

Spare parts catalog

CMS 830S (Type 633)

Component type 03

E7.2 | E9.2

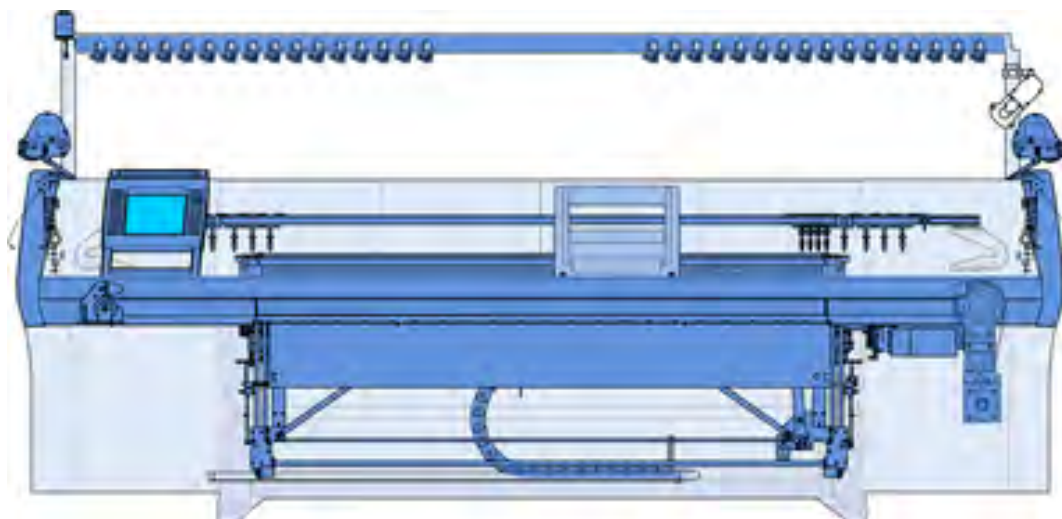


Table of contents

1	Introduction	7
1.1	Search help	8
1.2	Torques	9
2	Carriage drive	11
2.1	Drive	12
2.1.1	Motor and belt drive	13
2.1.2	Tension bearing	14
2.2	Energy chain and plunger	15
3	Racking	17
3.1	Racking drive	18
4	Needle beds	19
4.1	Needle bed E7.2	20
4.2	Continuation needle bed E7.2	21
4.3	Needle bed E9.2	22
4.4	Continuation needle bed E9.2	23
4.5	Clamping/cutting unit	24
4.5.1	Crankcase	25
4.5.2	Crankcase with drive	26
4.5.3	Selection housing	27
4.6	Cover on the left and on the right	28
5	Carriage	29
5.1	Overview of carriage	30
5.2	Overview of carriage, continuation	31
5.3	Cam parts E7.2 (Top side)	32
5.4	Cams E7.2 (bottom side)	33
5.5	Cams E9.2 (Top side)	34
5.6	Cams E9.2 (bottom side)	35
5.7	Loop forming cam on the left and right	36
5.8	Jack cam box E7.2	37
5.9	Jack cam box E9.2	38
5.10	Yarn carrier driving without guide part	39
5.11	Yarn carrier driving with guide part	40
5.12	Needle detector	41
5.13	Brush holder	42
5.14	Carriage	43
5.15	Carriage cover	44

5.16	Carriage guide	45
5.17	Control unit jack/presser foot on the left E9.2	46
5.18	Control unit jack/presser foot middle E9.2	47
5.19	Control unit jack/presser foot on the right E9.2	48
5.20	Control unit jack/presser foot on the left E9.2	49
5.21	Control unit jack/presser foot in the middle E9.2	50
5.22	Control unit jack/presser foot on the right E9.2	51
5.23	Control unit brush	52
5.24	Covers	53
5.25	Sliding rods	54
5.26	Spare parts package carriage guide rail	55
6	Main take-down	57
6.1	Main take-down	58
6.2	Main take-down on the left	59
6.3	Main take-down on the right	60
6.3.1	Mounting plate	61
6.3.2	Full floating axle	62
6.4	Main take-down in the middle	63
6.4.1	Rear take-down roller	64
6.4.2	Front take-down roller	65
6.4.2.1	Front roller elements	66
6.4.2.2	Pressure angle rail	67
6.4.3	Stripper angle	68
6.4.4	Impulse sensor and motor	69
6.5	Take-down closing device	70
6.6	Continuation of take-down closing device	71
6.6.1	Right swivel support	72
6.6.2	Swivel holder in the middle	73
6.6.3	Left swivel holder	74
7	Auxiliary take-down	75
7.1	Auxiliary take-down	76
7.1.1	Auxiliary take-down pre-assembled	77
7.1.1.1	Contact lever	78
7.1.1.2	Take-down roller	79
7.1.1.3	Left bearing of the auxiliary take-down	80
7.1.1.4	Right bearing of the auxiliary take-down	81
7.1.2	Motor	82
8	Comb take-down	83
8.1	Comb take-down	84
8.1.1	Comb take-down on the left	85
8.1.2	Comb take-down on the right	86
8.1.2.1	Drive shaft of comb	87

8.1.2.2	Swivel lever comb take-down	88
8.1.3	Comb take-down in the middle	89
8.1.3.1	Comb unit	90
8.1.3.1.1	Switching lever comb take-down	91
9	Yarn delivery device	93
9.1	Yarn guide system with 20 FKE	94
9.2	Yarn control device	95
9.3	Left yarn guide	96
9.3.1	Left yarn tensioner	97
9.3.1.1	Left tension axle	98
9.3.2	Yarn deflector	99
9.4	Right yarn guide	100
9.4.1	Right yarn tensioners E10-18	101
9.4.1.1	Right tension axle E10-18	102
9.5	Yarn carriers and yarn carrier rails	103
9.6	Carriage of yarn carrier	104
9.7	Yarn guide bracket	105
9.8	Bobbin board	106
9.9	Left friction feed wheel	107
9.10	Right friction feed wheel	108
9.11	Thread clamp	109
10	Fluff absorption	111
10.1	Fluff absorption	112
10.2	Lint container	113
10.3	Hose set	114
11	Operation and control	115
11.1	Input unit	116
11.2	Starting device	117
11.2.1	Bearing of the engaging rod	118
11.3	Signal light	119
11.4	Collecting area - control	120
11.5	Shock stop motion	121
11.6	Measuring device	122
12	Protective devices	123
12.1	Lateral safety doors	124
12.2	Panelling	125
12.3	Rear panel	126

13	Electrical equipment	127
13.1	Circuit diagram (221) as PDF	128
13.2	Fuses	129
13.3	Trailing cable	130
13.4	Cable set installation	131
13.4.1	Loom of cables base 1	132
13.4.2	Loom of cables base 2	133
13.4.3	Loom of cables 86"	134
13.4.4	Loom of cables COMB	135
14	Control electronics	137
14.1	Left control cabinet	138
14.2	Right control cabinet	139
15	Deliverable accessories	141
15.1	Tool	142
15.2	Lubricating stuff	143
16	Special attachments	145
16.1	Complete yarn carriers	146
16.2	Carriage of plating yarn carrier	147
16.3	Additional board at the bottom	148
16.4	Additional board retrofit kit	149
16.5	Carriage of plating yarn carrier EW 46	150
16.6	Carriage of plating yarn carrier (adjustable)	151
16.7	Plating yarn carrier 3+6	152
16.8	Plating yarn carrier 4+5	153
16.9	Bobbin holder on the left	154
16.10	Bobbin holder on the right	155
16.11	Yarn length measuring device on the left complete	156
16.11.1	Yarn length measuring device	157
16.12	Yarn length measuring device on the right complete	158
16.12.1	Yarn length measuring device on the right	159

1 Introduction

Imprint

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

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Notes for the order

This catalog serves to order spare parts.

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

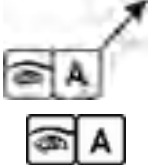
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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

Only genuine STOLL spare parts may be used for repairs.

1.1 Search help

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

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

1.2 Torques

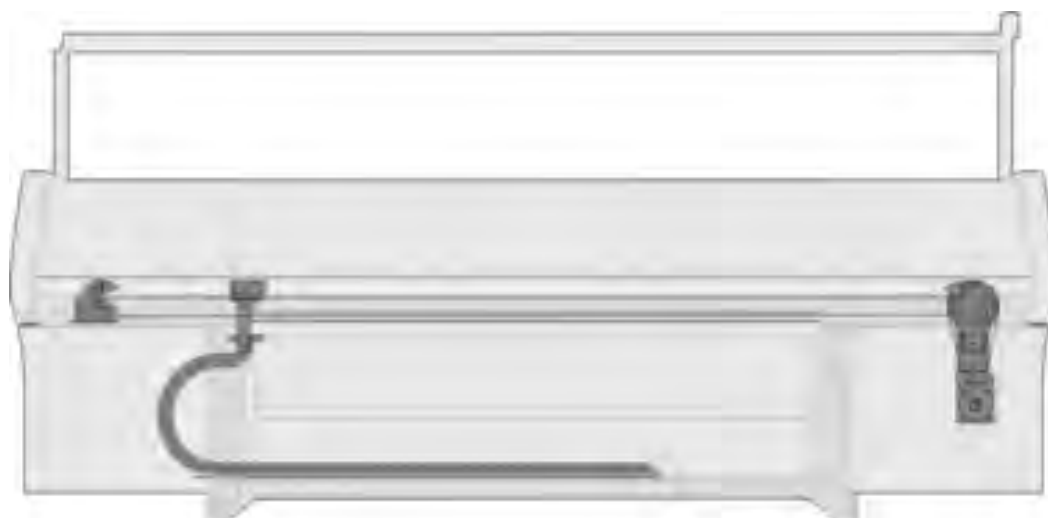
Drehmomente Torques Couples Coppias Momentos de rotación		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clasas de resistencia		
[Nm] ± 10 % (für $\mu_{\text{ges}} = 0,12$)		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filatto regolatore Filete regulador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

Preferential row of screw torques

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

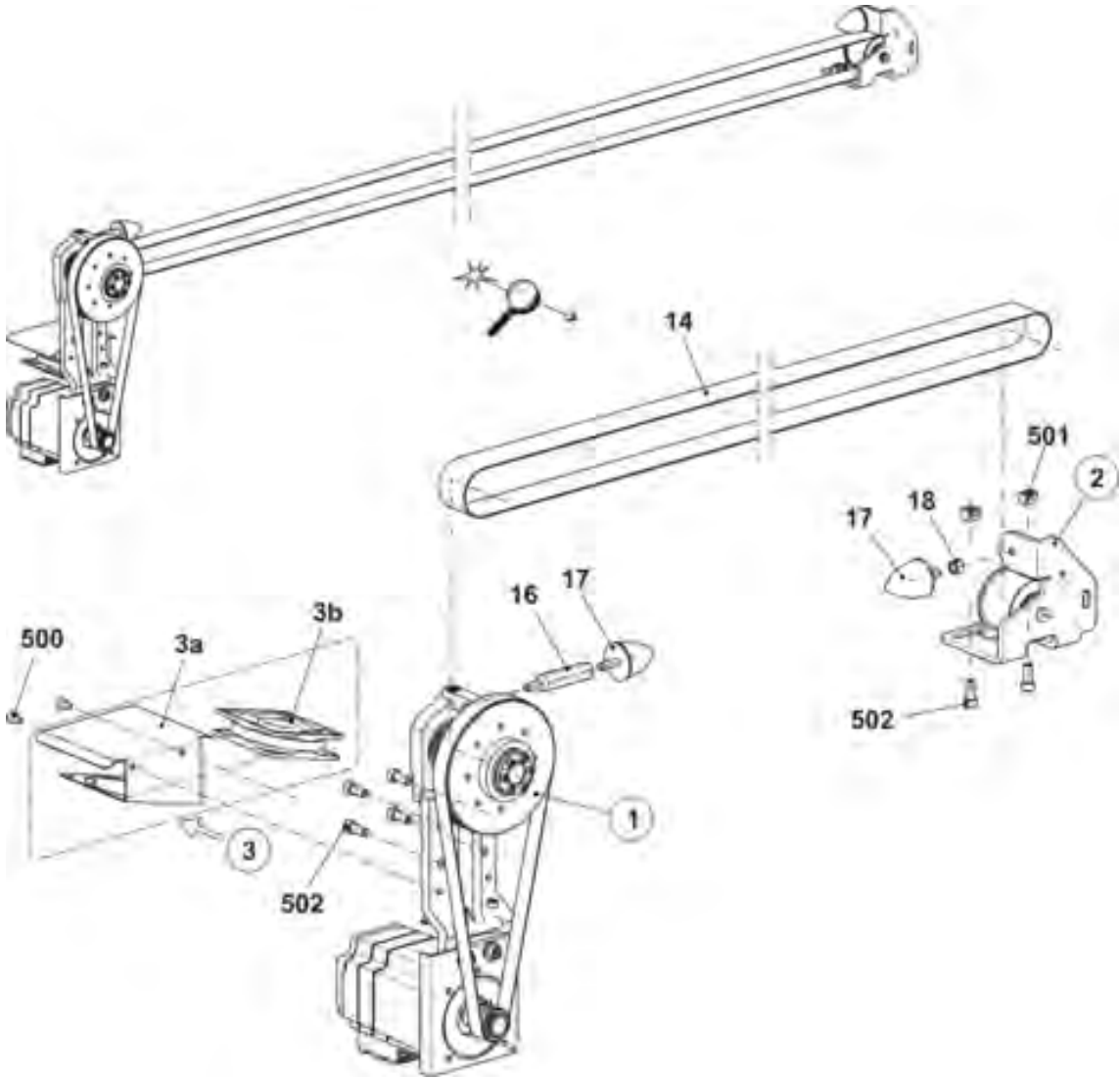
Notes:

2 Carriage drive



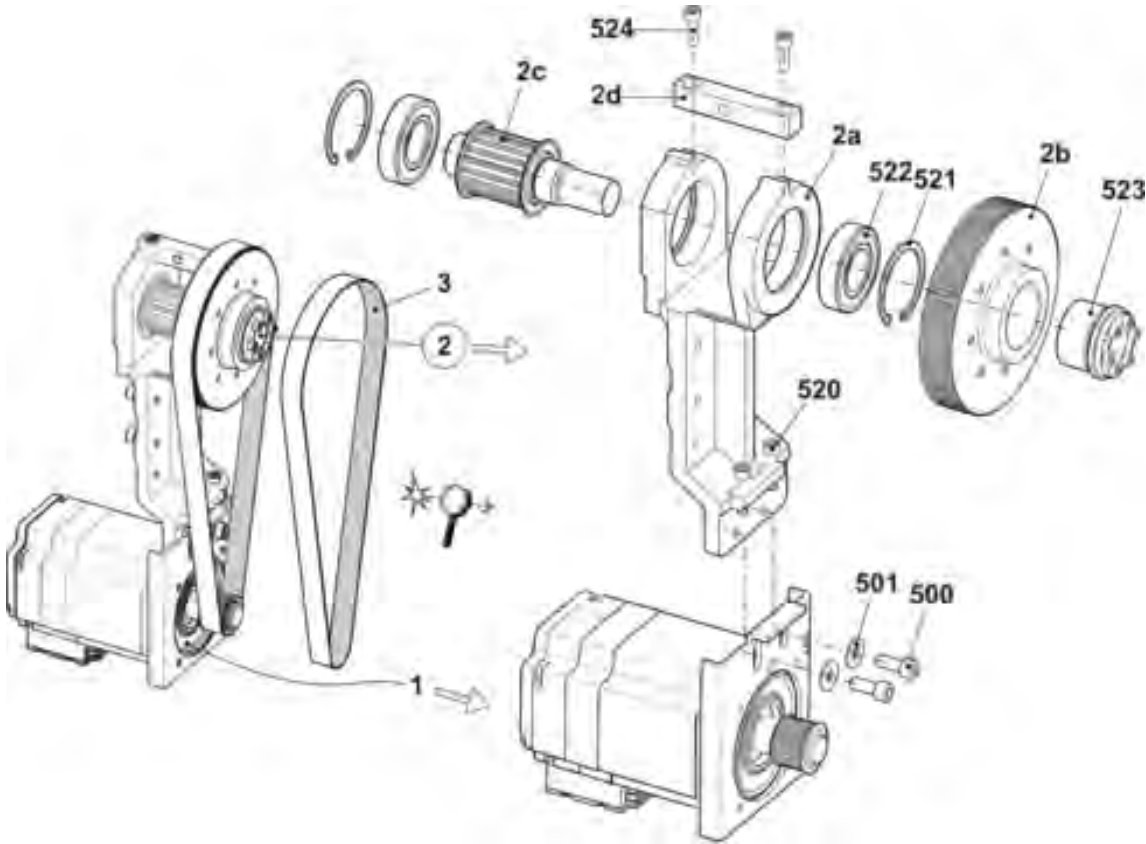
2.1 Drive

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive unit				
1	Drive unit complete	240 743	16	Hexagon bolt	254 823
2	Tension bearing complete	251 581	17	Parabolic spring	200 661
3	Fan complete	242 413	18	Spacer pipe	253 867
	3a	Fan plate drive motor	500	Cap screws M8x12	023 138
	3b	Fan complete512	501	Sliding nut M10X12	023 471
14	Toothed belt50AT10/7040HP	254 822	502	Cap screw M10X25	020 157



2.1.1 Motor and belt drive

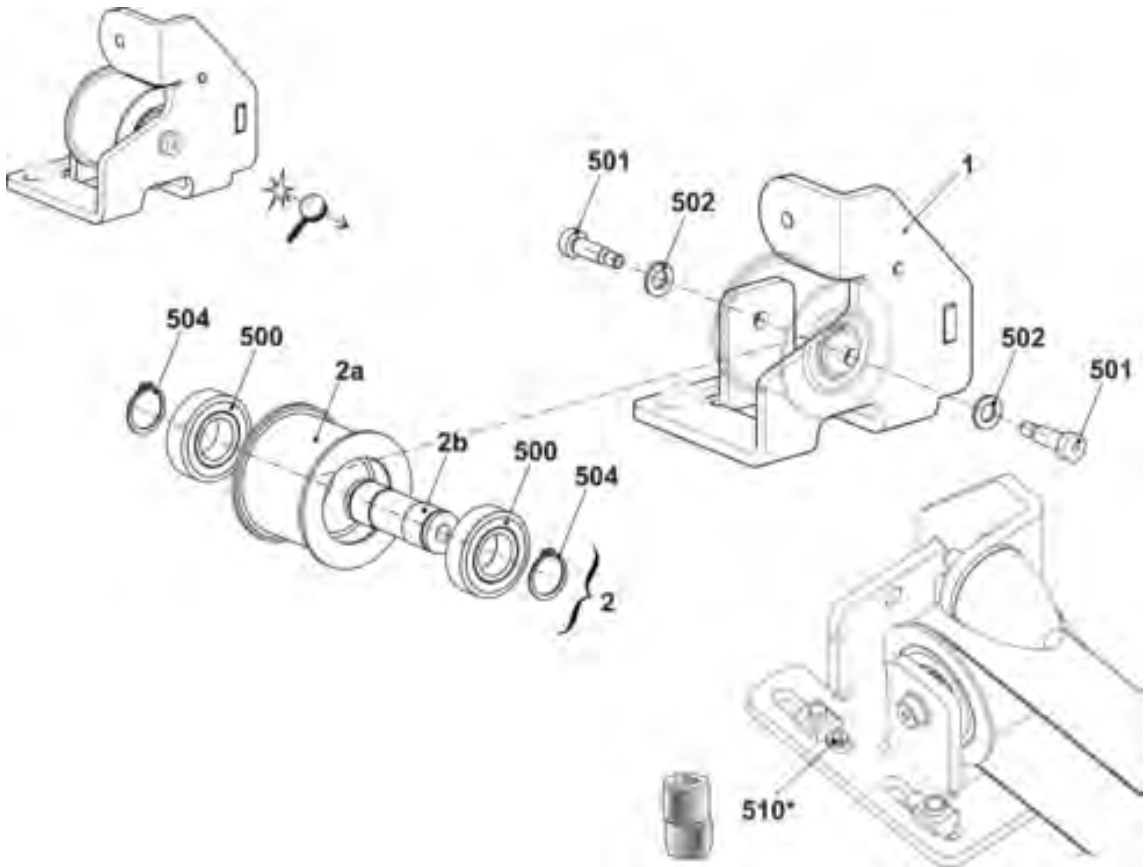
Pos	Designation		Id		Pos	Designation		Id	
Σ	Drive unit complete		240 743						
1	Drive unit		256 301			521	Retaining ring72x2.5		022 914
2	Drive bearing complete		255 005			522	Grooved ball bearing 6207-2RS		022 915
	2a	Drive bearing ECO2	252 634			523	Tension set 30X55		023 208
	2b	Toothed belt pulley	240 616			524	Cap screw M8X25 12.9		020 142
	2c	Pinion57 AT10 18	242 039		3	Toothed belt250 HP-S5M 1050 NG		240 628	
	2d	Support of buffer	222 100		500	Cap screw M10X25		020 157	
520	Cap screw M8X35	020 144	501		Disk10,5X25X2,5		022 178		



2.1 Drive

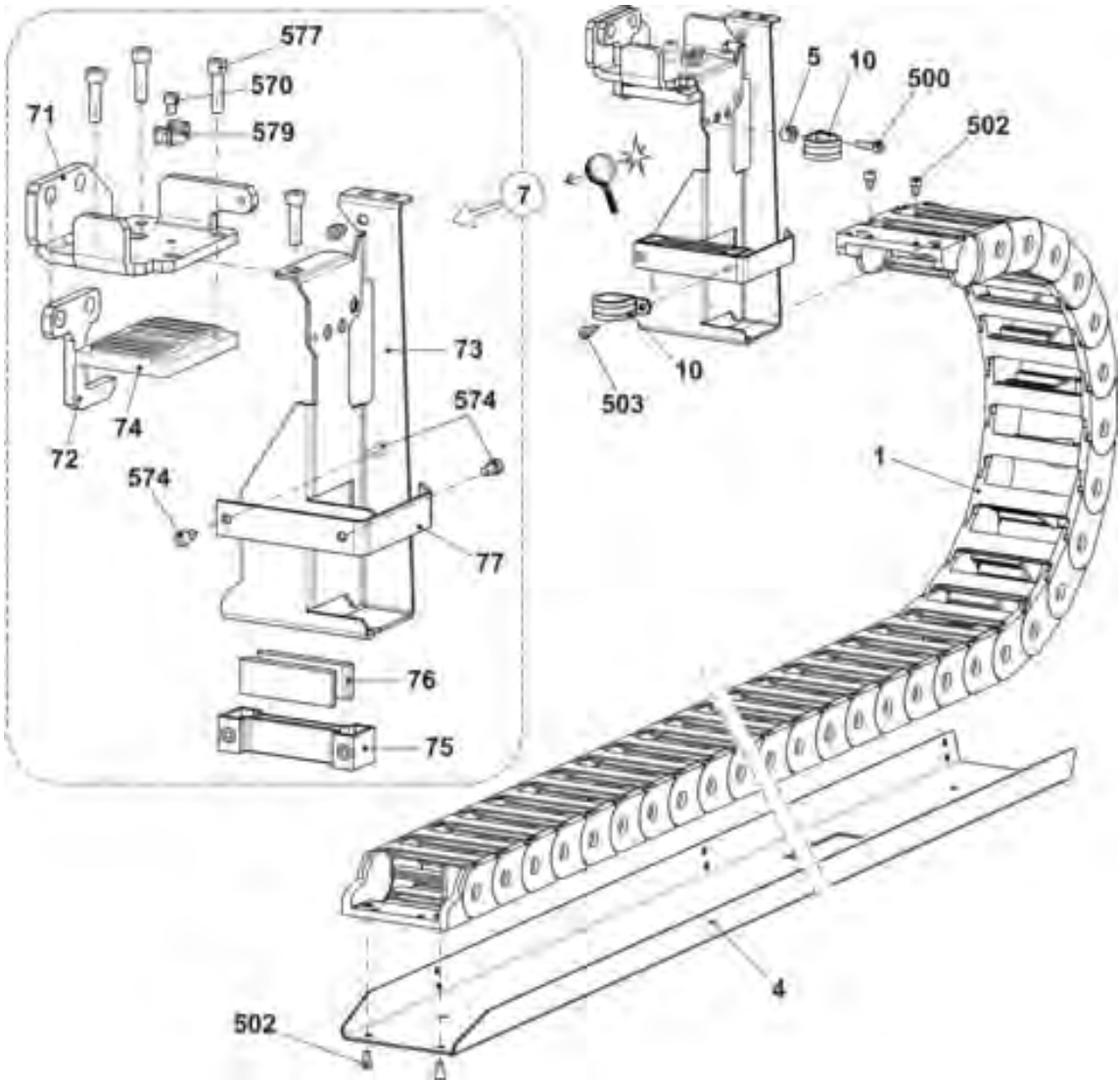
2.1.2 Tension bearing

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



2.2 Energy chain and plunger

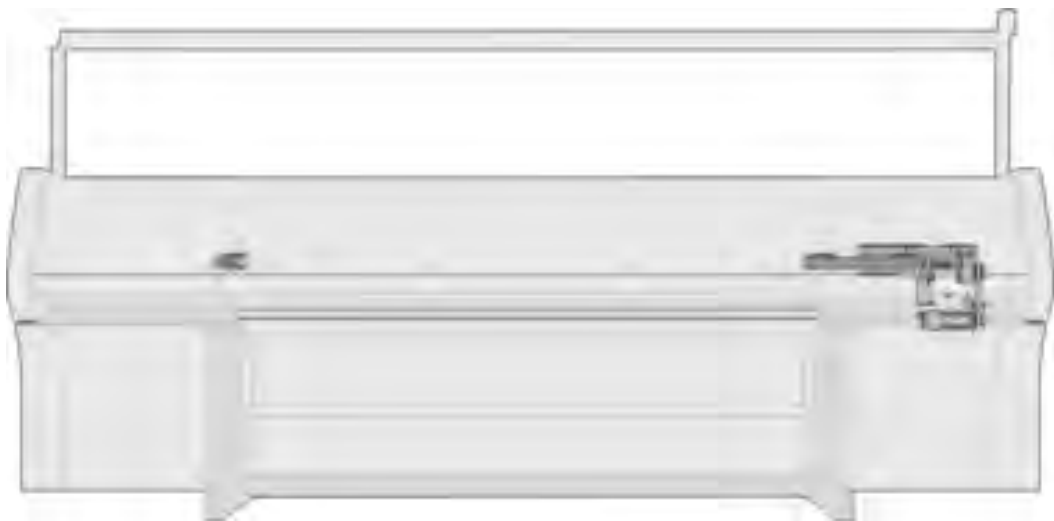
Pos	Designation	ID	Pos	Designation	ID
1	Energy chain 40 links	259 232	7	Continuation carriage driver complete	
4	Depositing gutter	259 273	77	Cover strip	258 379
5	Threaded spacer	214 584	574	Cap screw M6x12	020 134
7	Carriage driver complete	259 280	577	Cap screw M8x30	020 143
71	Carriage driver	258 380	579	Fixing element	026 489
72	Switch flag carriage driver	258 381	570	Cap screw M6x8	023 411
73	Cable driver	259 286	10	Hose clip	214 653
74	Clamping plate	252 592	500	Cap screw M6x20	020 136
75	Cable holder	204 688	502	Cap screw M6x8	023 411
76	Cellular caoutchouc black	202 597	503	Cap screw M6x16	020 135



2.2 Energy chain and plunger

Notes:

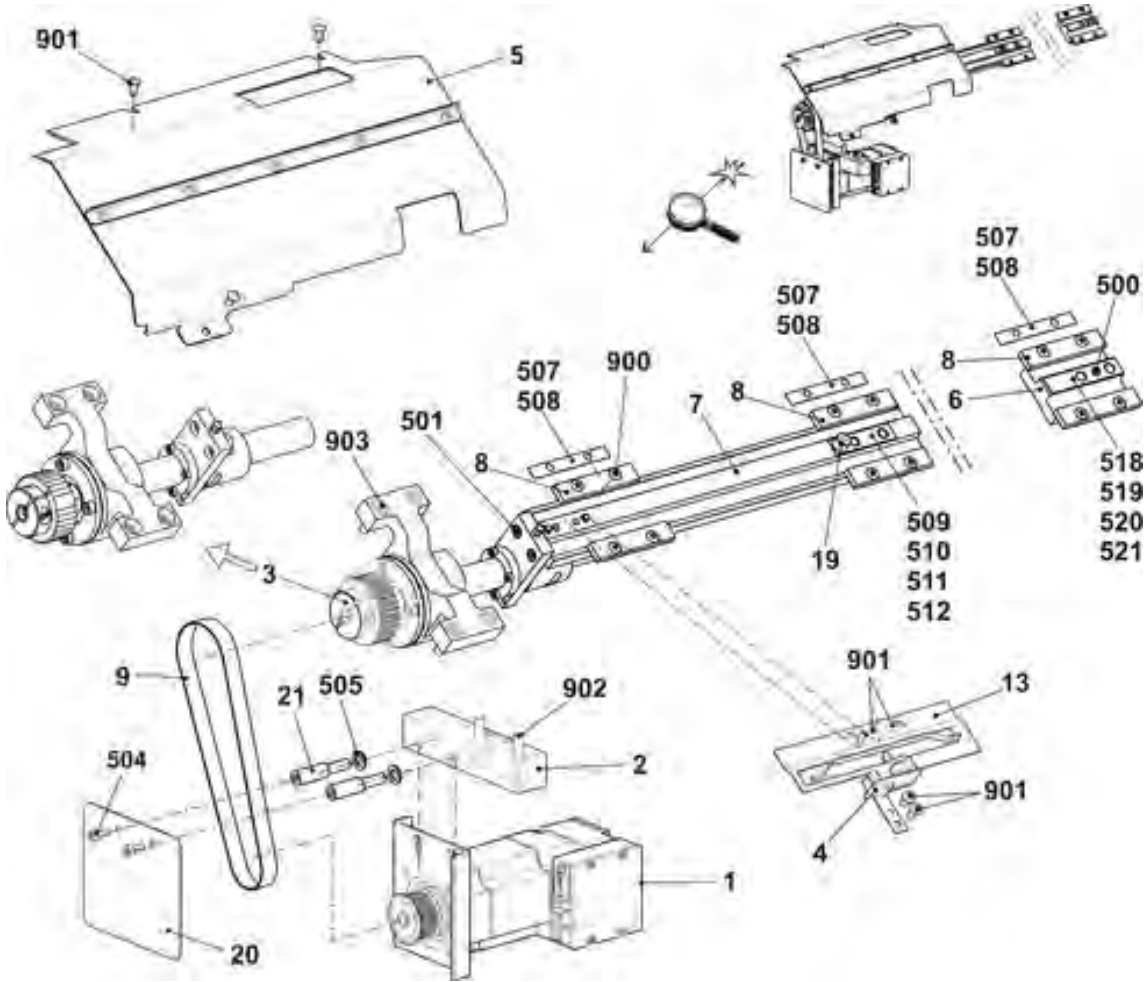
3 Racking



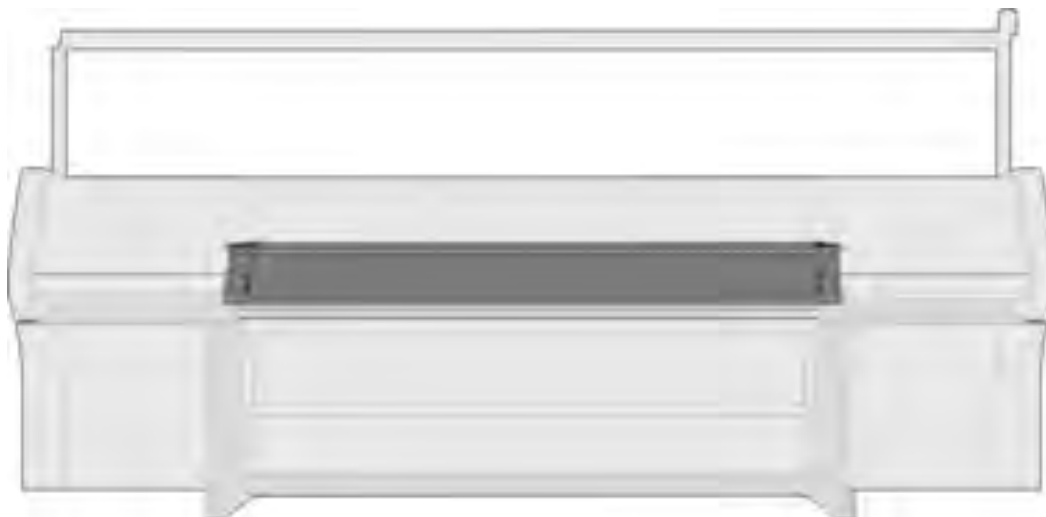
3.1 Racking drive

3.1 Racking drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Racking		504	Cap screw M5x12	020 132
1	Racking motor complete	258 192	505	Washer	022 175
2	Bearing	227 605	507	Shim0,03x11x80	023 286
3	Spindle bearing	253 262	508	Shim0,05x11x80	023 287
4	Card racking limit switch	229 396	509	Shim0,03x15x63	023 482
5	Racking cover plate at the rear	254 776	510	Shim0,05x15x63	023 483
6	Racking strip on the left	213 799	511	Shim0,1x15x63	023 484
7	Racking strip	241 853	512	Shim0,2x15x63	023 485
8	Guide strip	206 382	518	Shim0,03x15x75	023 395
9	Toothed belt150 S 5M 425	229 280	519	Shim0,05x15x75	023 396
13	Switch plate	254 448	520	Shim0,1x15x75	023 397
19	Stop screw	222 645	521	Shim0,2x15x75	023 398
20	Cover plate	232 544	900	Cap screw M6x12	022 795
21	Distance bolt	232 543	901	Pan-head screw M6x10	023 183
500	Cap screw M4x4	022 767	902	Cap screw M8x30	020 143
501	Cap screw M6x16	023 116	903	Cap screw M8x25	020 142



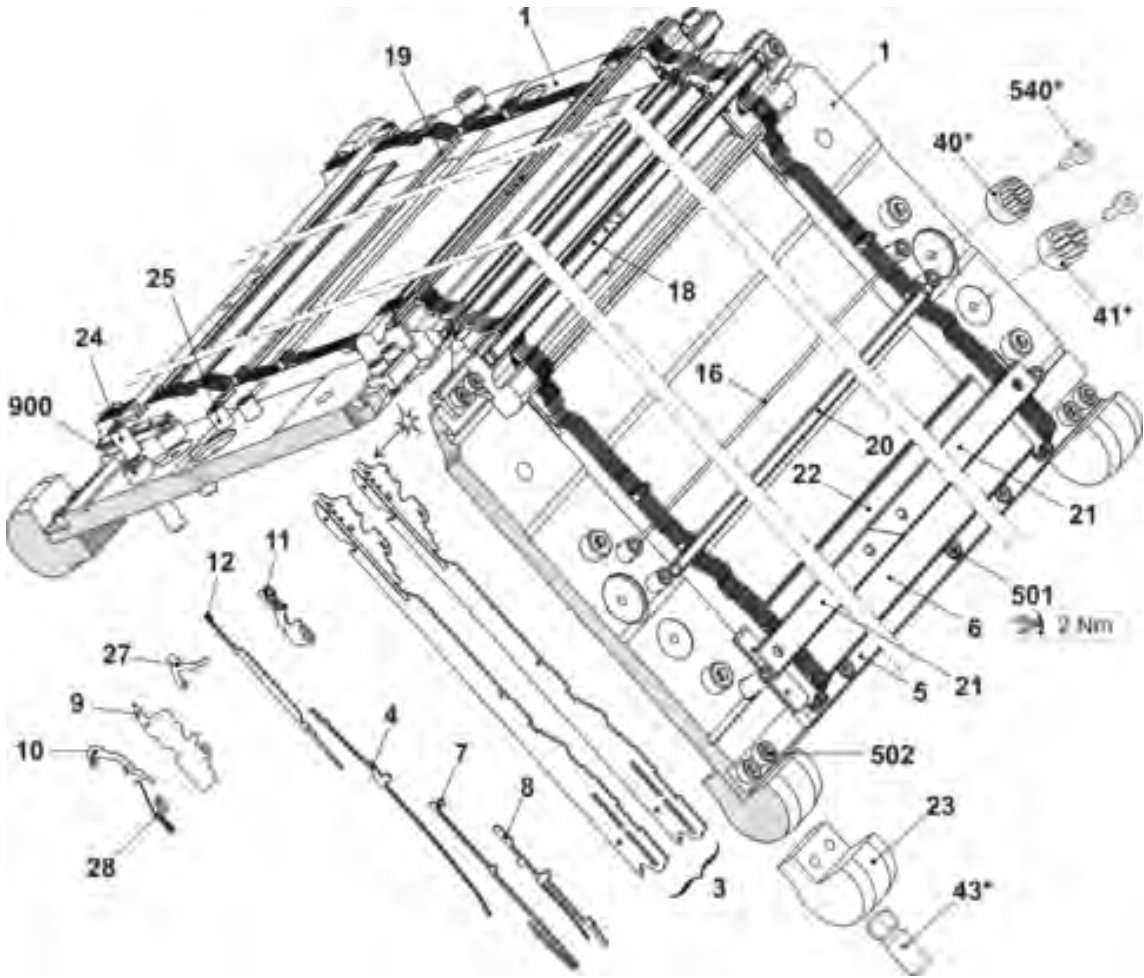
4 Needle beds



4.1 Needle bed E7.2

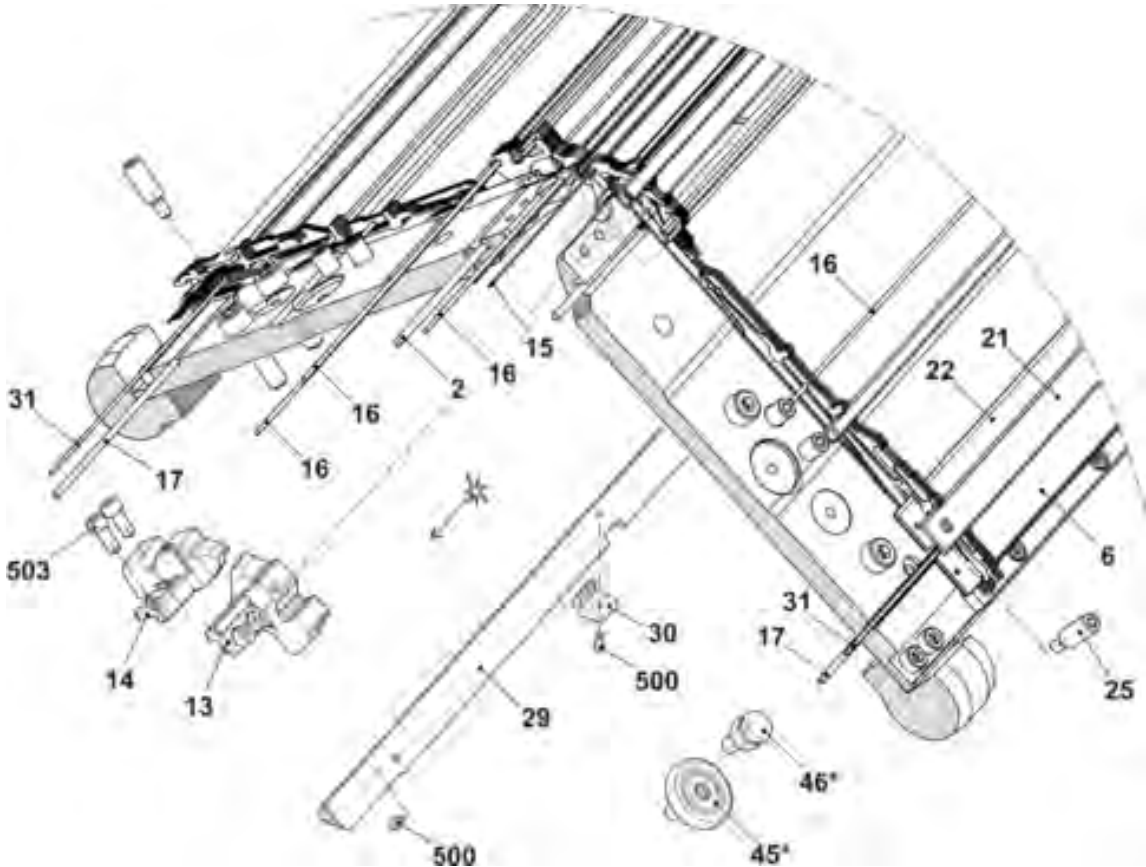
4.1 Needle bed E7.2

Pos	Designation	ID		Pos	Designation	ID
Σ	Needle bed complete at the front and rear E7.2	254 527		20	Cover rail at the front E7.2	254 531
1	Needle bed at the front + rear E7.2	254 526		21	Cover rail selectionE7.2+9.2	254 367
3	Main trick wall pair complete E7.2	252 639		22	Intermediate railE7.2	254 361
4	Coupling part E7.2	237 964		23	Support	240 604
5	Pressure stripE7.2+9.2	254 311		24	Stop screwAWS	235 243
6	Intermediate railE7.2	254 530		25	Stop screw	235 244
7	Intermediate slider E7.2	237 968		27	Yarn guide jack E7.2	252 674
8	Selection jack E7.2	251 063		28	SpringNHP	237 057
9	Wire supportE7.2	237 942		501	Cap screw M5x8	023 154
10	Holding-down jack E7.2	252 675		502	Cap screw M6x12	020 134
11	Needle guide E7.2	252 676		900	Cap screw M8x30	020 143
12	Needle E7.2	252 632		40*	Disk brush	230 744
16	Spring steel wire E7.2+9.2 D=2	254 363		41*	Disk brush	202 600
18	Needle barE7.2+9.2	254 368		43*	Adjusting bolt	230 742
19	Cover rail at the rearE7.2+9.2	254 365		540*	Cap screw M5x12	020 032



4.2 Continuation needle bed E7.2

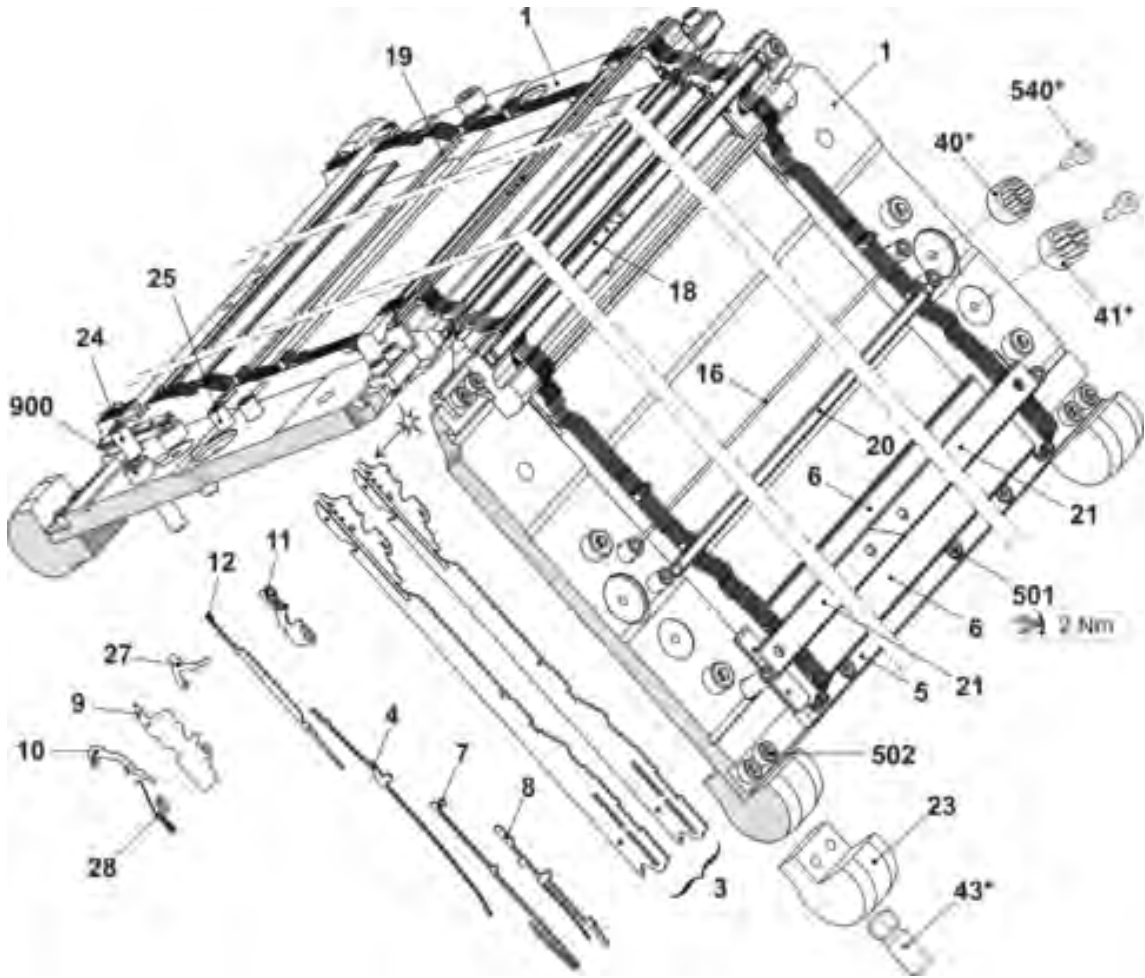
Pos	Designation	ID	Pos	Designation	ID
2	Locating wire E7.2+9.2 D=3	254 360	25	Stop screw	235 244
6	Intermediate railE7.2	254 530	29	Strip guider	254 443
13	Limiter on the left completeE5.2-9.2	236 976	30	Guider	233 023
14	Limiter on the right completeE5.2-9.2	236 977	31	Locating wire E7.2+9.2 D=1,6	254 369
15	Spring steel wire E7.2+9.2 D=0,8	254 362	500	Cap screw M3x6	022 589
16	Spring steel wire E7.2+9.2 D=2	254 363	503	Cap screw M5x12	020 132
17	Locating wire E7.2+9.2 D=2	254 364	45*	Adjusting piece	206 375
21	Cover rail selectionE7.2+9.2	254 367	46*	Set screw complete	207 712
22	Intermediate railE7.2+9.2	254 361			



4.3 Needle bed E9.2

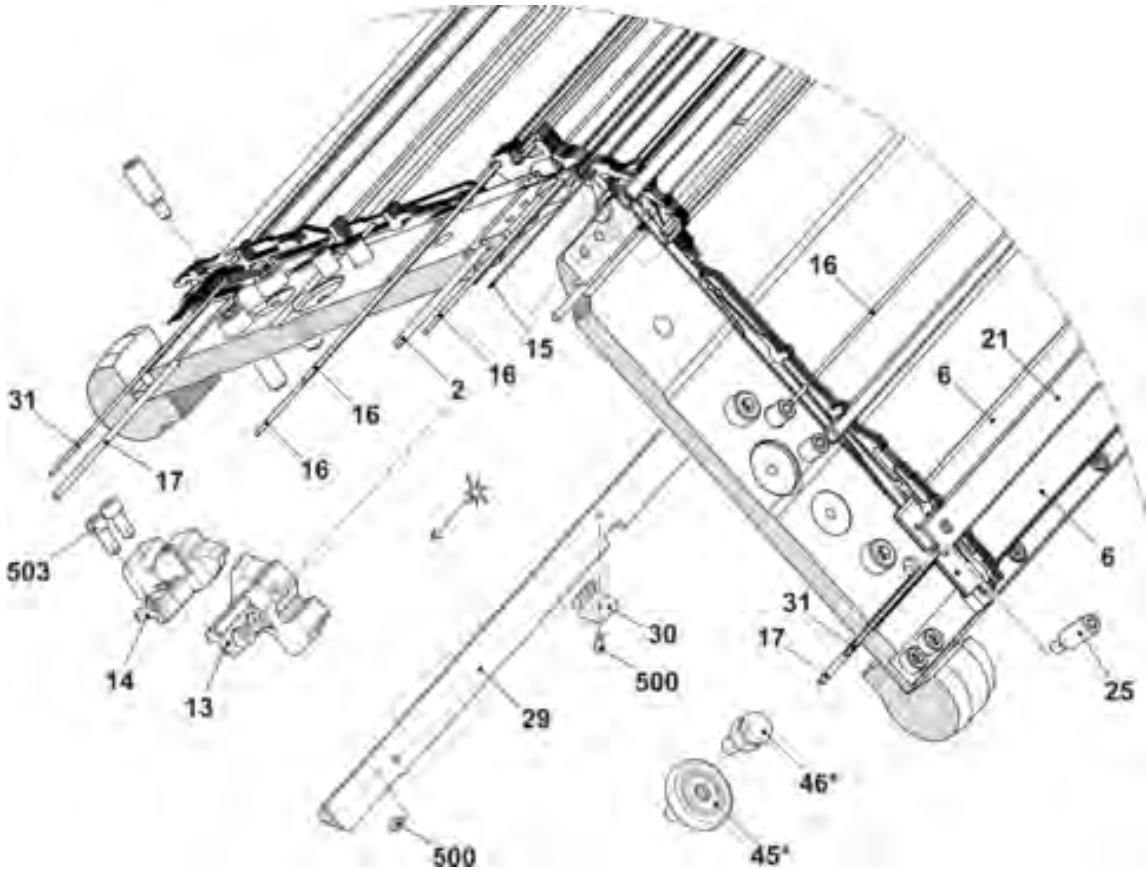
4.3 Needle bed E9.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rear E9.2	254 310			
1	Needle bed at the front + rear E9.2	254 306	20	Cover rail at the front E9.2	254 366
3	Main trick wall pair complete E9.2	254 167	21	Cover rail selectionE7.2+9.2	254 367
4	Coupling part E9.2	240 512	23	Support	240 604
5	Pressure stripE7.2+9.2	254 311	24	Stop screw AWS	235 243
6	Intermediate railE9.2	254 389	25	Stop screw	235 244
7	Intermediate slider E9.2	241 254	27	Yarn guide jack E9.2	254 170
8	Selection jack E9.2	243 170	28	Spring holding-down jackE9.2	254 287
9	Wire supportE9.2	254 171	501	Cap screw M5x8	023 154
10	Holding-down jack E9.2	254 169	502	Cap screw M6x12	020 134
11	Needle guide E9.2	254 172	900	Cap screw M8x30	020 143
12	Needle E9.2	236 260	40*	Disk brush	230 744
16	Spring steel wire E7.2+9.2 D=2	254 363	41*	Disk brush	202 600
18	Needle barE7.2+9.2	254 368	43*	Adjusting bolt	230 742
19	Cover rail at the rearE7.2+9.2	254 365	540*	Cap screw M5x12	020 032



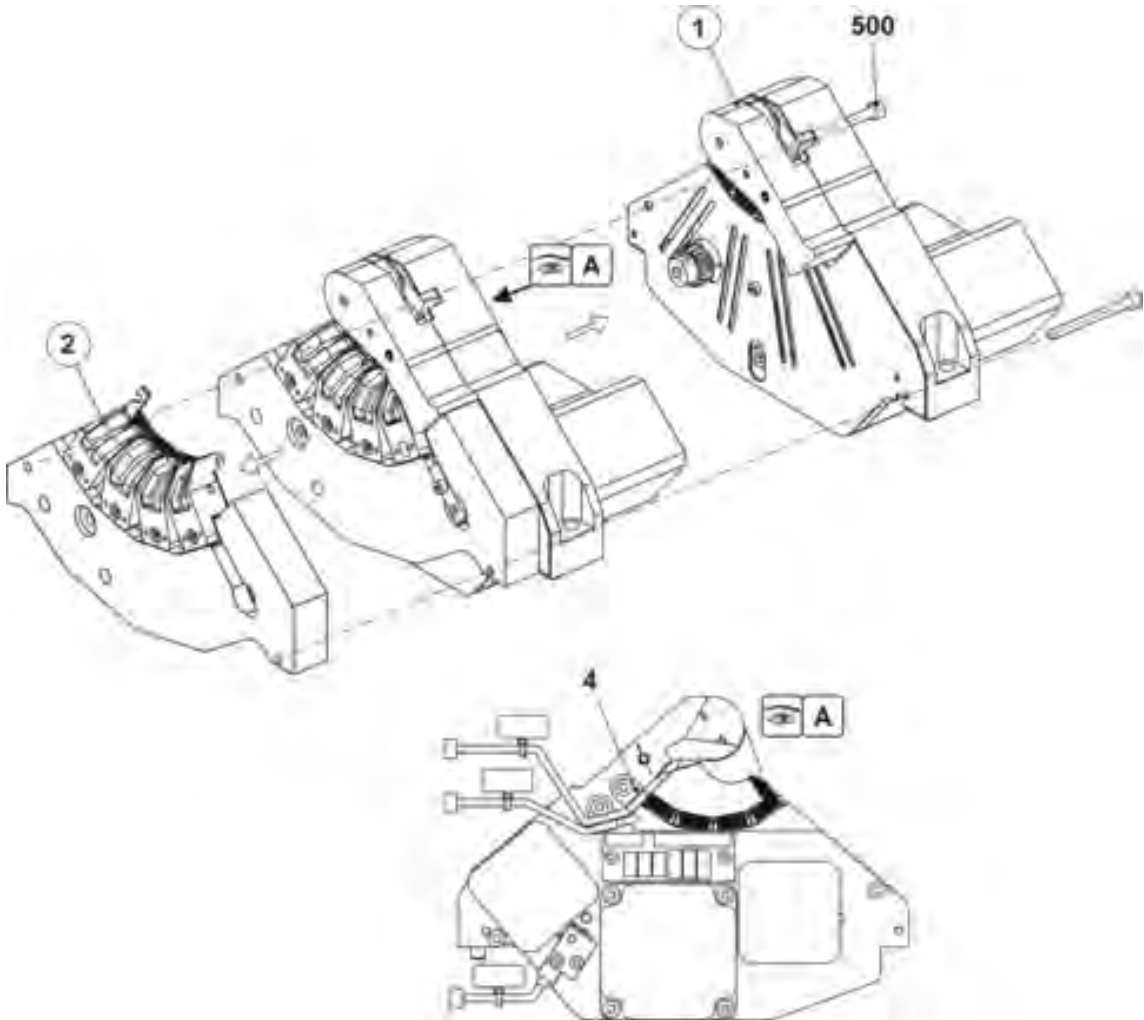
4.4 Continuation needle bed E9.2

Pos	Designation	ID		Pos	Designation	ID
2	Locating wire E7.2+9.2 D=3	254 360		25	Stop screw	235 244
6	Intermediate railE9.2	254 389		29	Strip guider	254 443
13	Limiter on the left completeE5.2-9.2	236 976		30	Guider	233 023
14	Limiter on the right completeE5.2-9.2	236 977		31	Locating wire E7.2+9.2, D=1,6	254 369
15	Spring steel wire E7.2+9.2 D=0,8	254 362		500	Cap screw M3x6	022 589
16	Spring steel wire E7.2+9.2 D=2	254 363		503	Cap screw M5x12	020 132
17	Locating wire E7.2+9.2 D=2	254 364		45*	Adjusting piece	206 375
21	Cover rail selectionE7.2+9.2	254 367		46*	Set screw complete	207 712



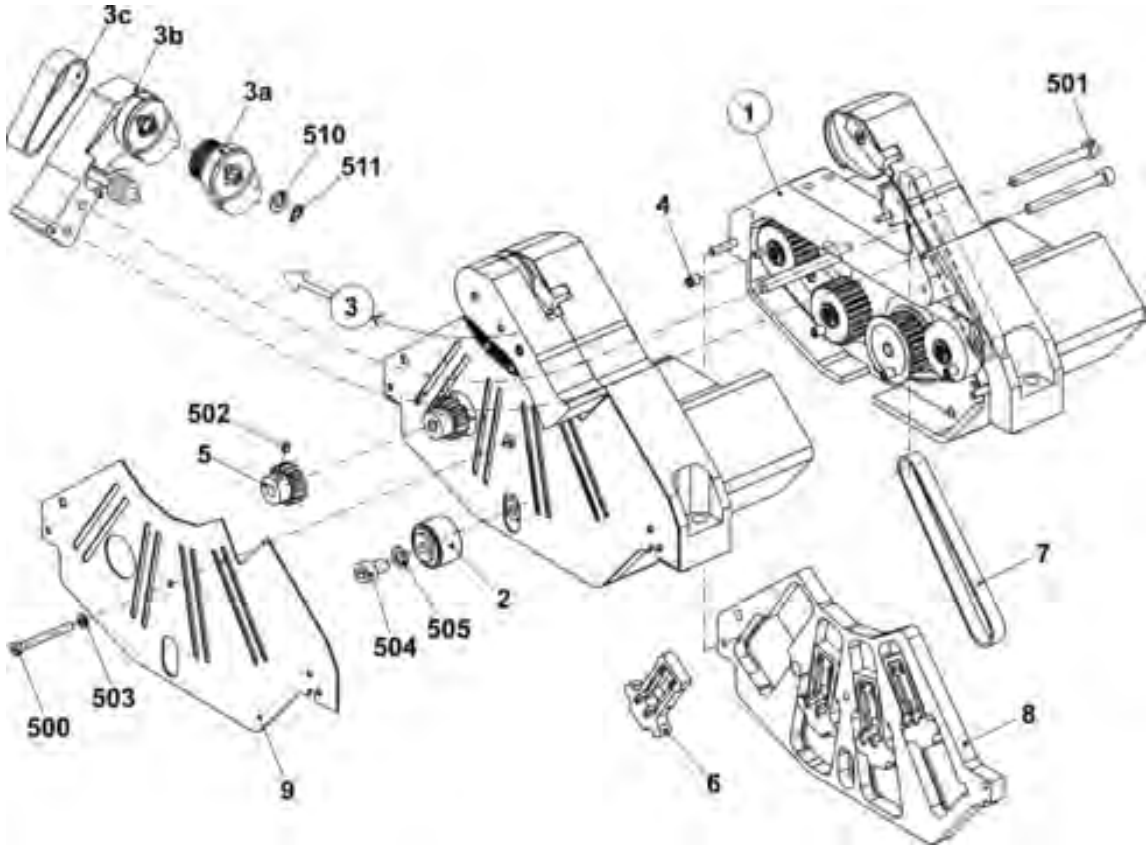
4.5 Clamping/cutting unit

Pos	Designation	Id		Pos	Designation	Id
Σ	Clamping and cutting complete	214 257				
1	Crankcase complete	214 188		4	Fastening clip 225/3,2	008 321
2	Selection housing complete	214 256		500	Cap screw M4x45	023 419



4.5.1 Crankcase

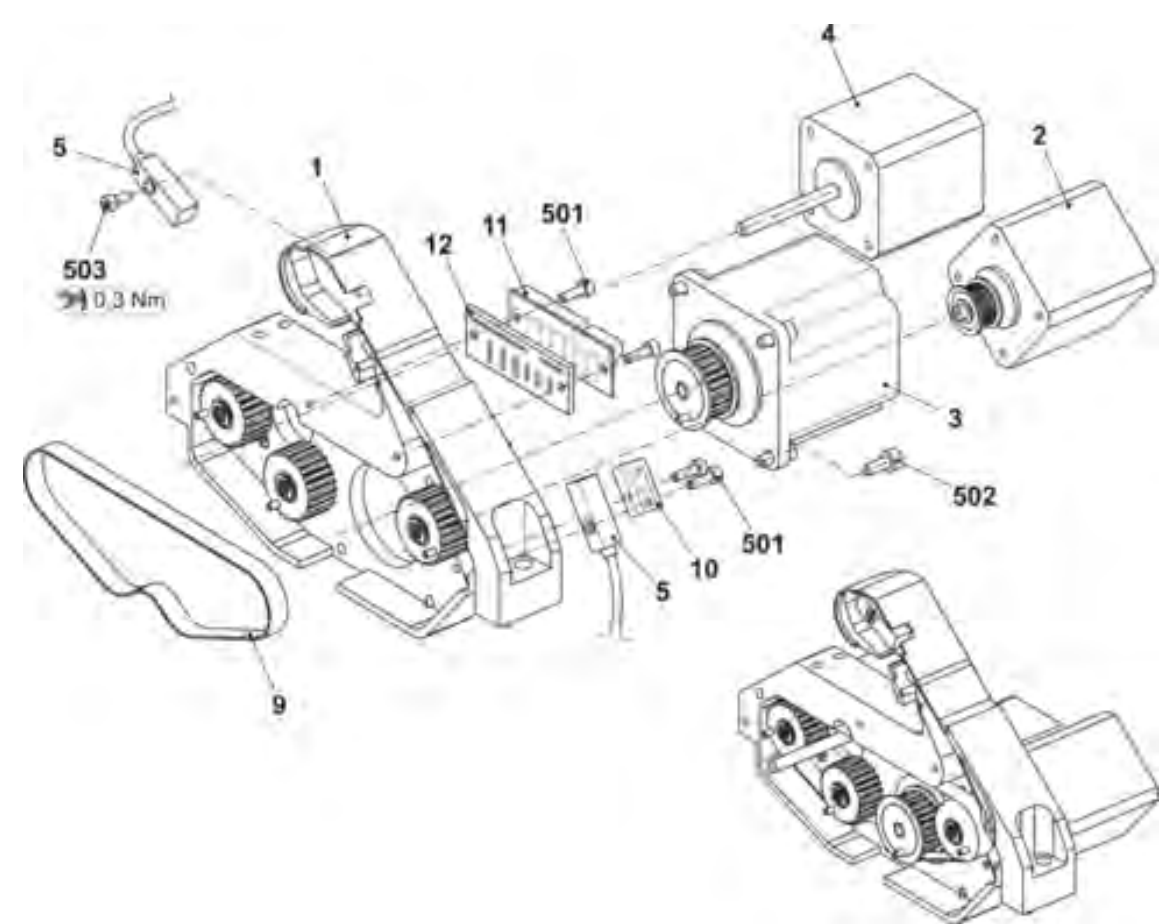
Pos	Designation	Id		Pos	Designation	Id
Σ	Crankcase complete	214 188				
1	Crankcase	215 078		6	Connecting rod slide complete	214 191
2	Tension roller complete	221 211		7	Toothed belt6M182	213 890
3	Finger support complete	235 501		8	Guiding plate	214 185
	3a	Transport segment complete	235 500	9	Intermediate plate	214 704
	3b	Finger support	234 993	500	Cap screw M3x28	022 350
	3c	Toothed belt6M111	213 889	501	Cap screw M4x40	023 095
	510	WasherA5,3	020 871	502	Setscrew M3x4-45H	022 674
	511	Retaining ring5x0,6	023 347	503	Washer3,2	020 877
4	Sleeve	214 240		504	Cap screw M5x8	023 319
5	Spur gear	213 893		505	Washer5,3	020 880



4.5 Clamping/cutting unit

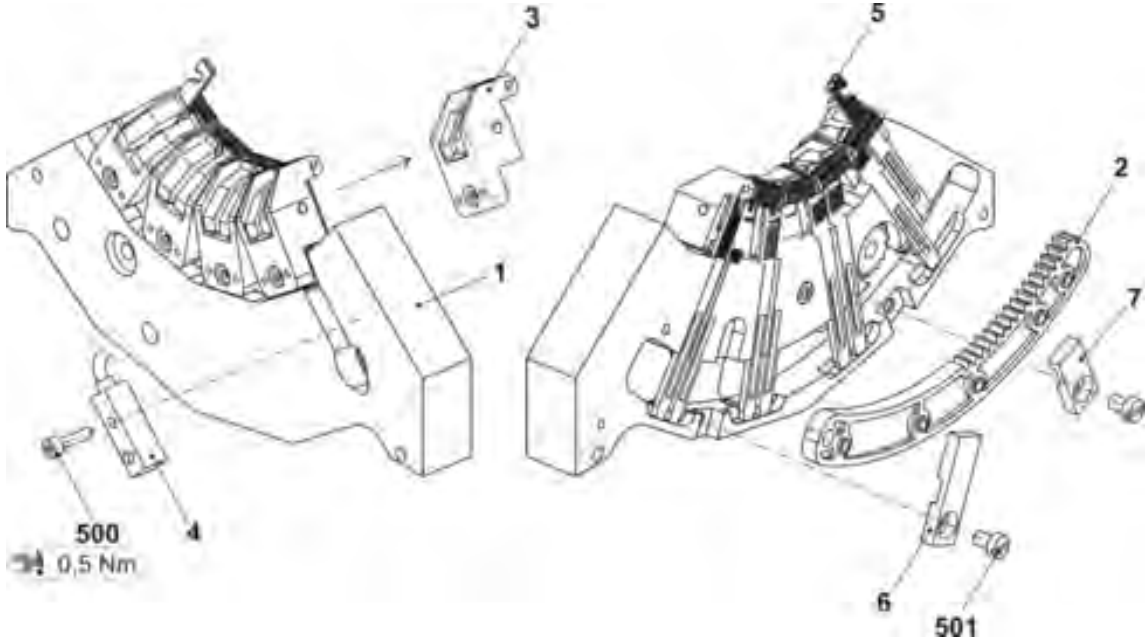
4.5.2 Crankcase with drive

Pos	Designation	Id		Pos	Designation	Id
Σ	Crankcase	215 078				
1	Crankcase	214 182		10	Sensor switch	213 721
2	Transport segment motor complete	213 815		11	Connector board	222 822
3	Step motor complete	213 819		12	Insulating plate	222 933
4	Step motor PK245	213 732		501	Cap screw M3x10	022 991
5	Proximity switch inductive	222 821		502	Cap screw M4x10	023 136
9	Toothed belt80S3M300NG	213 891		503	Cap screw M3x8	022 582



4.5.3 Selection housing

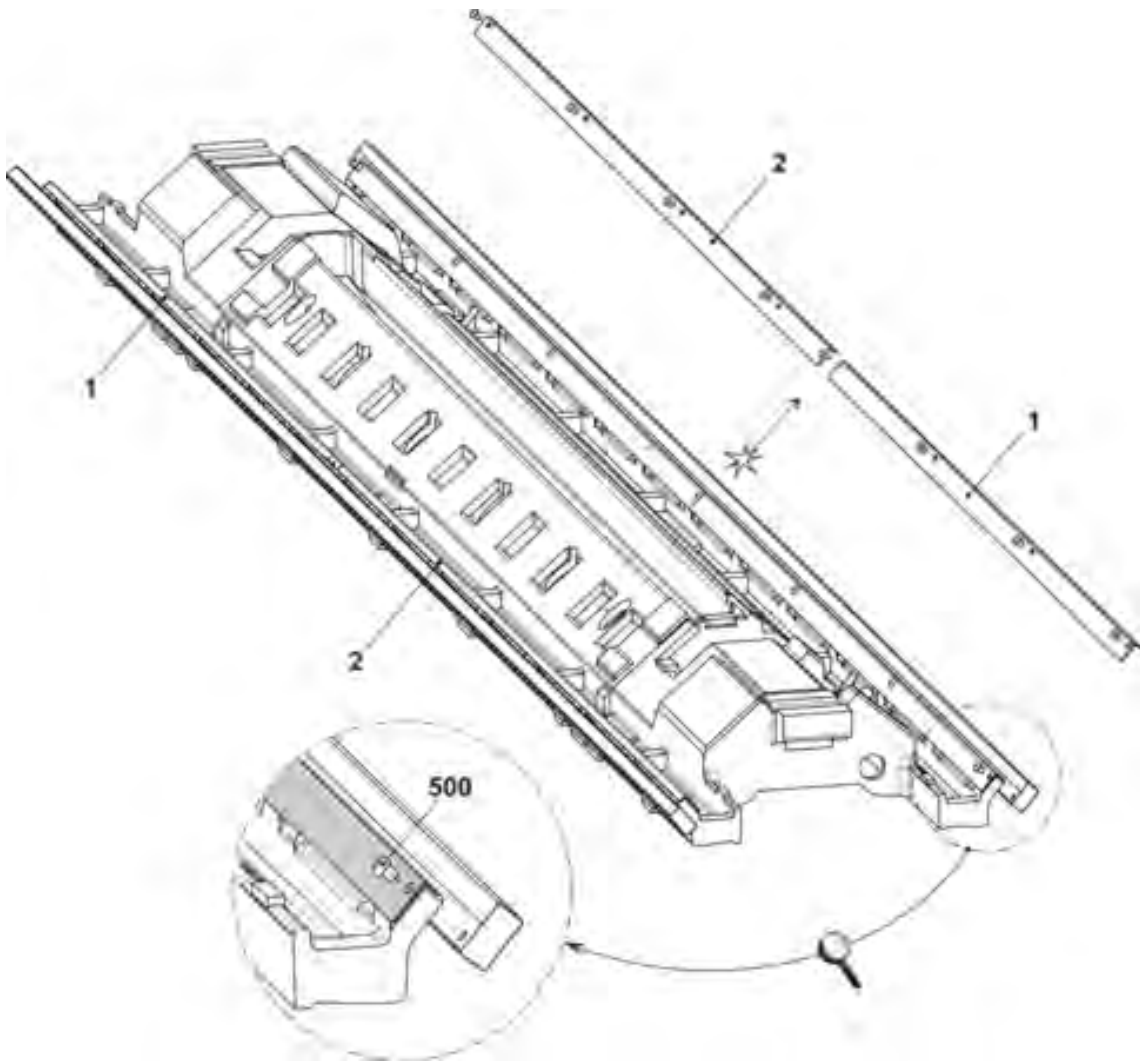
Pos	Designation	Id		Pos	Designation	Id
Σ	Selection housing complete	214 256		5	Clamping and cutting needle	216 408
1	Selection housing	214 288		6	Bridge on the left	224 698
2	Selection slide	227 073		7	Bridge on the right	224 701
3	Blade holder complete	251 720		500	Cap screw M3x12	022 648
4	Approximate switch inductive	222 821		501	Cap screw M4x6	020 019



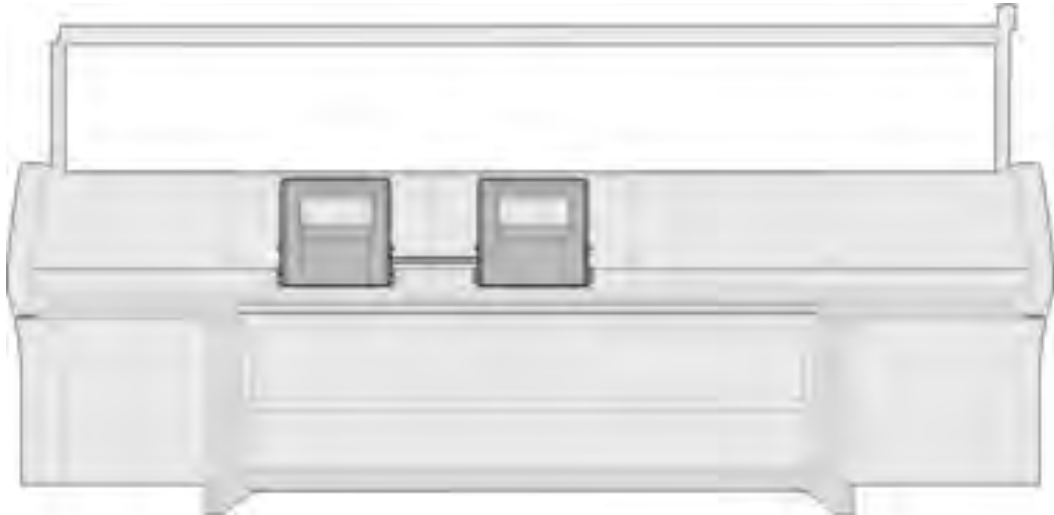
4.6 Cover on the left and on the right

4.6 Cover on the left and on the right

Pos	Designation	ID		Pos	Designation	ID
1	Cover on the left	241 938		500	Pan-head screw M8x10	241 930
2	Cover on the right	241 939				



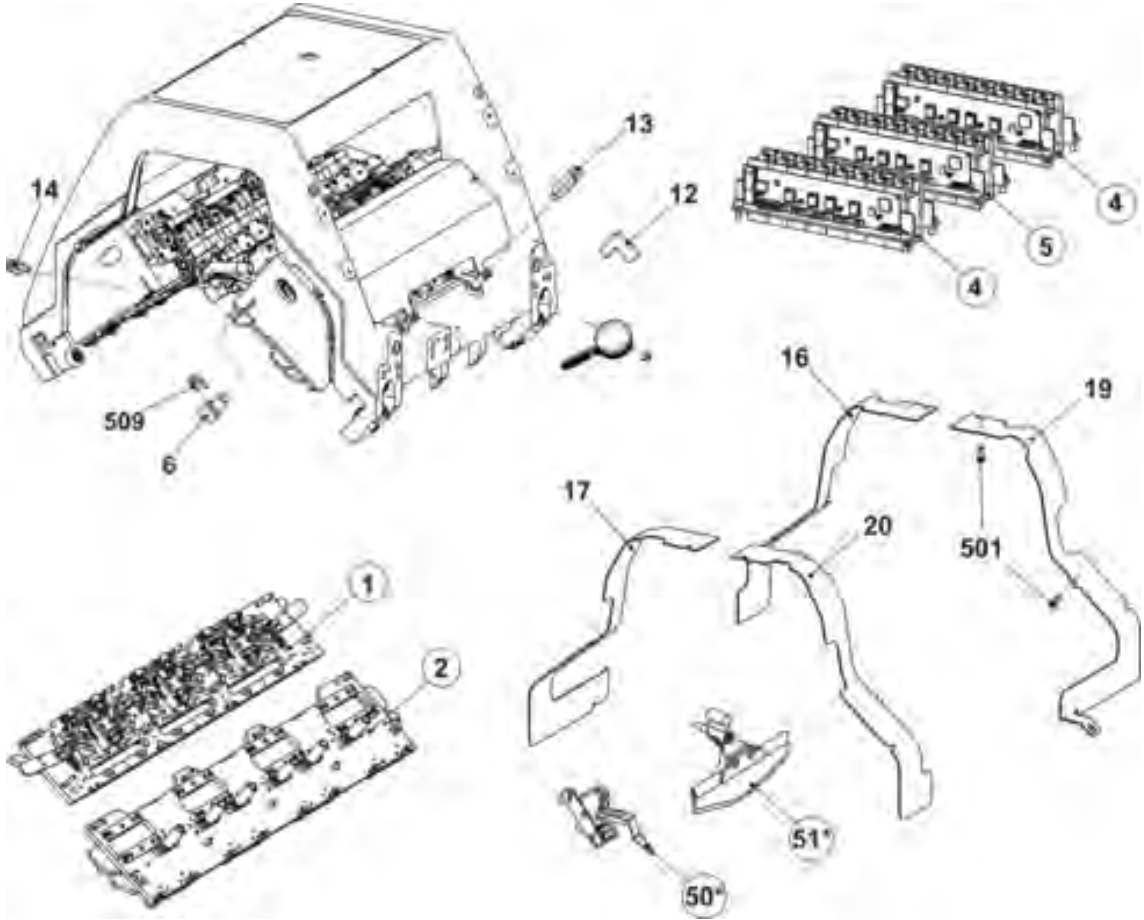
5 Carriage



5.1 Overview of carriage

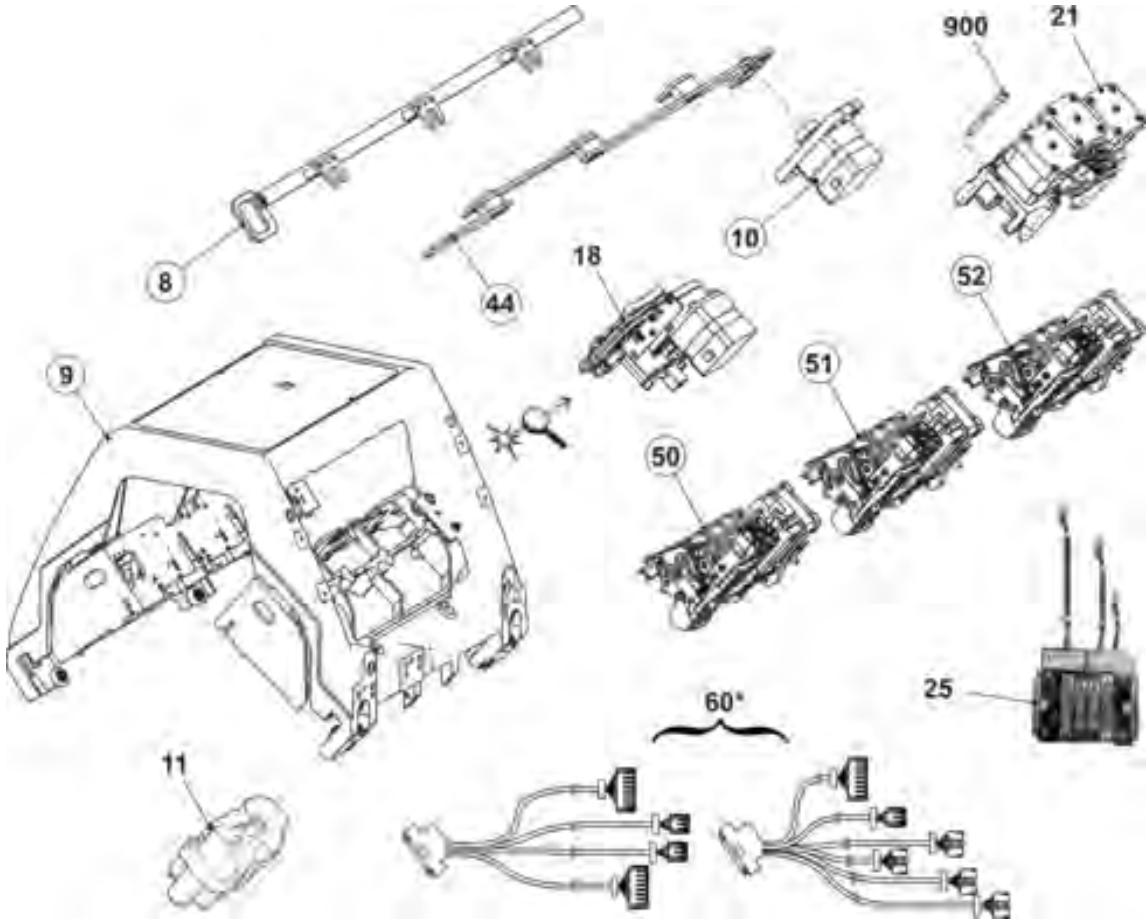
5.1 Overview of carriage

Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage complete			13	Bolt	212 204
	E7.2	256 649		14	Bolt	212 392
	E9.2	256 650		16	Cover plate on the left	250 274
1	Needle cam complete			17	Cover plate on the right	250 275
	E7.2	236 143		19	Guide plate at the rear on the left	245 323
	E9.2	241 976		20	Guide plate at the rear on the right	245 324
2	Jack cam box complete	236 199		501	Cap screw M4x10	023 450
	Jack cam box complete E9.2	254 294		509	Circlip 3,2	021 019
4	FF driving outside complete	241 080		50*	Needle detector complete	237 050
5	FF driving in the middle complete	241 081		51*	Brush holder complete	
6	Eccentric	244 520			E7.2	235 410
12	Wiper felt	241 411			E9.2	243 076



5.2 Overview of carriage, continuation

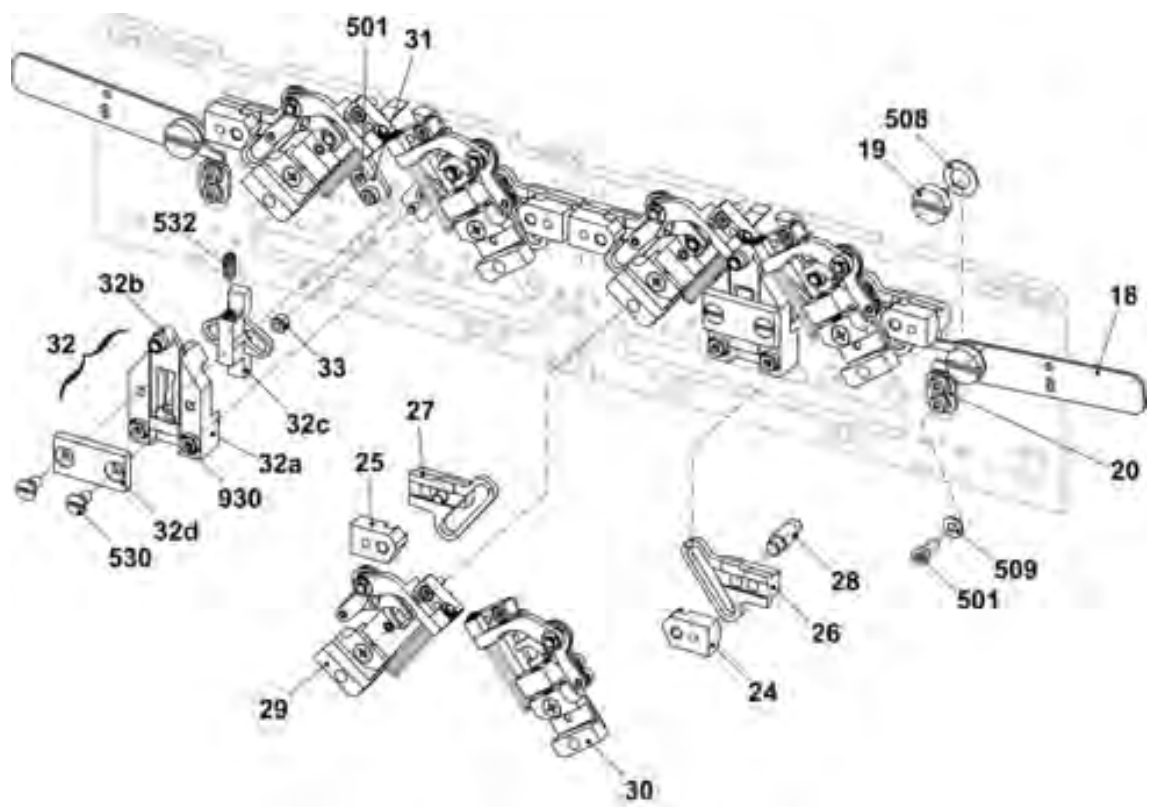
Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage complete			25	Distributor complete730S okc	236 067
	E7.2	256 649		44	Sliding rod complete	242 046
	E9.2	256 650		50	Control unit PL/ES on the left	
8	Sliding rod complete	236 101			E7.2	253 972
9	Carriage assembly 3 cam boxes	256 498			E9.2	254 242
10	Control unit brush	236 102		51	Control unit PL/ES in the middle	
11	Selection system complete				E7.2	253 973
	E14 (E7.2)	229 300			E9.2	254 243
	E16-18 (E9.2)	220 114		52	Control unit PL/ES on the right	
18	Pressure part control complete				E7.2	253 974
	E7.2	253 197			E9.2	254 244
	E9.2	254 998		60*	Cable set carriage 730S	236 887
21	Motor unit complete	236 121		900	Cap screw M4x45	023 419



5.3 Cam parts E7.2 (Top side)

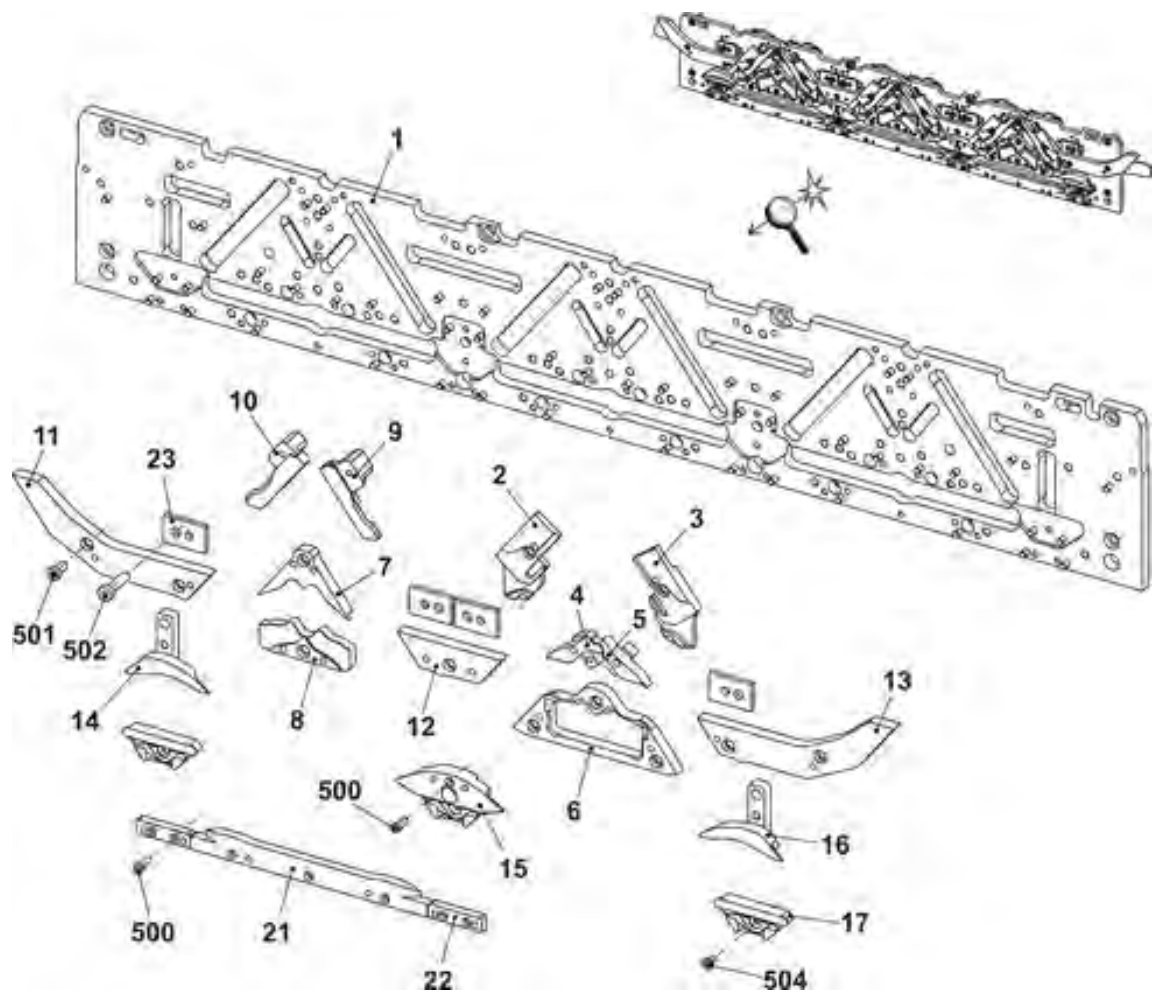
5.3 Cam parts E7.2 (Top side)

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle cam completeE6.2 + 7.2	236 143	32	Control unit complete	236 293
18	Lever	235 461	32a	Guide block	235 547
19	Shoulder screw	235 462	32b	Switch slide complete	236 144
20	Plate	235 463	32c	Control slide	235 550
24	Support right sliding rod	235 227	32d	Cover plate	235 546
25	Support left sliding rod	235 738	530	Pan-head screw M4x8	020 294
26	Slider on the right 2. stitch tension	235 230	532	Compression spring 0,60x3,23x12,5	236 507
27	Slider on the left 2. stitch tension	235 749	930	Cap screw M4x16	020 131
28	Eccentric	235 237	33	Slide bearing	235 556
29	Loop sinking unit on the left	238 699	501	Cap screw M4x8	020 091
30	Loop sinking unit on the right	238 700	508	Shim ring 8x14x0,5	023 501
31	Bearing plate	235 548	509	Washer4	020 879



5.4 Cams E7.2 (bottom side)

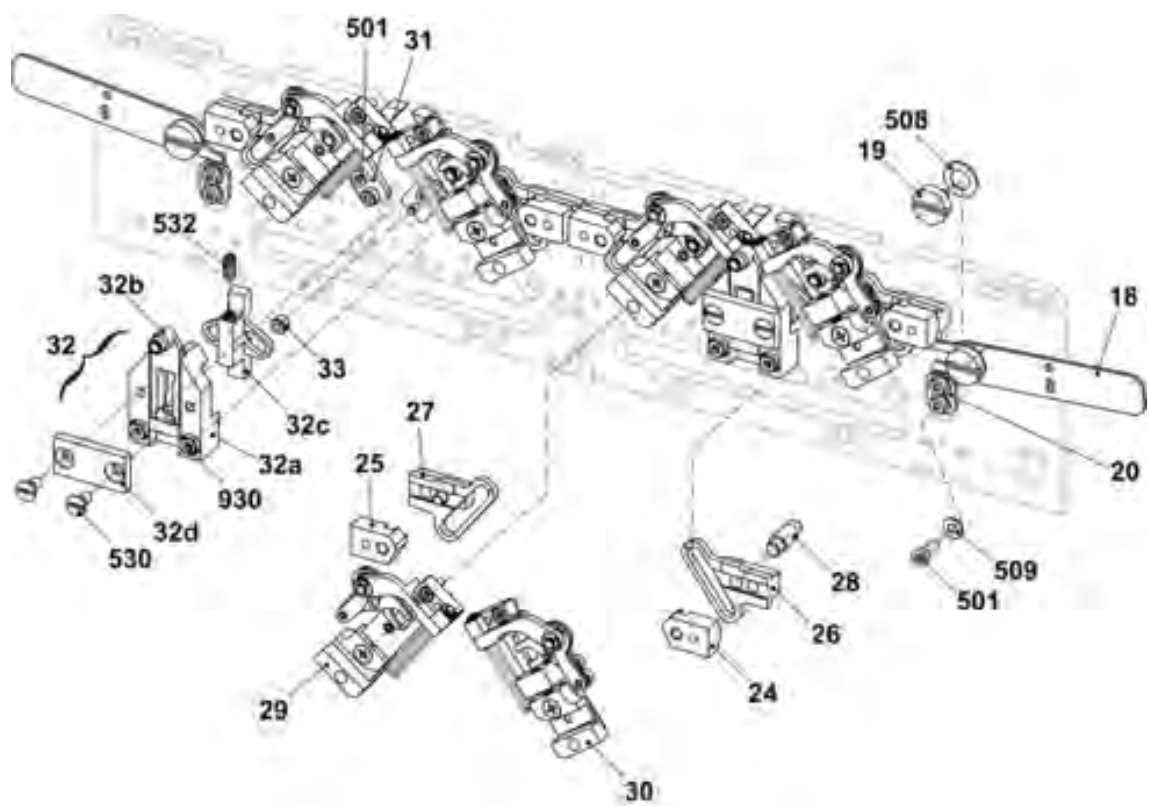
Pos	Designation	Id	Pos	Designation	Id
Σ	Needle cam complete E6.2 + 7.2	236 143			
1	Cam plate knitting	235 796	13	Entry cam on the right at the top	253 266
2	Stitch cam on the left E6.2 + 7.2	253 367	14	Entry cam at the bottom on the left	235 457
3	Stitch cam on the right E6.2 + 7.2	253 368	15	Knitting position cam in the middle	236 440
4	Switching part on the left E6.2 + 7.2	235 426	16	Entry cam at the bottom on the right	235 459
5	Switching part on the right E6.2 + 7.2	235 427	17	Knitting position cam	235 460
6	Raising cam E6.2 + 7.2	251 853	21	Pressure strip	235 701
7	Transfer cam E6.2 + 7.2	235 429	22	Limiting cam at the bottom	235 702
8	Receiving cam E6.2 + 7.2	251 854	23	Guiding plate	235 223
9	Stitch cam on the left 2. stitch tension complete E6.2 + 7.2	253 128	500	Cap screw M3x8	020 081
10	Stitch cam on the right 2. stitch tension complete E6.2 + 7.2	253 129	501	Cap screw M4x8	020 091
11	Entry cam on the left at the top	253 265	502	Cap screw M4x16	023 123
12	Entry cam in the middle at the top	253 273	504	Pan-head screw M3x6	020 286



5.5 Cams E9.2 (Top side)

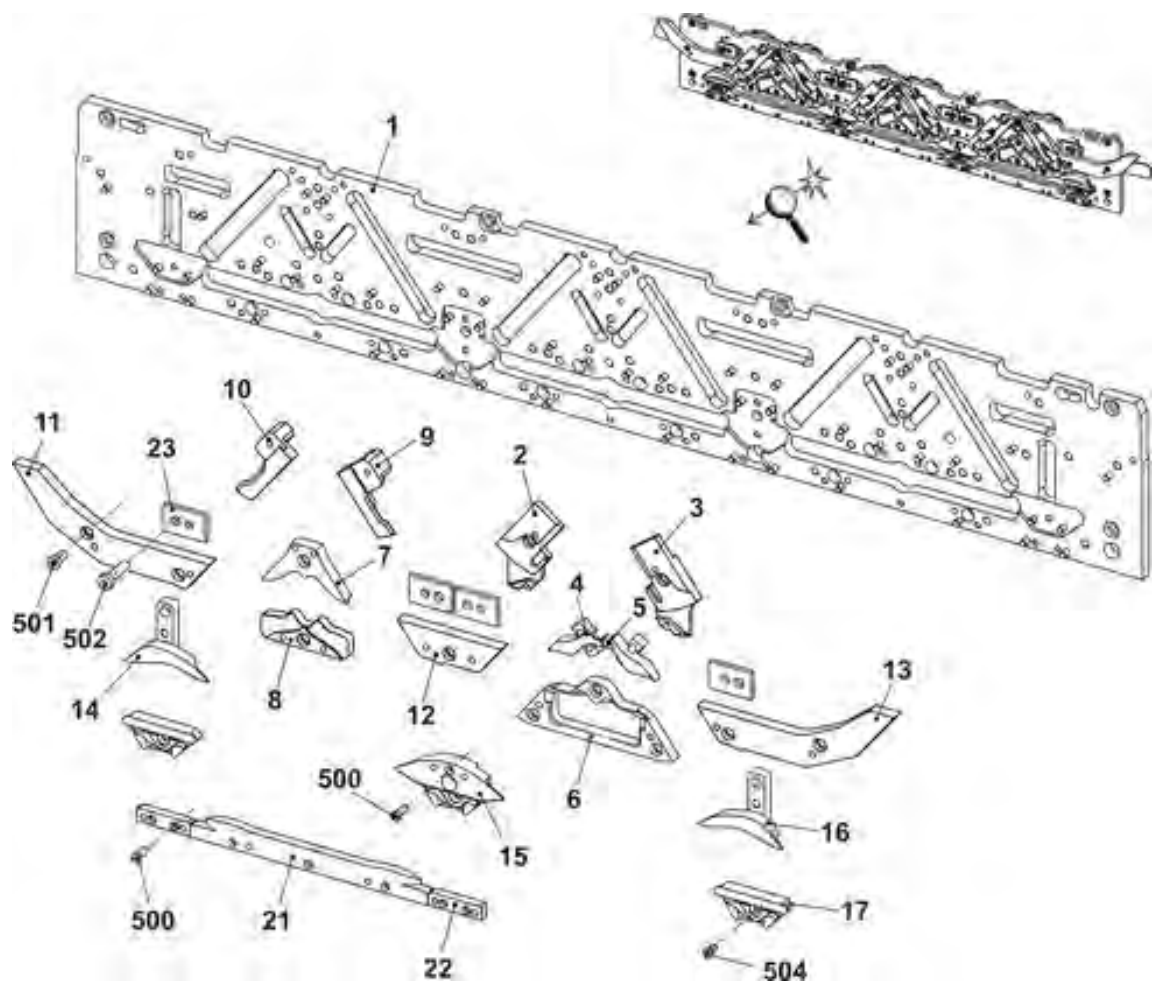
5.5 Cams E9.2 (Top side)

Pos	Designation	Id	Pos	Designation	Id
Σ	Needle cam completeE9.2	241 976	32	Control unit complete	236 293
18	Lever	235 461	32a	Guide block	235 547
19	Shoulder screw	235 462	32b	Switch slide complete	236 144
20	Plate	235 463	32c	Control slide	235 550
24	Support right sliding rod	235 227	32d	Cover plate	235 546
25	Support left sliding rod	235 738	530	Pan-head screw M4x8	020 294
26	Slider on the right 2nd stitch tension	235 230	532	Compression spring 0,60x3,23x12,5	236 507
27	Slider on the left 2nd stitch tension	235 749	930	Cap screw M4x16	020 131
28	Eccentric	235 237	33	Slide bearing	235 556
29	Loop sinking unit on the left	238 699	501	Cap screw M4x8	020 091
30	Loop sinking unit on the right	238 700	508	Shim ring 8x14x0,5	023 501
31	Bearing plate	235 548	509	Washer4	020 879



5.6 Cams E9.2 (bottom side)

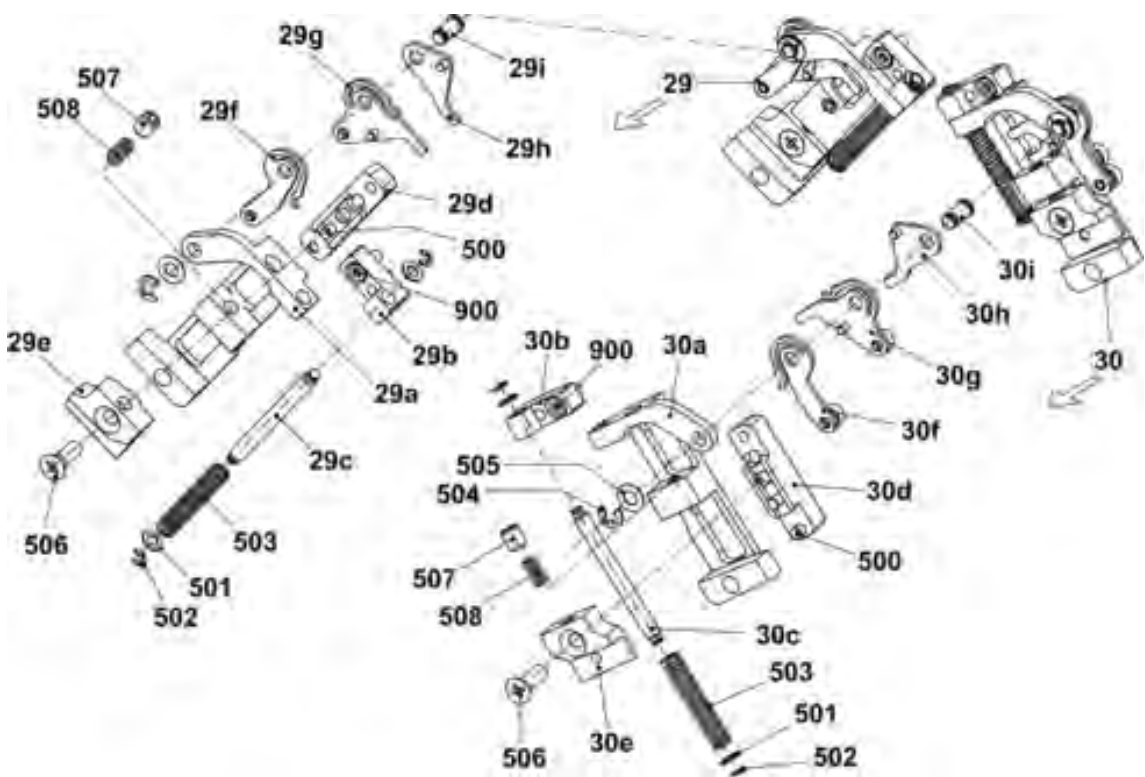
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle cam complete E9.2	241 976				
1	Cam plate knitting	235 796		13	Entry cam on the right at the top	253 266
2	Stitch cam on the left E9.2	252 553		14	Entry cam at the bottom on the left	235 457
3	Stitch cam on the right E9.2	252 554		15	Knitting position cam in the middle	236 440
4	Switching part on the left E9.2	241 466		16	Entry cam at the bottom on the right	235 459
5	Switching part on the right E9.2	241 467		17	Knitting position cam	235 460
6	Raising cam E9.2	252 779		21	Pressure strip	235 701
7	Transfer cam E9.2	241 435		22	Limiting cam at the bottom	235 702
8	Receiving cam E9.2	253 342		23	Guiding plate	235 223
9	Stitch cam on the left 2. stitch tension complete E9.2	253 130		500	Cap screw M3x8	020 081
10	Stitch cam on the right 2. stitch tension complete E9.2	253 131		501	Cap screw M4x8	020 091
11	Entry cam on the left at the top	253 265		502	Cap screw M4x16	023 123
12	Entry cam in the middle at the top	253 273		504	Pan-head screw M3x6	020 286



5.7 Loop forming cam on the left and right

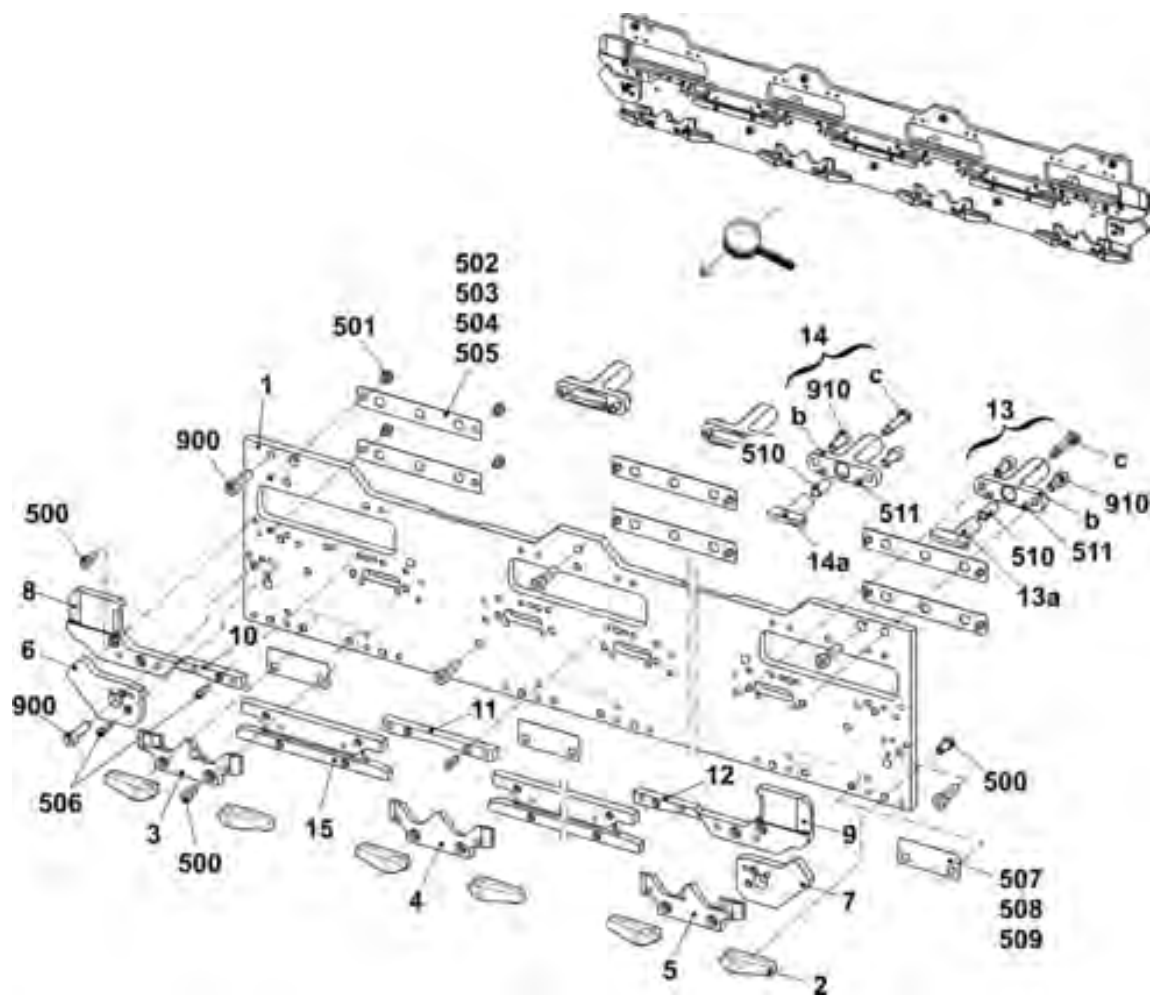
5.7 Loop forming cam on the left and right

Pos	Designation	Id		Pos	Designation	Id
29	Loop sinking cam on the left	238 699		30	Loop sinking cam on the right complete E5 - E10	238 700
29a	Loop sinking cam on the left	235 753		30a	Loop sinking cam on the right complete E5 - E10	235 232
29b	Rod guide part	235 229		30b	Rod guide part	235 229
29c	Spring rod	235 239		30c	Spring rod	235 239
29d	Guide part	238 092		30d	Guide part	238 092
29e	Pressure pad on the left	238 093		30e	Pressure pad on the right	238 094
29f	Lever 2 on the left complete	238 681		30f	Lever 2 on the right complete	238 682
29g	Lever 1 on the left complete	238 696		30g	Lever 1 on the right complete	238 697
29h	Lever 3 on the left complete	238 686		30h	Lever 3 on the right complete	238 685
29i	Bolt	235 238		30i	Bolt	235 238
500	Dowel pin 3x6	020 642		500	Dowel pin 3x6	020 642
501	Washer3	020 877		501	Washer3	020 877
502	Circlip 1,9	023 565		502	Circlip 1,9	023 565
503	Compression spring 0,45x5,05x63,14	023 706		503	Compression spring 0,45x5,05x63,14	023 706
504	Circlip 3,2	021 019		504	Circlip 3,2	021 019
505	Shim ring 4x8x0,3	023 428		505	Shim ring 4x8x0,3	023 428
506	Pan-head screw M4x12	023 075		506	Pan-head screw M4x12	023 075
507	Setscrew M5x6	022 580		507	Setscrew M5x6	022 580
508	Compression spring 0,60x3,23x12,50	236 507		508	Compression spring 0,60x3,23x12,50	236 507
900	Cap screw M3x8	022 582		900	Cap screw M3x8	022 582



5.8 Jack cam box E7.2

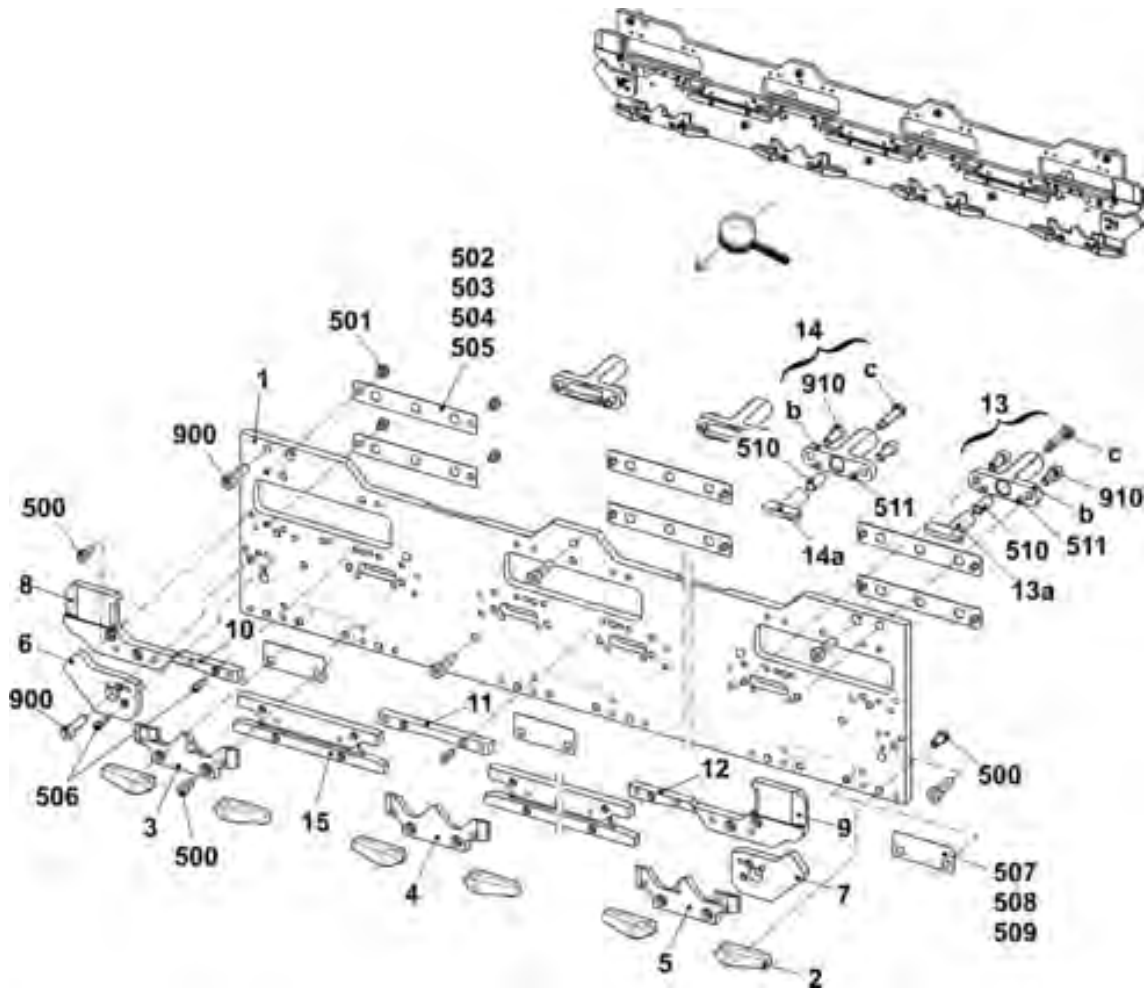
Pos	Designation	Id		Pos	Designation	Id
Σ	Jack cam box complete	236 199		13	510 Compression spring 0,40x5,00x23,70	236 951
1	Cam plate selection	235 795			511 Setting pin 3x8	020 644
2	Offering cam	229 906			910 Cap screw M4x10	023 136
3	Selection cam on the left	235 961		14	Limiting cam on the left complete	236 966
4	Selection cam	235 762			14a Limiting cam on the left	236 009
5	Selection cam on the right	235 962		15	Limiting cam	241 721
6	Cam on the left	237 592		500	Cap screw M4x8	020 091
7	Cam part at the right	237 593		501	Pan-head screw M3x4	023 142
8	Cam on the left	237 590		502	Shim0,03x12x75	022 828
9	Cam part at the right	237 591		503	Shim0,05x12x75	022 829
10	Limiting cam on the left	241 722		504	Shim0,10x12x75	022 830
11	Limiting cam in the middle	241 723		505	Shim0,2x12x75	022 831
12	Limiting cam on the right	241 724		506	Cap screw M3x8	020 081
13	Limiting cam on the right complete	236 965		507	Shim selection cam 0,05	242 495
	13a Limiting cam on the right	236 008		508	Shim selection cam 0,1	242 496
	b Guide	236 006		509	Shim selection cam 0,2	242 497
	c Shoulder screw	236 004		900	Cap screw M4x16	020 131



5.9 Jack cam box E9.2

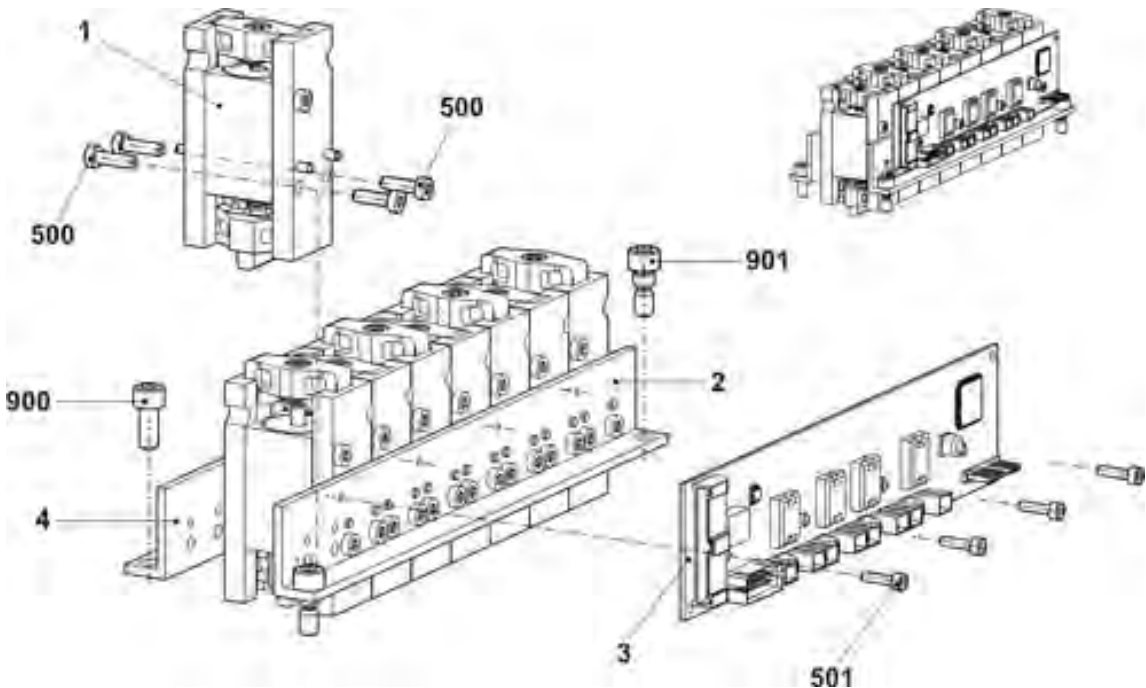
5.9 Jack cam box E9.2

Pos	Designation		Id		Pos	Designation		Id
Σ	Jack cam box complete E9.2		254 294		13	510	Compression spring 0,40x5,00x23,70	236 951
1	Cam plate selection		235 795			511	Dowel pin 3x8	020 644
2	Offering cam		229 906			910	Cap screw M4x10	023 136
3	Selection cam on the left		242 347		14	Limiting cam on the left complete		236 966
4	Selection cam		242 348			14a	Limiting cam on the left	236 009
5	Selection cam on the right		242 349		15	Limiting cam		241 721
6	Cam on the left		237 592		500	Cap screw M4x8		020 091
7	Cam part at the right		237 593		501	Pan-head screw M3x4		023 142
8	Cam on the left		237 590		502	Shim0,03x12x75		022 828
9	Cam part at the right		237 591		503	Shim0,05x12x75		022 829
10	Limiting cam on the left		241 722		504	Shim0,10x12x75		022 830
11	Limiting cam in the middle		241 723		505	Shim0,2x12x75		022 831
12	Limiting cam on the right		241 724		506	Cap screw M3x8		020 081
13	Limiting cam on the right complete		236 965		507	Shim selection cam 0,05		242 495
	13a	Limiting cam on the right	236 008		508	Shim selection cam 0,1		242 496
	b	Guide	236 006		509	Shim selection cam 0,2		242 497
	c	Shoulder screw	236 004		900	Cap screw M4x16		020 131



5.10 Yarn carrier driving without guide part

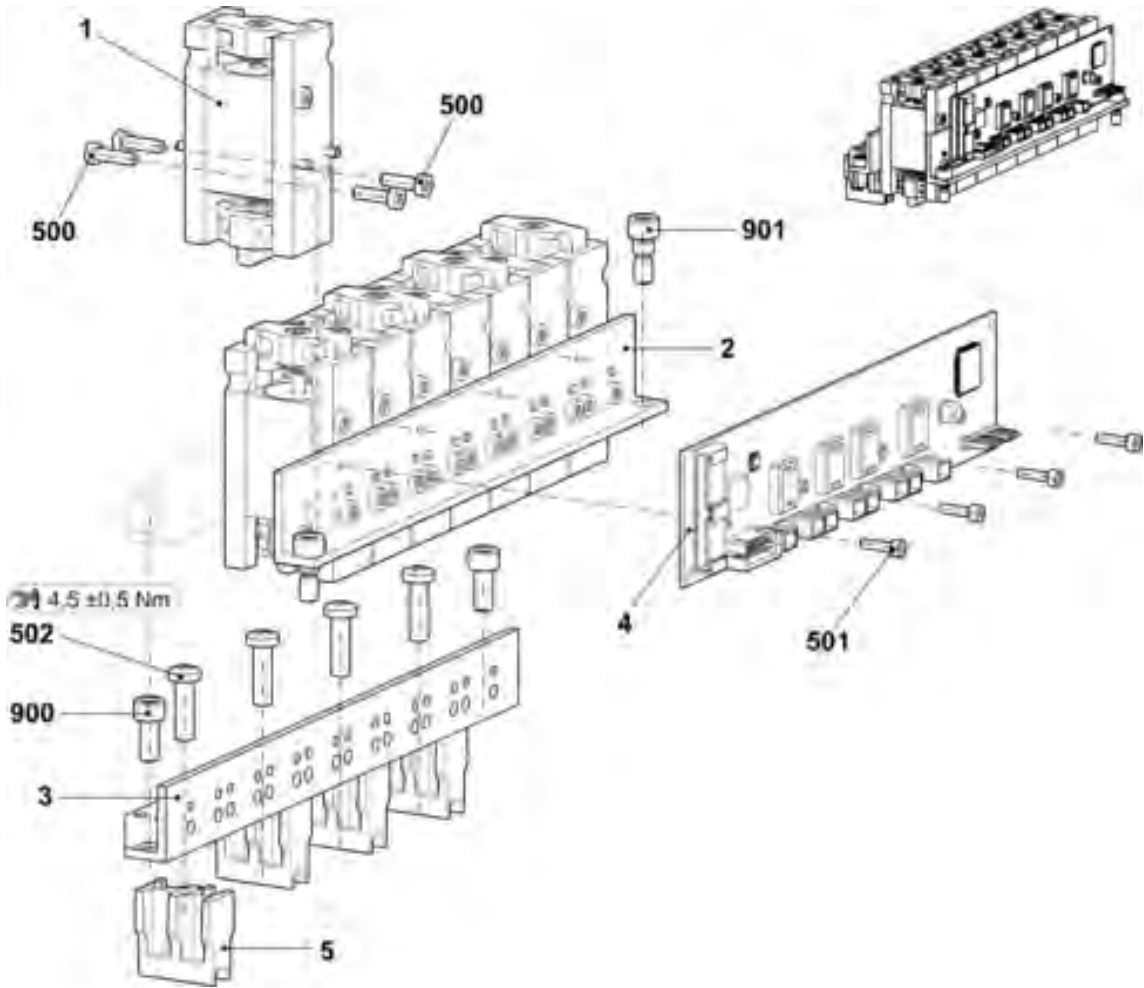
Pos	Designation	Id		Pos	Designation	Id
Σ	YC driving outside complete	241 080				
1	Yarn carrier plunger complete	242 214		500	Cap screw M4x14-I-Torx	242 279
2	Holding angle for jack	241 038		501	Cap screw M3x12-12.9	022 648
3	Card yarn carrier final stagesOKC	300 960		900	Cap screw M6x14	022 658
4	Holding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



5.11 Yarn carrier driving with guide part

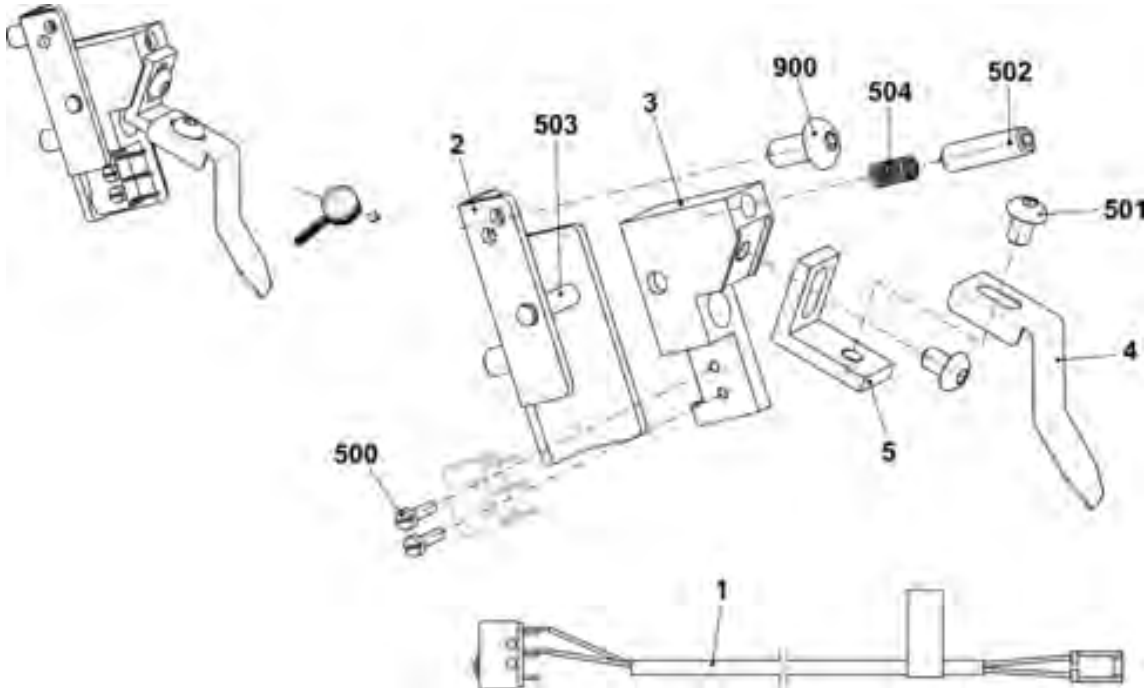
5.11 Yarn carrier driving with guide part

Pos	Designation	Id		Pos	Designation	Id
Σ	FF driving in the middle complete	241 081				
1	Yarn carrier plunger complete	242 214		500	Cap screw M4x14-I-Torx	242 279
2	Holding angle for jack	241 038		501	Cap screw M3x12-12.9	022 648
3	Holding angle for YC driving	241 044		502	Screw KB60X20	243 625
4	Card yarn carrier final stagesOKC	300 960		900	Cap screw M6x14	022 658
5	Guide part	239 972		901	Shoulder screw	231 899



5.12 Needle detector

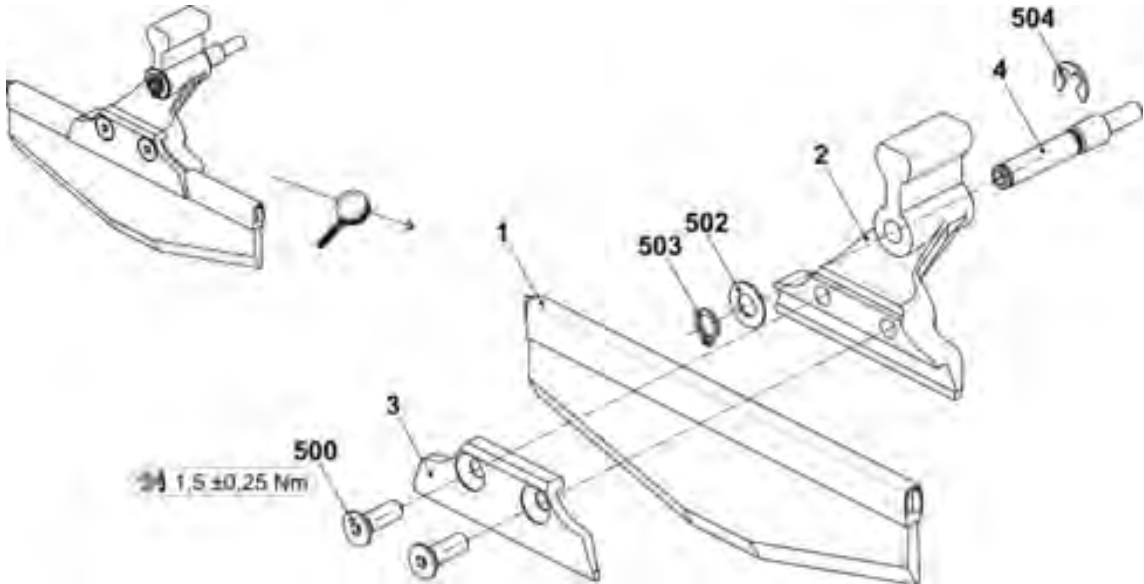
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle detector complete	237 050		500	Cap screw M2x8	258 310
1	Cable needle detector TC-S	235 728		501	Pan-head screw M4x6	023 427
2	Retainer	235 668		502	Setscrew M5x20	023 526
3	Switch rocker	220 637		503	Dowel pin4x8	023 525
4	Sensor E16-20	252 239		504	Compression spring 4,3x0,45x10	021 398
5	Angle	221 175		900	Pan-head screw M5x10	023 247



5.13 Brush holder

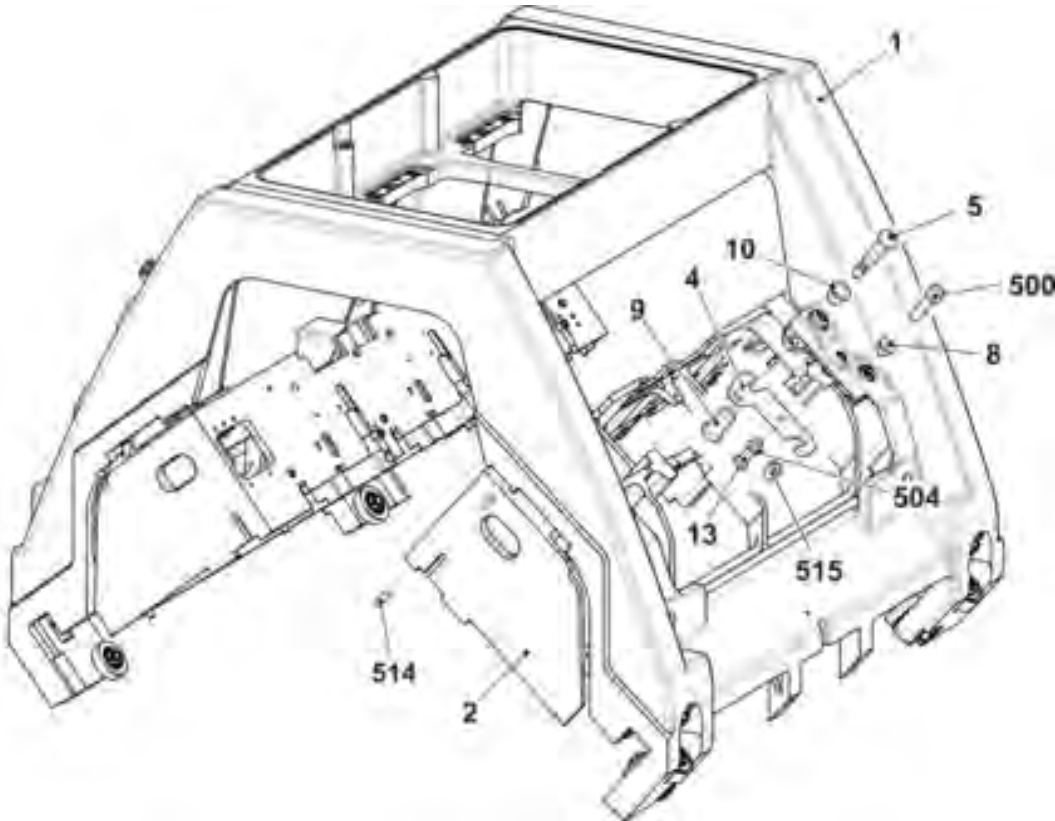
5.13 Brush holder

Pos	Designation	Id		Pos	Designation	Id
Σ	Brush holderE6.2-7.2	235 410		1	BrushE6.2-7.2	243 074
	Brush holderE9.2	243 076			BrushE9.2	237 977
2	Brush holder	235 411		500	Pan-head screw M4x12	023 062
3	Brush clamp	213 010		502	Shim ring 5x10x0,5	023 348
4	Threaded rod	242 066		503	Retaining ring5x0,6	023 347
				504	Circlip4	021 020



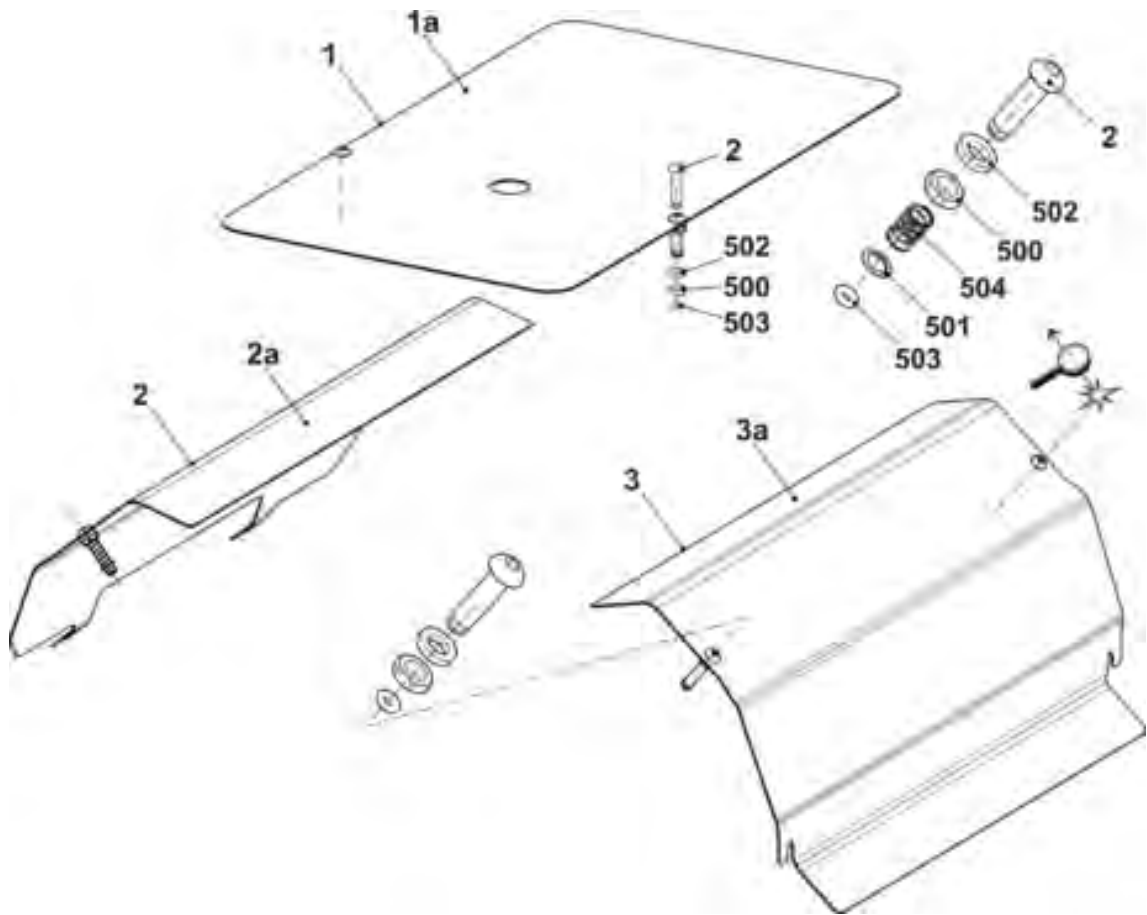
5.14 Carriage

Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage assembly 3 cam boxes	256 498				
1	Carriage frame 3 cam boxes 6 inches	259 020		10	Bush	209 274
2	Carriage part, 3 cam boxes	241 241		13	Locating bolt linking spot	244 179
4	Shim	225 312		500	Cap screw M8x30	020 143
5	Shoulder screw	211 750		504	Safety disk 6	021 022
8	Bush	207 546		514	Dowel pin 5x14	020 670
9	Bush	209 275		515	Threaded bush M12x11,5	041 863



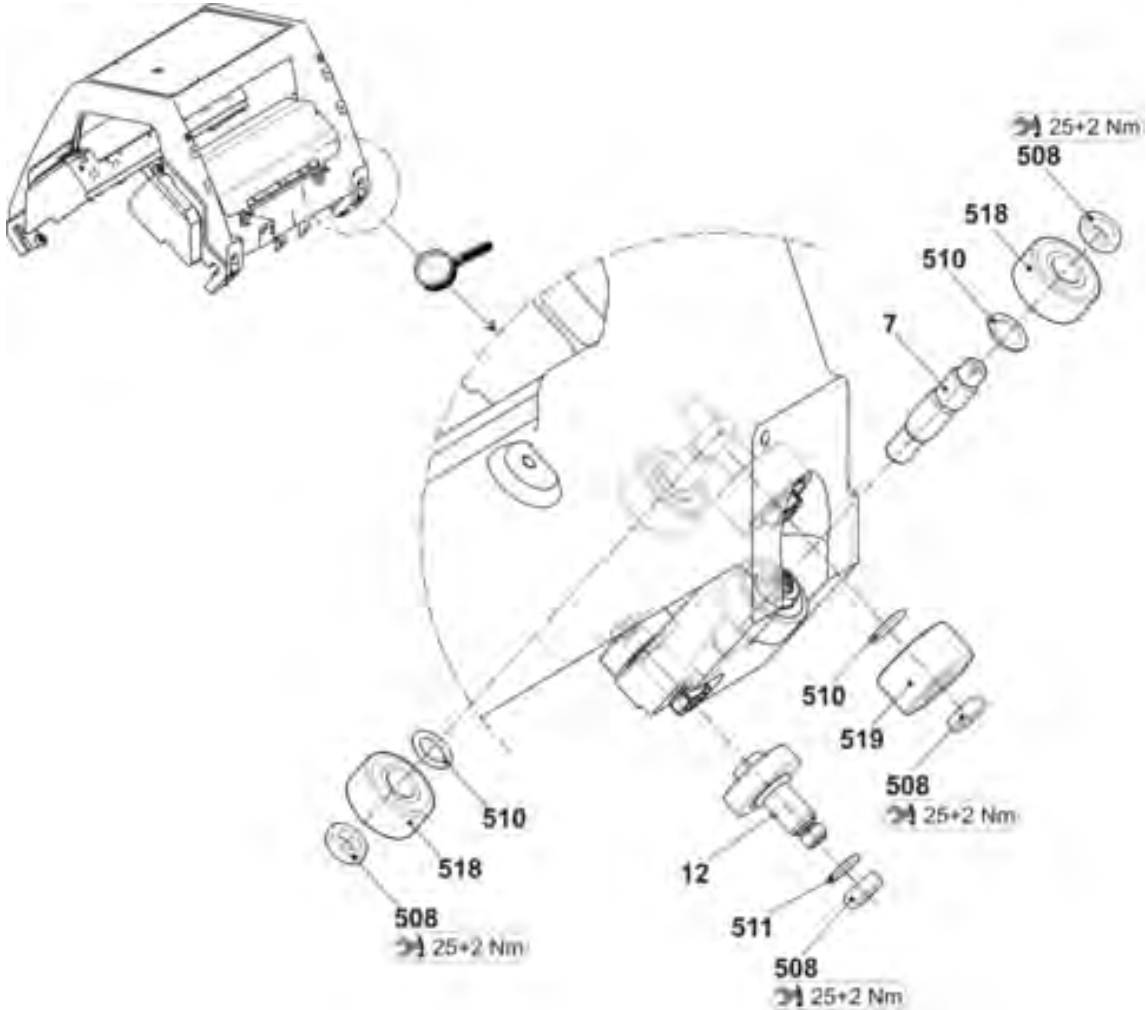
5.15 Carriage cover

Pos	Designation	ID	Pos	Designation	ID
1	Carriage cover at the top 3 cam boxes complete	257 100	10	Locating bolt	242 382
	1a Carriage cover at the top 3 cam boxes	256 510	500	Hexagon nut M6	257 088
2	Carriage cover at the rear complete with 3 cam boxes	257 167	501	Washer6.1x9x0,5	023 554
	2a Carriage cover at the rear 3 cam boxes	256 768	502	Serrated lock washer 6,4	022 385
3	Carriage cover at the front 3 cam boxes complete	257 166	503	O-ring 3x2	242 420
	3a Carriage cover front 3 cam boxes	256 767	504	Compression spring 0,48x7,02x17,29	023 654



5.16 Carriage guide

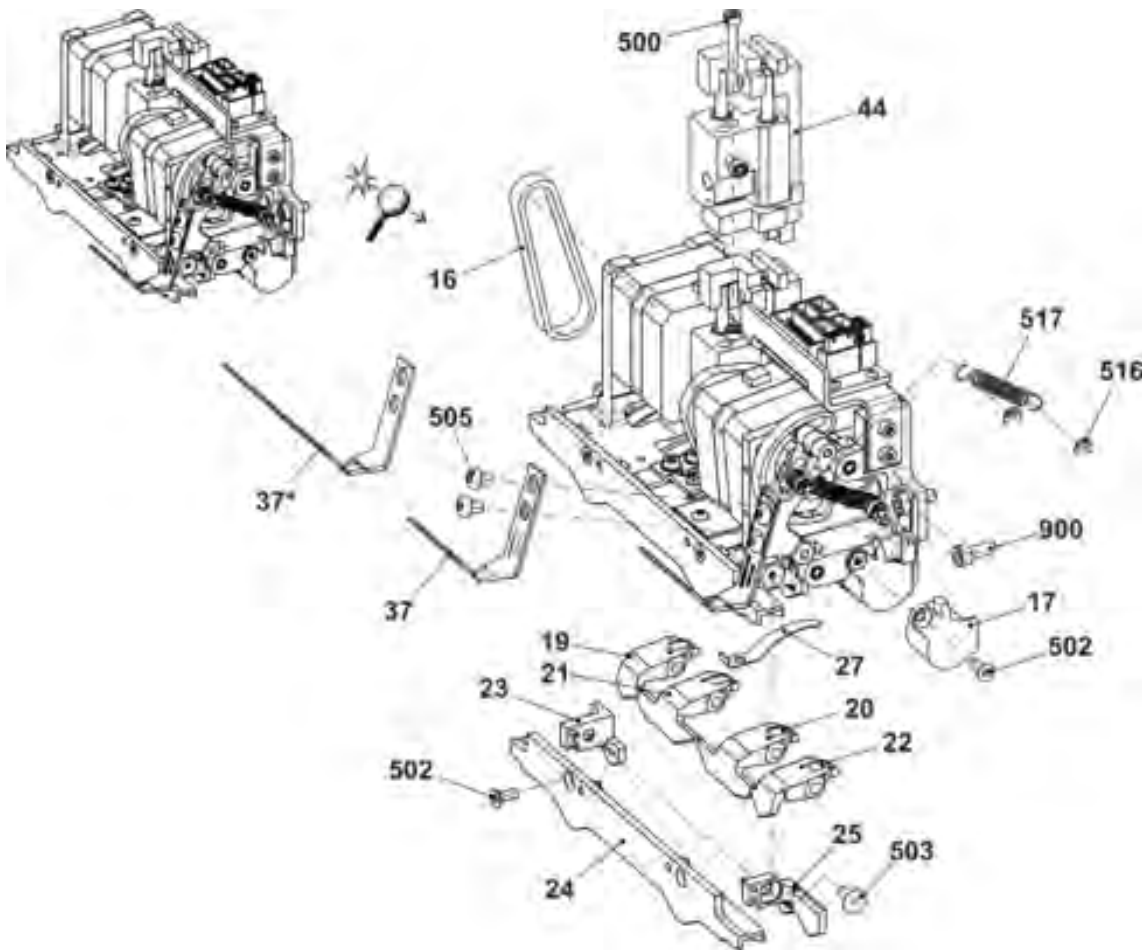
Pos	Designation	ID		Pos	Designation	ID
7	Bearing bolt eccentric 0,5	240 624		511	Shim ring 10x16x1	023 260
12	Bolt pre-assembled	244 283		518	Grooved ball bearing 62201-2RS	241 408
508	NutM10	023 316		519	Grooved ball bearing 62300-2RS1	242 070
510	Shim ring 12x18x1	023 315				



5.17 Control unit jack/presser foot on the left E9.2

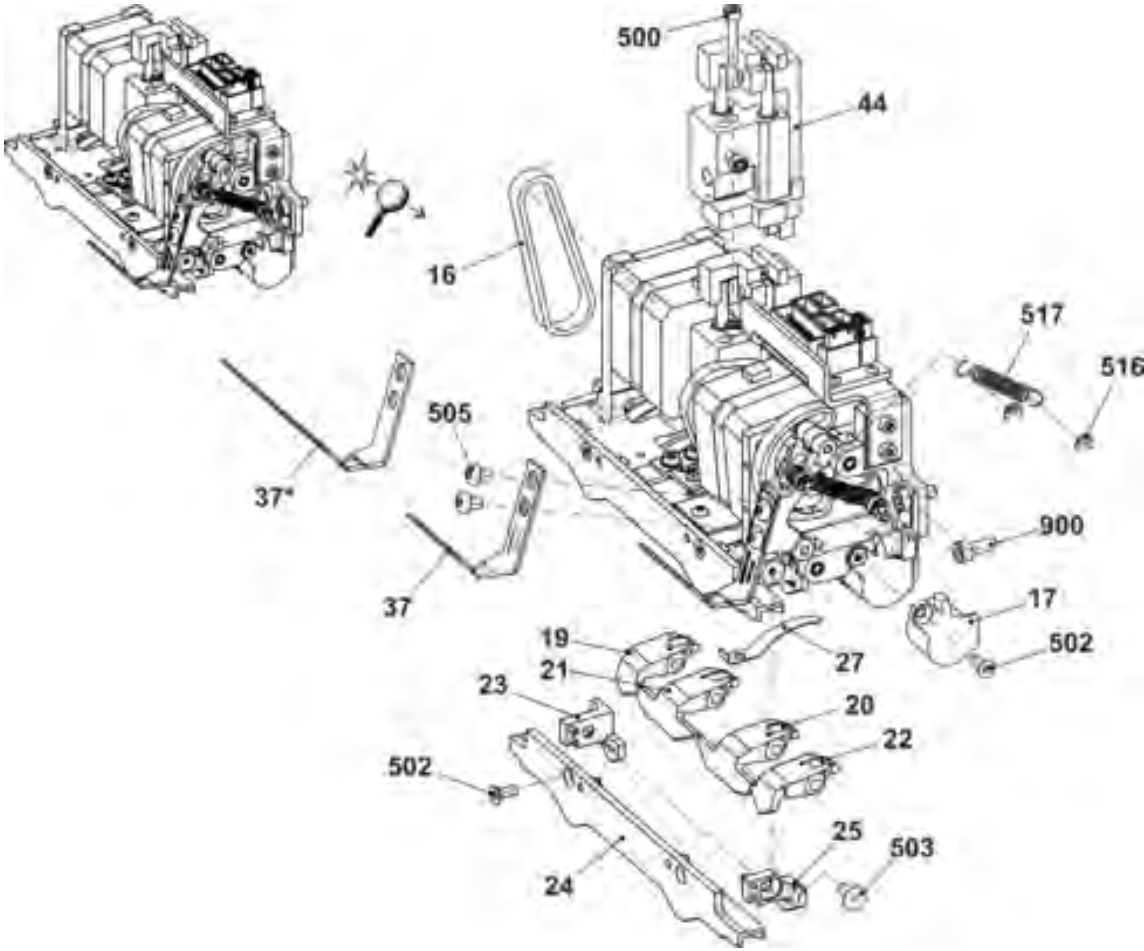
5.17 Control unit jack/presser foot on the left E9.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit PL/ES on the left E7.2	253 972			
16	Toothed belt	235 513	37	Presser Foot E7.2-9.2	244 363
17	Cover	238 043	37*	Presser Foot E7.2-9.2	240 720
19	Tilting lever knitting on the right E7.2	253 970	44	Guide complete	242 265
20	Tilting lever transfer on the right E7.2	253 297	500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E7.2	253 296	502	Pan-head screw M3x8	241 912
22	Tilting lever knitting on the left E7.2	253 971	503	Pan-head screw M4x8	241 913
23	Slider on the right fixed inside E7.2	251 801	505	Pan-head screw M4x6	023 427
24	Slider in the middle fixed E7.2	253 293	516	Circlip 2,3	021 018
25	Slider on the left outside E7.2	253 264	517	Tension spring 5,5x0,5x19,48	235 608
27	Leaf spring	235 502	900	Cap screw M4x10	023 136



5.18 Control unit jack/presser foot middle E9.2

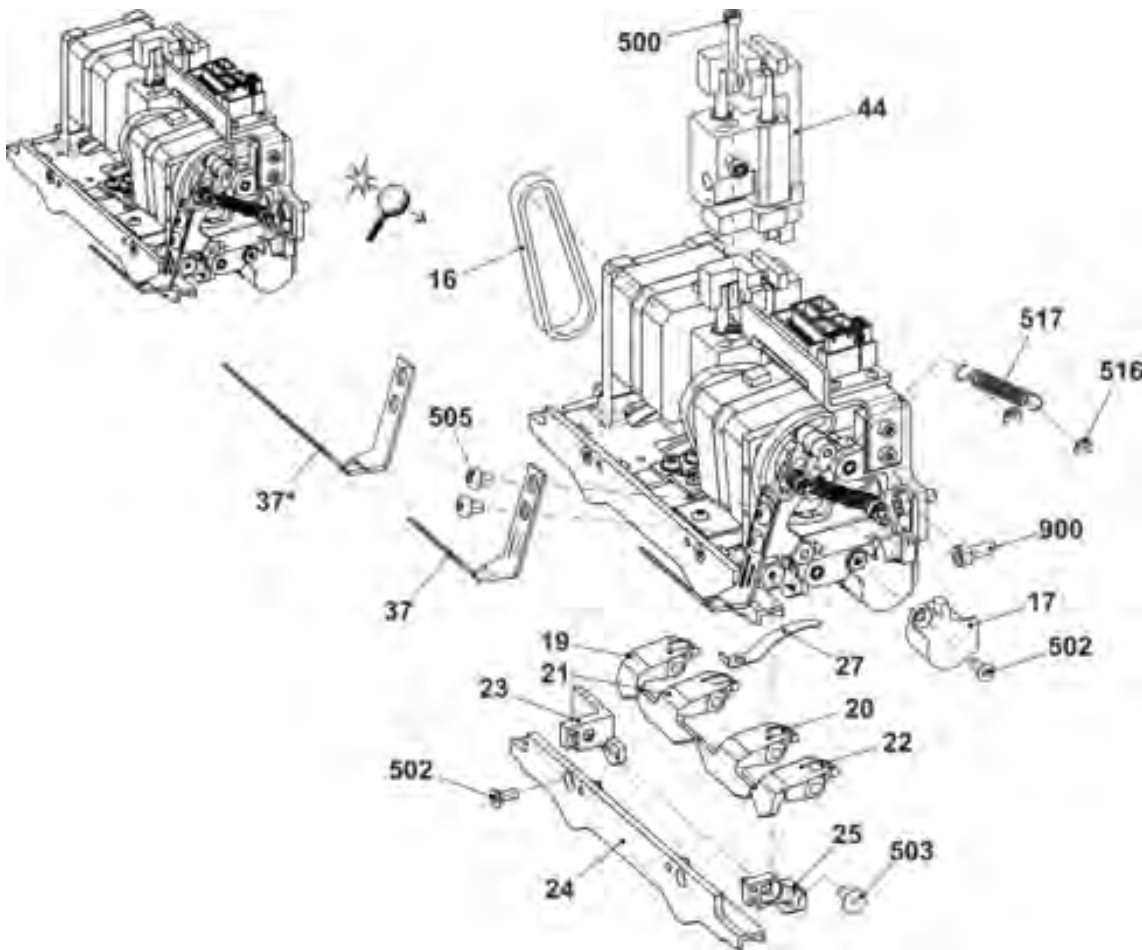
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit PL/ES in the middleE7.2	253 973				
16	Toothed belt	235 513		37	Presser Foot E7.2-9.2	244 363
17	Cover	238 043		37*	Presser Foot E7.2-9.2	240 720
19	Tilting lever knitting on the right E7.2	253 970		44	Guide complete	242 265
20	Tilting lever transfer on the right E7.2	253 297		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E7.2	253 296		502	Pan-head screw M3x8	241 912
22	Tilting lever knitting on the left E7.2	253 971		503	Pan-head screw M4x8	241 913
23	Slider on the right fixed inside E7.2	251 801		505	Pan-head screw M4x6	023 427
24	Slider in the middle fixed E7.2	253 293		516	Circlip 2,3	021 018
25	Slider on the left fixed insideE7.2	251 838		517	Tension spring 5,5x0,5x19,48	235 608
27	Leaf spring	235 502		900	Cap screw M4x10	023 136



5.19 Control unit jack/presser foot on the right E9.2

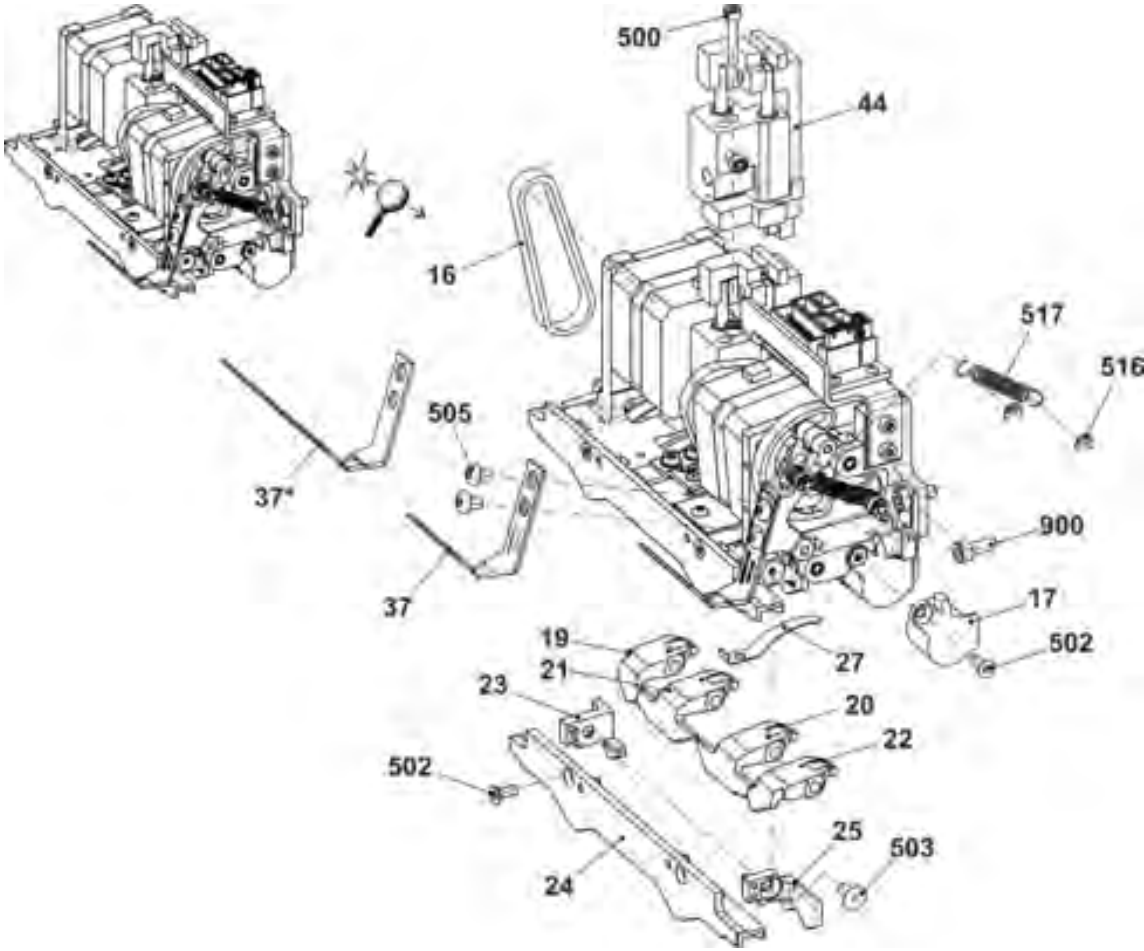
5.19 Control unit jack/presser foot on the right E9.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit PL/ES on the rightE7.2	253 974			
16	Toothed belt	235 513	37	Presser Foot E7.2-9.2	244 363
17	Cover	238 043	37*	Presser Foot E7.2-9.2	240 720
19	Tilting lever knitting on the right E7.2	253 970	44	Guide complete	242 265
20	Tilting lever transfer on the right E7.2	253 297	500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E7.2	253 296	502	Pan-head screw M3x8	241 912
22	Tilting lever knitting on the left E7.2	253 971	503	Pan-head screw M4x8	241 913
23	Slider on the right outside E7.2	253 263	505	Pan-head screw M4x6	023 427
24	Slider in the middle fixed E7.2	253 293	516	Circlip 2,3	021 018
25	Slider on the left fixed insideE7.2	251 838	517	Tension spring 5,5x0,5x19,48	235 608
27	Leaf spring	235 502	900	Cap screw M4x10	023 136



5.20 Control unit jack/presser foot on the left E9.2

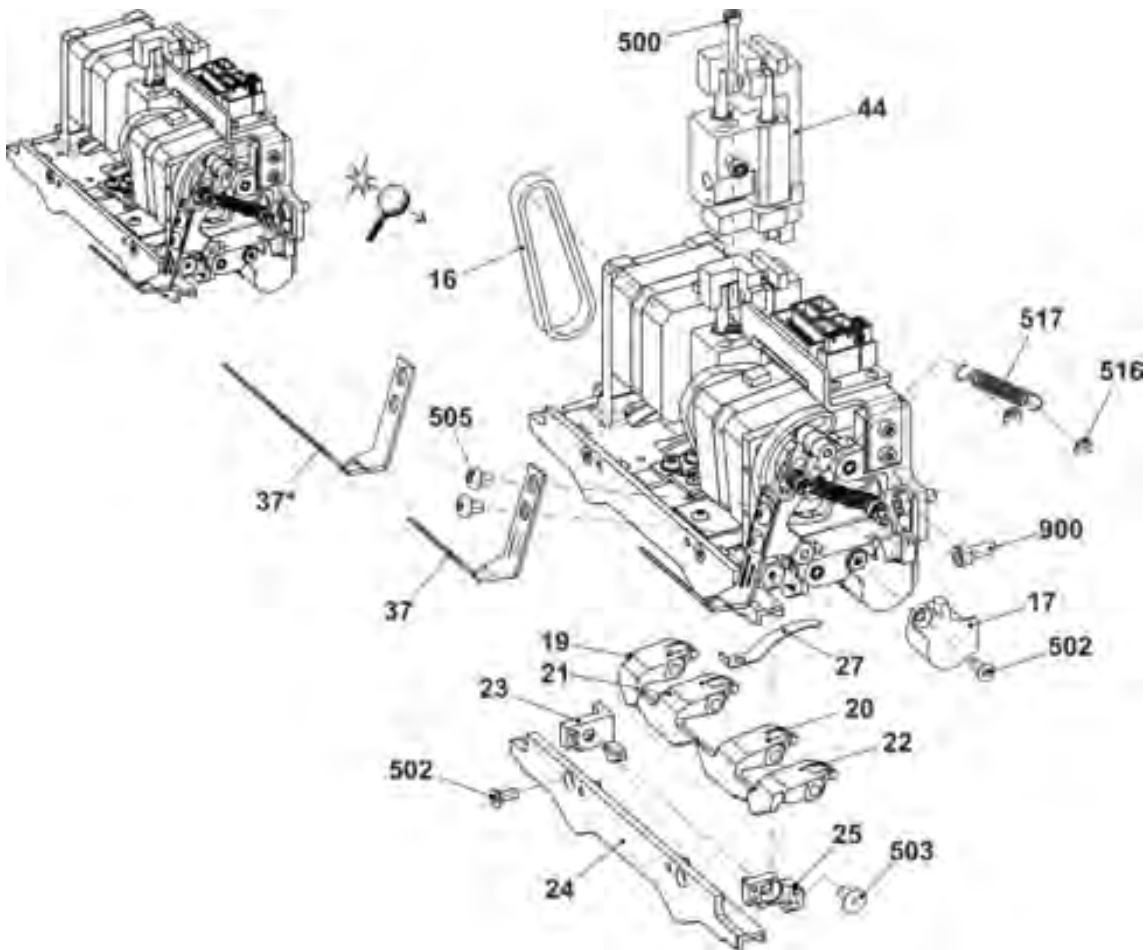
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit PL/ES on the leftE9.2	254 242				
16	Toothed belt	235 513		37	Presser Foot E7.2-9.2	244 363
17	Cover	238 043		37*	Presser Foot E7.2-9.2	240 720
19	Tilting lever knitting on the right E9.2	253 283		44	Guide complete	242 265
20	Tilting lever transfer on the right E9.2	253 292		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E9.2	253 290		502	Pan-head screw M3x8	241 912
22	Tilting lever knitting on the left E9.2	253 282		503	Pan-head screw M4x8	241 913
23	Slider on the right fixed inside E9.2	251 027		505	Pan-head screw M4x6	023 427
24	Slider in the middle fixed E9.2	253 284		516	Circlip 2,3	021 018
25	Slider on the left outside E9.2	252 752		517	Tension spring 5,5x0,5x19,48	235 608
27	Leaf spring	235 502		900	Cap screw M4x10	023 136



5.21 Control unit jack/presser foot in the middle E9.2

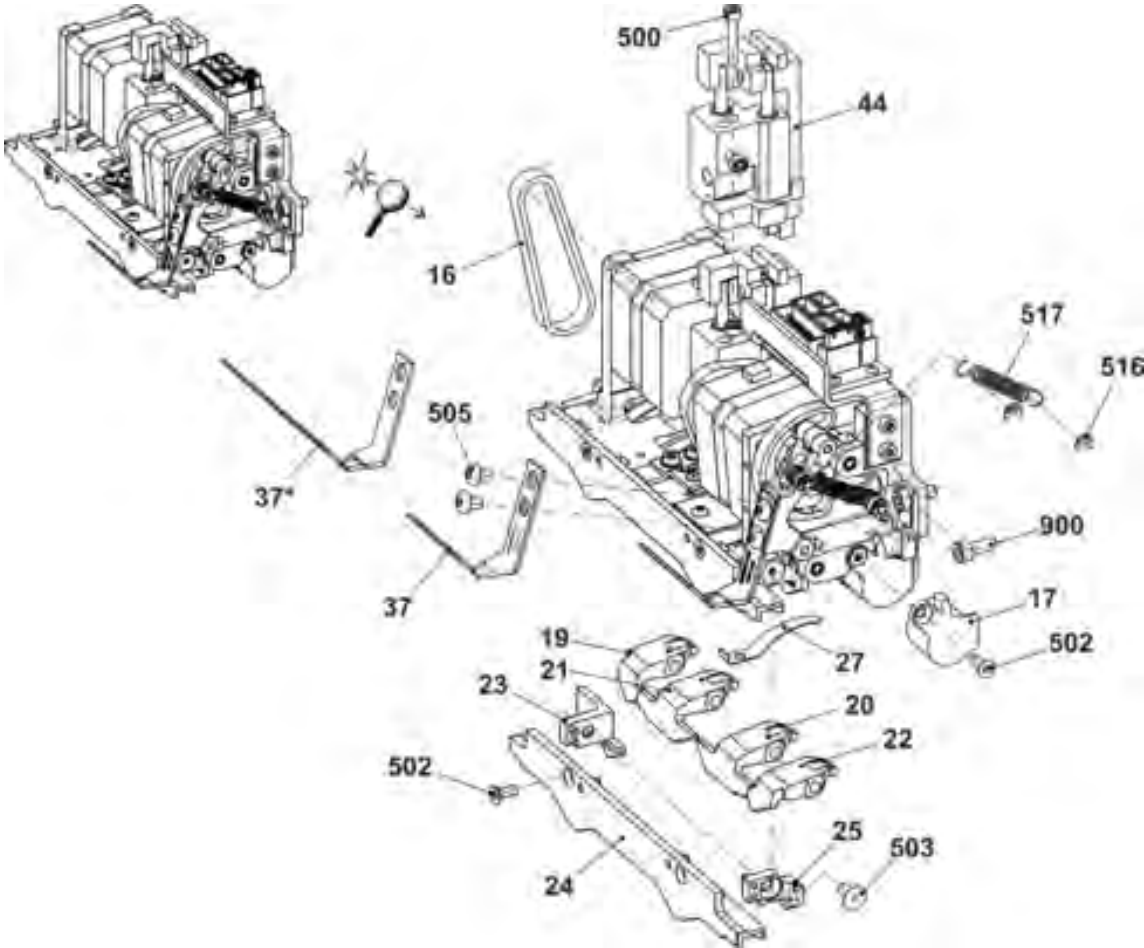
5.21 Control unit jack/presser foot in the middle E9.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit PL/ES in the middleE9.2	254 243			
16	Toothed belt	235 513	37	Presser Foot E7.2-9.2	244 363
17	Cover	238 043	37*	Presser Foot E7.2-9.2	240 720
19	Tilting lever knitting on the right E9.2	253 283	44	Guide complete	242 265
20	Tilting lever transfer on the right E9.2	253 292	500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E9.2	253 290	502	Pan-head screw M3x8	241 912
22	Tilting lever knitting on the left E9.2	253 282	503	Pan-head screw M4x8	241 913
23	Slider on the right fixed inside E9.2	251 027	505	Pan-head screw M4x6	023 427
24	Slider in the middle fixed E9.2	253 284	516	Circlip 2,3	021 018
25	Slider on the left fixed insideE9.2	251 028	517	Tension spring 5,5x0,5x19,48	235 608
27	Leaf spring	235 502	900	Cap screw M4x10	023 136



5.22 Control unit jack/presser foot on the right E9.2

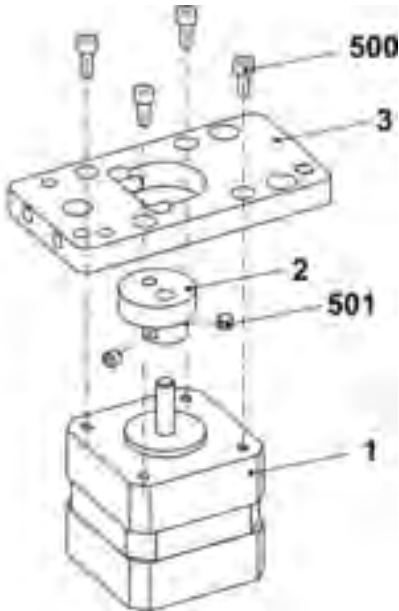
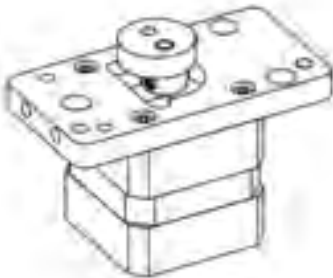
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit PL/ES on the rightE9.2	254 244				
16	Toothed belt	235 513		37	Presser Foot E7.2-9.2	244 363
17	Cover	238 043		37*	Presser Foot E7.2-9.2	240 720
19	Tilting lever knitting on the right E9.2	253 283		44	Guide complete	242 265
20	Tilting lever transfer on the right E9.2	253 292		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E9.2	253 290		502	Pan-head screw M3x8	241 912
22	Tilting lever knitting on the left E9.2	253 282		503	Pan-head screw M4x8	241 913
23	Slider on the right outside E9.2	252 751		505	Pan-head screw M4x6	023 427
24	Slider in the middle fixed E9.2	253 284		516	Circlip 2,3	021 018
25	Slider on the left fixed insideE9.2	251 028		517	Tension spring 5,5x0,5x19,48	235 608
27	Leaf spring	235 502		900	Cap screw M4x10	023 136



5.23 Control unit brush

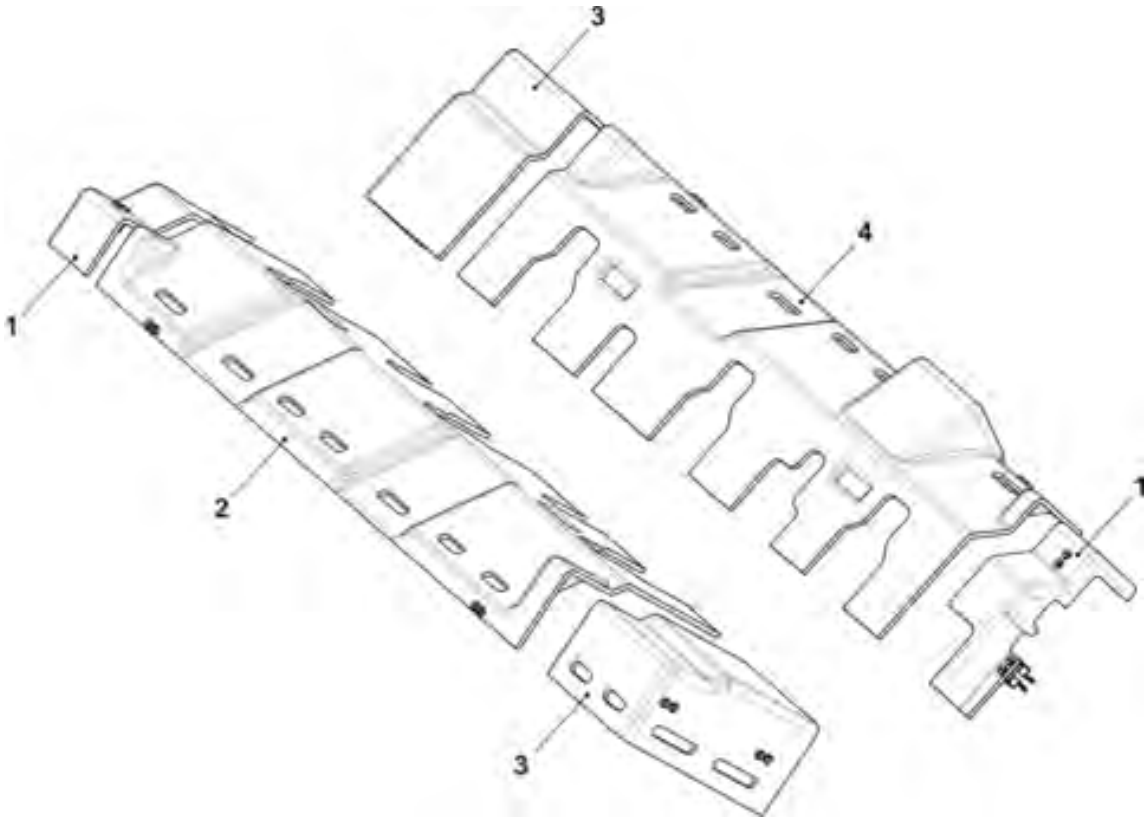
5.23 Control unit brush

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit brush	236 102		3	Motor plate	235 646
1	Step motor brushes	236 896		500	Cap screw M3x8	022 582
2	Eccentric	235 395		501	Setscrew M4x4	022 875



5.24 Covers

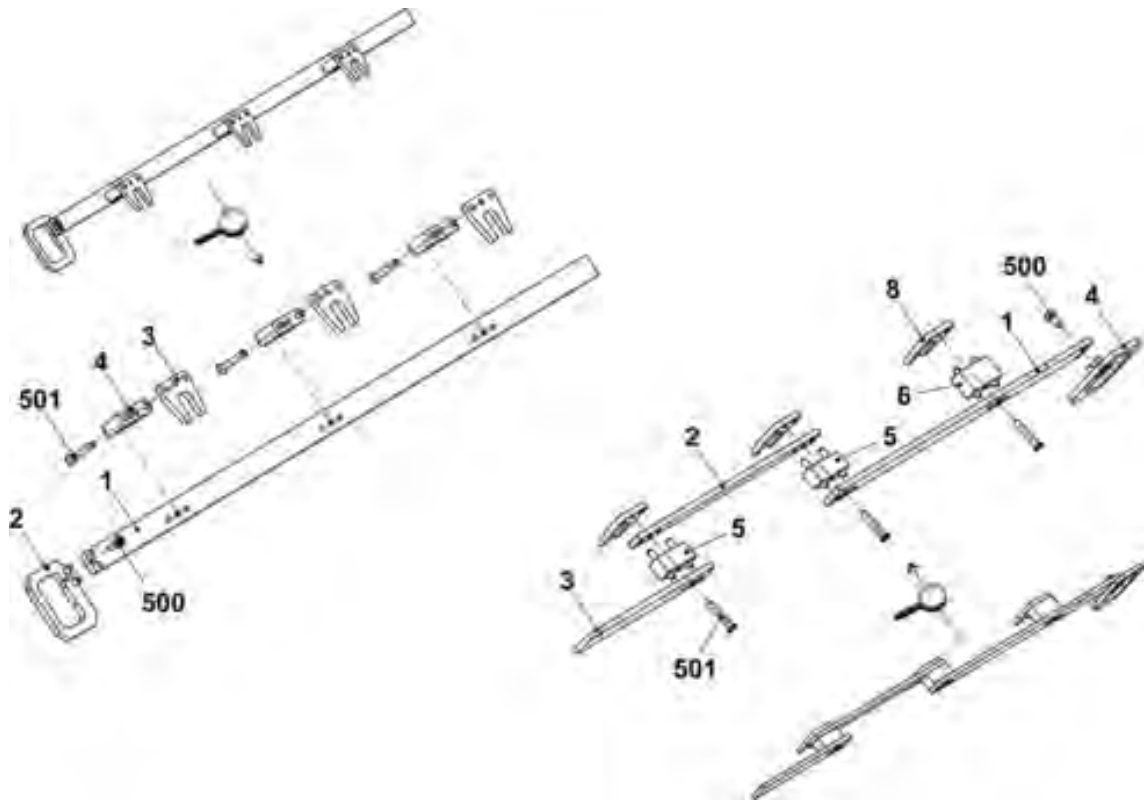
Pos	Designation	Id		Pos	Designation	Id
1	Cover on the right	237 827		3	Cover on the left	237 825
2	Cover in the middle at the front	237 826		4	Cover in the middle at the rear	243 054



5.25 Sliding rods

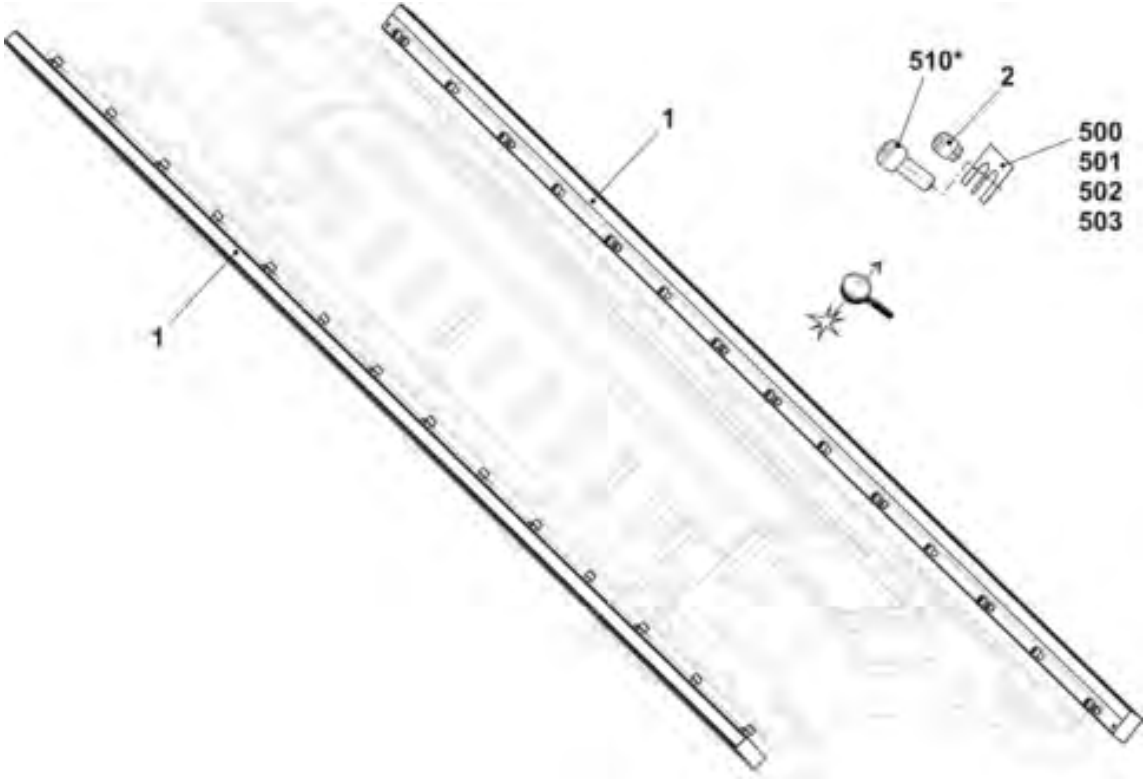
5.25 Sliding rods

Pos	Designation	Id		Pos	Designation	Id
Σ	Sliding rod complete (at the front)	236 101		Σ	Sliding rod complete (at the rear)	242 046
1	Driving rod	237 830		1	Sliding rod on the left	242 036
2	Control plate	235 396		2	Sliding rod in the middle	242 037
3	Brush driver	237 432		3	Sliding rod on the right	242 038
4	Intermediate piece	237 433		4	Control plate	235 396
500	Cap screw M3x6	022 589		5	Intermediate piece	242 809
501	Pan-head screw M3x18	242 728		6	Intermediate piece	237 433
				8	Brush driver	237 432
				500	Cap screw M3x6	022 589
				501	Pan-head screw M3x18	242 728



5.26 Spare parts package carriage guide rail

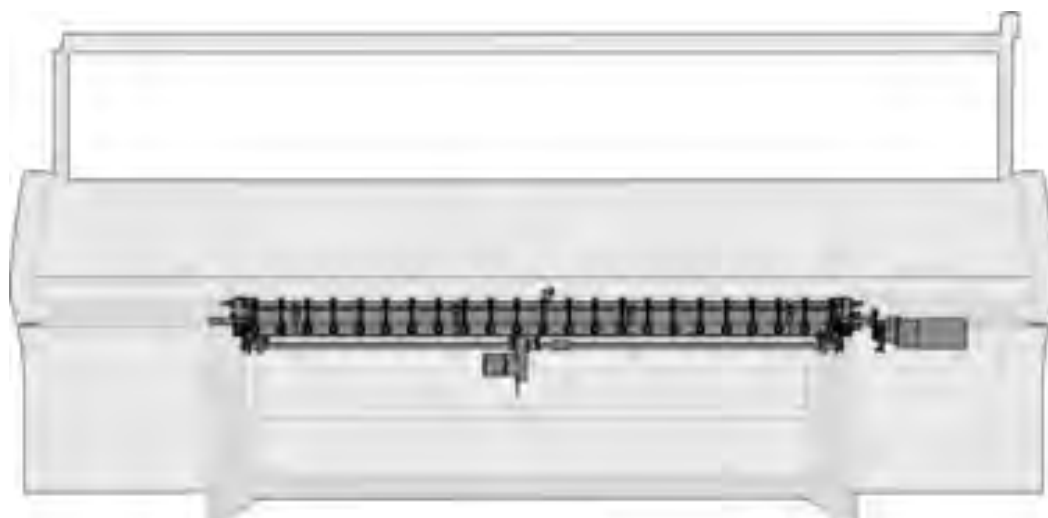
Pos	Designation	ID		Pos	Designation	ID
Σ	Spare parts package carriage guide rail 84"	252 993		501	Shim0,05x22x42	243 291
1	Carriage guide rail	242 486		502	Shim0,10x22x42	243 292
2	Adjusting eccentric	241 219		503	Shim0,20x22x42	243 293
500	Shim0,03x22x42	243 289		510*	Cap screw M8x20	020 141



5.26 Spare parts package carriage guide rail

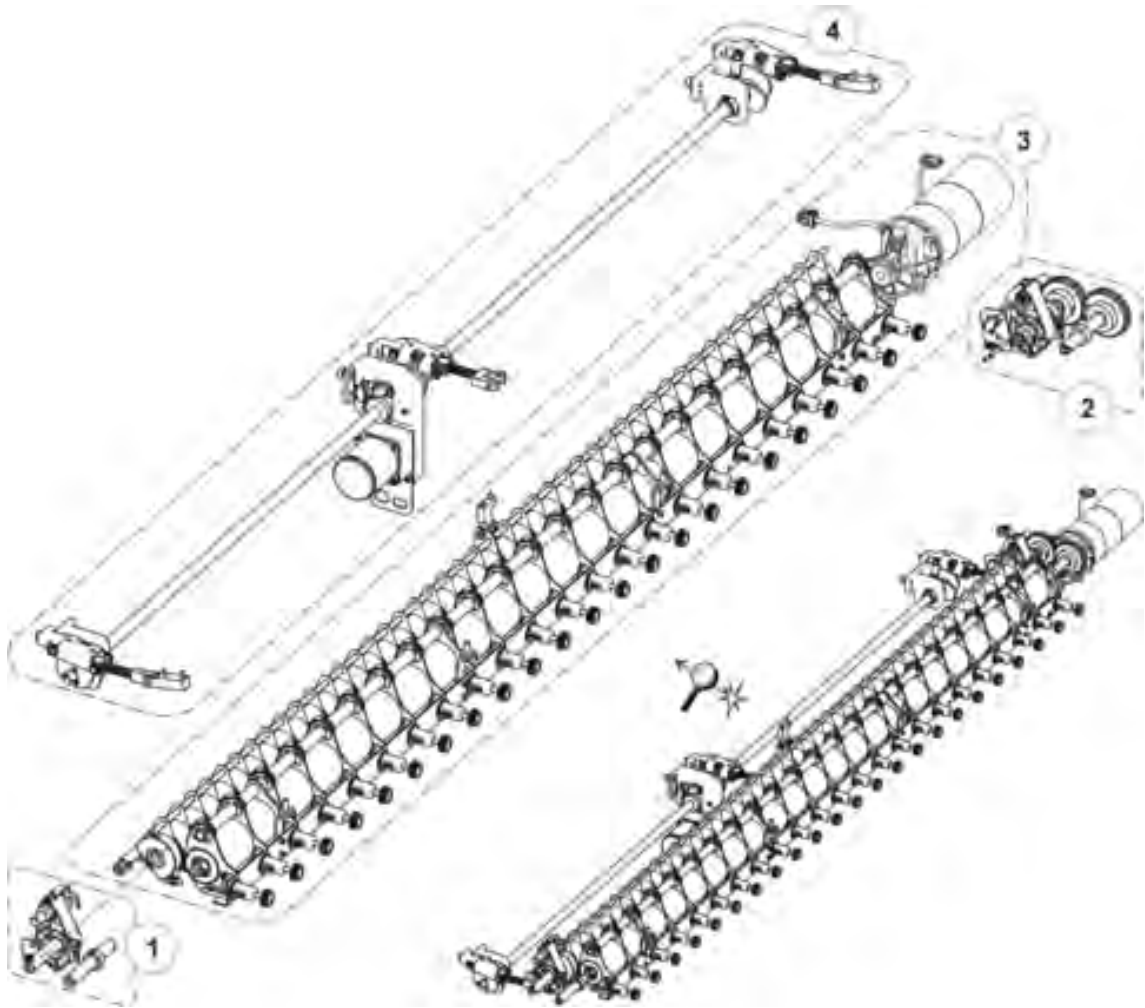
Notes:

6 Main take-down



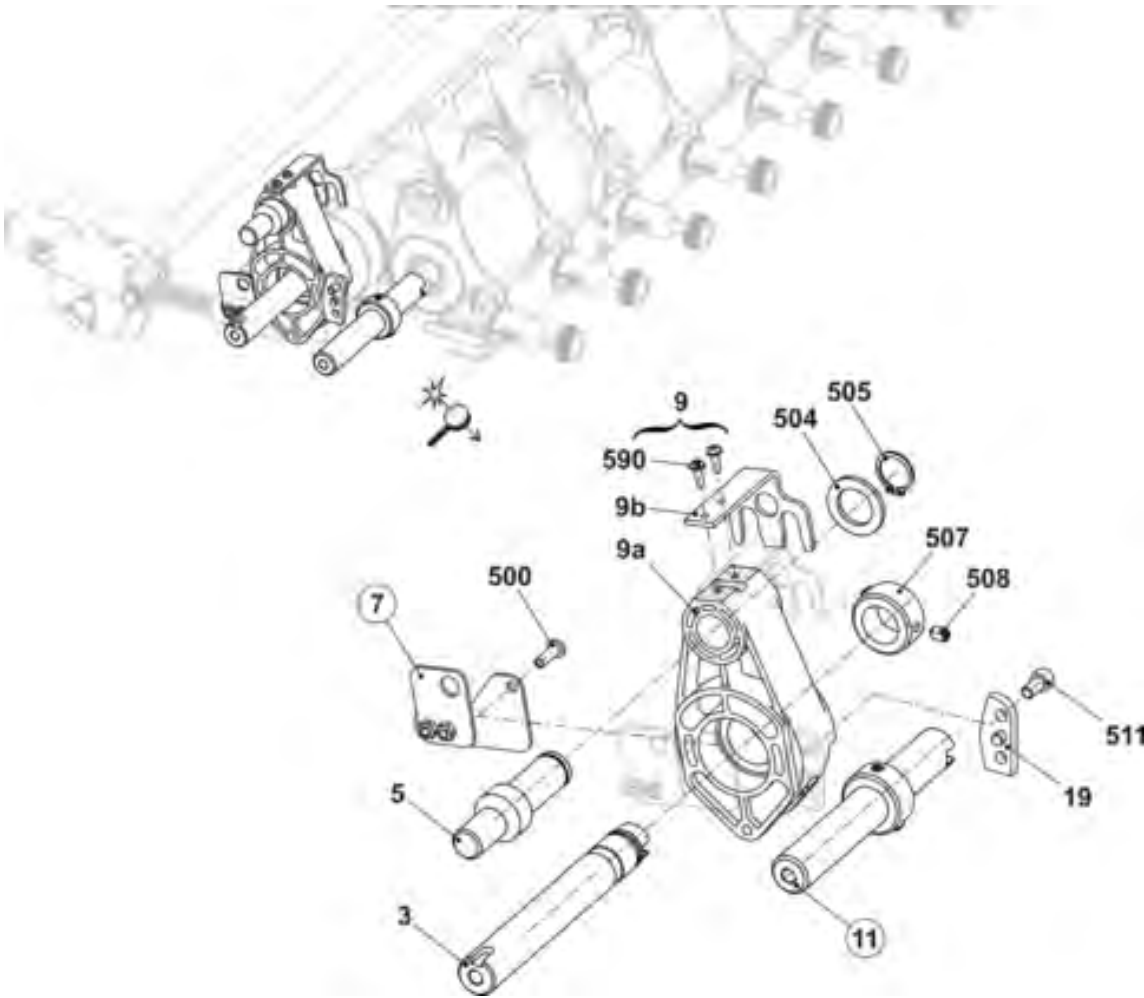
6.1 Main take-down

Pos	Designation	ID		Pos	Designation	ID
Σ	Main take-down			3	Main take-down in the middle E7.2	255 155
1	Main take-down on the left	255 148			Main take-down in the middle E9.2	255 154
2	Main take-down on the right	255 145		4	Main take-down on / off complete 84"	254 762



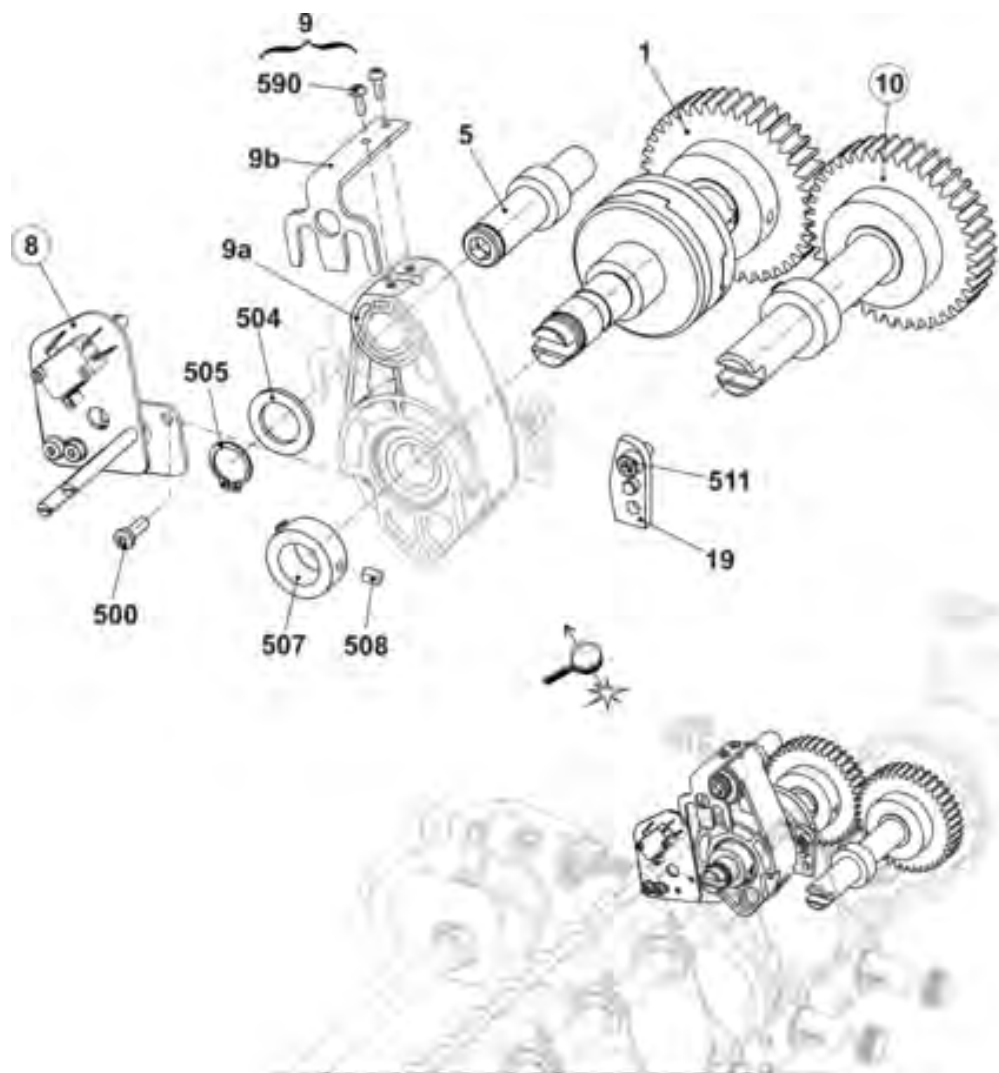
6.2 Main take-down on the left

Pos	Designation		ID		Pos	Designation	ID
Σ	Main take-down on the left		255 148		11	Full floating axle on the left	254 826
3	Shaft on the left at the rear		255 305		19	Stop point	252 503
5	Bolt		208 538		500	Screw 50x15	251 728
7	Mounting plate on the left complete		231 725		504	Washer18	023 295
9	Swivel-mounted bearing		253 247		505	Retaining ring18x1,2	020 955
	9a	Swivel-mounted bearing	253 200		507	Set collar	020 938
	9b	Sheet metal support	253 212		508	Setscrew	022 684
	590	Screw 35x10	251 729		511	Cap screw M6x12	020 134



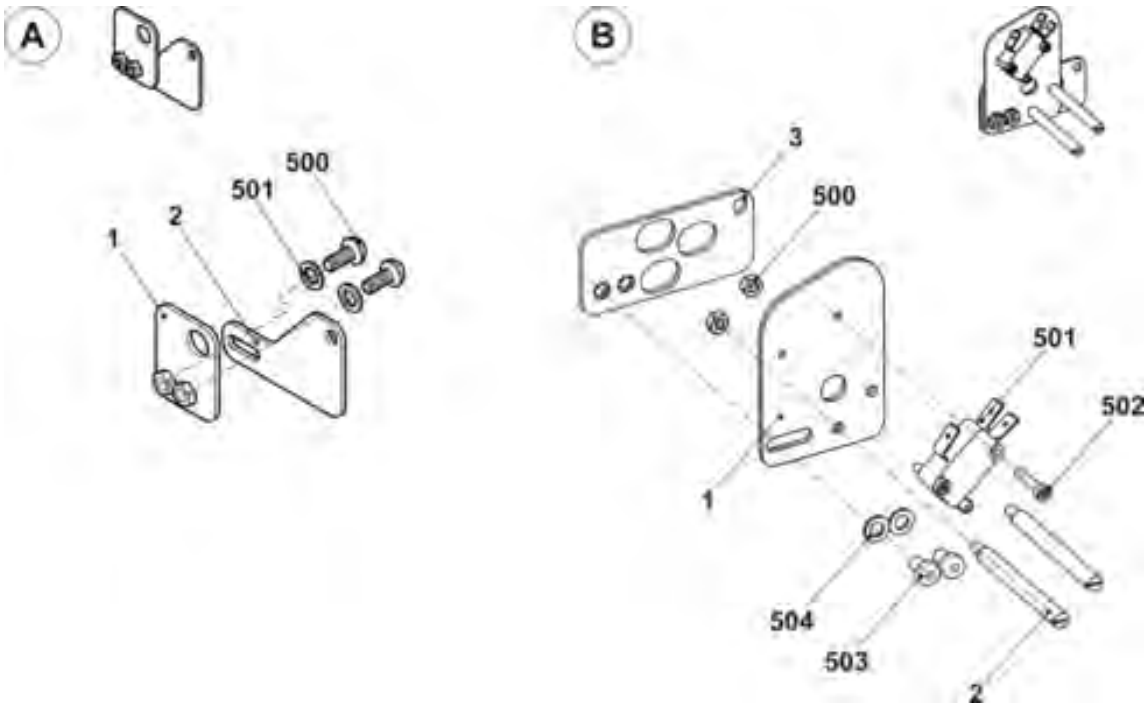
6.3 Main take-down on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down on the right	255 145	10	Full floating axle on the right	254 824
1	Clutch set	253 260	19	Stop point	252 503
5	Bolt	208 538	500	Screw 50x15	251 728
8	Mounting plate on the right complete	260 090	504	Washer18	023 295
9	Swivel-mounted bearing	253 247	505	Retaining ring18x1,2	020 955
	9a Swivel-mounted bearing	253 200	507	Set collarA20	020 938
	9b Sheet metal support	253 212	508	Setscrew M6x8	022 684
	590 Screw 35x10	251 729	511	Cap screw M6x12	020 134



6.3.1 Mounting plate

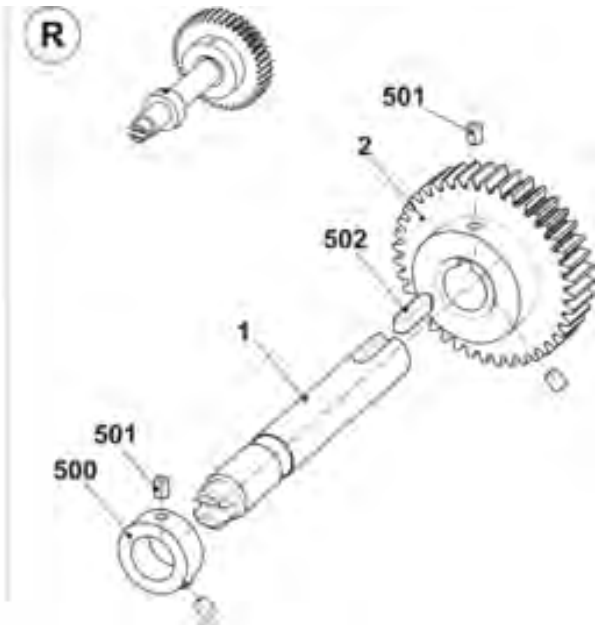
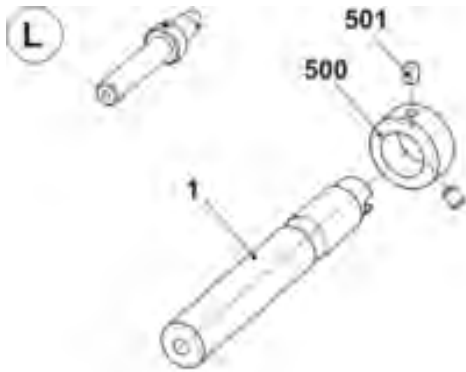
Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ A	Mounting plate on the left complete	231 725		2	Shoulder screw	240 067
1	Mounting plate on the left	231 541		3	Retaining plate on the right	240 066
2	Retaining plate on the left	231 539		500	Hexagon nut M4-6	022 536
500	Pan head screw M5x10	023 247		501	Microswitch	026 259
501	Serrated lock washer J5,3	022 489		502	Cap screw M3x16	022 583
Σ B	Mounting plate on the right complete	260 090		503	Cap screw M5x8	244 278
1	Mounting plate on the right	260 067		504	Washer5-200	020 871



6.3 Main take-down on the right

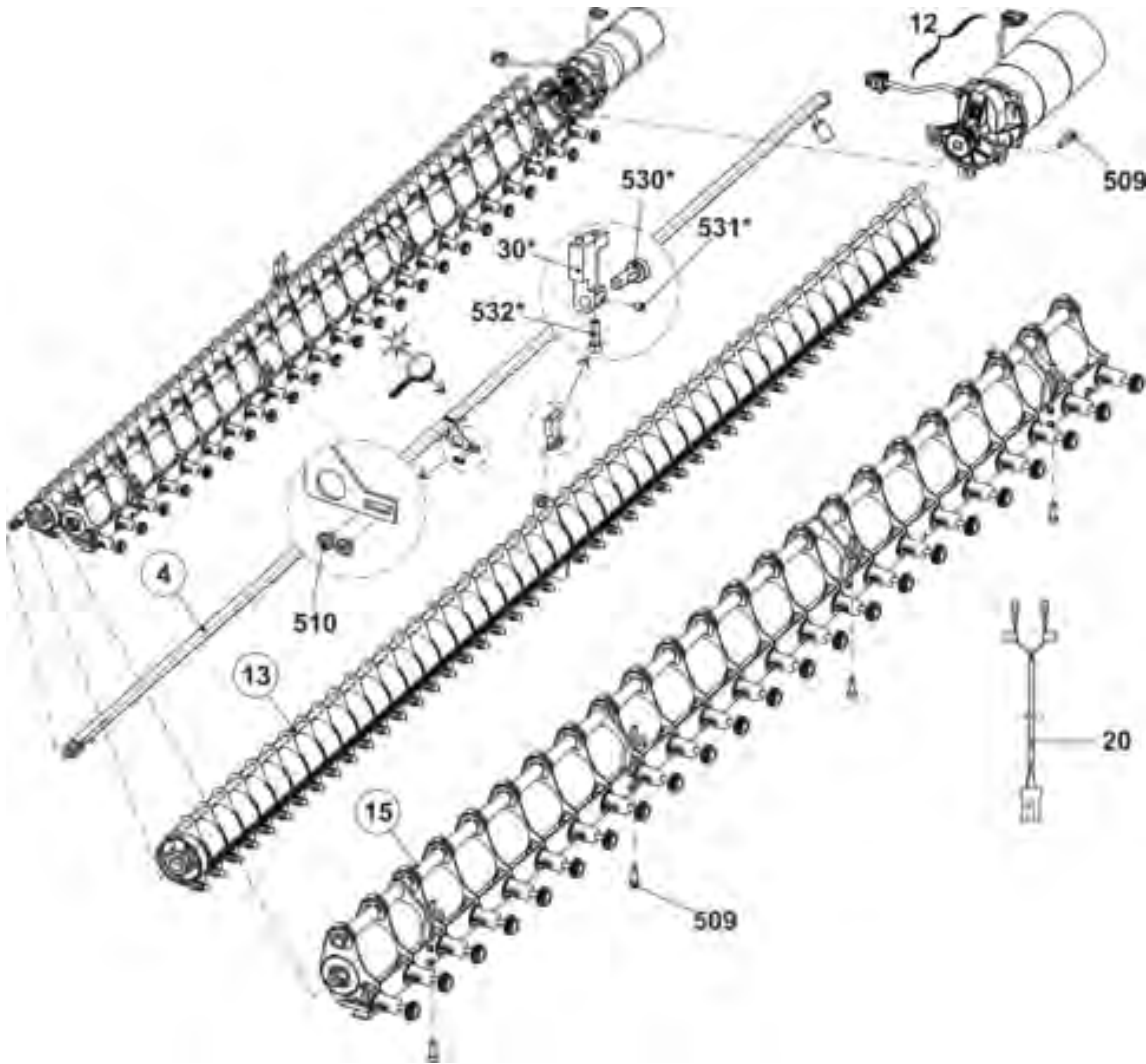
6.3.2 Full floating axle

Pos	Designation	ID		Pos	Designation	ID
Σ L	Full floating axle on the left	237 354		Σ R	Full floating axle on the right	237 353
1	Shaft on the left at the front	237 334		1	Shaft on the right in front	237 340
500	Set collar	020 938		2	Gear wheel Z=40, M=2	213 744
501	SetscrewM6x8	022 684		500	Set collar	020 938
				501	SetscrewM6x8	022 684
				502	Feather key A 6x6x25	023 017



6.4 Main take-down in the middle

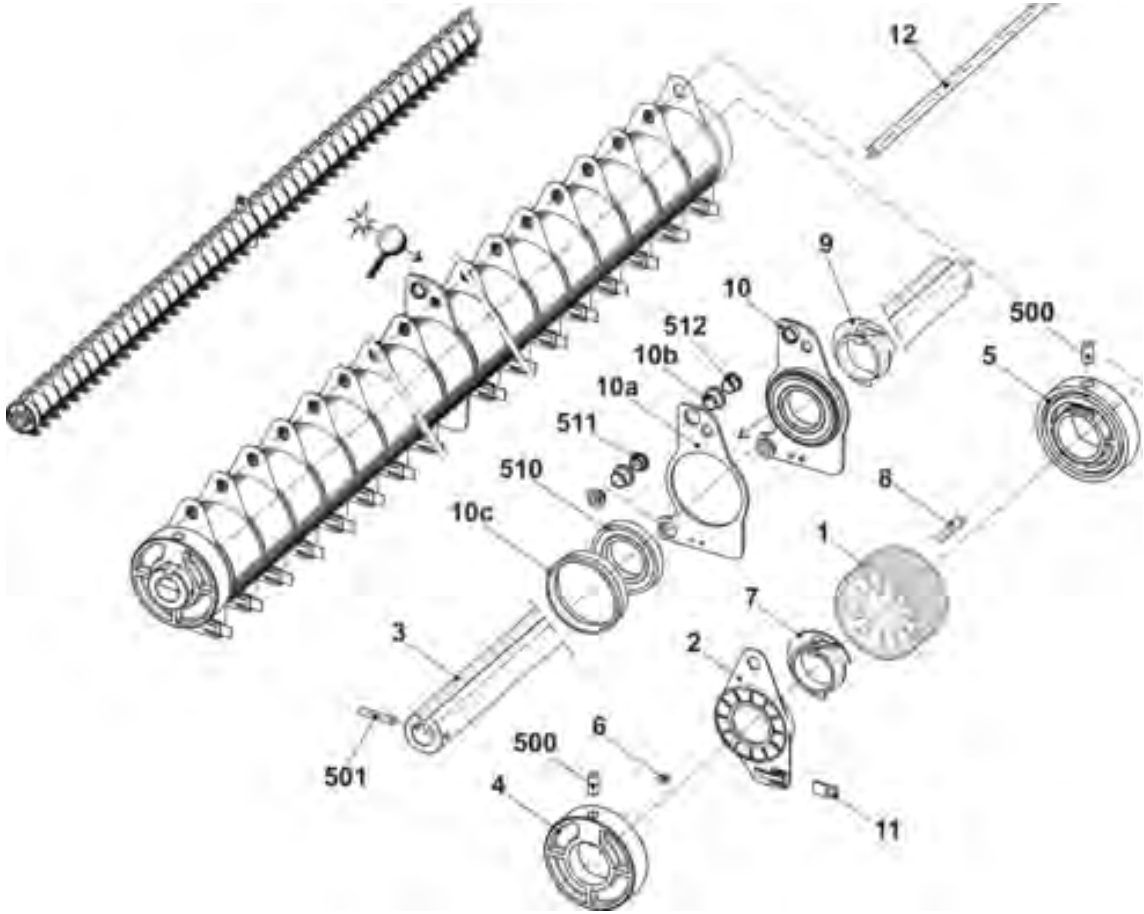
Pos	Designation	ID		Pos	Designation	ID
Σ	Main take-down in the middleE5-14 (E7.2)	255 155				
	Main take-down in the middleE16-18 (E9.2)	255 154		509	Cap screw M8x25	020 142
4	Stripper angle at the rear complete	260 441		510	Pan-head screw M4x6	235 450
12	Motor take-down unit complete	253 803		30*	Bearing block	237 204
13	Take-down roller at the rear complete E3-14	254 745		530*	Bolt	237 211
15	Take-down roller at the front complete	254 770		531*	Setscrew M6x8	023 723
20	Connection cable winding plate	241 703		532*	Cap screw M8x20	020 136



6.4 Main take-down in the middle

6.4.1 Rear take-down roller

Pos	Designation	ID		Pos	Designation	ID
Σ	Take-down roller at the rear complete E3-14	254 745				
1	Roller	206 770		10b	Bearing	232 571
2	Stripper	241 612		10c	Ring	222 895
3	Shaft	254 750		9	Stop ring on the left	222 910
4	Ring on the left	255 830		11	Brush	225 819
5	Ring on the right	255 831		12	Rod	254 754
6	Spacer slide	222 062		500	Setscrew	258 910
7	Stop ring on the left	204 369		501	Dowel pin 6x32	020 685
8	Spacer slide	240 104		510	Grooved ball bearing 16007	021 697
10	Support	232 578		511	Slide bearing GFM-101216-06	023 280
10a	Supporting plate	232 512		512	Slide bearing GFM-101216-09	023 356



6.4.2 Front take-down roller

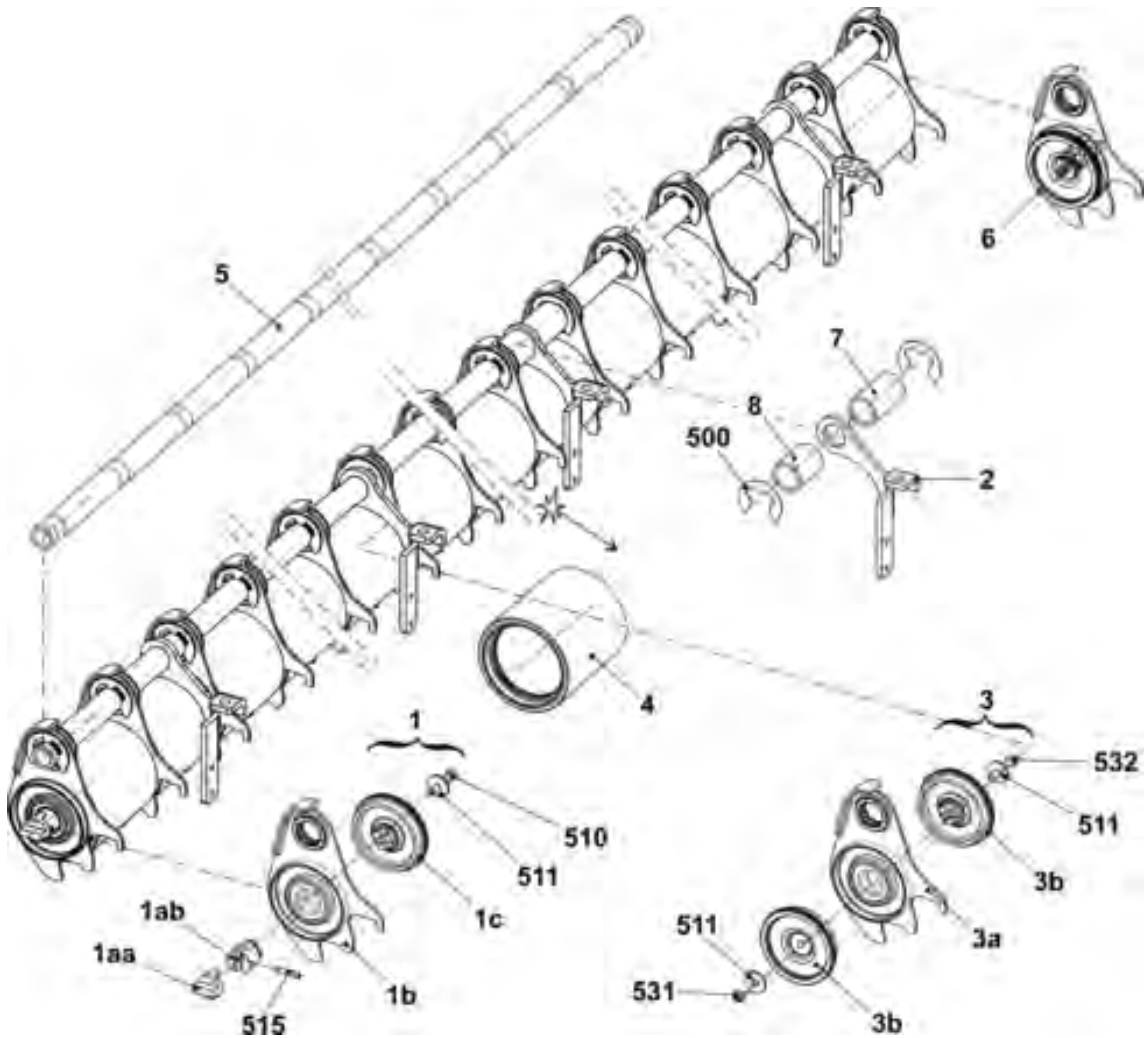
Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller at the front complete	254 770		4	Locating piece	221 935
1	Take-down roller at the front	253 423		500	Compression spring 1x10x30	023 741
2	Angle rail complete	254 771		501	Cap screw M5x12	020 132
3	Pressure sleeve	220 911		502	Washer5-200	020 880



6.4 Main take-down in the middle

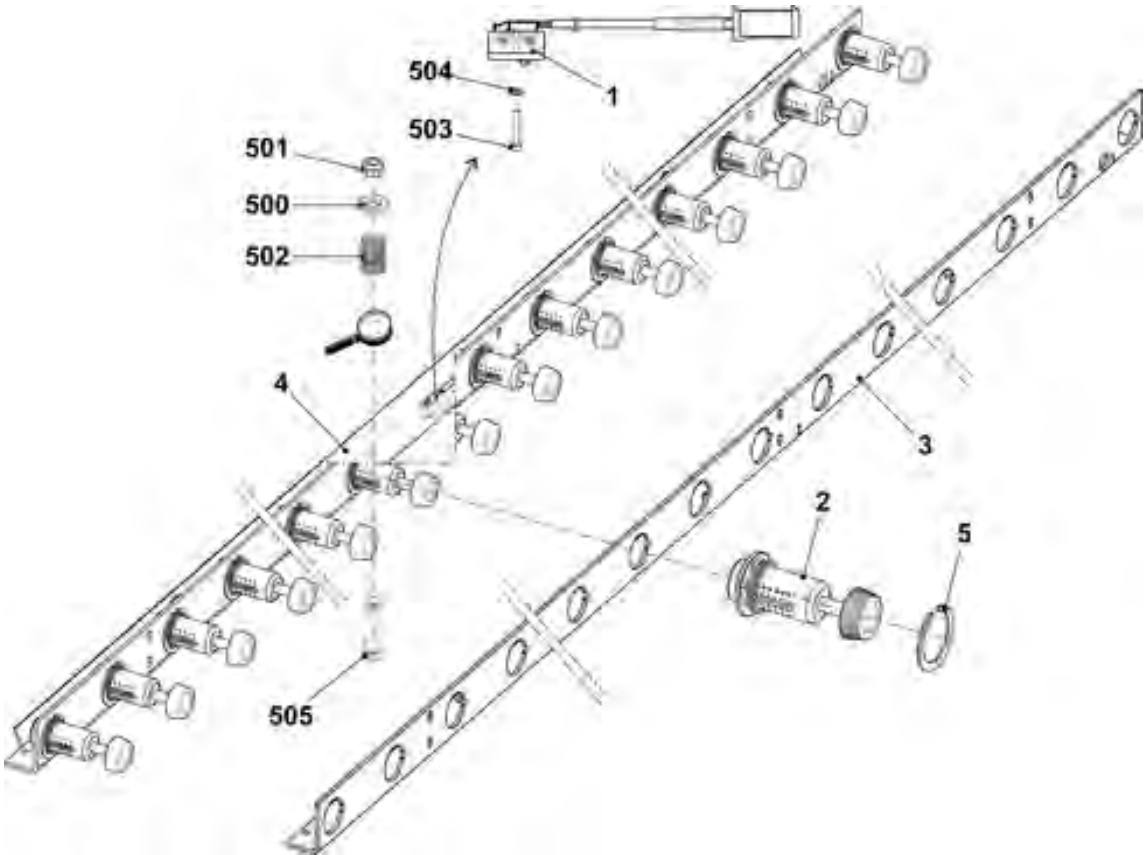
6.4.2.1 Front roller elements

Pos	Designation		ID		Pos	Designation		ID
Σ	Take-down roller at the front		253 423		4	Roller		220 905
1	Bearing support on the left complete		221 225		5	Tube		237 191
	1aa	adaptor	221 132		6	Bearing support on the right complete		221 240
	1ab	Universal joint	221 137			1aa	Universal joint	221 137
	1b	Bearing support	220 913			1ab	adaptor	221 132
	1c	Gear wheel	220 910			1b	Bearing support	220 913
	510	Cap screwM5x20	020 133			1c	Gear wheel	220 910
	511	Washer5	023 542			510	Cap screwM5x20	020 133
	515	Spring dowel sleeve 4x20	023 551			511	Washer5	023 542
				515		Spring dowel sleeve 4x20	023 551	
2	Support		251 557		7	Spacer pipe on the right		253 407
3	Bearing support complete		221 241		8	Spacer pipe on the left		253 408
	3a	Bearing support	220 913		500	Circlip		021 025
	3b	Gear wheel	220 910					
	531	Hexagon nut M5-8	023 541					
	532	Cap screwM5x30	022 396					



6.4.2.2 Pressure angle rail

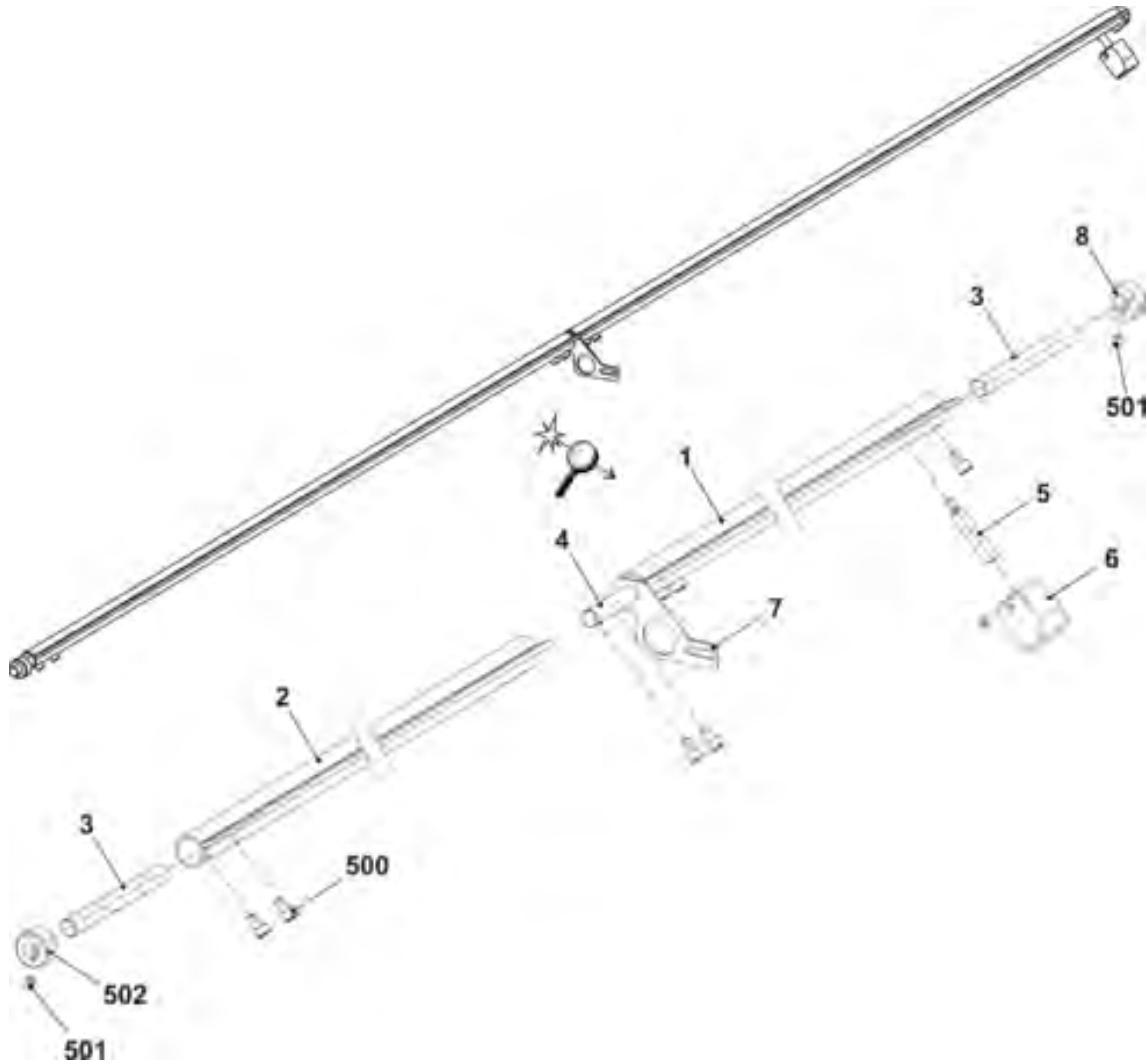
Pos	Designation	ID		Pos	Designation	ID
Σ	Angle rail complete	242 316		500	Washer6	022 431
1	Switch complete with cable	221 265		501	Hexagon nut M5-8	023 541
2	Spring flange	242 327		502	Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	242 277		503	Cap screwM2x12	023 522
4	Winding plate	237 195		504	Washer2-200	022 908
5	Locking ring	242 325		505	Shoulder screw M5x20x5	023 675



6.4 Main take-down in the middle

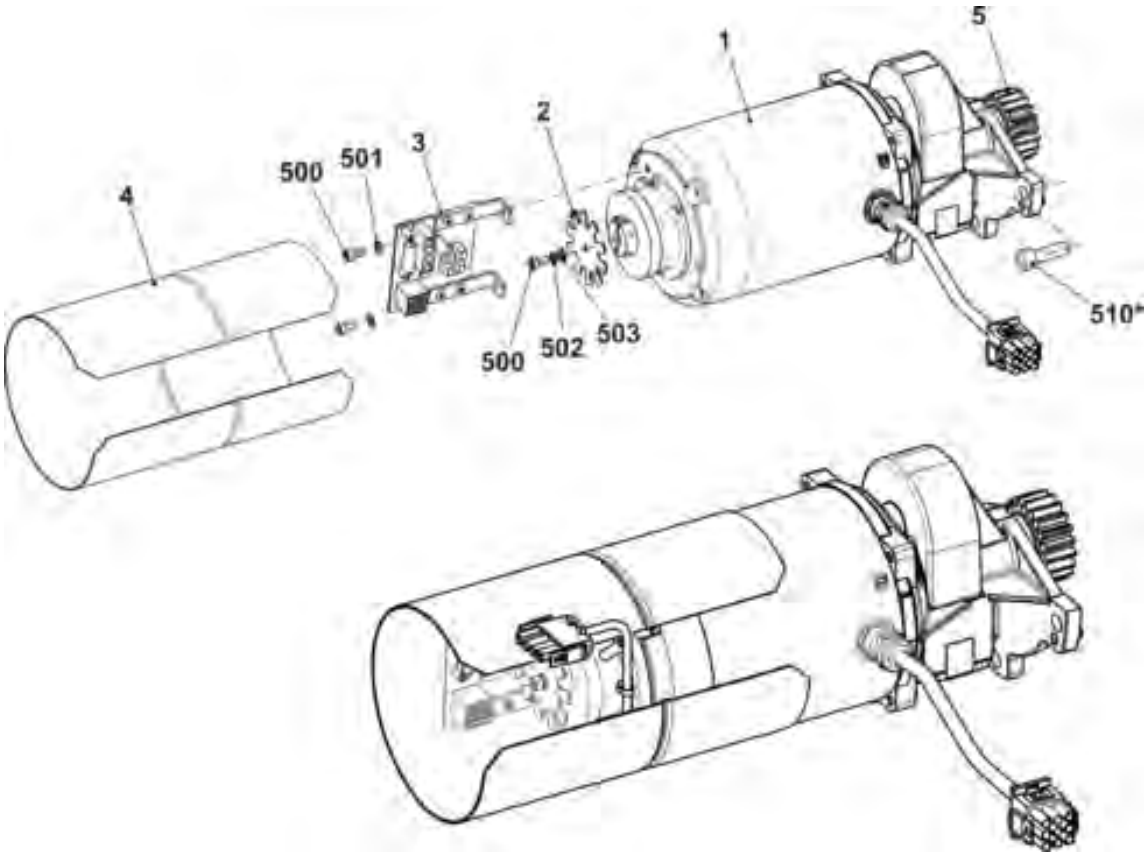
6.4.3 Stripper angle

Pos	Designation	Id		Pos	Designation	Id
Σ	Stripper angle at the rear complete	260 441		6	Adjustment weight	260 426
1	Stripper angle on the right	259 974		7	Bracket	260 060
2	Stripper angle on the left	259 975		8	Cam	260 109
3	Axle	259 969		500	Cap screw M5x8	023 319
4	Axle	259 970		501	Setscrew M5x6	022 738
5	Bolt	228 310		502	Set collar	020 934



6.4.4 Impulse sensor and motor

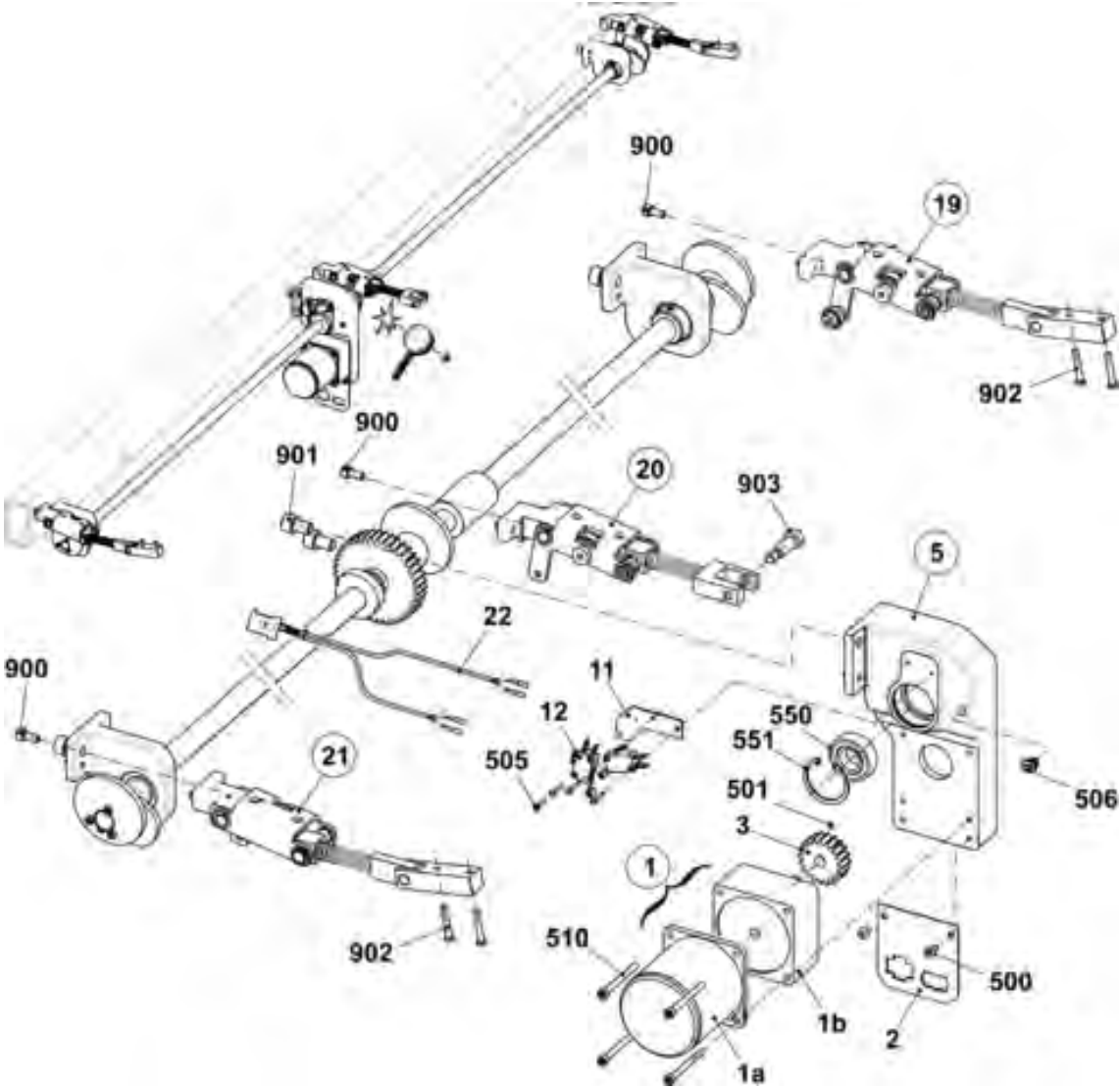
Pos	Designation	Id		Pos	Designation	Id
Σ	Motor take-down unit complete	253 803				
1	Asynchronous torque motor (complete)	257 438		500	Cap screw M4x8	022 501
2	Impulse disc	208 716		501	Washer4-200	020 879
3	Light barrier take-down + comb	300 744		502	Circlip	022 774
4	Cover	212 262		503	Shim ring 4x8x1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



6.5 Take-down closing device

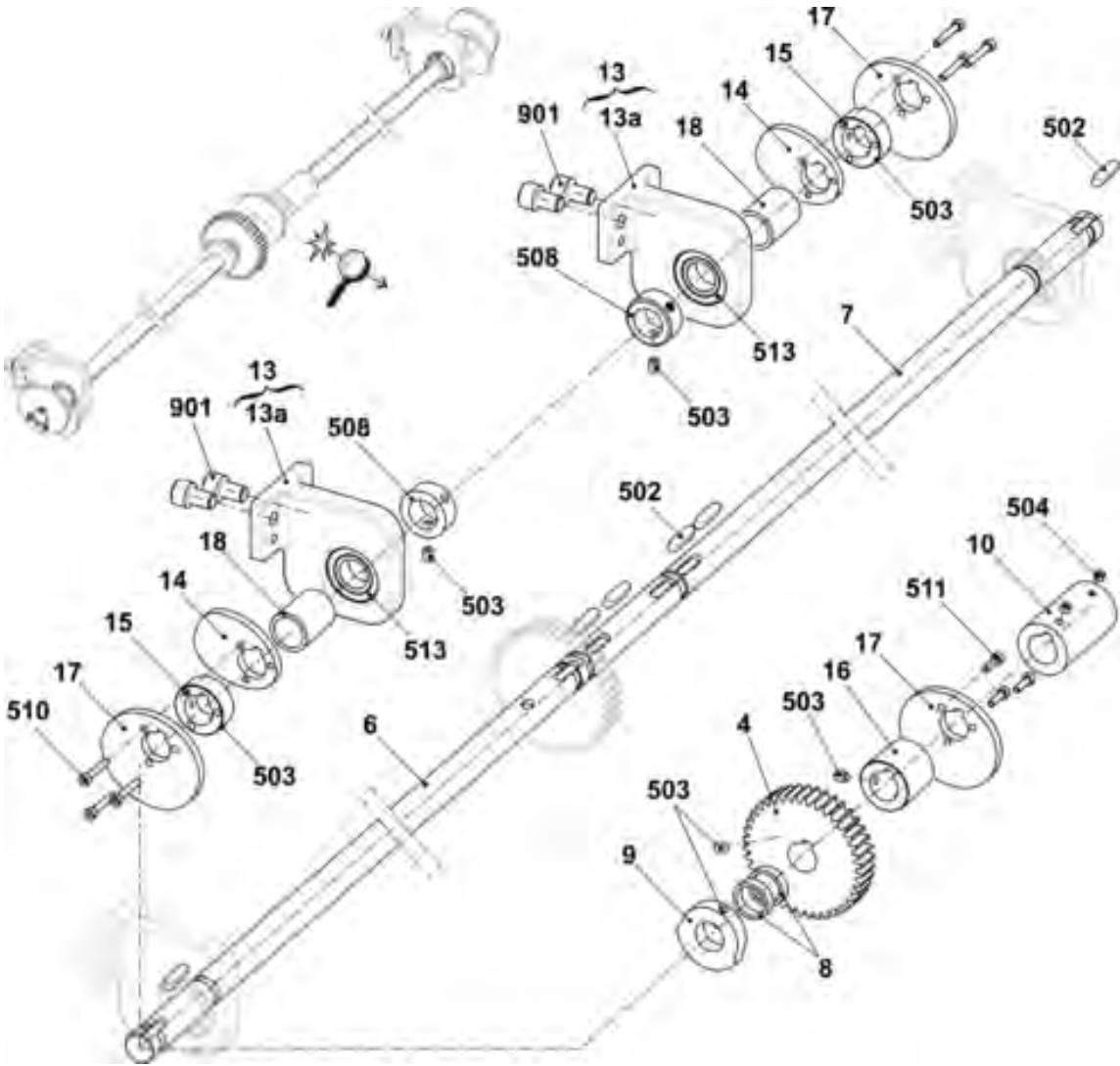
6.5 Take-down closing device

Pos	Designation		ID	Pos	Designation		ID
Σ	Main take-down on / off complete		254 762	19	Swivel support on the right complete		253 389
1	Motor complete			20	Swivel holder in the middle complete		239 188
	1a	Motor 25W	232 456	21	Swivel holder on the left complete		253 388
	1b	Gear unit	234 983	22	Cable switch HAAB open		232 442
	510	Cap screw M5x55	023 321	500	Cap screw M5x8		023 319
2	Sheet metal		232 992	501	Setscrew M4x4		022 875
3	Gear wheel		232 434	505	Cap screw M3x15		020 009
5	Support in the middle complete			506	Assembling element		209 543
	550	Grooved ball bearing 6004-2Z	022 720	900	Cap screw M6x14		022 658
	551	Retaining ring 42x1,75	023 293	901	Cap screw M10x16		023 895
11	Limit switch retaining plate		235 190	902	Screw M50x30		253 257
12	Microswitch XGK2-S21 250 VAC		210 510	903	Cap screw M10x25		023 751



6.6 Continuation of take-down closing device

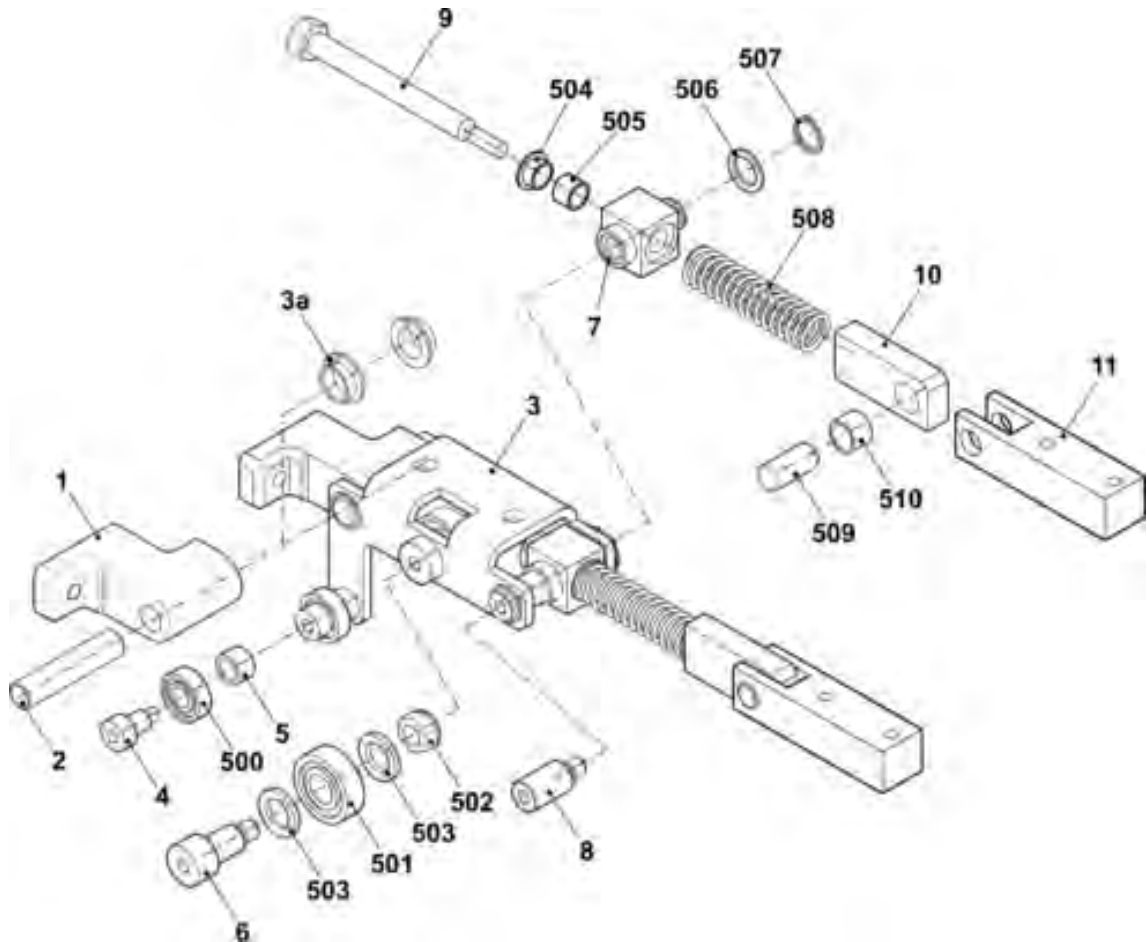
Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down on / off complete	254 762	15	Guide bush	234 876
4	Gear wheel	213 744	16	Guide bush	235 623
6	Shaft	254 765	17	Eccentric	232 382
7	Shaft	254 766	18	Spacer pipe	235 128
8	Threaded spacer	232 385	502	Feather key A 6x6x25	023 017
9	Trip cam	232 383	503	Setscrew M6x8	023 723
10	Coupling	232 604	504	Setscrew M6x5	023 192
13	Support on the outside complete	235 248	508	Set collarA20	020 938
13a	Support	234 780	510	Cap screw M4x25	023 302
513	Grooved ball bearing 6004-2Z	022 720	511	Cap screw M4x14	023 604
14	Eccentric	235 135	901	Cap screw M10x16	023 895



6.6 Continuation of take-down closing device

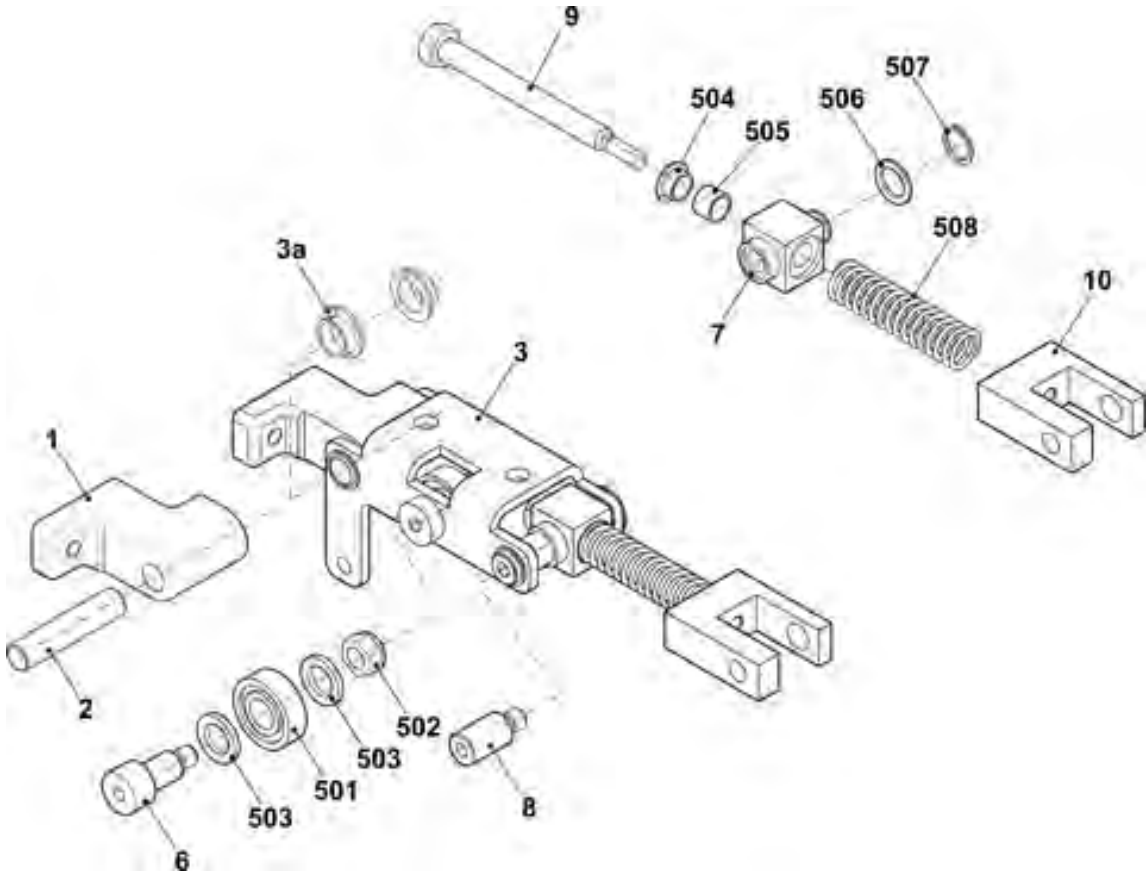
6.6.1 Right swivel support

Pos	Designation	ID		Pos	Designation	ID
Σ	Swivel support on the right complete	253 389		11	Lever	253 199
1	Support	239 163		500	Grooved ball bearing 619/8-2RS	023 728
2	Bearing pin	239 164		501	Grooved ball bearing 6000-2Z	022 599
3	Bow	238 974		502	Hexagon nut M8-8	022 843
	3a	Clip bearing 11-MCM-12-04	023 639	503	Shim ring 10x16x2	023 600
4	Shoulder screw	239 133		504	Slide bearing GFM-081014-06	023 358
5	Threaded spacer	239 134		505	Slide bearing GSM-0810-10	023 896
6	Shoulder screw	239 132		506	Shim ring 12x18x1	023 315
7	Swivel-mounted bearing	239 100		507	Retaining ring12x1	020 951
8	Bearing bolt	239 117		508	Compression spring 2,5x12,5x67,5	023 743
9	Spring mandrel on the inside	232 388		509	Dowel pin 10x20	023 616
10	Lever	238 370		510	Slide bearing GSM-1012-10	239 178



6.6.2 Swivel holder in the middle

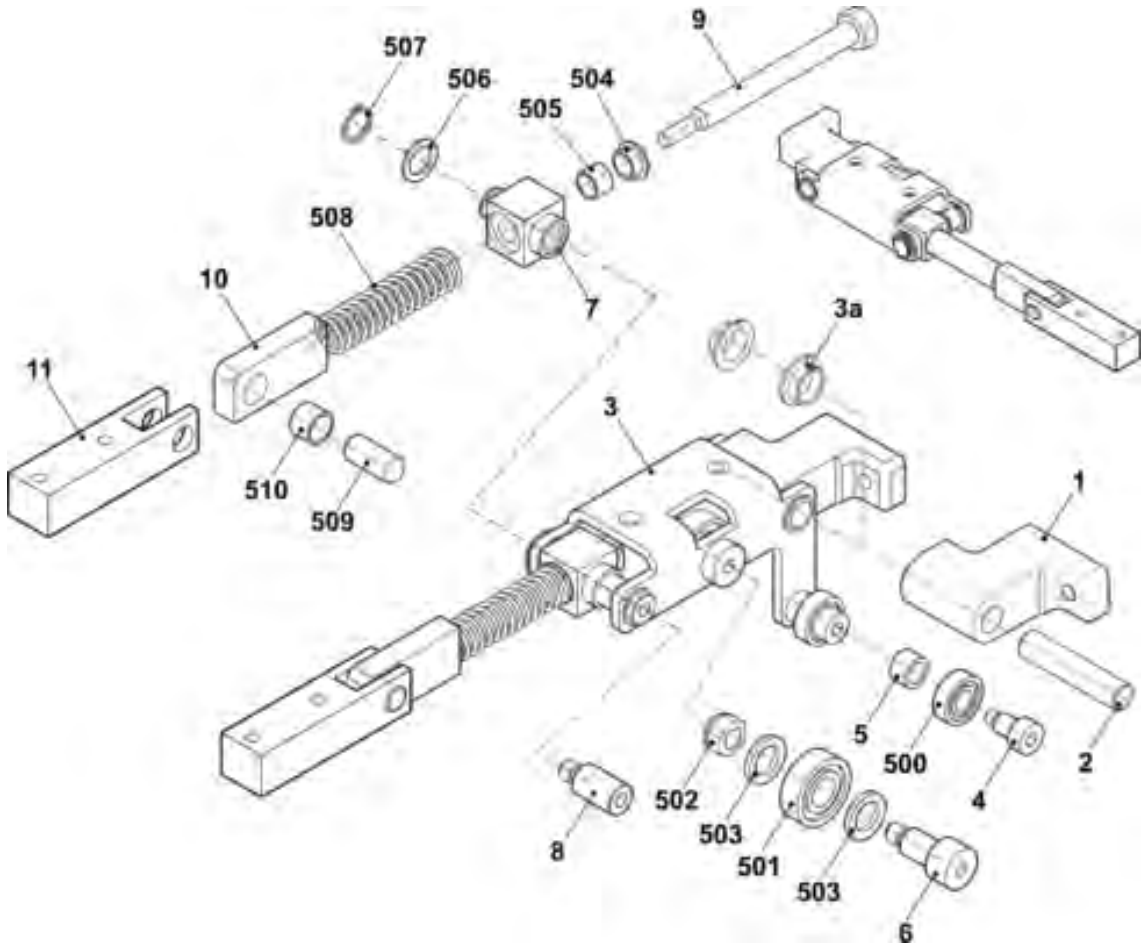
Pos	Designation	ID		Pos	Designation	ID
Σ	Swivel holder in the middle complete	239 188		10	Angle	238 778
1	Support	239 163		501	Grooved ball bearing 6000-2Z	022 599
2	Bearing pin	239 164		502	Hexagon nut M8-8	022 843
3	Bow	238 974		503	Shim ring 10x16x2	023 600
	3a	Clip bearing 11-MCM-12-04	023 639	504	Slide bearing GFM-081014-06	023 358
6	Shoulder screw	239 132		505	Slide bearing GSM-0810-10	023 896
7	Swivel-mounted bearing	239 100		506	Shim ring 12x18x1	023 315
8	Bearing bolt	239 117		507	Retaining ring 12x1	020 951
9	Spring mandrel on the inside	232 388		508	Compression spring 2,5x12,5x67,5	023 743



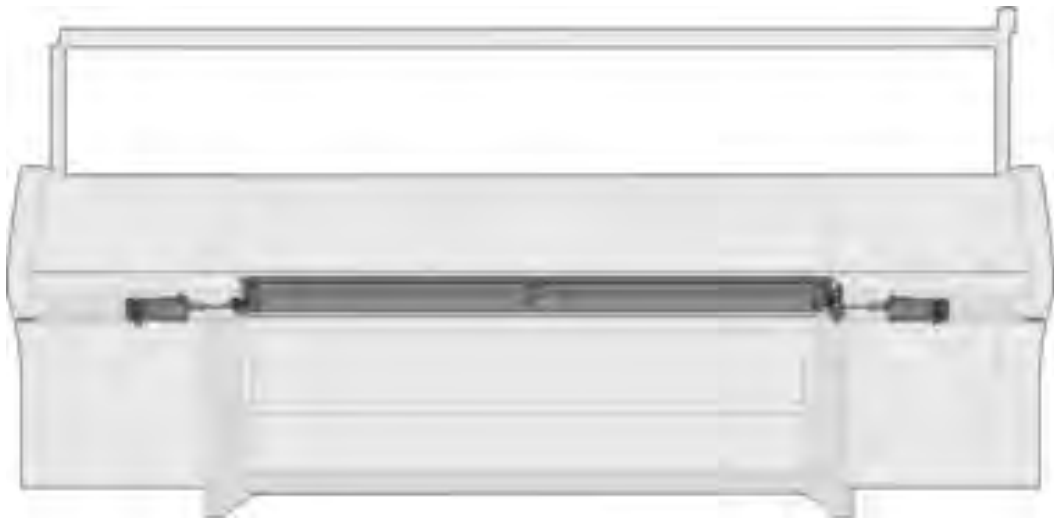
6.6 Continuation of take-down closing device

6.6.3 Left swivel holder

Pos	Designation	ID		Pos	Designation	ID
Σ	Swivel holder on the left complete	253 388		11	Lever	253 199
1	Support	239 163		500	Grooved ball bearing 619/8-2RS	023 728
2	Bearing pin	239 164		501	Grooved ball bearing 6000-2Z	022 599
3	Bow on the left	239 184		502	Hexagon nut M8-8	022 843
3a	Clip bearing 11-MCM-12-04	023 639		503	Shim ring 10x16x2	023 600
4	Shoulder screw	239 133		504	Slide bearing GFM-081014-06	023 358
5	Threaded spacer	239 134		505	Slide bearing GSM-0810-10	023 896
6	Shoulder screw	239 132		506	Shim ring 12x18x1	023 315
7	Swivel-mounted bearing	239 100		507	Retaining ring12x1	020 951
8	Bearing bolt	239 117		508	Compression spring 2,5x12,5x67,5	023 743
9	Spring mandrel on the inside	232 388		509	Dowel pin 10x20	023 616
10	Lever	238 370		510	Slide bearing GSM-1012-10	239 178

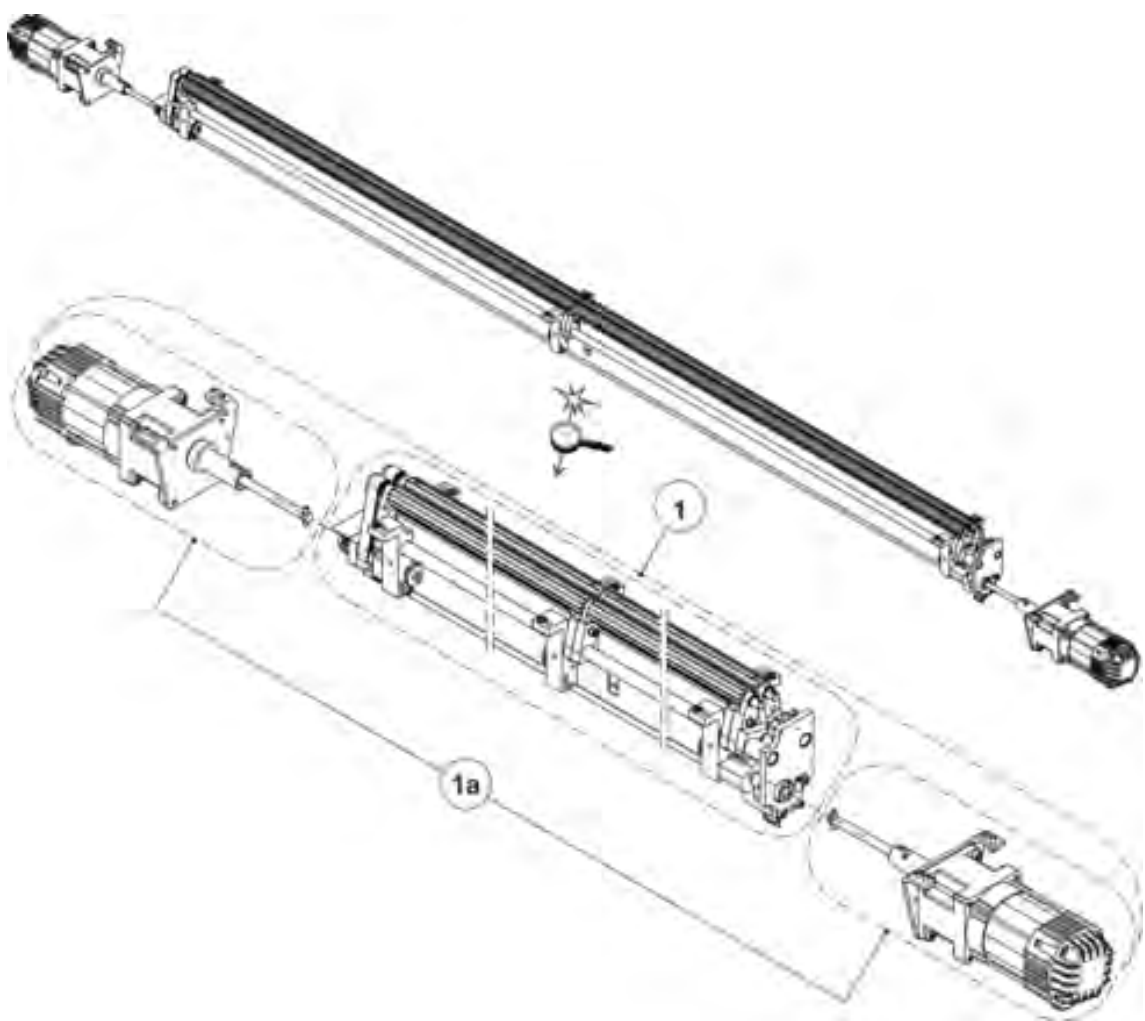


7 Auxiliary take-down



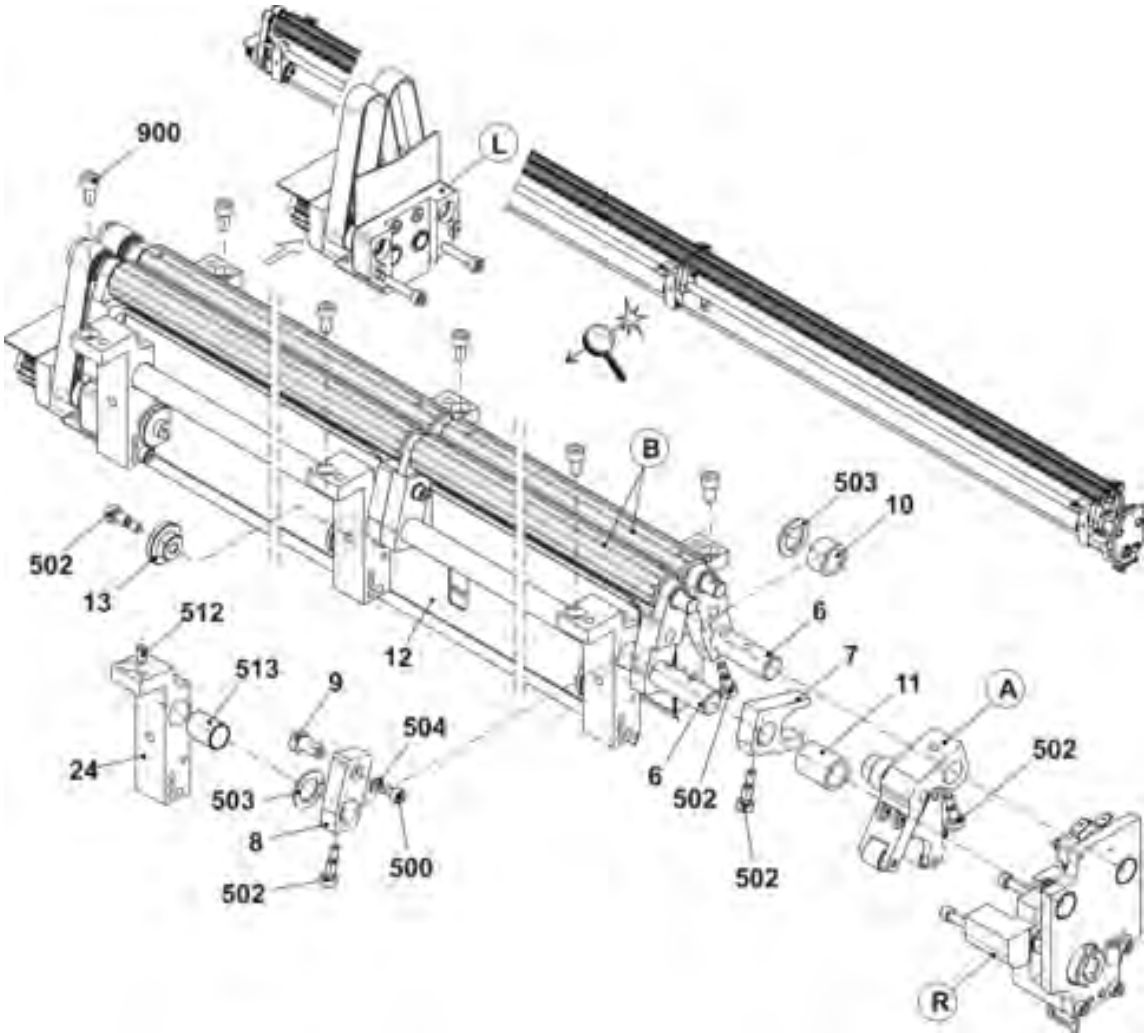
7.1 Auxiliary take-down

Pos	Designation	Id		Pos	Designation	Id
Σ	Auxiliary take-down					
1	Auxiliary take-down pre-assembled	254 573		1a	Motor with 2 phases auxiliary take-down complete	235 602



7.1.1 Auxiliary take-down pre-assembled

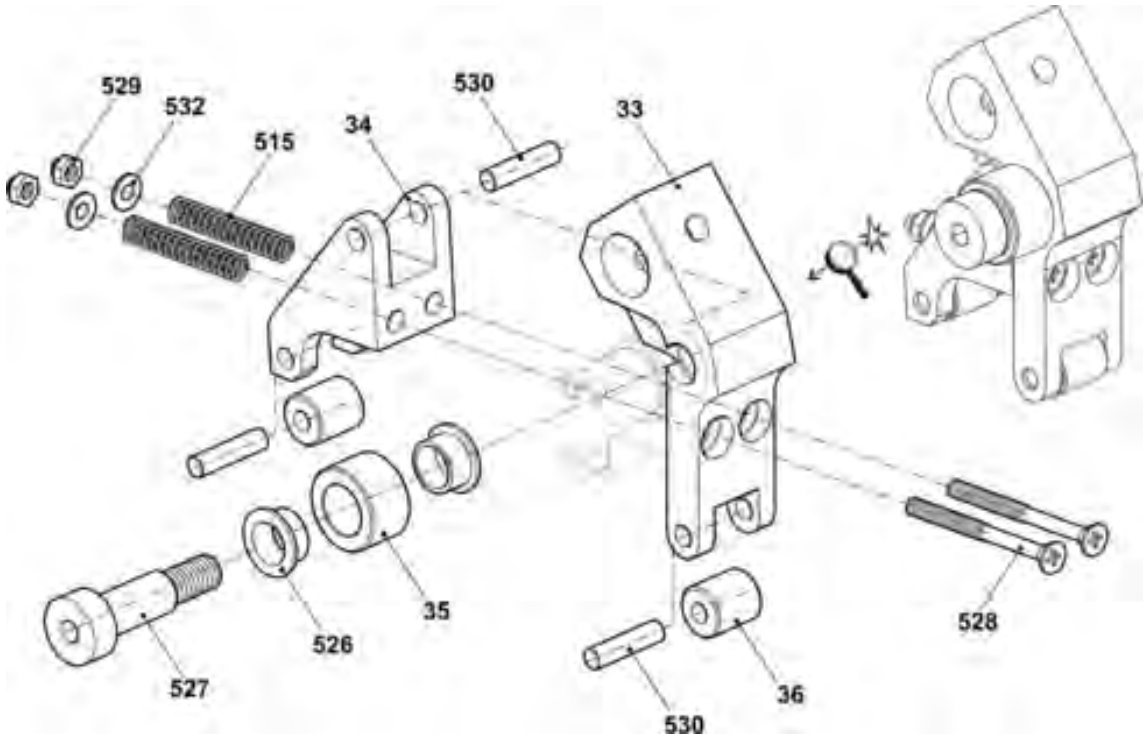
Pos	Designation	Id		Pos	Designation	Id
Σ	Auxiliary take-down pre-assembled	254 974				
6	Contact shaft	237 126		B	Take-down roller	237 128
7	Lever	235 164		L	Bearing on the left	236 894
8	Clamping lever	235 156		R	Bearing on the right	235 353
9	Eccentric	236 952		500	Cap screw M5x10	022 918
10	Spacer pipe	235 189		502	Cap screw 6x10	235 448
11	Spacer pipe	235 192		503	Stop disk GTM-1524-015	235 447
12	Cover plate	237 127		504	Disk5	020 871
13	Roll	235 178		512	Dowel pin 6x10	023 268
24	Support	235 150		513	Slide bearing FSM-1517-20	237 060
A	Contact lever	235 356		900	Cap screw M6x12	020 134



7.1 Auxiliary take-down

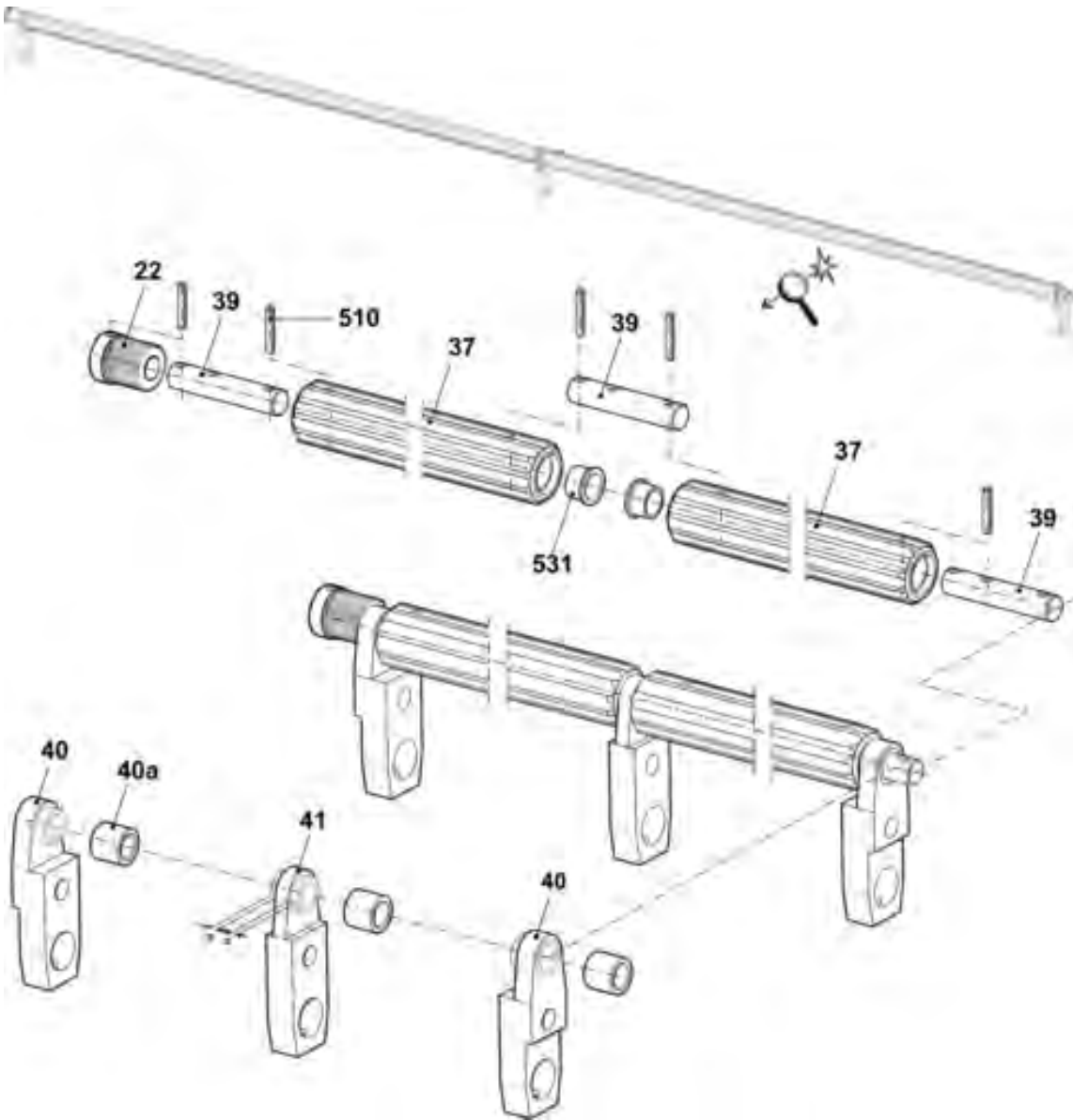
7.1.1.1 Contact lever

Pos	Designation	Id		Pos	Designation	Id
Σ	Contact lever	235 356		526	Slide bearing GFM-10x1216-06	023 280
33	Lever	235 172		527	Cap screw M10x16	023 748
34	Tilting lever	235 173		528	Countersunk screw M4x45	023 291
35	Roller	235 176		529	Hexagon nut M4-8	023 046
36	Roll	235 171		530	Dowel pin 5x22-A-ST	023 716
515	Compression spring 1,6x6,4x27,1	023 288		532	Washer4	020 870



7.1.1.2 Take-down roller

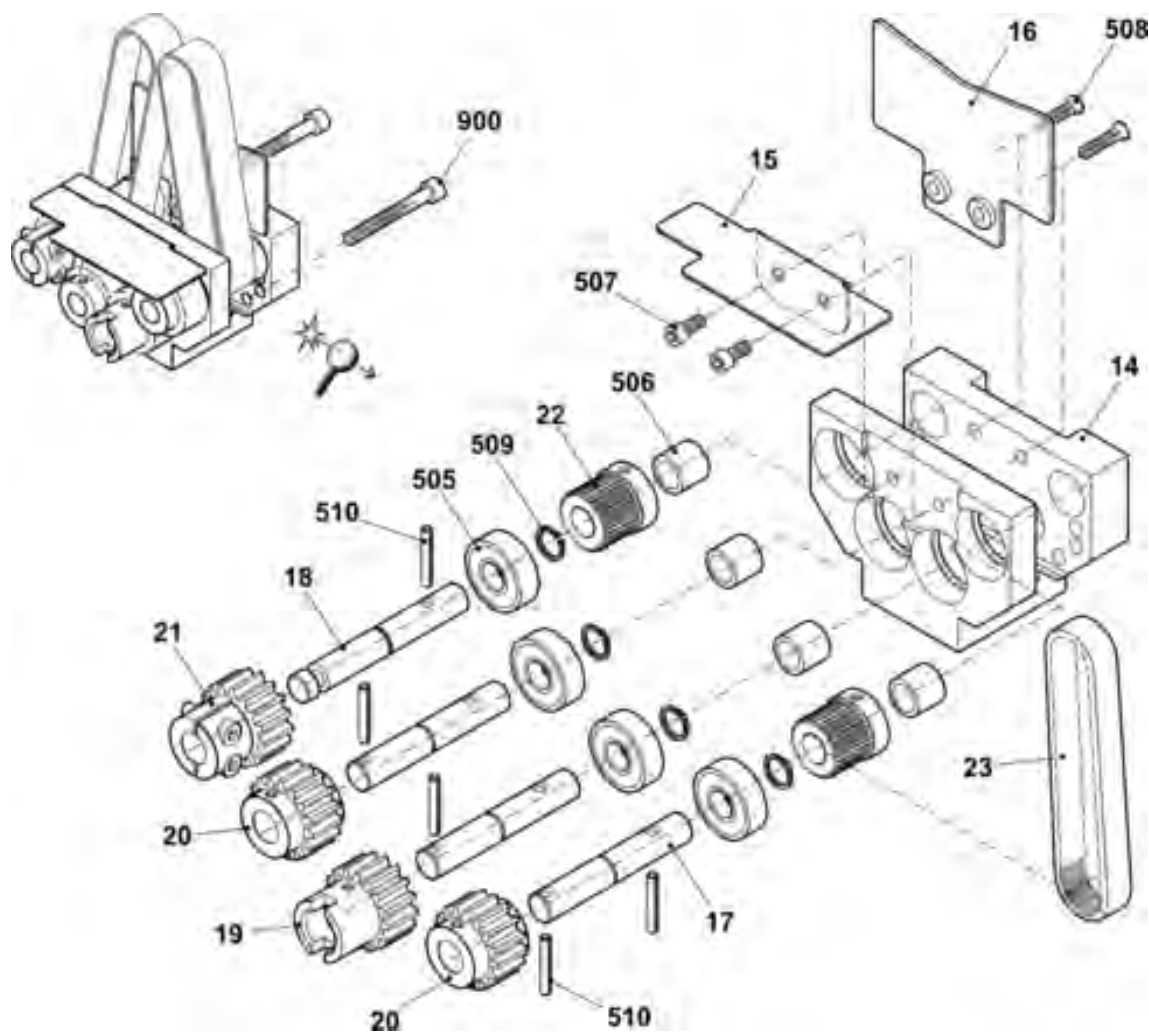
Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller complete	254 600				
22	Timing belt pulley	237 043			40a Needle roller bearing 10x14x12	023 665
37	Take-down roller	254 543		41	Lever bearing in the middle complete	235 359
39	Bolt	236 973		531	Slide bearing GFM-101214-07	023 627
40	Lever bearing right/left complete	235 358		510	Spring dowel sleeve 3x18	237 059



7.1 Auxiliary take-down

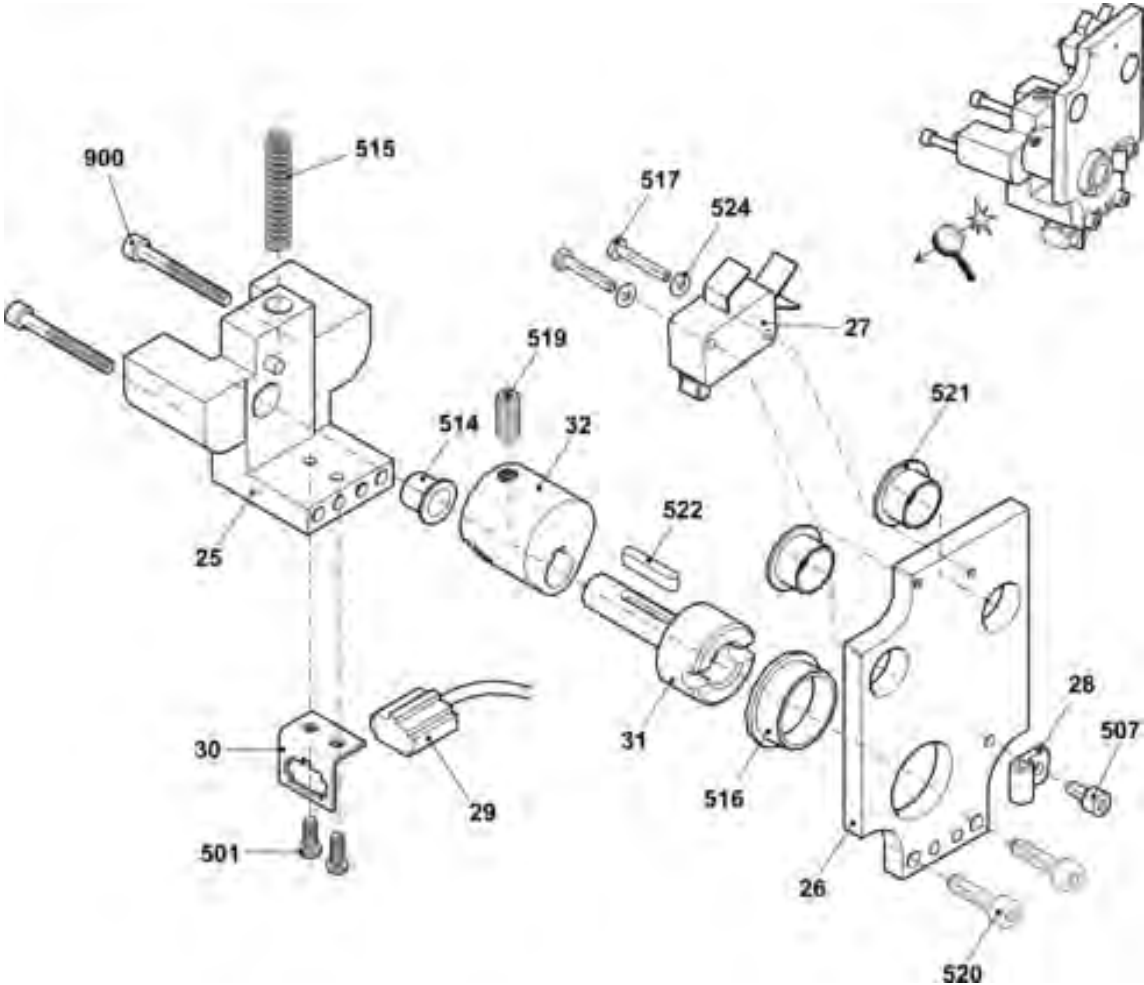
7.1.1.3 Left bearing of the auxiliary take-down

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Bearing on the left	236 894		22	Timing belt pulley	237 043
14	Drive bearing	237 422		23	Toothed beltHPS5M NG CLEAN	237 118
15	Cover plate	236 970		505	Grooved ball bearing 61900-2RS1	023 714
16	Cover plate	237 037		506	Needle roller bearing 10x14x10	023 664
17	Bolts	236 964		507	Cap screw M4x8	022 501
18	Bolts	236 963		508	Countersunk screw M4x12	023 062
19	Gear wheel	236 914		509	Retaining ring10x1	020 950
20	Gear wheel	236 916		510	Spring dowel sleeve 3x18	237 059
21	Gear wheel	236 917		900	Cap screw M5x35	022 879



7.1.1.4 Right bearing of the auxiliary take-down

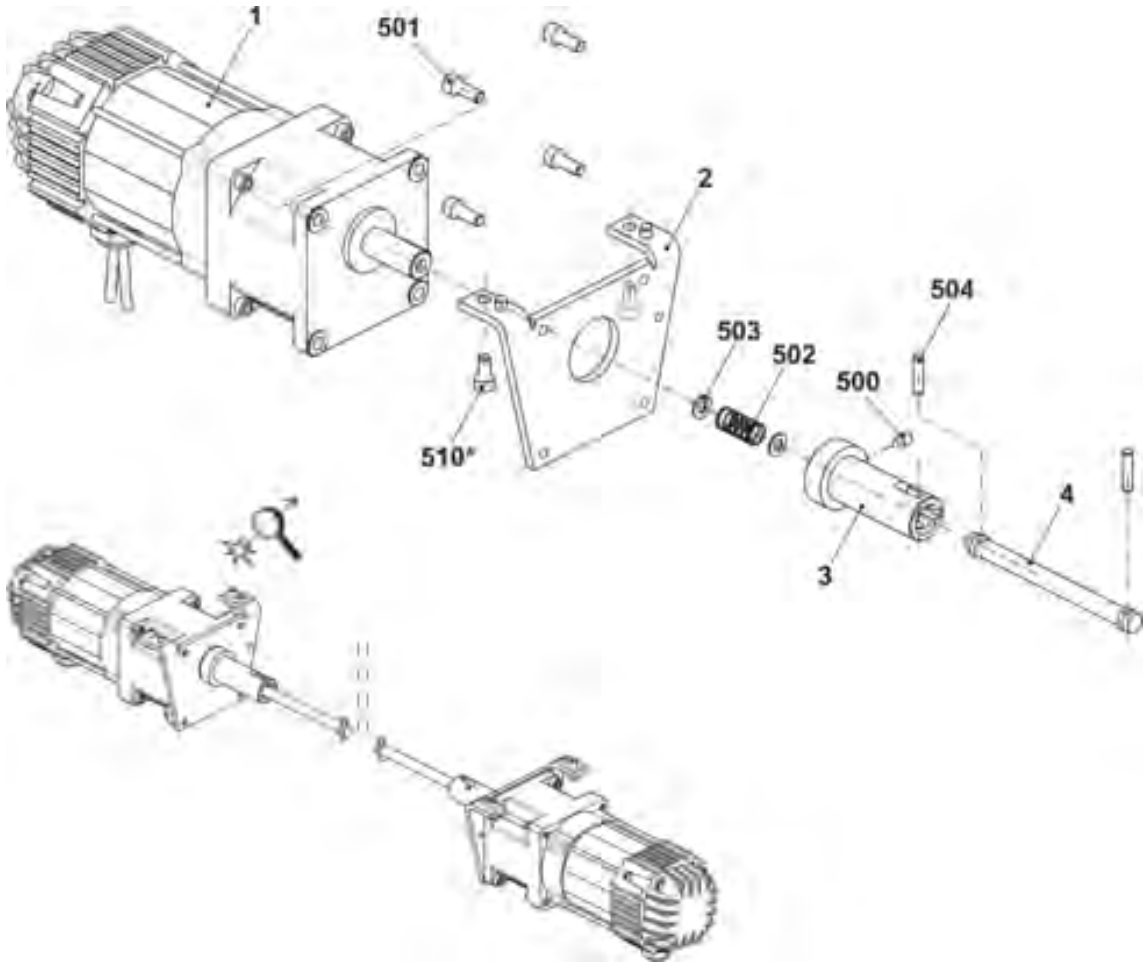
Pos	Designation	Id		Pos	Designation	Id
Σ	Bearing on the right	235 353				
25	Bearing on the right	237 520		514	Slide bearing GFM-101216-09	023 356
26	Plate	235 168		515	Compression spring 1,6x6,4x27,1	023 288
27	Microswitch	026 259		516	Slide bearing GFM-2427-07	023 712
28	Cable clip N-3B 5mm	210 729		517	Hexagon screw M3x16	237 058
29	Cable switch HIAB St468	235 027		519	Setscrew M6x12	023 724
30	Sheet metal for plug	236 068		520	Cap screw M5x16	022 726
31	Wave	235 159		521	Slide bearing GFM-1517-09	235 342
32	Eccentric	235 165		522	Feather key A 4x4x20	235 349
501	Pan-head screw M4x8	023 579		524	Washer3	020 877
507	Cap screw M4x8	022 501		900	Cap screw M5x35	022 879



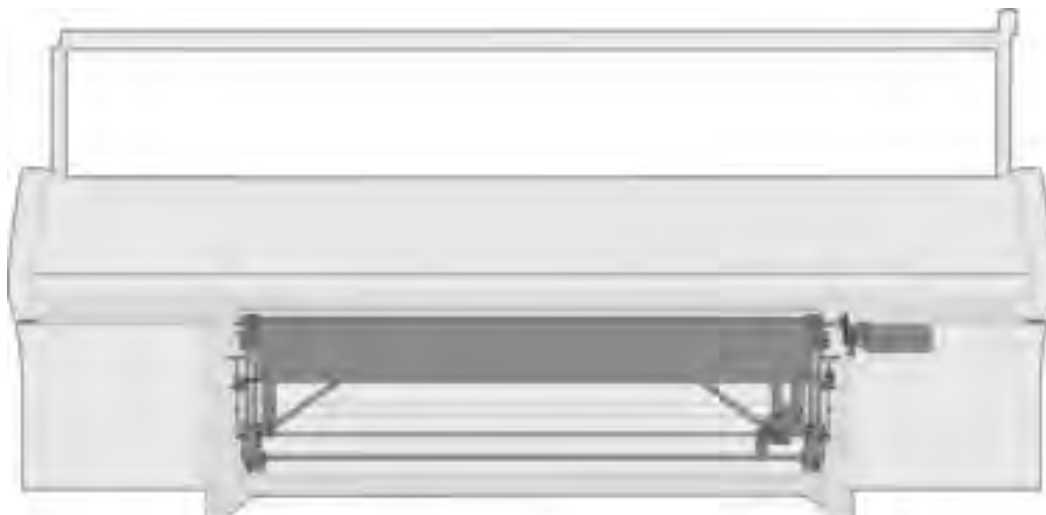
7.1 Auxiliary take-down

7.1.2 Motor

Pos	Designation	Id		Pos	Designation	Id
Σ	Motor with 2 phases auxiliary take-down complete	235 602				
1	Motor 1,8NM 30MIN-1	234 805		501	Cap screw M6x16	020 135
2	Motor bracket	235 276		502	Compression spring 0,63x10,97x40	023 500
3	Drive sleeve	235 285		503	Shim ring 6x12x1	023 444
4	Shaft	235 300		504	Dowel pin 5x22-A-ST	023 716
500	Setscrew M6x10	023 543		510*	Cap screw M6x12	020 134

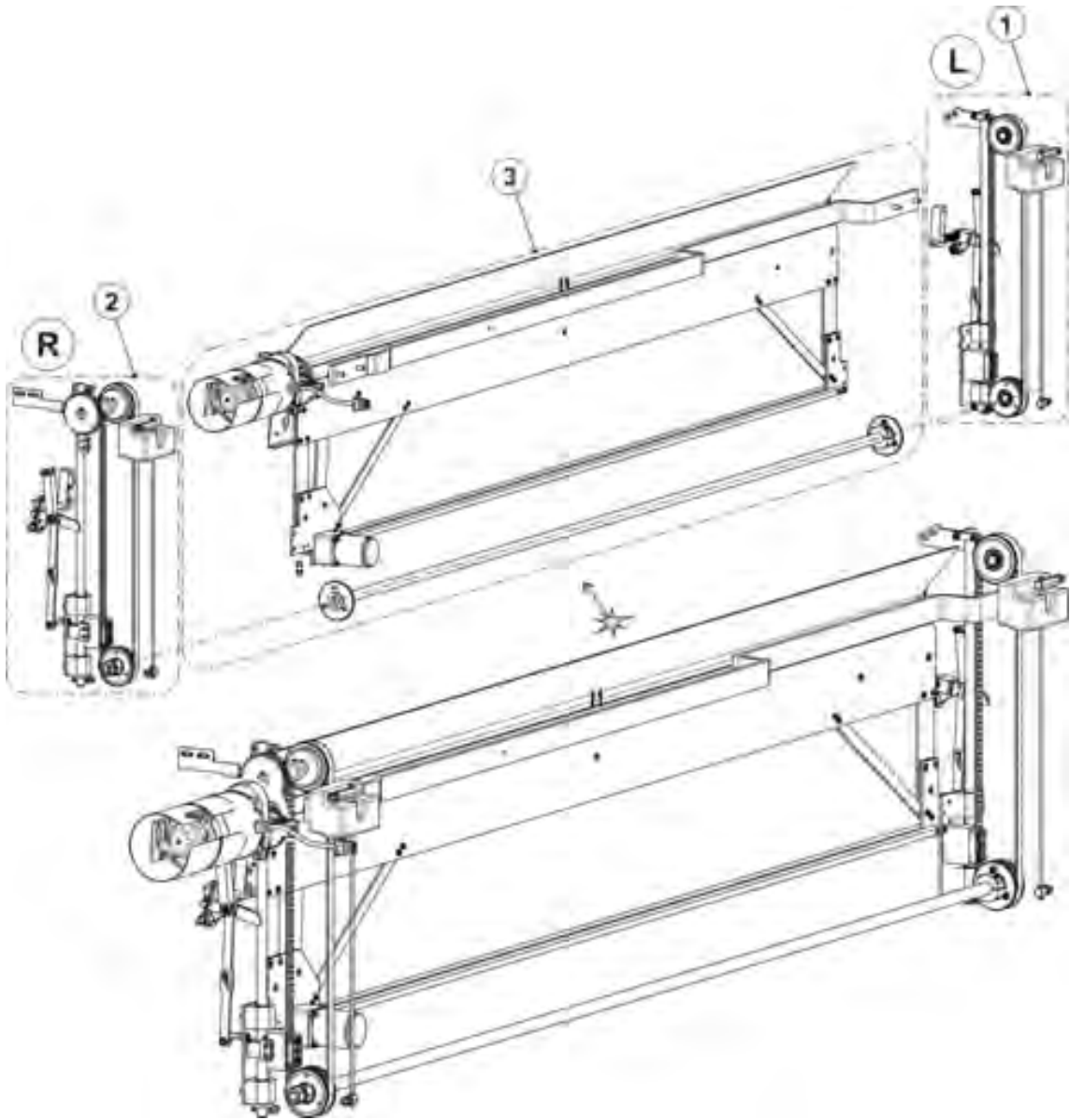


8 Comb take-down



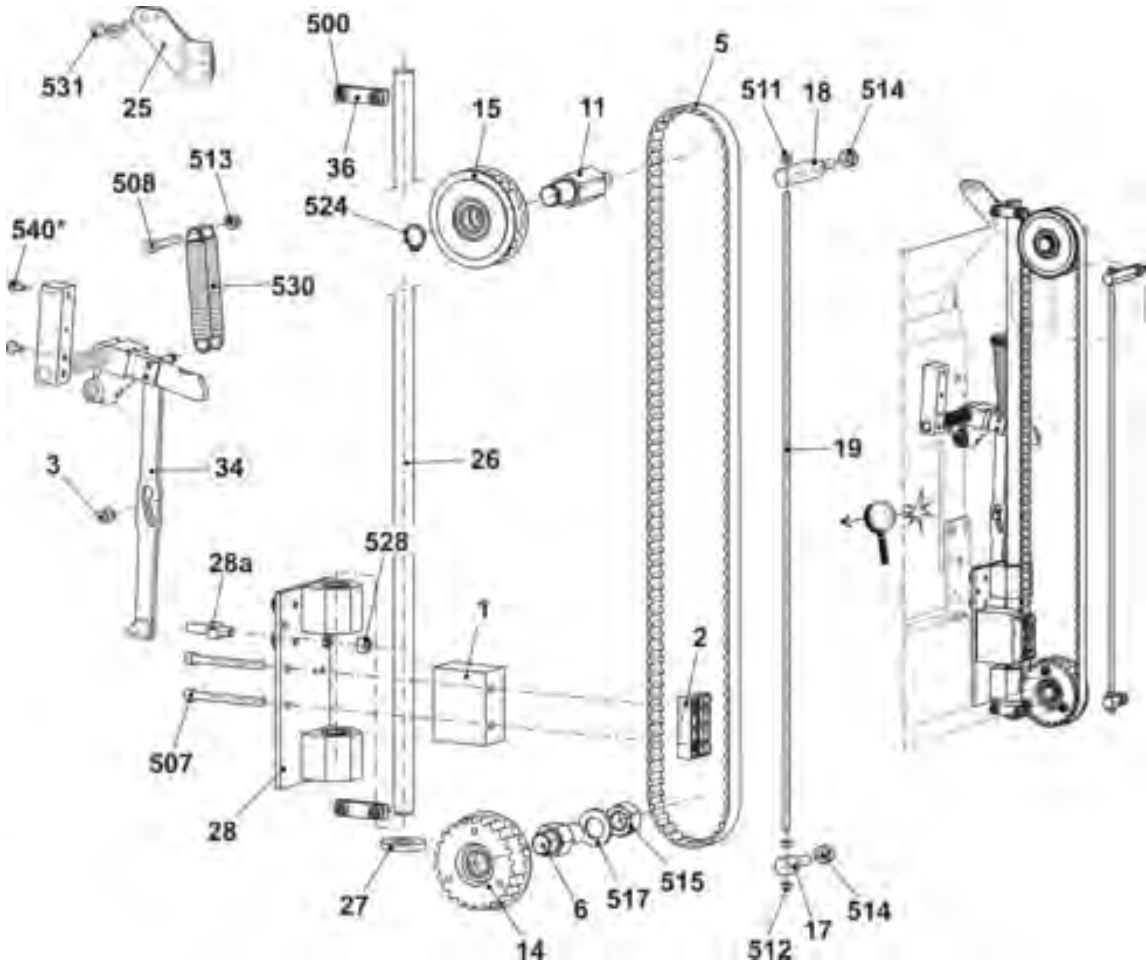
8.1 Comb take-down

Pos	Designation	ID		Pos	Designation	ID
Σ	Comb take-down					
1	Comb take-down on the left	261 815		3	Comb take-down in the middleE7.2	255 151
2	Comb take-down on the right	256 839			Comb take-down in the middleE7.2	255 152



8.1.1 Comb take-down on the left

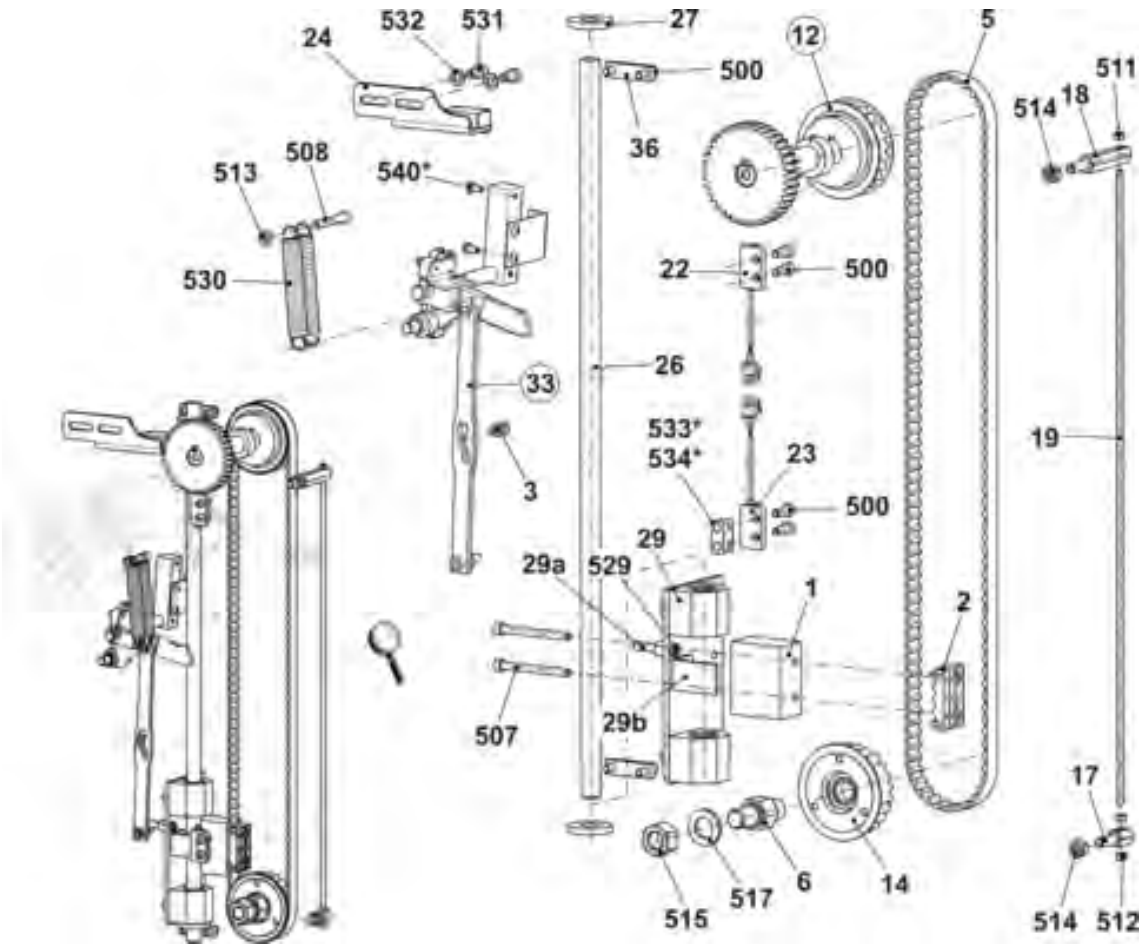
Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Comb take-down on the left	261 815			
1	Clamping piece	209 379		528 Hexagon nut M8-6	020 838
2	Pressure plate	241 967	34	Swivel lever on the left	252 859
3	Bolts	222 152	36	Clamping plate	227 159
5	Toothed belt16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
11	Bolts	207 689	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
15	Toothed lock washer at the top complete	211 823	512	Hexagon nut M5-6	020 835
17	Stay bolt	222 315	513	Hexagon nut M6-6	020 836
18	Stay bolt	240 056	514	Hexagon nut M8-6	020 838
19	Threaded rod M5	240 057	515	Hexagon nut M16-6	020 845
25	Reflector complete	261 374	517	Washer16	020 876
26	Guide bar C35	206 560	524	Retaining ring17x1	023 299
27	Rubber buffer	206 561	530	Tension spring Din2097 15x1,50x70,94	251 614
28	Comb guide on the left	255 425	531	Cap screw M6x12	020 134
28a	Driving bolt	255 427	540*	Pan head screw M5x10	023 247



8.1 Comb take-down

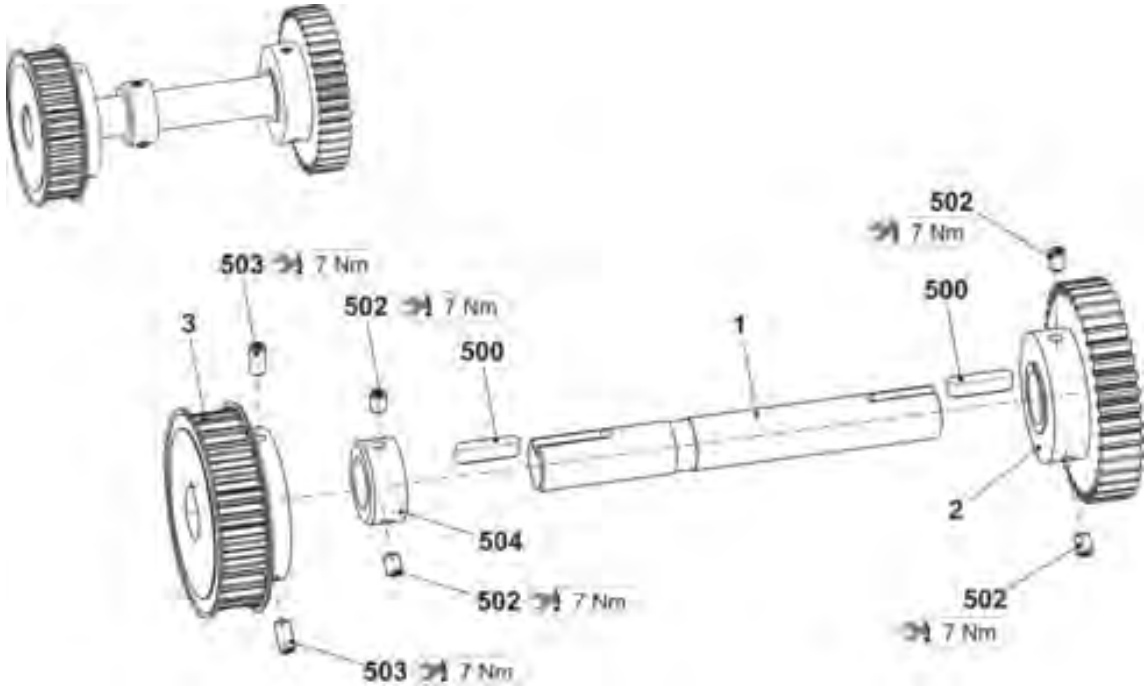
8.1.2 Comb take-down on the right

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Comb take-down on the right	256 839				
1	Clamping piece	209 379		529	Hexagon nut M8-6	020 838
2	Pressure plate	241 967		33	Swivel lever on the right	252 858
3	Bolts	222 152		36	Clamping plate	227 159
5	Toothed belt16T10/1300	240 065		500	Cap screw M6x16	020 135
6	Eccentric pin	222 320		507	Cap screw M6x65	240 162
12	Drive shaft comb complete	214 583		508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822		511	Hexagon nut M5-8	023 541
17	Stay bolt	222 315		512	Hexagon nut M5-6	020 835
18	Stay bolt	240 056		513	Hexagon nut M6-6	020 836
19	Threaded rod M5	240 057		514	Hexagon nut M8-6	020 838
22	Proximity switch inductive at the top	231 516		515	Hexagon nut M16-6	020 845
23	Proximity switch inductive at the bottom	231 520		517	Washer16	020 876
24	Holding angle light barrier	257 409		530	Tension spring 15x1,50x70,94	251 614
26	Guide bar C35	206 560		531	Cap screw M6x12	020 134
27	Rubber buffer	206 561		532	Washer6	020 872
29	Comb guide on the right	255 424		533*	Shim0,2x12x27	023 735
29a	Driving bolt	255 427		534*	Shim0,5x12x27	023 736
29b	Angle	240 112		540*	Pan head screw M5x10	023 247



8.1.2.1 Drive shaft of comb

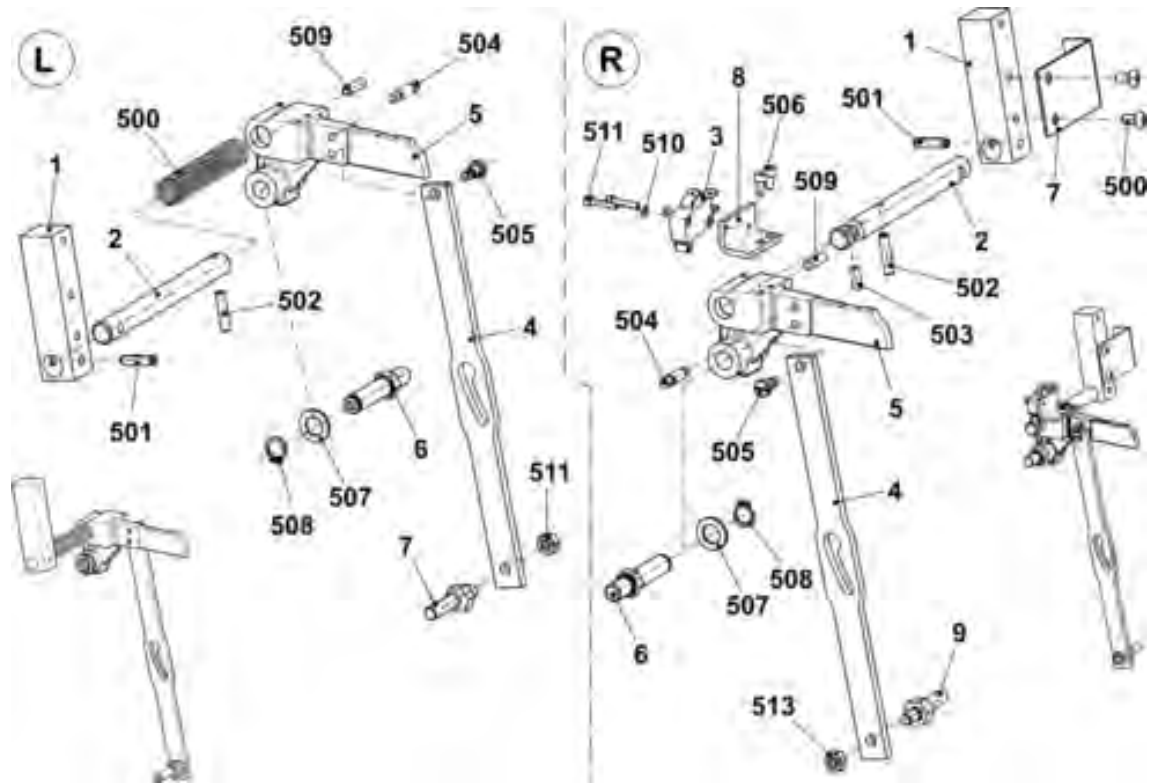
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive shaft comb complete	214 583				
1	Shaft	213 969		500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744		502	Setscrew M6x8	022 684
	Always order position 502 additionally			503	Setscrew M6x12	023 898
3	Toothed belt pulley at the top	206 394		504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



8.1 Comb take-down

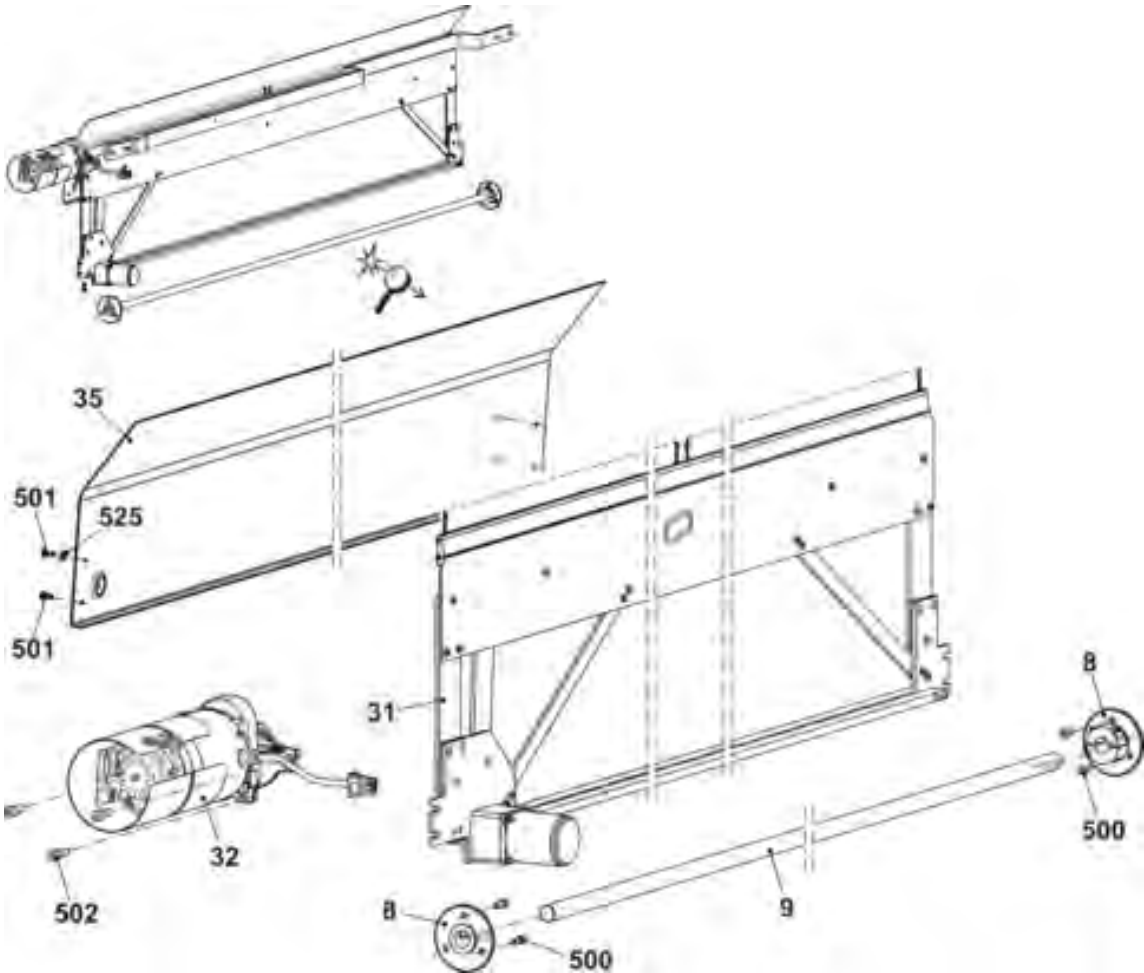
8.1.2.2 Swivel lever comb take-down

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ L	Swivel lever on the left	252 859		3	Microswitch	026 259
1	Support	252 780		4	Plunger	255 650
2	Wave	223 994		5	Swivel lever	239 248
4	Plunger	255 650		6	Bolts	214 053
5	Swivel lever	239 248		7	Angle	224 009
6	Bolts	214 053		8	Angle	238 304
7	Eccentric bolt	255 651		9	Eccentric bolt	255 651
500	Compression spring 1,4x13,6x93	023 572		500	Pan head screw M5x10	023 247
501	Spring dowel sleeve Iso8752-5x20	020 794		501	Spring dowel sleeve 5x20	020 794
502	Dowel pin5x22	023 716		502	Dowel pin5x22	023 716
504	Shoulder screwM5x29x35	251 618		503	Spring dowel sleeve 5x12	020 793
505	Shoulder screw M5x5,8x6,2	023 365		504	Shoulder screwM5x29x35	251 618
507	Washer10	020 884		505	Shoulder screw M5X5,8X6,2	023 365
508	Retaining ring	020 950		506	Cap screw M4x8	022 501
509	Shoulder screw M5x12x18	020 539		507	Washer10	020 884
511	Hexagon nut M8-6	020 838		508	Retaining ring10x1	020 950
				509	Shoulder screwM5x12X18	020 539
Σ R	Swivel lever on the right	252 858		510	Cap screw M3x16	022 583
1	Support	252 780		511	Washer3	020 877
2	Wave	238 339		513	Hexagon nut M8-6	020 838



8.1.3 Comb take-down in the middle

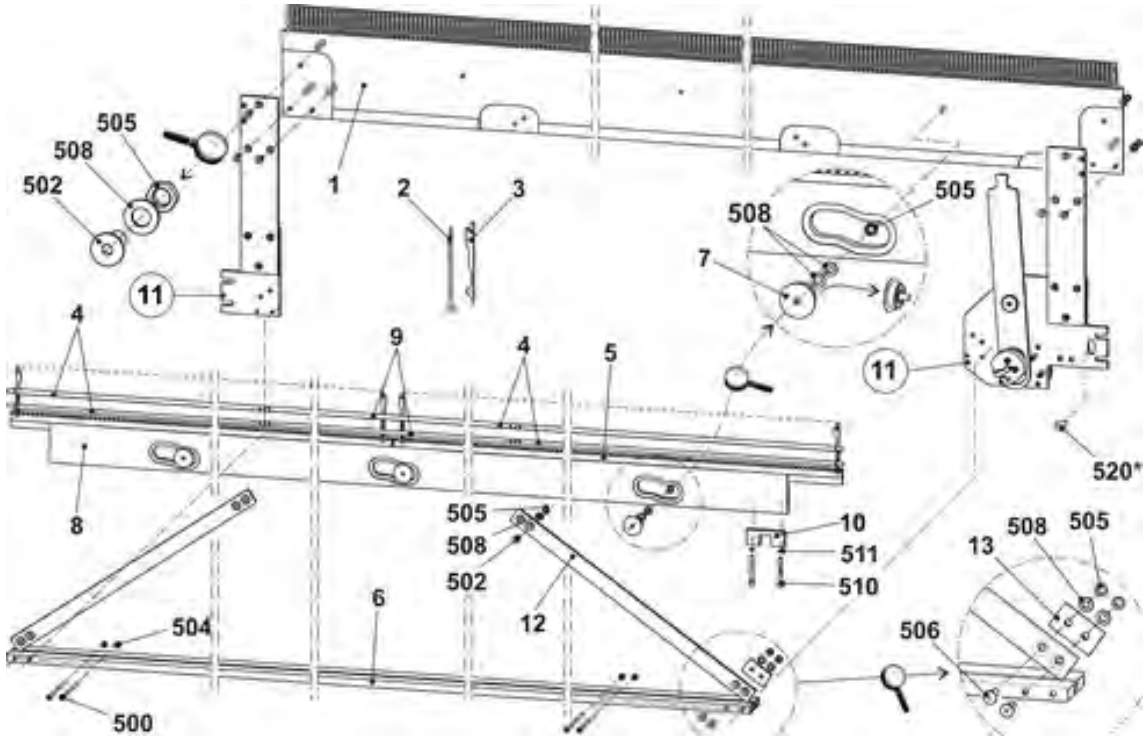
Pos	Designation	ID		Pos	Designation	ID
Σ	Comb take-down in the middle E7.2	255 151		31	Comb unit E7.2	254 542
	Comb take-down in the middle E9.2	255 152			Comb unit E9.2	254 541
8	Flange	207 695		32	Motor take-down unit complete	253 803
9	Shaft long	254 539		35	Marking plate open	254 540
500	Cap screw M6x16	020 135		502	Cap screw M8x25	020 142
501	Pan-head screw M5x10	023 247		525	Serrated lock washer J5,3	022 489



8.1 Comb take-down

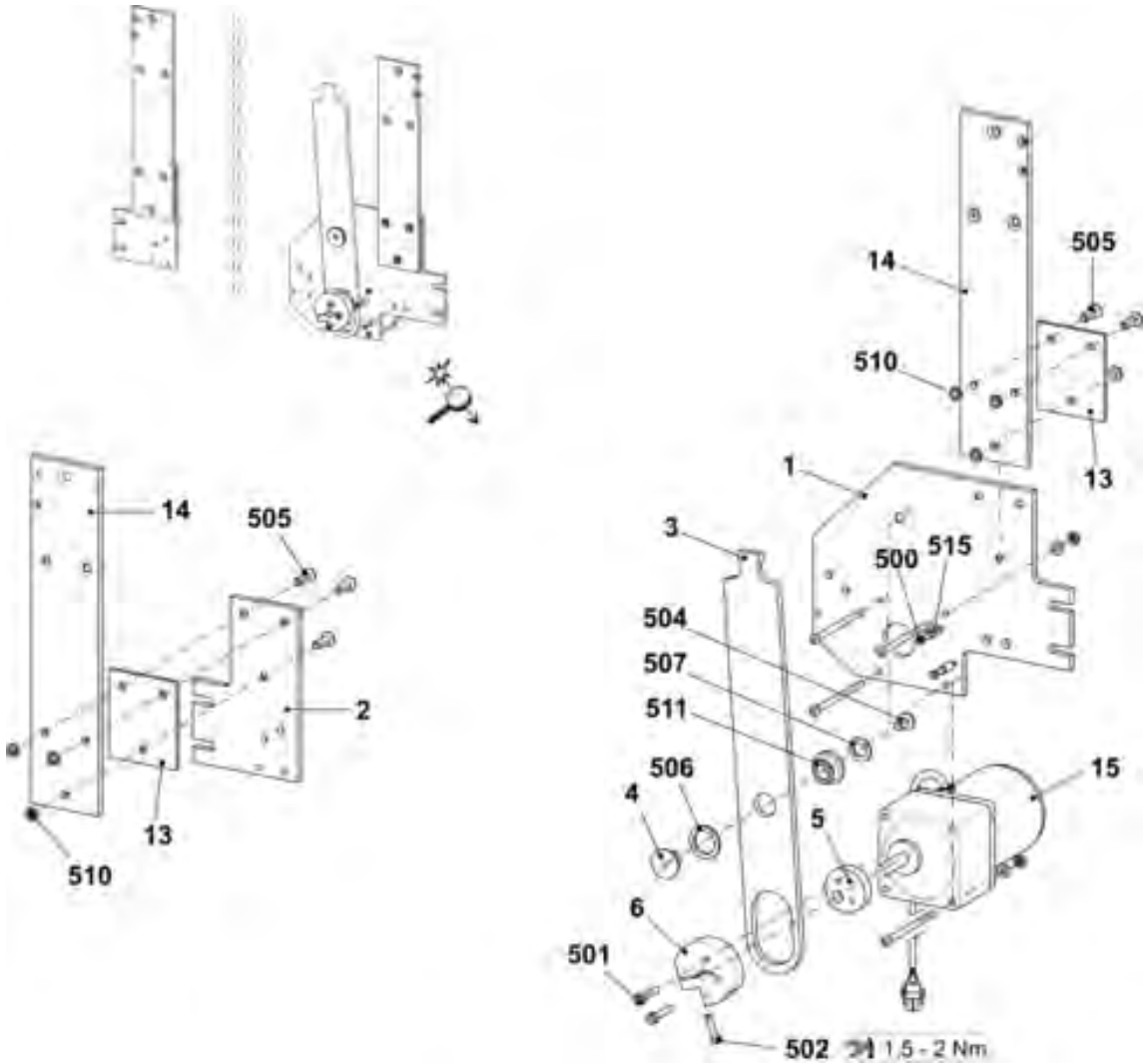
8.1.3.1 Comb unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb unitE7.2	254 542			
	Comb unitE9.2	254 541	9	Cover rail	254 820
1	Hook bedE7.2	254 563	10	Plunger	205 678
	Hook bedE9.2	254 562	11	Switching lever complete	235 690
2	CloserE7.2	232 771	12	Intermediate plate	218 742
	CloserE9.2	240 619	13	Stabilizer	254 818
3	BodyE7.2	232 772	500	Cap screw M4x50	023 102
	BodyE9.2	240 620	502	Countersunk head screw M5x12	023 340
4	Cover rail	213 428	504	Hexagon nut M4-8	023 046
5	Hook sliderE7.2	254 668	505	Hexagon nut M5-04	020 854
	Hook sliderE9.2	254 666	508	Washer5-200	020 871
6	Strut	218 740	510	Cap screw M4x30	023 290
7	Collar bolt complete	211 036	511	Circlip	022 774
8	Cross slider	254 601	512	Countersunk screw M5x16	023 417



8.1.3.1.1 Switching lever comb take-down

Pos	Designation	ID		Pos	Designation	ID
Σ	Switching lever complete	240 060		500	Cap screwM3x25	023 093
1	Screw-on plate on the right	240 058		501	Cap screwM4x20	023 171
2	Screw-on plate on the left	240 059		502	Cap screwM4x16	023 123
3	Lever	215 228		504	Pan-head screw M6x12	023 435
4	Bearing bolt	215 675		505	Pan-head screw M5x16	023 417
5	Eccentric	205 681		506	Shim ring 16x22x2	023 449
6	Tension cam	215 287		507	Shim ring 10x16x1	023 260
13	Intermediate plate	213 980		510	Hexagon nut M5	020 854
14	Holding plate	218 977		511	Collar bearing 10x16x22	022 841
15	Motor comb hook with 2 phases	244 635		515	Threaded spacer	210 488



Notes:

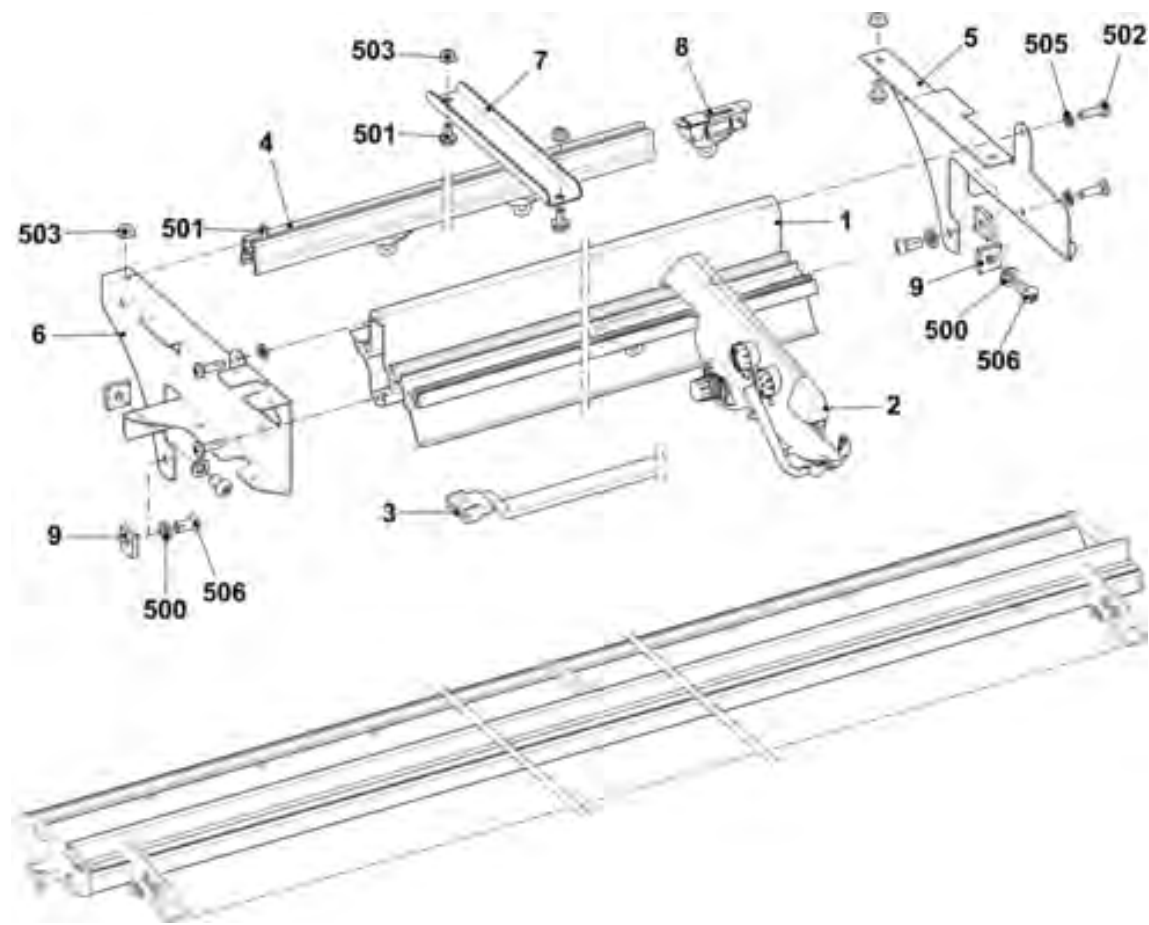
9 Yarn delivery device



9.1 Yarn guide system with 20 FKE

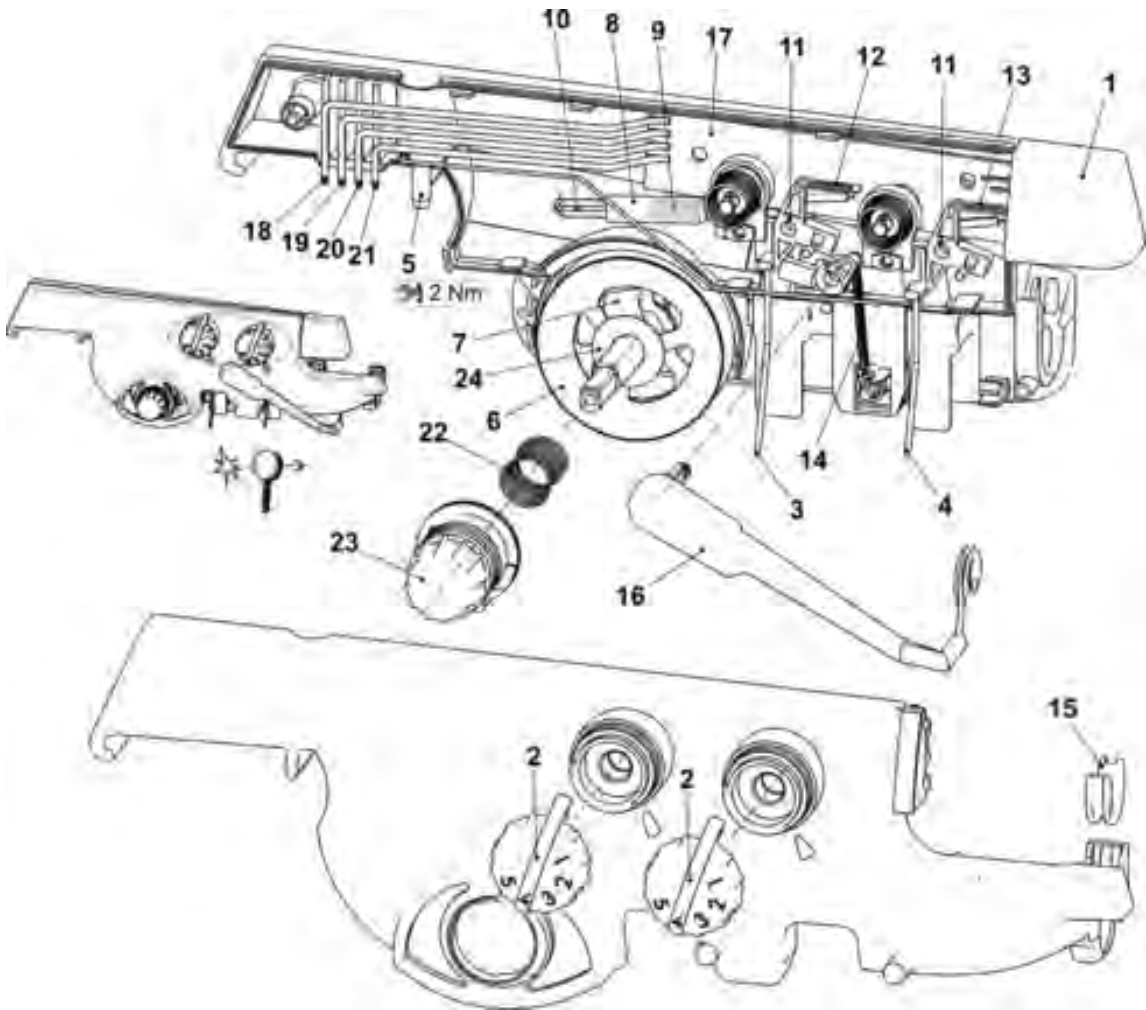
9.1 Yarn guide system with 20 FKE

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn guide device 20 FKE 84"	255 517		8	Yarn guide bracket complete	241 581
1	Support 84"	243 112		9	Slot nut	228 851
2	Yarn control device(FKE)	237 124		500	Serrated lock washer	023 388
3	Connection cable FKE-3 84"	240 349		501	Self-locking screw M6x12	023 415
4	Yarn guide bar	236 932		502	Screw M6x20	023 721
5	Support on the right	243 601		503	Serrated nut M6-10	023 414
6	Support on the left	243 600		505	Washer6-200	022 431
7	Support	243 792		506	Pan-head screw M8x16	023 113



9.2 Yarn control device

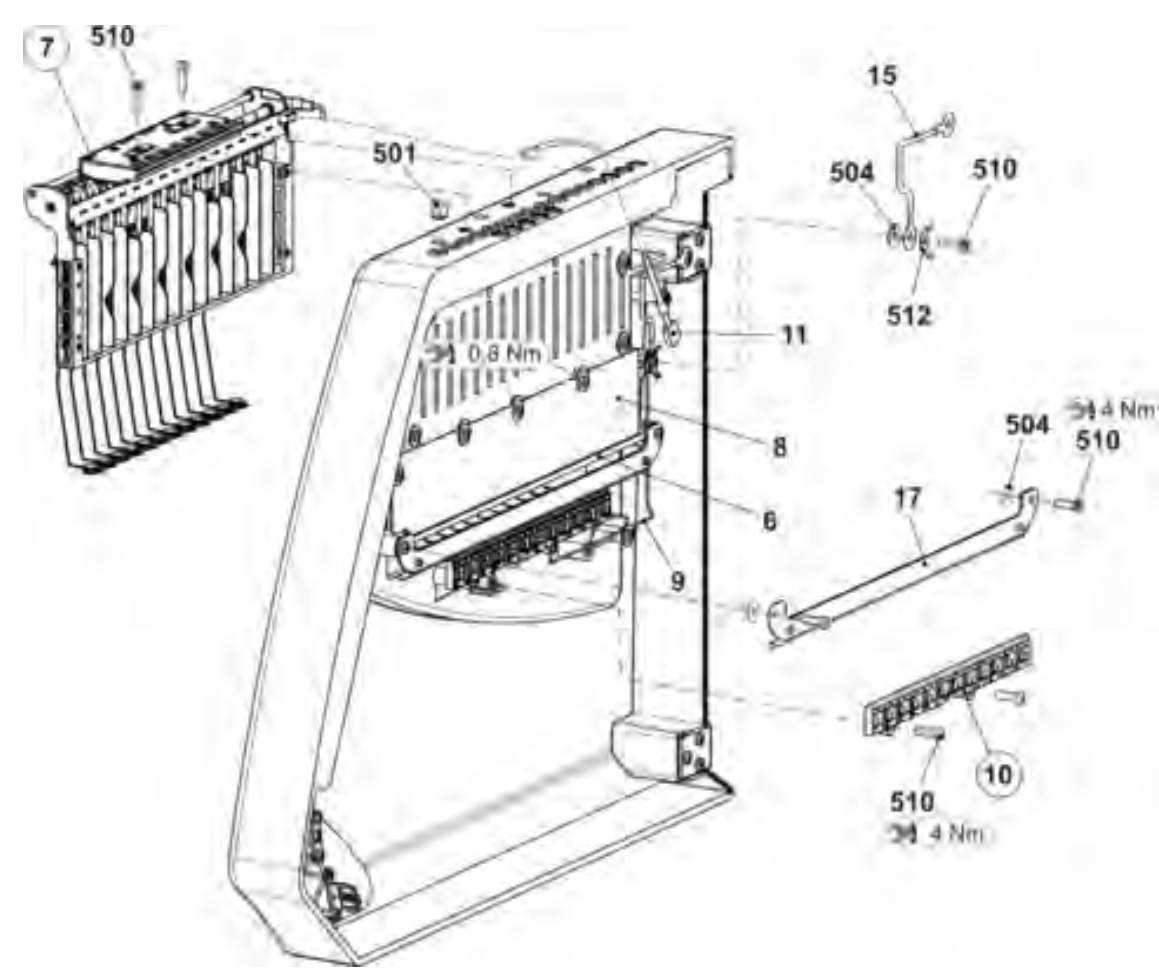
Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn control device	237 124			
1	Lamp cap	251 166	13	Tension spring	253 040
2	Turning knob	251 167	14	Tension spring	253 041
3	Knot detector for large knots	251 168	15	Ceramic eyelet open	240 733
4	Knot detector for mall knots	251 169	16	Stop bow	253 043
5	Screw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



9.3 Left yarn guide

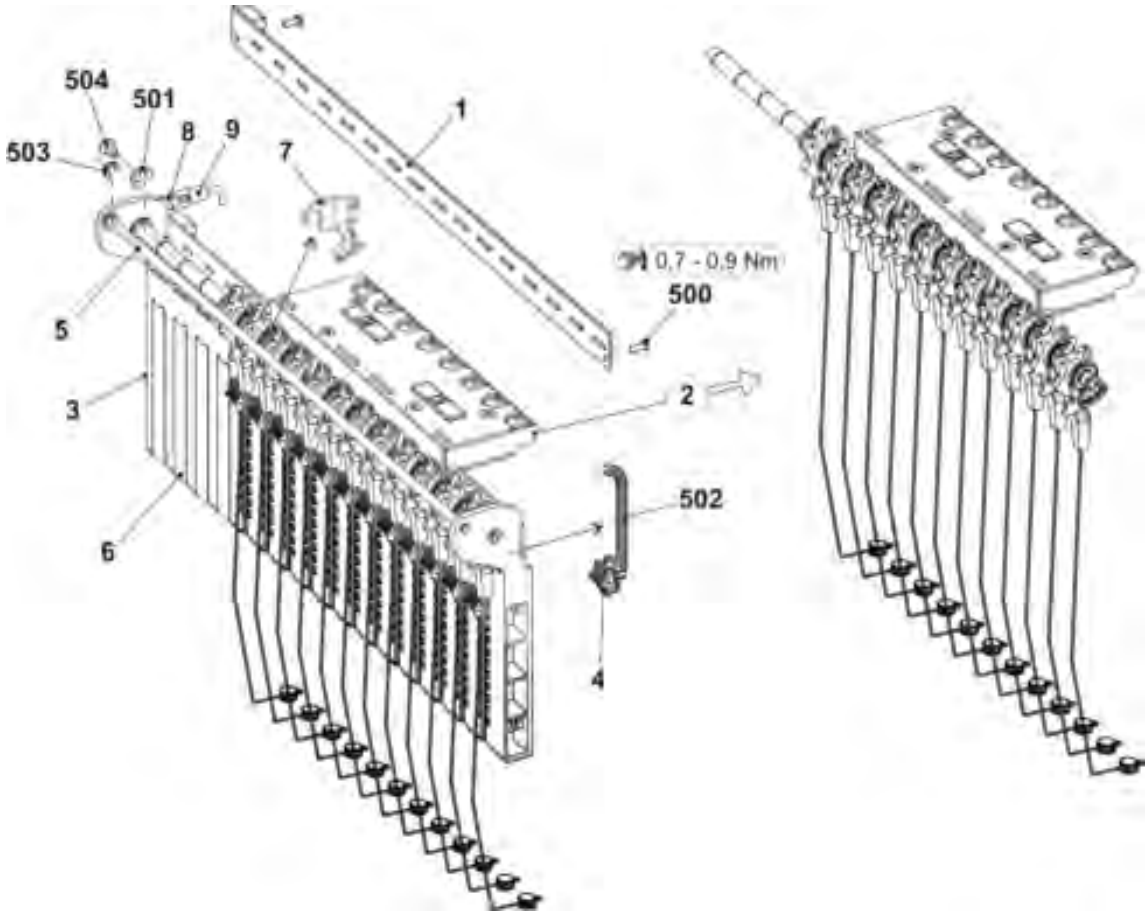
9.3 Left yarn guide

Pos	Designation	Id		Pos	Designation	Id
Σ	Safety door on the left complete E10-18	241 273				
6	Shaft	241 318		15	Ground cable	244 404
7	Yarn tensioner on the left complete E10-18	241 365		17	Stop bar on the left complete	258 454
8	Cover plate 16-fold	259 400		501	Ceramic eyelet	240 640
9	Wire bow on the left	241 370		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



9.3.1 Left yarn tensioner

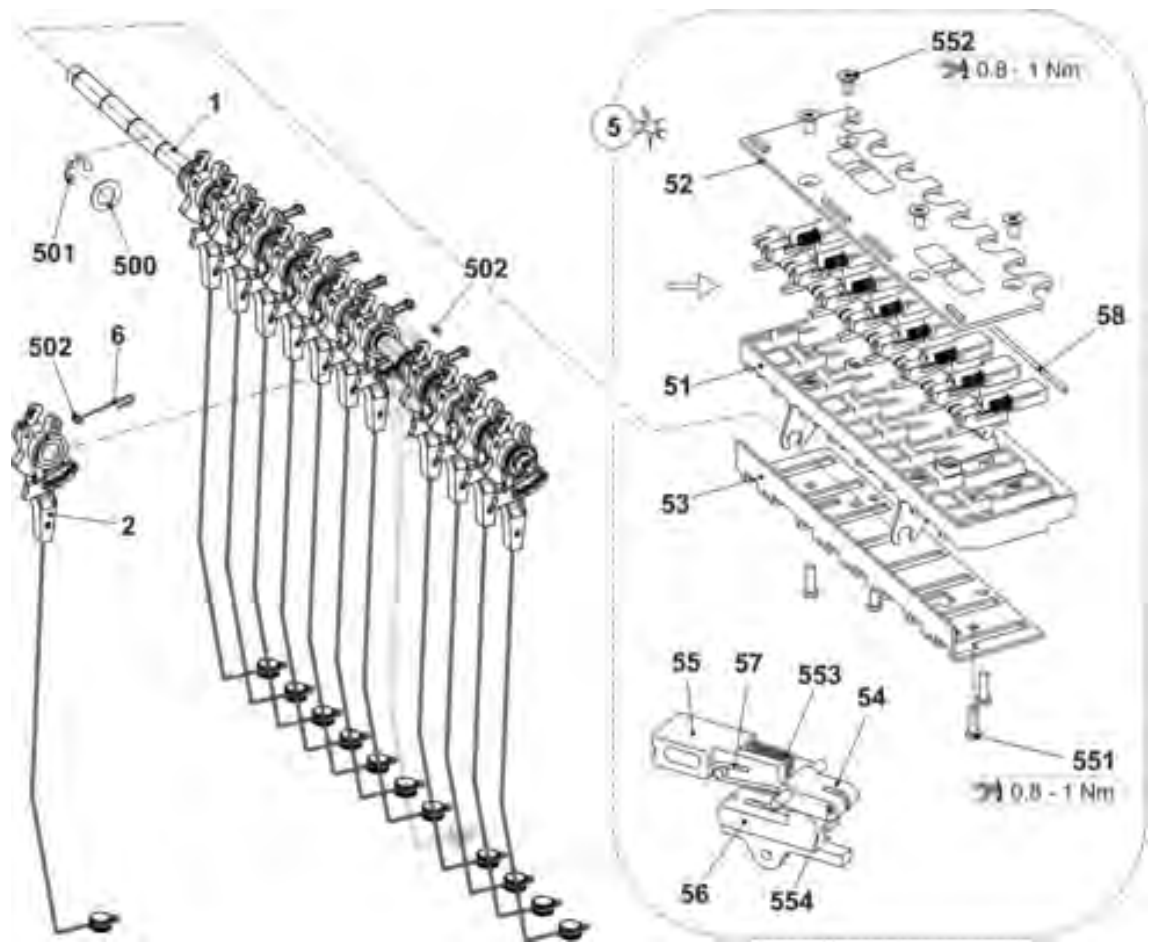
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the left complete E10-18	241 365				
1	Card yarn tensioner 16-fold on the left	241 345		8	Grounding plate of tension axle	243 121
2	Tension axle on the left complete E10-18	241 381		9	Ground cable yarn tensioner okc	243 105
3	Housing	241 367		500	Screw KB 30x8	236 228
4	Slider	241 694		501	Circlip	021 022
5	Stop point	241 368		502	Tension spring 4,9x0,45x53	023 504
6	Border	242 268		503	Circlip	021 020
7	Spacer	242 048		504	Countersunk screw M4x10	241 914



9.3 Left yarn guide

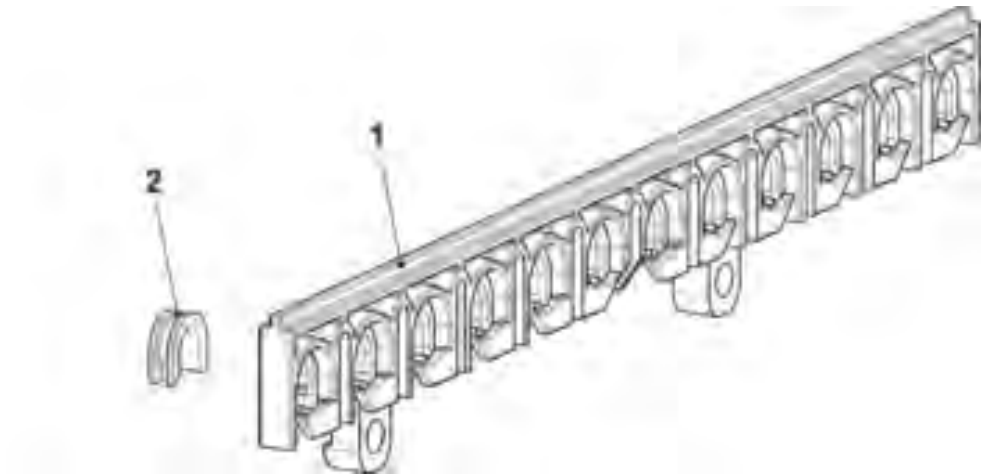
9.3.1.1 Left tension axle

Pos	Designation	ID		Pos	Designation	ID
Σ	Tension axle on the left complete E10-18	241 381		53	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107		54	Lever AKF	238 692
2	Tension arm pre-assembledE10-18	258 459		55	Pressure piece AKF	238 690
6	Wire bow	238 694		56	SliderAKF	238 691
500	Shim ring 8x14x0,5	023 501		57	Wire bow	238 694
501	Circlip	021 022		58	Wire	237 940
502	Grooved pin 2x6	243 172		551	Screw KB 35x12	237 681
Σ 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



9.3.2 Yarn deflector

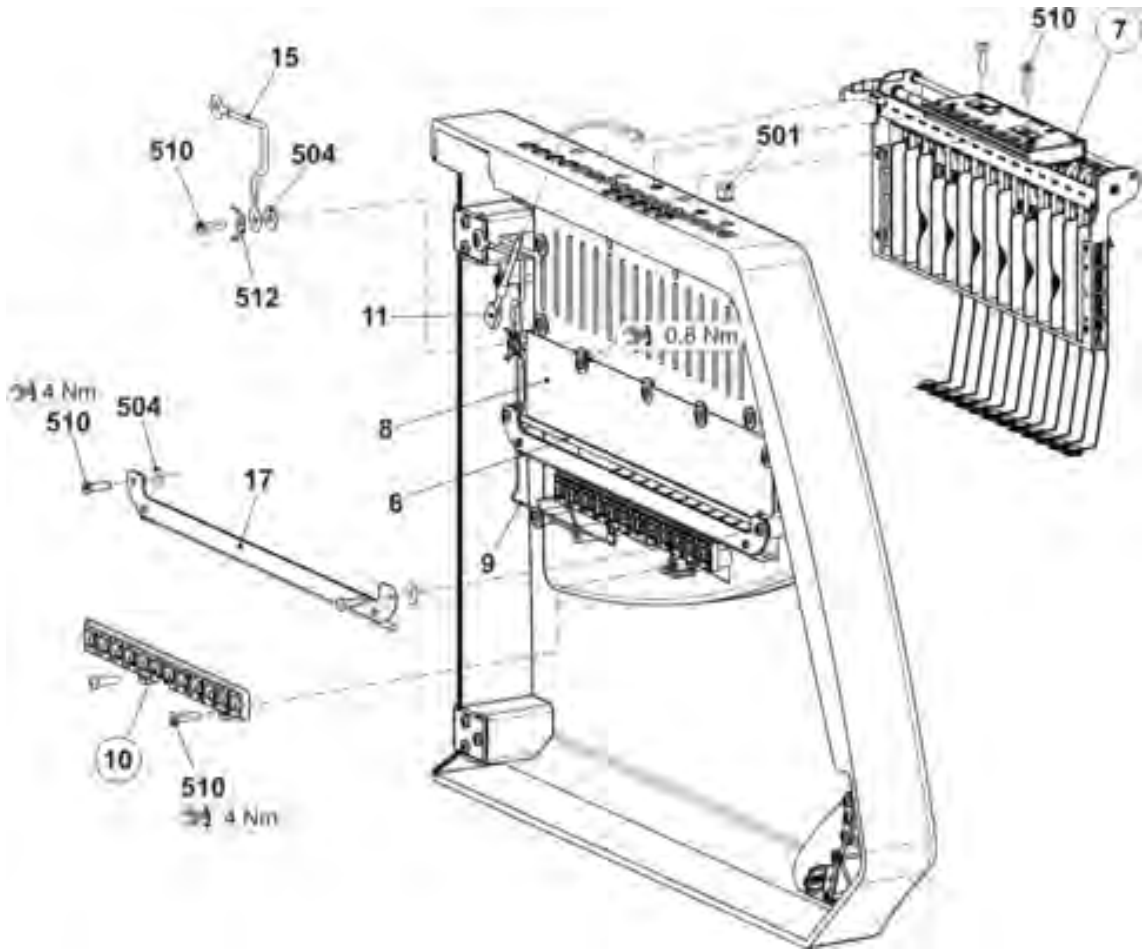
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn deflector	242 011				
1	Support of yarn deflector	242 009		2	Ceramic eyelet open	240 733



9.4 Right yarn guide

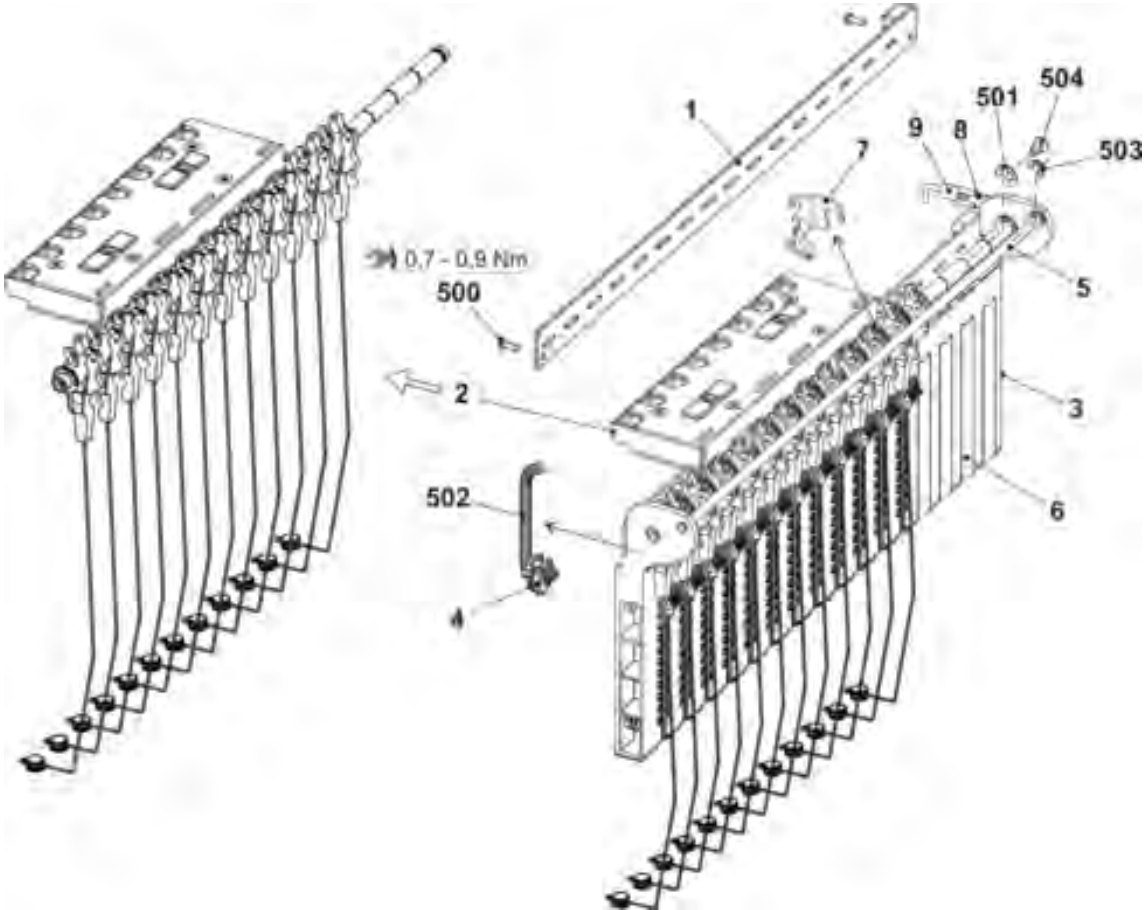
9.4 Right yarn guide

Pos	Designation	Id		Pos	Designation	Id
Σ	Safety door on the right complete E10-18	241 276				
6	Shaft	241 318		15	Ground cable	244 404
7	Yarn tensioner on the right complete E10-18	241 384		17	Stop bar on the right complete	258 562
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



9.4.1 Right yarn tensioners E10-18

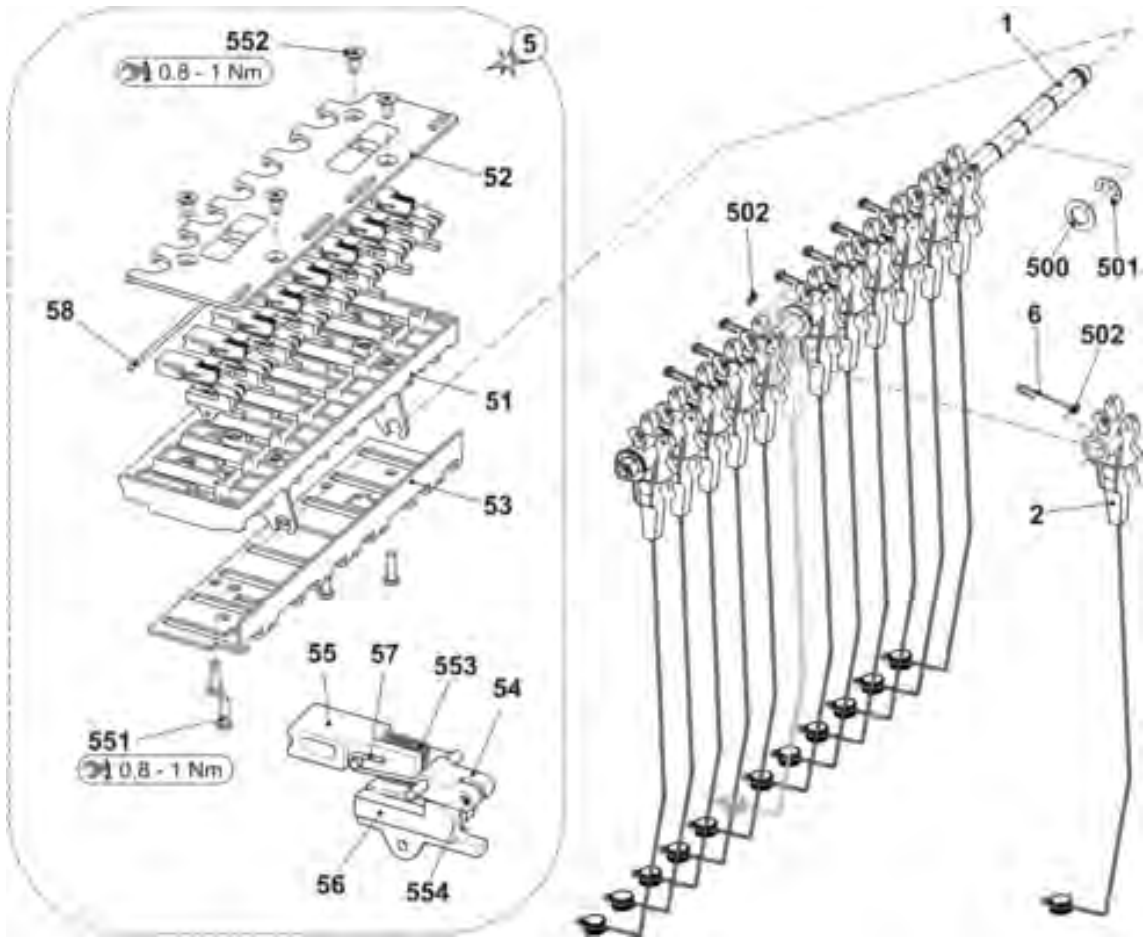
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn tensioner on the right complete E10-18	241 384				
1	Card yarn tensioner 16-fold on the right	241 346		8	Grounding plate of tension axle	243 121
2	Tension axle on the right complete	241 380		9	Ground cable yarn tensioner okc	243 105
3	Housing	241 367		500	Screw KB 30x8	236 228
4	Slider	241 694		501	Circlip	021 022
5	Stop point	241 368		502	Tension spring 4,9x0,45x53	023 504
6	Border	242 268		503	Circlip	021 020
7	Spacer	242 048		504	Countersunk screw M4x10	241 914



9.4 Right yarn guide

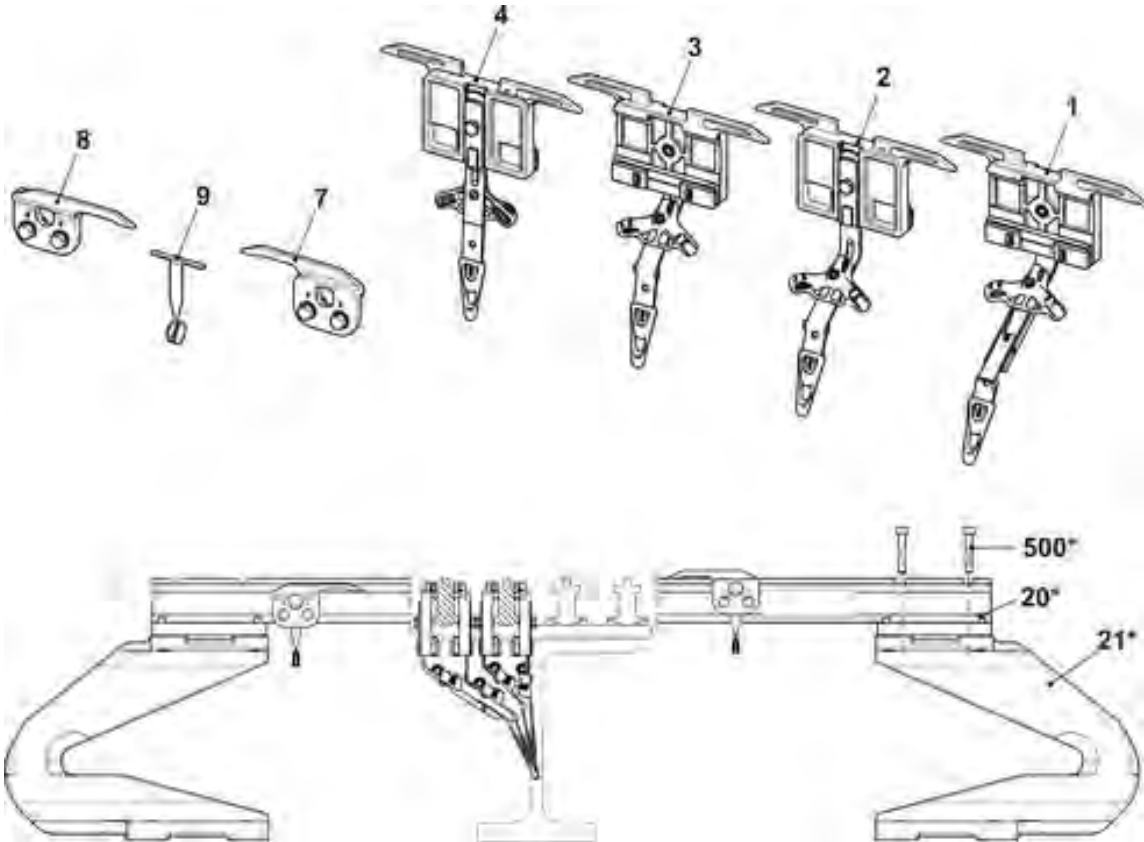
9.4.1.1 Right tension axle E10-18

Pos	Designation	ID	Pos	Designation	ID
Σ	Tension axle on the right completeE10-18	241 380	56	SliderAKF	238 691
1	Axle	243 107	57	Wire bow	238 694
2	Tension arm pre-assembledE10-18	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



9.5 Yarn carriers and yarn carrier rails

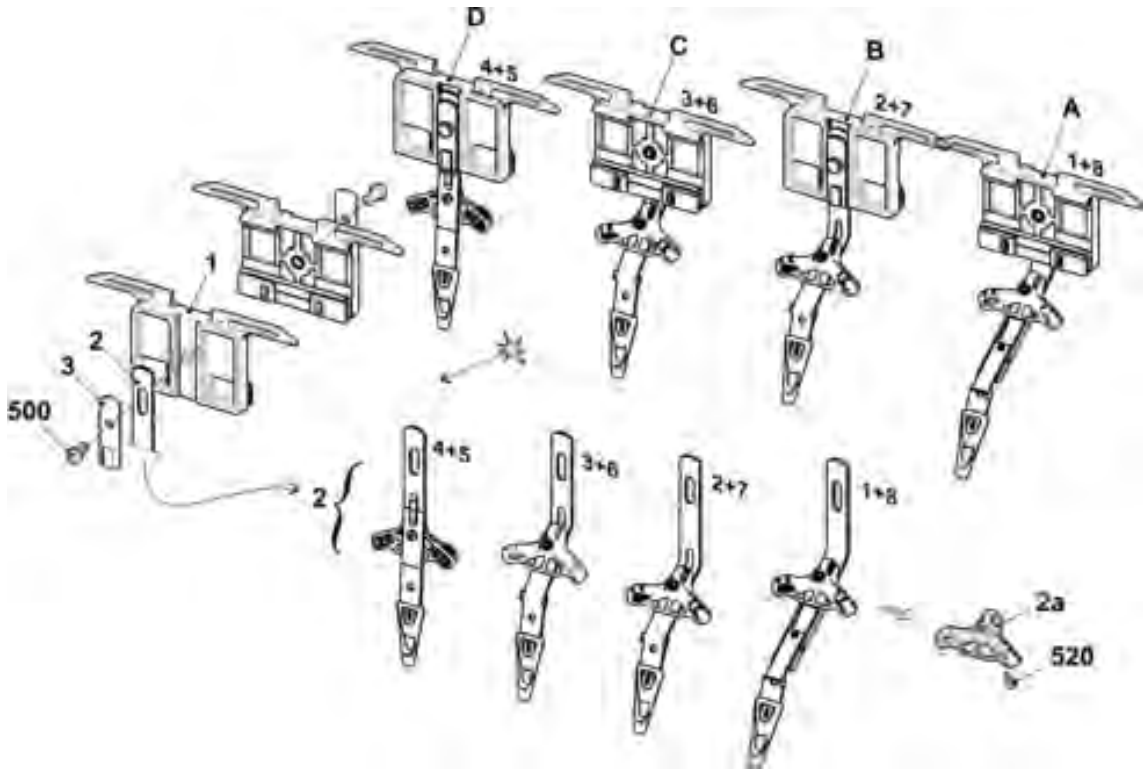
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn guide complete E7.2 E9.2	256 544		7	Limiter on the right complete	244 098
E7.2 + E9.2				8	Limiter on the left complete	244 099
1	FF carriage 1+8 complete	256 553		9	Slider with eyelet	230 709
2	FF carriage 2+7 complete	256 554		20*	Yarn carrier rail	255 467
3	FF carriage 3+6 complete	256 555		21*	FF support	253 674
4	FF carriage 4+5 complete	256 556		500*	Cap screw M6x35	020 139



9.6 Carriage of yarn carrier

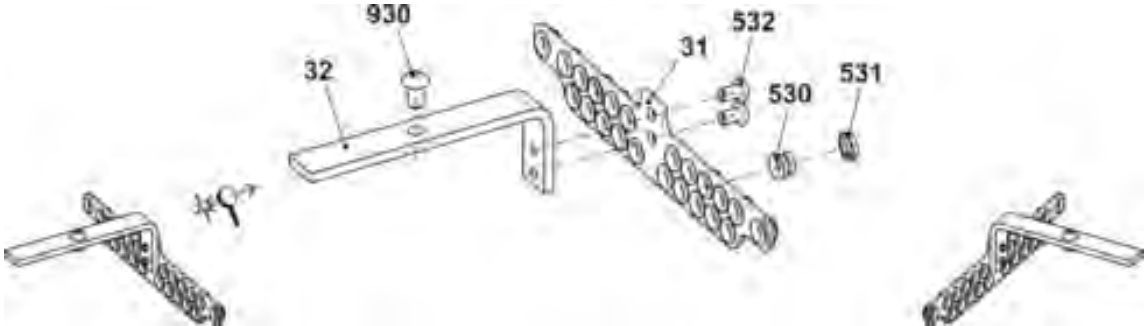
9.6 Carriage of yarn carrier

Pos	Designation	Id		Pos	Designation	Id
A	FF carriage 1+8 complete E7.2 E9.2	256 553			FF carriage 1+8 complete E7.2 E9.2	240 354
B	FF carriage 2+7 complete E7.2 E9.2	256 554			FF carriage 2+7 complete E7.2 E9.2	240 330
C	FF carriage 3+6 complete E7.2 E9.2	256 555			FF carriage 3+6 complete E7.2 E9.2	240 331
D	FF carriage 4+5 complete E7.2 E9.2	256 556			FF carriage 4+5 complete E7.2 E9.2	240 332
1	FF carriage complete	256 069		2a	Yarn guide star	242 013
3	Shim	213 035		520	Pan-head screw M3x10	023 032
500	Hexagon screw M5x10	020 351				



9.7 Yarn guide bracket

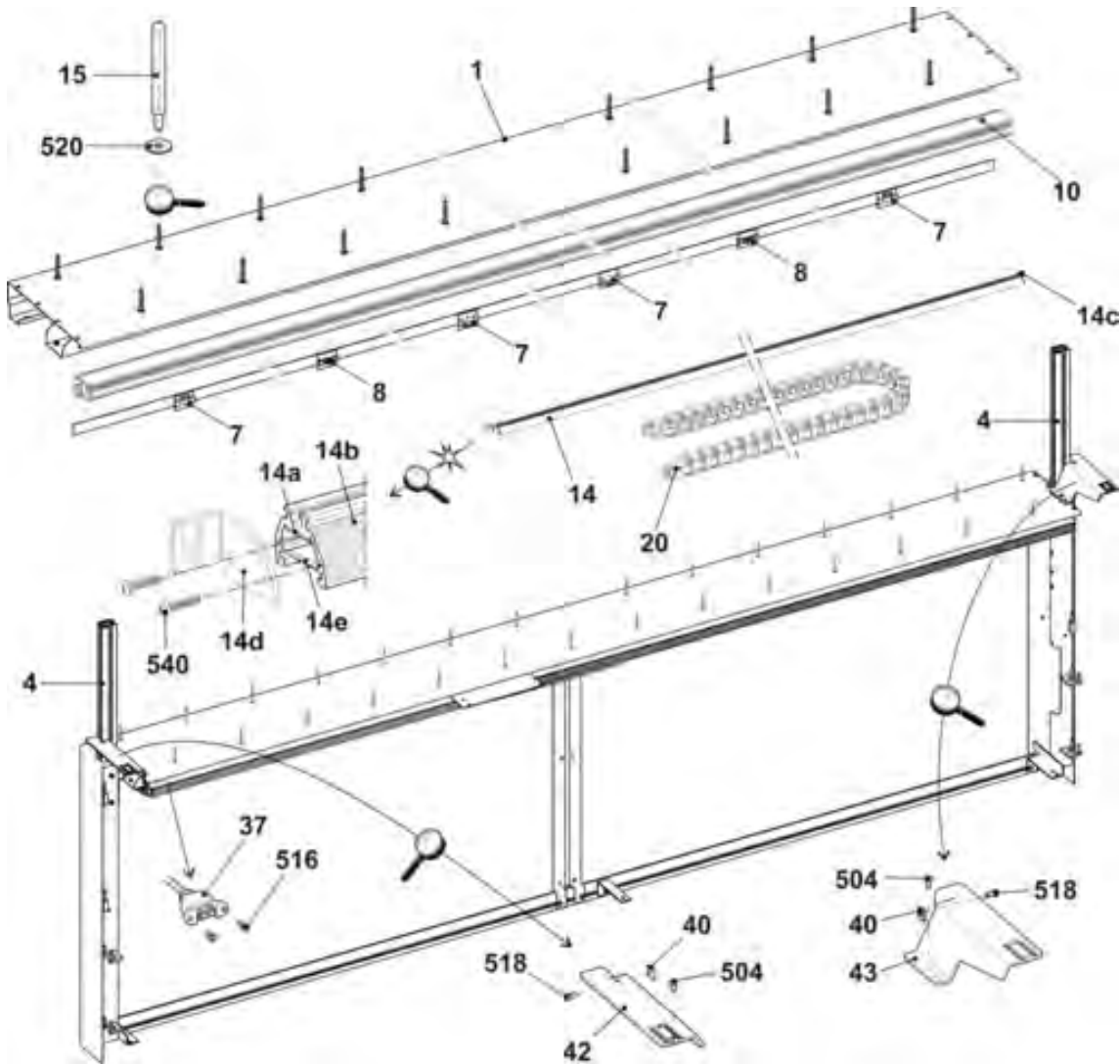
Pos	Designation	ID		Pos	Designation	ID
Σ	Yarn guide bracket complete	264 782				
31	Eyelet holder complete	264 781		531	Clamping ring	259 606
32	Holding angle	259 574		532	Pan-head screw M5x8	239 408
530	Eyelet 4,2	021 502		930	Pan-head screw M6x10	023 183



9.8 Bobbin board

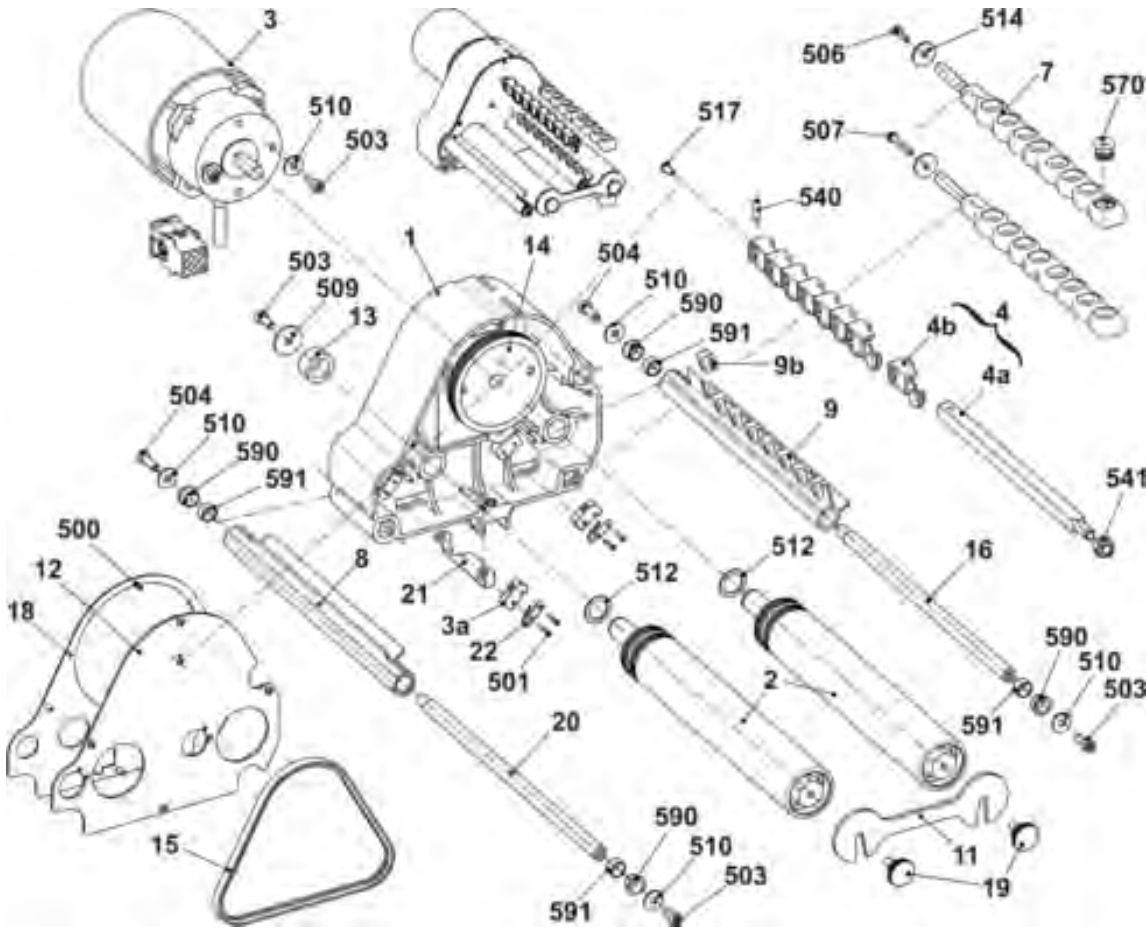
9.8 Bobbin board

Pos	Designation		Id. no.	Pos	Designation		Id. no.
Σ	Table complete 84"		240 681				
1	Table		251 246		540	Sheet metal screw ST2,2x9,5-F	263 824
4	Support element		228 594	15	Positioning pin		204 819
7	Magnet switch safety door		219 983	20	Energy chain display 38 links		253 888
8	Magnet switch safety door		220 159	37	Cable USB extension 84 okc		243 070
10	Guide rail at the top complete		240 684	40	Slot nut		228 851
14	Lamp LED complete2400		263 678	42	Support of left feed wheel		250 966
	14a	Card LED-module	263 642	43	Support of right feed wheel		250 967
	14b	Support profile of lamp	263 677	504	Pan head screw M8x16		023 113
	14c	Support right	263 645	516	Pan head screw M3x8		023 251
	14d	Support on the left	263 646	518	Pan head screw M8x18		251 331
	14e	Cover	263 647	520	Washer		020 901



9.9 Left friction feed wheel

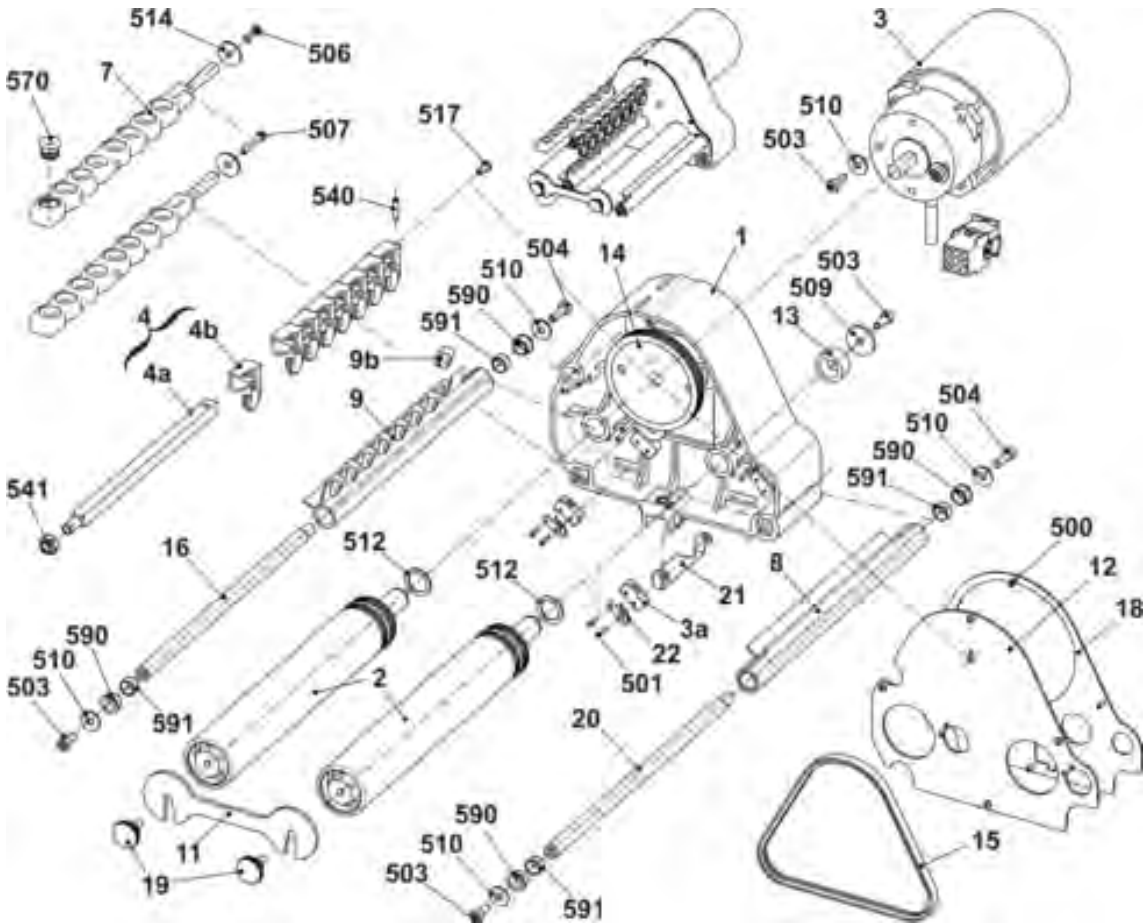
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the left complete		243 571	14	V-ribbed belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase AC motor complete		219 800	18	Cover		230 758
	3a	Microswitch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



9.10 Right friction feed wheel

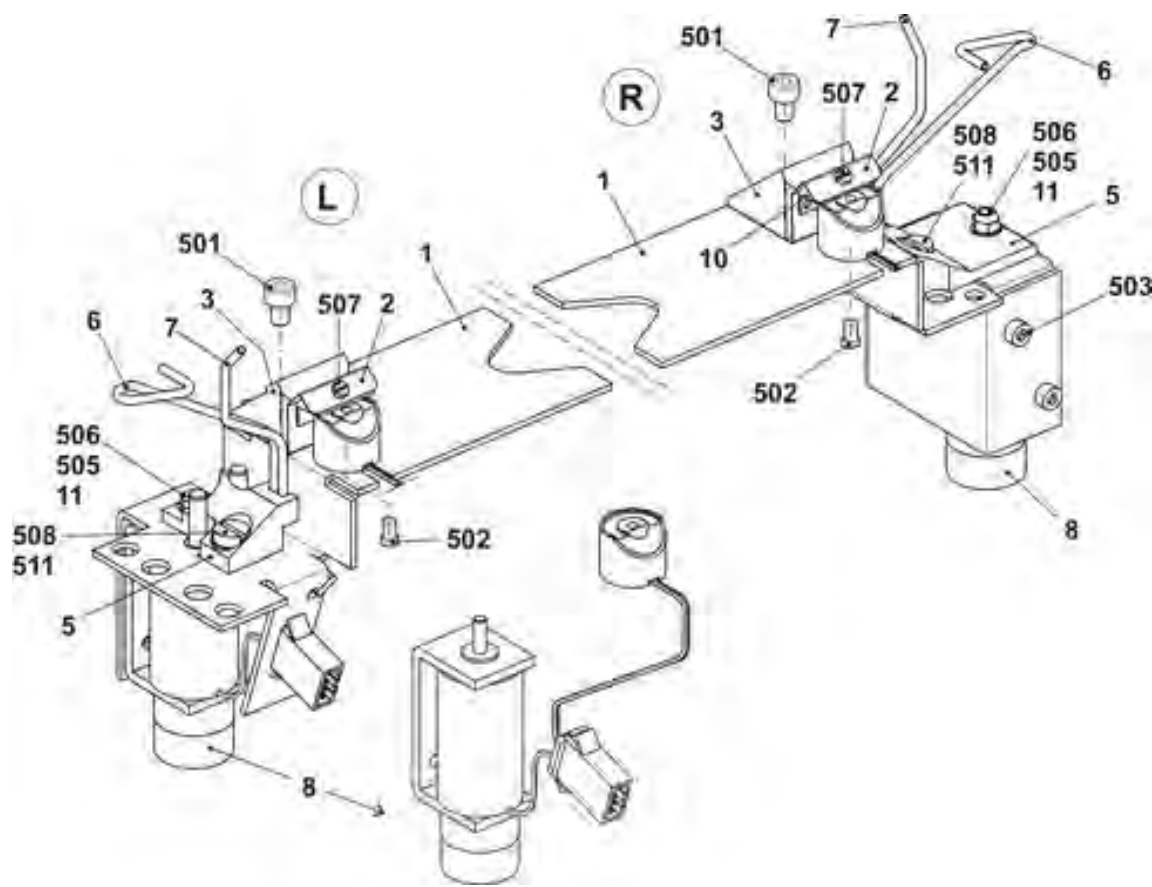
9.10 Right friction feed wheel

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



9.11 Thread clamp

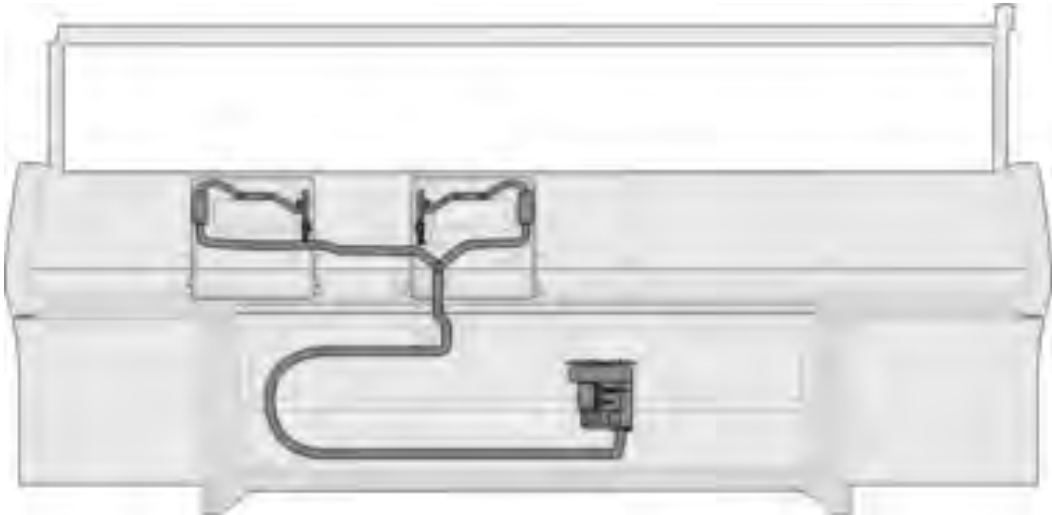
Pos	Designation	Id		Pos	Designation	Id
Σ (L)	Yarn guide system on the left complete	236 115				
Σ (R)	Yarn guide system on the right complete	236 116		8(R)	Magnet system on the right	241 886
1(L)	Cover on the left	235 817		10	Wedge	236 292
1(R)	Cover on the right	235 391		11	Distance bushing	236 544
2	Leaf spring	236 276		501	Cap screw M4x6	023 067
3	Clamping piece	235 616		502	Cap screw M3x6	023 671
5(L)	Holding piece on the left	235 803		503	Cap screw M3x5	023 496
5(R)	Holding piece on the right	235 711		505	Washer3	022 806
6(L)	Yarn guide bow on the left	235 515		506	Hexagon nut M3	020 831
6(R)	Yarn guide bow on the right	235 515		507	Cap screw M2x4	023 624
7	Yarn guide bow at the rear	235 530		508	Cap screw M4x8	020 122
8(L)	Magnet system on the left	241 890		511	Washer4	022 481



9.11 Thread clamp

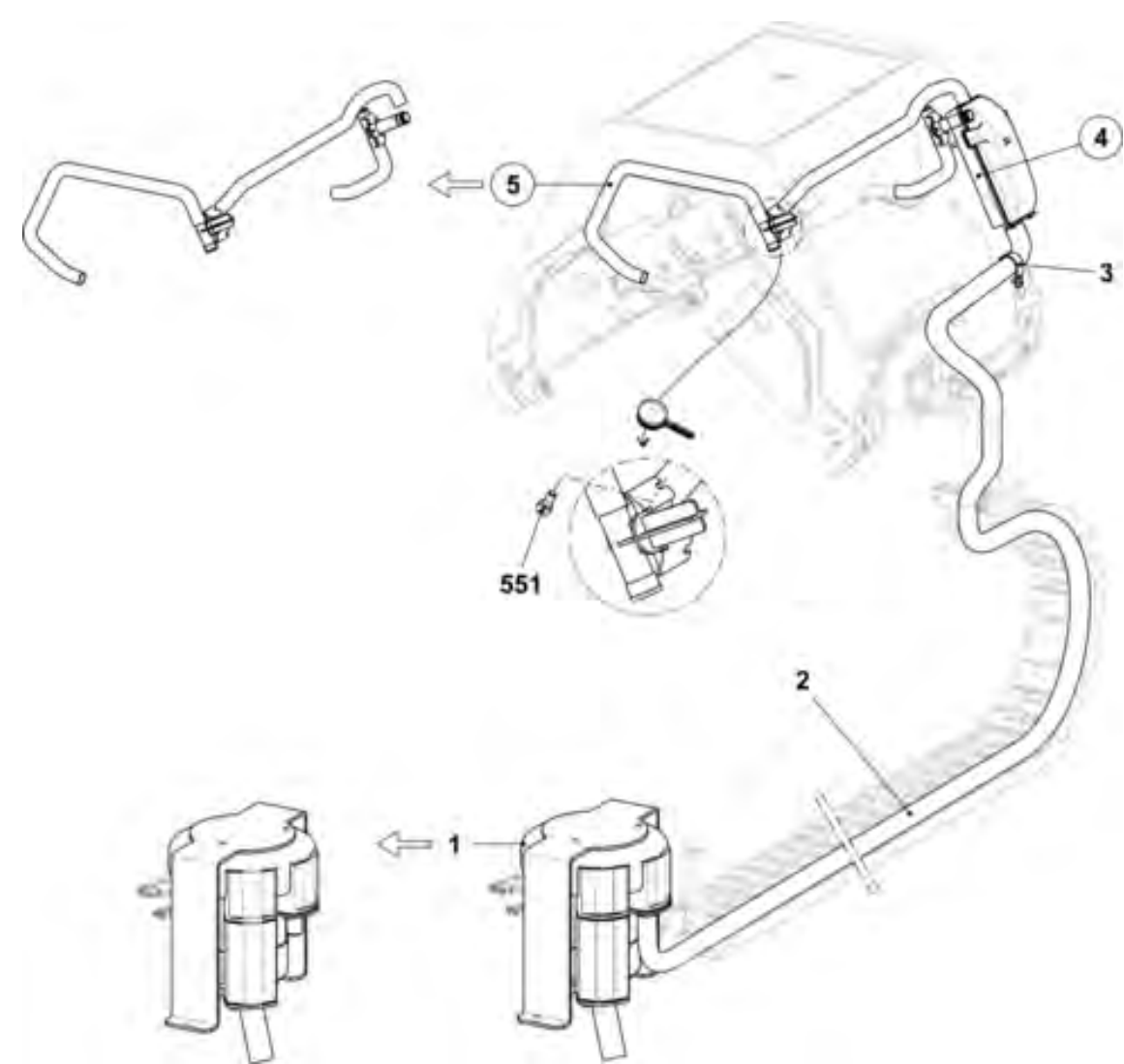
Notes:

10 Fluff absorption



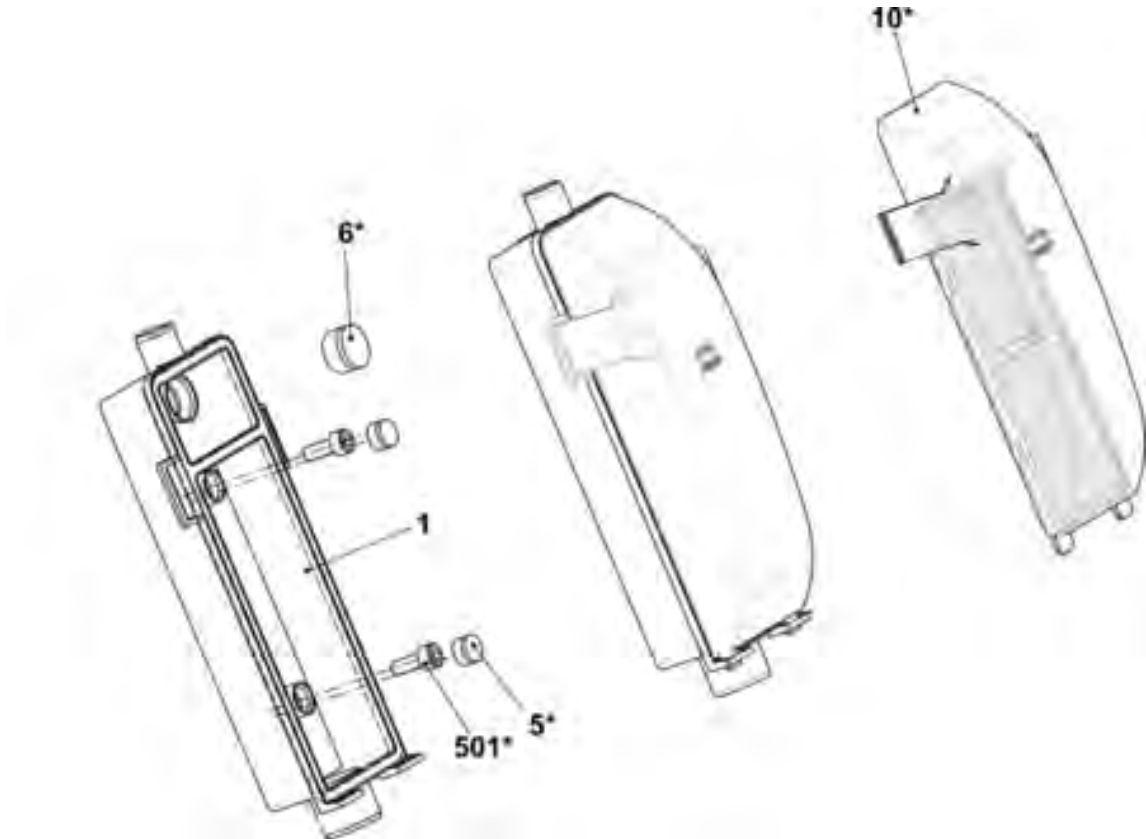
10.1 Fluff absorption

Pos	Designation	Id		Pos	Designation	Id
Σ	Fluff absorption					
1	Suction fan complete	251 332		4	Lint container	245 024
2	Suction hose 29x25x2950	252 747		5	Set of hose complete 730S	251 354
3	Hose clip	214 653		551	Cap screw M4x8	022 501



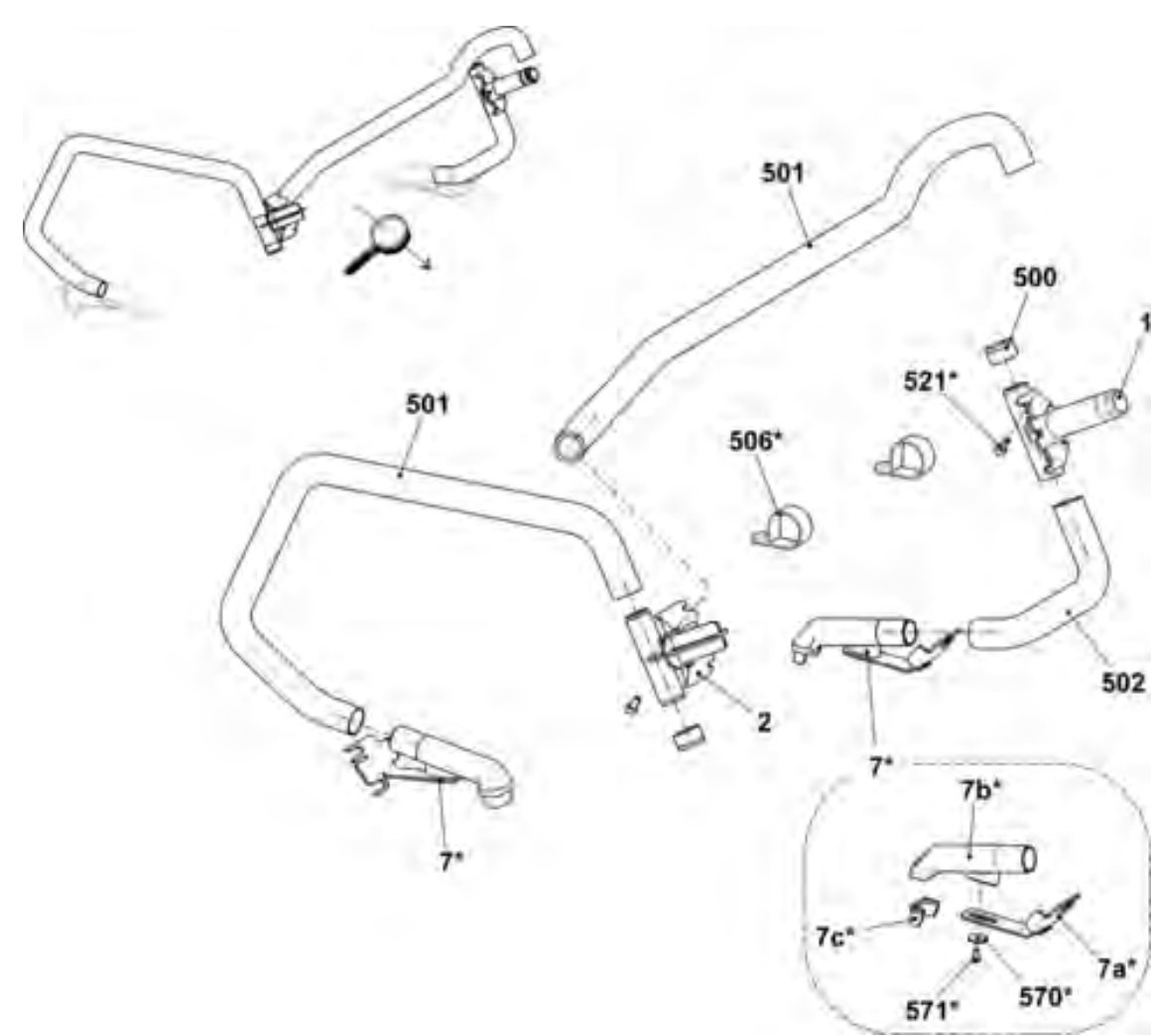
10.2 Lint container

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

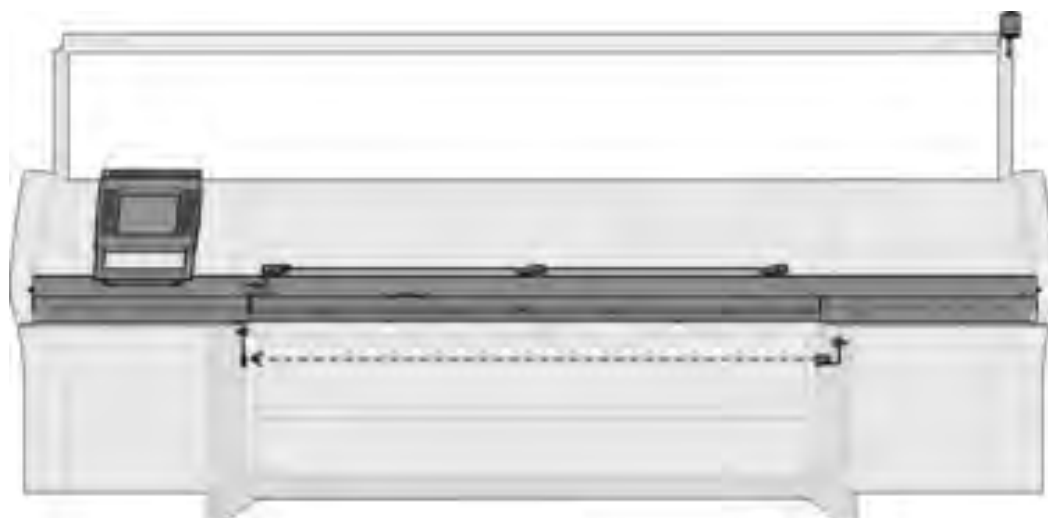


10.3 Hose set

Pos	Designation	Id		Pos	Designation	Id
Σ	Set of hose complete 730S	251 354		521*	Cap screw M4x8	022 501
1	T-piece FLENT	245 021		7*	Suction tube complete	241 596
2	Connection piece FLENT	245 022		7a*	Support	254 001
500	Sealing plug	245 029		7b*	Suction tube	258 701
501	Suction hose 20x16x570	251 044		7c*	Brush	254 009
502	Suction hose 20x16x140	251 353		570*	Disk3,2x12x1	020 892
506*	Cable clip	250 051		571*	Screw KB 30x6	241 424



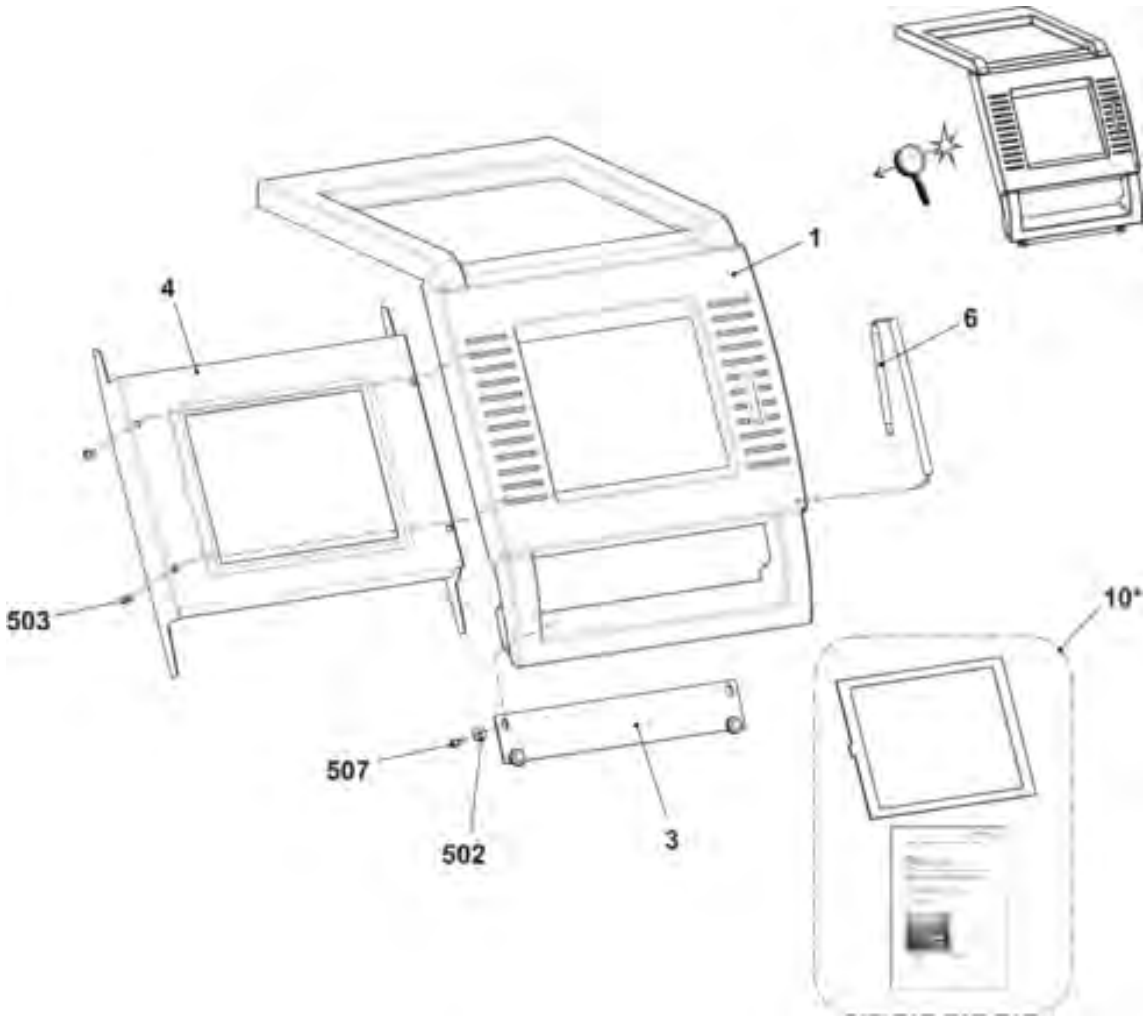
11 Operation and control



11.1 Input unit

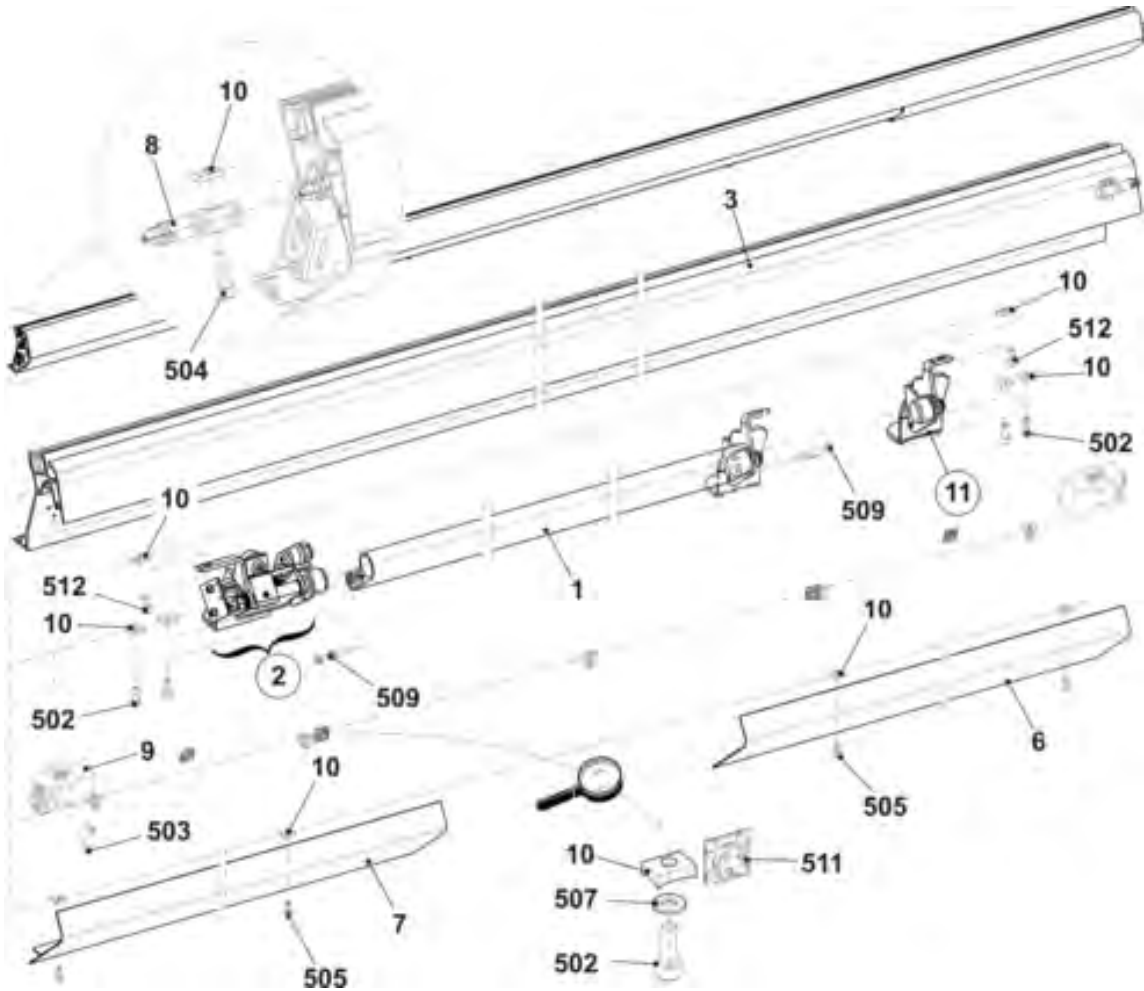
11.1 Input unit

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



11.2 Starting device

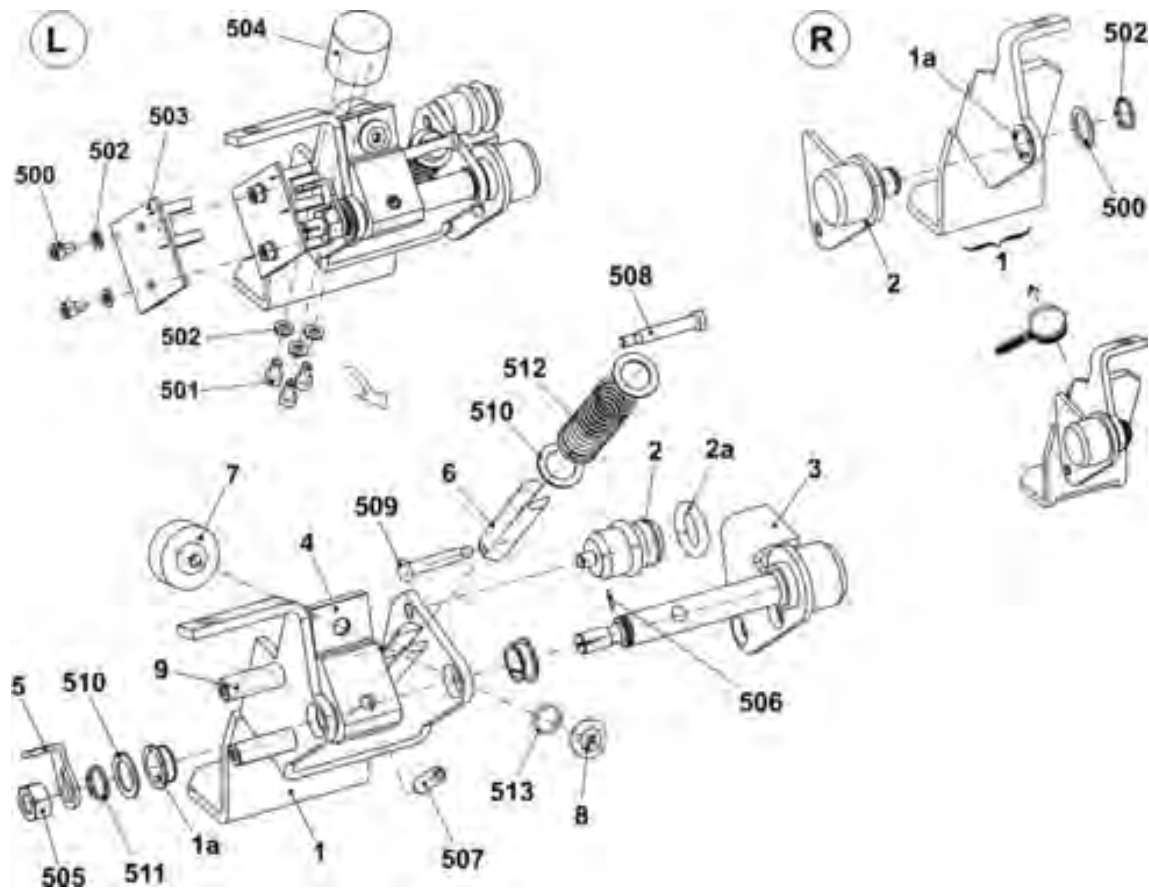
Pos	Designation	ID		Pos	Designation	ID
Σ	Starting device complete	254 377		11	Bearing on the right complete	252 964
1	Engaging rod	254 380		502	Cap screw M6x16	020 135
2	Bearing on the left complete	250 071		503	Pan-head screw M5x14	023 588
3	Guide rail at the bottom complete	257 540		504	Cap screw M6x20-12.9	020 136
6	Cover plate on the right	254 379		505	Cap screw M6x12	020 134
7	Cover plate on the left	254 378		507	Washer	020 872
8	Locating bolt	219 107		509	Screw M6x25	023 510
9	Switch with cable to safety doors	223 350		511	Cable holder	262 037
10	Sliding nut (slot nut)	225 099		512	Cap screw M6x10	023 690



11.2 Starting device

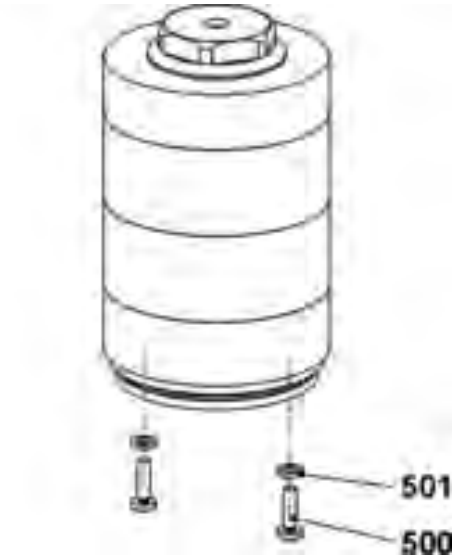
11.2.1 Bearing of the engaging rod

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



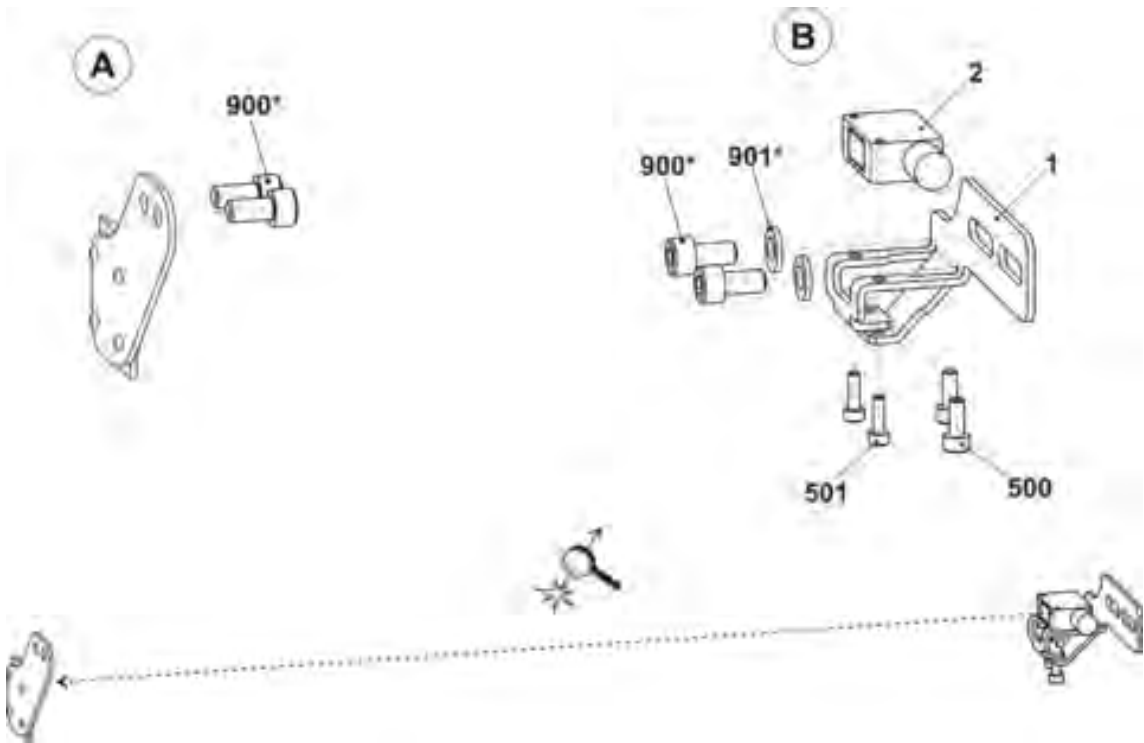
11.3 Signal light

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



11.4 Collecting area - control

Pos	Designation	Id		Pos	Designation	Id
A	Reflector complete	261 374		B	Holding angle light barrier	257 409
900*	Cap screw M6x12	020 134		1	Holding angle	256 806
				2	Light barrier	243 355
				500	Cap screw M4x10	023 136
				501	Cap screw M3x10	022 991
				900*	Cap screw M6x12	020 134
				901*	Washer	020 872



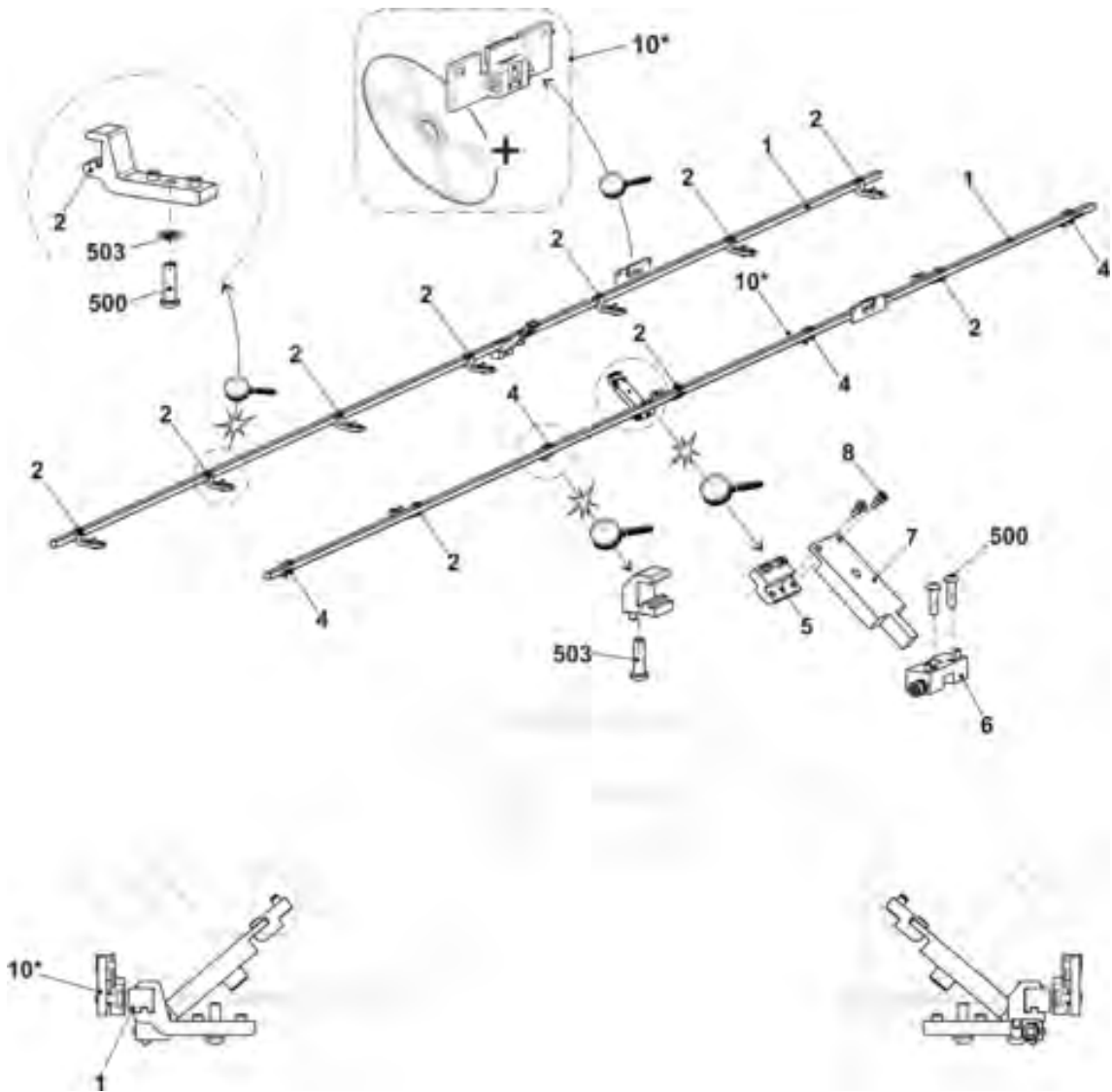
11.5 Shock stop motion

Pos	Designation	ID		Pos	Designation	ID
Σ	Shock stop motion complete 830S	257 089		2	Cable connection piezo at the rear	257 090
1	Shock sensor	255 315		3	Cable connection piezo at the front	257 091



11.6 Measuring device

Pos	Designation	Id		Pos	Designation	Id
Σ	Measuring device					
1	Measuring bar	258 312		7	Plunger	244 605
2	Guide	212 210		8	Shoulder screw	209 790
4	Clamp	212 203		500	Pan-head screw M6x20	241 603
5	Stop point	244973		503	Washer6	020 881
6	Bearing fork	244 535		10*	Spare parts package impulse sensor GLM	259 613



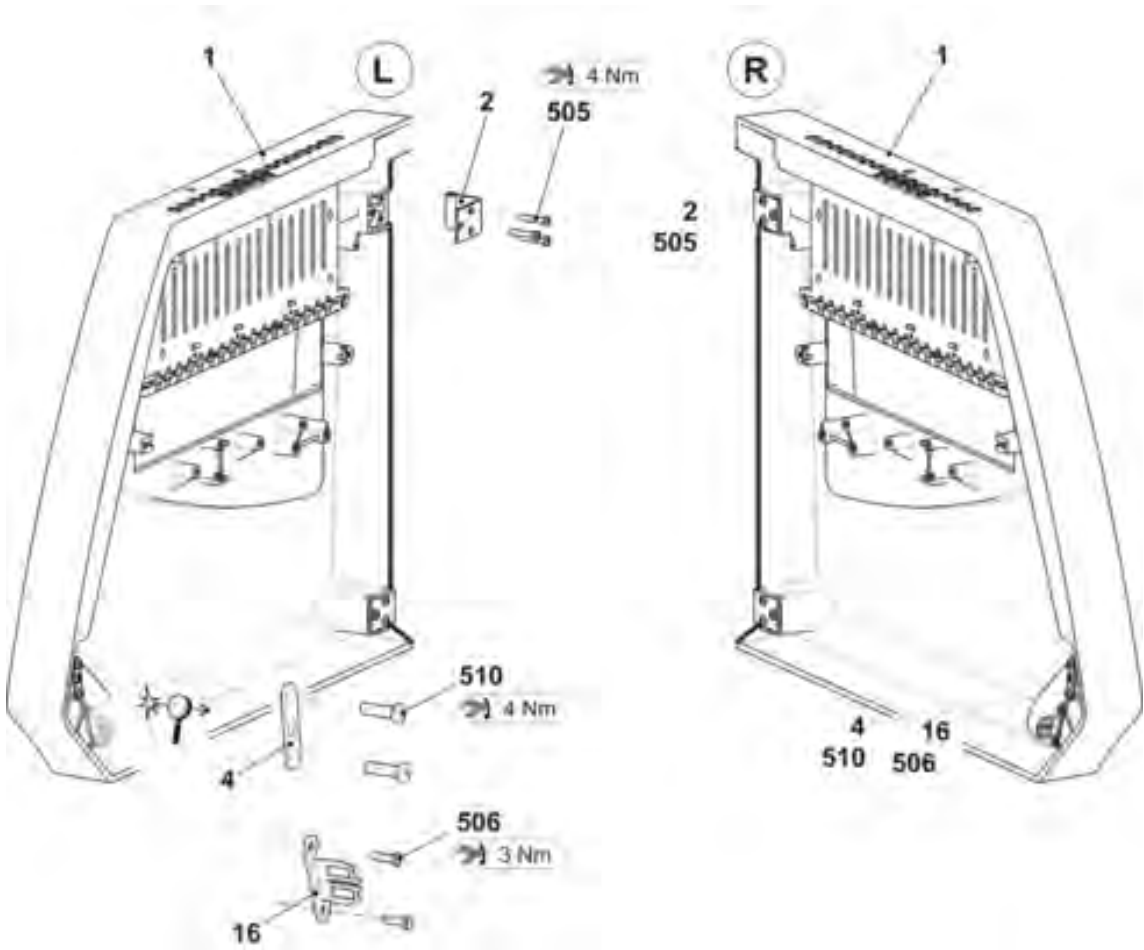
12 Protective devices



12.1 Lateral safety doors

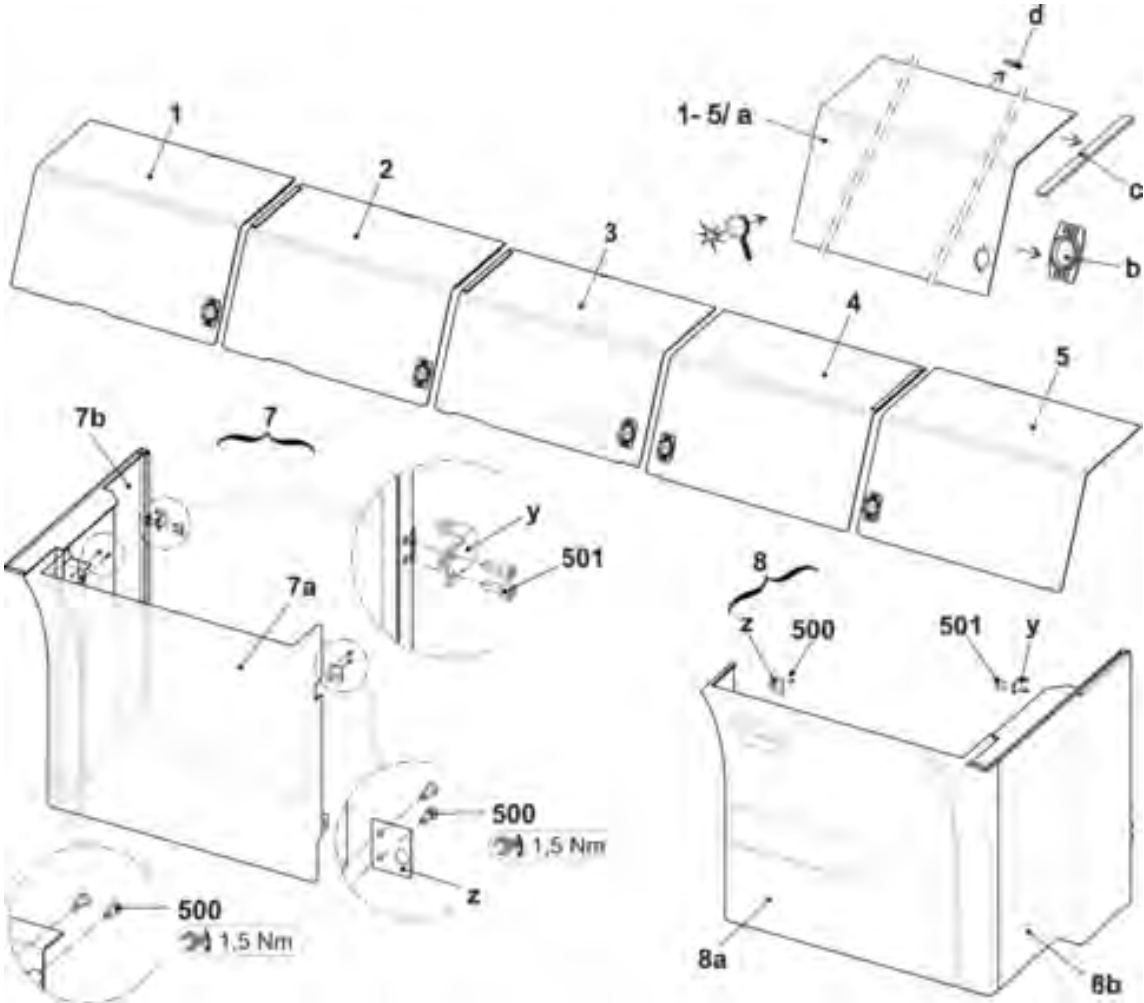
12.1 Lateral safety doors

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



12.2 Panelling

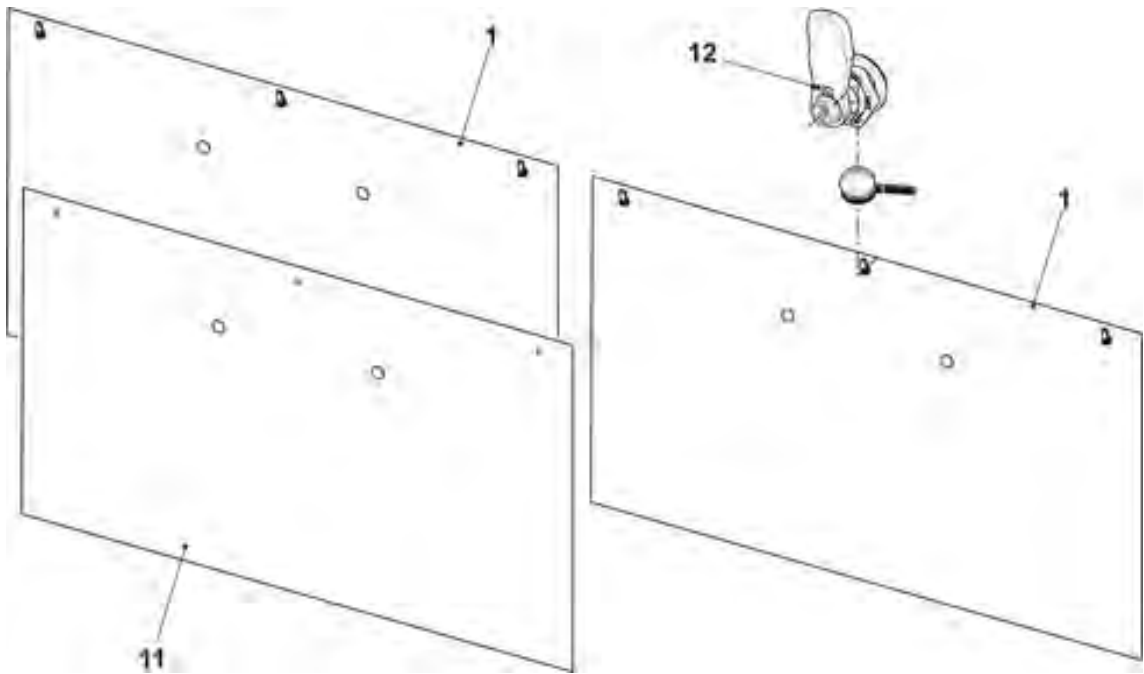
Pos	Designation		Id		Pos	Designation		Id
1	Cover 1 (complete)		257 532					
	1a	Cover	257 527		1-5	d	Magnet	255 129
2	Cover 2 (complete)		257 533		7	Control unit panelling on the left complete		254 862
	2a	Cover 2	257 528			7a	Control unit panelling on the left	251 188
3	Cover 3 (complete)		257 534			7b	Side part on the left	254 845
	3a	Cover 3	257 529		8	Control unit panelling on the right complete		254 863
4	Cover 4 (complete)		257 535			8a	Control unit panelling on the right	251 189
	4a	Cover 4	257 530			8b	Side part on the right	254 846
5	Cover 5 (complete)		257 536		7-8	y	Hinge	250 273
	5a	Cover 5	257 531			z	Bracket	240 412
1-5	b	Inlet type handle	251 376			500	Screw KB 50x12	240 359
	c	Stripper	219 393			501	Cap screw M6x16	020 135



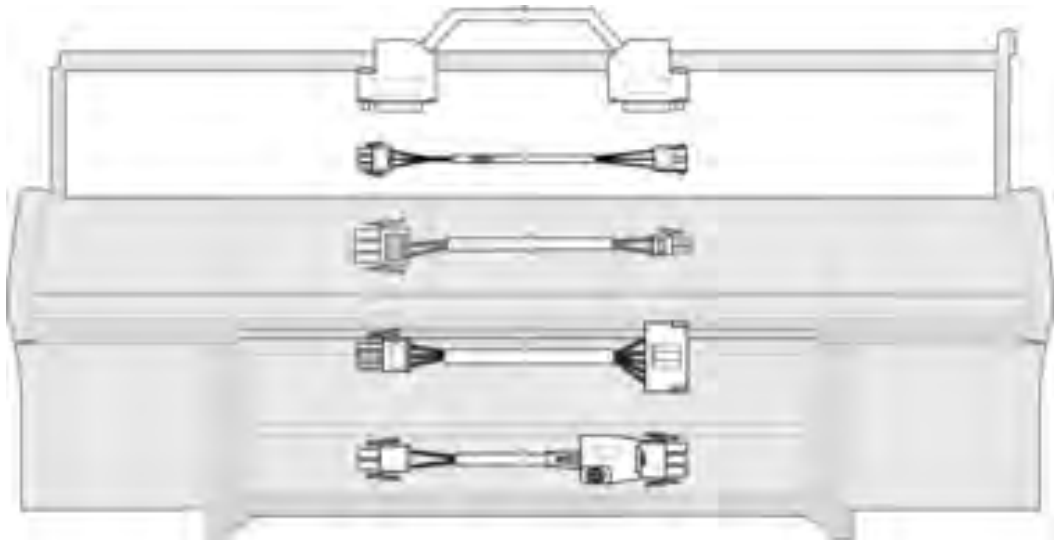
12.3 Rear panel

12.3 Rear panel

Pos	Designation	Id. no.		Pos	Designation	Id. no.
1	Panelling at the rear complete	257 670		11	Panelling	257 664
				12	Safety sash fastener	243 052



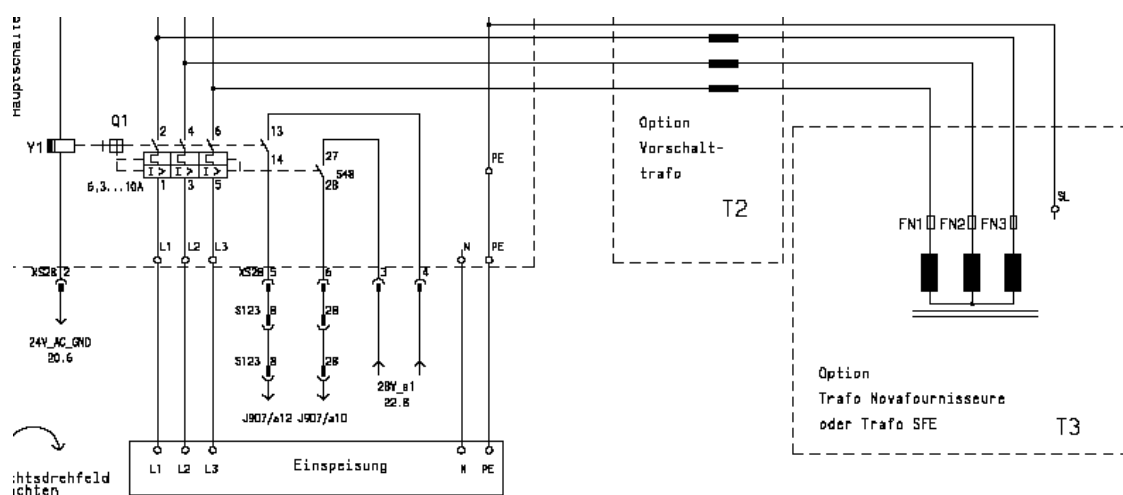
13 Electrical equipment



13.1 Circuit diagram (221) as PDF

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

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

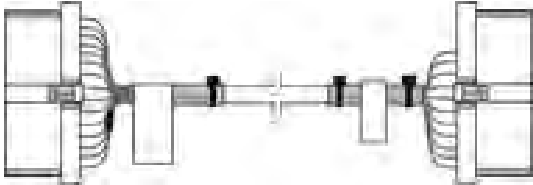
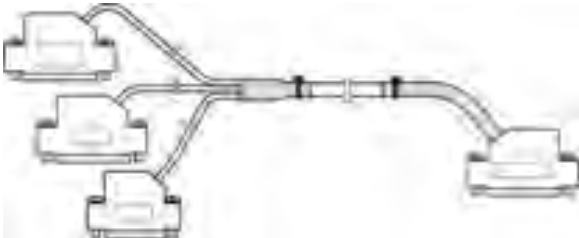


13.2 Fuses

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

13.3 Trailing cable

13.3 Trailing cable

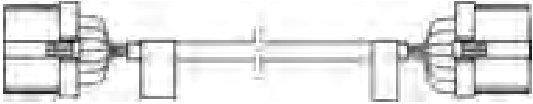
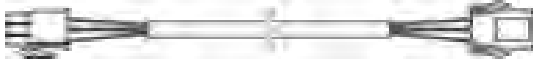
Designation	ID	Designation	ID
Trailing cable set OKC 830S 2IMP-2	259 308		
Cable impulse sensor 2 at the rear XL136 830S OKC3	259 363	Cable SM1 at the rear XD4 830S OKC	254 987
Cable impulse sensor 2 at the front XL137 830S OKC3	259 364	Cable SM1 at the front XD4 830S OKC	254 991
			
Cable yarn carrier 830S OKC	254 985	Cable SM2rear IXD3 830S OKC	254 988
		Cable SM2rear IXD2 830S OKC	254 989
Cable signal at the rear XD1 830S OKC	254 986	Cable SM2front XD3 830S OKC	254 992
Cable signal at the front XD1 830S OKC	254 990	Cable SM3front XD2 830S OKC	254 993
			

13.4 Cable set installation

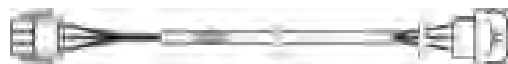
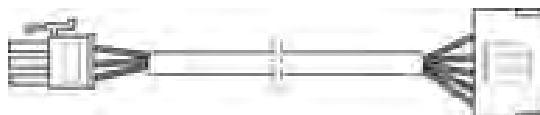
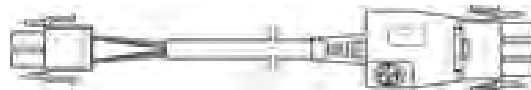
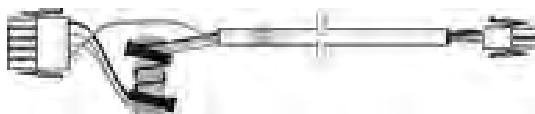
Designation			ID	Designation			ID
Σ	Cable set installation 830S OKC		255 065	3	Loom of cables comb OKC		240 259
1	Loom of cables base 1OKC		253 439	4	Loom of cables 86“ OKC		255 136
2	Loom of cables base 2OKC		253 440	5	Loom of cables 830S OKC		255 083

13.4 Cable set installation

13.4.1 Loom of cables base 1

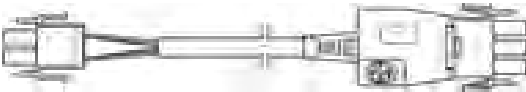
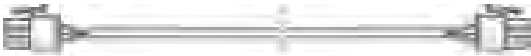
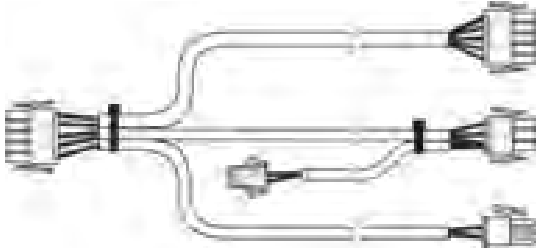
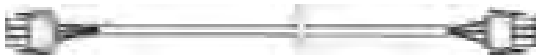
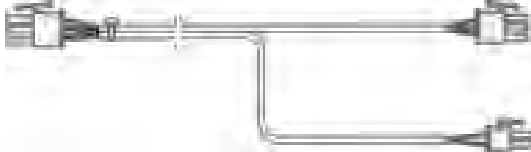
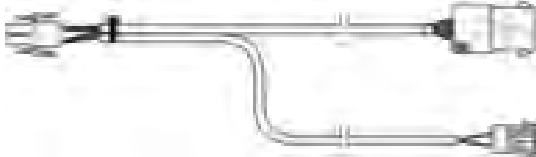
Designation	ID		Designation	ID
Loom of cables base 1 OKC	253 439			
Cable Engaging rod OKC 3XX	240 289		Cable supply FKE lamp OKC	240 290
				
Cable protective device on the left OKC	253 442			
				

13.4.2 Loom of cables base 2

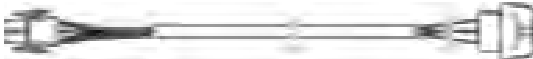
Designation	ID		Designation	ID	
Loom of cables base 2OKC	253 440				
Cable motor HAAB OKC	240 291		Cable racking limit switch OKC	240 292	
					
Cable fan drive OKC	240 293		Cable Feed wheel on the right OKC	240 294	
					
Cable drive motor OKC	240 295		Cable resolver drive OKC	240 296	
Cable racking motor OKC	240 297		Cable resolver racking OKC	240 298	
					
Cable protective device on the right OKC	253 441				
					

13.4 Cable set installation

13.4.3 Loom of cables 86"

Designation	ID		Designation	ID
Loom of cables 86" OKC	255 136			
Cable CAN 84"	240 461		Cable Electro 84" OKC	240 463
				
Cable feed wheel on the left 84" OKC	240 466		Cable motor HIAB84" OKC	242 226
				
Cable switch HIAB 84" OKC	242 227		Cable power supply WAZ/F 84" OKC	263 688
				
Cable power supply servo 84"	240 504		Cable power supply unit of mains supply OKC	236 573
				
Cable motor HAABOEF/S 84" OKC	242 228		Cable switch HIAB Anpr. OKC	240 593
				
Cable switch HAOS 84" OKC	242 229		Cable power supply FLENT 84" OKC	251 243
				
Cable motor HIAB Anpress OKC	240 592			
				

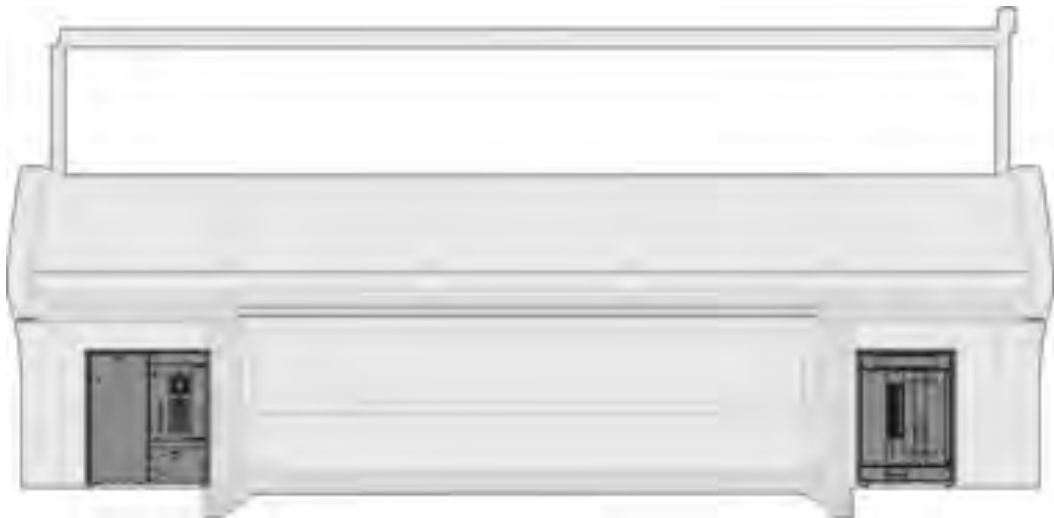
13.4.4 Loom of cables COMB

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

13.4 Cable set installation

Notes:

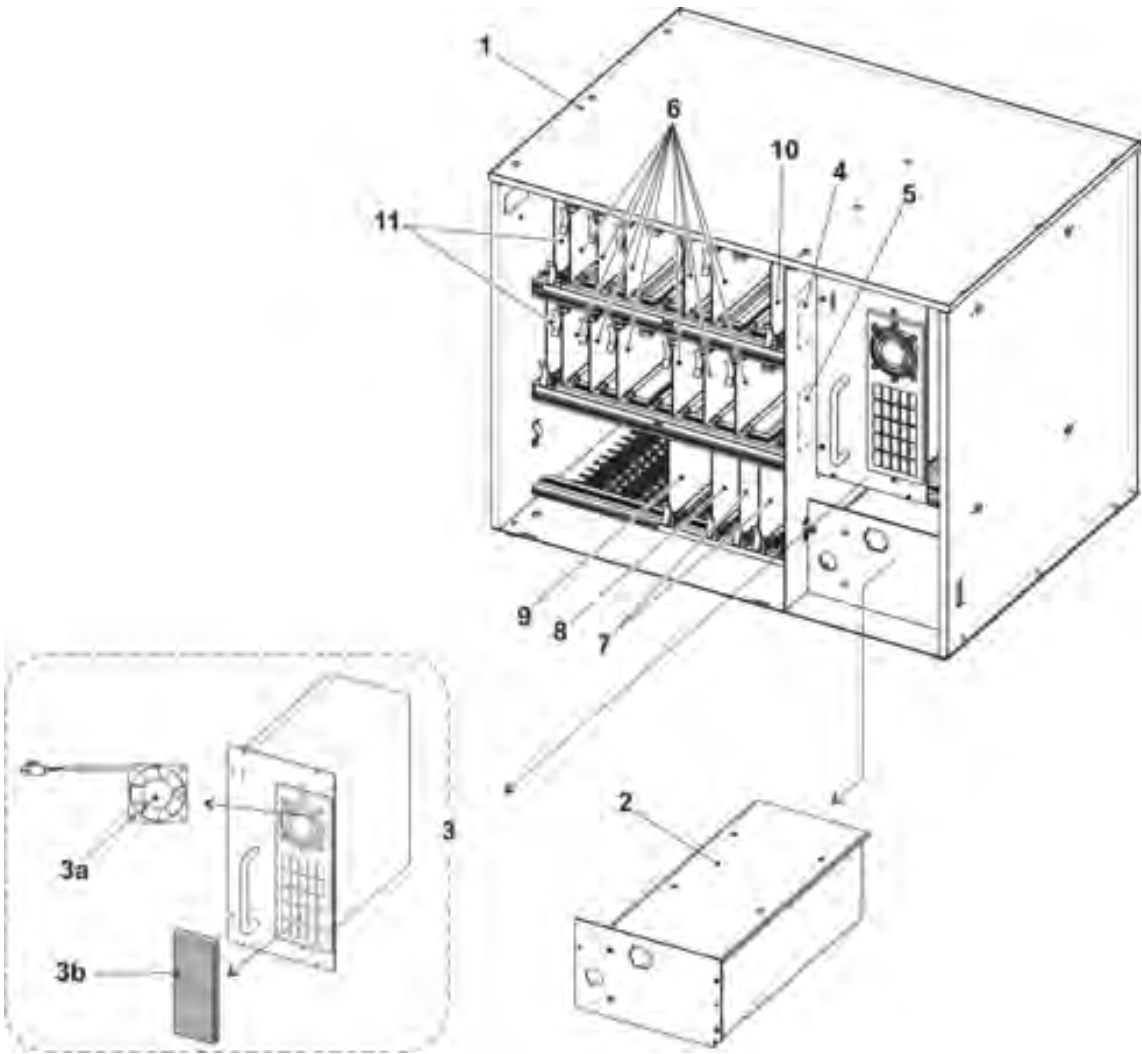
14 Control electronics



14.1 Left control cabinet

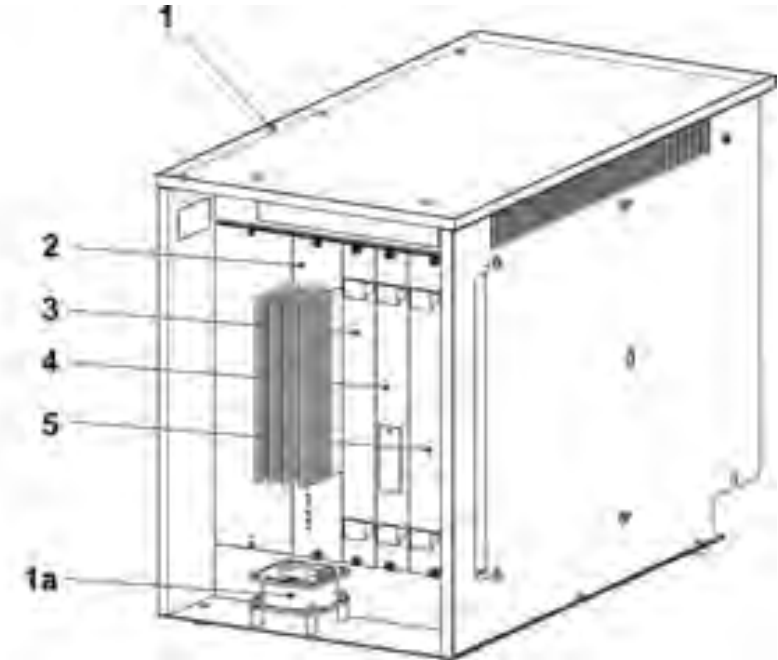
14.1 Left control cabinet

Pos	Designation	Id	Pos	Designation	Id
Σ	Control unit on the left complete 730S okc3	255 963	5	Card YC final stages	300 939
1	Control unit on the left without equipment730S okc3	255 962	6	Card final stages 4SM 7TE	300 943
2	Battery plug-in unit	300 924	7	Card N-CPU 432	300 965
3	Power supply unit CG54 with double channel	300 977	8	Card Power CPU B	301 009
	3a	Fan power supply unit	9	Card IPC P8X S 01	301 010
	3b	Filter mat CG54	10	Card SM-CPU 2	300 946
4	Card battery OKC	300 951	11	Card SM-CPU 2 IO-5V	300 947



14.2 Right control cabinet

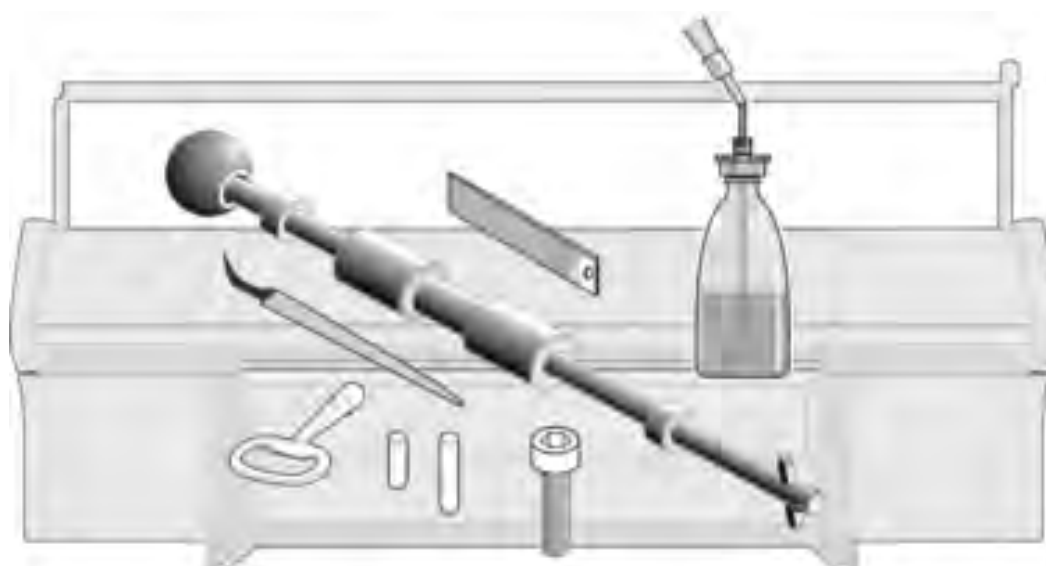
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit on the right complete 2A 72" okc	238 738				
1	Control unit on the right without equipment	238 737		3	Card relay okc	300 953
	1a Axial flow fan Servo 05	229 059		4	Card CWAZ	300 929
2	Card Servo6 okc	301 000		5	Capacitor card CWAZ	300 936



14.2 Right control cabinet

Notes:

15 Deliverable accessories



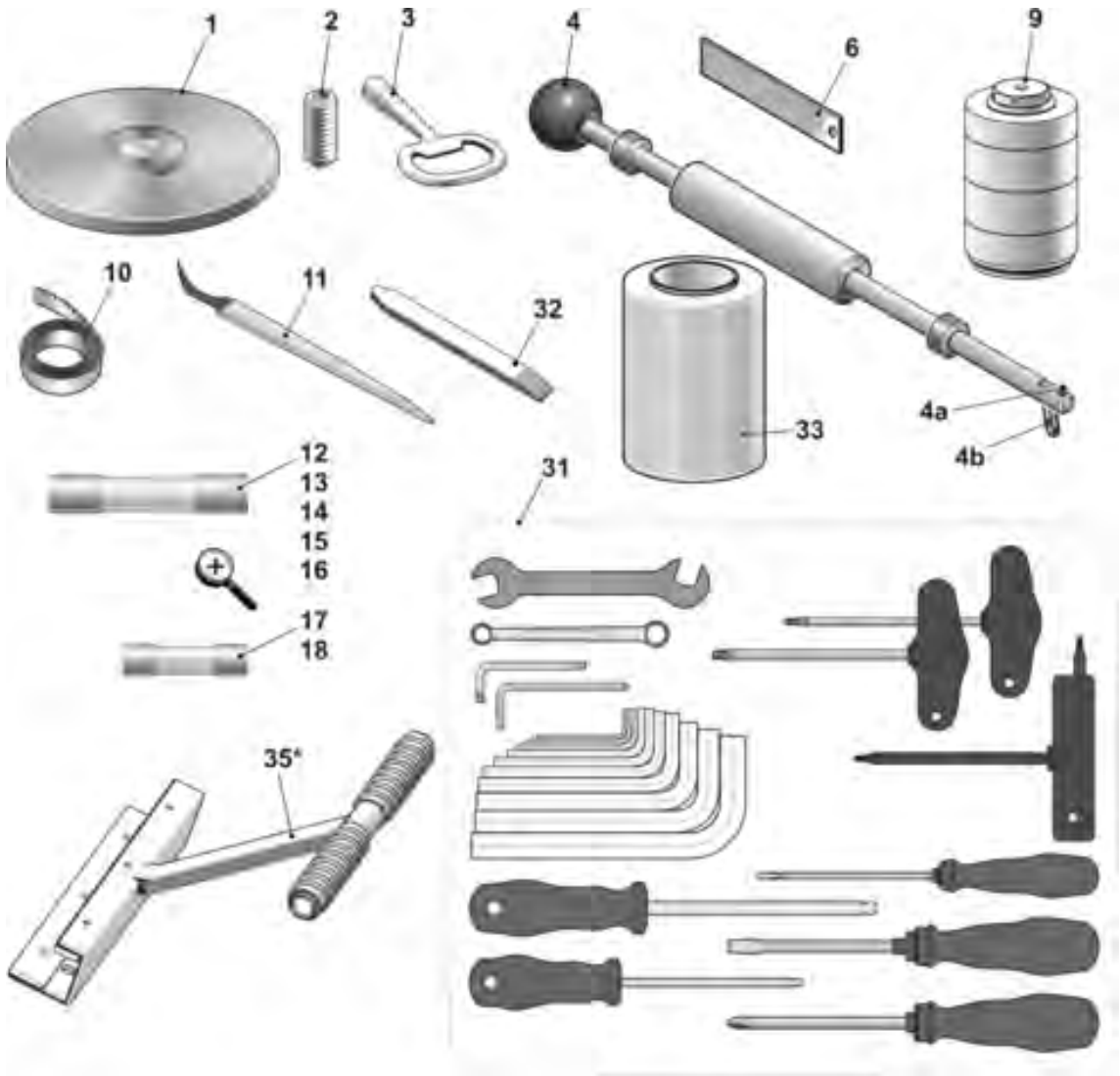
You can order the following tools, lubricants and expendables.

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

15.1 Tool

15.1 Tool

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



15.2 Lubricating stuff

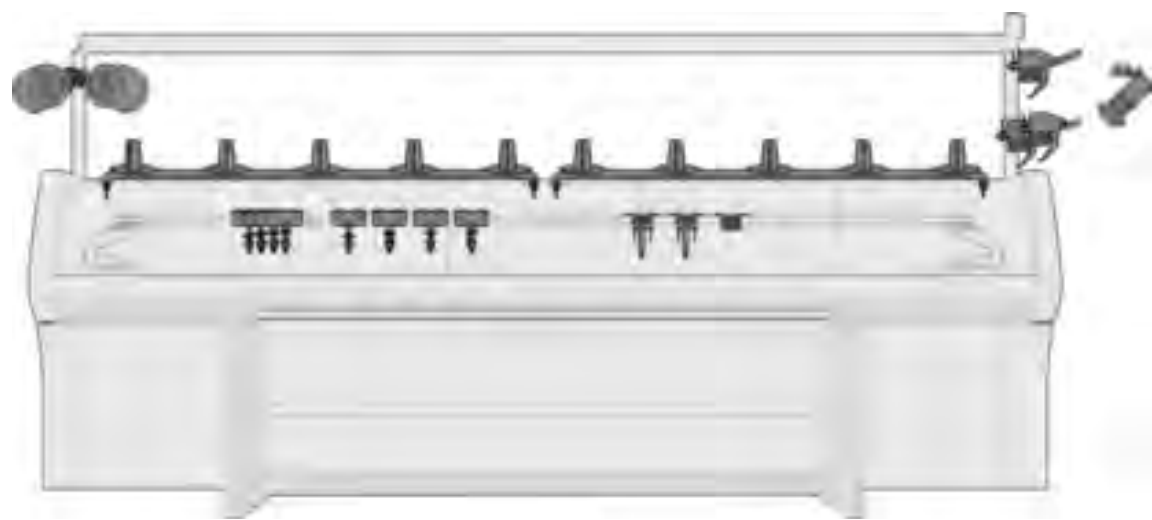
Pos	Designation	Id. no.		Pos	Designation	Id. no.
5	Silvertex T 46, 1l	230 614		7	White grease paste OKS270	229 372
6	Grease OKS 475, 150g	005 351		8	Oil combifix	216 732



15.2 Lubricating stuff

Notes:

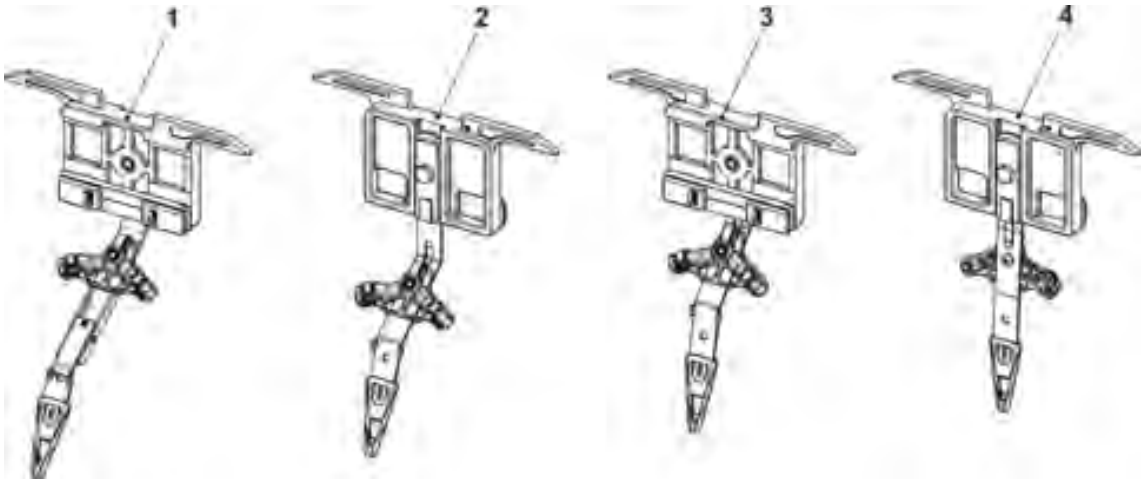
16 Special attachments



16.1 Complete yarn carriers

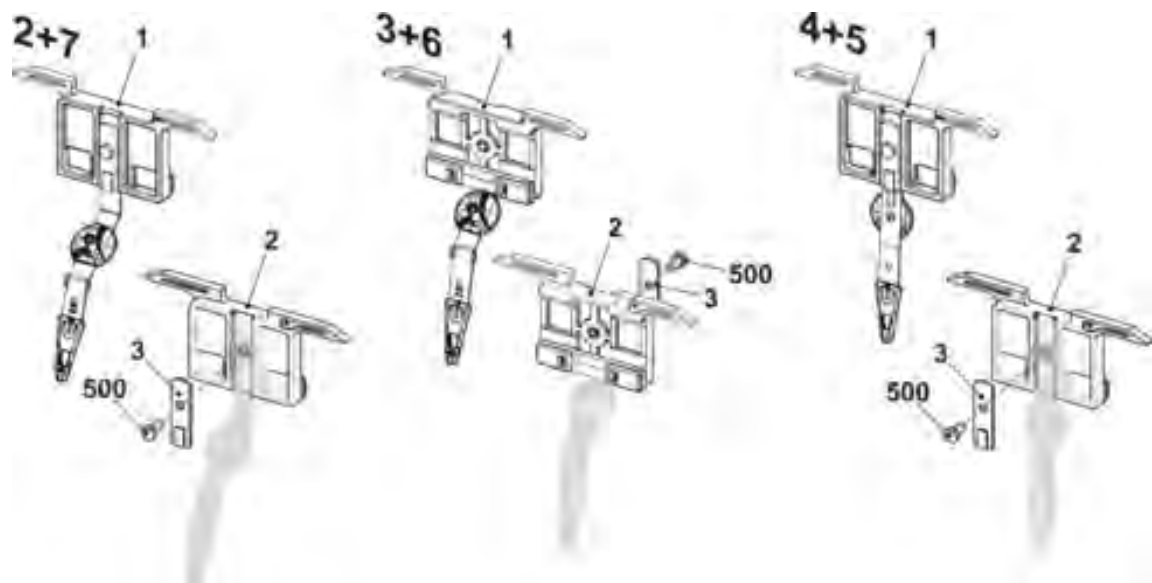
16.1 Complete yarn carriers

Pos	Designation	ID		Pos	Designation	ID
E7.2 E9.2						
1	FF carriage 1+8 complete E7.2 X30S (E9.2)	256 553		3	FF carriage 3+6 complete E7.2 X30S (E9.2)	256 555
2	FF carriage 2+7 complete E7.2 X30S (E9.2)	256 554		4	FF carriage 4+5 complete E7.2 X30S (E9.2)	256 556



16.2 Carriage of plating yarn carrier

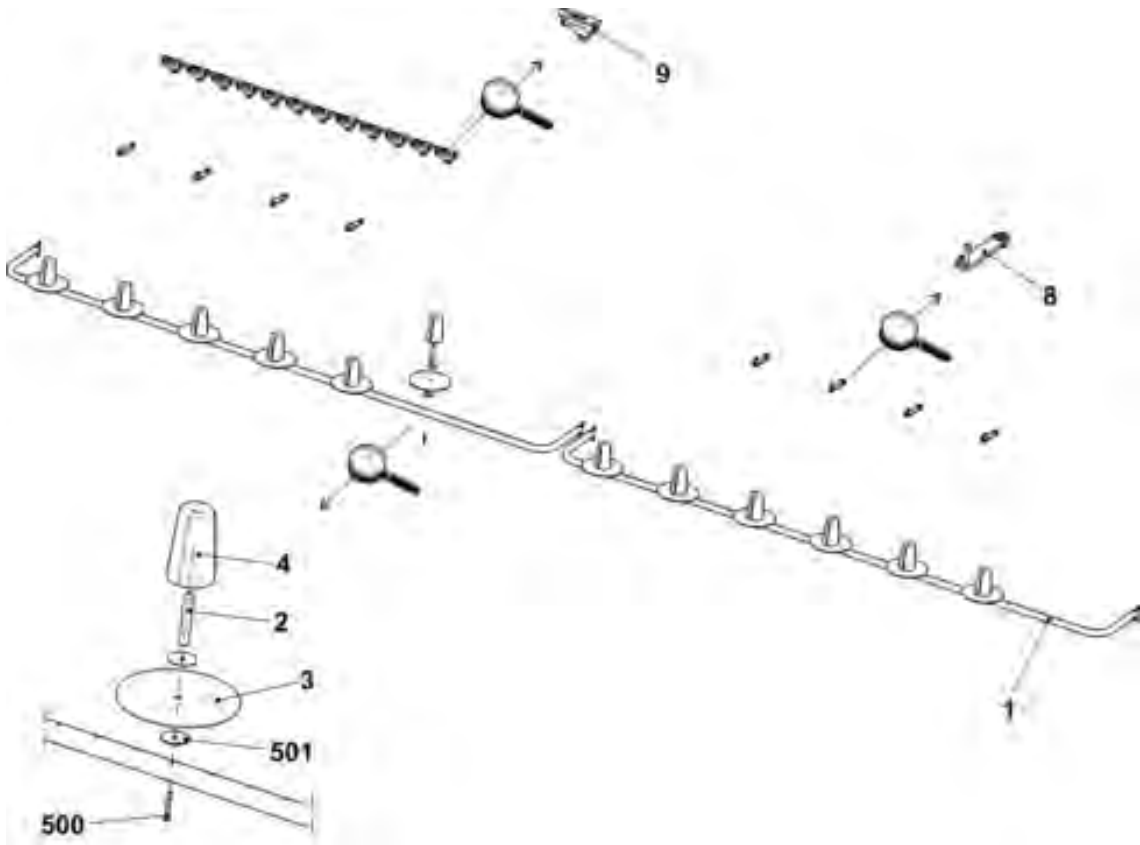
Pos	Designation	ID		Pos	Designation	ID
Σ2+7	Carriage set of plating YC2+7	258 600		Σ2+7	Carriage set of plating YC2+7	258 603
1	Yarn carrier carriage 2+7 completeE7-8	257 642		1	Yarn carrier carriage 2+7 completeE10-14	257 646
2	Yarn carrier carriage complete EW 35	257 610		2	Yarn carrier carriage complete EW 35	257 610
3	Shim	213 035		3	Shim	213 035
500	Hexagon screw M5x10	020 351		500	Hexagon screw M5x10	020 351
Σ3+6	Carriage set of plating YC3+6	258 601		Σ3+6	Carriage set of plating YC3+6	258 604
1	Yarn carrier carriage 2+7 completeE7-8	257 643		1	Yarn carrier carriage 2+7 completeE10-14	257 647
2	Yarn carrier carriage complete EW 35	257 610		2	Yarn carrier carriage complete EW 35	257 610
3	Shim	213 035		3	Shim	213 035
500	Hexagon screw M5x10	020 351		500	Hexagon screw M5x10	020 351
Σ4+5	Carriage set of plating YC4+5	258 602		Σ4+5	Carriage set of plating YC4+5	258 605
1	Yarn carrier carriage 2+7 completeE7-8	257 644		1	Yarn carrier carriage 2+7 completeE10-14	257 648
2	Yarn carrier carriage complete EW 35	257 610		2	Yarn carrier carriage complete EW 35	257 610
3	Shim	213 035		3	Shim	213 035
500	Hexagon screw M5x10	020 351		500	Hexagon screw M5x10	020 351



16.3 Additional board at the bottom

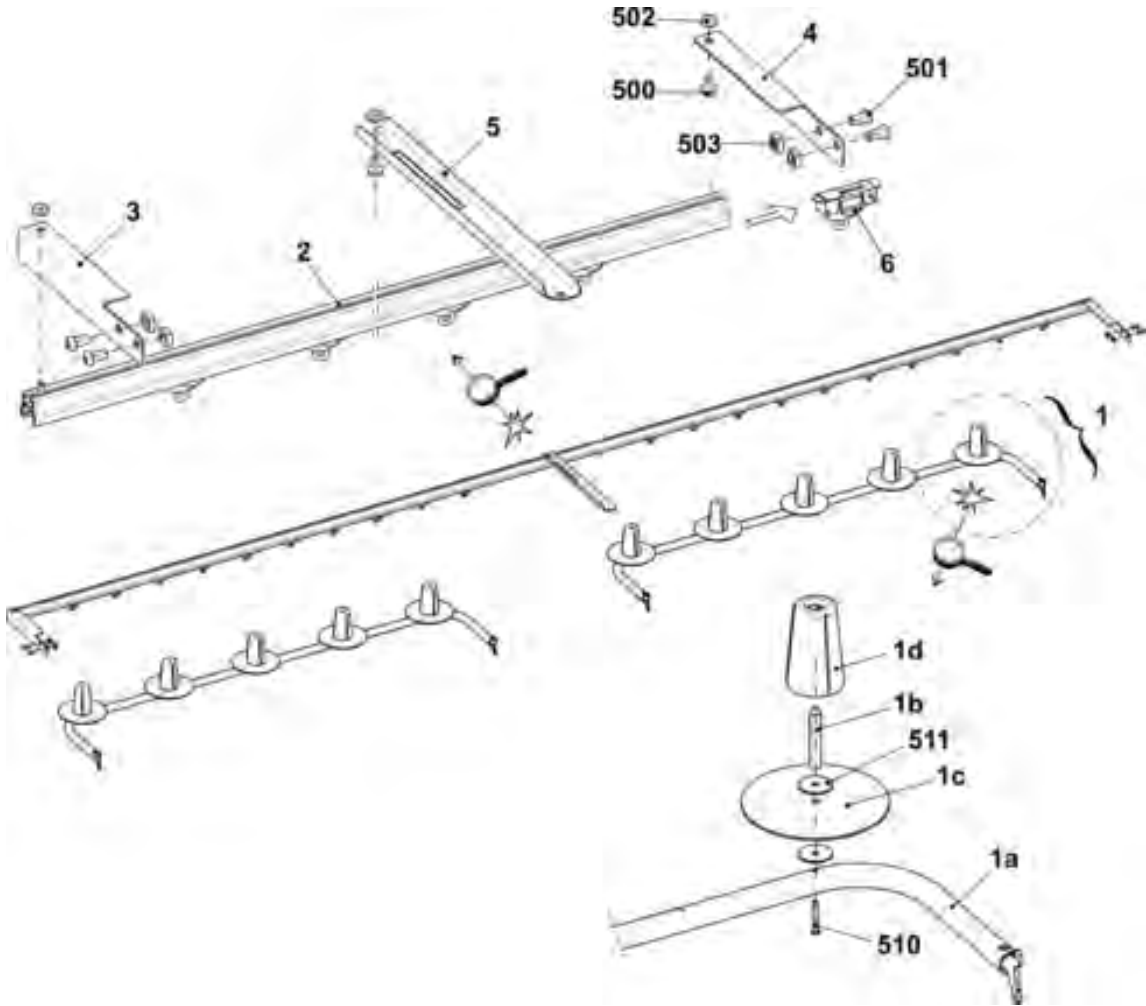
16.3 Additional board at the bottom

Pos	Designation	Id. no.		Pos	Designation	Id. no.
Σ	Additional board8XX at the bottom	253 646				
1	Additional bobbin board welded	253 472		8	Yarn guide	243 765
2	Positioning pin	202 777		9	Yarn guide bracket	241 581
3	DiskD=130	062 385		500	Pan-head screw M4x30	023 681
4	Bobbin support	200 363		501	Washer5,3x30x1,25	023 556



16.4 Additional board retrofit kit

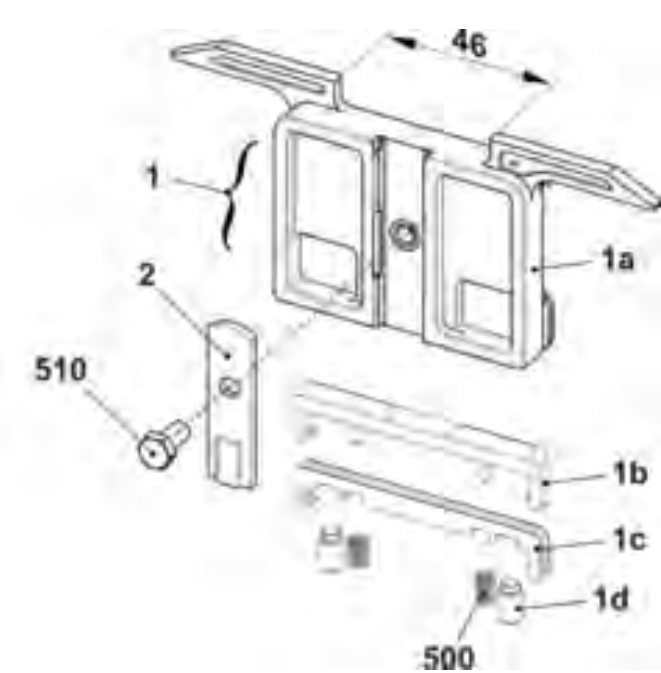
Pos	Designation		Id		Pos	Designation		Id
Σ	Additional board retrofit kit 8XX		243 776					
1	Additional bobbin board 7XX/8XX		241 928		3	Support on the left		243 602
	1a	Additional bobbin board welded	241 927		4	Support on the right		243 603
	1b	Positioning pin	202 777		5	Support		239 295
	1c	DiskD=130	062 385		6	Yarn guide bracket complete		241 581
	1d	Bobbin support	200 363		500	Self-locking screw M6x12		023 415
	510	Pan-head screw M4x30	023 681		501	Pan-head screw M8x16		023 113
	511	Washer5,3x30x1,25	023 556		502	Serrated nut M6-10		023 414
2	Yarn guide bar84"		236 932		503	Square nut M8		023 269



16.5 Carriage of plating yarn carrier EW 46

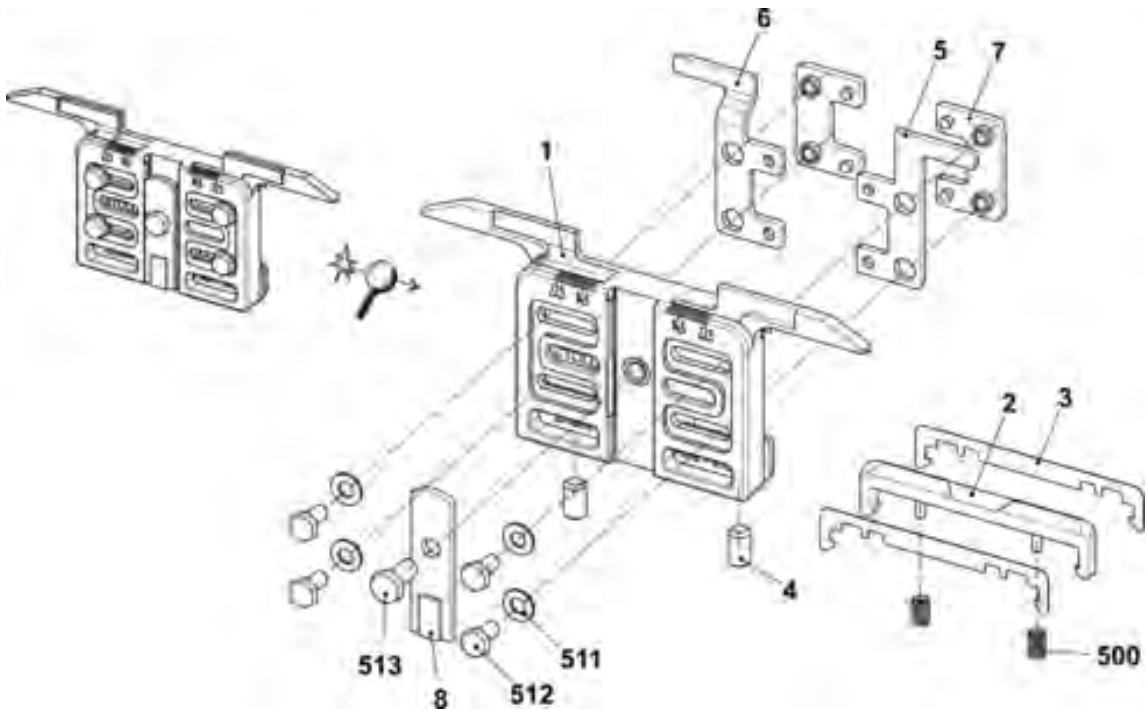
16.5 Carriage of plating yarn carrier EW 46

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



16.6 Carriage of plating yarn carrier (adjustable)

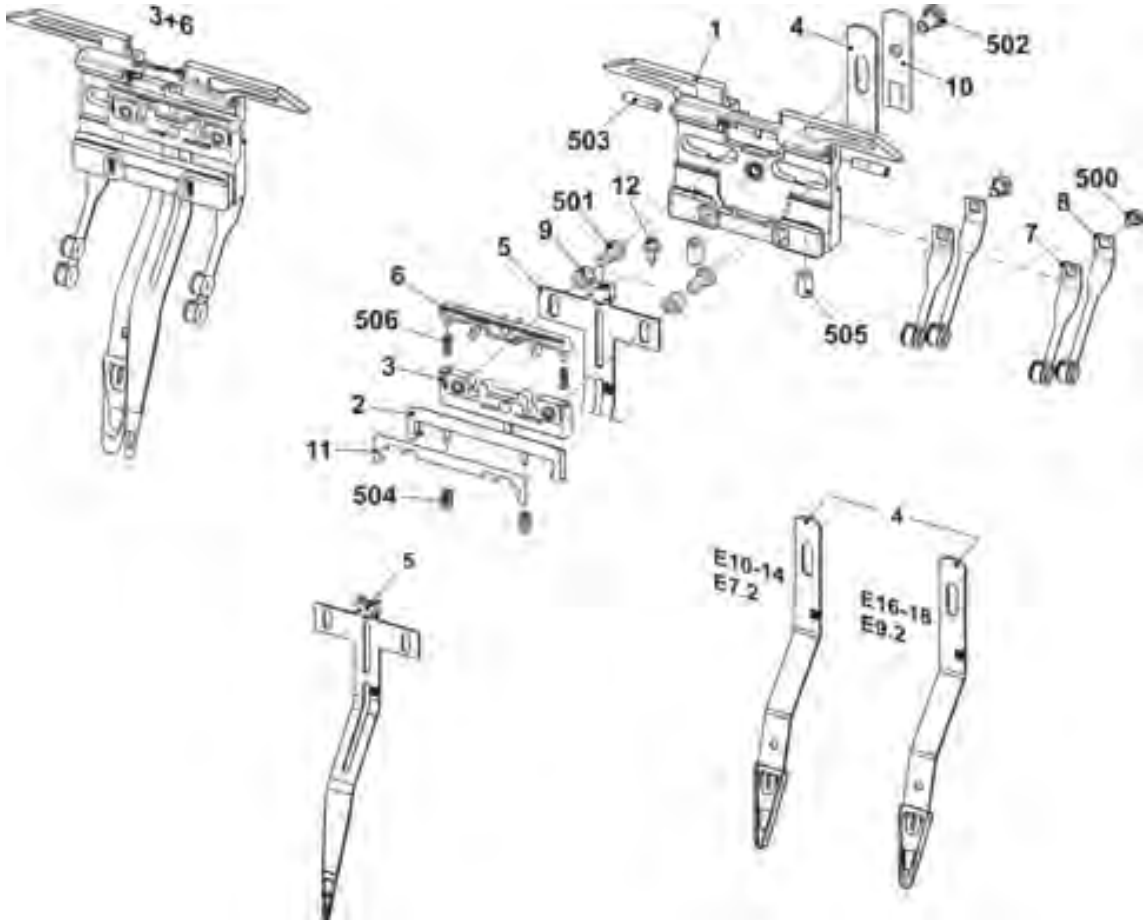
Pos	Designation	Id		Pos	Designation	Id
Σ	Plating yarn carrier carriage complete	251 867				
1	Carriage of yarn carrier	251 864		7	Guide part	253 226
2	Sliding piece	212 583		8	Shim	213 035
3	Shim	216 143		500	Compression spring	021 399
4	Threaded bolt	213 399		511	Washer4	022 481
5	Insert on the right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



16.7 Plating yarn carrier 3+6

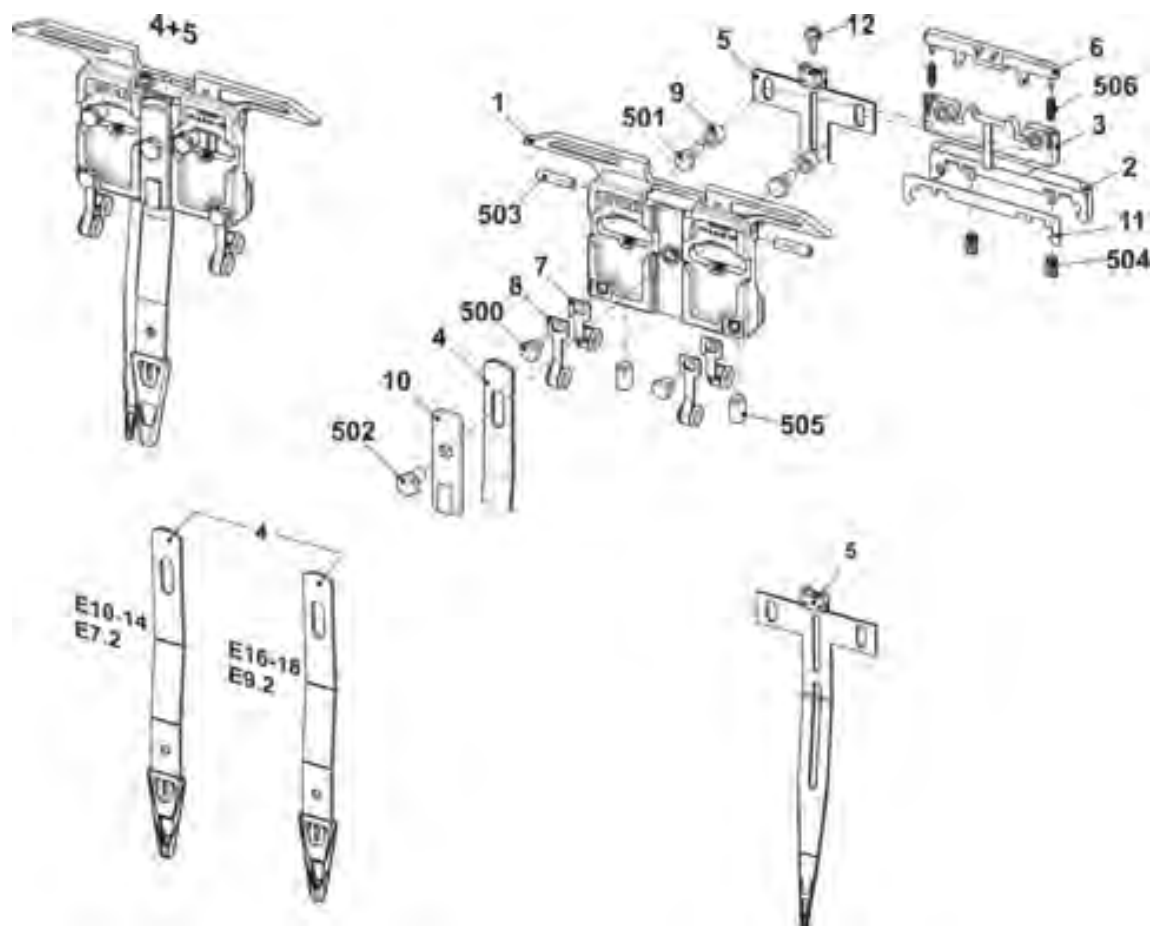
16.7 Plating yarn carrier 3+6

Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 3+6 complete		8	Eyelet holder complete	252 824
	E10-14 E7.2	252 786	9	Distance bushing	252 796
	E16-18 E9.2	252 788	10	Shim	213 035
1	Plating yarn carrier carriage	252 806	11	Shim	216 143
2	Sliding piece	212 583	12	Adjusting screw	253 436
3	Slider	252 798	500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 3+6		501	Hexagon screwM4x10	020 346
	E10-14 E7.2	252 822	502	Hexagon screw	252 832
	E16-18 E9.2	252 823	503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 3+6 E10-E18	252 808	504	Compression spring	021 399
6	Sliding piece	252 797	505	Threaded bolt	213 399
7	Eyelet holder complete	252 825	506	Compression spring	253 058



16.8 Plating yarn carrier 4+5

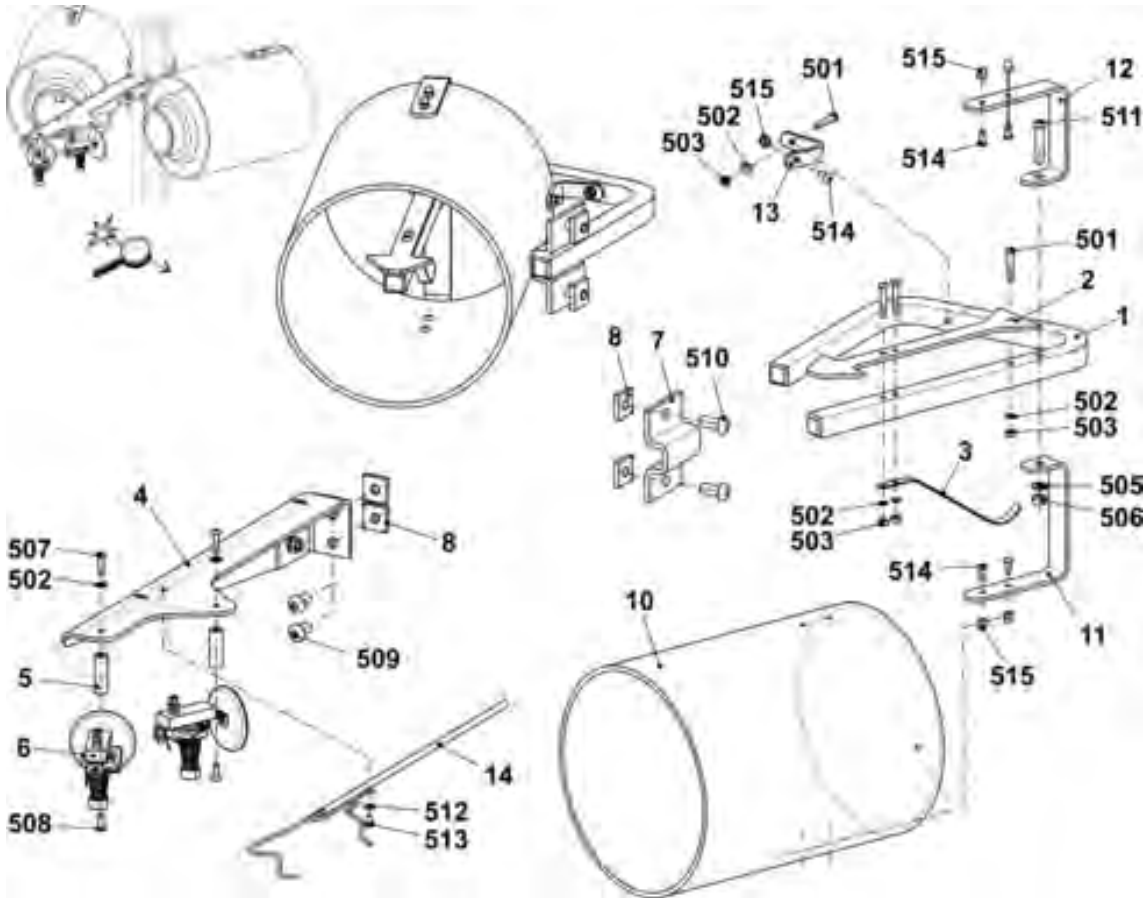
Pos	Designation	Id		Pos	Designation	Id
Σ	Plating yarn carrier carriage 4+5 complete			8	Eyelet holder complete	252 816
	E10-14 E7.2	252 785		9	Distance bushing	252 796
	E16-18 E9.2	252 787		10	Shim	213 035
1	Plating yarn carrier carriage	252 806		11	Shim	216 143
2	Sliding piece	212 583		12	Adjusting screw	253 436
3	Slider	252 798		500	Hexagon screwM4x5	243 779
4	Plating yarn carrier bow 3+6			501	Hexagon screwM4x10	020 346
	E10-14 E7.2	252 792		502	Hexagon screw	252 832
	E16-18 E9.2	252 793		503	Setscrew M4x16	254 196
5	Plating yarn carrier bow 4+5 E10-E18	252 807		504	Compression spring	021 399
6	Sliding piece	252 797		505	Threaded bolt	213 399
7	Eyelet holder complete	252 815		506	Compression spring	253 058



16.9 Bobbin holder on the left

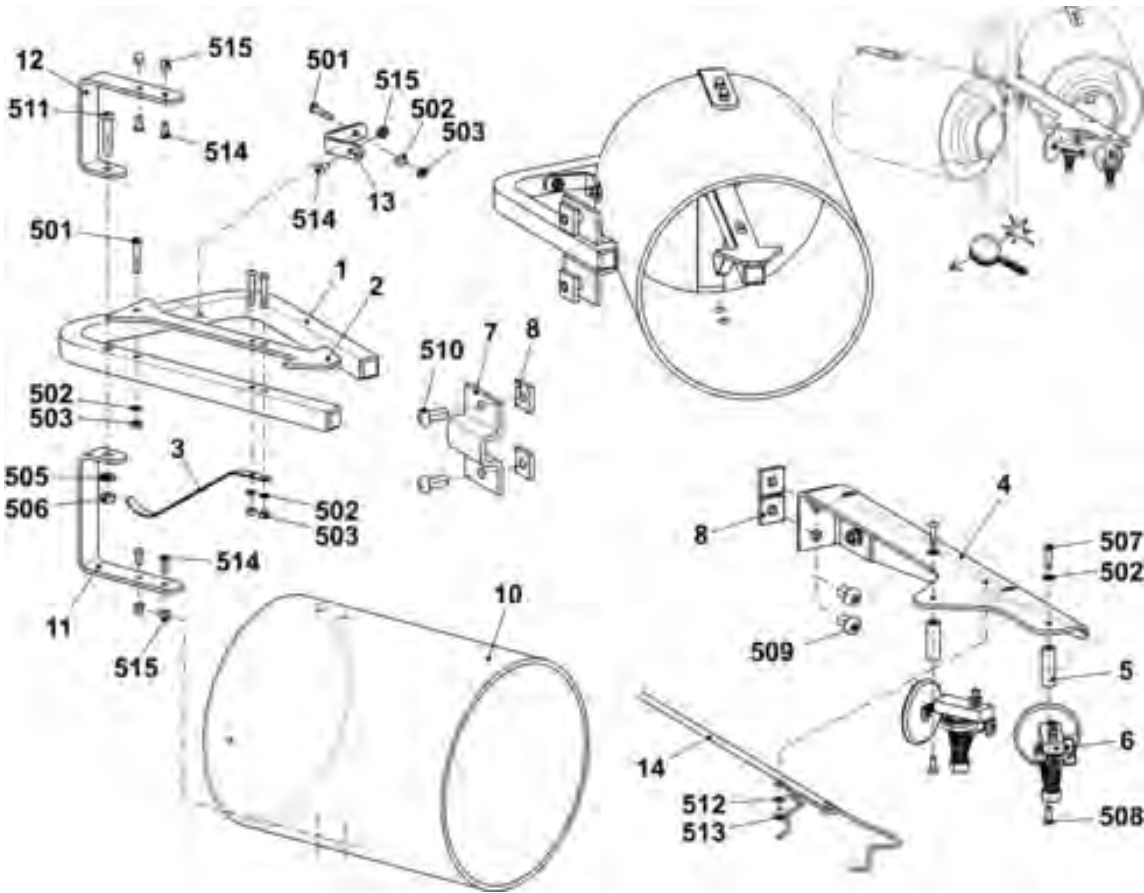
16.9 Bobbin holder on the left

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



16.10 Bobbin holder on the right

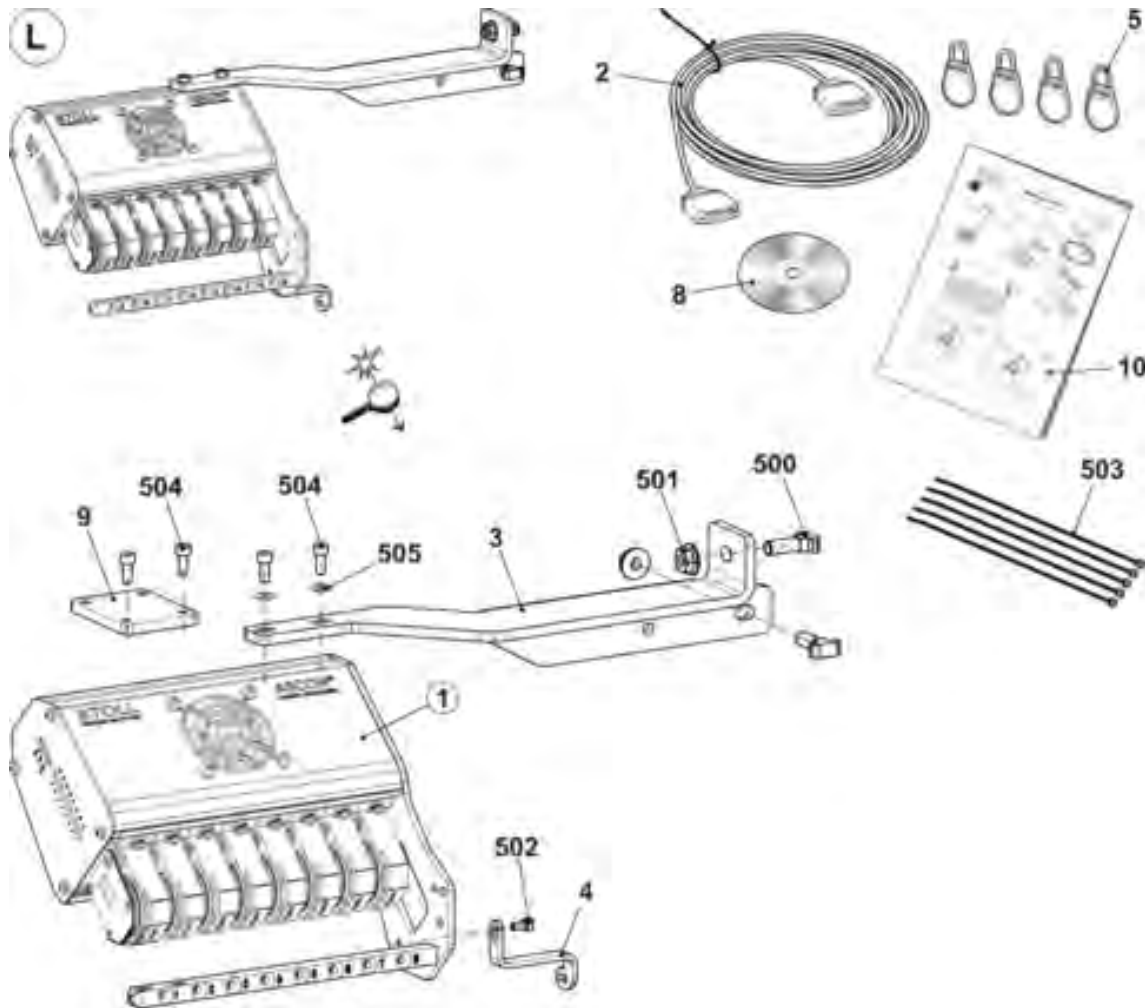
Pos	Designation	ID	Pos	Designation	ID
Σ	Bobbin holder on the right	253 966	501	Pan head screw M4x25	023 511
1	Support	253 969	502	Washer4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer6	022 431
4	Support right	253 348	506	Hexagon nut M6-6	022 899
5	Spacer	253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



16.11 Yarn length measuring device on the left complete

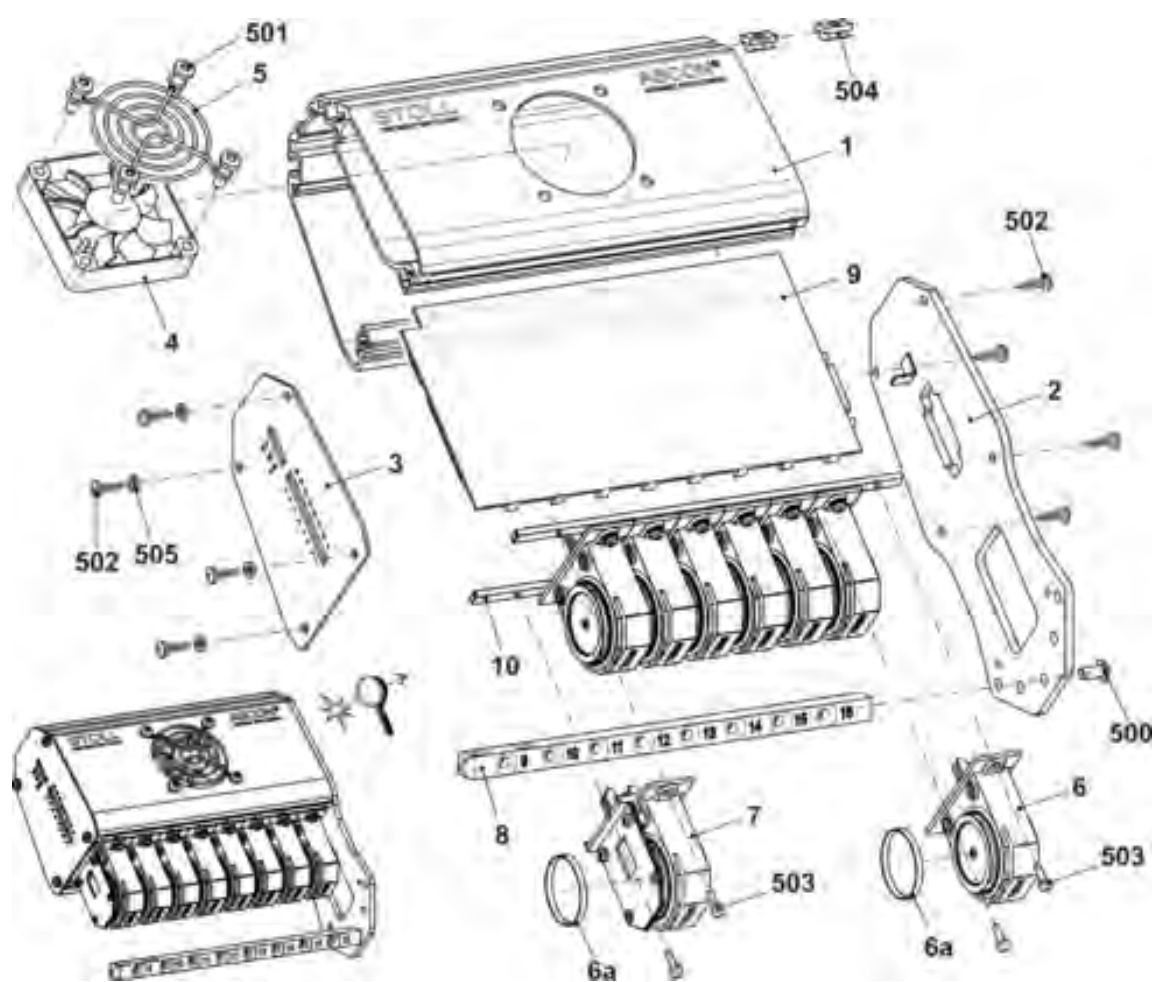
16.11 Yarn length measuring device on the left complete

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



16.11.1 Yarn length measuring device

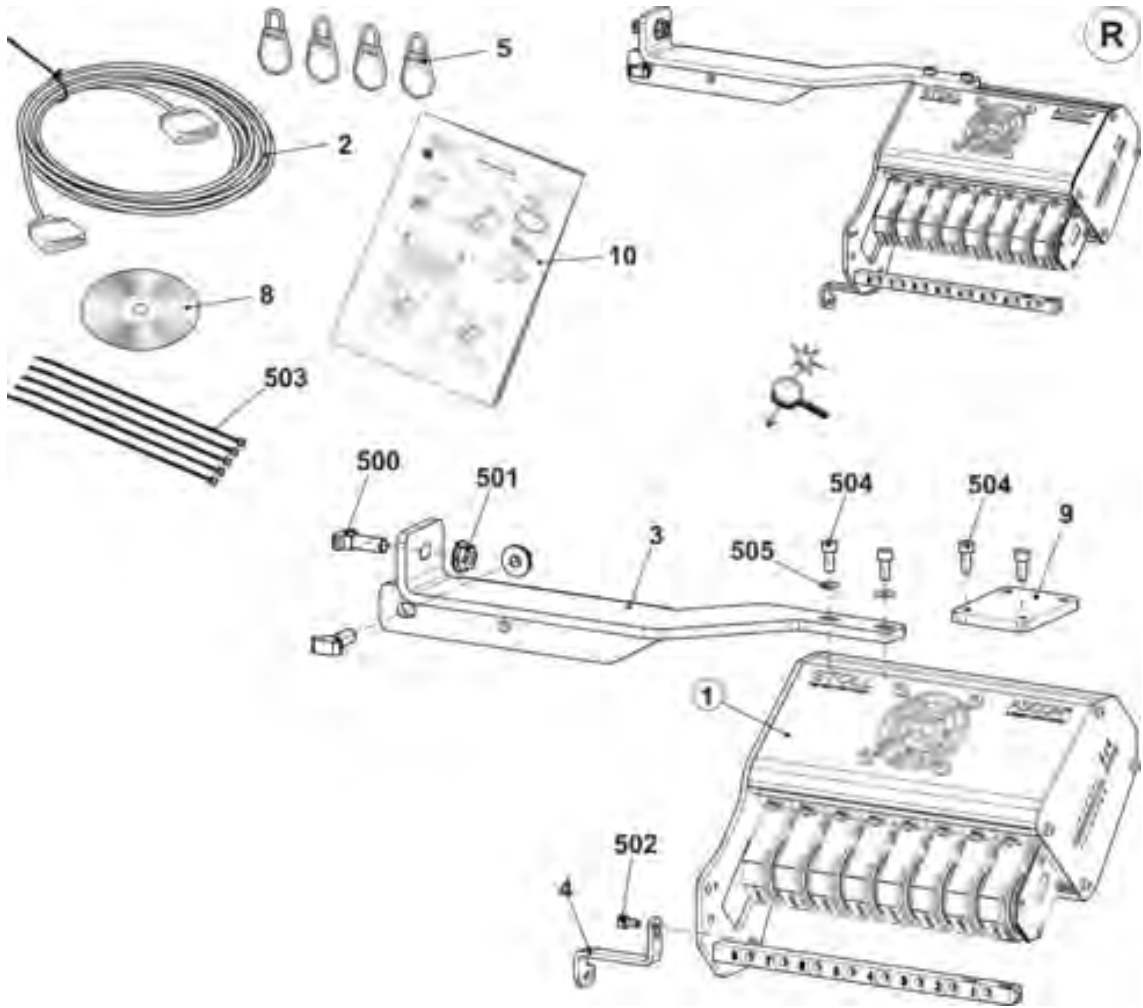
Pos	Designation		Id		Pos	Designation		Id
Σ	Yarn length measuring device on the left complete		257 283		8	Yarn guide rod		257 139
1	Housing		257 281		9	Card Ascon		255 000
2	Support		257 278		10	Threaded strip		257 138
3	Cover		257 273		500	Pan-head screw M5x10		023 247
4	Fan with plug		257 048		501	Screw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



16.12 Yarn length measuring device on the right complete

16.12 Yarn length measuring device on the right complete

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



16.12.1 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

