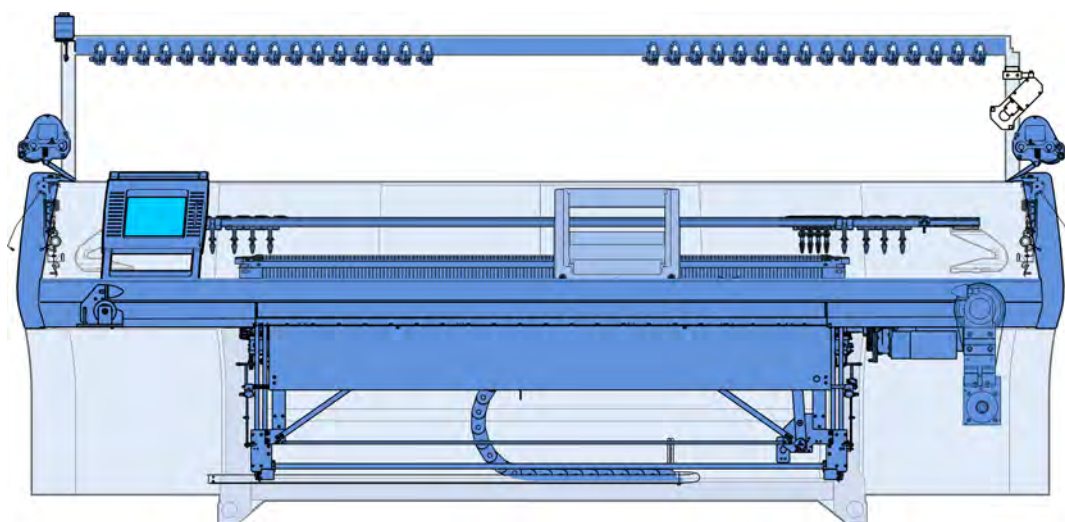


Spare parts catalog

CMS 830C (Type 631)

Component type 005

E2,5.2



1 Introduction

Imprint

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

The indications of this catalog are without liability.

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H. Stoll GmbH & Co.KG

Stollweg 1

D-72760 Reutlingen, Germany

Phone: +49 (07121) 313-289

Fax: +49 (07121) 313-347

e-mail: spareparts@stoll.com

Notes for the order

This catalog serves to order spare parts.

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

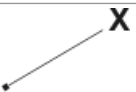
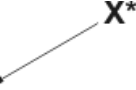
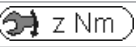
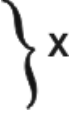
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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

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 side or view.
	Indicates the right-hand side or view.
	Indicates a sectional drawing or a view in the viewing direction.

1.2 Torques

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-cutting threads.
- Torques differing from this preferential row of torques must be taken from the corresponding location in the drawings.

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

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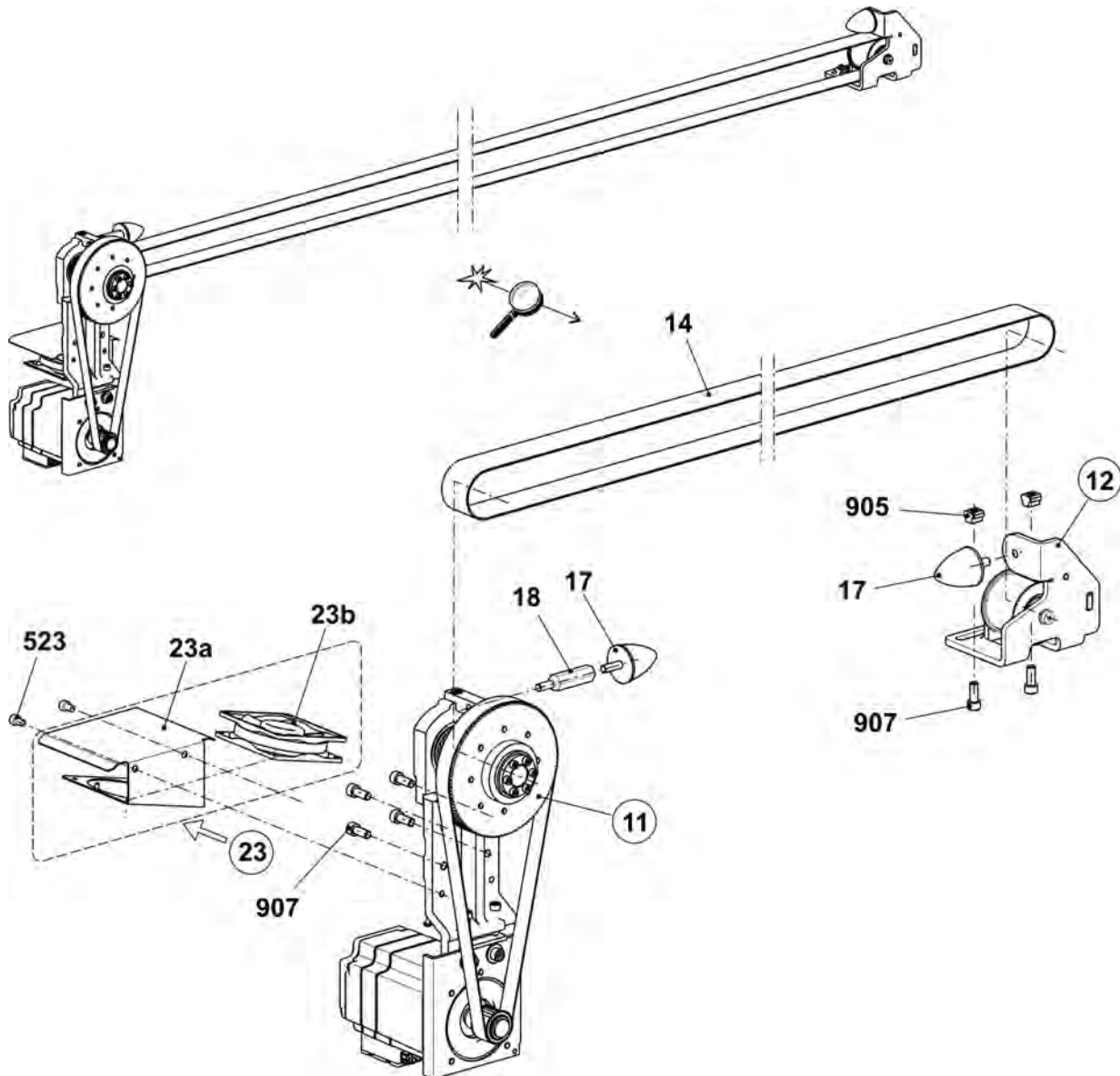
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2 Carriage drive



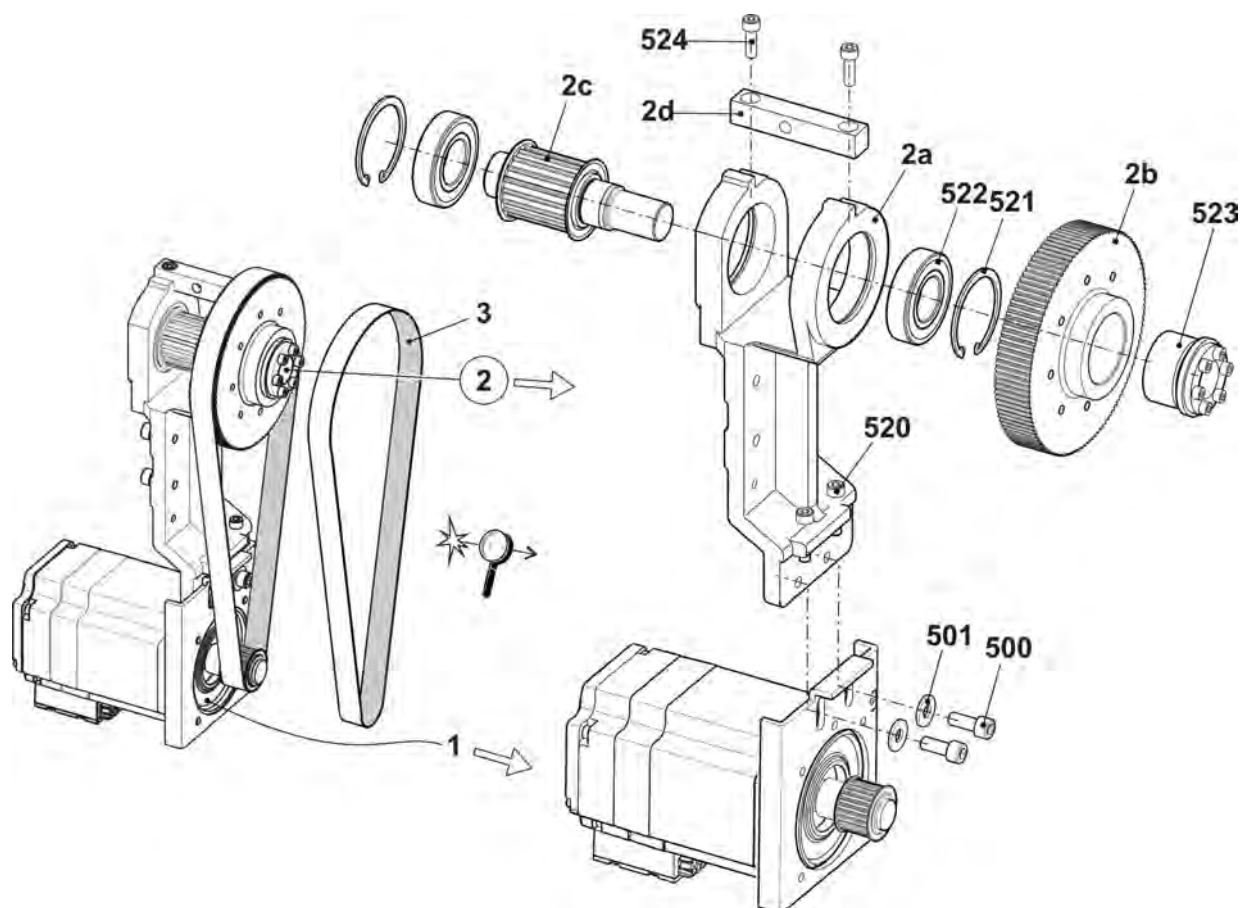
2.1 Drive

Pos	Designation	ID	Pos	Designation	ID
Σ	Drive unit		23	Fan complete	242 413
11	Drive unit complete	240 743	23a	Fan plate drive motor	241 823
12	Tension bearing complete	251 581	23b	Fan complete512	213 722
14	Toothed belt50AT10/7150	236 656	523	Cap screws M8x12	023 138
17	Parabolic spring	200 661	905	Sliding nut M10X12	023 471
18	Hexagon bolt	214 275	907	Cap screw M10X25	020 157



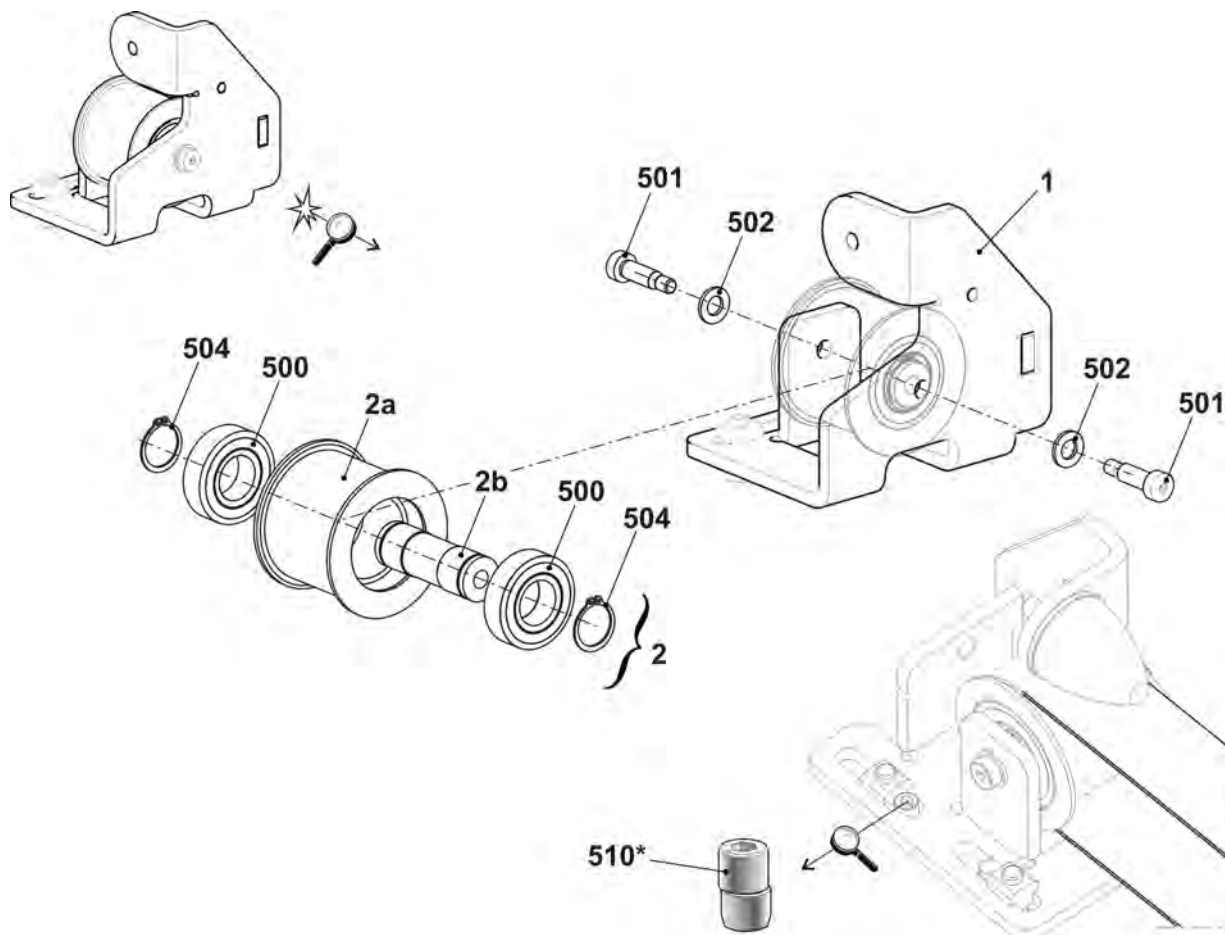
2.1.1 Motor and belt drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive unit complete	240 743			
1	Drive unit	256 301	521	Retaining ring 72x2.5	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	Pinion 57 AT10 18	242 039	3	Toothed belt 250 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	Disk 10,5X25X2,5	022 178



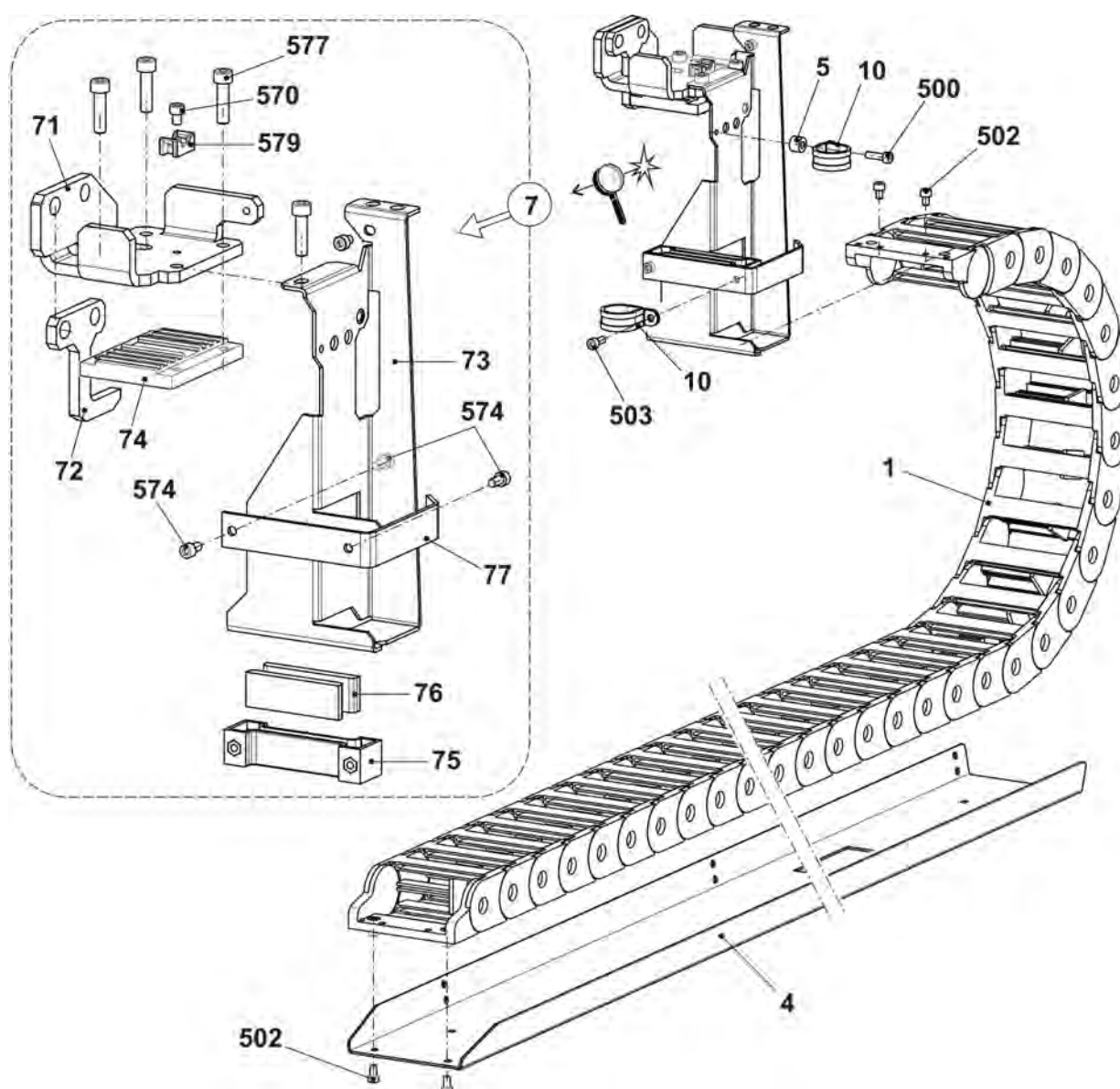
2.1.2 Tension bearing

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

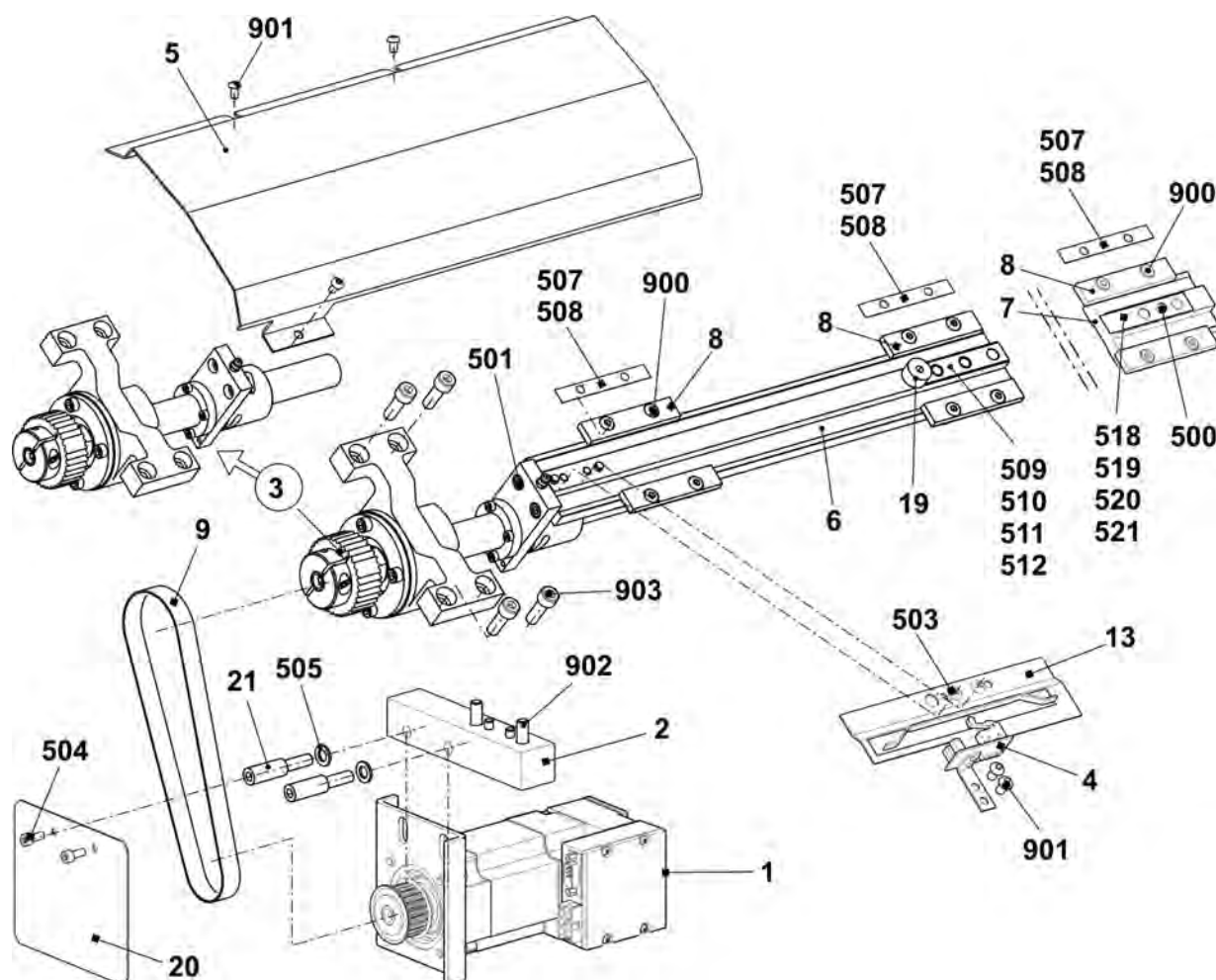


3 Racking

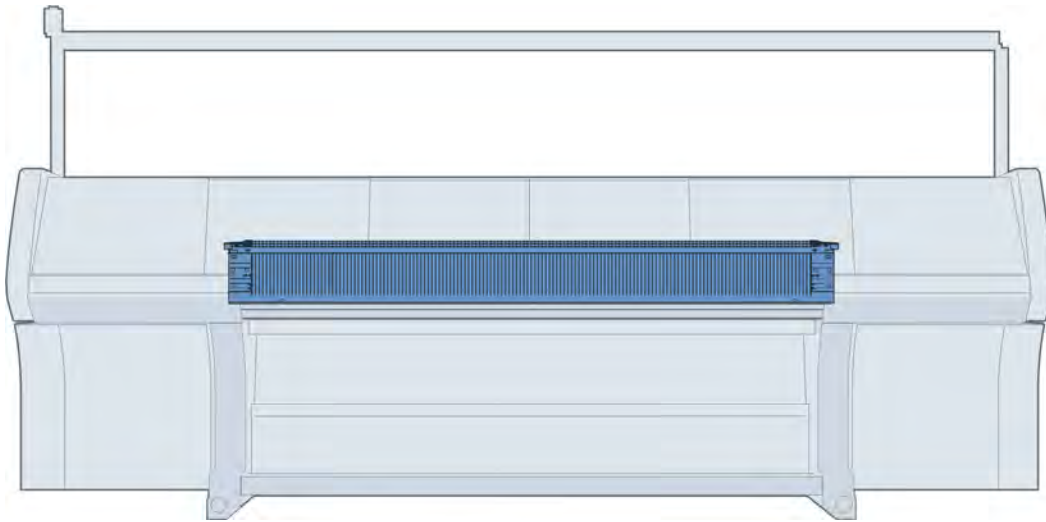


3.1 Racking drive

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Racking				
1	Racking motor complete	258 192	504	Cap screw M5x12	020 132
2	Bearing	227 605	505	Washer	022 175
3	Spindle bearing complete	253 262	507	Shim0,03x11x80	023 286
4	Card racking limit switch	229 396	508	Shim0,05x11x80	023 287
5	Racking cover plate	230 048	509	Shim0,03x15x85	023 162
6	Racking strip	241 921	510	Shim0,05x15x85	023 163
7	Racking strip on the left	240 696	511	Shim0,1x15x85	023 164
8	Guide strip	206 382	512	Shim0,2x15x85	023 170
9	Toothed belt150 S 5M 490	229 281	518	Shim0,03x15x75	023 395
13	Switch plate	240 722	519	Shim0,05x15x75	023 396
19	Stop screw	221 386	520	Shim0,1x15x75	023 397
20	Cover plate	232 544	521	Shim0,2x15x75	023 398
21	Distance bolt	232 543	900	Cap screw M6x12	022 795
500	Cap screw M4x4	022 767	901	Pan-head screw M6x10	023 183
501	Cap screw M6x16	023 116	902	Cap screw M8x30	020 143
503	Pan-head screw M6x10	023 183	903	Cap screw M8x25	020 142

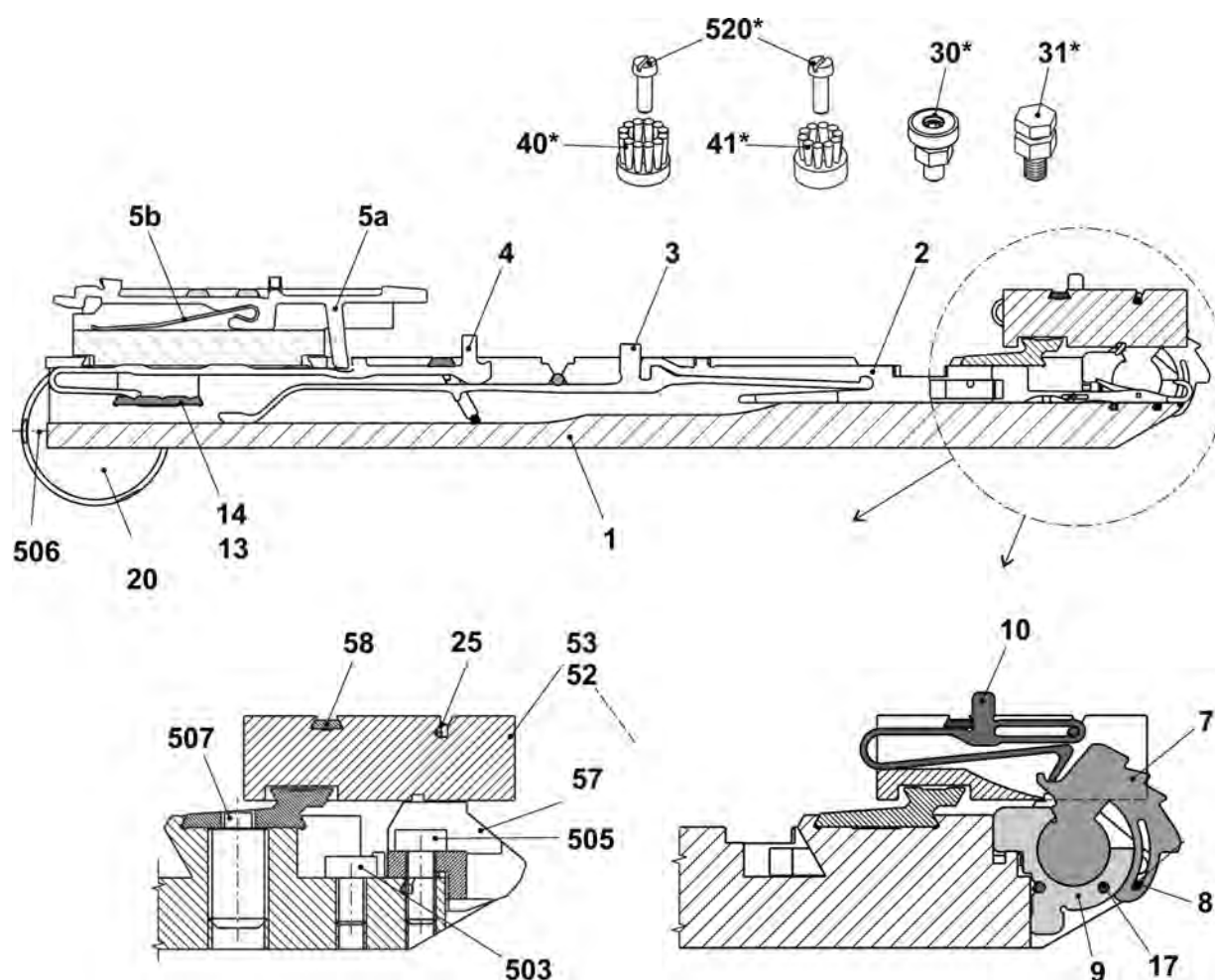


4 Needle beds



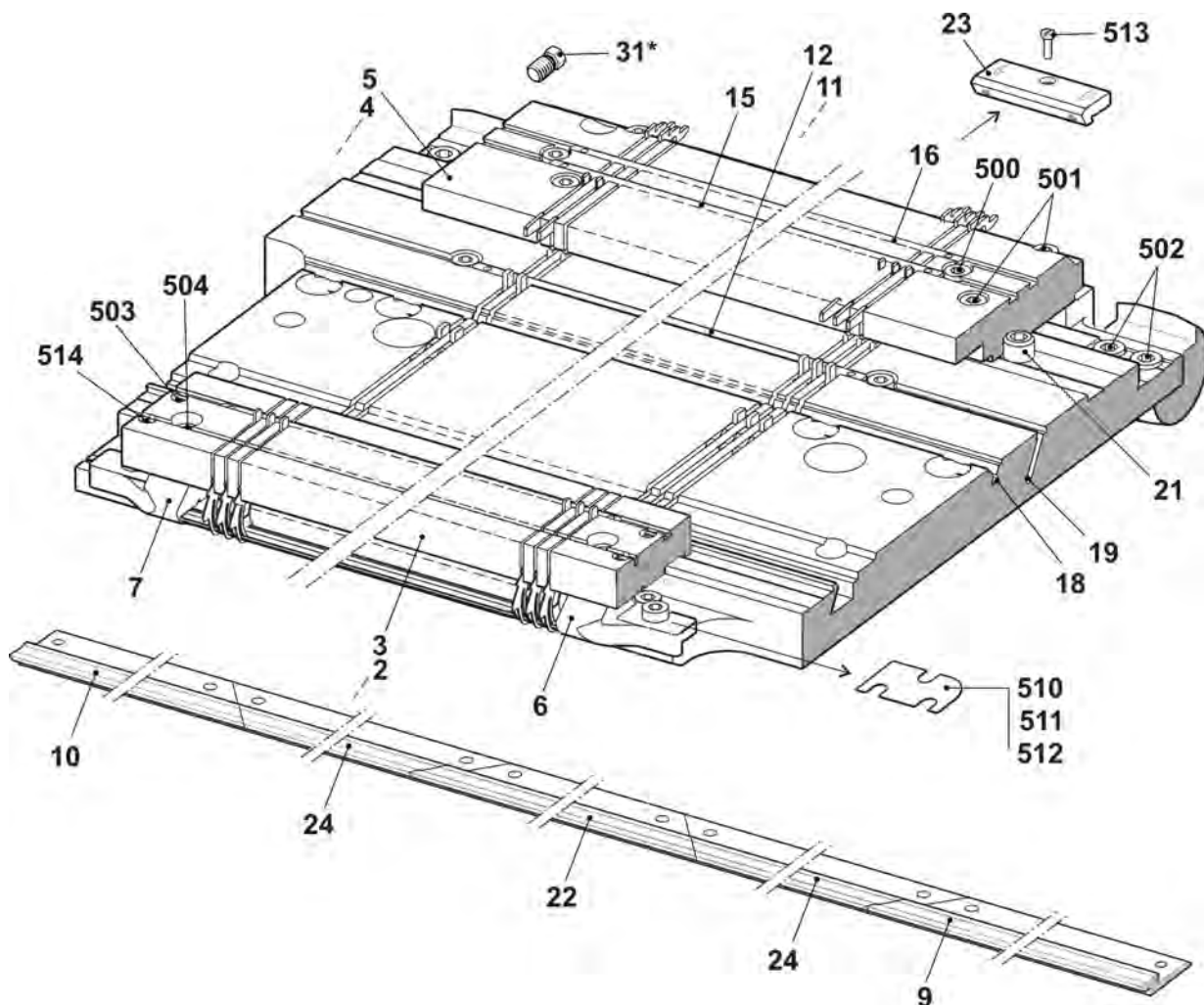
4.1 Needle bed E2,5.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle bed complete at the front and rear E2,5.2	265 393			
1	Needle bed at the front + rear	264 805	25	Locating wire D=1,5	239 206
2	Needle ultra-coarse E2,5.2	238 071	52	Holding-down jack bed frontE5	237 303
3	Coupling part E3-4	239 194	53	Holding-down jack bed rear E5	237 306
4	Intermediate slider E3-4	218 799	57	Limiter on the right E4-8	205 344
5a	Selection jack E3-4	213 372	58	Holding-down jack slideE4-5	237 374
5b	Selector spring E4-8	200 690	30*	Adjusting pieceD = 15	206 375
7	Holding-down jack	264 788	31*	Set screw complete	207 712
8	Spring steel wire E4-5 D=1	237 406	40*	Disk brush	235 612
9	SupportE2,5.2	237 200	41*	Disk brush 12	202 600
10	SpringE2,5.2	237 425	503	Cap screw M5x8	023 154
13	Spring slide at the frontE4-5	237 380	505	Cap screw M5x12	022 943
14	Spring slide at the rear E4-5	237 381	506	Setscrew M6x12	022 400
17	Locating wire D=1,6	237 384	507	Springy thrust piece B-M10	023 177
20	Support	206 352	520*	Cap screw M5x12	020 032



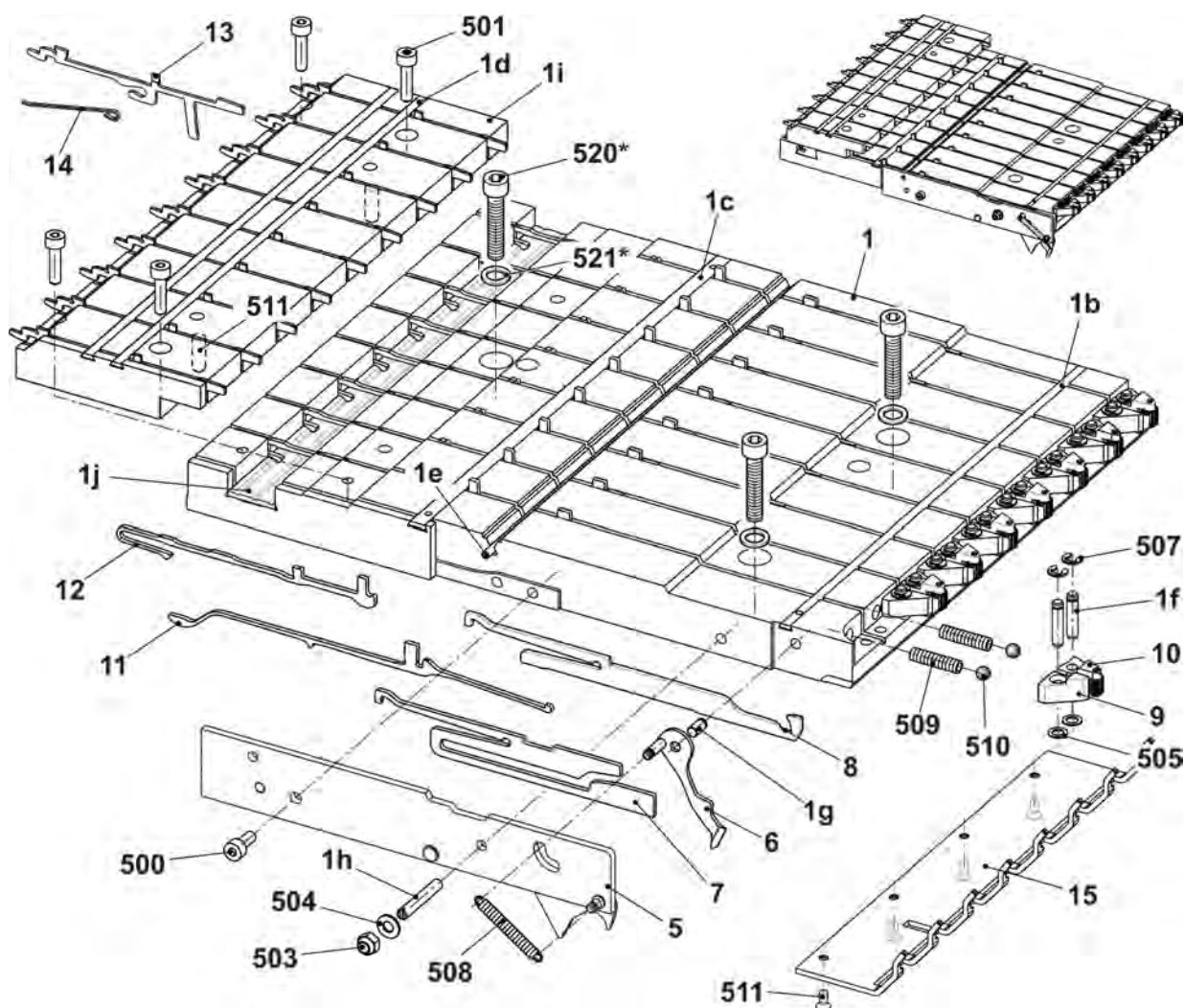
4.2 Continuation needle bed E2,5.2

Pos	Designation	ID	Pos	Designation	ID
2	Holding-down jack bed frontE5	237 303	22	Needle bar in the middle	237 838
3	Holding-down jack bed rear E5	237 306	23	Clamping piece	236 649
4	Selection jack bed at the front E5	237 309	24	Needle bar on the left + right	237 837
5	Selection jack bed at the rear E5	237 312	31*	Adjusting bolt	240 765
6	Limiter on the left E4-8	205 343	500	Cap screw M5x10	022 918
7	Limiter on the right E4-8	205 344	501	Cap screw M5x20	020 133
9	Needle bar on the left	237 835	502	Cap screw M6x14	022 658
10	Needle bar on the right	237 836	503	Cap screw M5x8	023 154
11	Cover rail at the front E5	237 377	504	Cap screw M5x25	023 523
12	Cover rail at the rear	237 379	510	Shim0,05x18,5x34	023 196
15	Cover rail	237 382	511	Shim0,10x18,5x34	023 197
16	Cover rail	237 383	512	Shim0,20x18,5x34	023 253
18	Locating wire D=2,8	223 862	513	Cap screw M2,5x8	023 756
19	Spring steel wire D=2,0	223 854	514	Cap screw M3x5	022 688
21	Eccentric	204 603			



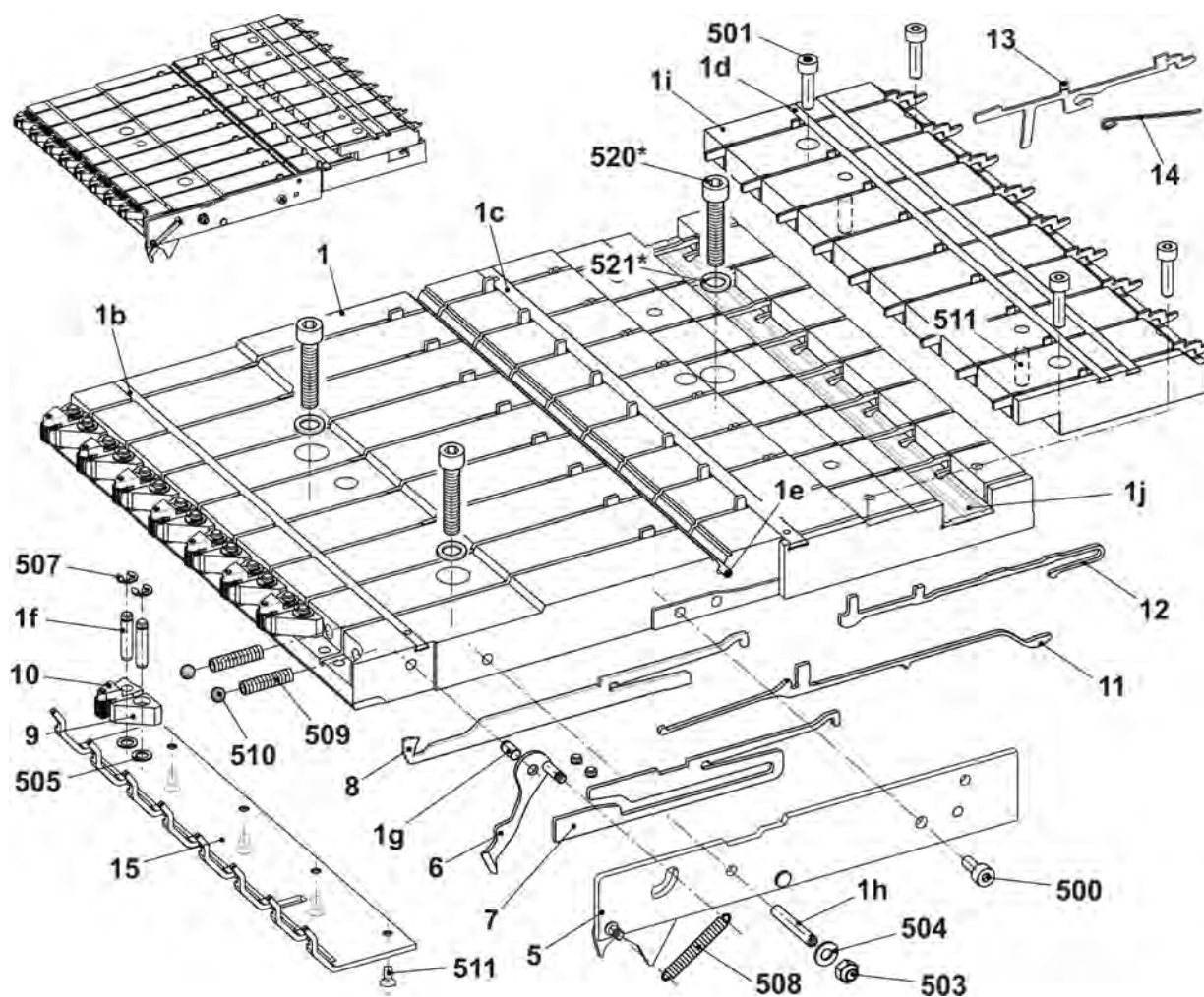
4.3 Left clamping/cutting bed

Pos	Designation	ID	Pos	Designation	ID
Σ	Left clamping and cutting bed E3-4m.3L	261 806			
1	Guide plate with EPT on the left E3-4m.3L	261 805	11	Coupling part E3-4	213 348
1b	Cover rail	211 358	12	Intermediate slider E3-4	218 799
1c	Cover rail	216 105	13	Selection jack E3-4	213 372
1d	Cover rail	209 224	14	Selector spring E4-8	200 690
1e	Locating wire	215 927	15	Deflector plate on the left	262 359
1f	Bolts E3-4m.3L	261 786	500	Cap screw M4x10	023 136
1g	Axle	257 201	501	Cap screw M4x16	020 131
1h	Guide pin	211 351	503	Hexagon nut M4	023 046
1i	Selection jack bed on the left E3-4	215 906	504	Washer 4	020 870
1j	Spring slide	215 908	505	Washer 4,3x7x0,5	022 153
511	Dowel pin 5x12	021 988	507	Circlip 3,2	021 019
5	Cover on the left complete E3-4	215 925	508	Tension spring 4x0,55x18,9	023 392
6	Catch hook on the left E3-4	215 887	509	Compression spring 0,9x3,6x24,36	023 331
7	Slider	215 827	510	Ball 5	023 309
8	Catch needle on the left E3-4m.3L	261 544	511	Countersunk screw M3x6	020 286
9	Blade on the left E3-4m.3L	262 350	520*	Cap screw M6x25	023 335
10	Clamp on the left complete E3-4m.3L	262 293	521*	Washer 7,6x11,6x1,5	023 334



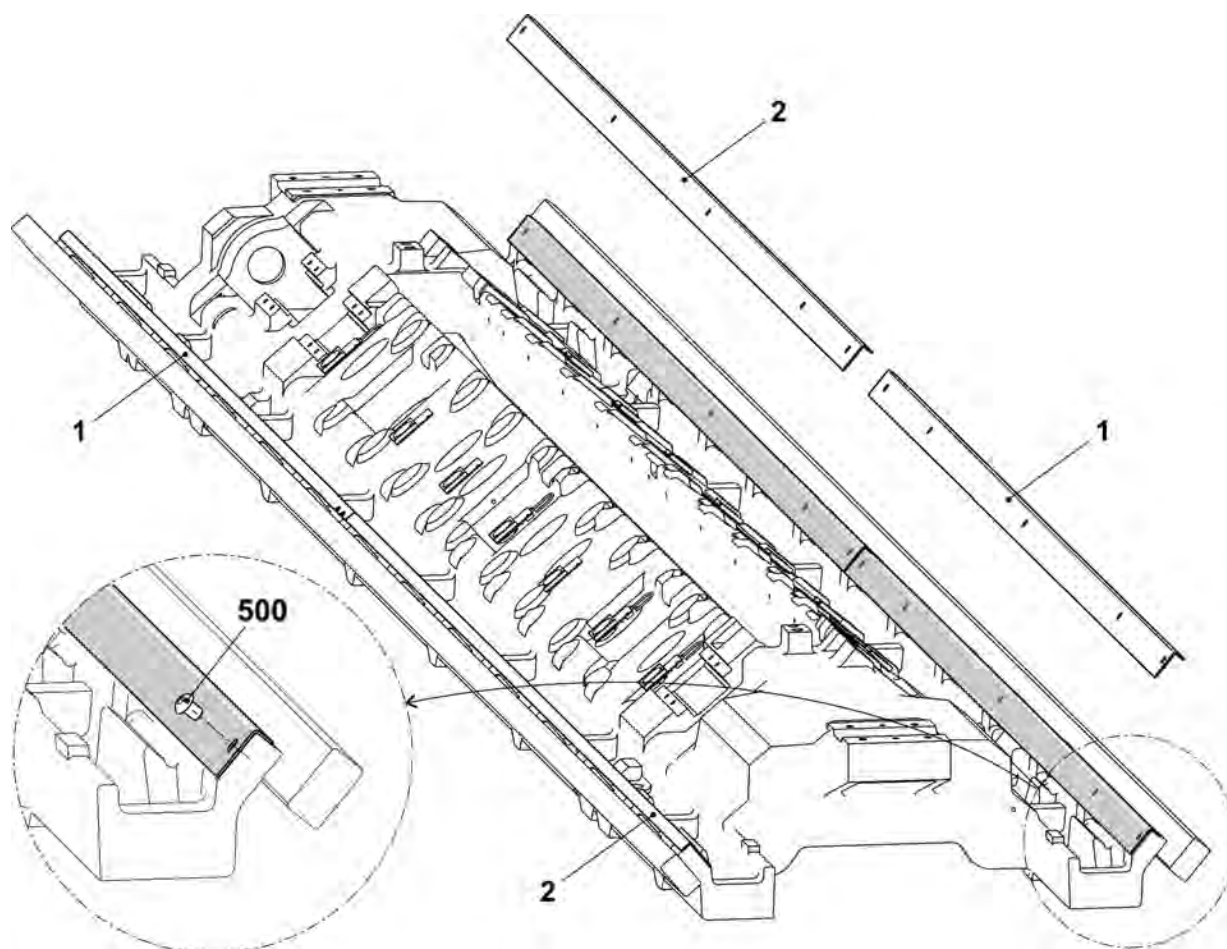
4.4 Clamping/cutting bed on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Clamping and cutting bed on the right E3-4m.3L	261 785			
1	Guide plate EPT on the right E3-4m.3L	261 784	11	Coupling part E3-4	213 348
1b	Cover rail	211 358	12	Intermediate slider E3-4	218 799
1c	Cover rail	216 105	13	Selection jack E3-4	213 372
1d	Cover rail	209 224	14	Selector spring E4-8	200 690
1e	Locating wire	215 927	15	Deflector plate on the right	262 360
1f	Bolts E3-4m.3L	261 786	500	Cap screw M4x10	023 136
1g	Axle	257 201	501	Cap screw M4x16	020 131
1h	Guide pin	211 351	503	Hexagon nut M4	023 046
1i	Selection jack bed on the right E3-4	215 907	504	Washer 4	020 870
1j	Spring slide	215 908	505	Washer 4,3x7x0,5	022 153
511	Dowel pin 5x12	021 988	507	Circlip 3,2	021 019
5	Cover on the left complete E3-4	215 926	508	Tension spring 4x0,55x18,9	023 392
6	Catch hook on the right E3-4	215 888	509	Compression spring 0,9x3,6x24,36261 786	023 331
7	Slider	215 827	510	Ball 5	023 309
8	Catch needle on the right E3-4m.3L	261 545	511	Countersunk screw M3x6	020 286
9	Blade on the right E3-4m.3L	262 351	520*	Cap screw M6x25	023 335
10	Clamp on the right complete E3-4m.3L	262 294	521*	Washer 7,6x11,6x1,5	023 334

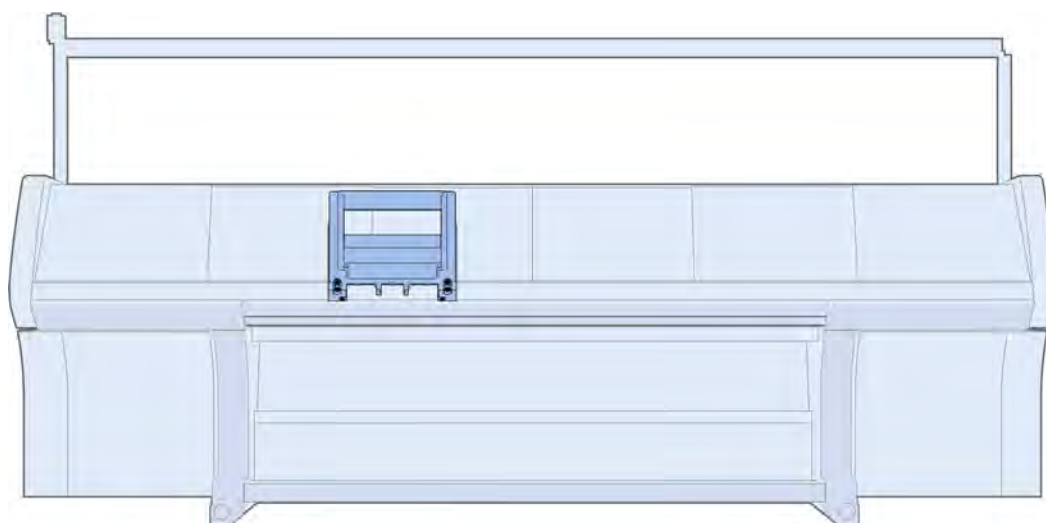


4.5 Cover on the left and on the right

Pos	Designation	ID	Pos	Designation	ID
1	Cover on the left	243 428	500	Pan-head screw M8x10	241 930
2	Cover on the right	243 429			

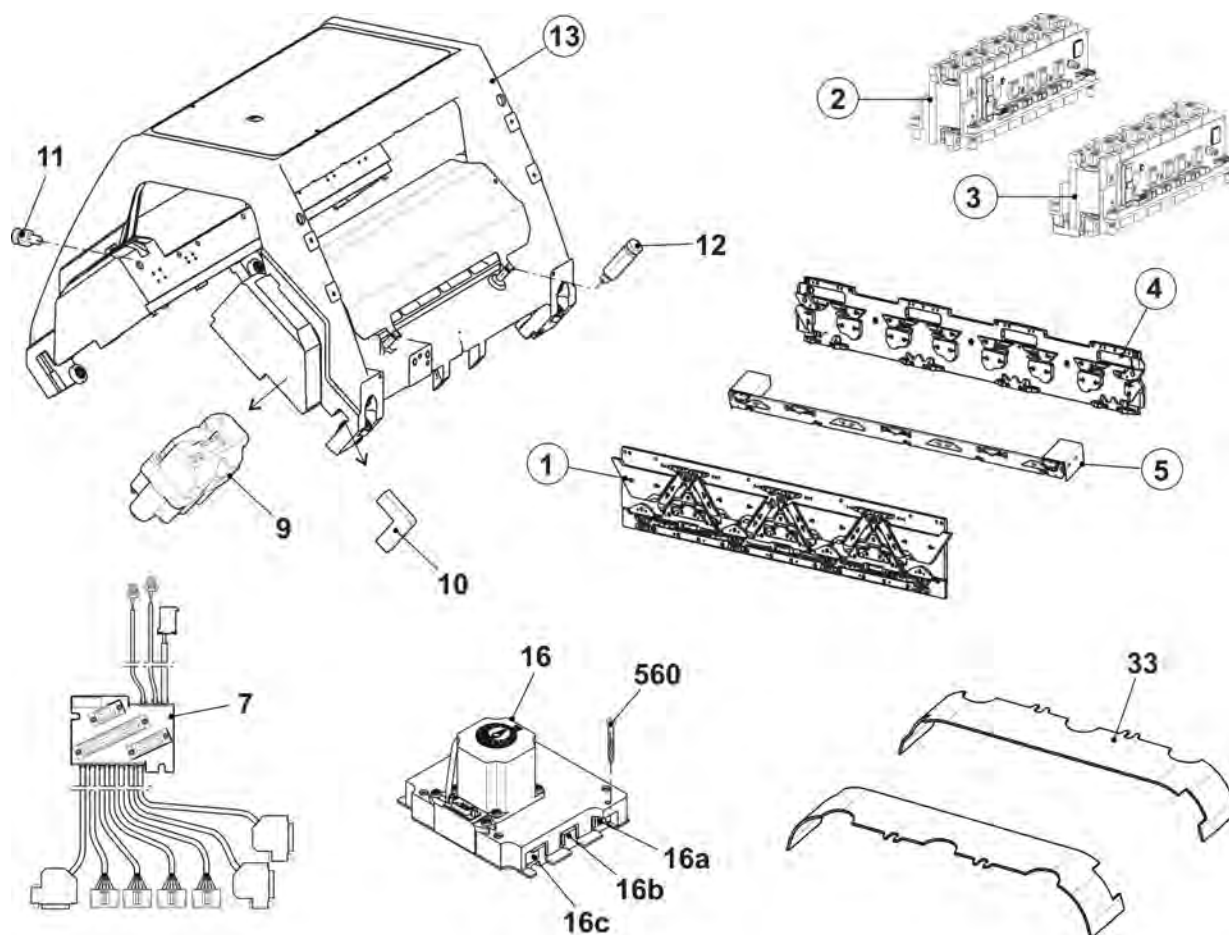


5 Carriage



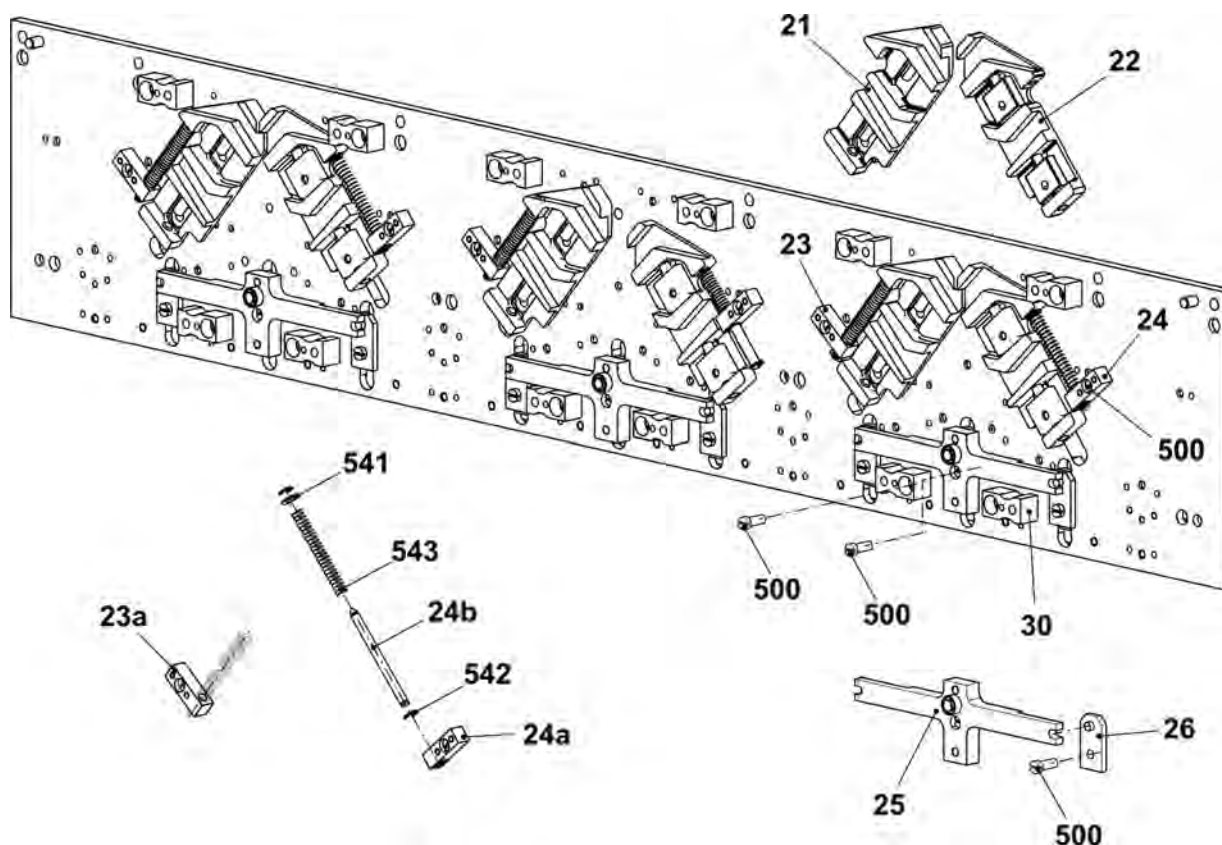
5.1 Overview of Carriage Parts

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage completeE2,5.2	256 646	11	Bolts	212 392
1	Needle cam complete	244 344	12	Bolts	243 171
2	FF driving outside complete	241 080	13	Carriage assembly 3 cam boxes 830C	256 500
3	FF driving in the middle complete	241 081	16	Motor unit complete	214 946
4	Jack cam box complete	244 345	16a	Gear rack at the top	265 348
5	Cam box holding-down jacksE2,5.2	244 346	16b	Gear rack in the middle	265 349
7	Distributor at the rear 830C okc3	259 675	16c	Gear rack at the bottom	261 393
9	Selection system completeE2 - E8	216 218	560	Screw M4x30	023 290
10	Wiper felt	241 411	33	Cover plate at the top	265 390



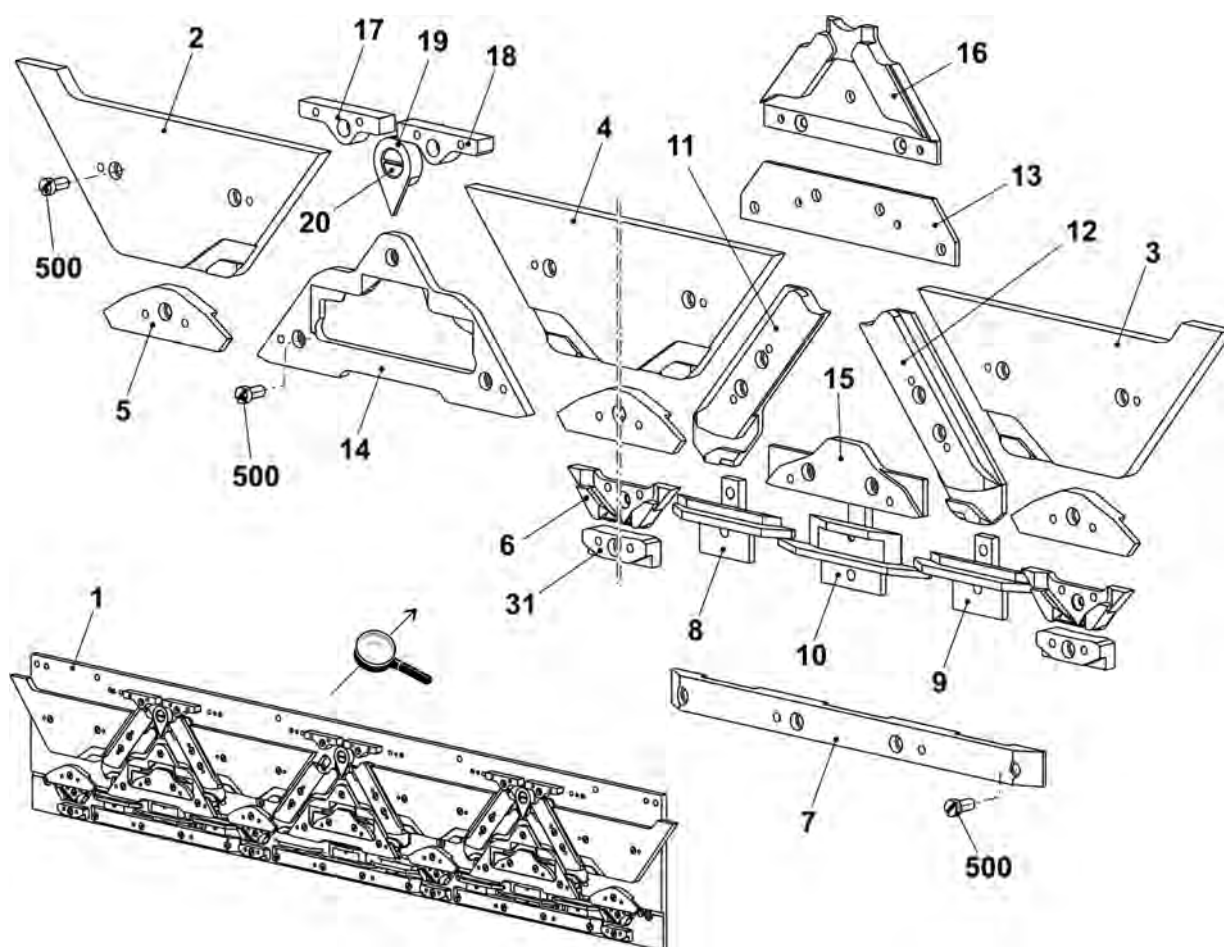
5.2 Needle cam at the top

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle cam complete	244 344			
21	Loop sinking cam on the left complete	214 657	24	541 Disk4,3x7x0,5	022 153
22	Loop sinking cam on the right complete	214 656		542 Circlip 3,2	021 019
23	Rod guide element on the left	214 477		543 Compression spring	023 344
	23a Rod guide element on the left	214 475	25	Switching piece	214 322
24	Rod guide element on the right	214 478	26	Slider	214 336
	24a Rod guide element on the right	214 473	30	Spacer	214 603
	24b Spring rod	214 476	500	Cap screw M4x8	020 091



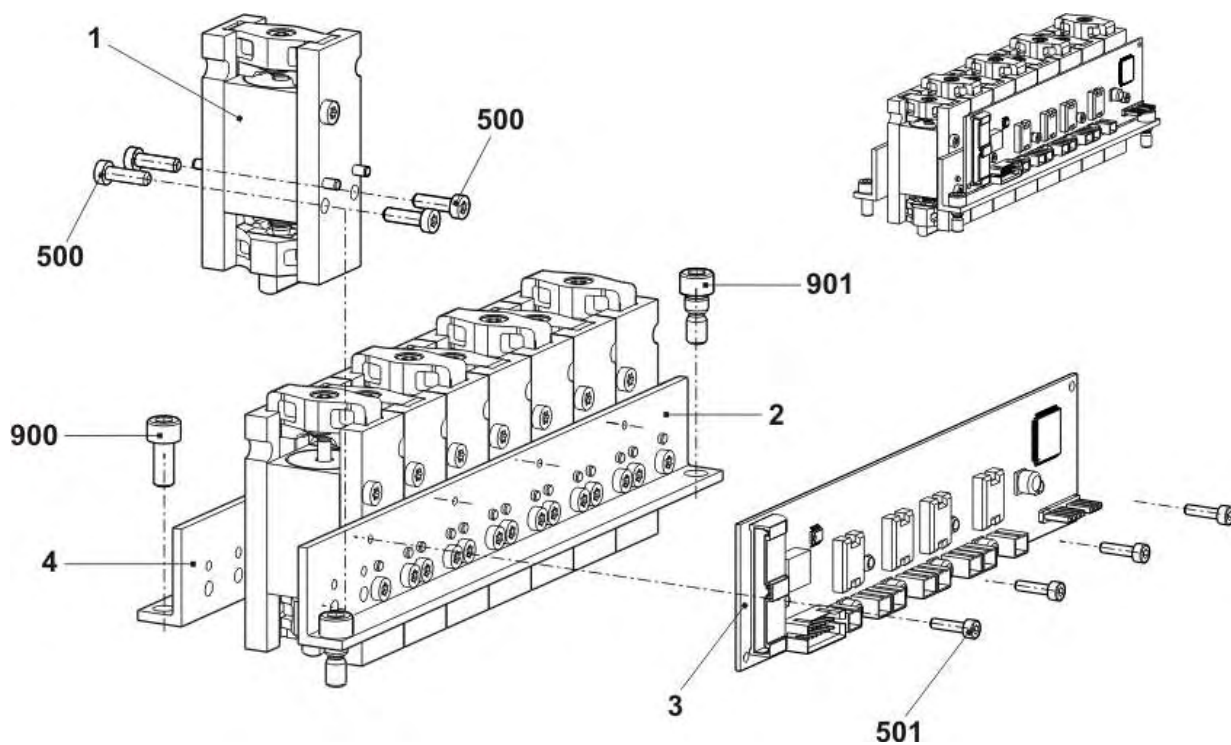
5.3 Needle cam at the bottom

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle cam box complete (at the bottom)	244 344	12	Stitch cam on the right E3-4	214 896
1	Needle cam plate E2,5-5	245 214	13	Knitting raising plate	214 286
2	Entry cam on the left E3-4	214 850	14	Raising cam without split-stitch	216 012
3	Entry cam on the right E3-4	214 851		Raising cam with split-stitch (Accessories)	216 011
4	Entry cam in the middle E3-4	214 852	15	Receiving cam	214 190
5	Entry cam	214 579	16	Tuck limiting cam E2,5.2	218 047
6	Knitting position cam E3-4	220 179	17	Limiting cam on the left E3-4	218 048
7	Pressure strip E3-4	214 663	18	Limiting cam on the right E3-4	218 049
8	Pressure part receiving on the left E3-4	216 008	19	Pointer E3-4	218 050
9	Pressure part receiving on the right E3-4	216 009	20	Screw	214 576
10	Tuck pressure part E3-4	216 130	31	Limiting cam at the bottom E3-4	215 994
11	Stitch cam on the left E3-4	214 895	500	Cap screw M4x8	020 091



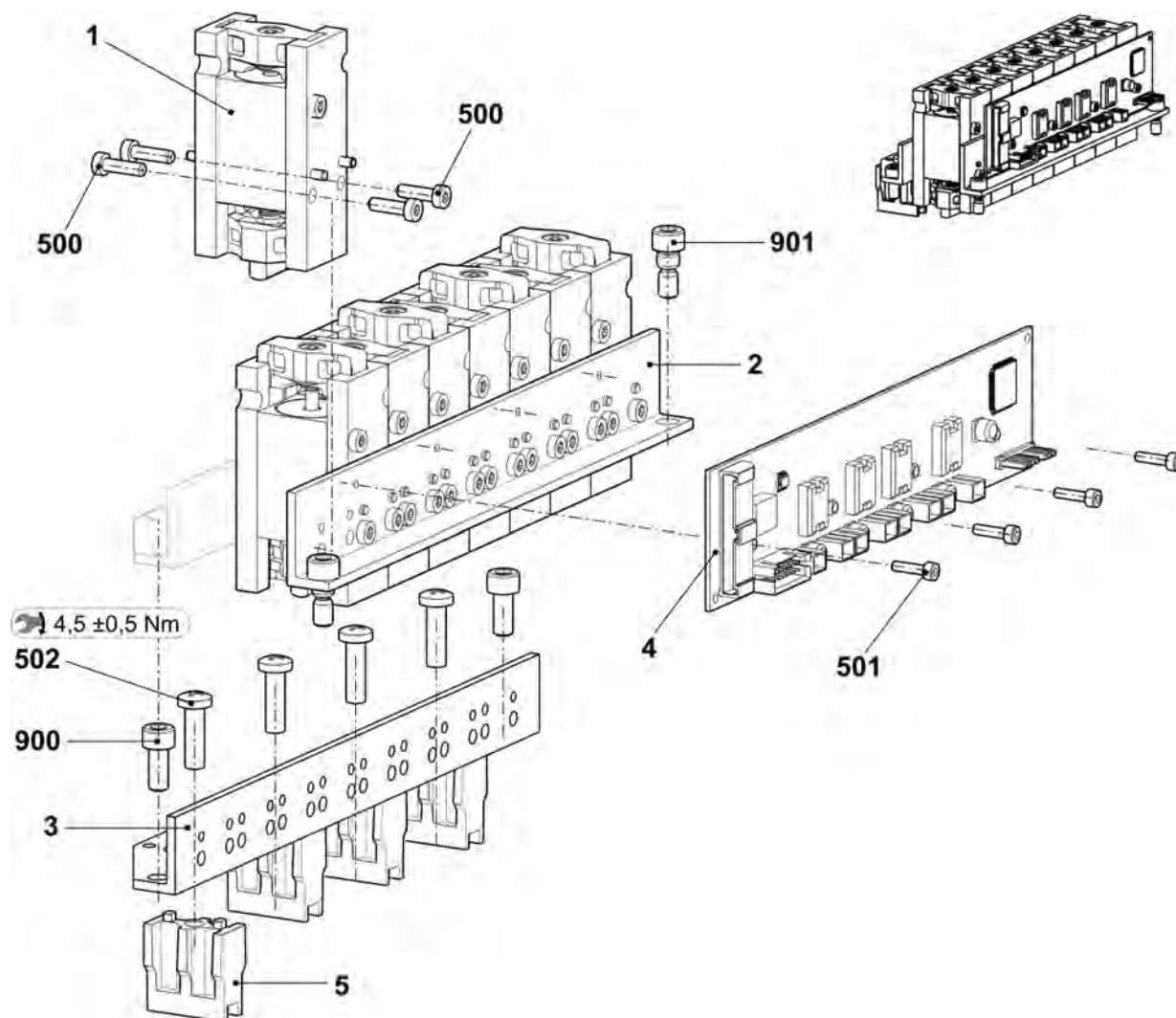
5.4 Yarn carrier driving without guide part

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



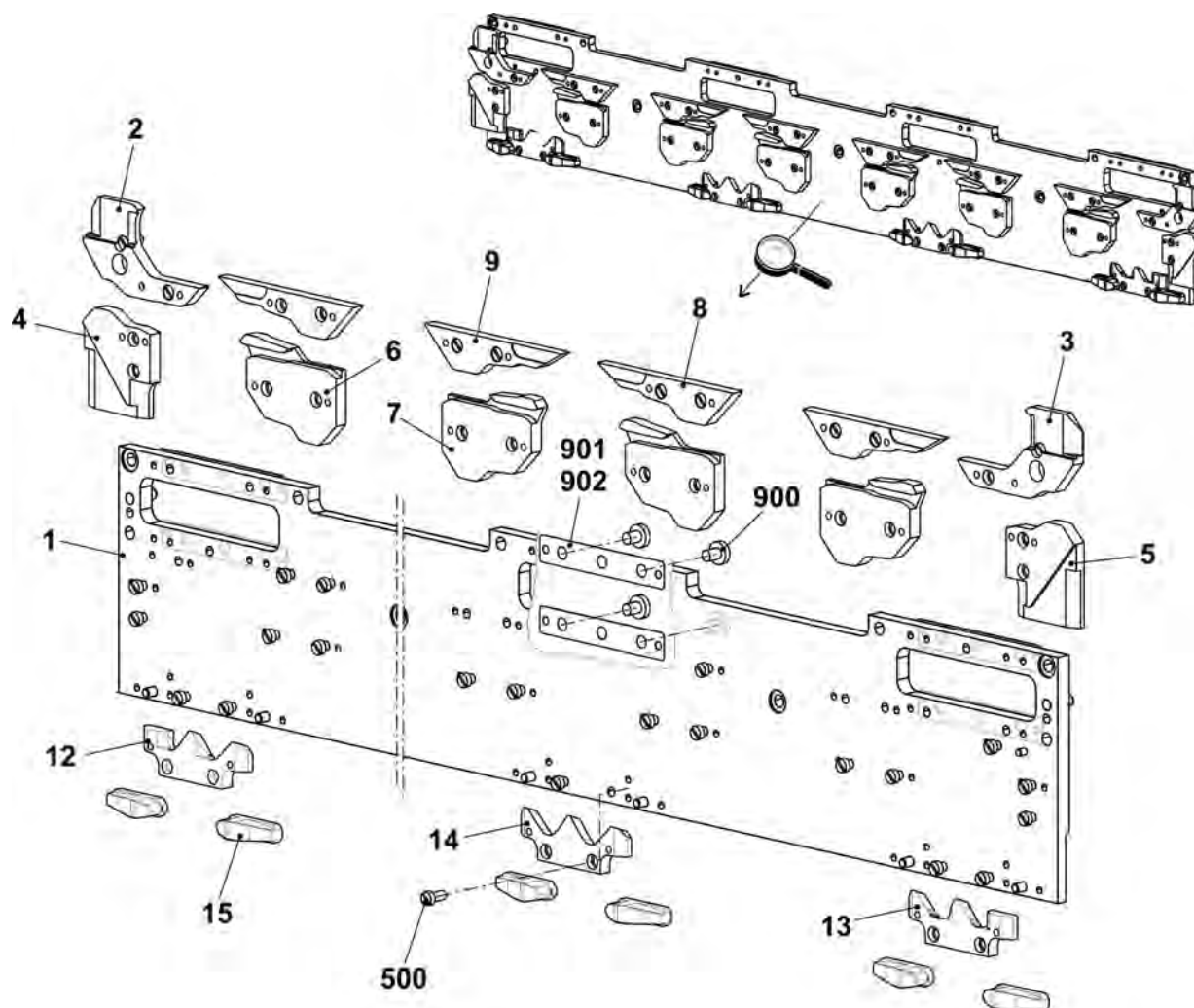
5.5 Yarn carrier driving with guide part

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



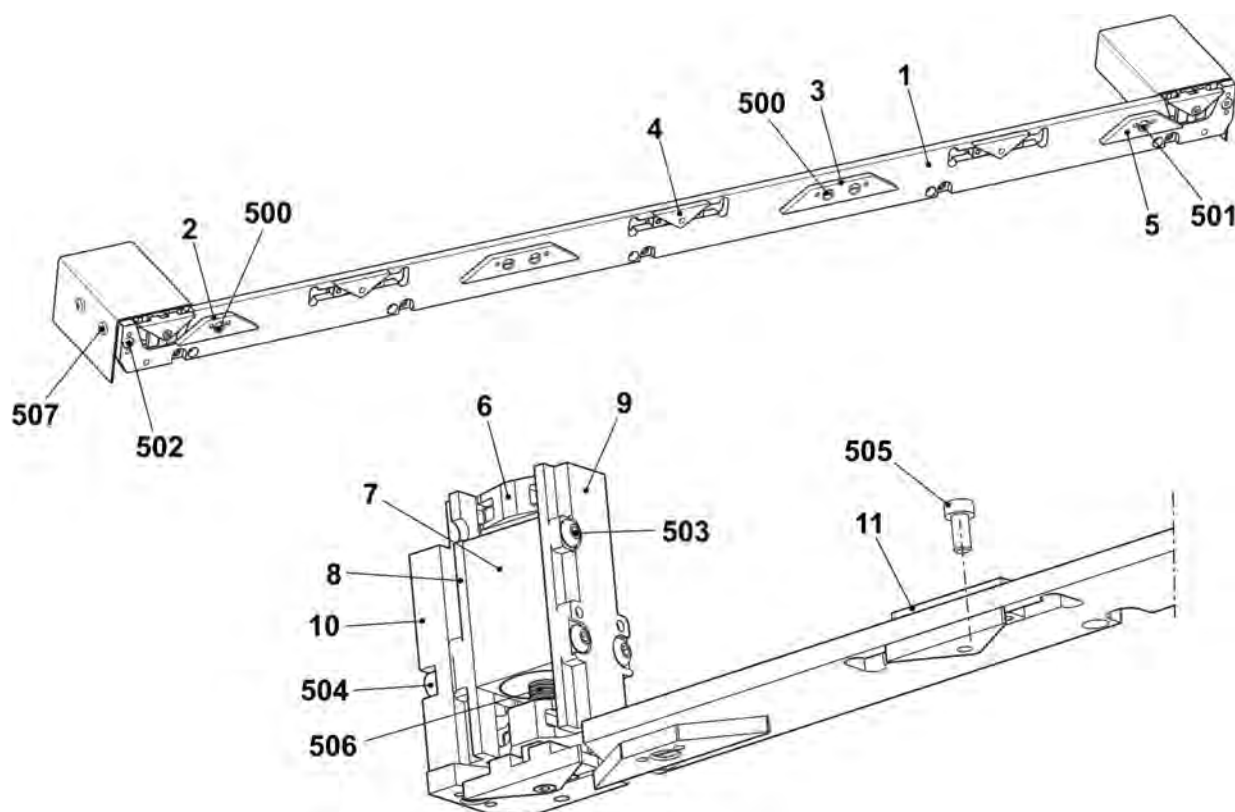
5.6 Jack cam box

Pos	Designation	ID	Pos	Designation	ID
Σ	Jack cam box complete	244 345	9	Cam at the right E3-4	213 938
1	Jack cam box plateE2,5-5	245 215	12	Selection cam on the left	213 868
2	Cam on the left	214 594	13	Selection cam on the right	213 870
3	Cam part at the right	214 596	14	Selection cam	213 869
4	Cam on the left	214 586	15	Offering cam	210 185
5	Cam part at the right	214 587	500	Cap screw M4x8	020 091
6	Cam on the left E3-4	213 911	900	Pan-head screw M3x4	023 142
7	Cam at the right E3-4	213 915	901	Shim0,1x12x75	022 830
8	Cam on the left E3-4	213 920	902	Shim0,2x12x75	022 831



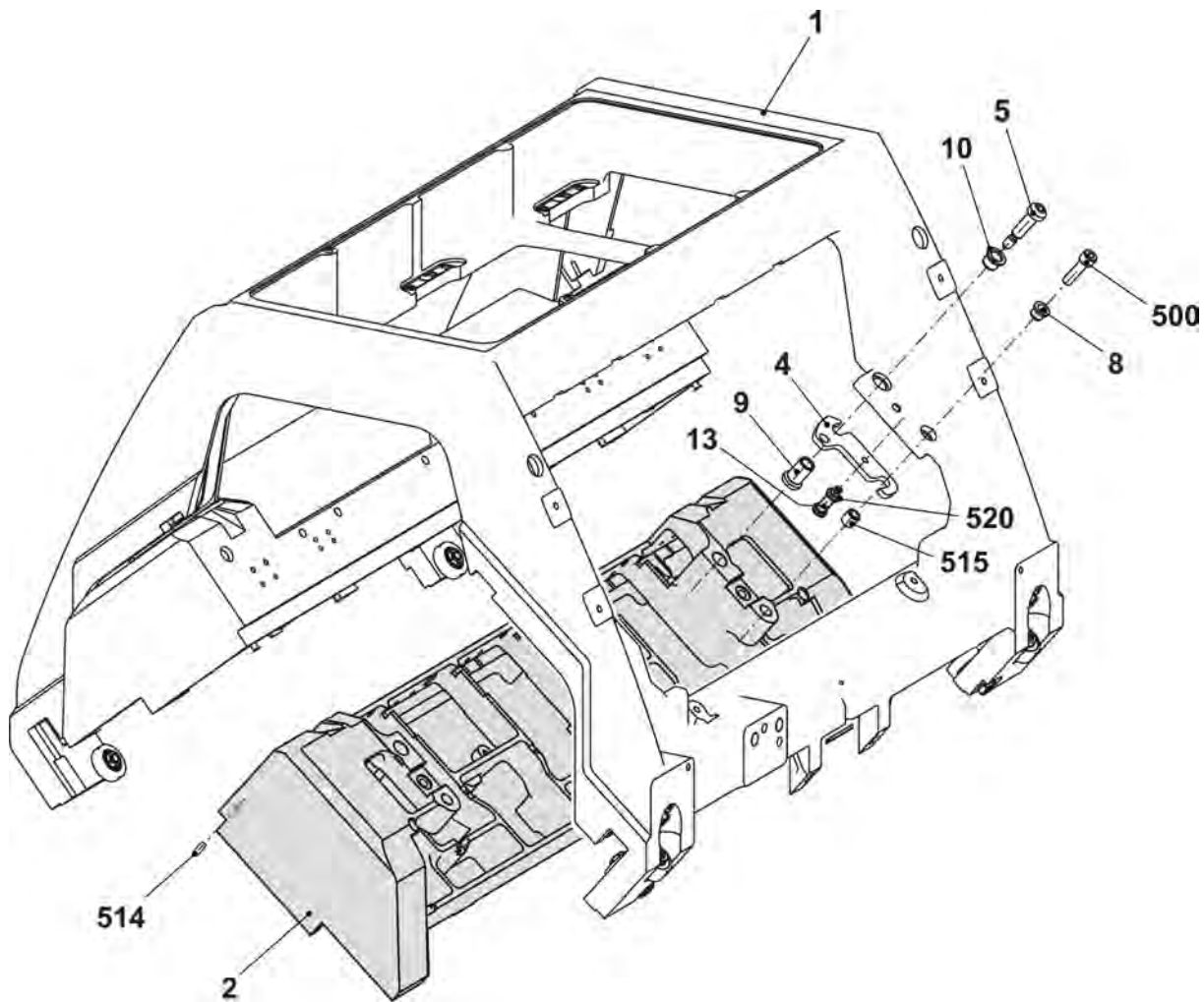
5.7 Holding-down jack cam box E2,5.2

Pos	Designation	ID	Pos	Designation	ID
Σ	Holding-down jack cam box E2,5.2	244 346	10	Magnet holderE4-5	237 285
1	Jack cam box plate	237 424	11	Slider	237 453
2	Closer outsideE2,5.2	237 436	500	Cap screw M4x8	020 020
3	CloserE2,5.2	237 435	501	Screw KB30x8	236 228
4	Jack openerE2,5.2	237 346	502	Cap screw M4x10	023 136
5	Jack opener switchable E2,5.2	237 437	503	Pan-head screw M4x10	023 450
6	Yoke	237 343	504	Cap screw M4x16	020 131
7	Magnet holding-down jack control40V/BI	237 426	505	Pan-head screw M4x10	020 295
8	Guide on the left	227 308	506	Compression spring 0,48x7,02x17,29	023 654
9	Guide on the right	227 309	507	Pan-head screw M4x8	023 579



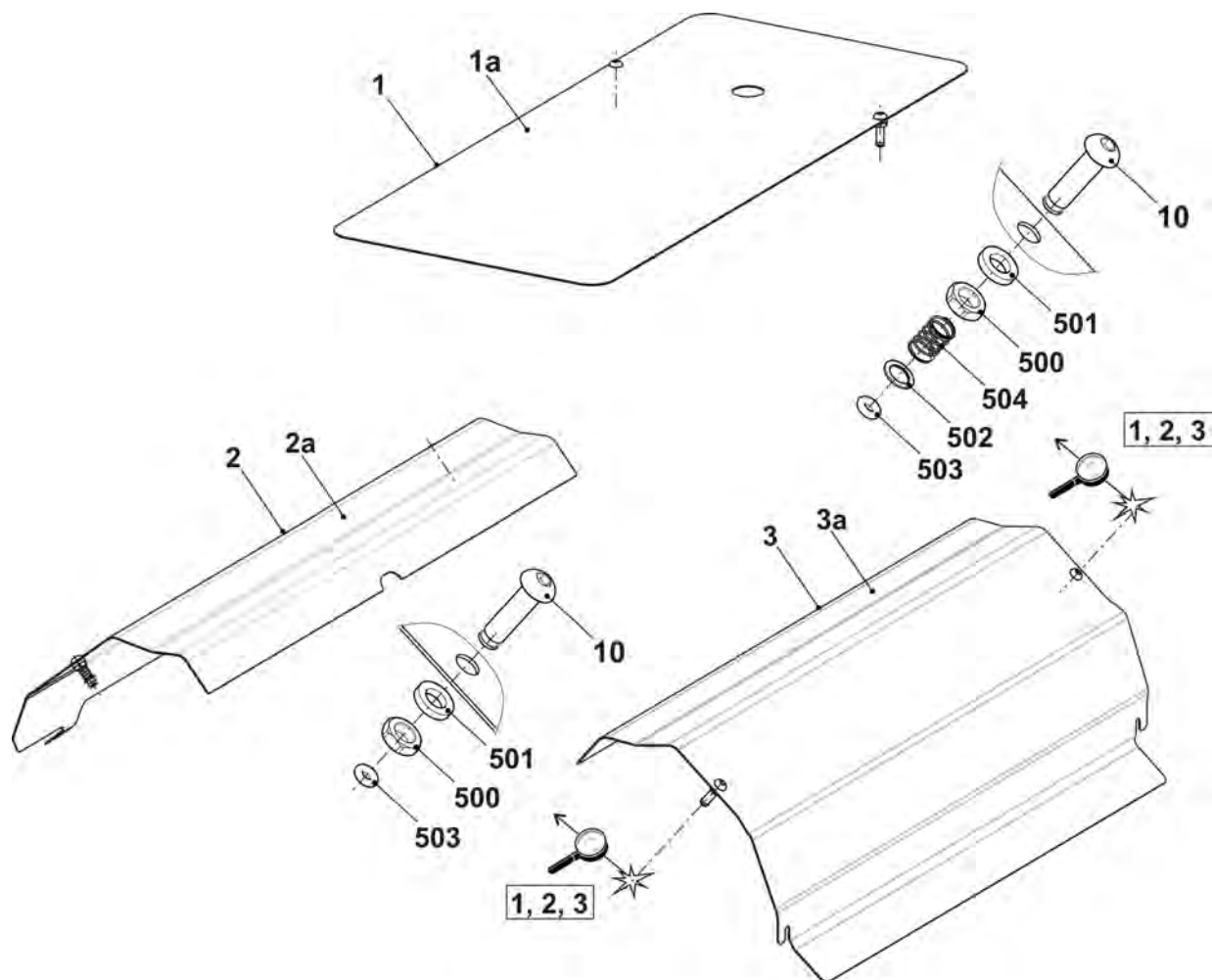
5.8 Carriage assembly

Pos	Designation	ID	Pos	Designation	ID
Σ	Carriage assembly 3 cam boxes C	256 500			
1	Carriage frame, 3 cam boxes	259 017	10	Bush	209 274
2	Carriage part 3 cam boxes C	242 697	13	Locating bolt linking spot	244 179
4	Shim	225 312	500	Cap screw M8x30	020 143
5	Shoulder screw	211 750	514	Dowel pin 5x14	020 670
8	Bush	207 546	515	Threaded bush	041 863
9	Bush	209 275	520	Circlip6	021 022



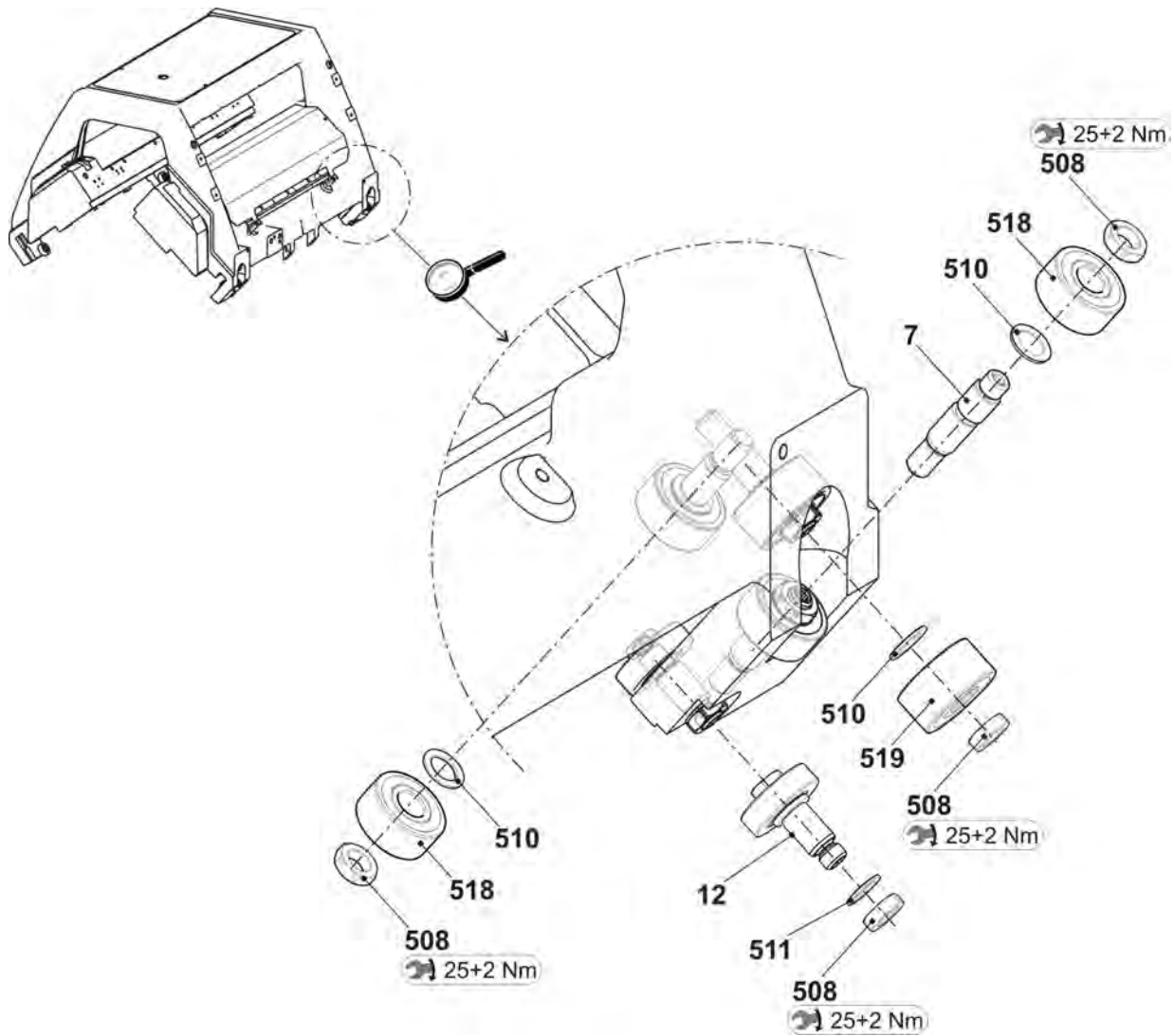
5.9 Carriage cover

Pos	Designation	ID	Pos	Designation	ID
1	Carriage cover at the top 4 cam boxes complete	257 101	10	Locating bolt	242 382
	1a Carriage cover at the top 4 cam boxes 6Z	256 511	500	Hexagon nut M6	257 088
2	Carriage cover at the rear complete	257 173	501	Serrated lock washer 6,4	022 385
	2a Carriage cover at the rear 830C	256 772	502	Washer 6.1x9x0,5	023 554
3	Carriage cover at the front complete	257 172	503	O-ring 3x2	242 420
	3a Carriage cover at the front 520C	256 771	504	Compression spring 0,48x7,02x17,29	023 654



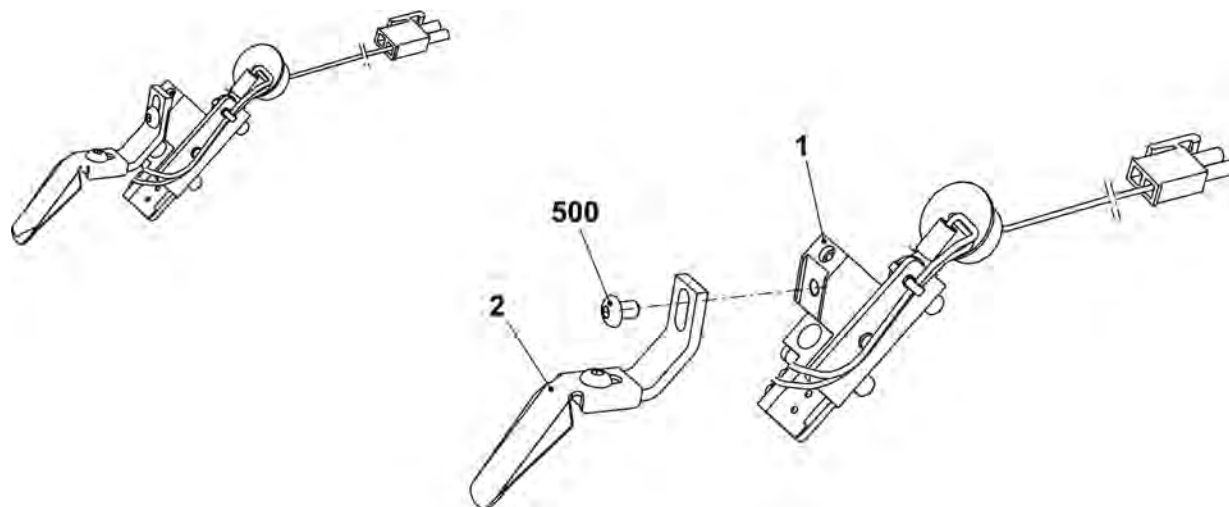
5.10 Carriage guide

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			



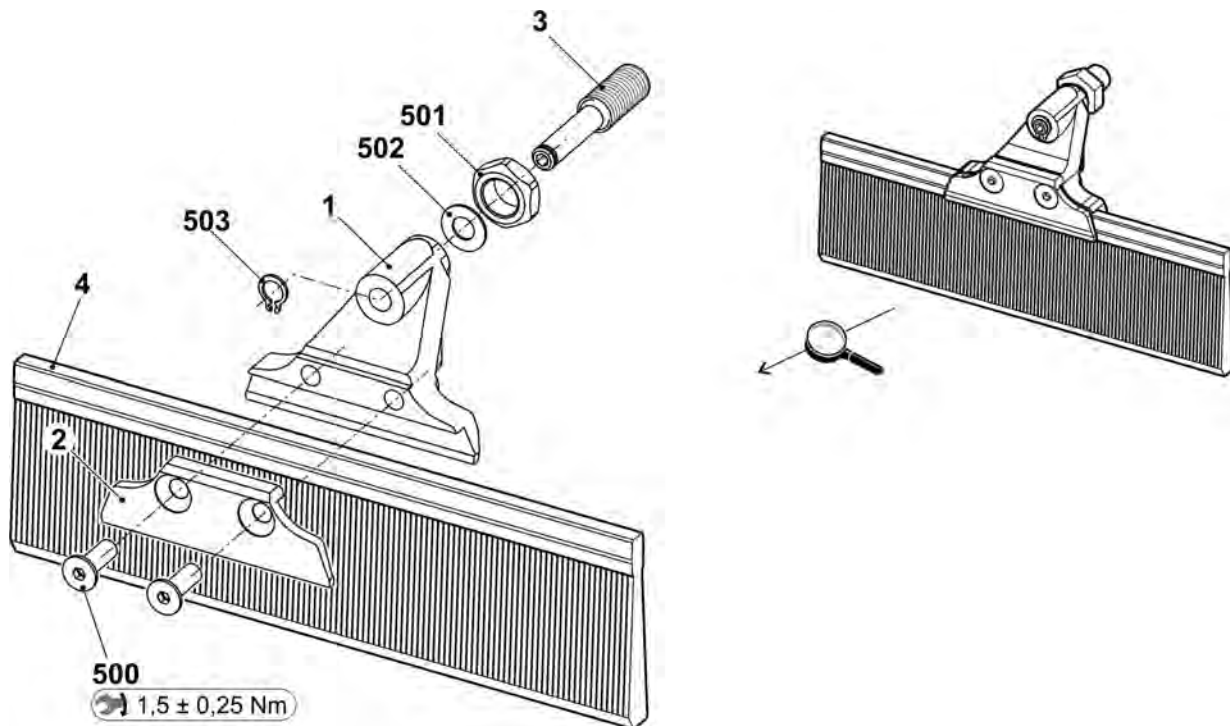
5.11 Needle detector

Pos	Designation	ID	Pos	Designation	ID
Σ	Needle detector	237 675	2	Sensor pre-assembled	237 674
1	Needle detector pre-assembled	221 773	500	Oval head-screwM4x6	023 427



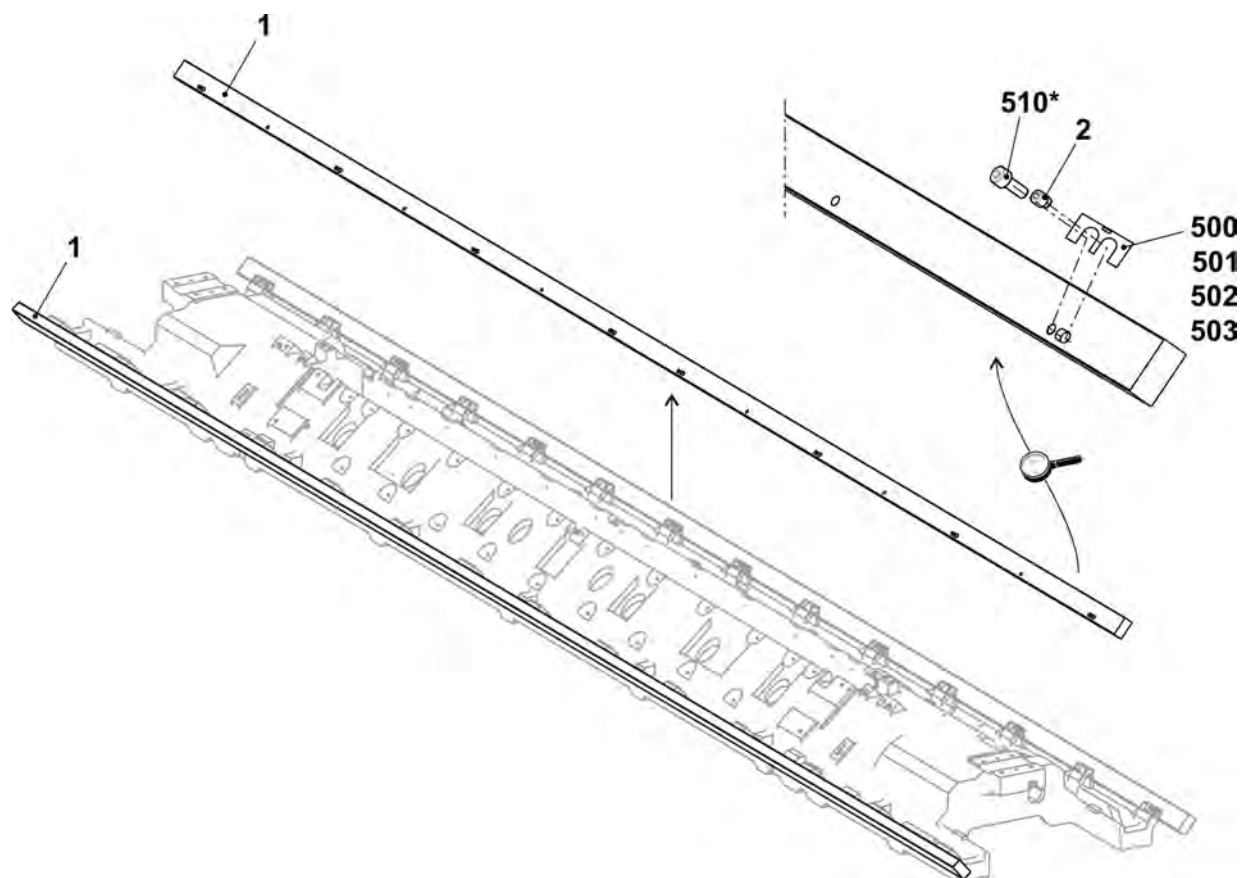
5.12 Brush holder

Pos	Designation	ID	Pos	Designation	ID
Σ	Brush holder complete E3 E4	214 710			
1	Brush holder	213 009	500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010	501	Hexagon nut M8x5	023 750
3	Threaded rod	209 740	502	Shim ring 5x10x0,5	023 348
4	Needle brush E2-4	061 407	503	Retaining ring 5x0,6	023 347

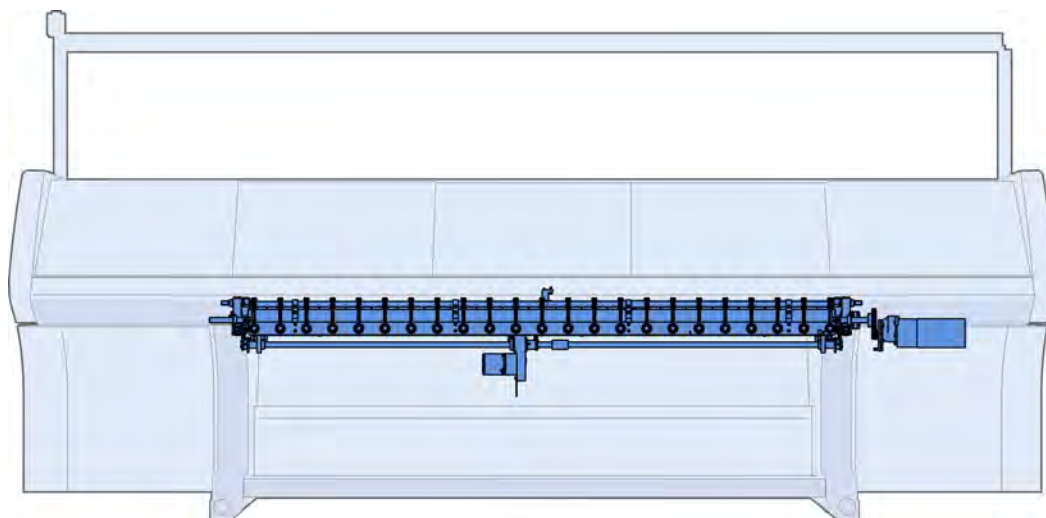


5.13 Spare parts package carriage guide bar

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Spare parts package carriage guide bar⁸⁴	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

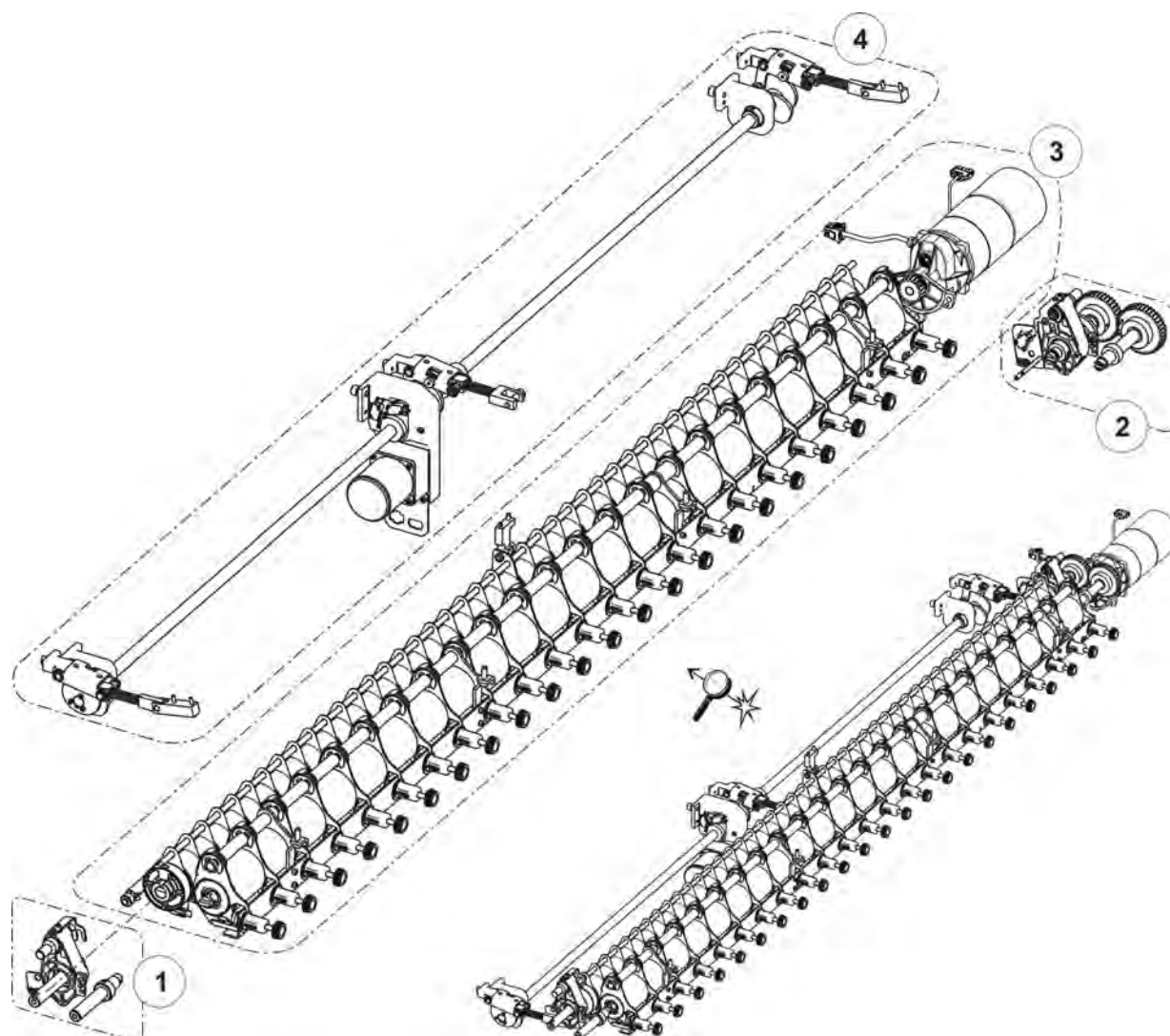


6 Main take-down



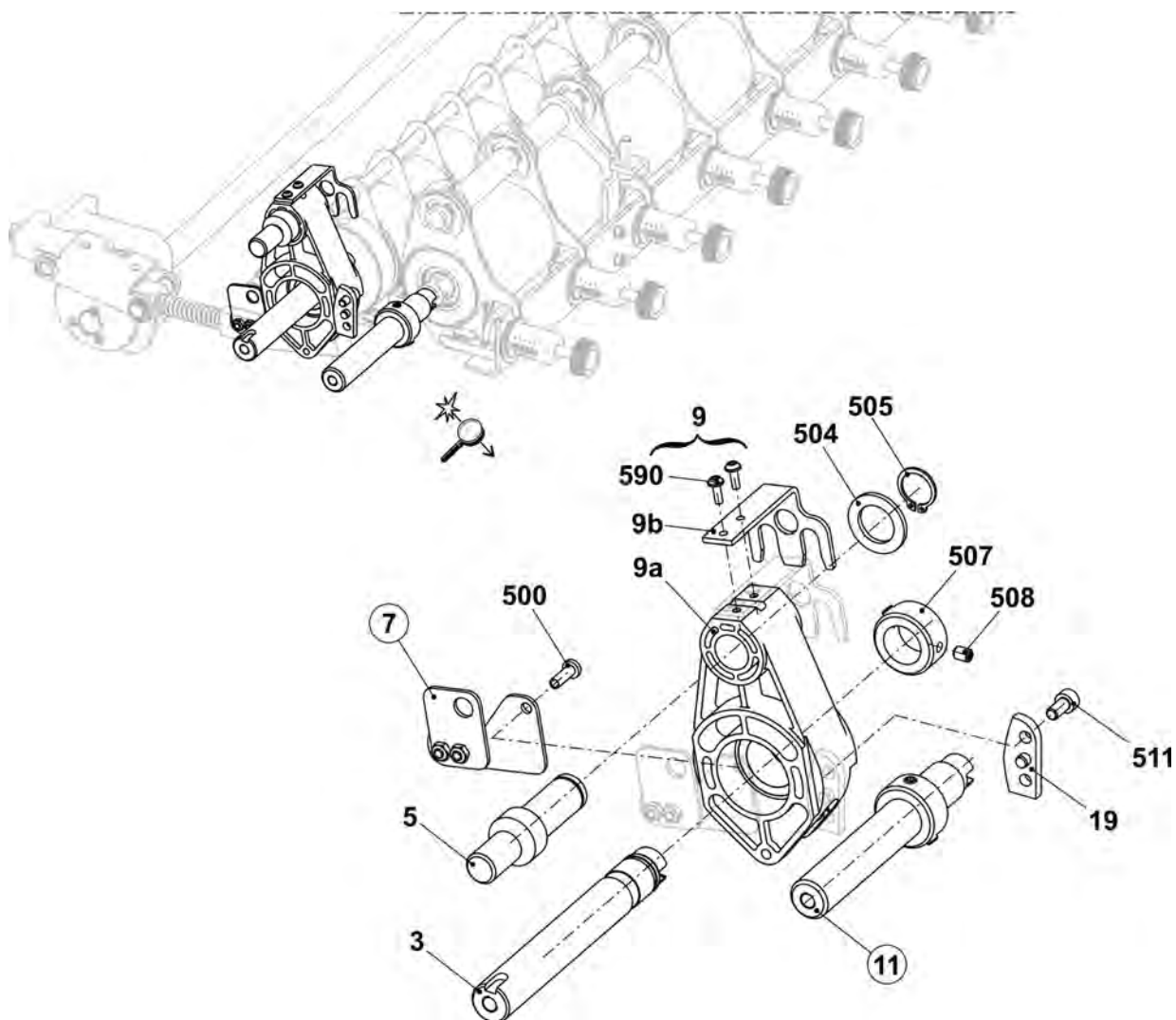
6.1 Main take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down				
1	Main take-down on the left	255 257	3	Main take-down in the middle E2,5.2	255 249
2	Main take-down on the right	255 258	4	Main take-down on / off complete 84"	253 387



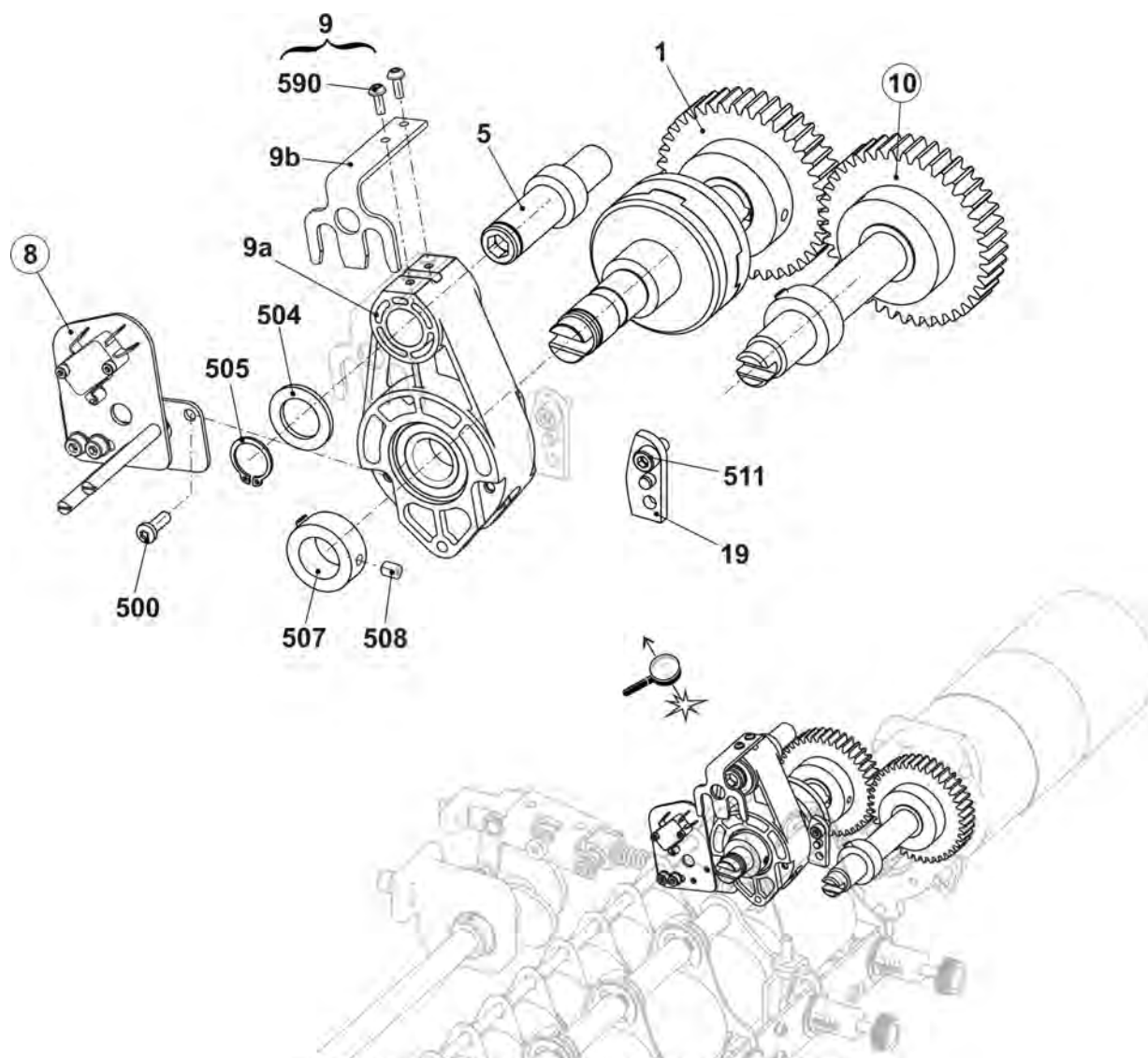
6.2 Main take-down on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down on the left	255 257	11	Full floating axle on the left	237 354
3	Shaft on the left at the rear	255 305	19	Stop point	252 503
5	Bolts	208 538	500	Screw 50x15	251 728
7	Mounting plate on the left complete	231 725	504	Washer 18	023 295
9	Swivel-mounted bearing	253 247	505	Retaining ring 18x1,2	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



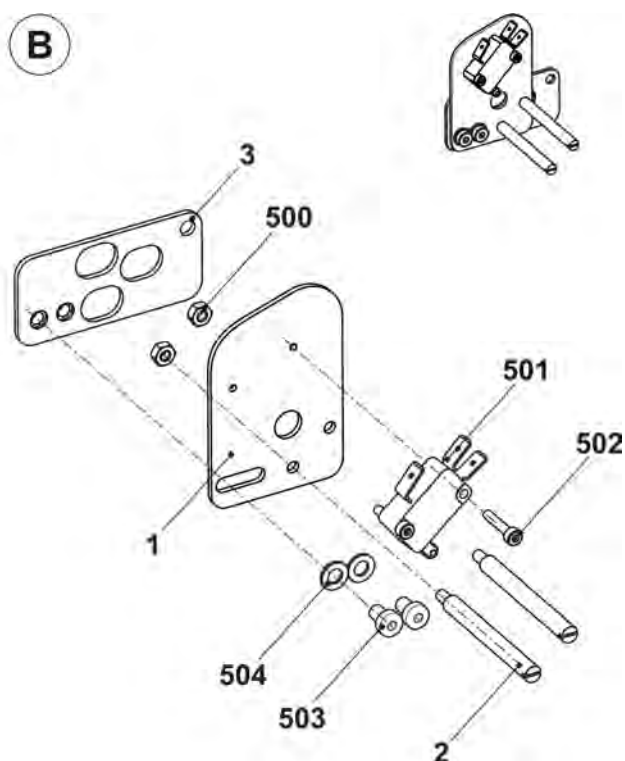
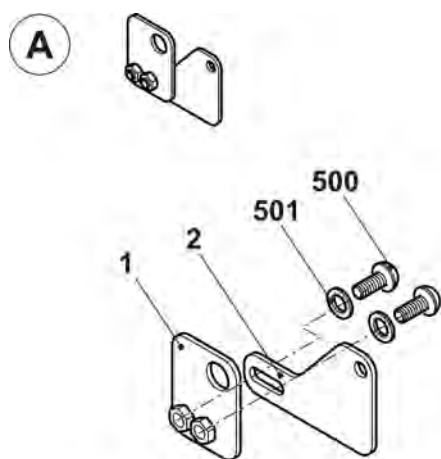
6.3 Main take-down on the right

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down on the right	255 258	10	Full floating axle on the right	237 353
1	Clutch set	253 260	19	Stop point	252 503
5	Bolts	208 538	500	Screw 50x15	251 728
8	Mounting plate on the right complete	260 090	504	Washer 18	023 295
9	Swivel-mounted bearing	253 247	505	Retaining ring 18x1,2	020 955
9a	Swivel-mounted bearing	253 200	507	Set collar A20	020 938
9b	Sheet metal support	253 212	508	Setscrew M6x8	022 684
590	Screw 35x10	251 729	511	Cap screw M6x12	020 134



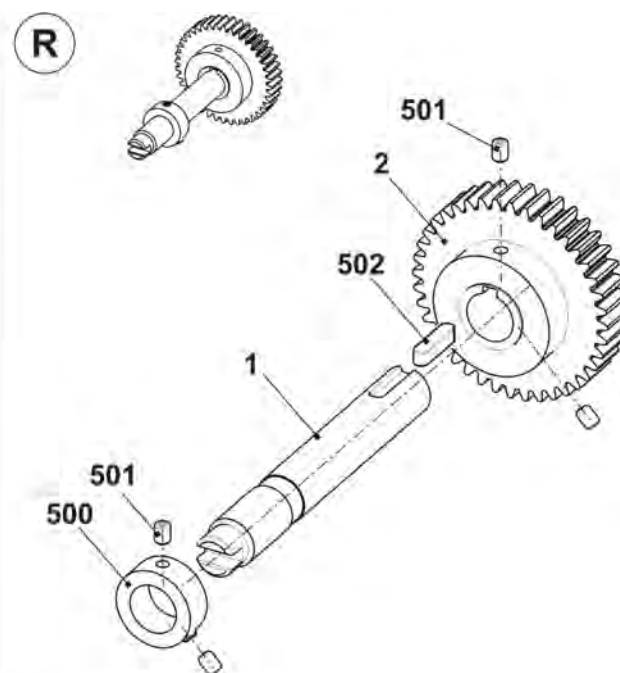
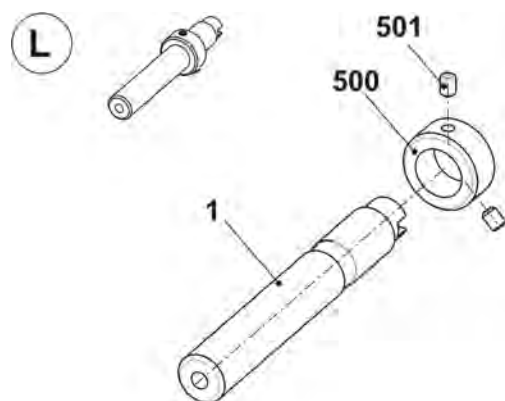
6.3.1 Mounting plate

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	Washer 5-200	020 871



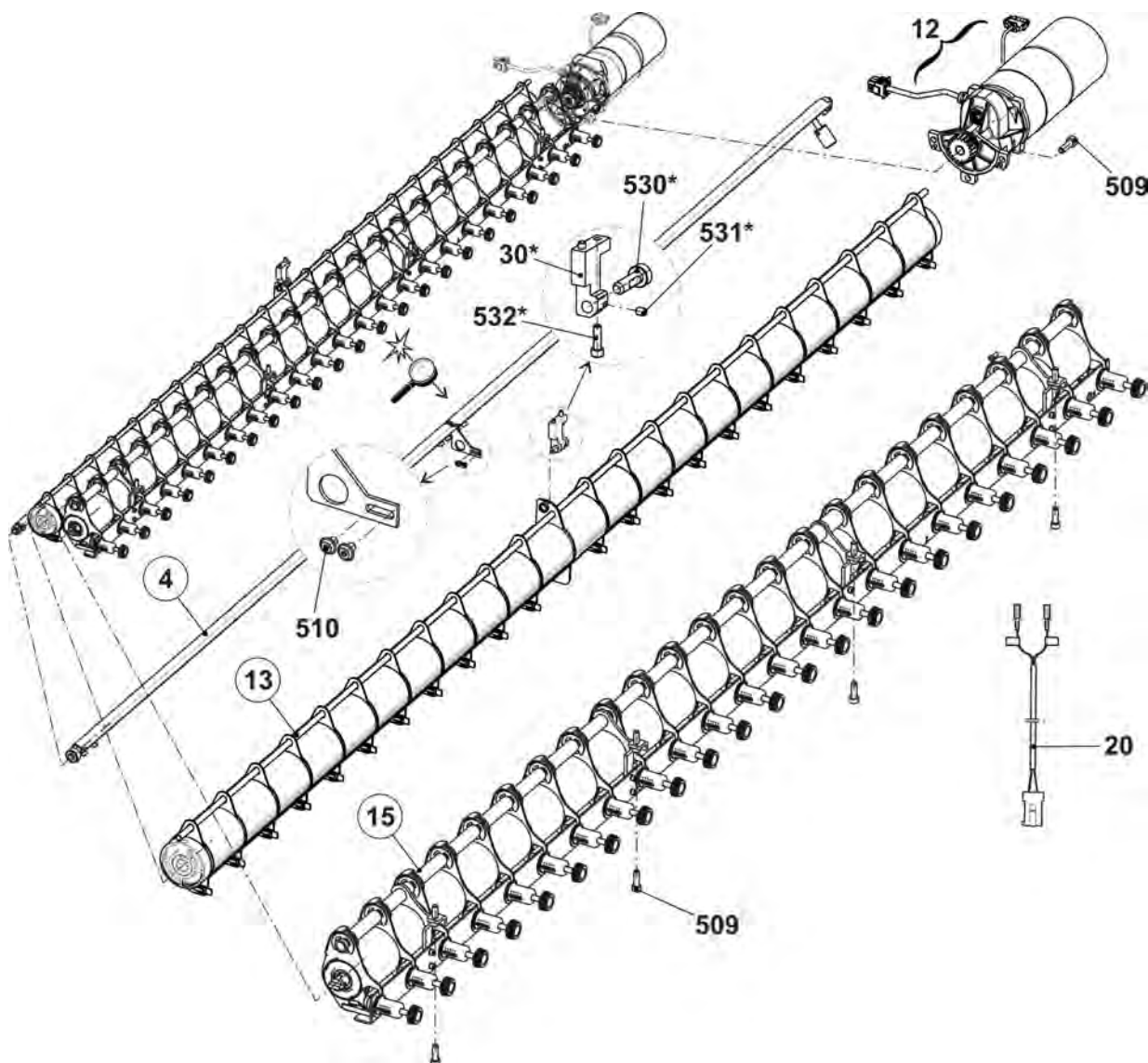
6.3.2 Full floating axle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
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	Setscrew M6x8	022 684	500	Set collar	020 938
			501	Setscrew M6x8	022 684
			502	Feather key A 6x6x25	023 017



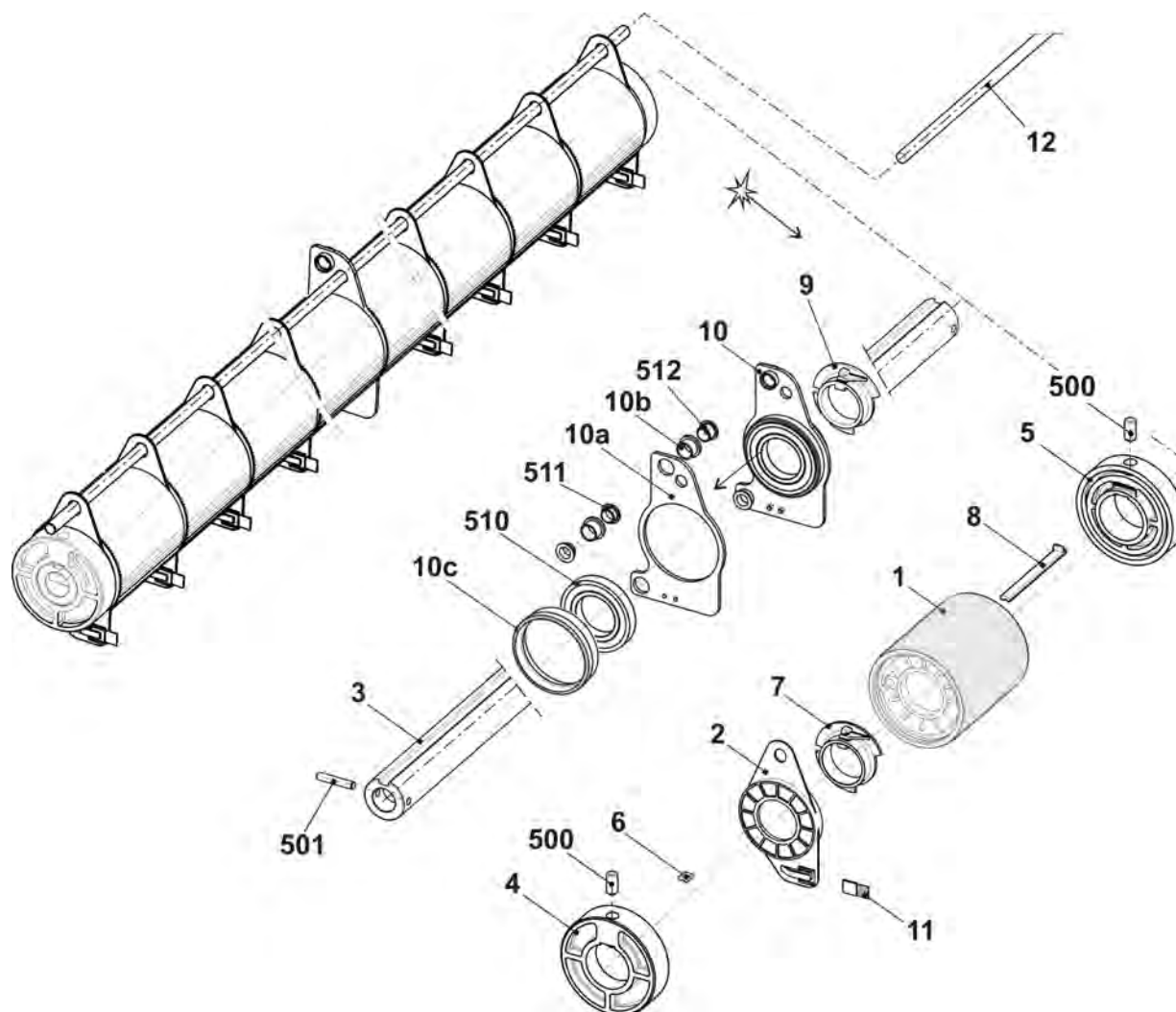
6.4 Main take-down in the middle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Main take-down in the middle E5-14	255 249	509	Cap screw M8x25	020 142
4	Stripper angle at the rear complete	259 987	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	243 810	530*	Bolts	237 211
15	Take-down roller at the front complete	253 390	531*	Setscrew M6x8	023 723
20	Connection cable winding plate	241 703	532*	Cap screw M8x20	020 136



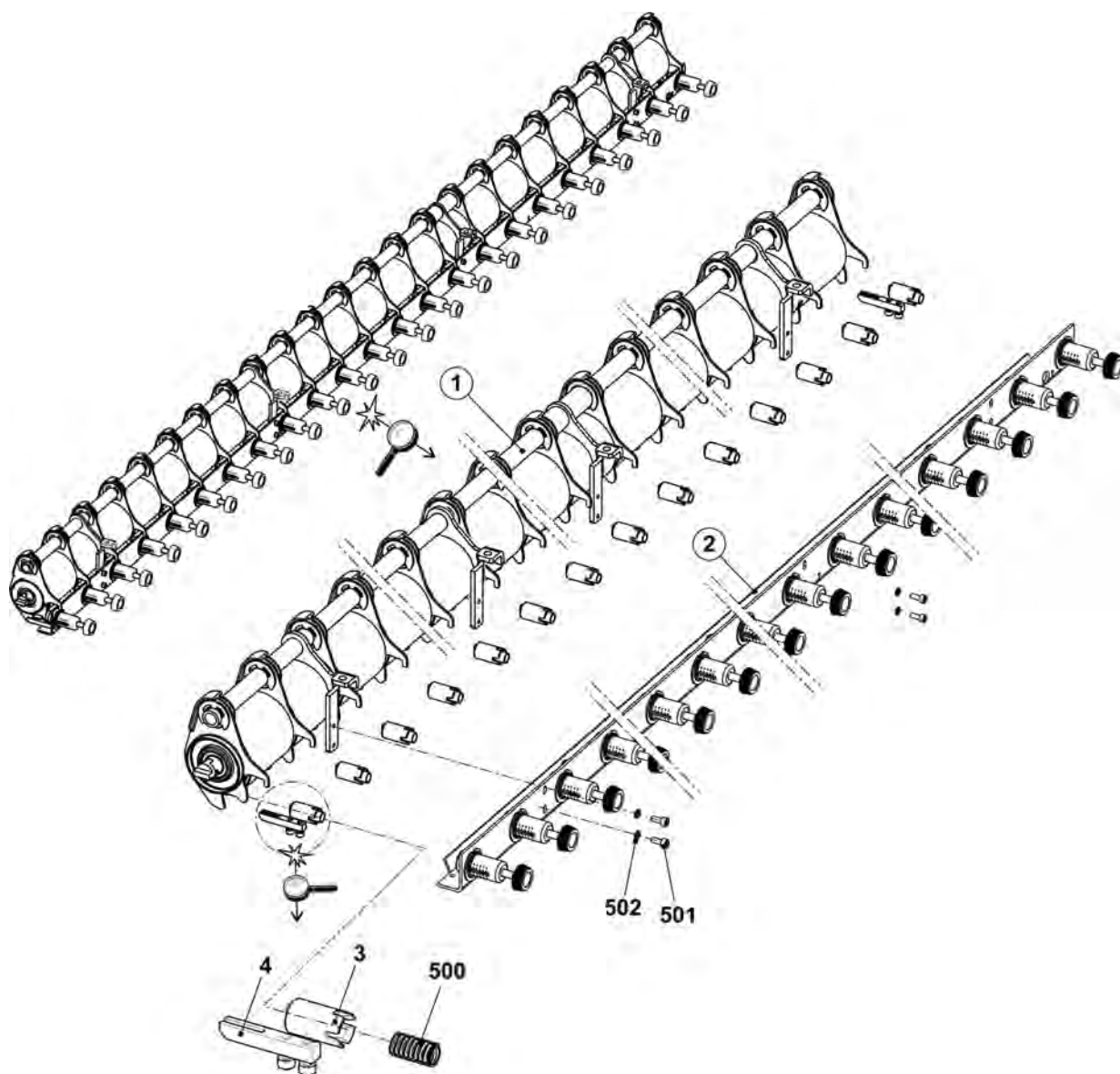
6.4.1 Rear take-down roller

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Take-down roller at the rear complete	243 810			
1	Roller	264 624	10a	Supporting plate	232 512
2	Stripper	241 612	10b	Bearing	232 571
3	Shaft	237 190	10c	Ring	222 895
4	Ring on the left	255 830	11	Brush	225 819
5	Ring on the right	255 831	12	Rod	237 192
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	264 669	510	Grooved ball bearing 16007	021 697
9	Stop ring on the left	222 910	511	Slide bearing GFM-101216-06	023 280
10	Support	232 578	512	Slide bearing GFM-101216-09	023 356



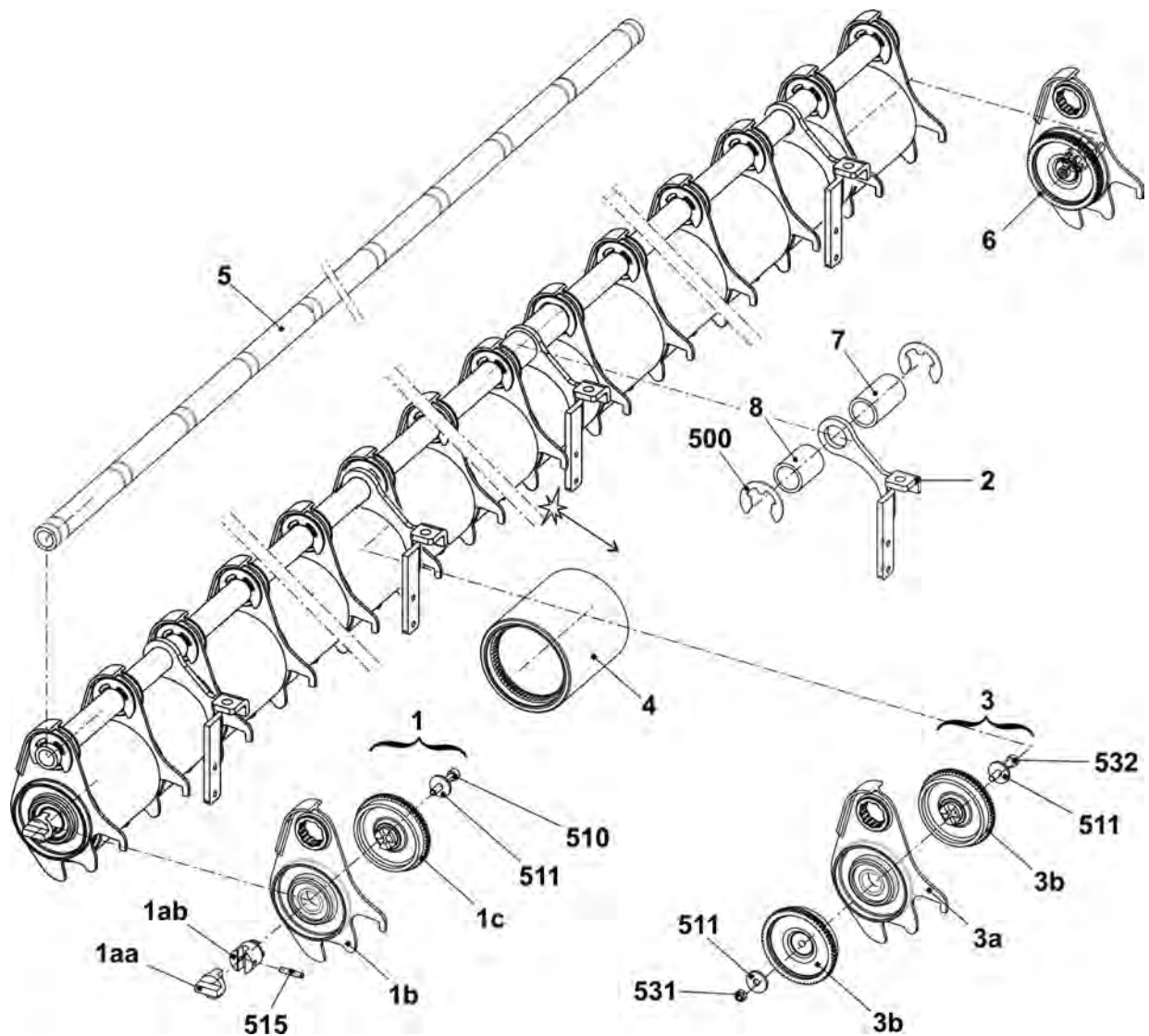
6.4.2 Front take-down roller

Pos	Designation	Id	Pos	Designation	Id
Σ	Take-down roller at the front complete	253 390	4	Locating piece	221 935
1	Take-down roller at the front	253 423	500	Compression spring 1x10x30	023 741
2	Angle rail complete	242 316	501	Cap screw M5x12	020 132
3	Pressure sleeve	220 911	502	Washer 5-200	020 880



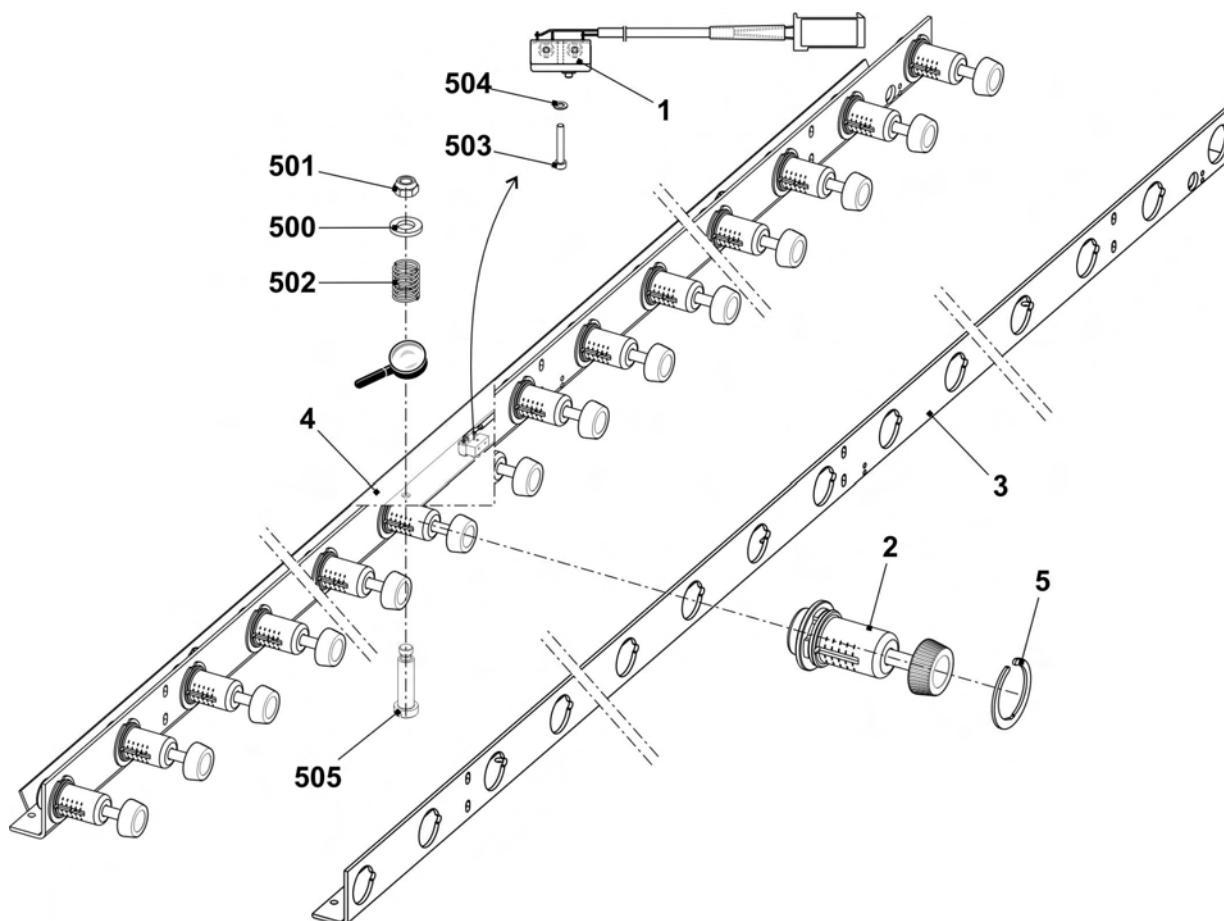
6.4.3 Front roller elements

Pos	Designation	Id. no.	Pos	Designation	Id. no.
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 screw M5x20	020 133	1c	Gear wheel	220 910
511	Washer 5	023 542	510	Cap screw M5x20	020 133
515	Spring dowel sleeve 4x20	023 551	511	Washer 5	023 542
2	Straps	251 557	515	Spring dowel sleeve 4x20	023 551
3	Bearing support complete	221 241	7	Spacer pipe on the right	253 407
3a	Bearing support	220 913	8	Spacer pipe on the left	253 408
3b	Gear wheel	220 910	500	Circlip	021 025
531	Hexagon nut M5-8	023 541			
532	Cap screw M5x30	022 396			



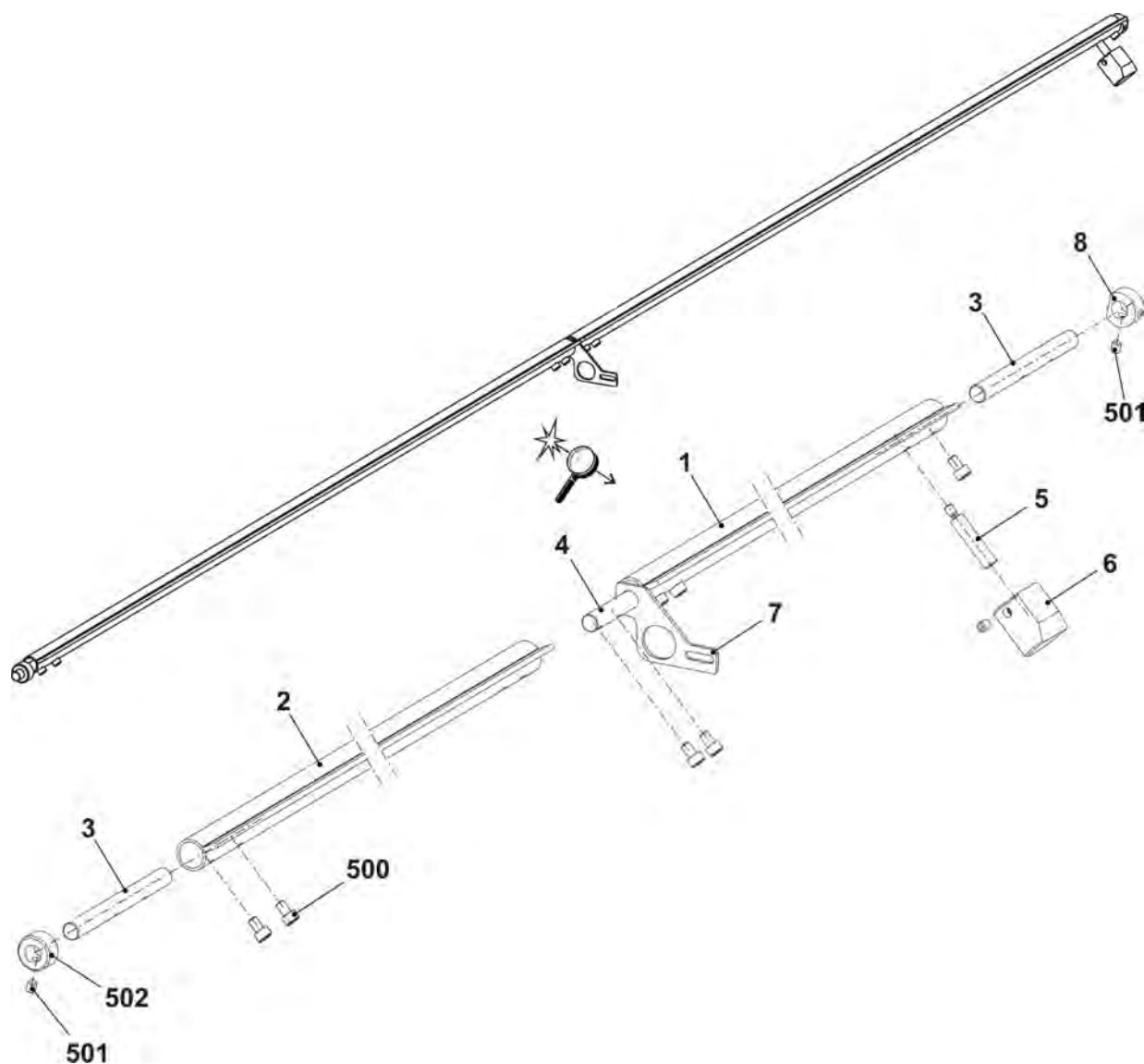
6.4.4 Pressure angle rail

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Angle rail complete	242 316	500	Washer 6	022 431
1	Switch complete with cable	221 265	501	Hexagon nut M5-8	023 541
2	Spring flange	242 327	502	Compression spring 0,8x9,2x27,5	023 537
3	Angle rail	242 277	503	Cap screw M2x12	023 522
4	Winding plate	237 195	504	Washer 2-200	022 908
5	Retaining ring	242 325	505	Shoulder screw M5x20x5	023 675



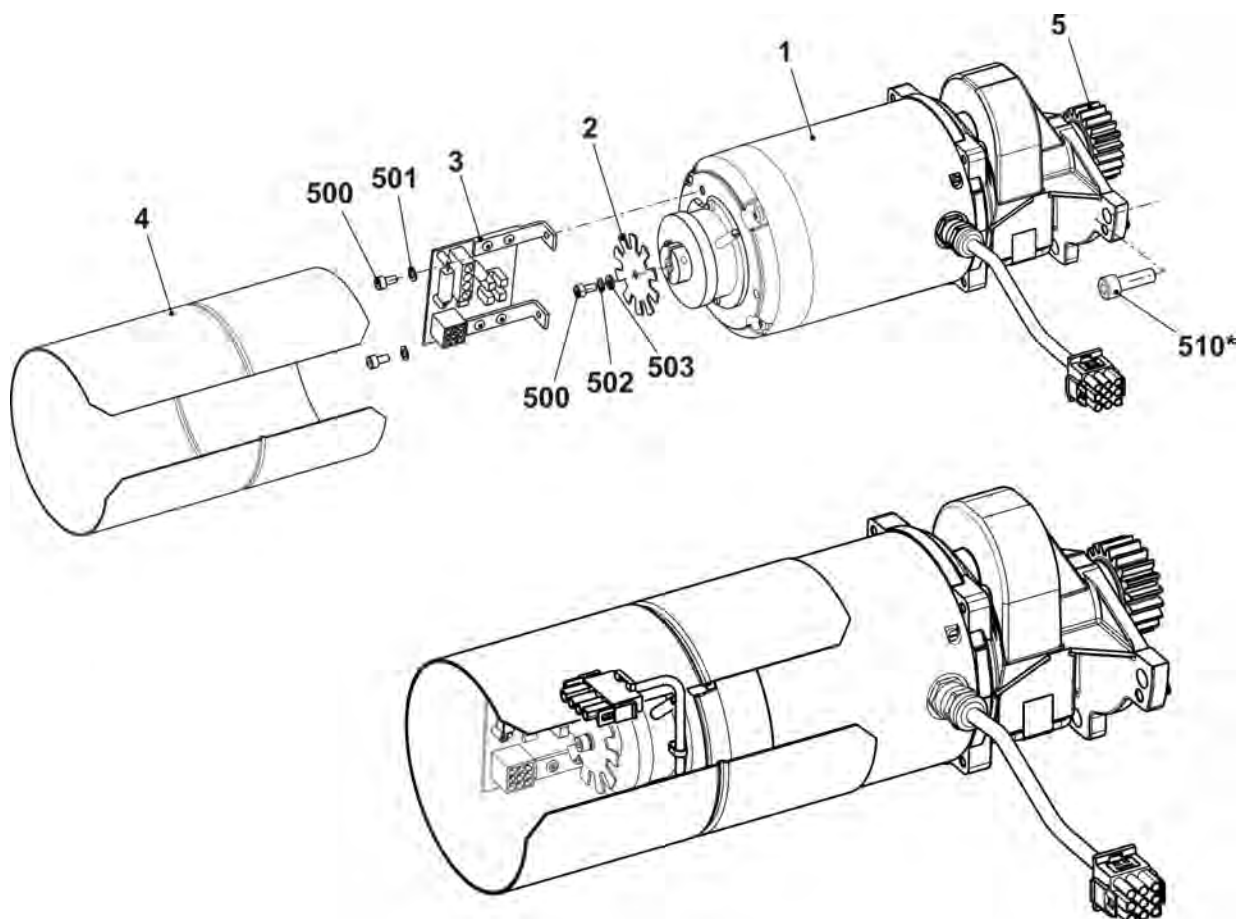
6.4.5 Stripper angle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Stripper angle at the rear complete	259 987	6	Adjustment weight	260 426
1	Stripper angle on the right	259 976	7	Bracket	260 060
2	Stripper angle on the left	259 977	8	Cam	260 109
3	Axle	259 969	500	Cap screw M5x8	023 319
4	Axle	259 970	501	Setscrew M5x6	022 738
5	Bolts	228 310	502	Set collar	020 934



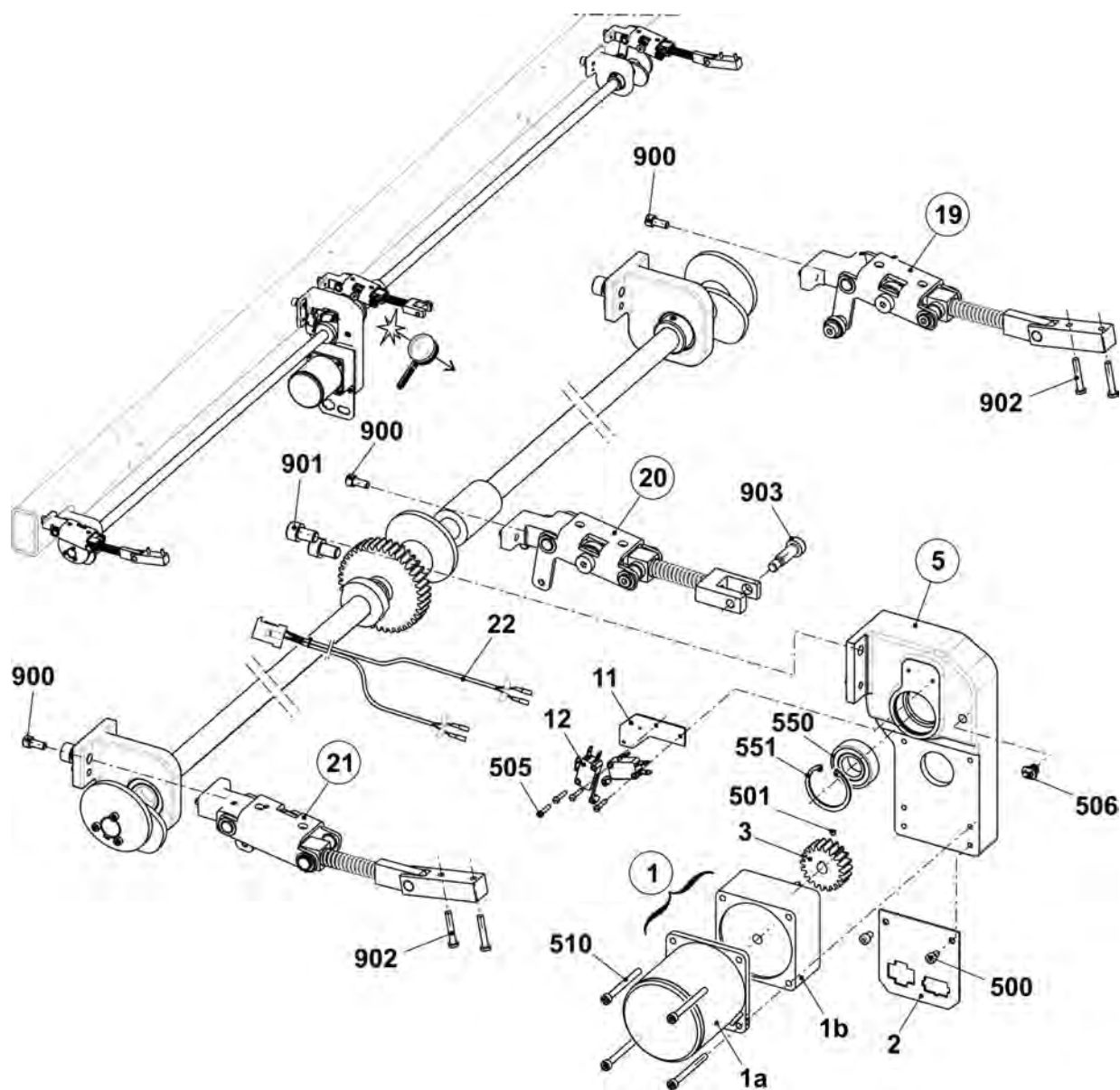
6.4.6 Impulse sensor and motor

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	Washer 4-200	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



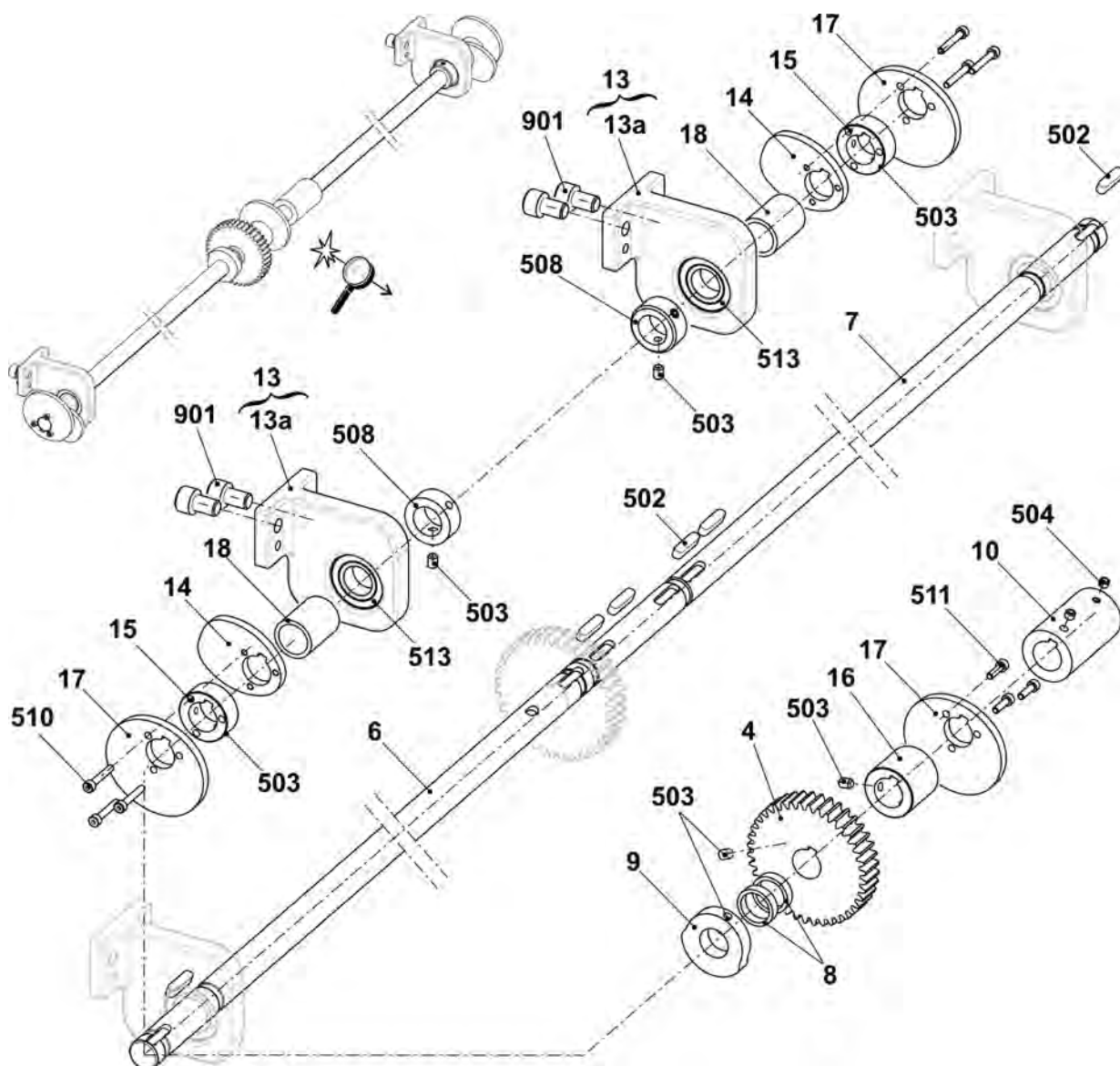
6.5 Take-down closing device

Pos	Designation	ID	Pos	Designation	ID
Σ	Main take-down on / off complete	253 387	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



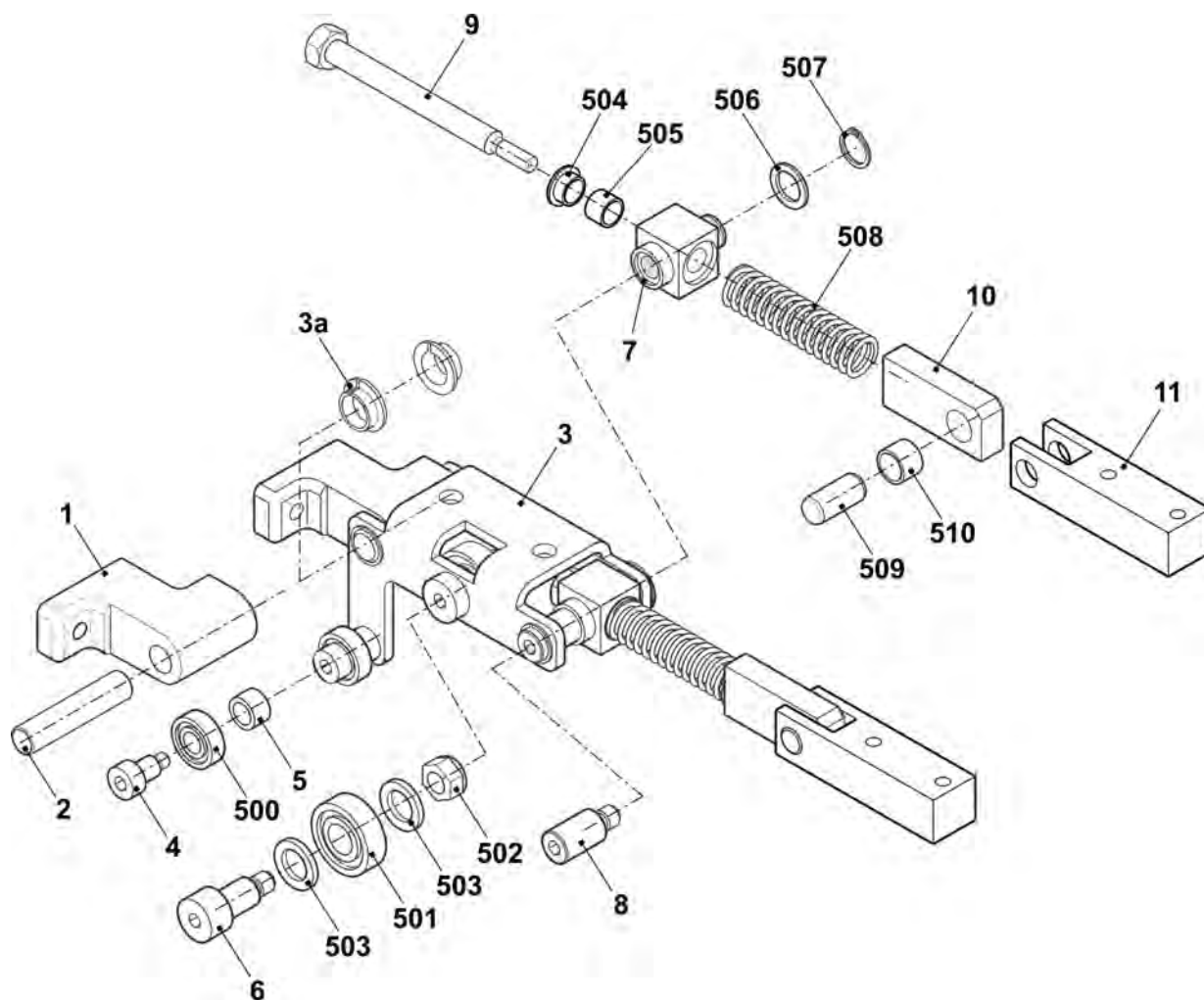
6.6 Continuation of take-down closing device

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Main take-down on / off complete	253 387	15	Guide bush	234 876
4	Gear wheel	213 744	16	Guide bush	235 623
6	Shaft	237 180	17	Eccentric	232 382
7	Shaft	237 181	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



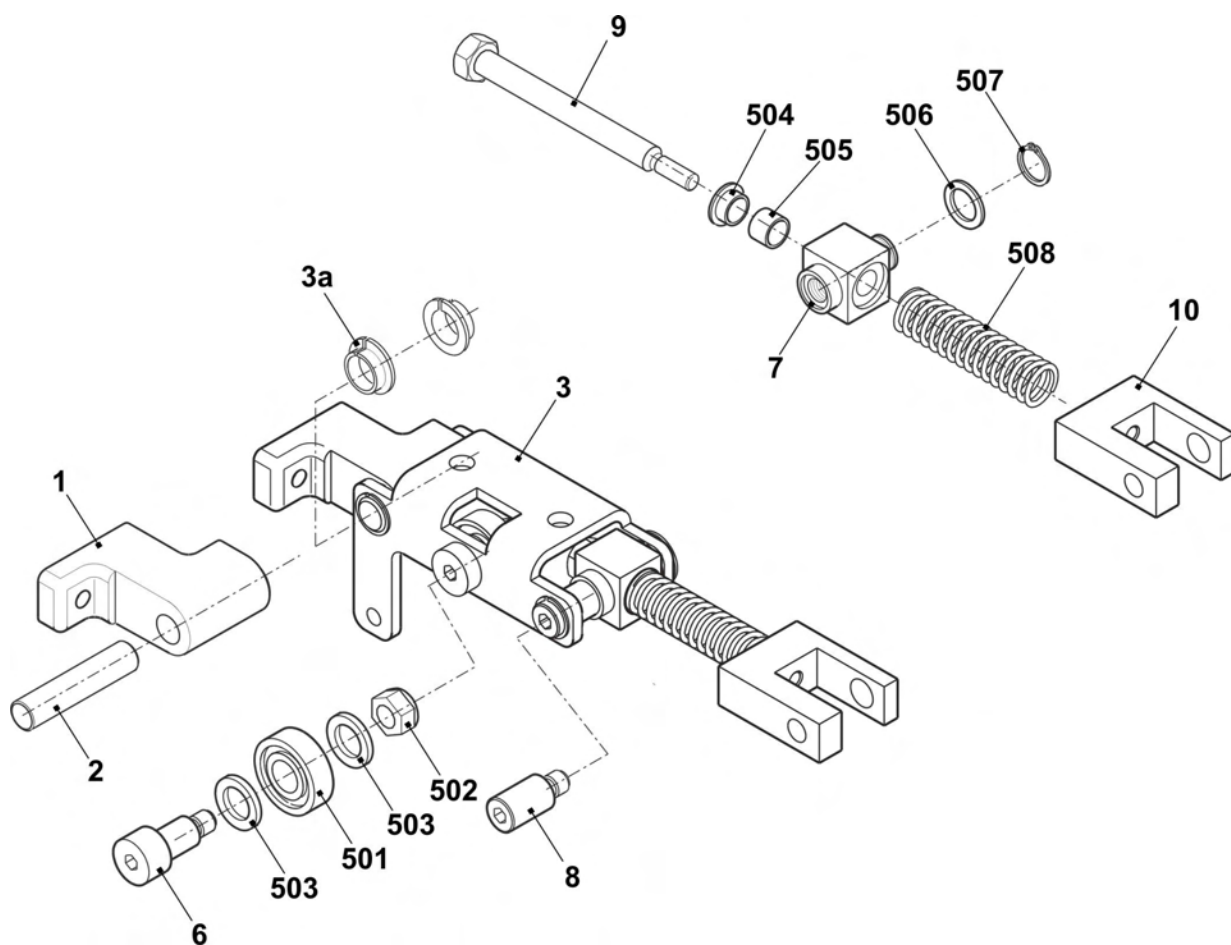
6.6.1 Right swivel support

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 ring 12x1	020 951
8	Bearing bolt	239 117	508	Compression spring 2,5x12,5x67,5	023 743
9	Spring mandrel on the inside	232 388	509	Dowel pin 10x20	023 616
10	Lever	238 370	510	Slide bearing GSM-1012-10	239 178



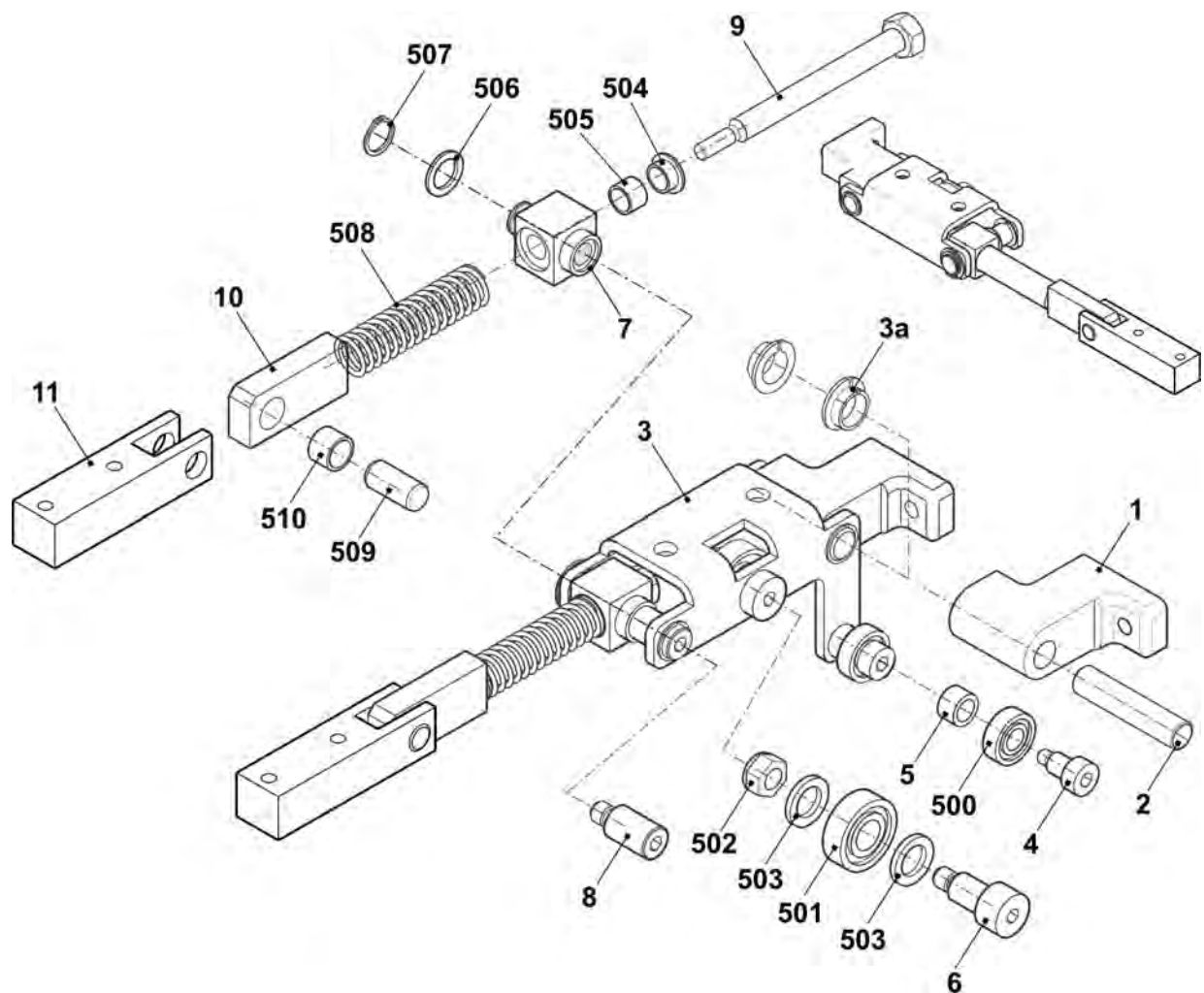
6.6.2 Swivel holder in the middle

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



6.6.3 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 ring 12x1	020 951
8	Bearing bolt	239 117	508	Compression spring 2,5x12,5x67,5	023 743
9	Spring mandrel on the inside	232 388	509	Dowel pin 10x20	023 616
10	Lever	238 370	510	Slide bearing GSM-1012-10	239 178

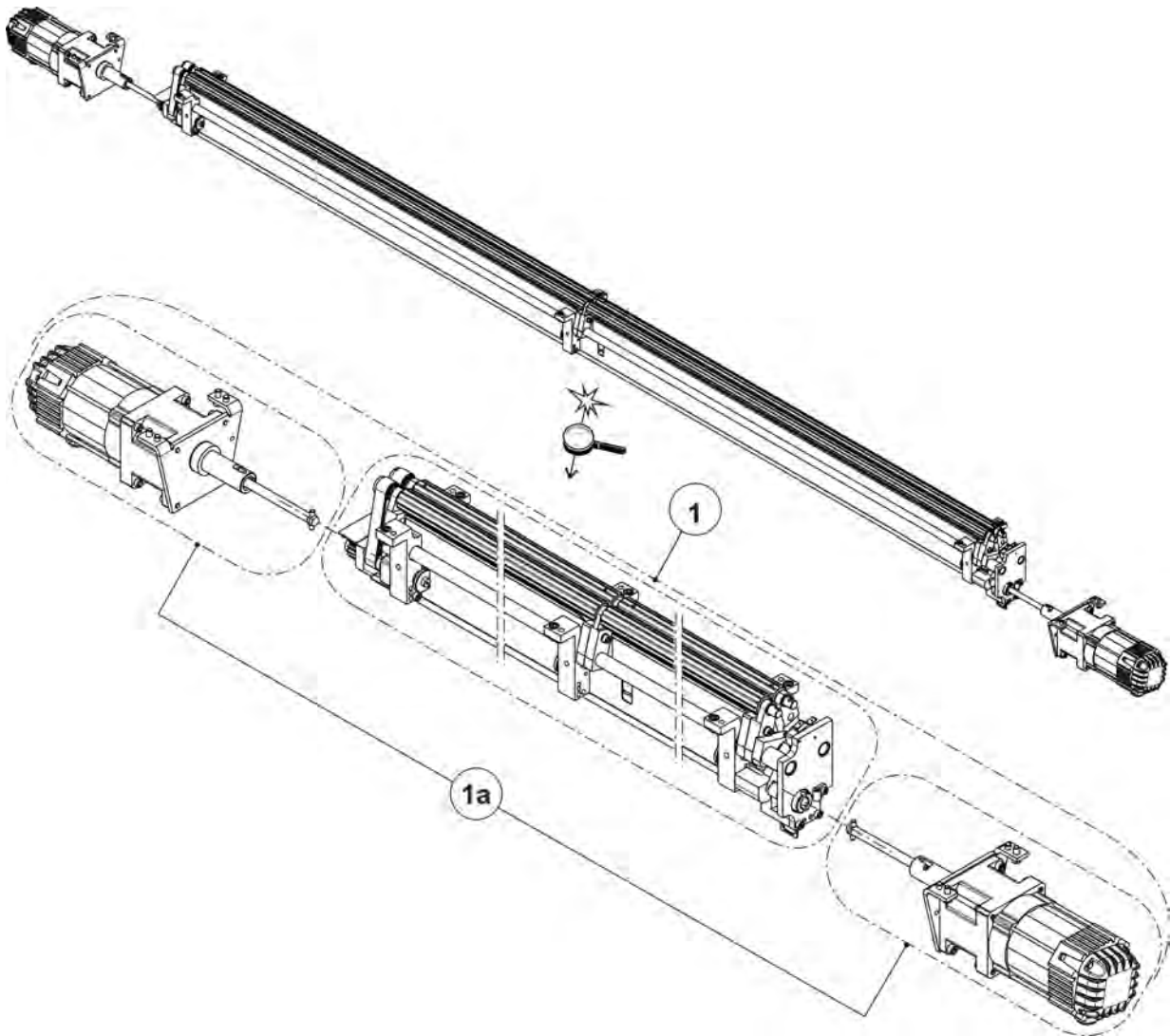


7 Auxiliary Take-down



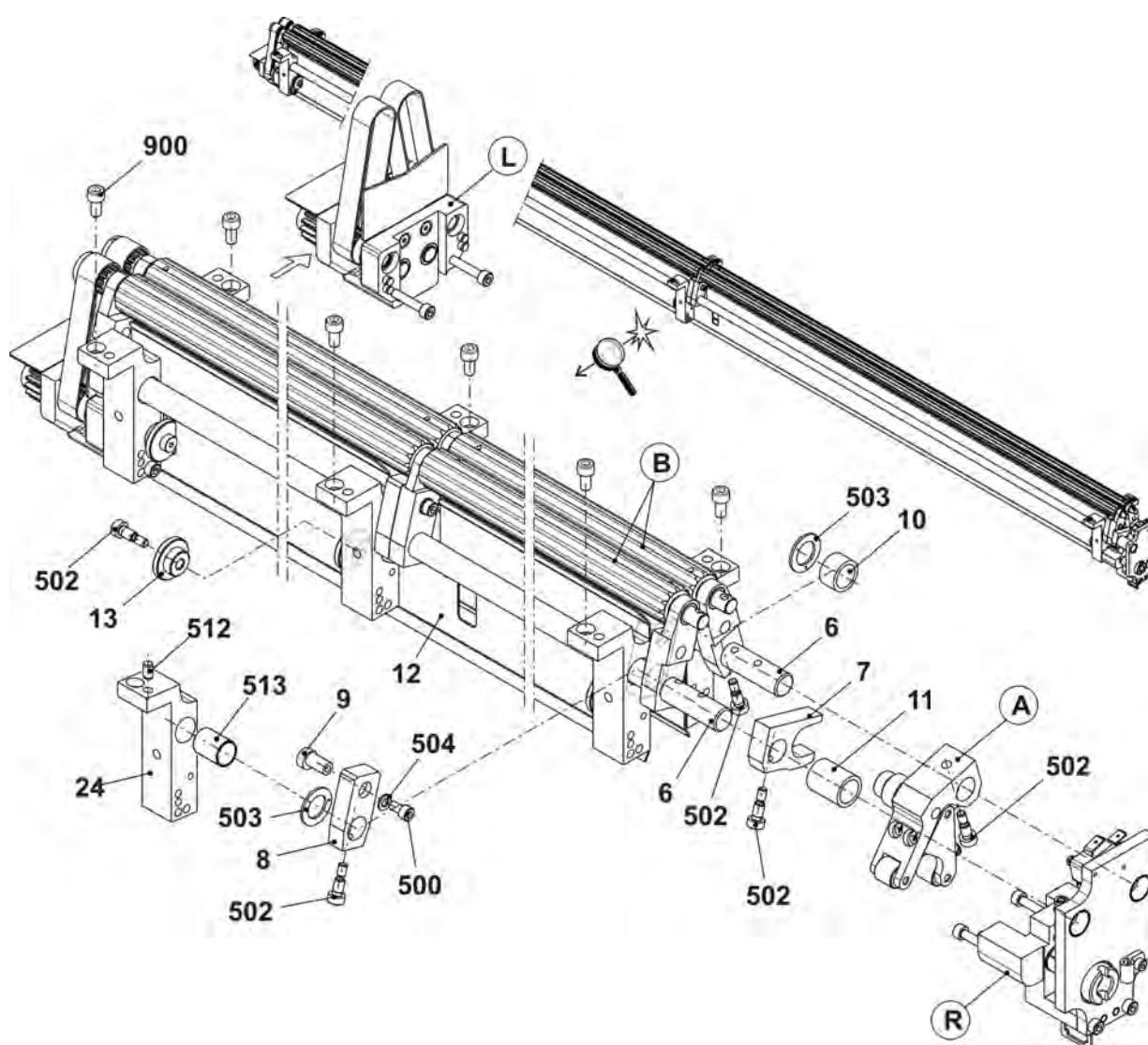
7.1 Auxiliary Take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Auxiliary take-down				
1	Auxiliary take-down pre-assembled	254 974	1a	Motor with 2 phases auxiliary take-down complete	235 602



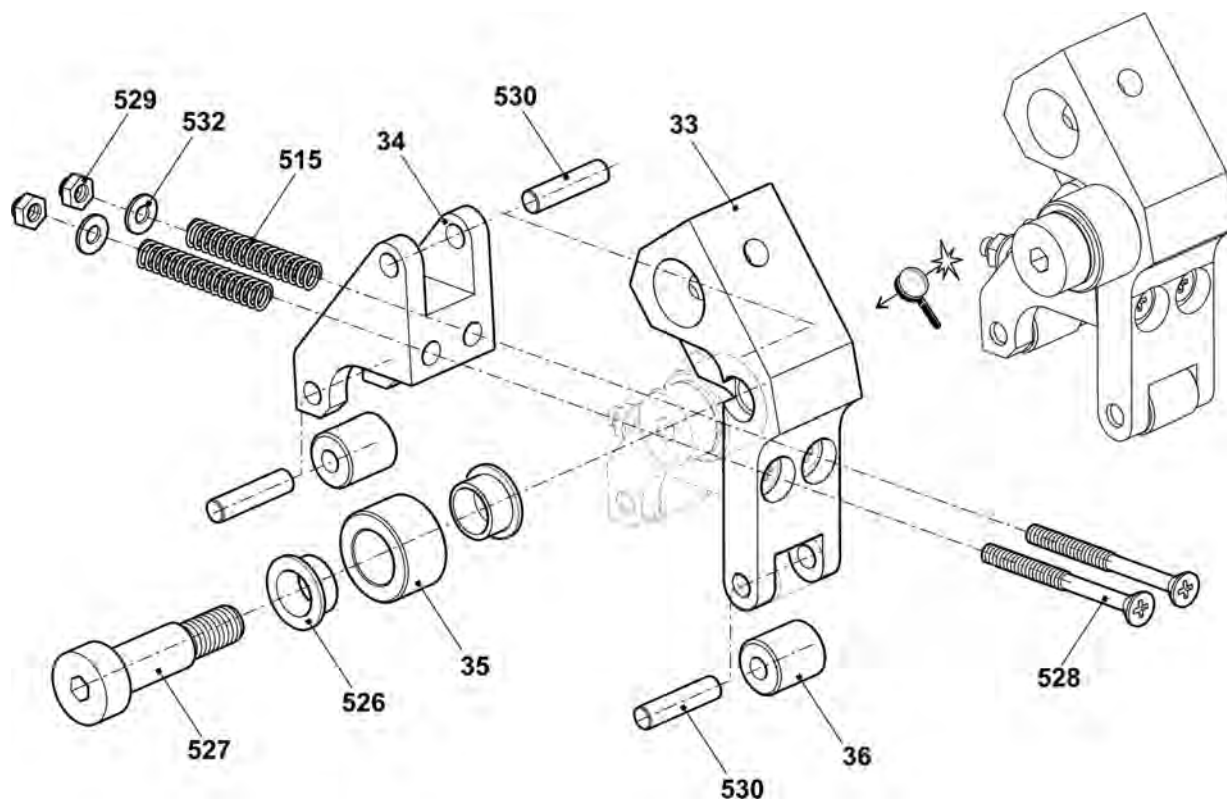
7.1.1 Auxiliary take-down pre-assembled

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



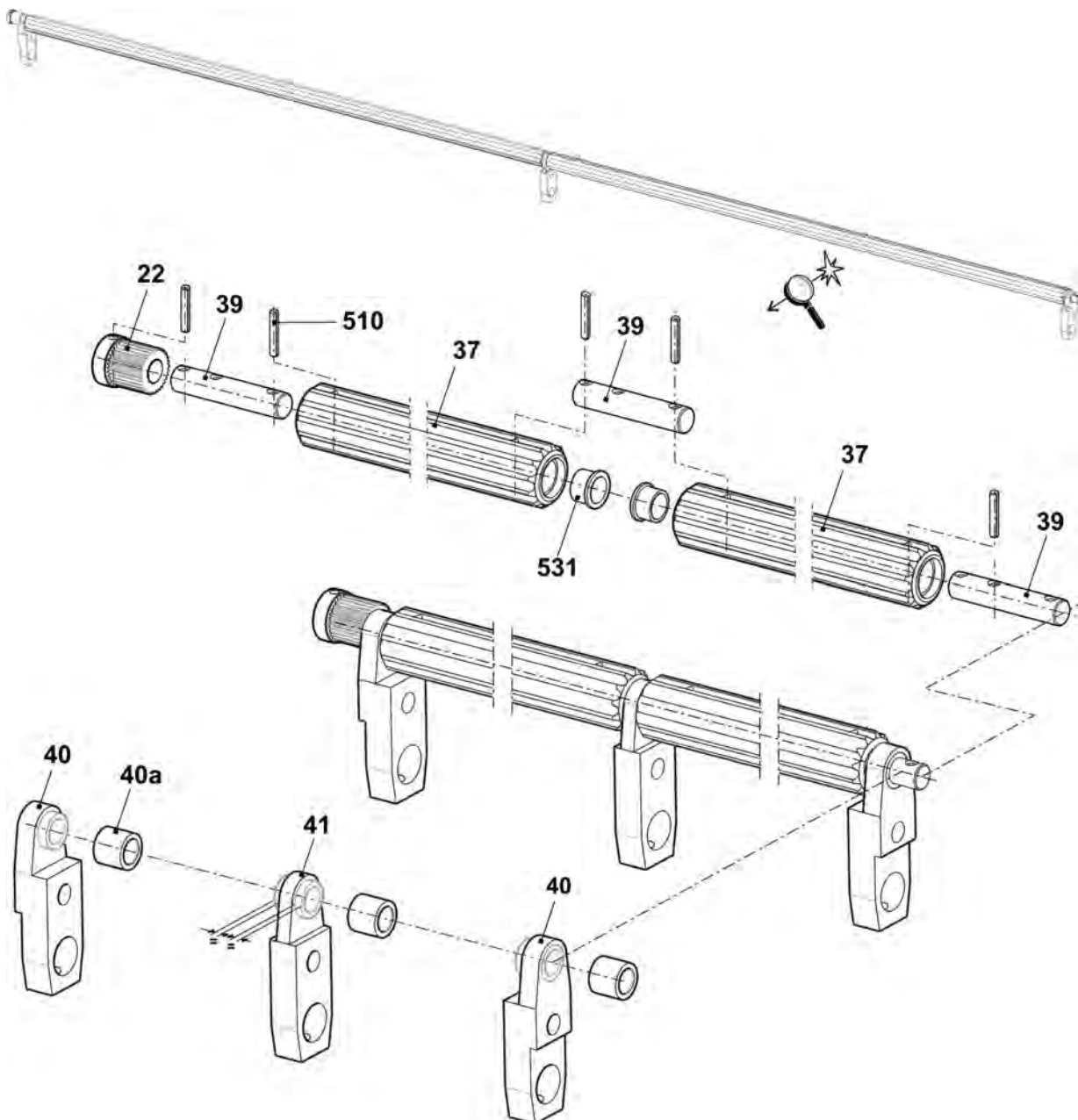
7.1.1.1 Contact lever

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	Washer 4	020 870



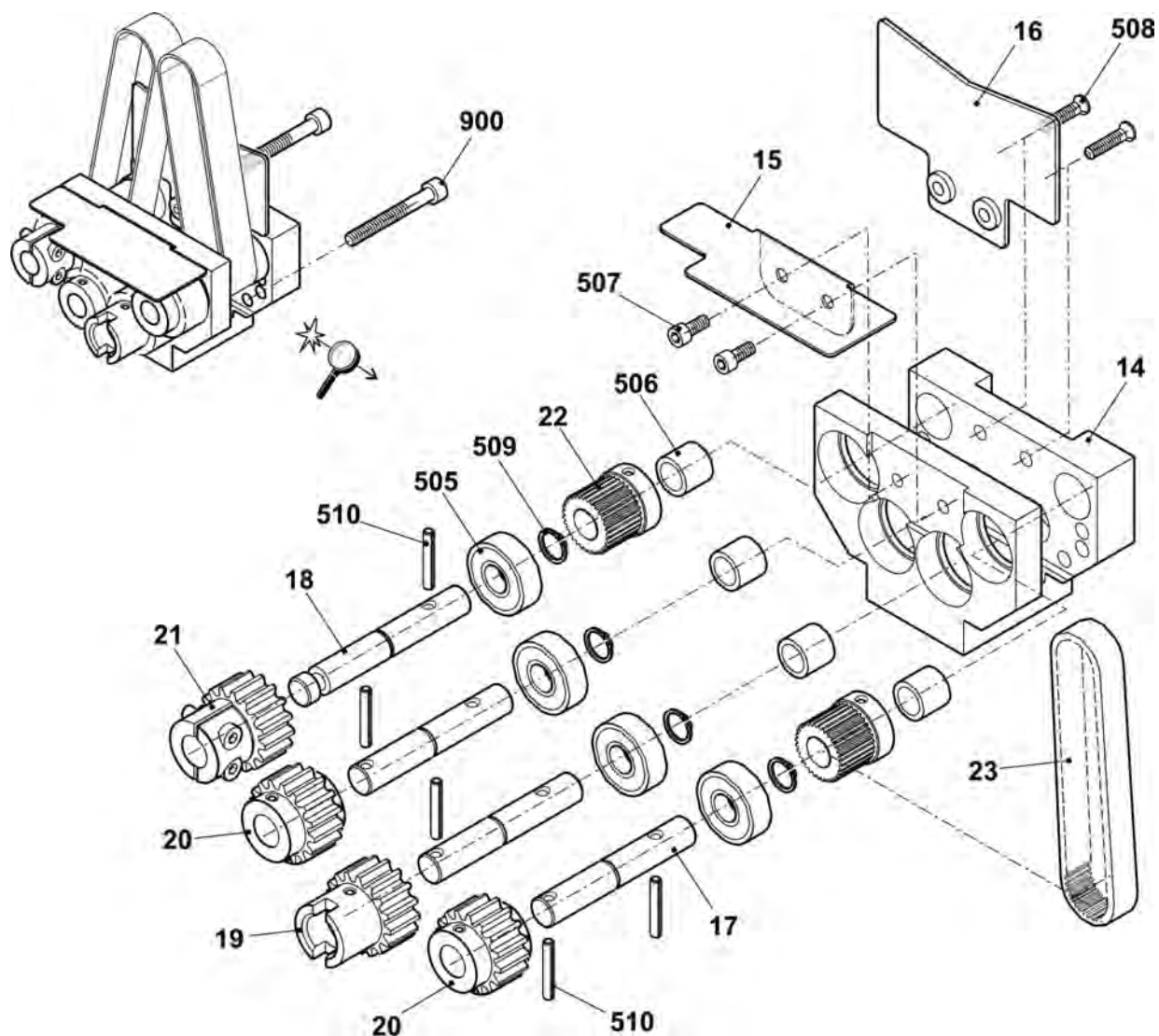
7.1.1.2 Take-down roller

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Take-down roller	237 128			
22	Timing belt pulley	237 043		40a Needle roller bearing 10x14x12	023 665
37	Take-down roller	237 125	41	Lever bearing in the middle complete	235 359
39	Bolts	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



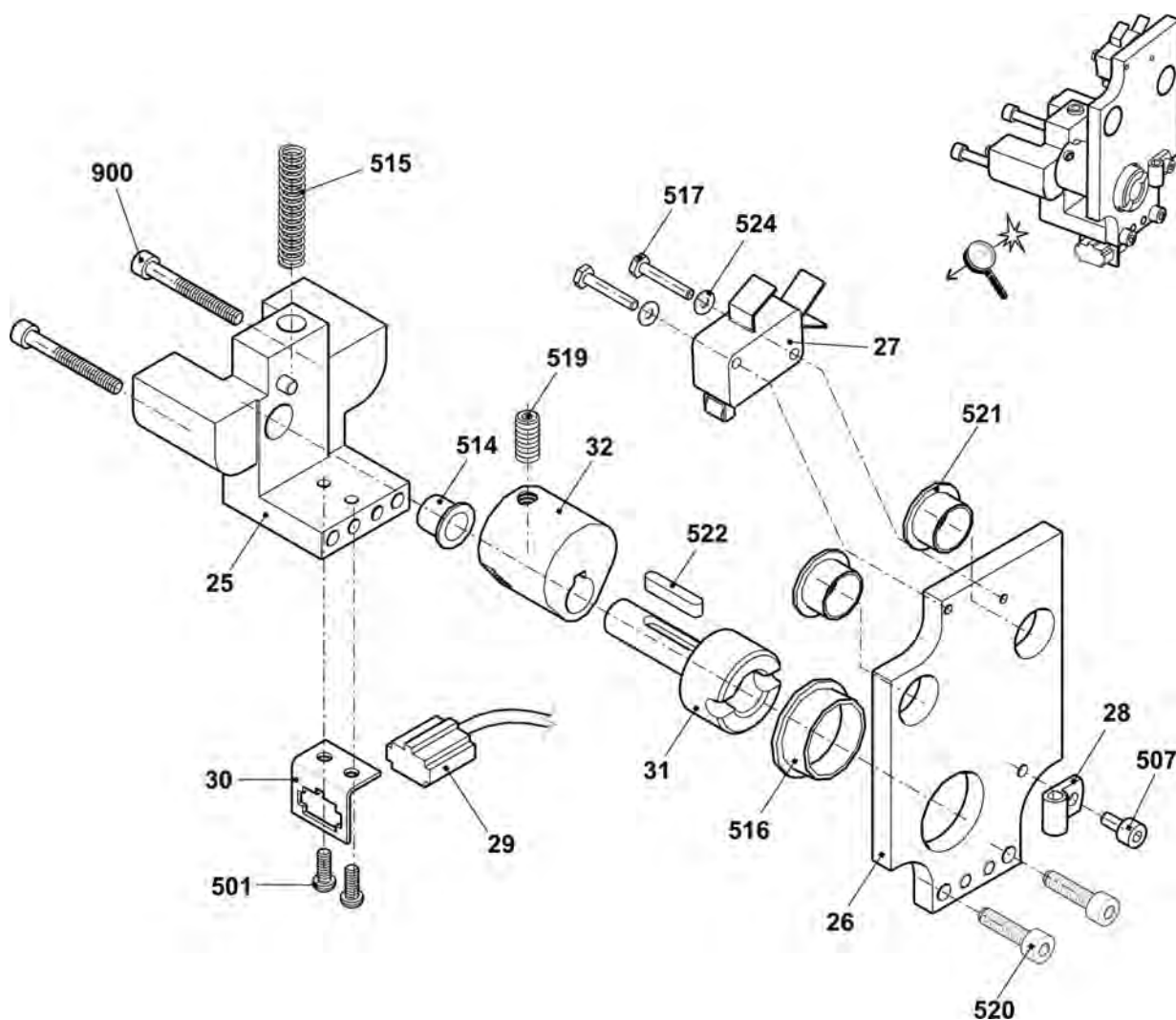
7.1.1.3 Left bearing of the auxiliary take-down

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



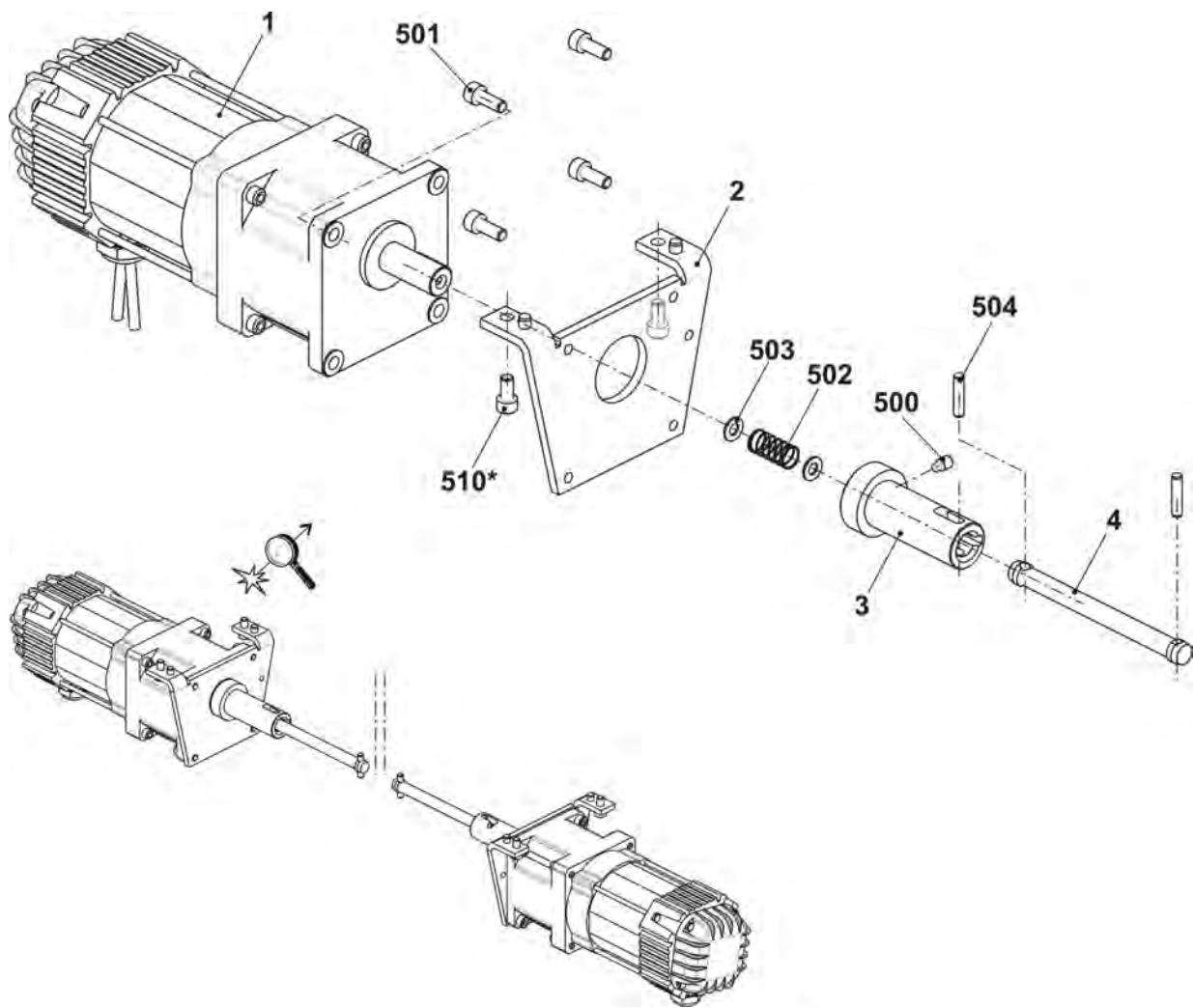
7.1.1.4 Right bearing of the auxiliary take-down

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	Shaft	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	Washer 3	020 877
507	Cap screw M4x8	022 501	900	Cap screw M5x35	022 879



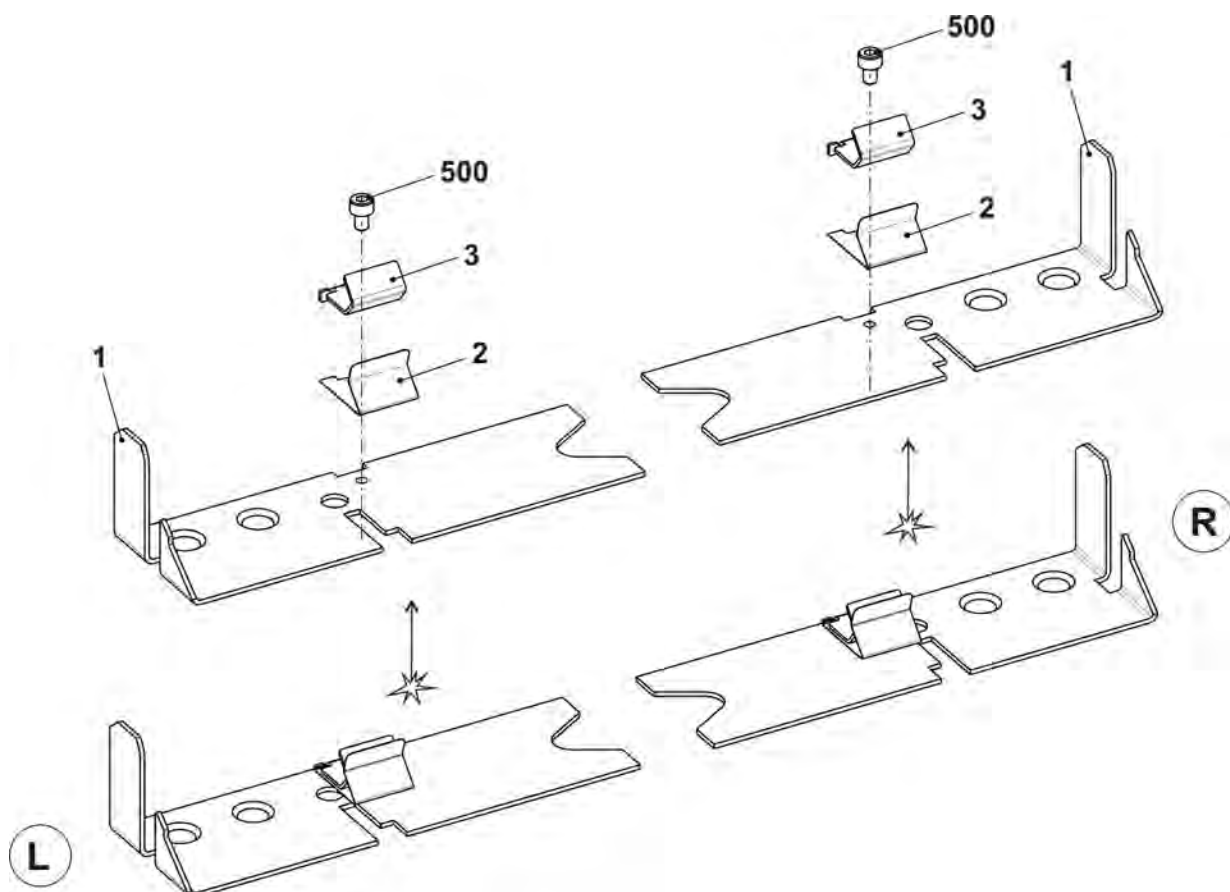
7.1.2 Motor

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

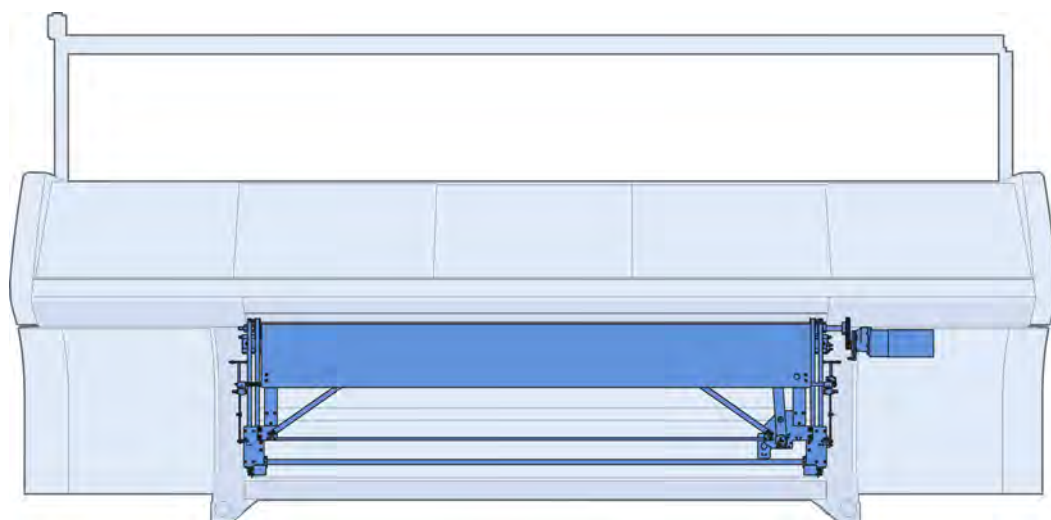


7.2 Yarn brake at clamping and cutting bed

Pos	Designation	Id	Pos	Designation	Id
Σ L	Yarn brake on the left	262 378	Σ R	Yarn brake on the right	262 377
1	Cover on the left	262 376	3	Cover on the right	262 375
2	Leaf spring	256 712	1	Leaf spring	256 712
3	Test clamping plate	256 713	2	Test clamping plate	256 713
500	Cap screw M4x6	023 067	500	Cap screw M4x6	023 067

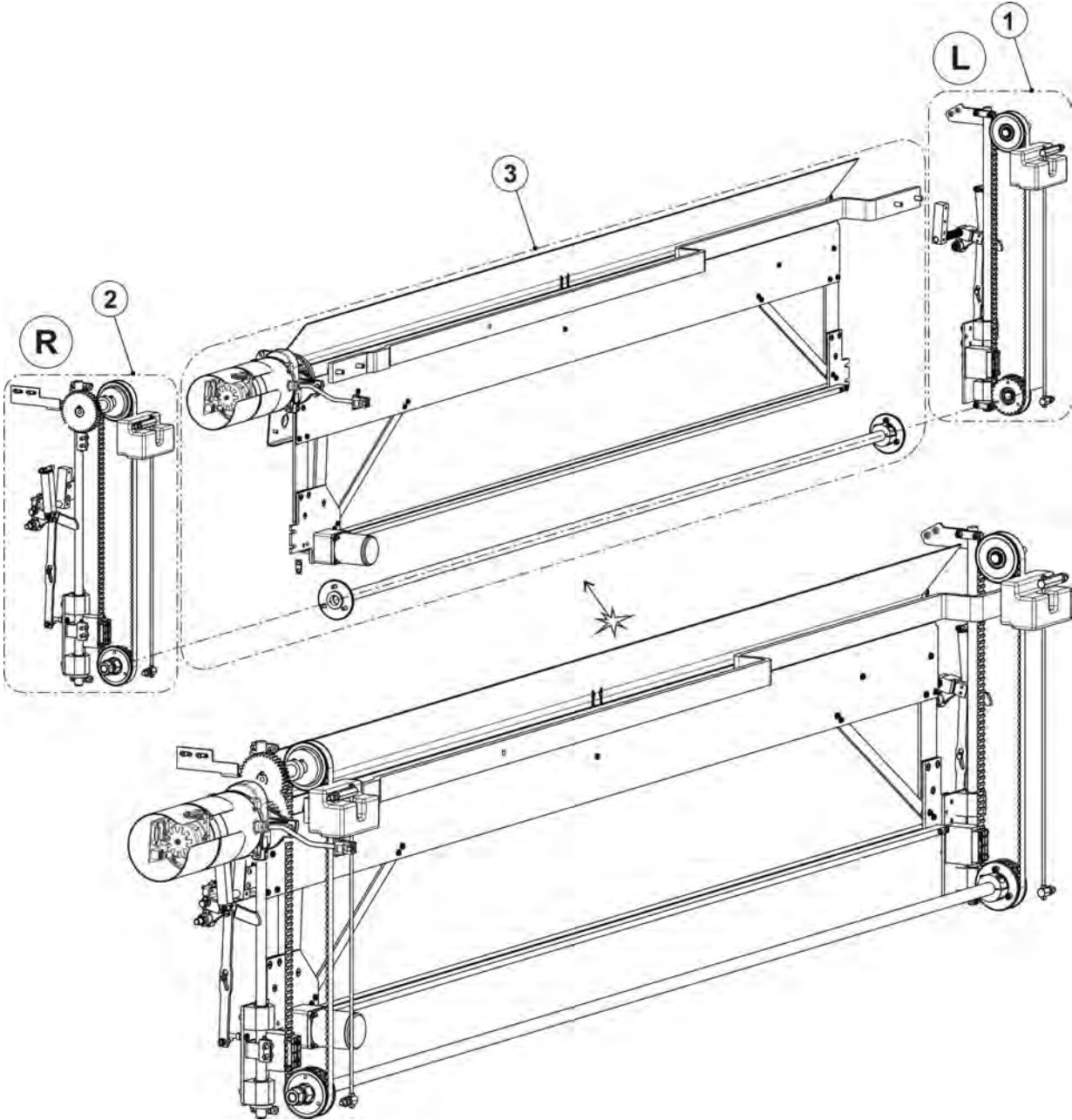


8 Comb Take-down



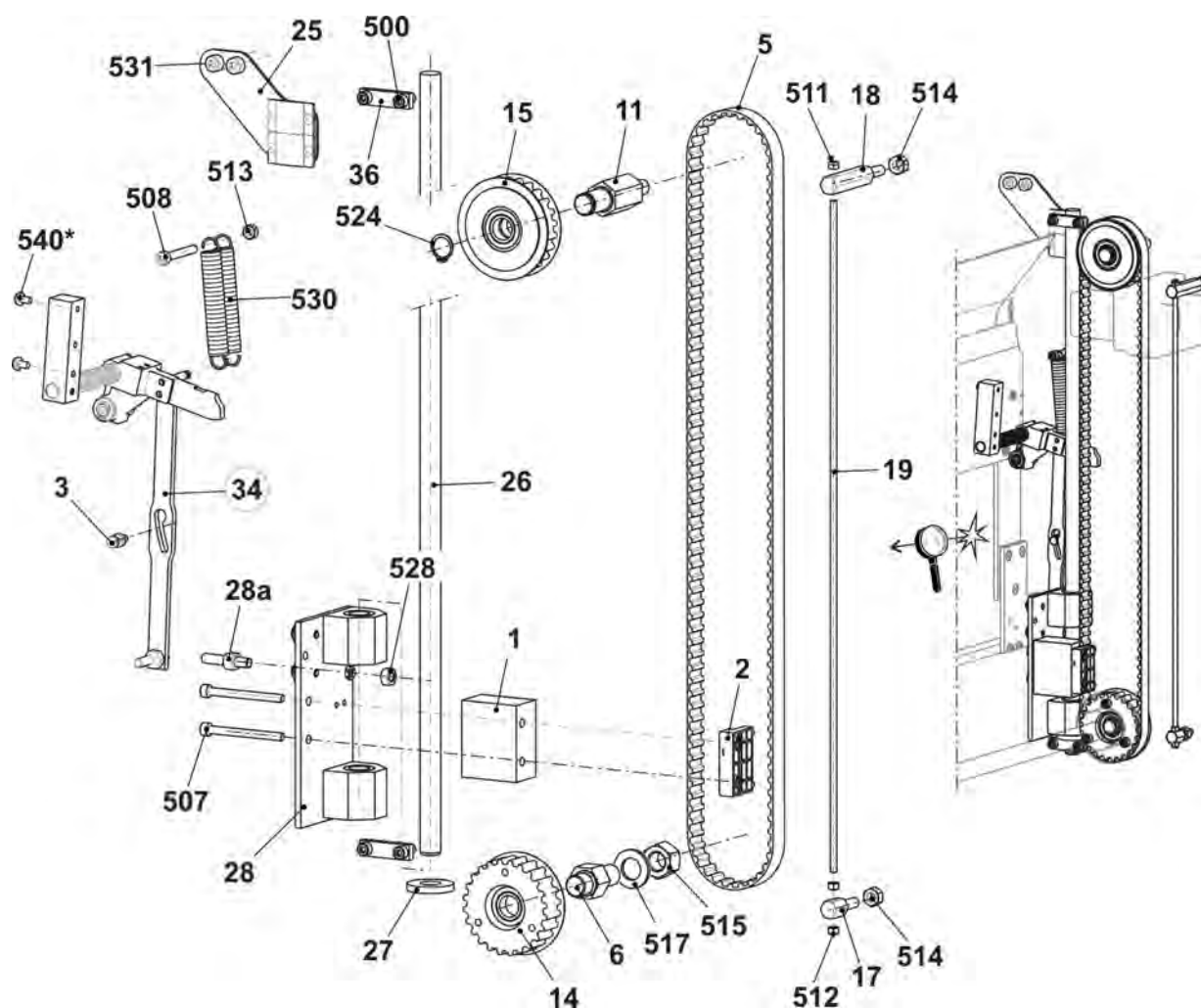
8.1 Comb Take-down

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down		2	Comb take-down on the right	256 839
1	Comb take-down on the left	261 815	3	Comb take-down in the middleE2,5.2	255 289



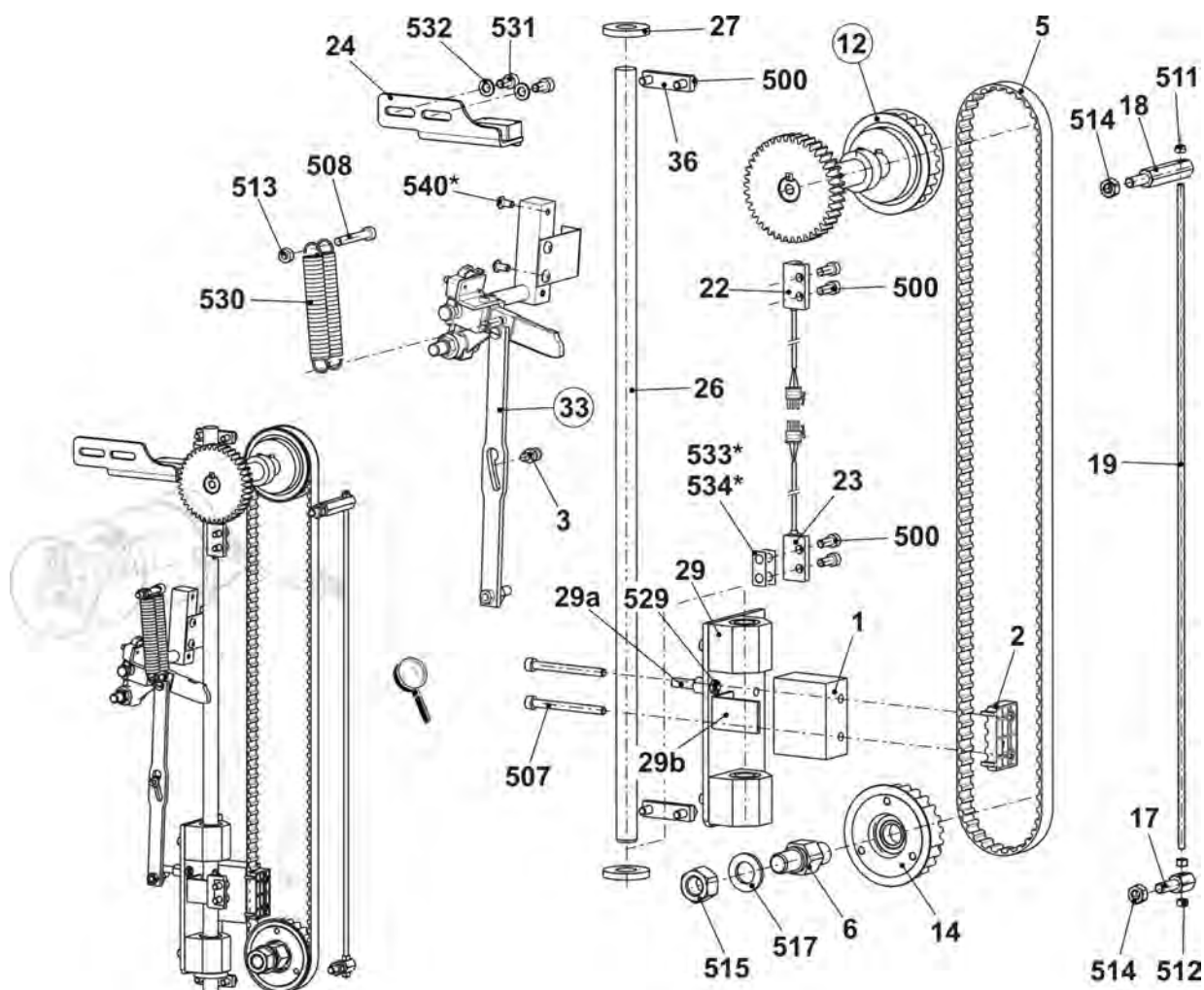
8.1.1 Comb take-down on the left

Pos	Designation	Id	Pos	Designation	Id
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 belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
11	Bolts	207 689	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
15	Toothed lock washer at the top complete	211 823	512	Hexagon nut M5-6	020 835
17	Stay bolt	222 315	513	Hexagon nut M6-6	020 836
18	Stay bolt	240 056	514	Hexagon nut M8-6	020 838
19	Threaded rod M5	240 057	515	Hexagon nut M16-6	020 845
25	Reflector complete	261 374	517	Washer 16	020 876
26	Guide bar C35	206 560	524	Retaining ring 17x1	023 299
27	Rubber buffer	206 561	530	Tension spring 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



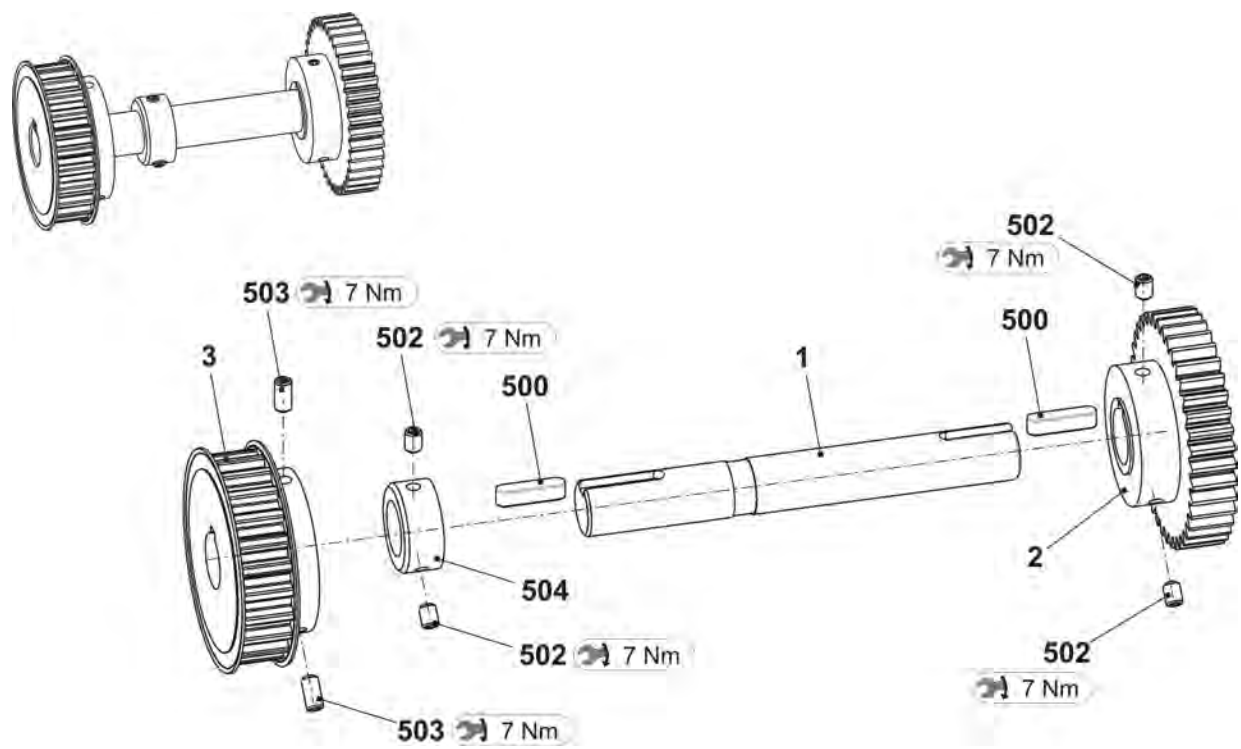
8.1.2 Comb take-down on the right

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 belt 16T10/1300	240 065	500	Cap screw M6x16	020 135
6	Eccentric pin	222 320	507	Cap screw M6x65	240 162
12	Drive shaft comb complete	214 583	508	Cap screw M6x45	022 689
14	Toothed lock washer at the bottom complete	211 822	511	Hexagon nut M5-8	023 541
17	Stay bolt	222 315	512	Hexagon nut M5-6	020 835
18	Stay bolt	240 056	513	Hexagon nut M6-6	020 836
19	Threaded rod M5	240 057	514	Hexagon nut M8-6	020 838
22	Proximity switch inductive at the top	231 516	515	Hexagon nut M16-6	020 845
23	Proximity switch inductive at the bottom	231 520	517	Washer 16	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	Washer 6	020 872
29	Comb guide on the right	255 424	533*	Shim 0,2x12x27	023 735
29a	Driving bolt	255 427	534*	Shim 0,5x12x27	023 736
29b	Angle	240 112	540*	Pan-head screw M5x10	023 247



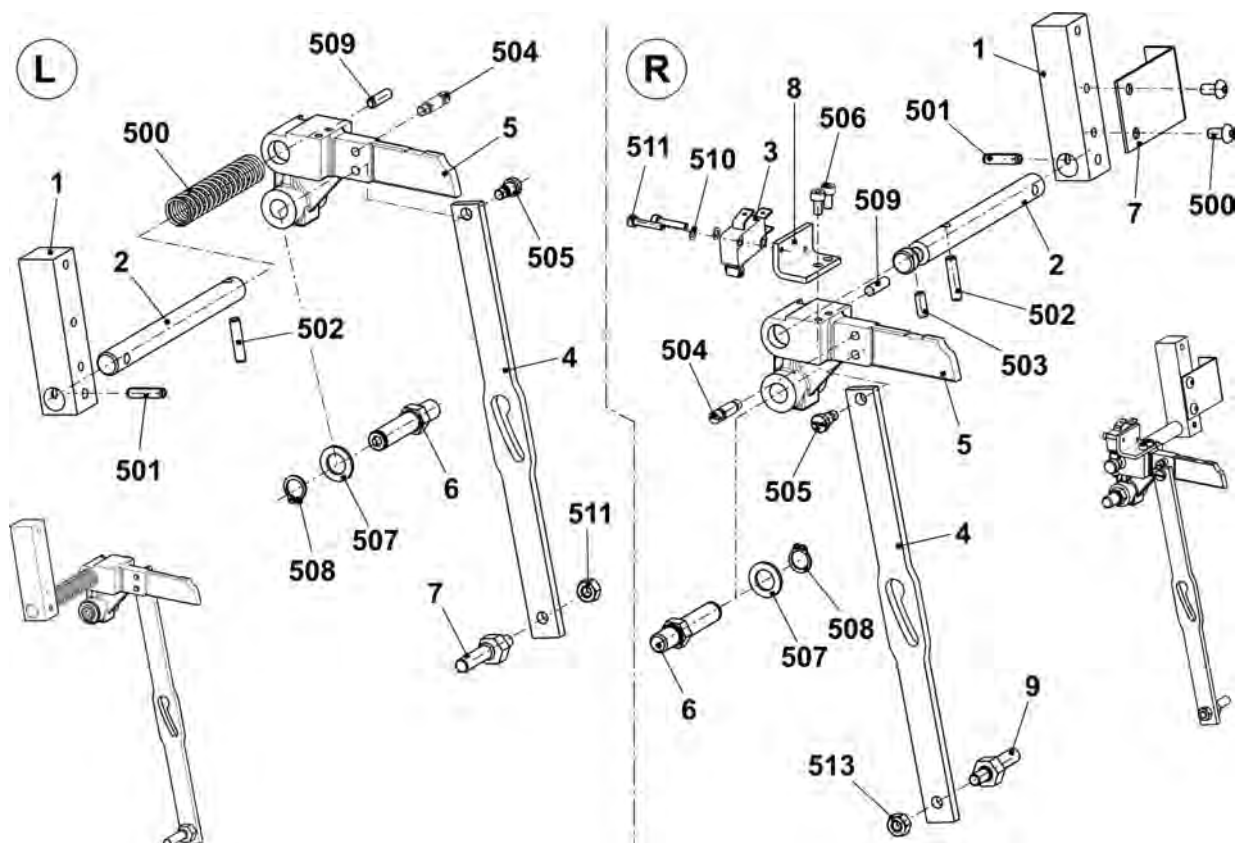
8.1.2.1 Drive shaft of comb

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				



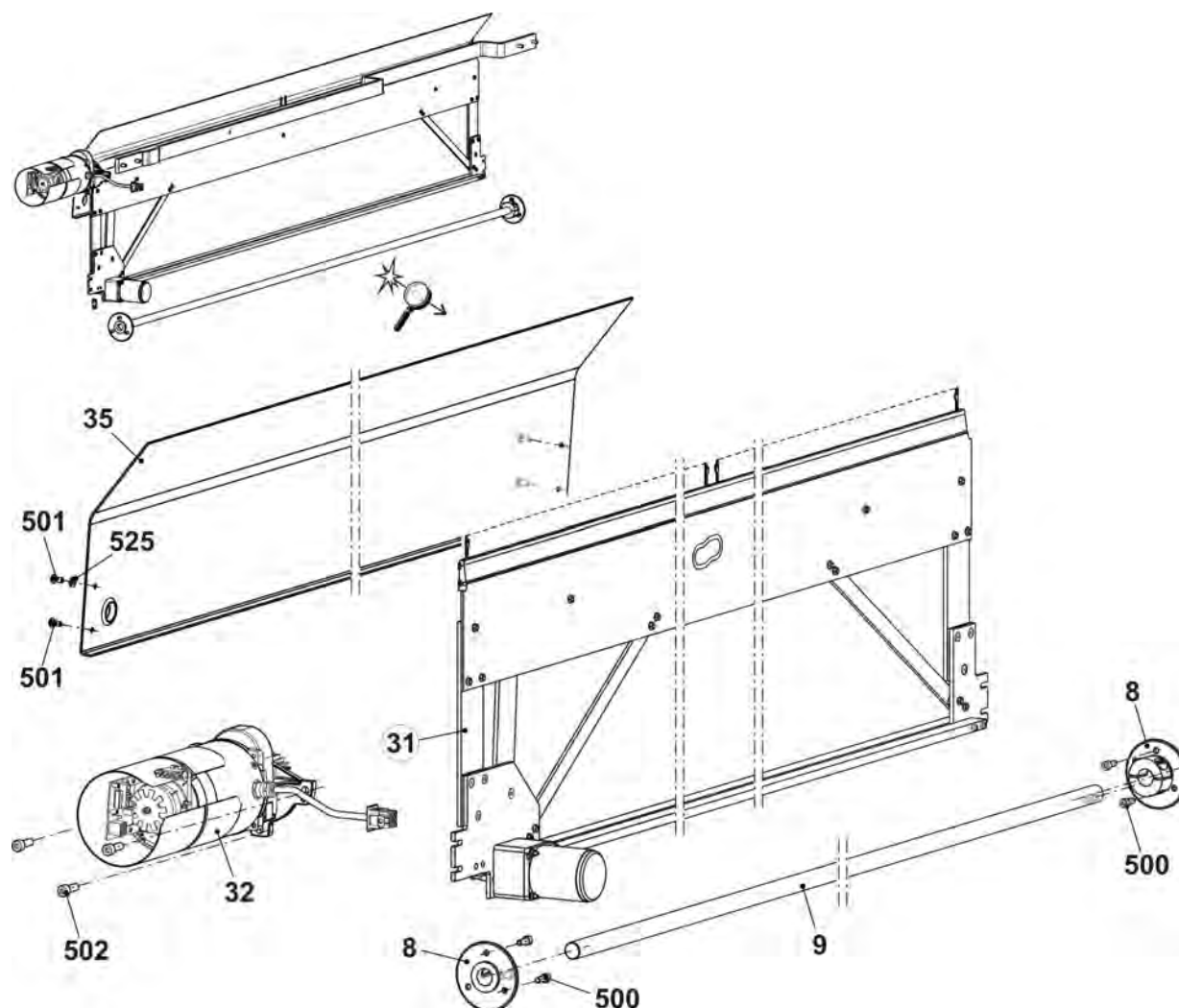
8.1.2.2 Swivel lever comb take-down

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	Shaft	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	Washer 10	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	Washer 10	020 884
511	Hexagon nut M8-6	020 838	508	Retaining ring10x1	020 950
Σ R	Swivel lever on the right	252 858	509	Shoulder screwM5X12X18	020 539
1	Support	252 780	510	Cap screw M3x16	022 583
2	Shaft	238 339	511	Washer 3	020 877
			513	Hexagon nut M8-6	020 838



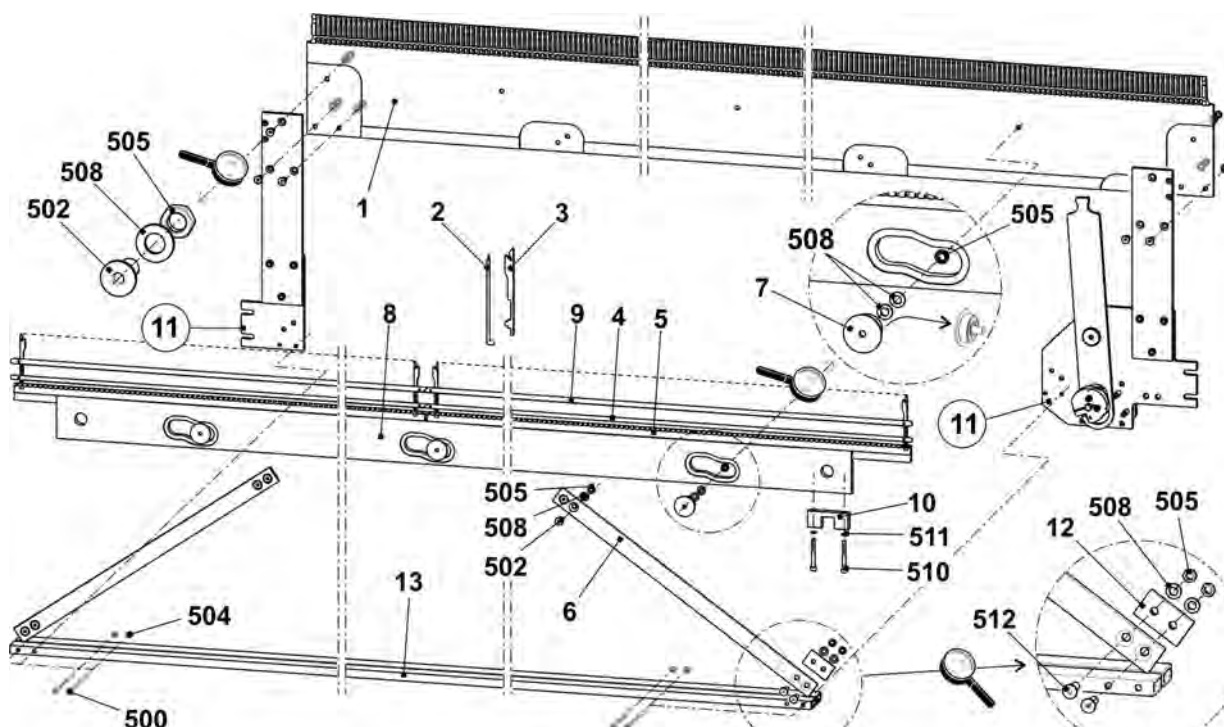
8.1.3 Comb take-down in the middle

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb take-down in the middle E2,5.2	255 289		Comb unit E2,5.2	244 329
8	Flange	207 695	32	Motor take-down unit complete	253 803
9	Shaft long	236 875	35	Marking plate	252 830
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



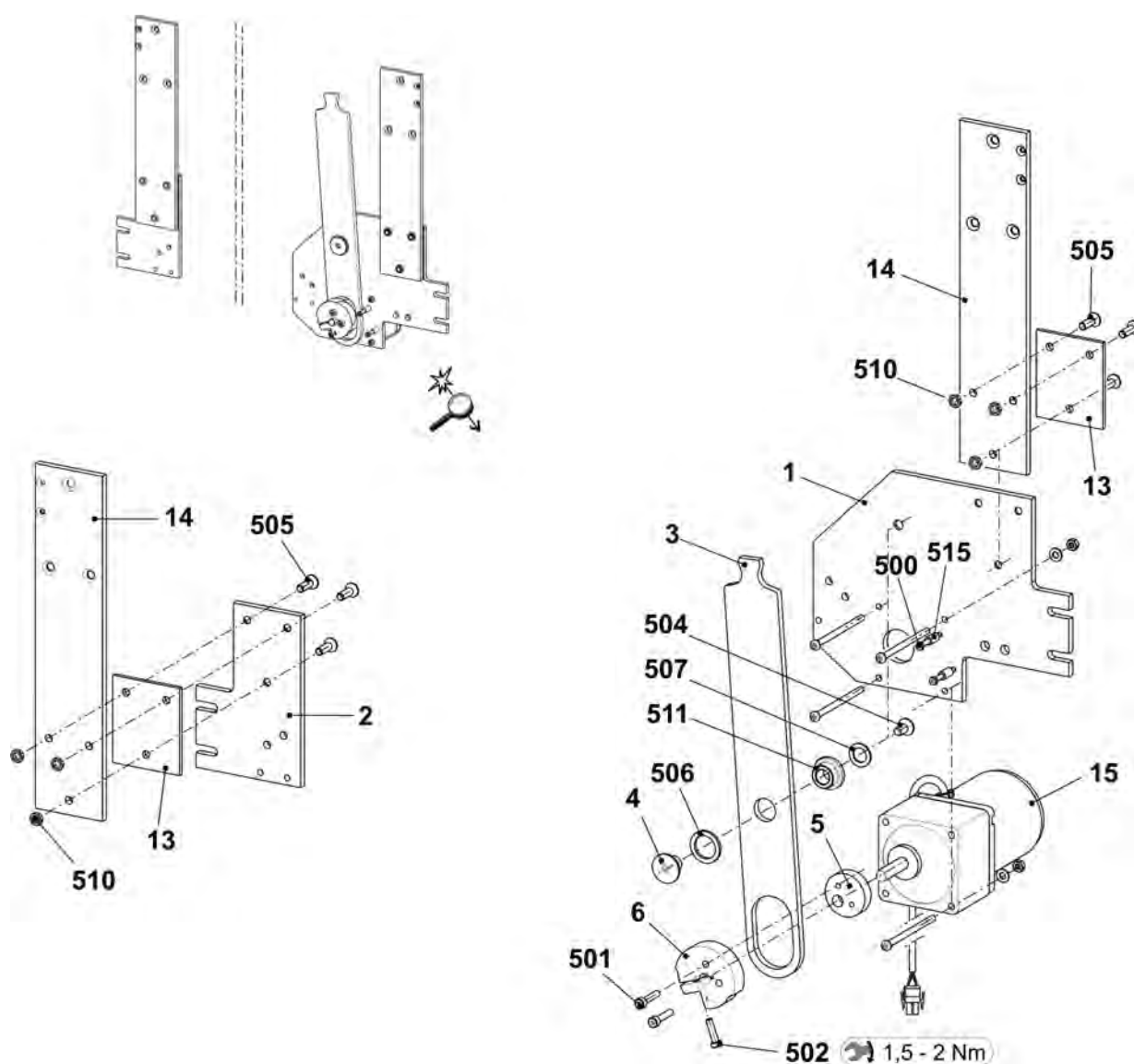
8.1.3.1 Comb unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Comb unitE2,5.2	244 329	11	Switching lever complete	240 060
1	Hook bedE5	237 468	12	Intermediate plate	218 742
2	CloserE3-8	230 105	13	Stabilizer	237 056
3	BodyE2,5.2	230 093	500	Cap screw M4x50	023 102
4	Cover rail	237 065	502	Countersunk head screw M5x12	023 340
5	Hook sliderE5	237 463	504	Hexagon nut M4-8	023 046
6	Strut	218 740	505	Hexagon nut M5-04	020 854
7	Collar bolt complete	211 036	508	Washer 5-200	020 871
8	Cross slider	237 069	510	Cap screw M4x30	023 290
9	Cover rail	237 074	511	Circlip	022 774
10	Plunger	205 678	512	Countersunk screw M5x16	023 417



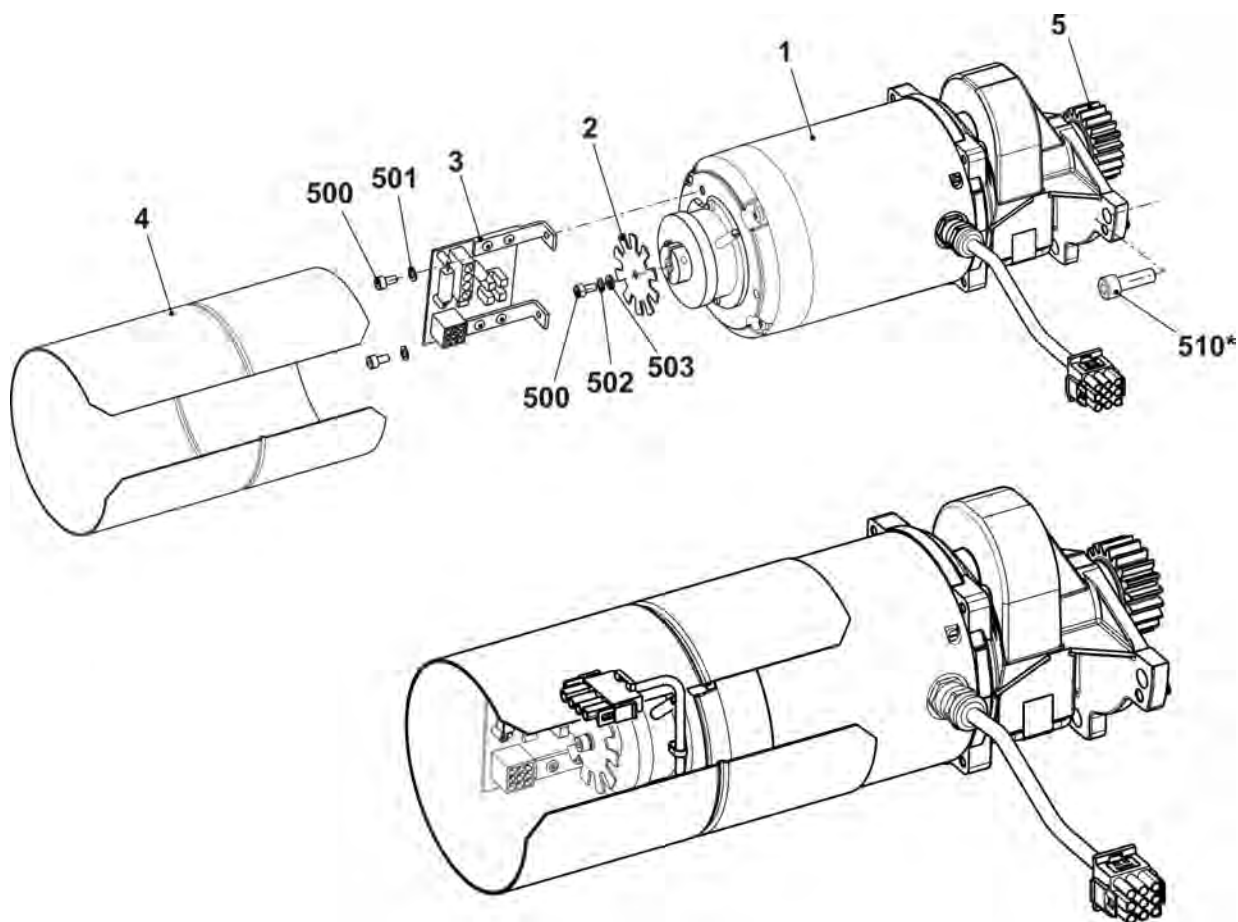
8.1.3.1.1 Switching lever comb take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Switching lever complete	240 060	500	Cap screw M3x25	023 093
1	Screw-on plate on the right	240 058	501	Cap screw M4x20	023 171
2	Screw-on plate on the left	240 059	502	Cap screw M4x16	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

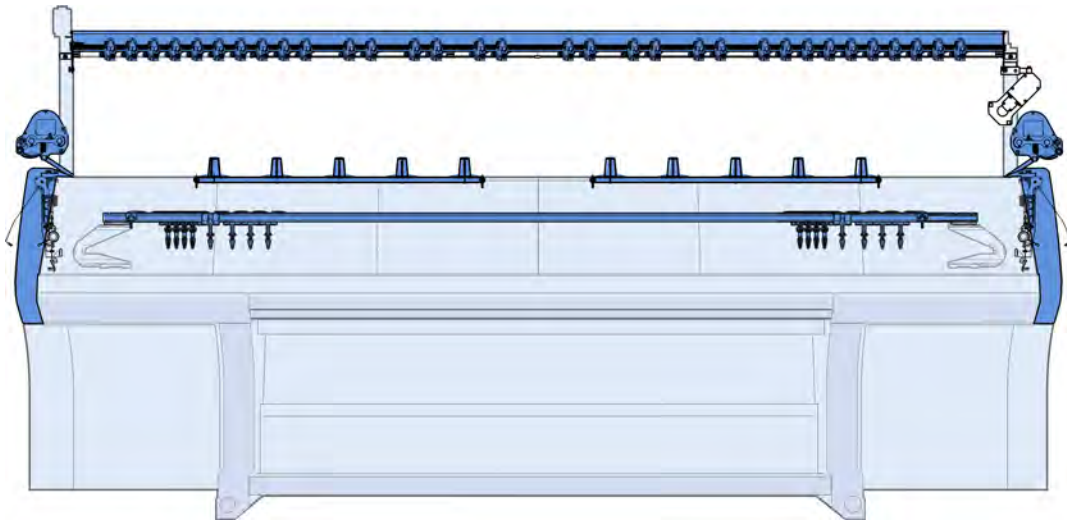


8.1.3.2 Impulse sensor and motor

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	Washer 4-200	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

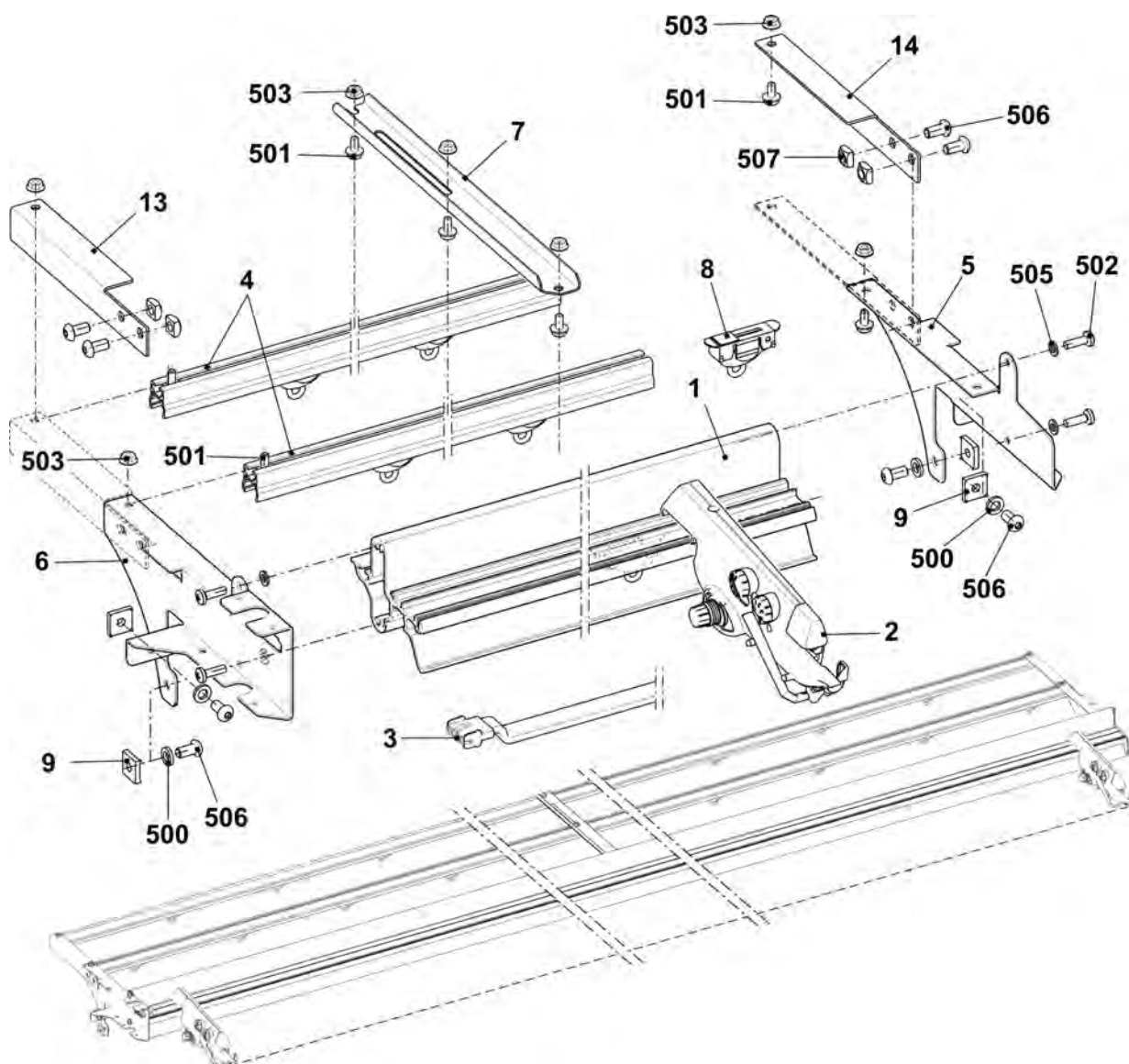


9 Yarn delivery device



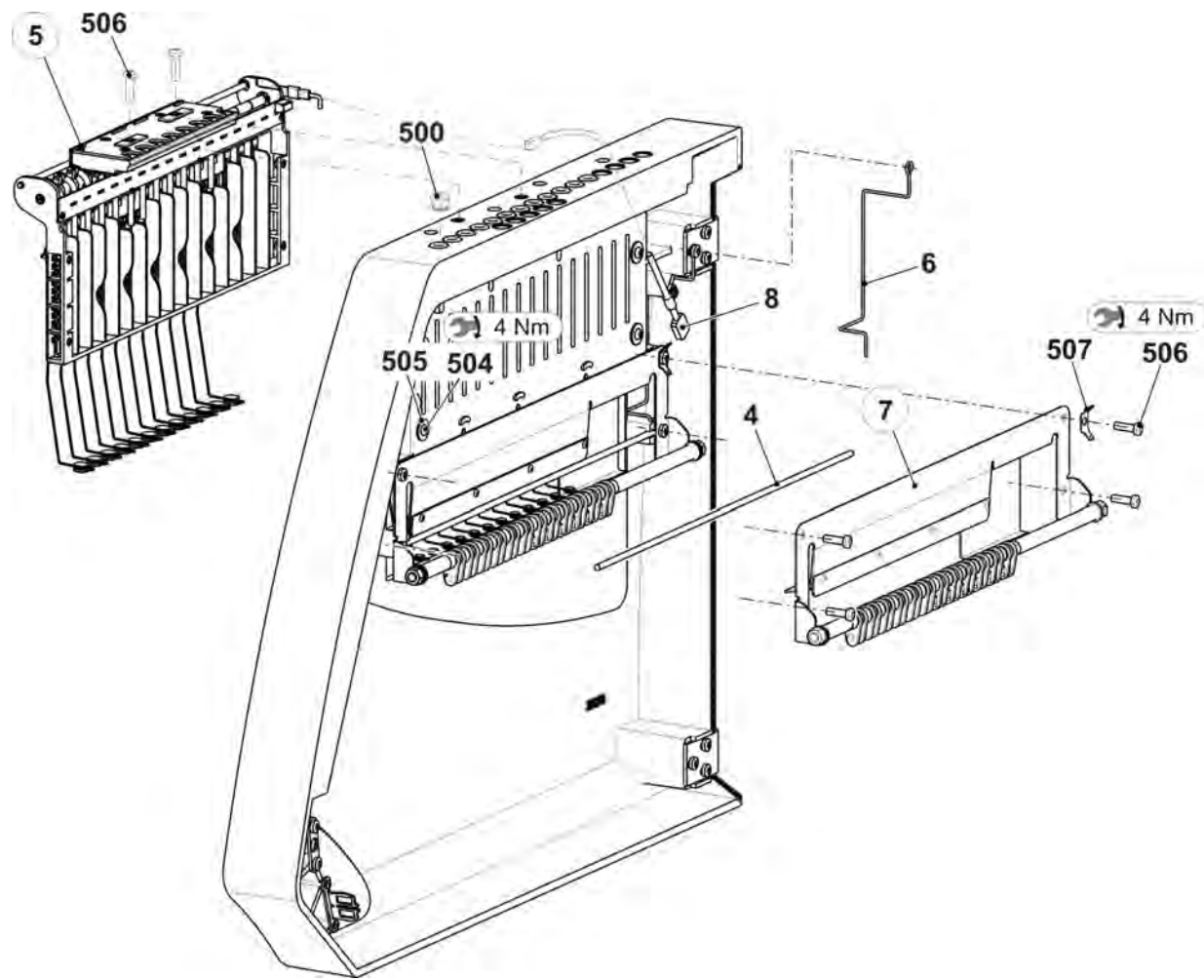
9.1 Yarn guide system with 32 FKE

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Yarn guide device 32 FKE 84"	242 991			
1	Straps	243 112	13	Support on the left	243 602
2	Yarn control device(FKE)	237 124	14	Support on the right	243 603
3	Connection cable FKE-3 84"	240 349	500	Serrated lock washer	023 388
4	Yarn guide bar	236 932	501	Self-locking screw M6x12	023 415
5	Support on the right	243 601	502	Screw M6x20	023 721
6	Support on the left	243 600	503	Serrated nut M6-10	023 414
7	Straps	239 295	505	Washer 6	022 431
8	Yarn guide bracket complete	241 581	506	Pan-head screw M8x16	023 113
9	Slot nut	228 851	507	Square nut M8	023 269



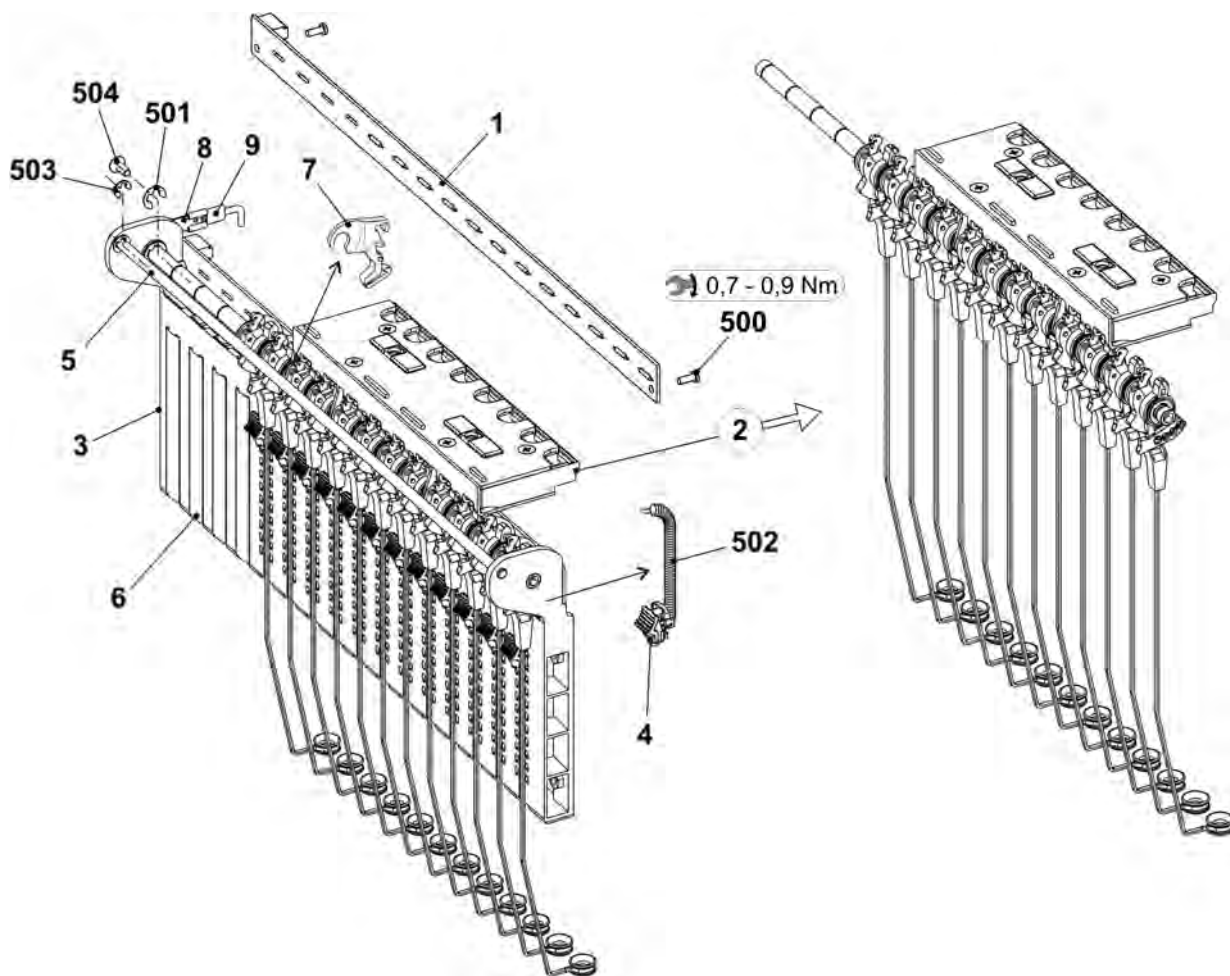
9.2 Left yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the left complete E3-4	265 337			
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the left complete E3-4	265 386	504	Pan-head screw M5x16	265 377
6	Wire bow on the left	265 052	505	Washer 5,3x18x1,5	020 909
7	Yarn deflector on the left complete	265 285	506	Screw 6x20	265 379
8	Connection cable yarn tensionerokc	240 808	507	Flat connector 2x45° M6	243 117



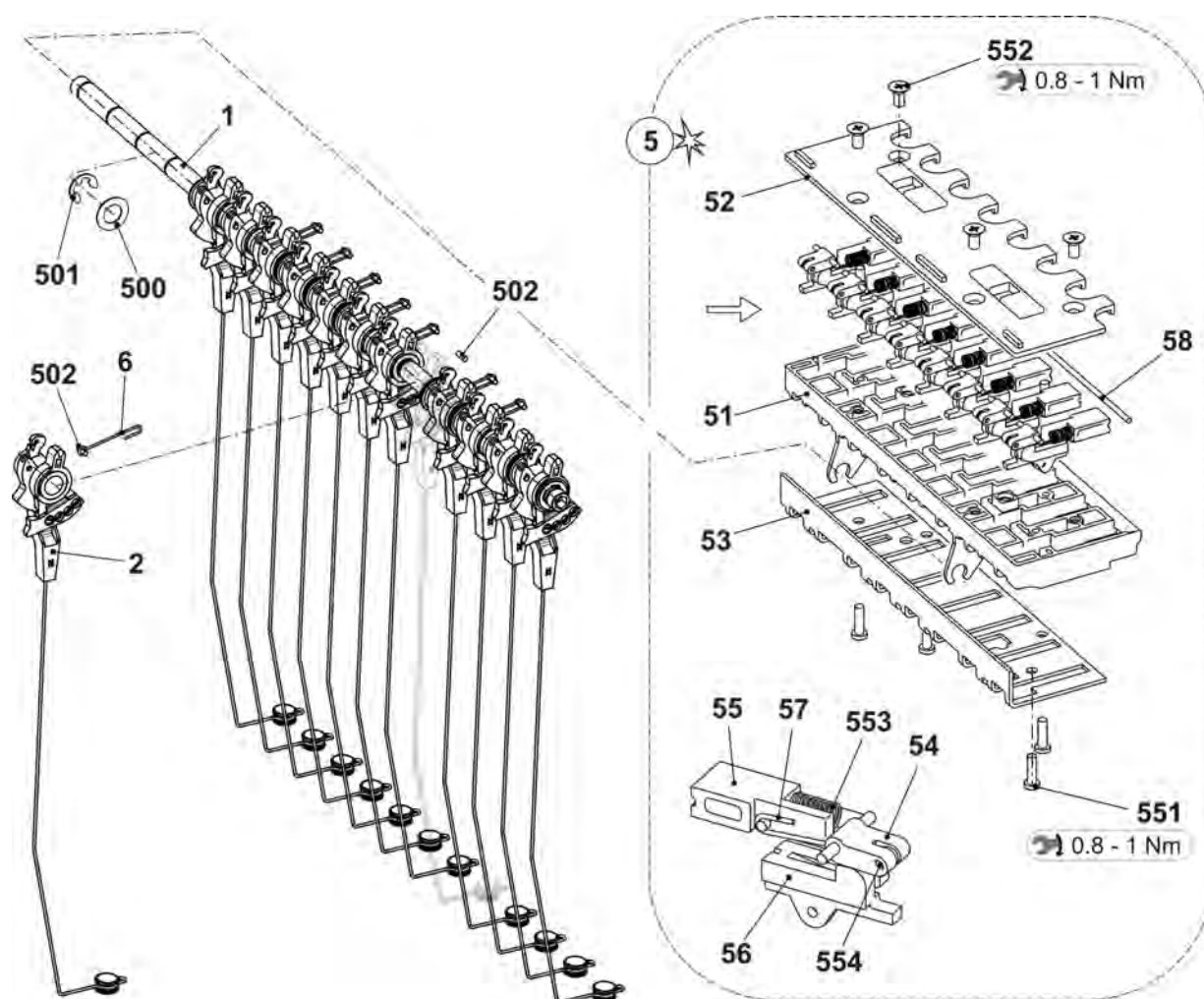
9.2.1 Left yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the left complete E3-4	265 386			
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 E3-4	265 388	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 5,6x0,63x53,7	023 722
6	Border	242 268	503	Circlip	021 020
7	Spacer	242 048	504	Countersunk screw M4x10	241 914



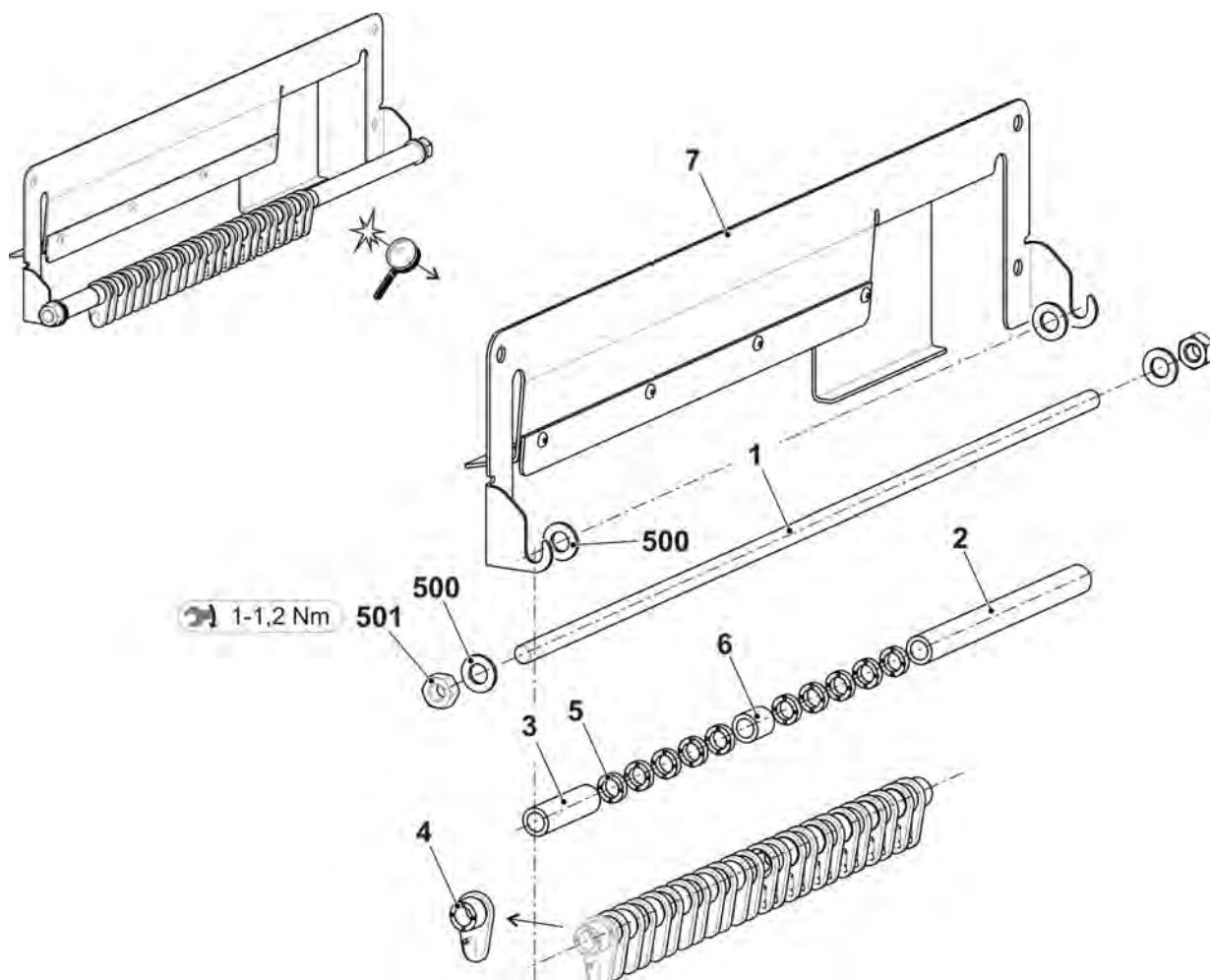
9.2.2 Left tension axle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Tension axle on the left complete E3-4	265 388	53	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107	54	Lever AKF	238 692
2	Tension arm pre-assembled E3-8	242 770	55	Pressure piece AKF	238 690
6	Wire bow	238 694	56	Slider AKF	238 691
500	Shim ring 8x14x0,5	023 501	57	Wire bow	238 694
501	Circlip	021 022	58	Wire	237 940
502	Grooved pin 2x6	243 172	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	Housing AKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172



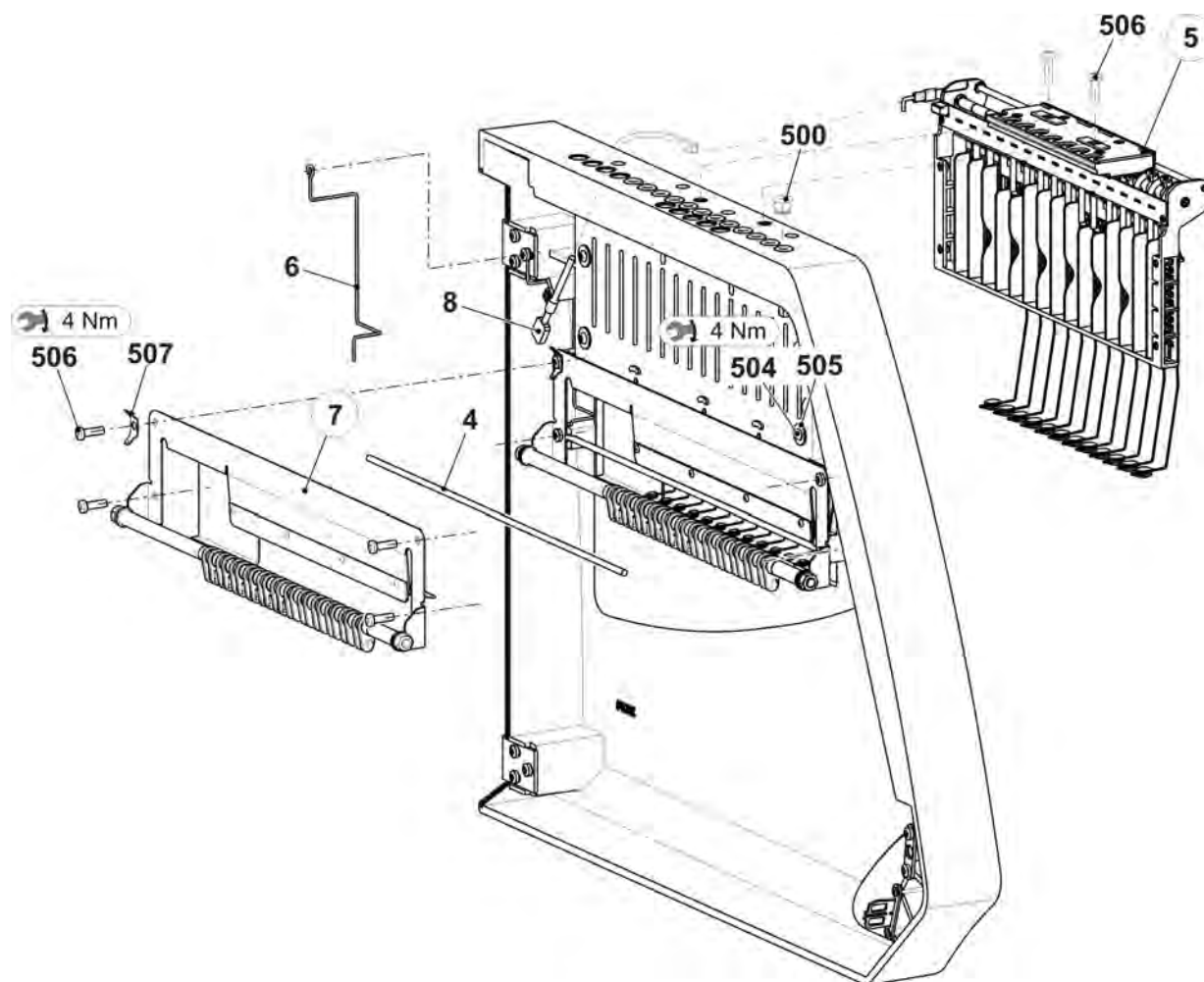
9.2.3 Yarn deflector on the left

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the left complete	265 285	5	Distance bushing E3-4	262 445
1	Axle	265 284	6	Distance bushing	264 997
2	Threaded spacer	265 282	7	Stop plate left complete	265 276
3	Threaded spacer	265 283	500	Washer 8	022 854
4	Yarn Carriers MH10 E3-4	262 391	501	Hexagon nut M8-6	261 011



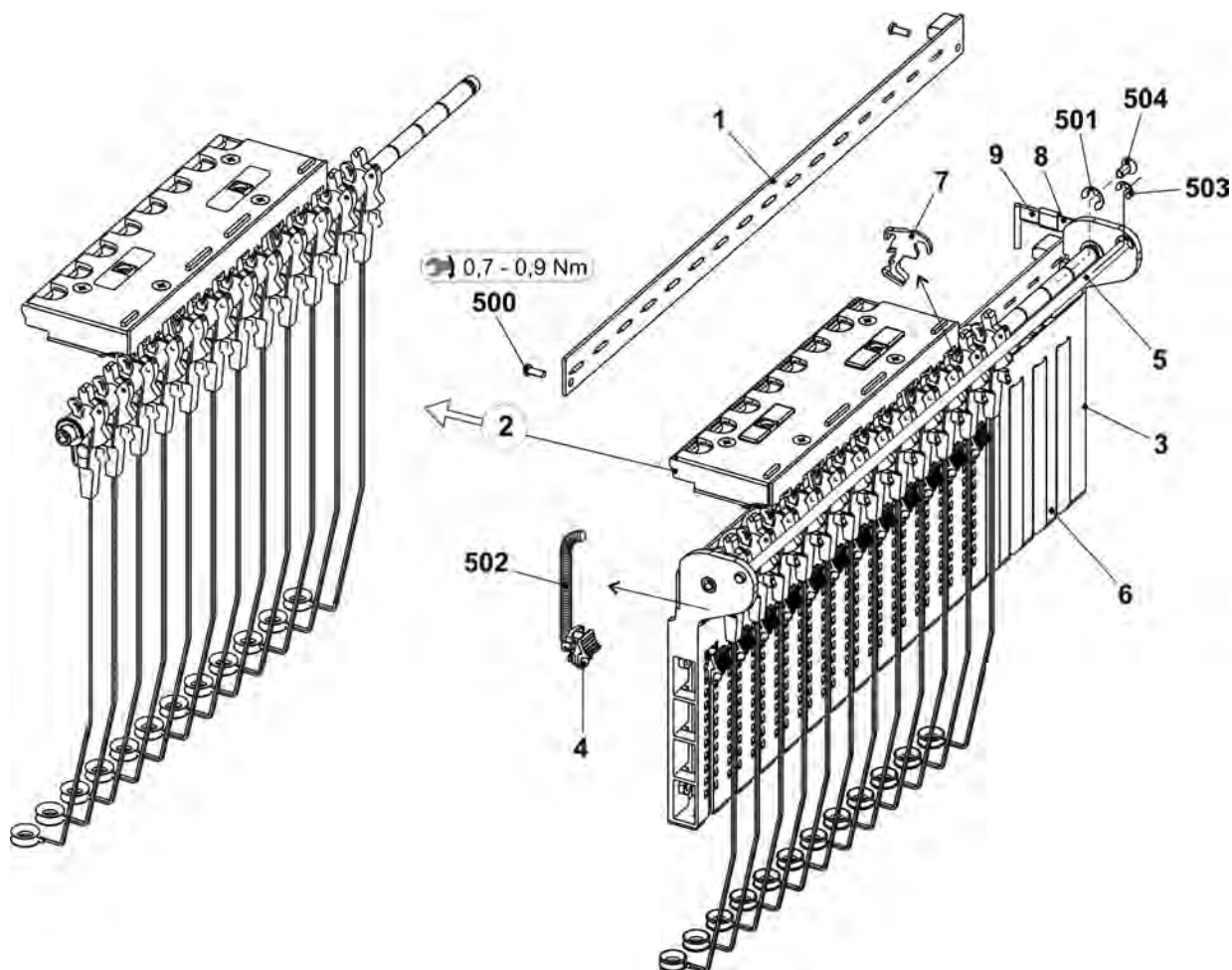
9.3 Right yarn guide

Pos	Designation	ID	Pos	Designation	ID
Σ	Safety door on the right complete E3-5	265 338			
4	Shaft	241 318	500	Ceramic eyelet	240 640
5	Yarn tensioner on the right complete E3-5	265 387	504	Pan-head screw M5x16	265 377
6	Wire bow on the right	265 053	505	Washer 5,3x18x1,5	020 909
7	Yarn deflector on the right complete	265 356	506	Screw 6x20	265 379
8	Connection cable yarn tensionerokc	240 808	507	Flat connector 2x45° M6	243 117



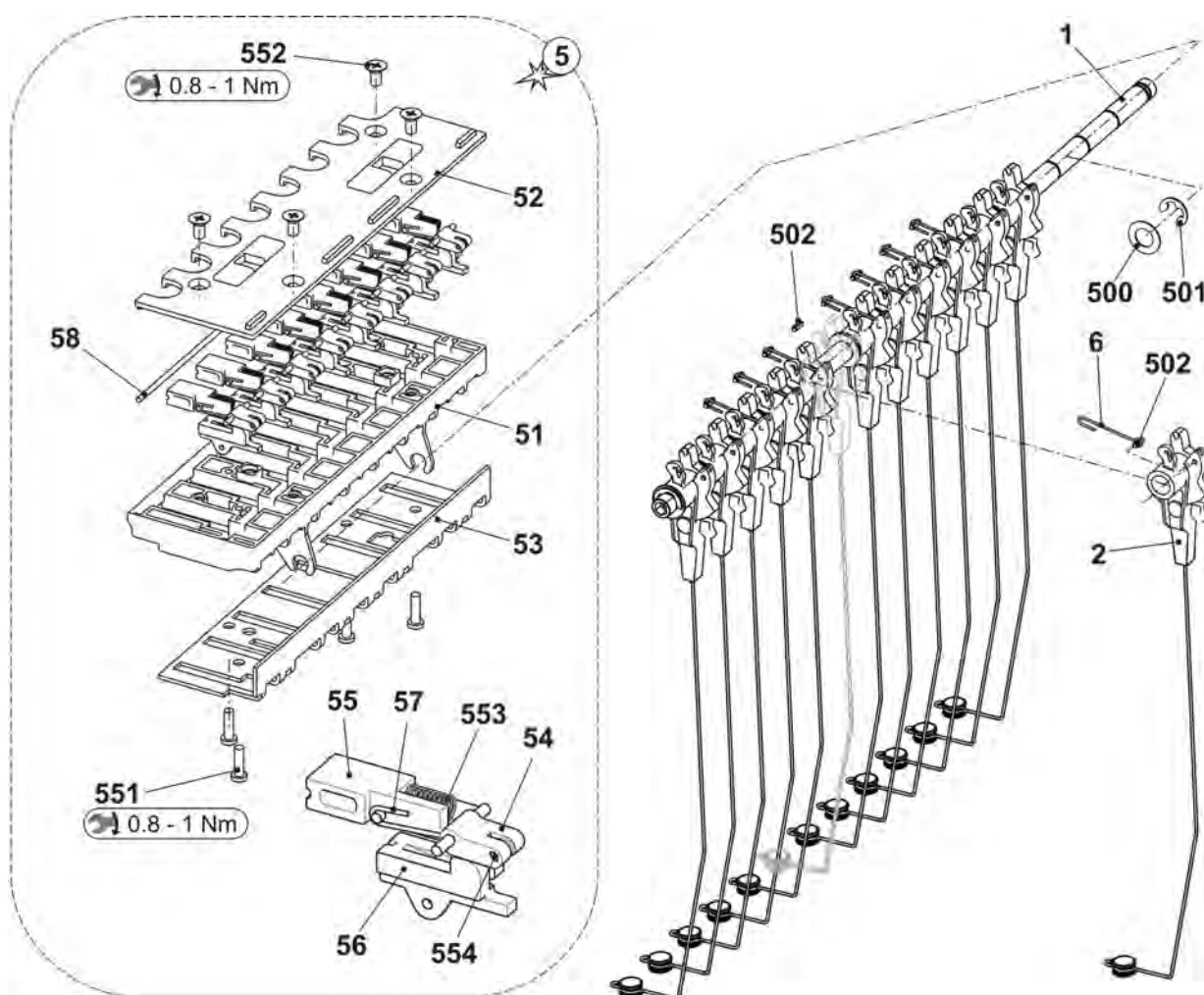
9.3.1 Right yarn tensioner

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn tensioner on the right E3-4	265 387			
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 E3-4	265 389	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 5,6x0,63x53,7	023 722
6	Border	242 268	503	Circlip	021 020
7	Spacer	242 048	504	Countersunk screw M4x10	241 914



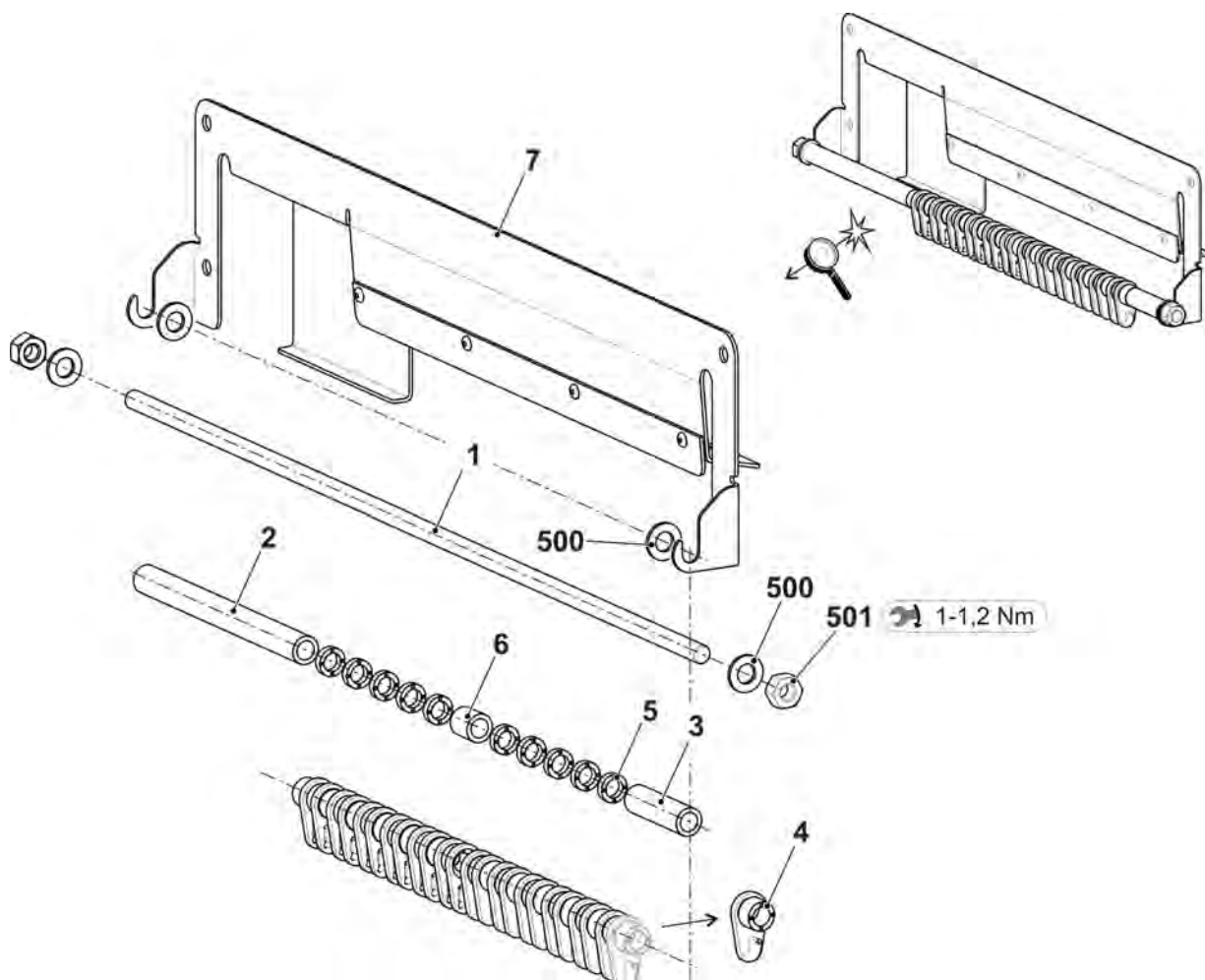
9.3.2 Right tension axle

Pos	Designation	Id. no.	Pos	Designation	Id. no.
Σ	Tension axle on the right complete	E3-4 265 389	53	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107	54	Lever AKF	238 692
2	Tension arm pre-assembled	E3-8 242 770	55	Pressure piece AKF	238 690
6	Wire bow	238 694	56	Slider AKF	238 691
500	Shim ring 8x14x0,5	023 501	57	Wire bow	238 694
501	Circlip	021 022	58	Wire	237 940
502	Grooved pin 2x6	243 172	551	Screw KB 35x12	237 681
5	Thread clamp AKF	238 695	552	Screw KB 40x8	236 227
51	Housing AKF	238 689	553	Compression spring 0,30x4,50x18,50	241 437
52	Cover AKF	237 926	554	Grooved pin 2x6	243 172



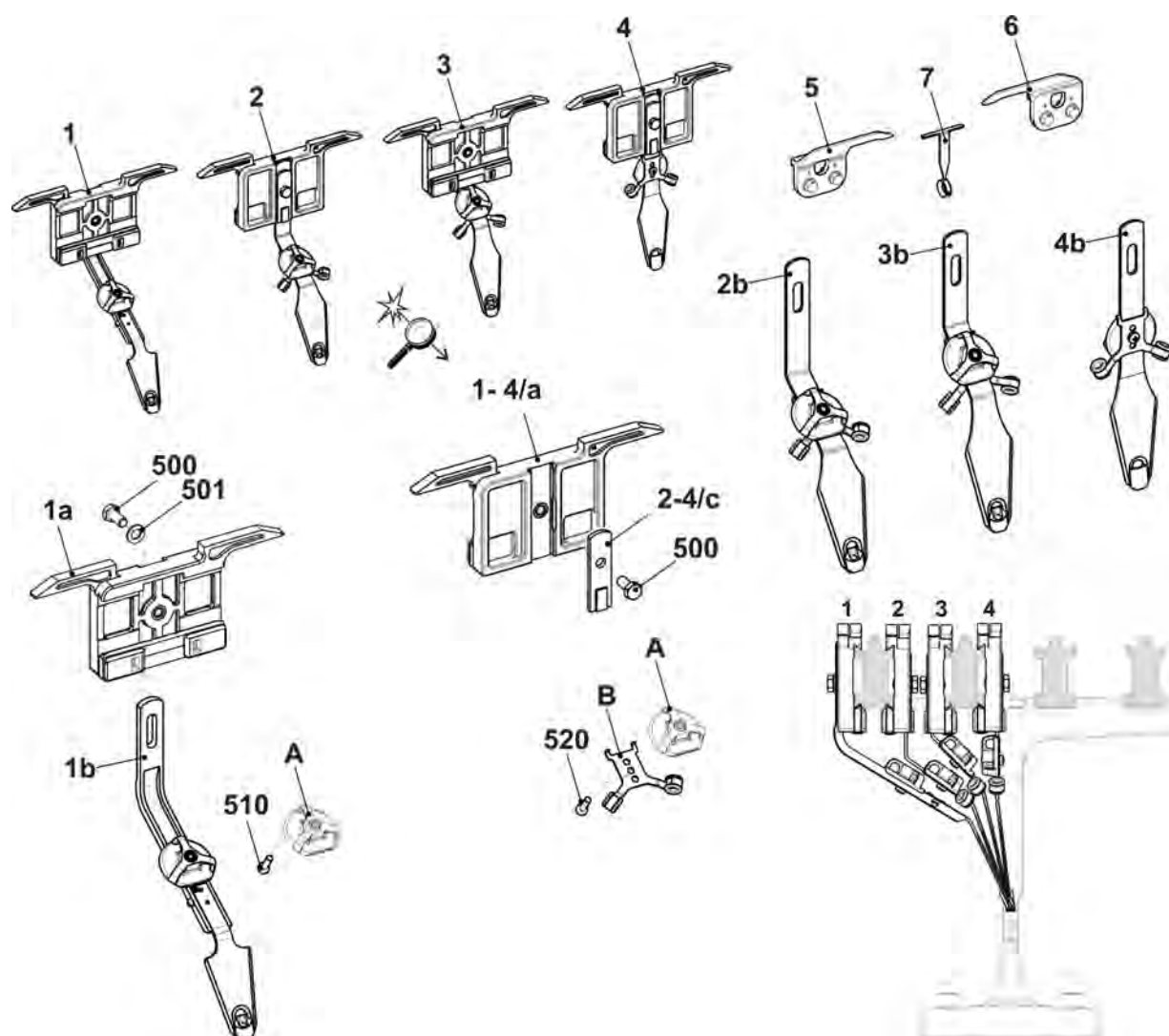
9.3.3 Yarn deflector on the right complete

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn deflector on the right complete	265 356	5	Distance bushing E3-4	262 445
1	Axle	265 284	6	Distance bushing	264 997
2	Threaded spacer	265 282	7	Stop plate right complete	265 277
3	Threaded spacer	265 283	500	Washer 8	022 854
4	Yarn Carriers MH10 E3-4	262 391	501	Hexagon nut M8-6	261 011



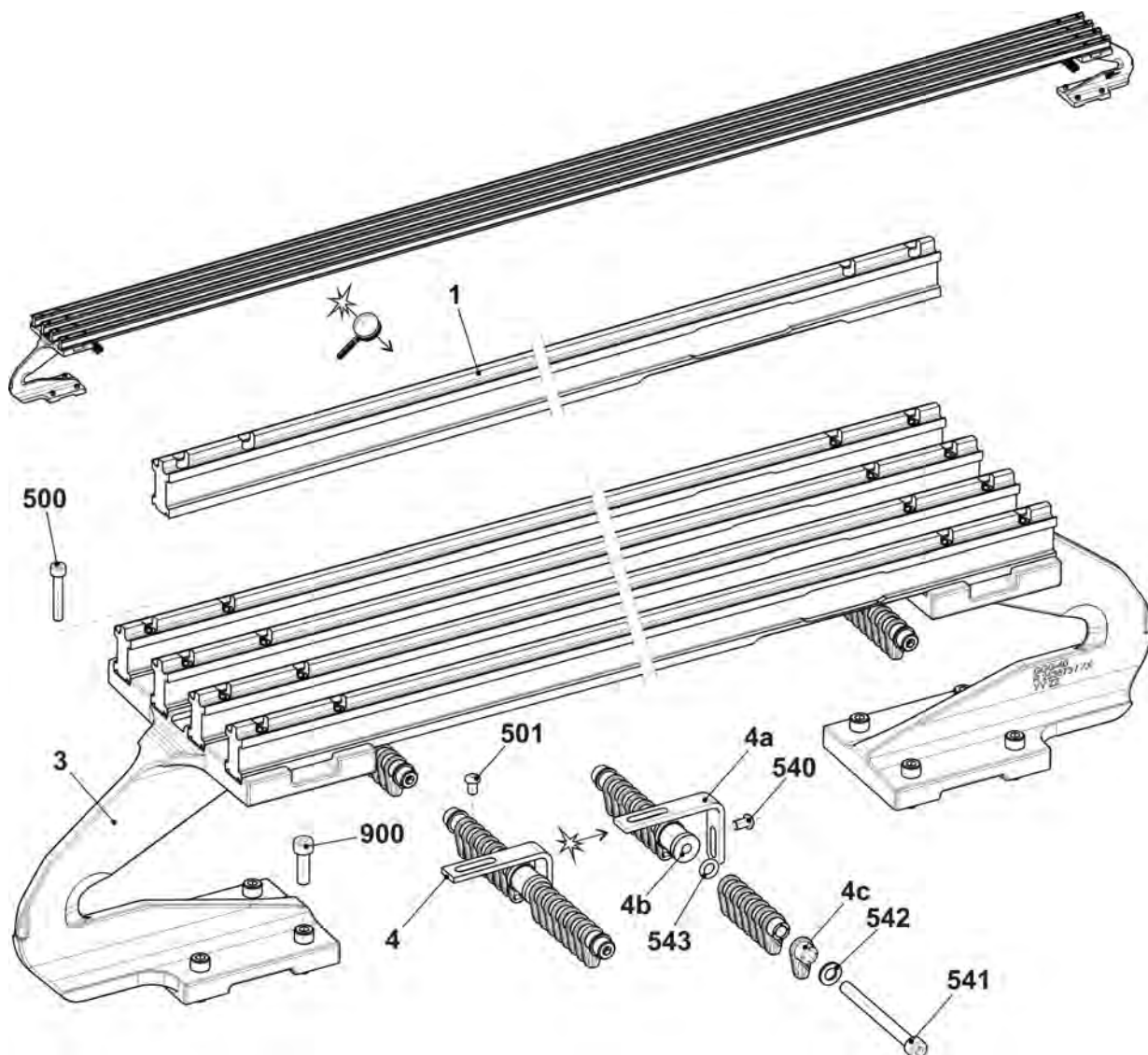
9.4 Carriage of yarn carrier

Pos	Designation	ID	Pos	Designation	ID
Σ	Yarn guide complete	262 423	1-4/a	FF carriage complete	241 887
1	FF carriage 1+8 complete E3-4m.3L	217 486	1b	FF bow 1+8 complete E3-4	216 266
2	FF carriage 2+7 complete E3-4m.3L	262 386	2b	FF bow 2+7 complete E3-4m.3L	262 383
3	FF carriage 3+6 complete E3-4m.3L	262 387	3b	FF bow 3+6 complete E3-4m.3L	262 384
4	FF carriage 4+5 complete E3-4m.3L	262 388	4b	FF bow 4+5 complete E3-4m.3L	262 385
5	Limiter on the left	244 099	2-4/c	Shim	213 035
6	Limiter on the right	244 098	A	Yarn guide star	202 146
7	Slider with eyelet	230 709	B	Yarn guide star complete	262 036
500	Hexagon screw M5x10	020 351	510	Pan-head screw M3x12	023 033
501	Washer 8	259 666	520	Pan-head screw M3x10	023 032



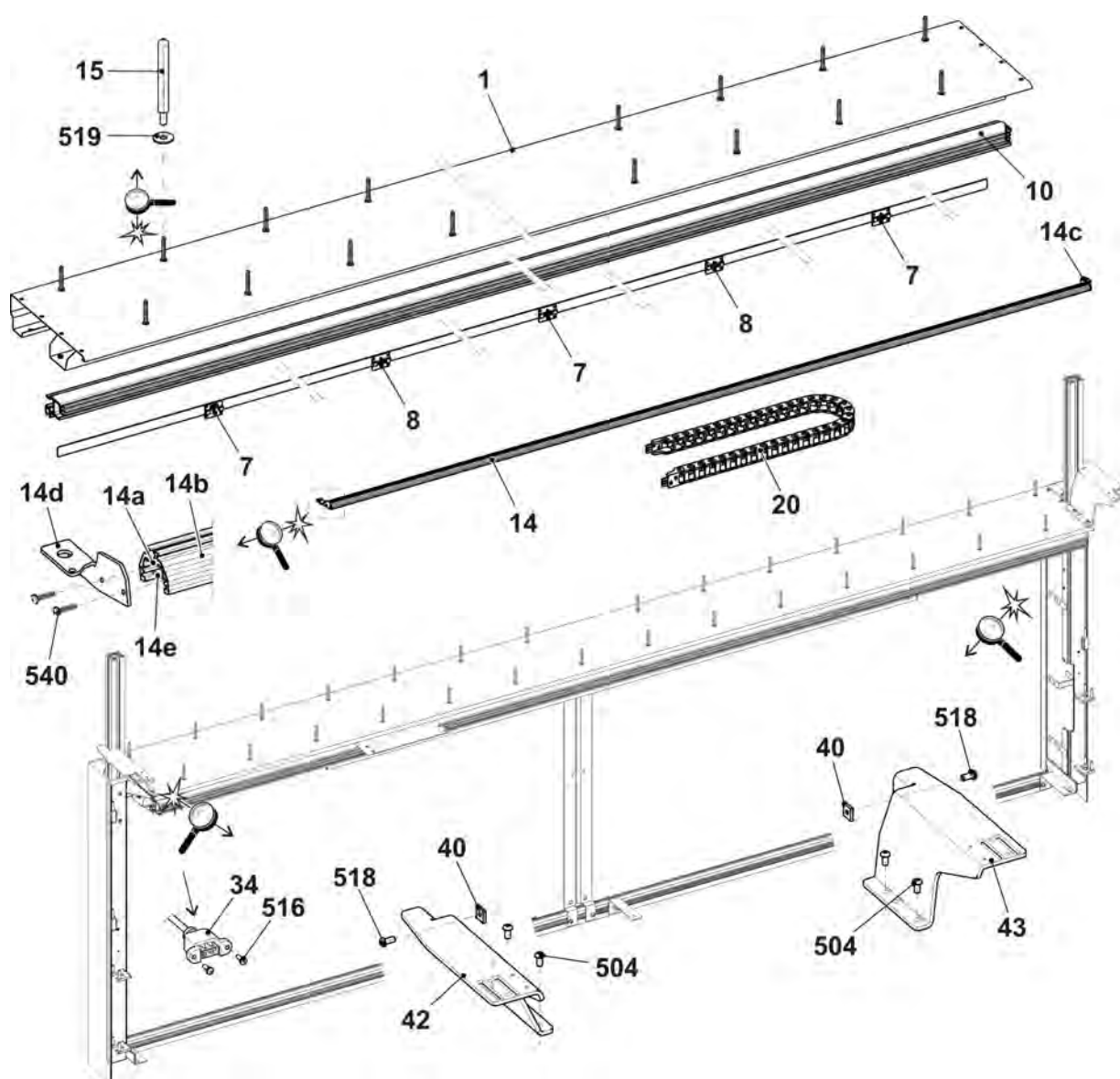
9.5 Bar unit

Pos	Designation	ID	Pos	Designation	ID
Σ	Bar unit	262 467			
1	Yarn carrier rail	255 467	540	Pan-head screw M6x10	023 183
3	FF support	253 674	541	Cap screw M8x90	022 698
4	Yarn deflector complete	262 465	542	Washer 8	023 183
4a	Holding angle	262 463	543	O-ring 8x3	022 858
4b	Bolts	262 462	500	Cap screw M6x35	020 139
4c	Yarn carrier MH 10	262 391	501	Pan-head screw M6x10	023 183
			900	Cap screw M8x25	020 142



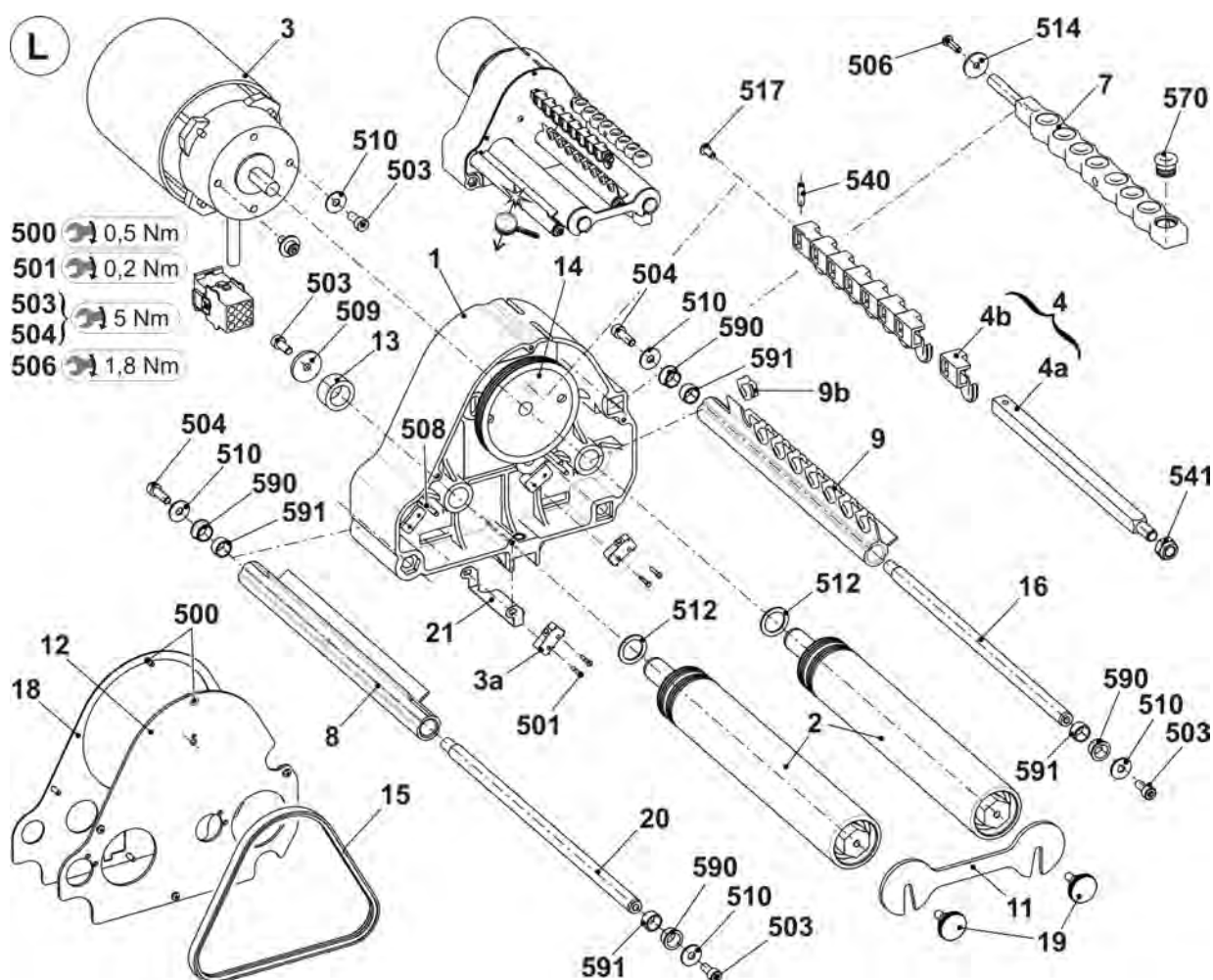
9.6 Bobbin board

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	264 894	40	Slot nut	228 851
14	Lamp LED complete	264 767	42	Support of left feed wheel	264 453
14a	Card LED-module	263 642	43	Support of right feed wheel	264 454
14b	Support profile of lamp	263 677	504	Pan-head screw M8x16	023 113
14c	Support right	264 766	516	Pan-head screw M3x8	023 251
14d	Support on the left	264 768	518	Pan-head screw M8x18	251 331
14e	Cover	263 647	519	Washer	020 901



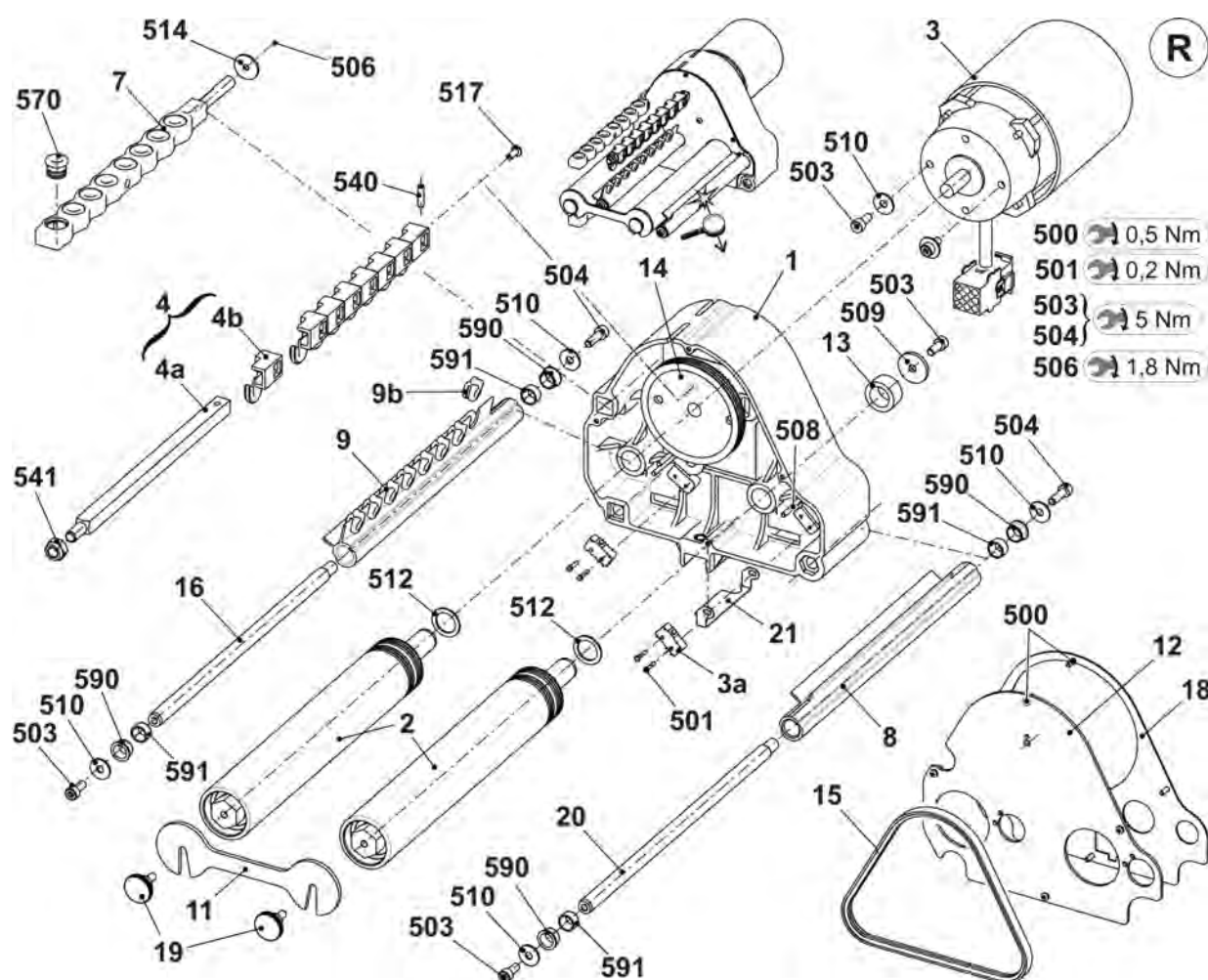
9.7 Left friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the left	264 324	13	Bush	221 391
1	Housing	240 368	14	V-ribbed belt pulley	221 268
2	Friction roller complete	231 704	15	Ribbed V-belt V3J 406	206 927
3	Three-phase AC motor complete	219 800	16	Rod	221 319
3a	Microswitch	008 664	18	Cover	230 758
4	Deflector complete 8-fold	250 089	19	Knurled screw	223 361
4a	Support rail	250 055	20	Rod	230 658
4b	Eyelet holder complete	250 077	21	Grounding plate	256 622
540	Spring dowel sleeve 4x16	020 783	500	Screw KB30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	265 445
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	508	Dowel pin3M6x40	023 528
9b	Eyelet	230 662	509	Washer 5,3x22x2,5	023 219
590	Slide bearing	023 627	510	Washer 5	020 901
591	Guide piece	259 453	512	Shim ring 15x21x1	023 216
11	Bracket	221 316	514	Washer 4,3x18x1,5	020 908
12	Cover	251 098	517	Pan-head screw M4x8	023 579

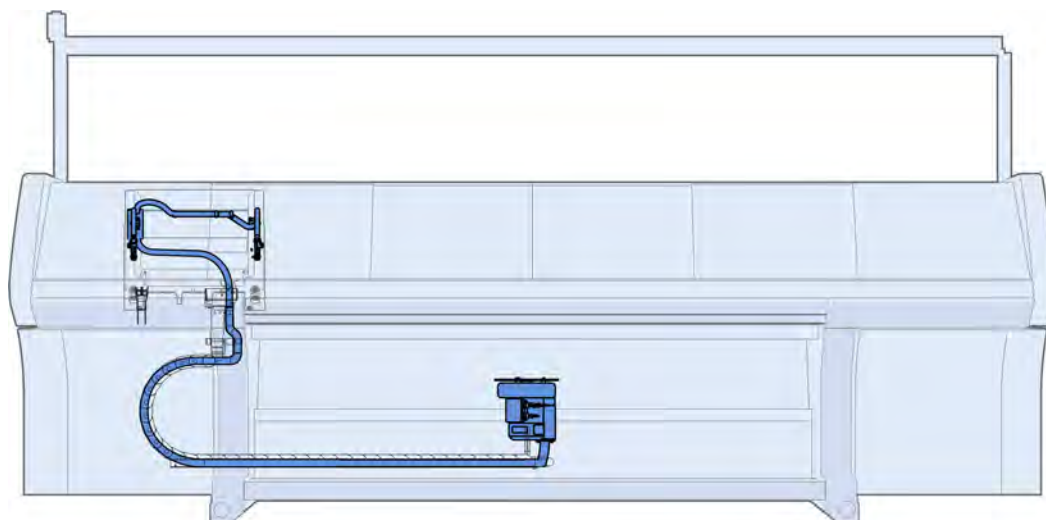


9.8 Right friction feed wheel

Pos	Designation	Id	Pos	Designation	Id
Σ	Friction feed wheel on the right	264 325	13	Bush	221 391
1	Housing	240 368	14	V-ribbed belt pulley	221 268
2	Friction roller complete	231 704	15	Ribbed V-belt V3J 406	206 927
3	Three-phase AC motor complete	219 800	16	Rod	221 319
3a	Microswitch	008 664	18	Cover	230 758
4	Deflector complete 8-fold	250 089	19	Knurled screw	223 361
4a	Support rail	250 055	20	Rod	230 658
4b	Eyelet holder complete	250 077	21	Grounding plate	256 622
540	Spring dowel sleeve 4x16	020 783	500	Screw KB30x8	236 228
541	Hexagon nut M8-8	022 843	501	Screw 20x10	265 445
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	508	Dowel pin3M6x40	023 528
9b	Eyelet	230 662	509	Washer 5,3x22x2,5	023 219
590	Slide bearing	023 627	510	Washer 5	020 901
591	Guide piece	259 453	512	Shim ring 15x21x1	023 216
11	Bracket	221 316	514	Washer 4,3x18x1,5	020 908
12	Cover	251 098	517	Pan-head screw M4x8	023 579

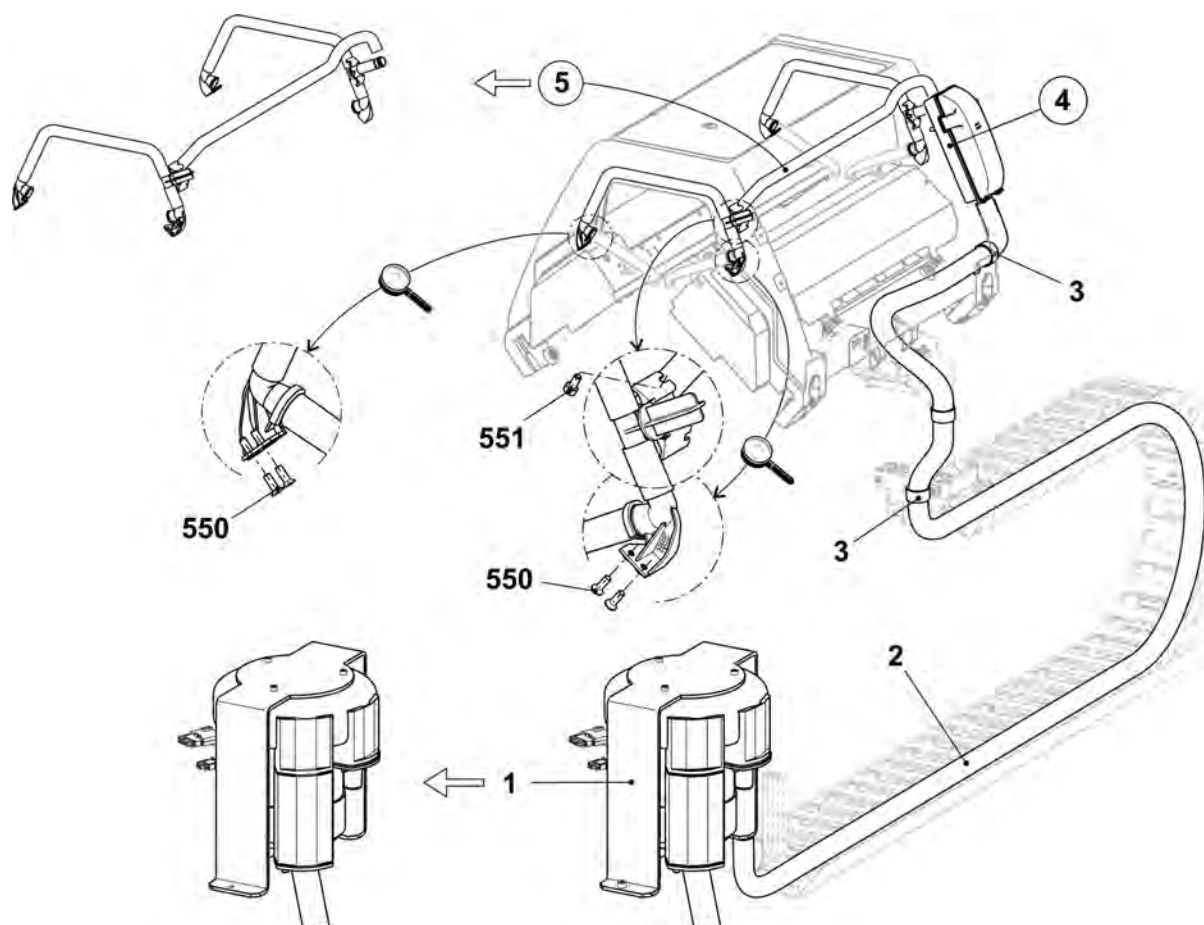


10 Fluff absorption



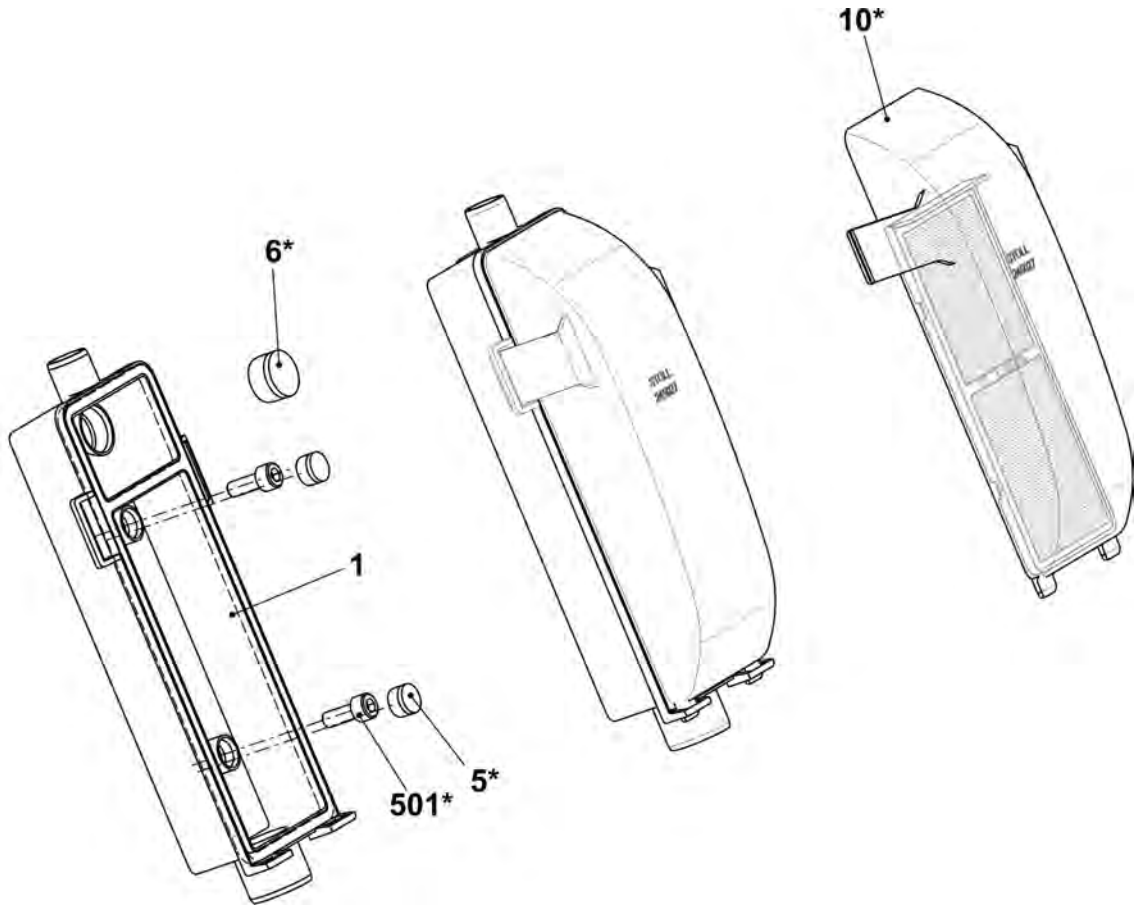
10.1 Fluff absorption

Pos	Designation	ID	Pos	Designation	ID
Σ	Fluff absorption		4	Lint container	245 024
1	Suction fan complete	251 332	5	Set of hose complete 730/830C	251 341
2	Suction hose 29x25x3750	251 336	550	Countersunk head screw M4x8	251 011
3	Hose clip	214 653	551	Cap screw M4x8	022 501



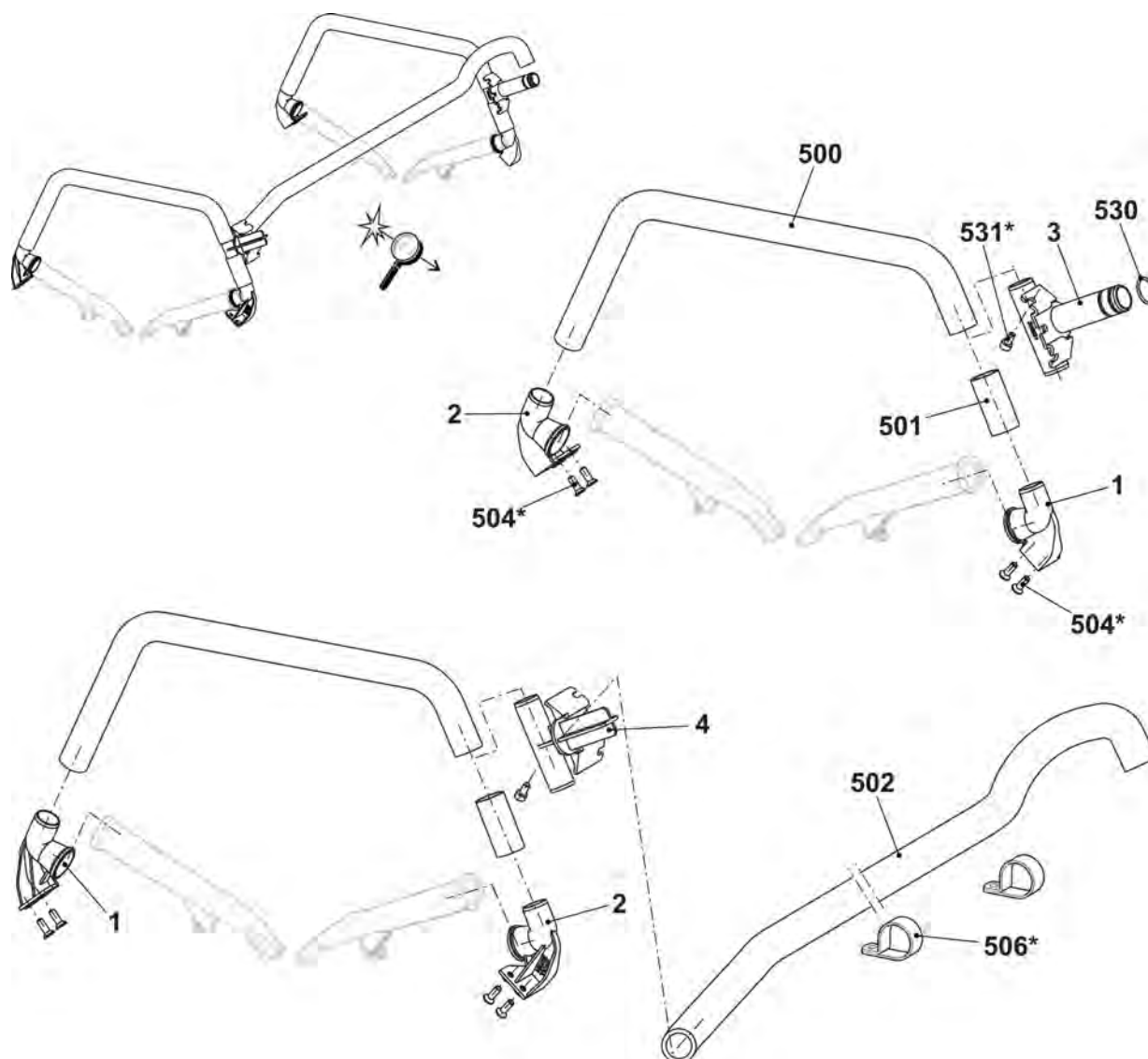
10.2 Lint container

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



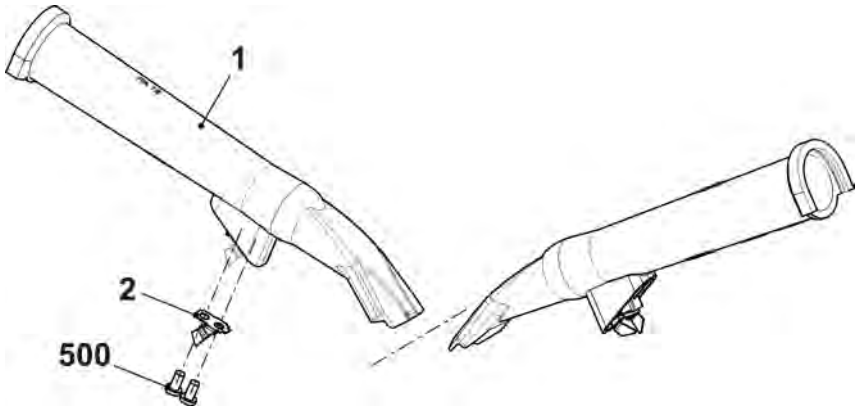
10.3 Set of hose

Pos	Designation	Id	Pos	Designation	Id
Σ	Set of hose complete 740/830C	251 341	4	Connection piece FLENT	245 022
1	Angle connection on the right	250 121	500	Suction hose 20x16x400	244 983
2	Angle connection on the left	251 101	501	Suction hose 20x16x40	251 043
3	T-piece FLENT	245 021	502	Suction hose 20x16x720	251 046
530	O-ring 15x1,5	250 054	504*	Countersunk head screw M4x12	023 062
531*	Cap screw M4x8	022 501	506*	Cable clip	250 051

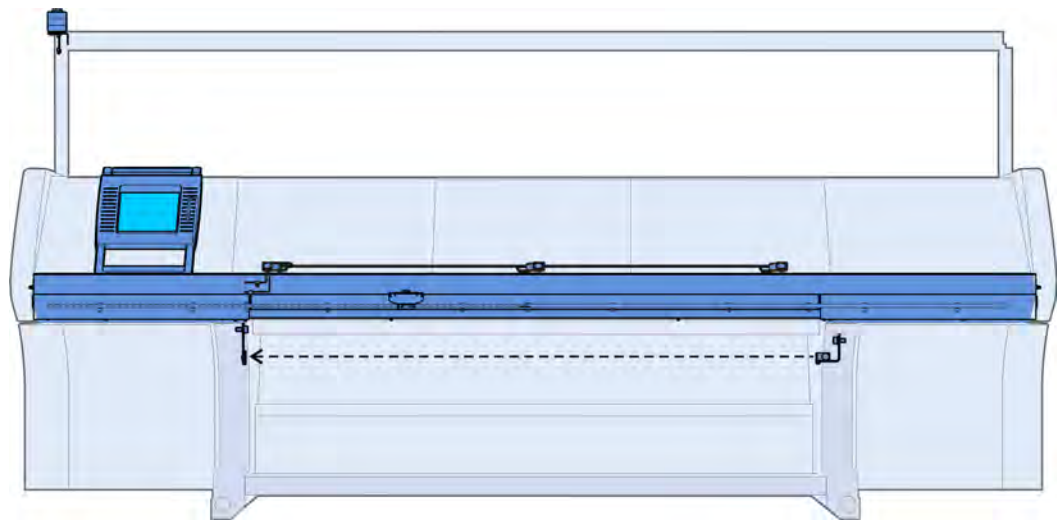


10.4 Suction tube

Pos	Designation	Id	Pos	Designation	Id
Σ	Suction tube complete	251 314			
1	Suction tube	255 606			
2	Bracket	255 628			
500	Screw KB30x6	241 424			

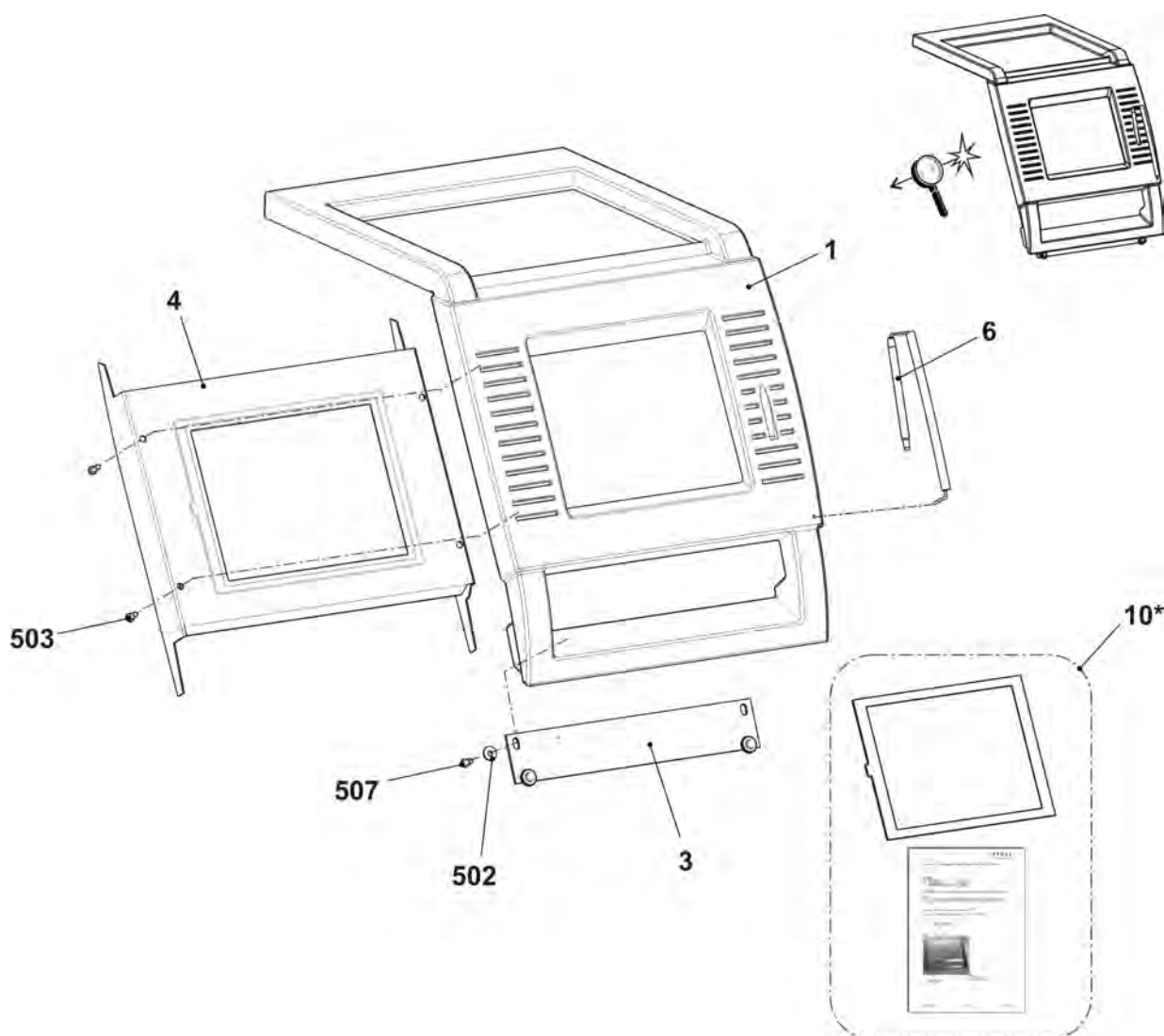


11 Operation and control



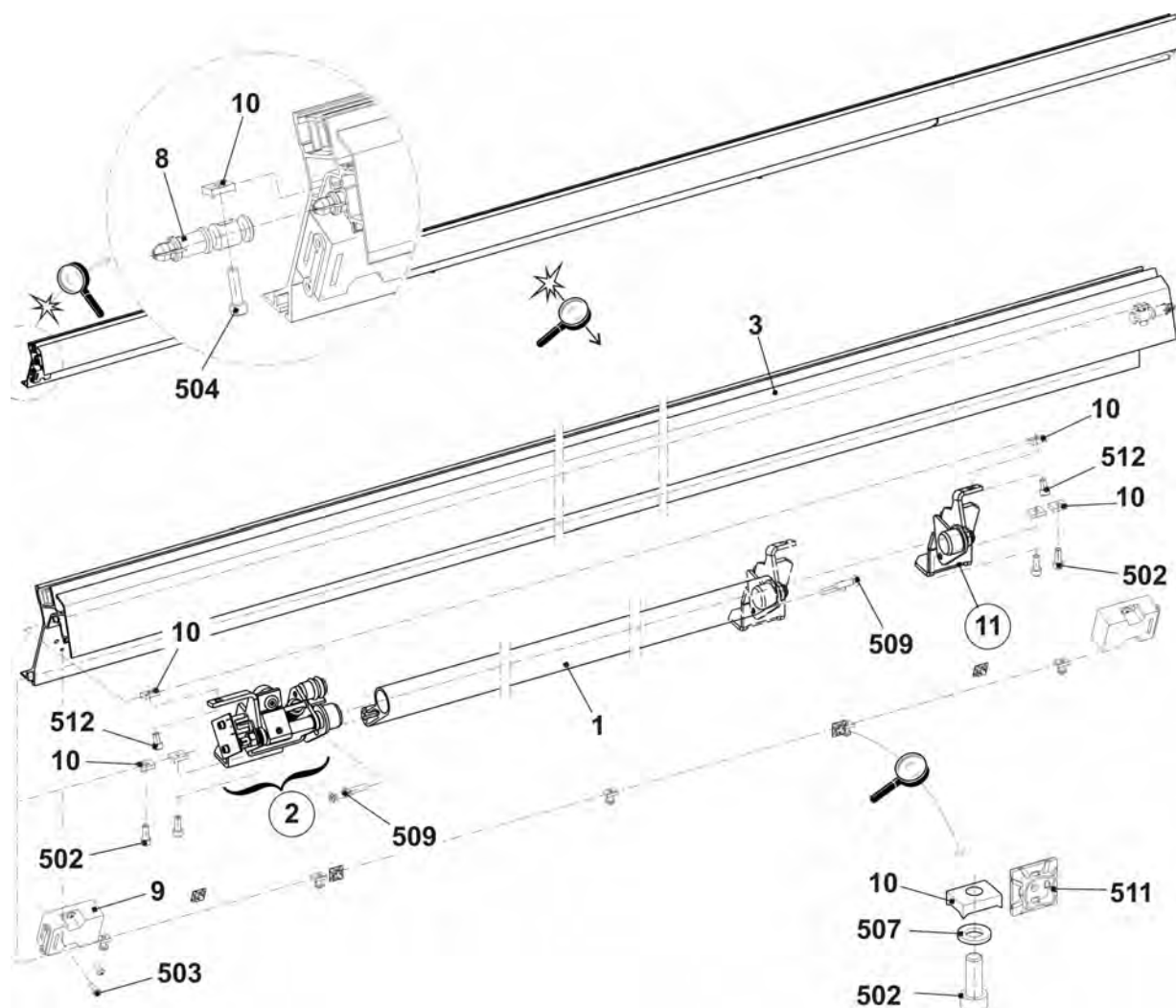
11.1 Input unit

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



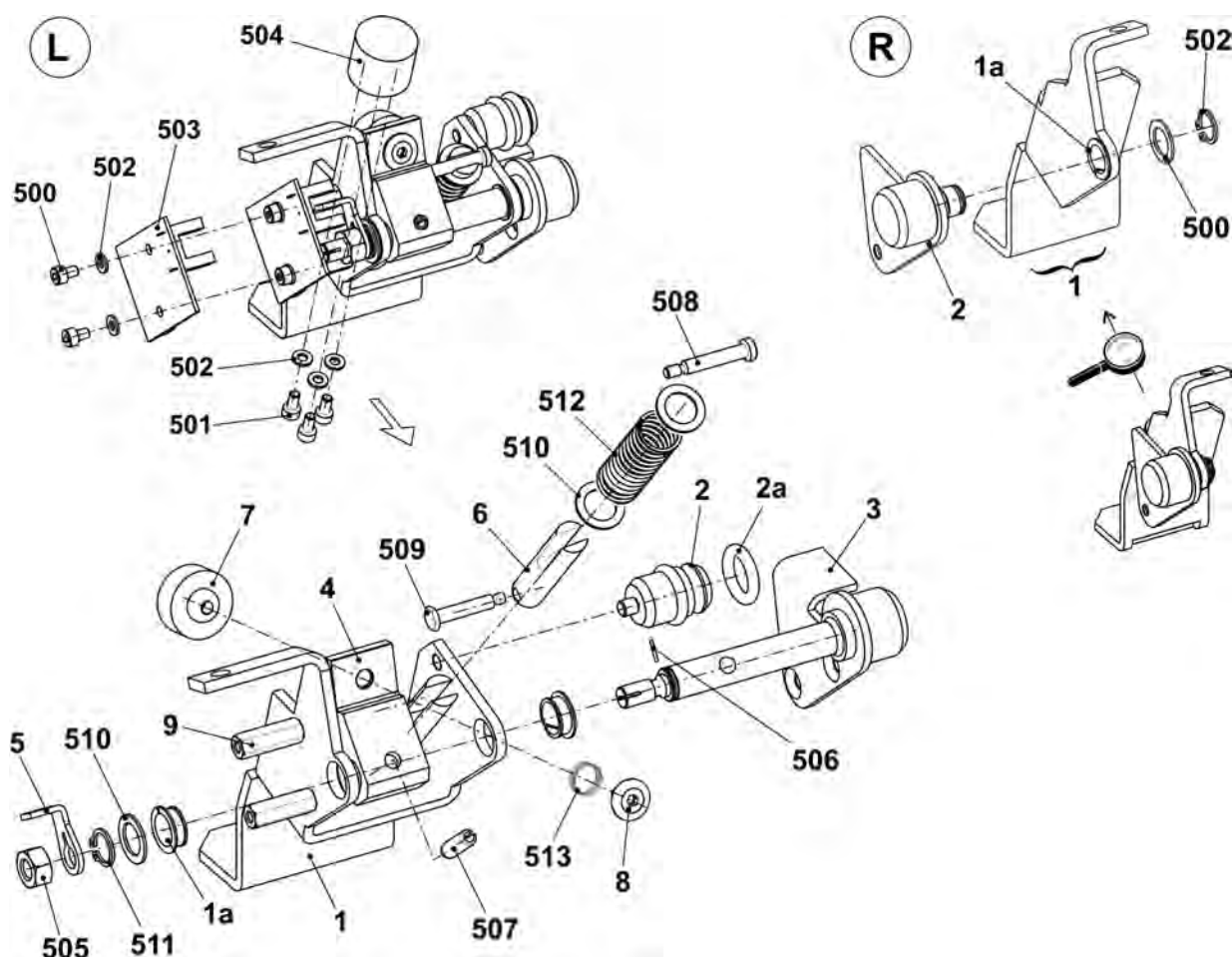
11.2 Starting device

Pos	Designation	ID	Pos	Designation	ID
Σ	Starting device complete	241 039			
1	Engaging rod	241 030	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
8	Locating bolt	219 107	507	Washer	020 872
9	Switch with cable to safety doors	223 350	509	Screw M6x25	023 510
10	Sliding nut (slot nut)	225 099	511	Cable holder	262 037
11	Bearing on the right complete	252 964	512	Cap screw M6x10	023 690



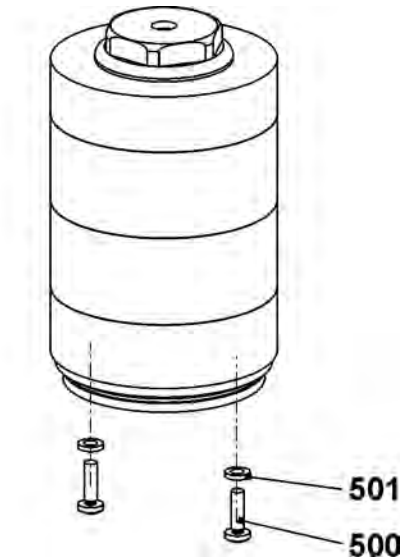
11.2.1 Bearing of the engaging rod

Pos	Designation	Id. no.	Pos	Designation	Id. no.
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 0,5x11x20,21	265 082
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



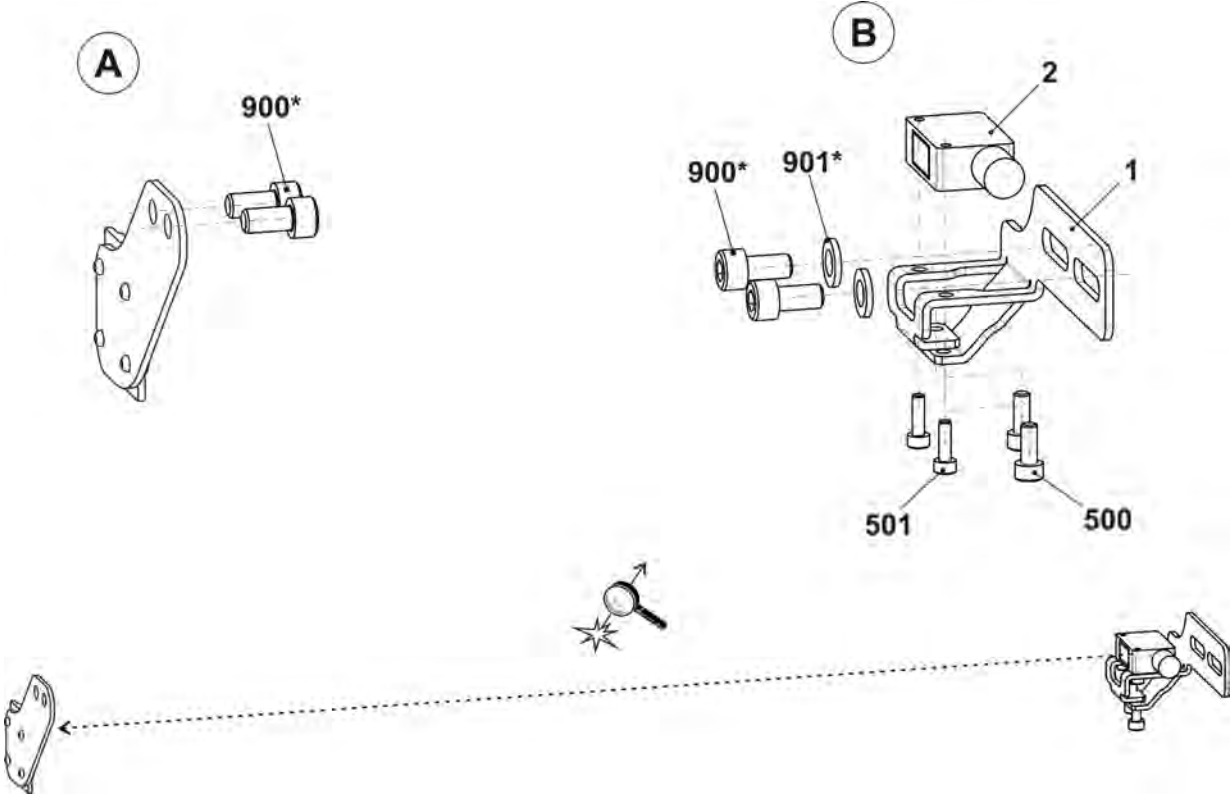
11.3 Signal light

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				



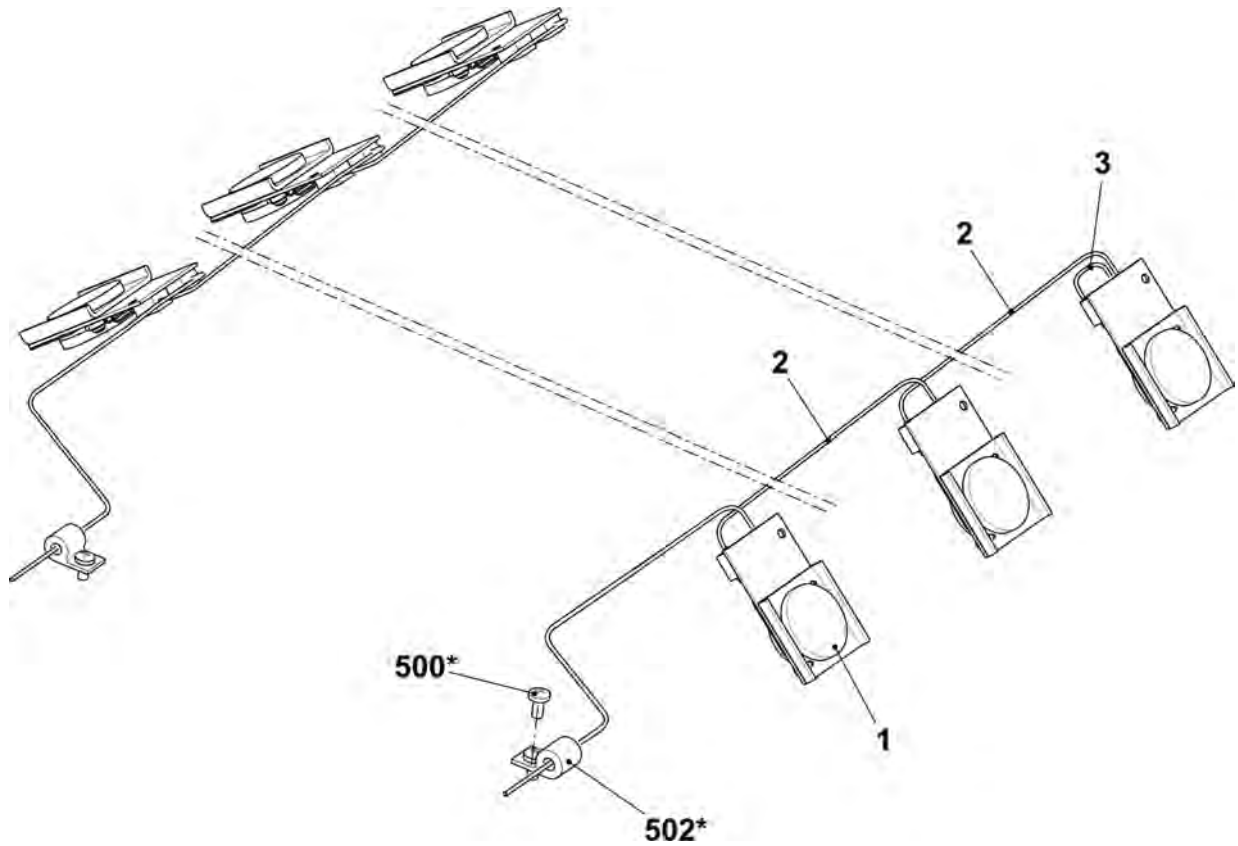
11.4 Control of Collecting Area

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



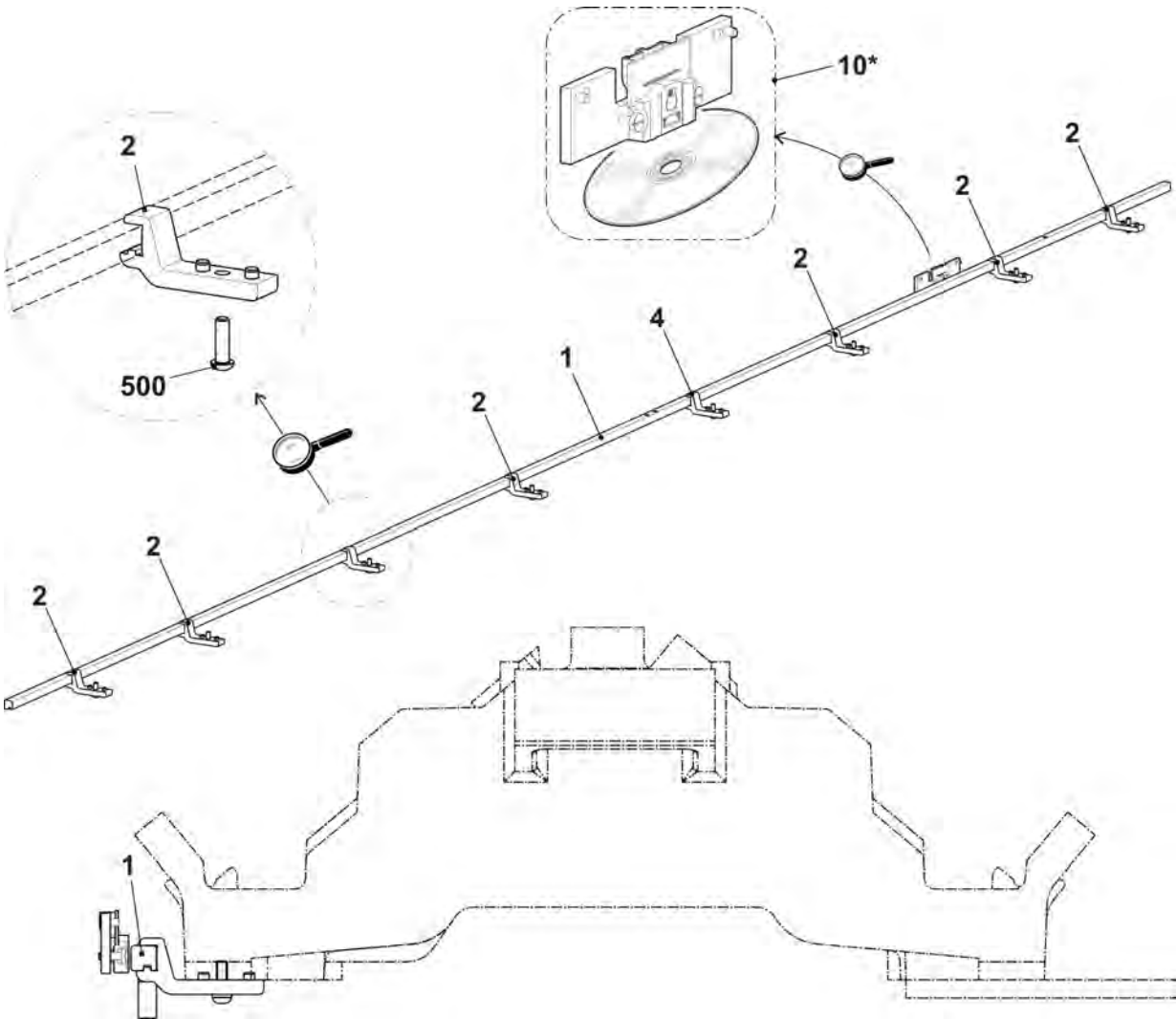
11.5 Shock stop motion

Pos	Designation	ID	Pos	Designation	ID
Σ	Shock stop motion complete	237 280	3	End plug piezo sensor	220 062
1	Shock stop motion (Piezo)	220 011	500*	Pan-head screw M4x8	023 036
2	Cable connection piezo	220 061	502*	Cable clip N-3B 5 mm	210 729

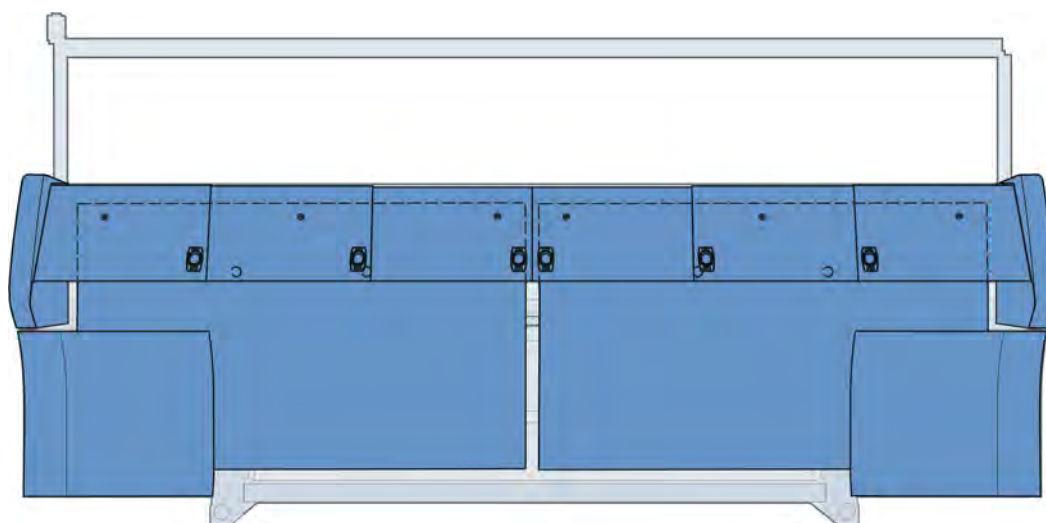


11.6 Measuring device

Pos	Designation	Id	Pos	Designation	Id
Σ	Measuring device		4	Guide	240 672
1	Measuring bar	258 308	10*	Spare parts package impulse sensor GLM OH	266 961
2	Guide	212 210	500	Pan-head screw M6x20	241 603

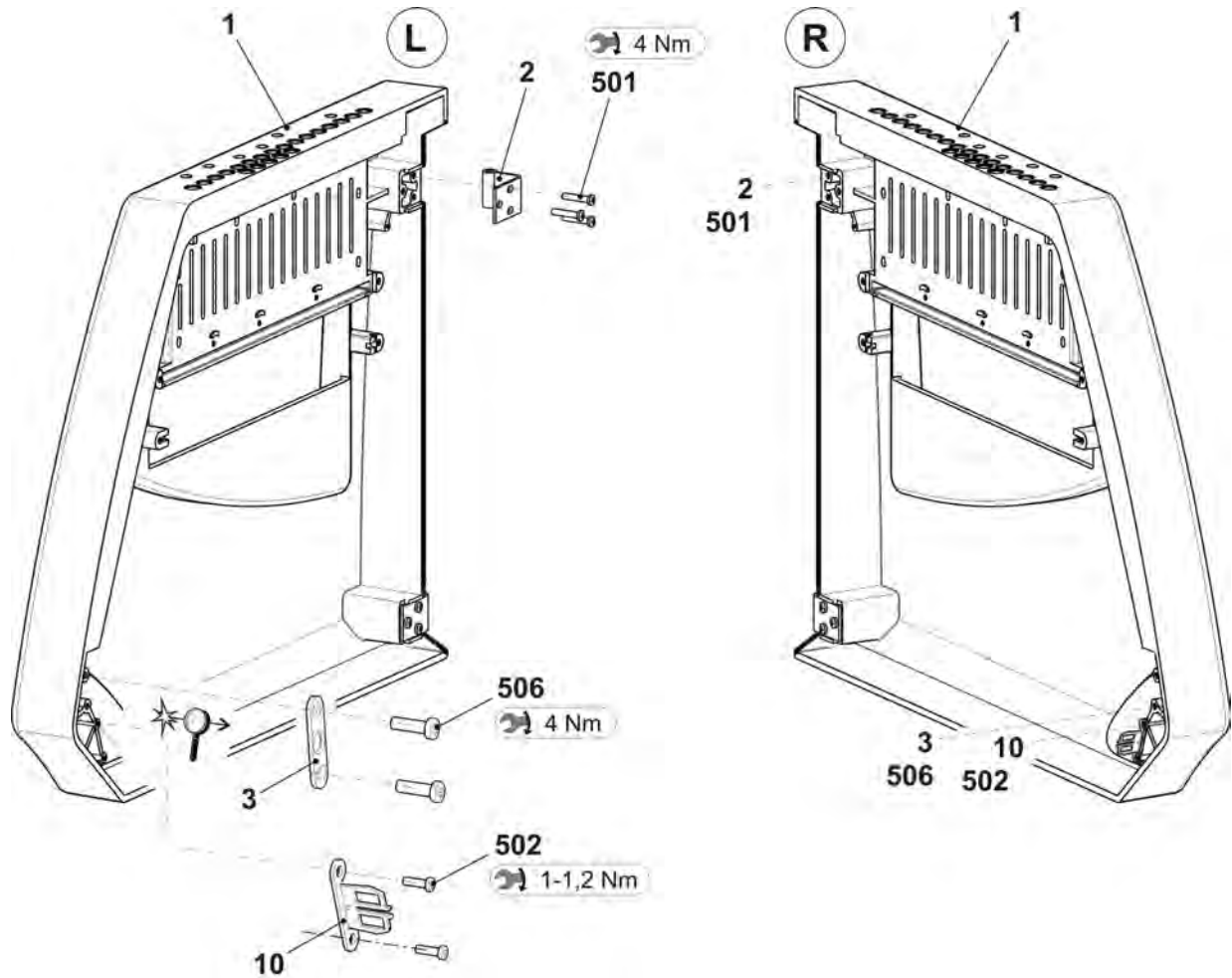


12 Protective devices



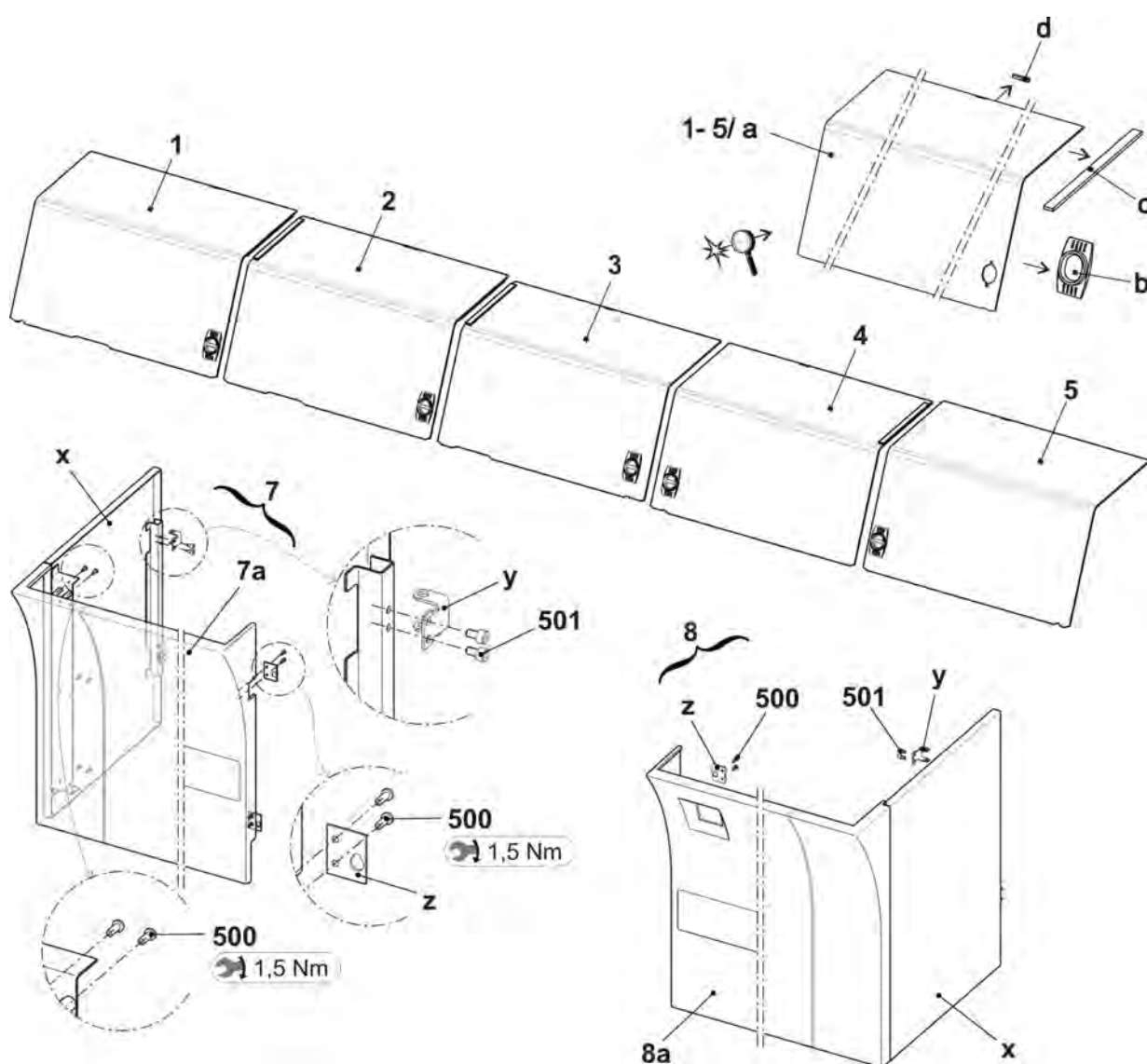
12.1 Lateral safety doors

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety door on the left		Σ	Safety door on the right	
1	Safety door on the left	265 278	1	Safety door on the right	265 279
2	Hinge	263 939	2	Hinge	263 939
4	Locking plate	219 748	4	Locking plate	219 748
10	ActuatorAZ 15/16	255 492	10	ActuatorAZ 15/16	255 492
501	Screw 6x30	265 380	501	Screw 6x30	265 380
502	Screw 4x16	263 995	502	Screw 4x16	263 995
506	Screw 6x20	265 379	506	Screw 6x20	265 379



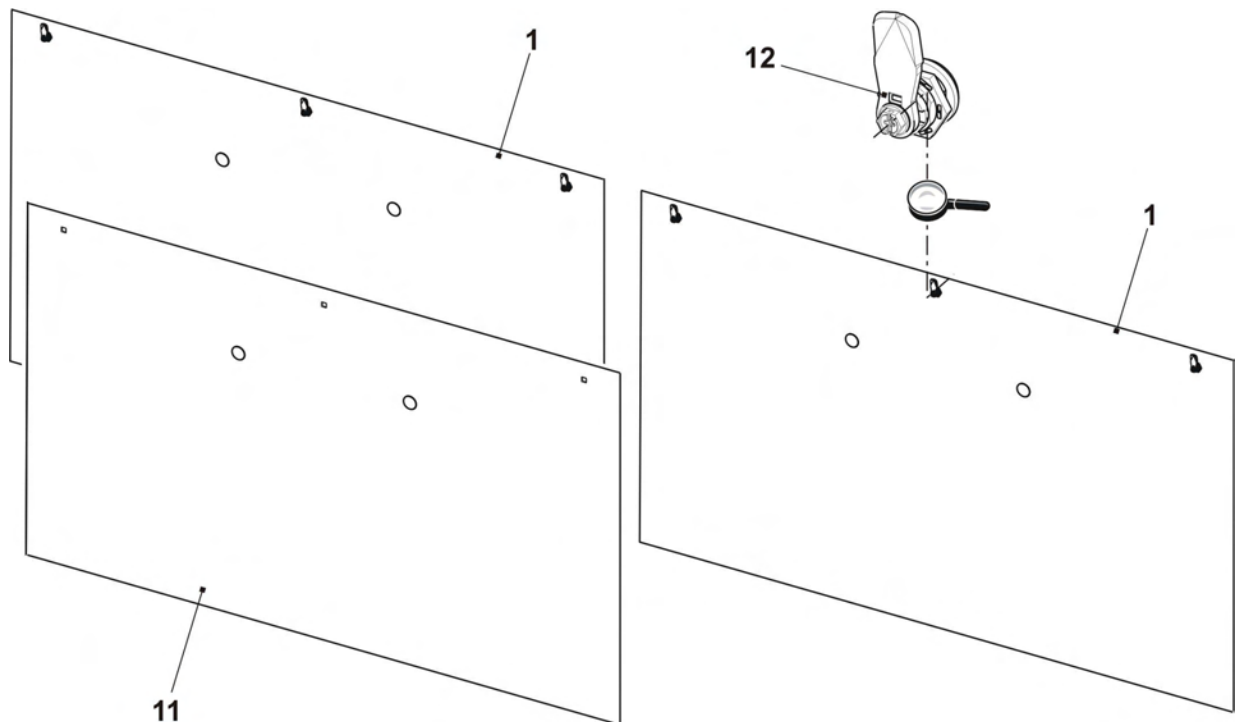
12.2 Panelling

Pos	Designation	Id. no.	Pos	Designation	Id. no.
1	Cover 1 (complete)	257 532	1-5	b Inlet type handle	251 376
	1a Cover	257 527		c Stripper	219 393
2	Cover 2 (complete)	257 533		d Magnet	255 129
	2a Cover 2	257 528	7	Control unit panelling on the left complete	251 237
3	Cover 3 (complete)	257 534	7a	Control unit panelling on the left	251 190
	3a Cover 3	257 529	8	Control unit panelling on the right complete	251 238
4	Cover 4 (complete)	257 535		8a Control unit panelling on the right	251 191
	4a Cover 4	257 530	7-8	x Side part	244 989
5	Cover 5 (complete)	257 536		y Hinge	250 273
	5a Cover 5	257 531		z Bracket	240 412
				500 Screw KB 50x12	240 359
				501 Cap screw M6x16	020 135

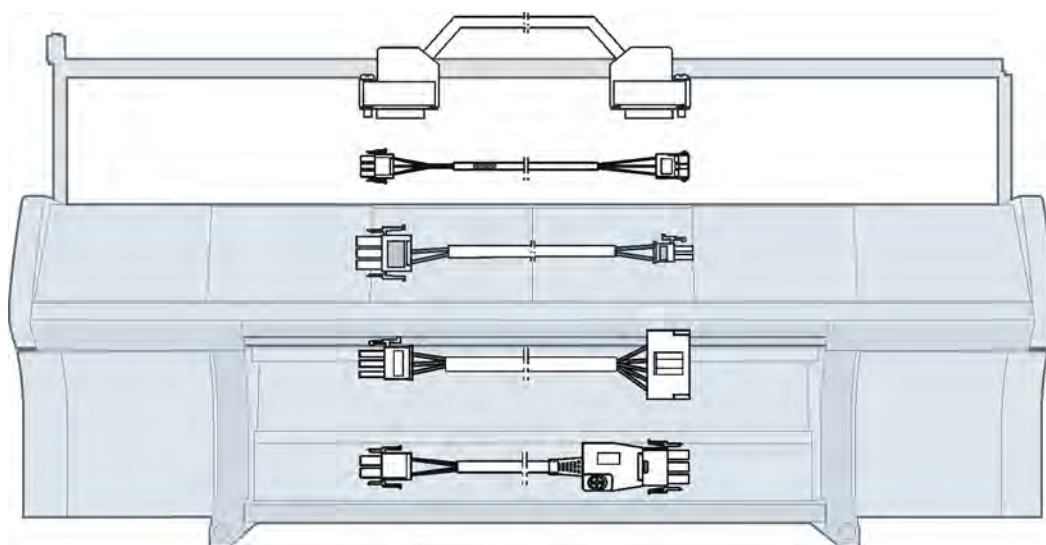


12.3 Rear panel

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



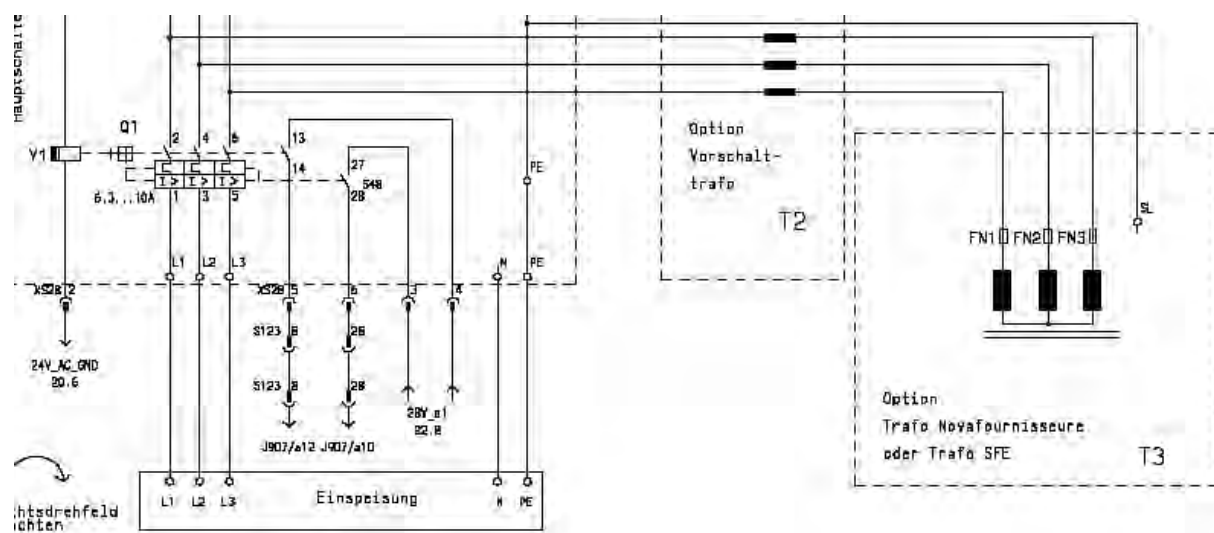
13 Electrical equipment



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

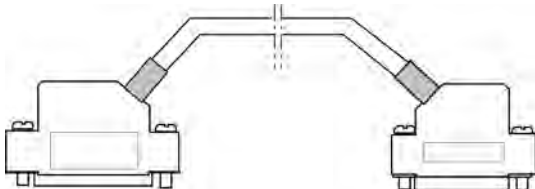
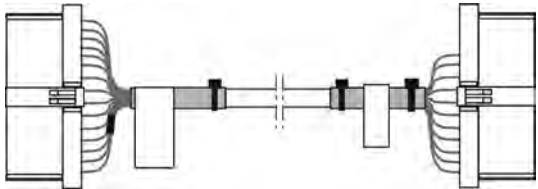
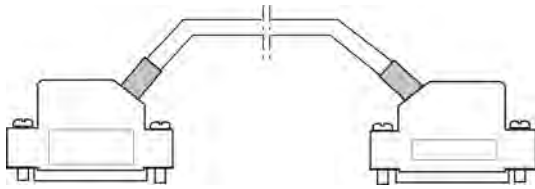
You will find the circuit diagram 221 on the CMS documentation DVD with the ID no.: 257 157



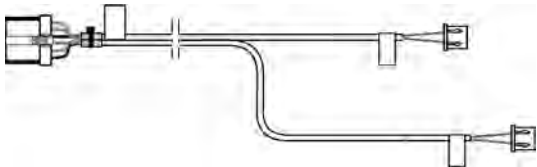
13.2 Fuses

	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

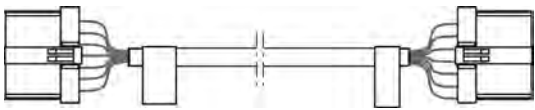
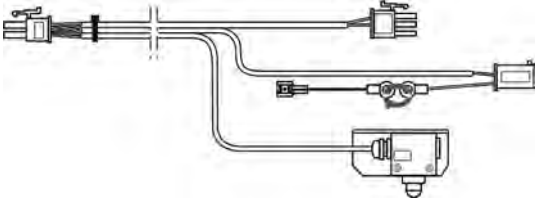
13.3 Trailing cable

Designation	ID	Designation	ID
Trailing cable set 830C OKC 1IMP-2	259 297		
Cable impulse sensor 2 at the rear on the right XL136 822 OKC3	259 369	Cable SM at the rear XL325 830C OKC	244 225
		Cable SM at the front XL327 830C OKC	244 229
			
Cable yarn carrier 830C OKC	244 224	Cable signal at the rear XL326 830C OKC	244 226
		Cable signal at the front XL328 830C OKC	244 230
			
Cable holding-down jack control 830C OKC	244 231		
			

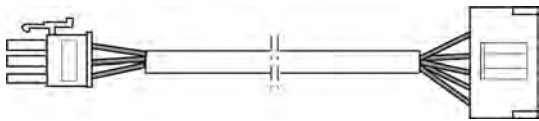
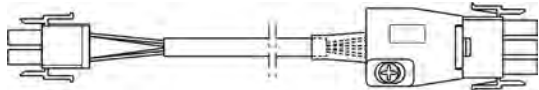
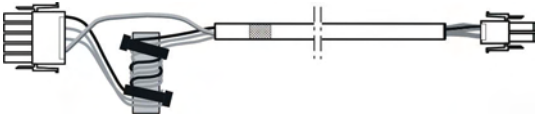
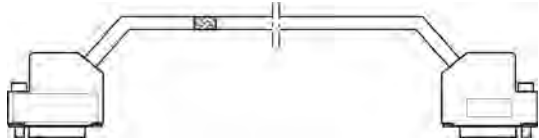
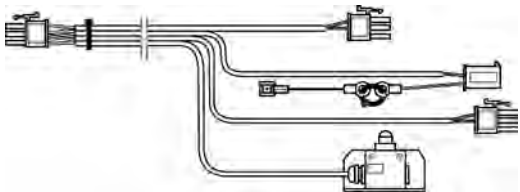
13.4 Cable set installation

Designation		ID	Designation		ID
Σ	Cable set installation 8XX OKC	242 224			
1	Loom of cables base 1 OKC	240 256	4	Loom of cables comb OKC	240 259
2	Loom of cables base 2OKC	240 257	8	Cable Piezo needle bed OKC	240 518
3	Loom of cables 84" OKC	242 225			

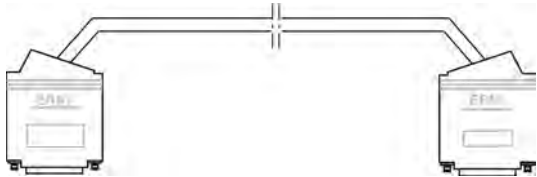
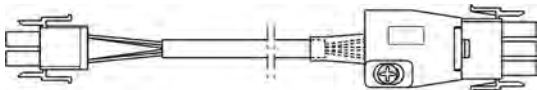
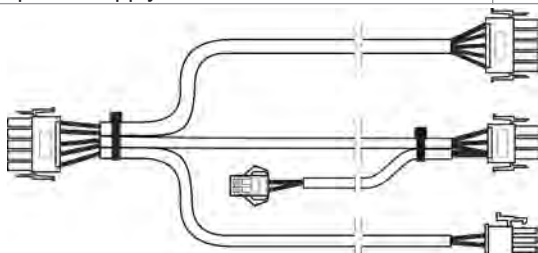
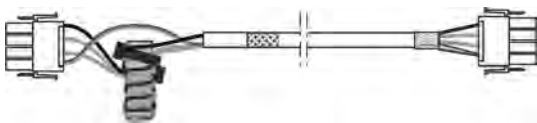
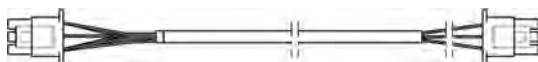
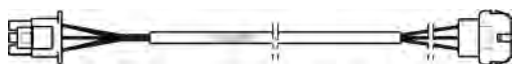
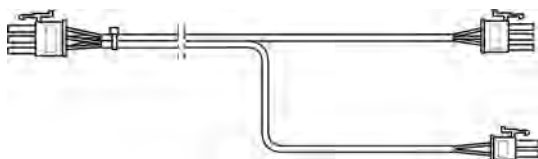
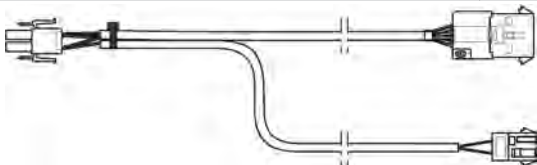
13.4.1 Loom of cables base 1

Designation	ID	Designation	ID
Loom of cables base 1 OKC	240 256		
Cable Engaging rod OKC 3XX	240 289	Cable supply FKE lamp OKC	240 290
			
Cable protective device on the left OKC	253 442		
			

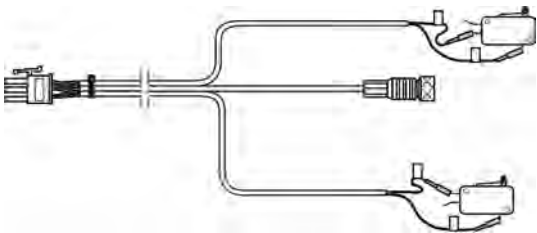
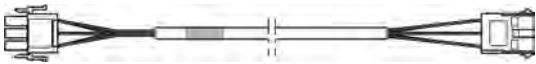
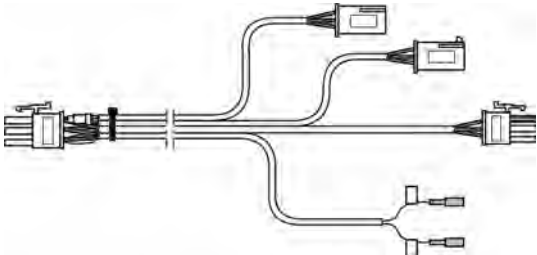
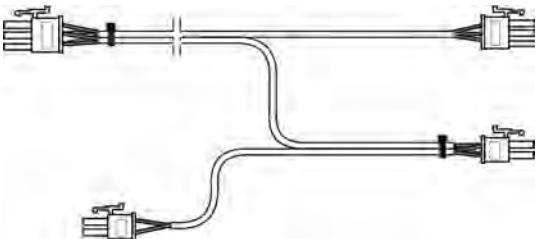
13.4.2 Loom of cables base 2

Designation	ID	Designation	ID
Loom of cables base 2OKC	240 257		
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		
			

13.4.3 Loom of cables 84"

Designation	ID	Designation	ID
Loom of cables 84" OKC	242 225		
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	240 505
			
Cable switch HAOS 84" OKC	242 229	Cable motor HAABOEF/S 84" OKC	242 228
			
Cable motor HIAB Anpress OKC	240 592	Cable switch HIAB Anpr. OKC	240 593
			
Cable power supply FLENT 84" OKC	251 243		
			

13.4.4 Loom of cables COMB

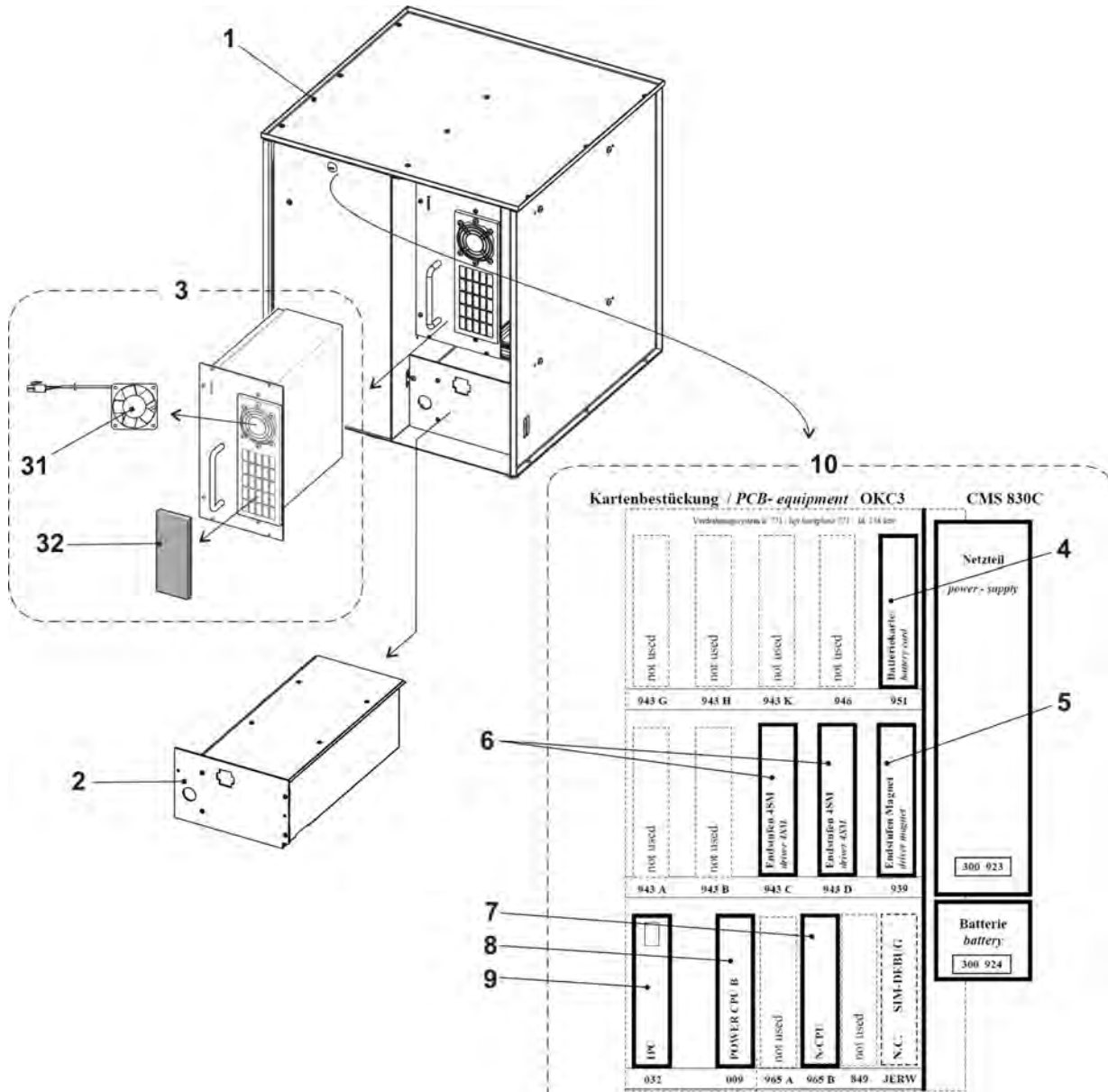
Designation	Id	Designation	Id
Loom of cables COMBOKC	240 259		
Cable motor comb hookOKC	240 308	Cable switch KAHA OKC	240 309
			
Cable motor combOKC	240 310	Cable switch comb OKC	240 311
			
Cable switch HAAB OKC	240 312		
			

14 Control electronics



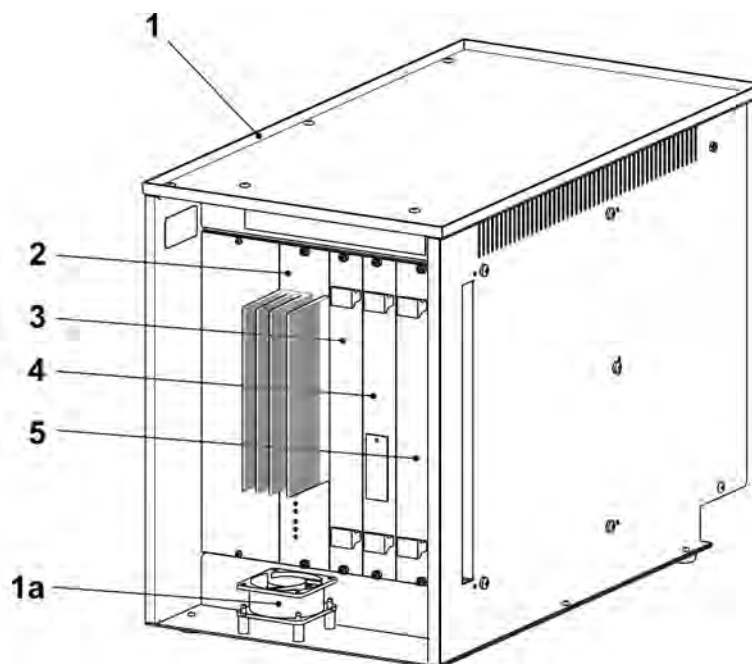
14.1 Left control cabinet

Pos	Designation	ID	Pos	Designation	ID
Σ	Control unit on the left complete	830C OKC3 255 954			
1	Control unit on the left without any equipment	254 868	5	Card YC final stages short circuit proof	300 939
2	Battery plug-in unit	300 924	6	Card final stages 4SM 7TE	300 943
3	Power supply unit CG54	300 923	7	Card N-CPU 432	300 965
31	Fan power supply unit	239 305	8	Card Power CPU1	301 009
32	Filter pad CG54	239 350	9	Card IPC P9X S 01	264 480
4	Card battery OKC	300 951	10	Adhesive label of card equipment	255 955

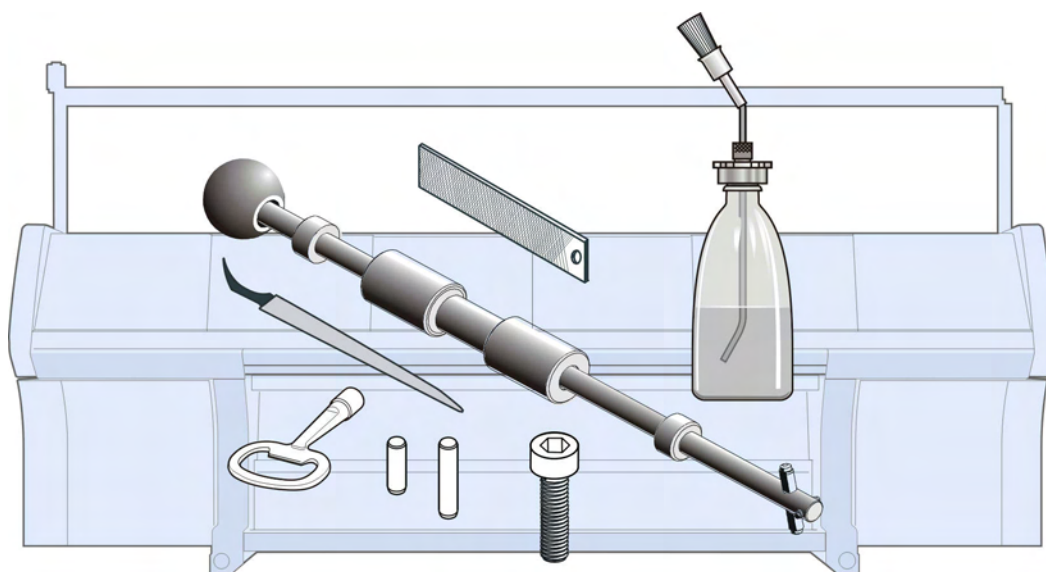


14.2 Right control cabinet

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



15 Deliverable accessories



You can order the following tools, lubricants and expendables.

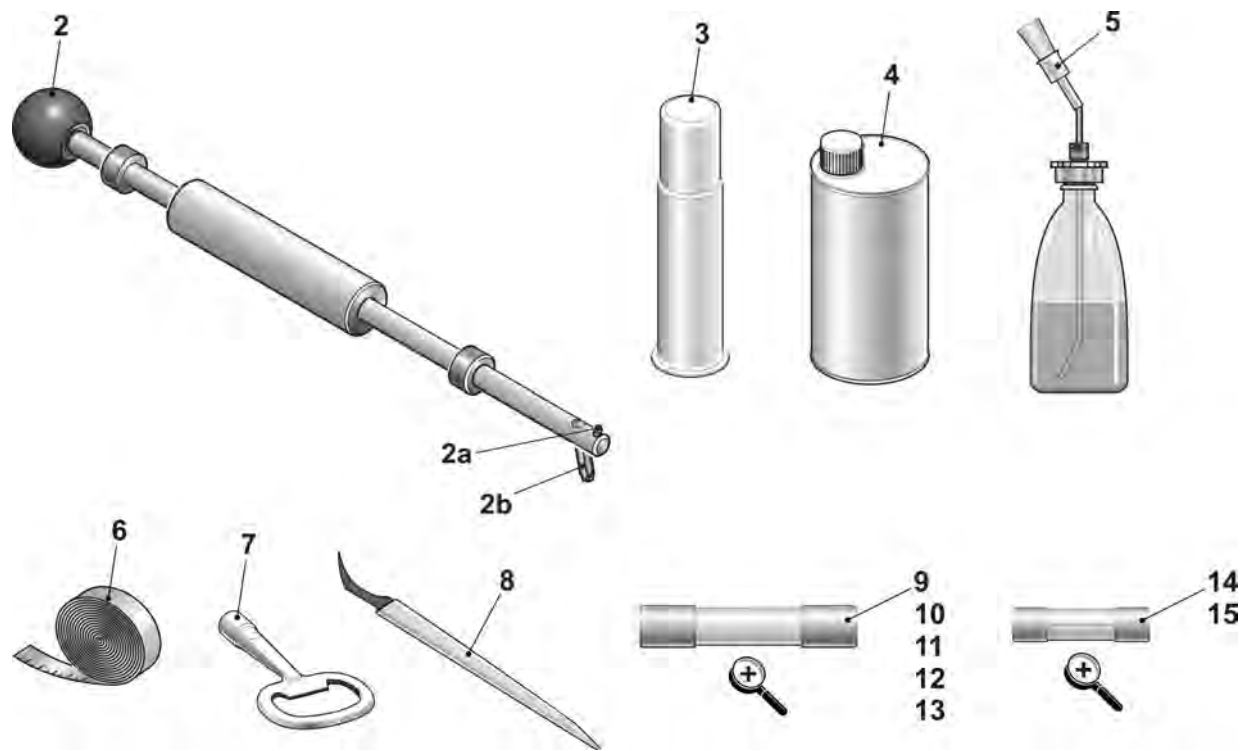
The following list does not correspond to the scope of delivery of the knitting machine.

15.1 Fuses

	Designation	ID
	Micro fuse F1,0 A	008 748
	Fuse 3,15 A T/440V 6,3x3,2Fuse	025 261
	Fuse 10 A T/440V 6,3x3,2Fuse	025 258
	Fuse 2,5 A T/440V 6,3x3,2Fuse	217 465
	Fuse 1,6 A T/440V 6,3x3,2Fuse	236 229
	Fuse 6,3 A T/440V 6,3x3,2Fuse	026 809
	Fuse 8 A T/440V 6,3x3,2Fuse	241 866
	Fuse 12,5 A TT 6,3x3,2Fuse	232 367

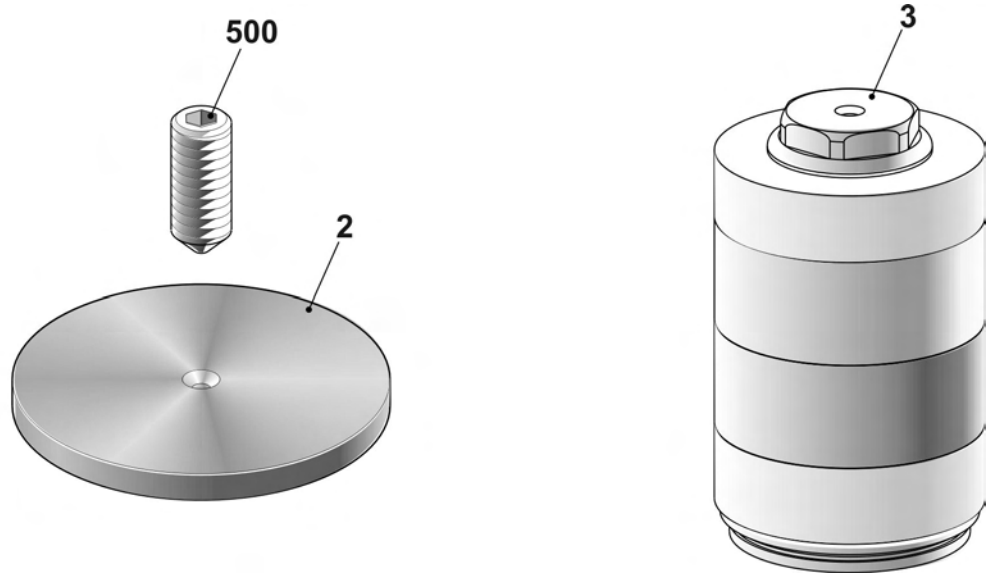
15.2 Accessories part 1

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories standard part 1	265 182			
2	Extraction hook	232 027	8	Working hook	227 249
2a	Small pin	202 843	9	Fuse 3,15A T/440V 6,3x32	025 261
2b	Pin	232 022	10	Fuse 6,3A T/440V 6,3x32	026 809
3	Grease OKS 475, 150g	005 351	11	Fuse 10A T/440V 6,3x32Fuse	025 258
4	Silvertex T 46, 1l	230 614	12	Fuse 2,5A T/440V 6,3x32	217 465
5	Oil combifix	216 732	13	Fuse 1A T/440V 6,3x32	209 321
6	Measuring tape L=150cm	228 180	14	Fuse 1,6A T 5x20	008 715
7	Key of switch cabinet	009 346	15	Micro fuse F1,0A	008 748

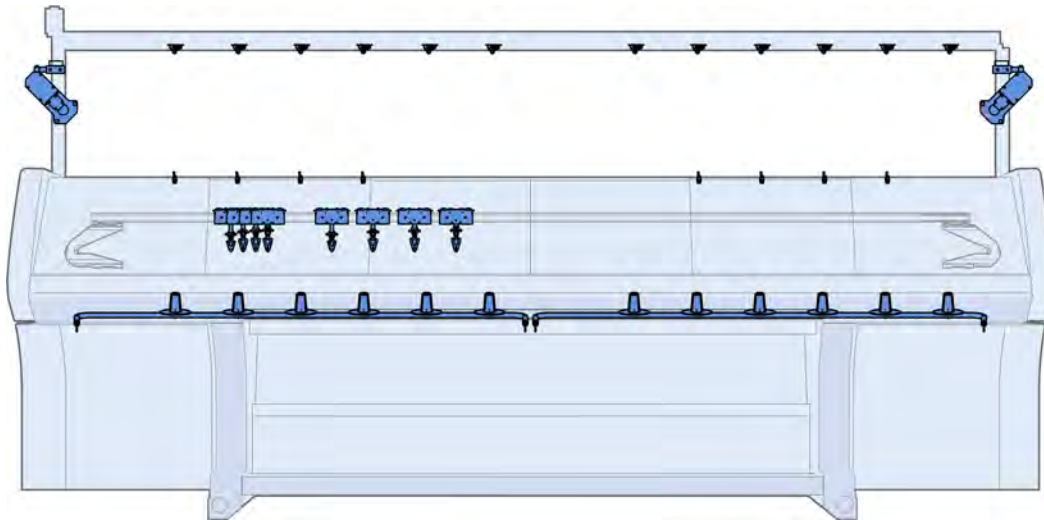


15.3 Accessories part 2

Pos	Designation	Id	Pos	Designation	Id
Σ	Accessories standard part 2	265 182	3	Signal lightLED	240 395
2	Shim	056 569	500	Setscrew M16x40	244 061

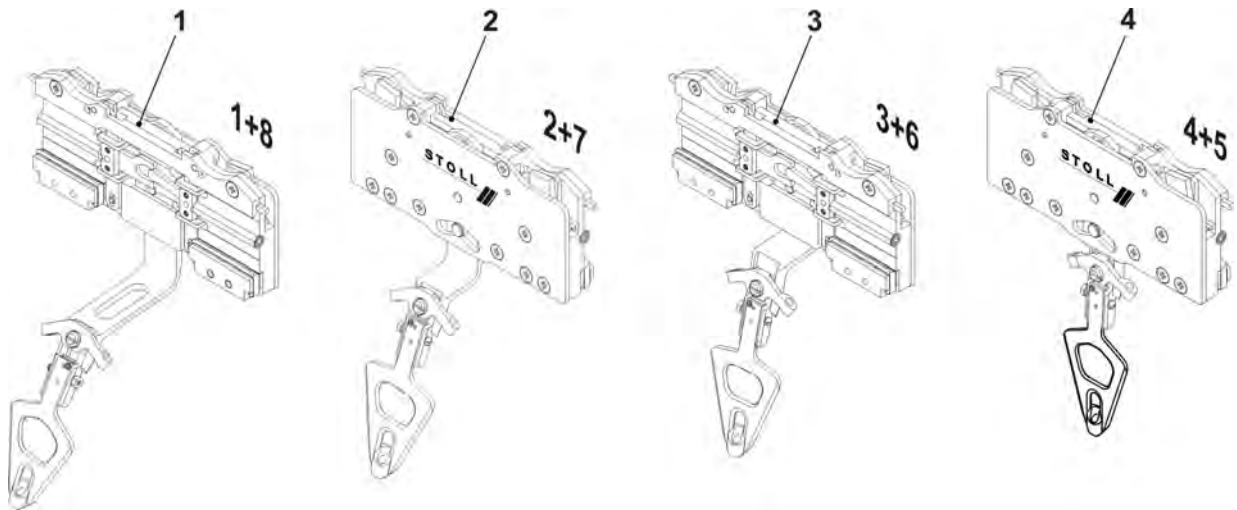


16 Special attachments



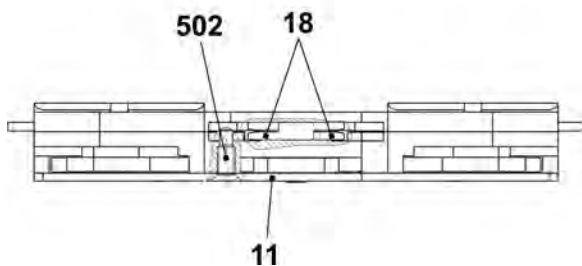
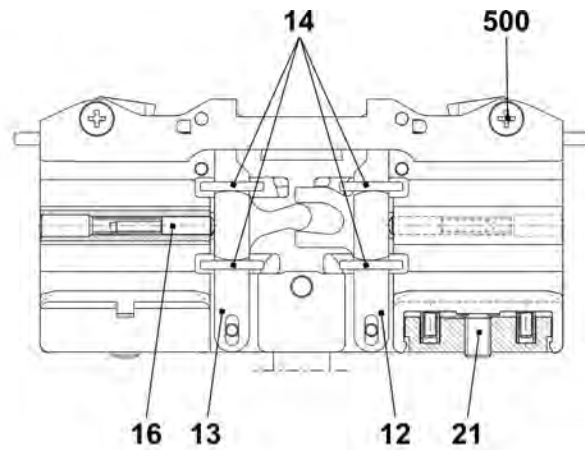
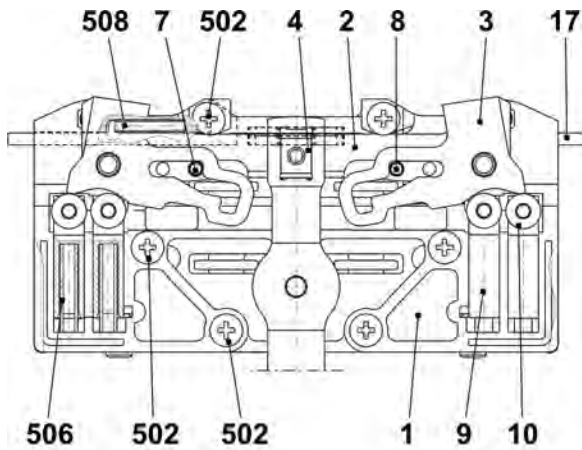
16.1 Complete intarsia yarn carriers

Pos	Designation	ID	Pos	Designation	ID
1	IFF carriage 1+8 complete	213 773	3	IFF carriage 3+6 complete	213 775
2	IFF carriage 2+7 complete	213 774	4	IFF carriage 4+5 complete	213 776



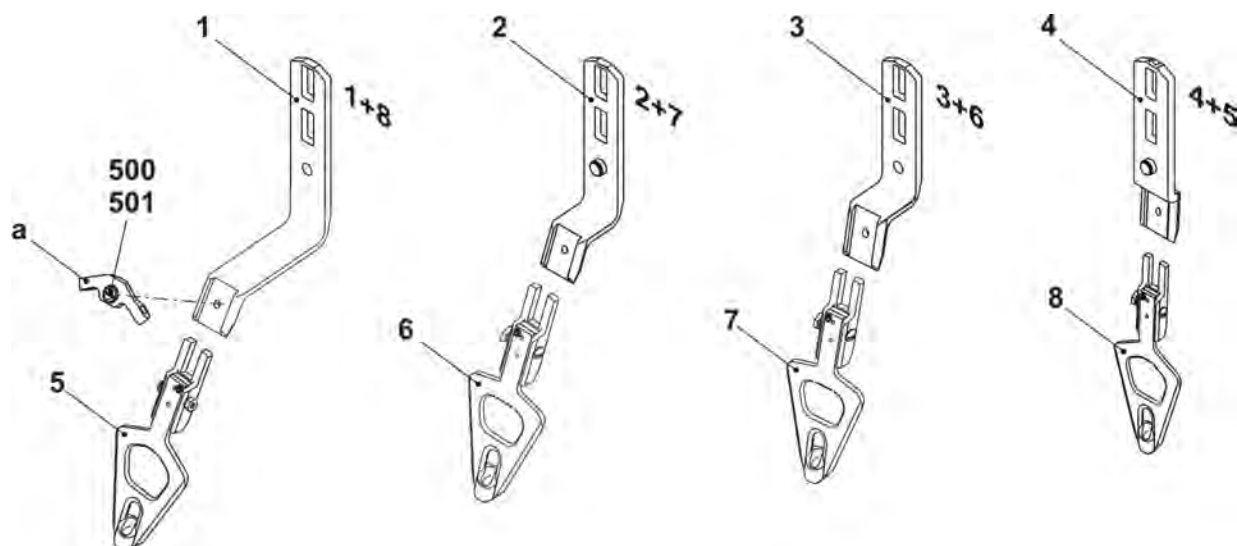
16.1.1 Carriage IFF

Pos	Designation	ID	Pos	Designation	ID
Σ	IFF carriage 1+8 complete	213 773			
	IFF carriage 2+7 complete	213 774	11	Cover	213 392
	IFF carriage 3+6 complete	213 775	12	Clamping lever on the right	216 100
	IFF carriage 4+5 complete	213 776	13	Clamping lever on the left	216 101
1	Basic plate complete	213 408	14	Pressure plate 2,04	201 654
2	Slider	217 188		Pressure plate 2,06	208 924
3	Locking bar	212 508	16	Spring pin	201 677
4	Sliding block	213 807	17	Lifter	212 547
7	Locating pin 3,3 (2+7/3+6)	212 504	18	Sliding part	213 391
	Locating pin 3,4 (1+8/2+7/3+6/4+5)	212 505	21	Threaded bolt	213 399
8	Locating pin 3,3 (2+7/3+6/4+5)	212 504	500	Countersunk head screw M4x6	022 994
	Locating pin 3,4 (2+7/3+6/4+5)	212 505	502	Countersunk head screw M4x12,5	022 979
	Locating pin 3,5 (1+8)	212 506	506	Compression spring 4,0x0,7x25	022 969
9	Thrust piece	212 773	508	Compression spring 2,8x0,35x19	023 394
10	Pressure roller	212 774			



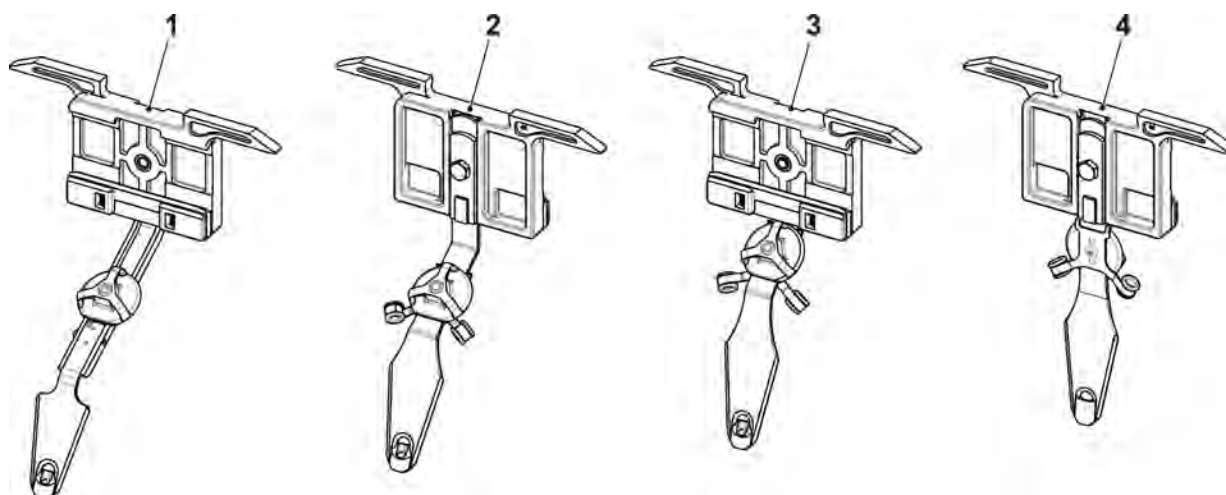
16.1.2 Bow and head IFF

Pos	Designation	ID	Pos	Designation	ID
Σ	IFF carriage 1+8 complete	213 773			
	IFF carriage 2+7 complete	213 774	5	YC head 1+8 complete	216 352
	IFF carriage 3+6 complete	213 775	6	YC head 2+7 complete	216 353
	IFF carriage 4+5 complete	213 776	7	YC head 3+6 complete	216 354
1	FF bow 1+8 complete	213 768	8	YC head 4+5 complete	216 355
2	FF bow 2+7 complete	213 769	a	Yarn guide angle	201 672
3	FF bow 3+6 complete	213 770	500	Cap screw M4x8	022 977
4	FF bow 4+5 complete	213 771	501	CirclipS4-FST	022 774



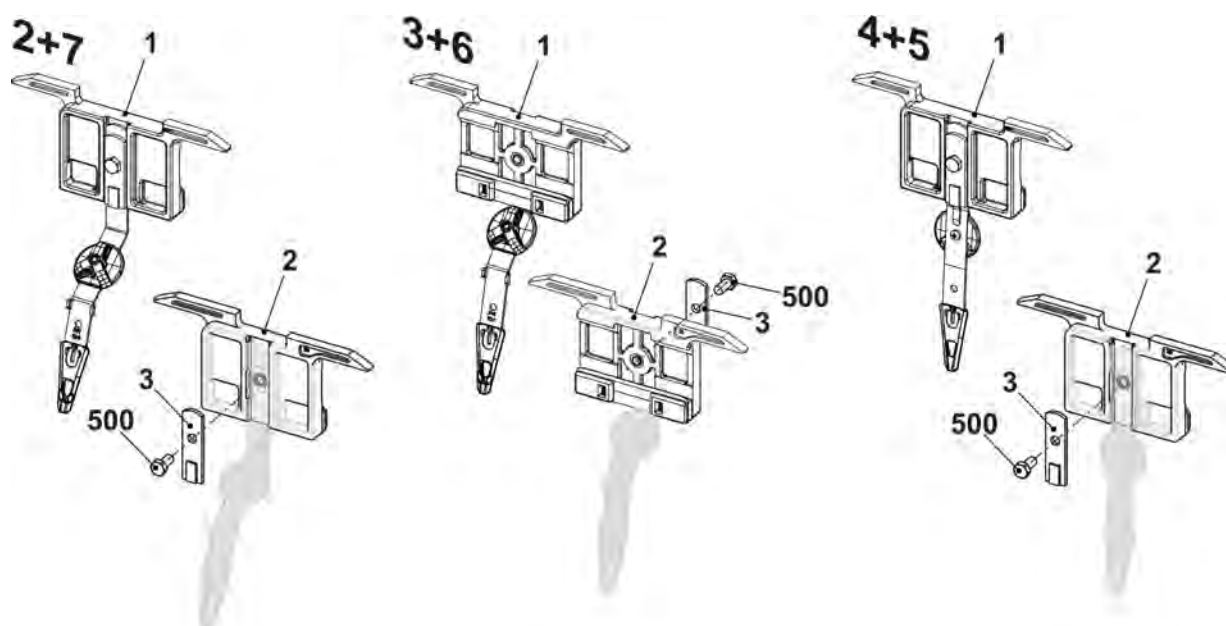
16.2 Complete yarn carriers

Pos	Designation	Track	ID	Pos	Designation	Track	ID
1	FF carriage 1+8 complete E3-4	1+8	217 486	3	FF carriage 3+6 complete E3-4	3+6	262 387
2	FF carriage 2+7 complete E3-4	2+7	262 386	4	FF carriage 4+5 complete E3-4	4+5	262 388



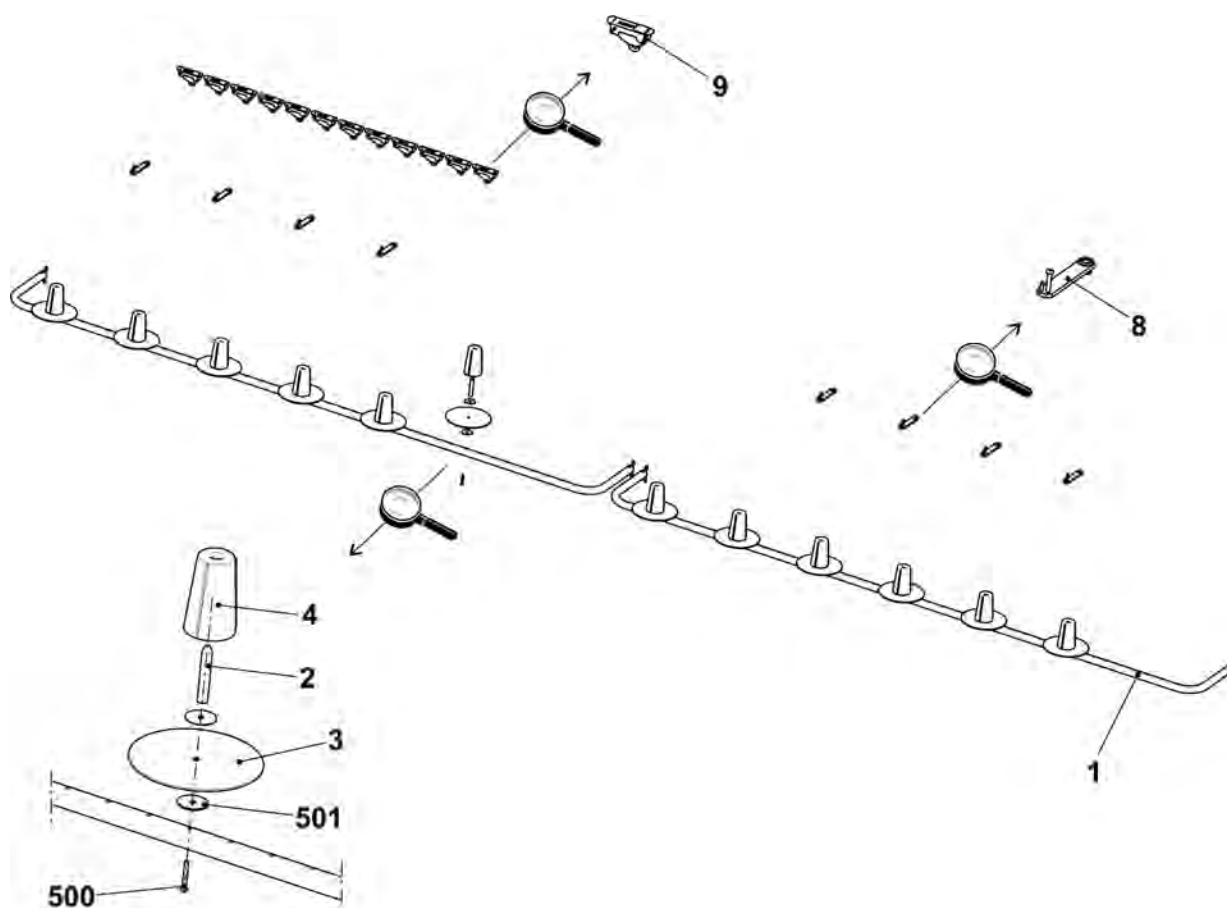
16.3 Carriage of plating yarn carrier

Pos	Designation	ID	Pos	Designation	ID
$\Sigma 2+7$	Carriage set of plating YC2+7	258 600	$\Sigma 2+7$	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
$\Sigma 3+6$	Carriage set of plating YC3+6	258 601	$\Sigma 3+6$	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
$\Sigma 4+5$	Carriage set of plating YC4+5	258 602	$\Sigma 4+5$	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



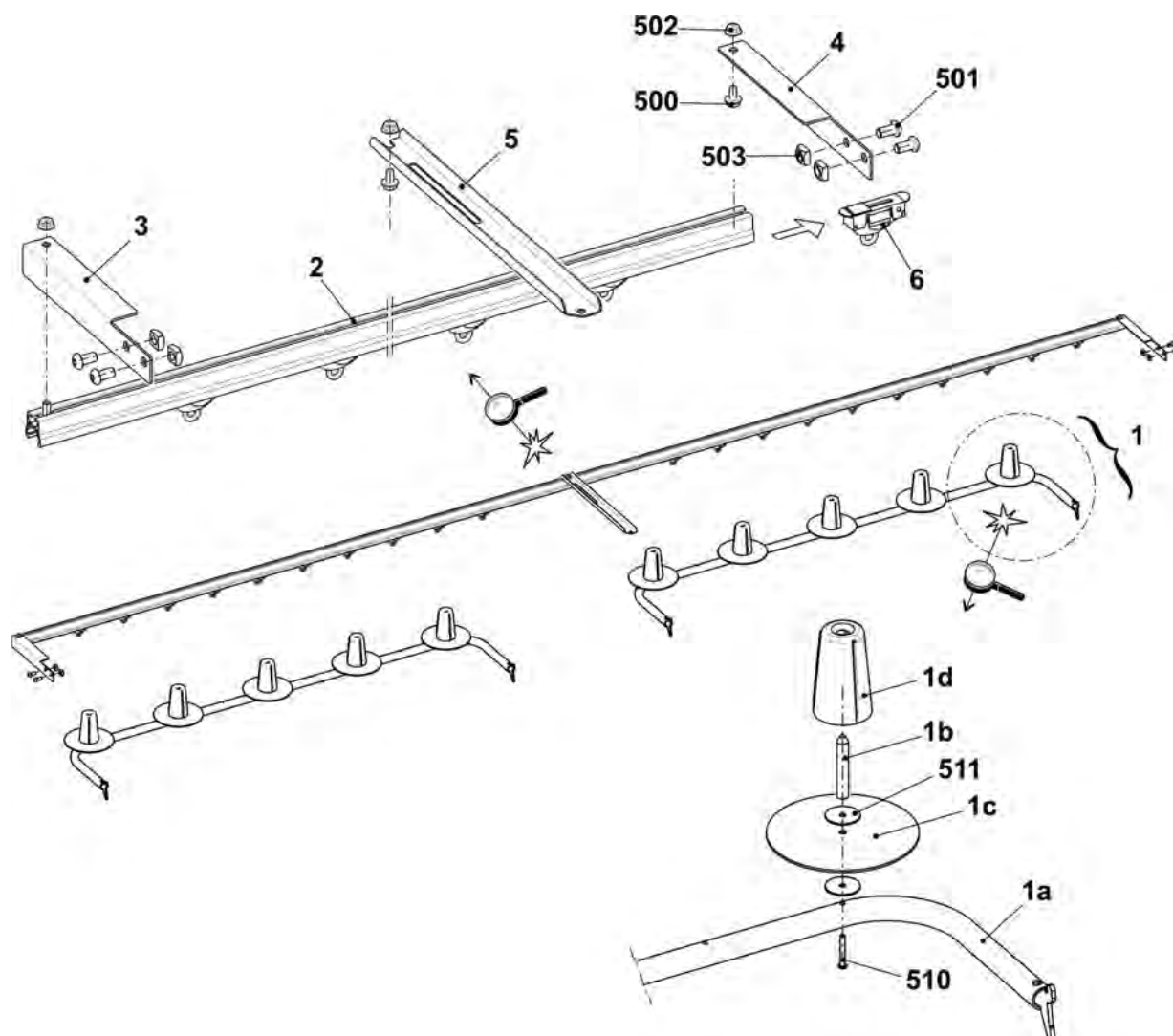
16.4 Additional board at the bottom

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	Washer 5,3x30x1,25	023 556



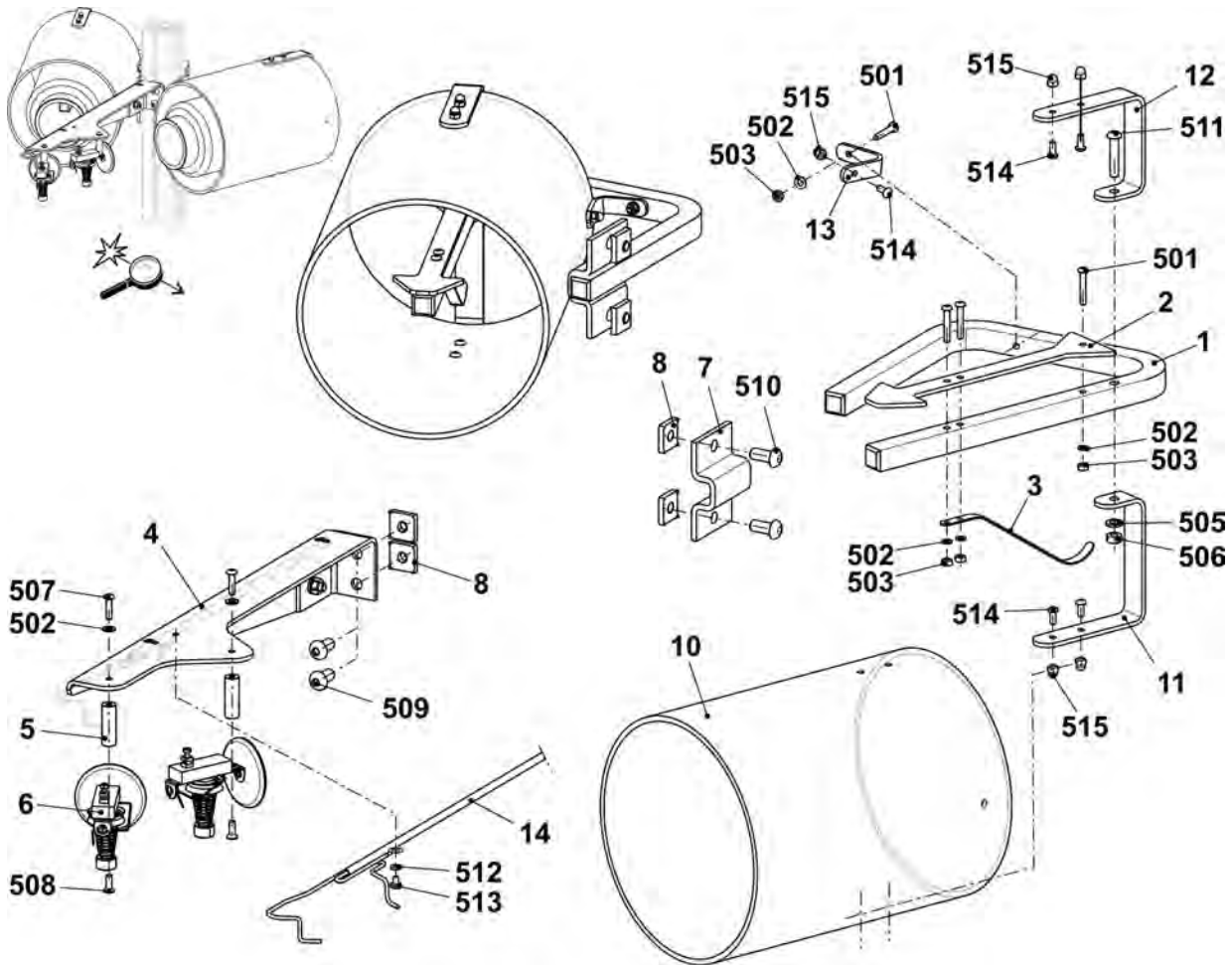
16.5 Additional board retrofit kit

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	Straps	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 Washer 5,3x30x1,25	023 556	502	Serrated nut M6-10	023 414
2	Yarn guide bar84"	236 932	503	Square nut M8	023 269



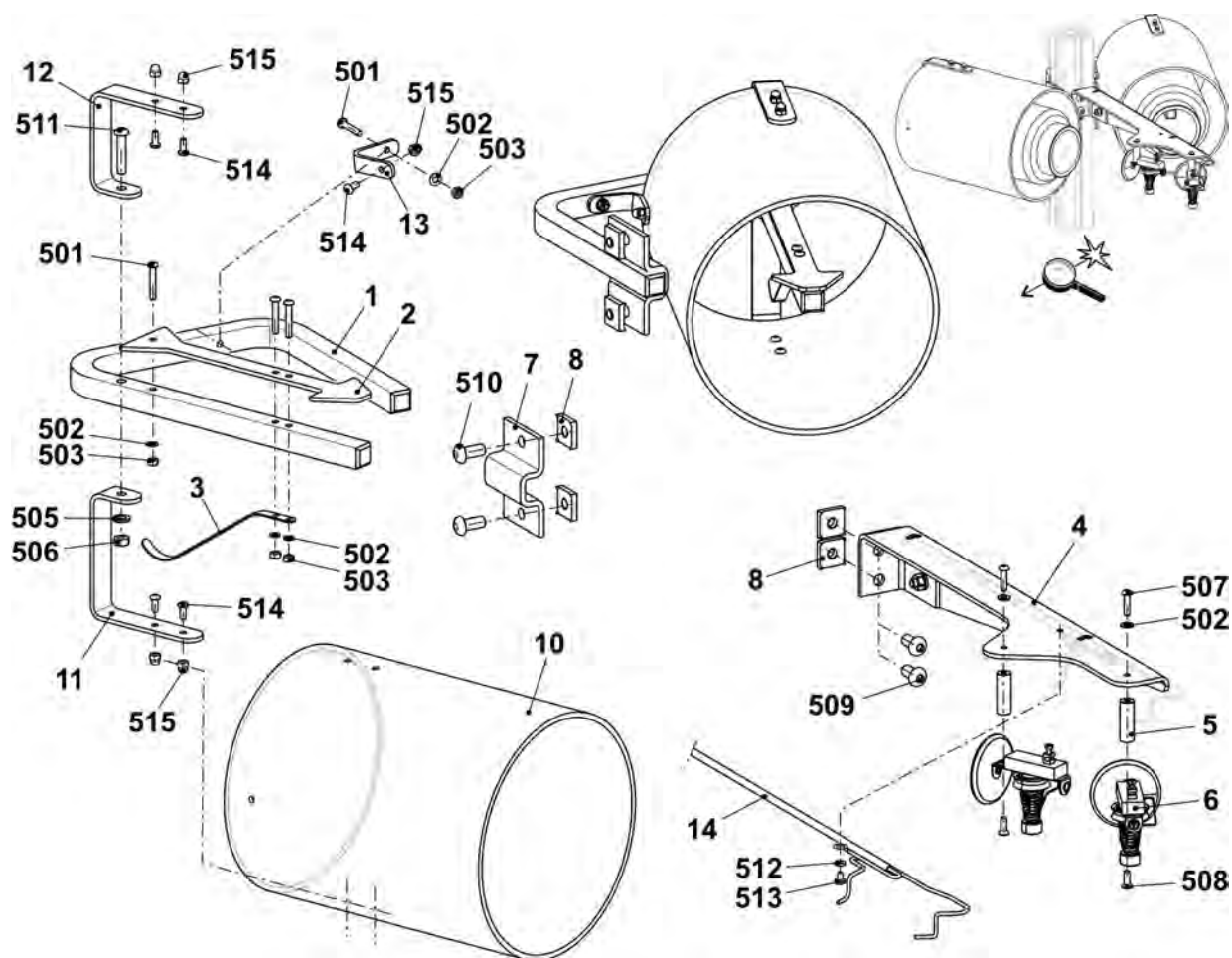
16.6 Bobbin holder on the left

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	Washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer 6	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



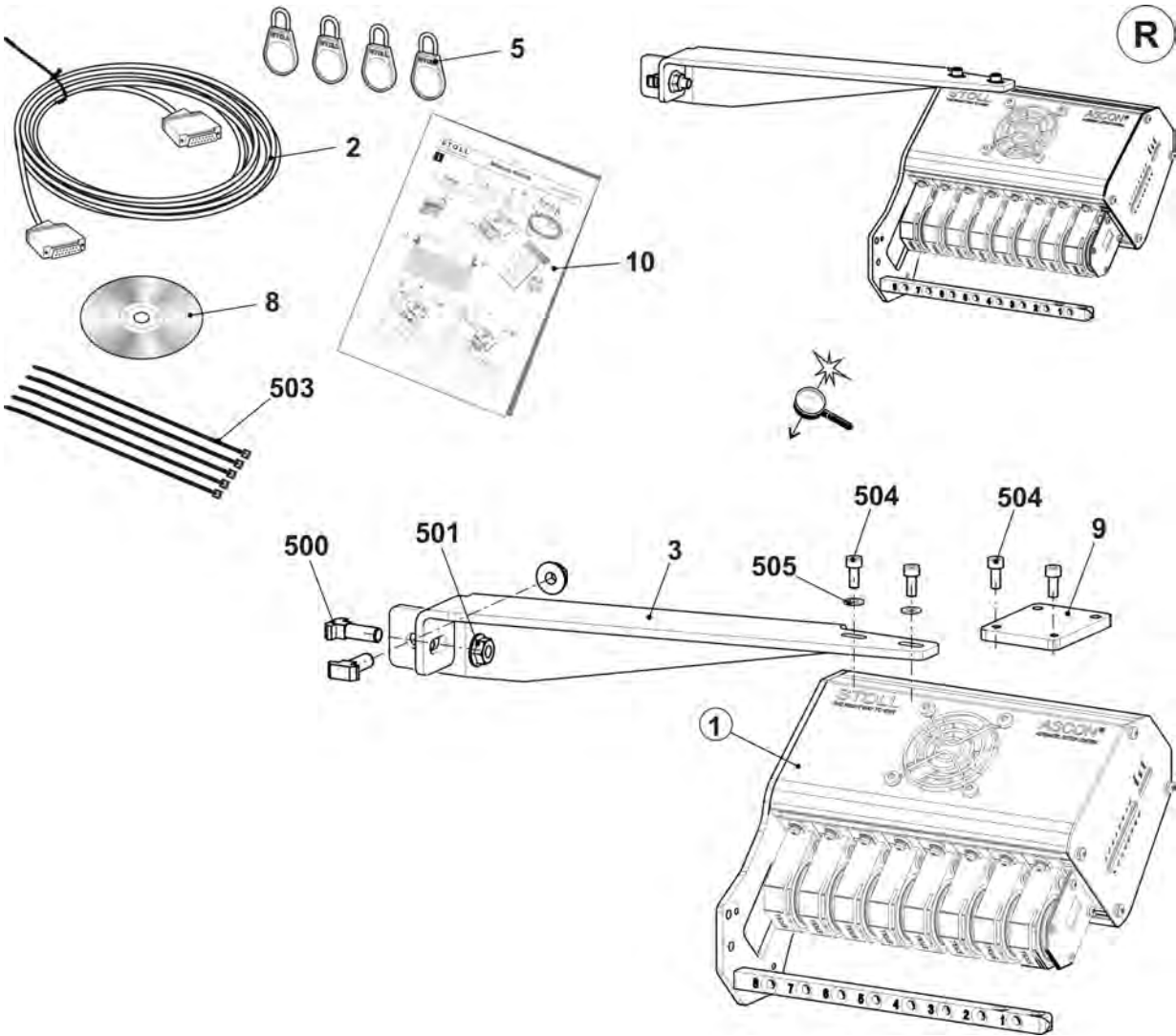
16.7 Bobbin holder on the right

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	Washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	Washer 6	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



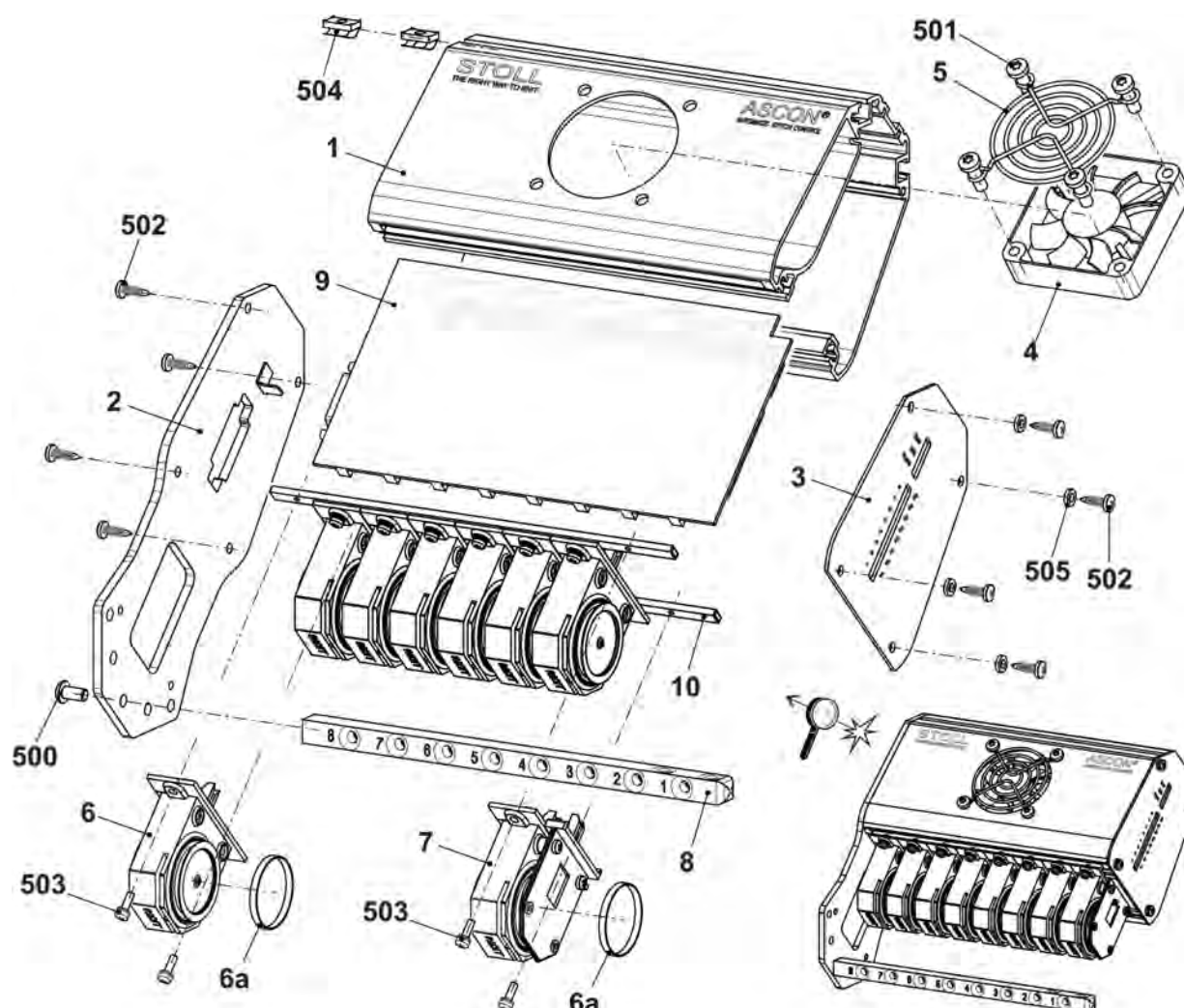
16.8 Yarn length measuring device on the right complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the right complete	265 391			
1	Yarn length measuring device on the right complete	257 282	10	Operating instructions of ASCON assembly	266 069
2	Cable ASCON	257 239	500	T-head bolt M8x25	022 866
3	Support right	265 045	501	Serrated nut M8-10	023 026
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	Washer 5	020 871



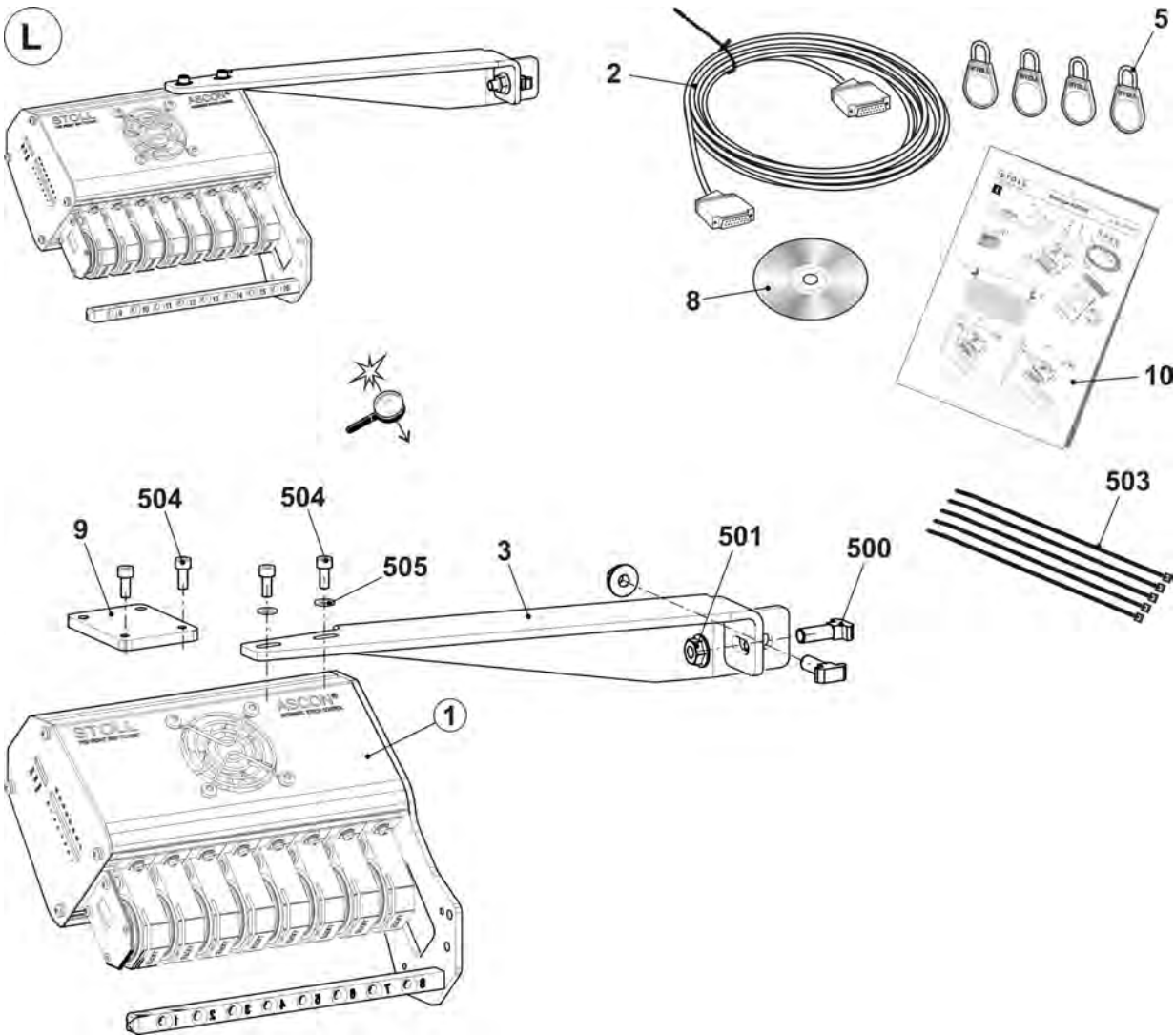
16.8.1 Yarn length measuring device on the right

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



16.9 Yarn length measuring device on the left complete

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device on the left complete	265 392			
1	Yarn length measuring device on the left complete	257 283	10	Operating instructions of ASCON assembly	266 069
2	Cable ASCON	257 239	500	T-head bolt M8x25	022 866
3	Support on the left	265 046	501	Serrated nut M8-10	023 026
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	Washer 5	020 871



16.9.1 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

