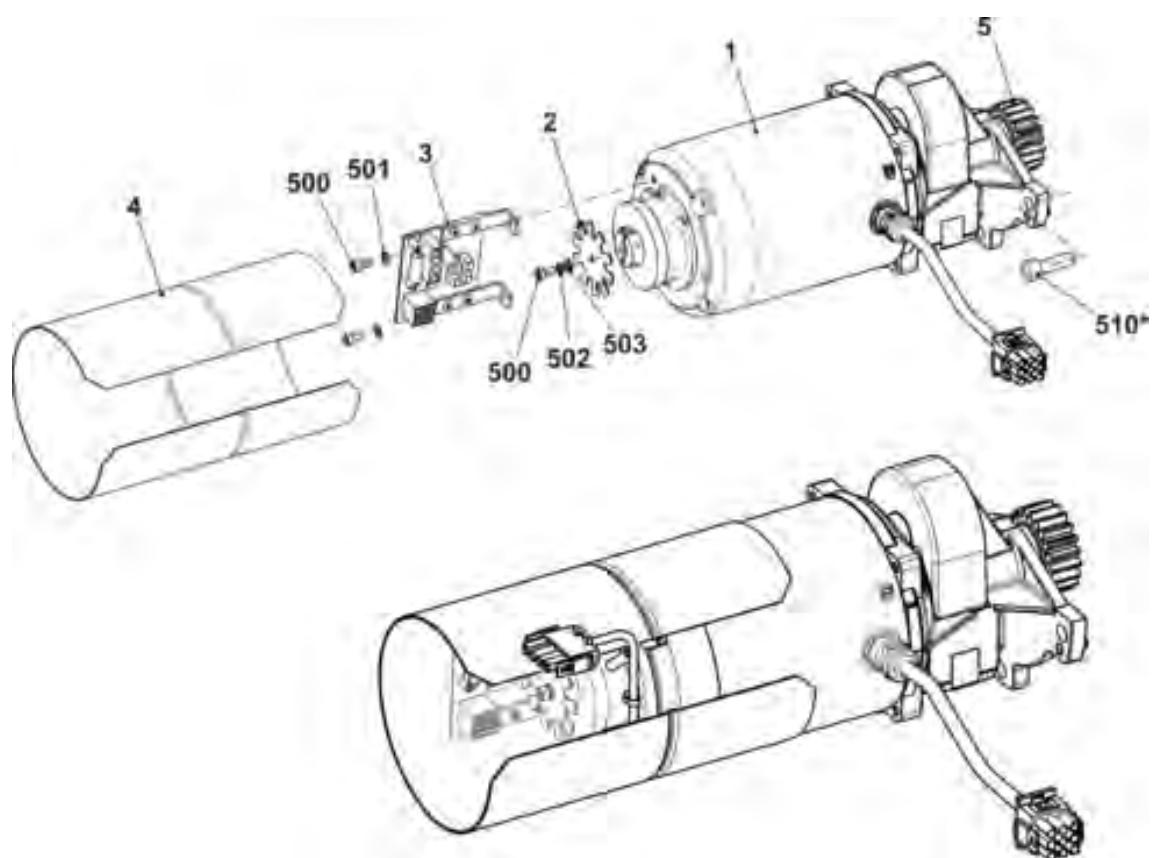
Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down complete, continuation		505	Retaining ring 18x1,2	020 955
1	Clutch set	251 677	509	Cap screw M8x25-12.9	020 142
2	Bearing race complete	244 459	511	Cap screw M6x12	020 134
5	Bolts	208 538	515	Microswitch	210 510
8	Mounting plate on the right complete	260 090	516	Cap screw M3x20	023 221
9	Swivel-mounted bearing	251 761	517	Washer3	023 657
10	Full floating axle on the right	251 985	28*	Sheet metal support on the right	251 765
12	Motor take-down unit complete	253 803	29*	Connection cable winding plate	241 703
17	Spring bolt	221 143	30*	Shoulder screw	257 000
19	Stop point	256 078	31*	Coupling piece	256 999
20	Threaded bush	222 522	32*	Connecting rod	256 998
500	Screw 50x15	251 728	33*	Knurled screw	250 608
504	Washer18	023 295	530*	Hexagon nut M8-6	020 838



6.3 Impulse sensor and motor

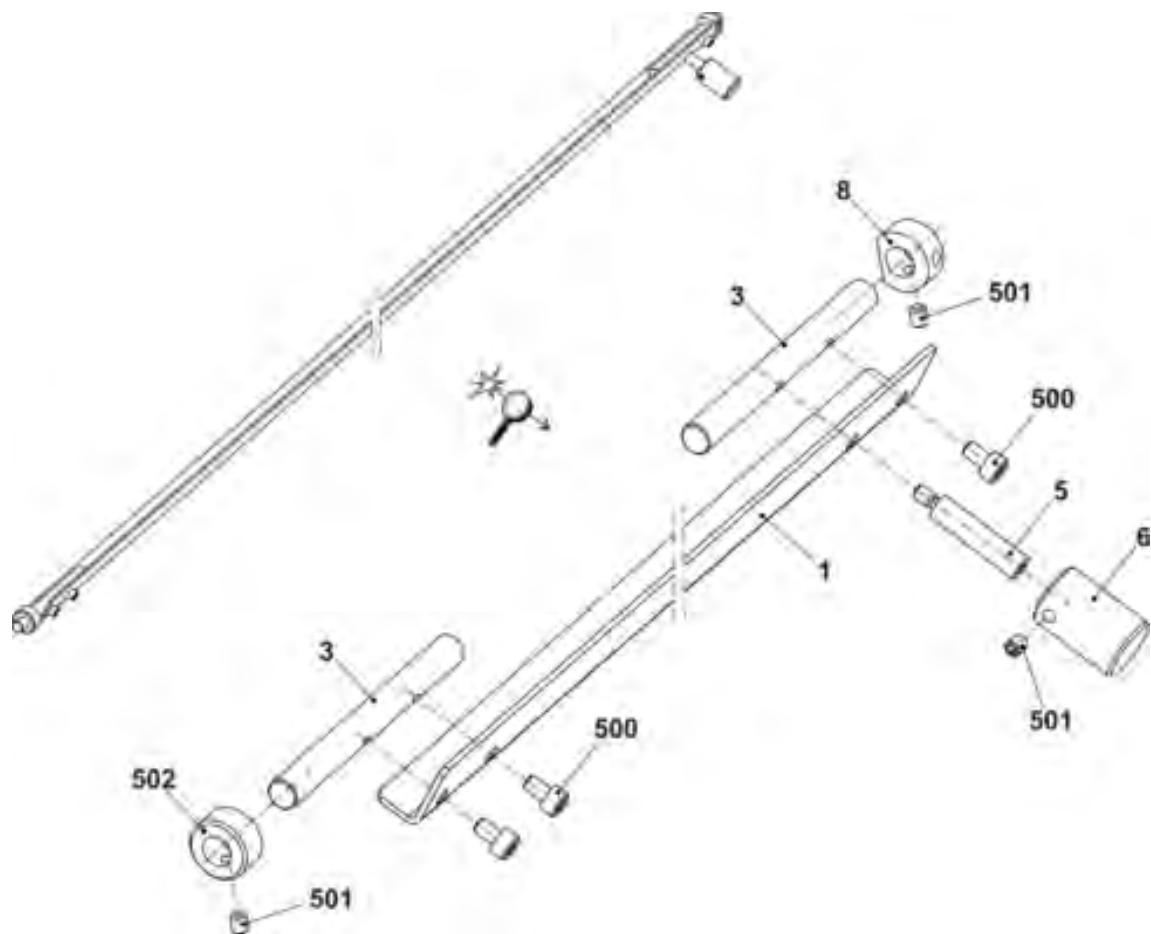
6.3 Impulse sensor and motor

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



6.4 Stripper angle

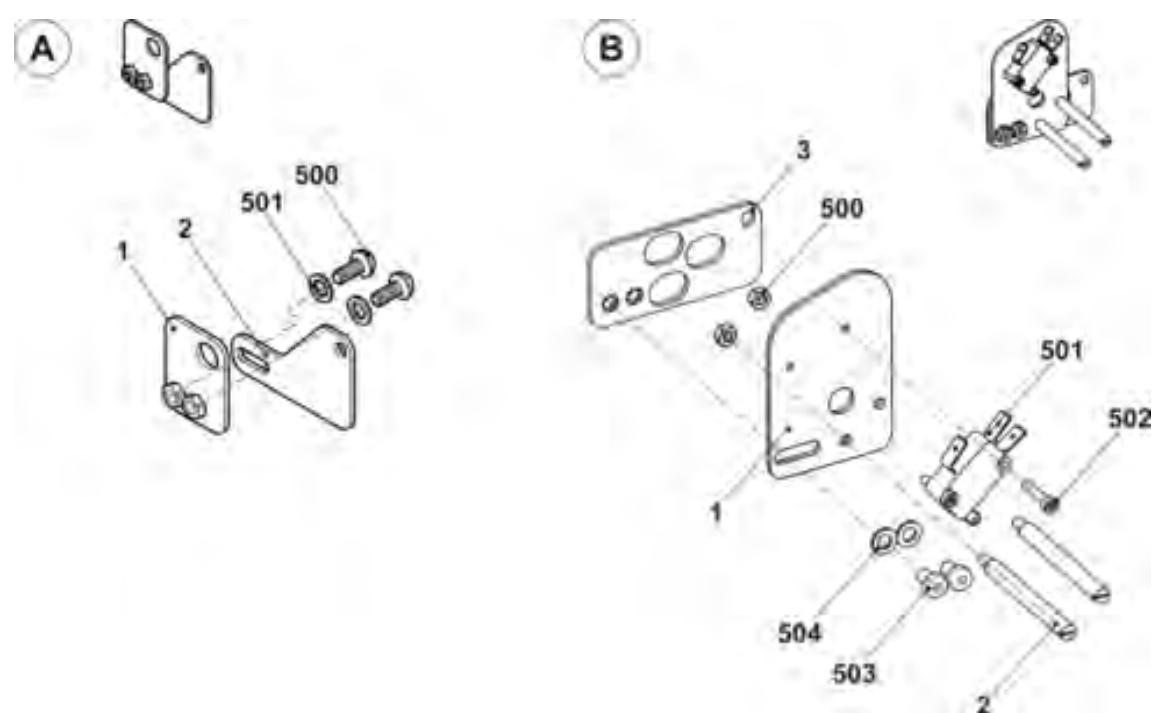
Pos	Designation	Id	Pos	Designation	Id
Σ	Stripper angle at the rear complete	264 118	8	Cam	260 109
1	Stripper angle	263 946		Cap screw M5x8	023 319
3	Axle	259 969		Setscrew M5x6	022 738
5	Bolts	228 310		Set collarA10	020 934
6	Adjustment weight	229 248			



6.5 Mounting plate

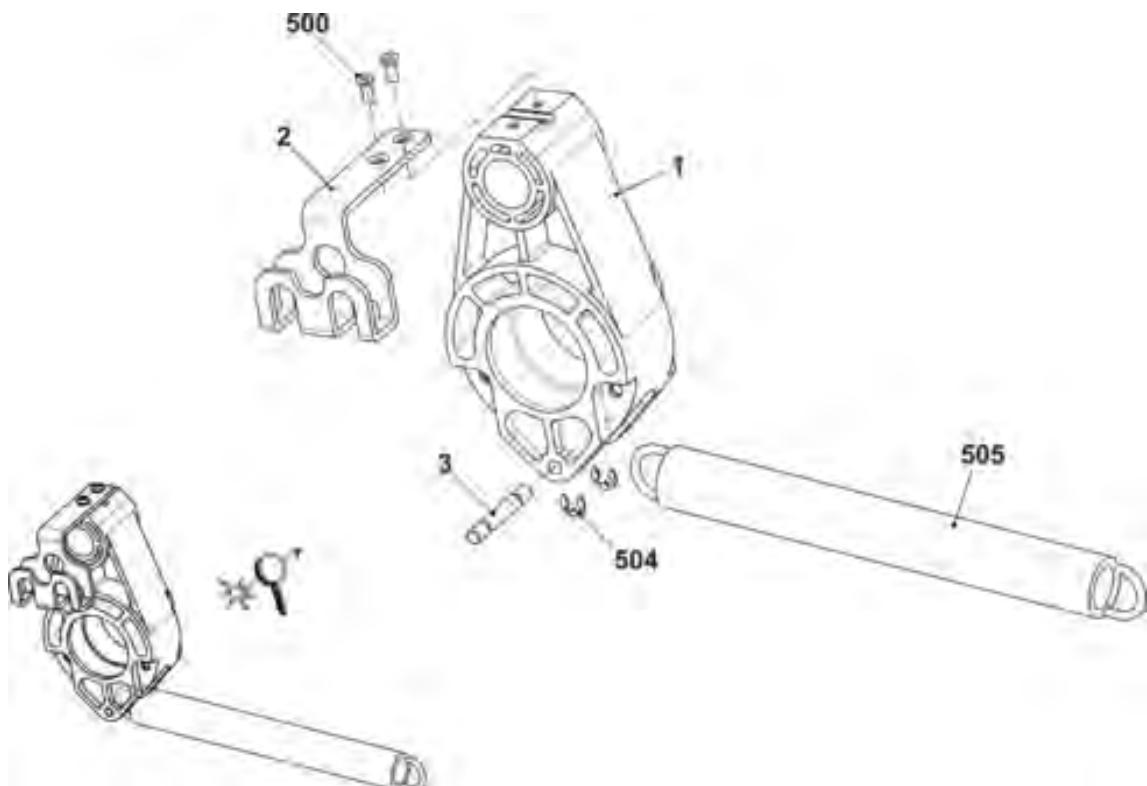
6.5 Mounting plate

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



6.6 Swivel-mounted bearing

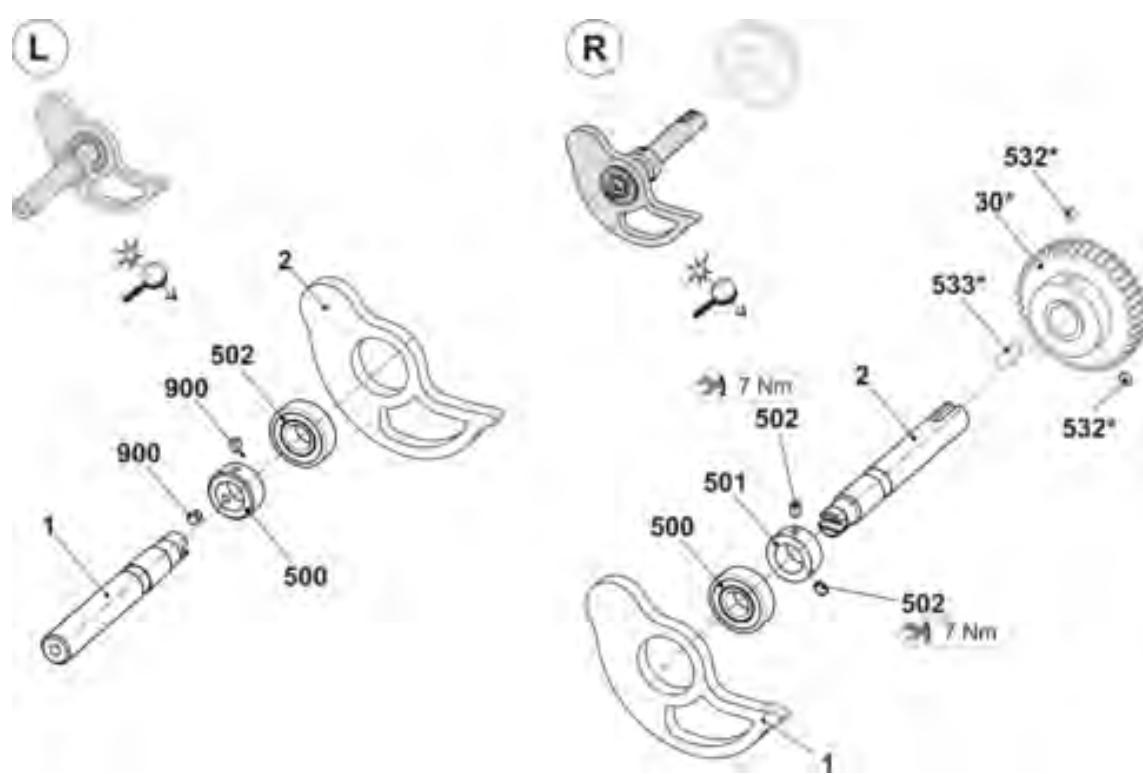
Pos	Designation	Id		Pos	Designation	Id
Σ	Swivel-mounted bearing	251 761		500	Screw M35x10	259 102
1	Swivel-mounted bearing	241 996		504	Circlip4	021 020
2	Sheet metal support	251 749		505	Tension spring 21x3,0x192	240 217
3	Axle	251 758				



6.7 Full floating axle

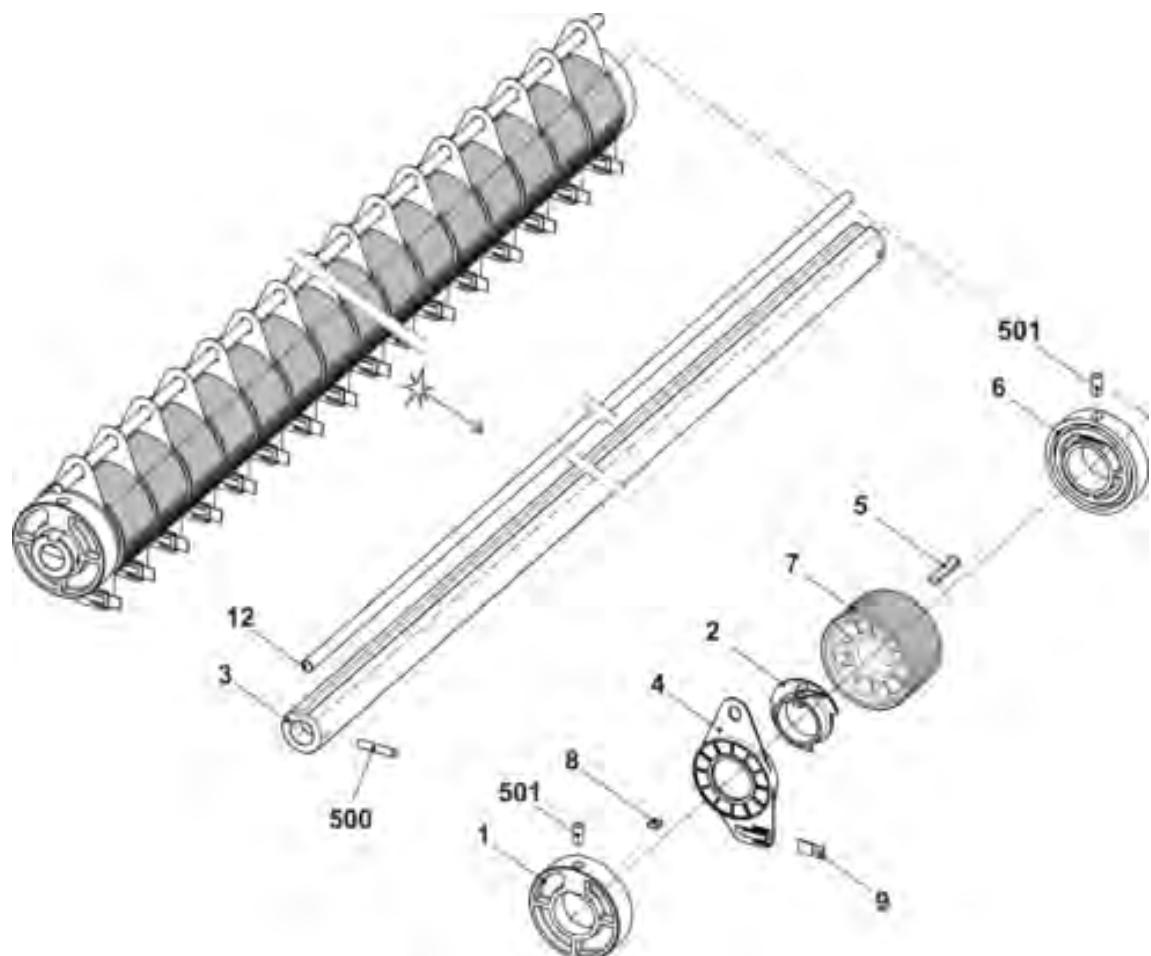
6.7 Full floating axle

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



6.8 Rear take-down roller

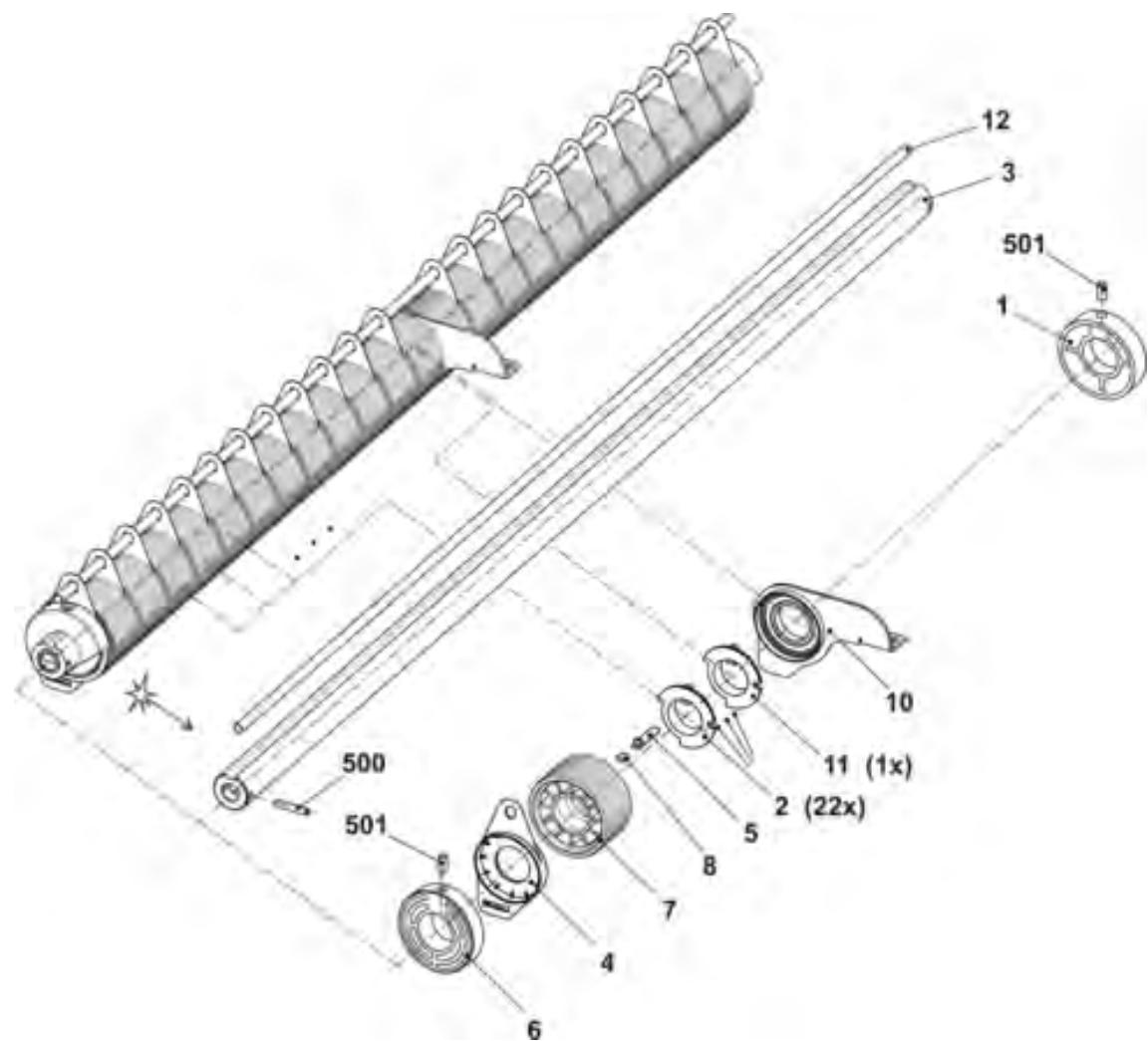
Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the rear complete E5-14	251 683	7	Roller (E5-14)	206 770
	Take-down roller at the rear complete E16-18	257 109			
1	Ring on the left	255 830	7	Roller (E16-18)	231 400
2	Stop ring on the left	204 369	8	Spacer slide	222 062
3	Wave	251 682	9	Brush	225 819
4	Stripper	241 612	12	Rod	251 769
5	Spacer slide	240 104	500	Dowel pin 6x32	020 685
6	Ring on the right	255 831	501	Setscrew M8x16	258 910



6.9 Front take-down roller

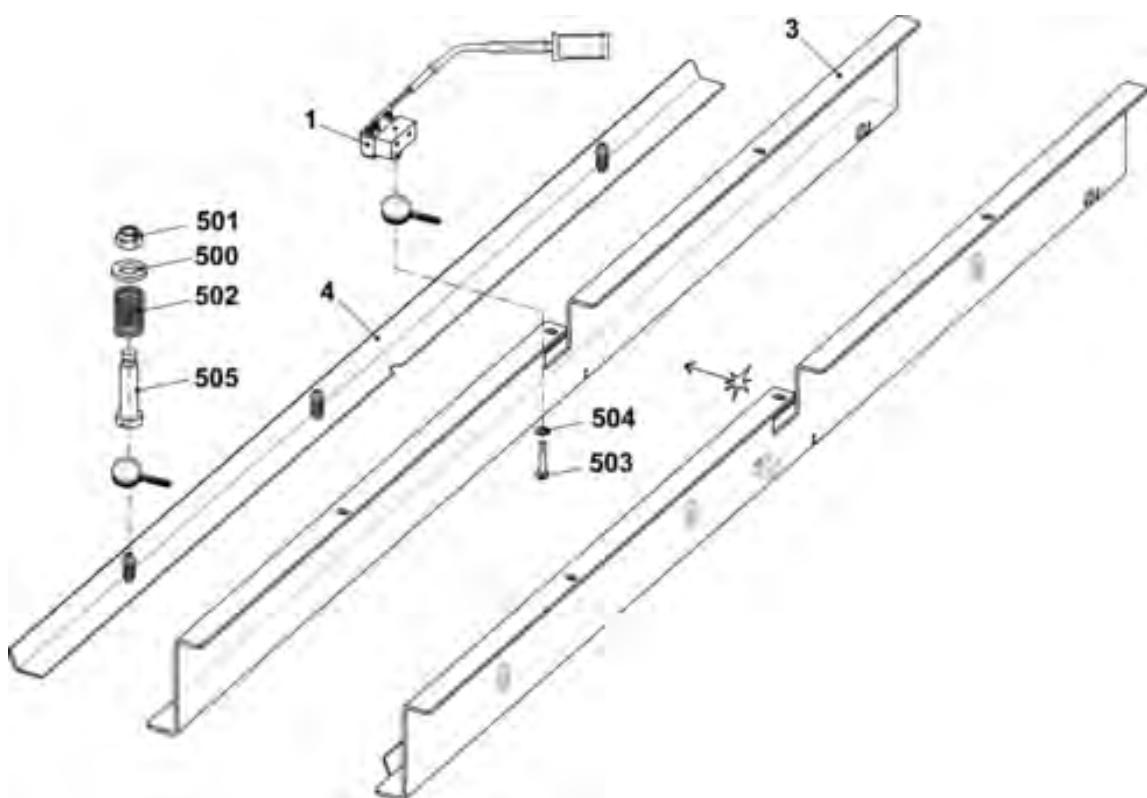
6.9 Front take-down roller

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the front complete	251 681	7	Roller	206 770
1	Ring on the left	255 830	8	Spacer slide	222 062
2	Stop ring on the left	204 369	10	Support	252 506
3	Wave	251 680	11	Stop ring on the left	222 910
4	Stripper	241 612	12	Rod	251 769
5	Spacer slide	240 104	500	Dowel pin 6x32	020 685
6	Ring on the right	255 831	501	Setscrew M8x16	258 910



6.10 Angle rail

Pos	Designation	Id	Pos	Designation	Id
Σ	Angle rail complete	251 550	501 502 503 504 505	Hexagon nut M5-8	023 541
1	Switch complete (with cable)	221 265		Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	251 548		Cap screw M2x12	023 522
4	Winding plate	251 549		Washer2	022 908
500	Washer6	022 431		Shoulder screw M5x20x5	023 675



6.10 Angle rail

Notes:

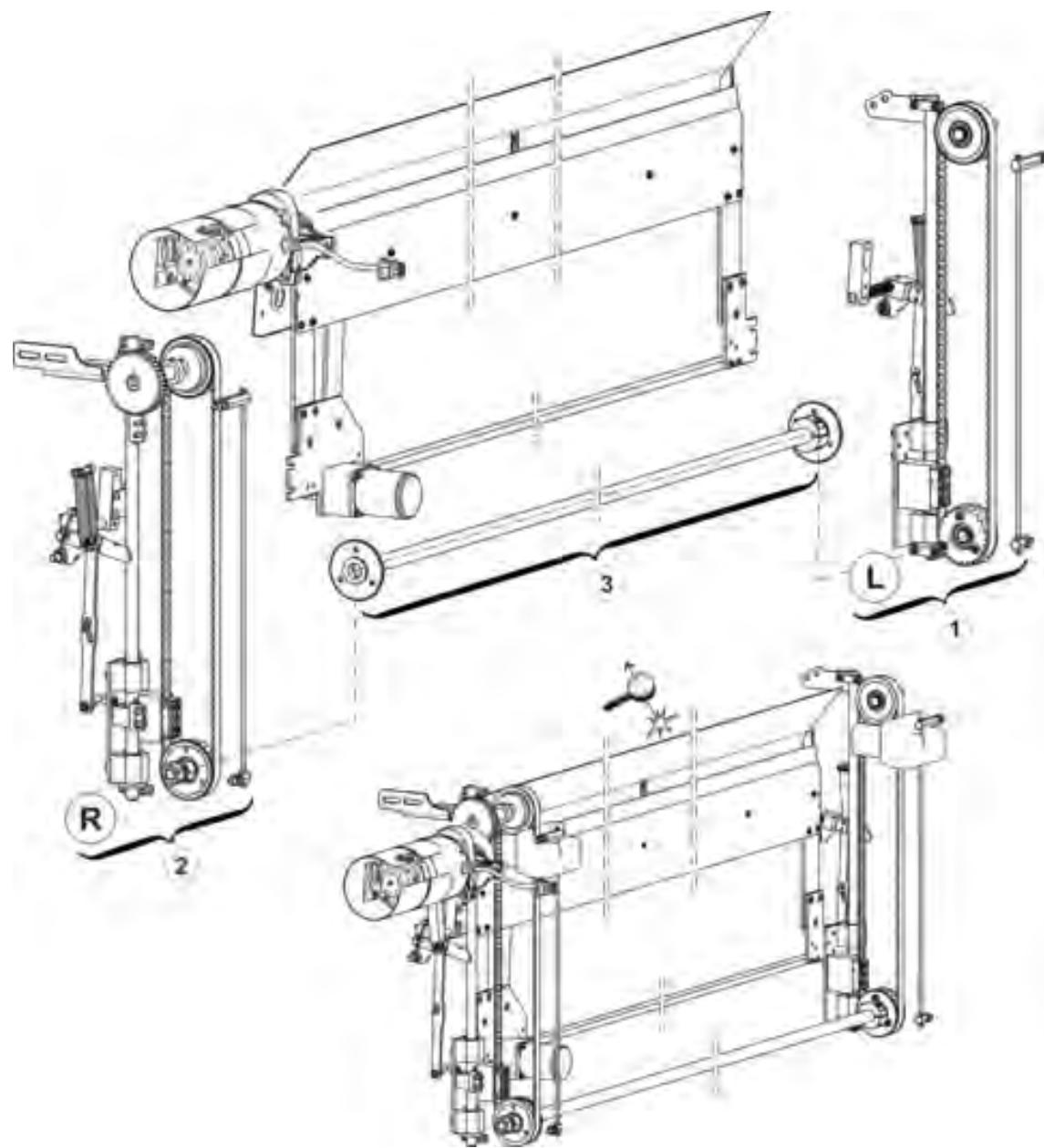
7 Comb take-down



7.1 Comb take-down

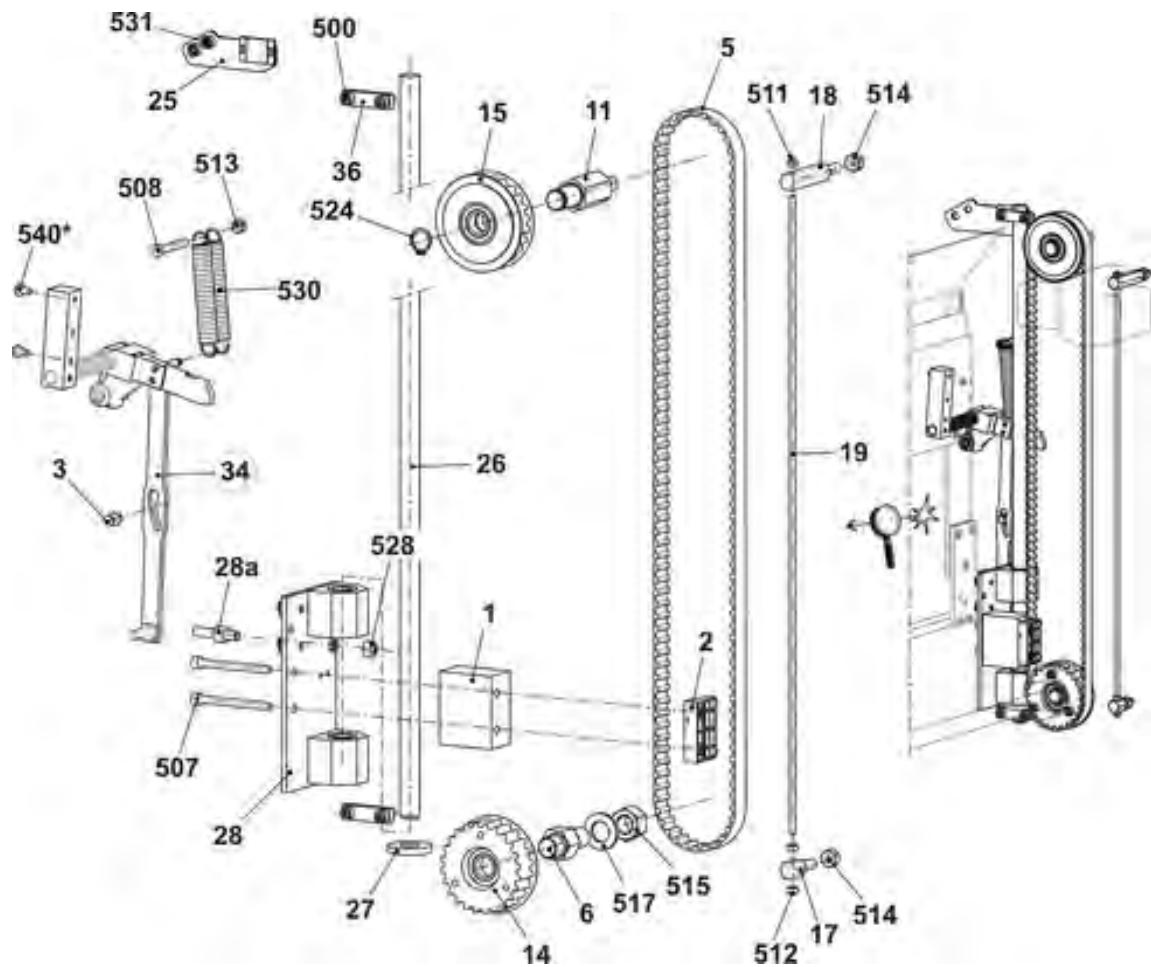
7.1 Comb take-down

Pos	Designation	Id		Pos	Designation	Id
Σ	Comb take-down					
1	Comb take-down on the left	256 836		3	E12 E6.2 E6.2(12m.10)	253 789
2	Comb take-down on the right	256 837			E14 E7.2 E7.2(14/12)	253 840
3	Comb take-down in the middle				E16 E8.2	257 020
	E10	262 015			E18	257 021



7.2 Comb take-down on the left

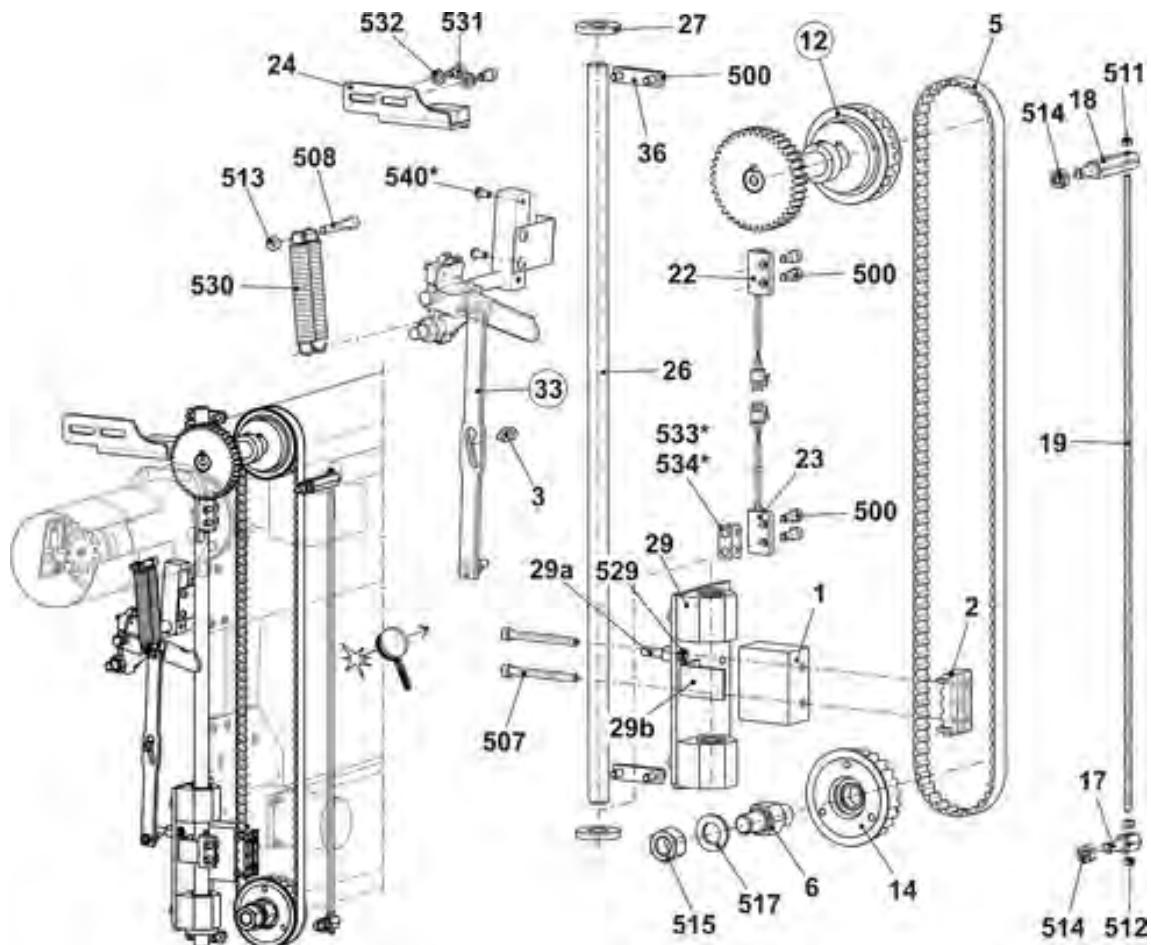
Pos	Designation	Id		Pos	Designation	Id
Σ	Comb take-down on the left	256 836				
1	Clamping piece	209 379		528	Hexagon nut M8-6	020 838
2	Pressure plate	241 967		34	Swivel lever on the left	252 859
3	Bolts	222 152		36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065		500	Cap screw M6x16	020 135
6	Eccentric pin	222 320		507	Cap screw M6x65	240 162
11	Bolts	207 689		508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822		511	Hexagon nut M5-8	023 541
15	Toothed lock washer at the top complete	211 823		512	Hexagon nut M5-6	020 835
17	Stay bolt	222 315		513	Hexagon nut M6-6	020 836
18	Stay bolt	240 056		514	Hexagon nut M8-6	020 838
19	Threaded rod M5	240 057		515	Hexagon nut M16-6	020 845
25	Reflector complete	256 826		517	Washer 16	020 876
26	Guide bar C35	206 560		524	Retaining ring 17x1	023 299
27	Rubber buffer	206 561		530	Tension spring Din 2097 15x1,50x70,94	251 614
28	Comb guide on the left	255 425		531	Cap screw M6x12	020 134
28a	Driving bolt	255 427		540*	Pan head screw M5x10	023 247



7.3 Comb take-down on the right

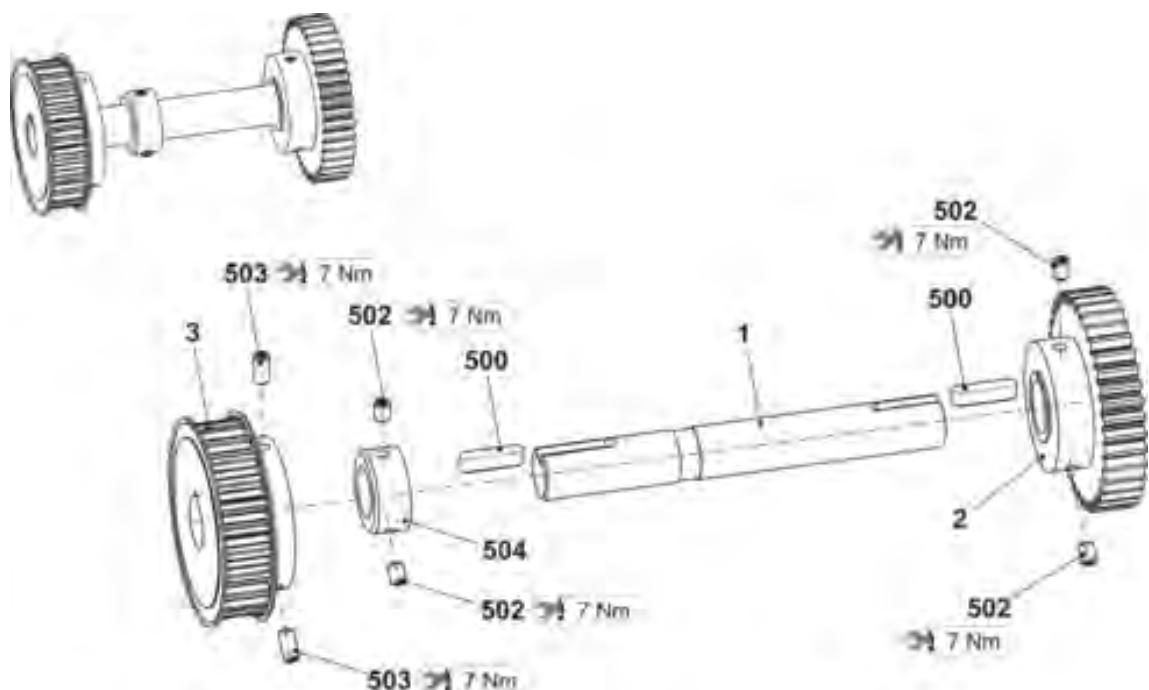
7.3 Comb take-down on the right

Pos	Designation	Id	Pos	Designation	Id
Σ	Comb take-down on the right	256 837			
1	Clamping piece	209 379	529	Hexagon nut M8-6	020 838
2	Pressure plate	241 967	33	Swivel lever on the right	252 858
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
12	Drive shaft comb complete	214 583	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
17	Stay bolt	222 315	512	Hexagon nut M5-6	020 835
18	Stay bolt	240 056	513	Hexagon nut M6-6	020 836
19	Threaded rod M5	240 057	514	Hexagon nut M8-6	020 838
22	Proximity switch inductive at the top	231 516	515	Hexagon nut M16-6	020 845
23	Proximity switch inductive at the bottom	231 520	517	Washer16	020 876
24	Light barrier complete	256 825	530	Tension spring 15x1,50x70,94	251 614
26	Guide bar C35	206 560	531	Cap screw M6x12	020 134
27	Rubber buffer	206 561	532	Washer6	020 872
29	Comb guide on the right	255 424	533*	Shim 0,2x12x27	023 735
29a	Driving bolt	255 427	534*	Shim 0,5x12x27	023 736
29b	Angle	240 112	540*	Pan head screw M5x10	023 247



7.3.1 Drive shaft of comb

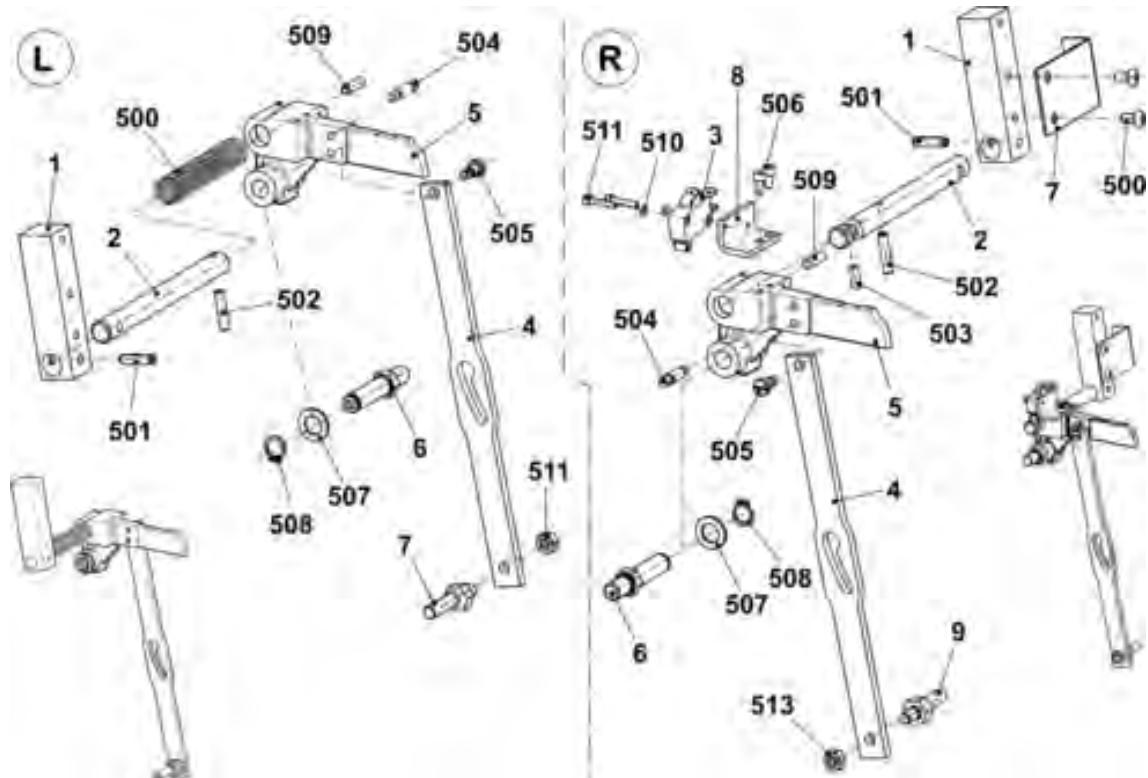
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive shaft comb complete	214 583				
1	Wave	213 969		500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744		502	Setscrew M6x8	022 684
	Always order position 502 additionally			503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394		504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



7.3 Comb take-down on the right

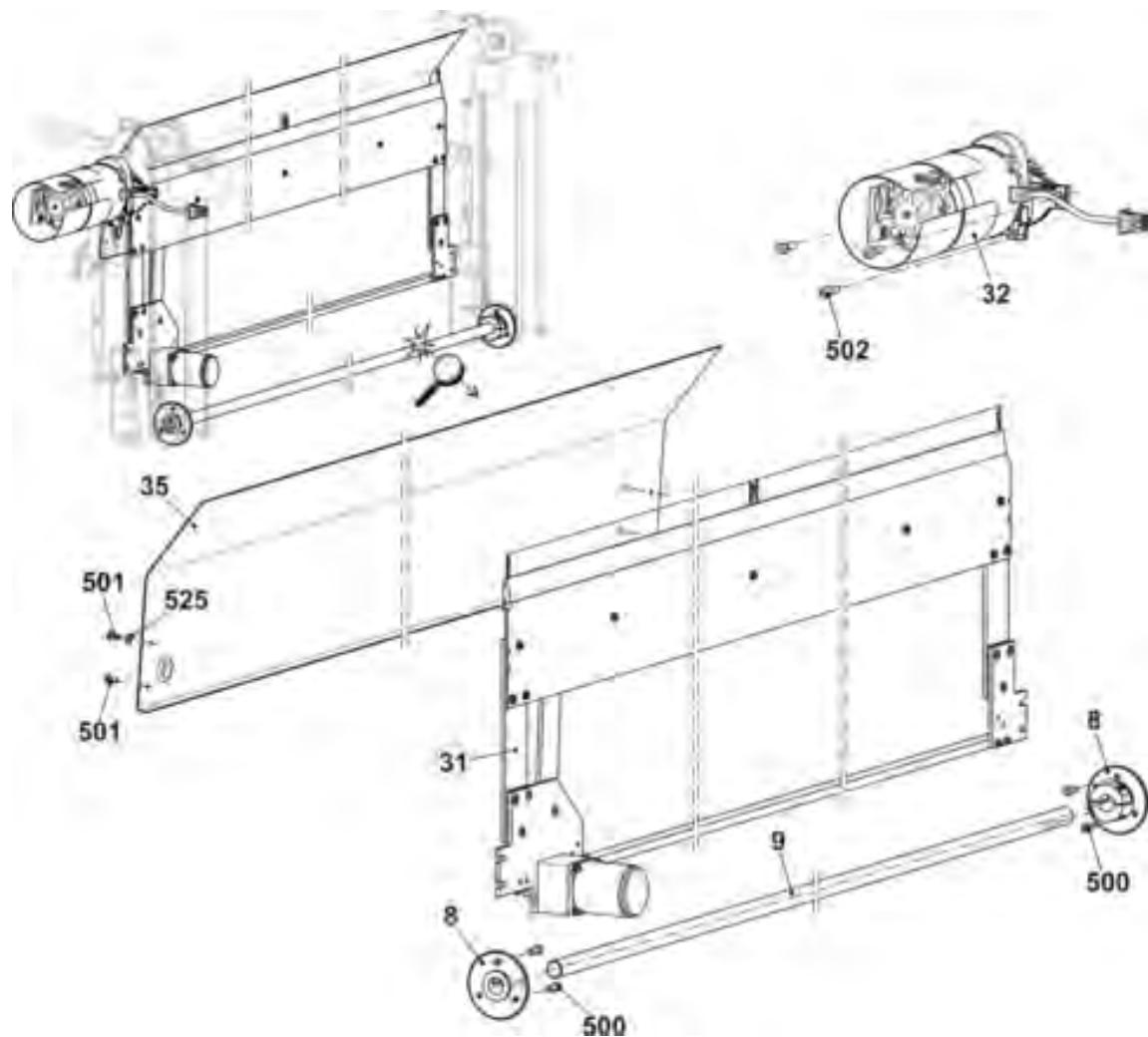
7.3.2 Swivel lever comb take-down

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



7.4 Comb take-down in the middle

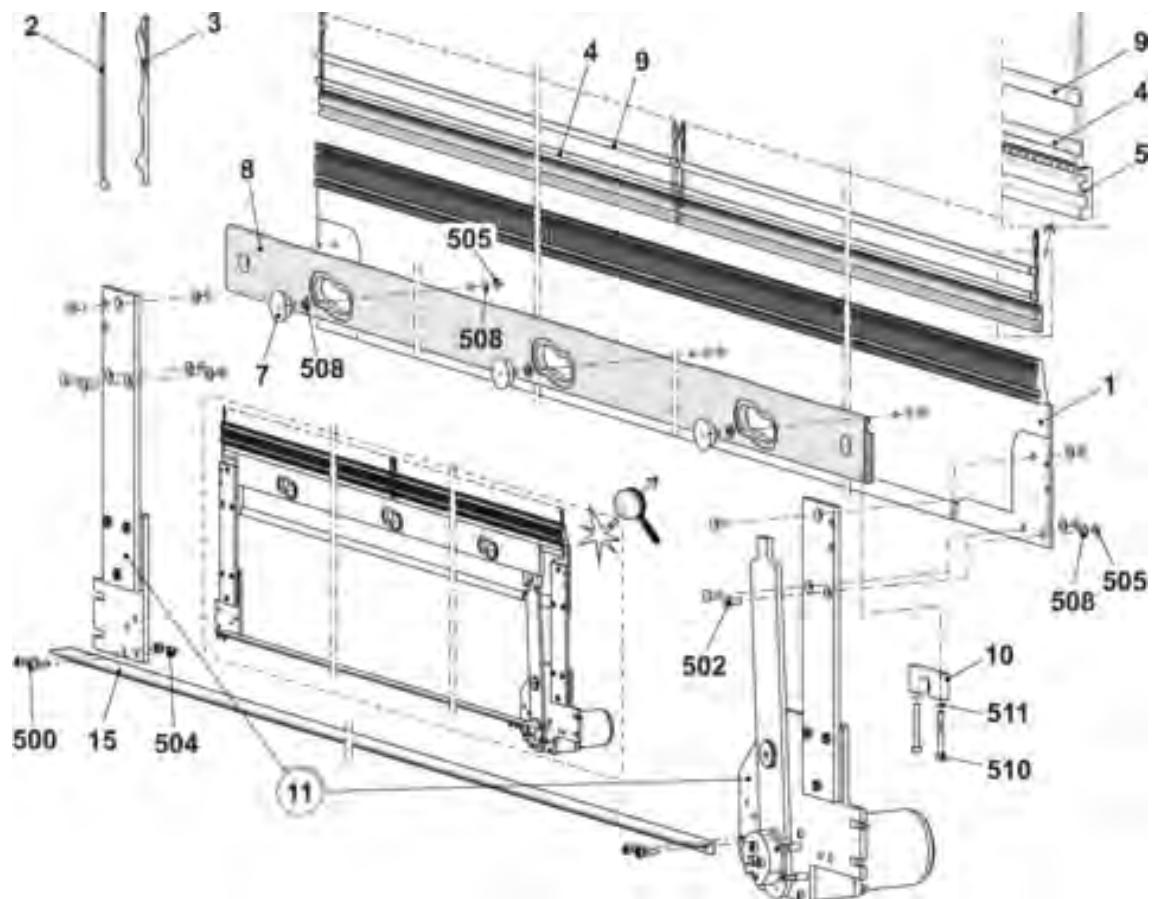
Pos	Designation	ID		Pos	Designation	ID
Σ	Comb take-down in the middle			31	Comb unit	
	E10	262 015			E10	261 990
	E12 E6.2 E6.2(12m.10)	253 789			E12 E6.2 E6.2(12m.10)	252 065
	E14 E7.2 E7.2(14/12)	253 840			E14 E7.2 E7.2(14/12)	252 567
	E16 E8.2	257 020			E16 E8.2	257 017
	E18	257 021			E18	257 019
8	Flange	207 695		32	Motor take-down unit complete	253 803
9	Shaft long	251700		35	Marking plate open	259 238
500	Cap screw M6x16	020 135		502	Cap screw M8x25	020 142
501	Pan head screw M5x10	023 247		525	Serrated lock washer J5,3	022 489



7.4 Comb take-down in the middle

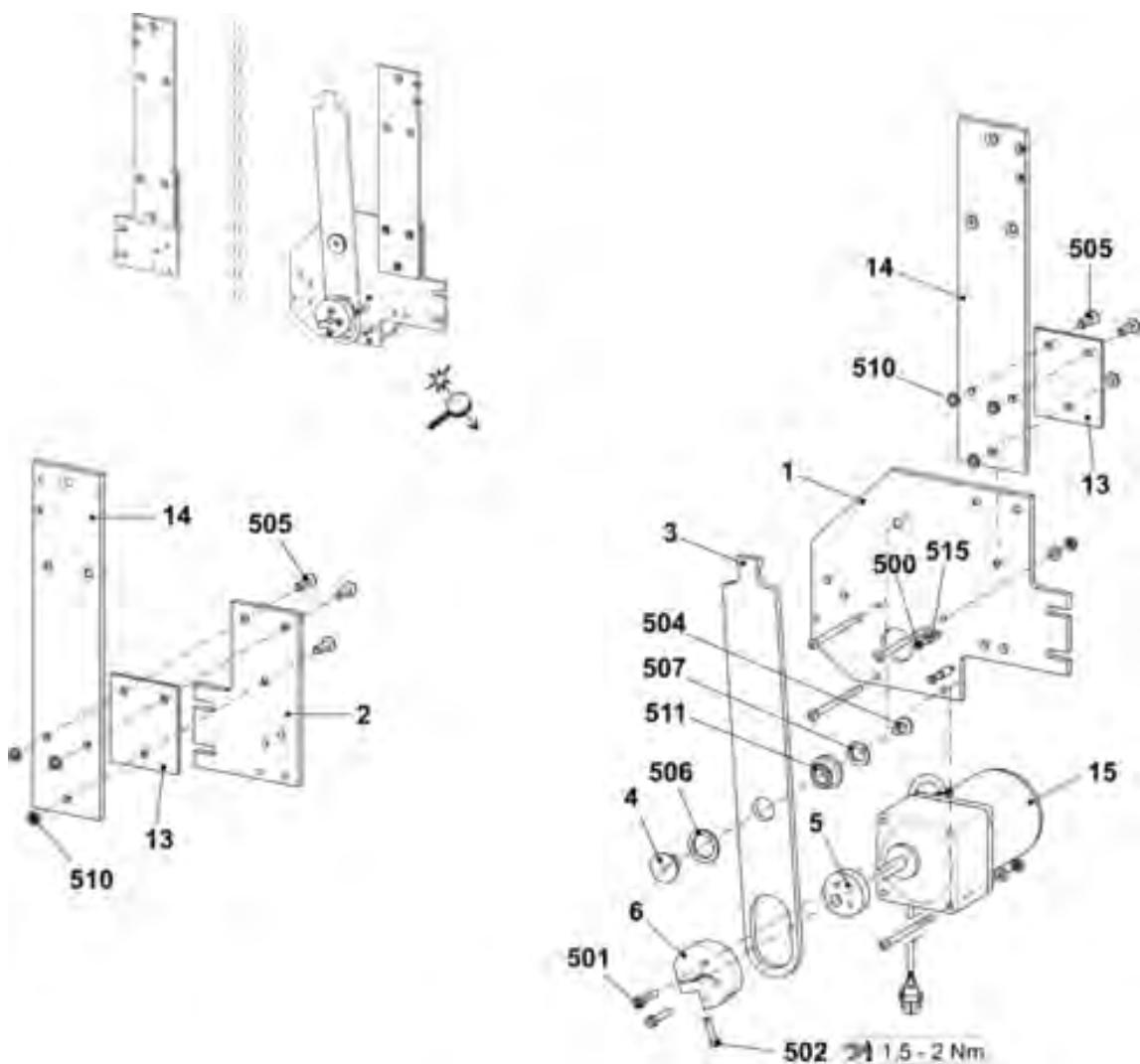
7.4.1 Comb unit

Pos	Designation	Id		Pos	Designation	Id
Σ	Comb unit			5	Hook slider	
	E10	261 990		E10		261 989
	E12 E6.2 E6.2(12m.10)	252 065		E12 E16 E6.2 8.2 E6.2(12m.10)		251 709
	E14 E7.2	252 567		E14 E7.2		251 708
	E16 E8.2	257 017		E18		257 016
	E18	257 019		7	Collar bolt complete	211 036
1	Hook bed			8	Cross slider	251 701
	E10	261 987		9	Cover rail	251 702
	E12 E6.2 E6.2(12m.10)	251 706		10	Plunger	205 678
	E14 E7.2	251 707		11	Switching lever complete	240 060
	E16 E8.2	257 014		15	Stabilizer	263 954
	E18	257 015		500	Cap screw M4x12	022 664
2	Closer			502	Countersunk head screw M5x12	023 340
	E10 E12 E14 E6.2 E7.2 E6.2(12m.10)	230 106		504	Hexagon nut M4-8	023 046
	E16 E18 E8.2	230 107		505	Hexagon nut M5-04	020 854
3	Body			508	Washer5	020 871
	E10 E12 E14 E6.2 E7.2 E6.2(12m.10)	230 094		510	Cap screw M4x35	023 550
	E16 E18 E8.2	230 095		511	Circlip	022 774
4	Cover rail	251 696				



7.4.2 Switching lever comb take-down

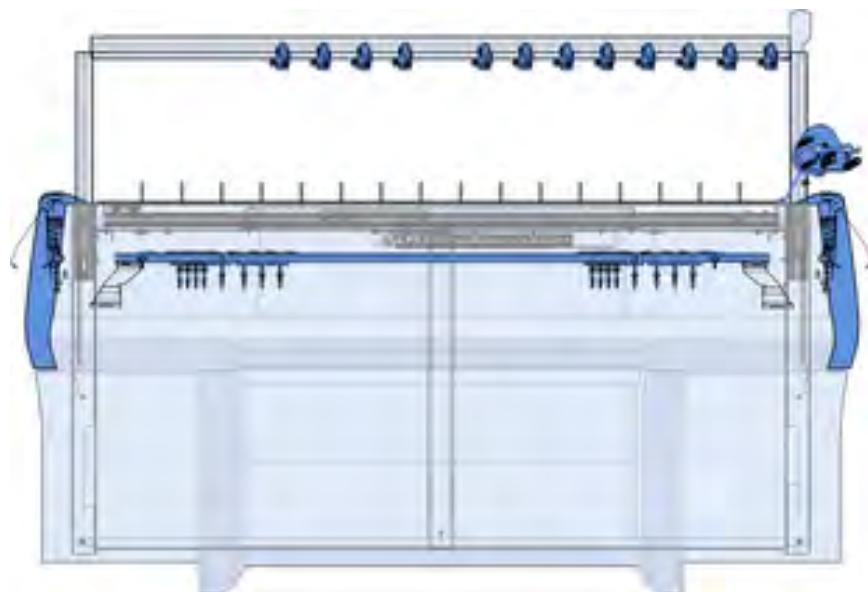
Pos	Designation	Id	Pos	Designation	Id
Σ	Switching lever complete	240 060	500 501 502 504 505 506 507 510 511 515	Cap screw M3x25	023 093
1	Screw-on plate on the right	240 058		Cap screw M4x20	023 171
2	Screw-on plate on the left	240 059		Cap screw M4x16	023 123
3	Lever	215 228		Pan-head screw M6x12	023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



7.4 Comb take-down in the middle

Notes:

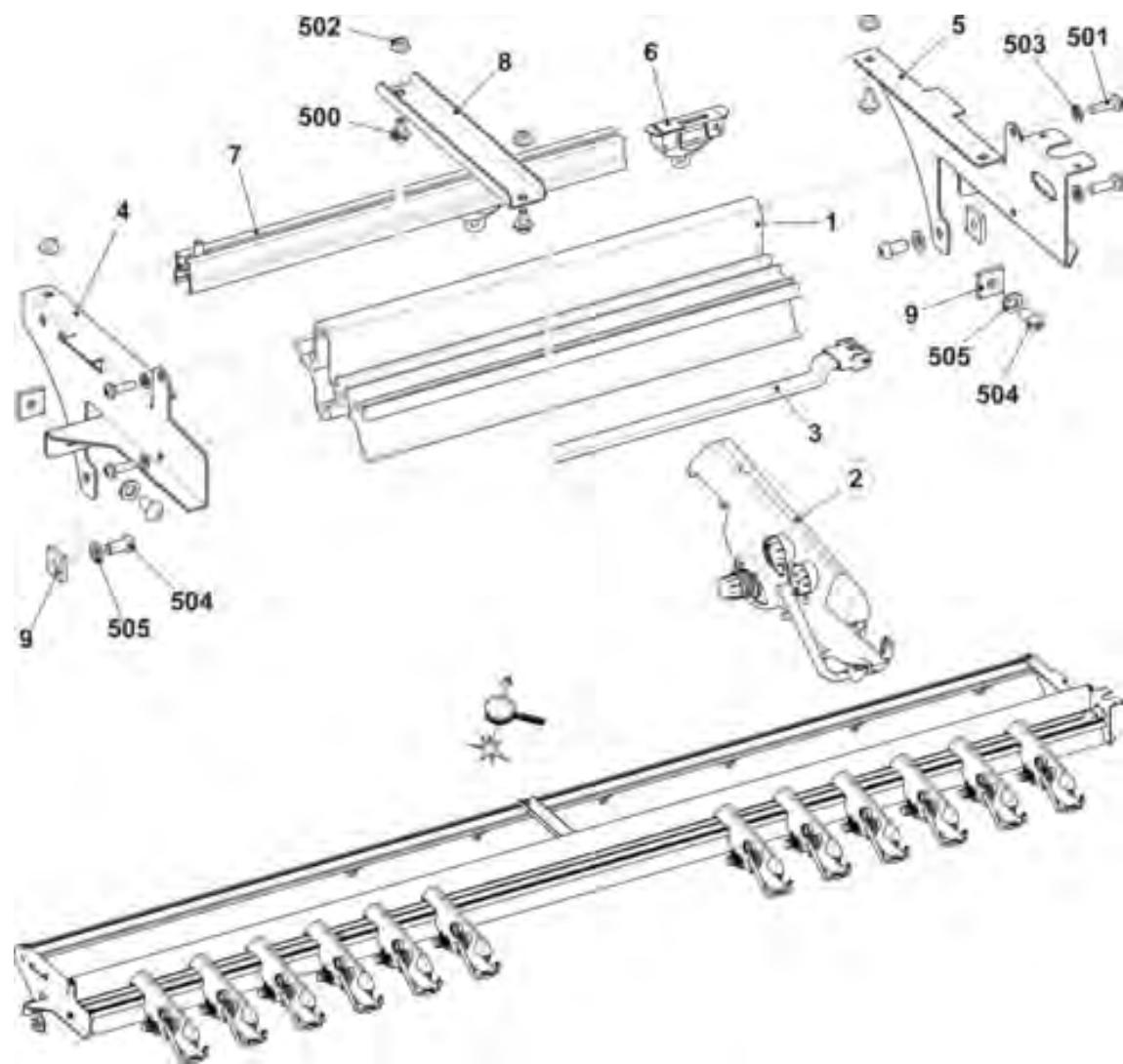
8 Yarn delivery device



8.1 Yarn guide system

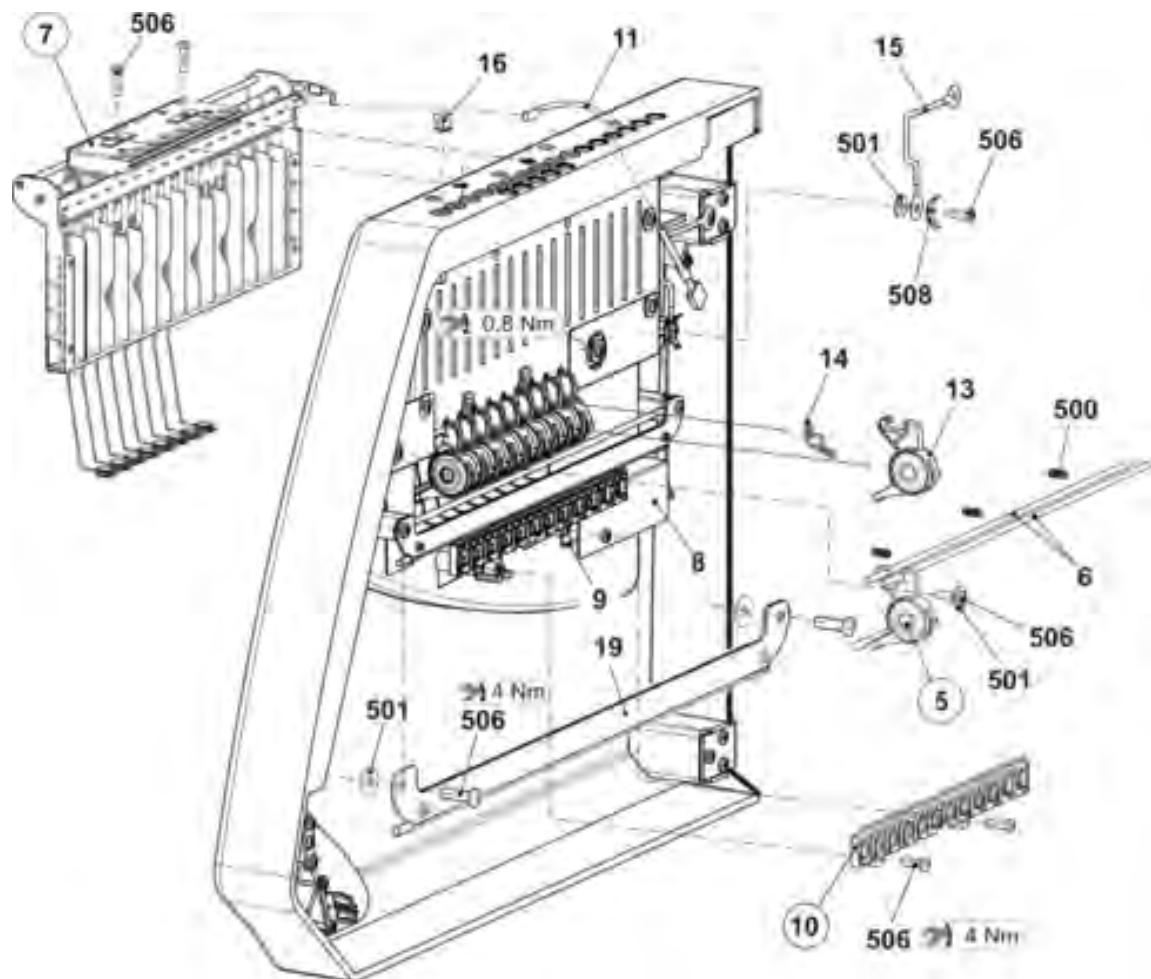
8.1 Yarn guide system

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Yarn guide system 12 FKE 45 E10 E12 E14 E16 E18	256 929			
	Yarn guide system 14 FKE 45 E6.2(12m.10 E7.2(14/12 E6.2 E7.2 E8.2	264 342	8	Support	243 792
1	Support	251 628	9	Slot nut	228 851
2	Yarn control device(FKE)	237 124	500	Self-locking screw M6x12	023 415
3	Connection cable FKE E2	251 653	501	Screw M6x20	023 721
4	Support on the left	251 630	502	Serrated nut M6-10	023 414
5	Support on the right	251 629	503	Washer6	022 431
6	Yarn guide bracket complete	241 581	504	Pan-head screw M8x16	023 113
7	Yarn guide bar	251 631	505	Serrated lock washer	023 388



8.2 Left yarn guide

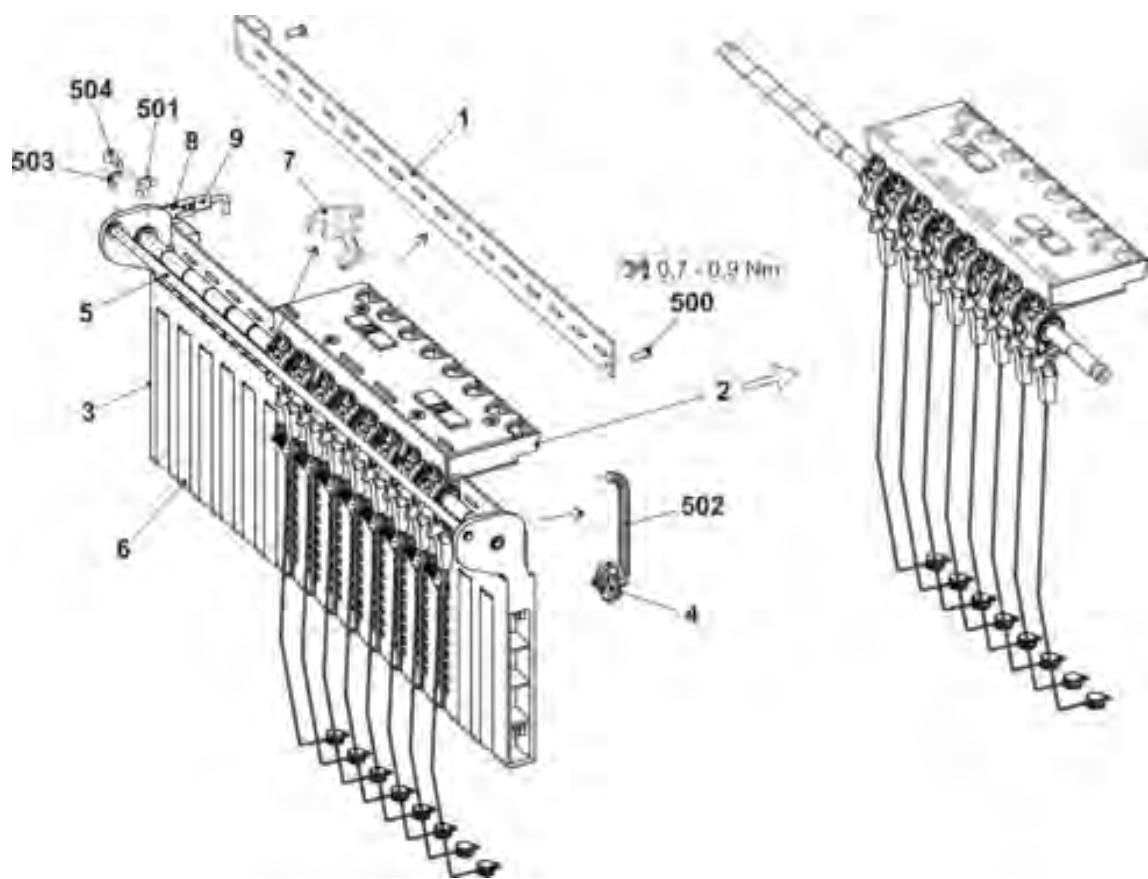
Pos	Designation	Id	Pos	Designation	Id
Σ	Safety door on the left complete		11	Connection cable yarn tensionerokc	240 808
	E10 E12 E14 E7.2 E6.2(12m.10) E7.2 (14/12) E16 E18 E8.2	260 593	13	Yarn brake not adjustable	244 356
	E6.2	256 905	14	Clamping bow	244 409
5	Yarn brake complete	244 347	15	Ground cable	244 404
6	Wave	241 318	19	Stop bar on the left complete	258 454
7	Yarn tensioner on the left complete		16	Ceramic eyelet	240 640
	E10 E12 E14 E7.2 E6.2(12m.10) E7.2 (14/12) E16 E18 E8.2	264 088	500	Compression spring 0,90x5,40x13,60	241 360
	E6.2	264 087	501	Washer6	022 537
8	Cover on the left	256 901	506	Screw KB 60x20	237 682
9	Wire bow on the left	241 370	508	Flat connector 2x45° M6	243 117
10	Yarn deflector on the left	256 902			



8.2 Left yarn guide

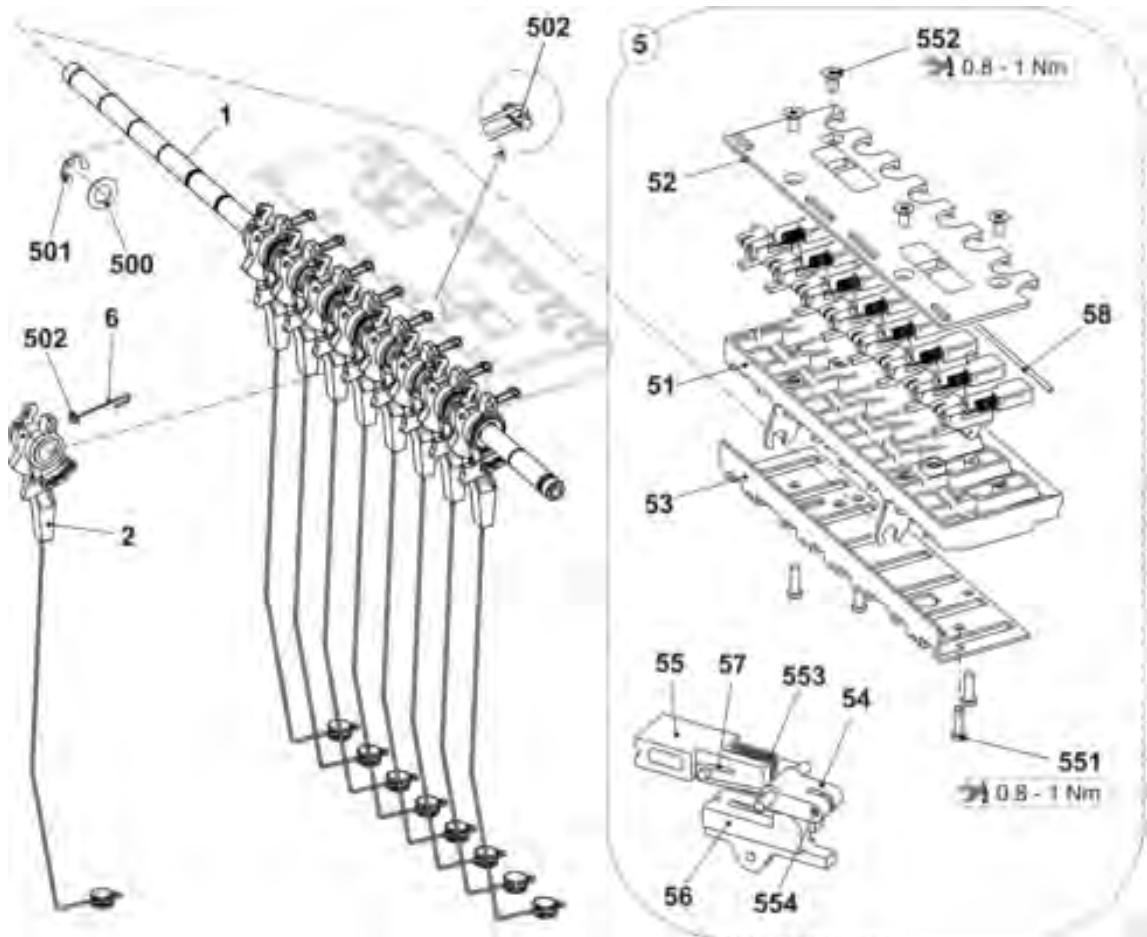
8.2.1 Left yarn tensioner

Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the left complete					
	E10 E12 E14 E7.2 E6.2(12m.10) E7.2 (14/12) E16 E18 E8.2	264 088		7	Spacer	242 048
	E6.2	264 087		8	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the left	241 345		9	Ground cable yarn tensioner okc	243 105
2	Tension axle on the left complete E10-18	264 091		500	Screw KB 30x8	236 228
	Tension axle on the left complete E5-8 (E6.2)	264 090		501	Circlip	021 022
3	Housing	241 367		502	Tension spring 4,9x0,5x53 E6.2	023 503
4	Slider	241 694			Tension spring E10 E12 E14 E7.2 E6.2(12m.10) E7.2(14/12) E16 E18 E8.2	023 504
5	Stop point	241 368		503	Circlip	021 020
6	Border	242 268		504	Countersunk screw M4x10	241 914



8.2.1.1 Left tension axle

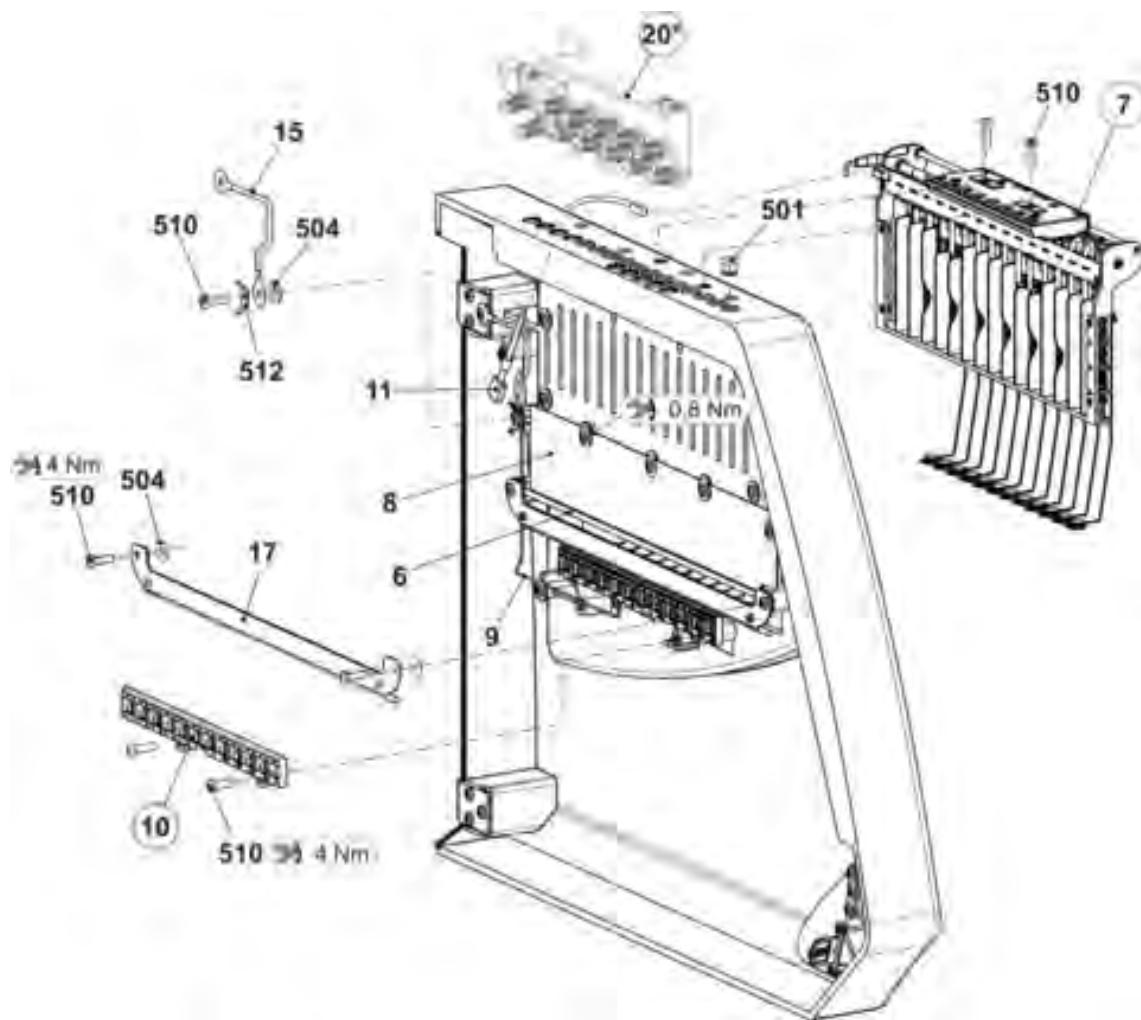
Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle on the left complete		5	Thread clamp AKF	238 695
	E10 E12 E14 E7.2 E6.2(12m.10) E7.2 (14/12) E16 E18 E8.2	264 091	51	HousingAKF	238 689
	E6.2	264 090	52	Cover AKF	237 926
1	Axle	243 107	53	Sheet metal at the bottom (housing AKF)	240 719
2	Tension arm pre-assembled		54	Lever AKF	238 692
	E10 E12 E14 E7.2 E6.2(12m.10) E7.2 (14/12) E16 E18 E8.2	258 459	55	Pressure piece AKF	238 690
	E6.2	259 448	56	SliderAKF	238 691
6	Wire bow	238 694	57	Wire bow	238 694
500	Shim ring 8x14x0,5	023 501	58	Wire	237 940
501	Circlip	021 022	551	Screw KB 35x12	237 681
502	Grooved pin 2x6	243 172	552	Screw KB 40x8	236 227
			553	Compression spring 0,30x4,50x18,50	241 437
			554	Grooved pin 2x6	243 172



8.3 Right yarn guide

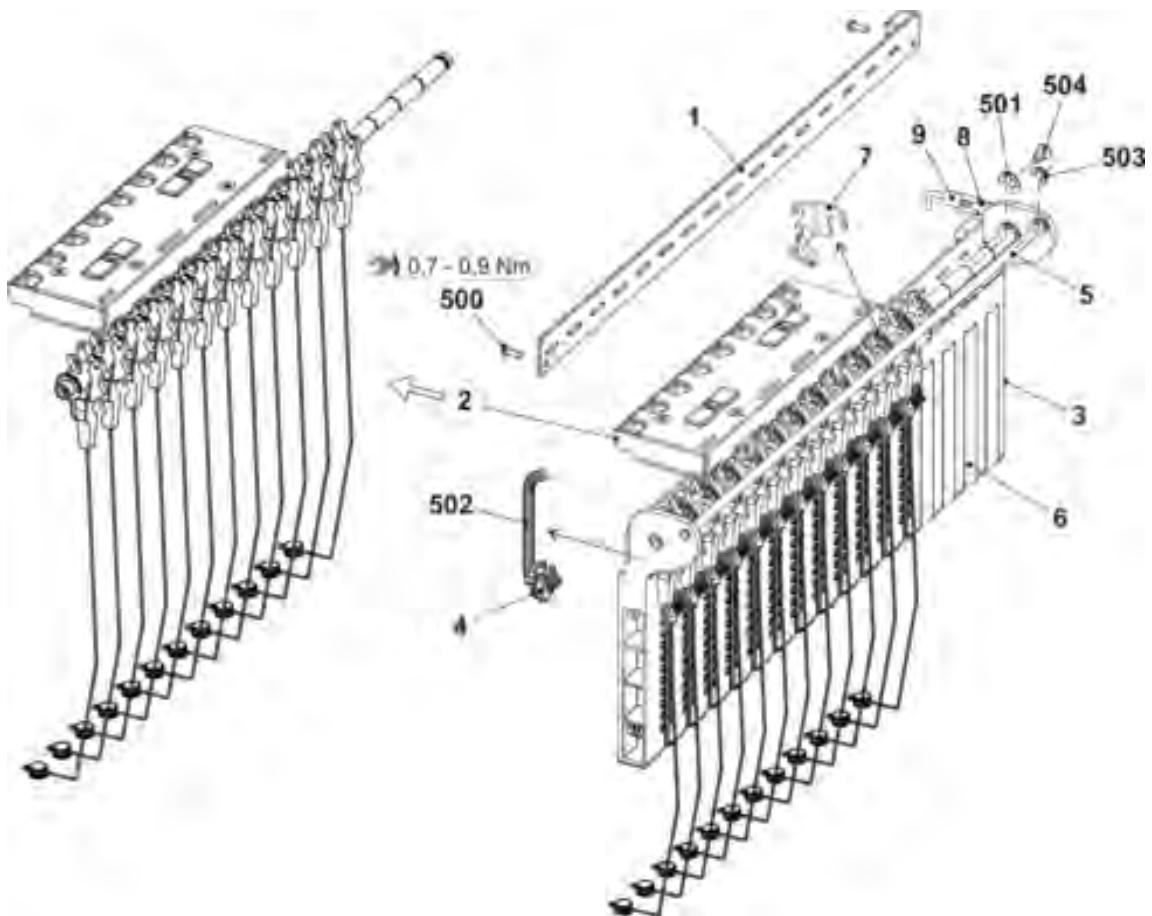
**E10|E12|E14|E16|E18|E6.2(12m.10)|E7.2
(14/12)|E7.2|E8.2**

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety door on the right complete E10-18	241 276	15	Ground cable	244 404
6	Wave	241 318	17	Stop bar on the right complete	258 562
7	Yarn tensioner on the right complete E10-18	241 384	20*	Stopping device 12-fold on the right complete	260 341
8	Cover plate 16-fold	259 400	501	Ceramic eyelet	240 640
9	Wire bow on the right	241 369	504	Washer6	022 537
10	Yarn deflector	242 011	510	Screw KB 60x20	237 682
11	Connection cable yarn tensionerokc	240 808	512	Flat connector 2x45° M6	243 117



8.3.1 Right yarn tensioners E10-18

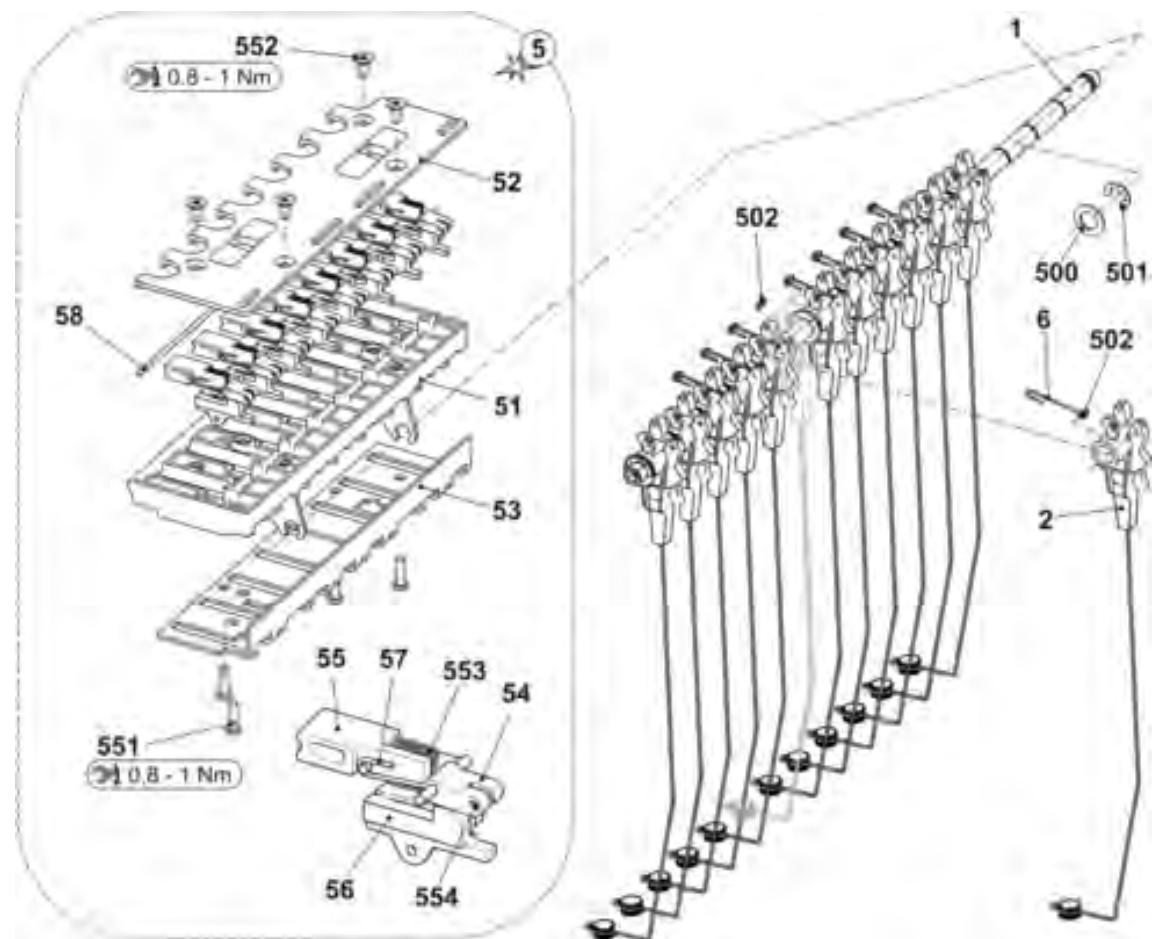
Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the right complete E10-18	241 384	8.3.1 Right yarn tensioners E10-18	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the right	241 346		Ground cable yarn tensioner okc	243 105
2	Tension axle on the right complete	241 380		Screw KB 30x8	236 228
3	Housing	241 367		Circlip	021 022
4	Slider	241 694		Tension spring 4,9x0,45x53	023 504
5	Stop point	241 368		Circlip	021 020
6	Border	242 268		Countersunk screw M4x10	241 914
7	Spacer	242 048			



8.3 Right yarn guide E10|E12|E14|E16|E18|E6.2(12m.10)|E7.2(14/12)|E7.2|E8.2

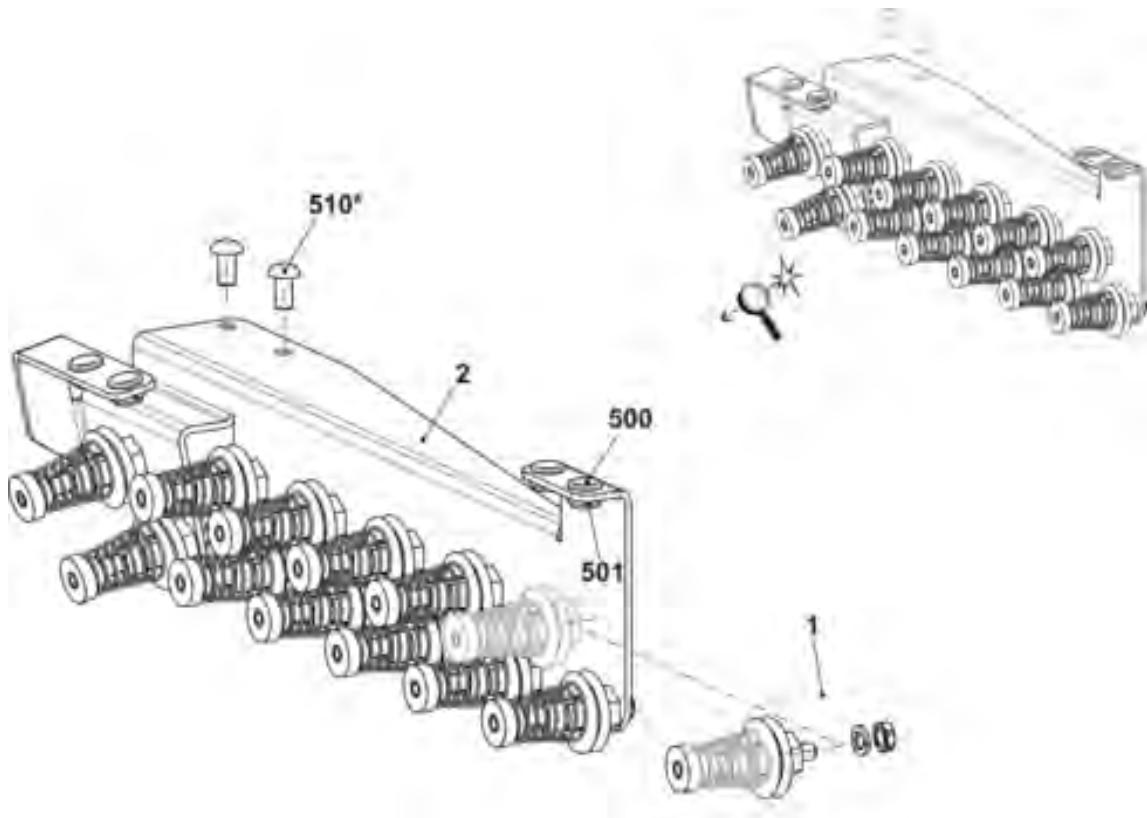
8.3.1.1 Right tension axle E10-18

Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle on the right complete E10-18	241 380		56	SliderAKF	238 691
1	Axle	243 107		57	Wire bow	238 694
2	Tension arm pre-assembled E10-18	258 459		58	Wire	237 940
6	Wire bow	238 694		551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695		552	Screw KB 40x8	236 227
51	HousingAKF	238 689		553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926		554	Grooved pin 2x6	243 172
53	Sheet metal at the bottom (housing AKF)	240 719		500	Shim ring 8x14x0,5	023 501
54	Lever AKF	238 692		501	Circlip	021 022
55	Pressure piece AKF	238 690		502	Grooved pin 2x6	243 172



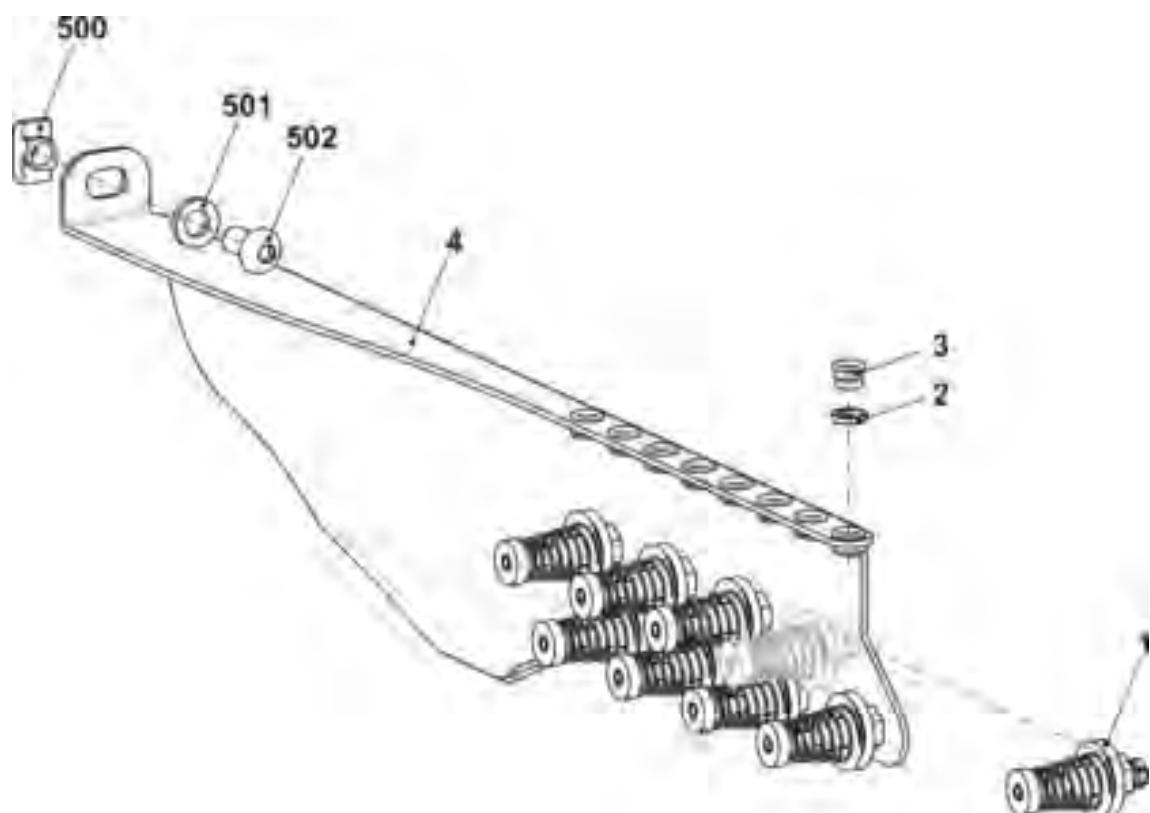
8.3.2 Stopping device on the right

Pos	Designation	Id		Pos	Designation	Id
Σ	Stopping device 12-fold on the right complete	260 341		500	Eyelet 4,2	021 502
1	Yarn brake E10-18	259 440		501	Clamping ring for sintered ceramics eye	259 606
2	Support plate on the right	260 287		510*	Pan head screw M5x10	023 247



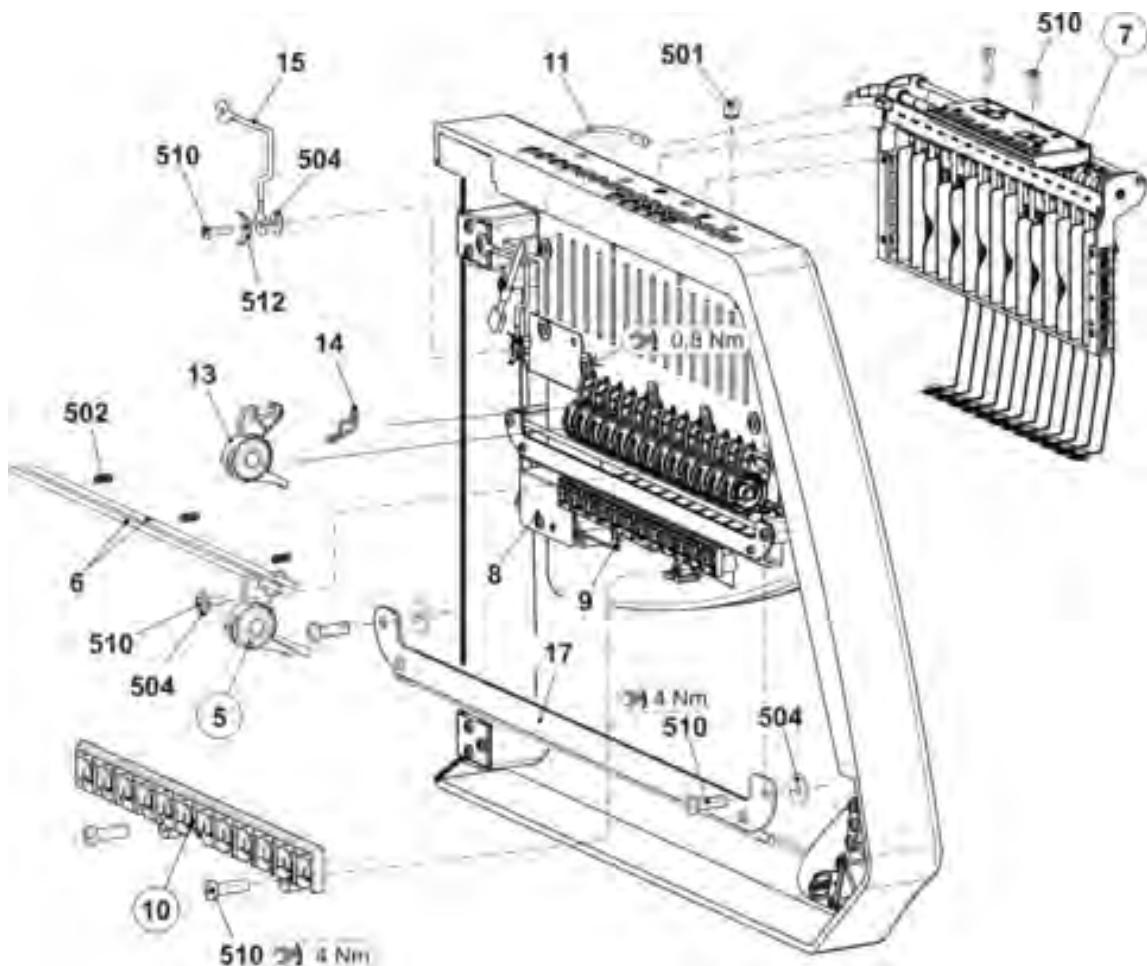
8.3.3 Yarn brake complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Support yarn brake 520 complete	260 727		4	Support yarn brake	260 726
1	Yarn brake	259 440		500	Hammer-head nut	261 845
2	Clamping ring for sintered ceramics eye	259 606		501	Serrated lock washer J 8,4	023 388
3	Eyelet 4,2	021 502		502	Pan head screw M8x16	023 113



8.4 Right yarn guide E6.2

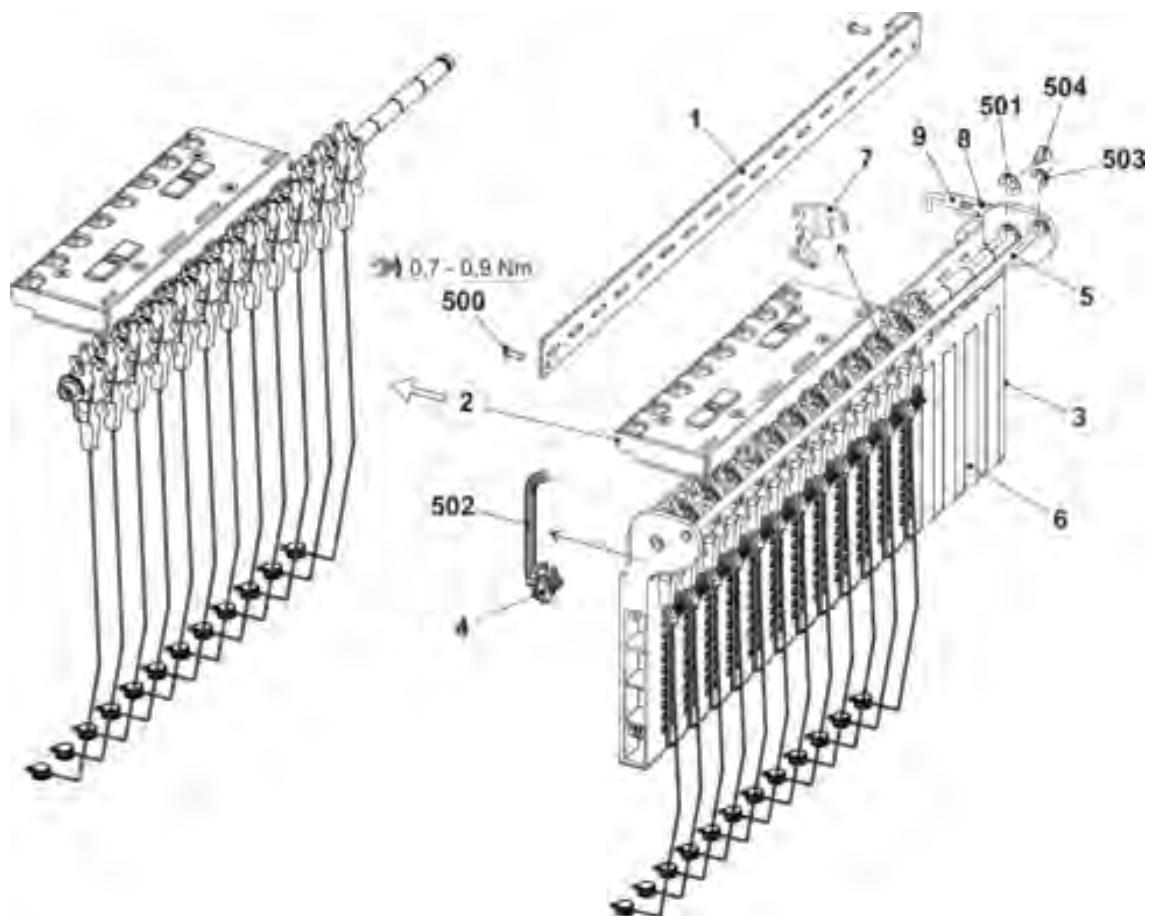
Pos	Designation	Id	Pos	Designation	Id
Σ	Safety door on the right complete E7-8	241 275	14 15 17 501 502 504 510 512	Clamping bow	244 409
5	Yarn brake complete	244 347		Ground cable	244 404
6	Wave	241 318		Stop bar on the right complete	258 562
7	Yarn tensioner on the right complete E7-8	241 383		Ceramic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



8.4 Right yarn guide E6.2

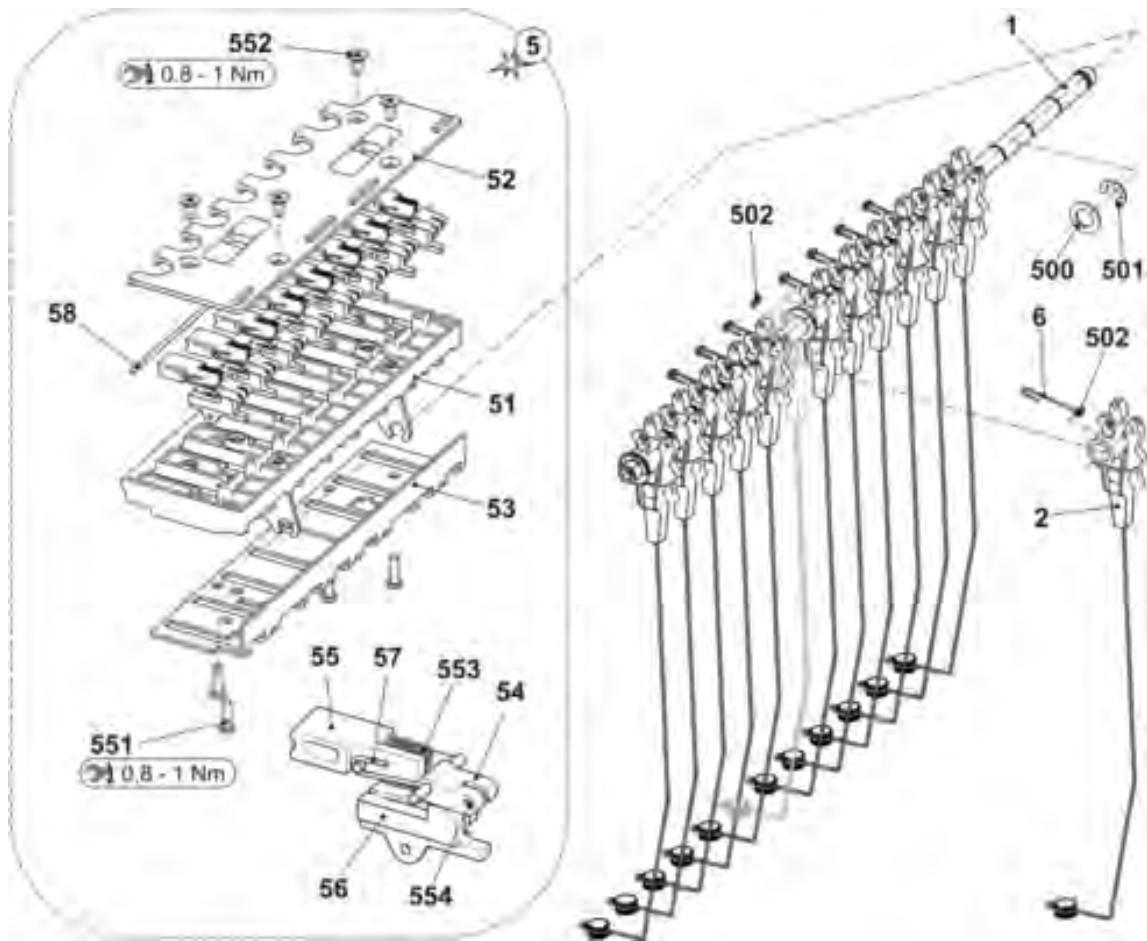
8.4.1 Right yarn tensioners E6.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the right complete E7-8	241 383			
1	Card yarn tensioner 16-fold on the right	241 346	8	Grounding plate of tension axle	243 121
2	Tension axle on the right complete	241 379	9	Ground cable yarn tensioner okc	243 105
3	Housing	241 367	500	Screw KB 30x8	236 228
4	Slider	241 694	501	Circlip	021 022
5	Stop point	241 368	502	Tension spring 4,9x0,5x53	023 503
6	Border	242 268	503	Circlip	021 020
7	Spacer	242 048	504	Countersunk screw M4x10	241 914



8.4.1.1 Right tension axle E6.2

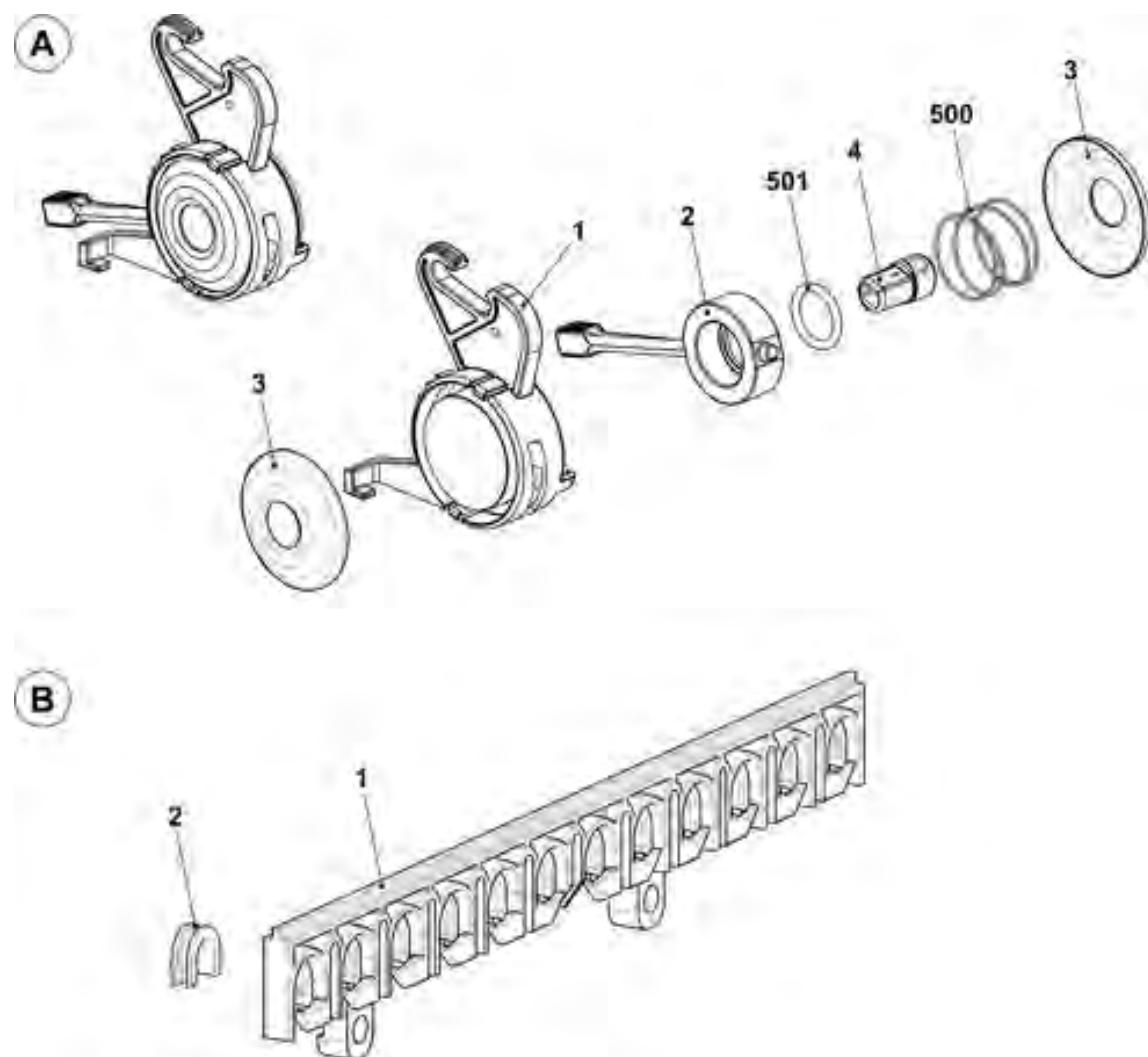
Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle on the right complete E3-8	241 379		56	SliderAKF	238 691
1	Axle	243 107		57	Wire bow	238 694
2	Tension arm pre-assembled E3-8	259 448		58	Wire	237 940
6	Wire bow	238 694		551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695		552	Screw KB 40x8	236 227
51	HousingAKF	238 689		553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926		554	Grooved pin 2x6	243 172
53	Sheet metal at the bottom (housing AKF)	240 719		500	Shim ring 8x14x0,5	023 501
54	Lever AKF	238 692		501	Circlip	021 022
55	Pressure piece AKF	238 690		502	Grooved pin 2x6	243 172



8.4 Right yarn guide E6.2

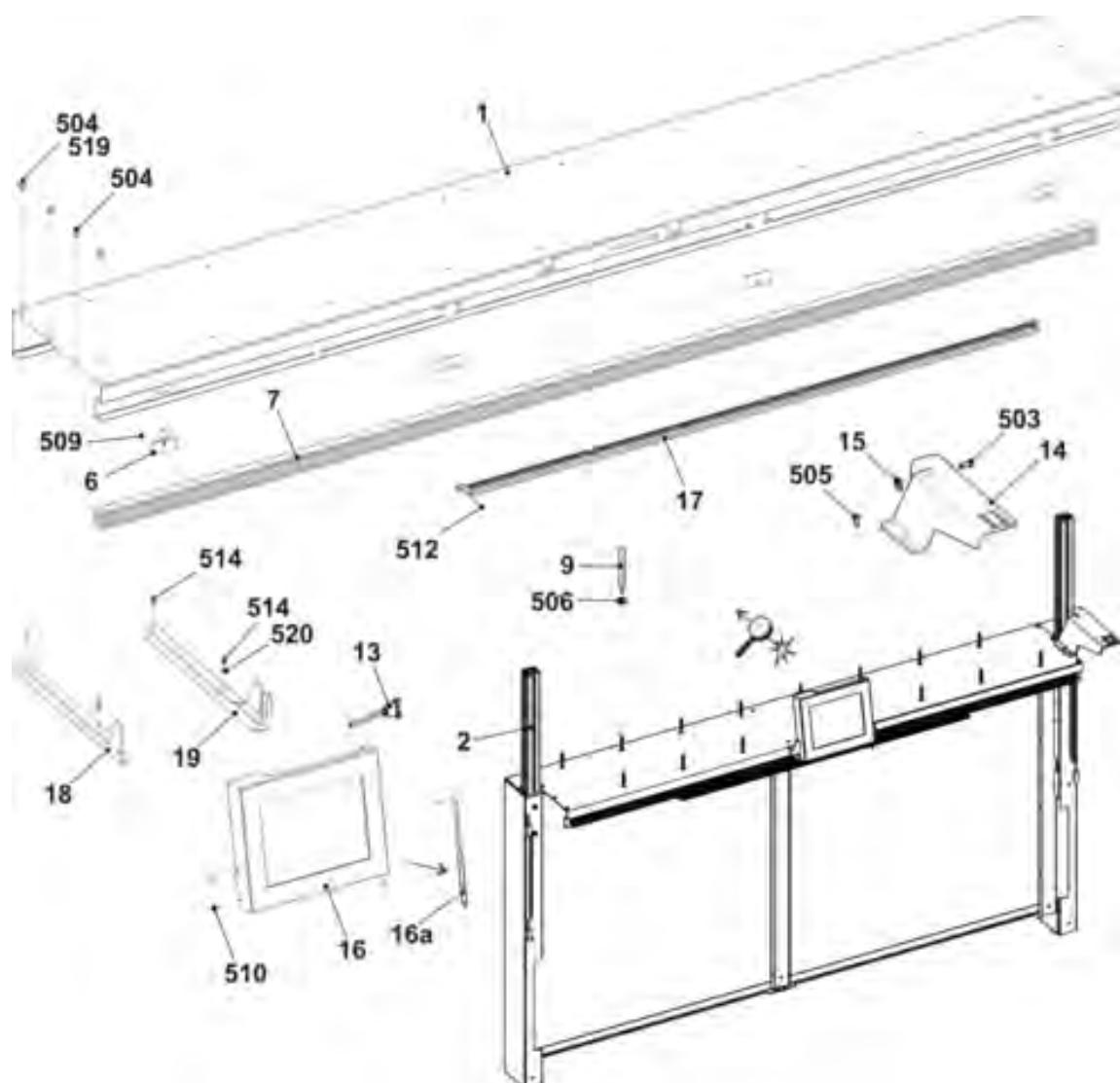
8.4.2 Yarn brake and yarn deflector

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



8.5 Bobbin board

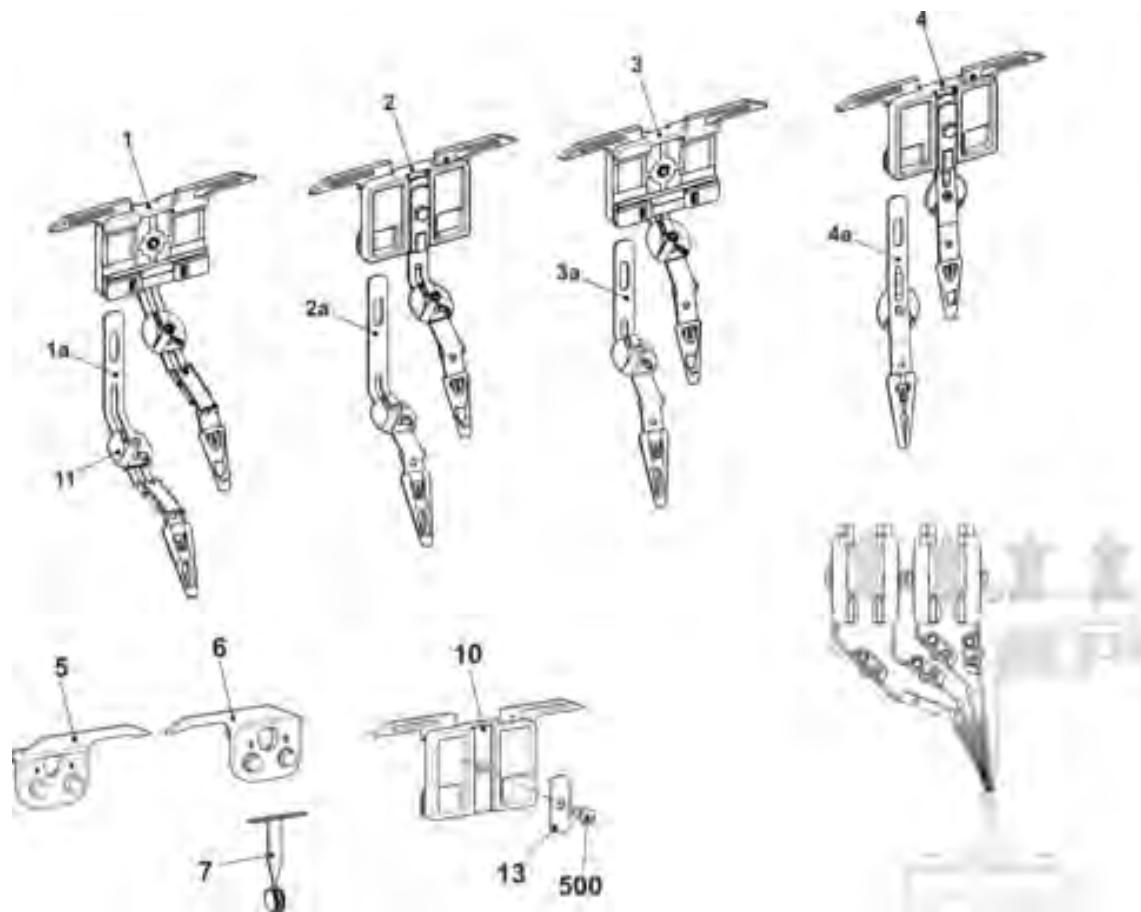
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Table complete45"	264 001			
1	Table	264 002	18	Display support on the left	264 192
2	Support element	228 594	19	Display support on the right	264 191
7	Guide rail at the top	264 129	503	Pan head screw M8x18	251 331
9	Positioning pin	204 819	504	Pan head screw M8x10	241 930
13	Cable USB extension BM2	253 706	505	Pan head screw M8x16	023 113
14	Support of right feed wheel	250 967	506	Washer5	020 901
15	Slot nut	228 851	510	Pan head screw M5x8	239 408
16	Display touch complete	264 093	514	Pan head screw M6x108	023 183
16a	Pencil touch	242 812	519	Washer8,2x16,2x1,4	023 679
17	Lamp LED complete 1200	263 648	520	Washer6,1x12,2x1,2	023 598



8.6 Yarn guide complete

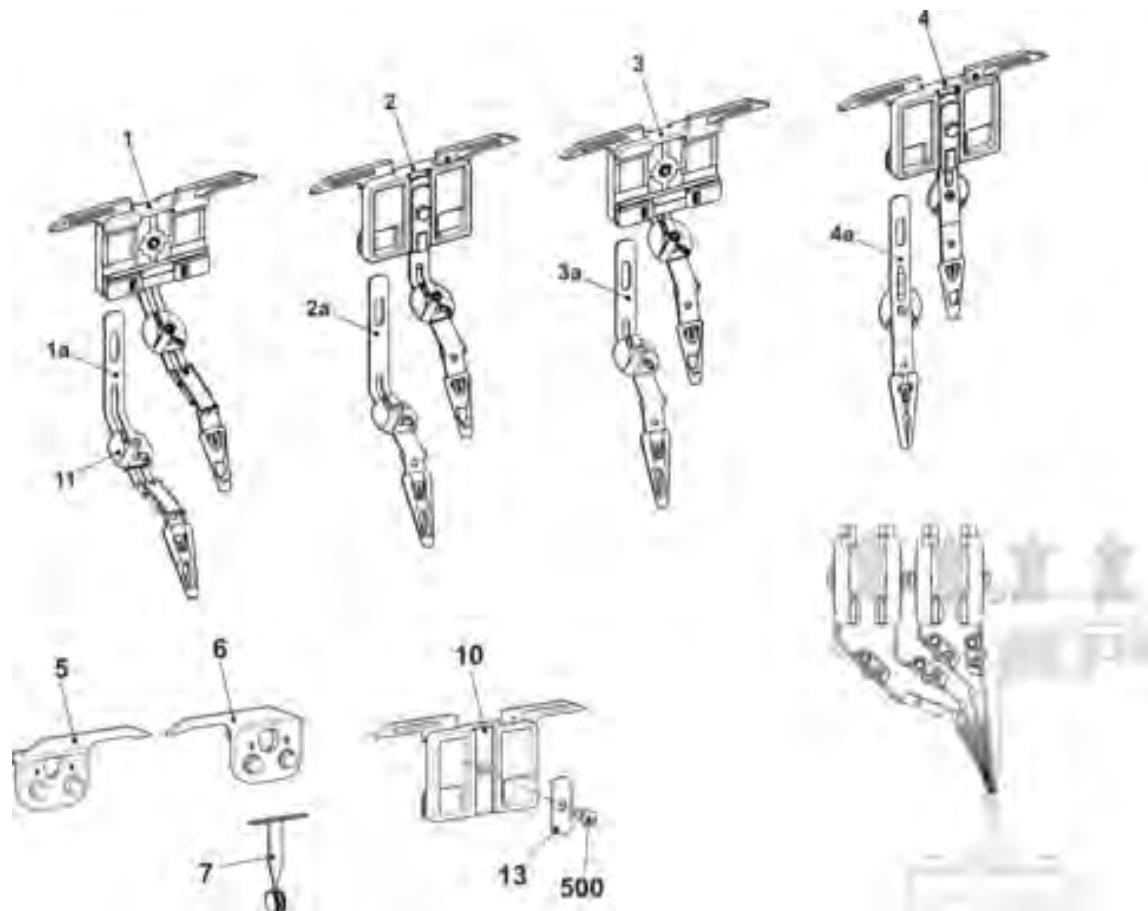
E10|E12|E14|E16|E18|E6.2(12m.10)
|E7.2|14/12|E7.2|E8.2

Pos	Designation	Track	Id. no.	Pos	Designation	Id. no.
Σ	Yarn guide complete					
	E10 E12 E14 E6.2(12m.10) E7.2(14/12) E8.2		253 832			
	E16 E18		256 932			
	E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2 E8.2			E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2 E8.2		
1	FF carriage complete E10-14	1+8	243 943	1a	FF bow 1+8 complete E10-14	212 994
2	FF carriage complete E10-14	2+7	243 942	2a	FF bow 2+7 complete E10-14	212 996
3	FF carriage complete E10-14	3+6	243 941	3a	FF bow 3+6 complete E10-14	212 995
4	FF carriage complete E10-14	4+5	243 940	4a	FF bow 4+5 complete E10-14	212 997
	E16 E18			E16 E18		
1	FF carriage complete E16-18	1+8	243 947	1a	FF bow 1+8 complete E16-18	223 199
2	FF carriage complete E16-18	2+7	243 946	2a	FF bow 2+7 complete E16-18	223 201
3	FF carriage complete E16-18	3+6	243 945	3a	FF bow 3+6 complete E16-18	223 200
4	FF carriage complete E16-18	4+5	243 944	4a	FF bow 4+5 complete E16-18	223 202
5	Limiter on the left complete		244 099	11	Yarn guide star complete	209 257
6	Limiter on the right complete		244 098	13	Shim	213 035
7	Slider with eyelet		230 709	500	Hexagon screw M5x10	020 351
10	FF carriage complete		243 062			



8.7 Yarn guide complete E6.2

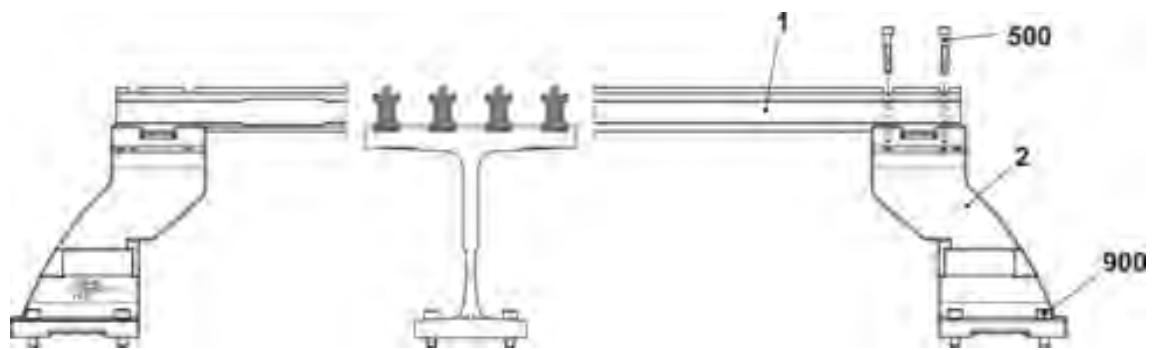
Pos	Designation	Track	Id. no.		Pos	Designation	Id. no.
Σ	Yarn guide complete E7 E6.2		253 831				
1	FF carriage complete E7-8	1+8	243 939		1a	FF bow 1+8 complete E7-8	212 892
2	FF carriage complete E7-8	2+7	243 938		2a	FF bow 2+7 complete E7-8	212 914
3	FF carriage complete E7-8	3+6	243 937		3a	FF bow 3+6 complete E7-8	212 925
4	FF carriage complete E7-8	4+5	243 936		4a	FF bow 4+5 complete E7-8	212 910
5	Limiter on the left complete		244 099		11	Yarn guide star complete	209 257
6	Limiter on the right complete		244 098		13	Shim	213 035
7	Slider with eyelet		230 709		500	Hexagon screw M5x10	020 351
10	FF carriage complete		243 062				



8.8 Bar unit

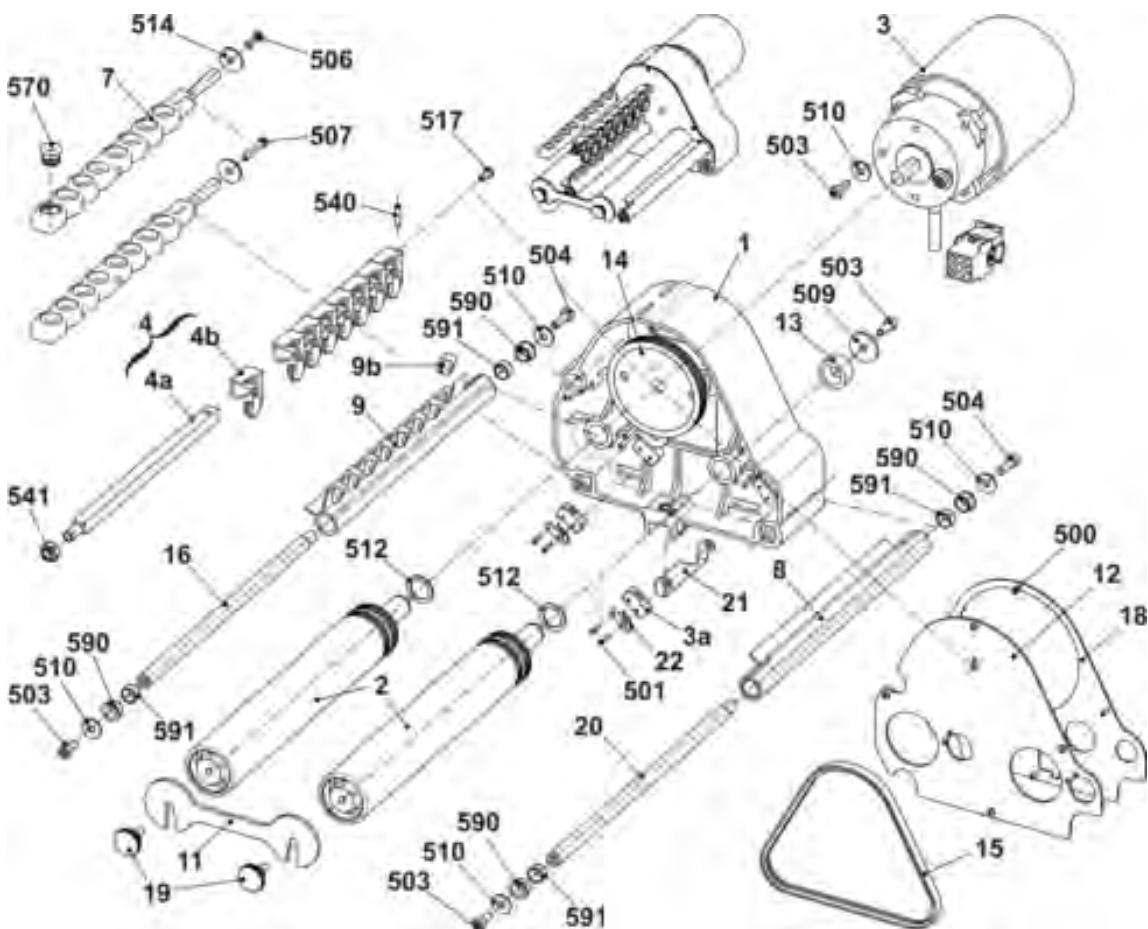
8.8 Bar unit

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Bar unit				
1	Yarn carrier rail	255 463	500	Cap screw M6x35	020 139
2	FF support	252 010	900	Cap screw M8x25	020 142



8.9 Right friction feed wheel

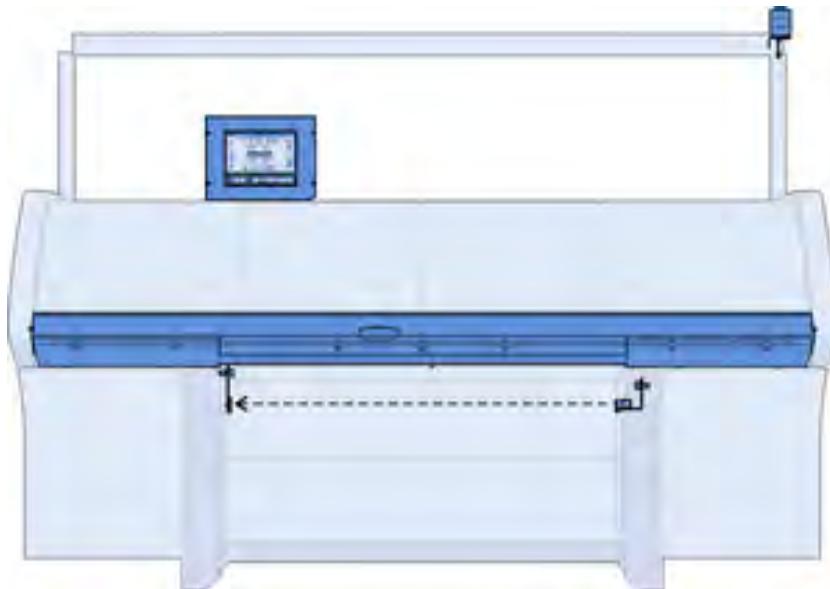
Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the right complete	243 572	14	V-ribbed belt pulley	221 268
1	Housing	240 368	15	Ribbed V-belt V3J 406	206 927
2	Friction roller complete	231 704	16	Rod	221 319
3	Three-phase AC motor complete	219 800	18	Cover	230 758
3a	Microswitch	008 664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



8.9 Right friction feed wheel

Notes:

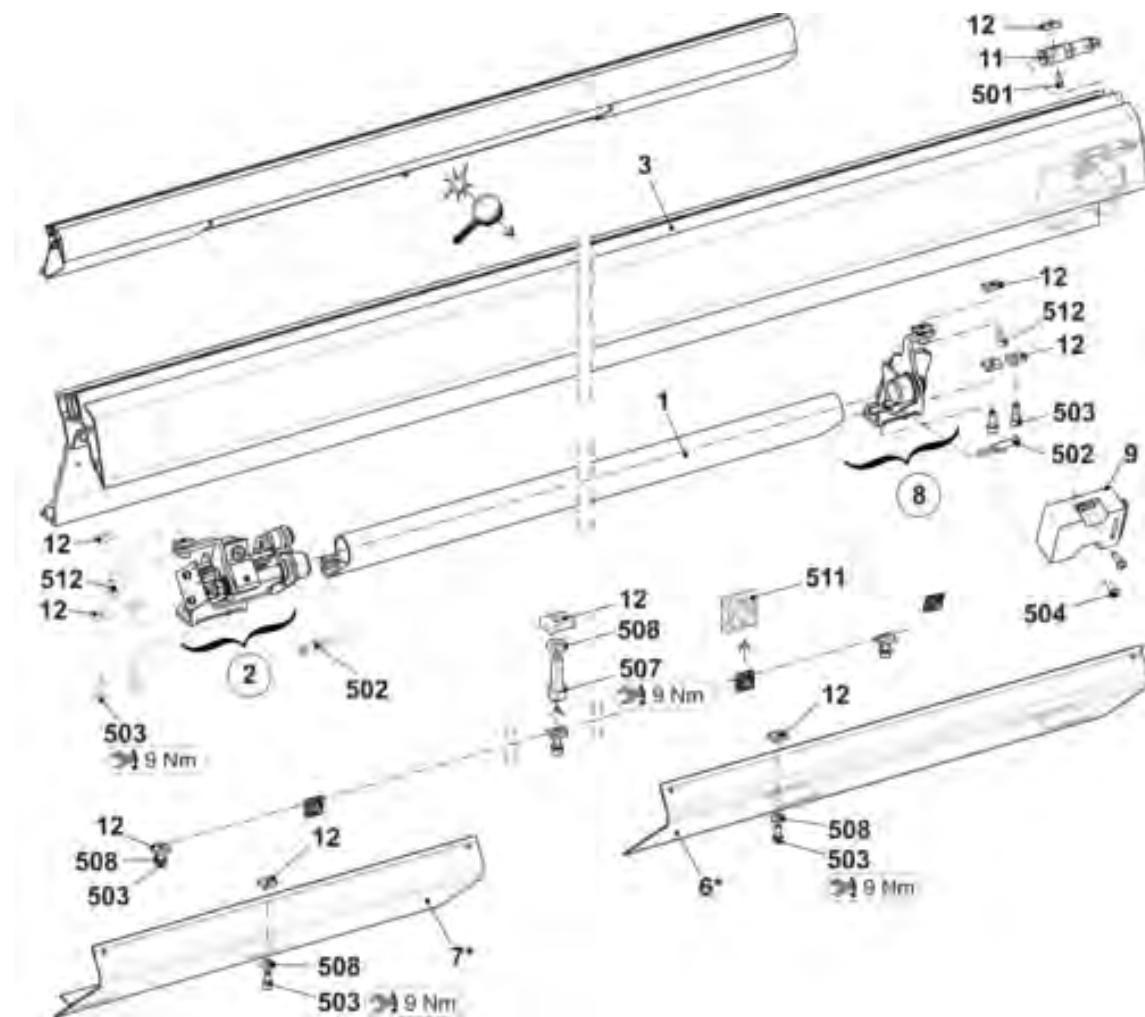
9 Operation and control



9.1 Starting device

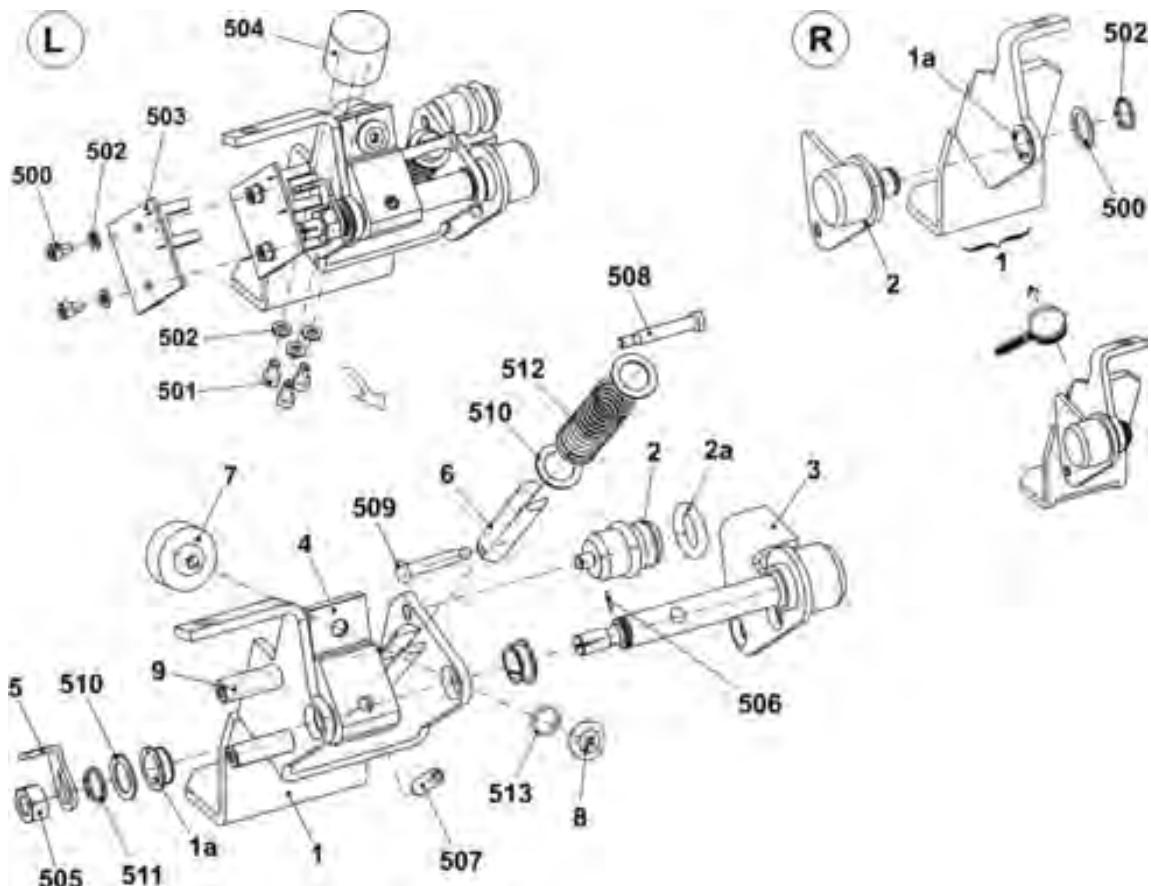
9.1 Starting device

Pos	Designation	Id		Pos	Designation	Id
Σ	Starting device	256 914				
1	Engaging rod	251 686		501	Cap screw M4x10	023 136
2	Bearing on the left complete	250 071		502	Screw M6x25	023 510
3	Guide rail at the bottom pre-assembled	256 915		503	Cap screw M6x16	020 135
6*	Cover plate on the right	251 691		504	Pan head screw M5x14	023 588
7*	Cover plate on the left	251 690		507	Cap screw M6x20-12.9	020 136
8	Bearing on the right complete	252 964		508	Washer6	020 872
9	Cable switch safety doors	223 350		511	Cable holder	262 037
11	Locating bolt	219 107		512	Cap screw M6x10	023 690
12	Slot nut	225 099		513	Pan head screw M5x10	023 247



9.1.1 Bearing of the engaging rod

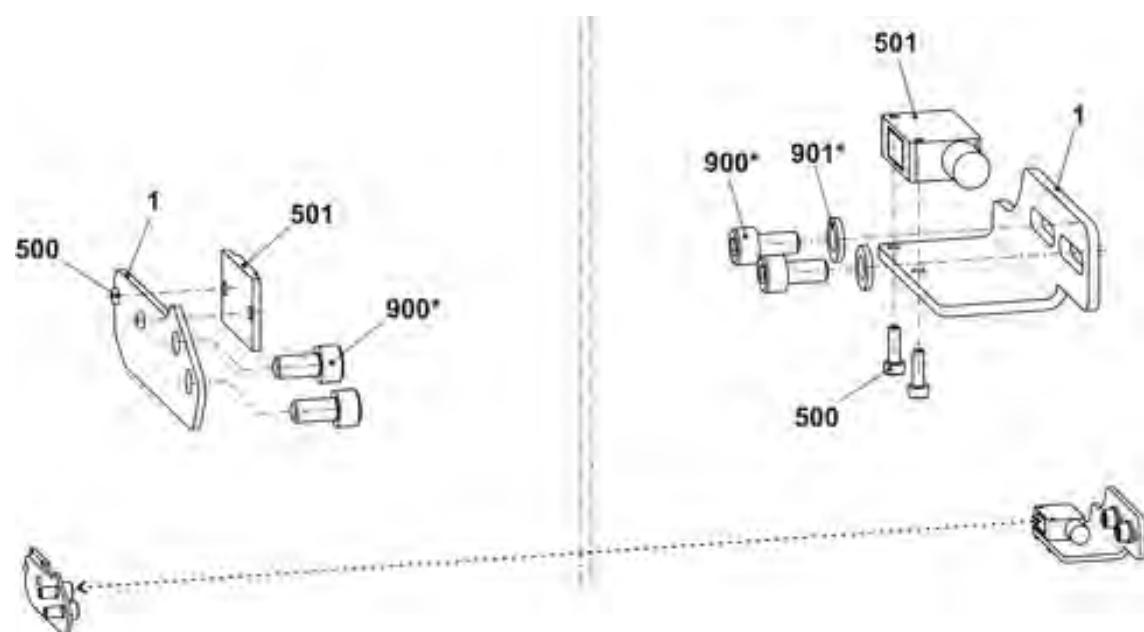
Pos	Designation	Id	Pos	Designation	Id
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M8-6	020 838
1a	Clip bearing MCM 12-04	023 639	506	Dowel pin 1,5x8	236 923
2	Support of buffer	220 561	507	Spring dowel sleeve 6x20	023 719
2a	O-ring 14x4	023 237	508	Shoulder 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



9.2 Collecting area - control

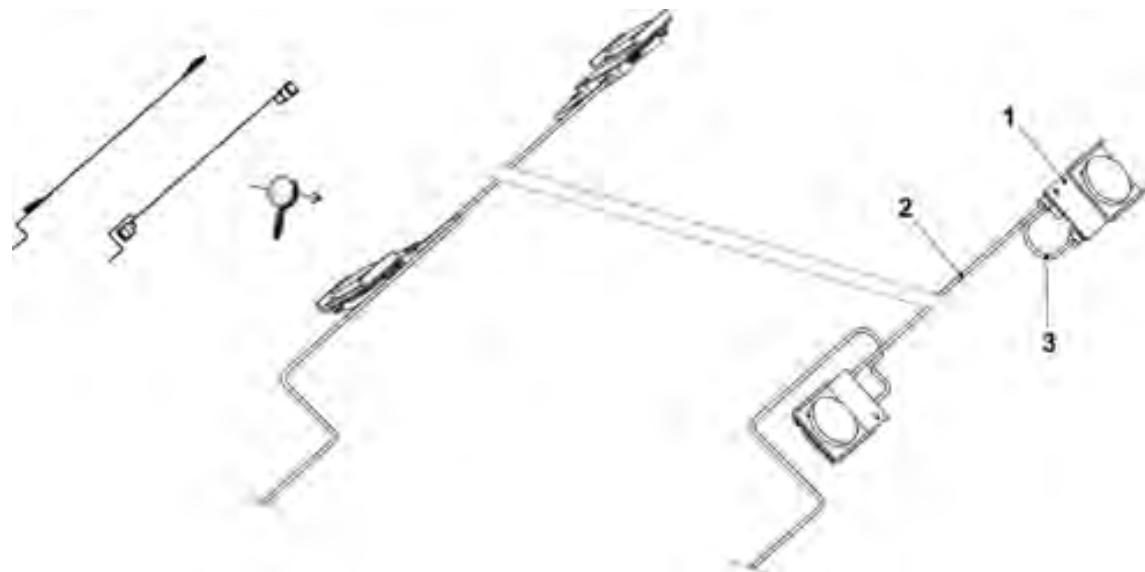
9.2 Collecting area - control

Pos	Designation	Id		Pos	Designation	Id
Σ	Reflector complete	256 826		Σ	Light barrier complete	256 825
1	Mounting plate reflector	256 675		1	Holding angle light barrier	256 674
500	Blind rivet A3x8-Al	023 158		500	Cap screw M3x10	022 991
501	Reflector 20x20 mm	243 356		501	Light barrier WI100-P4330	243 355
900*	Cap screw M6x12	020 134		900*	Cap screw M6x12	020 134
				901*	Washer6	020 872



9.3 Shock stop motion

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Shock stop motion complete	255 435	2	Connecting cable piezo sensor	220 063
1	Shock stop motion (Piezo)	220 011	3	End plug piezo sensor	220 053



9.4 Signal light

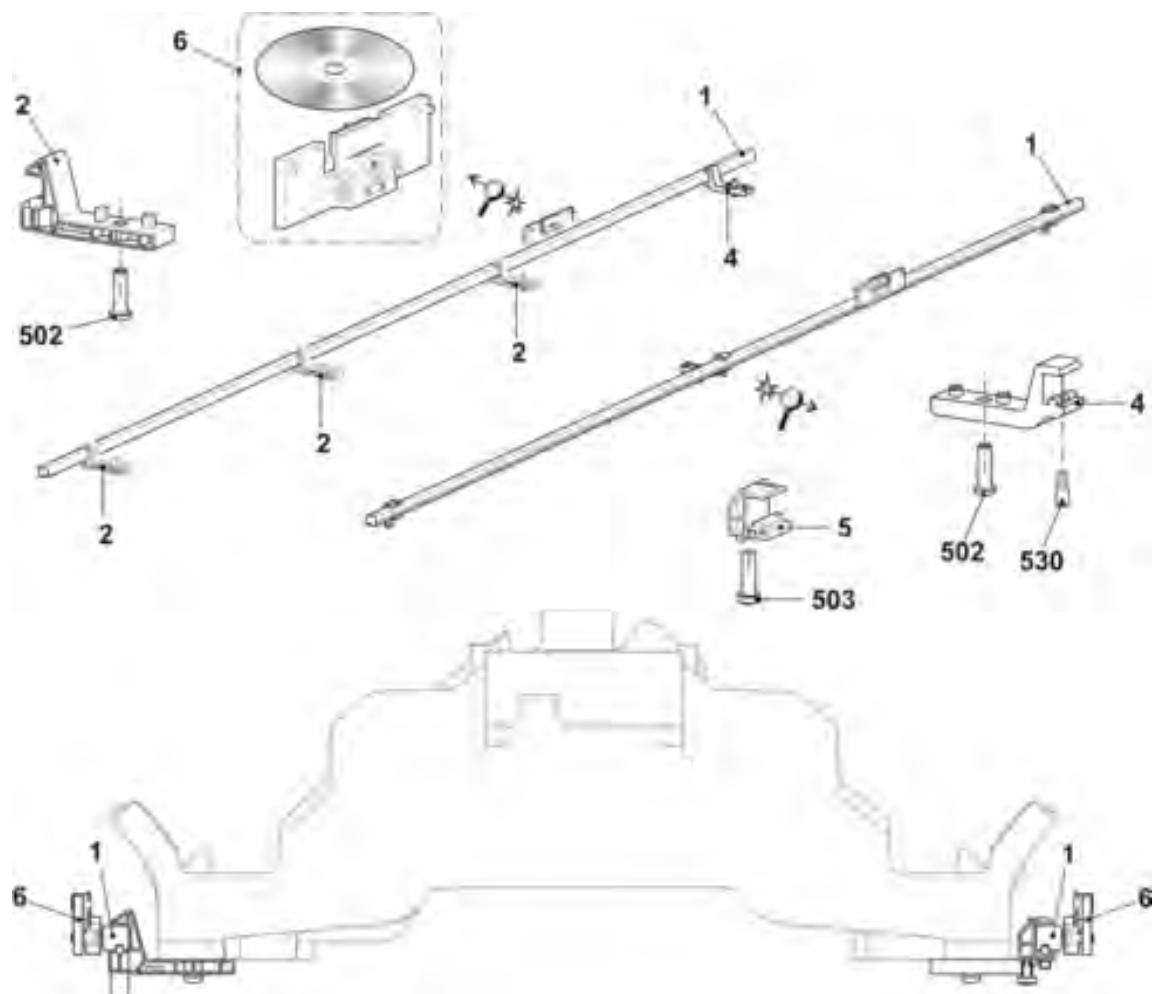
9.4 Signal light

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



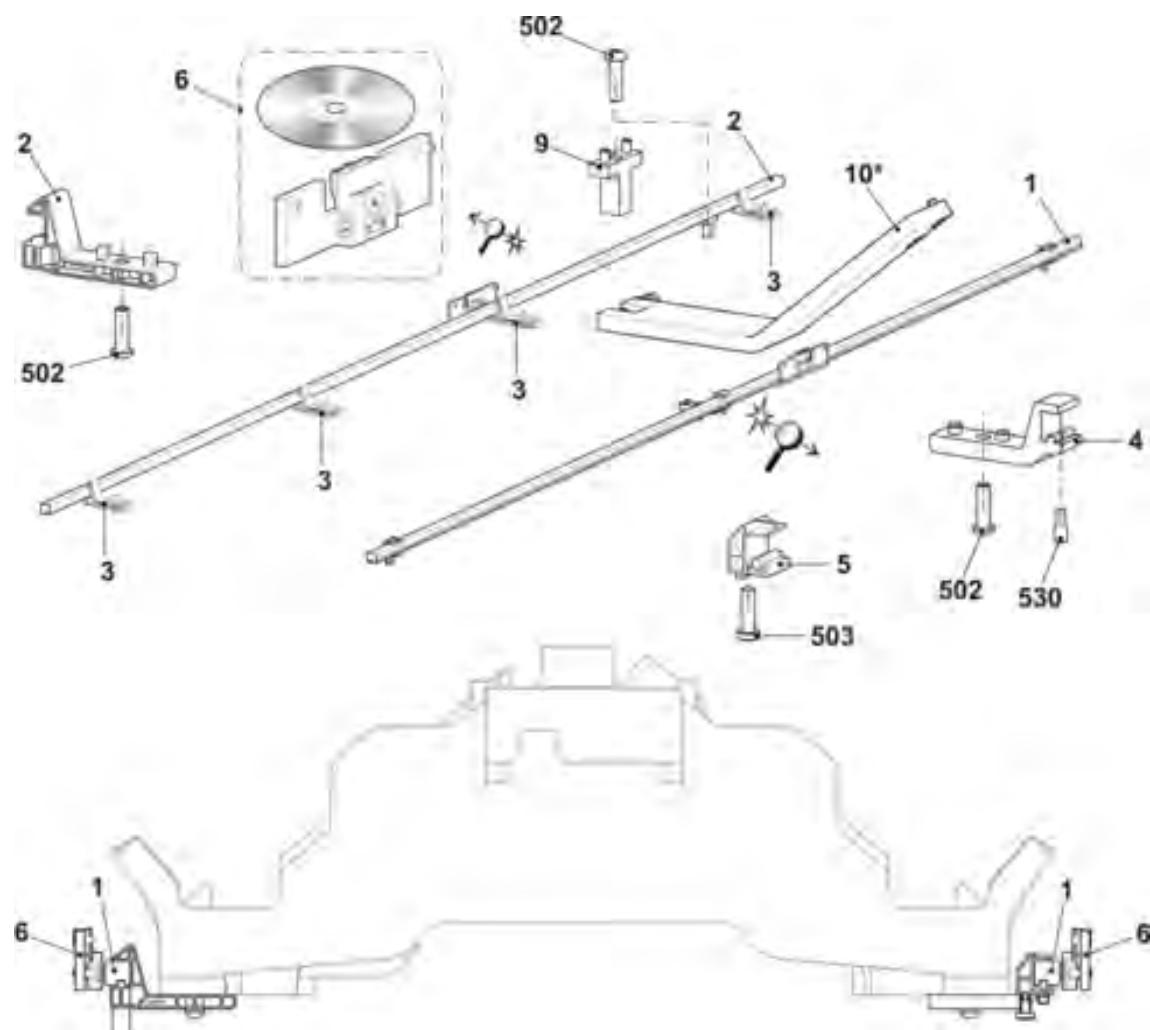
9.5 Measuring device E10|E12|E14|E6.2|E7.2|E6.2(12m.10)|E7.2 (14/12)

Pos	Designation	Id		Pos	Designation	Id
Σ	Measuring device					
1	Measuring bar	258 309		5	Guide outside	251 605
2	Guide	251 676		6	Spare parts package impulse sensor GLM	259 613
4	Guide	240 672		502	Pan head screw M6x20	241 603
530	Setscrew	230 803		503	Screw 60x20	243 625



9.6 Measuring device E16 | E18 | E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Measuring device		5 6 9 10* 502 503	Guide outside	251 605
1	Measuring bar	258 309		Spare parts package impulse sensor GLM	259 613
2	Measuring bar E16-18	259 326		Stop point	209 289
3	Guide	251 676		Bearing fork	240 689
4	Guide	240 672		Pan head screw M6x20	241 603
530	Setscrew	230 803		Screw 60x20	243 625



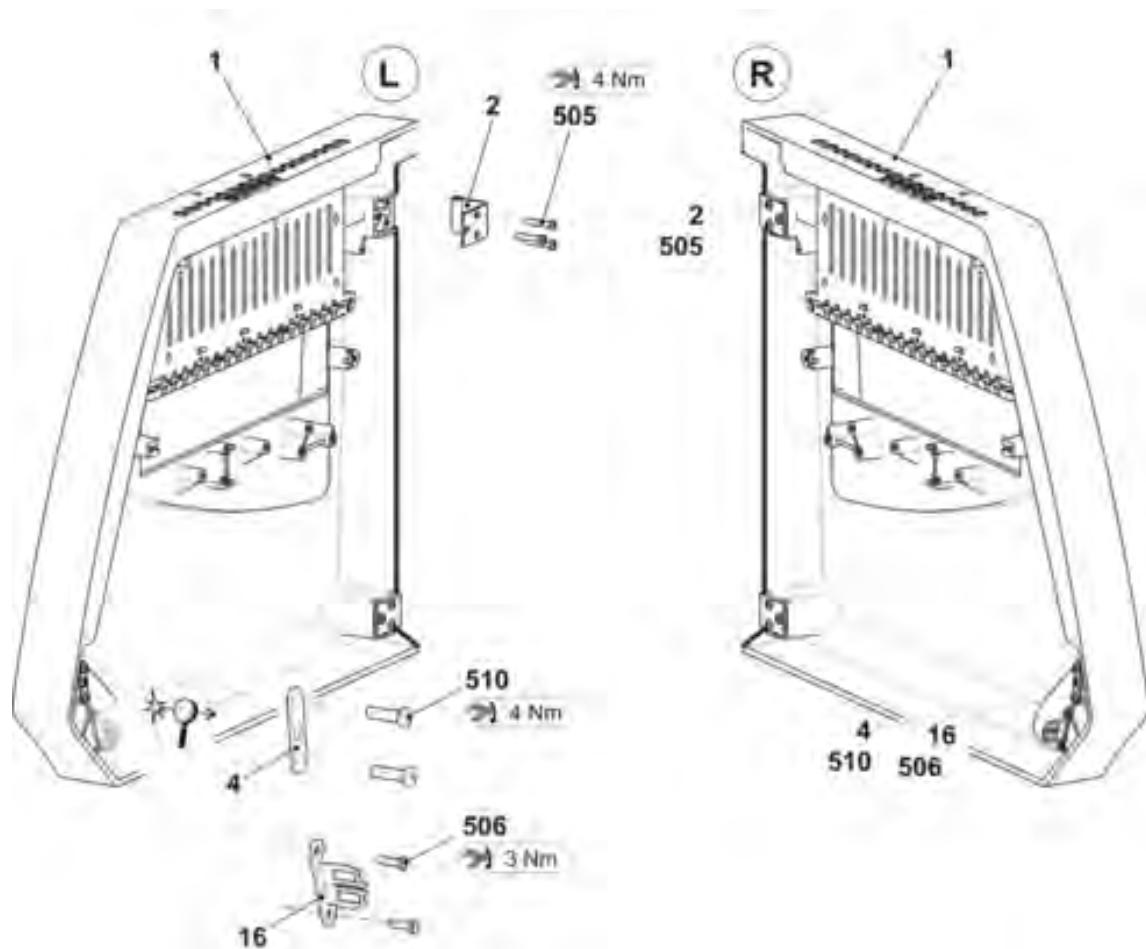
10 Protective units



10.1 Lateral safety doors

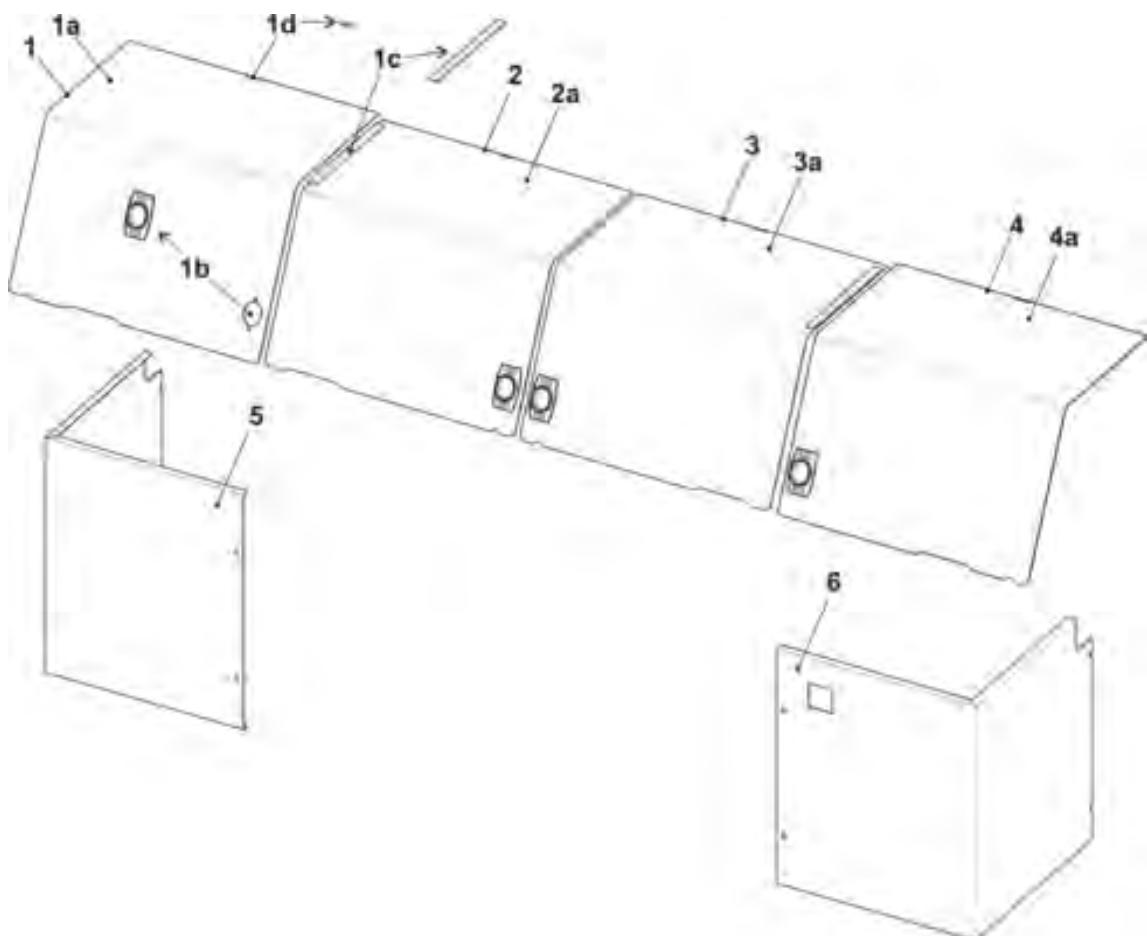
10.1 Lateral safety doors

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



10.2 Panelling

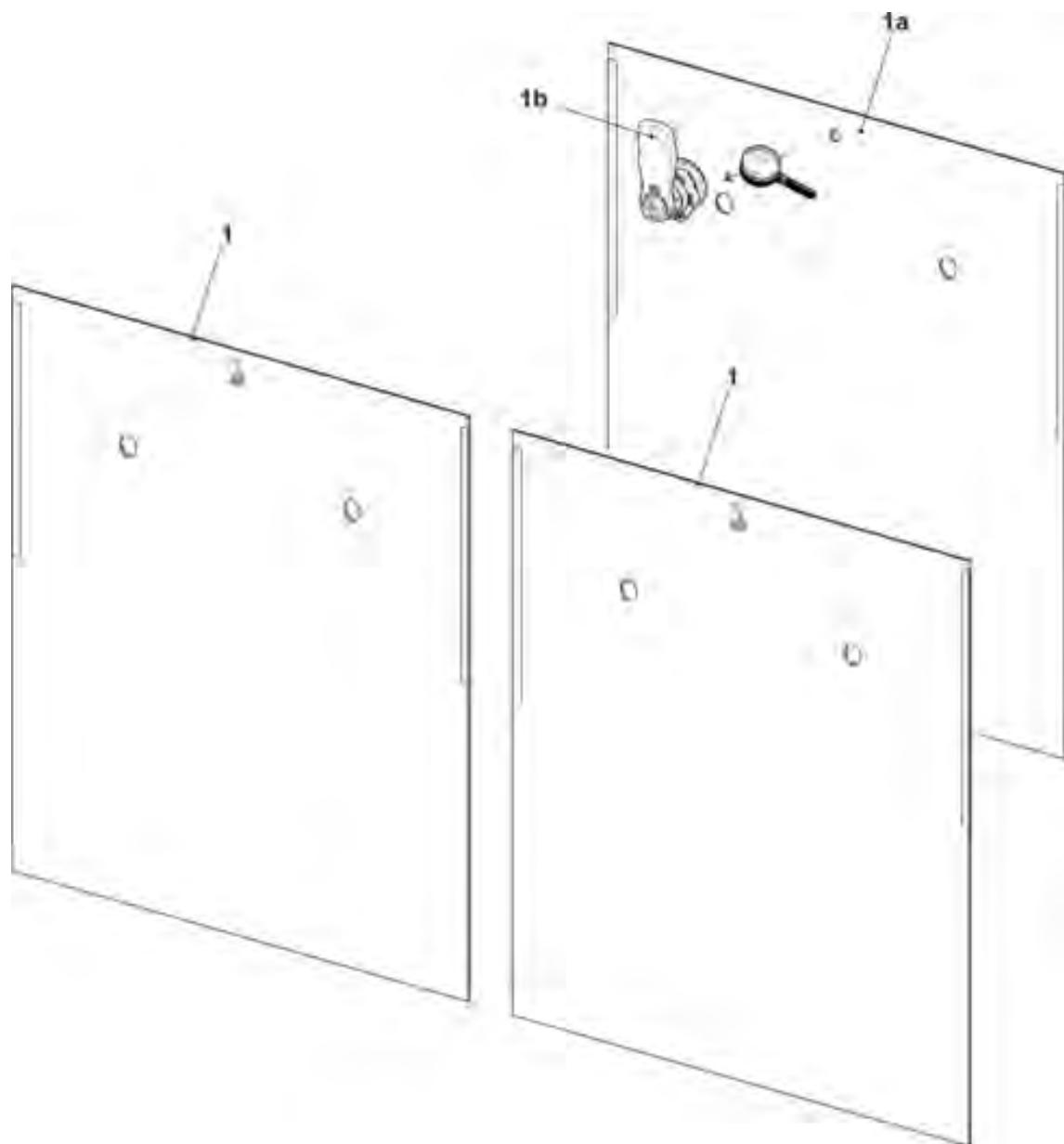
Pos	Designation	Id		Pos	Designation	Id
1	Cover 1 complete	256 923		3	Cover 3 complete	256 925
1a	Cover 1	256 908		3a	Cover 3	256 910
1b	Inlet type handle	251 376		3b	Inlet type handle	251 376
1c	Stripper	219 393		3c	Stripper	219 393
1d	Magnet	204 666		3d	Magnet	204 666
2	Cover 2 complete	256 924		4	Cover 4 complete	256 926
2a	Cover 2	256 909		4a	Cover 4	256 911
2b	Inlet type handle	251 376		4b	Inlet type handle	251 376
2c	Stripper	219 393		4c	Stripper	219 393
2d	Magnet	204 666		4d	Magnet	204 666
5	Control unit panelling on the left	252 595		6	Control unit panelling on the right	252 585



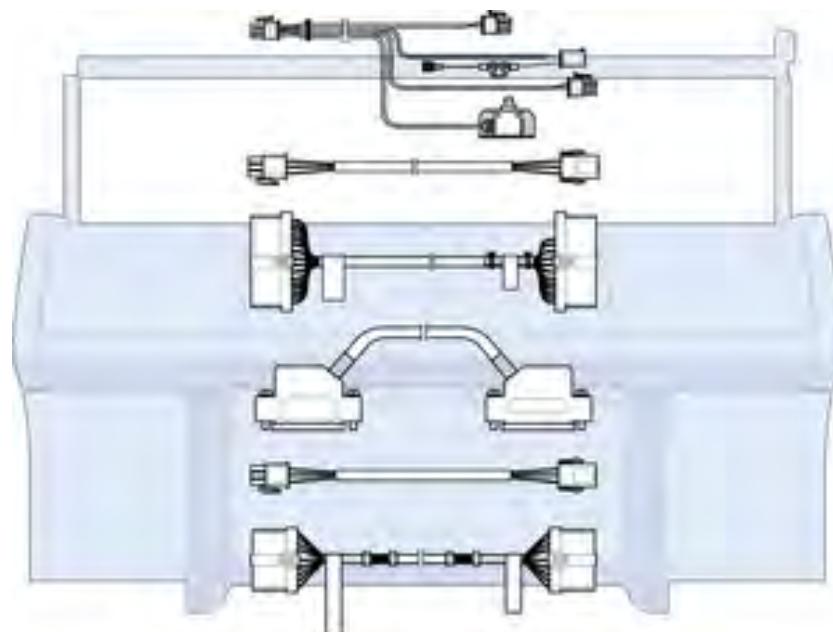
10.3 Rear panel

10.3 Rear panel

Pos	Designation	Id. no.		Pos	Designation	Id. no.
1	Panelling at the rear complete	264 017		1a	Rear panel	264 011



11 Electrical equipment

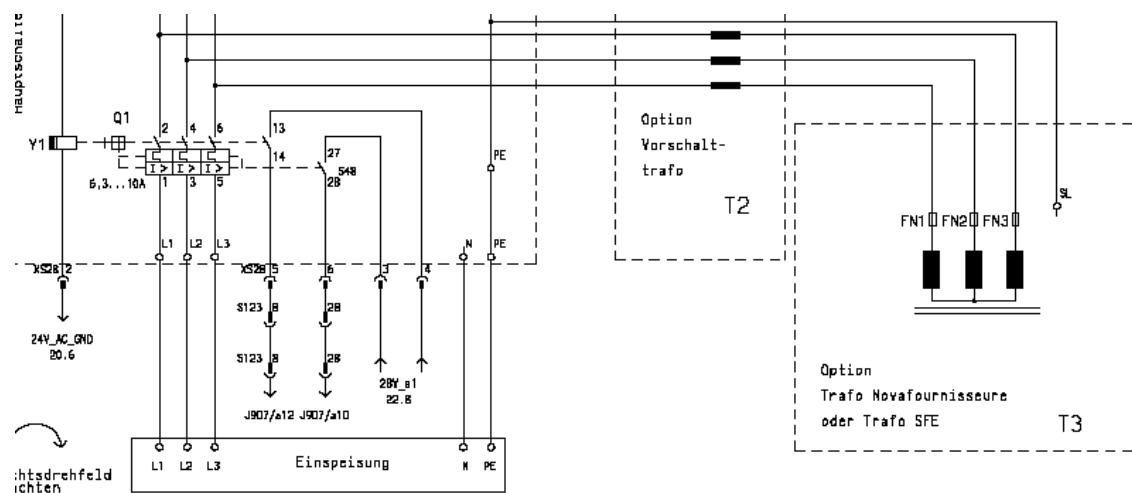


11.1 Circuit diagram (222) as PDF

11.1 Circuit diagram (222) as PDF

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

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

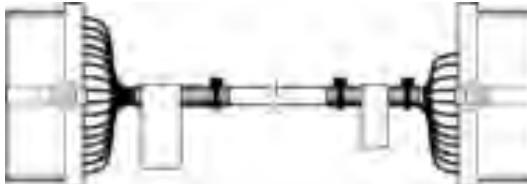


11.2 Fuses

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

11.3 Trailing cable

11.3 Trailing cable

Designation	Id		Designation	Id
Trailing cable set OKC_502 2IMP-2	259 293			
Cable carriage at the rear XR332 420 ECO2	252 007		Cable impulse sensor 2 at the rear XR136 502 OKC3	259 355
Cable carriage at the rear XR333 420 ECO2	252 008		Cable impulse sensor 2 at the front XR137 502 OKC3	259 356
				
Cable yarn carrier 420 XR161 ECO2	252 059			
				

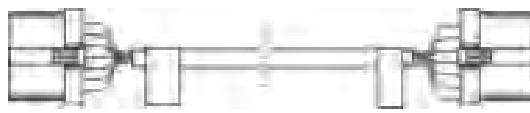
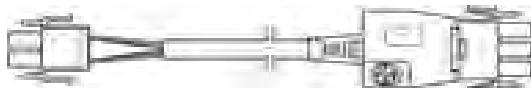
11.4 Cable set installation

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

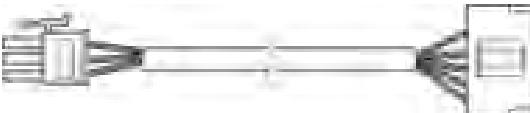
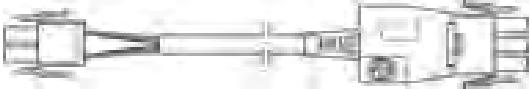


11.4 Cable set installation

11.4.1 Cable set base 1

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

11.4.2 Loom of cables base 2

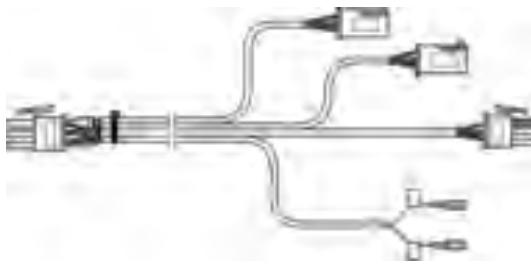
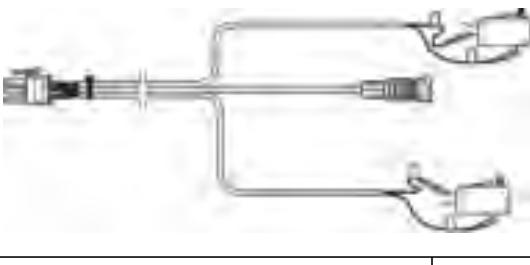
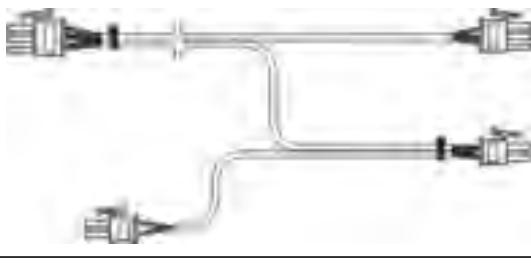
Designation	Id		Designation	Id
Σ Loom of cables base 2	240 257			
Cable motor HAAB OKC	240 291		Cable resolver drive OKC 3XX	240 296
				
Cable racking limit switch OKC 3XX	240 292		Cable racking motor OKC 3XX	240 297
				
Cable fan drive 3XX OKC	240 293		Cable resolver racking OKC 3XX	240 298
				
Cable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

11.4 Cable set installation

11.4.3 Loom of cables 5XX

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

11.4.4 Loom of cables comb

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

11.4 Cable set installation

Notes:

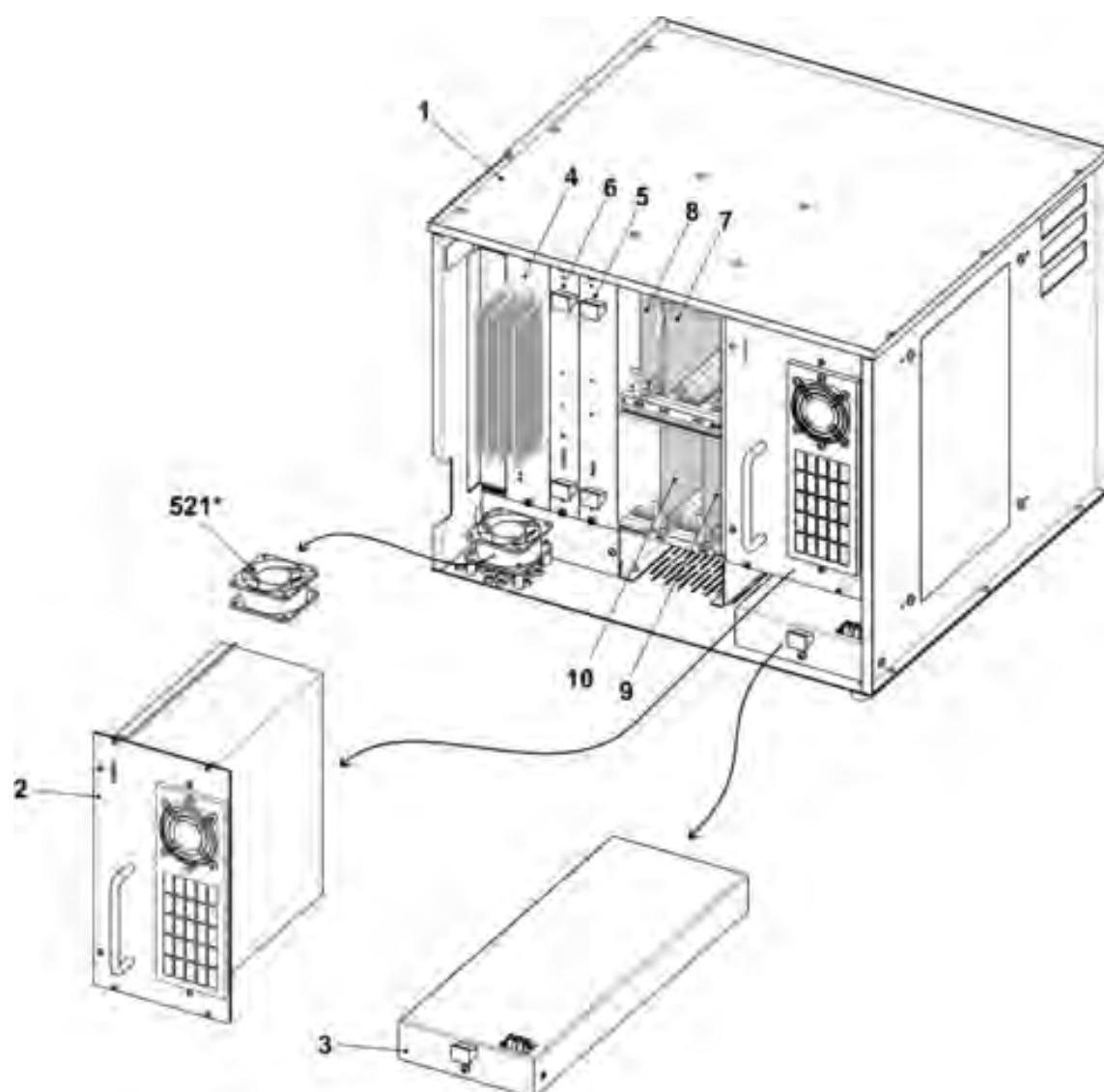
12 Control electronics



12.1 Control cabinet

12.1 Control cabinet

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit on the right complete 520	263 960	521*	Card BIO 2	301 012
1	Control unit without equipment 5XX PP	260 576		Card final stages 4SM 7TE	300 943
2	Power supply unit CG54 1-Kanal	300 923		Card N-CPU 432	300 965
3	Battery plug-in unit	301 008		Card Power CPU B	301 009
4	Card Servo 6	301 000		Card IPC P8X S 01	257 040
5	Card C-WAZ ECO2	301 006		Axial flow fan Servo 5	229 059



13 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.

13.1 Tool

13.1 Tool

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



13.2 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		Oil combifix	216 732



13.2 Lubricating stuff

Notes:

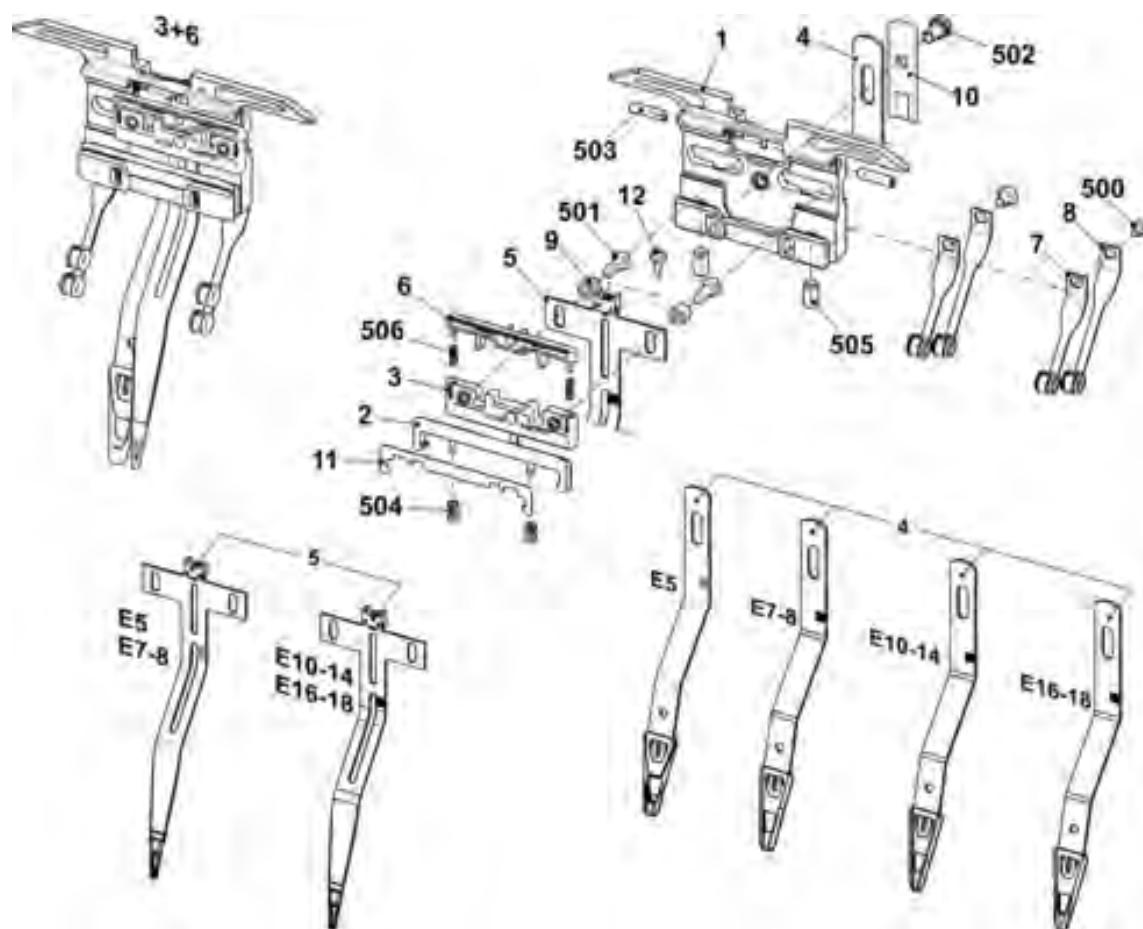
14 Special attachments



14.1 Plating yarn carrier 3+6

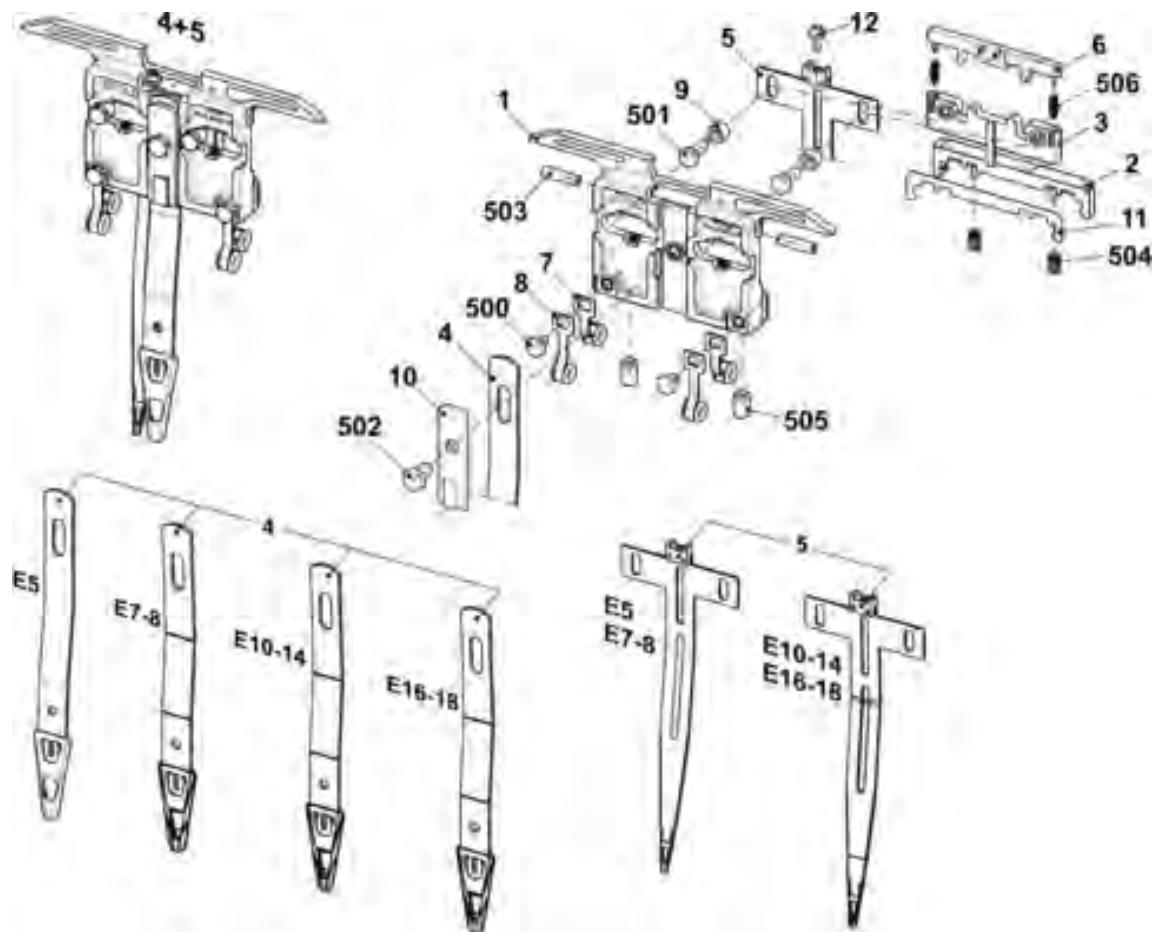
14.1 Plating yarn carrier 3+6

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 E6.2(12m.10) E7.2(14/12) E7.2		252 786		8	Eyelet holder complete	252 824
E16 E18 E8.2		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			500	Hexagon screw M4x5	243 779
E6.2		252 821		501	Hexagon screw M4x10	020 346
E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2		252 822		502	Hexagon screw	252 832
E16 E18 E8.2		252 833		503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 3+6 E5-8	252 800		504	Compression spring	021 399
	Plating yarn carrier bow 3+6 E10-18	252 808		505	Threaded bolt	213 399
6	Sliding piece	252 797		506	Compression spring	253 058



14.2 Plating yarn carrier 4+5

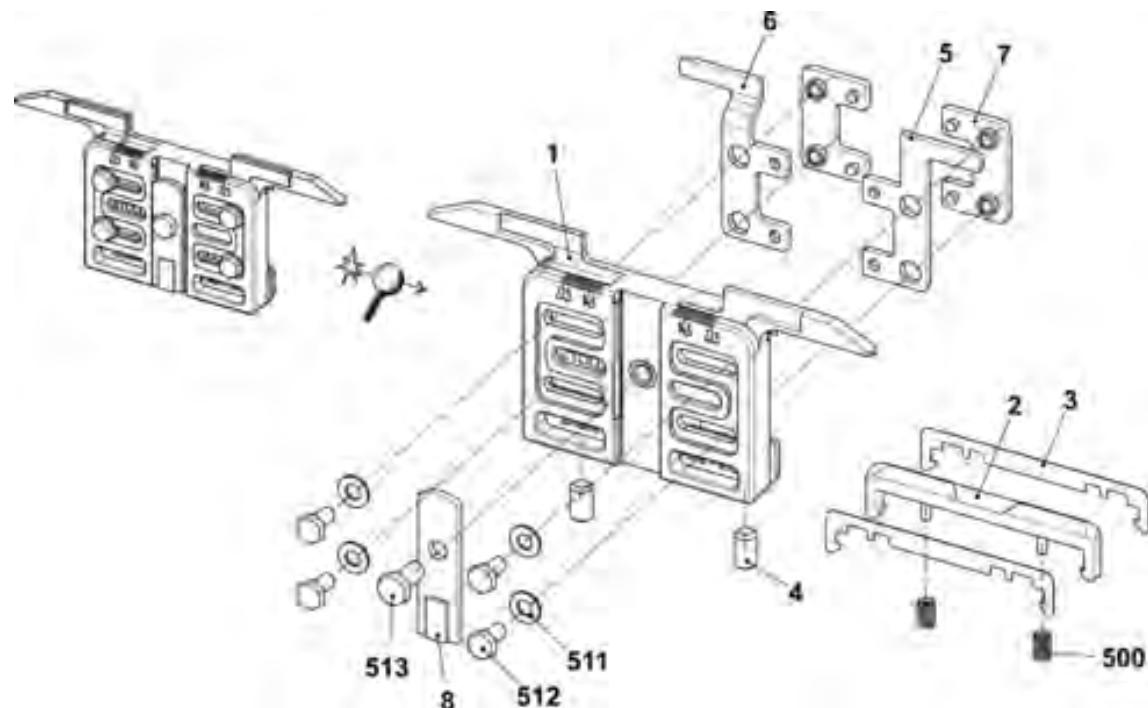
Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 4+5 complete				
E6.2		252 783	7	Eyelet holder complete	252 815
E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2		252 785	8	Eyelet holder complete	252 816
E16 E18 E8.2		252 787	9	Distance bushing	252 796
1	Plating yarn carrier carriage	252 806	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		500	Hexagon screw M4x5	243 779
E6.2		252 791	501	Hexagon screw M4x10	020 346
E10 E12 E14 E6.2(12m.10) E7.2(14/12) E7.2		252 792	502	Hexagon screw	252 832
E16 E18 E8.2		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



14.3 Carriage of plating yarn carrier (adjustable)

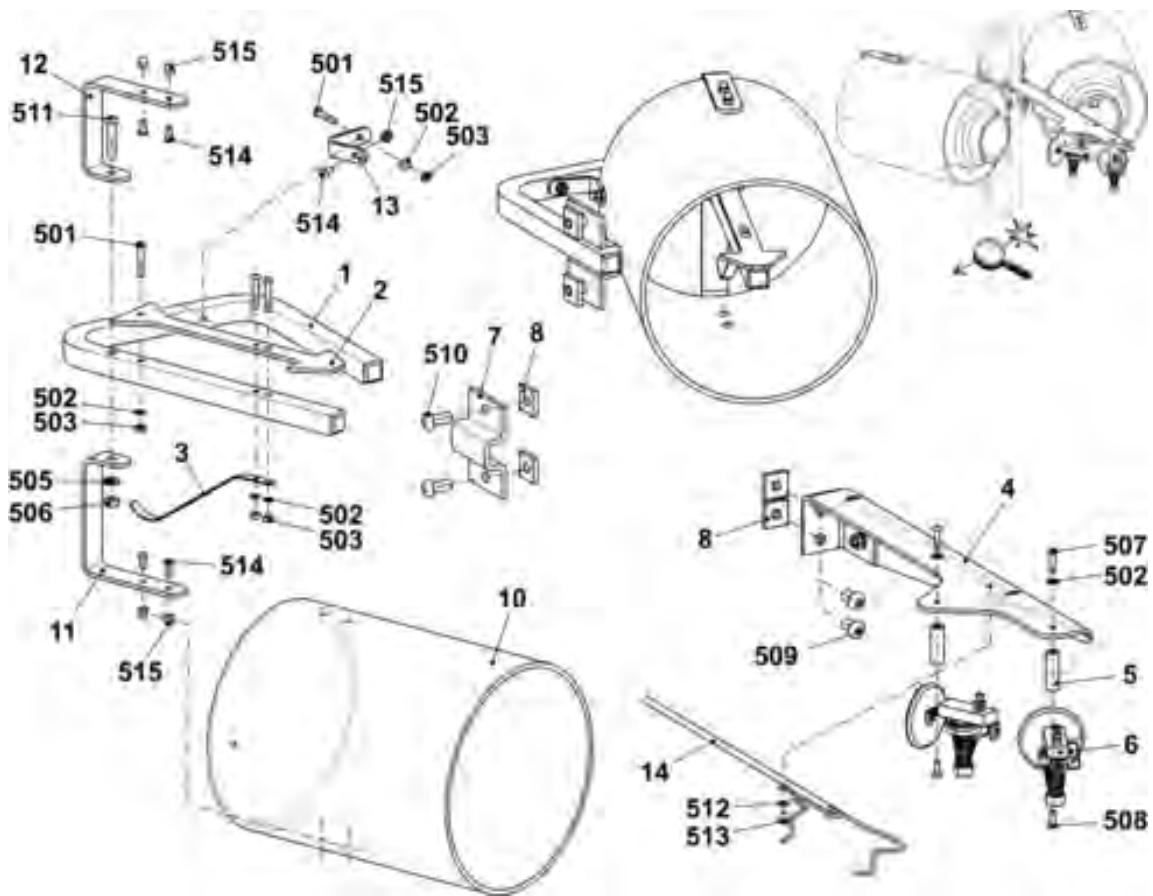
14.3 Carriage of plating yarn carrier (adjustable)

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



14.4 Bobbin holder on the right

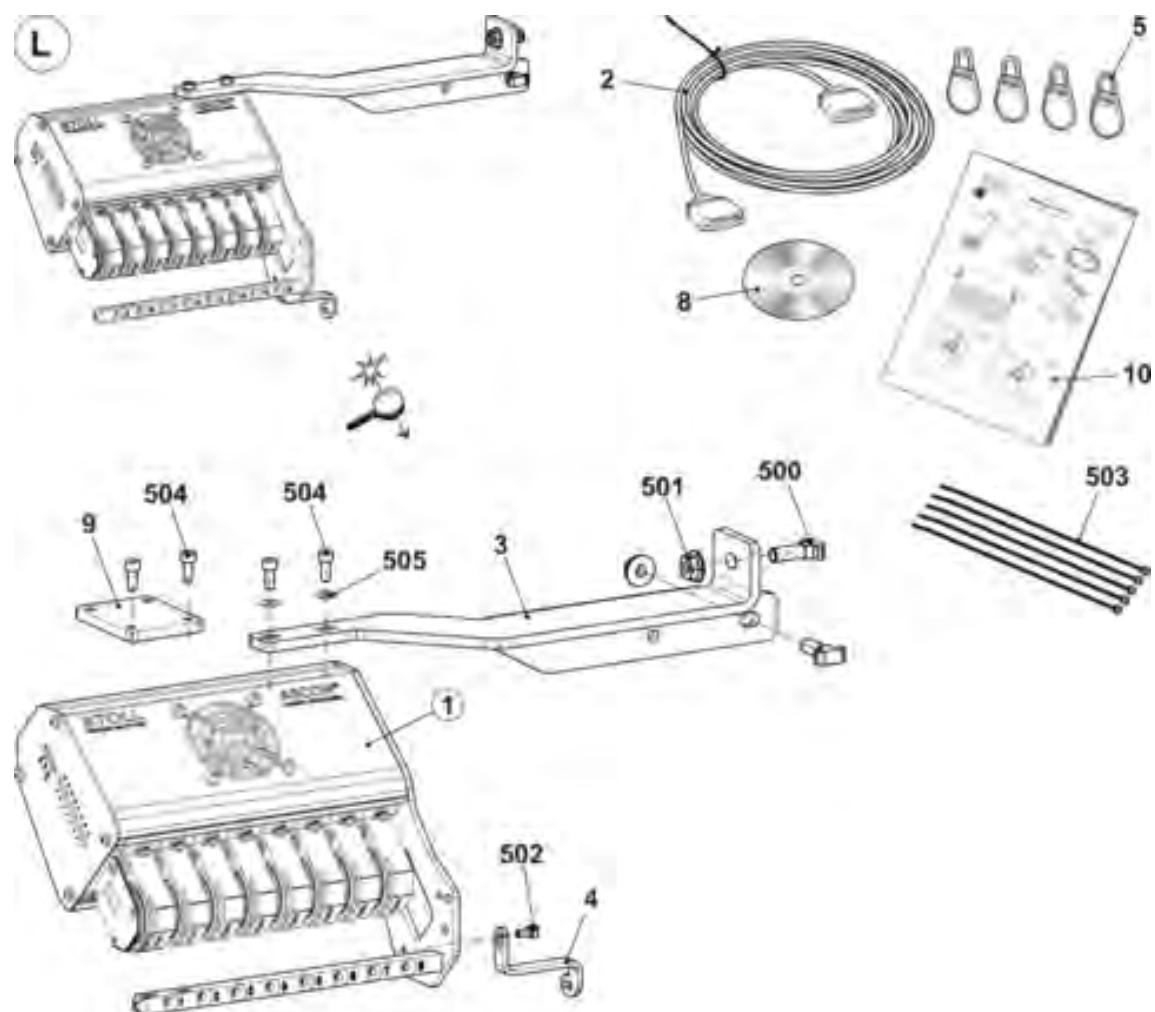
Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the right	253 966	501	Pan head screw M4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support right	253 348	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	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



14.5 Yarn length measuring device on the left complete

14.5 Yarn length measuring device on the left complete

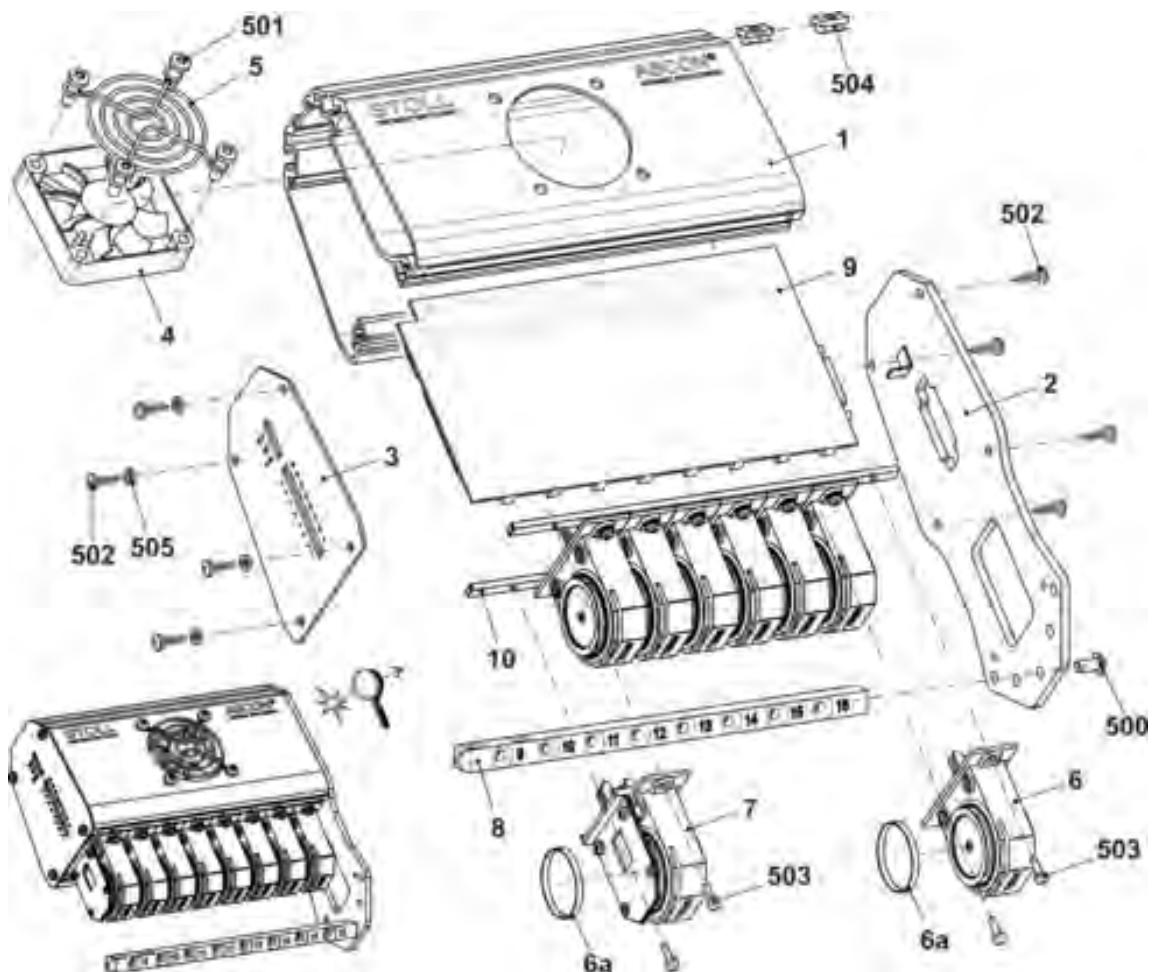
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	257 600		10	Operating instructions of ASCON assembly	259 381
1	Yarn length measuring device on the left complete	257 283		500	T-head bolt M8x25	022 866
2	Cable ASCON	257 239		501	Serrated nut M8-10	023 026
3	Support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



14.5 Yarn length measuring device on the left complete

14.5.1 Yarn length measuring device

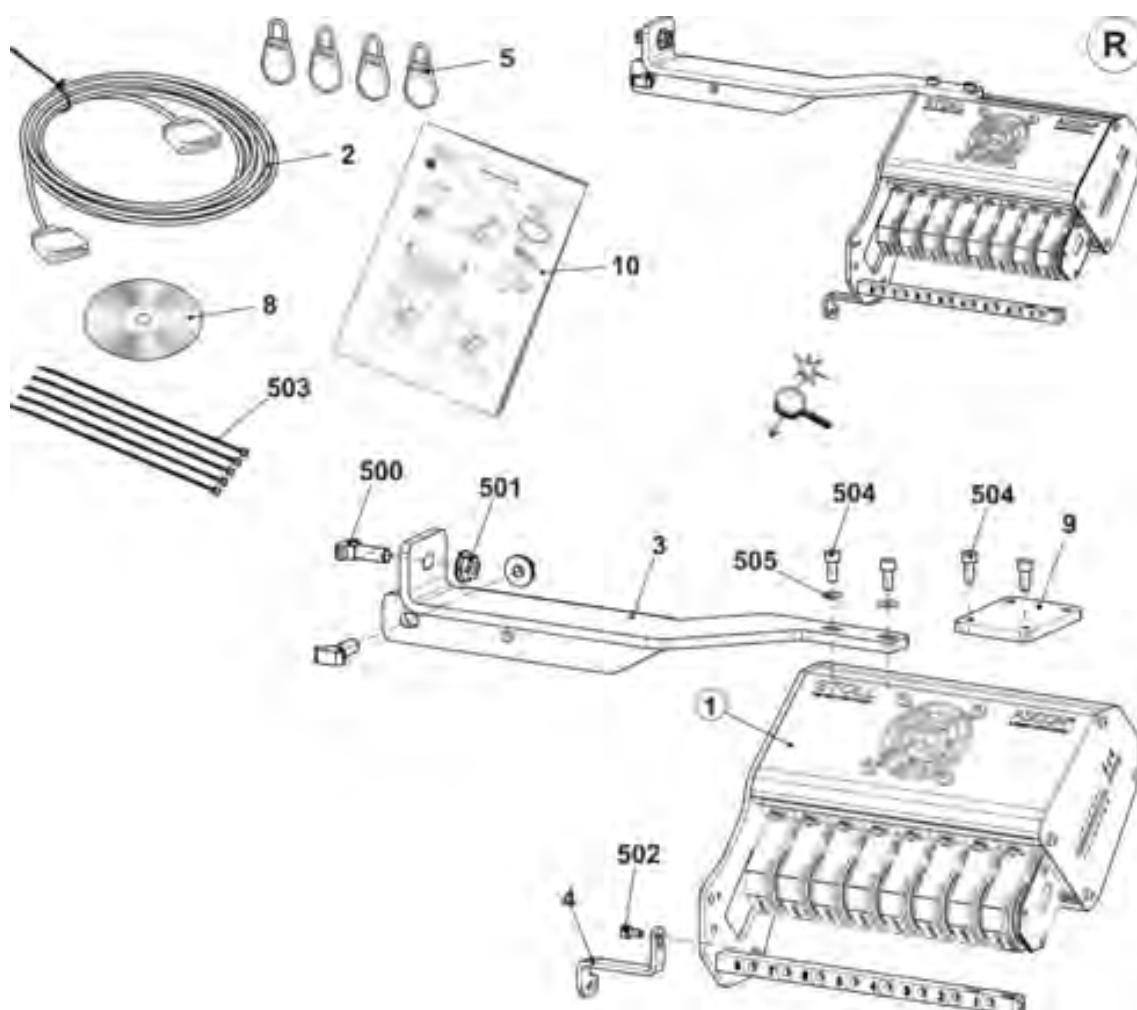
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	257 283		8	Yarn guide rod	257 139
1	Housing	257 281		9	Card Ascon	255 000
2	Support	257 278		10	Threaded strip	257 138
3	Cover	257 273		500	Pan-head screw M5x10	023 247
4	Fan with plug	257 048		501	Screw 50x15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



14.6 Yarn length measuring device on the right complete

14.6 Yarn length measuring device on the right complete

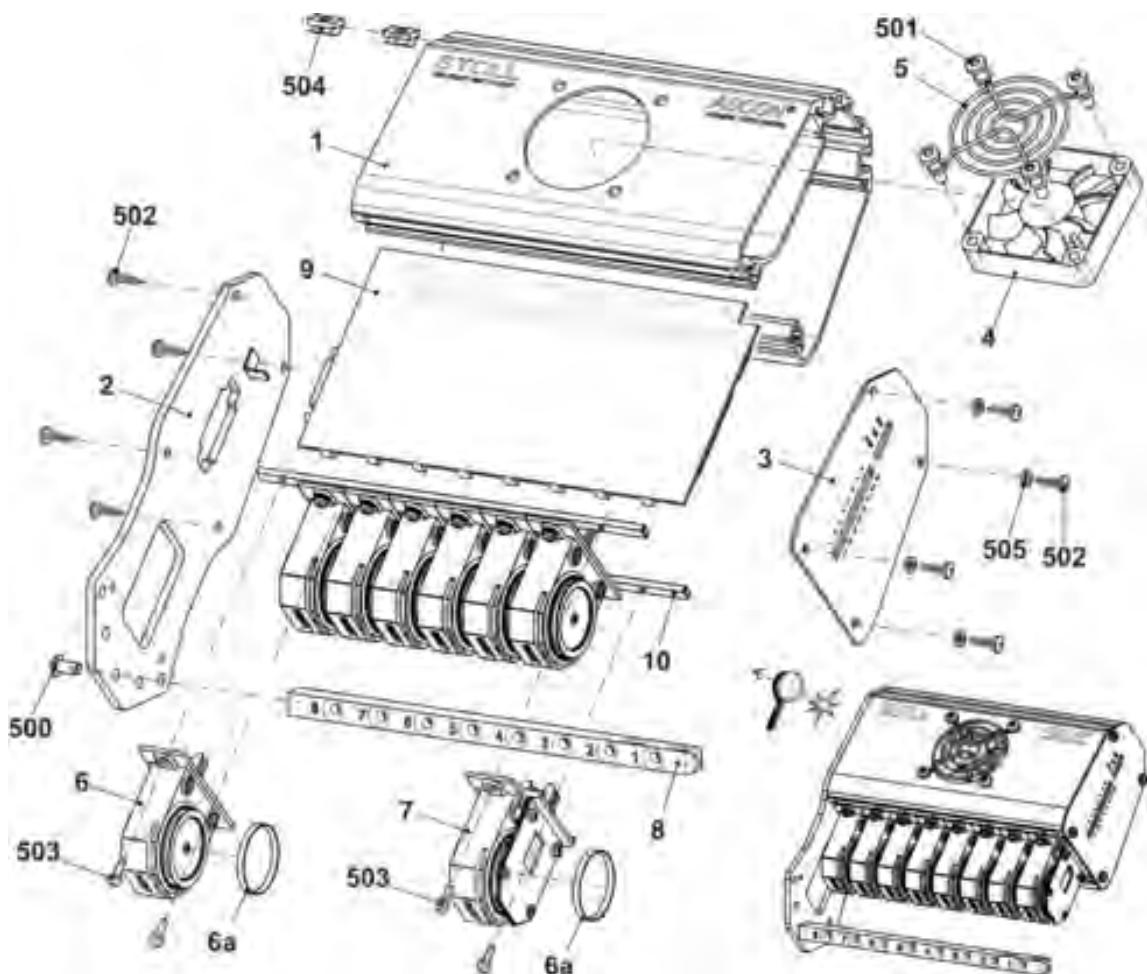
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 599		10	Operating instructions of ASCON assembly	259 381
1	Yarn length measuring device on the right complete	257 282		500	T-head bolt M8x25	022 866
2	Cable ASCON	257 239		501	Serrated nut M8-10	023 026
3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



14.6 Yarn length measuring device on the right complete

14.6.1 Yarn length measuring device on the right

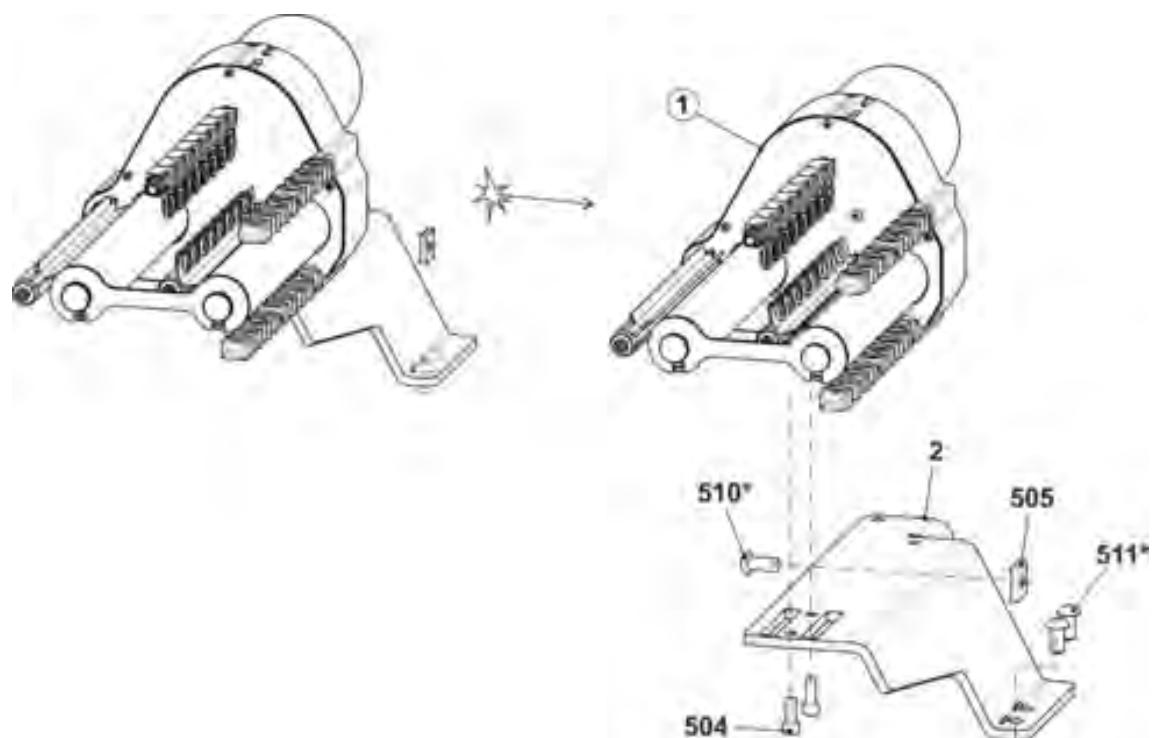
Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	257 282	8	Yarn guide rod	257 139
1	Housing	257 281	9	Card Ascon	255 000
2	Support	257 278	10	Threaded strip	257 138
3	Cover	257 273	500	Pan-head screw M5x10	023 247
4	Fan with plug	257 048	501	Screw 50x15	251 728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



14.7 Friction feed wheel on the left

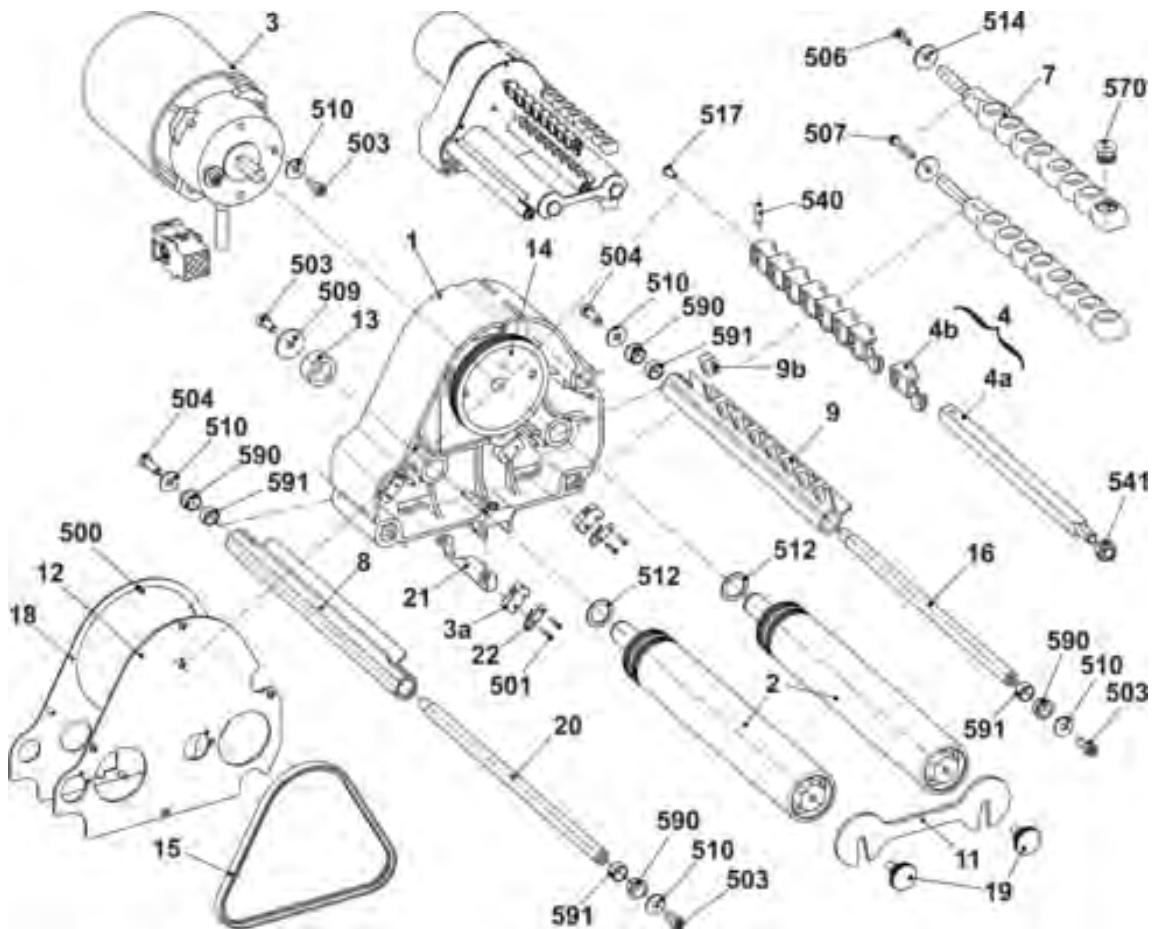
14.7 Friction feed wheel on the left

Pos	Designation	ID		Pos	Designation	ID
ΣL	Friction feed wheel on the left complete	243 573		505	Slot nut	228 851
1	Friction feed wheel on the left	243 571		510*	Pan head screw M8x18	251 331
2	Support of left feed wheel	250 966		511*	Pan head screw M8x16	023 113
504	Cap screw M6x16	020 135				



14.7.1 Left friction feed wheel

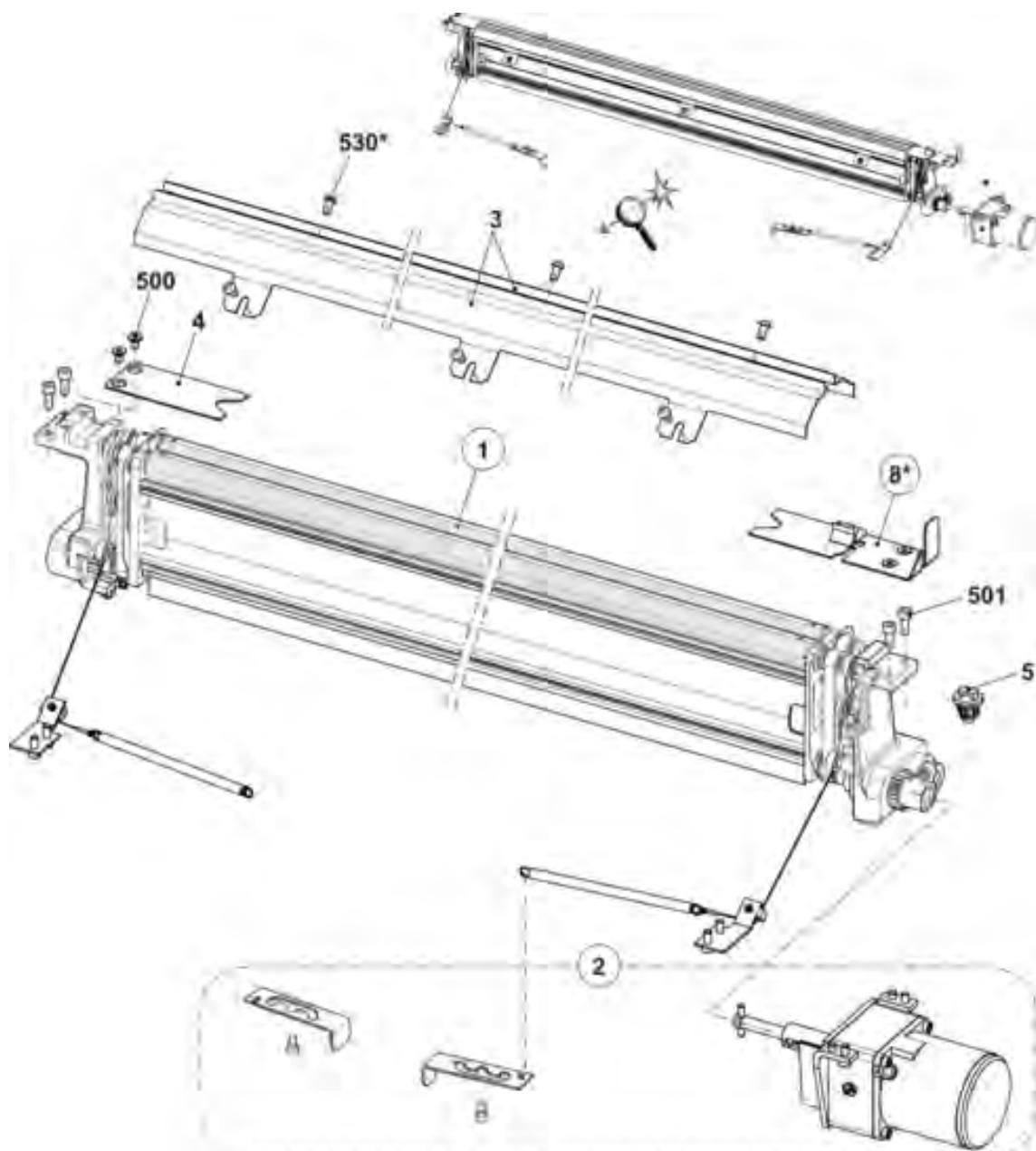
Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the left complete	243 571	14	V-ribbed belt pulley	221 268
1	Housing	240 368	15	Ribbed V-belt V3J 406	206 927
2	Friction roller complete	231 704	16	Rod	221 319
3	Three-phase AC motor complete	219 800	18	Cover	230 758
3a	Microswitch	008 664	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			



14.8 Additional take-down, Retrofit kit

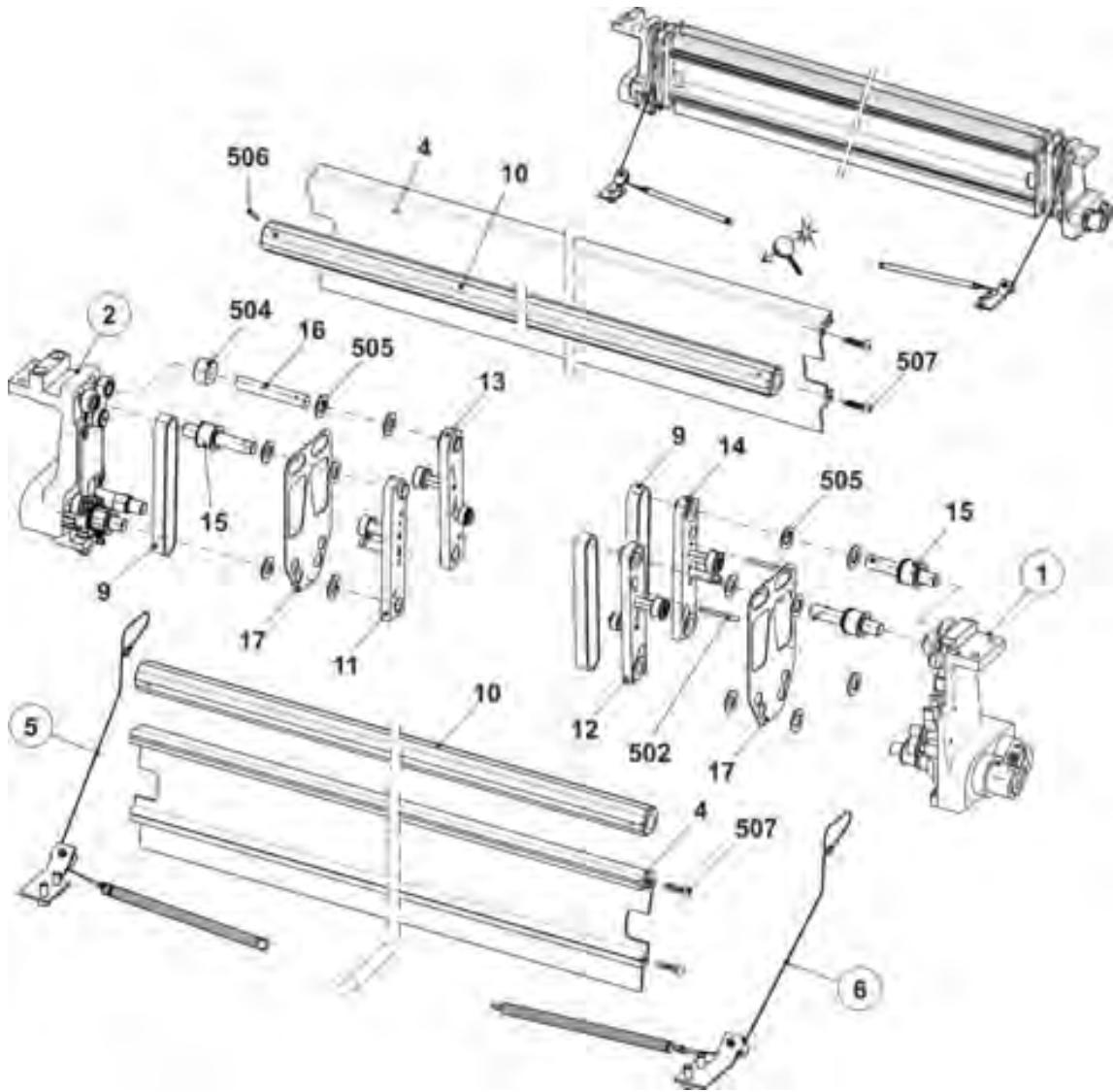
14.8 Additional take-down, Retrofit kit

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Additional take-down complete, Retrofit kit	257 032	5 8* 500 501 530*	Assembling element	209 543
1	Auxiliary take-down pre-assembled	257 008		Yarn brake on the right	240 021
2	Auxiliary take-down in the middle	254 062		Countersunk screw M6x10	023 016
3	Sheet metal guide	256 880		Cap screw M6x16	020 135
4	Cover on the left	257 470		Pan head screw M6x12	235 935



14.8.1 Auxiliary take-down pre-assembled

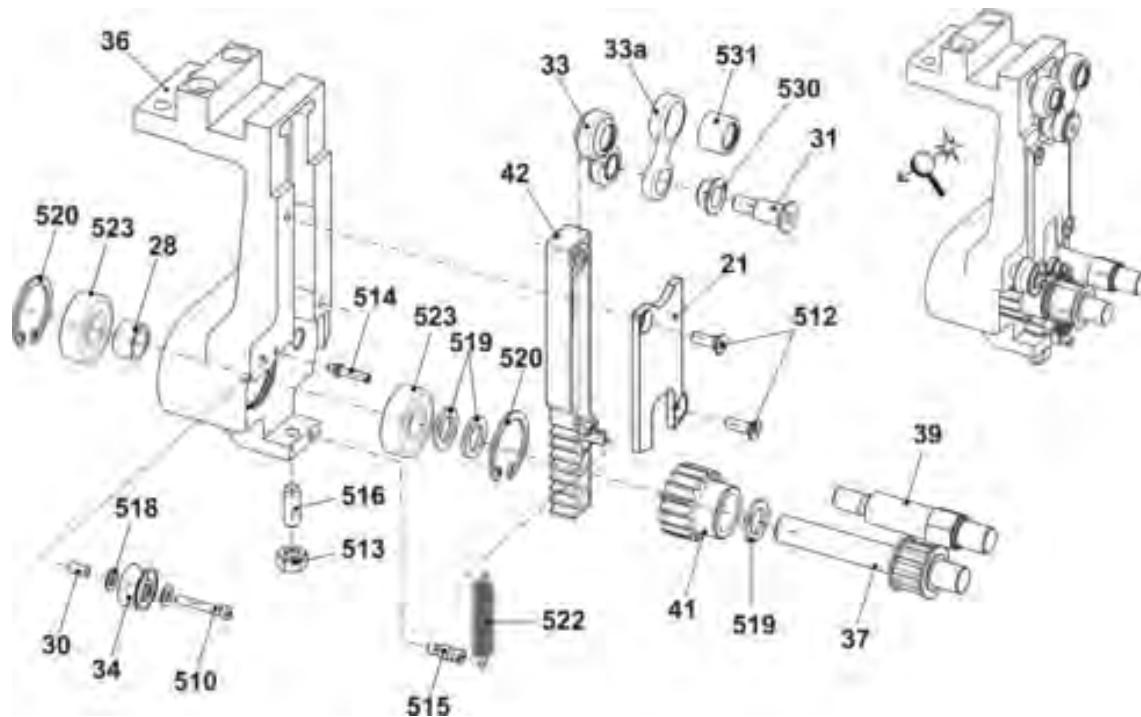
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Auxiliary take-down pre-assembled	257 008			
1	Bearing on the right complete	239 996	14	Lever at the rear on the right	227 260
2	Bearing on the left complete	239 999	15	Toothed belt pulley complete	226 708
4	Guide plate	256 878	16	Bolts	227 914
5	Metal angle on the left complete	225 013	17	Protective plate	225 754
6	Metal angle on the right complete	225 014	500	Countersunk screw M6x10	023 016
9	Toothed belt 10T5/260	208 832	502	Shoulder screw M3x27x32	023 634
10	Take-down roller	256 879	504	Set collar	020 934
11	Lever at the front on the left	227 263	505	Stop disk	023 646
12	Lever at the front on the right	227 262	506	Spring dowel sleeve 3x20	020 776
13	Lever at the rear on the left	227 261	507	Sheet metal screw St4,8x22	023 259



14.8 Additional take-down, Retrofit kit

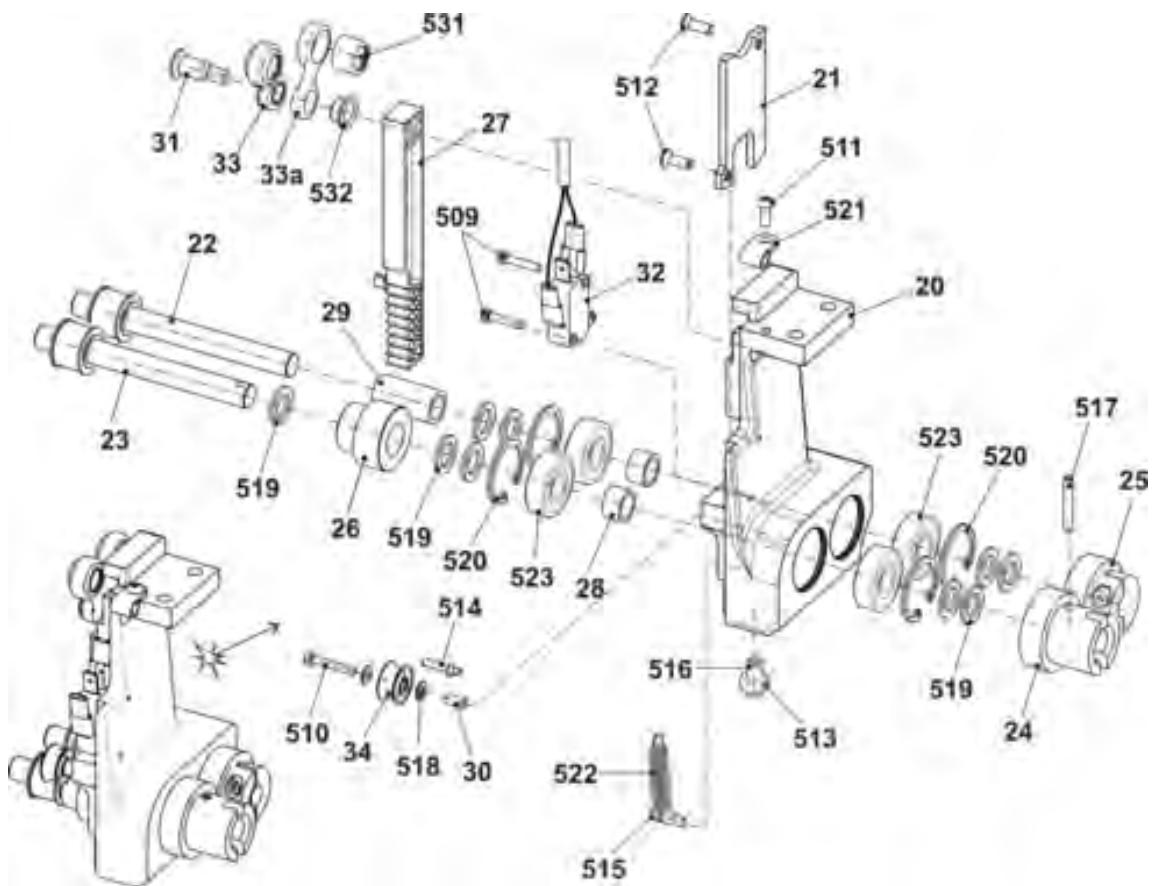
14.8.1.1 Left bearing of the auxiliary take-down

Pos	Designation	Id		Pos	Designation	Id
Σ	Bearing on the left	239 999		41	Gear wheel on the left complete	218 523
21	Cover	257 466		42	Gear rack on the left	253 488
28	Threaded spacer	229 683		510	Cap screw M3x20	022 448
30	Sleeve	239 997		512	Countersunk head screw M4x12	023 062
31	Collar bolt	210 551		513	Hexagon nut M6-6	020 836
33	Connecting rod complete	226 710		514	Threaded bolt with shoulder	243 226
33a	Connecting rod	255 696		515	Shoulder screw M4x9x14	020 602
530	Slide bearing GFM-081014-06	023 358		516	Setscrew M6x16-45	023 092
531	Needle roller bearing HK1010	023 664		518	Shim ring 4x8x0,5	023 384
34	Roller deflector	218 805		519	Shim ring 10x16x1,5	023 261
36	Bearing block on the left	258 914		520	Retaining ring 26x1,2	023 359
37	Drive shaft complete	227 887		522	Tension spring 7,5x0,7x28	023 595
39	Bolts	226 705		523	Grooved ball bearing 6000-2Z	022 599



14.8.1.2 Right bearing of the auxiliary take-down

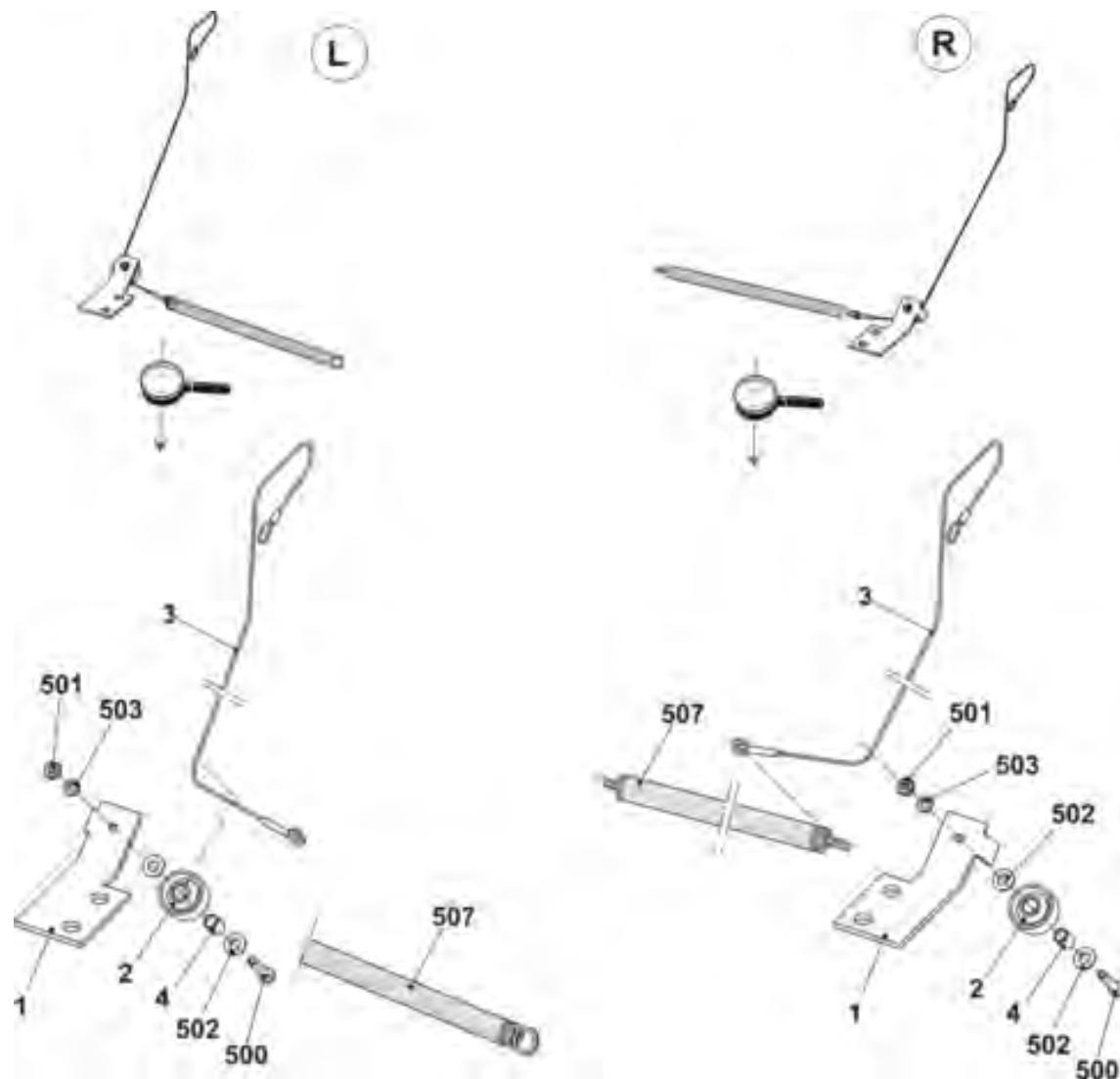
Pos	Designation	Id	Pos	Designation	Id	
Σ	Bearing on the right complete	239 996		532	Slide bearing GFM-081014-06	023 358
20	Bearing block on the right	258 913	34	Roller deflector	218 805	
21	Cover	257 466	500	Cap screw M3x16	022 560	
22	Drive shaft complete	227 857	510	Cap screw M3x20	022 448	
23	Drive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



14.8 Additional take-down, Retrofit kit

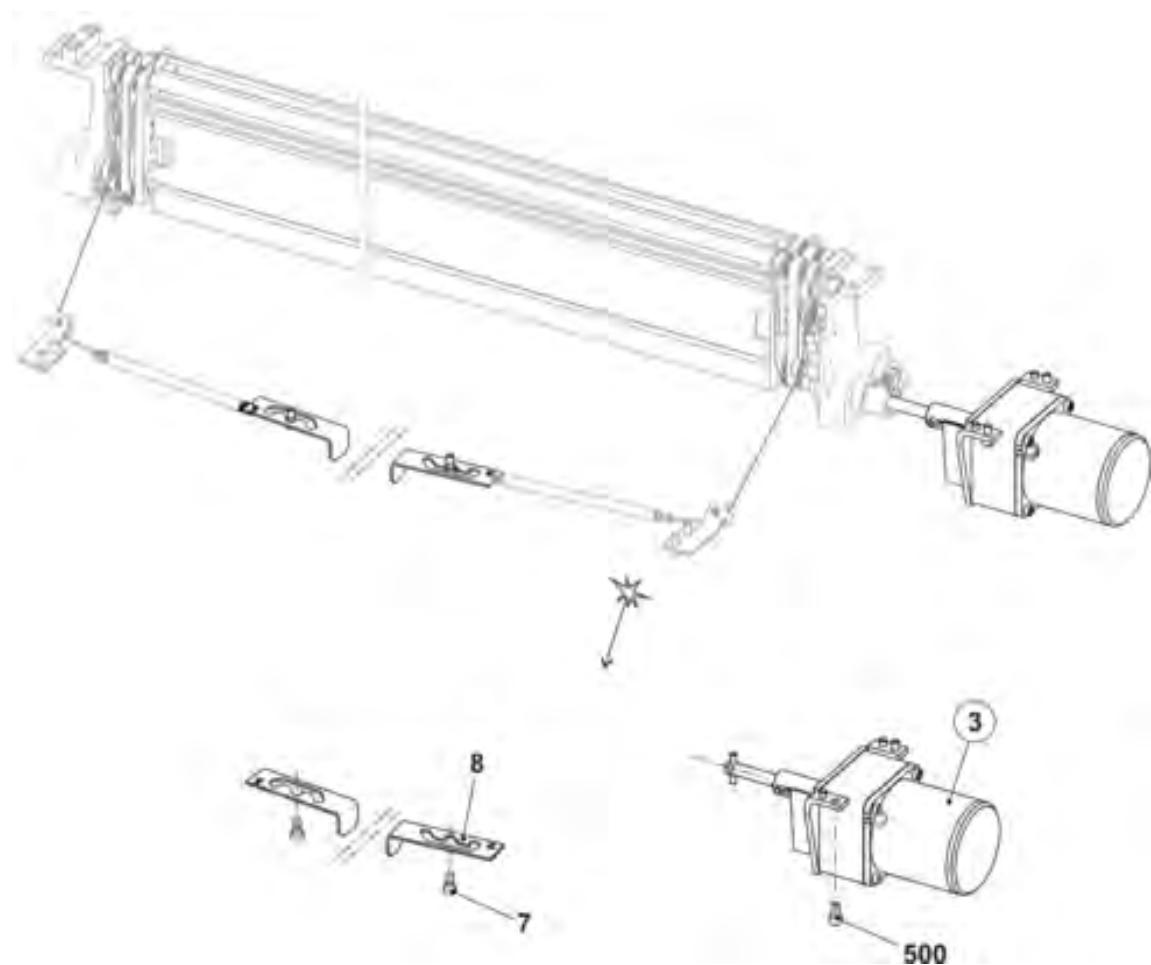
14.8.1.3 Metal angle on the left and right complete

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



14.8.2 Auxiliary take-down in the middle

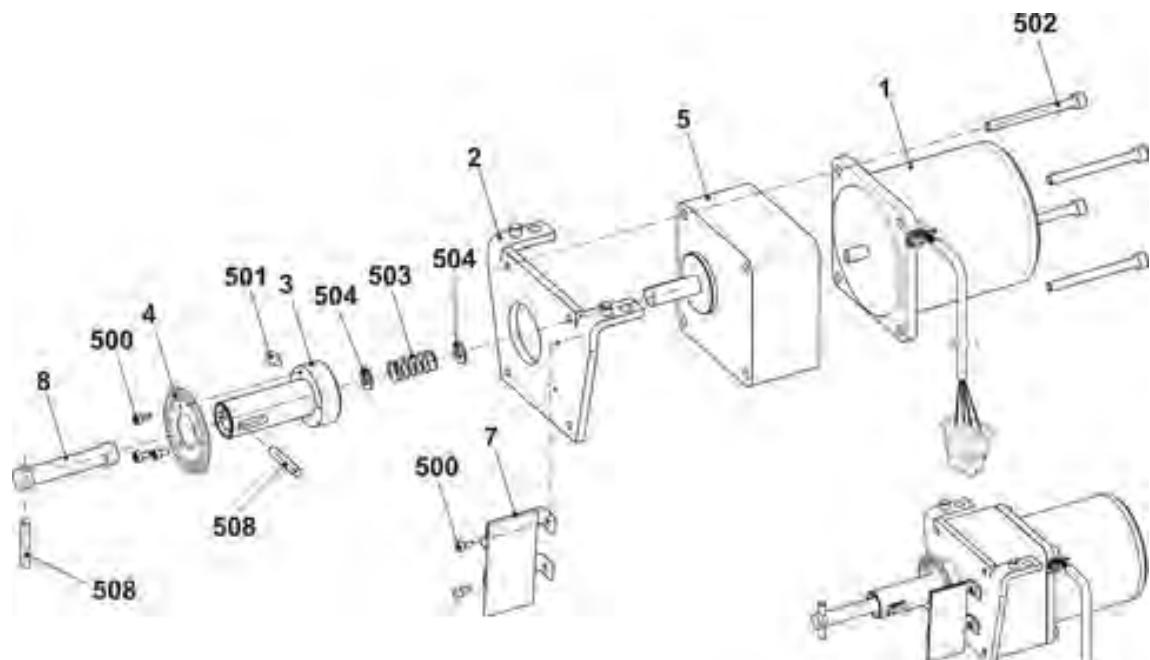
Pos	Designation	Id		Pos	Designation	Id
Σ	Auxiliary take-down in the middle	254 062		8	Detent plate	222 040
3	Take-down motor complete auxiliary take-down	214 449		500	Cap screw M6x12	020 134
7	Shoulder screw	207 101				



14.8 Additional take-down, Retrofit kit

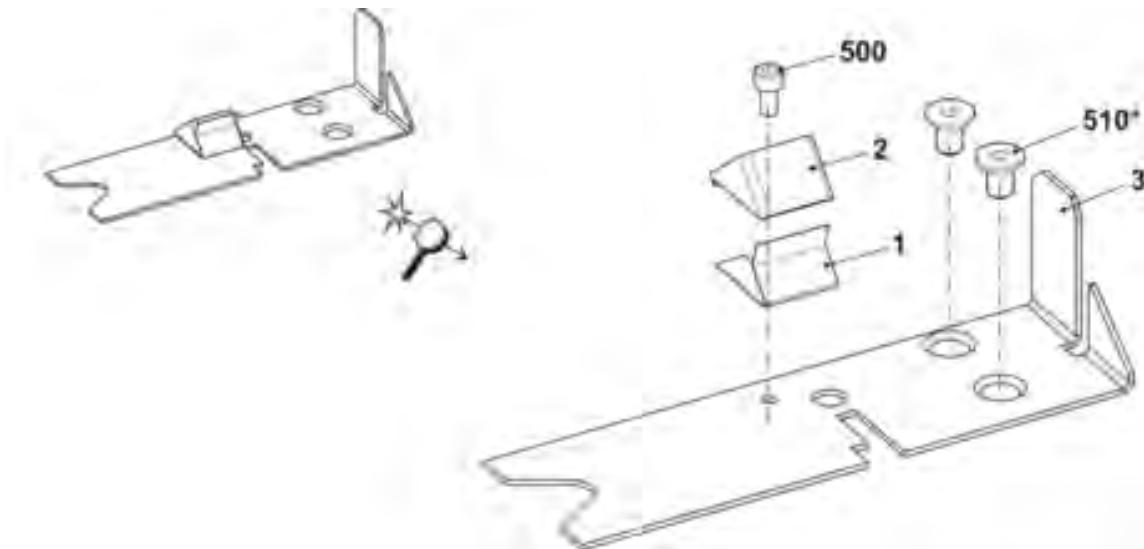
14.8.2.1 Motor

Pos	Designation	Id		Pos	Designation	Id
Σ	Motor auxiliary take-down complete	214 449		8	Wave	219 025
1	Motor auxiliary take-down	213 871		500	Cap screw M3x6	022 589
2	Motor bracket	218 040		501	Setscrew M6x10	023 543
3	Drive sleeve	219 024		502	Cap screw M5x55	023 321
4	Impulse disc	218 449		503	Compression spring 0,63x10,97x40	023 500
5	Gear unit 4GN36K	220 353		504	Shim ring 6x12x1	023 444
7	Light barrier Auxiliary take-down	217 462		508	Dowel pin 5x28	241 686



14.8.3 Yarn brake on the right

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn brake on the right	240 021		3	Cover on the right	240 022
1	Leaf spring	232 164		500	Cap screw M4x8	022 501
2	Clamping piece	232 165		510*	Countersunk screw M6x10	023 046



14.9 Sanding Paper Brake

14.9 Sanding Paper Brake

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

