

Spare-parts catalog

CMS 730S (Type 625)

Component type 000

E3,5.2|E5.2|E6.2|E7.2|E9.2

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1 Introduction

Imprint

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

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Fax: +49 7121 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.

Please use the order form!

Only genuine STOLL spare parts may be used for repairs.

Spare parts order

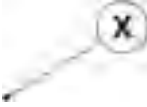
[illegible]

Date: _____

Signature _____

1.2 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.

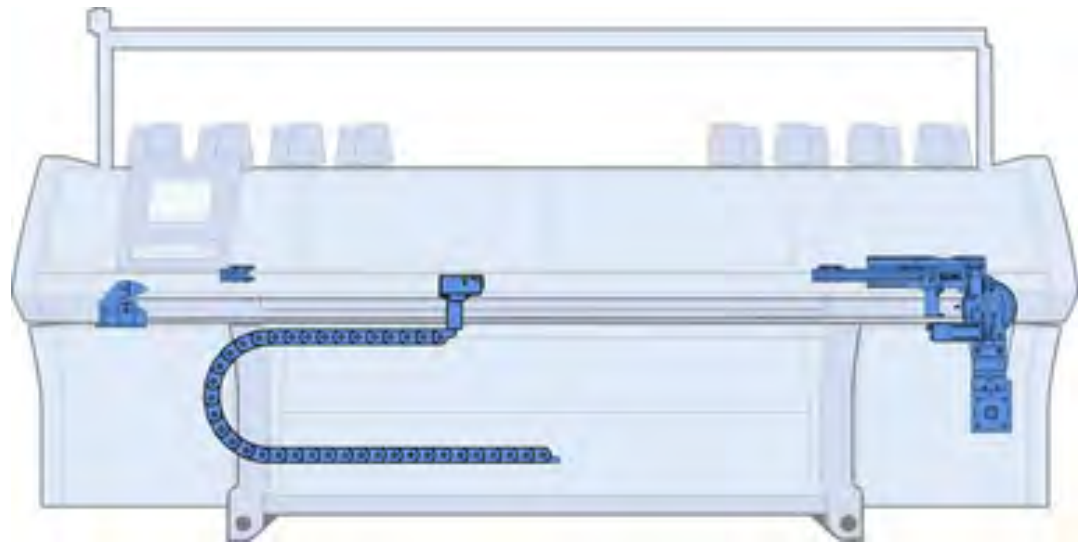
1.3 Torques

Drehmomente Torques Couples Coppias Momentos de rotación [Nm] ± 10 % (für $\mu_{\text{ges}} = 0,12$)		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	

Preferential row of screw torques

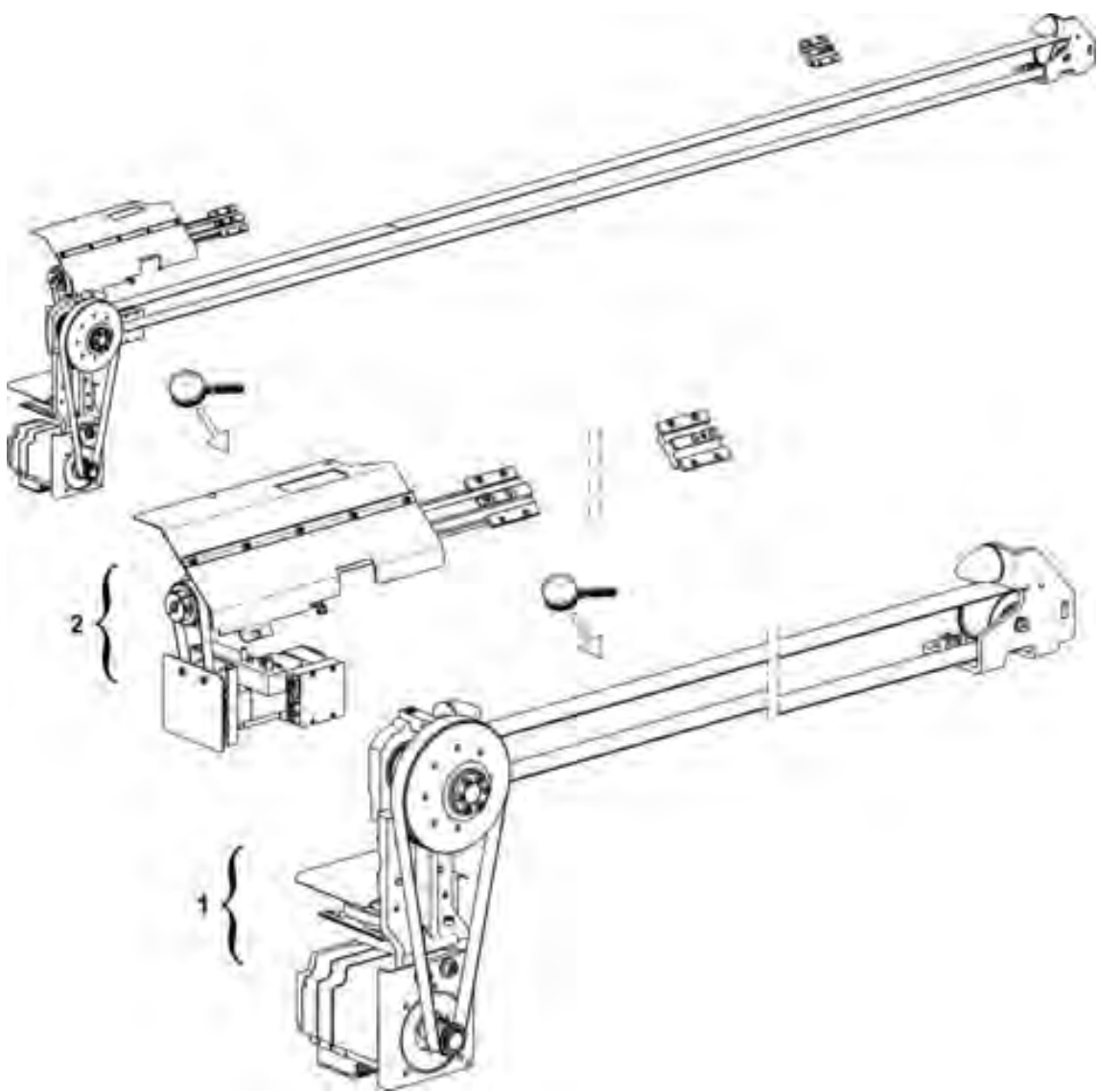
- Torques are valid for:
Connection steel-steel, black, phosphatized, galvanized, rolled or cut thread as well as only for plain (head) supports.
- Torques are valid for:
protected screws with: lock washers, rib heads, coated and clamping screws and nuts. They are also not used for self-grooving threads.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

2 Drive and racking



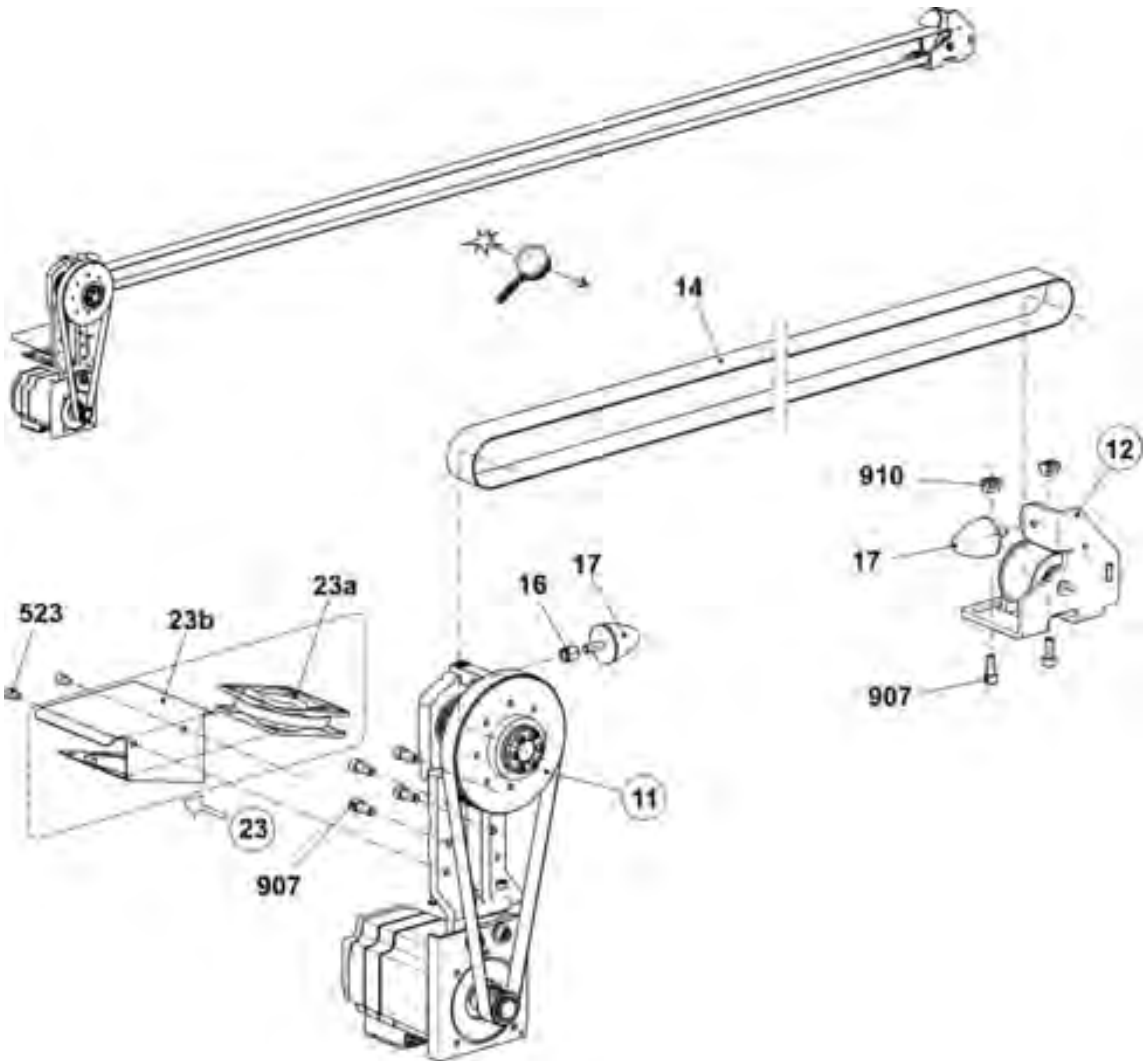
2.1 Drive and racking

Pos	Designation	Id		Pos	Designation	Id
Σ	Drive unit and racking					
1	Drive unit			2	Racking	



2.1.1 Drive

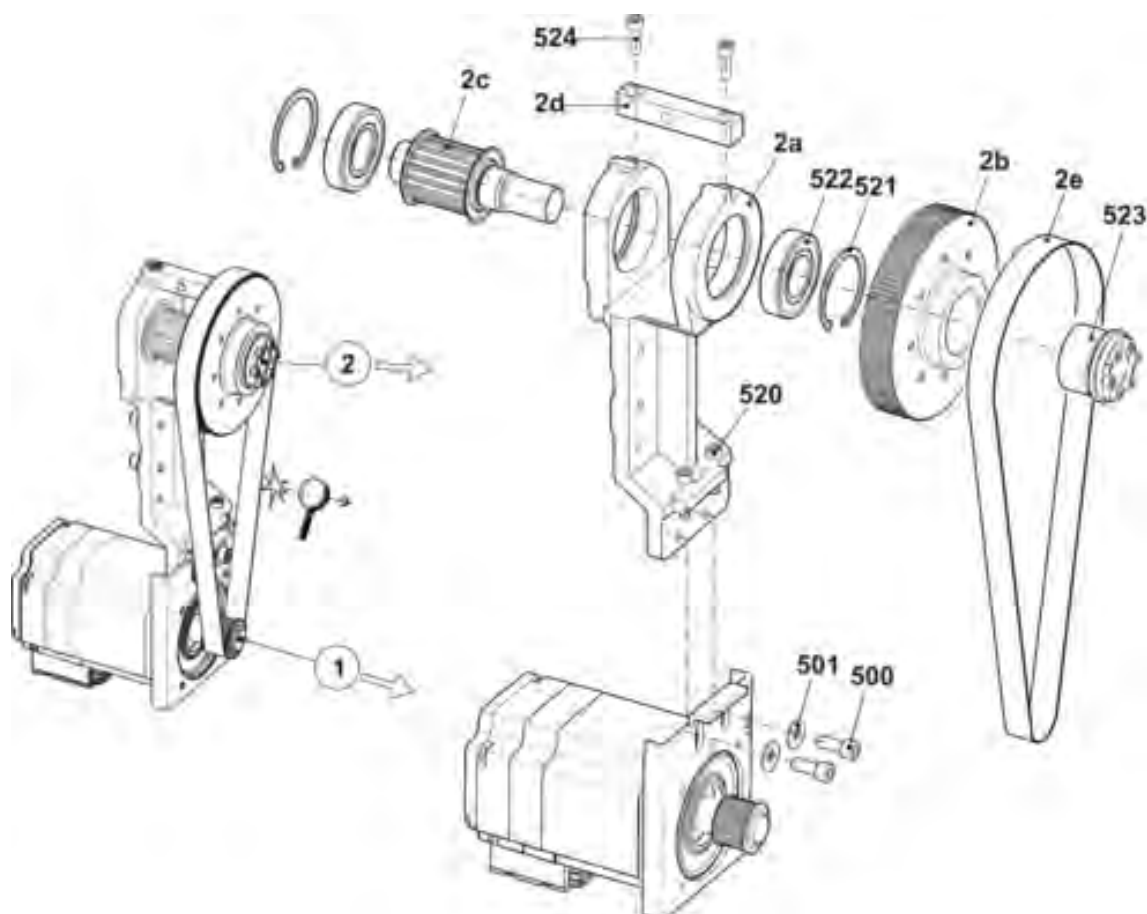
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive unit			23	Ventilator complete	242 413
11	Drive unit complete	240 743		23a	Ventilator complete	213 722
12	Tension bearing complete	251 581		23b	Ventilator plate drive motor	241 823
14	Toothed belt 50AT10/6370	253 850		523	Cap screws M8x12	023 138
16	Distance pipe	222 099		910	Nut M10x12	023 471
17	Parabolic spring	200 661		907	Cap screw M10X25	020 157



2.1 Drive and racking

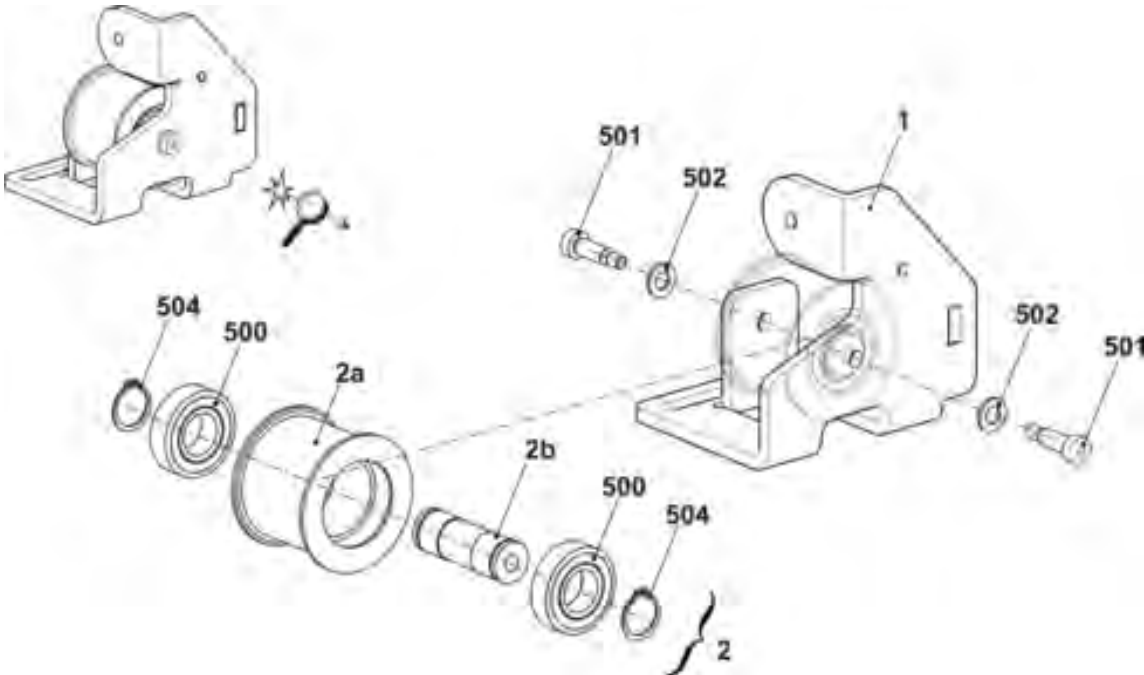
2.1.1.1 Motor and belt drive

Pos	Designation		Id		Pos	Designation		Id
Σ	Drive unit complete		240 743					
1	Drive unit		256 301			2d	Support of buffer	222 100
500	Cap screw M10X25		020 157			2e	Toothed belt 250 HP-S5M 1050 NG	240 628
501	Disc 10.5X25X2.5		022 178			520	Cap screw M8X35	020 144
2	Drive bearing complete		240 742			521	Locking ring 68x2.5	022 914
	2a	Drive bearing	241 654			522	Grooved ball bearing 6207-2RS	022 915
	2b	Toothed belt pulley	240 616			523	Tension set 30x55	023 208
	2c	Pinion	242 039			524	Cap screw M8x16 8.8	020 142



2.1.1.2 Tension bearing

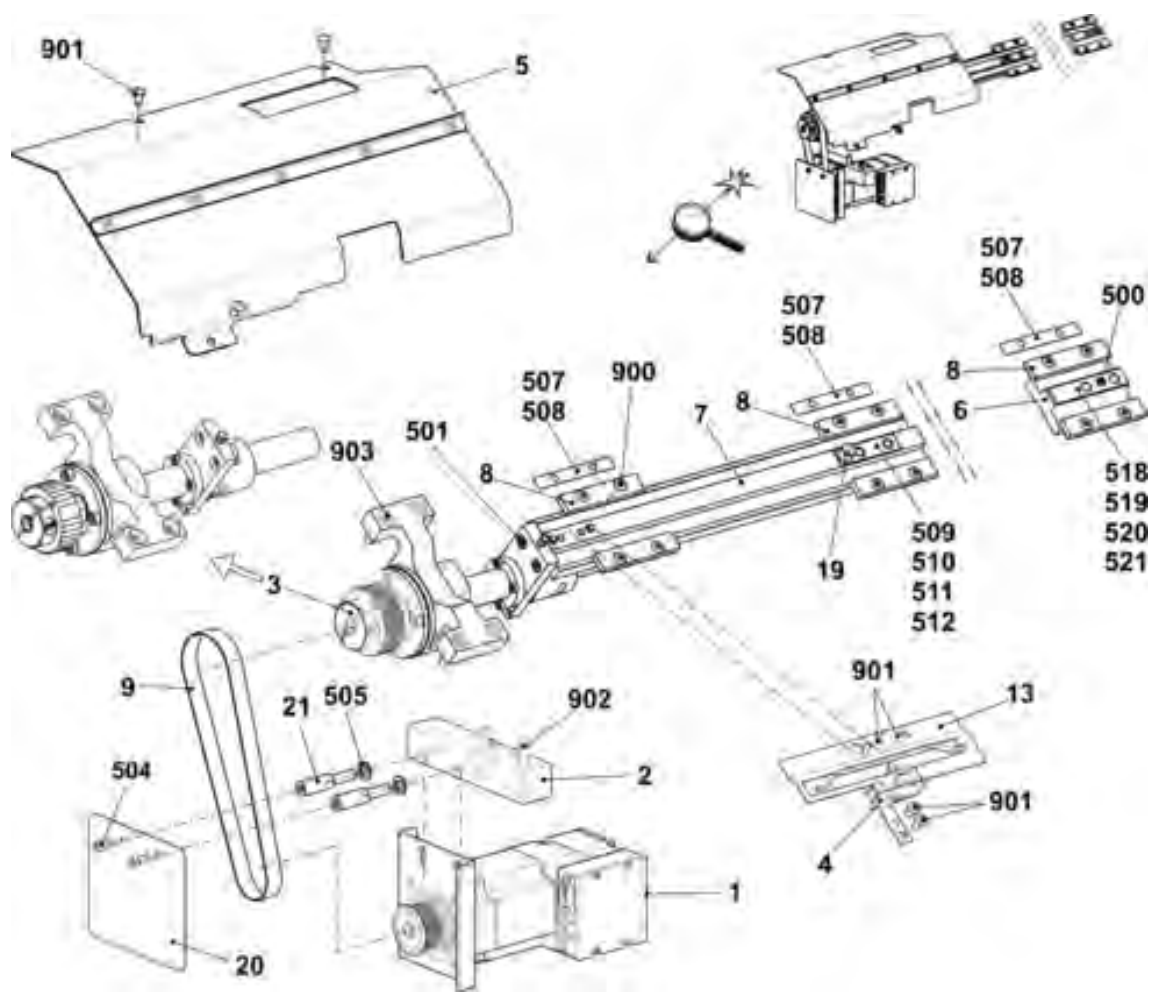
Pos	Designation		Id		Pos	Designation		Id
Σ	Tension bearing complete		251 581					
1	Tension bearing		251 560			500	Grooved ball bearing625-6305-2RS	255 686
2	Tension roller complete		256 640			504	Locking ring 471-25x1,2	
	2a	Tension roller	255 684		501	Cap screwM10x25		023 751
	2b	Axle	251 579		502	U-washer		020 874



2.1 Drive and racking

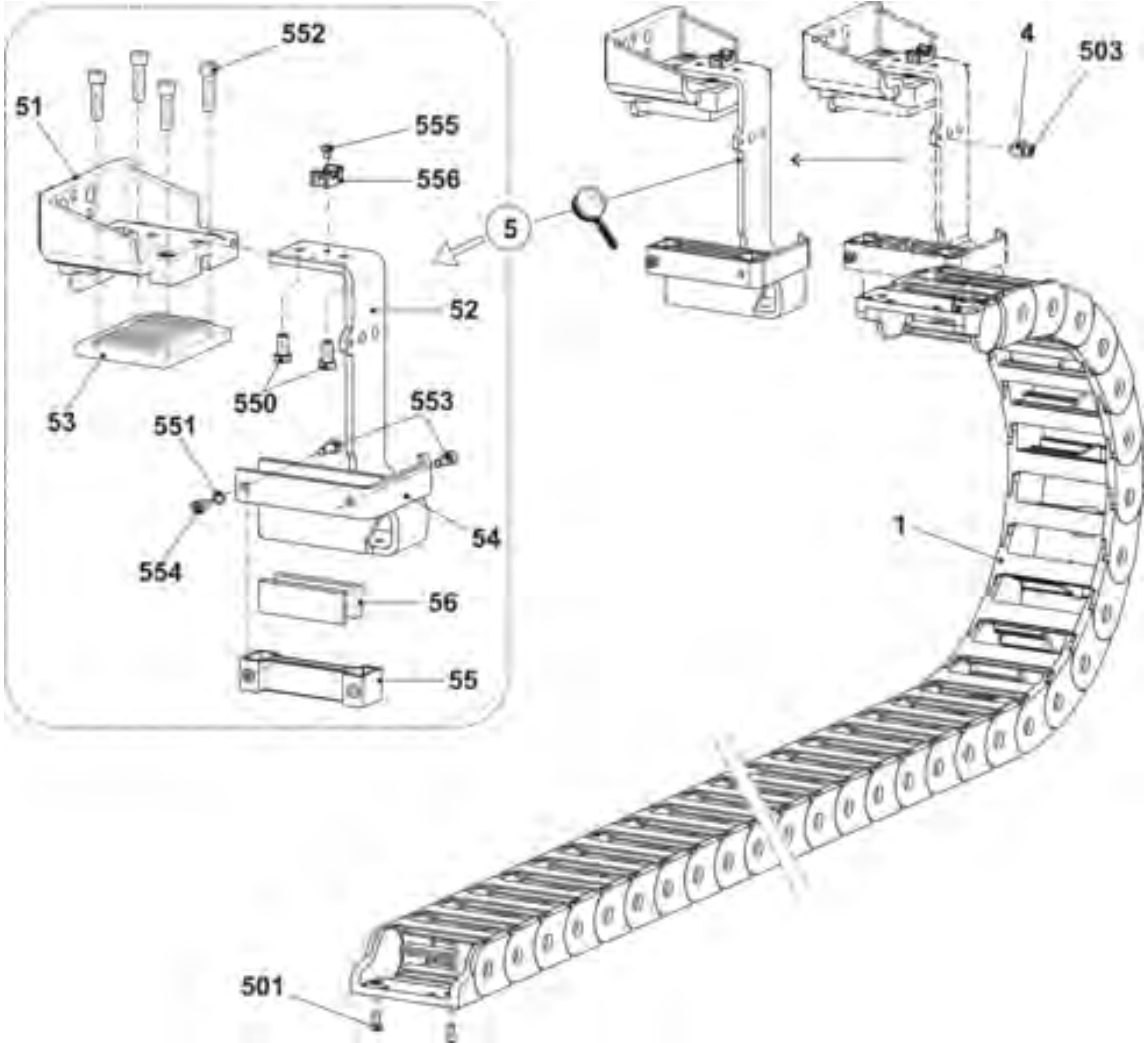
2.1.2 Racking

Pos	Designation	Id		Pos	Designation	Id
Σ	Racking			504	Cap screw M5x12	020 132
1	Three-phase A.C. servo motor racking complete	258 192		505	U-washer	022 175
2	Bearing	227 605		507	Shim 0,03x11x80	023 286
3	Spindle bearing	253 262		508	Shim 0,05x11x80	023 287
4	Card racking limit switch	229 396		509	Shim 0,03x15x3	023 482
5	Racking cover plate	235 736		510	Shim 0,05x15x63	023 483
6	Racking strip on the left	213 799		511	Shim 0,1x15x63	023 484
7	Racking strip	241 853		512	Shim 0,2x15x63	023 485
8	Guide strip	206 382		518	Shim 0,03x15x75	023 395
9	Toothed belt 150 S 5M 425	229 280		519	Shim 0,05x15x75	023 396
13	Switch plate	240 722		520	Shim 0,1x15x75	023 397
19	Stop screw	222 645		521	Shim 0,2x15x75	023 398
20	Cover plate	232 544		900	Cap screw M6x12	022 795
21	Distance bolt	232 543		901	Countersunk screw M6x10	023 183
500	Cap screw M4x4	022 767		902	Cap screw M8x35	020 144
501	Cap screw M6X16	023 116		903	Cap screw M8x25-12.9	020 142



2.2 Energy chain and plunger

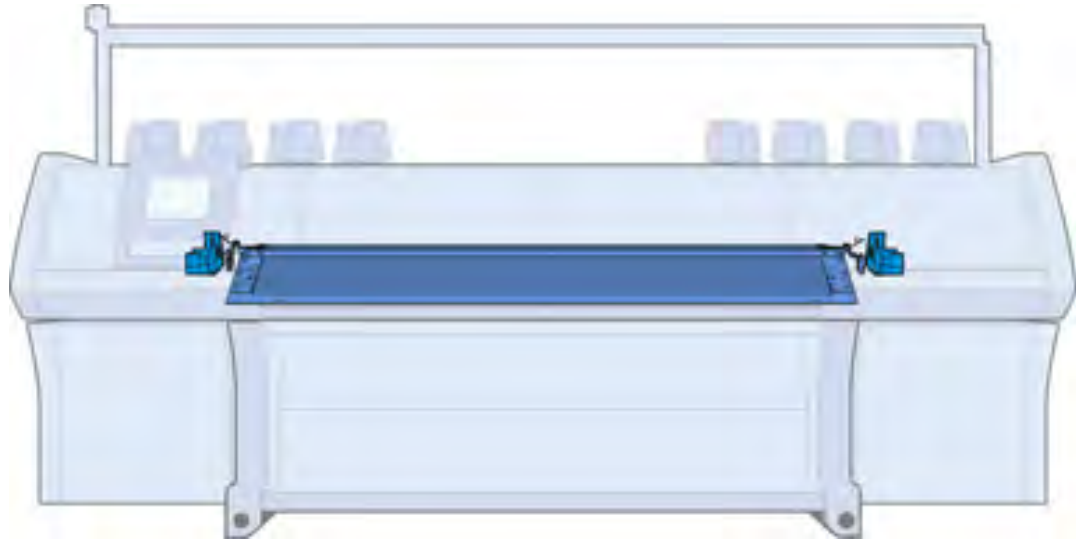
Pos	Designation	Id		Pos	Designation	Id
1	Energy chain 37 links	223 864		5	Continuation carriage driver complete	
4	Threaded spacer	214 584		56	Cellular caoutchouc black	202 597
501	Cap screw M6X8	023 411		550	Cap screw M6x16	023 144
503	Cap screw M6x16	020 135		551	Circlip	022 752
5	Carriage driver complete	241 430		552	Cap screw M8x30	020 143
51	Carriage driver	241 404		553	Cap screw M6x16	020 135
52	Cable driver	251 262		554	Cap screw M6X12	020 134
53	Clamping plate	226 111		555	Countersunk screw M5x6	023 284
54	Cover strip	230 698		556	Fixing element	026 489
55	Cable holder	204 688				



2.2 Energy chain and plunger

Notes:

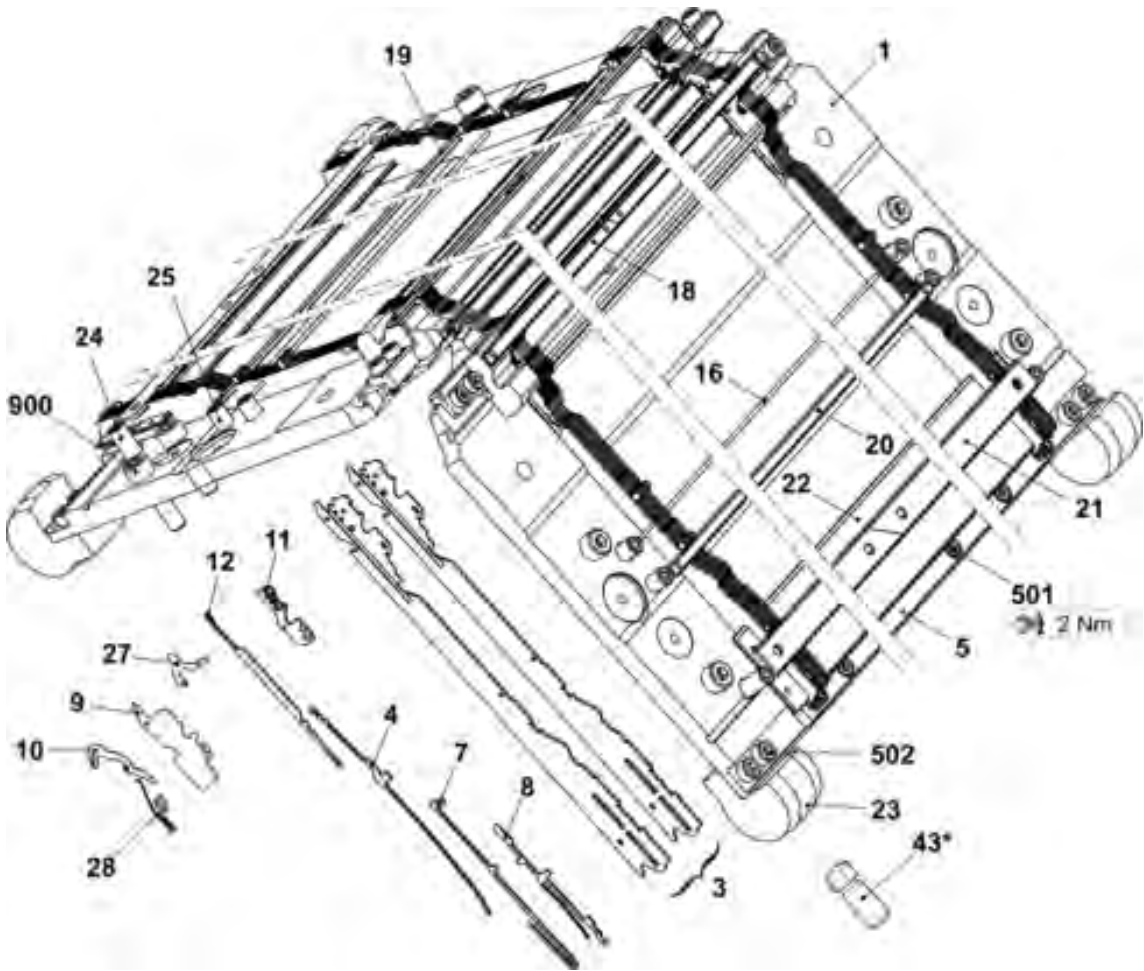
3 Needle beds



3.1 Needle bed E2,5.2

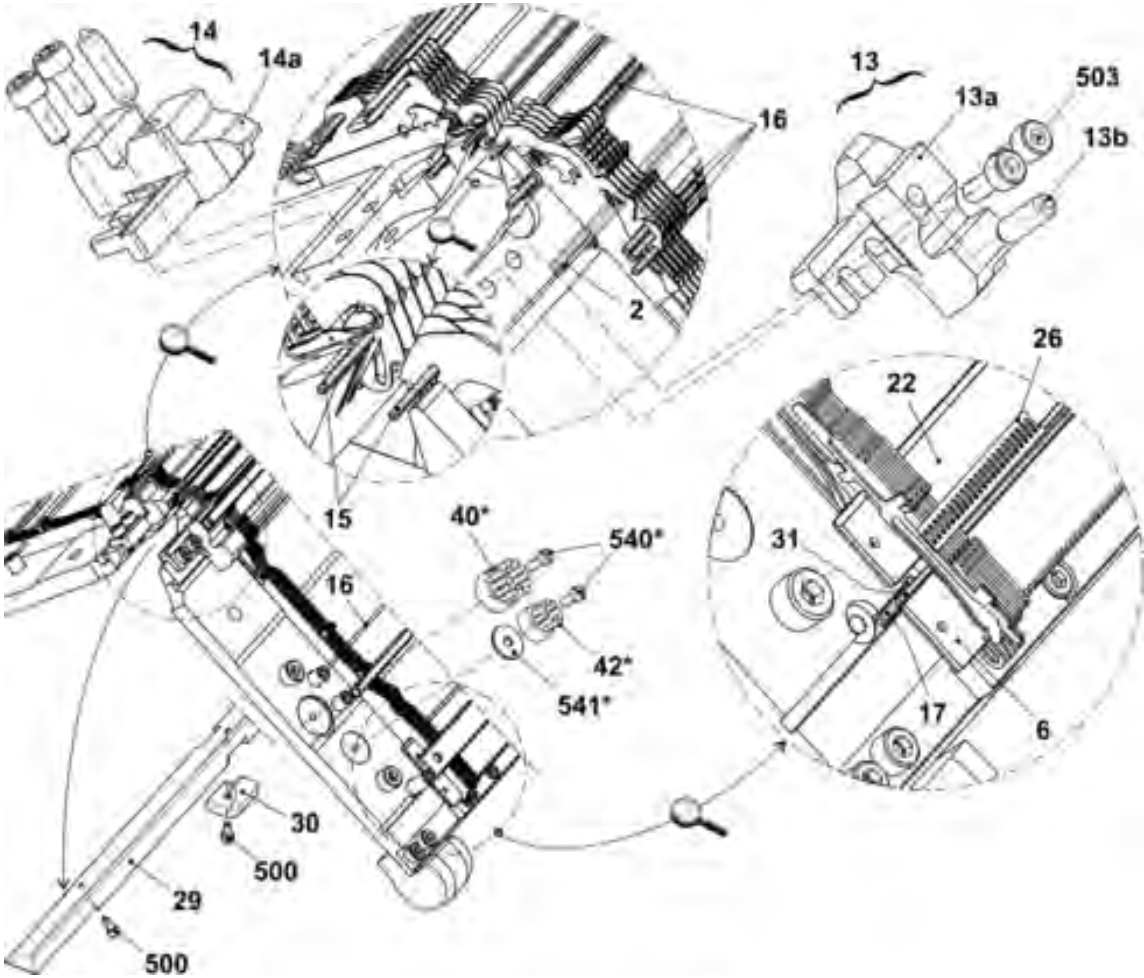
3.1 Needle bed E2,5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E3,5.2	254 181		19	Cover rail at the rear	218 725
1	Needle bed at the front and rear E3,5.2	241 406		20	Cover rail at the front E7	218 930
3	Main trick wall pair complete E3,5.2	254 928		21	Cover rail selection	235 241
4	Coupling part E3,5.2	240 513		22	Intermediate rail	235 251
5	Pressure bar	235 177		23	Support	240 604
7	Intermediate slider E3,5.2	241 223		24	Stop screw AWS	235 243
8	Selection jack E3,5.2	240 815		25	Stop screw	235 244
9	Wire support E3,5.2	241 334		27	Yarn guide jack E3,5.2	254 930
10	Holding-down jack E3,5.2	254 929		28	Spring holding-down jack E3,5.2	241 307
11	Needle guidance E3,5.2	254 933		43*	Adjusting bolt	230 742
12	Needle E3,5.2	254 102		501	Cap screw M5x8	023 154
16	Spring steel wire ø2.0 mm	218 676		502	Cap screw M6X12	020 134
18	Needle bar	235 242		900	Cap screw M8x30	020 143



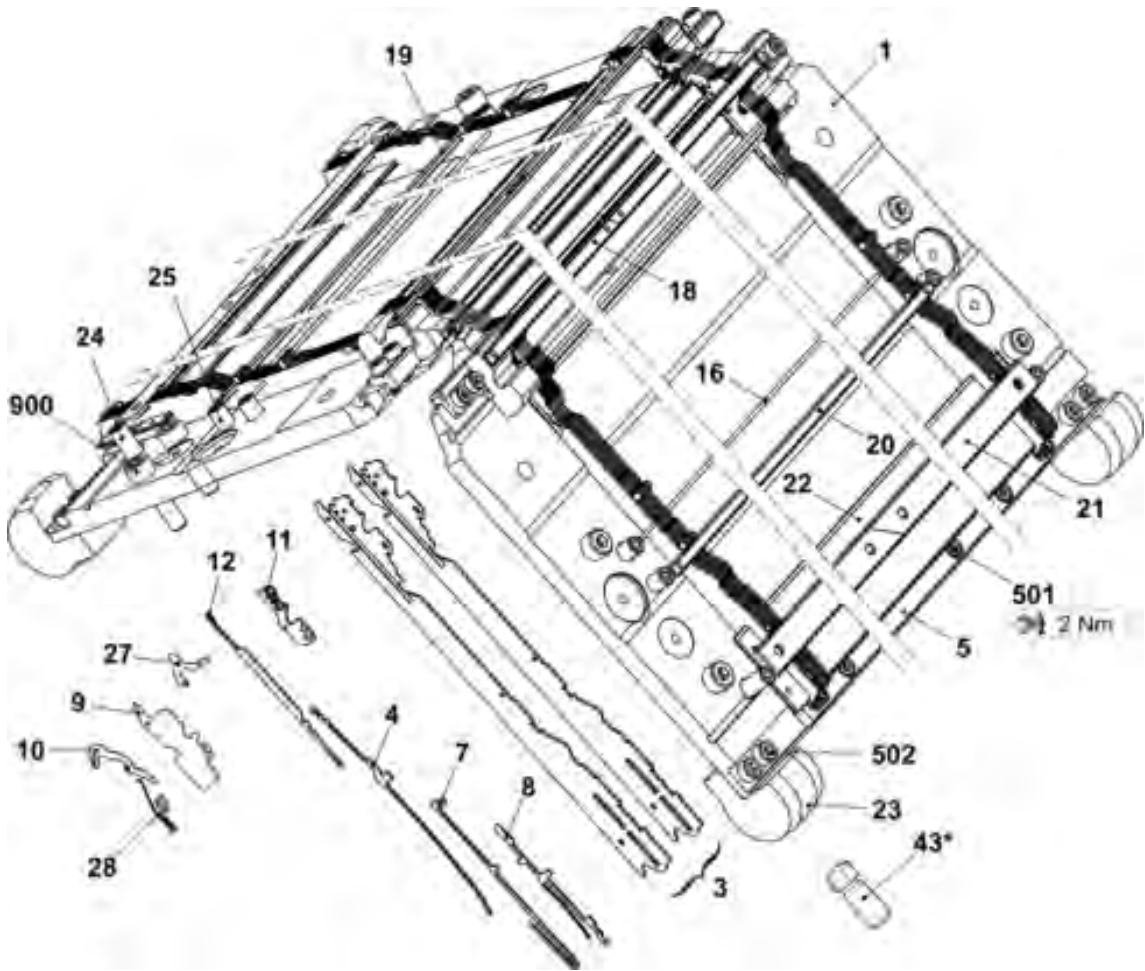
3.2 Continuation needle bed E3,5.2

Pos	Designation		Id		Pos	Designation		Id
2	Locating wire ø3.4		218 674					
6	Intermediate rail E3,5.2		251 089		26	Spacer sheet metal trick wall E3,5.2		241 231
13	Limiter on the left complete E5.2-9.2		236 976		29	Strip guide		237 177
	13a	Limiter on the left E5.2-9.2	235 175		30	Guide		233 023
	13b	Springy thrust piece B-M6	023 897		31	Fixed wire ø1.6		251 093
14	Limiter on the right complete E5.2-9.2		236 977		500	Cap screw M3X6		022 589
	14a	Limiter on the right E5.2-9.2	235 170		503	Cap screw M5x12		020 132
15	Spring steel wire ø0.8		234 947		40*	Plate brush ø18		230 744
16	Spring steel wire ø 2.0		218 676		42*	Plate brush ø12		202 600
17	Locating wire ø2.8		218 730		540*	Cap screw M5x12		020 032
22	Intermediate rail		235 251		541*	Washer 5.3x18x1.5		020 909



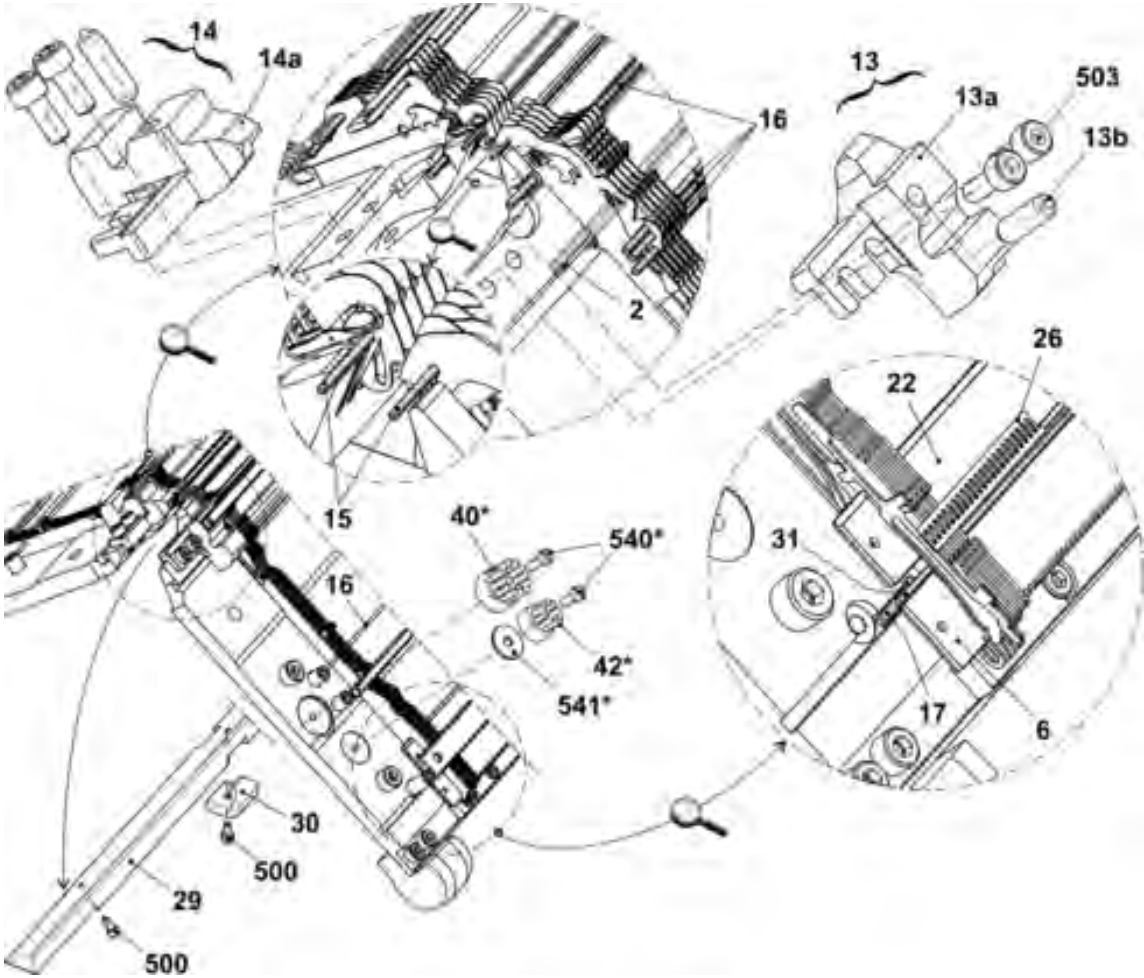
3.3 Needle bed E5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7.2	254 180		19	Cover rail at the rear	218 725
1	Needle bed at the front and rear E5.2	238 132		20	Cover rail at the front E10	218 726
3	Main trick wall pair complete E5.2	254 122		21	Cover rail selection	235 241
4	Coupling part E5.2	237 963		22	Intermediate rail	235 251
5	Pressure bar	235 177		23	Support	240 604
7	Intermediate slider E5.2	237 967		24	Stop screw AWS	235 243
8	Selection jack E6.2	237 969		25	Stop screw	235 244
9	Wire support E5.2	254 125		27	Yarn guide jack E5.2	254 124
10	Holding-down jack E5.2	254 123		28	Spring holding-down jack	254 288
11	Needle guidance E6.2	254 126		43*	Adjusting bolt	230 742
12	Needle E5.2	254 101		501	Cap screw M5x8	023 154
16	Spring steel wire ø2.0 mm	218 676		502	Cap screw M6X12	020 134
18	Needle bar	235 242		900	Cap screw M8x30	020 143



3.4 Continuation needle bed E5.2

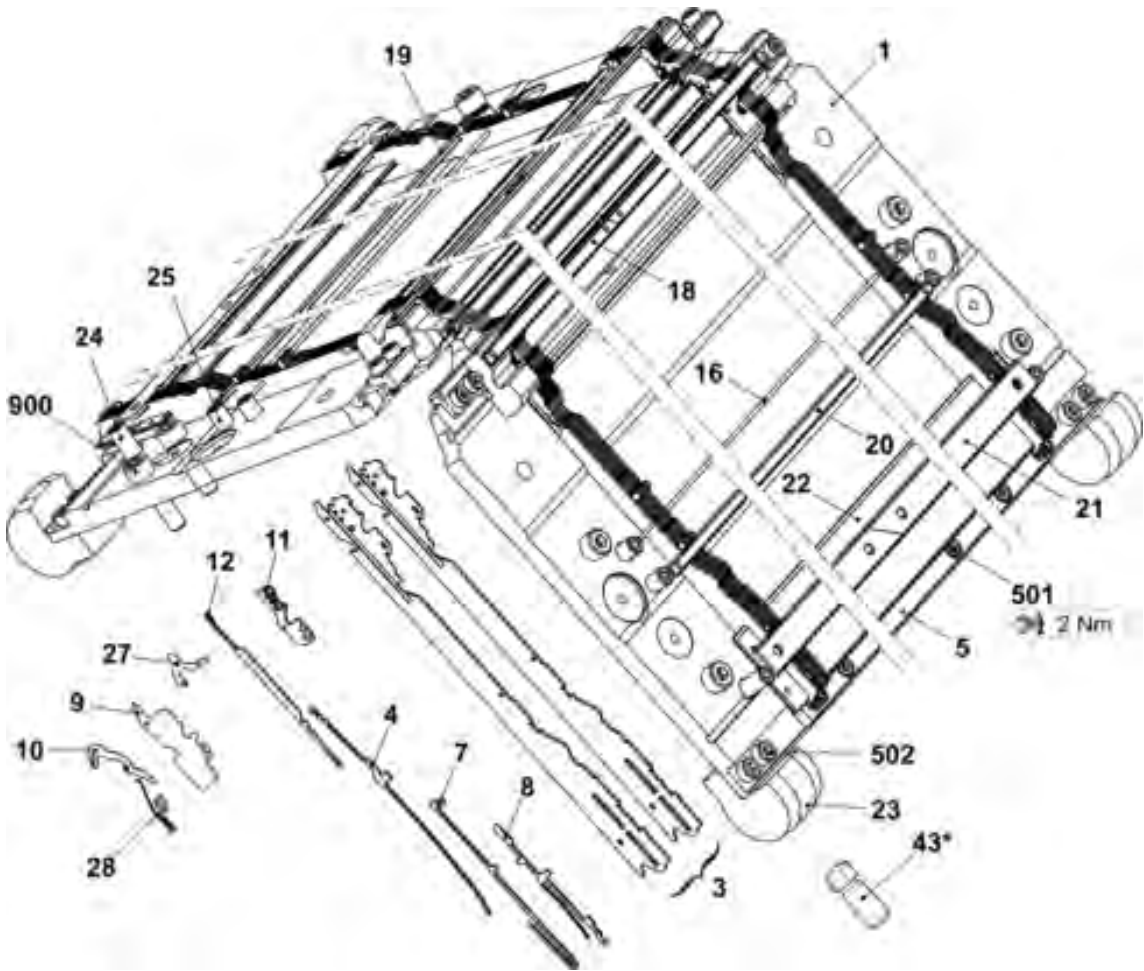
Pos	Designation		Id		Pos	Designation		Id
2	Locating wire ø3.4		218 674					
6	Intermediate rail E5.2		251 090		26	Spacer sheet metal trick wall E5.2		237 961
13	Limiter on the left complete E5.2-9.2		236 976		29	Strip guide		237 177
	13a	Limiter on the left E5.2-9.2	235 175		30	Guide		233 023
	13b	Springy thrust piece B-M6	023 897		31	Fixed wire ø1.6		251 093
14	Limiter on the right complete E5.2-9.2		236 977		500	Cap screw M3X6		022 589
	14a	Limiter on the right E5.2-9.2	235 170		503	Cap screw M5x12		020 132
15	Spring steel wire ø0.8		234 947		40*	Plate brush ø18		230 744
16	Spring steel wire ø 2.0		218 676		42*	Plate brush ø12		202 600
17	Locating wire ø2.8		218 730		540*	Cap screw M5x12		020 032
22	Intermediate rail		235 251		541*	Washer 5.3x18x1.5		020 909



3.5 Needle bed E6.2

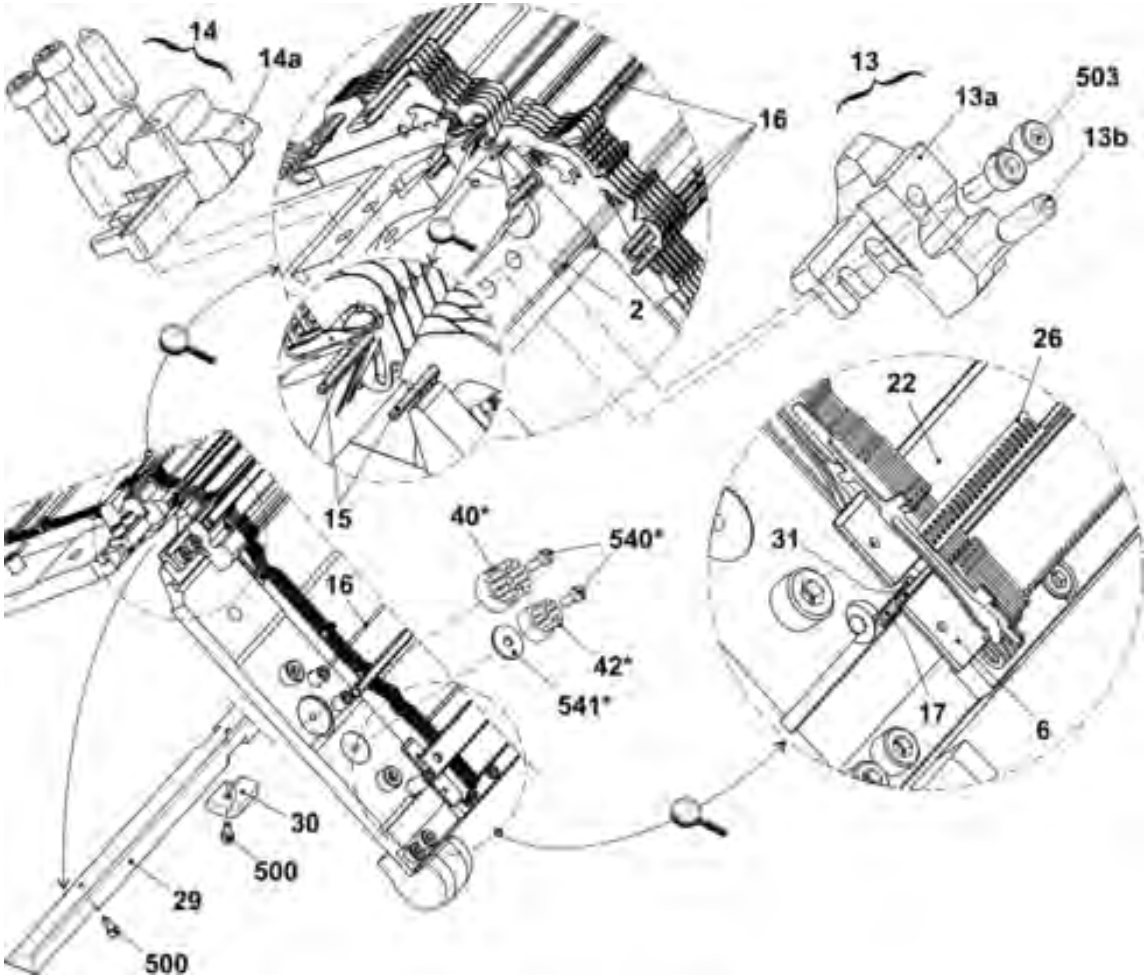
3.5 Needle bed E6.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E6.2	254174		19	Cover rail at the rear	218 725
1	Needle bed at the front and rear E6.2	235 258		20	Cover rail at the front E12	218 727
3	Main trick wall pair complete E6.2	254 112		21	Cover rail selection	235 241
4	Coupling part E6.2	235 129		22	Intermediate rail	235 251
5	Pressure bar	235 177		23	Support	240 604
7	Intermediate slider E6.2	235 030		24	Stop screw AWS	235 243
8	Selection jack E6.2	230 810		25	Stop screw	235 244
9	Wire support E6.2	254 116		27	Yarn guide jack E6.2	254 115
10	Holding-down jack E6.2	254 114		28	Spring holding-down jack	254 288
11	Needle guidance E6.2	254 117		43*	Adjusting bolt	230 742
12	Needle E6.2	254 100		501	Cap screw M5x8	023 154
16	Spring steel wire ø 2.0	218 676		502	Cap screw M6X12	020 134
18	Needle bar	235 242		900	Cap screw M8x30	020 143



3.6 Continuation needle bed E6.2

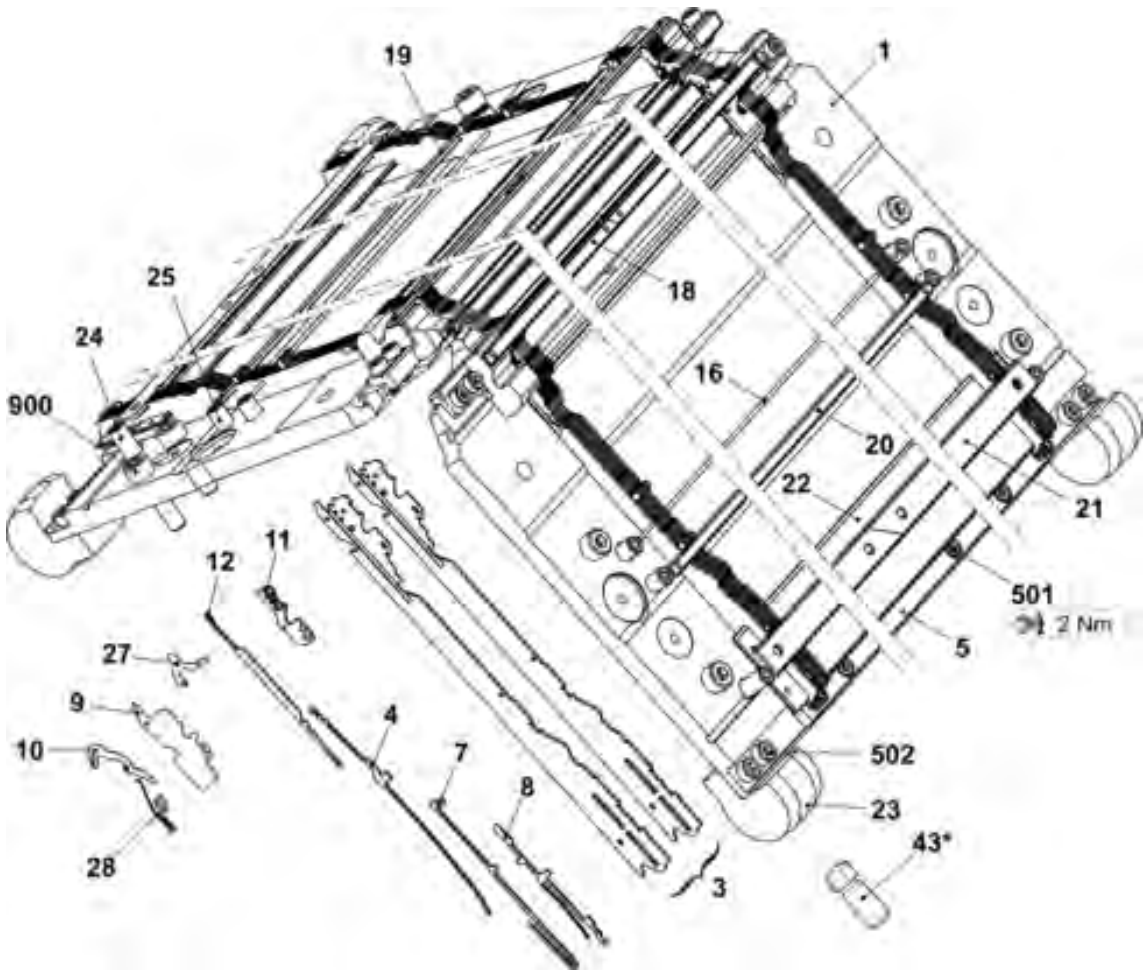
Pos	Designation		Id		Pos	Designation		Id
2	Locating wire ø3.4		218 674					
6	Intermediate rail E6.2		251 091		26	Spacer sheet metal trick wall E6.2		235 069
13	Limiter on the left complete E5.2-9.2		236 976		29	Strip guide		237 177
	13a	Limiter on the left E5.2-9.2	235 175		30	Guide		233 023
	13b	Springy thrust piece B-M6	023 897		31	Fixed wire ø1.6		251 093
14	Limiter on the right complete E5.2-9.2		236 977		500	Cap screw M3X6		022 589
	14a	Limiter on the right E5.2-9.2	235 170		503	Cap screw M5x12		020 132
15	Spring steel wire ø0.8		234 947		40*	Plate brush ø18		230 744
16	Spring steel wire ø 2.0		218 676		42*	Plate brush ø12		202 600
17	Locating wire ø2.8		218 730		540*	Cap screw M5x12		020 032
22	Intermediate rail		235 251		541*	Washer 5.3x18x1.5		020 909



3.7 Needle bed E7.2

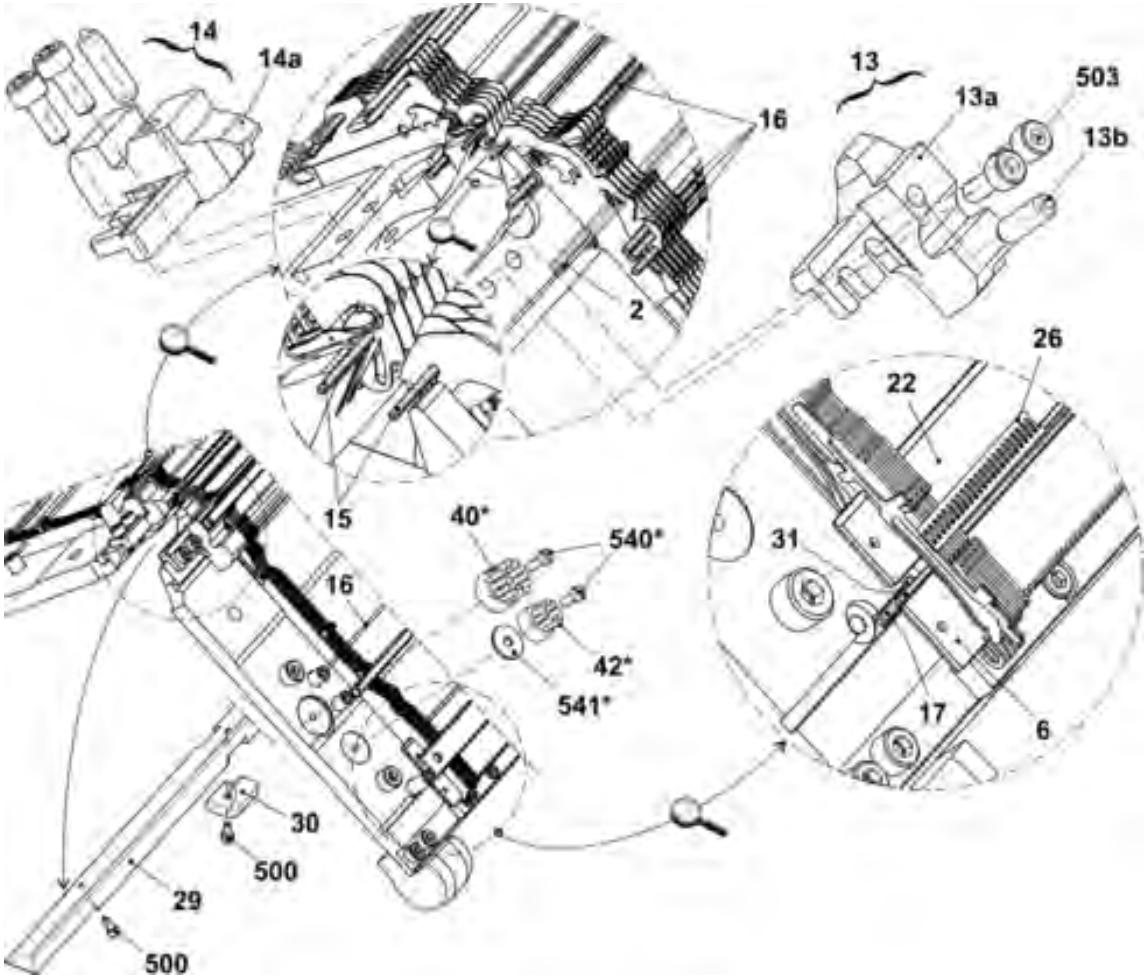
3.7 Needle bed E7.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E7.2	253 950		19	Cover rail at the rear	218 725
1	Needle bed at the front and rear E7.2	253 430		20	Cover rail at the front E14	219 686
3	Main trick wall pair complete E7.2	252 639		21	Cover rail selection	235 241
4	Coupling part E7.2	237 964		22	Intermediate rail	235 251
5	Pressure bar	235 177		23	Support	240 604
7	Intermediate slider E7.2	237 968		24	Stop screw AWS	235 243
8	Selection jack E7.2	251 063		25	Stop screw	235 244
9	Wire support E7.2	237 942		27	Yarn guide jack E7.2	252 674
10	Holding-down jack E7.2	252 675		28	Spring holding-down jack	237 057
11	Needle guidance E7.2	252 676		43*	Adjusting bolt	230 742
12	Needle E7.2	252 632		501	Cap screw M5x8	023 154
16	Spring steel wire ø2.0 mm	218 676		502	Cap screw M6X12	020 134
18	Needle bar	235 242		900	Cap screw M8x30	020 143



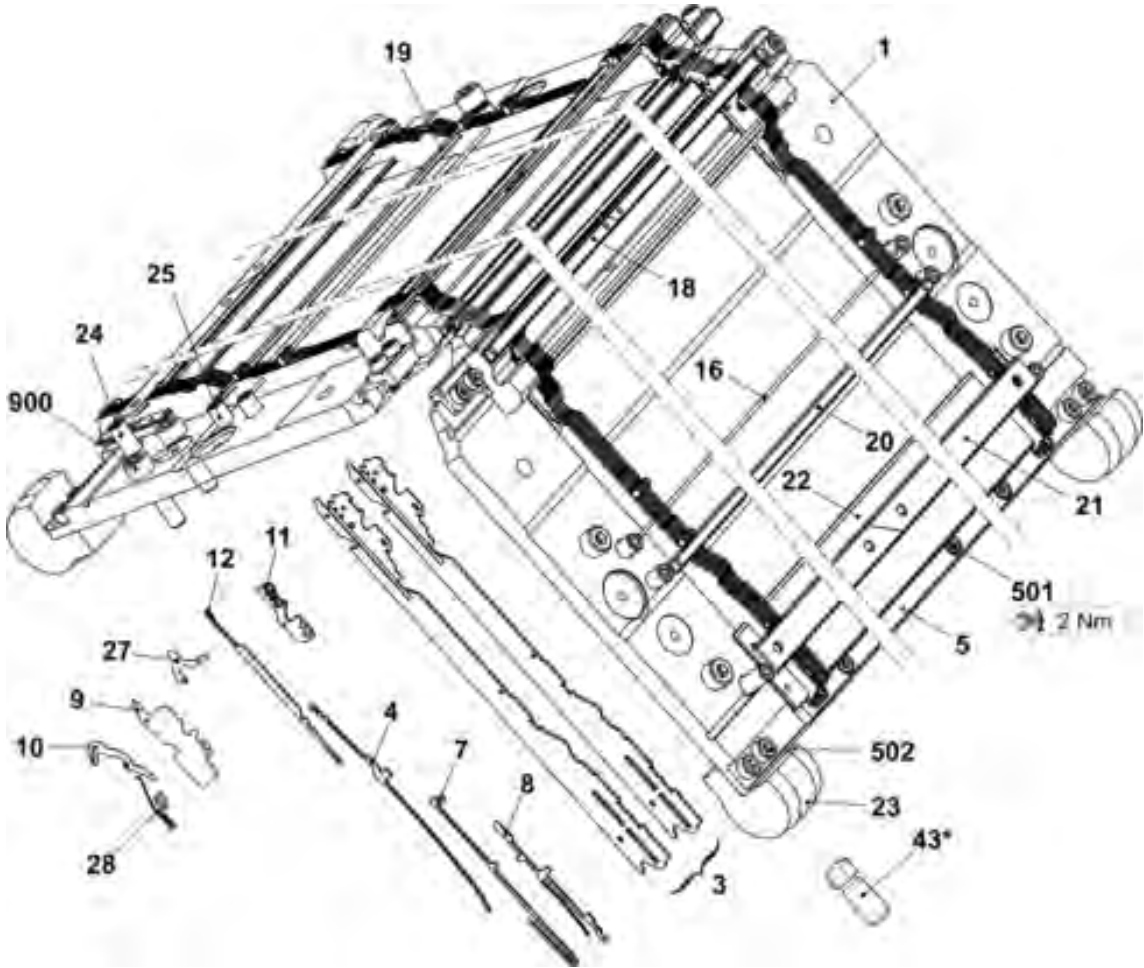
3.8 Continuation needle bed E7.2

Pos	Designation		Id		Pos	Designation		Id
2	Locating wire ø3.4		218 674					
6	Intermediate rail E7.2		250 935		26	Spacer sheet metal trick wall E7.2		237 962
13	Limiter on the left complete E5.2-9.2		236 976		29	Strip guide		237 177
	13a	Limiter on the left E5.2-9.2	235 175		30	Guide		233 023
	13b	Springy thrust piece B-M6	023 897		31	Fixed wire ø1.6		251 093
14	Limiter on the right complete E5.2-9.2		236 977		500	Cap screw M3X6		022 589
	14a	Limiter on the right E5.2-9.2	235 170		503	Cap screw M5x12		020 132
15	Spring steel wire ø0.8		234 947		40*	Plate brush ø18		230 744
16	Spring steel wire ø 2.0		218 676		42*	Plate brush ø12		202 600
17	Locating wire ø2.8		218 730		540*	Cap screw M5x12		020 032
22	Intermediate rail		235 251		541*	Washer 5.3x18x1.5		020 909



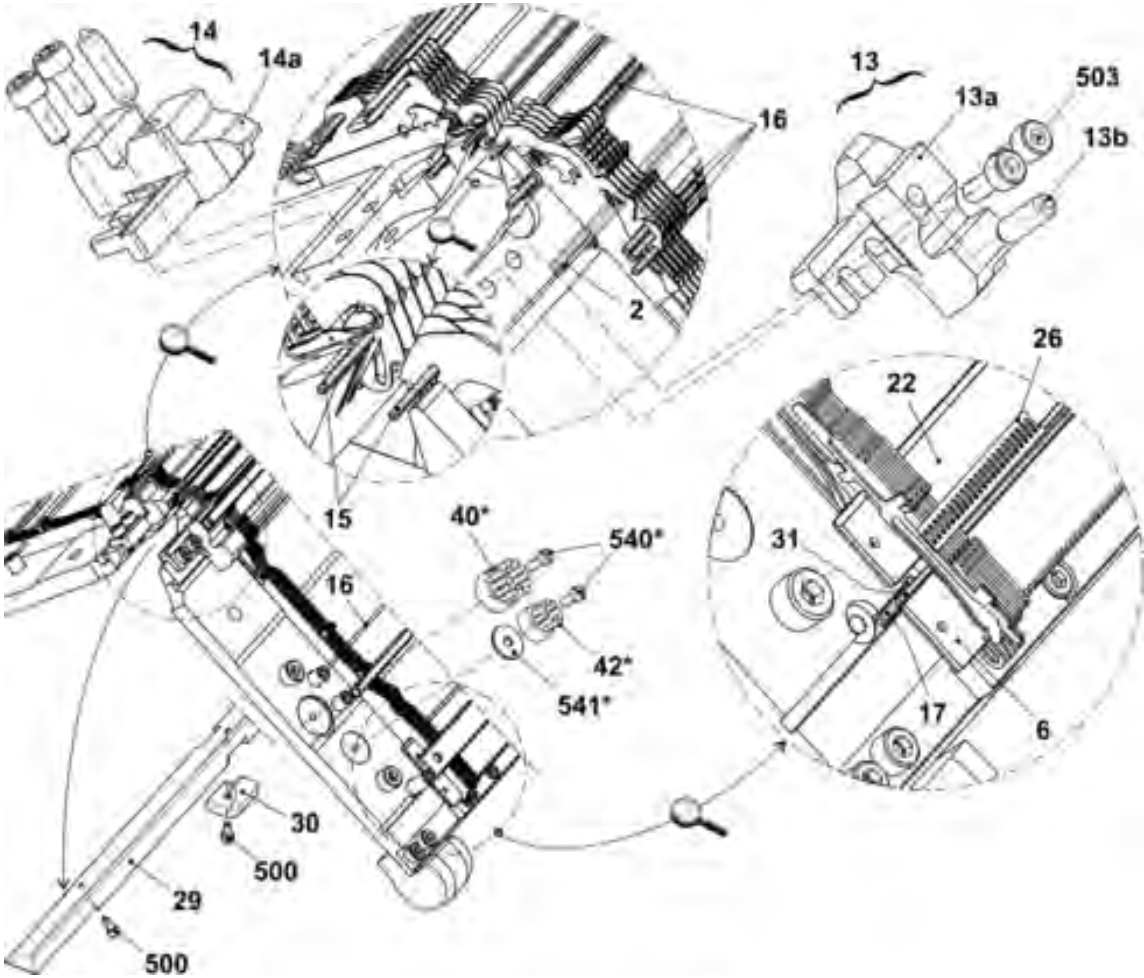
3.9 Needle bed E9.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E9.2	254 173		19	Cover rail at the rear	218 725
1	Needle bed at the front and rear E9.2	241 464		20	Cover rail at the front E18	224 705
3	Main trick wall pair complete E9.2	254 167		21	Cover rail selection	235 241
4	Coupling part E9.2	240 512		22	Intermediate rail	251 092
5	Pressure bar	235 177		23	Support	240 604
7	Intermediate slider E9.2	241 254		24	Stop screw AWS	235 243
8	Selection jack E9.2	243 170		25	Stop screw	235 244
9	Wire support E9.2	254 171		27	Jack yarn guide bracket E9.2	254 170
10	Holding-down jack E9.2	254 169		28	Spring holding-down jack E9.2	254 287
11	Needle guide E9.2	254 172		43*	Adjusting bolt	230 742
12	Needle E9.2	236 260		501	Cap screw M5x8	023 154
16	Spring steel wire ø 2.0	218 676		502	Cap screw M6X12	020 134
18	Needle bar	235 242		900	Cap screw M8x30	020 143



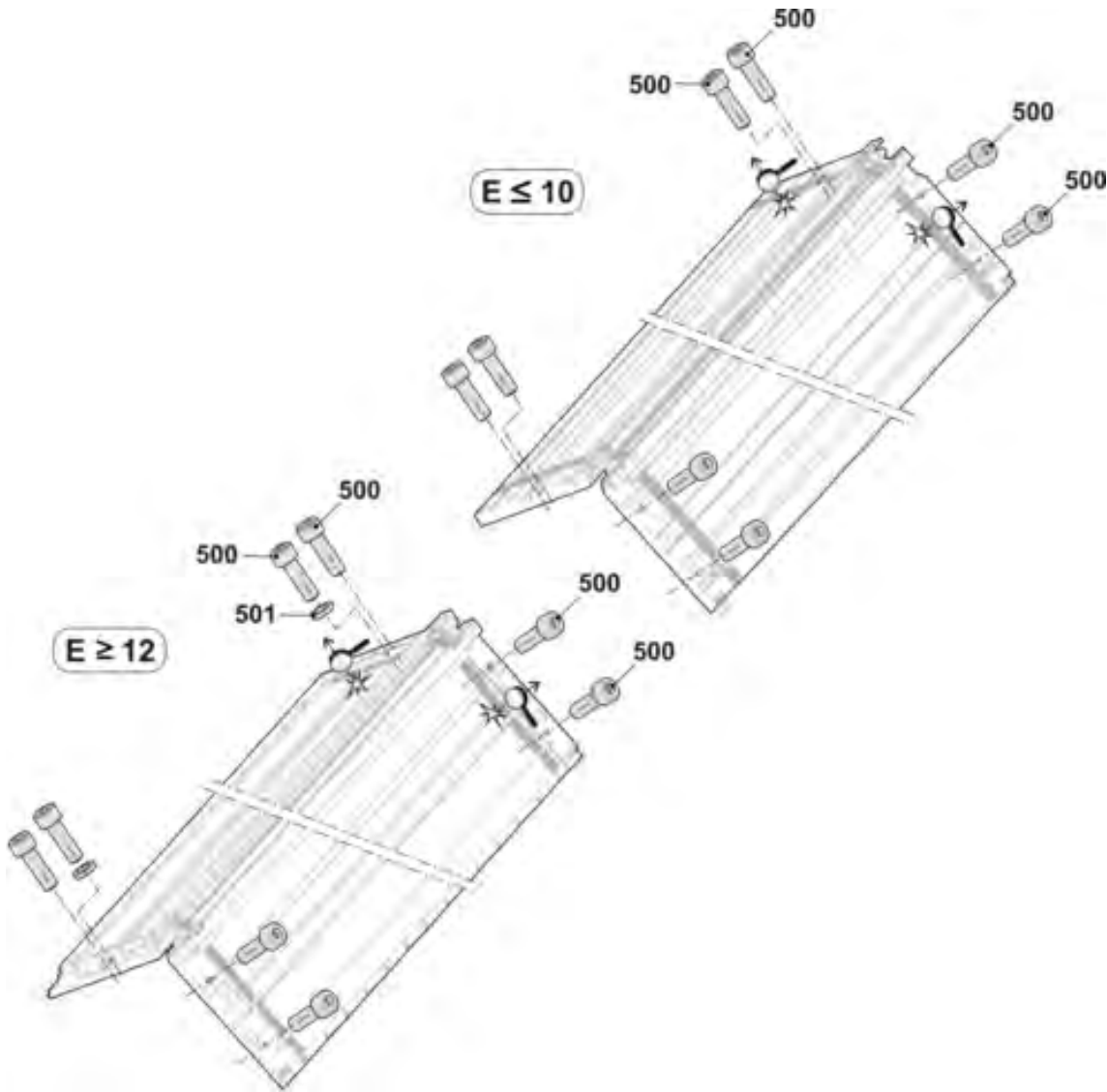
3.10 Continuation needle bed E9.2

Pos	Designation		Id		Pos	Designation		Id
2	Locating wire ø3.4		218 674					
6	Intermediate rail E9.2		251 092		26	Spacer sheet metal trick wall E9.2		241 230
13	Limiter on the left complete E5.2-9.2		236 976		29	Strip guide		237 177
	13a	Limiter on the left E5.2-9.2	235 175		30	Guide		233 023
	13b	Springy thrust piece B-M6	023 897		31	Fixed wire ø1.6		251 093
14	Limiter on the right complete E5.2-9.2		236 977		500	Cap screw M3X6		022 589
	14a	Limiter on the right E5.2-9.2	235 170		503	Cap screw M5x12		020 132
15	Spring steel wire ø0.8		234 947		40*	Plate brush ø18		230 744
16	Spring steel wire ø 2.0		218 676		42*	Plate brush ø12		202 600
17	Locating wire ø2.8		218 730		540*	Cap screw M5x12		020 032
22	Intermediate rail E9.2		251 092		541*	Washer 5.3x18x1.5		020 909



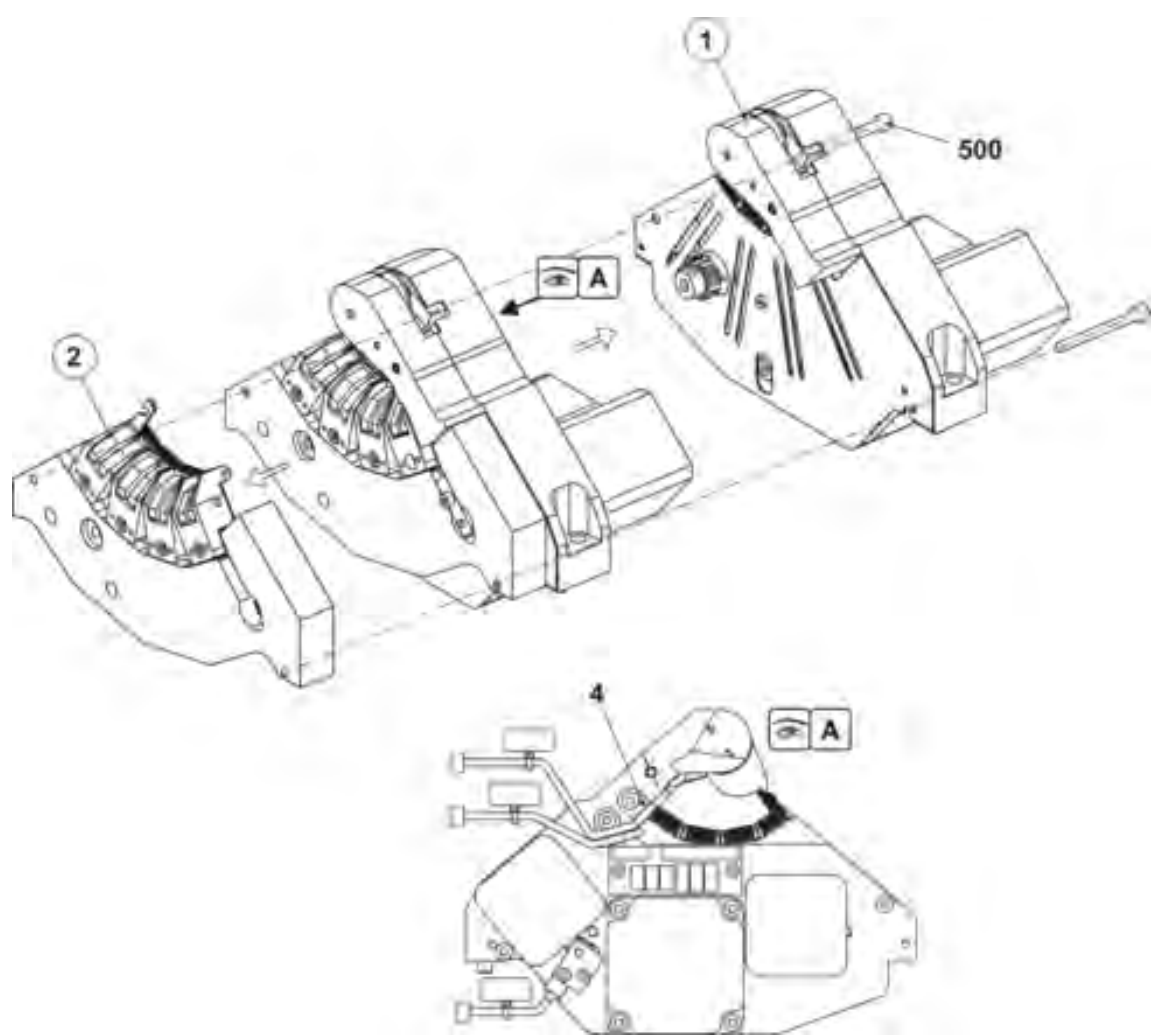
3.11 Needle beds, fixing elements

Pos	Designation	Id		Pos	Designation	Id
Σ	Fixing elements					
500	Cap screw M8x25	020 142		501	U-washer	214 040



3.12 Clamping/cutting unit

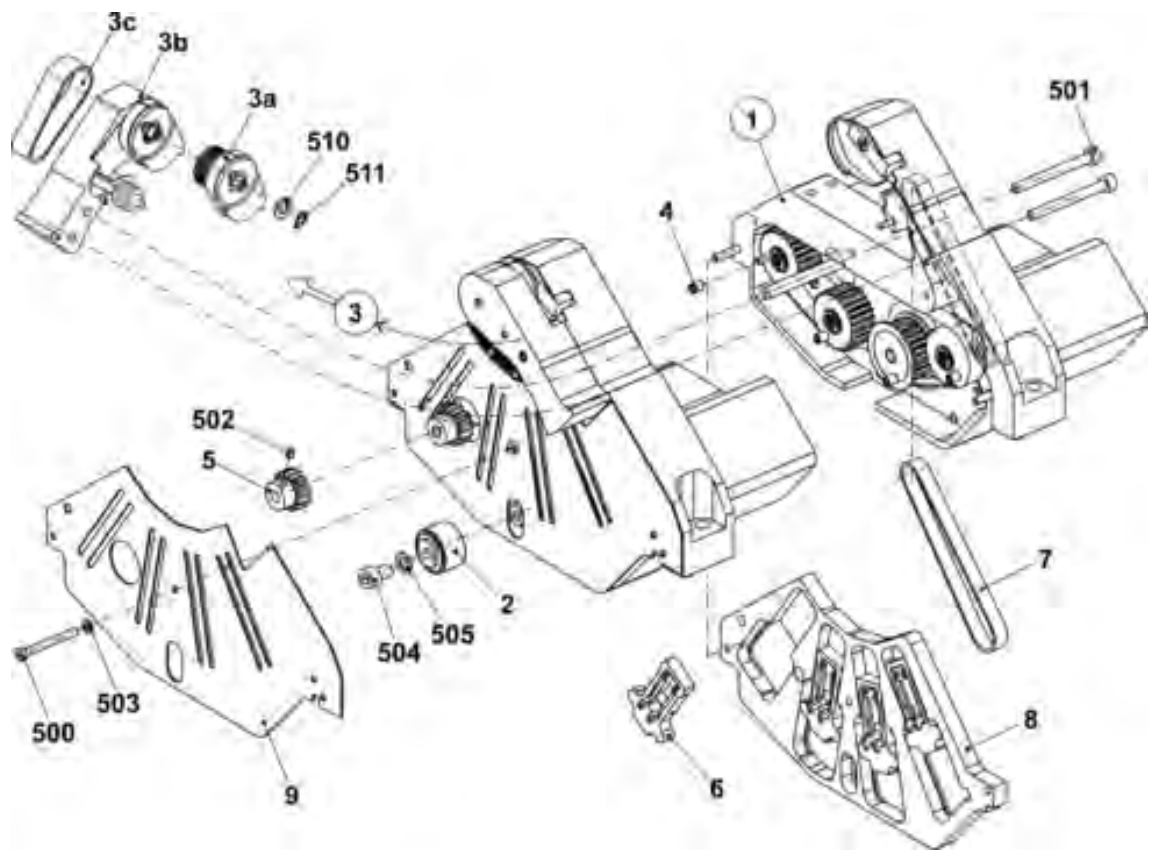
Pos	Designation	Id		Pos	Designation	Id
Σ	Clamping/cutting complete	214 257				
1	Crankcase complete	214 188		4	Cable clip 225/3.2	008 321
2	Selection housing complete	214 256		500	Cap screw M4X45	023 419



3.12 Clamping/cutting unit

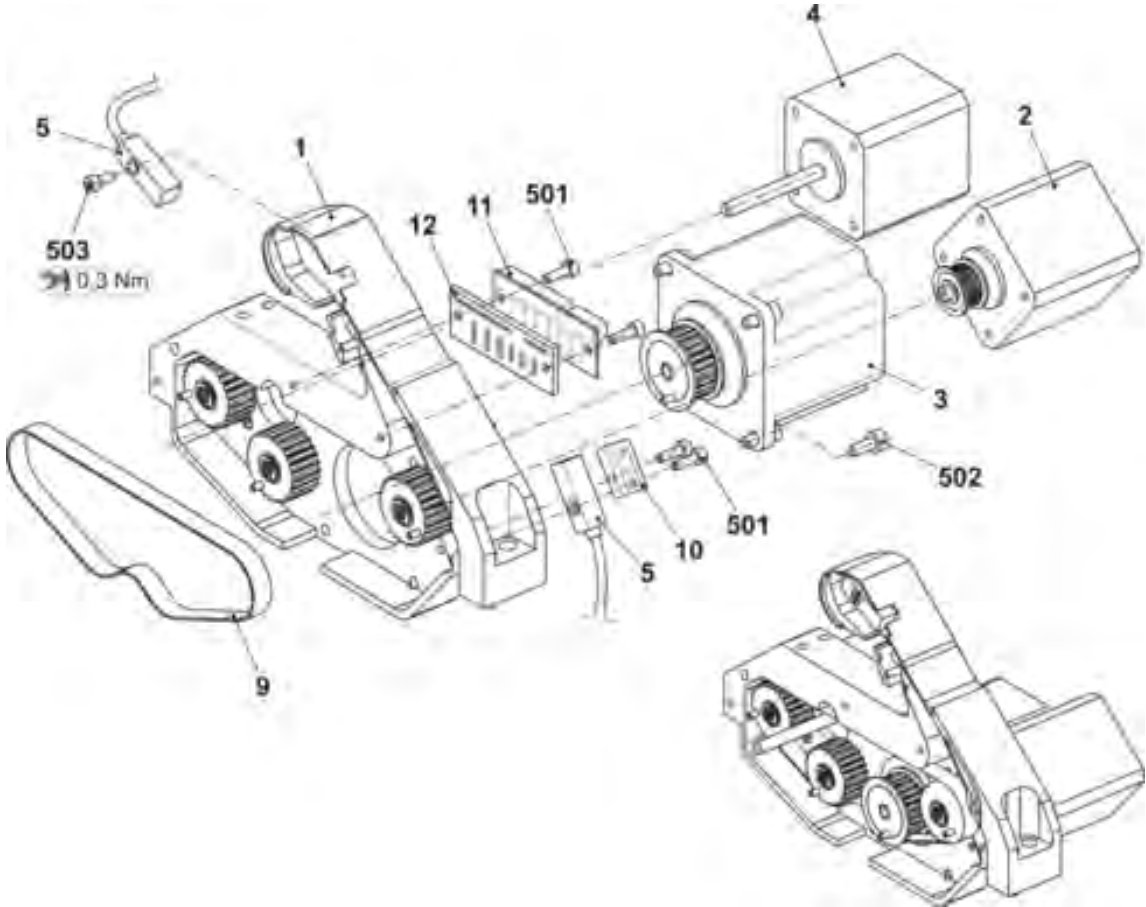
3.12.1 Crankcase

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 belt 6M182	213 890
3	Finger support complete	235 501		8	Guide 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 belt 6M111	213 889	501	Cap screw M4X40	023 095
	510	U-washer A5.3	020 871	502	Grub screw M3x4-45H	022 674
	511	Locking ring 68x2.5	023 347	503	U-washer 3,2	020 877
4	Sleeve	214 240		504	Cap screw M5x8	023 319
5	Spur gear	213 893		505	U-washer	020 880



3.12.2 Crankcase with drive

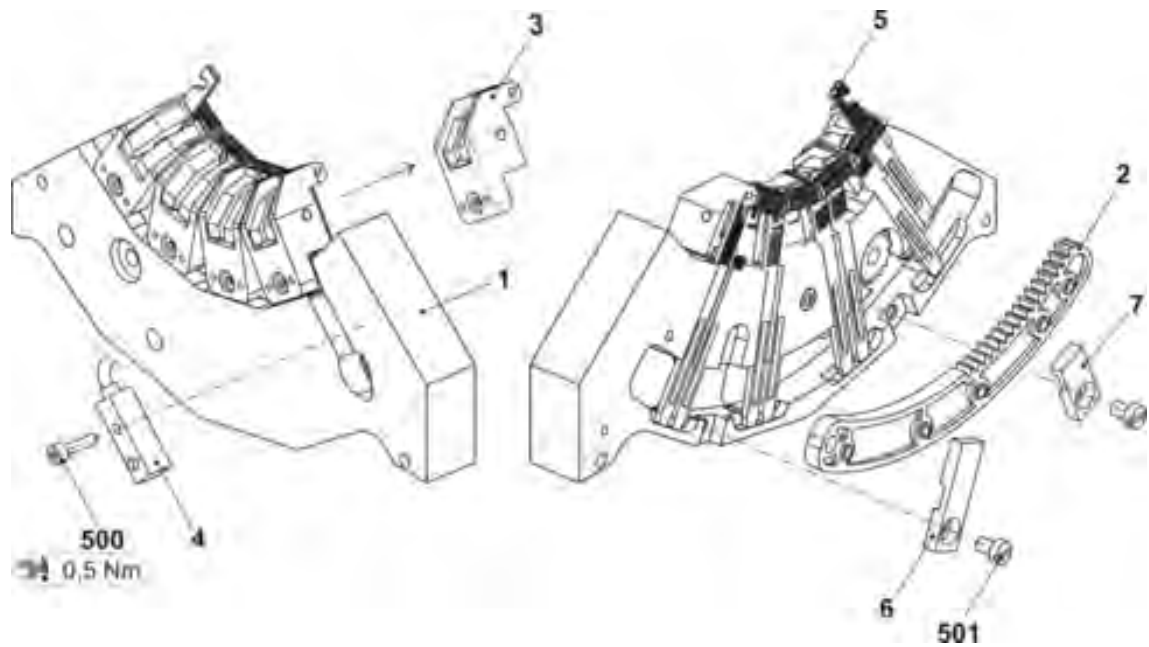
Pos	Designation	Id		Pos	Designation	Id
Σ	Crankcase	215 078				
1	Crankcase	214 182		10	Sensor switch	213 721
2	Transport segment motor complete	213 815		11	Connector board	222 822
3	Step motor complete	213 819		12	Insulating plate	222 933
4	Step motor PK245	213 732		501	Cap screw M3X10	022 991
5	Proximity switch inductive	222 821		502	Cap screw M4X10	023 136
9	Toothed belt 80S3M300NG	213 891		503	Cap screw M3x8	022 582



3.12 Clamping/cutting unit

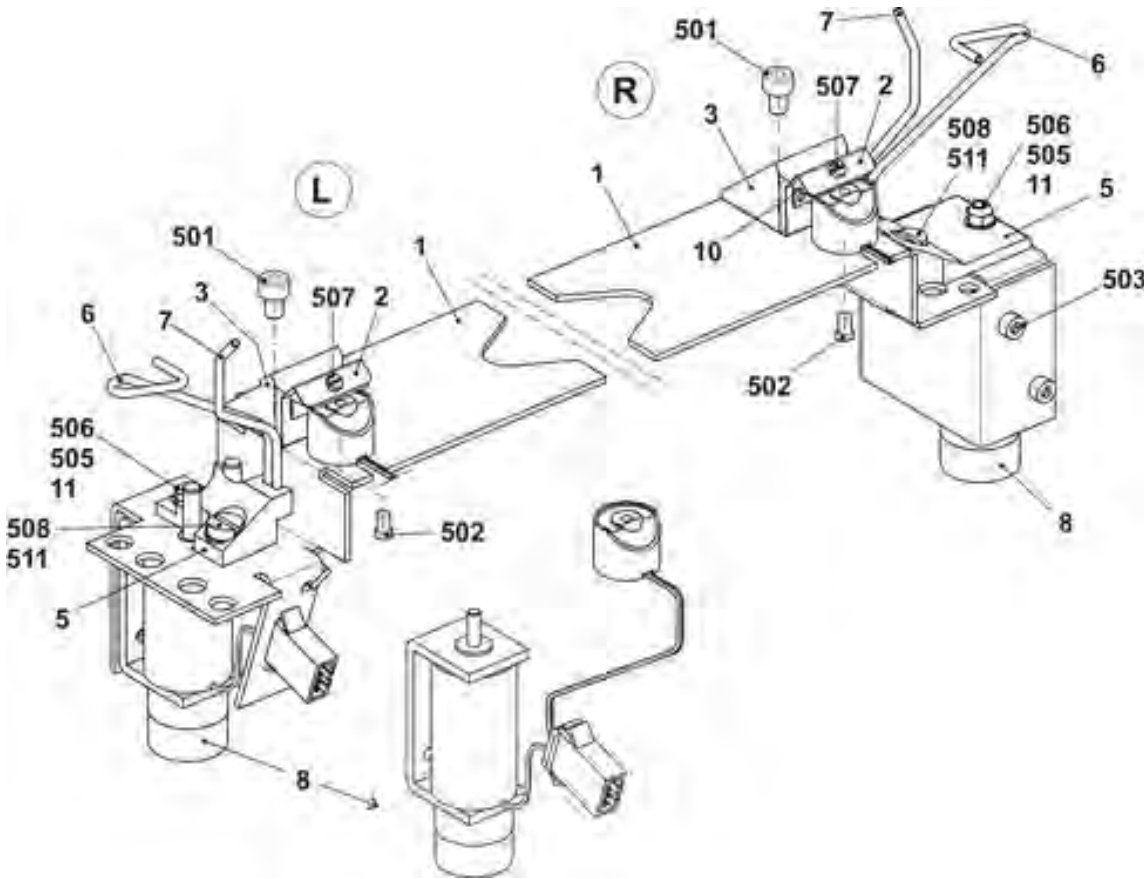
3.12.3 Selection housing

Pos	Designation	Id		Pos	Designation	Id
Σ	Selection housing complete	214 256		5	Clamping/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



3.13 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	Slide	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 part	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	U-washer 3	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	U-washer 4	022 481



3.13 Thread clamp

Notes:

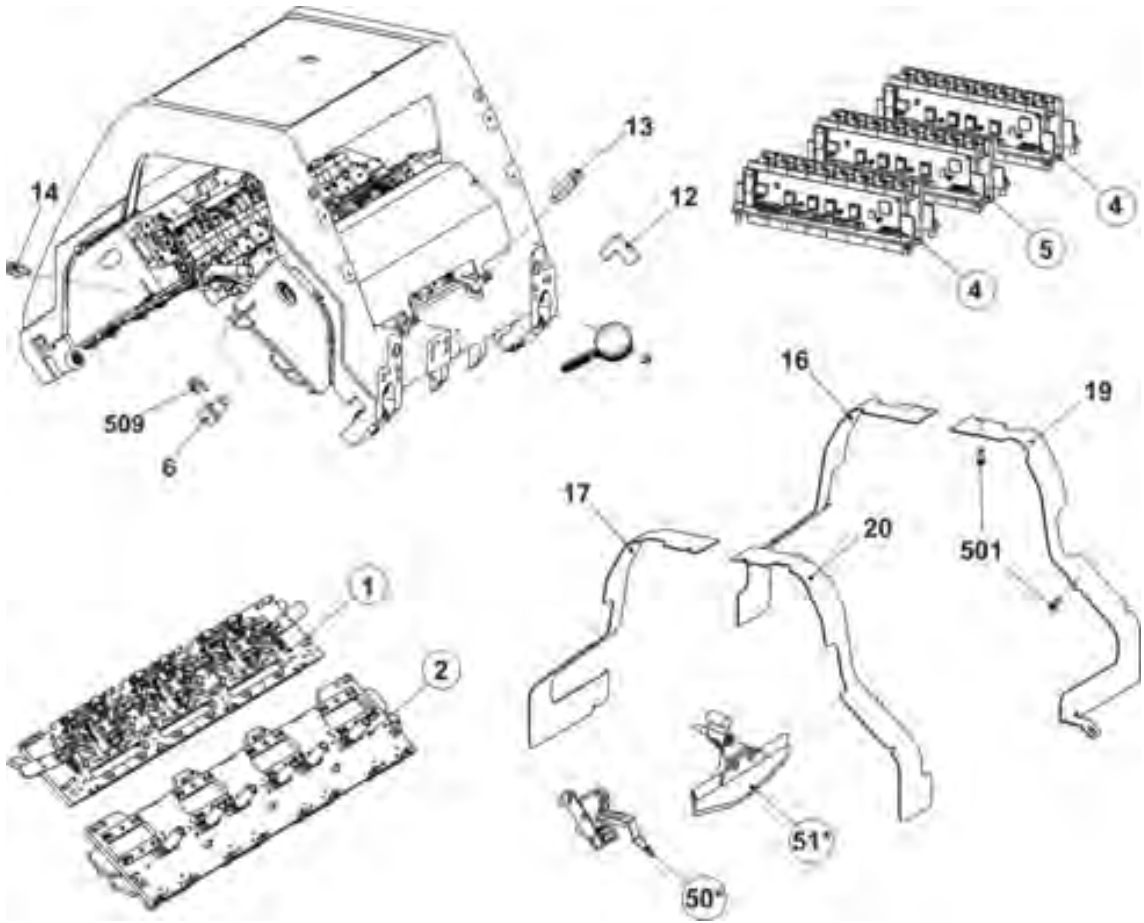
4 Carriage



4.1 Overview of carriage

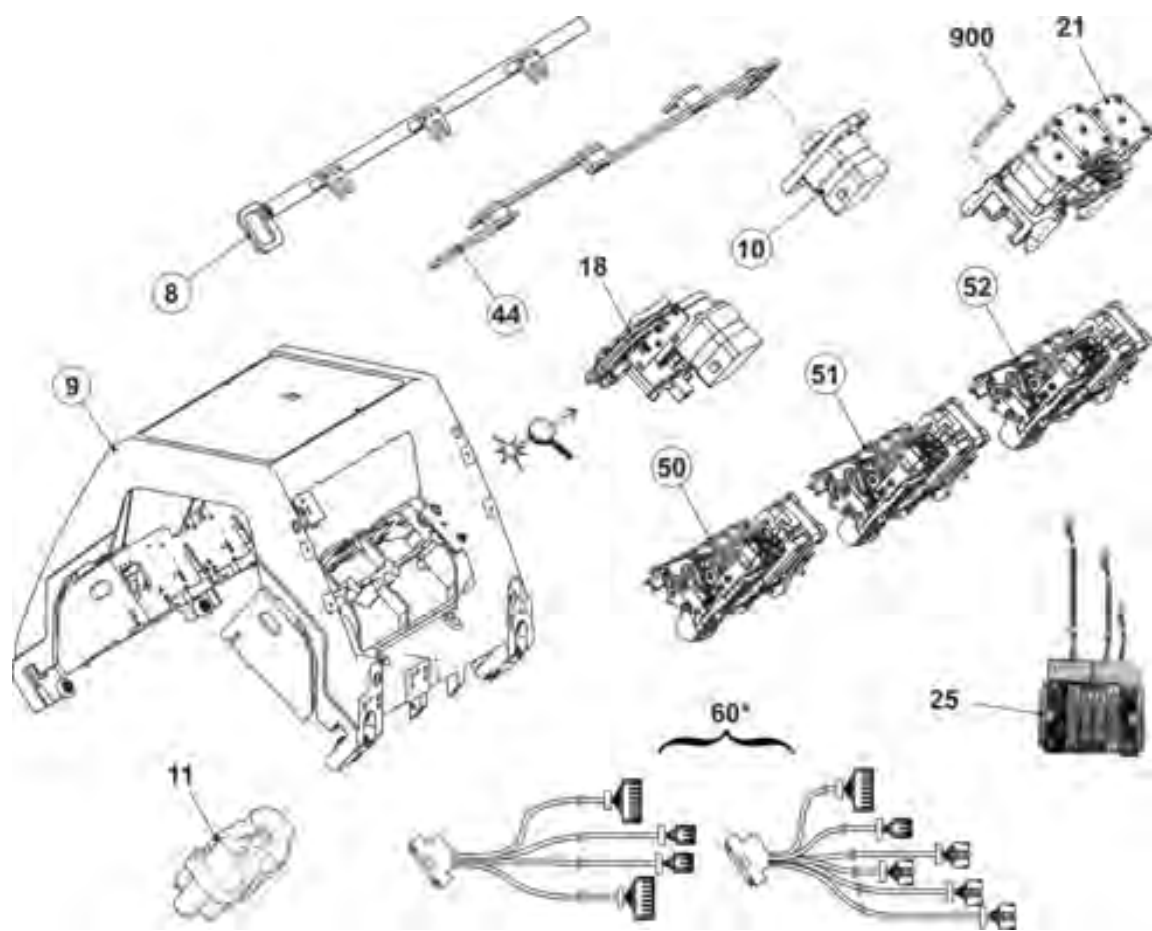
4.1 Overview of carriage

Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage complete E3,5.2	256 455		12	Wiper felt	241 411
	Carriage complete E5.2	256 456		13	Bolts	212 204
	Carriage complete E6.2	256 648		14	Bolts	212 392
	Carriage complete E7.2	256 649		16	Cover plate on the left	250 274
	Carriage complete E9.2	256 650		17	Cover plate on the right	250 275
1	Needle cam complete			19	Guide plate at the rear on the left	245 323
	E3,5.2+5.2	256 416		20	Guide plate at the rear on the right	245 324
	E6.2+7.2	236 143		501	Cap screw M4X10	023 136
	E9.2	241 976		509	Circlip 3.2	021 019
2	Jack cam box complete	236 199		50*	Needle detector complete	237 050
	Jack cam box complete E9.2	254 294		51*	Brush holder complete	
4	YC driving outside complete	241 080			E3,5.2+5.2	243 077
5	YC driving in the middle complete	241 081			E6.2+7.2	235 410
6	Eccentric	244 520			E9.2	243 076



4.2 Overview of carriage, continuation

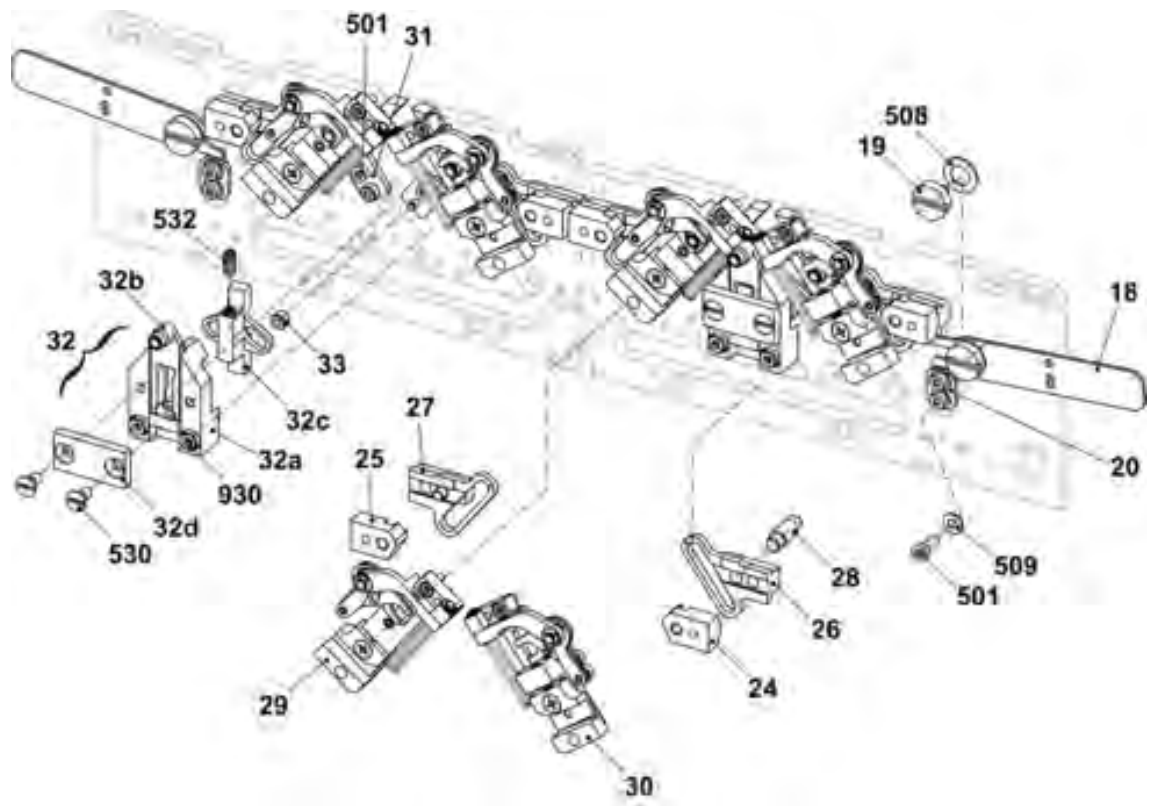
Pos	Designation	Id	Pos	Designation	Id
Σ	Carriage complete		50	Control unit jack/presser foot on the left	
	E3,5.2	256 455		E3,5.2	255 109
	E5.2	256 456		E5.2	254 513
	E6.2	256 648		E6.2	254 437
	E7.2	256 649		E7.2	253 972
	E9.2	256 650		E9.2	254 242
8	Sliding rod complete	236 101	51	Control unit jack/presser foot in the middle	
9	Carriage assembly 3 cam boxes complete	256 498		E3,5.2	255 123
10	Control unit brush	236 102		E5.2	254 512
11	Selection system complete			E6.2	254 436
	E2-8 (E3,5.2)	216 218		E7.2	253 973
	E10-12 (E5.2+6.2)	216 219		E9.2	254 243
	E18 (E9.2)	229 300	52	Control unit jack/presser foot on the right	
	E16-18 (E9.2)	220 114		E3,5.2	255 110
18	Pressure part control complete			E5.2	254 514
	E3,5.2/E5.2/E6.2/E7.2	253 197		E6.2	254 438
	E9.2	254 998		E7.2	253 974
21	Motor unit complete	236 121		E9.2	254 244
25	Distributor complete 730S OKC	236 067	60*	Cable set carriage 730S	236 887
44	Sliding rod complete	242 046	900	Cap screw M4X45	023 419



4.2 Overview of carriage, continuation

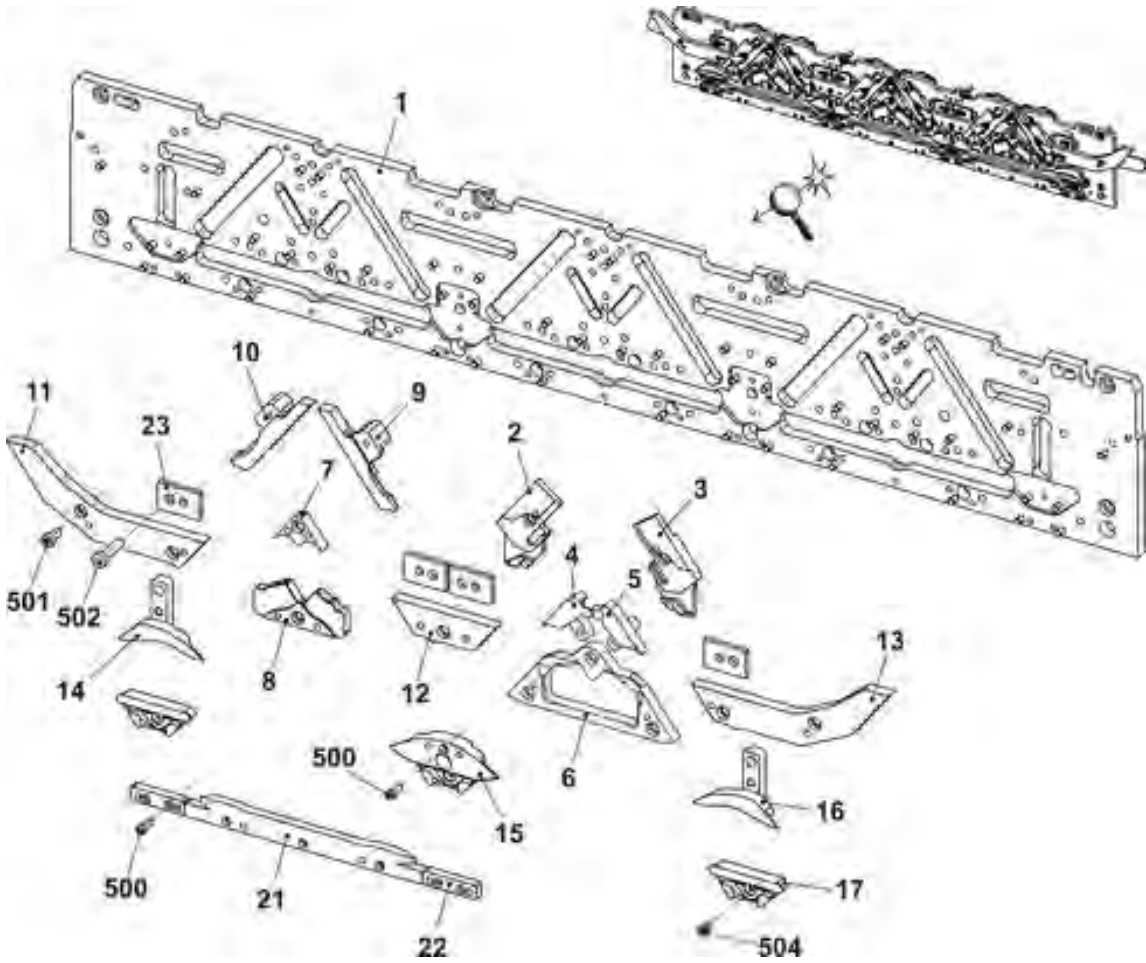
4.2.1 Cams E3,5.2 | E5.2 (Top side)

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle cam box complete E3,5.2 + 5.2	256 416		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	Countersunk screw M4x8	020 294
26	Slider on the right 2nd stitch tension	235 230		532	Compression spring 060x3.23x12.5	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 forming unit on the left	238 699		501	Cap screw M4x8	020 091
30	Loop forming unit on the right	238 700		508	Shim ring 8x14x0.5	023 501
31	Bearing plate	235 548		509	U-washer 4	020 879



4.2.2 Cams E3,5.2 | E5.2 (Lower side)

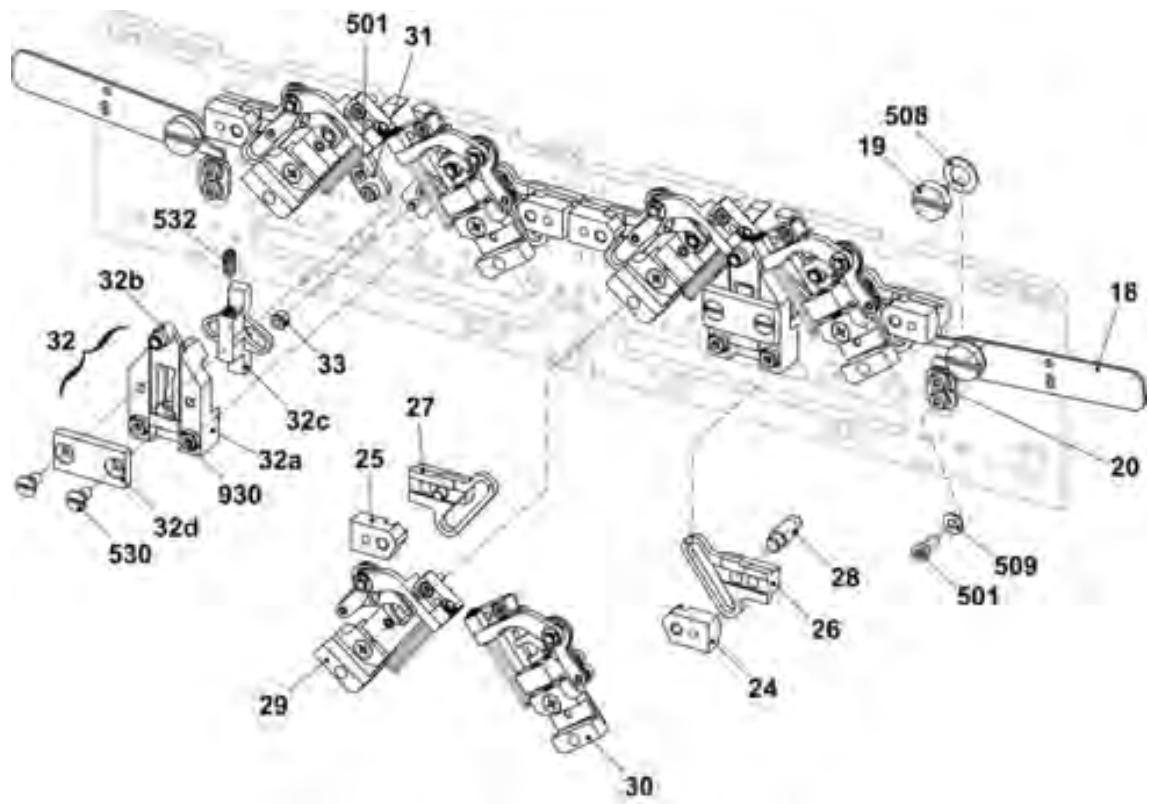
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle cam box complete E3,5.2 + 5.2	256 416				
1	Cam plate knitting	235 796		13	Entry cam on the right at the top	253 266
2	Stitch cam on the left E3,5.2 + 5.2	253 206		14	Entry cam at the bottom on the left	235 457
3	Stitch cam on the right E3,5.2 + 5.2	253 207		15	Knitting position cam in the middle	236 440
4	Switching part on the left E3,5.2 + 5.2	237 895		16	Entry cam at the bottom on the right	235 459
5	Switching part on the right E3,5.2 + 5.2	237 896		17	Knitting position cam	235 460
6	Knitting raising cam E3,5.2 + 5.2	254 156		21	Pressure strip	235 701
7	Transfer cam E3,5.2 + 5.2	237 898		22	Limit cam at the bottom	235 702
8	Receiving cam E3,5.2 + 5.2	254 157		23	Guide plate	235 223
9	Stitch cam on the left 2nd stitch tension E5.2	253 210		500	Cap screw M3x8	020 081
10	Stitch cam on the right 2. tension complete E5.2	253 211		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	Countersunk screw M3x6	020 286



4.2 Overview of carriage, continuation

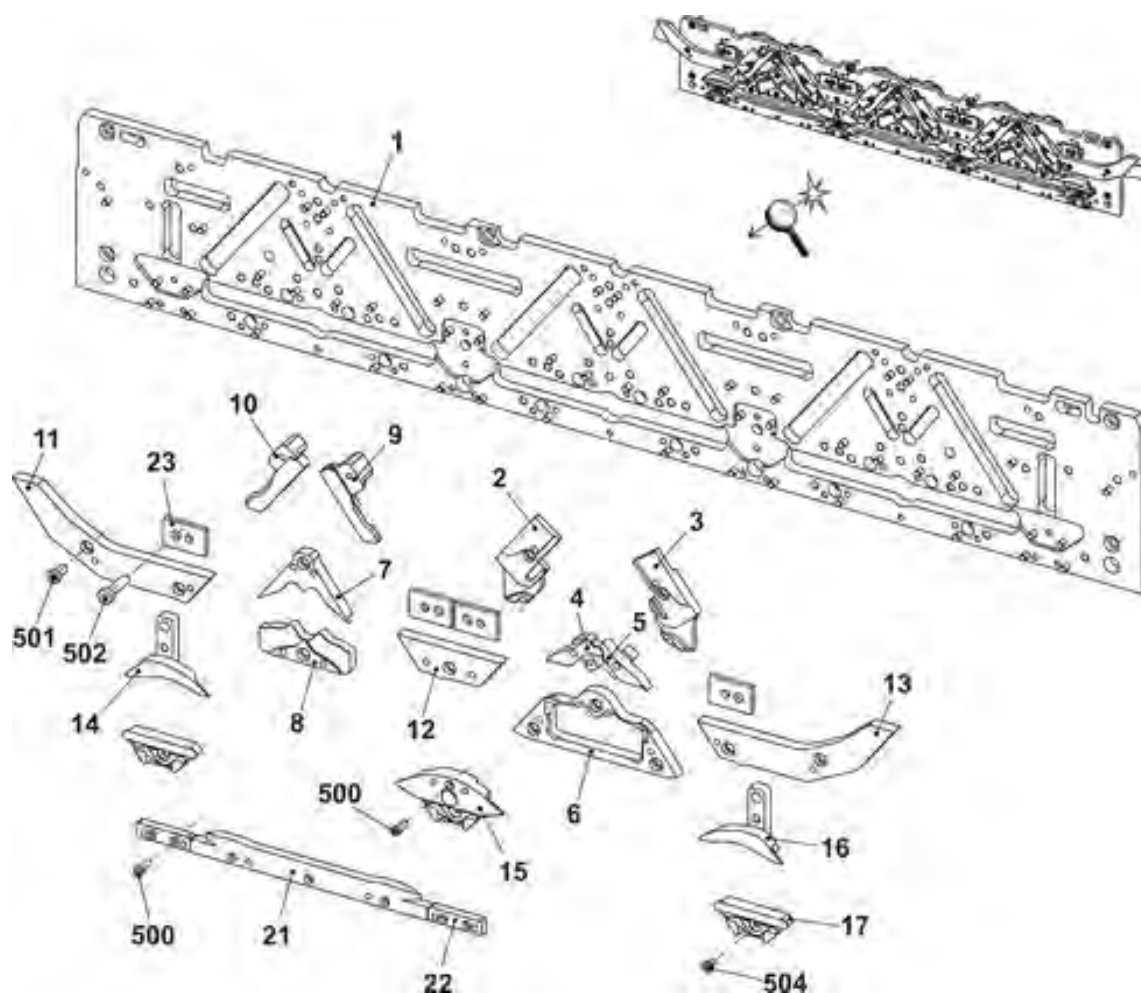
4.2.3 Cams E6.2 | E7.2 (Top side)

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle cam complete E6.2 + 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	Countersunk screw M4x8	020 294
26	Slider on the right 2nd stitch tension	235 230		532	Compression spring 060x3.23x12.5	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 forming unit on the left	238 699		501	Cap screw M4x8	020 091
30	Loop forming unit on the right	238 700		508	Shim ring 8x14x0.5	023 501
31	Bearing plate	235 548		509	U-washer 4	020 879



4.2.4 Cams E6.2 | E7.2 (Lower side)

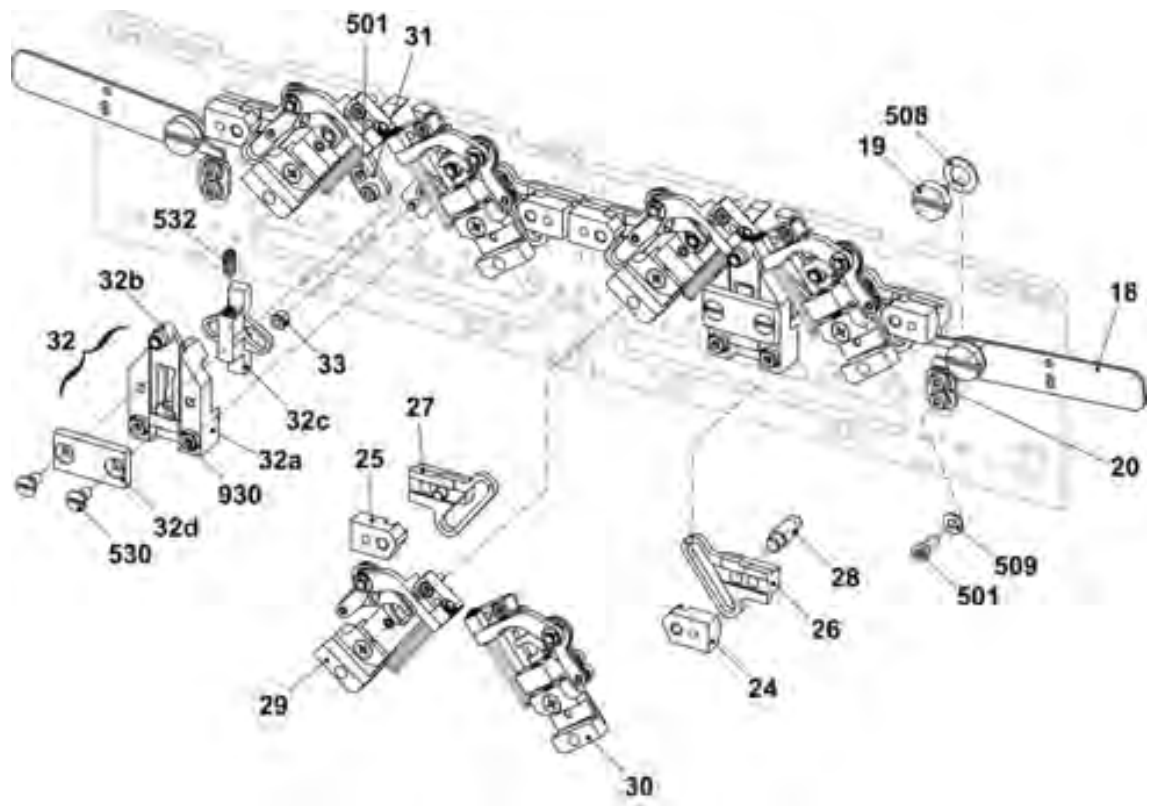
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle cam complete E6.2 + 7.2	236 143				
1	Cam plate knitting	235 796		13	Entry cam on the right at the top	253 266
2	Stitch cam on the left E6.2 + 7.2	253 367		14	Entry cam at the bottom on the left	235 457
3	Stitch cam on the right E6.2 + 7.2	253 368		15	Knitting 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	Knitting raising cam E6.2 + 7.2	251 853		21	Pressure strip	235 701
7	Transfer cam E6.2 + 7.2	235 429		22	Limit cam at the bottom	235 702
8	Receiving cam E6.2 + 7.2	251 854		23	Guide plate	235 223
9	Stitch cam on the left 2nd stitch tension co. E6.2+7.2	253 128		500	Cap screw M3x8	020 081
10	Stitch cam on the right 2nd stitch tension co. 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	Countersunk screw M3x6	020 286



4.2 Overview of carriage, continuation

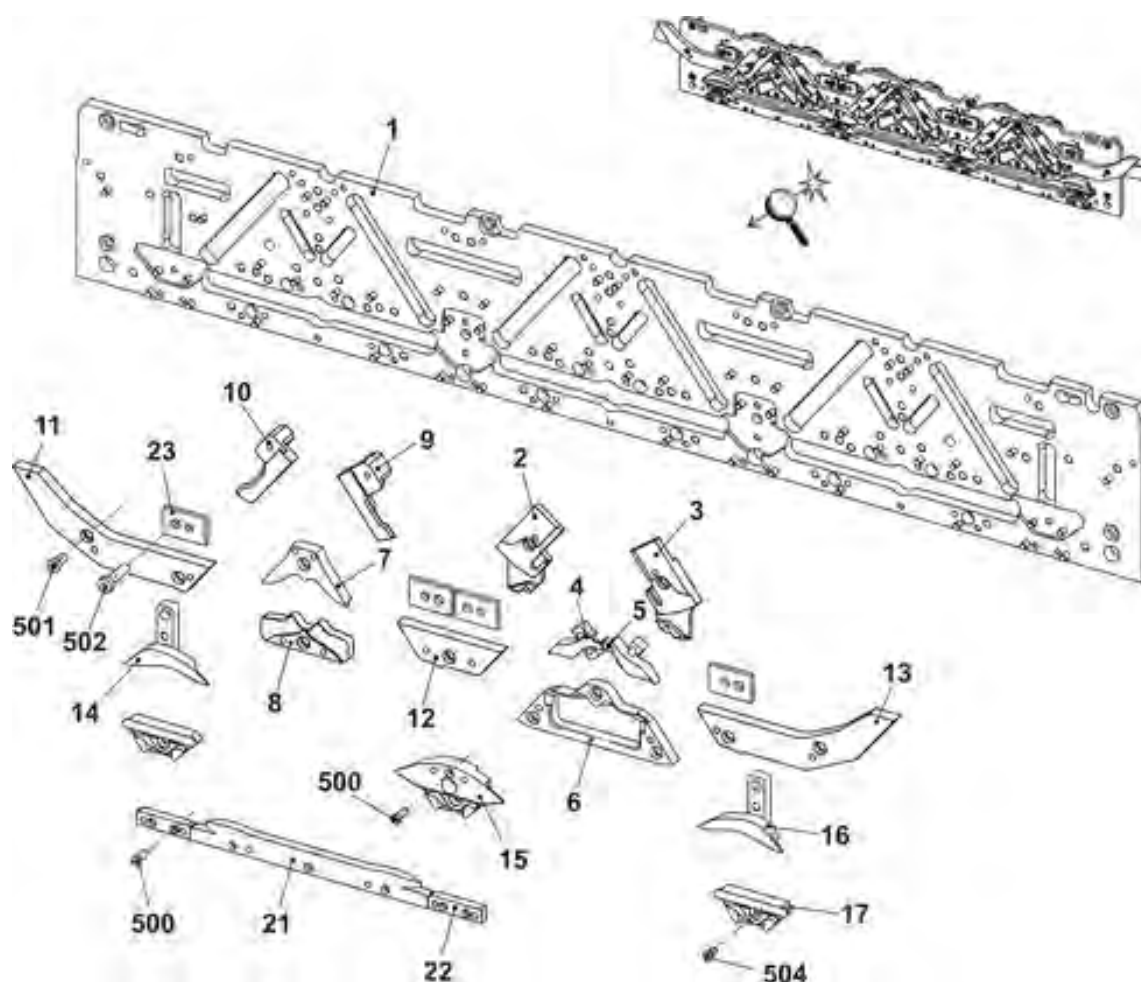
4.2.5 Cams E9.2 (Top side)

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle cam complete E9.2	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	Countersunk screw M4x8	020 294
26	Slider on the right 2nd stitch tension	235 230		532	Compression spring 060x3.23x12.5	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 forming unit on the left	238 699		501	Cap screw M4x8	020 091
30	Loop forming unit on the right	238 700		508	Shim ring 8x14x0.5	023 501
31	Bearing plate	235 548		509	U-washer 4	020 879



4.2.6 Cams E9.2 (bottom side)

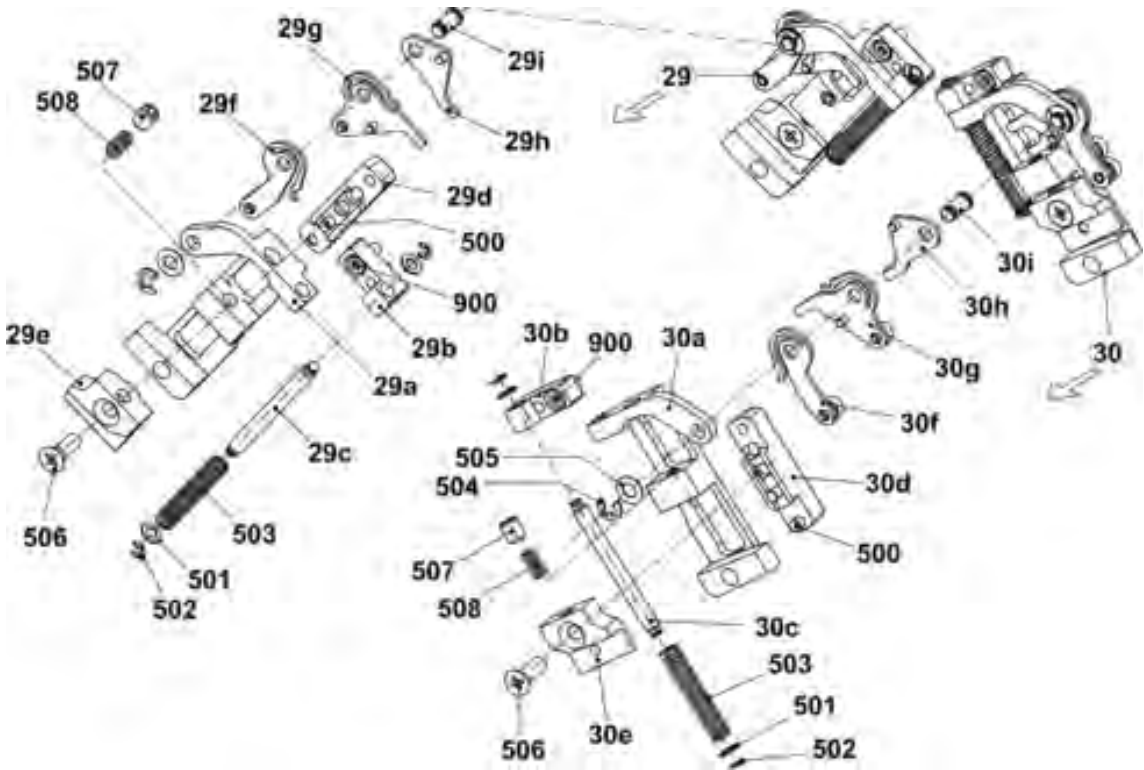
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle cam complete E9.2	241 976				
1	Cam plate knitting	235 796		13	Entry cam on the right at the top	253 266
2	Stitch cam on the left E9.2	252 553		14	Entry cam at the bottom on the left	235 457
3	Stitch cam on the right E9.2	252 554		15	Knitting position cam 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	Knitting raising cam E9.2	252 779		21	Pressure strip	235 701
7	Transfer cam E9.2	241 435		22	Limit cam at the bottom	235 702
8	Receiving cam E9.2	253 342		23	Guide plate	235 223
9	Stitch cam on the left 2nd stitch tension co. E9.2	253 130		500	Cap screw M3x8	020 081
10	Stitch cam on the right 2nd stitch tension co. 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	Countersunk screw M3x6	020 286



4.2 Overview of carriage, continuation

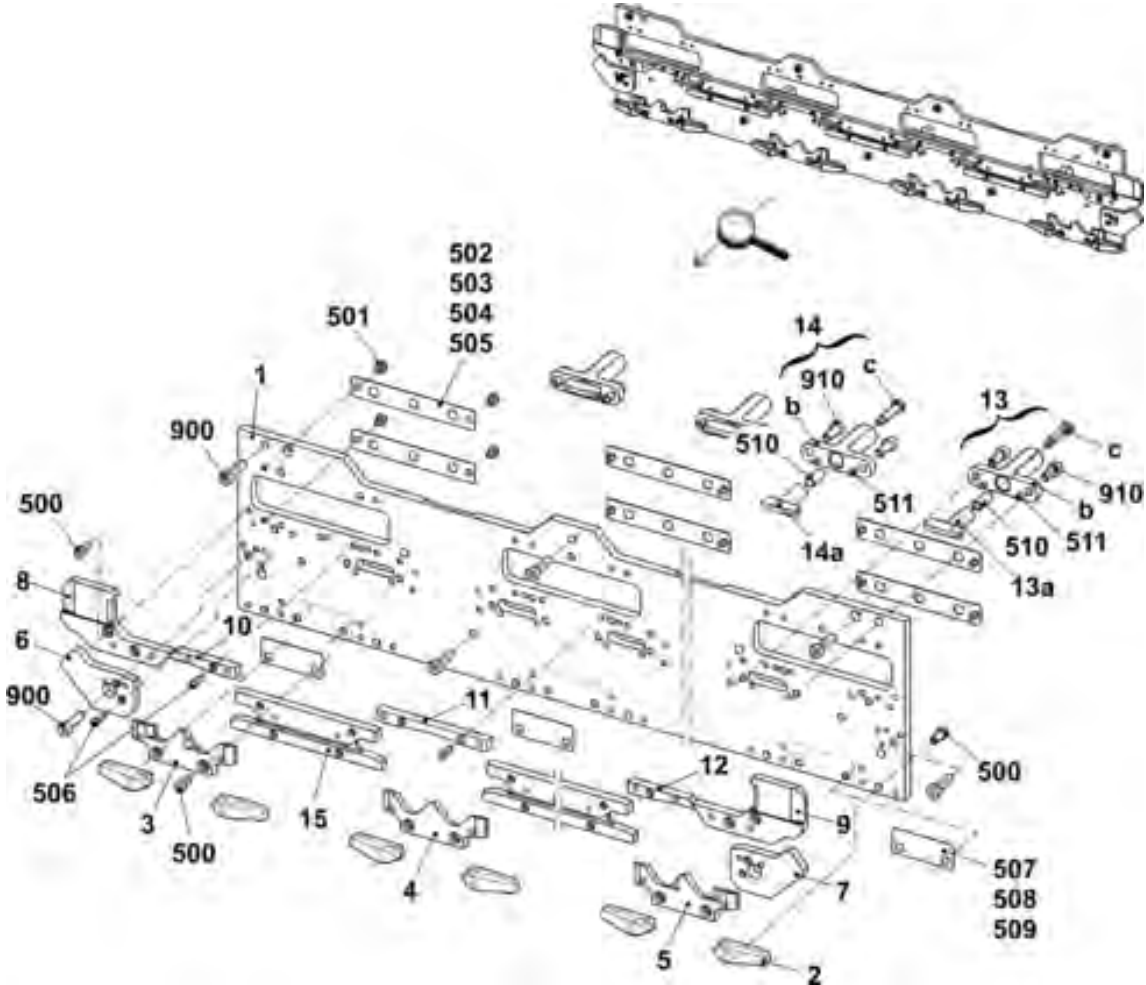
4.2.7 Loop forming cam on the left and right

Pos	Designation	Id		Pos	Designation	Id
29	Loop forming cam on the left	238 699		30	Stitch forming cam on the right complete E5 - E10	238 700
29a	Loop forming cam on the left	235 753		30a	Stitch forming cam on the right complete E5 - E10	235 232
29b	Rod guidance part	235 229		30b	Rod guidance 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	Bolts	235 238		30i	Bolts	235 238
500	Setting pin 3x6	020 642		500	Setting pin 3x6	020 642
501	U-washer 3	020 877		501	U-washer 3	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	Countersunk screw M3x10	023 075		506	Countersunk screw M3x10	023 075
507	Set screw M5x6	022 580		507	Set screw 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



4.2.8 Jack cam box (E3,5.2 | E5.2 | E6.2 | E7.2)

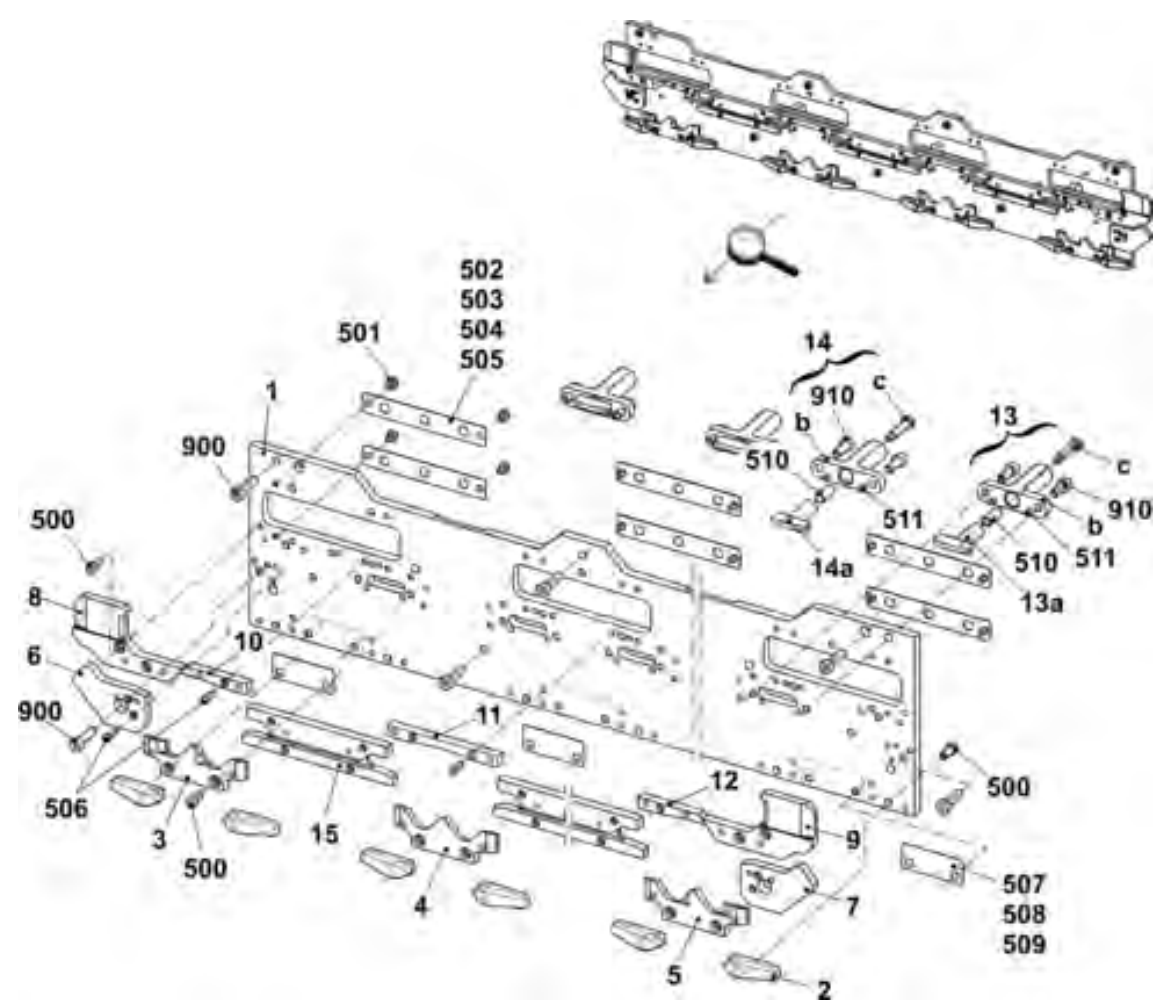
Pos	Designation		Id		Pos	Designation		Id
Σ	Jack cam box complete		236 199		13	510	Compression spring 0.40x5.00x23.70	236 951
1	Cam plate selection		235 795			511	Setting pin 3x8	020 644
2	Offering cam		229 906			910	Cap screw M4X10	023 136
3	Selector cam on the left		235 961		14	Limit cam on the left complete		236 966
4	Selector cam		235 762			14a	Limit cam on the left	236 009
5	Selector cam on the right		235 962		15	Limit 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	Countersunk screw M3x4		023 142
8	Cam on the left		237 590		502	Shim 0,03x12x75		022 828
9	Cam part at the right		237 591		503	Shim 0,05x12x75		022 829
10	Limit cam on the left		241 722		504	Shim 0,10x12x75		022 830
11	Limit cam in the middle		241 723		505	Shim 0,05x12x75		022 831
12	Limit cam on the right		241 724		506	Cap screw M3x8		020 081
13	Limit cam on the right complete		236 965		507	Shim selection cam 0.05		242 495
	13a	Limit cam on the right	236 008		508	Shim selection cam 0.1		242 496
	b	Guidance	236 006		509	Shim selection cam 0.2		242 497
	c	Shoulder screw	236 004		900	Cap screw M4x16		020 131



4.2 Overview of carriage, continuation

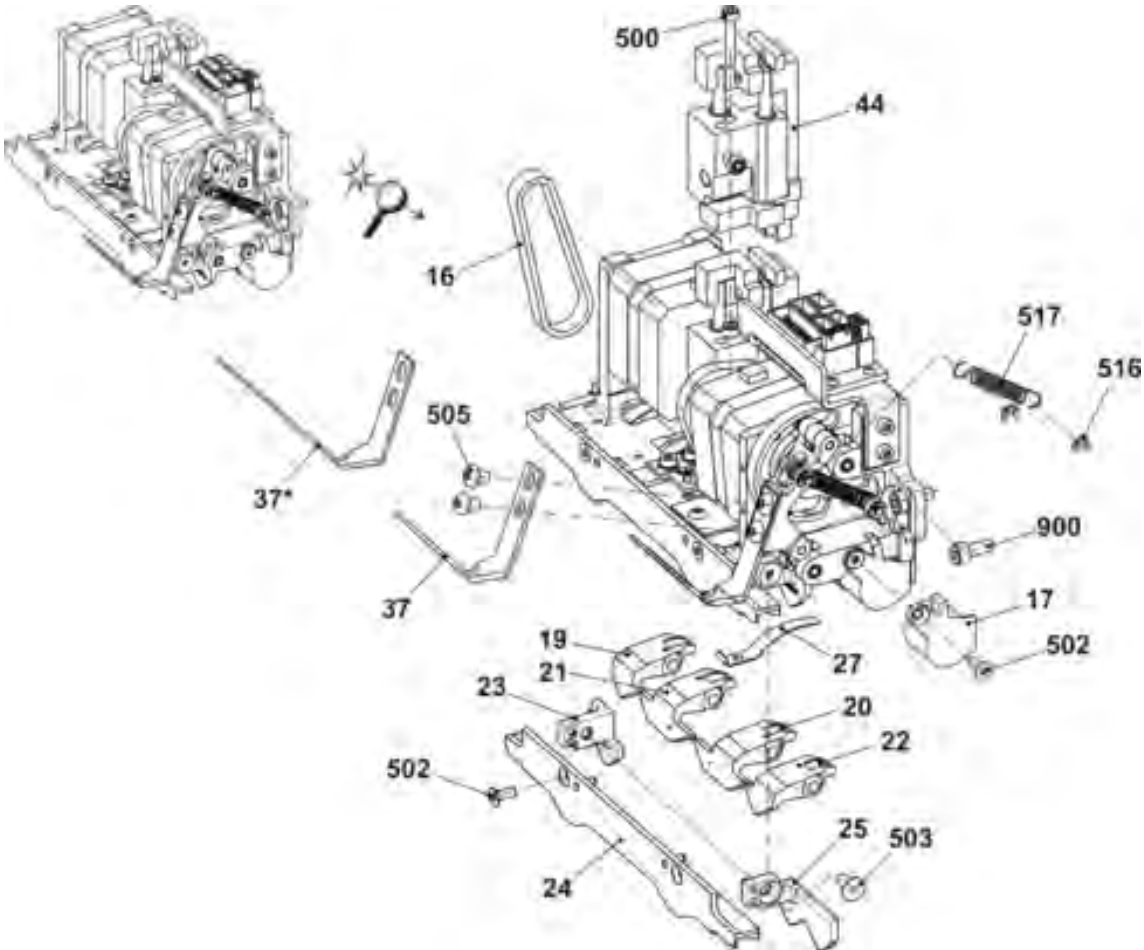
4.2.9 Jack cam box E9.2

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	Setting pin 3x8	020 644
2	Offering cam		229 906			910	Cap screw M4X10	023 136
3	Selector cam on the left		242 347		14	Limit cam on the left complete		236 966
4	Selector cam		242 348			14a	Limit cam on the left	236 009
5	Selector cam on the right		242 349		15	Limit 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	Countersunk screw M3x4		023 142
8	Cam on the left		237 590		502	Shim 0,03x12x75		022 828
9	Cam part at the right		237 591		503	Shim 0,05x12x75		022 829
10	Limit cam on the left		241 722		504	Shim 0,10x12x75		022 830
11	Limit cam in the middle		241 723		505	Shim 0,05x12x75		022 831
12	Limit cam on the right		241 724		506	Cap screw M3x8		020 081
13	Limit cam on the right complete		236 965		507	Shim selection cam 0.05		242 495
	13a	Limit cam on the right	236 008		508	Shim selection cam 0.1		242 496
	b	Guidance	236 006		509	Shim selection cam 0.2		242 497
	c	Shoulder screw	236 004		900	Cap screw M4x16		020 131



4.2.10 Control unit jack/presser foot on the left E3,5.2

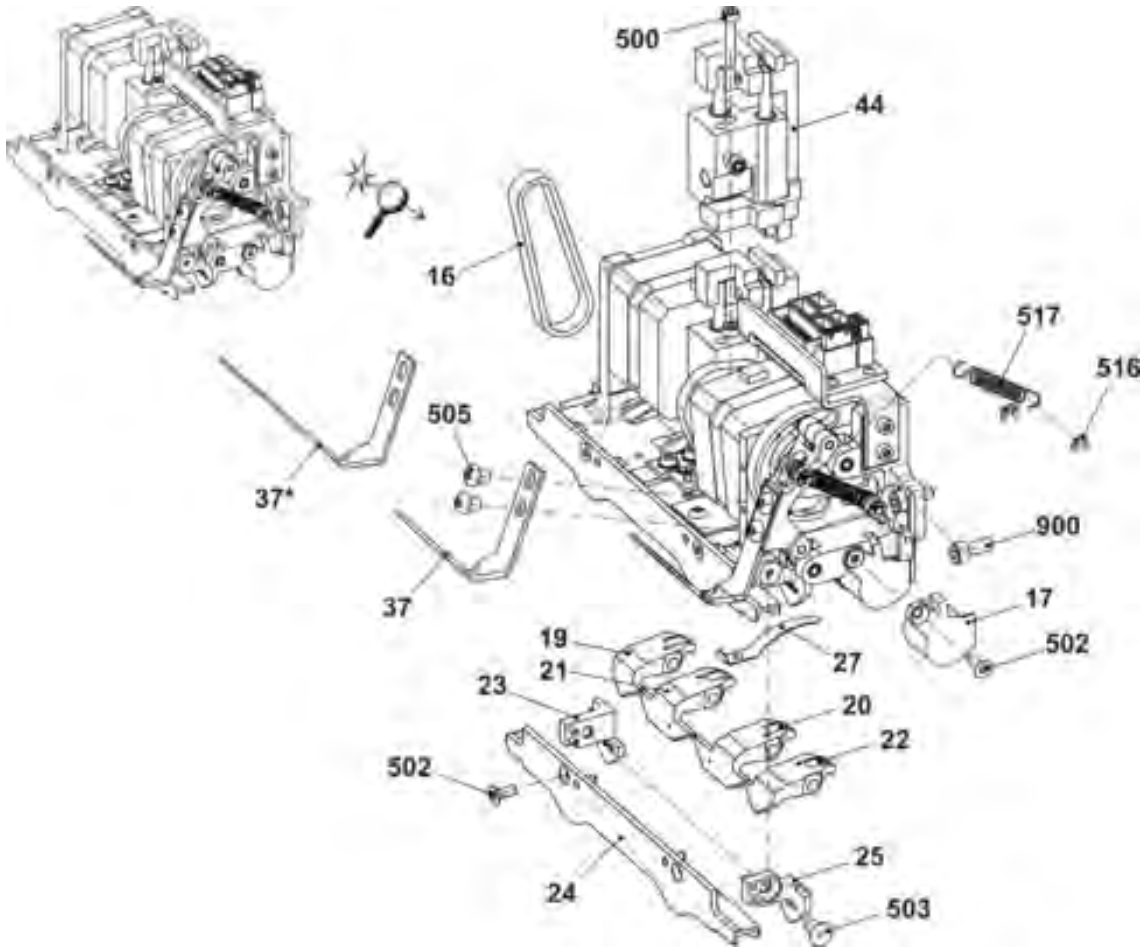
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot on the left E3,5.2	255 109				
16	Toothed belt	235 513		37	Presser foot E3,5.2-6.2	244 362
17	Cover	238 043		37*	Presser foot E3,5.2-6.2	237 328
19	Tilting lever knitting on the right E3,5.2	242 353		44	Guidance complete	242 265
20	Tilting lever transfer on the right E3,5.2	242 368		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E3,5.2	242 369		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E3,5.2	242 354		503	Countersunk screw M4x8	241 913
23	Slider on the right fixed inside E3,5.2	242 355		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E3,5.2	245 172		516	Circlip	021 018
25	Slider on the left at the outside E3,5.2	255 044		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



4.2 Overview of carriage, continuation

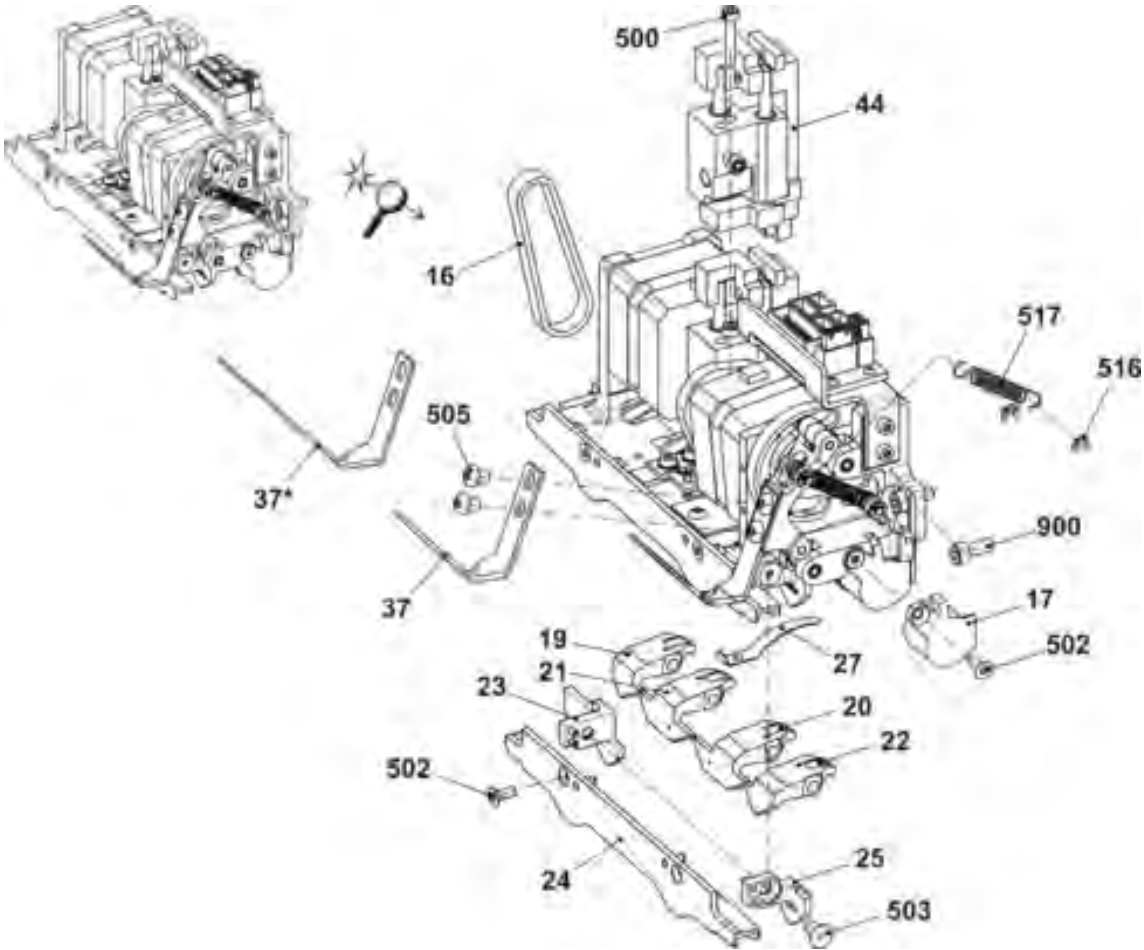
4.2.11 Control unit jack/presser foot middle E3,5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot in the middle E3,5.2	255 123				
16	Toothed belt	235 513		37	Presser foot E3,5.2-6.2	244 362
17	Cover	238 043		37*	Presser foot E3,5.2-6.2	237 328
19	Tilting lever knitting on the right E3,5.2	242 353		44	Guidance complete	242 265
20	Tilting lever transfer on the right E3,5.2	242 368		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E3,5.2	242 369		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E3,5.2	242 354		503	Countersunk screw M4x8	241 913
23	Slider on the right fixed inside E3,5.2	242 355		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E3,5.2	245 172		516	Circlip	021 018
25	Slider on the left fixed inside E3,5.2	242 357		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



4.2.12 Control unit jack/presser foot on the right E3,5.2

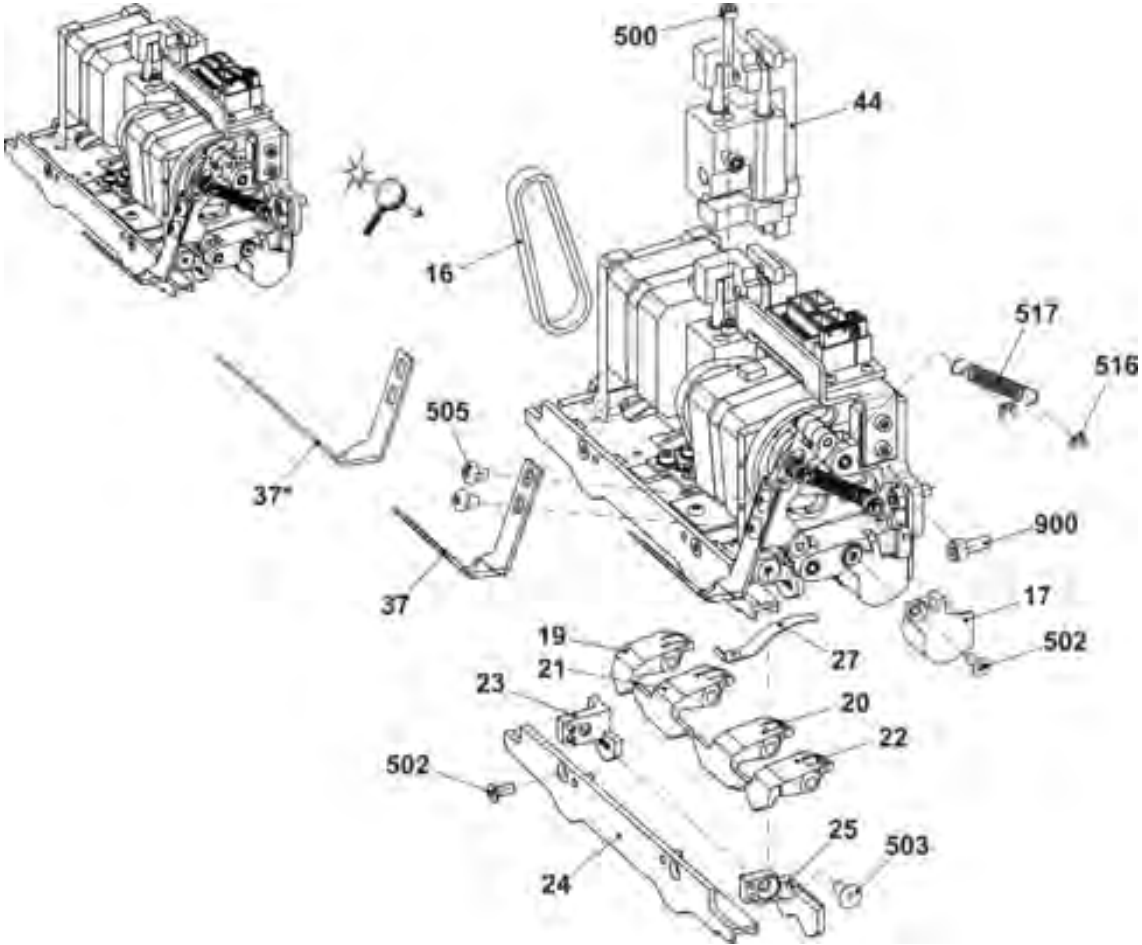
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot on the right E3,5.2	255 110				
16	Toothed belt	235 513		37	Presser foot E3,5.2-6.2	244 362
17	Cover	238 043		37*	Presser foot E3,5.2-6.2	237 328
19	Tilting lever knitting on the right E3,5.2	242 353		44	Guidance complete	242 265
20	Tilting lever transfer on the right E3,5.2	242 368		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E3,5.2	242 369		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E3,5.2	242 354		503	Countersunk screw M4x8	241 913
23	Slider on the right at the outside E3,5.2	255 045		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E3,5.2	245 172		516	Circlip	021 018
25	Slider on the left fixed inside	242 357		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



4.2 Overview of carriage, continuation

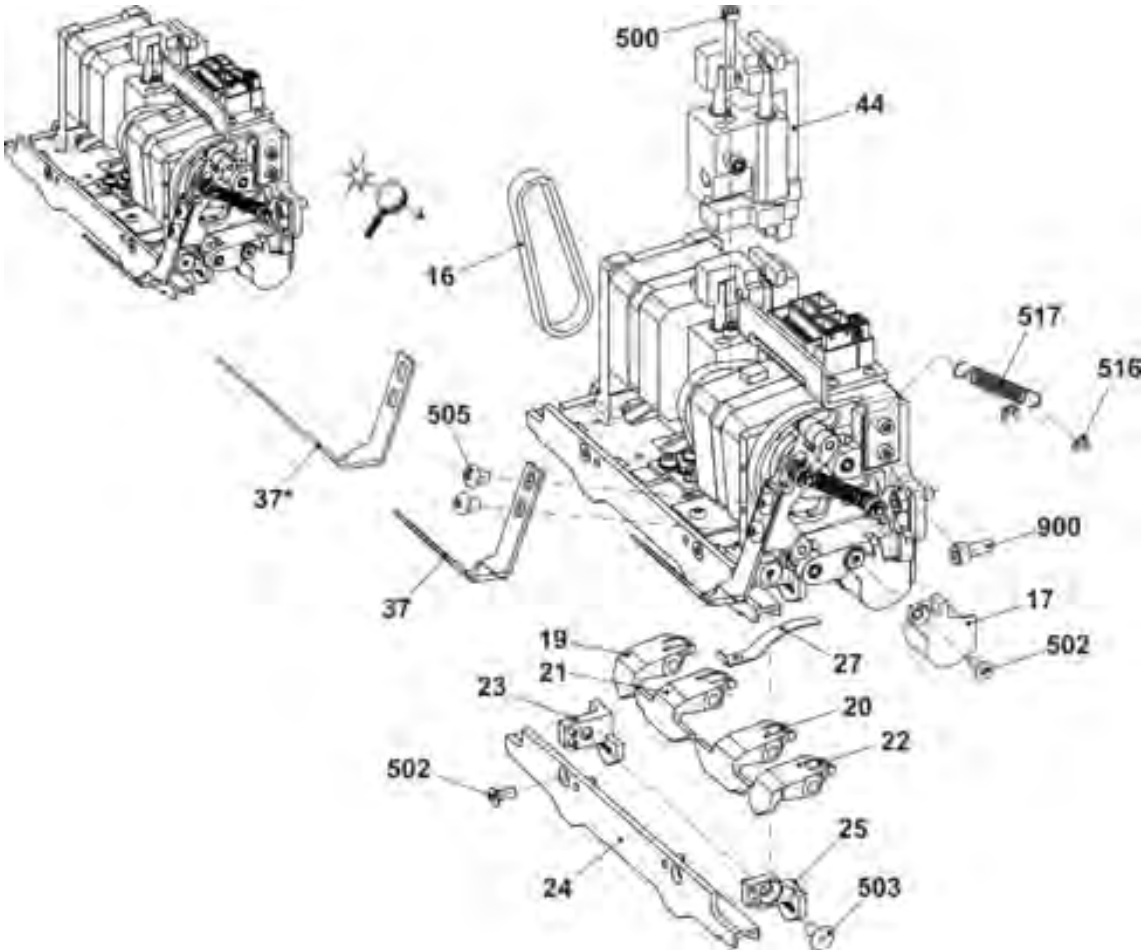
4.2.13 Control unit jack/presser foot on the left E5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot on the left E5.2	254 513				
16	Toothed belt	235 513		37	Presser foot E3,5.2-6.2	244 362
17	Cover	238 043		37*	Presser foot E3,5.2-6.2	237 328
19	Tilting lever knitting on the right E5.2	254 470		44	Guidance complete	242 265
20	Tilting lever transfer on the right E5.2-9.2	254 472		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the right E5.2-9.2	254 471		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E5.2	254 469		503	Countersunk screw M4x8	241 913
23	Slider on the right fixed inside E5.2	251 938		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E5.2	244 405		516	Circlip	021 018
25	Slider on the left fixed inside E5.2	254 491		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



4.2.14 Control unit jack/presser foot middle E5.2

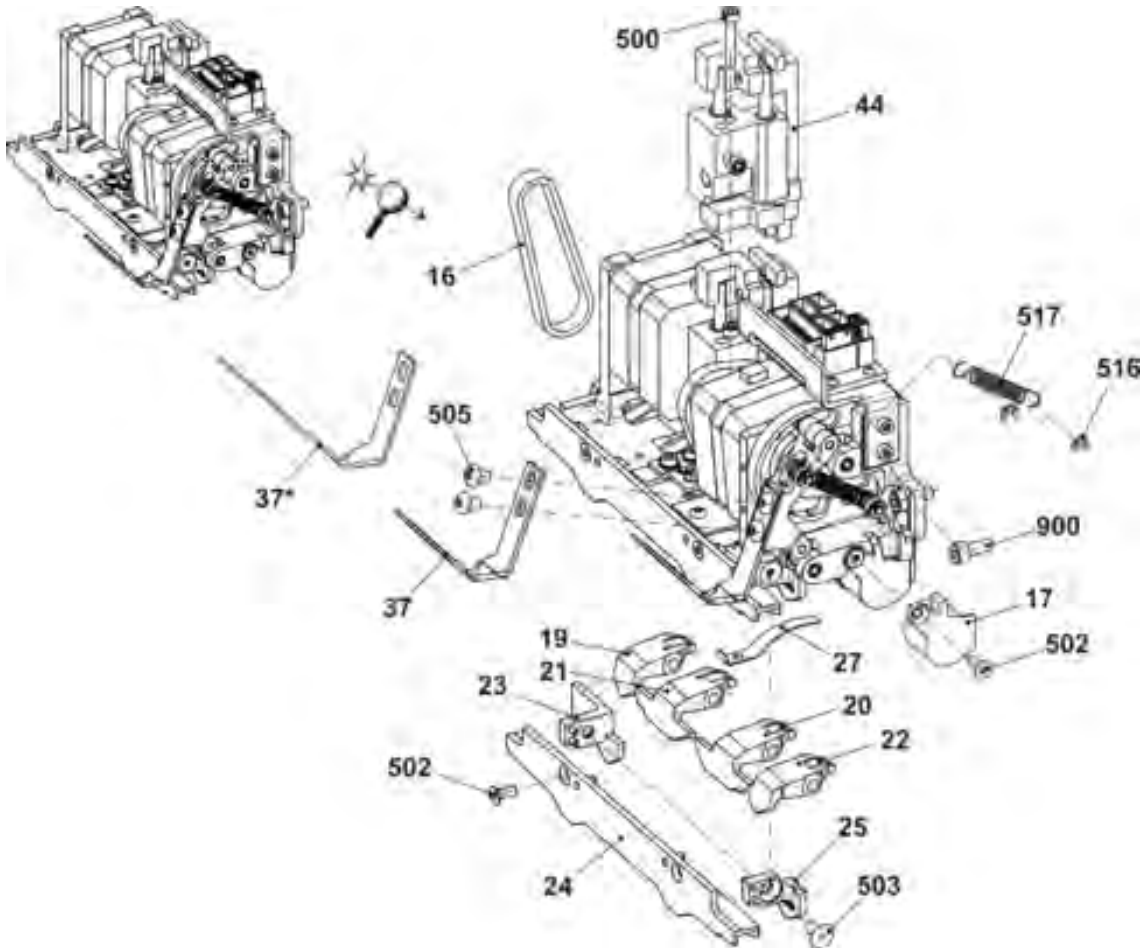
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot in the middle E5.2	254 512				
16	Toothed belt	235 513		37	Presser foot E3,5.2-6.2	244 362
17	Cover	238 043		37*	Presser foot E3,5.2-6.2	237 328
19	Tilting lever knitting on the right E5.2	254 4710		44	Guidance complete	242 265
20	Tilting lever transfer on the right E5.2-9.2	254 472		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the right E5.2-9.2	254 471		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E5.2	254 469		503	Countersunk screw M4x8	241 913
23	Slider on the right fixed inside E5.2	251 938		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E5.2	244 405		516	Circlip	021 018
25	Slider on the left fixed inside E5.2	251 943		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



4.2 Overview of carriage, continuation

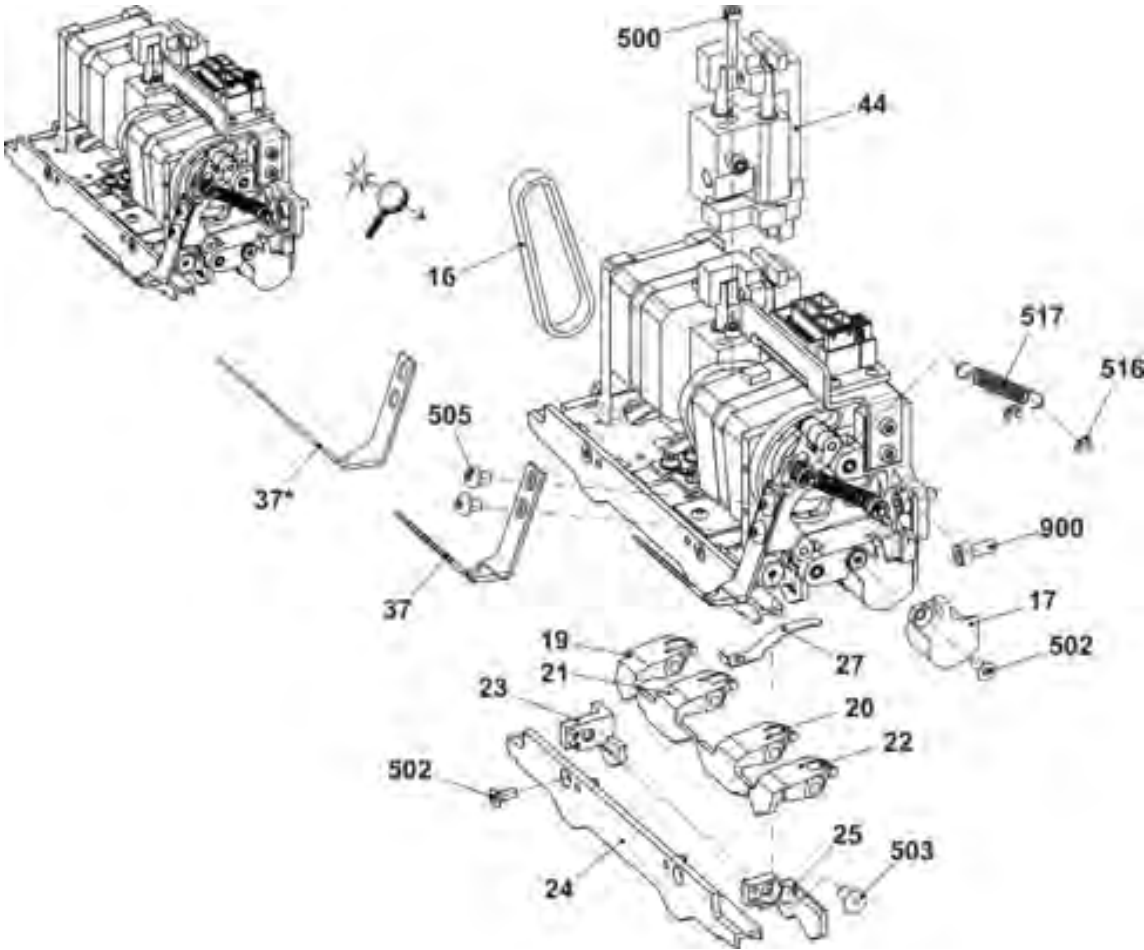
4.2.15 Control unit jack/presser foot on the right E5.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot on the right E5.2	254 514				
16	Toothed belt	235 513		37	Presser foot E3,5.2-6.2	244 362
17	Cover	238 043		37*	Presser foot E3,5.2-6.2	237 328
19	Tilting lever knitting on the right E5.2	254 470		44	Guidance complete	242 265
20	Tilting lever transfer on the right E5.2-9.2	254 472		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the right E5.2-9.2	254 471		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E5.2	254 469		503	Countersunk screw M4x8	241 913
23	Slider on the right fixed inside E5.2	254 492		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E5.2	244 405		516	Circlip	021 018
25	Slider on the left fixed inside E5.2	251 943		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



4.2.16 Control unit jack/presser foot on the left E6.2

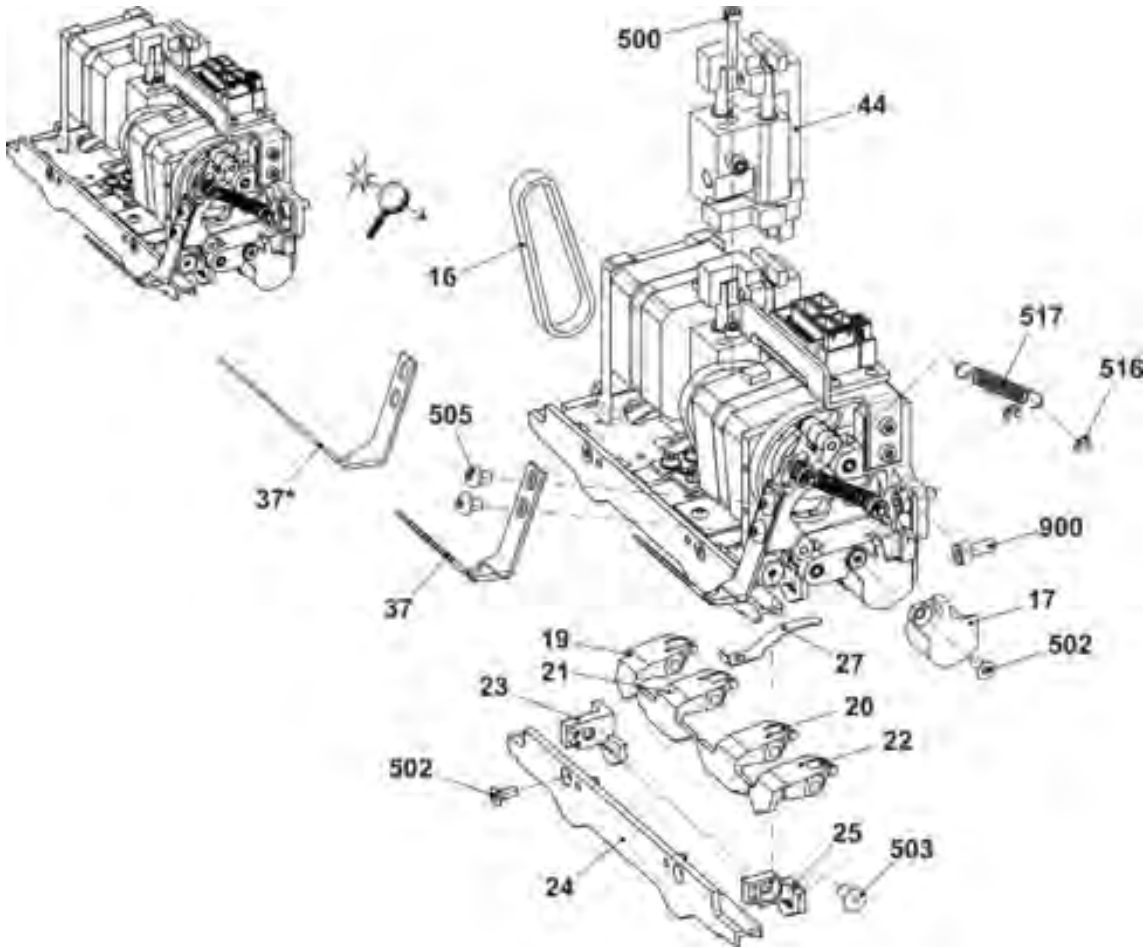
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot on the left E6.2	254 437				
16	Toothed belt	235 513		37	Presser foot E3,5.2-6.2	244 362
17	Cover	238 043		37*	Presser foot E3,5.2-6.2	237 328
19	Tilting lever knitting on the right E6.2	254 250		44	Guidance complete	242 265
20	Tilting lever transfer on the right E6.2	254 252		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E6.2	254 253		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E6.2	254 251		503	Countersunk screw M4x8	241 913
23	Slider on the right fixed at the inside E6.2	251 932		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E6.2	254 254		516	Circlip	021 018
25	Slider on the left exterior E6.2	254 267		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



4.2 Overview of carriage, continuation

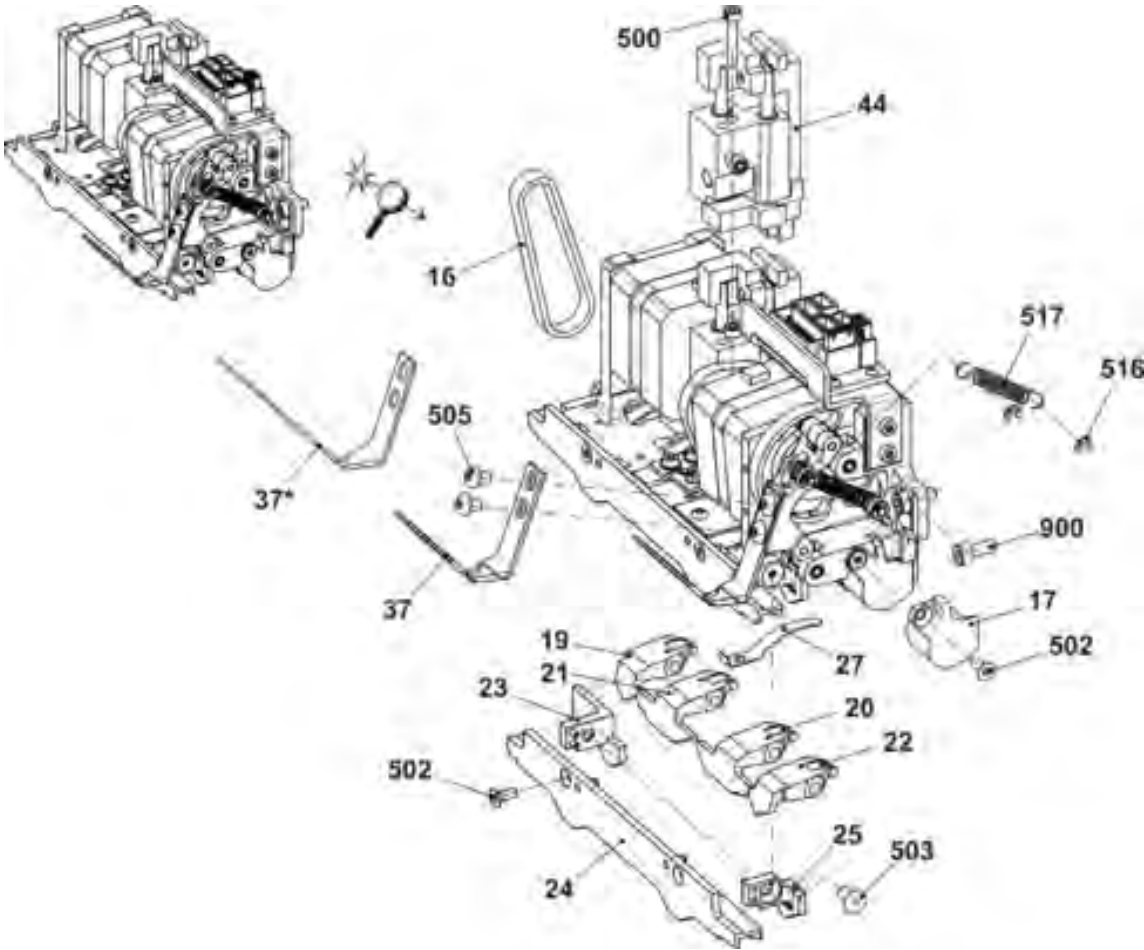
4.2.17 Control unit jack/presser foot in the middle E6.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot in the middle E6.2	254 436				
16	Toothed belt	235 513		37	Presser foot E3,5.2-6.2	244 362
17	Cover	238 043		37*	Presser foot E3,5.2-6.2	237 328
19	Tilting lever knitting on the right E6.2	254 250		44	Guidance complete	242 265
20	Tilting lever transfer on the right E6.2	254 252		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E6.2	254 253		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E6.2	254 251		503	Countersunk screw M4x8	241 913
23	Slider on the right fixed at the inside E6.2	251 932		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E6.2	254 254		516	Circlip	021 018
25	Slider on the left fixed at the inside E6.2	251 936		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



4.2.18 Control unit jack/presser foot on the right E6.2

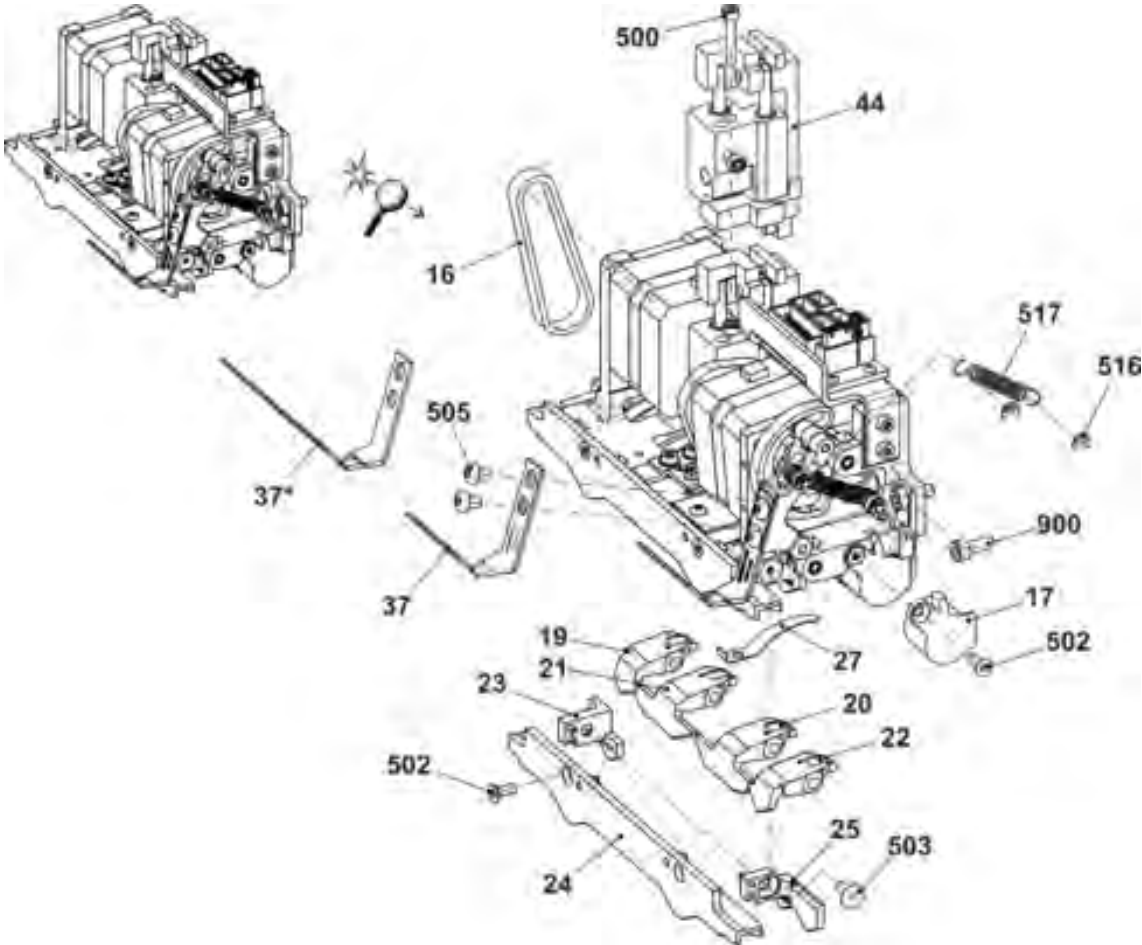
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot on the right E6.2	254 438				
16	Toothed belt	235 513		37	Presser foot E3,5.2-6.2	244 362
17	Cover	238 043		37*	Presser foot E3,5.2-6.2	237 328
19	Tilting lever knitting on the right E6.2	254 250		44	Guidance complete	242 265
20	Tilting lever transfer on the right E6.2	254 252		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E6.2	254 253		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E6.2	254 251		503	Countersunk screw M4x8	241 913
23	Slider on the right at the outside E6.2	254 268		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E6.2	254 254		516	Circlip	021 018
25	Slider on the left fixed at the inside E6.2	251 936		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



4.2 Overview of carriage, continuation

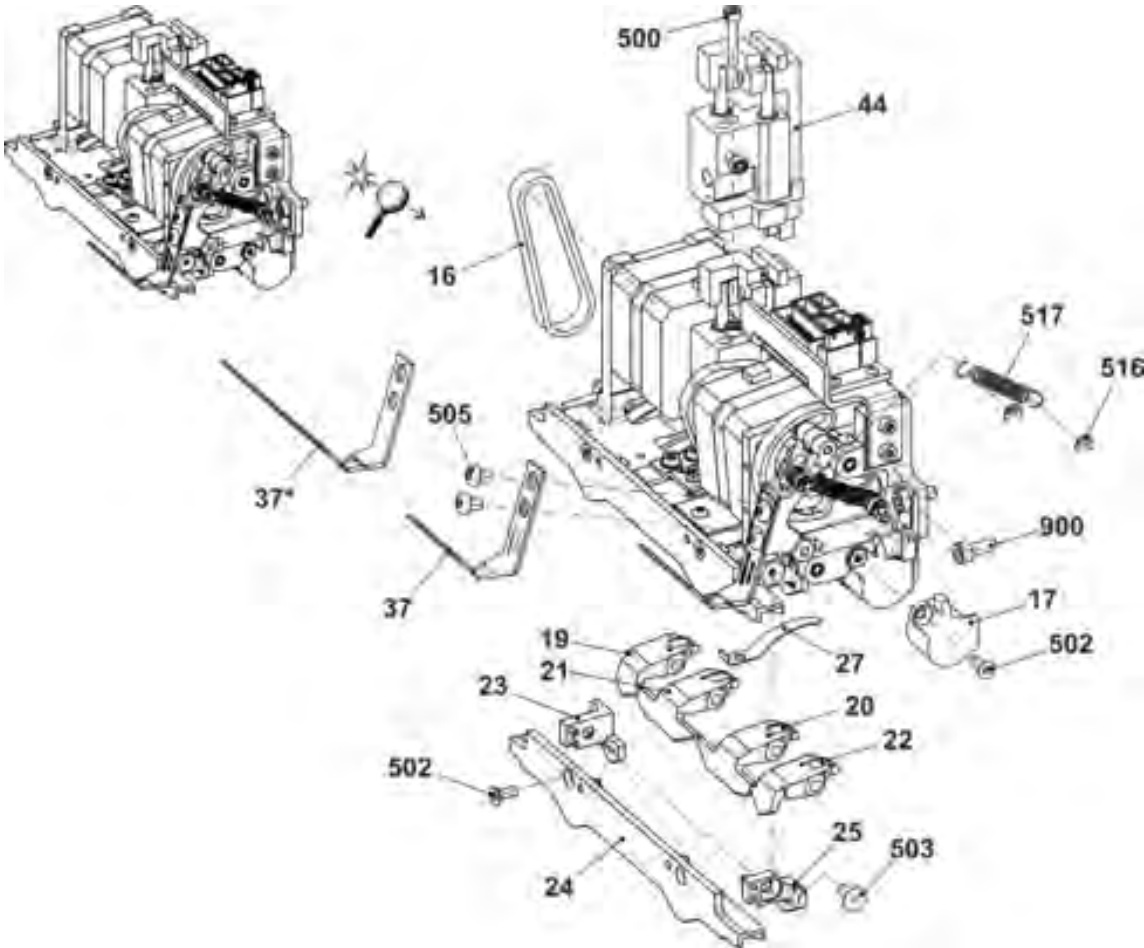
4.2.19 Control unit jack/presser foot on the left E9.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot 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	Guidance complete	242 265
20	Tilting lever transfer on the right E9.2	253 297		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E7.2	253 296		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E7.2	253 971		503	Countersunk screw M4x8	241 913
23	Slider on the right fixed at the inside E7.2	251 801		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E7.2	253 293		516	Circlip	021 018
25	Slider on the left exterior E7.2	253 264		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



4.2.20 Control unit jack/presser foot middle E9.2

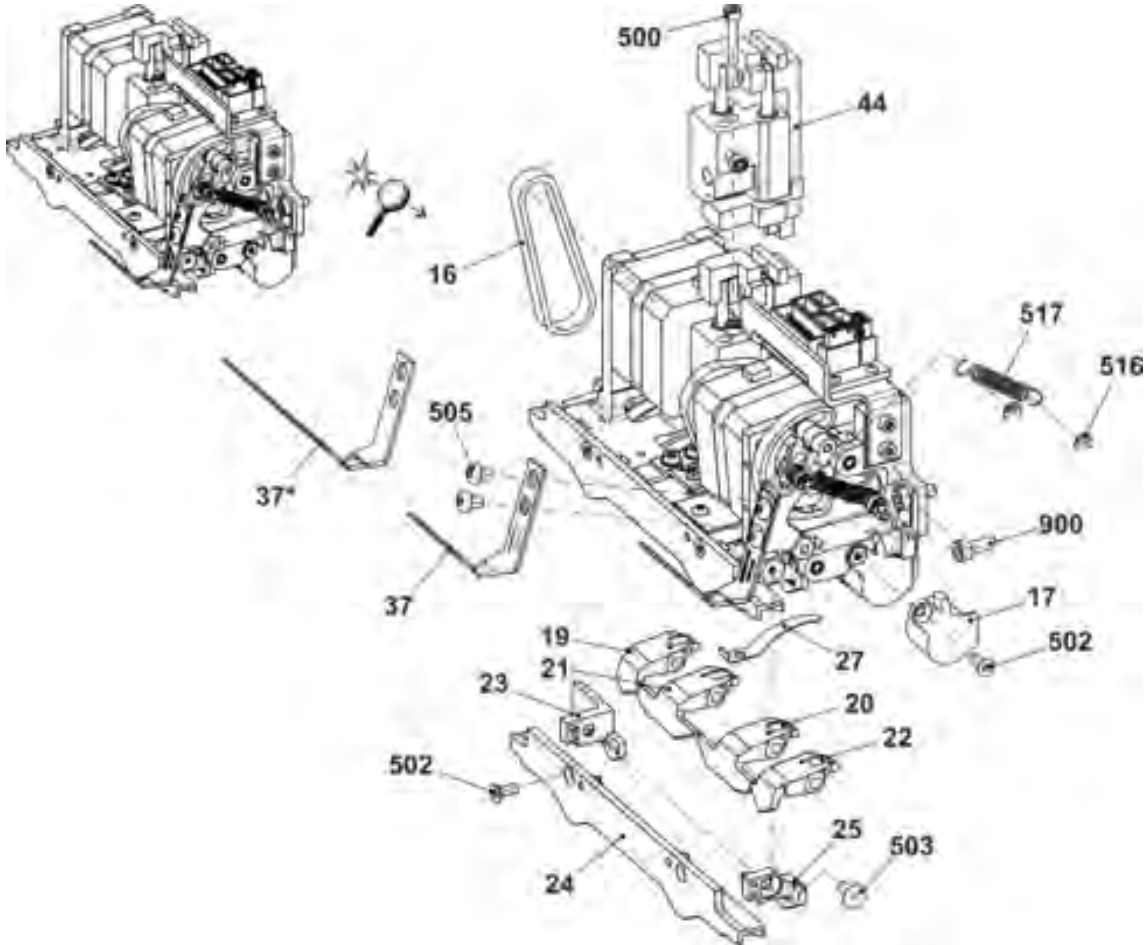
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot in the middle E7.2	253 973				
16	Toothed belt	235 513		37	Presser foot E7.2-9.2	244 363
17	Cover	238 043		37*	Presser foot E7.2-9.2	240 720
19	Tilting lever knitting on the right E7.2	253 970		44	Guidance complete	242 265
20	Tilting lever transfer on the right E9.2	253 297		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E7.2	253 296		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E7.2	253 971		503	Countersunk screw M4x8	241 913
23	Slider on the right fixed at the inside E7.2	251 801		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E7.2	253 293		516	Circlip	021 018
25	Slider on the left fixed at the inside E7.2	251 838		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



4.2 Overview of carriage, continuation

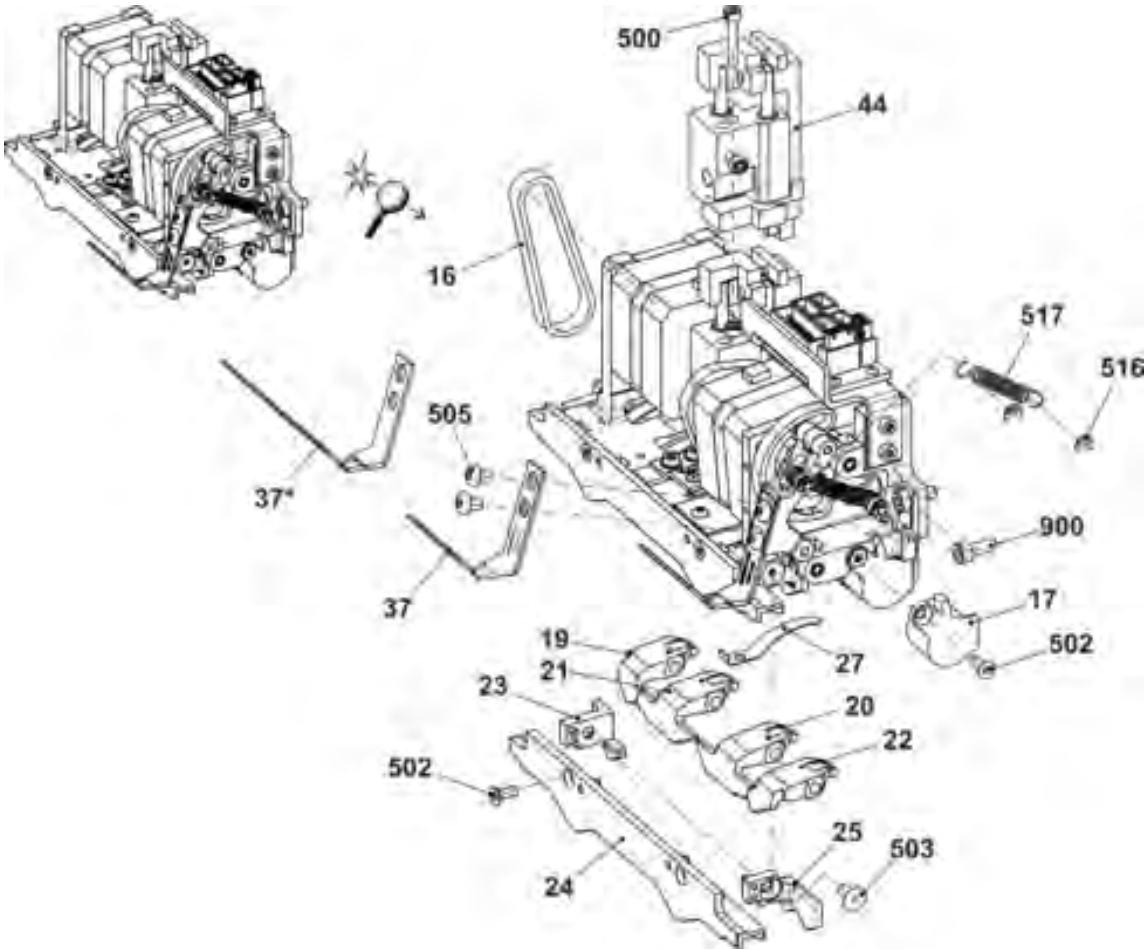
4.2.21 Control unit jack/presser foot on the right E9.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot on the right E7.2	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	Guidance complete	242 265
20	Tilting lever transfer on the right E9.2	253 297		500	Cap screw M3x18	236 485
21	Tilting lever transfer on the left E7.2	253 296		502	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E7.2	253 971		503	Countersunk screw M4x8	241 913
23	Slider on the right exterior E7.2	253 263		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E7.2	253 293		516	Circlip	021 018
25	Slider on the left fixed at the inside E7.2	251 838		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



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

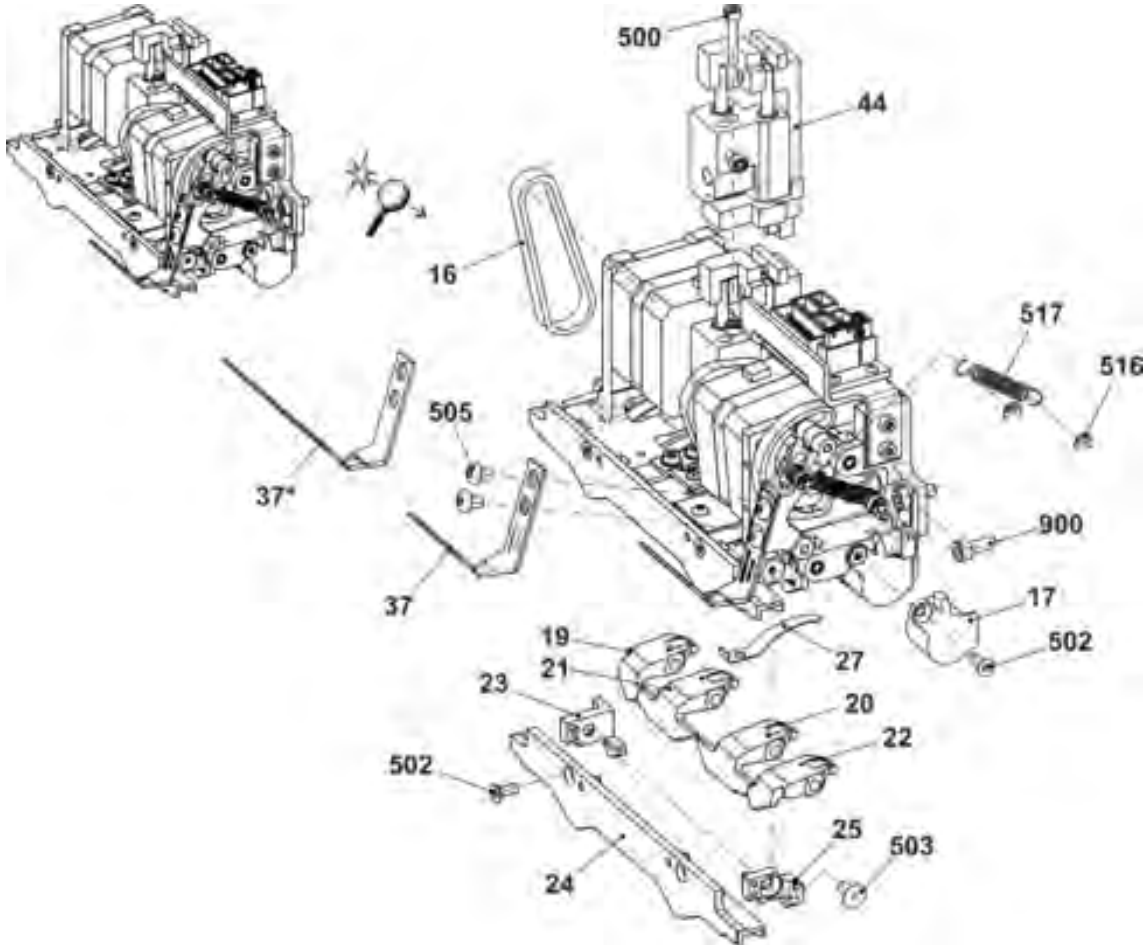
Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot on the left PL/ES E9.2	254 242				
16	Toothed belt	235 513		37	Presser foot E7.2-9.2	244 363
17	Cover	238 043		37*	Presser foot E7.2-9.2	240 720
19	Tilting lever knitting on the right E9.2	253 283		44	Guidance complete	242 265
20	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	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E9.2	253 282		503	Countersunk screw M4x8	241 913
23	Slider on the right fixed at the inside E9.2	251 027		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E9.2	253 284		516	Circlip	021 018
25	Slider on the left at the 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



4.2 Overview of carriage, continuation

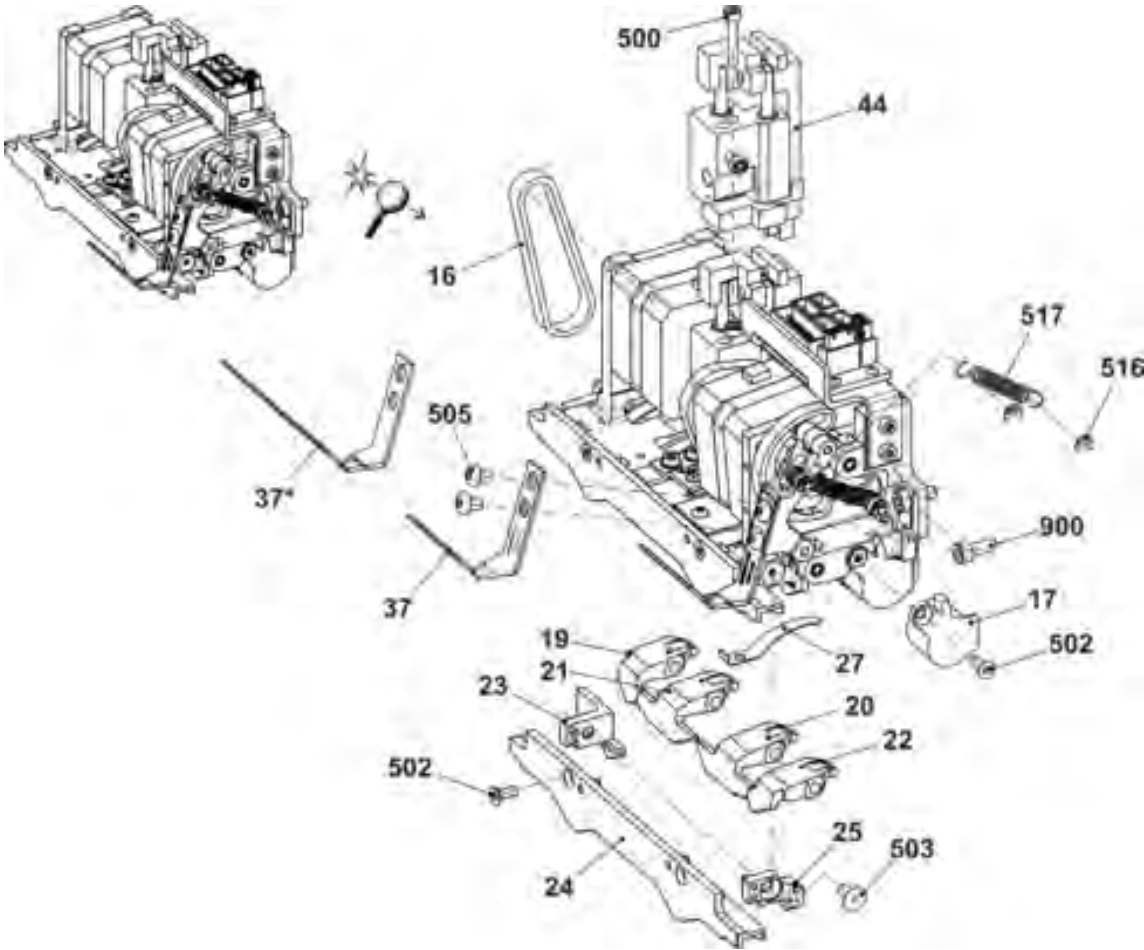
4.2.23 Control unit jack/presser foot in the middle E9.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot in the middle E7.2 PL/ES E9.2	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	Guidance 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	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E9.2	253 282		503	Countersunk screw M4x8	241 913
23	Slider on the right fixed at the inside E9.2	251 027		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E9.2	253 284		516	Circlip	021 018
25	Slider on the left fixed at the inside E9.2	251 028		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



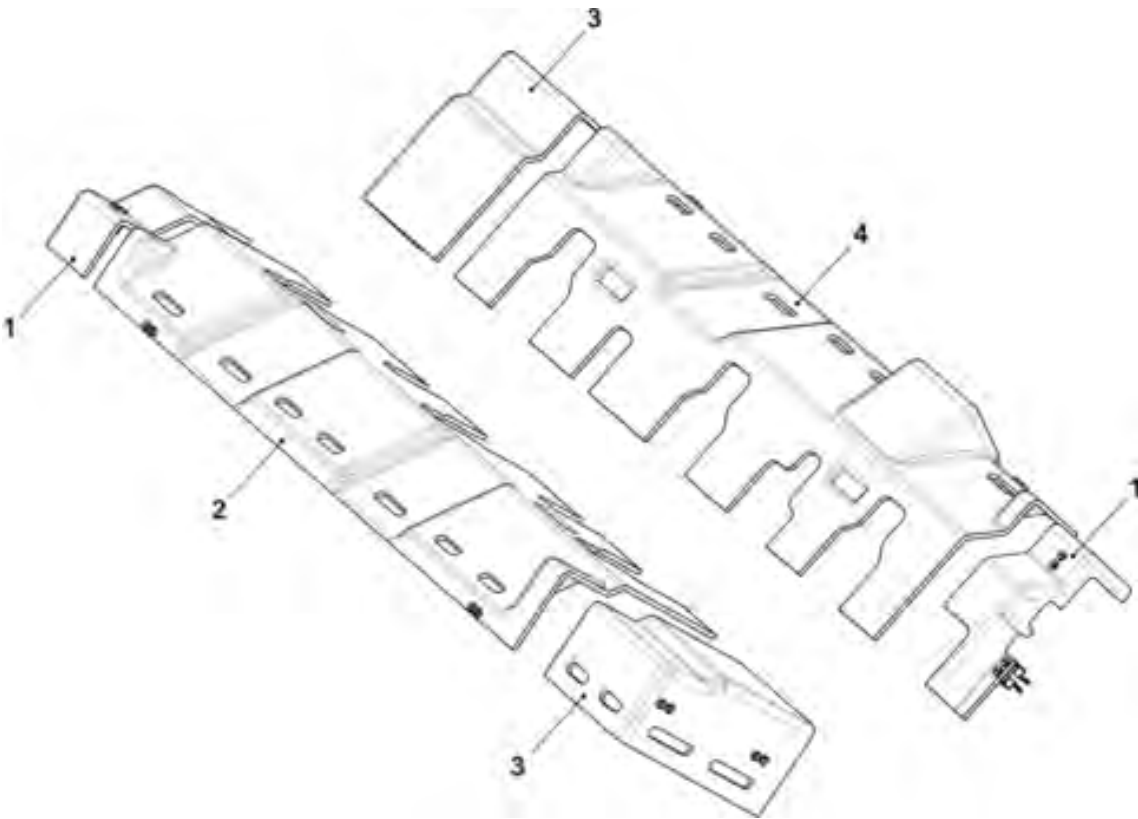
4.2.24 Control unit jack/presser foot on the right E9.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Control unit jack/presser foot on the right PL/ES E9.2	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	Guidance 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	Countersunk screw M3x8	241 912
22	Tilting lever knitting on the left E9.2	253 282		503	Countersunk screw M4x8	241 913
23	Slider on the right at the outside E9.2	252 751		505	Countersunk screw M4x6	023 427
24	Slider in the middle fixed E9.2	253 284		516	Circlip	021 018
25	Slider on the left fixed at the inside E9.2	251 028		517	Tension spring 5.5x0.5x19.48	235 608
27	Leaf spring	235 502		900	Cap screw M4X10	023 136



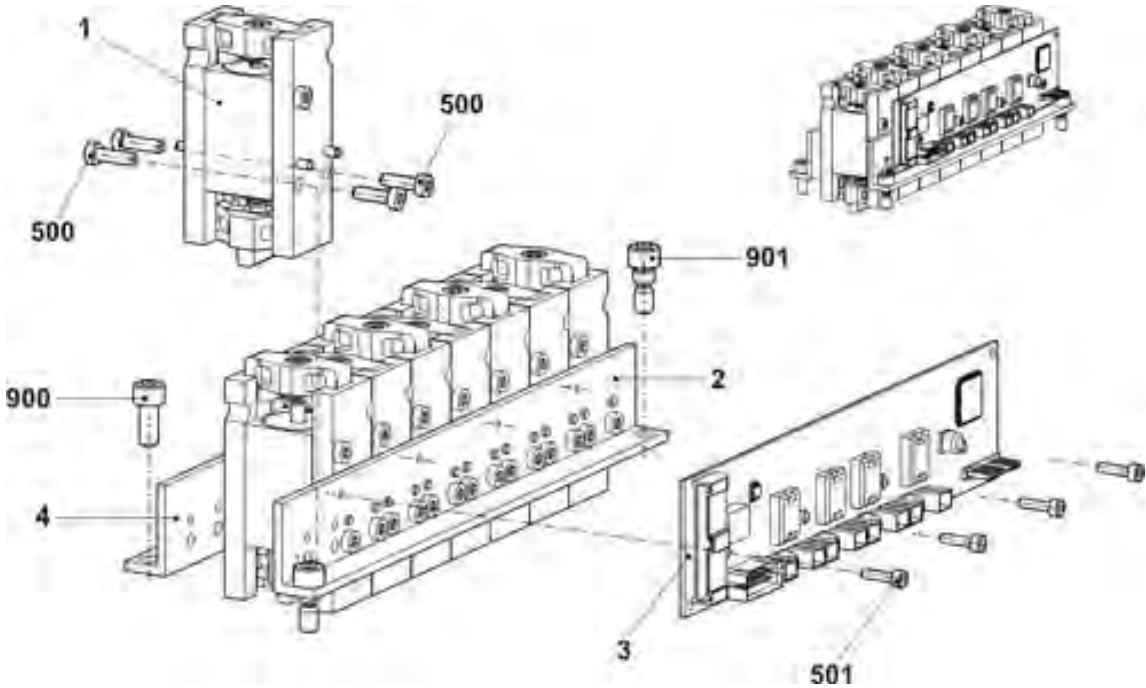
4.2.25 Covers

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



4.2.26 Yarn carrier driving without guiding part

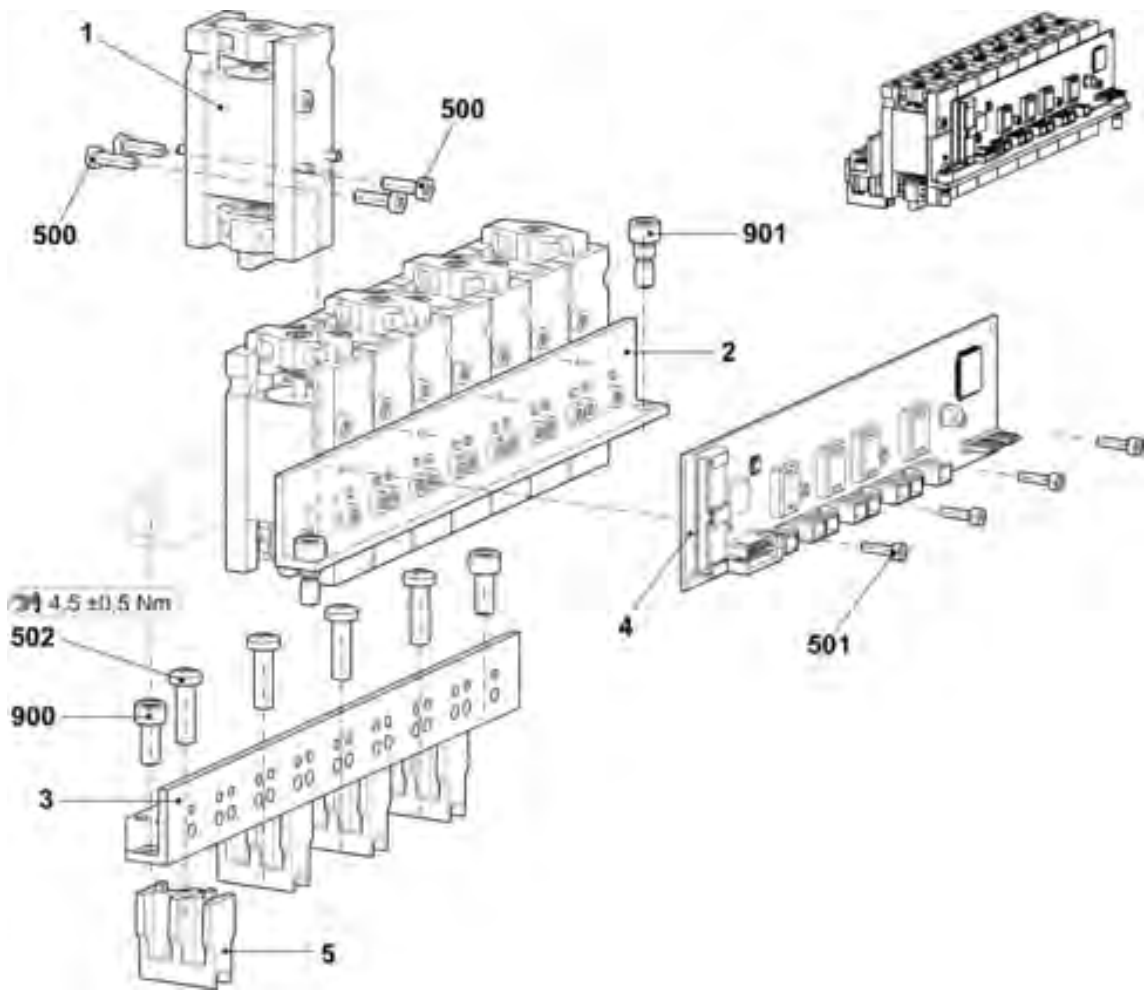
Pos	Designation	Id		Pos	Designation	Id
Σ	YC driving outside complete	241 080				
1	Yarn carrier plunger complete	242 214		500	Cap screw M4x14-I-Torx	242 279
2	Support angle for jack	241 038		501	Cap screw M3x12-12.9	022 648
3	Card yarn carrier final stages	300 960		900	Cap screw M6X14	022 658
4	Support angle for YC driving	242 903		901	Shoulder screw	231 899



4.2 Overview of carriage, continuation

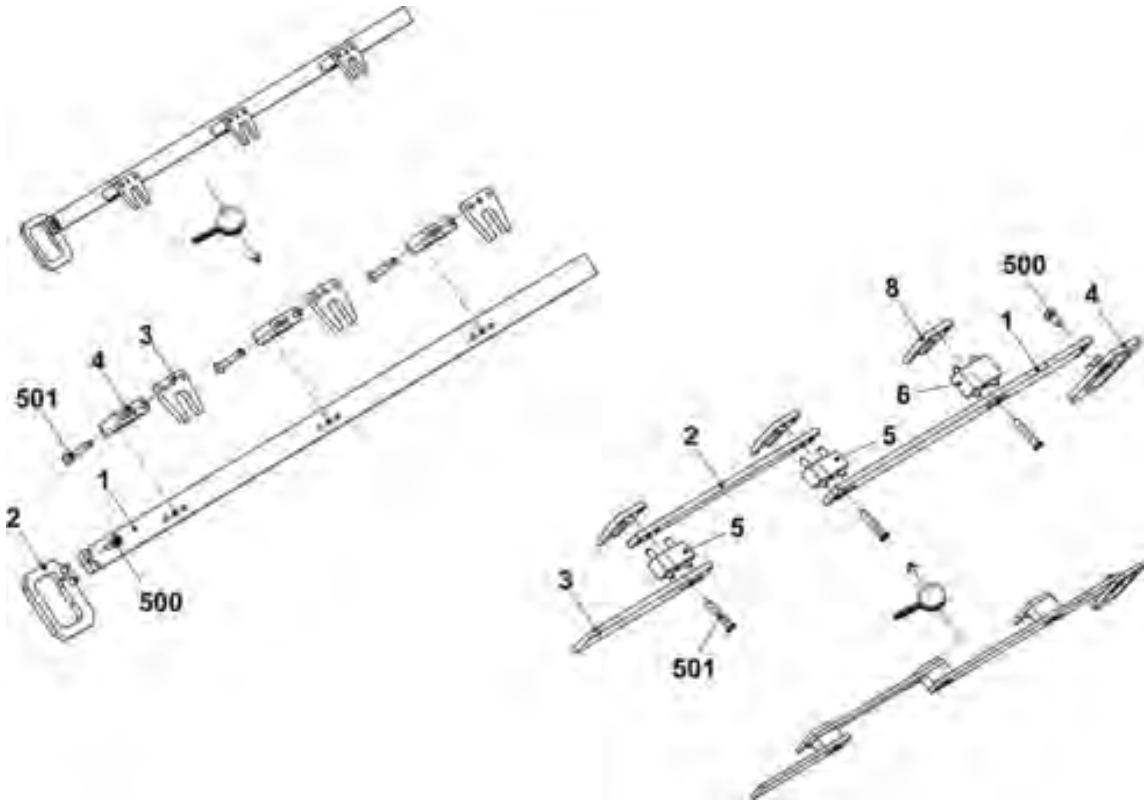
4.2.27 Yarn carrier driving with guiding part

Pos	Designation	Id		Pos	Designation	Id
Σ	YC driving in the middle complete	241 081				
1	Yarn carrier plunger complete	242 214		500	Cap screw M4x14-I-Torx	242 279
2	Support angle for jack	241 038		501	Cap screw M3x12-12.9	022 648
3	Support angle for YC driving	241 044		502	Screw KB60 x 20	243 625
4	Card yarn carrier final stages	300 960		900	Cap screw M6X14	022 658
5	Guide part	239 972		901	Shoulder screw	231 899



4.2.28 Sliding rods

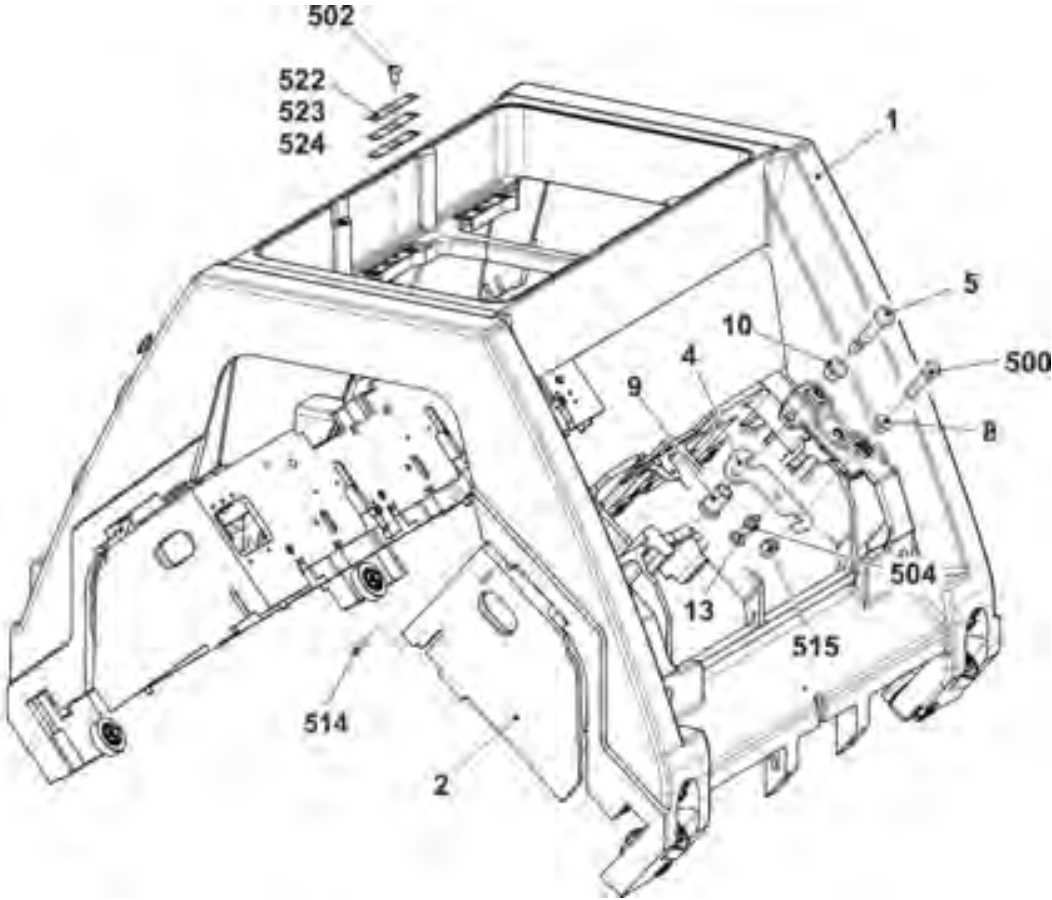
Pos	Designation	Id		Pos	Designation	Id
Σ	Sliding rod complete (at the front)	236 101		Σ	Sliding rod complete (at the rear)	242 046
1	Driving rod	237 830		1	Sliding rod on the left	242 036
2	Control plate	235 396		2	Sliding rod in the middle	242 037
3	Brush driver	237 432		3	Sliding rod on the right	242 038
4	Intermediate piece	237 433		4	Control plate	235 396
500	Cap screw M3X6	022 589		5	Intermediate piece	242 809
501	Countersunk screw M3x18	242 728		6	Intermediate piece	237 433
				8	Brush driver	237 432
				500	Cap screw M3X6	022 589
				501	Countersunk screw M3x18	242 728



4.2 Overview of carriage, continuation

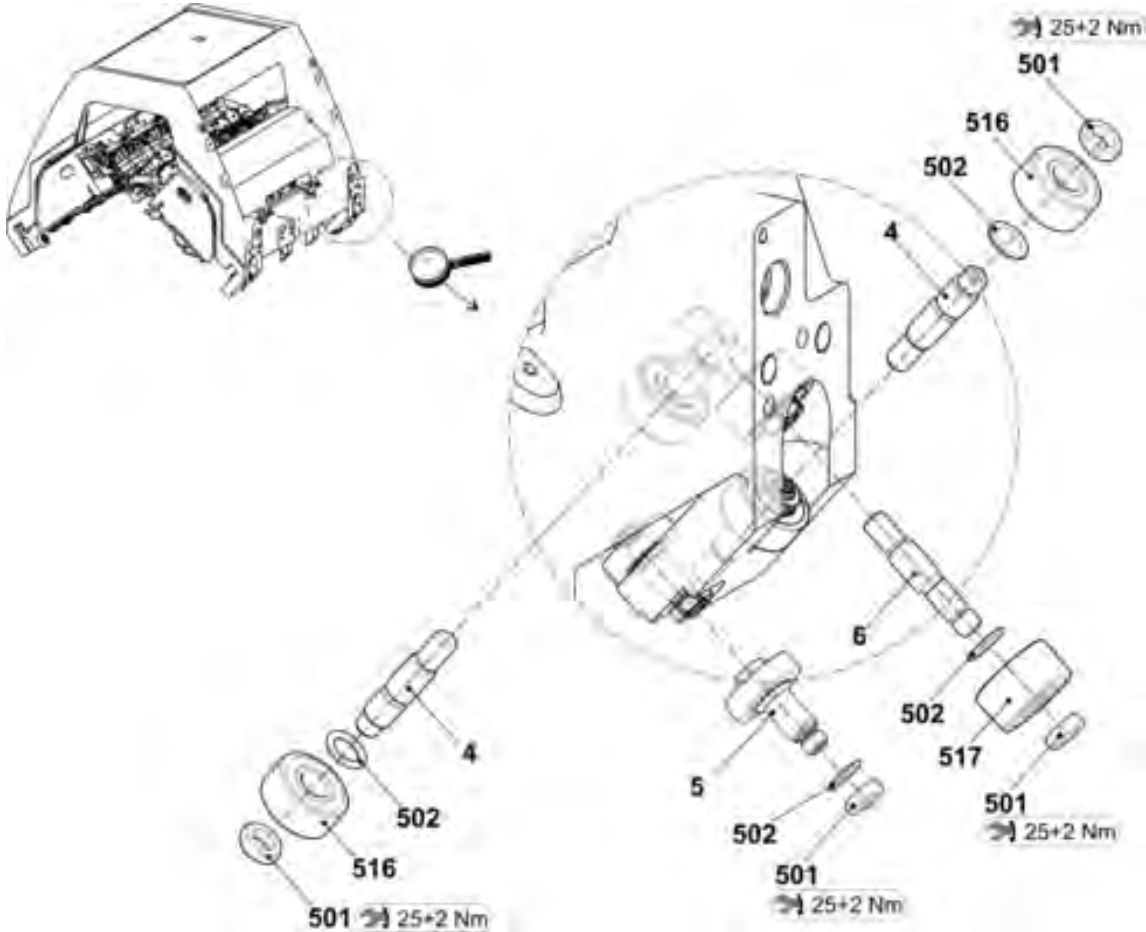
4.2.29 Carriage

Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage assembly 3 cam boxes complete	256 498				
1	Carriage frame, 3 cam boxes	256 503		500	Cap screw M8x30	020 143
2	Carriage part, 3 cam boxes	241 241		502	Countersunk screw M6x10	023183
4	Shim	225 312		504	Safety disk 6	021 022
5	Dowel screw	211 750		514	Setting pin 5x14	020 670
8	Bush	207 546		515	Threaded bushing M12x11.5	041 863
9	Bush	209 275		522	Shim 0,2x10x70	023 699
10	Bush	209 274		523	Shim 0,1x10x70	023 698
13	Locating bolt linking spot	244 179		524	Shim 0,05x10x70	023 697



4.2.30 Carriage guide

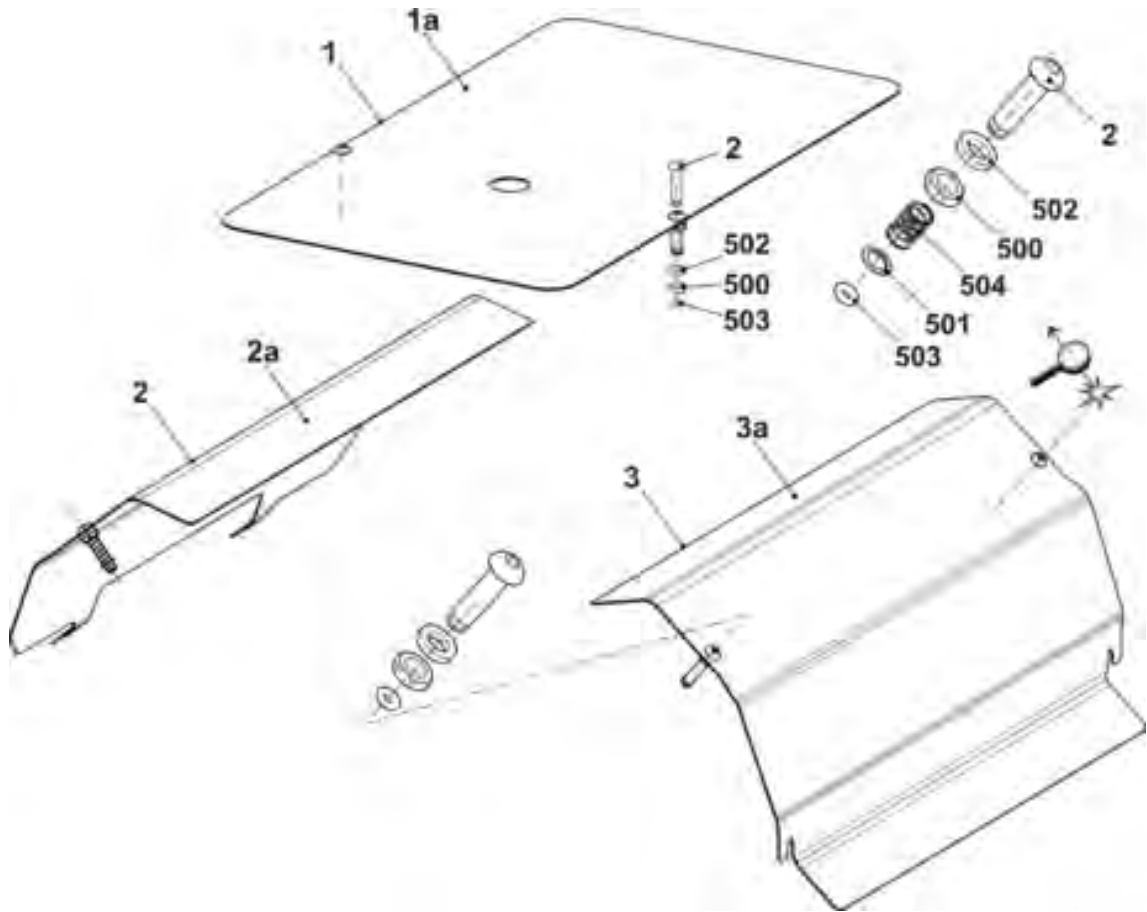
Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage assembly 3 cam boxes complete	256 498		501	Hexagon nut M10x1	023 316
4	Bearing bolt eccentric 0.3	240 624		502	Shim ring 12x18x1	023 315
5	Bolt pre-assembled	244 283		516	Grooved ball bearing 62300-2RS1	241 408
6	Bearing bolt eccentric 0.3	242 060		517	Grooved ball bearing 62300-2RS1	242 070



4.2 Overview of carriage, continuation

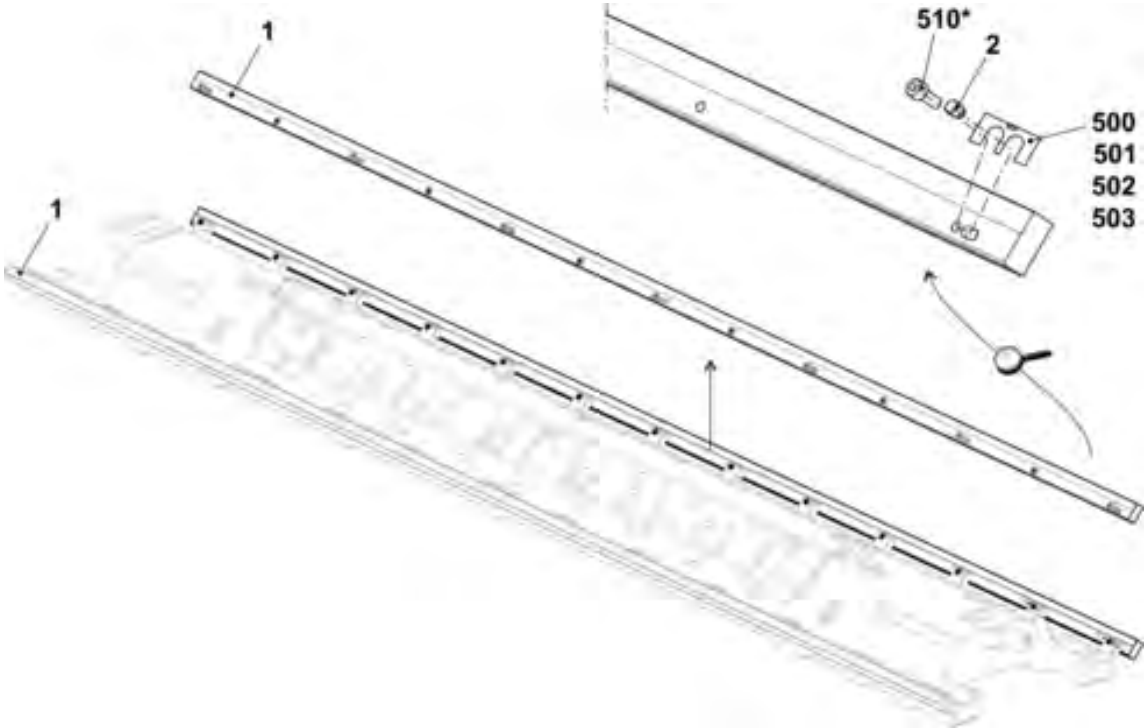
4.2.31 Carriage cover

Pos	Designation		Id		Pos	Designation	Id
1	Carriage cover at the top 3 cam boxes complete		257 100		10	Fixing 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	U-washer 6.1x9x0.5	023 554
	2a	Carriage cover at the rear 3 cam boxes	256 768		502	Serrated lock washer 6.4	022 385
3	Carriage cover front 3 cam boxes		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



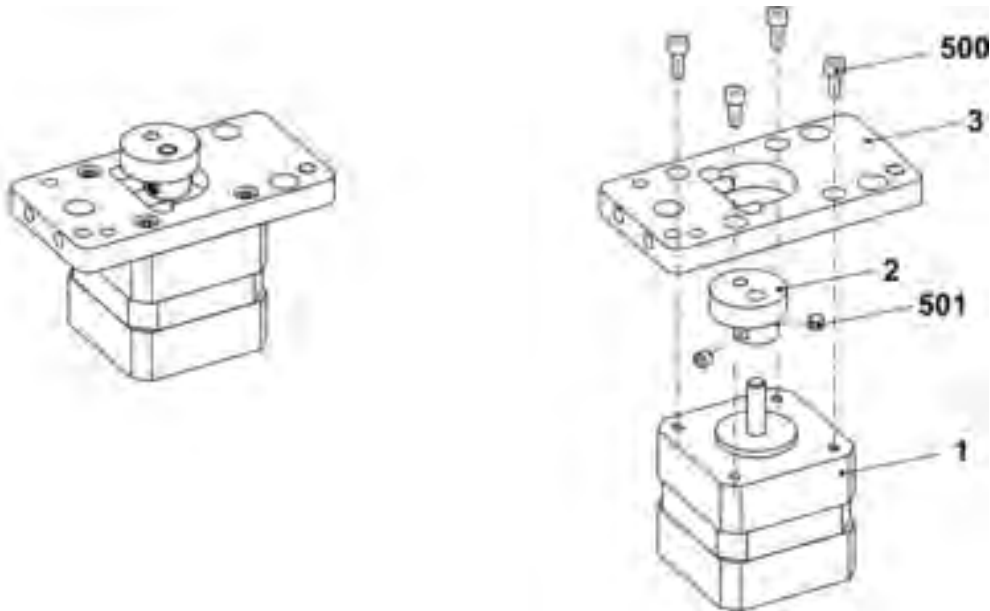
4.2.32 Spare parts package carriage guide bar

Pos	Designation	Id		Pos	Designation	Id
Σ	Spare parts package carriage guide bar 72"	252 992		501	Shim 0,05x22x42	243 291
1	Carriage guide rail	241 308		502	Shim 0,10x22x42	243 292
2	Adjusting eccentric	241 219		503	Shim 0,20x22x42	243 293
500	Shim 0,03x22x42	243 289		510*	Cap screw M8x20	020 141



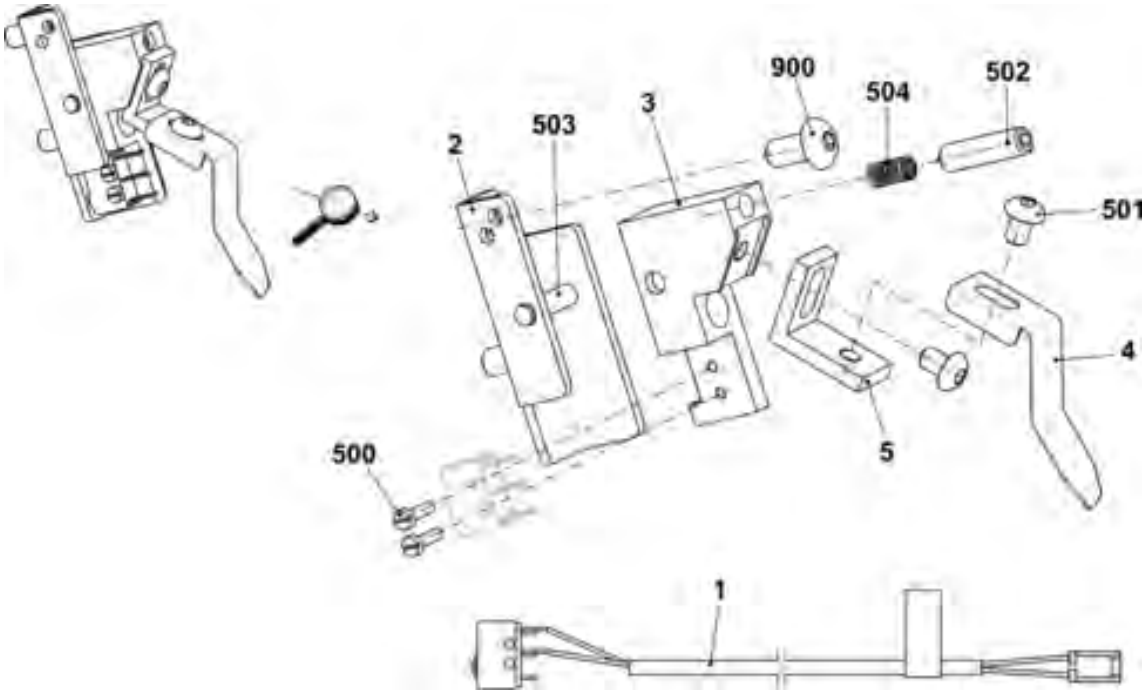
4.2.33 Control unit brush

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



4.2.34 Needle detector

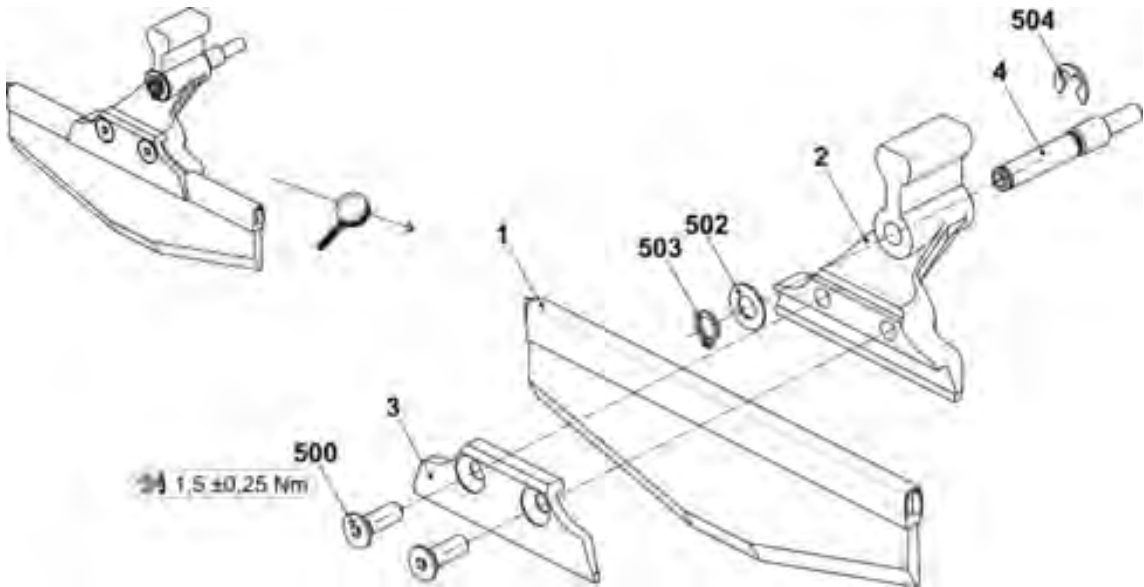
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle detector complete	237 050				
1	Cable needle detector TC-S	235 728		501	Countersunk screw M4x6	023 427
2	Retainer	235 668		502	Setscrew M5x20	023 526
3	Switch rocker	220 637		503	Dowel pin 4x8	023 525
4	Sensor E16-20	252 239		504	Compression spring 4.3x0.45x10	021 398
5	Angle	221 175		900	Countersunk screw M5x10	023 247
500	Cap screw M2x8	258 310				



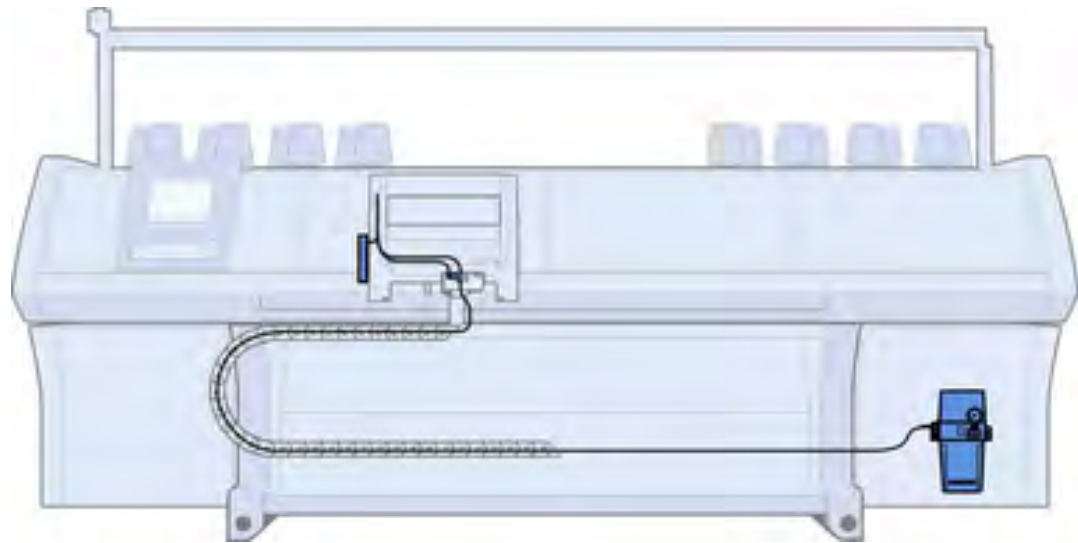
4.2 Overview of carriage, continuation

4.2.35 Brush holder

Pos	Designation	Id		Pos	Designation	Id
Σ	Brush holder E3,5.2-5.2	243 077		1	Brush E4-8	203 254
	Brush holder E6.2-7.2	235 410			Brush E6.2-7.2	243 074
	Brush holder E9.2	243 076			Brush E9.2	237 977
2	Brush holder	235 411		500	Countersunk screw M3x10	023 062
3	Brush clamp	213 010		502	Adjusting washer 5x10x0.5	023 348
4	Threaded rod	242 066		503	Locking ring 68x2.5	023 347
				504	Circlip 4	021 020

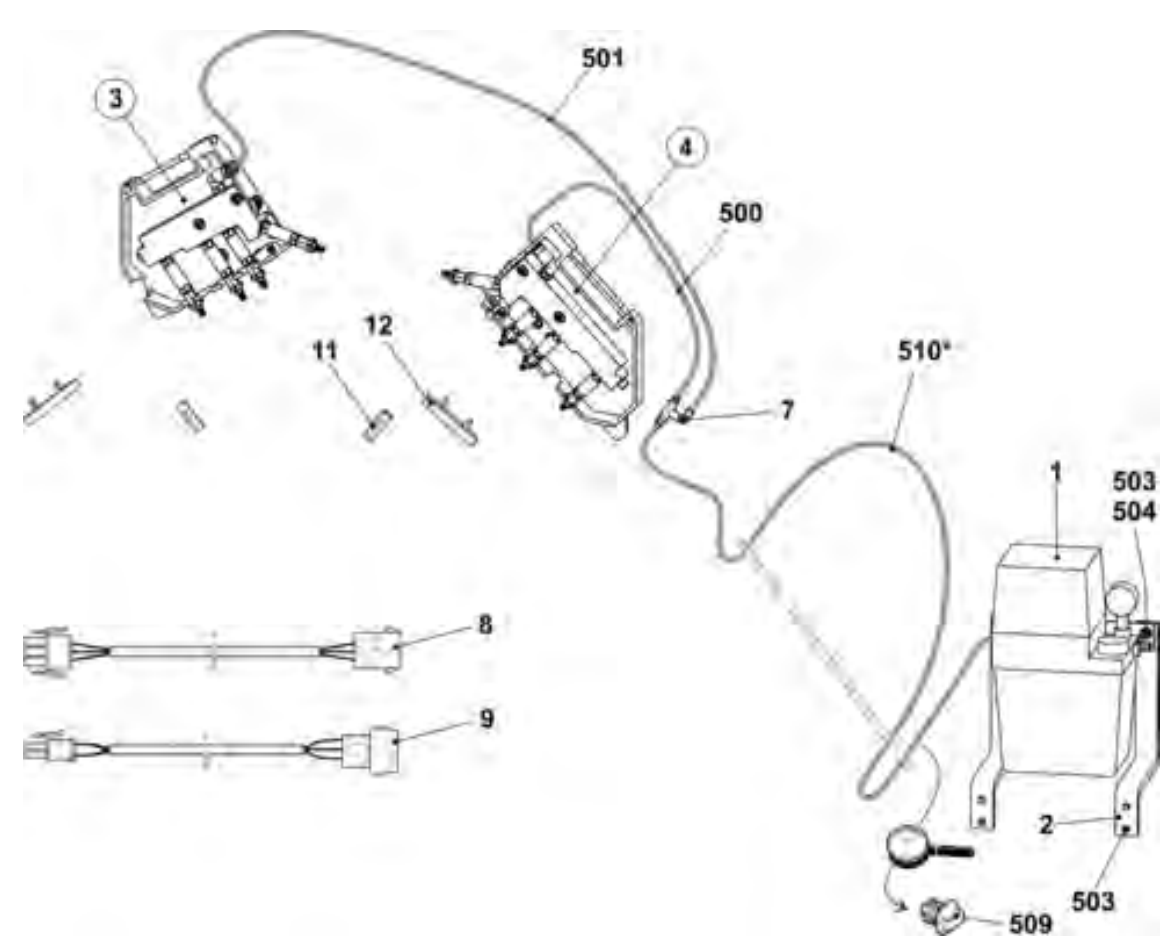


5 Central lubrication



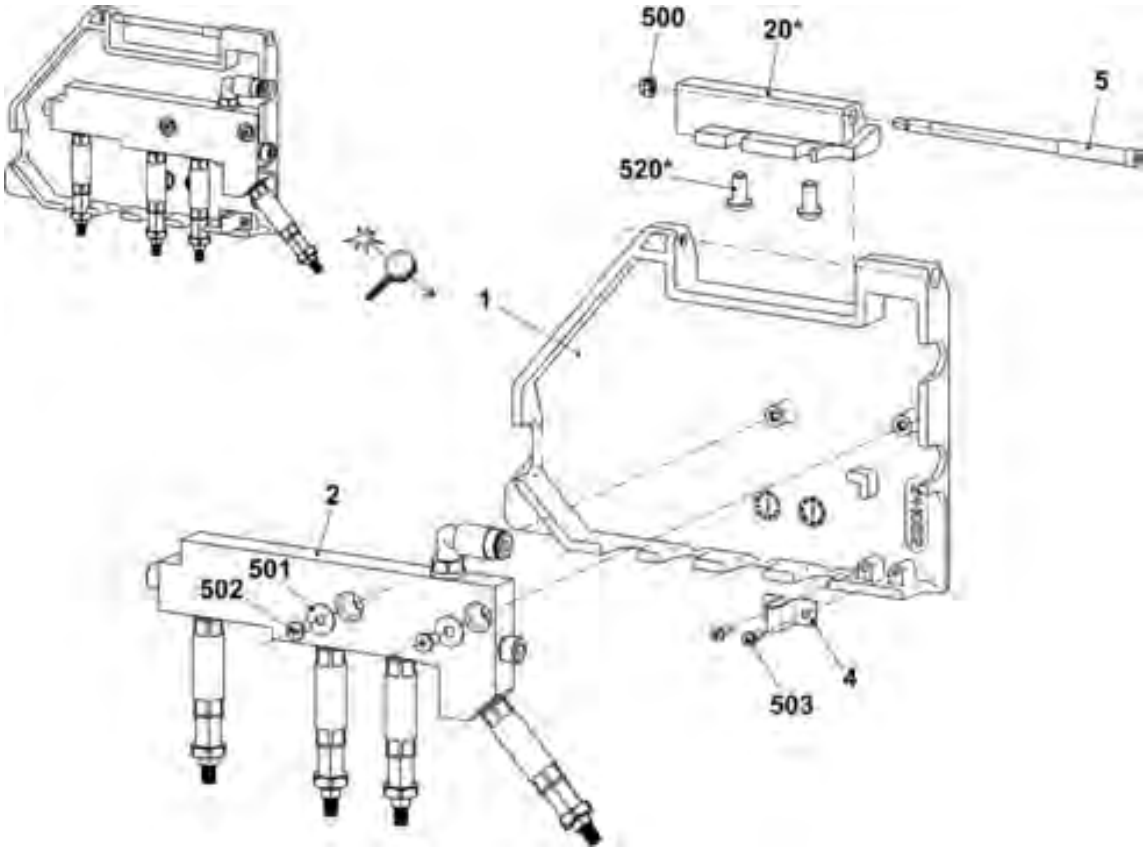
5.1 Central lubrication

Pos	Designation	Id		Pos	Designation	Id
Σ	Central lubrication 730S	241 812		11	Sealing plug	240 777
1	Oil central lubricating pump Vogel	235 068		12	Border	240 778
2	Support for oil equipment	241 636		500	Hose D6, L = 500	235 037
3	Lubricating unit at the front complete	241 066		501	Hose D6, L = 1000	235 038
4	Lubricating unit at the rear complete	241 067		503	Cap screw M8x16	023 629
7	T-piece complete	235 039		504	U-washer 8	020 883
8	Cable mains supply CL 72"/84"	241 850		509	Assembling element	209 543
9	Cable control CL	238 704		510*	Hose D6, L = 4400	241 693



5.1.1 Lubricating unit at the front complete

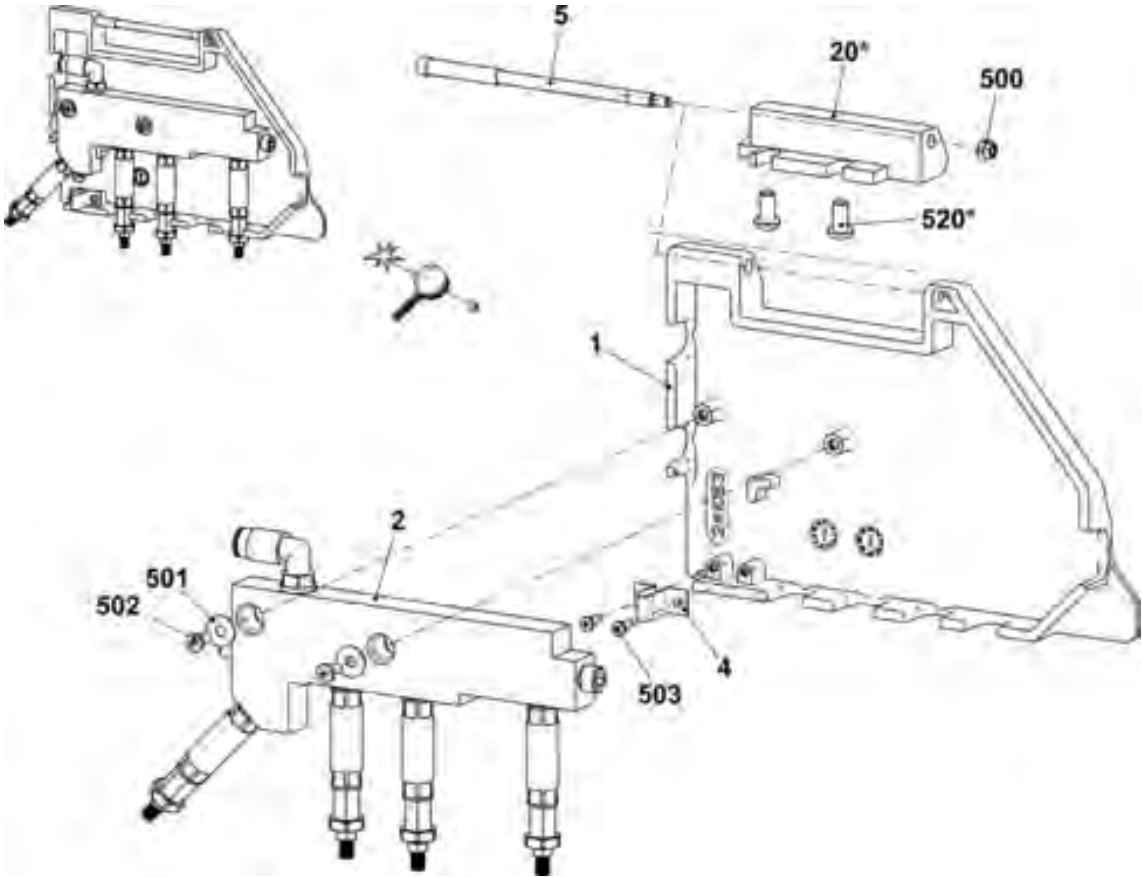
Pos	Designation	Id		Pos	Designation	Id
Σ	Lubricating unit at the front complete	241 066				
1	Housing at the front	241 052		500	Hexagon nut M4	023 046
2	Distributor complete	254 891		501	U-washer 4	023 047
4	Locking plunger	235 054		502	Screw KB 40x8	238 089
5	Shoulder screw	240 790		503	Screw KB 30x8	236 228
20*	Joint at the front	240 791		520*	Pan-head screw M6x12	235 935



5.1 Central lubrication

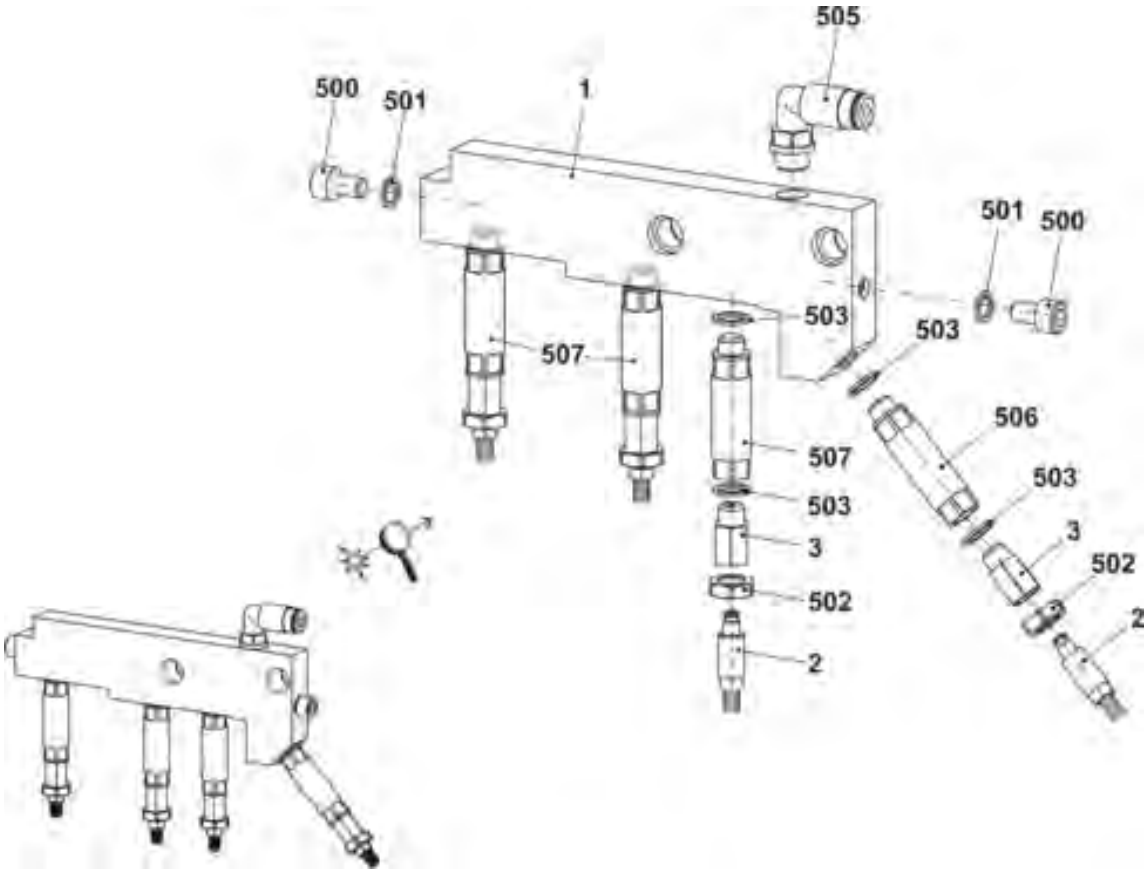
5.1.2 Lubricating unit at the rear complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Lubricating unit at the rear complete	241 067				
1	Housing at the rear	241 053		500	Hexagon nut M4	023 046
2	Distributor complete	254 891		501	U-washer 4	023 047
4	Locking plunger	235 054		502	Screw KB 40x8	238 089
5	Shoulder screw	240 790		503	Screw KB 30x8	236 228
20*	Joint at the rear	240 792		520*	Pan-head screw M6x12	235 935



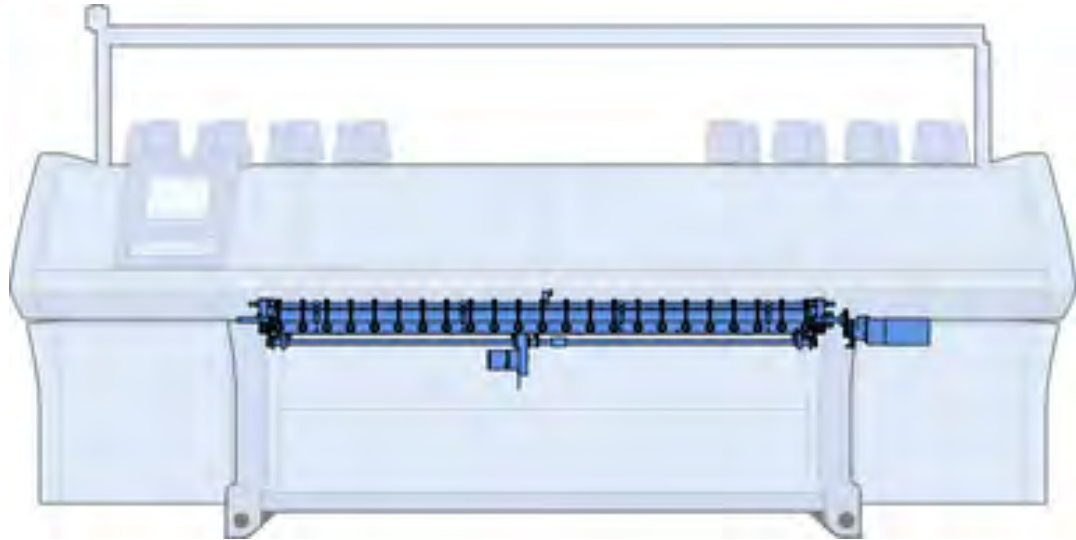
5.1.3 Distributor

Pos	Designation	Id		Pos	Designation	Id
Σ	Distributor complete	254 891				
1	Distributor	254 890		502	Hexagon nut M8-04	020 856
2	Brush	235 050		503	Sealing ring A8x11.5	023 892
3	Adapter brush	235 049		505	Swivelling connection	235 067
500	Cap screw M6X10	023 690		506	Dosing unit screw connection	235 079
501	Sealing ring A6.5x9.5	237 456		507	Dosing unit screw connection	237 809



Notes:

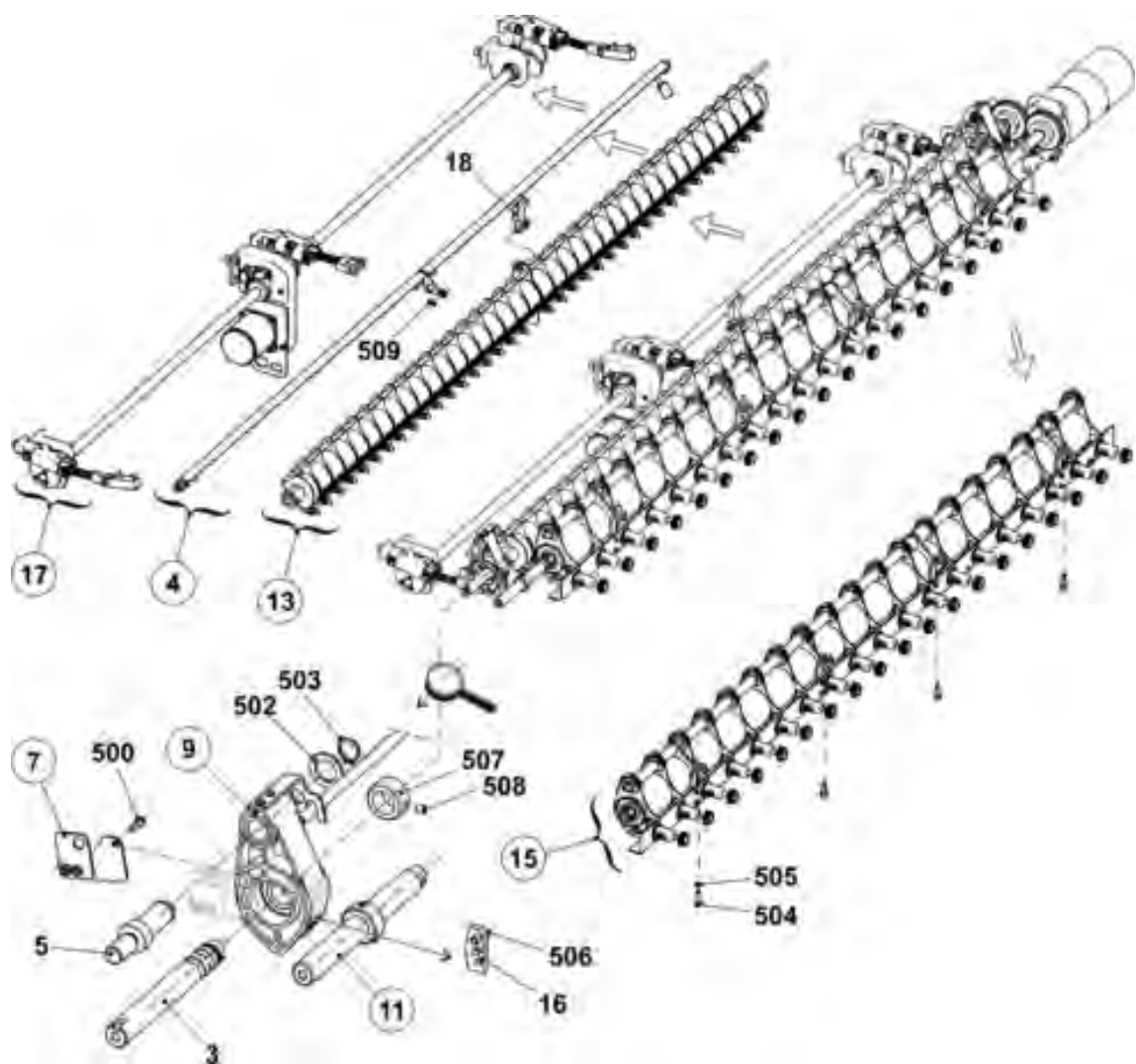
6 Main take-down



6.1 Take-down rollers and left bearing

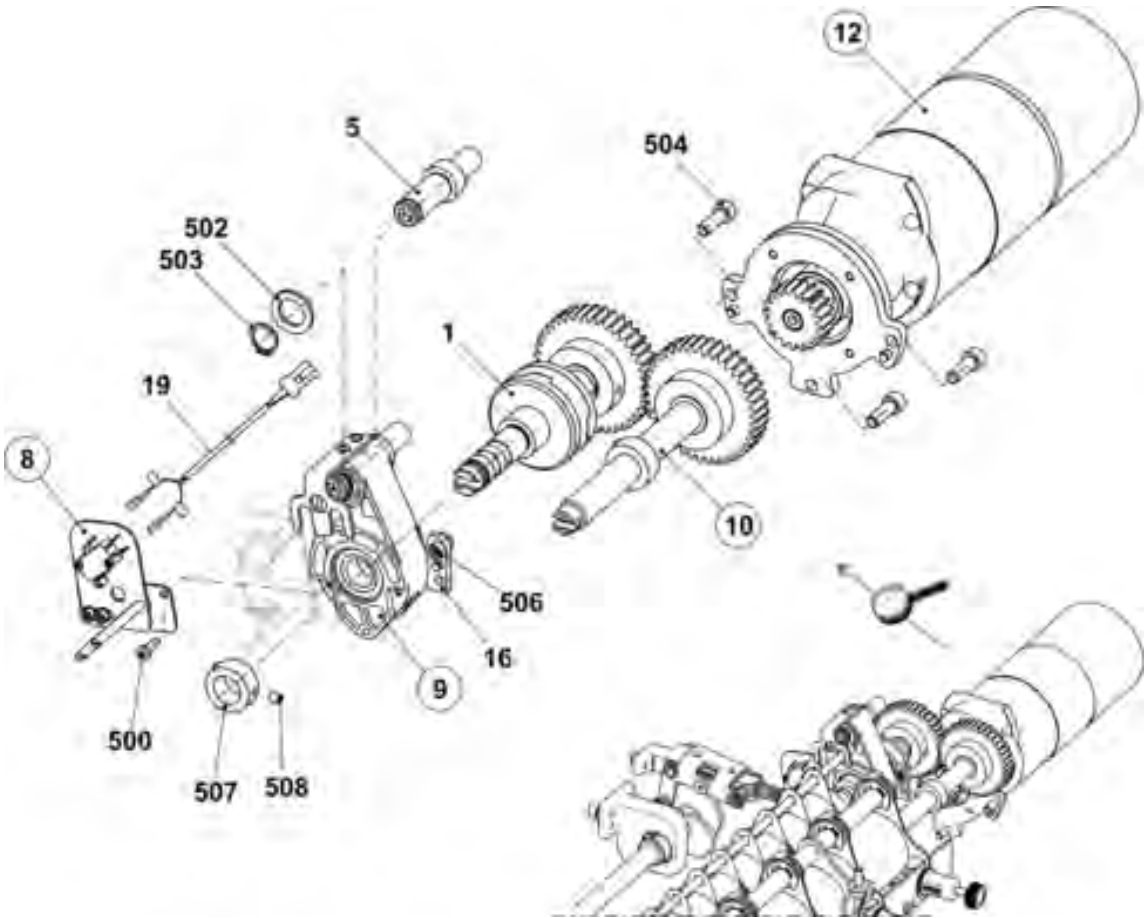
6.1 Take-down rollers and left bearing

Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down 72"					
3	Shaft on the left at the rear	221 012		18	Bearing block in the middle complete	237 357
4	Stripper angle at the rear complete	240 413		500	Screw 50x15	251 728
5	Bolts	208 538		502	U-washer 18	023 295
7	Mounting plate on the left complete	231 725		503	Locking ring 18x1.2	020 955
9	Swivel-mounted bearing	253 247		504	Cap screw M8x25	020 142
11	Floating axle on the left	235 829		505	U-washer 8	020 883
13	Take-down roller at the rear complete E5-14	242 463		506	Cap screw M6X12	020 134
15	Take-down roller at the front complete	253 912		507	Set collar A20	020 938
16	Stop point	252 503		508	Setscrew M6x8	022 684
17	Main take-down on/off complete 72"	253 935		509	Oval flange head screw M4x6	235 450



6.2 Take-down motor and right bearing

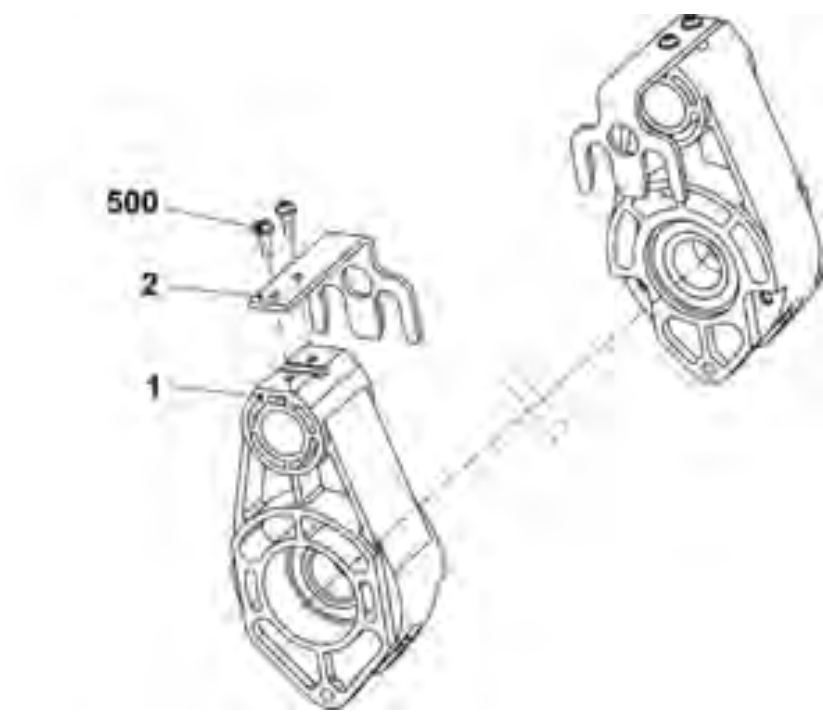
Pos	Designation	Id		Pos	Designation	Id
	Main take-down (continuation)			19	Connection cable winding plate	241 703
1	Clutch set	251 677		500	Screw	251 728
5	Bolts	208 538		502	U-washer 18-200	023 295
8	Mounting plate on the right complete	240 069		503	Locking ring 18x1.2	020 955
9	Swivel-mounted bearing	253 247		504	Cap screw M8x25-12.9	020 142
10	Floating axle on the right	235 830		506	Cap screw M6X12	020 134
12	Motor take-down unit complete	253 803		507	Set collar A20	020 938
16	Stop point	252 503		508	Setscrew M6x8	022 684



6.2 Take-down motor and right bearing

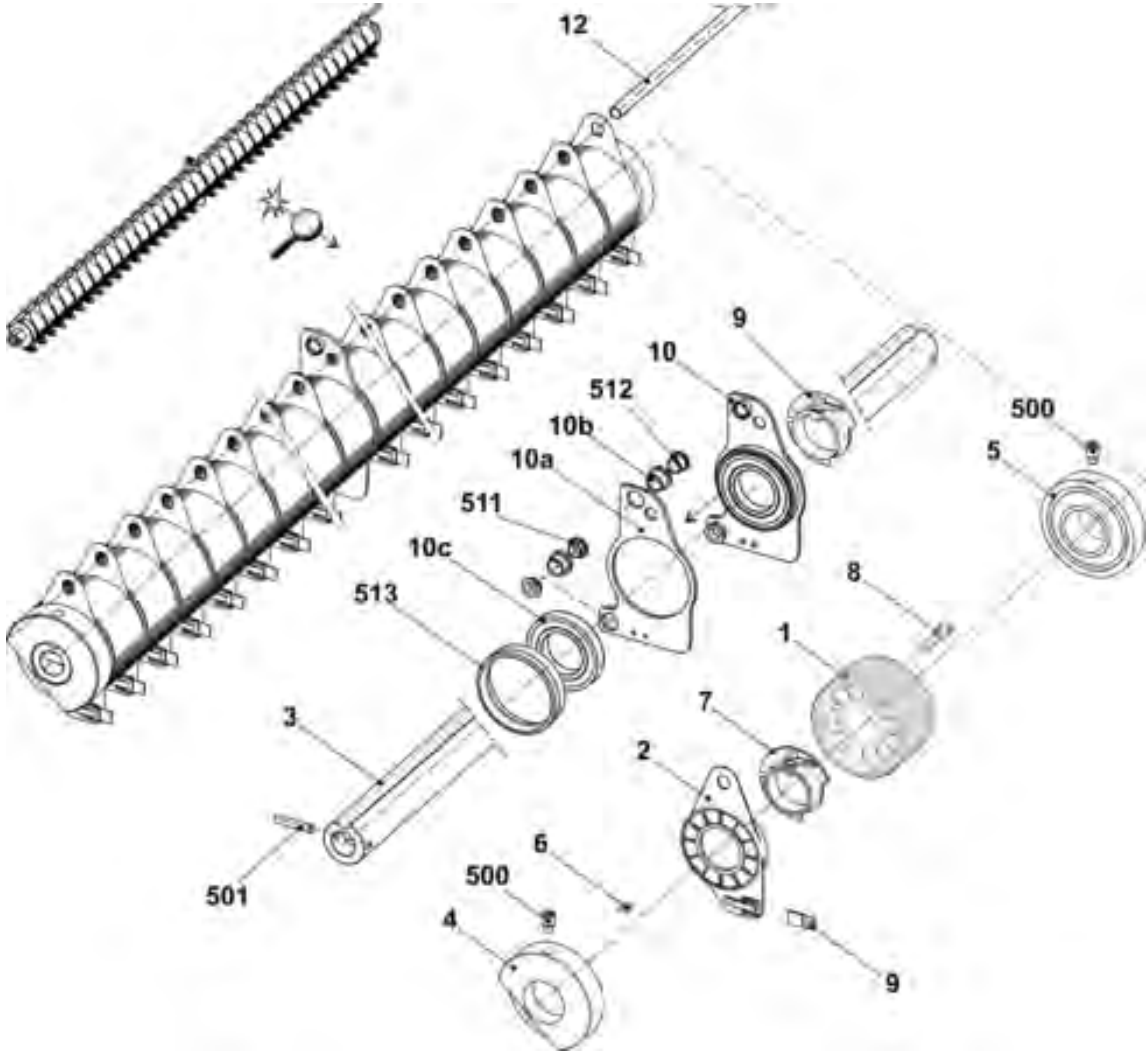
6.2.1 Swivel-mounted bearing

Pos	Designation	Id		Pos	Designation	Id
Σ	Swivel-mounted bearing	253 247		2	Sheet metal support	253 212
1	Swivel-mounted bearing	253 200		500	Screw 35x10	251 729



6.2.2 Rear take-down roller

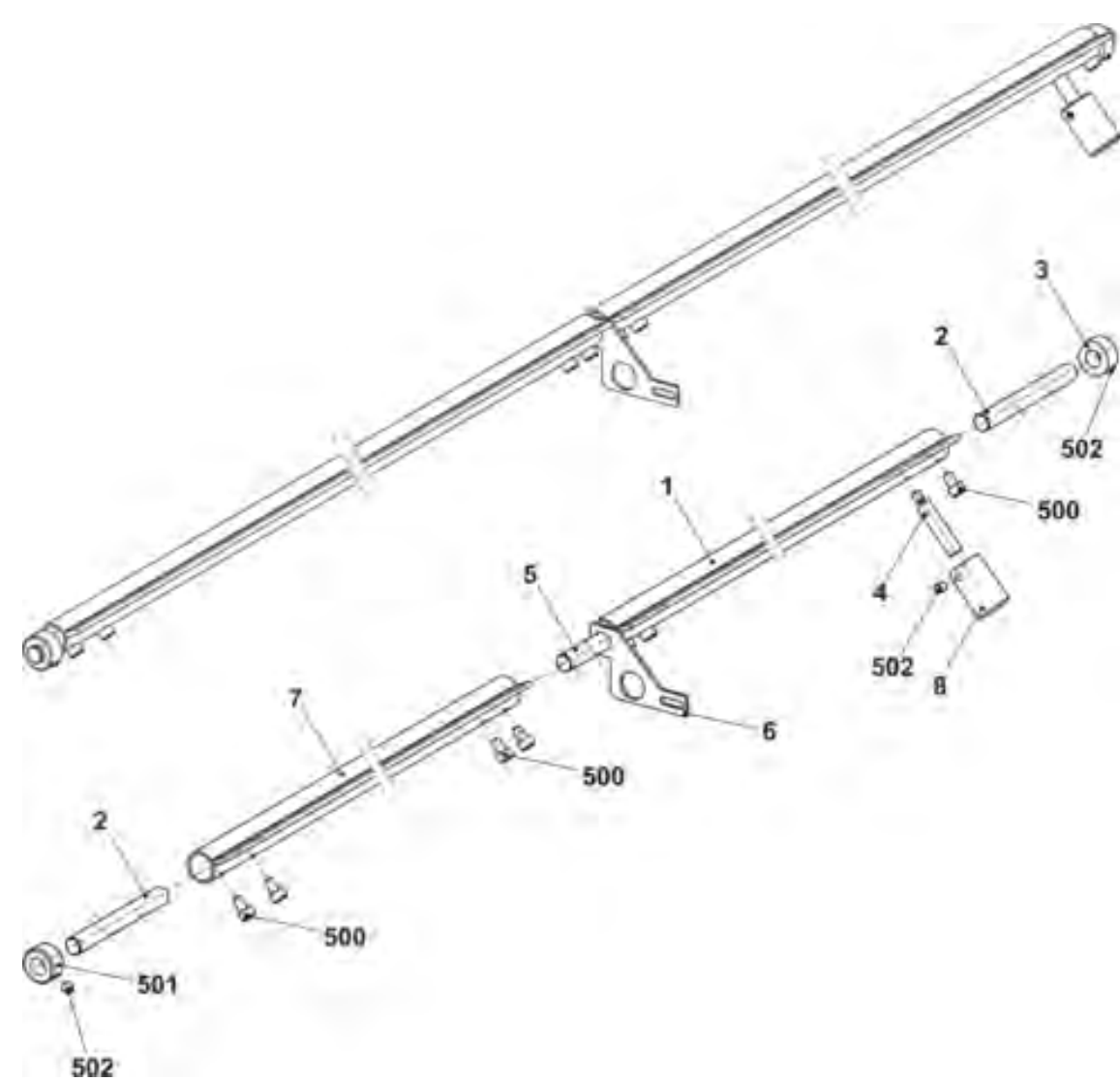
Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller at the rear complete E5-14	242 463		10	Support	232 578
1	Roller	206 770		10a	Supporting plate	232 512
2	Stripper	241 612		10b	Bearing	232 571
3	Shaft	222 147		10c	Ring	222 895
4	Ring on the left	250 573		510	Grooved ball bearing 16007	021 697
5	Ring on the right	250 574		511	Slide bearing GFM-101216-06	023 280
6	Spacer slide	222 062		512	Slide bearing GFM-101216-09	023 356
7	Stop ring on the left	204 369		11	Brush	225 819
8	Spacer slide	240 104		12	Rod	219 218
9	Stop ring on the left	222 910		500	Set screw M6x16-45	020 635
				501	Setting pin 6x32	020 685



6.2 Take-down motor and right bearing

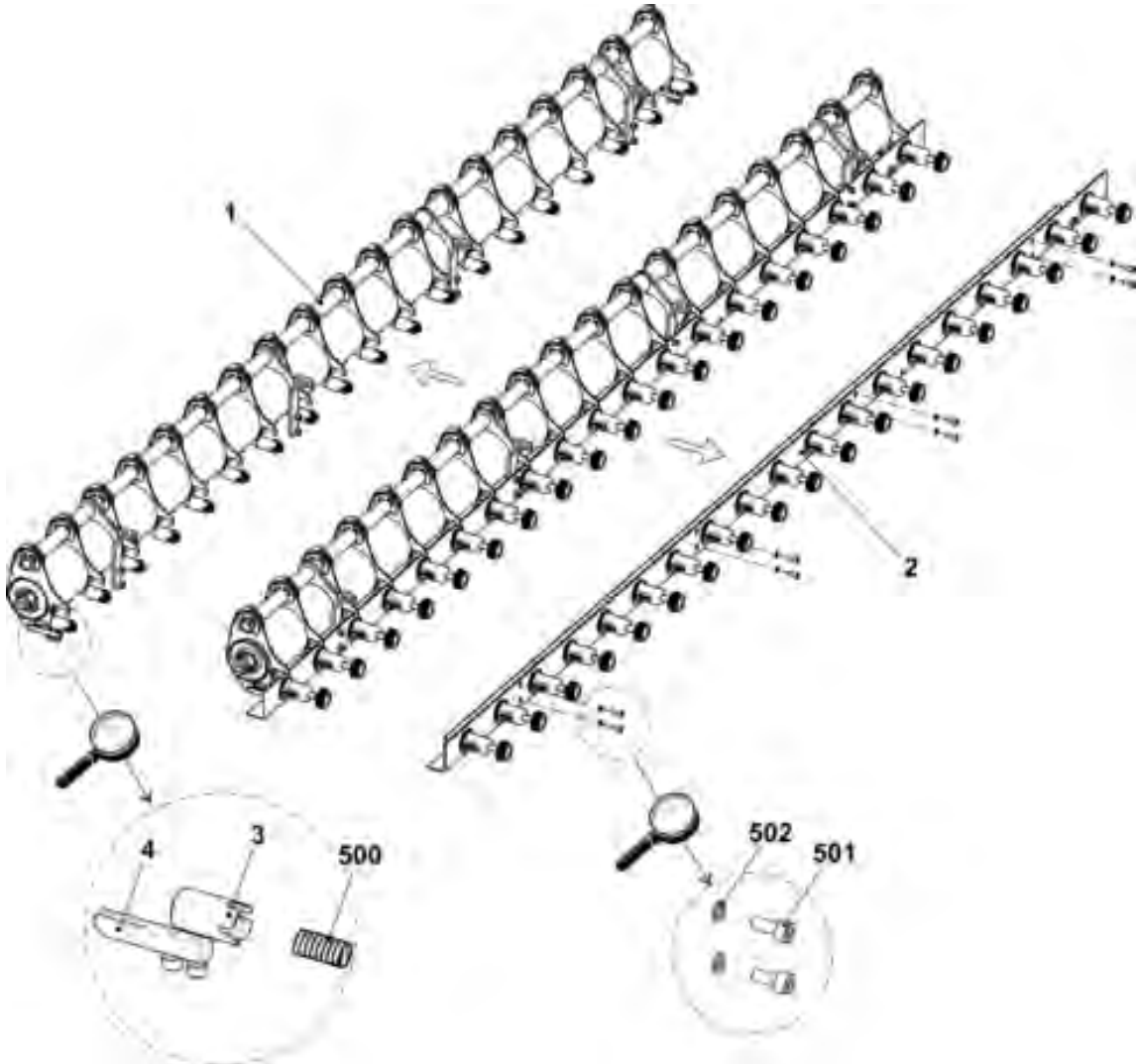
6.2.3 Stripper angle

Pos	Designation	Id		Pos	Designation	Id
Σ	Stripper angle at the rear complete	240 413		6	Strap	235 731
1	Stripper angle on the right	240 414		7	Stripper angle on the left	240 415
2	Shaft	240 127		8	Adjustment weight	229 248
3	Cam	209 278		500	Cap screw M5x8	023 319
4	Bolts	228 310		501	Set collar	020 934
5	Axle	228 803		502	Set screw M5x6	022 738



6.2.4 Front take-down roller

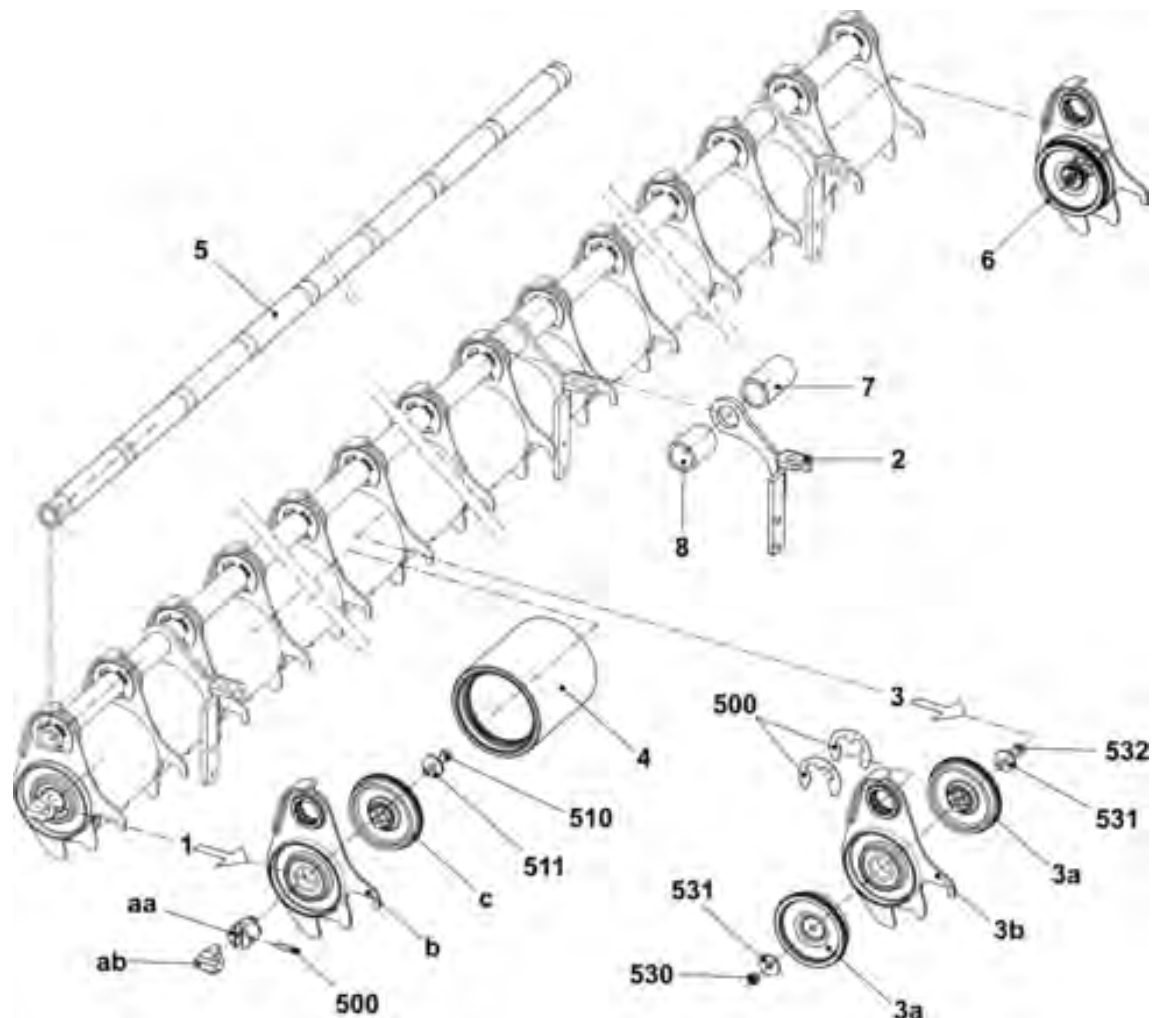
Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down roller at the front complete	253 912		4	Fixed piece	221 935
1	Take-down roller at the front	253 902		500	Compression spring 1x10x30	023 741
2	Angle rail complete	241 828		501	Cap screw M5x12	020 132
3	Pressure sleeve	220 911		502	U-washer 5-200	020 880



6.2 Take-down motor and right bearing

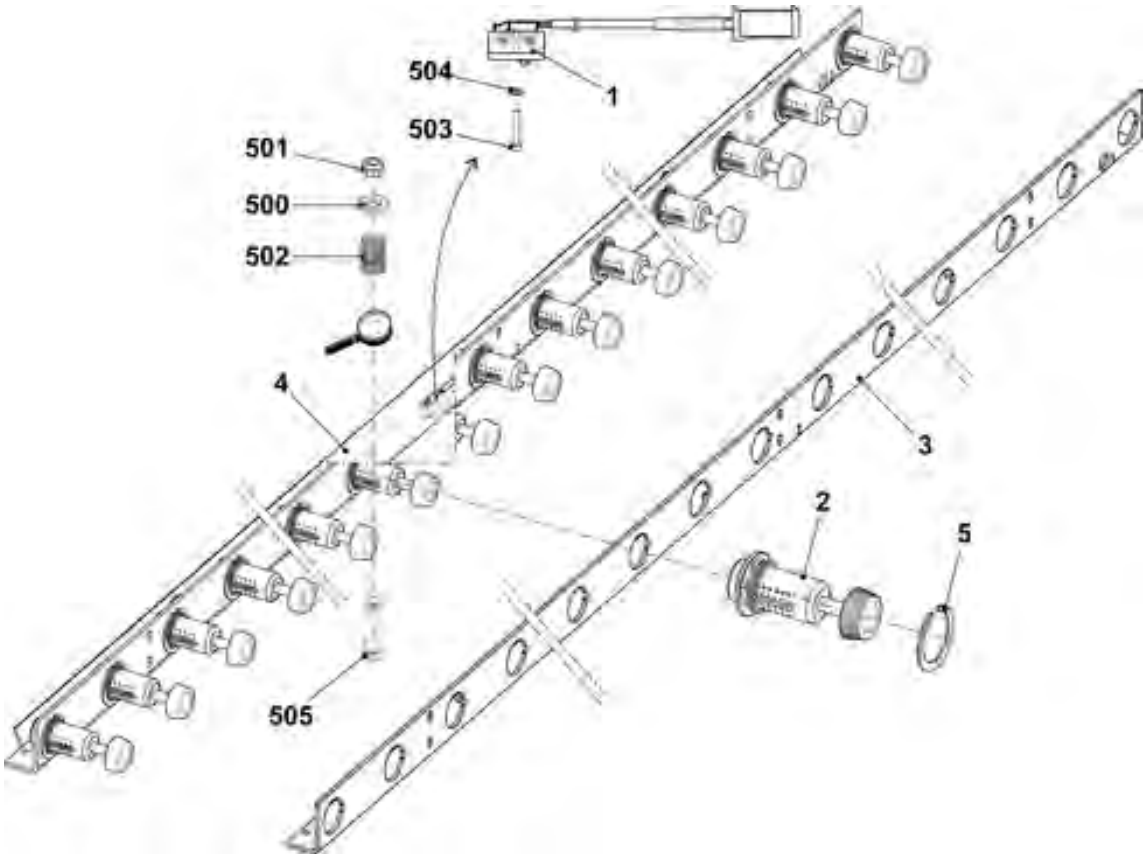
6.2.4.1 Front roller elements

Pos	Designation		Id		Pos	Designation		Id	
Σ	Take-down roller at the front		253 902						
1	Bearing support on the left complete		221 225		3	532	Cap screw M5X30		022 396
	aa	adaptor	221 132		4	Roller		220 905	
	from	Universal joint	221 137		5	Tube		222 151	
	b	Bearing support	220 913		6	Bearing support on the right complete		221 240	
	c	Gear wheel	220 910			aa	adaptor	221 132	
	510	Cap screw M5X20	020 133			from	Universal joint	221 137	
	511	Washer 5-100hv	023 542			b	Bearing support	220 913	
	500	Spring dowel sleeve 4x20	023 551			c	Gear wheel	220 910	
2	Support		251 557			510	Cap screw M5X20	020 133	
3	Bearing support complete		221 241			511	Washer 5-100hv	023 542	
	3b	Bearing support	220 913			500	Spring dowel sleeve 4x20	023 551	
	3a	Gear wheel	220 910		7	Distance pipe on the right		253 407	
	530	Hexagon nut M5-8	023 541		8	Distance pipe on the left		253 408	
	531	Washer 5-100hv	023 542		500	Circlip		021 025	



6.2.4.2 Pressure angle rail

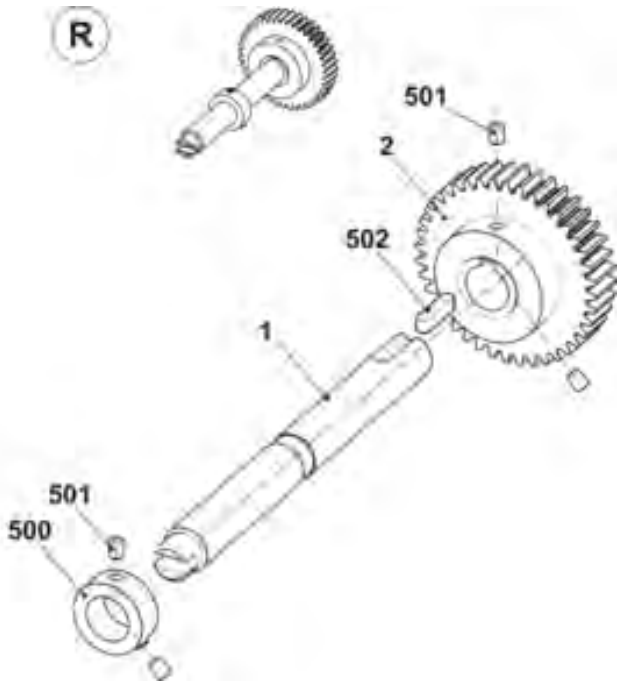
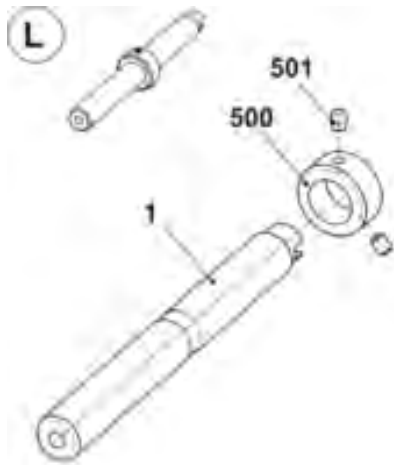
Pos	Designation	Id		Pos	Designation	Id
Σ	Angle rail complete	241 828		500	U-washer 6	022 431
1	Switch complete with cable	221 265		501	Hexagon nut M5-8	023 541
2	Spring flange	242 327		502	Compression spring 0.8x9.2x27.5	023 537
3	Angle rail	241 774		503	Cap screw M2X12	023 522
4	Winding plate	222 105		504	U-washer 2-200	022 908
5	Locking ring	242 325		505	Shoulder screw M5x20x5	023 675



6.2 Take-down motor and right bearing

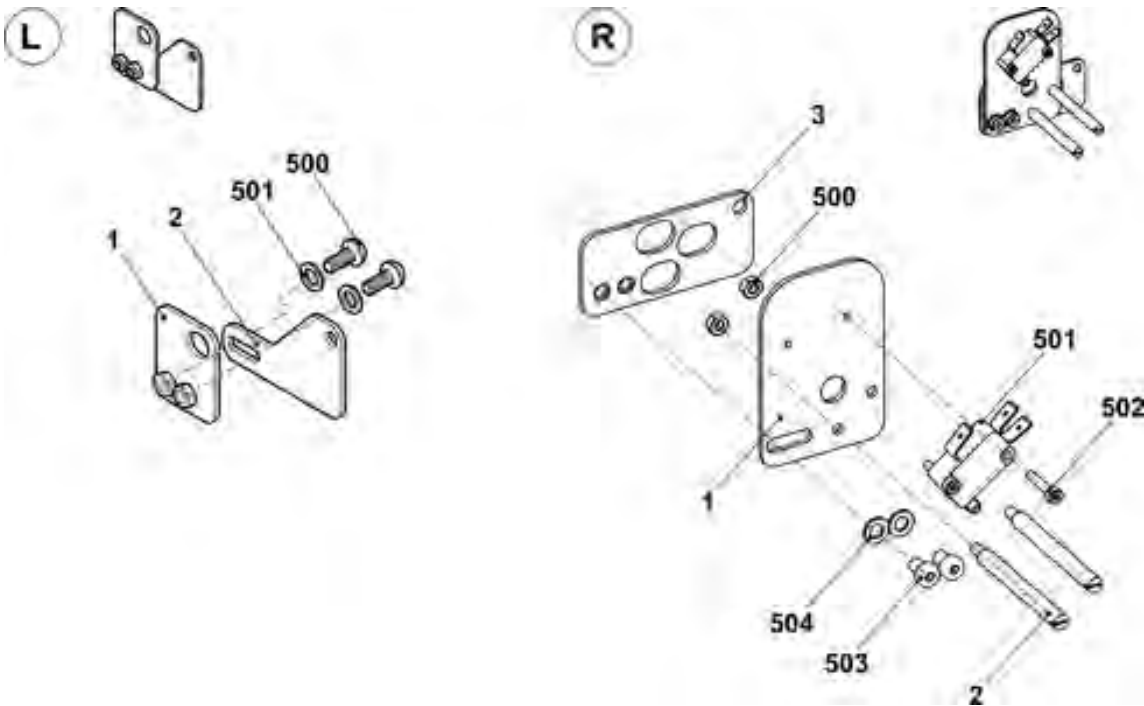
6.2.5 Floating axle

Pos	Designation	Id		Pos	Designation	Id
Σ L	Floating axle on the left	235 829		Σ R	Floating axle on the right	235 830
1	Shaft on the left at the front	235 827		1	Shaft on the right in front	235 826
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



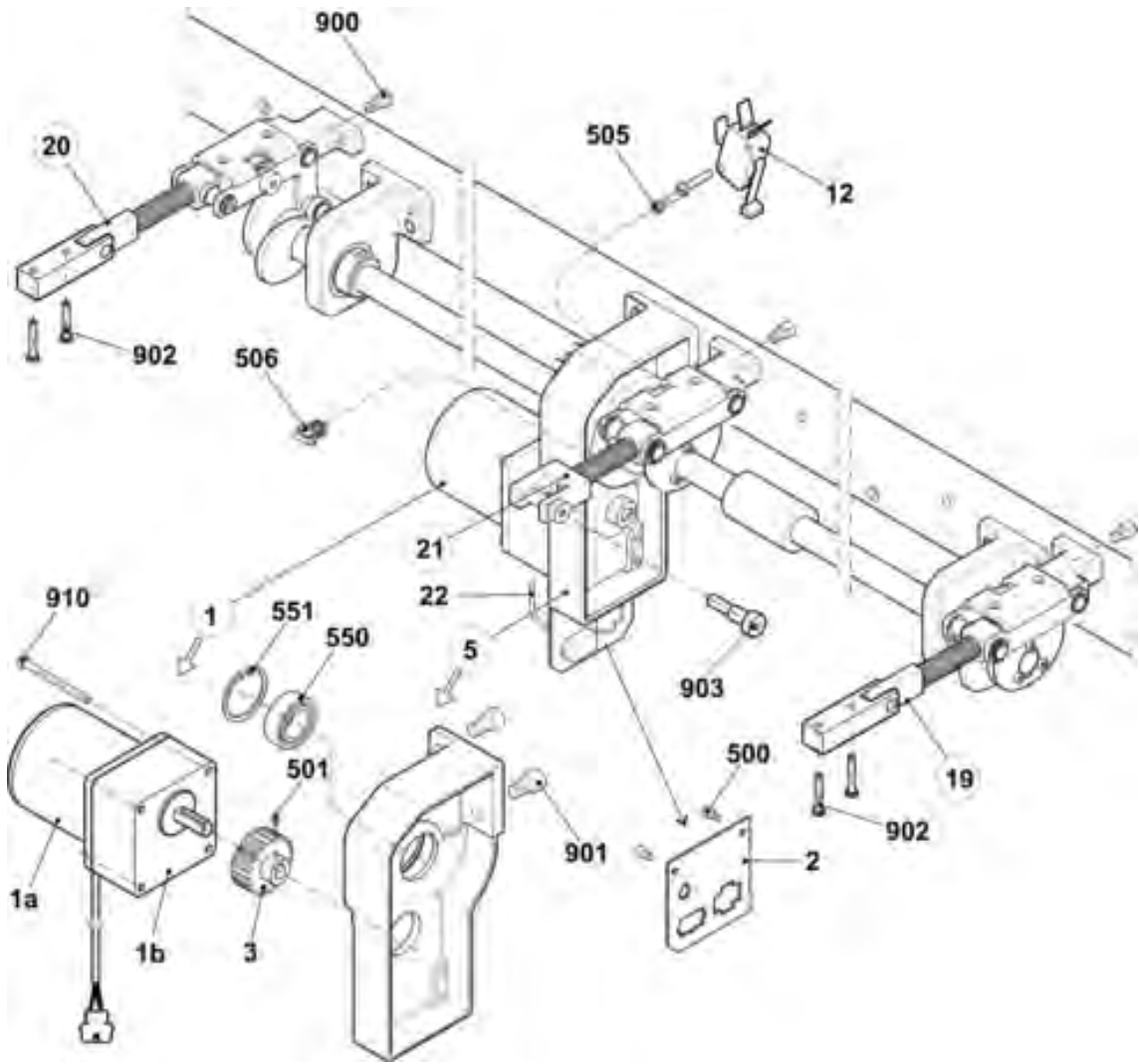
6.2.6 Mounting plate

Pos	Designation	Id		Pos	Designation	Id
Σ L	Mounting plate on the left complete	231 725		Σ R	Mounting plate on the right complete	240 069
1	Mounting plate on the left	231 541		1	Mounting plate on the right	240 068
2	Retaining plate on the left	231 539		2	Setscrew	240 067
500	Countersunk screw M5x10	023 247		3	Retaining plate on the right	240 066
501	Serrated lock washer J6.4	022 489		500	Hexagon nut M4-6	022 536
				501	Microswitch	026 259
				502	Cap screw M3X16	022 583
				503	Cap screw M5x8	244 278
				504	U-washer 5-200	020 871



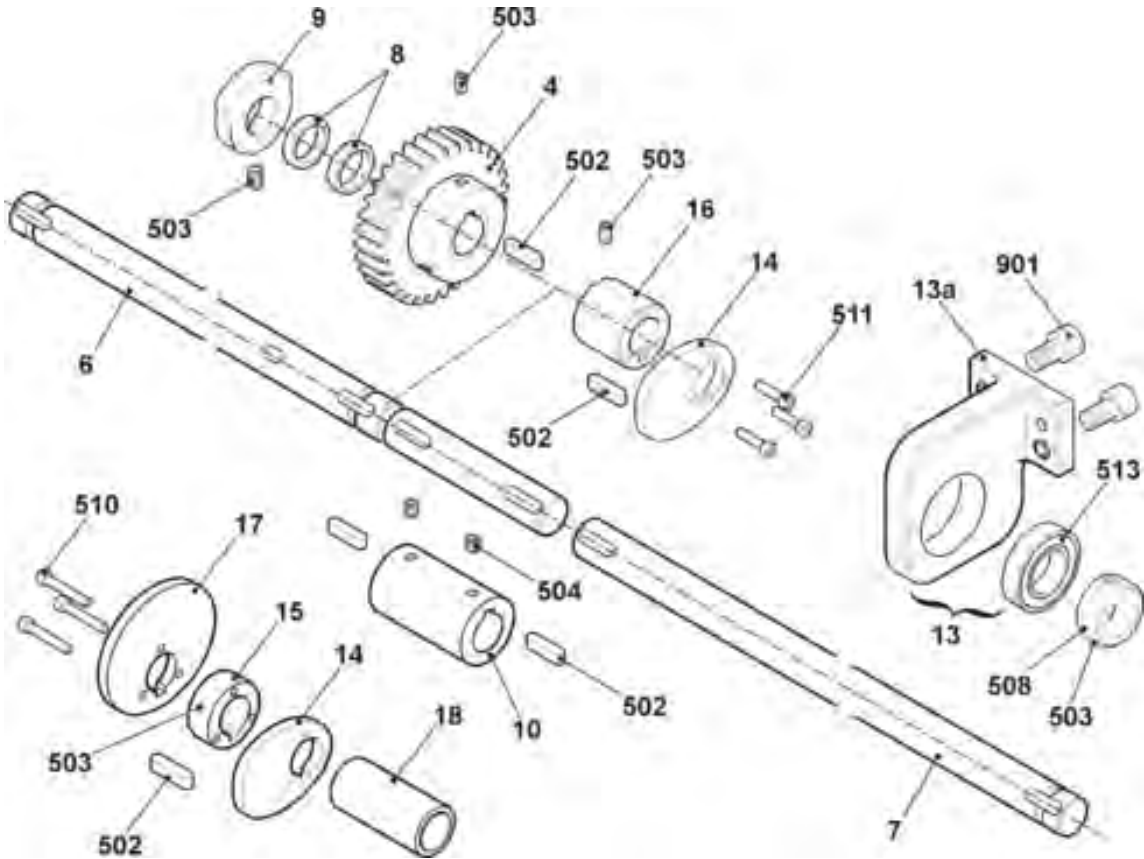
6.3 Take-down closing device

Pos	Designation		Id		Pos	Designation		Id
Σ	Main take-down on/off complete		253 935					
1	Motor complete		235 246		20	Swivel holder on the left complete		253 388
	1a	Motor 25W	232 456		21	Swivel holder in the middle complete		239 188
	1b	Gear	234 983		22	Cable switch HAAB open		232 442
	910	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		235 247		506	Assembling element		209 543
	550	Deep groove ball bearing 6004-2Z	022 720		900	Cap screw M6X14		022 658
	551	Locking ring 42x1.75	023 293		901	Cap screw M10X16		023 895
12	Microswitch XGK2-S21 250 VAC		210 510		902	Screw 50x30		253 257
19	Swivel support on the right complete		253 389		903	Cap screw 10x25		023 751



6.3.1 Closer shaft

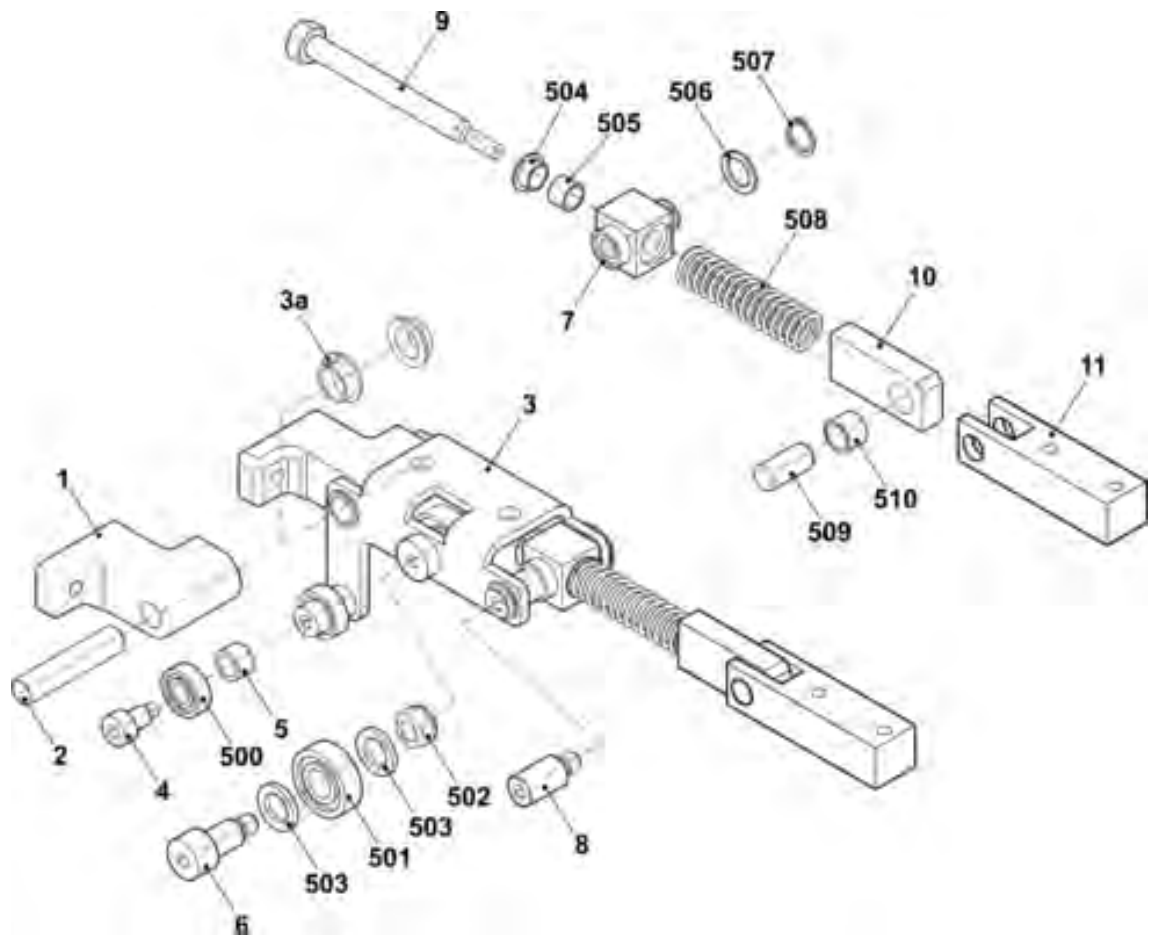
Pos	Designation	Id		Pos	Designation	Id
Σ	Main take-down on/off complete	253 935		16	Guide bush	235 623
4	Gear wheel	213 744		17	Eccentric	232 382
6	Shaft	235 618		18	Distance pipe	235 128
7	Shaft	235 619		502	Feather key A 6x6x25	023 017
8	Threaded spacer	232 385		503	Setscrew M6x8	023 723
9	Trip cam	232 383		504	Set screw M6x5	023 192
10	Coupling	232 604		508	Set collar A20	020 938
13	Support on the outside complete	235 248		510	Cap screw M4x25	023 302
	13a Support	234 780		511	Cap screw M4x14	023 604
14	Eccentric	235 135		513	Deep groove ball bearing 6004-2Z	022 720
15	Guide bush	234 876		901	Cap screw M10x16	023 895



6.3 Take-down closing device

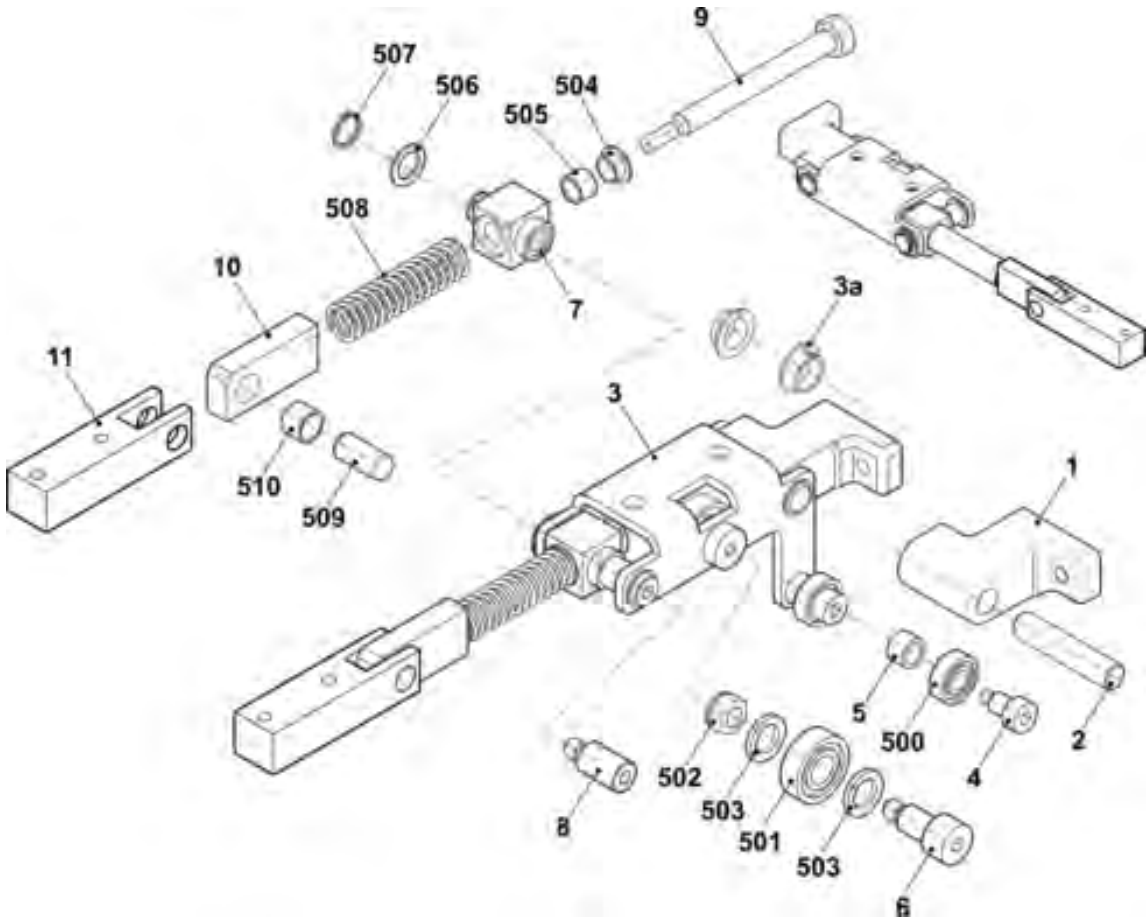
6.3.2 Right swivel support

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	Deep groove 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	Adjusting washer 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	Locking 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



6.3.3 Left swivel holder

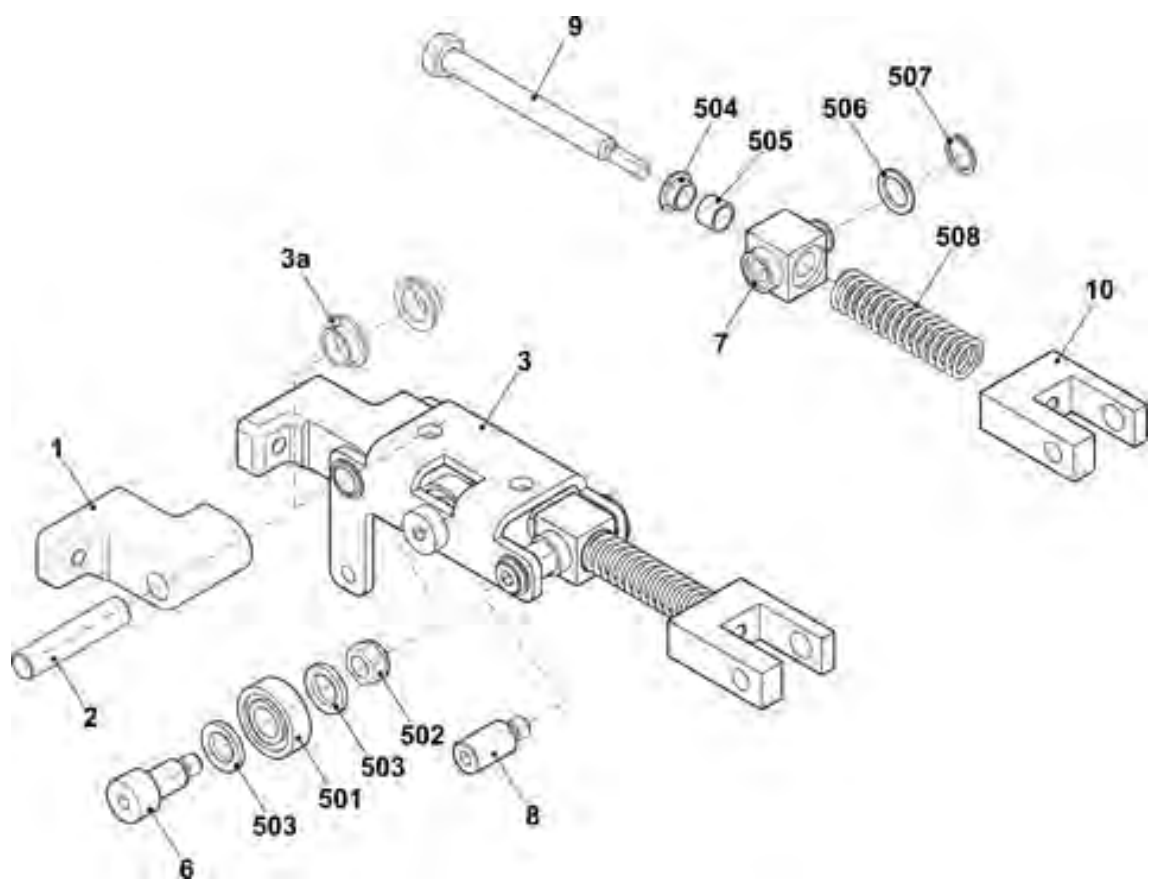
Pos	Designation	Id	Pos	Designation	Id
Σ	Swivel holder on the left complete	253 388	11	Lever	253 199
1	Support	239 163	500	Grooved ball bearing 619/8-2RS	023 728
2	Bearing pin	239 164	501	Deep groove ball bearing 6000-2Z	022 599
3	Bow on the left	239 184	502	Hexagon nut M8-8	022 843
3a	Clip bearing 11-MCM-12-04	023 639	503	Adjusting washer 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	Locking 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



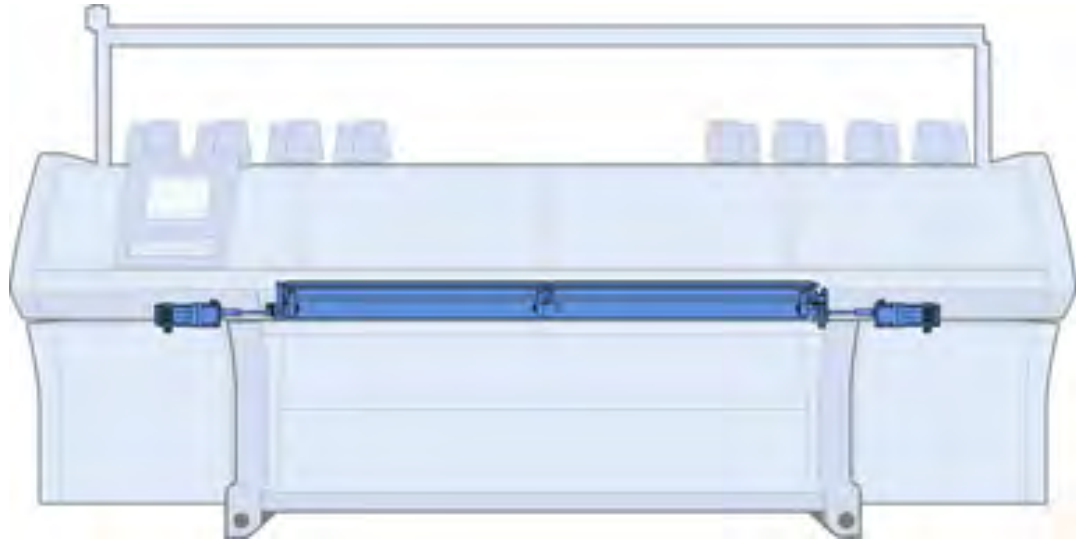
6.3 Take-down closing device

6.3.4 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	Deep groove ball bearing 6000-2Z	022 599
2	Bearing pin	239 164		502	Hexagon nut M8-8	022 843
3	Bow	238 974		503	Adjusting washer 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	Locking ring 12x1	020 951
9	Spring mandrel on the inside	232 388		508	Compression spring 2.5x12.5x67.5	023 743

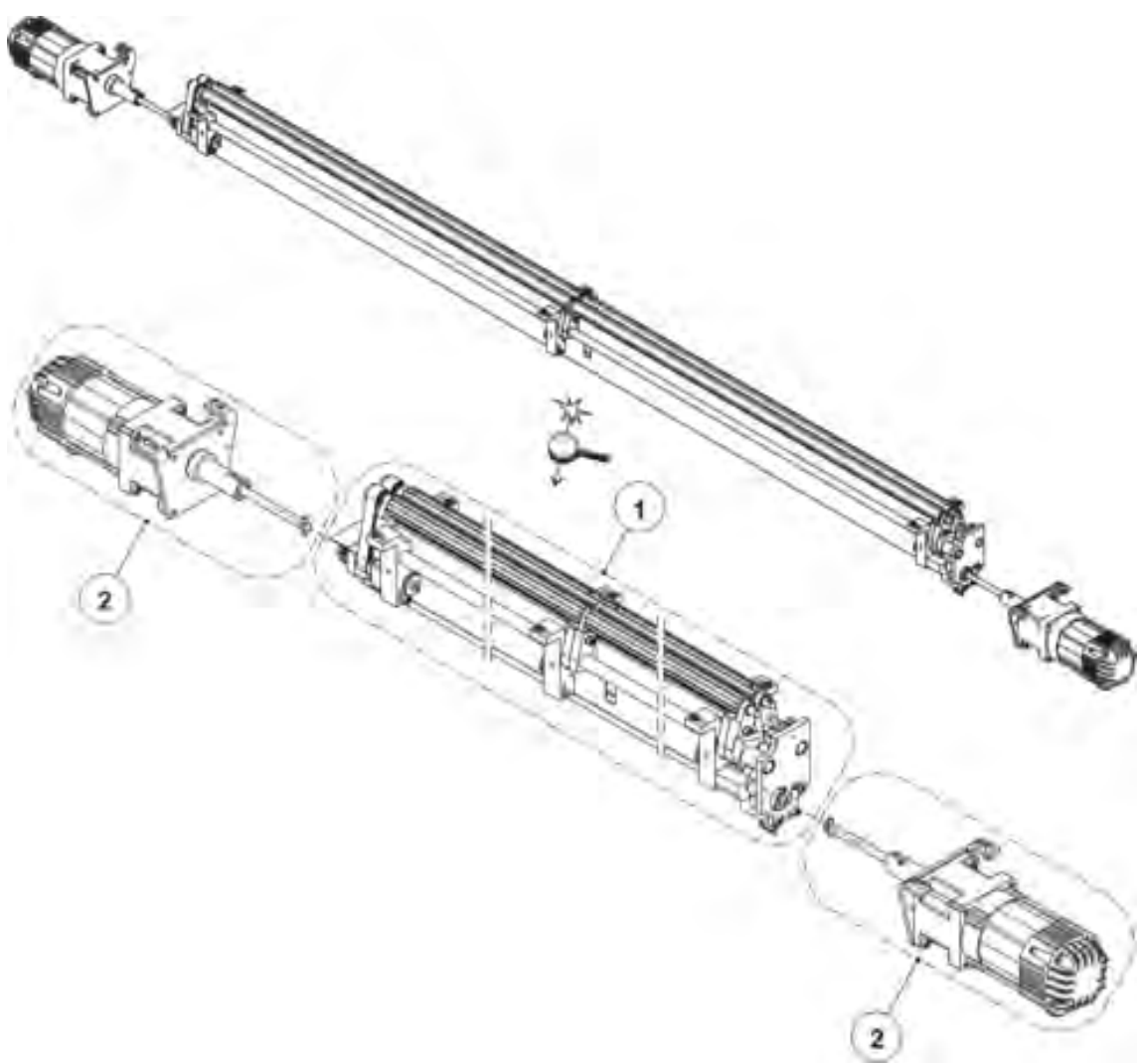


7 Auxiliary take-down



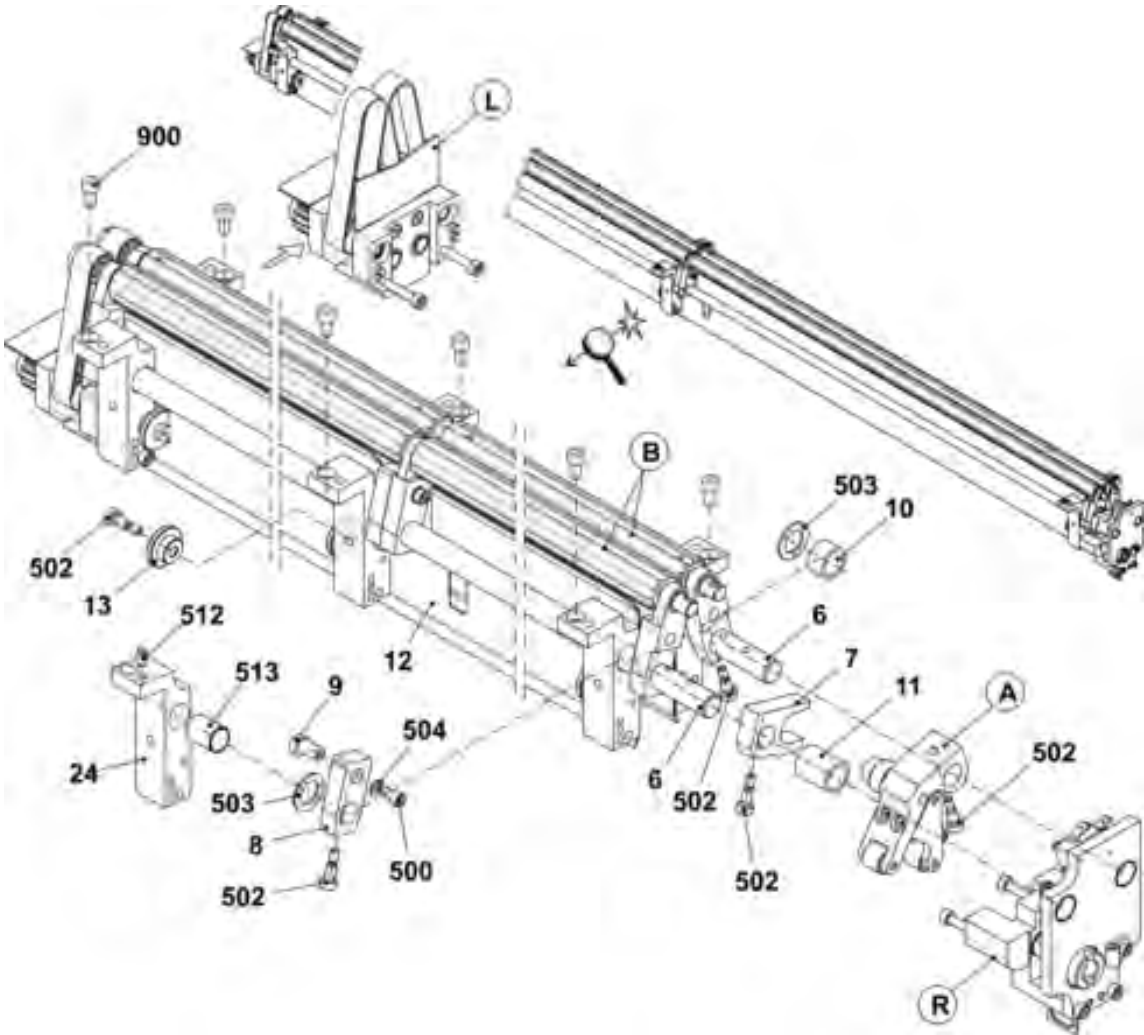
7.1 Auxiliary take-down

Pos	Designation	Id		Pos	Designation	Id
Σ	Auxiliary take-down					
1	Auxiliary take-down pre-assembled	254 945		2	Motor with 2 phases auxiliary take-down complete	235 602



7.1.1 Auxiliary take-down pre-assembled

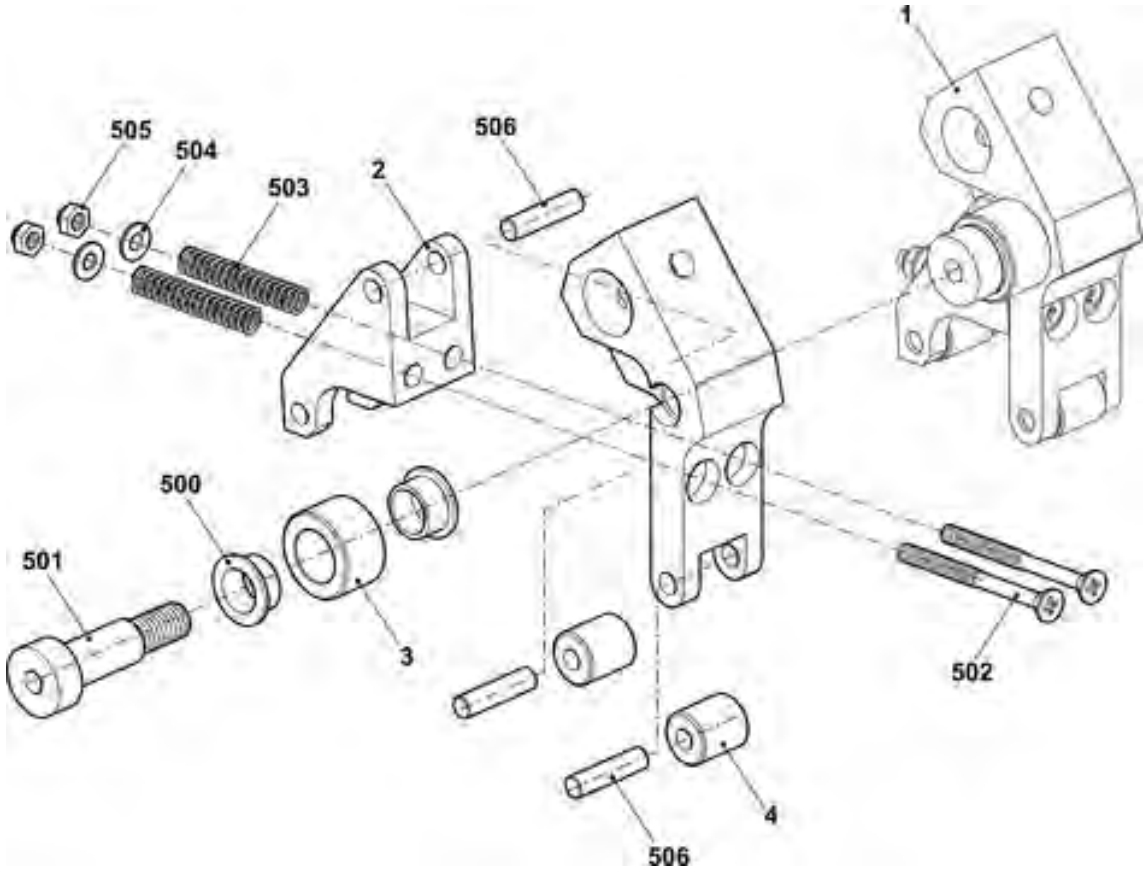
Pos	Designation	Id		Pos	Designation	Id
Σ	Auxiliary take-down pre-assembled	254 945				
6	Contact shaft	235 595		B	Take-down roller	235 601
7	Lever	235 164		L	Bearing on the left	236 894
8	Clamping lever	235 156		R	Bearing on the right	235 353
9	Eccentric	236 952		500	Cap screw M5x10	022 918
10	Distance pipe	235 189		502	Cap screw 6x10	235 448
11	Distance pipe	235 192		503	Stop disc GTM-1524-015	235 447
12	Cover plate	235 596		504	Disc 5	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

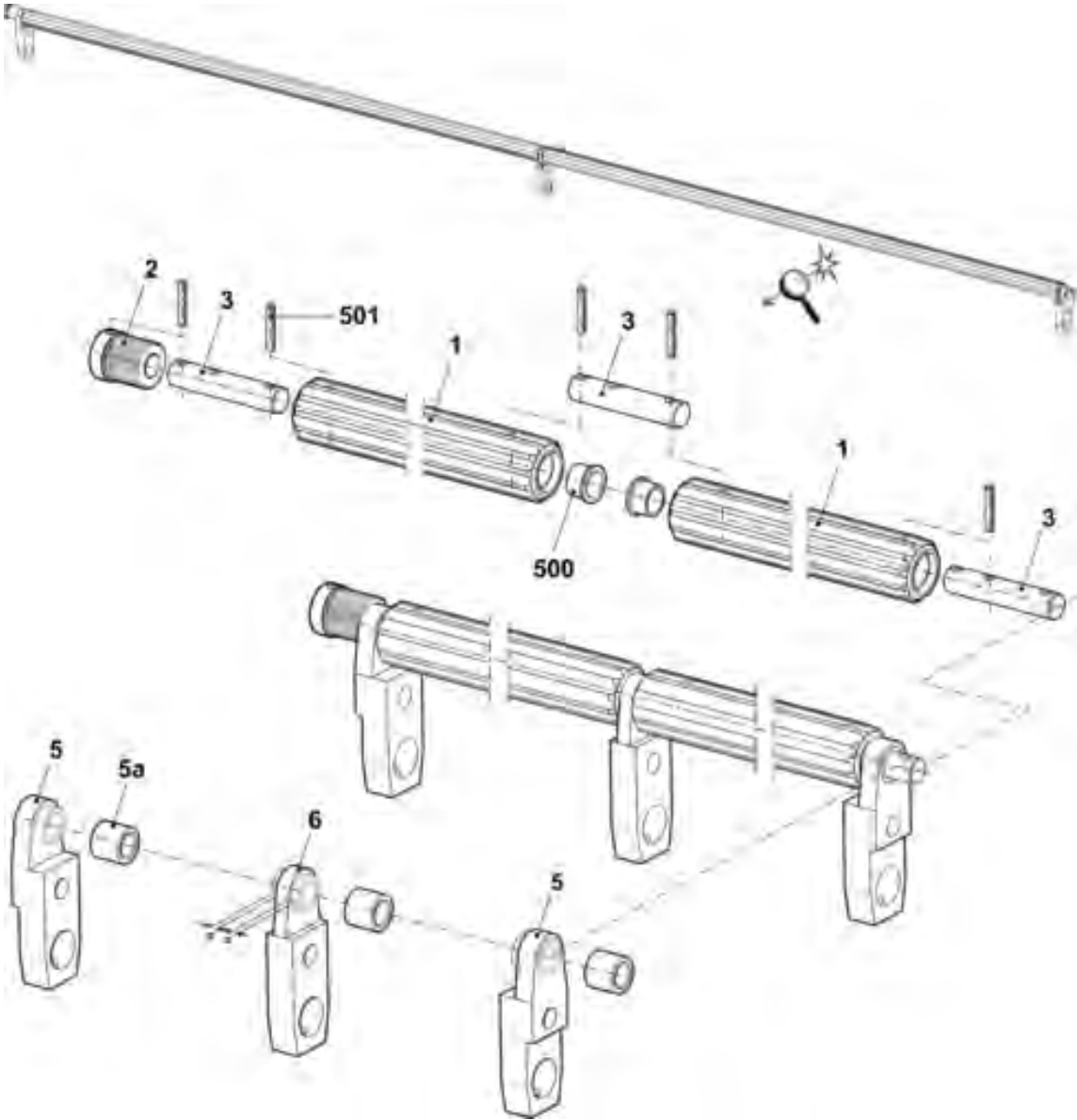
7.1.1.1 Contact lever

Pos	Designation	Id		Pos	Designation	Id
Σ	Contact lever complete	235 356		501	Cap screw 10x16-12.9	023 748
1	Lever	235 172		502	Countersunk screw 1-M4x45	023 291
2	Toggle	235 173		503	Compression spring 1,6x6,4x27,1	023 288
3	Roller	235 176		504	Washer 4-200HV	020 870
4	Roll	235 171		505	Hexagon nut M4-8	023 046
500	Slide bearing GFM-10x1216-06	023 280		506	Dowel pin 5x22-A-ST	023 716



7.1.1.2 Take-down roller

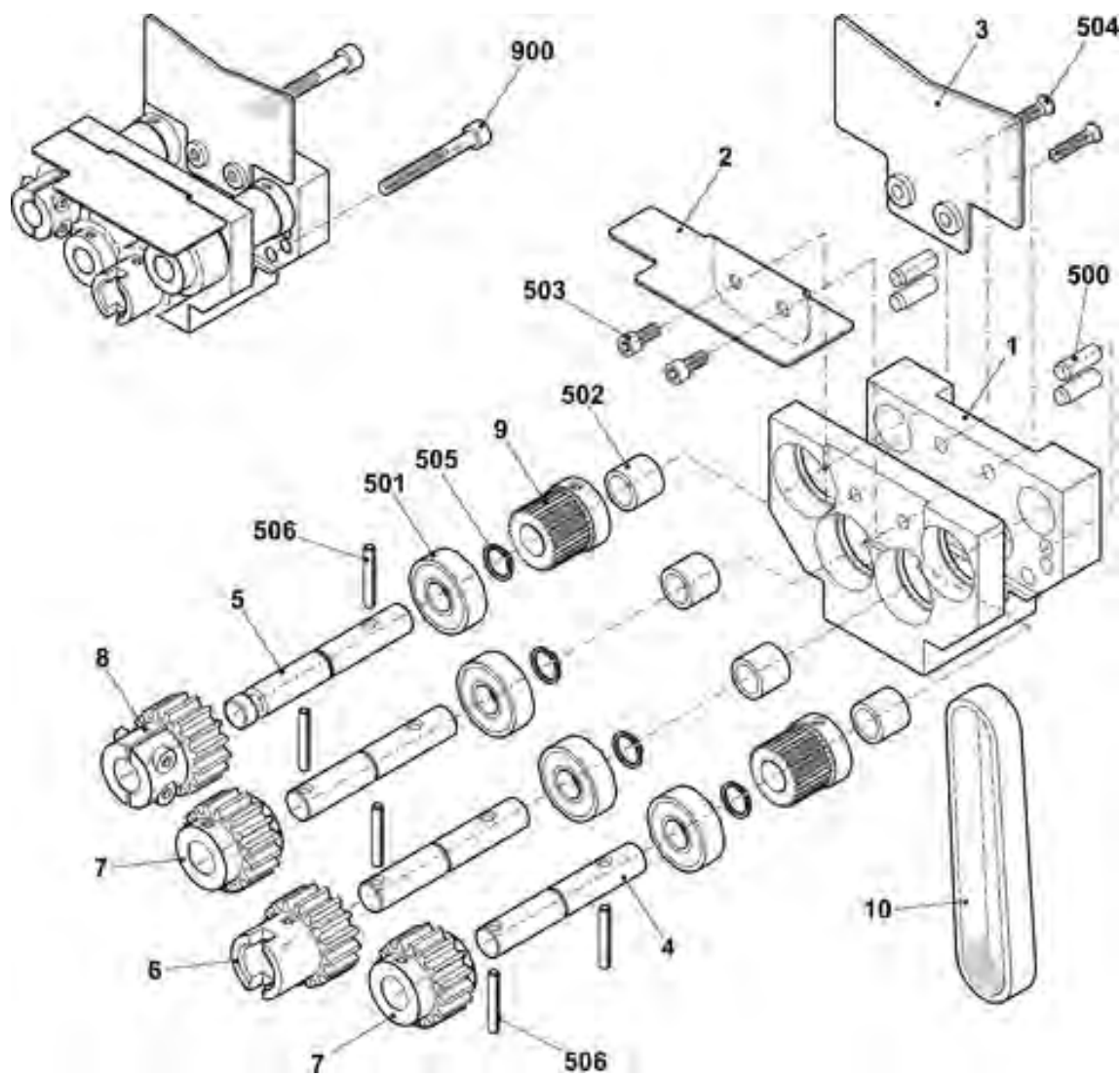
Pos	Designation		Id		Pos	Designation		Id
Σ	Take-down roller complete		235 601		6	Lever bearing in the middle complete		235 359
1	Take-down roller		236 957		500	Slide bearing GFM-101214-07		023 627
2	Timing belt pulley		237 043		501	Spring dowel sleeve 3x18		237 059
3	Bolts		236 973					
5	Lever bearing on the right/left complete		235 358					
	5a	Needle roller bearing 10x14x10	023 665					



7.1 Auxiliary take-down

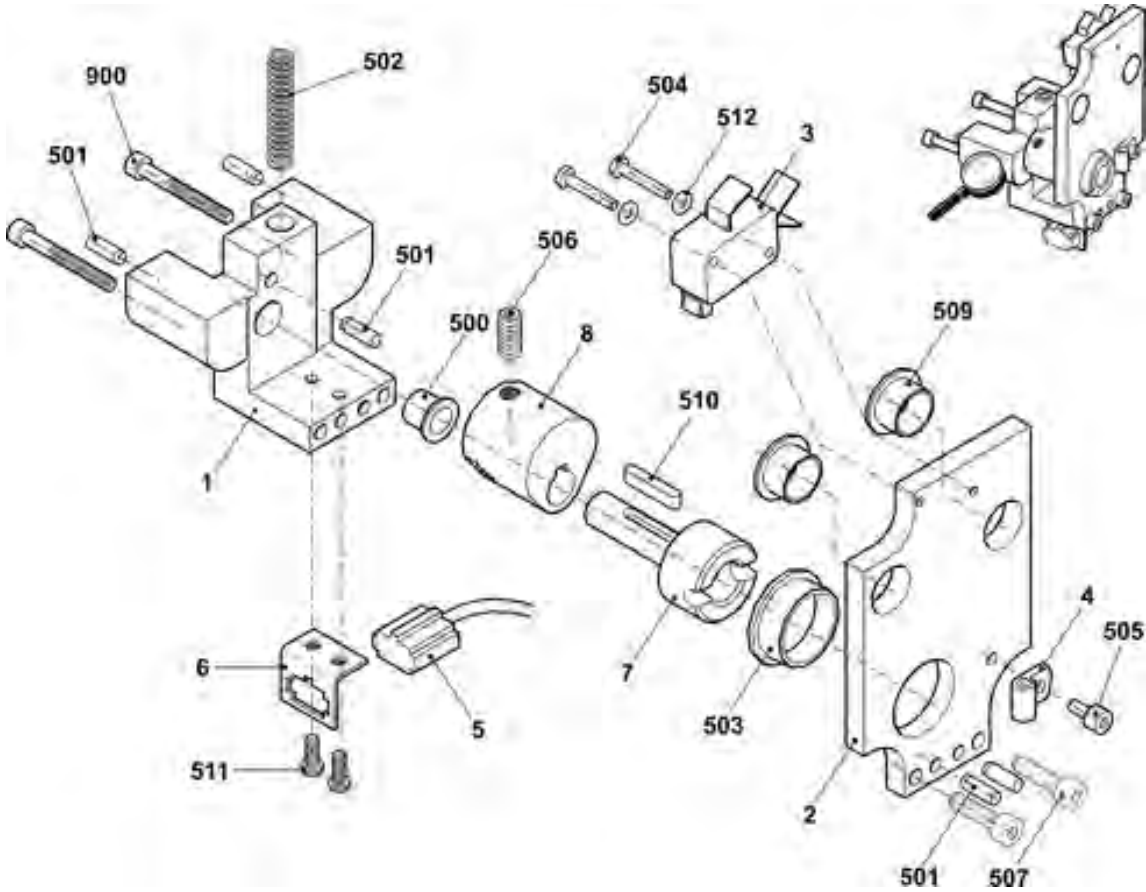
7.1.1.3 Left bearing of the auxiliary take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the left	236 894			
1	Drive bearing	237 422	9	Timing belt pulley	237 043
	500 Setting pin 5x12	021 988	10	Toothed belt HPS5M NG CLEAN	237 118
2	Cover plate	236 970	501	Grooved ball bearing 61900-2RS1	023 714
3	Cover plate	237 037	502	Needle roller bearing 10x14x10	023 664
4	Bolts	236 964	503	Cap screw M4x8	022 501
5	Bolts	236 963	504	Countersunk screw M4x12	023 062
6	Gear wheel	236 914	505	Locking ring 10x1	020 950
7	Gear wheel	236 916	506	Spring dowel sleeve 3x18	237 059
8	Gear wheel	236 917	900	Cap screw M5x35	022 879



7.1.1.4 Right bearing of the auxiliary take-down

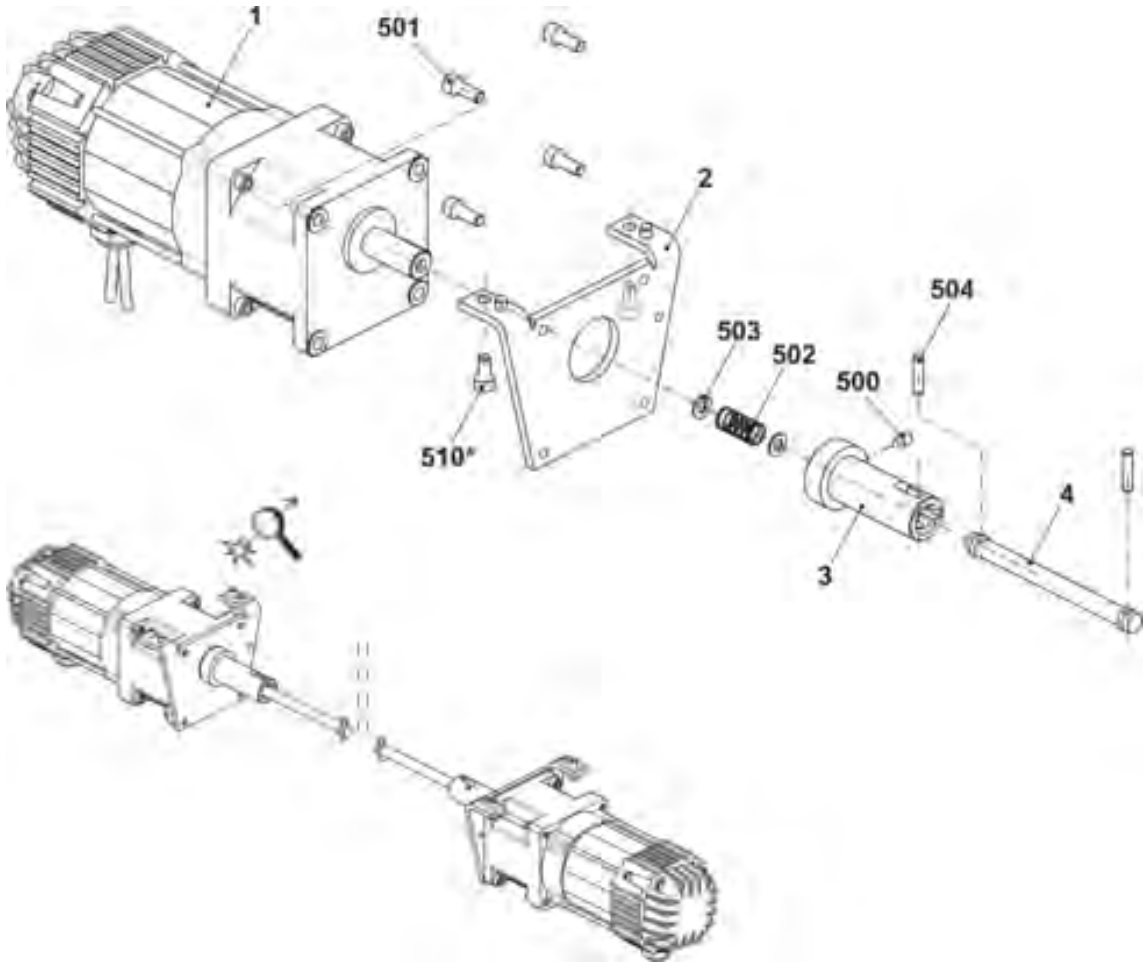
Pos	Designation	Id	Pos	Designation	Id
Σ	Bearing on the right	235 353	502	Compression spring 1,6x6,4x27,1	023 288
1	Bearing on the right	237 520	503	Slide bearing GFM-2427-07	023 712
	501 Setting pin 5x12	021 988	504	Hexagon screw M3x16	237 058
2	Plate	235 168	505	Cap screw M4x8	022 501
3	Microswitch	026 259	506	Setscrew M6x12	023 724
4	Cable clip N-3B 5 mm	210 729	507	Cap screw M5x16	022 726
5	Cable switch HIAB	235 027	509	Slide bearing GFM-1517-09	235 342
6	Sheet metal for plug	236 068	510	Feather key A 4x4x20	235 349
7	Shaft	235 159	511	Pan-head screw M4x8	023 579
8	Eccentric	235 165	512	U-washer 3	020 877
500	Slide bearing GFM-101216-09	023 356	900	Cap screw M5X35	022 879



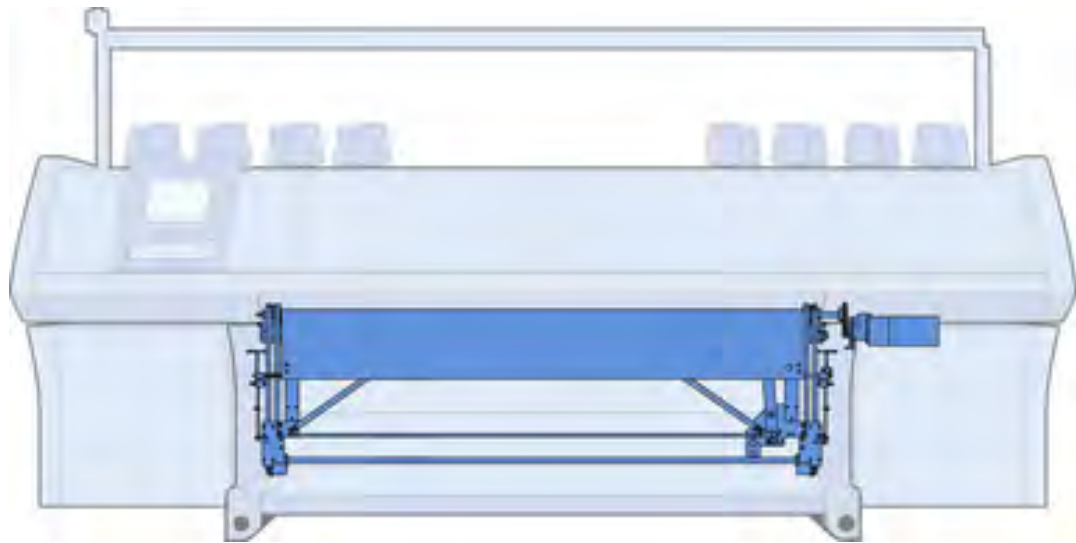
7.1 Auxiliary take-down

7.1.2 Motor auxiliary take-down complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Motor with 2 phases auxiliary take-down complete	235 602				
1	Motor	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	Adjusting washer 6x12x1	023 444
4	Shaft	235 300		504	Dowel pin 5x22-A-ST	023 716
500	Set screw M6x10	023 543		510*	Cap screw M6x12	020 134

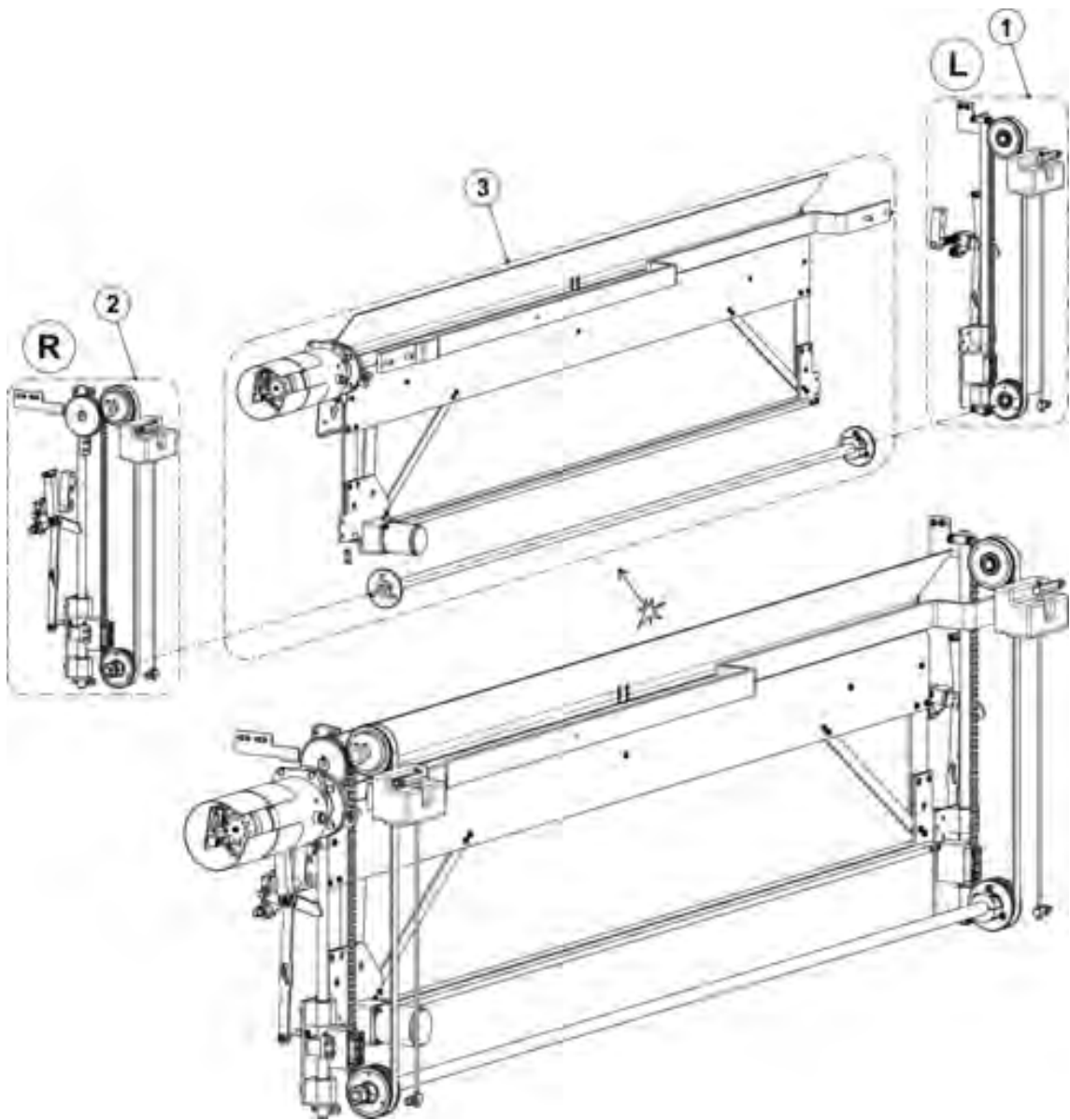


8 Comb take-down



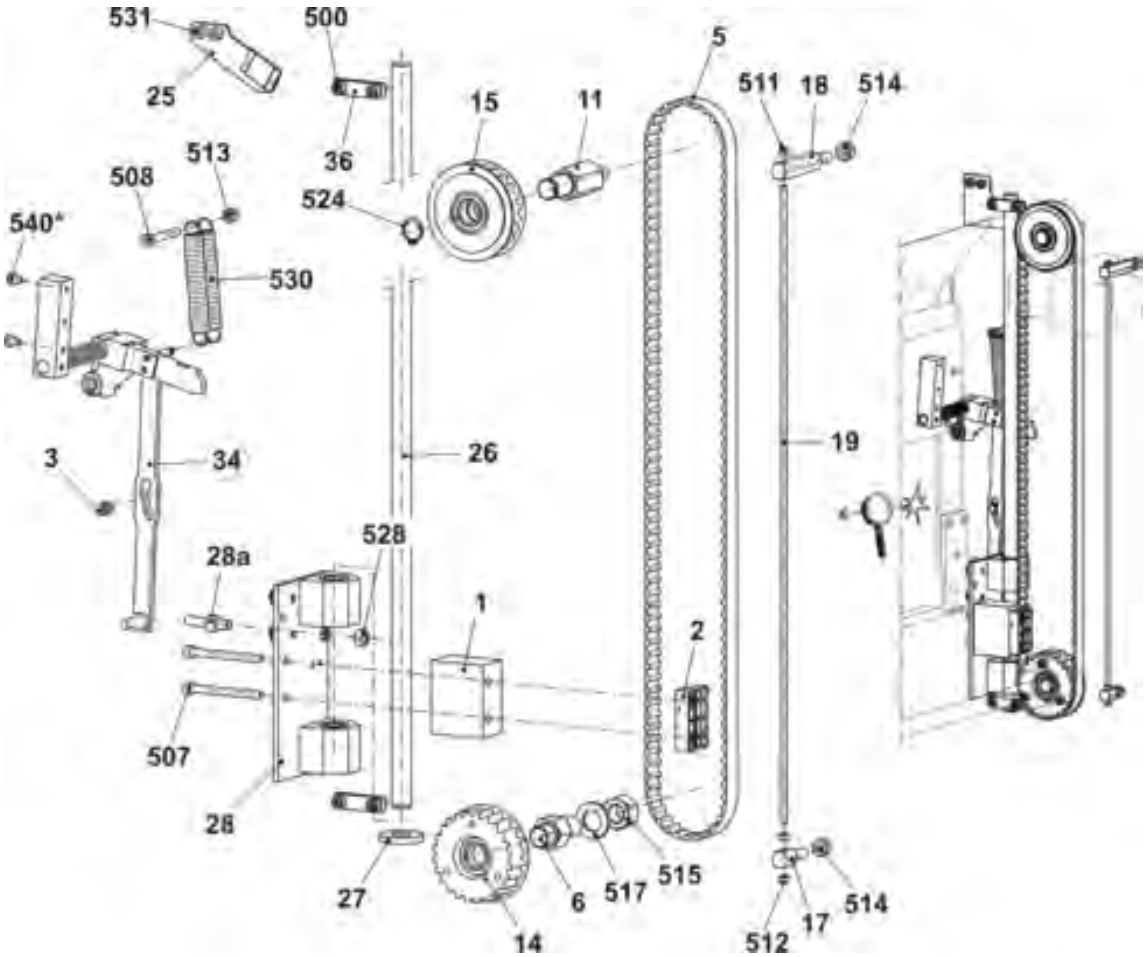
8.1 Comb take-down

Pos	Designation	Id		Pos	Designation	Id
Σ	Comb take-down			3	Comb take-down in the middle E3,5.2	254 961
1	Comb take-down on the left	256 838			Comb take-down in the middle E5.2	254 962
2	Comb take-down on the right	256 839			Comb take-down in the middle E6.2	254 935
					Comb take-down in the middle E7.2	254 964
					Comb take-down in the middle E9.2	254 965



8.1.1 Comb take-down on the left

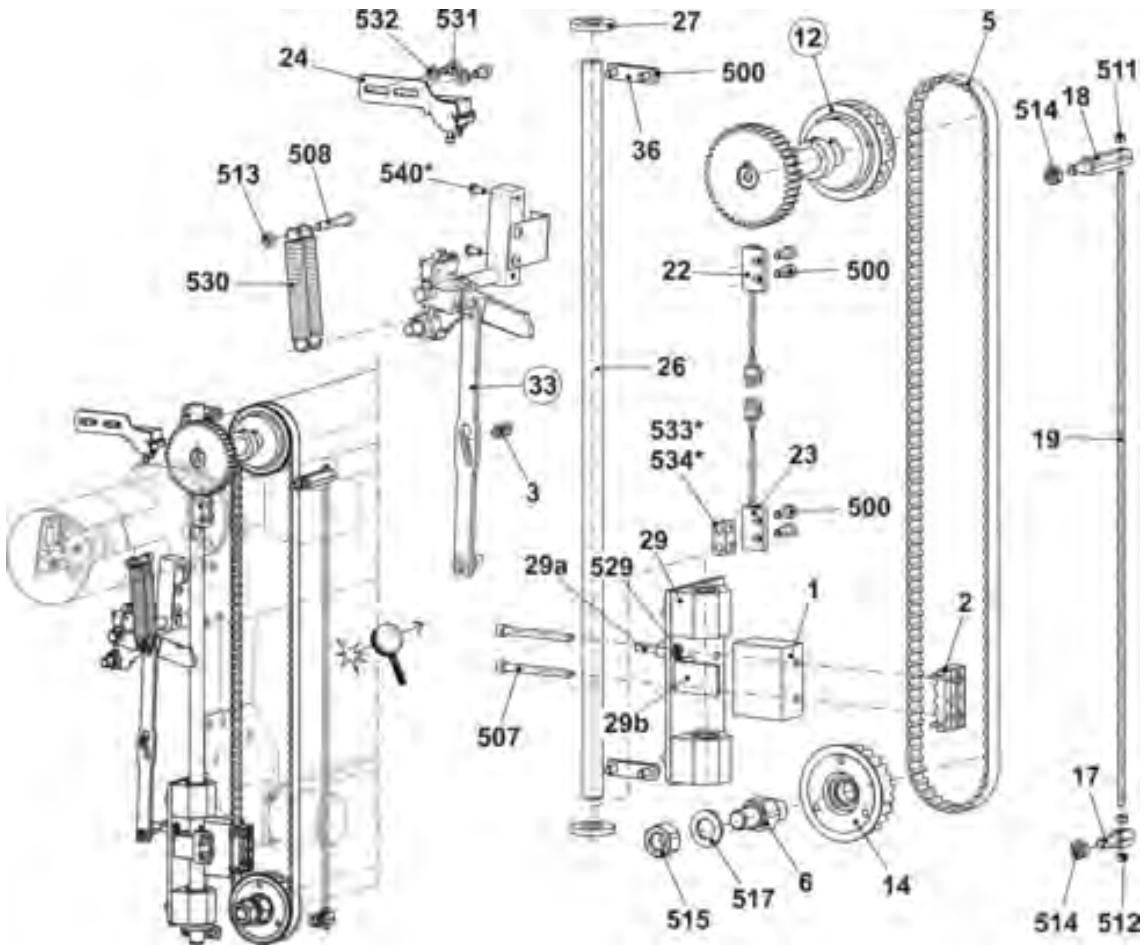
Pos	Designation		Id		Pos	Designation		Id
Σ	Comb take-down on the left		256 838					
1	Clamping part		209 379			528	Hexagon nut M8-6	020 838
2	Presser plate		241 967		34	Swivel lever on the left		252 859
3	Bolts		222 152		36	Clamping plate		227 159
5	Toothed belt 16T10/1300		240 065		500	Cap screw M6x16		020 135
6	Eccentric pin		222 320		507	Cap screw M6X65		240 162
11	Bolts		207 689		508	Cap screw M6X45		022 689
14	Toothed lock washer at the bottom complete		211 822		511	Hexagon nut M5-8		023 541
15	Toothed lock washer at the top complete		211 823		512	Hexagon nut M5-6		020 835
17	Stay bolt		222 315		513	Hexagon nut M6-6		020 836
18	Stay bolt		240 056		514	Hexagon nut M8-6		020 838
19	Threaded rod M5		240 057		515	Hexagon nut M16-6		020 845
25	Reflector complete		256 826		517	U-washer 16		020 876
26	Guide bar C35		206 560		524	Locking 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*	Countersunk screw M5x10		023 247



8.1 Comb take-down

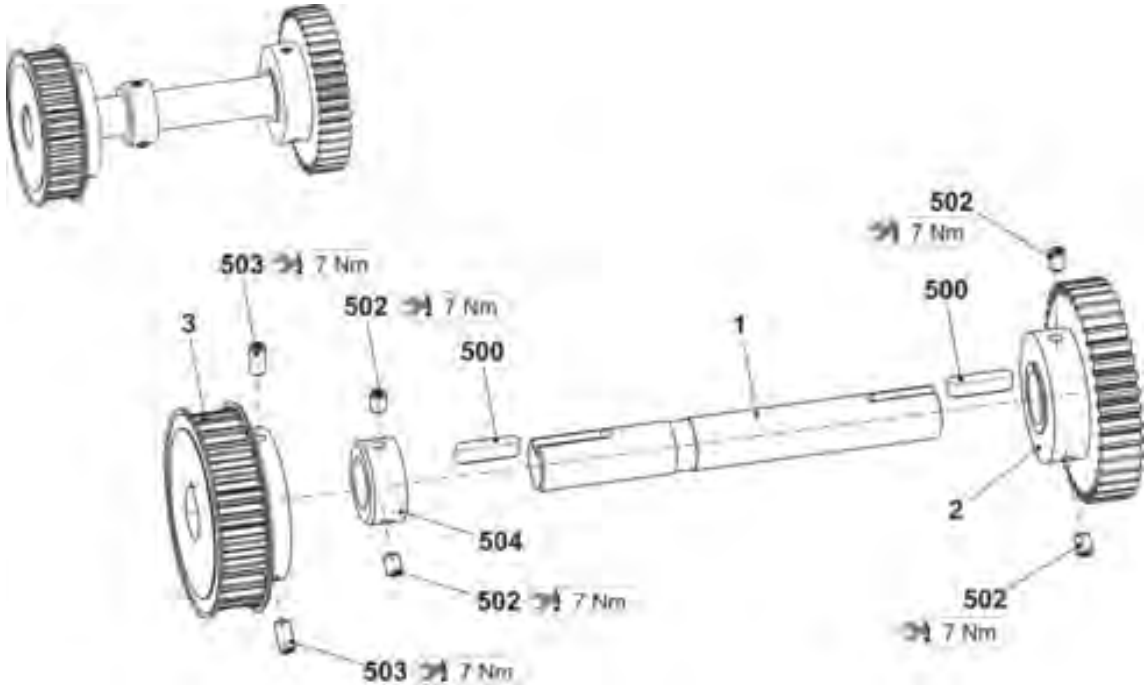
8.1.2 Comb take-down on the right

Pos	Designation	Id		Pos	Designation	Id
Σ	Comb take-down on the right	256 839				
1	Clamping part	209 379		529	Hexagon nut M8-6	020 838
2	Presser 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	U-washer 16	020 876
24	Angle support photoelectric sensor	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	U-washer 6	020 872
29	Comb guide on the right	255 424		533*	Shim 0,2x12x75	023 735
29a	Driving bolt	255 427		534*	Shim 0,5x12x75	023 736
29b	Angle	240 112		540*	Countersunk screw M5x10	023 247



8.1.2.1 Drive shaft of comb

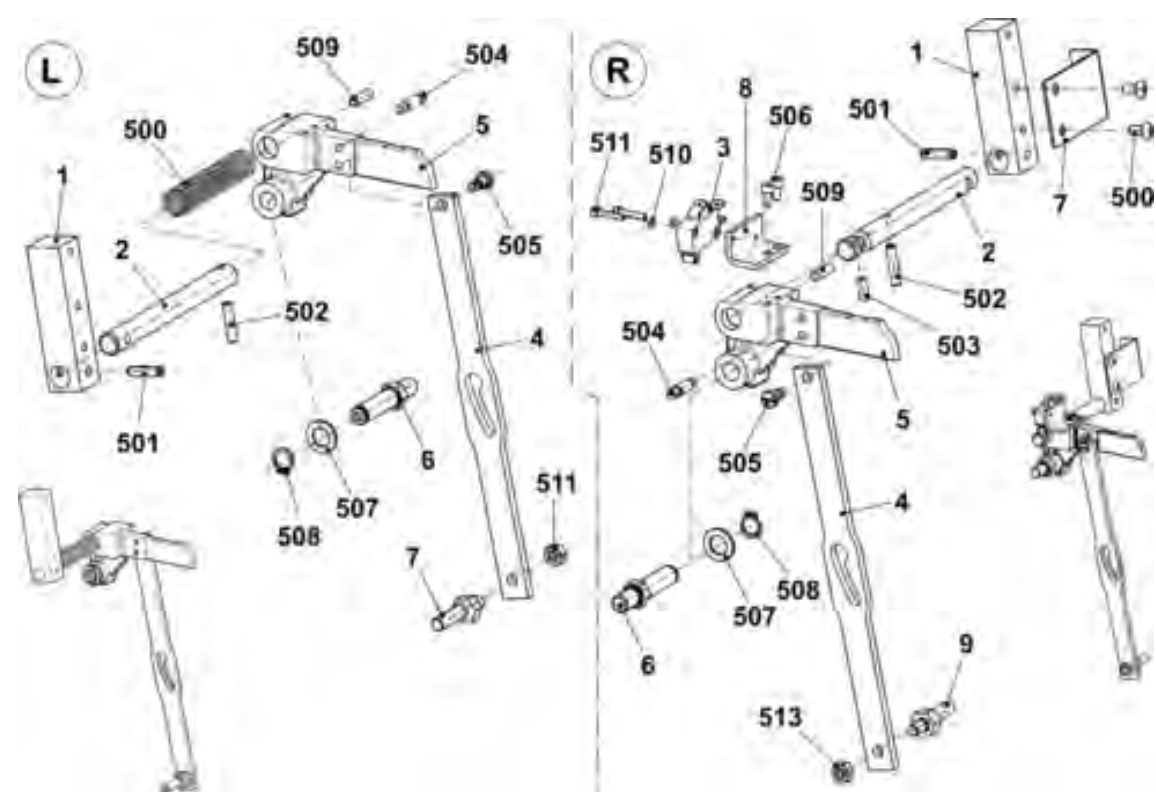
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive shaft comb complete	214 583				
1	Shaft	213 969		500	Feather key A 6x6x25	023 017
2	Gear wheel Z=40, M=2	213 744		502	Setscrew M6x8	022 684
	Always order position 502 additionally			503	Setscrew M6x12	023 898
3	Toothed belt disc at the top	206 394		504	Set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



8.1 Comb take-down

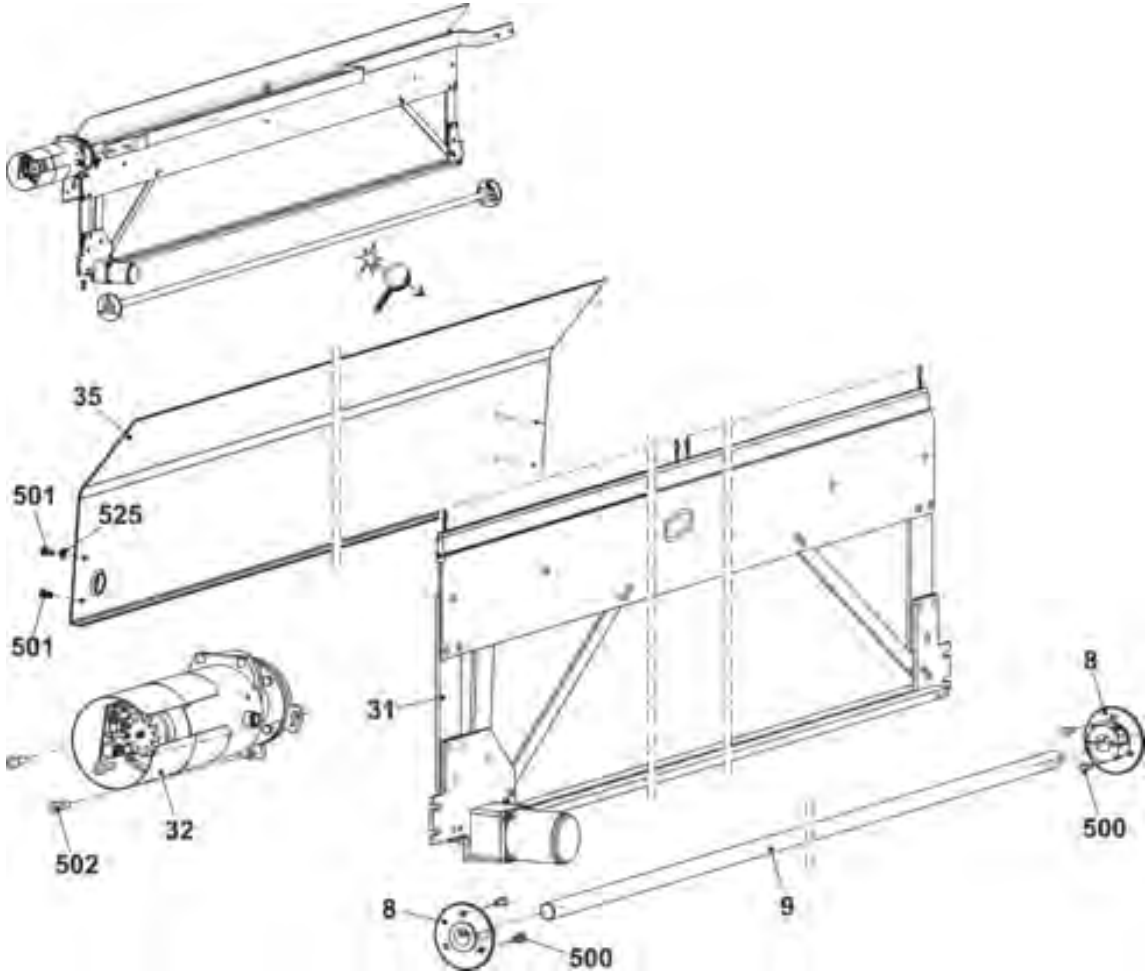
8.1.2.2 Swivel lever comb take-down

Pos	Designation	Id		Pos	Designation	Id
Σ L	Swivel lever on the left	252 859		Σ R	Swivel lever on the right	252 858
1	Support	252 780		1	Support	252 780
2	Shaft	223 994		2	Shaft	238 339
4	Plunger	255 650		3	Microswitch	026 259
5	Swivel lever	239 248		4	Plunger	255 650
6	Bolt	214 053		5	Swivel lever	239 248
7	Eccentric bolt	255 651		6	Bolt	214 053
500	Compression spring 1,4x13,6x93	023 572		7	Angle	224 009
501	Spring dowel sleeve ISO8752-5x20	020 794		8	Angle	238 304
502	Dowel pin 5x22	023 716		9	Eccentric bolt	255 651
504	Shoulder screw M5x29x35	251 618		500	Countersunk screw M5x10	023 247
505	Shoulder screw M5x5.8x6.2	023 365		501	Spring dowel sleeve 5x20	020 794
507	U-washer 10	020 884		502	Dowel pin 5x22	023 716
508	Locking ring	020 950		503	Spring dowel sleeve 5x12	020 793
509	Shoulder screw M5x12x18	020 539		504	Shoulder screw M5x29x35	251 618
511	Hexagon nut M8-6	020 838		505	Shoulder screw M5x5.8x6.2	023 365
				506	Cap screw M4x8	022 501
				507	U-washer 10	020 884
				508	Locking ring 10x1	020 950
				509	Shoulder screw M5x12x18	020 539
				510	Shoulder screw M3x16	022 583
				511	U-washer 3	020 877
				513	Hexagon nut M8-6	020 838



8.1.3 Comb take-down in the middle

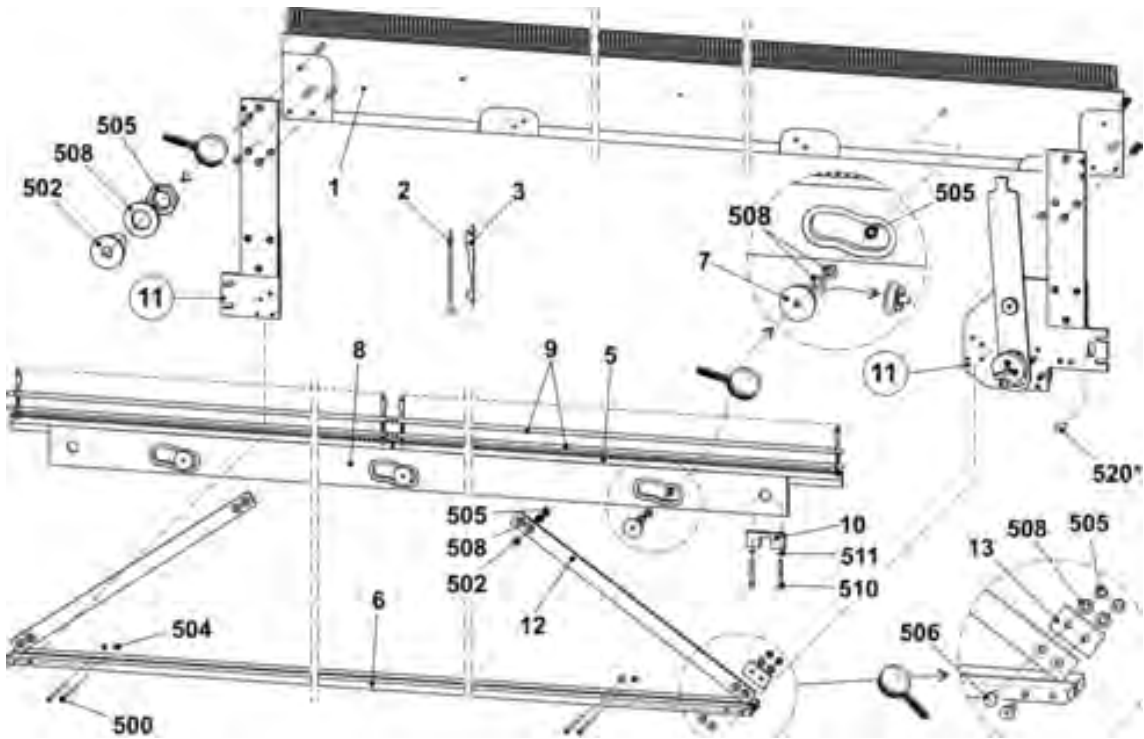
Pos	Designation	Id		Pos	Designation	Id
Σ	Comb take-down in the middle			31	Comb unit	
	E3,5.2	254 961			E3,5.2	232 962
	E5.2	254 962			E5.2	232 964
	E6.2	254 935			E6.2	232 965
	E7.2	254 964			E7.2	232 966
	E9.2	254 965			E9.2	232 967
8	Flange	207 695		32	Motor take-down unit complete	253 803
9	Shaft long	218 532		35	Guide plate	252 829
500	Cap screw M6x16	020 135		502	Cap screw M8x25	020 142
501	Countersunk screw M5x10	023 247		525	Serrated lock washer J6.4	022 489



8.1 Comb take-down

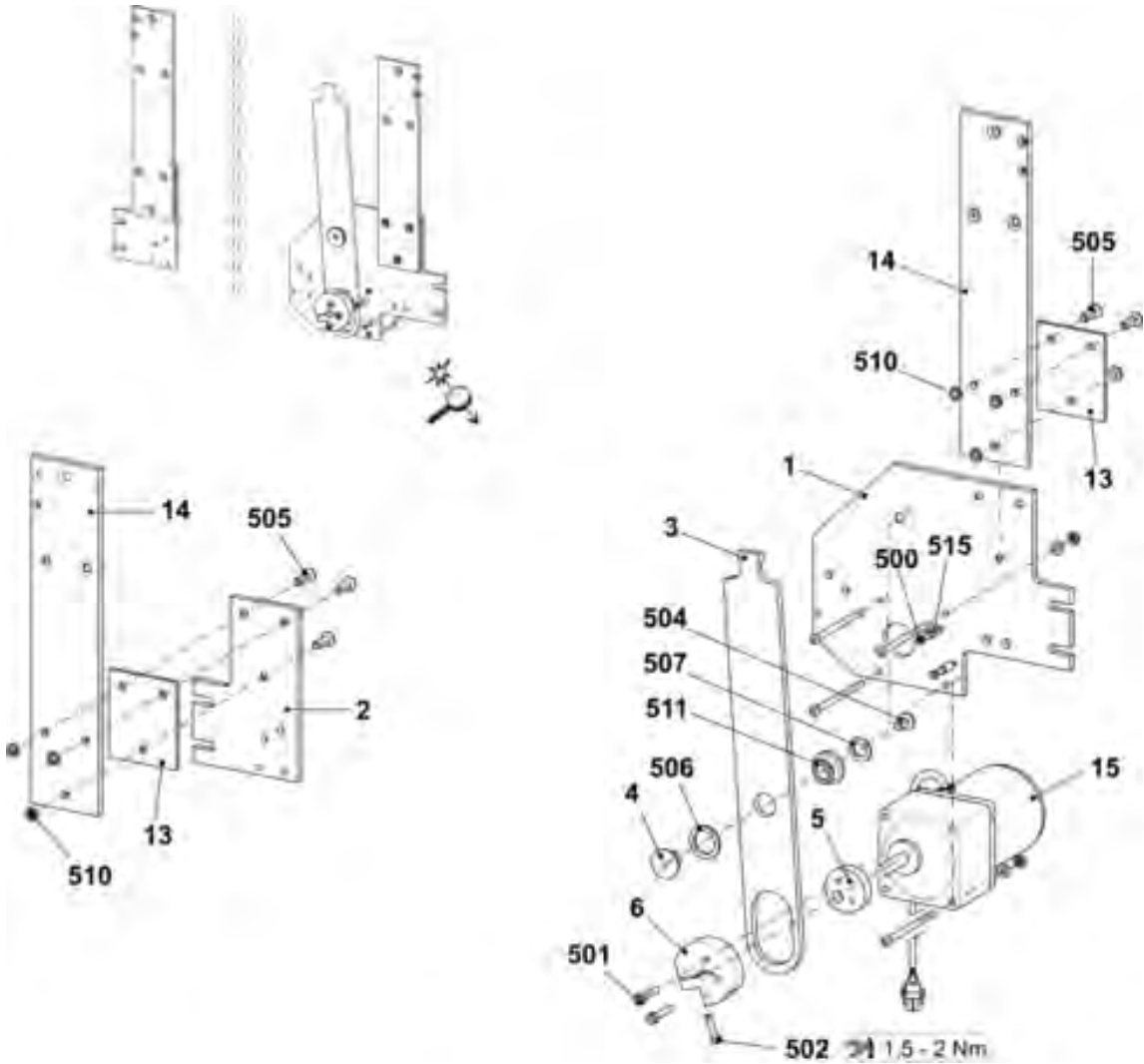
8.1.3.1 Comb unit

Pos	Designation	Id		Pos	Designation	Id
Σ	Comb unit			5	E6.2	232 952
	E3,5.2	232 962			E7.2	232 953
	E5.2	232 964			E9.2	232 952
	E6.2	232 965		6	Stabilizator	218 555
	E7.2	232 966		7	Collar bolt complete	211 036
	E9.2	232 967		8	Cross slider	218 552
1	Hook bed			9	Cover rail	218 549
	E3,5.2	232 936		10	Plunger	205 678
	E5.2	232 938		11	Switch lever complete	235 690
	E6.2	232 939		12	Strut	218 740
	E7.2	232 940		13	Intermediate plate	218 742
	E9.2	232 941		500	Cap screw M4X50	023 102
2	Closer			502	Countersunk head screw M5x12	023 340
	E3,5.2-7.2	232 771		504	Hexagon nut M4-8	023 046
	E9.2	240 619		505	Hexagon nut M5-04	020 854
3	Body			506	Countersunk screw M5x16	023 417
	E3,5.2-7.2	232 772		508	U-washer 5-200	020 871
	E9.2	240 620		510	Cap screw M4x30	023 290
5	Hook slider			511	Circlip	022 774
	E3,5.2	232 949		520*	Eccentric	232 188
	E5.2	232 951				



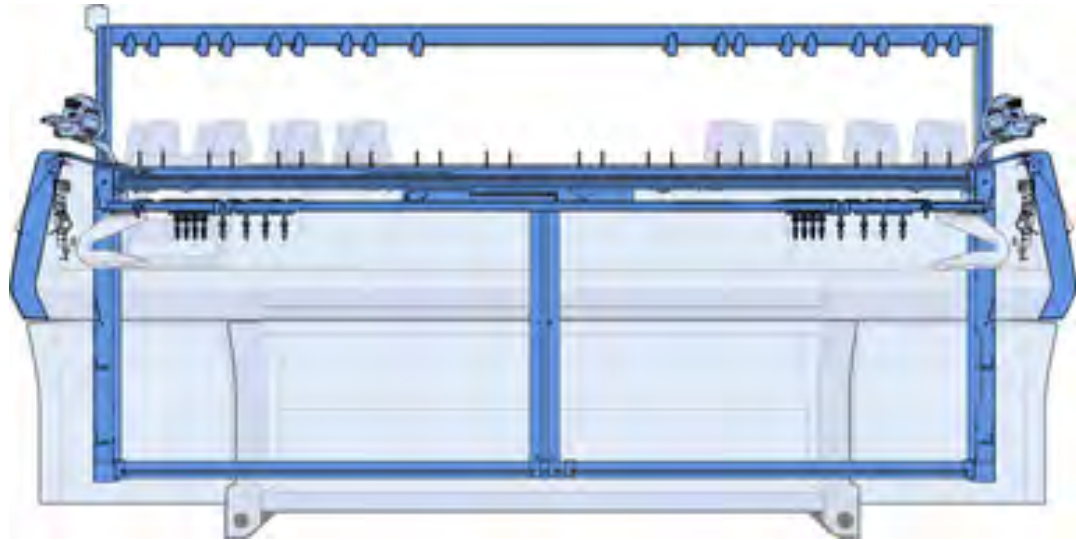
8.1.3.1.1 Switch lever comb take-down

Pos	Designation	Id		Pos	Designation	Id
Σ	Switch lever complete	235 690		500	Cap screw M3x25	023 093
1	Screwing plate on the right	232 968		501	Cap screw M4x20	023 171
2	Screwing plate on the left	240 059		502	Cap screw M4x16	023 123
3	Lever	215 228		504	Countersunk screw M6x12	023 435
4	Bearing bolt	215 675		505	Countersunk screw M5x16	023 417
5	Eccentric	205 681		506	Adjusting washer 16x22x2	023 449
6	Tension lifter	215 287		507	Shim ring 4x8x1	023 260
13	Intermediate plate	213 980		510	Hexagon nut M5	020 854
14	Retaining plate	218 977		511	Collar bearing 10x16x22	022 841
15	Motor comb hook with 2 phases	244 635		515	Threaded spacer	210 488



Notes:

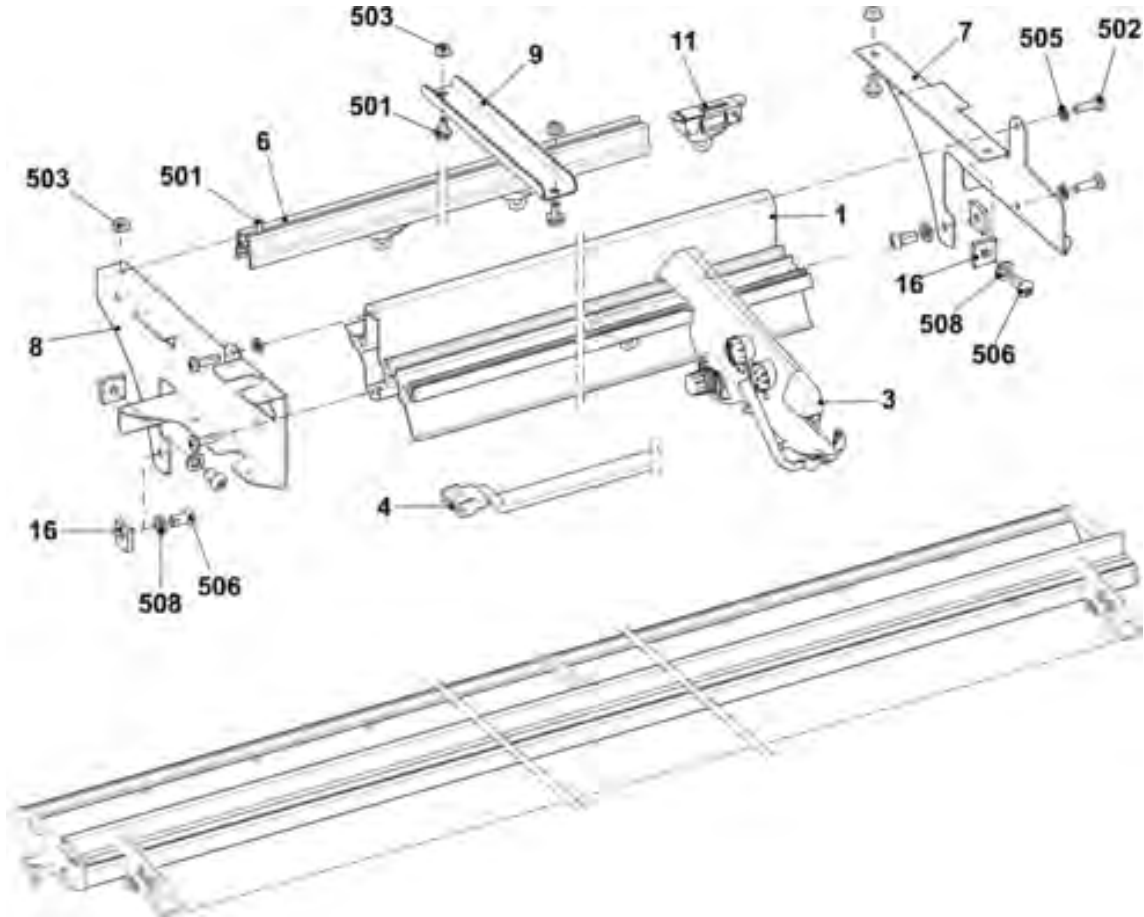
9 Yarn delivery device



9.1 Yarn guide system with 18, 22 and 24 FKE

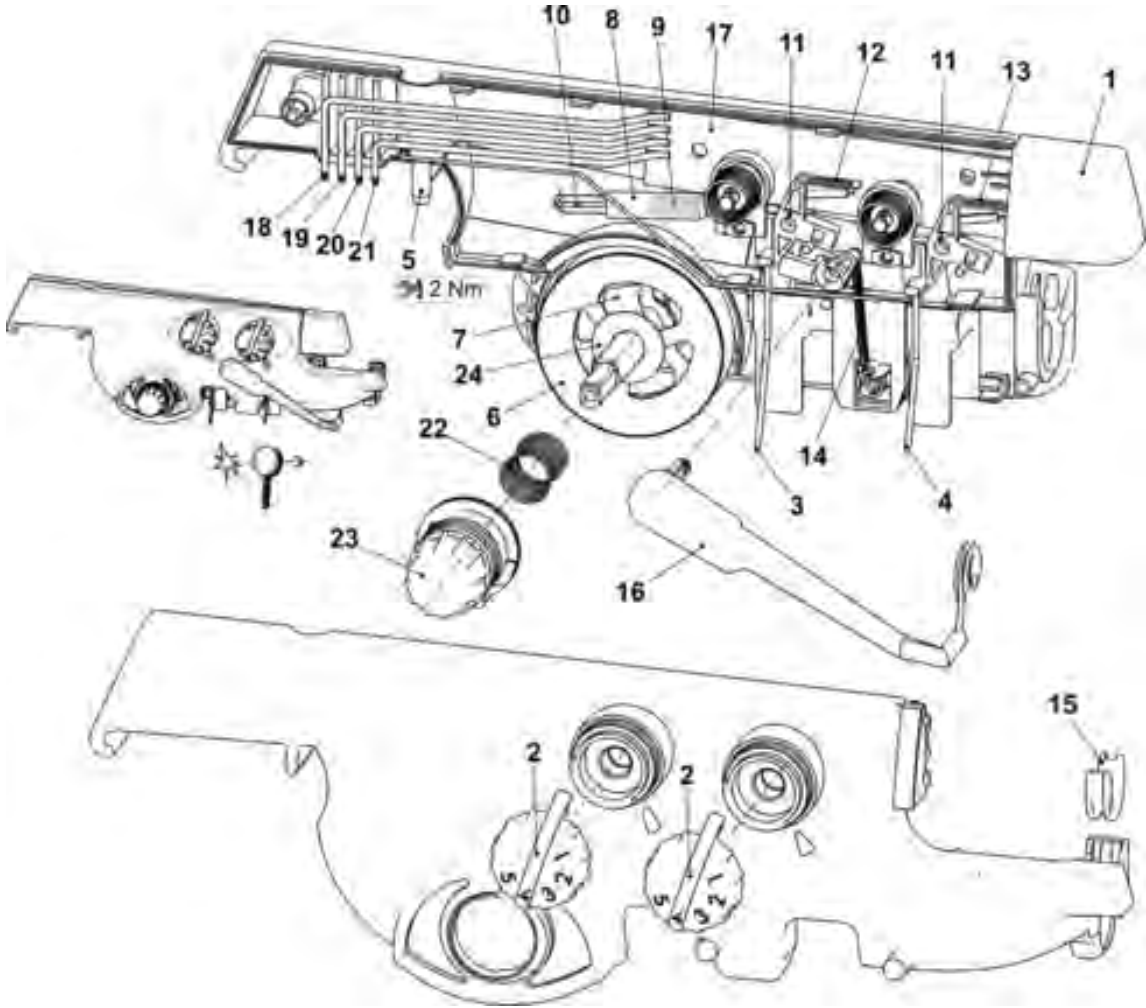
9.1 Yarn guide system with 18, 22 and 24 FKE

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn guide system 18 FKE 72"	241 296		9	Support	243 792
	Yarn guide system 22 FKE 72"	240 387		11	Yarn guide bracket complete	241 581
	Yarn guide system 24 FKE 72"	241 295		16	Sliding block	228 851
1	Support 72"	243 111		501	Self-locking screw M6x12	023 415
3	Yarn control device (FKE)	237 124		502	Screw M6x20	023 721
4	Connection cable FKE-3 72"	240 348		503	Ribbed lock washer M6-10	023 414
6	Yarn guide rail 72"	228 596		505	U-washer 6-200	022 431
7	Support on the right	243 601		506	Pan-head screw M8x16	023 113
8	Support on the left	243 600		508	Serrated lock washer	023 388



9.1.1 Yarn control unit

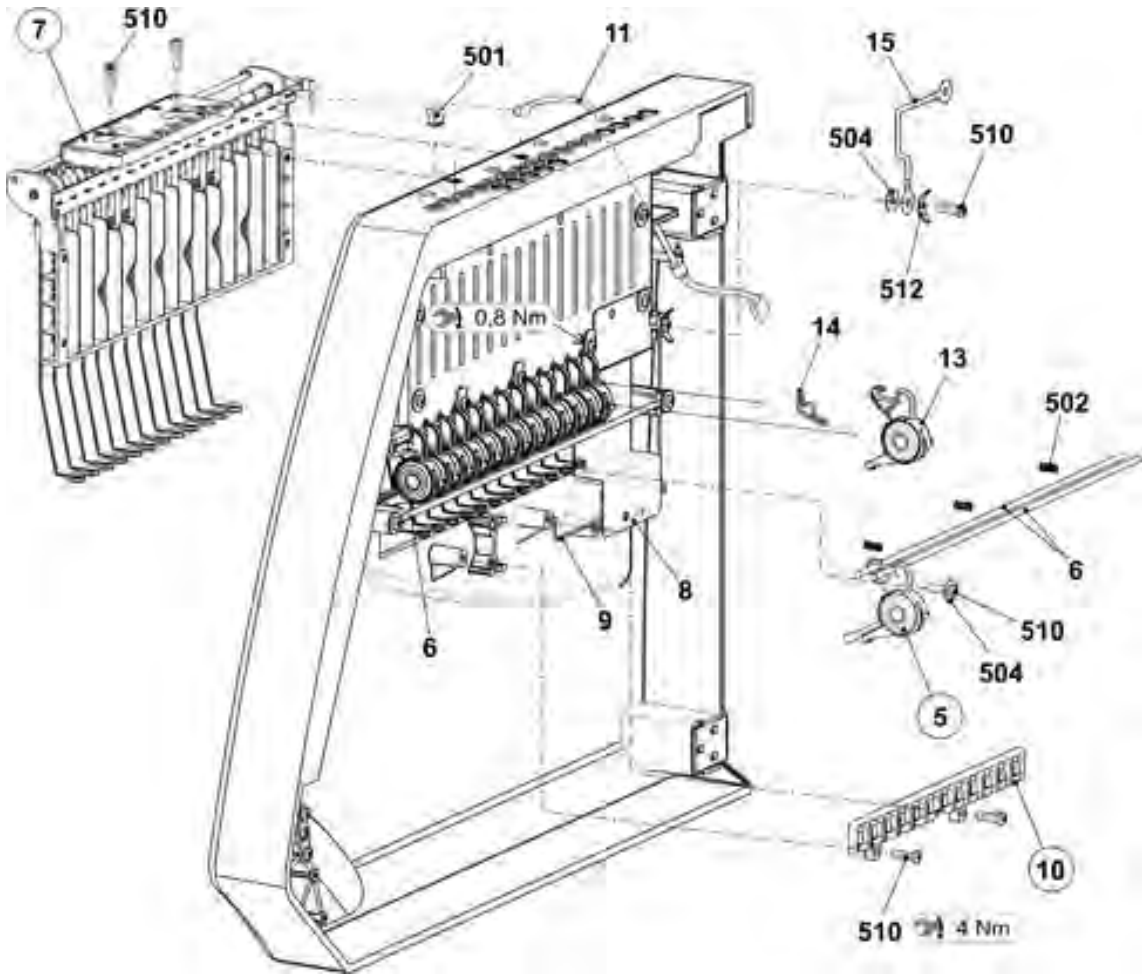
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn control unit	237 124				
1	Lamp cap	251 166		13	Tension spring	253 040
2	Turning knob	251 167		14	Tension spring	253 041
3	Knot detector for large knots	251 168		15	Ceramic eyelet open	240 733
4	Knot detector for mall knots	251 169		16	Stop bow	253 043
5	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	Pin	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



9.2 Left yarn guide

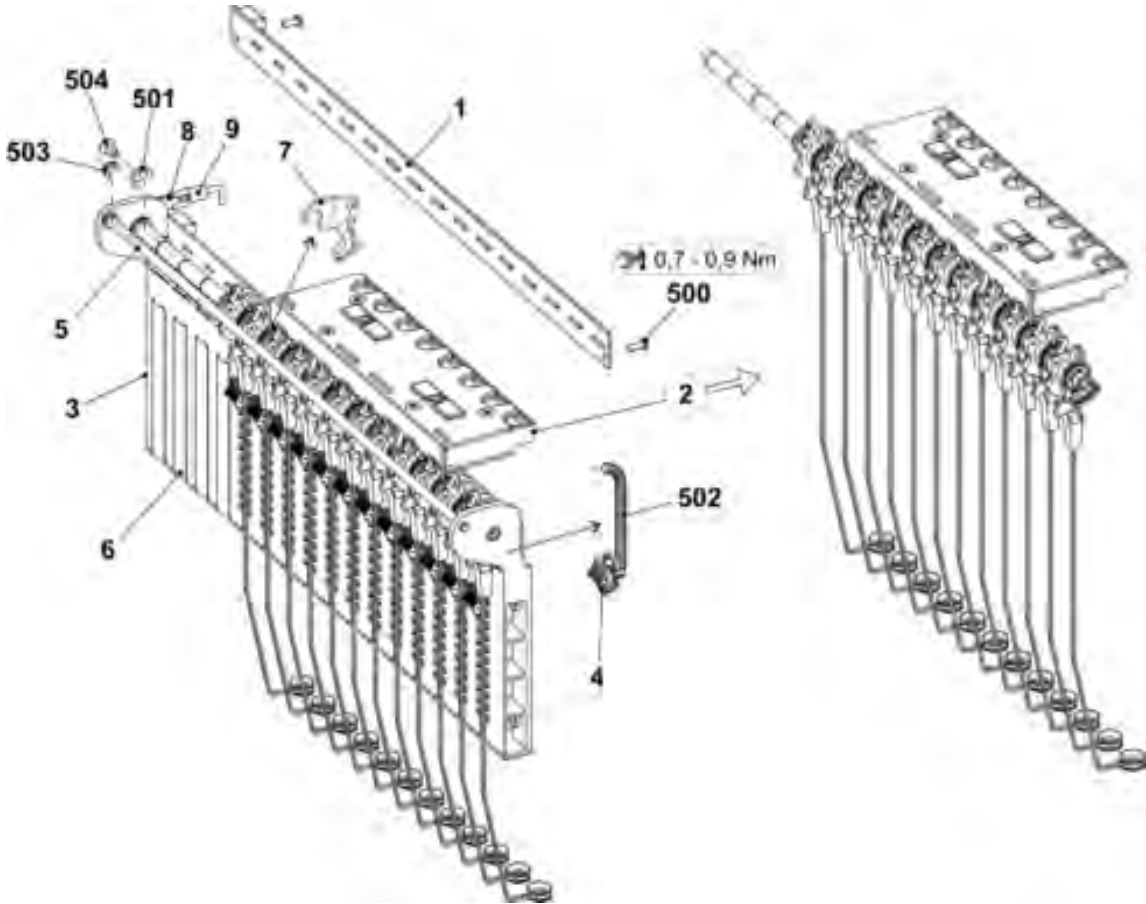
9.2 Left yarn guide

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety cover on the left complete		9	Wire bow on the left	241 370
	E3 - E5 (E3,5.2 E5.2)	241 271	10	Yarn deflector	242 011
	E7 - E8 (E6.2)	241 272	11	Connection cable yarn	240 808
	E10 - E18 (E7.2 E9.2)	241 273	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Shaft	241 318	15	Ground cable	244 404
7	Yarn tensioner on the left complete		501	Ceramic eyelet	240 640
	E3 - E5 (E3,5.2 E5.2)	241 363	502	Compression spring 0.90x5.40x13.60	241 360
	E7 - E8 (E6.2)	241 364	504	U-washer	022 537
	E10 - E18 (E7.2 E9.2)	241 365	510	Screw KB60 x 20	237 682
8	Cover	240 783	512	Flat connector 2x45° M6	243 117



9.2.1 Left yarn tensioner

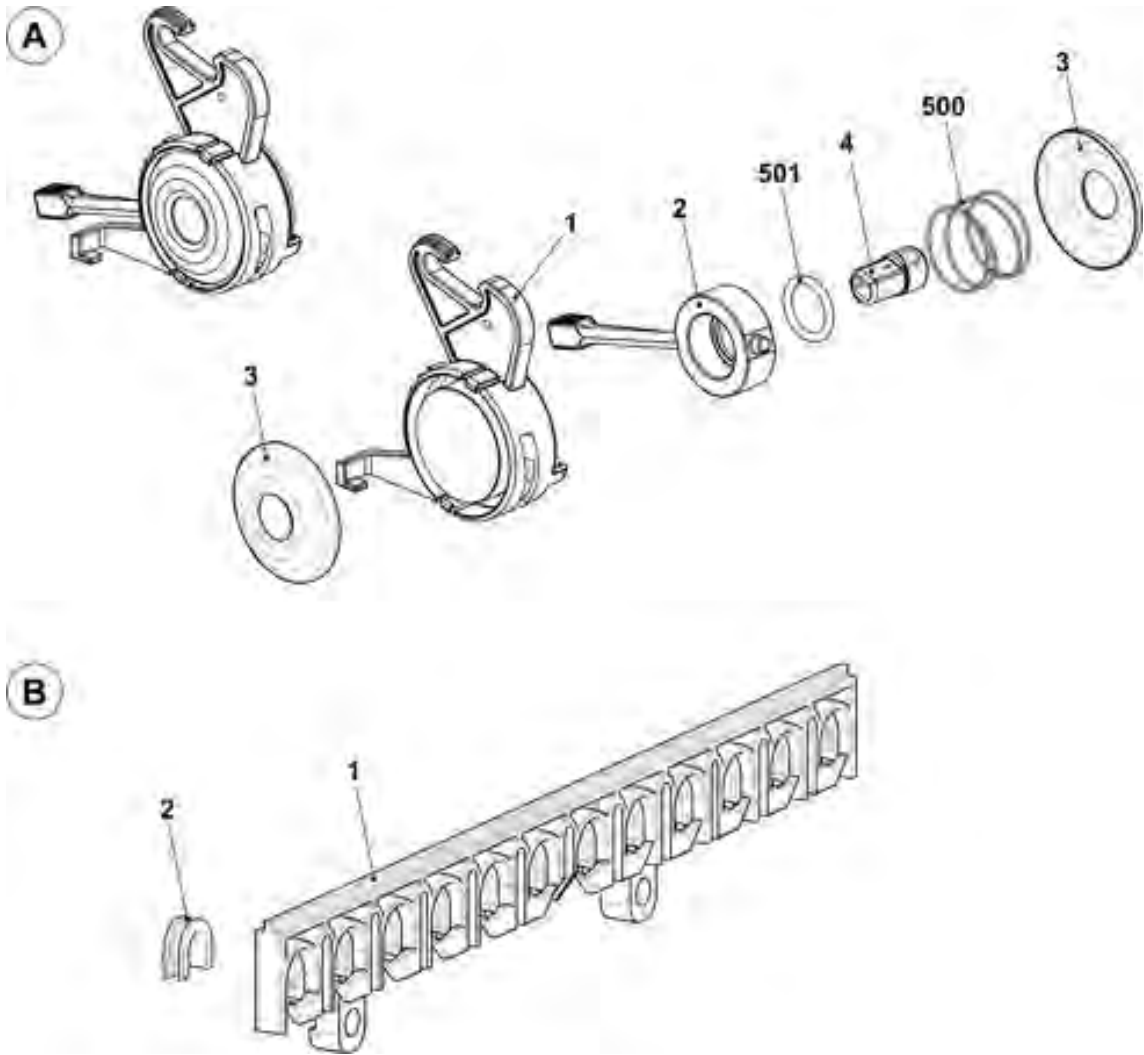
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the left complete			6	Border	242 268
	E3 - E5 (E3,5.2 E5.2)	241 363		7	Spacer	242 048
	E7 - E8 (E6.2)	241 364		8	Grounding plate of tension axle	243 121
	E10 - E18 (E7.2 E9.2)	241 365		9	Ground cable yarn tensioner	243 105
1	Card yarn tensioner 16-fold on the left	241 345		500	Screw KB 30x8	236 228
2	Tension axle on the left complete			501	Circlip	021 022
	E3 - E8 (E3,5.2 E5.2 E6.2)	241 366		502	Tension spring 5.05x0.55x53 (E3,5.2 E5.2)	023 502
	E10 - E18 (E7.2 E9.2)	241 381			Tension spring 4.9x0.5x53 (E6.2)	023 503
3	Housing	241 367			Tension spring 4.9x0.45x53 (E7.2 E9.2)	023 504
4	Slider	241 694		503	Circlip	021 020
5	Stop point	241 368		504	Countersunk screw M4x12	241 914



9.2 Left yarn guide

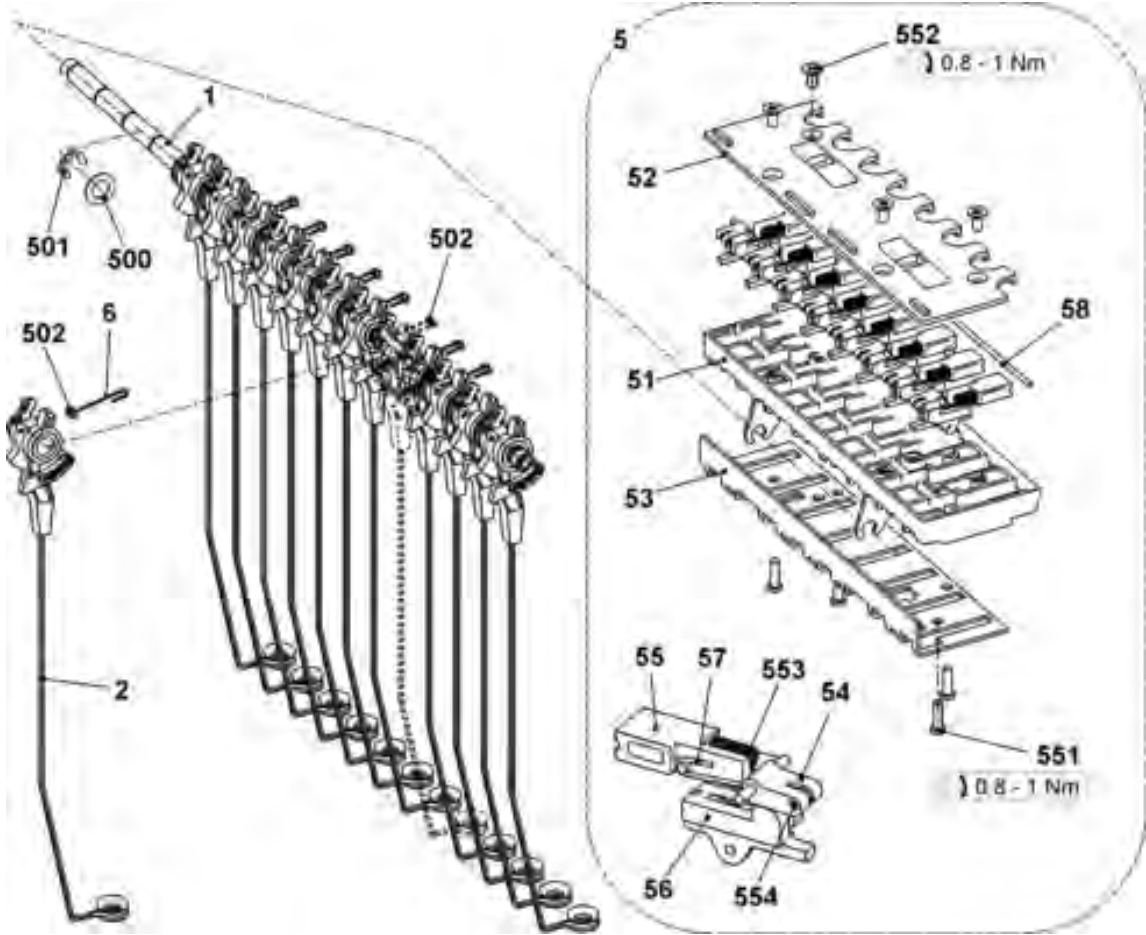
9.2.2 Yarn brake and yarn deflector

Pos	Designation	Id		Pos	Designation	Id
A	Yarn brake complete	244 347		B	Yarn deflector	242 011
1	Support	240 607		1	Support yarn deflector	242 009
2	Slider	240 606		2	Ceramic eyelet open	240 733
3	Brake disk	244 355				
4	Ceramic eyelet open	243 778				
500	Compression spring 0.65x20.15x14.80	241 361				
501	O-ring 11x2	241 434				



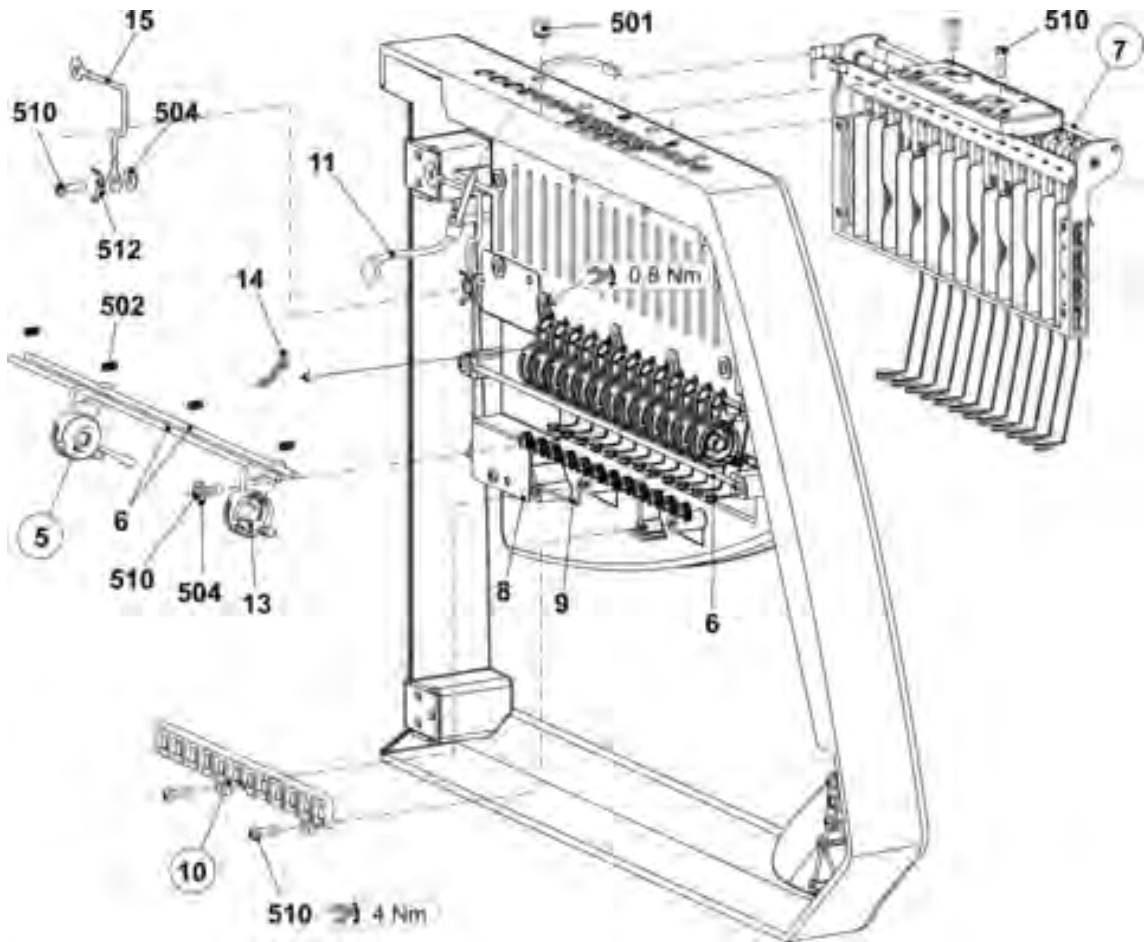
9.2.3 Left tension axle

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle on the left complete			5	Thread clamp AKF	238 695
	E3 - E8 (E3,5.2 E5.2 E6.2)	241 366		51	Housing AKF	238 689
	E10 - E18 (E7.2 E9.2)	241 381		52	Cover AKF	237 926
1	Axle	243 107		53	Sheet metal at the bottom (housing AKF)	240 719
2	Tension arm pre-assembled			54	Lever AKF	238 692
	E3 - E8 (E3,5.2 E5.2 E6.2)	242 770		55	Thrust piece AKF	238 690
	E10 - E18 (E7.2 E9.2)	242 771		56	Slider AKF	238 691
6	Wire bow	238 694		57	Wire bow	238 694
500	Shim ring 8x14x0.5	023 501		58	Wire	237 940
501	Circlip	021 022		551	Screw KB 35x12	237 681
502	Grooved pin 2x6	243 172		552	Screw KB 40x8	236 227
				553	Compression spring 0.30x4.50x18.50	241 437
				554	Grooved pin 2x6	243 172



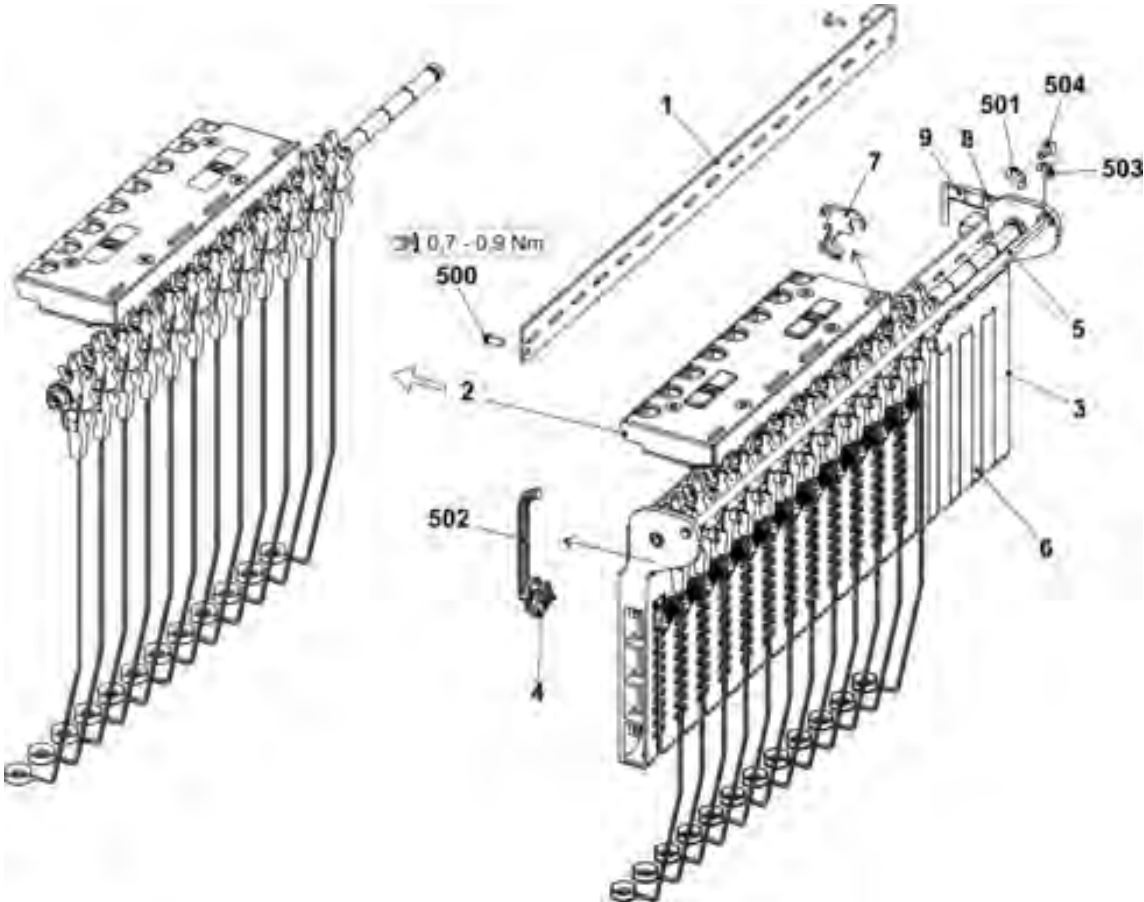
9.3 Right yarn guide

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety cover on the right complete		9	Wire bow on the right	241 369
	E3 - E5 (E3,5.2 E5.2)	241 274	10	Yarn deflector	242 011
	E7 - E8 (E6.2)	241 275	11	Connection cable yarn	240 808
	E10 - E18 (E7.2 E9.2)	241 276	13	Yarn brake not adjustable	244 356
5	Yarn brake complete	244 347	14	Clamping bow	244 409
6	Shaft	241 318	15	Ground cable	244 404
7	Yarn tensioner on the right complete		501	Ceramic eyelet	240 640
	E3 - E5 (E3,5.2 E5.2)	241 382	502	Compression spring 0.90x5.40x13.60	241 360
	E7 - E8 (E6.2)	241 383	504	U-washer	022 537
	E10 - E18 (E7.2 E9.2)	241 384	510	Screw KB60 x 20	237 682
8	Cover	240 783	512	Flat connector 2x45° M6	243 117



9.3.1 Right yarn tensioner

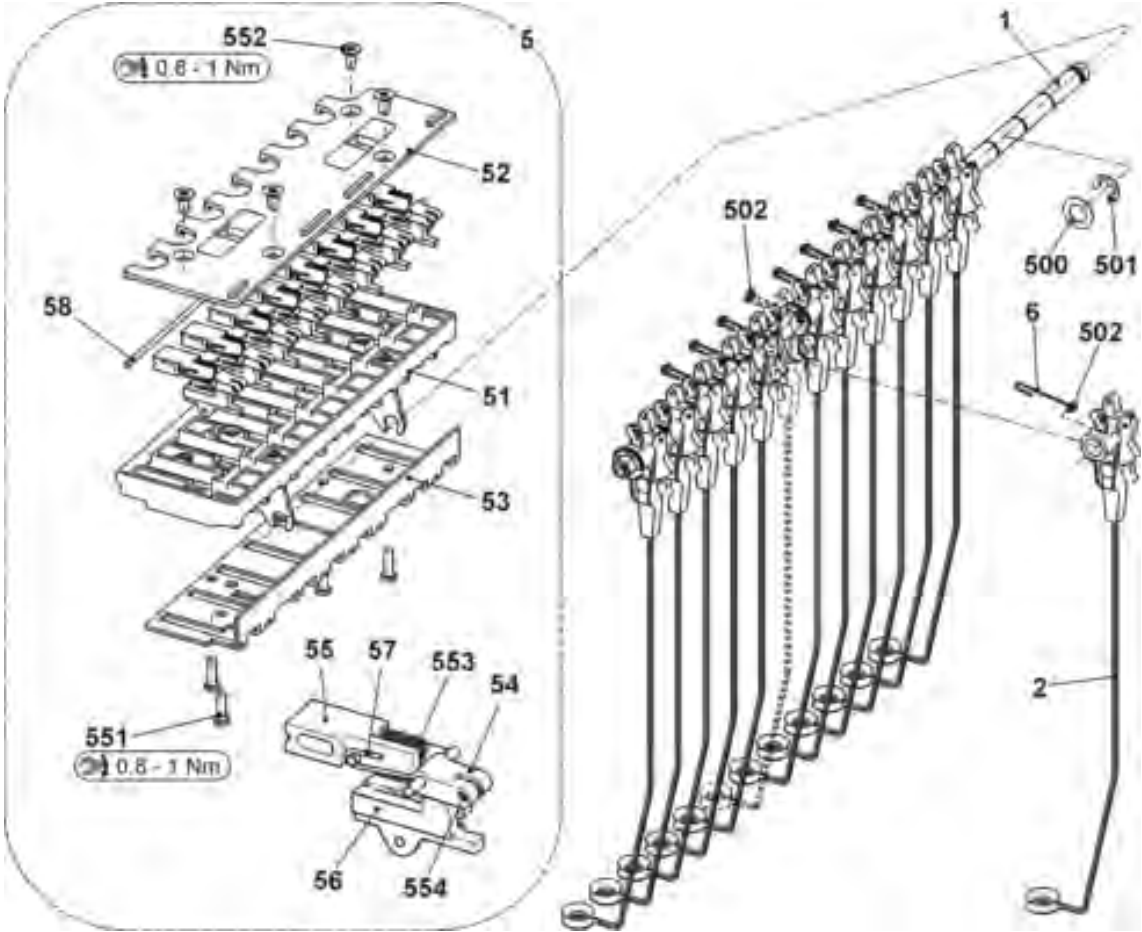
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner right			6	Border	242 268
	E3 - E5 (E3,5.2 E5.2)	241 382		7	Spacer	242 048
	E7 - E8 (E6.2)	241 383		8	Grounding plate of tension axle	243 121
	E10 - E18 (E7.2 E9.2)	241 384		9	Ground cable yarn tensioner	243 105
1	Card yarn tensioner 16-fold on the right	241 346		500	Screw KB 30x8	236 228
2	Tension axle on the right complete			501	Circlip	021 022
	E3 - E8 (E3,5.2 E5.2 E6.2)	241 379		502	Tension spring 5.05x0.55x53 (E3,5.2 + E5.2)	023 502
	E10 - E18 (E7.2 E9.2)	241 380			Tension spring 4.9x0.5x53 (E6.2)	023 503
3	Housing	241 367			Tension spring 4.9x0.45x53 (E7.2 + E9.2)	023 504
4	Slider	241 694		503	Circlip	021 020
5	Stop point	241 368		504	Countersunk screw M4x12	241 914



9.3 Right yarn guide

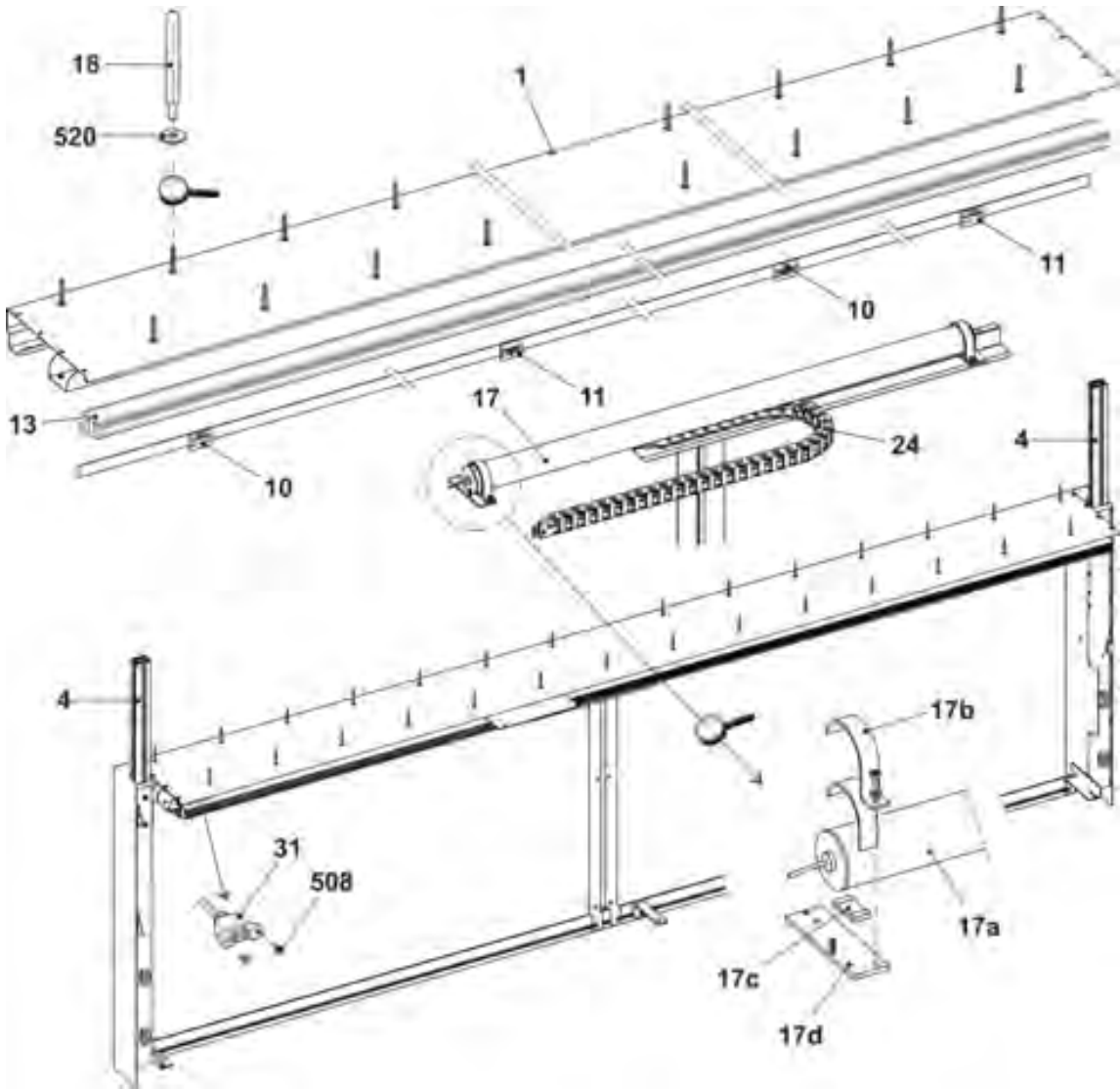
9.3.2 Right tension axle

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle on the right complete			5	Thread clamp AKF	238 695
	E3 - E8 (E3,5.2 E5.2 E6.2)	241 379		51	Housing AKF	238 689
	E10 - E18 (E7.2 E9.2)	241 380		52	Cover AKF	237 926
1	Axle	243 107		53	Sheet metal at the bottom (housing AKF)	240 719
2	Tension arm pre-assembled			54	Lever AKF	238 692
	E3 - E8 (E3,5.2 E5.2 E6.2)	242 770		55	Pressure peace AKF	238 690
	E10 - E18 (E7.2 E9.2)	242 771		56	Slider AKF	238 691
6	Wire bow	238 694		57	Wire bow	238 694
500	Shim ring 8x14x0.5	023 501		58	Wire	237 940
501	Circlip	021 022		551	Screw KB 35x12	237 681
502	Grooved pin 2x6	243 172		552	Screw KB 40x8	236 227
				553	Compression spring 0.30x4.50x18.50	241 437
				554	Grooved pin 2x6	243 172



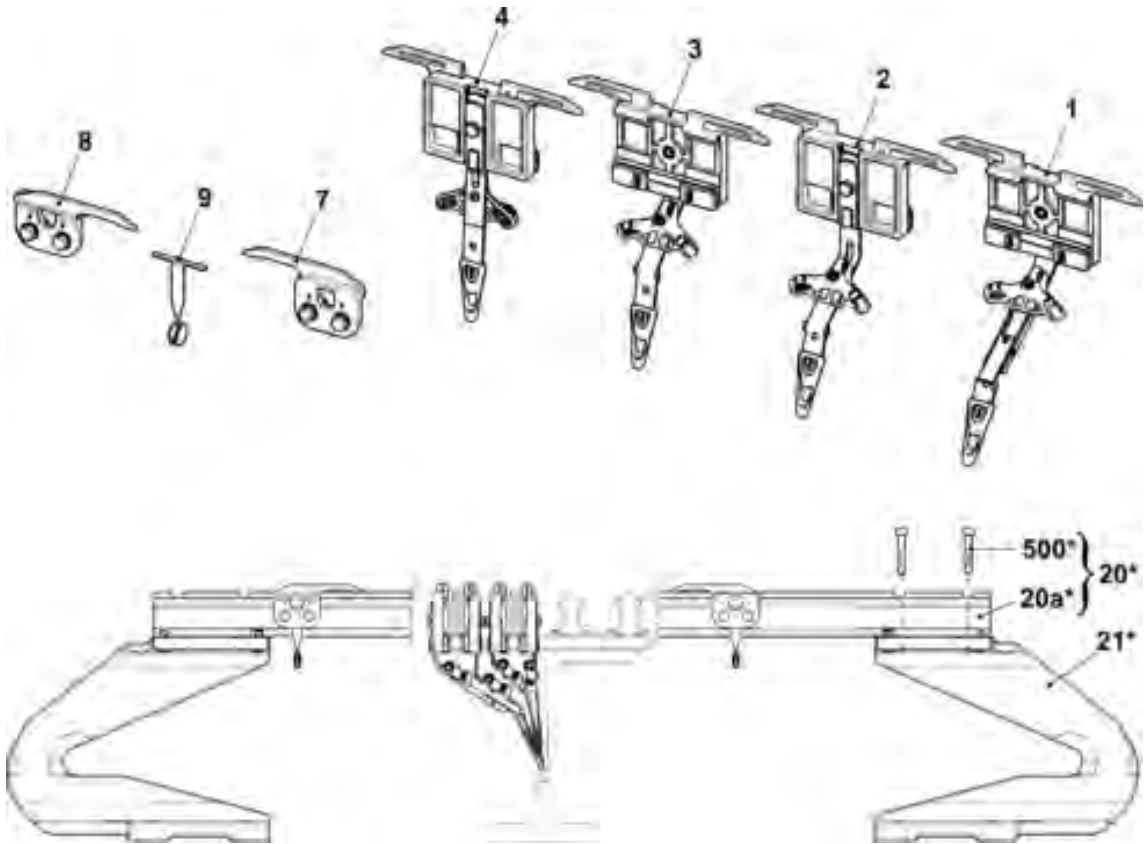
9.4 Bobbin board

Pos	Designation		Id	Pos	Designation		Id
Σ	Table complete 72"		240 391	17	17b	Clamping bow	209 504
1	Table		251 245		17c	Cellular caoutchouc 40x20	208 018
4	Support element		228 594		17d	Lamp support	221 951
10	Magnet switch protective hood		219 983	18	Positioning pin		204 819
11	Magnet switch protective hood		220 159	24	Energy chain display 38 links		253 888
13	Guide rail at the top complete		257 518	31	Cable USB extension		243 070
17	Lamp at the top complete		222 509	508	Countersunk screw M3x8		023 251
	17a	Lamp 230 V 50/60 Hz	205 546	520	U-washer		020 901



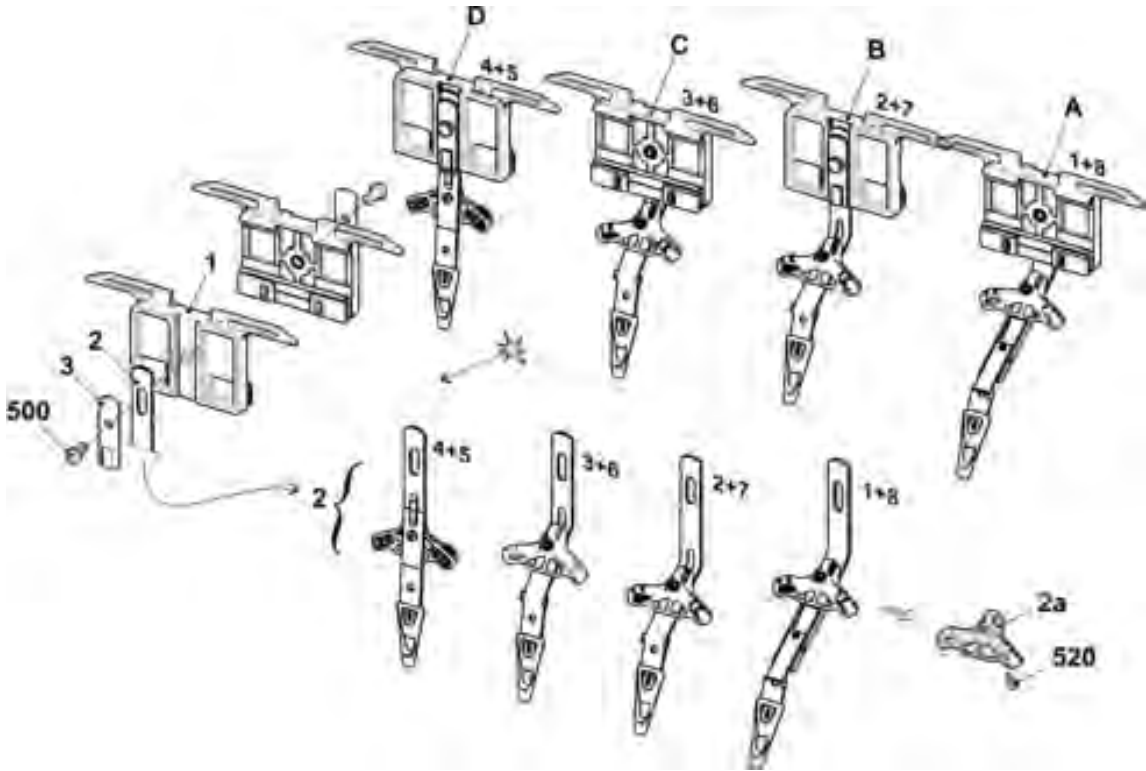
9.5 Yarn carrier and guide rails

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete				
	E3,5.2 E5.2	256 542	E7.2 + E9.2		
	E6.2	256 543	1	YC carriage 1+8 complete	256 553
	E7.2 E9.2	256 544	2	YC carriage 2+7 complete	256 554
E3,5.2 + E5.2			3	YC carriage 3+6 complete	256 555
1	YC carriage 1+8 complete	256 545	4	YC carriage 4+5 complete	256 556
2	YC carriage 2+7 complete	256 546	7	Limiter on the right complete	244 098
3	YC carriage 3+6 complete	256 547	8	Limiter on the left complete	244 099
4	YC carriage 4+5 complete	256 548	9	Slider with eyelet	230 709
E6.2			20*	Bar unit	244 101
1	YC carriage 1+8 complete	256 549		20a* Yarn carrier rail	218 665
2	YC carriage 2+7 complete	256 550		500* Cap screw M6X35	020 139
3	YC carriage 3+6 complete	256 551	21*	YC support	236 501
4	YC carriage 4+5 complete	256 552			



9.6 Carriage of yarn carrier

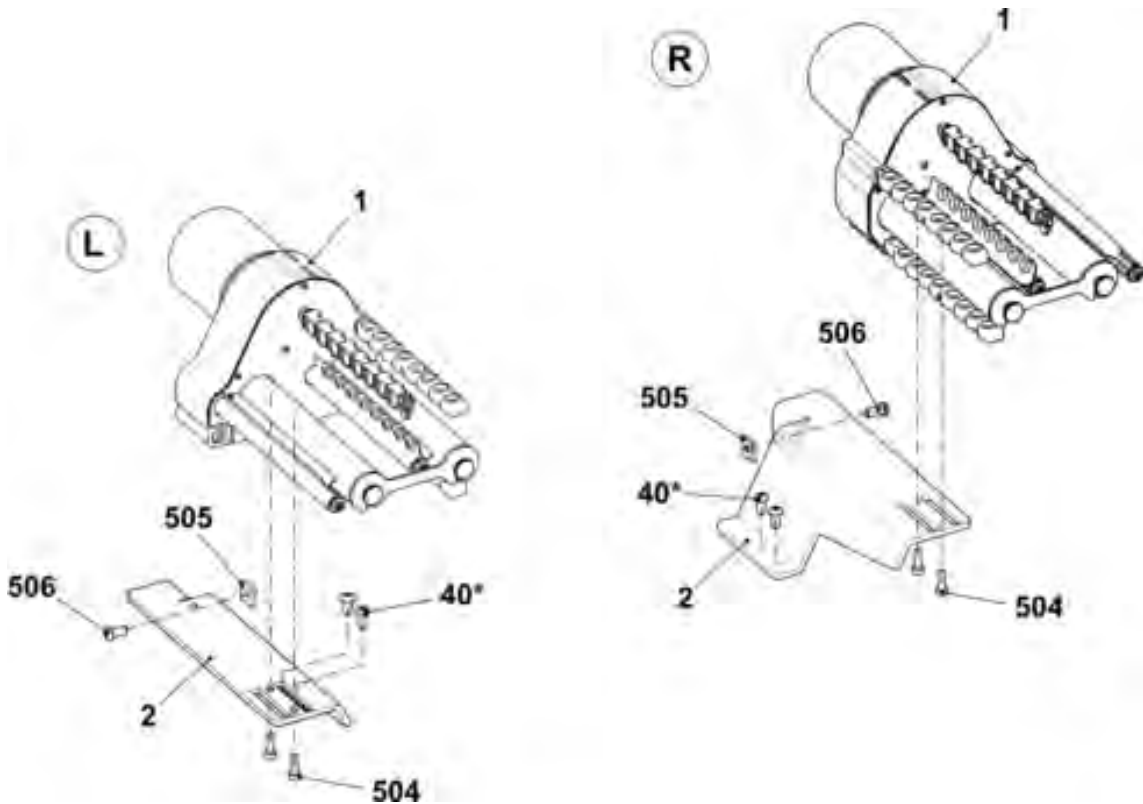
Pos	Designation	Id		Pos	Designation	Id	
A	YC carriage 1+8 complete E3,5.2 E5.2	256 545		2	YC bow 1+8 complete E3,5.2 E5.2	240 542	
B	YC carriage 2+7 complete E3,5.2 E5.2	256 546			YC bow 2+7 complete E3,5.2 E5.2	240 543	
C	YC carriage 3+6 complete E3,5.2 E5.2	256 547			YC bow 3+6 complete E3,5.2 E5.2	240 544	
D	YC carriage 4+5 complete E3,5.2 E5.2	256 548			YC bow 4+5 complete E3,5.2 E5.2	240 545	
A	YC carriage 1+8 complete E6.2	256 549			YC bow 1+8 complete E6.2	240 538	
B	YC carriage 2+7 complete E6.2	256 550			YC bow 2+7 complete E6.2	240 539	
C	YC carriage 3+6 complete E6.2	256 551			YC bow 3+6 complete E6.2	240 540	
D	YC carriage 4+5 complete E6.2	256 552			YC bow 4+5 complete E6.2	240 541	
A	YC carriage 1+8 complete E7.2 E9.2	256 553			YC carriage 1+8 complete E7.2 E9.2	240 354	
B	YC carriage 2+7 complete E7.2 E9.2	256 554			YC carriage 1+8 complete E7.2 E9.2	240 330	
C	YC carriage 3+6 complete E7.2 E9.2	256 555			YC carriage 3+6 complete E7.2 E9.2	240 331	
D	YC carriage 4+5 complete E7.2 E9.2	256 556			YC carriage 4+5 complete E7.2 E9.2	240 332	
1	YC carriage complete	256 069			2a	Yarn guide star	242 013
3	Shim 0,03x11x80	213 035			520	Pan-head screw M3x10	023 032
500	Hexagonal screw M5x10	020 351					



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

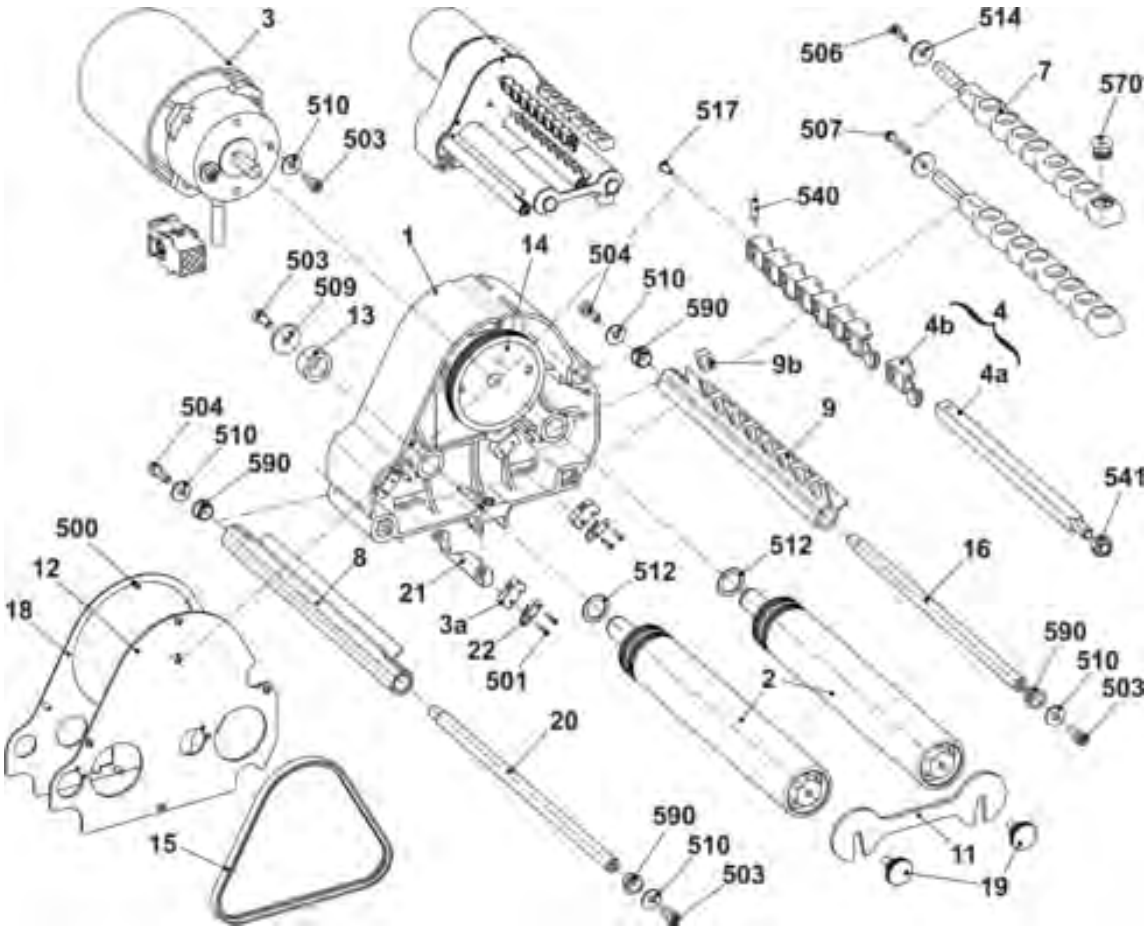
9.7 Friction feed wheel on the left and on the right complete

Pos	Designation	Id		Pos	Designation	Id
Σ L	Friction feed wheel on the left complete	243 573		Σ R	Friction feed wheel on the right complete	243 574
1	Friction feed wheel on the left	243 571		1	Friction feed wheel on the right	243 572
2	Support of left feed wheel	250 966		2	Support of right feed wheel	250 967
504	Cap screw M6x16	020 135		504	Cap screw M6x16	020 135
505	Sliding block	228 851		505	Sliding block	228 851
506	Countersunk screw M8x18	251 331		506	Countersunk screw M8x18	251 331
40*	Countersunk screw M8x16	023 113		40*	Countersunk screw M8x16	023 113



9.7.1 Left friction feed wheel

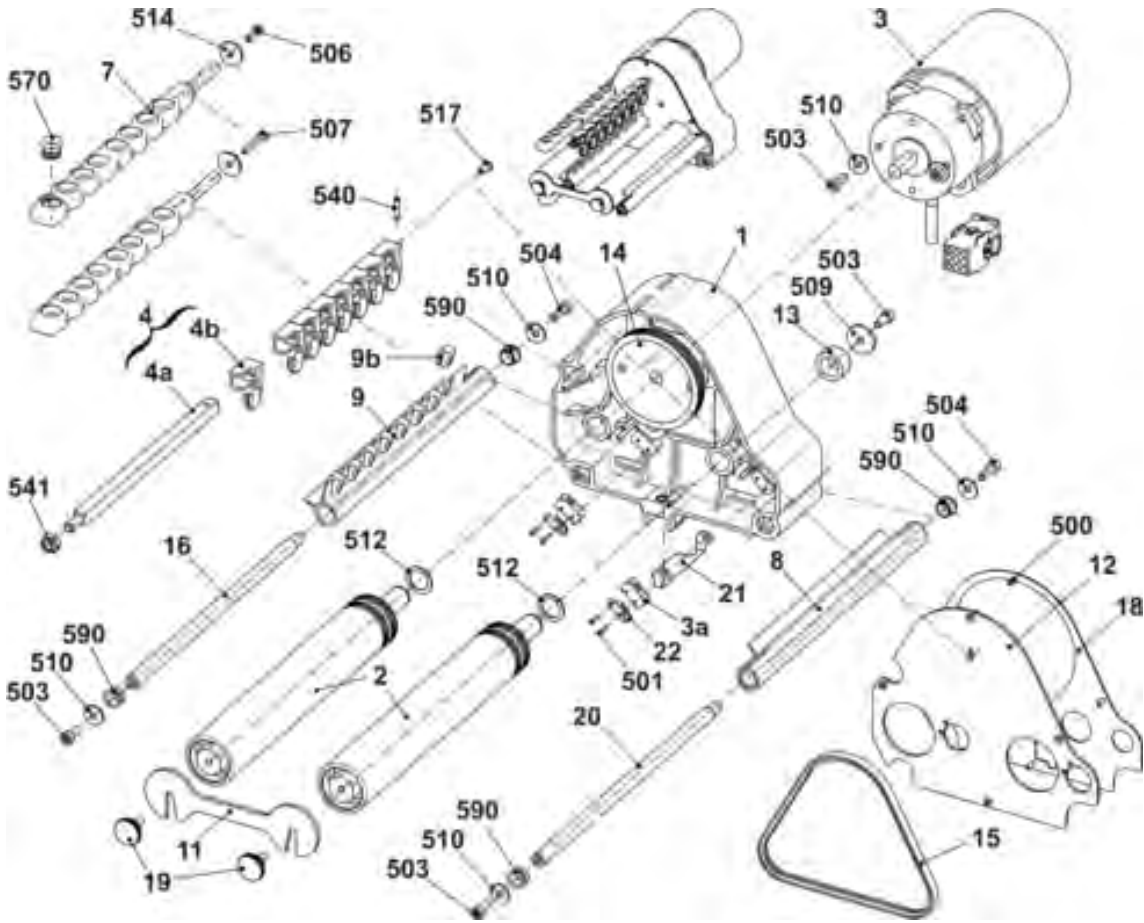
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the left complete		243 571	14	Ribbed V-belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt pulley V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase A.C. motor complete		219 800	18	Cover		230 758
	3a	Microswitch	008 664	19	Knurled srew		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 KB 30x8		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	Washer 6.1x9x0.5		023 219
	590	Slide bearing	023 627	510	U-washer 5		020 901
11	Strap		221 316	512	Adjusting washer 15x21x1		023 216
12	Cover		251 098	514	U-washer 4,3		020 908
13	Bush		221 391	517	Pan-head screw M4x8		023 579



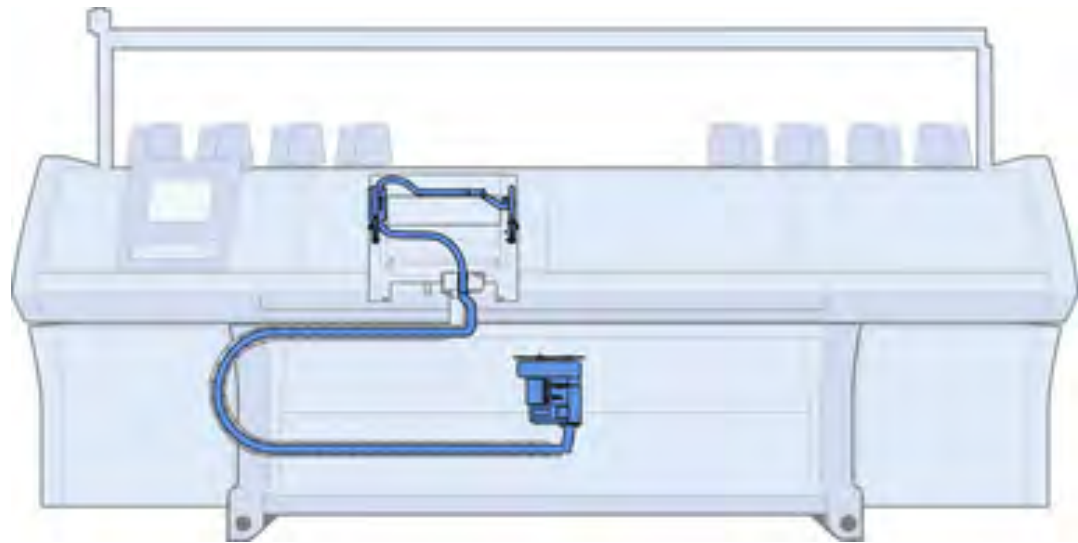
9.7 Friction feed wheel on the left and on the right complete

9.7.2 Right friction feed wheel

Pos	Designation		Id		Pos	Designation		Id
Σ	Friction feed wheel on the right complete		243 572		14	Ribbed V-belt pulley		221 268
1	Housing		240 368		15	Ribbed V-belt pulley V3J 406		206 927
2	Friction roller complete		231 704		16	Rod		221 319
3	Three-phase A.C. motor complete		219 800		18	Cover		230 758
	3a	Microswitch	008 664		19	Knurled srew		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 KB 30x8		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	Washer 6.1x9x0.5		023 219
	590	Slide bearing	023 627		510	U-washer 5		020 901
11	Strap		221 316		512	Adjusting washer 15x21x1		023 216
12	Cover		251 098		514	U-washer 4,3		020 908
13	Bush		221 391		517	Pan-head screw M4x8		023 579

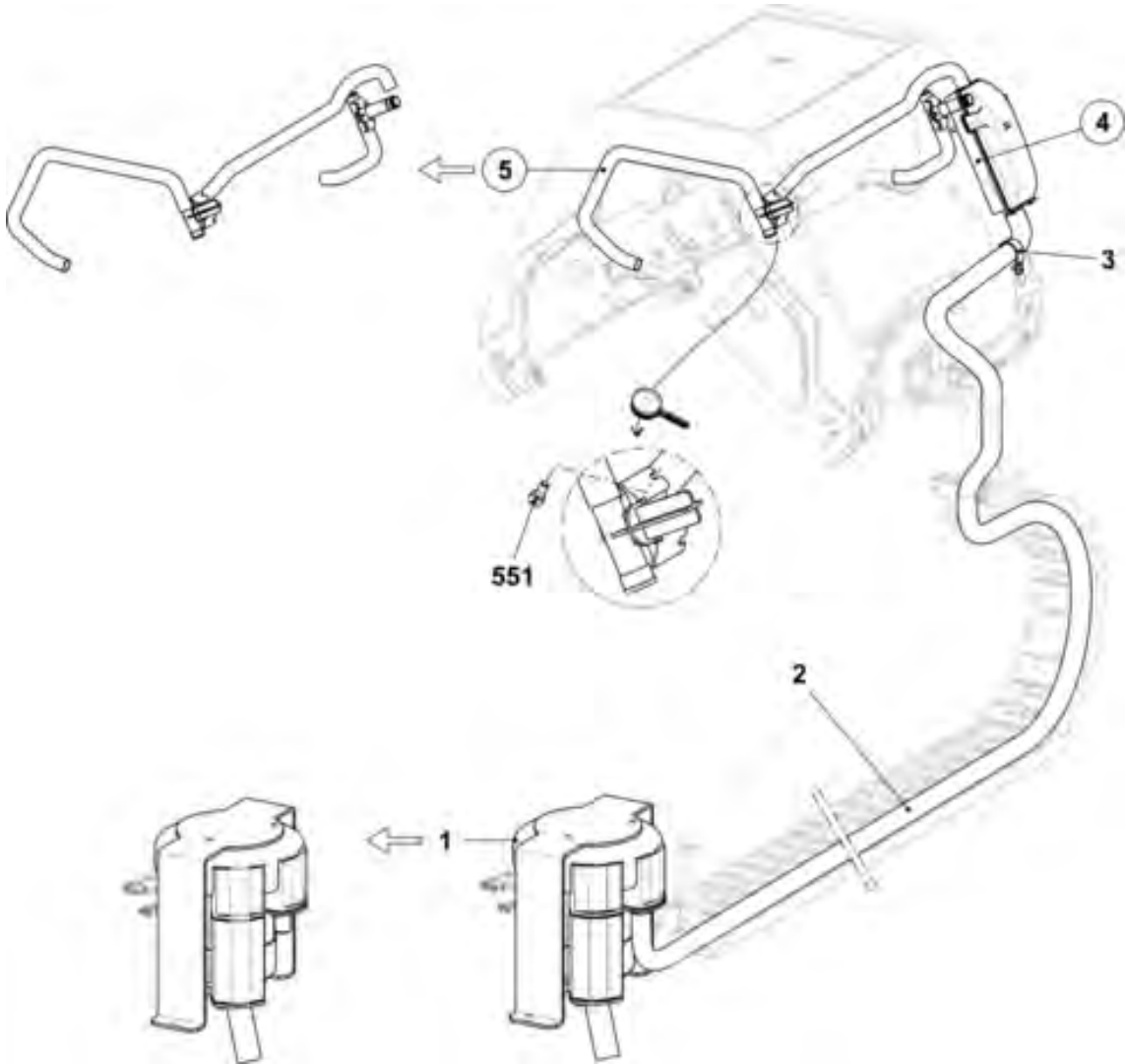


10 Fluff absorption



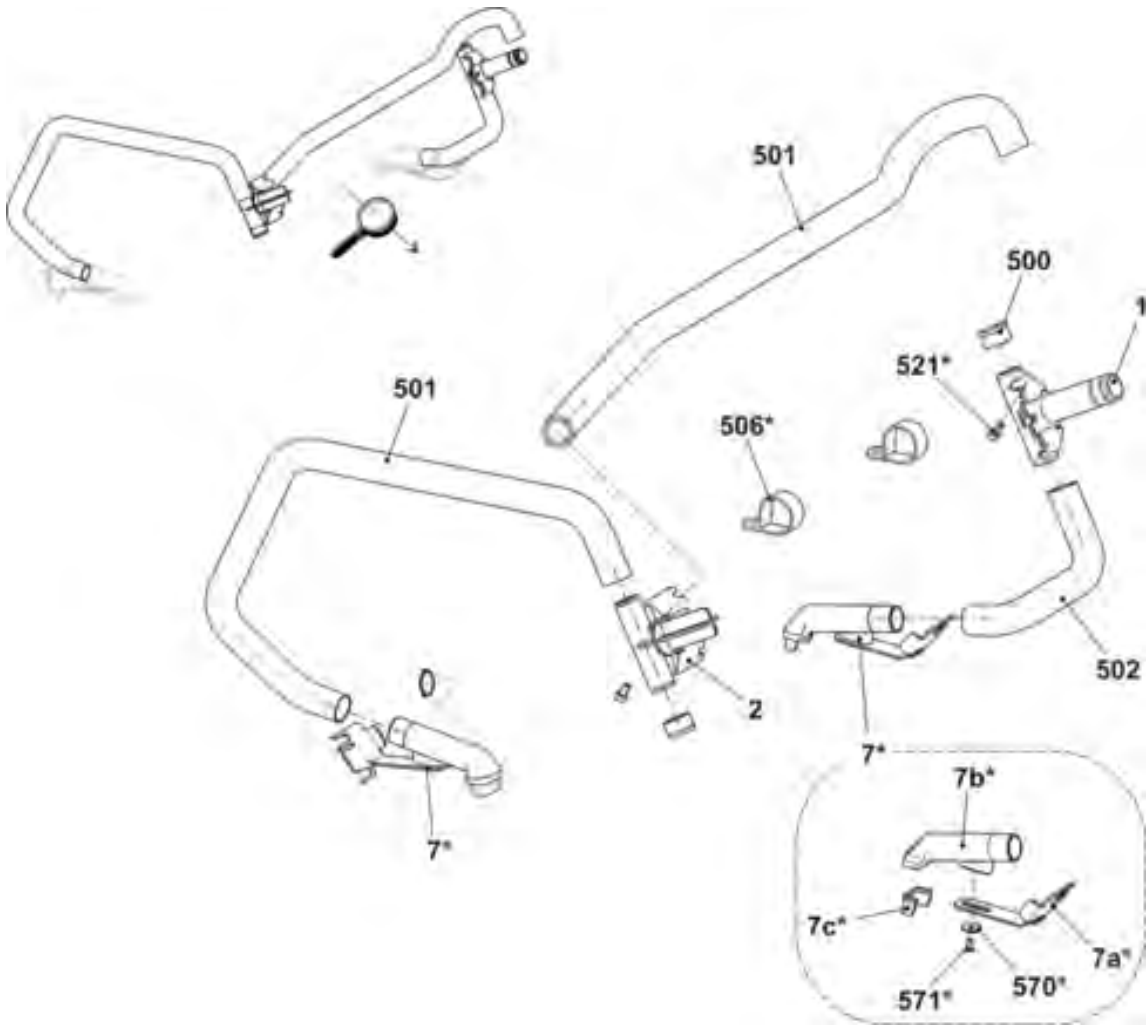
10.1 Fluff absorption

Pos	Designation	Id		Pos	Designation	Id
Σ	Fluff absorption					
1	Suction fan complete	251 332		4	Lint container	245 024
2	Suction hose 29x25x3350	251 328		5	Set of tubes complete 730S	251 354
3	Hose fitting	214 653		551	Cap screw M4x8	022 501



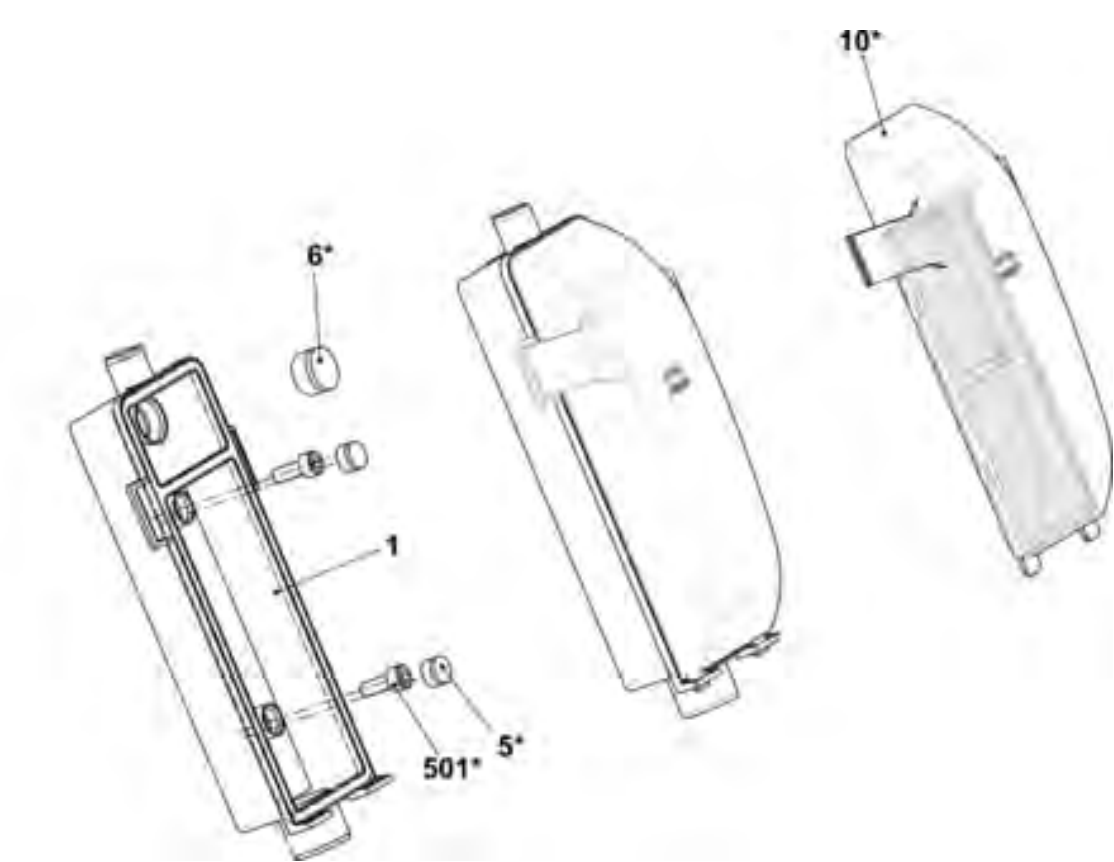
10.2 Hose set

Pos	Designation	Id		Pos	Designation	Id	
Σ	Set of hose complete 730S	251 354					
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*	Disk 3.2x12x1	020 892
506*	Cable clip	250 051			571*	Screw KB30x6	241 424
521*	Cap screw M4x8	022 501					

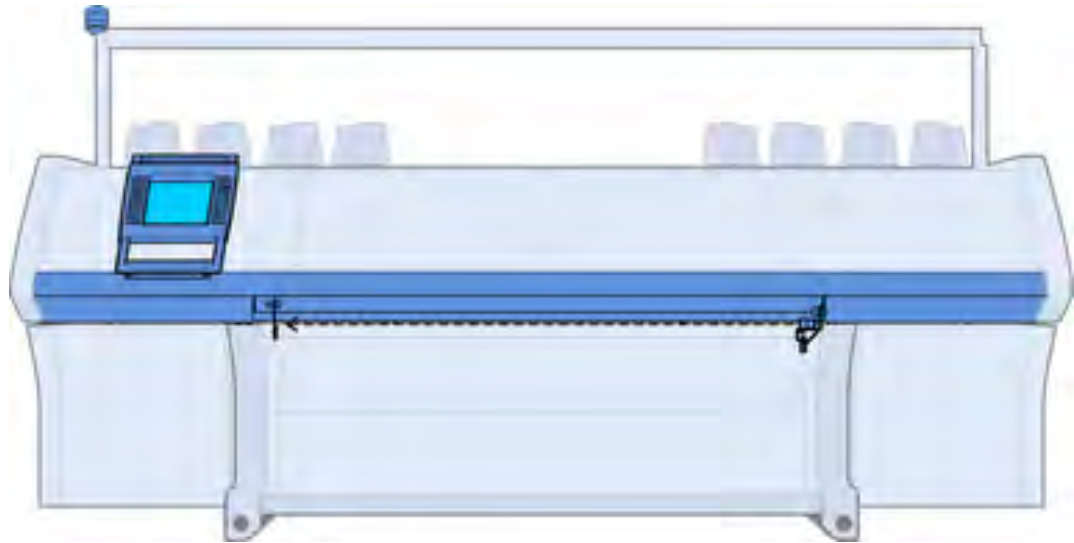


10.3 Lint container

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 screw M6x10	023 690



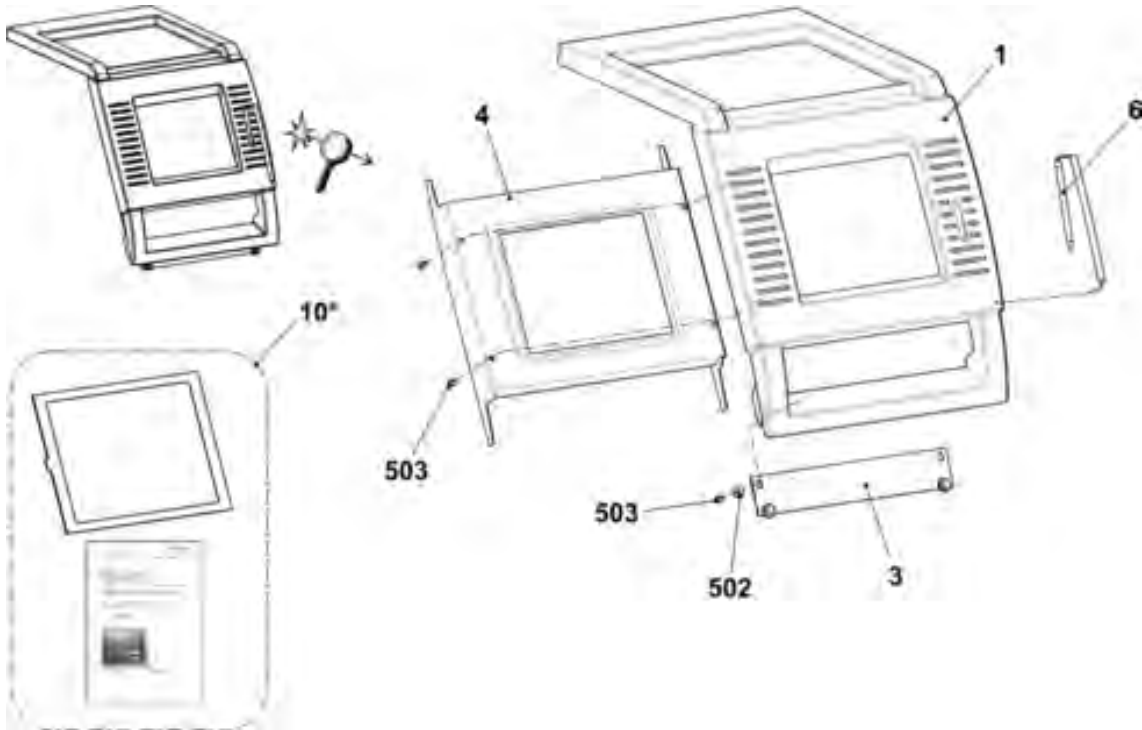
11 Operation and control



11.1 Input unit

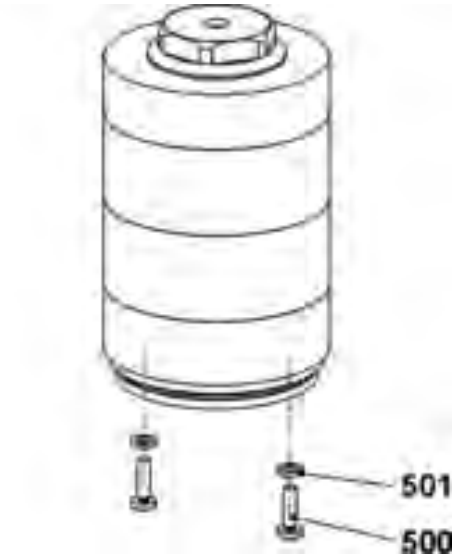
11.1 Input unit

Pos	Designation	Ident No.		Pos	Designation	Ident No.
Σ	Input unit complete	240 194		6	Touch pen	242 812
1	Base frame	240 195		10*	Touch panel spare parts package	244 554
3	Bearing strip complete	240 198		502	U-washer	020 901
4	Display touch complete	250 298		503	Screw KB 50x12	240 359



11.2 Signal light

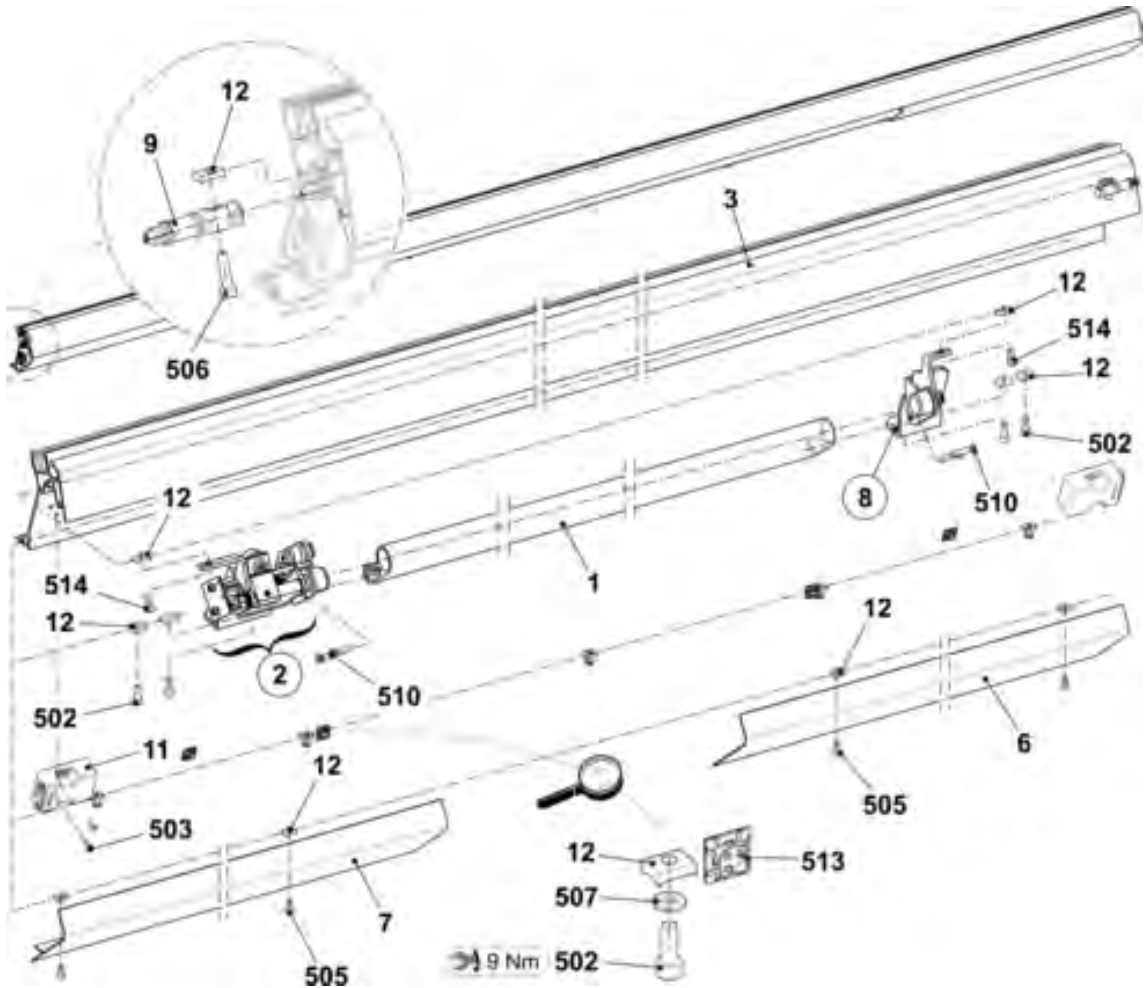
Pos	Designation		Id		Pos	Designation		Id
Σ	Warning light LED		240 395					
	500	Countersunk screw M4x14	023 037					
	501	Serrated lock washer A4.3-FS	022 482					



11.3 Starting unit

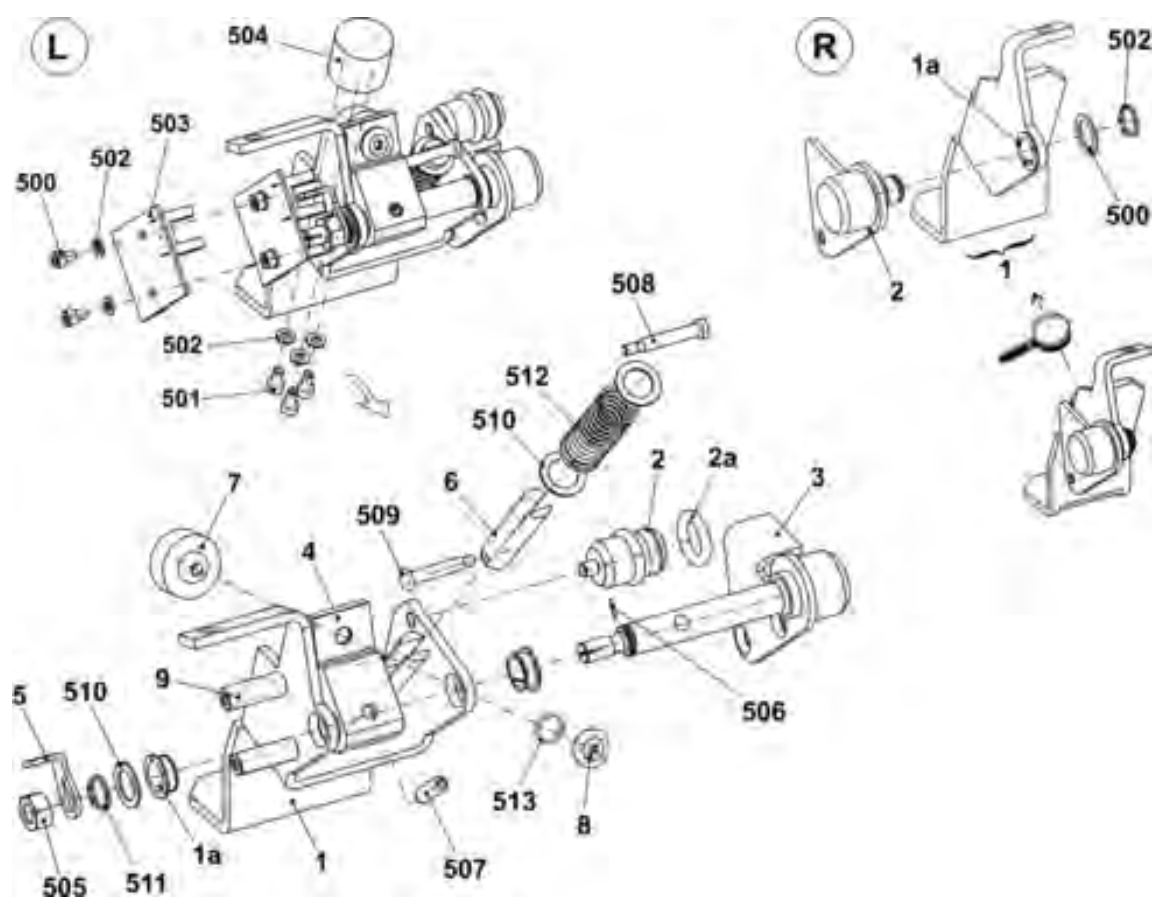
11.3 Starting unit

Pos	Designation	Id		Pos	Designation	Id
Σ	Starting unit	240 569		12	Sliding block	225 099
1	Engaging rod	240 718		502	Cap screw M6x16	020 135
2	Bearing on the left complete	250 071		503	Countersunk screw M5x14	023 588
3	Guide rail at the bottom complete	257 516		505	Cap screw M6X12	020 134
6	Cover plate on the right	251 214		506	Cap screw M6x20-12.9	020 136
7	Cover plate on the left	251 215		507	U-washer	020 872
8	Bearing on the right complete	252 964		510	Screw M6x25	023 510
9	Fixing bolt	219 107		513	Adhesive base	243 055
11	Cable switch protective hoods	223 350		514	Cap screw M6X10	023 690



11.3.1 Bearing of the engaging rod

Pos	Designation	Ident No.	Pos	Designation	Ident No.
L	Bearing on the left complete	250 071			
1	Bearing on the left	245 218	505	Hexagon nut M4-6	020 838
1a	Clip bearing MCM12-04	023 639	506	Dowel pin 1.5x8	236 923
2	Support 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	Adjusting washer 12x18x1	023 315
5	Switch flag	245 220	511	Locking ring 12x1	020 951
6	Spring mandrel	251 340	512	Compression spring 1.25x15x98.2	023 609
7	Disc	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	Adjusting washer 4x8x1	023 369	2	Shaft on the right	242 888
503	Card engaging	240 167	500	Shim ring 12x18x1	023 315
504	Adhesive magnet direct current	026 233	502	Locking ring 12x1	020 951



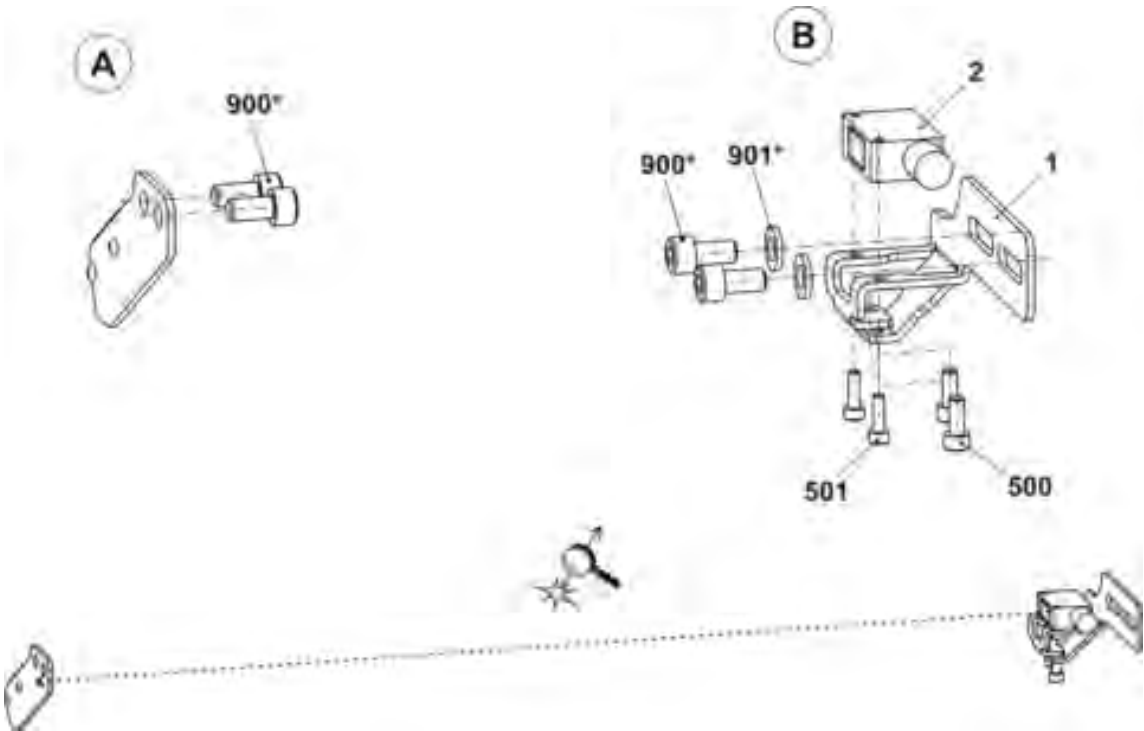
11.4 Shock stop motion

Pos	Designation	Id		Pos	Designation	Id
Σ	Shock stop motion complete 730S	255 316		2	Cable microphone distributor at the front	255 296
1	Shock sensor	255 315		3	Cable microphone distributor at the rear	255 296



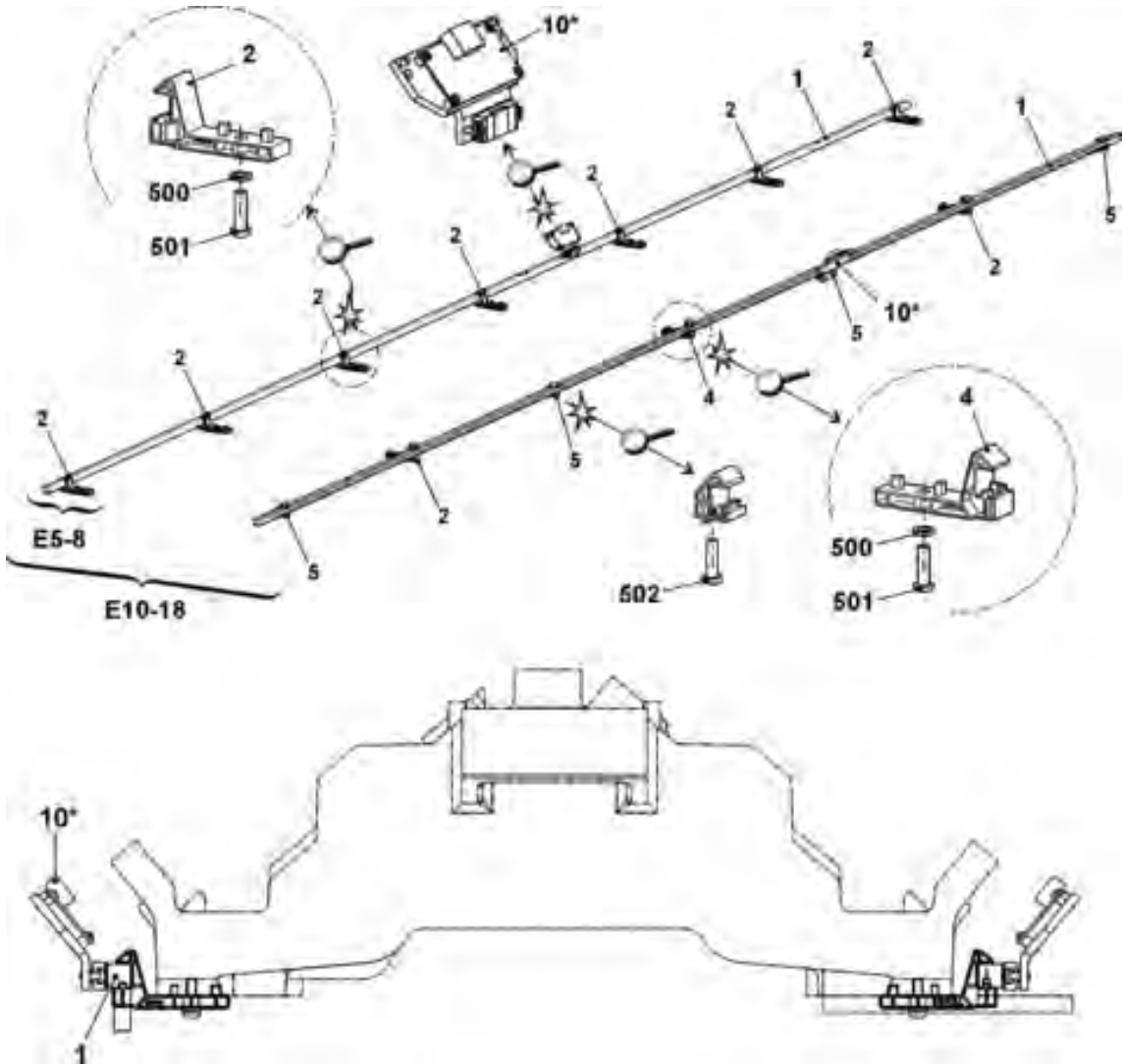
11.5 Collecting area - control

Pos	Designation	Id		Pos	Designation	Id
A	Reflector complete	256 826		B	Angle support photoelectric sensor	257 409
900*	Cap screw M6X12	020 134		1	Support angle	256 806
				2	Photoelectric sensor	243 355
				500	Cap screw M4X10	023 136
				501	Cap screw M3X10	022 991
				900*	Cap screw M6X12	020 134
				901*	U-washer	020 872

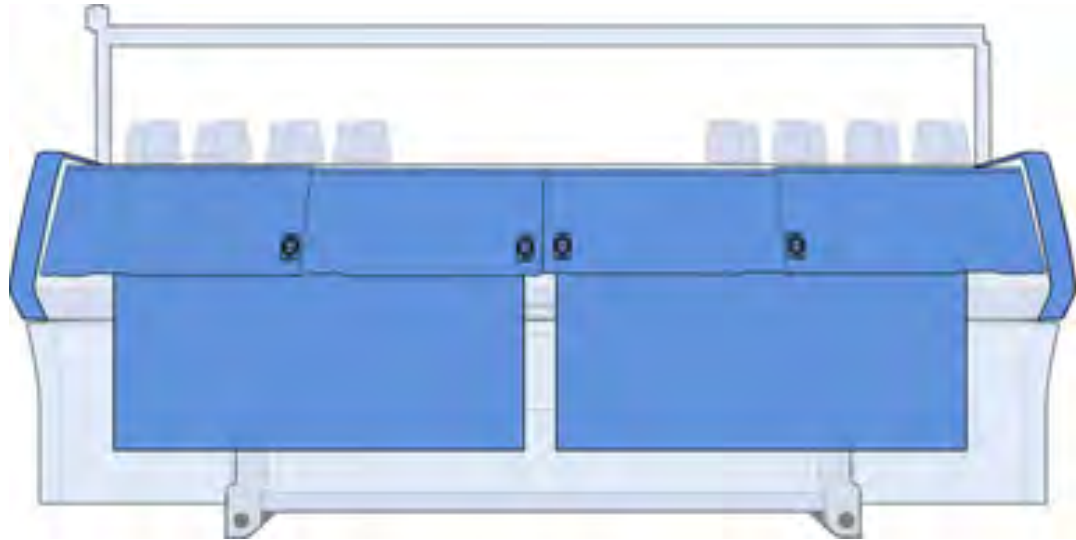


11.6 Measuring device

Pos	Designation	Id	Pos	Designation	Id
Σ	Measuring device				
1	Measuring bar	241 037	10*	Measuring head complete	240 562
2	Guidance	251 676	500	U-washer	020 881
4	Guidance	240 672	501	Countersunk screw	241 603
5	Guidance exterior	251 605	502	Screw 60x20	243 625



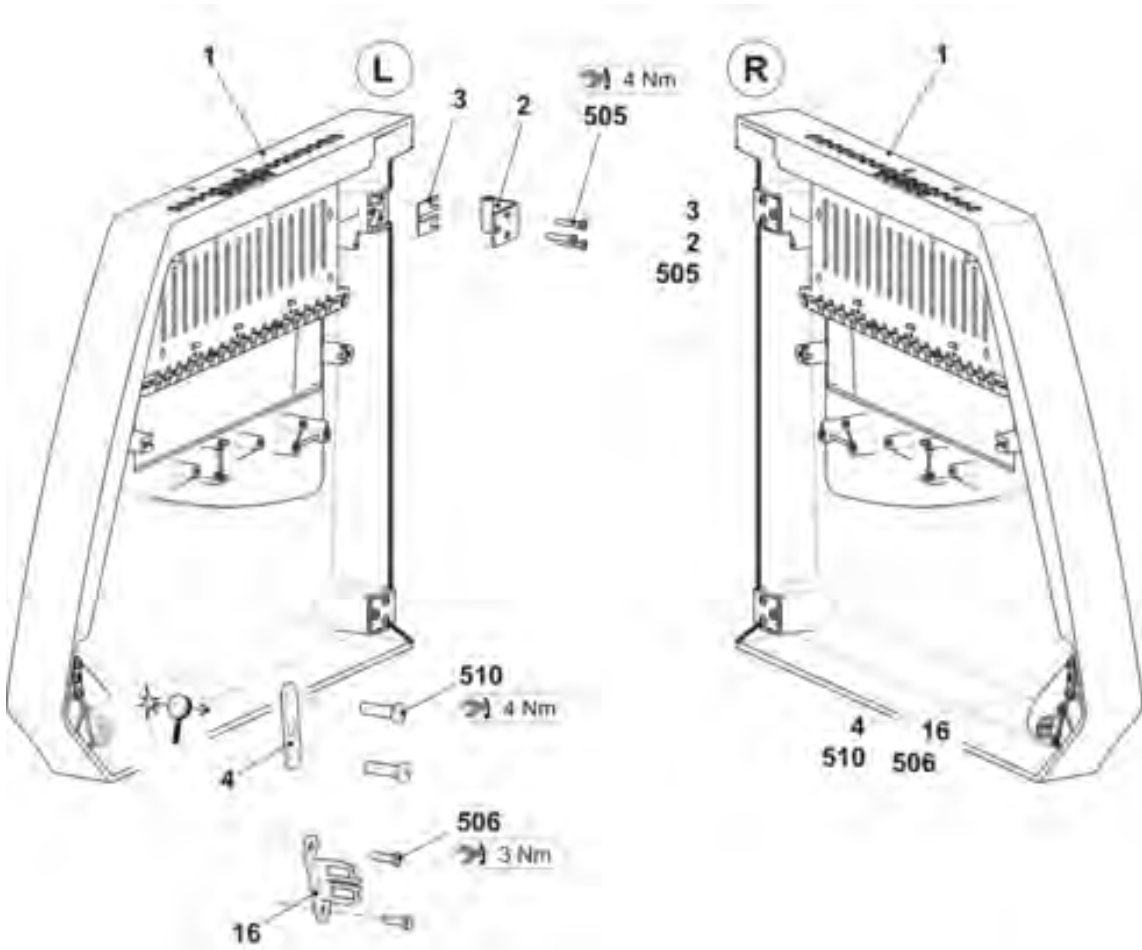
12 Protective device



12.1 Lateral safety covers

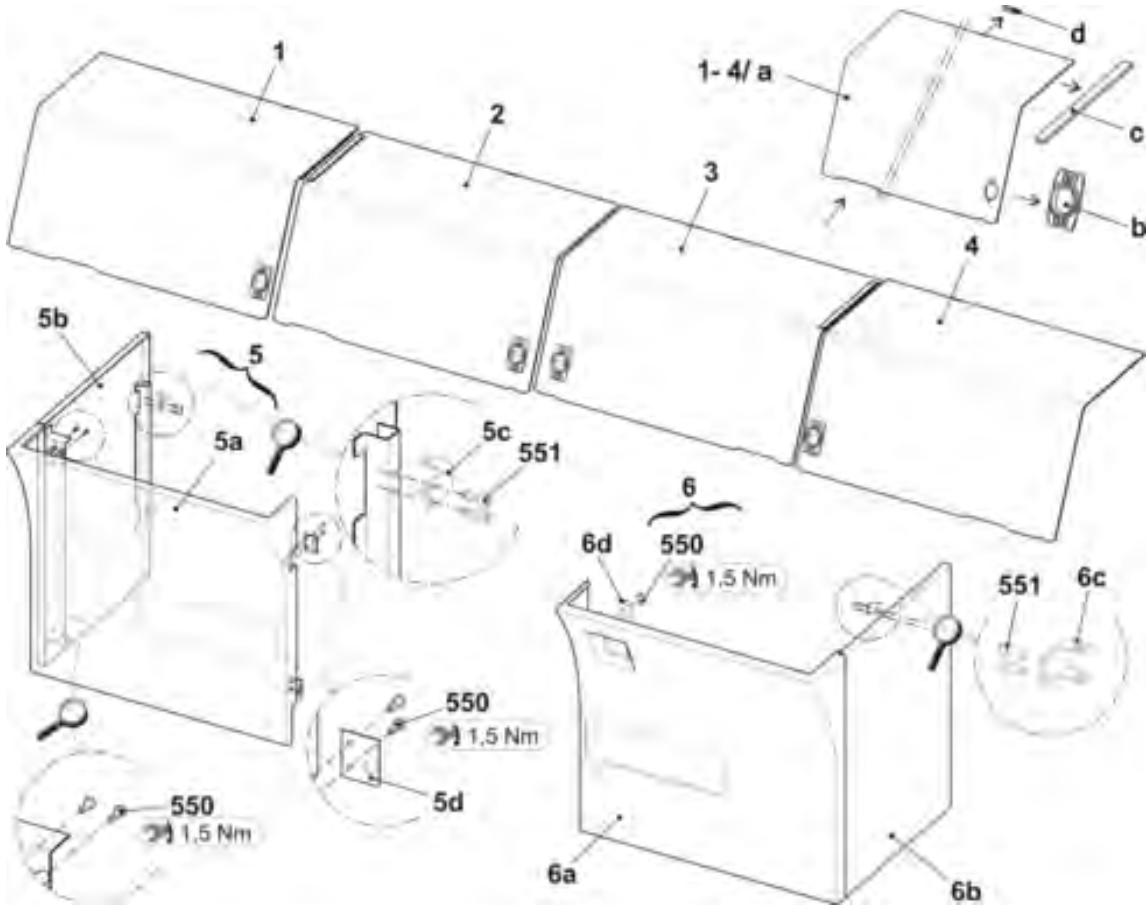
12.1 Lateral safety covers

Pos	Designation	Id		Pos	Designation	Id
Σ	Safety door on the left			Σ	Right safety cover	
	E3 - E5 (E3,5.2 E5.2)	241 271			E3 - E5 (E3,5.2 E5.2)	241 274
	E7 - E8 (E6.2)	241 272			E7 - E8 (E6.2)	241 275
	E10 - E18 (E7.2 E9.2)	241 273			E10 - E18 (E7.2 E9.2)	241 276
1	Safety door on the left	250 562		1	Safety door on the right	250 563
2	Hinge	241 994		505	Screw KB 60x30	237 683
3	Plate	224 717		510	Screw KB60 x 20	237 682
4	Locking plate	219 748				



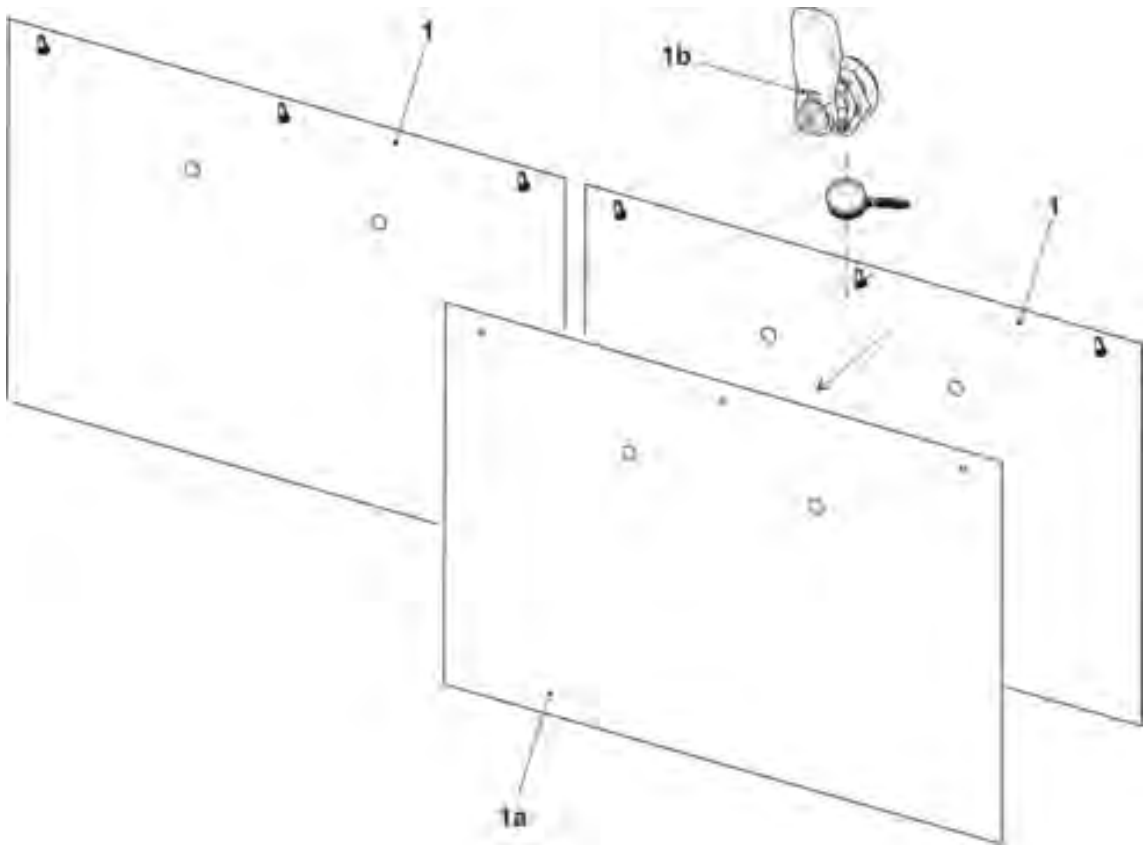
12.2 Panelling

Pos	Designation	Id		Pos	Designation	Id
1	Cover 1 (complete)	257 511		3	Cover 3 (complete)	257 513
	1a Cover 1	257 503			3a Cover 3	257 505
	1b Inlet type handle	251 376			3b Inlet type handle	251 376
	1c Stripper	219 393			3c Stripper	219 393
	1d Magnet	204 666			3d Magnet	204 666
2	Cover 2 (complete)	257 512		4	Cover 4 (complete)	257 514
	2a Cover 2	257 504			4a Cover 4	257 506
	2b Inlet type handle	251 376			4b Inlet type handle	251 376
	2c Stripper	219 393			4c Stripper	219 393
	2d Magnet	204 666			4d Magnet	204 666
5	Control unit panelling on the left complete	251 235		6	Control unit panelling on the right complete	251 236
	5a Control unit panelling on the left	251 188			6a Control unit panelling on the right	251 189
	5b Side part	244 989			6b Side part	244 989
	5c Hinge	250 273			6c Hinge	250 273
	D 5 Strap	240 412			6 D Strap	240 412
	550 Screw KB 50x12	240 359			550 Screw KB 50x12	240 359
	551 Cap screw M6x16	020 135			551 Cap screw M6x16	020 135

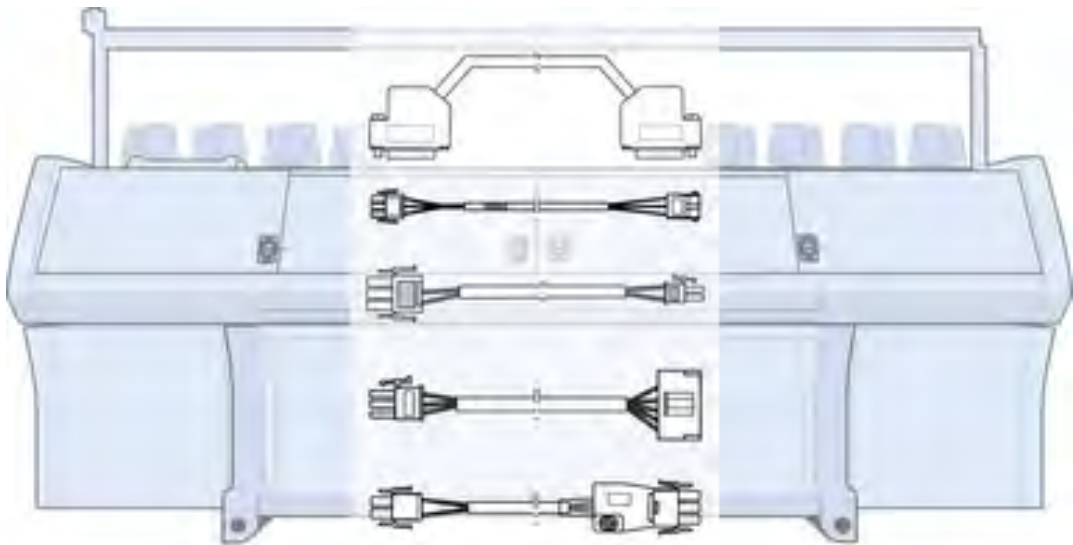


12.3 Rear panel

Pos	Designation	Id		Pos	Designation	Id
1	Panelling at the rear complete	257 669		1a	Panelling	257 663
				1b	Safety sash fastener	243 052



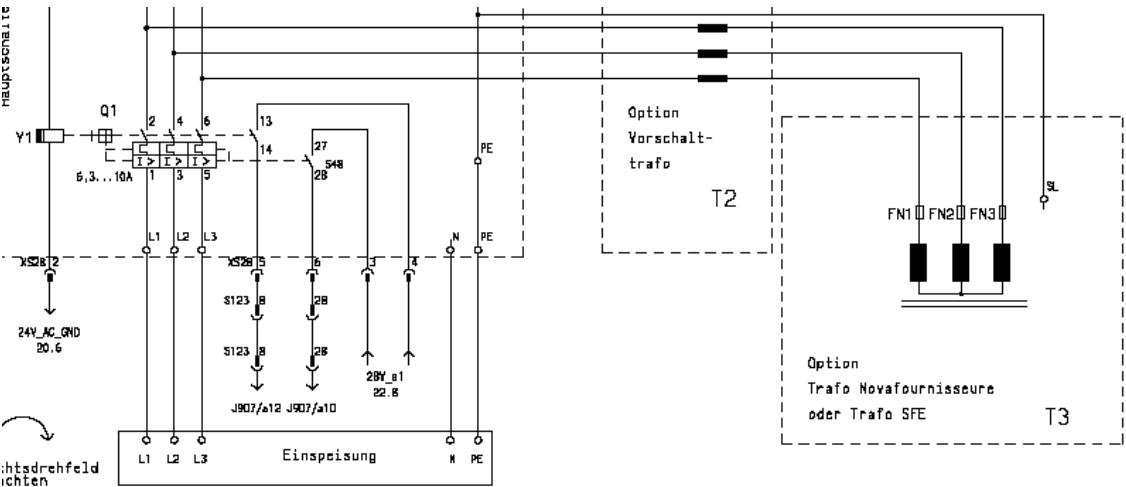
13 Electrical equipment



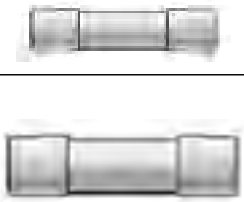
13.1 Circuit diagram (221) as PDF

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

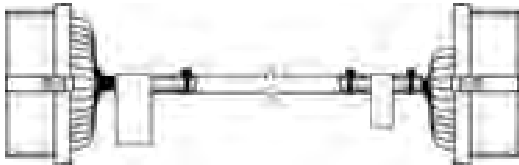
You will find the circuit diagram 221 on the CMS documentation DVD with the ID 257 157



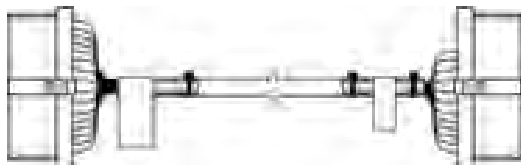
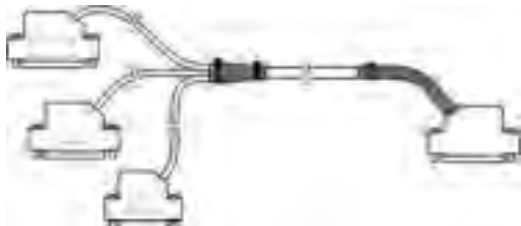
13.2 Fuses

Designation		Ident No.
	Fuse 1.0A F 5x20	008 748
	Fuse 3.15A T/440V 6.3x32	025 261
	Fuse 10A T/440V 6.3x32	025 258
	Fuse 2.5A T/440V 6.3x32	217 465
	Fuse 1.6A T/440V 6.3x32	236 229
	Fuse 6.3A T/440V 6.3x32	026 809
	Fuse 8A T/440V 6.3x32	241 866
	Fuse 12.5A T/440V 6.3x32	232 367

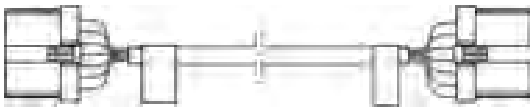
13.3 Trailing cable E3,5.2

Designation	Id		Designation	Id
Trailing cable set 730S E5-8	253 737			
Cable impulse giver at the rear XL136 730S	240 599		Cable SM1 at the rear XD4 730S	235 671
			Cable SM1 at the front XD4 730S	235 675
				
Cable yarn carrier 730S	241 836		Cable SM2 at the rear XD3 730S	235 672
			Cable SM2 at the front XD3 730S	235 676
			Cable SM3 at the rear XD2 730S	235 673
Cable signal at the rear XD1 730S	235 670		Cable SM3 at the front XD2 730S	235 677
Cable signal at the front XD1 730S	235 674			
				

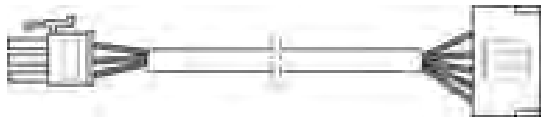
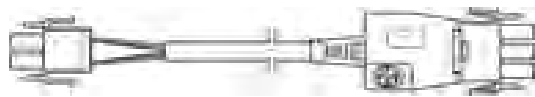
13.4 Trailing cable E5.2 | E6.2 | E7.2 | E9.2

Designation	Id	Designation	Id
Trailing cable set 730S	235 669		
Cable impulse giver at the rear XL136 730S	240 599	Cable SM1 at the rear XD4 730S	235 671
Cable impulse giver at the front XL137 730S	240 600	Cable SM1 at the front XD4 730S	235 675
			
Cable yarn carrier 730S	241 836	Cable SM2 at the rear XD3 730S	235 672
		Cable SM2 at the front XD3 730S	235 676
Cable signal at the rear XD1 730S	235 670	Cable SM3 at the rear XD2 730S	235 673
Cable signal at the front XD1 730S	235 674	Cable SM3 at the front XD2 730S	235 677
			

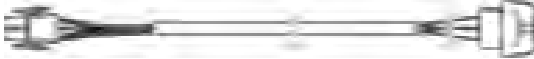
13.5 Loom of cables base 1

Designation	Id		Designation	Id	
Loom of cables base 1	253 439				
Cable engaging OKC	240 289		Cable mains supply FKE lamp	240 290	
					
Cable protective unit on the left	253 442				
					

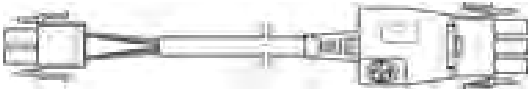
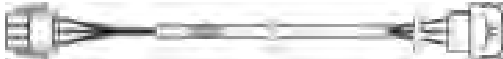
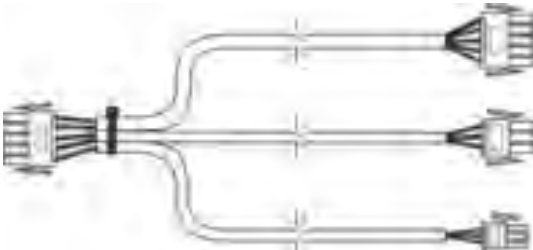
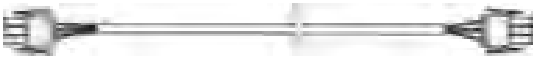
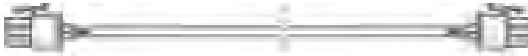
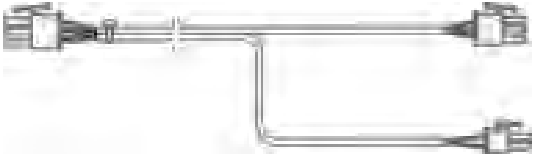
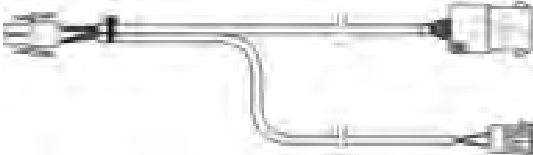
13.6 Loom of cables base 2

Designation	Id		Designation	Id	
Loom of cables base 2	253 440				
Cable motor HAAB	240 291		Cable limit switch racking	240 292	
					
Cable ventilator drive	240 293		Cable Feed wheel on the right	240 294	
					
Cable Drive motor	240 295		Cable resolver drive	240 296	
Cable Racking motor	240 297		Cable resolver racking	240 298	
					
Cable protective unit on the right	253 441				
					

13.7 Loom of cables comb

Designation	Id		Designation	Id	
Loom of cables comb	240 259				
Cable motor comb hook	240 308		Cable switch KAHA	240 309	
					
Cable motor comb	240 310		Cable switch comb	240 311	
					
Cable switch HAAB	240 312				
					

13.8 Loom of cables 72"

Designation	Id		Designation	Id
Loom of cables 72"	240 588			
Cable CAN 72"	240 460		Cable Electro 72"	240 462
				
Cable Feed wheel on the left 72"	240 465		Cable motor HIAB 72"	240 590
				
Cable switch HIAB 72"	240 591		Cable power supply WAZ/F 72"	240 470
				
Cable power supply servo 72"	240 503		Cable power supply unit of mains supply	236 573
				
Cable power supply 72"	240 506		Cable motor HAAB OEF/S 72"	240 610
				
Cable switch HAOS 72"	240 611		Cable switch HIAB pressure motor OKC	240 593
				
Cable HIAB pressure motor OKC	240 592		Cable power supply FLENT 72"	251 242
				

13.9 Loom of cables

Designation	Id		Designation	Id
Loom of cables 730S	240 589			
Cable Clamping/cutting drive on the right	240 613		Cable C/C drive on the left	240 612
				
Cable Clamping/cutting sensors 72"	240 614		Cable yarn guide system 730S	236 055
				

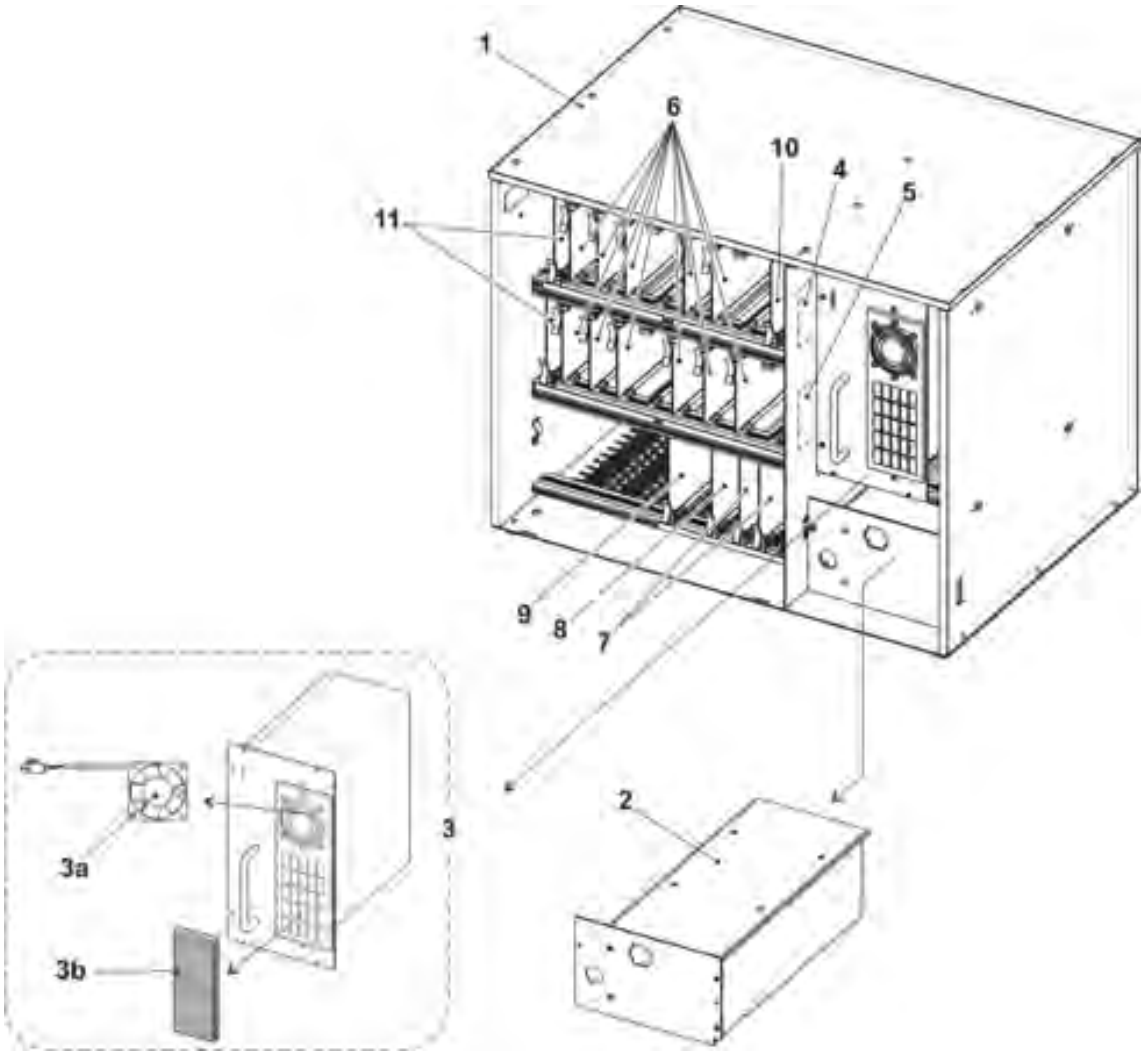
14 Control electronics



14.1 Left control cabinet

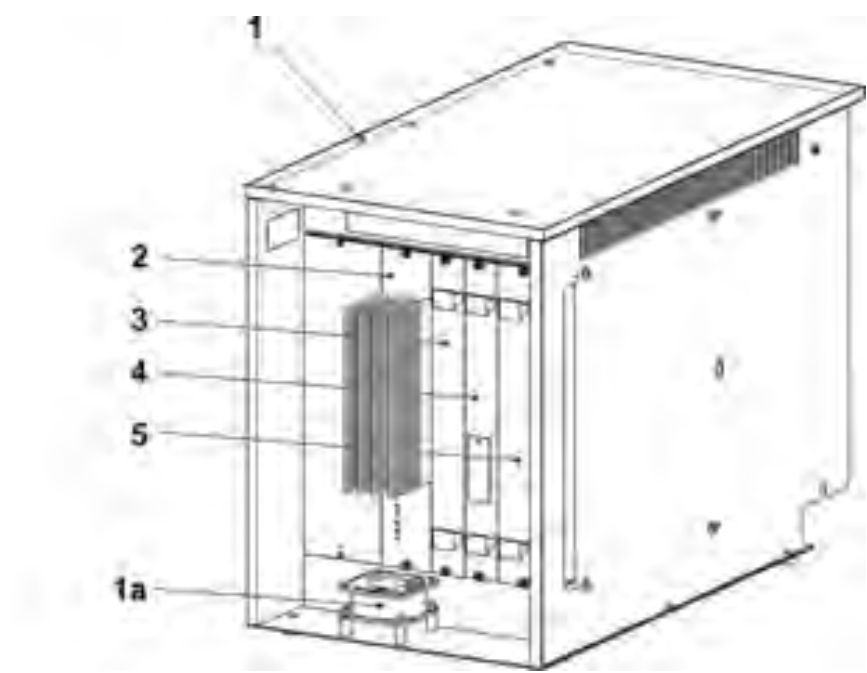
14.1 Left control cabinet

Pos	Designation		Id		Pos	Designation		Id
Σ	Control unit on the left complete 730S		255 963		5	Card YC final stages		300 939
1	Control unit on the left without equipment 730S		255 962		6	Card amplifier 4SM 7TE		300 943
2	Battery plug-in unit		300 924		7	Card N-CPU 432		300 965
3	Power supply unit CG54		300 977		8	Card power CPU B		301 009
	3a	Ventilator power supply unit	239 305		9	Card IPC-P8X S 01		301 010
	3b	Filter mat CG54	239 350		10	Card SM-CPU 2		300 946
4	Battery card		300 951		11	Card SM-CPU 2		300 947



14.2 Right control cabinet

Pos	Designation		Id		Pos	Designation	Id
Σ	Control unit on the right complete 2A 72"		238 738				
1	Control unit on the right without equipment 2A		238 737		3	Card relay	300 953
	1a	Axial ventilator Servo05	229 059		4	Card CWAZ	300 929
2	Card servo 6		301 000		5	Card CWAZ capacitor	300 936



Notes:

15 Deliverable accessories

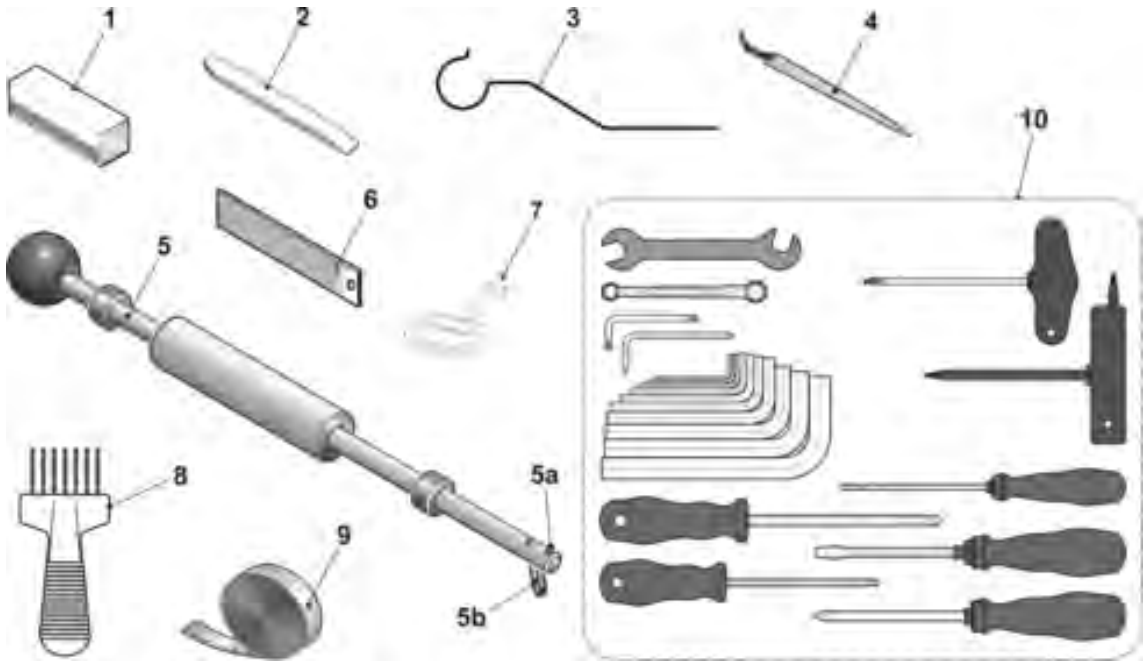


You can order the following tools, lubricants and expendables.
The following list does not correspond to the scope of delivery of the knitting machine.

15.1 Tool

15.1 Tool

Pos	Designation	Id		Pos	Designation	Id
1	Channel support E4	062 309		6	Groove file 0,45mm E16-18	006 169
	Channel support E5, E2,5.2	062 310			Groove file 1.25 mm E5-8, E3,5.2	006 170
	Channel support E7, E3,5.2	062 312			Groove file 0.65mm E10-12, E5.2 + 6.2	006 175
	Channel support E8	062 313			Groove file 0.73 mm E14, E7.2	006 173
	Channel support E10, E5.2	062 314			Groove file 0.45 mm E16-18, E9.2	006 179
	Channel support E12, E6.2	062 315		7	Key of switch cabinet	009 346
	Channel support E14, E7.2	218 069		8	Groove cleaner E4	031 232
	Channel support E16, E8.2	230 188			Groove cleaner E5	031 233
	Channel support E18, E9.2	230 189			Groove cleaner E6	031 234
	Channel support E20	230 190			Groove cleaner E7, E3,5.2	031 235
					Groove cleaner E8	031 236
2	Channel chisel E14-20 (E5-14)	062 316			Groove cleaner E10 (E5.2)	031 238
	Channel chisel E4-8 (E3,5.2)	062 317			Groove cleaner E12 (E6.2)	031 240
	Channel chisel E10-14	062 318			Groove cleaner E14 (E7.2)	031 242
3	Yarn guide on the left	227 071			Groove cleaner E16	225 111
	Yarn guide on the right	227 070			Groove cleaner E18 (E9.2)	225 112
4	Working hook	227 249			Groove cleaner E20	225 113
5	Extraction hook	232 027		9	Measuring tape L=150 cm	228 180
	5a Small pin	202 843		10	Tool kit	209 527
	5b Pin	232 022				



15.2 Lubricating stuff

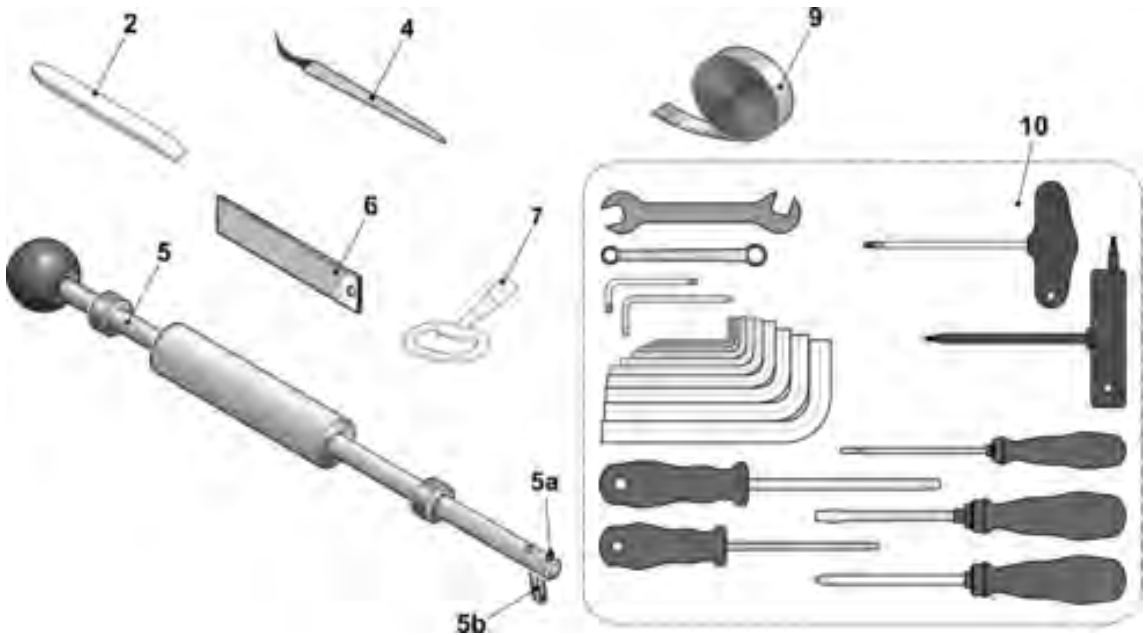
Pos	Designation	Id		Pos	Designation	Id
1	Textile machines oil T46, 1l	230 614		4	Oil combifix, no. 8/10 size 10	216 732
2	Grease OKS 475, 1kg	009 200		5	White grease paste OKS270	229 372
3	Grease OKS 475, 150g	005 351		6	Grease Staburags NBU 12/300KP	231 191



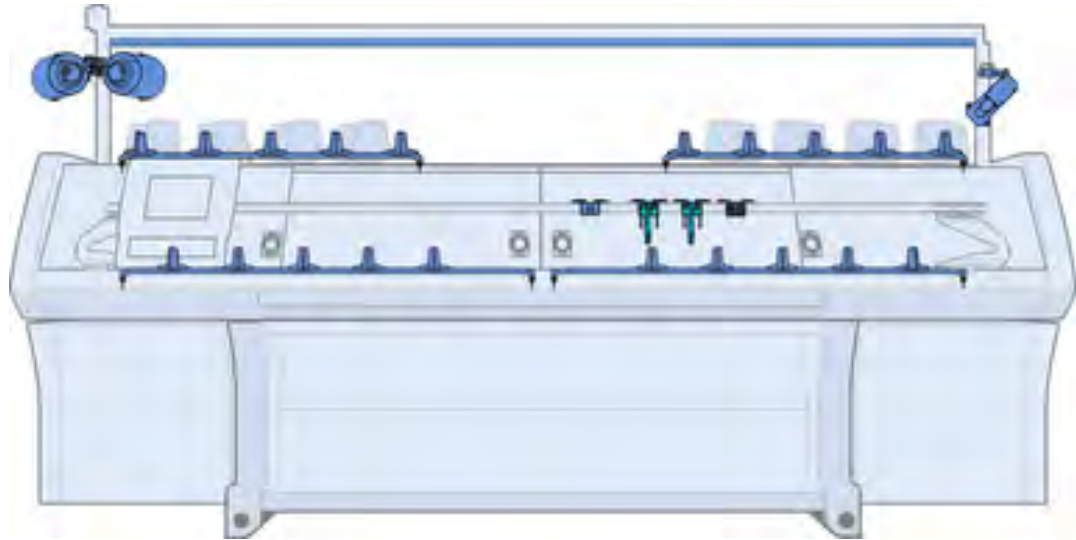
15.3 Tool

15.3 Tool

Pos	Designation		ID No.	Pos	Designation	ID No.
2	Channel chisel E14-18 (E5-14)		062 316	6	Groove file 1.25 mm E5-8, E3,5.2	006 170
	Channel chisel E4-8 (E3,5.2)		062 317		Groove file 0.65mm E10-12, E5.2 + 6.2	006 174
	Channel chisel E10-14		062 318		Groove file 0.73 mm E14, E7.2	006 173
4	Working hook		227 249		Groove file 0.45 mm E16-18, E9.2	006 179
5	Extraction hook		232 027	7	Key of switch cabinet	009 346
	A5	Small pin	202 843	9	Measuring tape L=150 cm	228 180
	5b	Pin	232 022	10	Tool kit	209 527



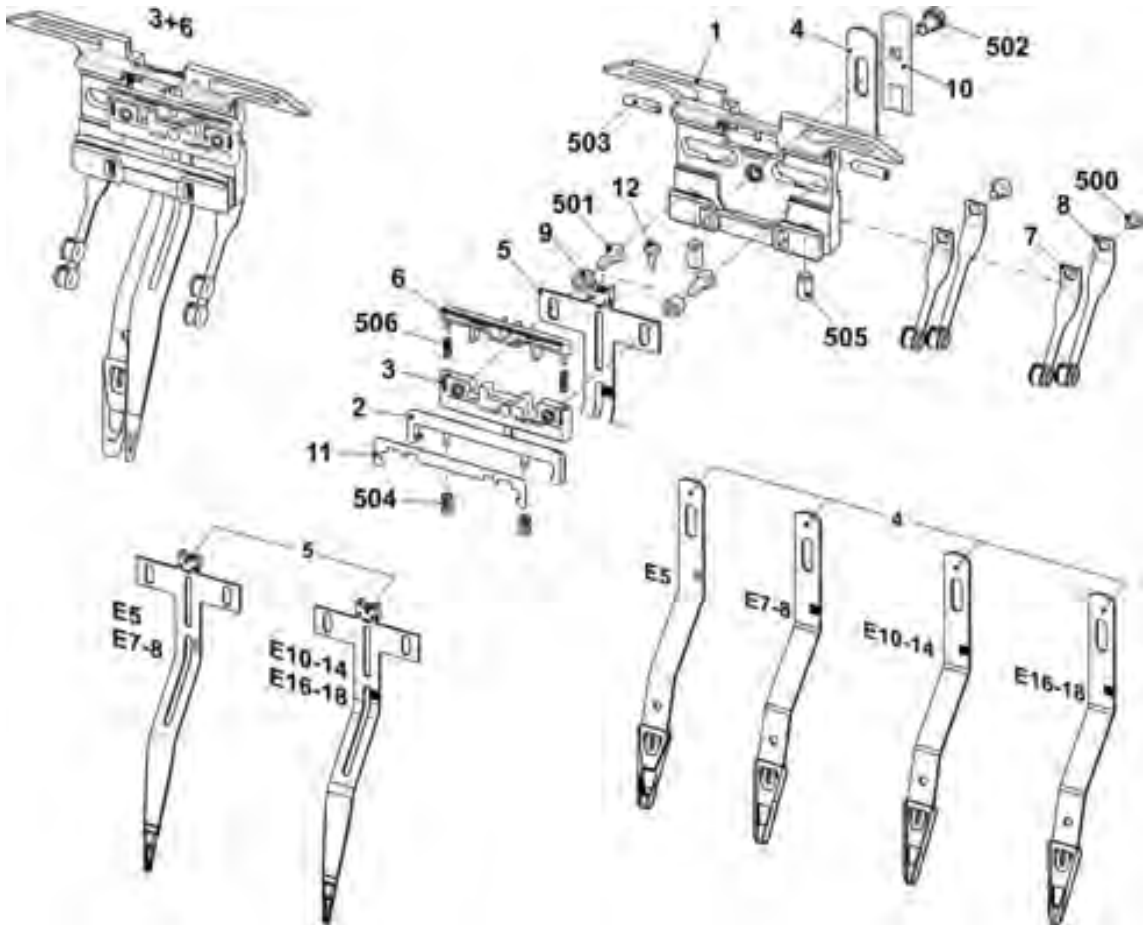
16 Special attachments



16.1 Plating yarn carrier 3+6

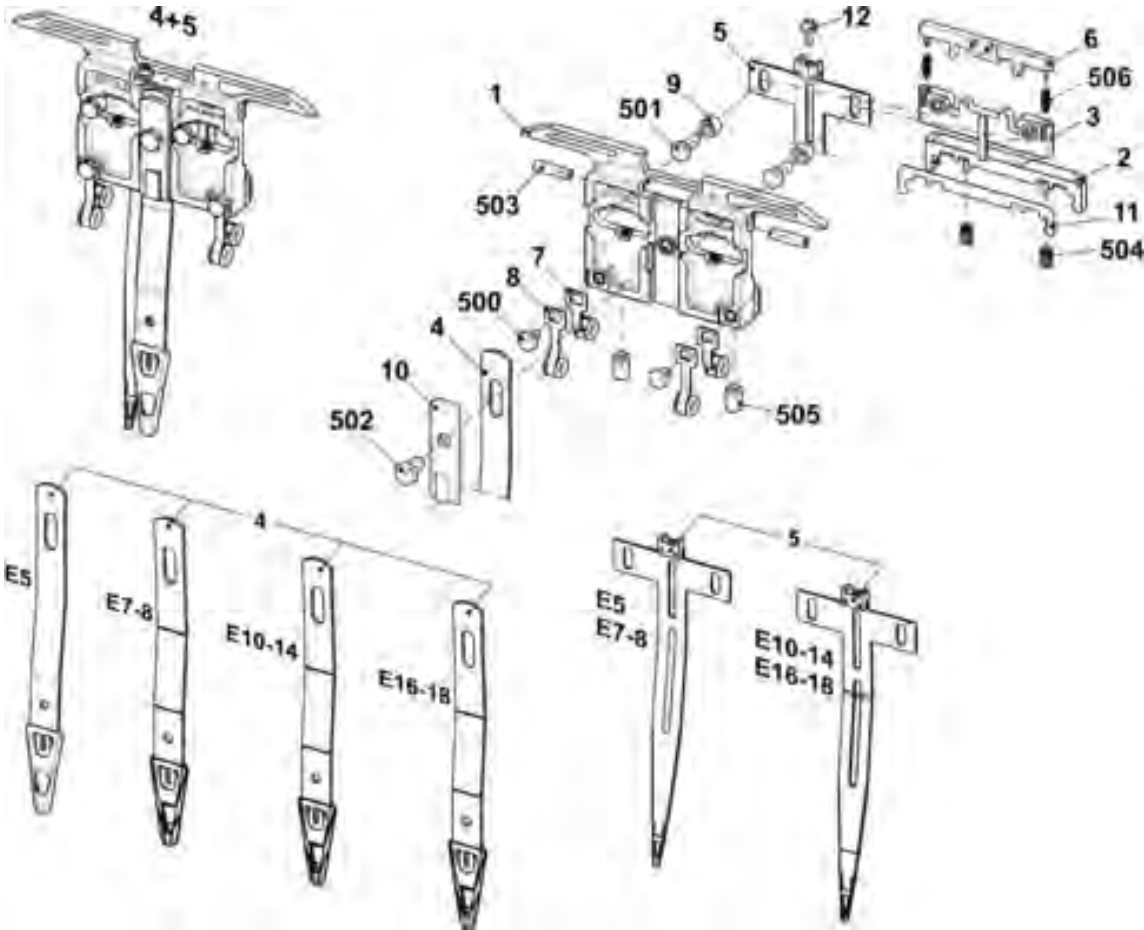
16.1 Plating yarn carrier 3+6

Pos	Designation	Id		Pos	Designation	Id
Σ	Plating yarn carrier carriage 3+6 complete					
	E5 (E3,5.2 E5.2)	252 782		6	Sliding piece	252 797
	E7-8 (E6.2)	252 784		7	Eyelet holder complete	252 825
	E10-14 (E7.2 E8.2)	252 786		8	Eyelet holder complete	252 824
	E16-18 (E9.2)	252 788		9	Distance bushing	252 796
1	Plating yarn carrier carriage	252 806		10	Shim 0,03x11x80	213 035
2	Sliding piece	212 583		11	Shim 0,03x11x80	216 143
3	Slider	252 798		12	Adjusting screw	253 436
4	Plating yarn carrier bow 3+6			500	Hexagon screw M4x5	243 779
	E5 (E3,5.2 E5.2)	252 820		501	Hexagon screw M4x10	020 346
	E7-8 (E6.2)	252 821		502	Hexagon screw	252 832
	E10-14 (E7.2 E8.2)	252 822		503	Set screw M4x16	254 196
	E16-18 (E9.2)	252 823		504	Compression spring	021 399
5	Plating yarn carrier bow 3+6 E5-8	252 800		505	Threaded bolt	213 399
	Plating yarn carrier bow 3+6 E10-18	252 808		506	Compression spring	253 058



16.2 Plating yarn carrier 4+5

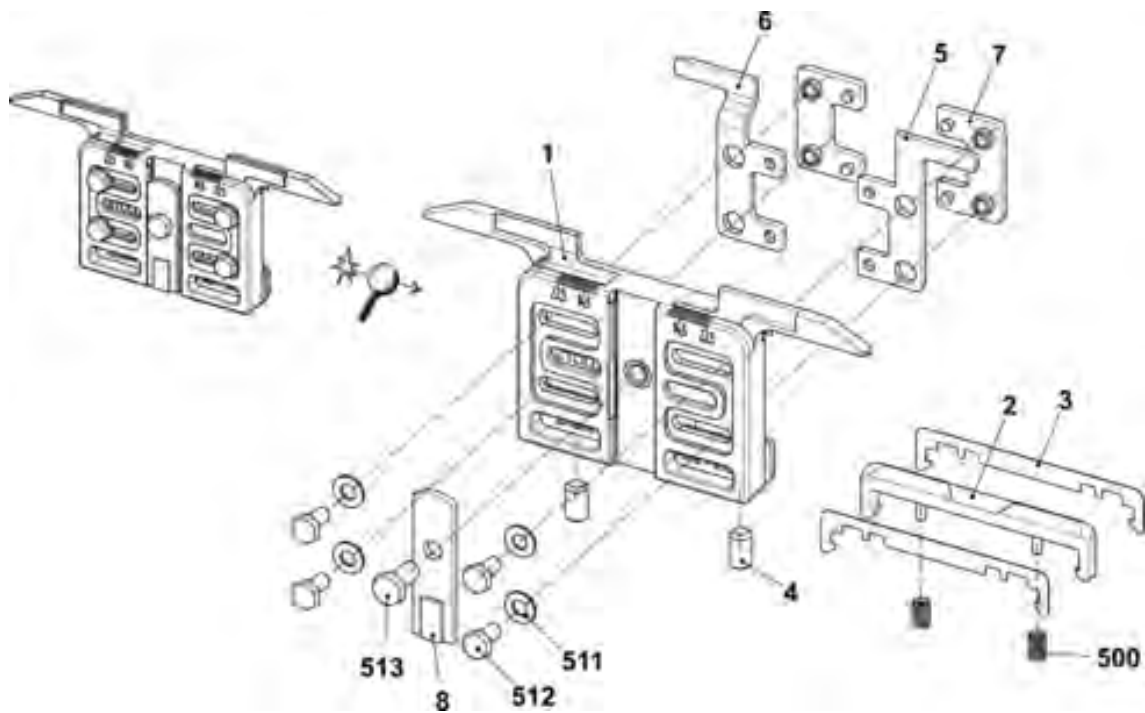
Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 4+5 complete				
	E5 (E3,5.2 E5.2)	252 781	6	Sliding piece	252 797
	E7-8 (E6.2)	252 783	7	Eyelet holder complete	252 815
	E10-14 (E7.2 E8.2)	252 785	8	Eyelet holder complete	252 816
	E16-18 (E9.2)	252 787	9	Distance bushing	252 796
1	Plating yarn carrier carriage	252 806	10	Shim 0,03x11x80	213 035
2	Sliding piece	212 583	11	Shim 0,03x11x80	216 143
3	Slider	252 798	12	Adjusting screw	253 436
4	Plating yarn carrier bow 4+5		500	Hexagon screw M4x5	243 779
	E5 (E3,5.2 E5.2)	252 790	501	Hexagon screw M4x10	020 346
	E7-8 (E6.2)	252 791	502	Hexagon screw	252 832
	E10-14 (E7.2 E8.2)	252 792	503	Set screw M4x16	254 196
	E16-18 (E9.2)	252 793	504	Compression spring	021 399
5	Plating yarn carrier bow 4+5 E5-8	252 799	505	Threaded bolt	213 399
	Plating yarn carrier bow 4+5 E10-18	252 807	506	Compression spring	253 058



16.3 Carriage of plating yarn carrier (adjustable)

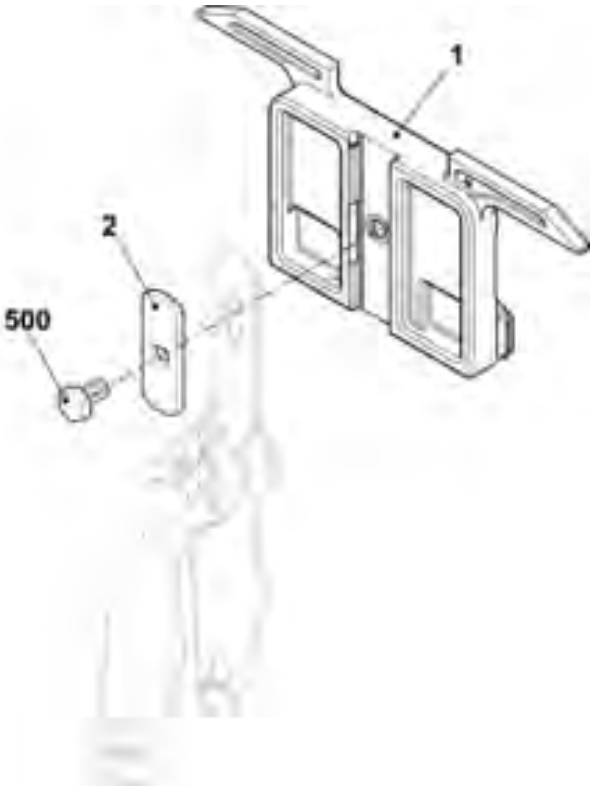
16.3 Carriage of plating yarn carrier (adjustable)

Pos	Designation	Ident No.	Pos	Designation	Ident No.
Σ	Plating yarn carrier carriage complete	251 867			
1	Carriage of yarn carrier	251 864	7	Guiding part	253 226
2	Sliding piece	212 583	8	Shim 0,03x11x80	213 035
3	Shim 0,03x11x80	216 143	500	Compression spring	021 399
4	Threaded bolt	213 399	511	U-washer 4	022 481
5	Insert on the right	251 866	512	Hexagon screw M4x8	022 461
6	Insert on the left	251 865	513	Hexagon screw M5x10	020 351



16.4 Carriage of plating yarn carrier (46 mm)

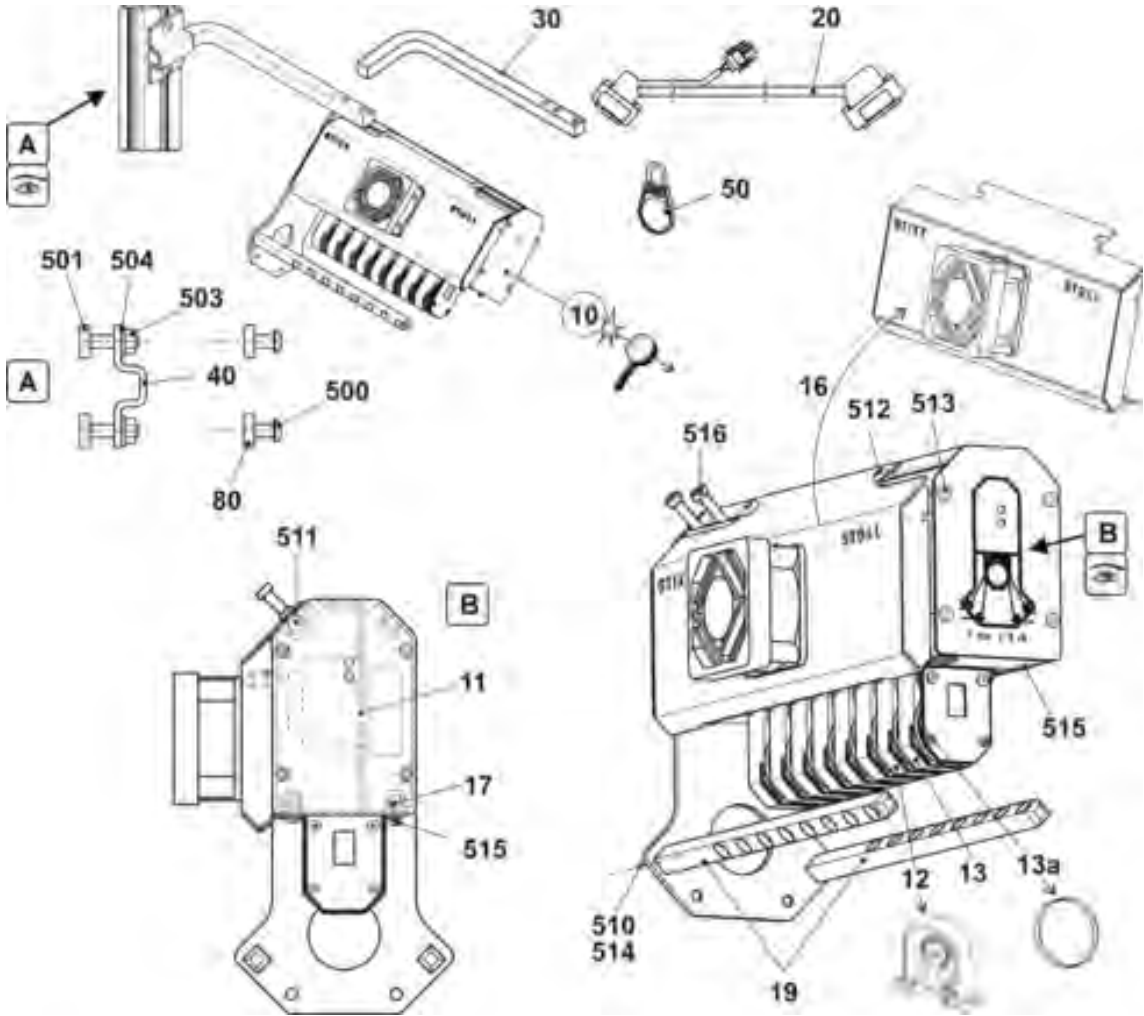
Pos	Designation	ID No.		Pos	Designation	ID No.
Σ	Plating yarn carrier E5-18	244 998		2	Shim	213 035
1	YC carriage MW46	244 253		500	Hexagon screw M5x10	020 351



16.5 Yarn length measuring device

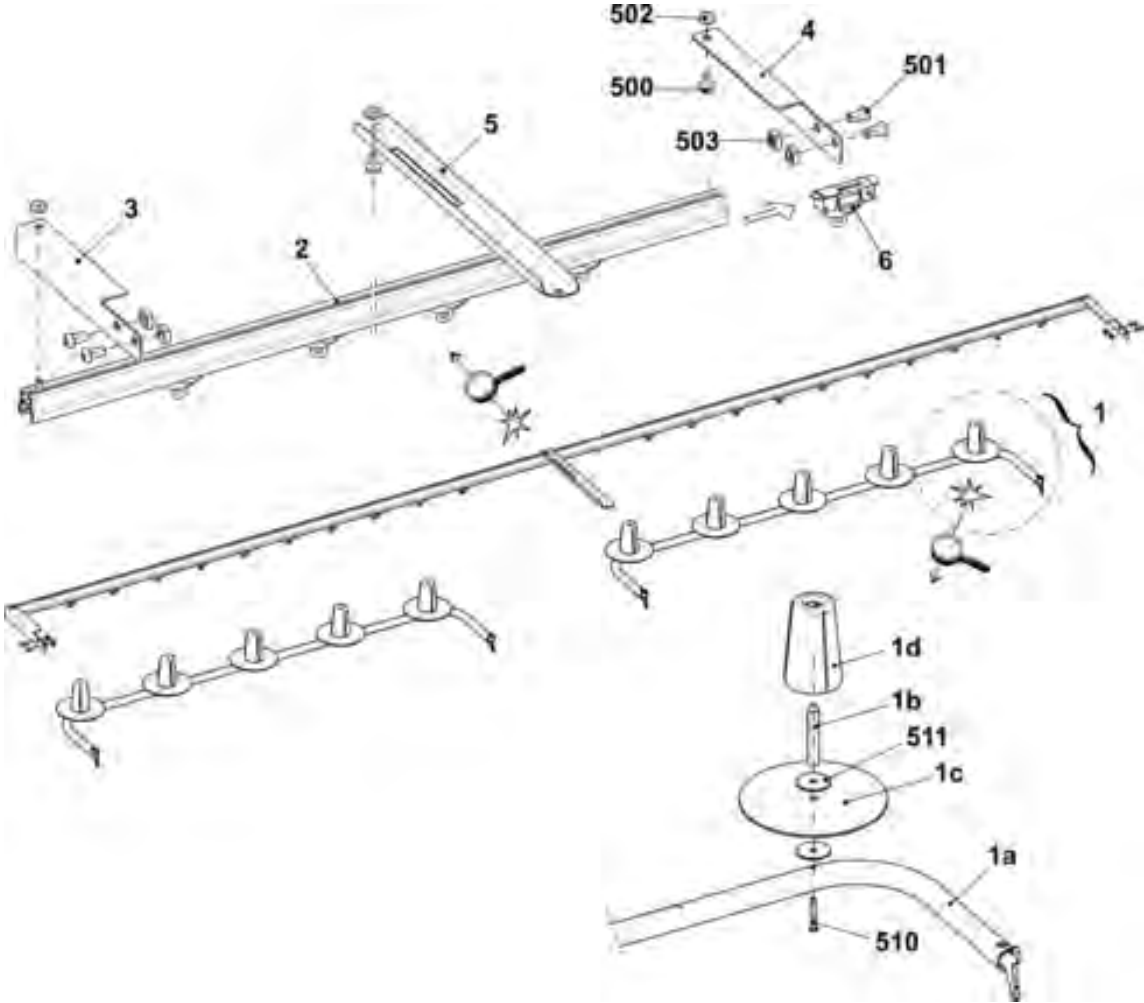
16.5 Yarn length measuring device

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn length measuring device complete	228 943	10	Yarn length measuring device 3	236 275
20	Cable length measuring device	236 718	11	Card FLM CPU	300 934
30	Support	223 029	12	Sensor	211 354
40	Clamp	228 583	13	Sensor complete	212 406
50	Adjustment weight	212 241	13a	Rubber running ring	258 582
80	Threaded strip	200 223	16	Fan complete	212 255
500	Countersunk screw M8x16	023 113	17	Threaded strip	211 801
501	Hammer head bolt M8x25	022 866	19	Yarn guide rod	211 352
503	Hexagon nut M4-6	020 838	510	Pan-head screw M5x10	023 247
504	U-washer 8,4	023 248	511	Spring nut M5	022 873
			512	Pan-head screw M5x6	023 246
			513	Sheet metal screw ST3.5x13	022 940
			514	Spring washer A5	022 454
			515	Oval head screw with washer M3x10	023 380
			516	Cap screw M5X22	023 193



16.6 Additional board retrofit kit

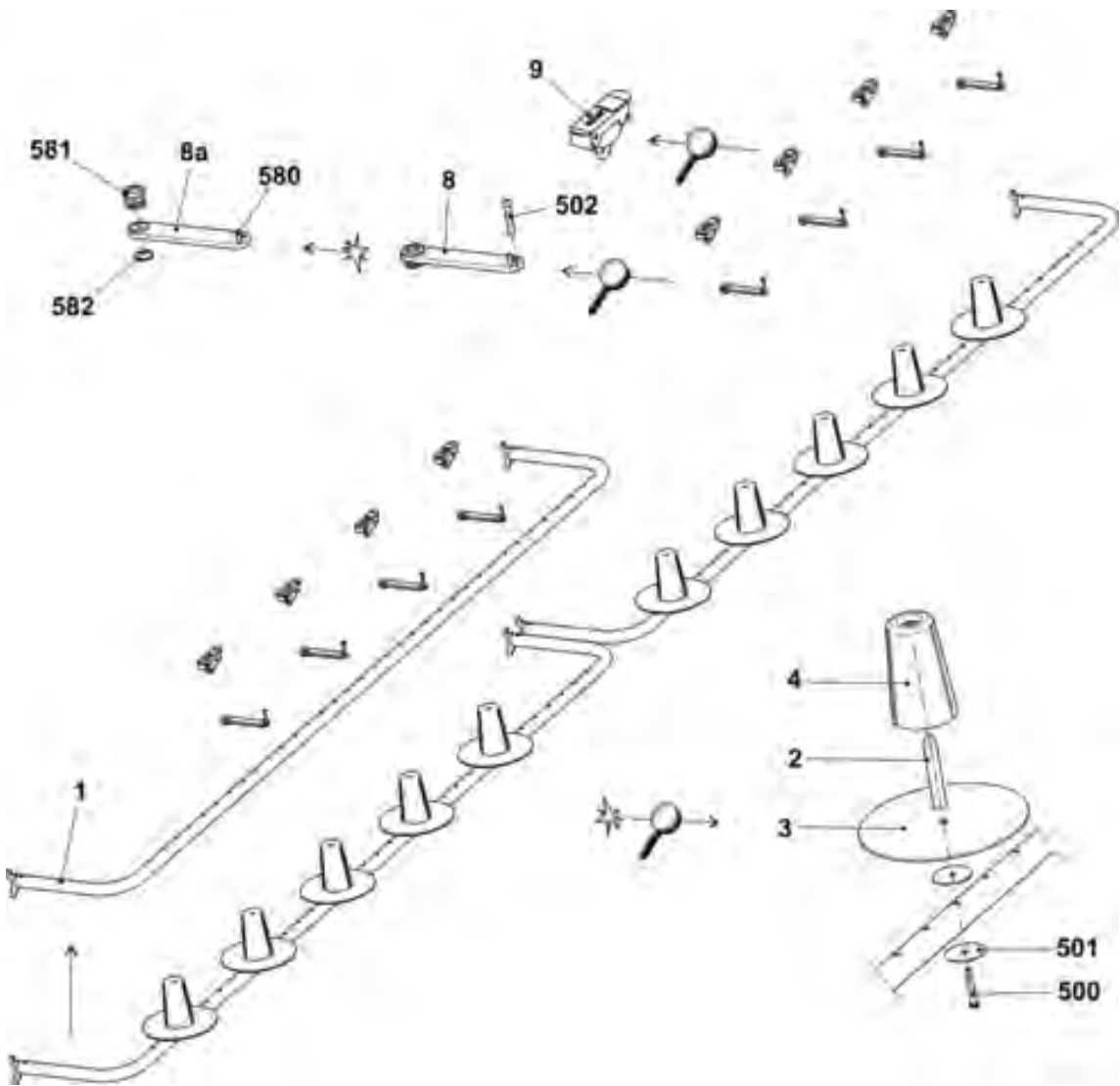
Pos	Designation		ID No.		Pos	Designation		ID No.
Σ	Additional board retrofit kit 7XX		243 777					
1	Additional board 7XX/8XX		241 928		3	Support on the left		243 602
	A1	Additional bobbin board welded	241 927		4	Support on the right		243 603
	1b	Positioning pin	202 777		5	Support		239 295
	1c	Disc D=130	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	Ribbed lock washer M6-10		023 414
2	Yarn guide bar 72"		228 596		503	Square nut M8		023 269



16.7 Additional board at the bottom

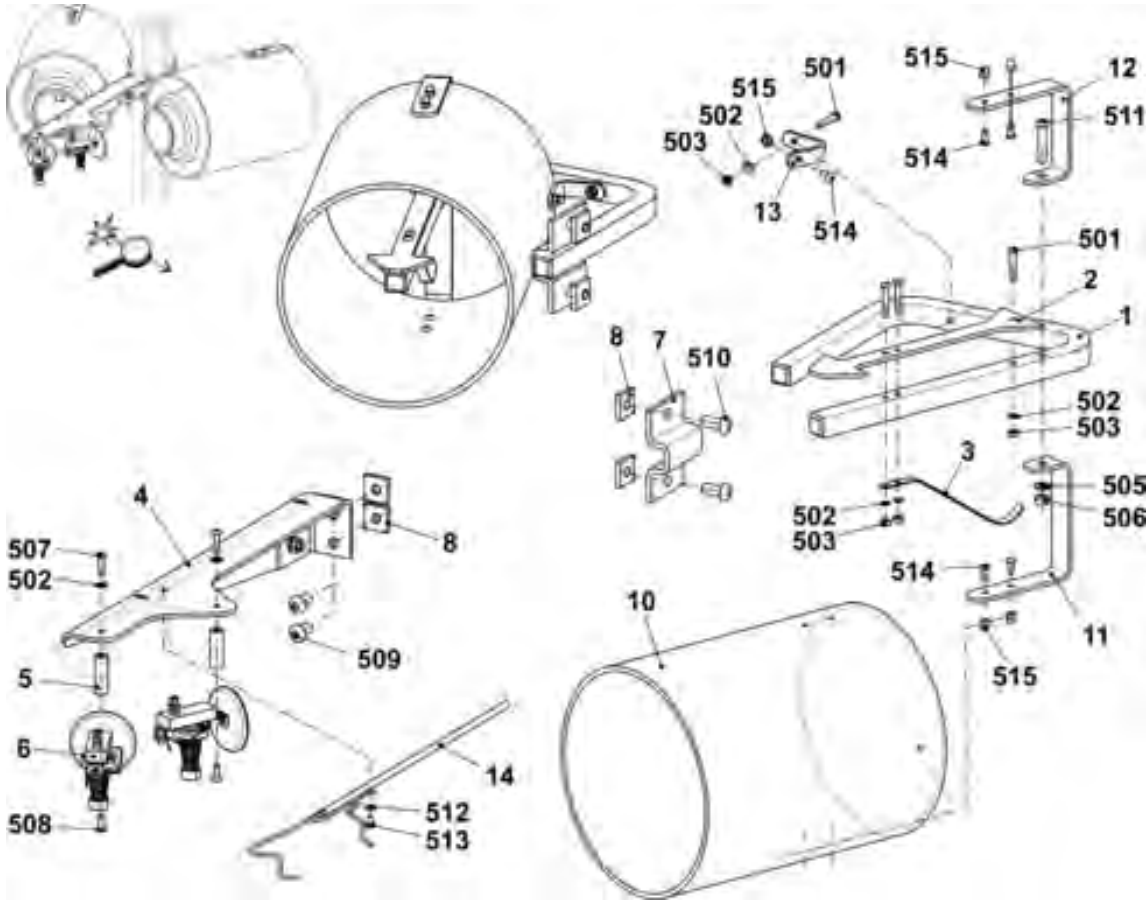
16.7 Additional board at the bottom

Pos	Designation	ID No.		Pos	Designation	ID No.	
Σ	Additional board 7XX at the bottom	253 645		502	Pan-head screw M4x25	023 511	
1	Additional bobbin board welded	253 470		8	Yarn guide		243 765
2	Positioning pin	202 777			A8	Guiding part	243 623
3	Disc D=130	062 385			580	Setting pin 3x12	020 647
4	Bobbin support	200 363			581	Eyelet 8	021 504
500	Pan-head screw M4x30	023 681			582	Snap ring A12	020 996
501	Washer 5.3x30x1.25	023 556					
				9	Yarn guide bracket complete		241 581



16.8 Bobbin holder on the left

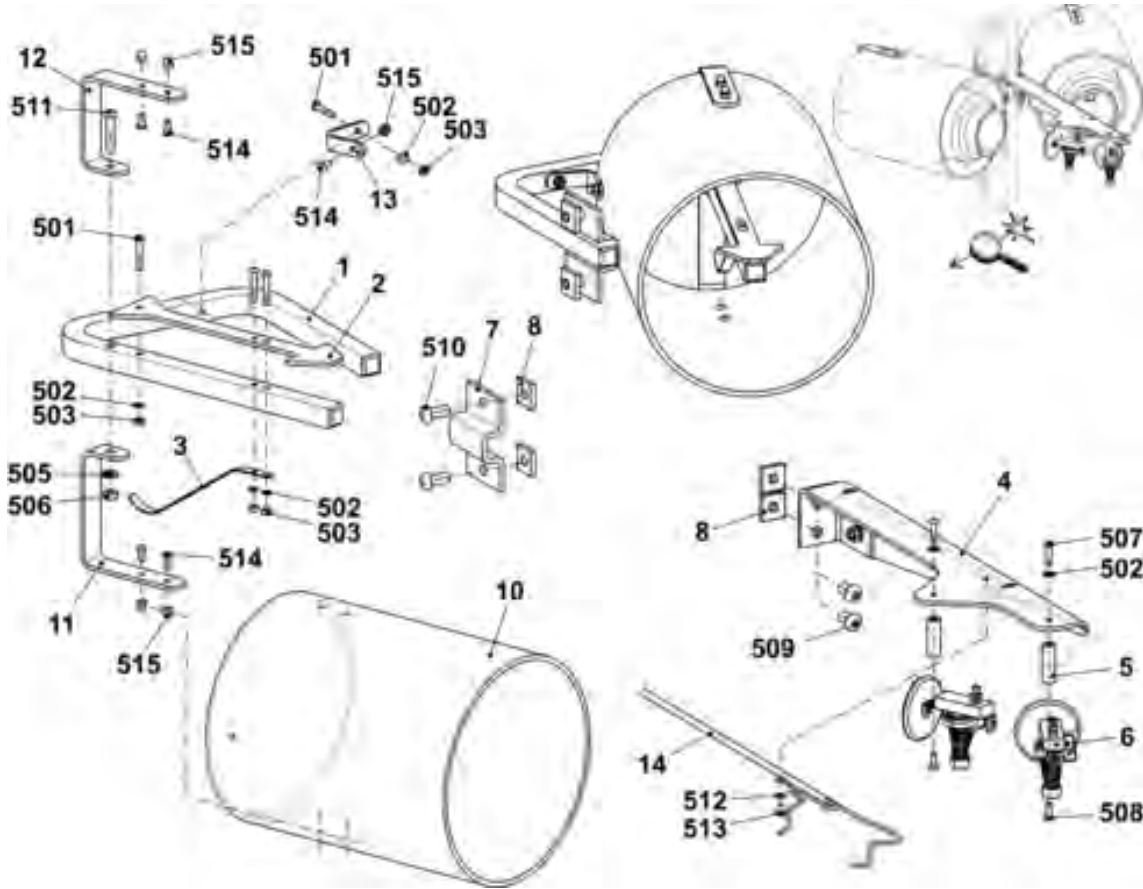
Pos	Designation	Id	Pos	Designation	Id
Σ	Bobbin holder on the left	253 965	501	Countersunk screw M4x25	023 511
1	Support	253 969	502	U-washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	U-washer 6	022 431
4	Support on the left	253 347	506	Hexagon nut M6-6	022 899
5	Spacer	253 349	507	Countersunk screw M4x16	023 412
6	Yarn detector	226 964	508	Countersunk screw M3x10	023 062
7	Clamp	228 583	509	Countersunk screw M8x16	023 113
8	Sliding block	228 851	510	Countersunk screw M8x18	251 331
10	Cover	253 968	511	Countersunk screw M6x30	023 451
11	Support angle	253 964	512	Serrated lock washer A4.3Serrated lock washer A4.3	022 482
12	Support angle	253 963	513	Countersunk screw M4x6	022 946
13	Support angle	253 967	514	Countersunk screw M4x10	023 450
14	Cable plating	253 468	515	Cap nut M4-6	253 805



16.9 Bobbin holder on the right

16.9 Bobbin holder on the right

Pos	Designation	Id		Pos	Designation	Id
Σ	Bobbin holder on the right	253 966		501	Countersunk screw M4x25	023 511
1	Support	253 969		502	U-washer 4	022 481
2	Support	252 769		503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350		505	U-washer 6	022 431
4	Support right	253 348		506	Hexagon nut M6-6	022 899
5	Spacer	253 349		507	Countersunk screw M4x16	023 412
6	Yarn detector	226 964		508	Countersunk screw M3x10	023 062
7	Clamp	228 583		509	Countersunk screw M8x16	023 113
8	Sliding block	228 851		510	Countersunk screw M8x18	251 331
10	Cover	253 968		511	Countersunk screw M6x30	023 451
11	Support angle	253 964		512	Serrated lock washer A4.3Serrated lock washer A4.3	022 482
12	Support angle	253 963		513	Countersunk screw M4x6	022 946
13	Support angle	253 967		514	Countersunk screw M4x10	023 450
14	Cable plating	253 468		515	Cap nut M4-6	253 805



16.10 Feed wheel PRIMO

Pos	Designation		Id		Pos	Designation		Id
Σ	Assembly kit feed wheel PRIMO 2x3		255 702					
1	Transfo PRIMO with cable		255 589					
2	Assembly kit PRIMO without transformer		255 590					
	2a	Feed wheel PRIMO	245 261					

