

Spare-parts catalog

CMS 933 (Type 771)

Component type 000

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

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1 Introduction

Imprint

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

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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.

Order form

Telefon +49 (7121) 313-289
Telefax +49 (7121) 313-347
e-mail: spareparts@stoll.com

H. Stoll GmbH & Co. KG
PO box 2544

D-72715 Reutlingen

Order number:

Request date

Company

Начало

SCIENTIA

Plasma cocultured Insect

Findings

F20

Customer: No

Sleeping mode

Date of order

Machine type

L-50434

Maximum no.

Simo et al.

Spare parts order

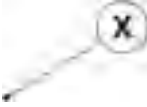
[illegible]

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.

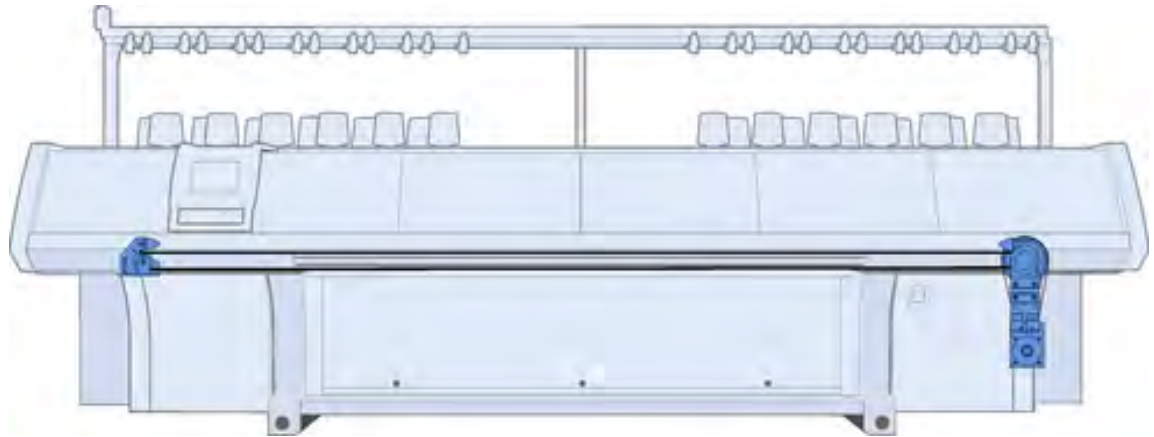
1.3 Torques

Drehmomente Torques Couples Coppie 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

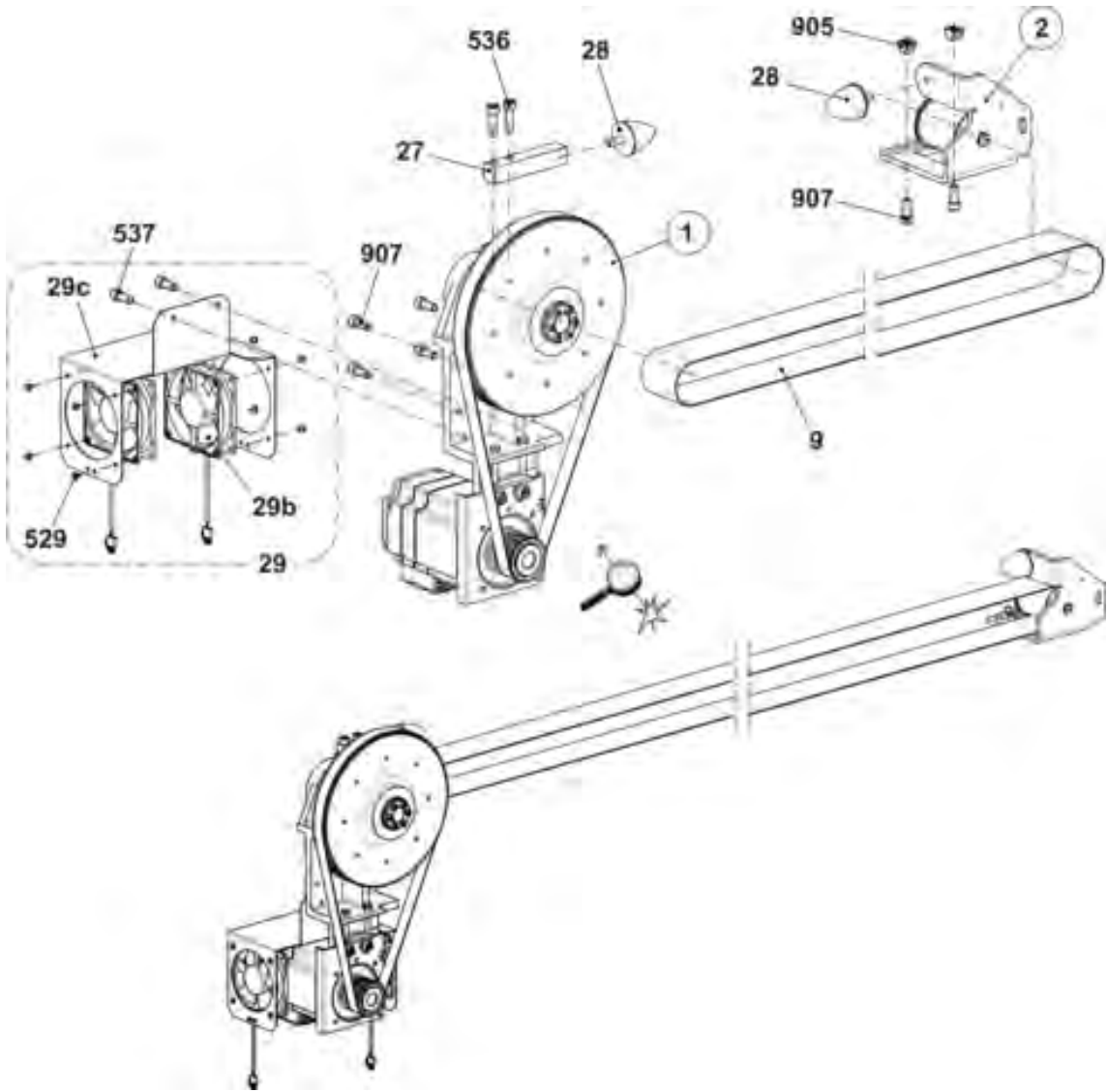
- Torques are valid for:
Connection steel-steel, black, phosphatized, galvanized, rolled or cut thread as well as only for plain (head) supports.
- Torques are valid for:
protected screws with: lock washers, rib heads, coated and clamping screws and nuts. They are also not used for self-grooving threads.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

2 Carriage drive



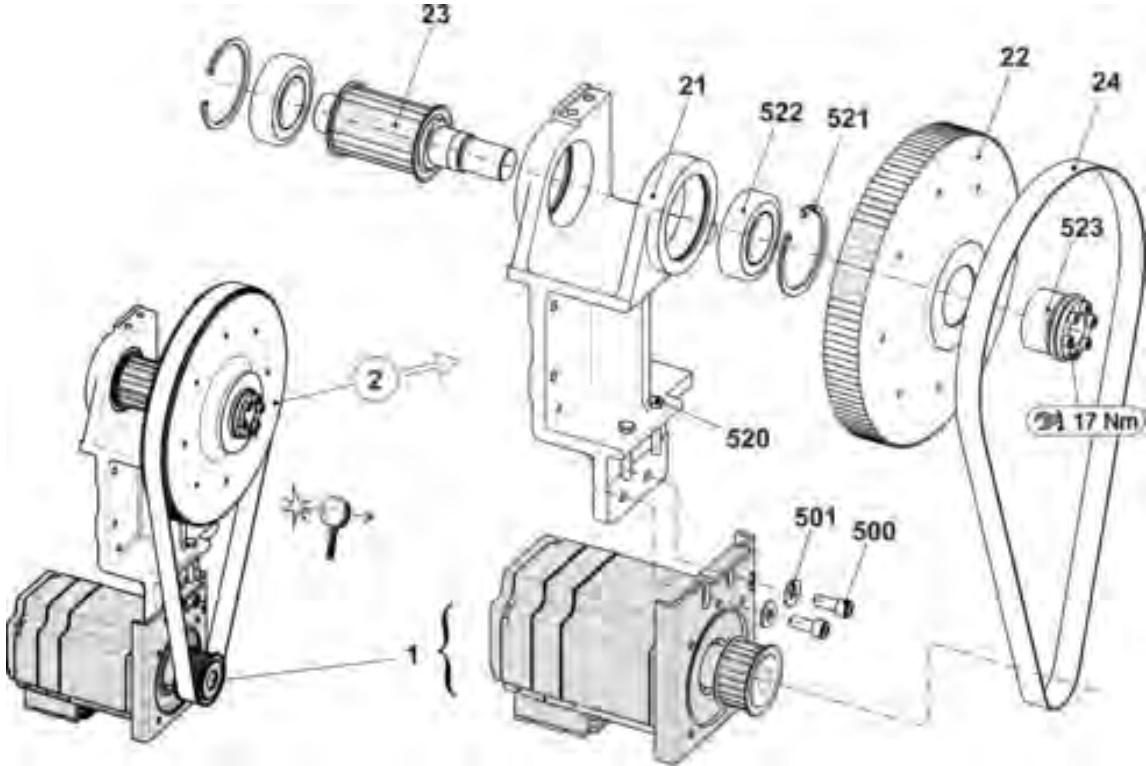
2.1 Drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Drive				
1	Drive unit complete	242 380	29	Ventilator complete	245 167
2	Tension bearing complete	253 614	29a	Ventilator plate drive motor	245 037
9	Toothed belt 75AT10/8830	253 886	29b	Ventilator complete	213 722
27	Support buffer	242 748	29c	Ventilator plate drive motor	245 037
28	Parabolic spring	200 661	529	Screw 5x8	
536	Cap screw M10X35	020 159	905	Slide nut M10x2	023 471
537	Cap screw M8x12	023 138	907	Cap screw M10X25	020 157



2.1.1 Drive unit

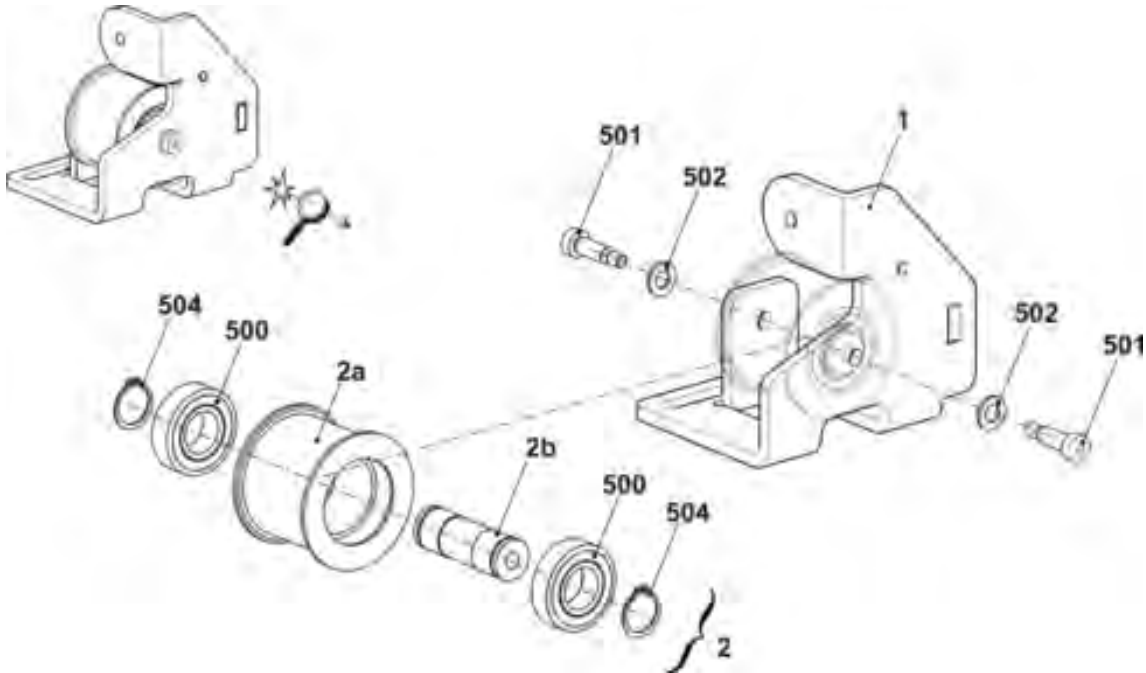
Pos	Designation	Id		Pos	Designation	Id
Σ	Drive unit complete	242 380				
1	Drive unit	258 190		520	Hexagon screw M8x50	020 364
2	Drive bearing	242 378		521	Locking ring 80x2.5	023 461
	21	Housing drive bearing		522	Grooved ball bearing 6307-2RS	023 462
	22	Timing belt pulley 115 S8M 250		523	Tension set 30X55	023 208
	23	Pinion AT10 Z=20		500	Cap screw M10X25	020 157
	24	Toothed belt 250 HP-S8M 1312		501	Disc 10.5X25X2.5	022 178



2.1 Drive

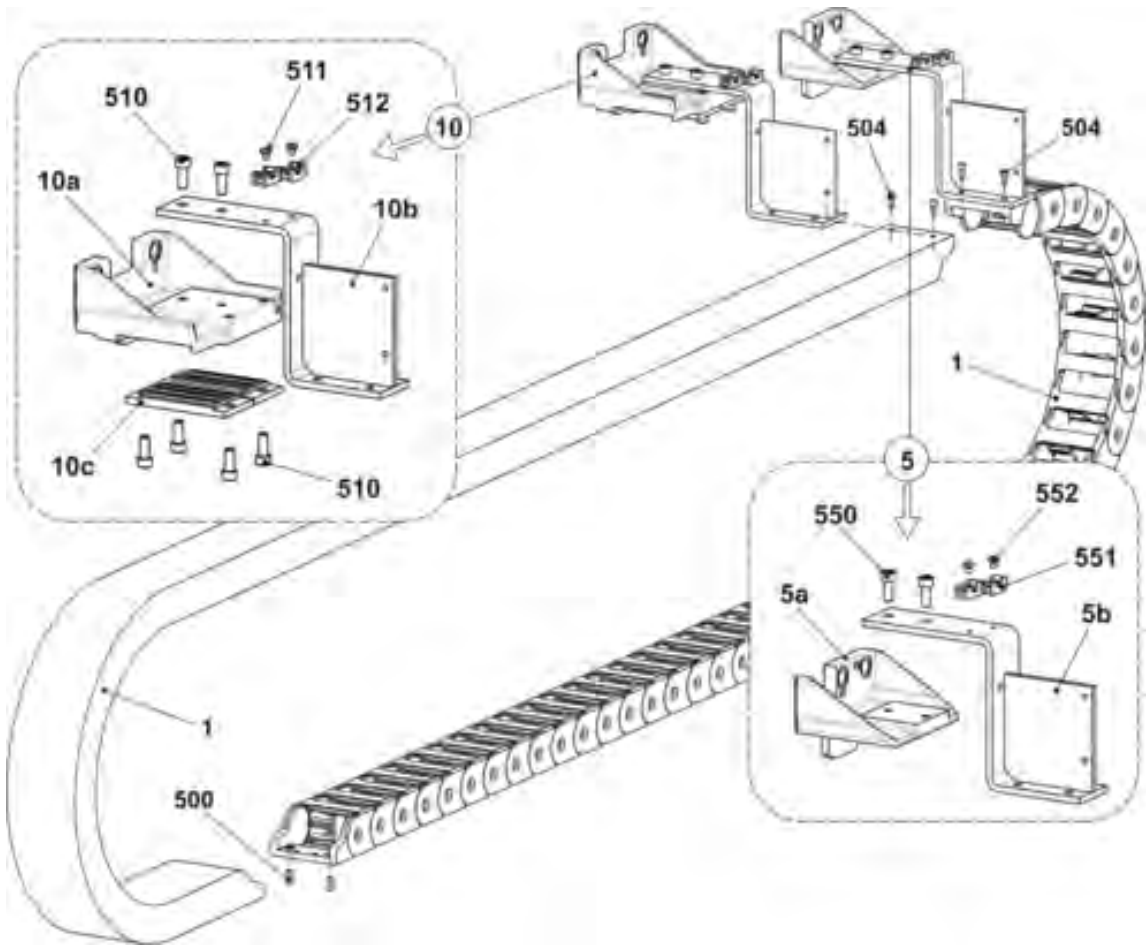
2.1.2 Tension bearing

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



2.2 Energy chain and plunger

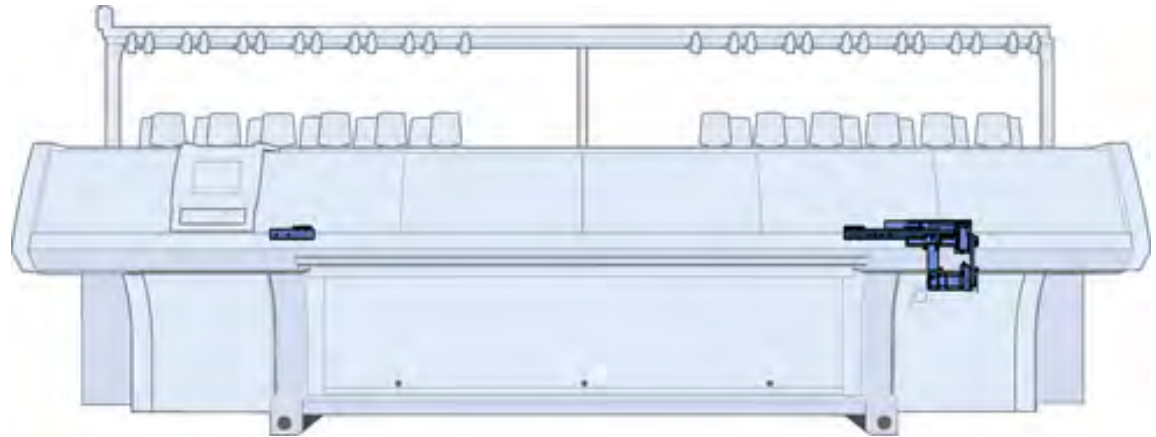
Pos	Designation	Id	Pos	Designation	Id
1	Energy chain 45 links	220 389	10	Carriage driver complete	242 743
500	Cap screw M6X8	023 411	10a	Carriage driver	242 738
5	Stop point complete	242 774	10b	Cable driver	242 730
5a	Stop point	242 753	10c	Clamping plate	232 493
5b	Cable driver	242 730	510	Cap screw M8x20	020 141
550	Cap screw M8x20	020 141	511	Countersunk screw M5x6	023 284
551	Fixing element	026 489	512	Fixing element	026 489
552	Countersunk screw M5x6	023 284	504	Cap screw M6X12	020 134



2.2 Energy chain and plunger

Notes:

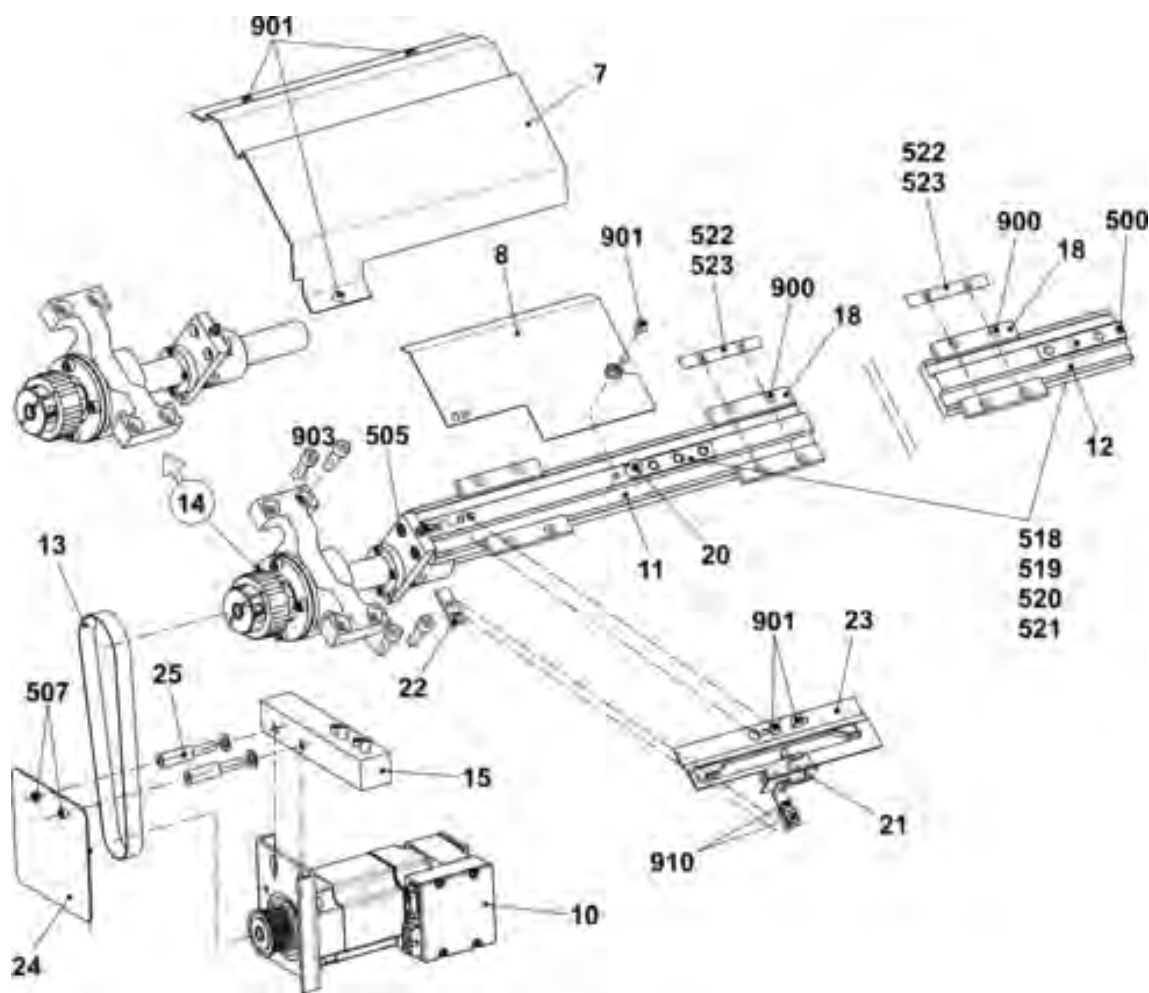
3 Racking



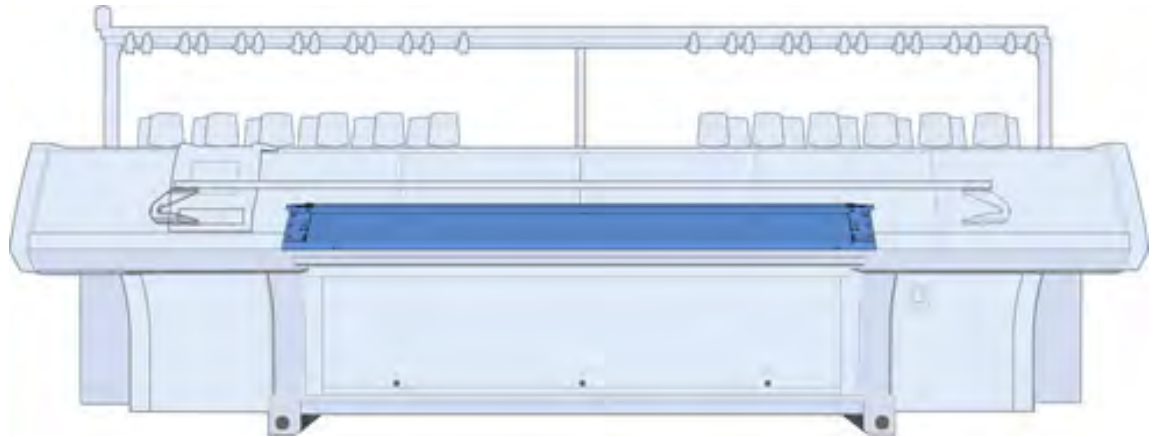
3.1 Racking drive

3.1 Racking drive

Pos	Designation	Id		Pos	Designation	Id
Σ	Racking			25	Distance bolt	232 543
7	Racking cover plate	242 314		500	Cap screw M4x4	022 767
8	Racking cover plate movable	242 312		505	Cap screw M6X16	023 116
10	Three-phase A.C. servo motor racking complete	258 192		507	Cap screw M5x12	020 132
11	Racking strip	242 311		518	Shim 0,03x15x85	023 162
12	Racking strip on the left	211 022		519	Shim 0,05x15x85	023 163
13	Toothed belt 150 S 5M 490	229 281		520	Shim 0,1x15x85	023 164
14	Spindle bearing	253 262		521	Shim 0,2x15x85	023 170
15	Bearing	227 604		522	Shim 0,03x11x80	023 286
18	Guide strip	206 382		523	Shim 0,05x11x80	023 287
20	Stop screw	218 783		530	Countersunk screw M6x10	023 183
21	Card racking limit switch	229 396		900	Cap screw M6x12	022 795
22	Shim 0,03x11x80	229 715		901	Countersunk screw M6x10	023 183
23	Switch plate	240 722		903	Cap screw M8x25	020 142
24	Cover plate	232 544		910	Countersunk screw M6x16	023 124



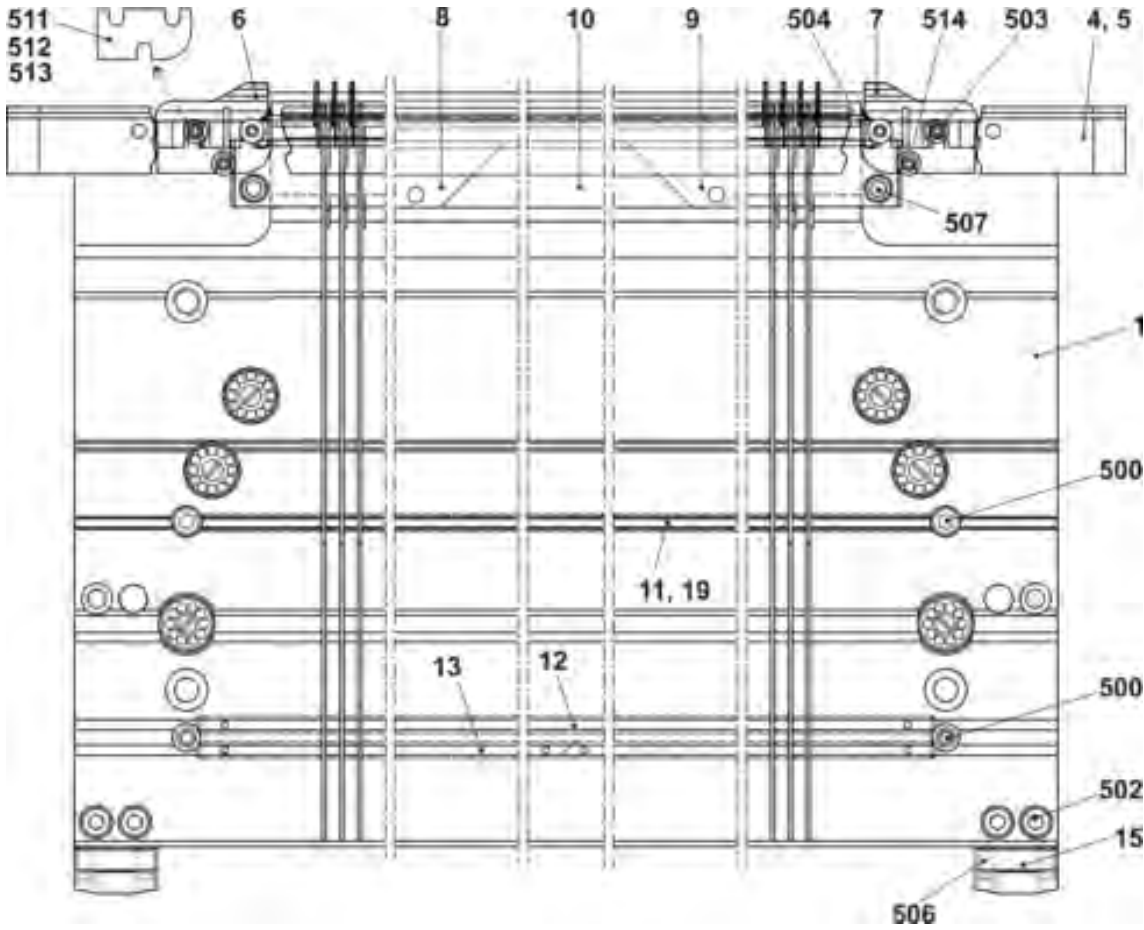
4 Needle beds



4.1 Needle bed E10

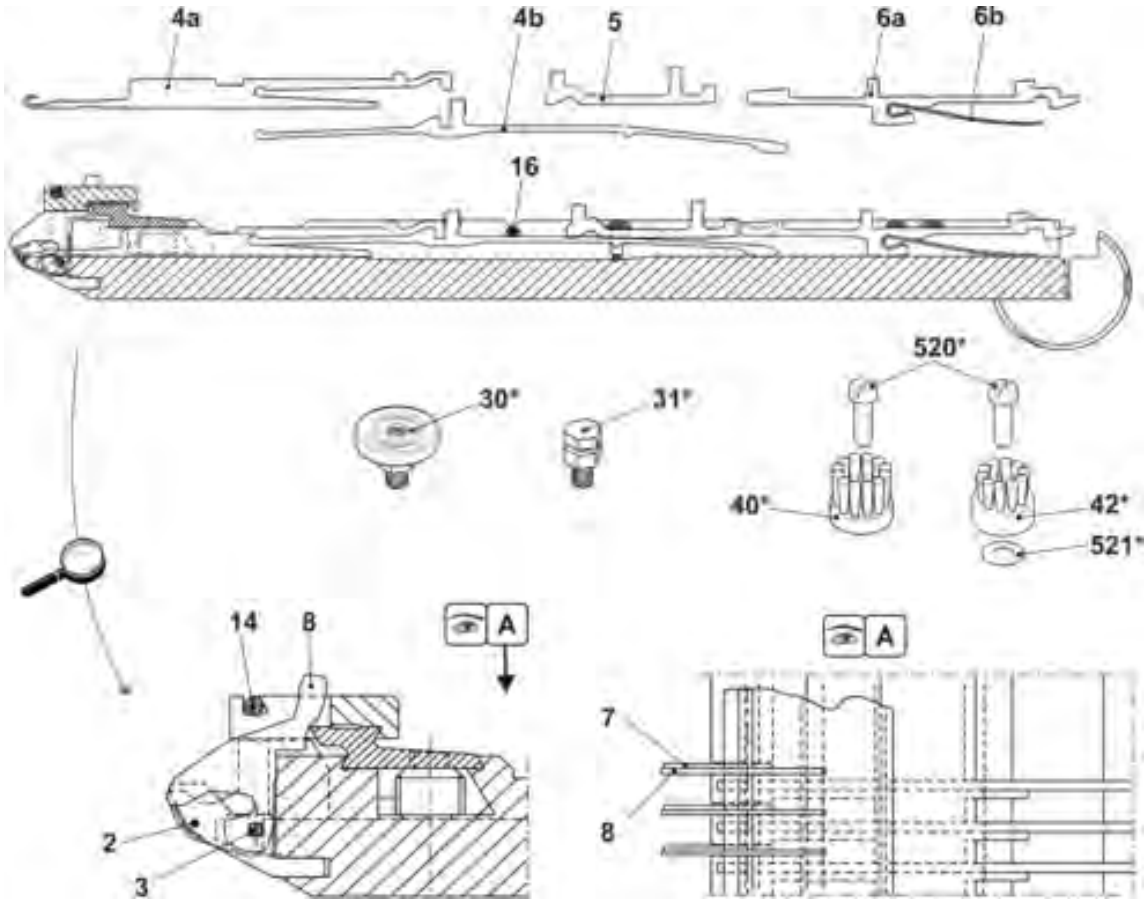
4.1 Needle bed E10

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E10	256 586		15	Support	206 352
1	Needle bed at the front and rear E10	256 531		19	Cover rail at the rear	210 979
4	Needle bed at the front and rear E10	211 041		500	Cap screw M5X10	022 918
5	Holding-down jack bed at the rear E10	211 048		502	Cap screw M6X25	020 137
6	Limiter on the left E10-E14	205 764		503	Cap screw M5x8-8.8	023 154
7	Limiter on the right E4-E8	205 765		504	Cap screw M5X22	023 193
8	Needle rail on the left	205 311		506	Setscrew M6x12-45	022 400
9	Needle rail on the right	205 312		507	Sprung thrust piece B-M10	023 177
10	Needle bar	210 977		511	Shim 0.05x18.5x34	023 196
11	Cover rail at the front E10	210 985		512	Shim 0.1x18.5x34	023 197
12	Cover rail	210 978		513	Shim 0.2x18.5x34	023 253
13	Cover rail	210 980		514	Cap screw M5x8	023 379



4.1.1 Continuation needle bed E10

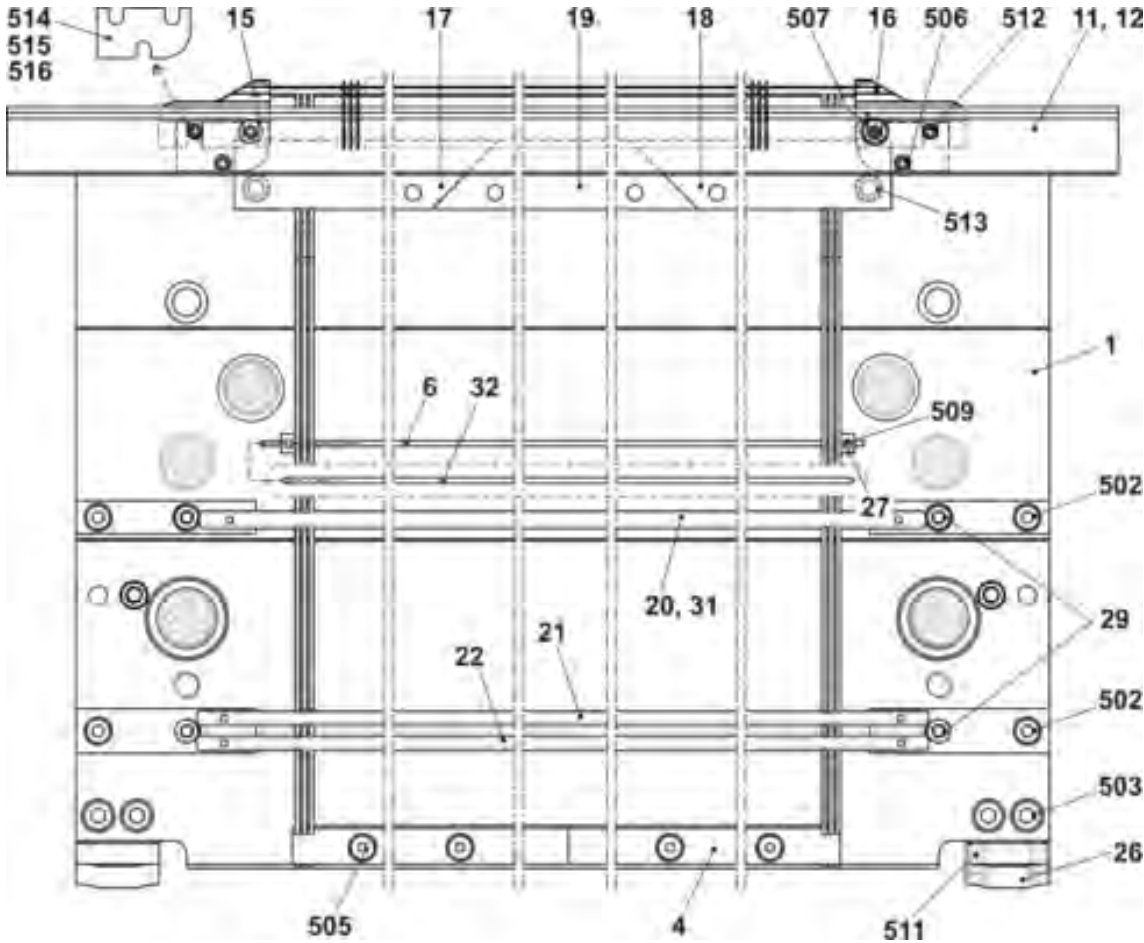
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E10	256 586		8	Holding-down jack (trick wall) E10	239 815
2	Spring steel wire ø0.6	210 969		14	Fixed wire Ø2.8	210 974
3	Spring steel wire ø 2.0	210 972		16	Spring steel wire ø2.8	212 173
4a	Needle E10 with round hook	205 398		30*	Adjusting piece	206 375
4b	Coupling part E10-12	253 382		31*	Set screw complete	207 712
5	Intermediate slider with brake E10	255 535		40*	Disk brush	235 612
6a	Selection jack E10-12	200 688		42*	Disk brush	202 600
6b	Selector spring E10-12	200 691		520*	Cap screw M5x12	020 032
7	Knock-over bit E10	239 756		521*	Adjusting washer P6x12x03	023 540



4.2 Needle bed E12

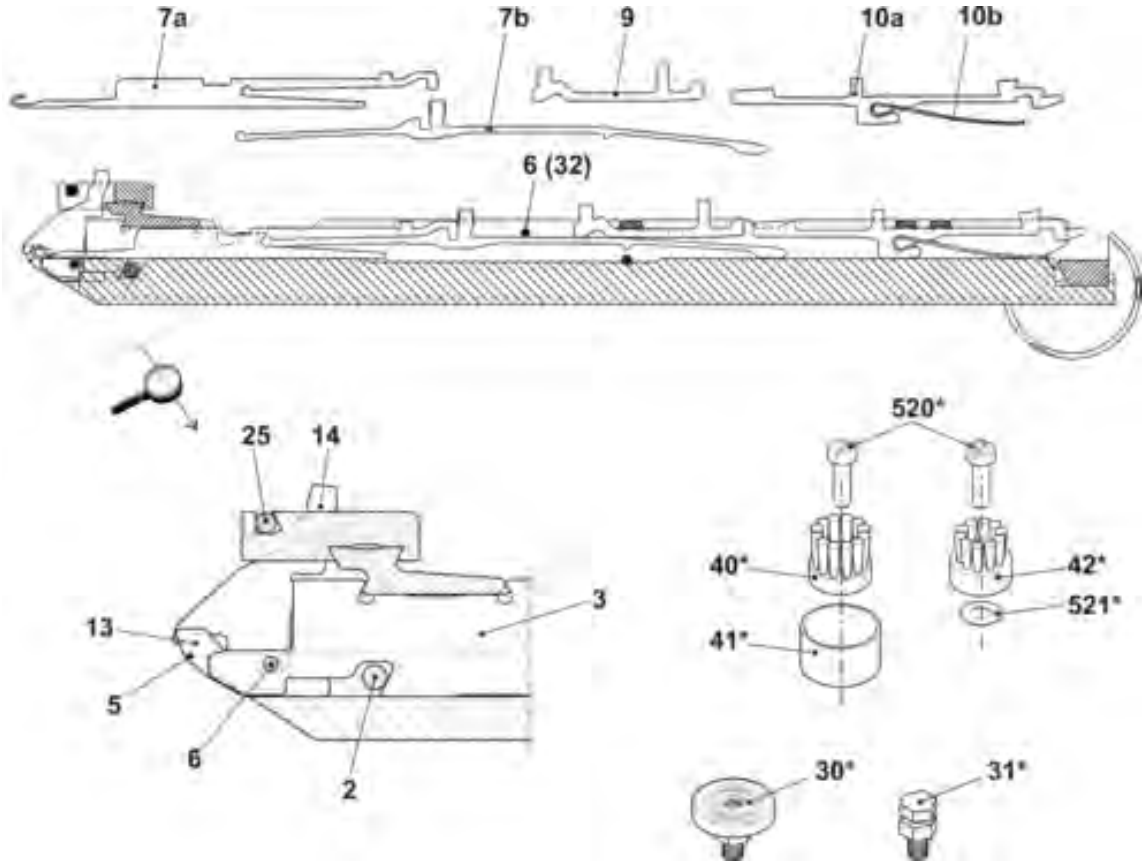
4.2 Needle bed E12

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E12	255 784				
1	Needle bed at the front and rear E12	255 796		29	Cap screw 5x12	209 484
4	Pressure bar	211 009		31	Cover rail at the rear	210 979
6	Spring steel wire ø 2.0	251 095		32	Spring steel wire ø 2.0	210 973
11	Holding-down jack bed at the front E12	211 042		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E12	211 049		503	Cap screw M6X14	022 658
15	Limiters on the left E10-E14	205 764		505	Cap screw M5x8	023 379
16	Limiters on the right E4-E8	205 765		506	Cap screw M5x12-8.8	022 943
17	Needle rail on the left	205 311		507	Cap screw M5X22	023 193
18	Needle rail on the right	205 312		509	Set screw ISO 4766-M3.5x3-1	020 512
19	Needle bar	210 977		511	Set screw ISO 4026-M6x12-45	022 400
20	Cover rail at the front E12	210 986		512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978		513	Sprung thrust piece B-M10	023 177
22	Cover rail	210 980		514	Shim 0.05x18.5x34	023 196
26	Support	206 352		515	Shim 0.1x18.5x34	023 197
27	Bush	206 090		516	Shim 0.2x18.5x34	023 253



4.2.1 Continuation needle bed E12

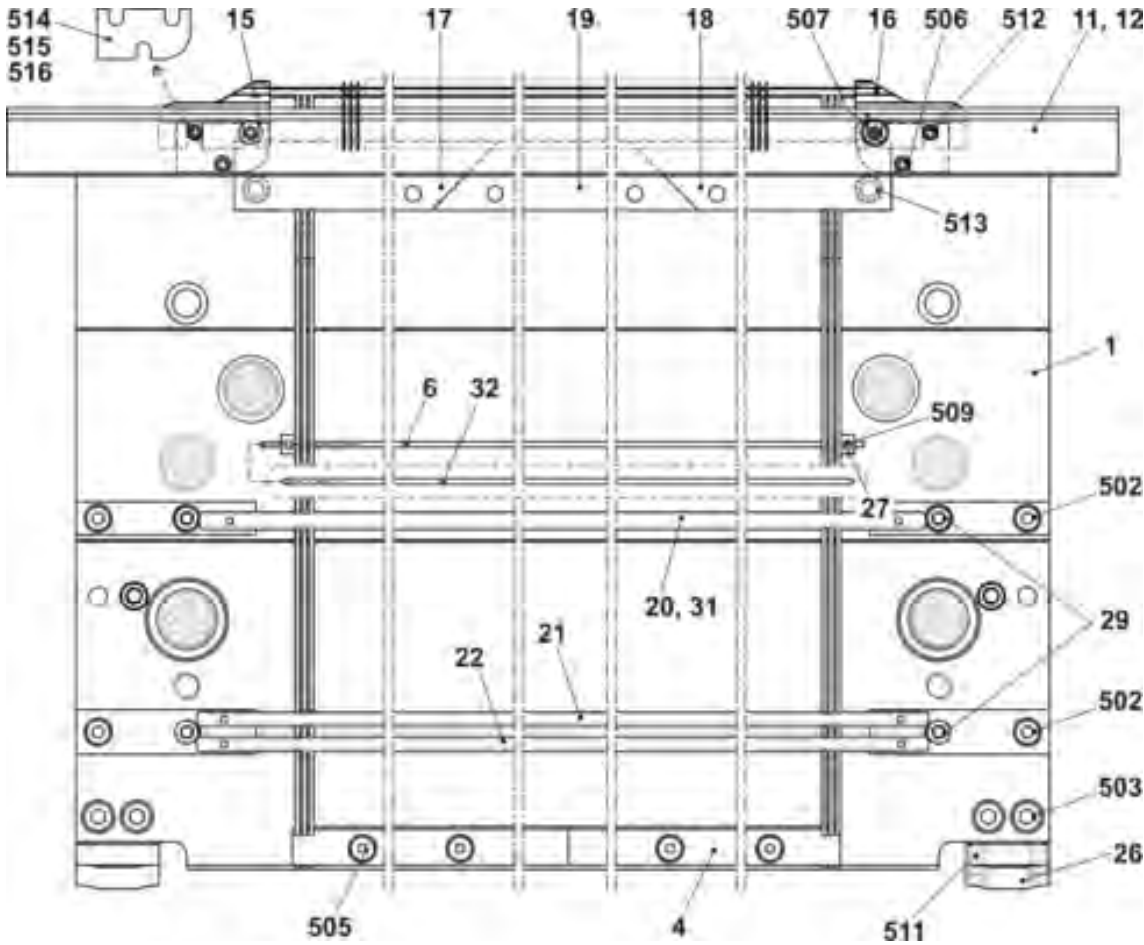
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E12	255 784				
2	Fixed wire ø3.4	210 975		14	Holding-down jack trick wall E12	227 821
3	Main trick wall E12	252 628		25	Fixed wire Ø2.8	210 974
5	Spring steel wire ø0.6	210 969		32	Spring steel wire ø 2.0	210 973
6	Spring steel wire ø 2.0	251 095		30*	Adjusting piece	206 375
7a	Needle E12	204 009		31*	Set screw complete	207 712
7b	Coupling part E10-12	253 382		40*	Disk brush	235 612
9	Intermediate slider with brake E5-E8	255 535		41*	Container disk brush	233 012
10a	Selection jack E10-12	200 688		42*	Disk brush	202 600
10b	Selector spring E10-12	200 691		520*	Cap screw M5x12	020 032
13	Knock-over bit E12	205 013		521*	Adjusting washer P6x12x03	023 540



4.3 Needle bed E14

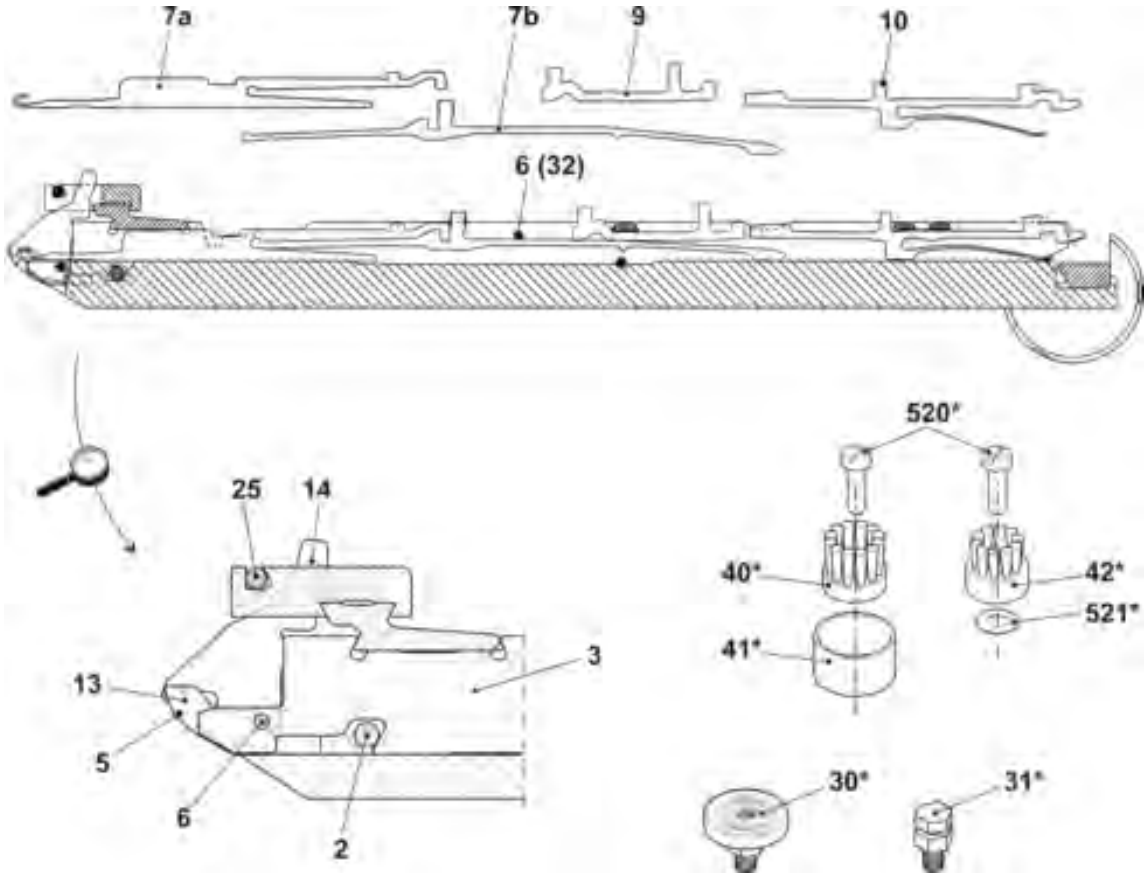
4.3 Needle bed E14

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E14	256 587				
1	Needle bed at the front and rear E14	255 797		29	Cap screw 5x12	209 484
4	Pressure bar	211 009		31	Cover rail at the rear	210 979
6	Spring steel wire ø 2.0	251 095		32	Spring steel wire ø 2.0	210 973
11	Holding-down jack bed at the front E14	211 043		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E14	211 050		503	Cap screw M6X14	022 658
15	Limiters on the left E10-E14	205 764		505	Cap screw M5x8	023 379
16	Limiters on the right E4-E8	205 765		506	Cap screw M5x12-8.8	022 943
17	Needle rail on the left	205 311		507	Cap screw M5X22	023 193
18	Needle rail on the right	205 312		509	Set screw M3,5x3-1	020 512
19	Needle bar	210 977		511	Set screw I6x12-45	022 400
20	Cover rail at the front E14	210 987		512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978		513	Sprung thrust piece B-M10	023 177
22	Cover rail	210 980		514	Shim 0.05x18.5x34	023 196
26	Support	206 352		515	Shim 0.1x18.5x34	023 197
27	Bush	206 090		516	Shim 0.2x18.5x34	023 253



4.3.1 Continuation needle bed E14

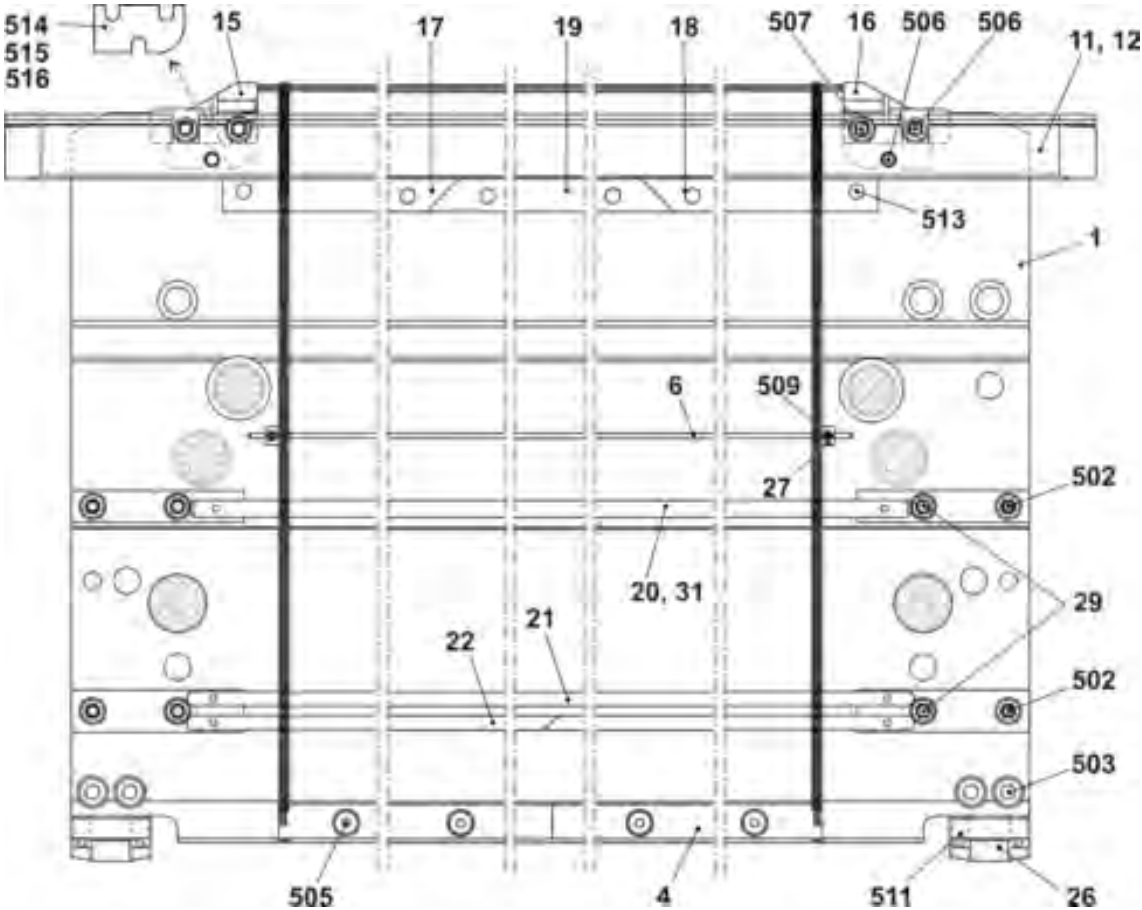
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear	256 587				
2	Fixed wire ø3.4	210 975		25	Fixed wire Ø2.8	210 974
3	Main trick wall E14	252 629		32	Spring steel wire ø 2.0	210 973
5	Spring steel wire ø0.6	210 969		30*	Adjusting piece	206 375
7a	Needle E12	209 614		31*	Set screw complete	207 712
7b	Coupling part E14	253 383		40*	Disk brush	235 612
9	Intermediate slider with brake E14	255 536		41*	Container disk brush	233 012
10	Selection jack with spring E14	224 725		42*	Disk brush	202 600
13	Knock-over bit E12	209 649		520*	Cap screw M5x12	020 032
14	Holding-down jack trick wall E14	235 262		521*	Adjusting washer P6x12x03	023 540



4.4 Needle bed E16

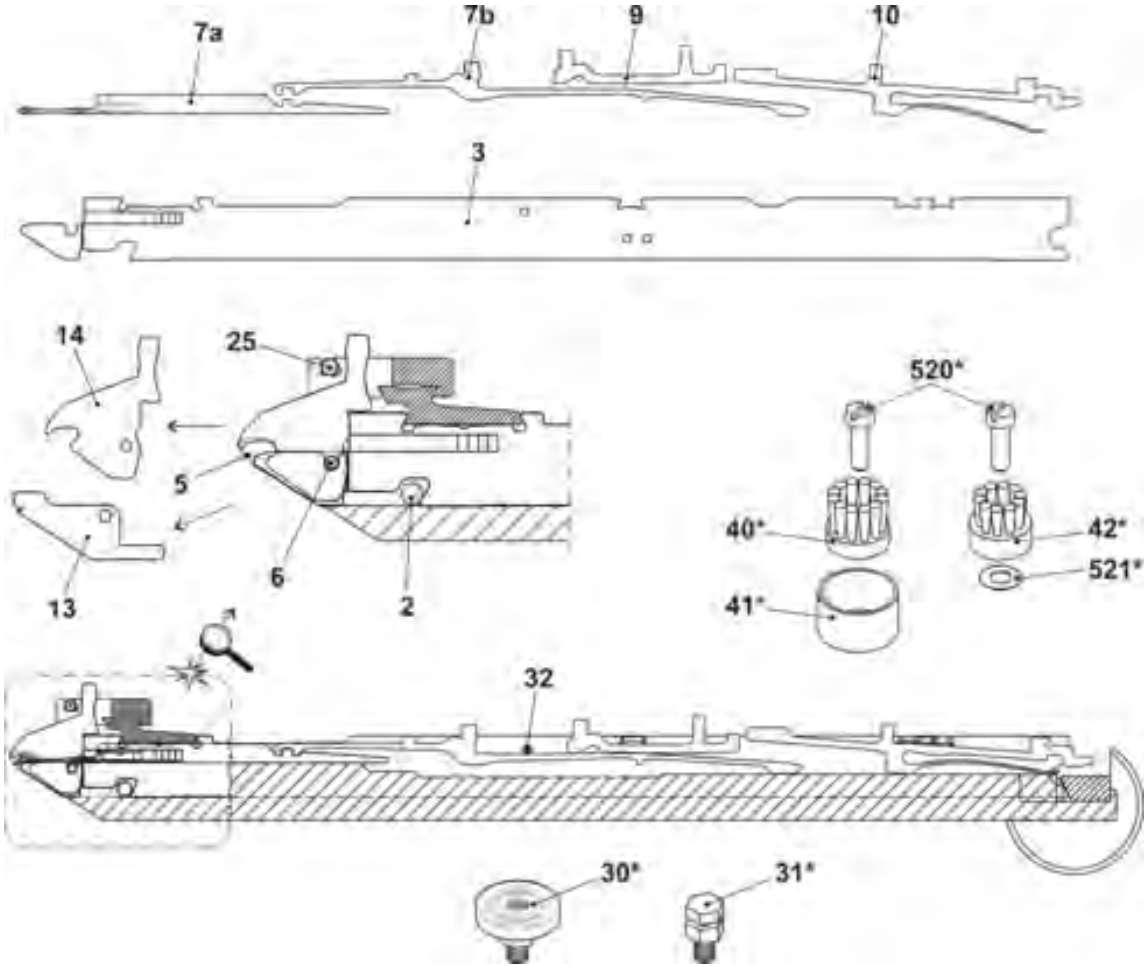
4.4 Needle bed E16

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E16	256 588				
1	Needle bed at the front and rear E16	256 581		27	Bush	206 090
4	Pressure bar	211 009		29	Cap screw 5x12	209 484
6	Spring steel wire ø 2.0	251 095		31	Cover rail at the rear	210 979
11	Holding-down jack bed at the front E16	244 566		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E16	244 568		503	Cap screw M6X14	022 658
15	Limiters on the left E16-E20	220 821		505	Cap screw M5x8	023 379
16	Limiters on the right E16-E20	220 822		506	Cap screw M5x12	022 943
17	Needle rail on the left	205 311		507	Cap screw M5X22	023 193
18	Needle rail on the right	205 312		509	Setscrew M3.5x3	020 512
19	Needle bar	210 977		511	Setscrew M6x12	022 400
20	Cover rail at the front E16	244 597		513	Sprung thrust piece B-M10	023 177
21	Cover rail	210 978		514	Shim 0.05x18.5x34	023 196
22	Cover rail	210 980		515	Shim 0.1x18.5x34	023 197
26	Support	206 352		516	Shim 0.2x18.5x34	023 253



4.4.1 Continuation needle bed E16

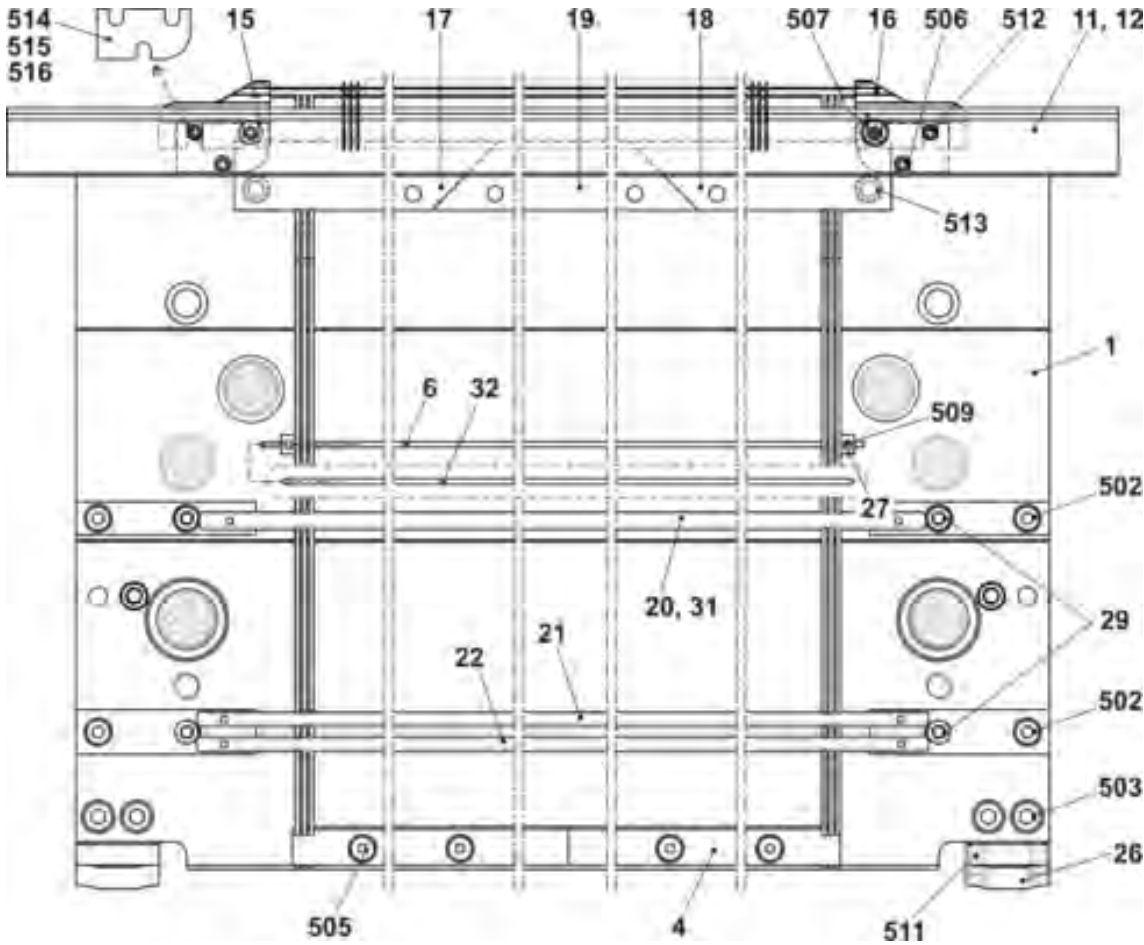
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E16	256 588				
2	Fixed wire ø3.4	210 975		25	Fixed wire Ø2.8 E16-18	244 587
3	Main trick wall E16	245 319		32	Spring steel wire ø 2.0	210 973
5	Spring steel wire ø0.5	244 585		30*	Adjusting piece	206 375
7a	Needle E16	232 243		31*	Set screw complete	207 712
7b	Coupling part E16-18	253 384		40*	Disk brush	235 612
9	Intermediate slider with brake E16-18	255 537		41*	Container disk brush	233 012
10	Selection jack with spring E16	224 326		42*	Plate brush ø12	202 600
13	Knock-over bit E16	222 503		520*	Cap screw M5x12	020 032
14	Holding-down jack E16	222 504		521*	Adjusting washer P6x12x0.3	023 540



4.5 Needle bed E12m.10

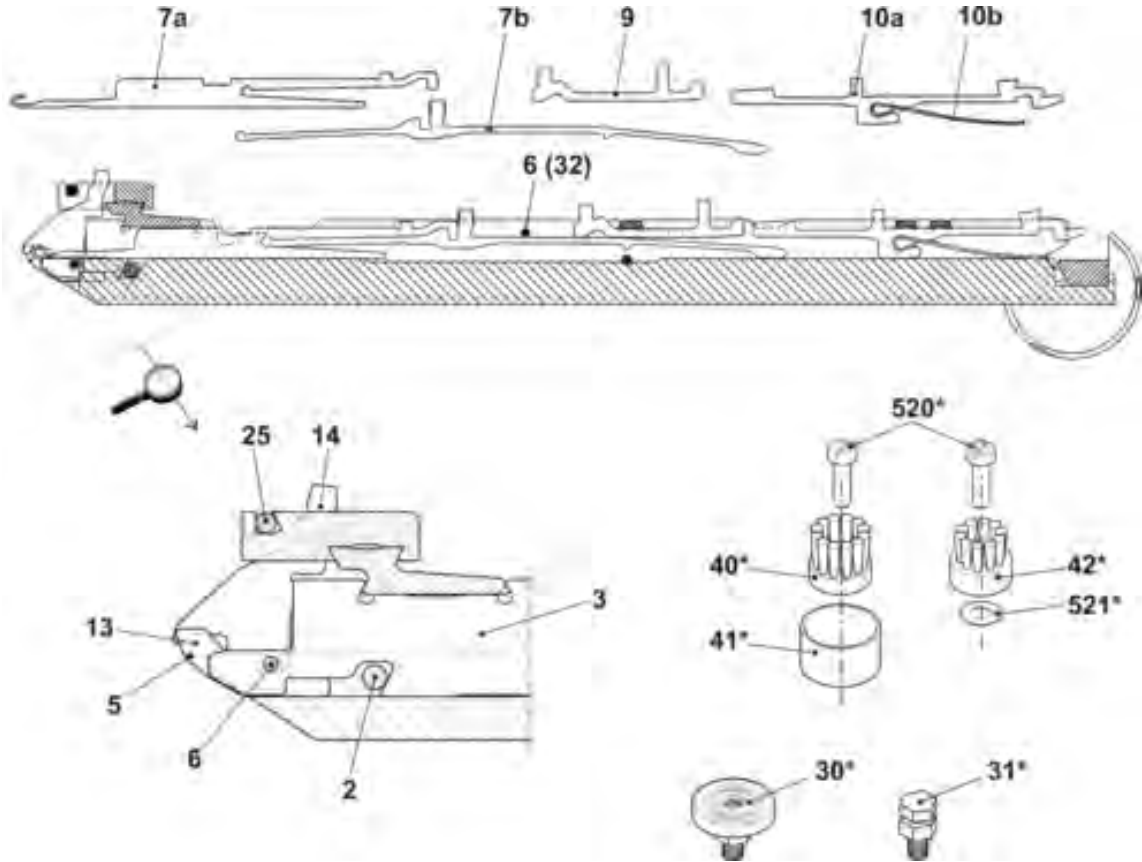
4.5 Needle bed E12m.10

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E12m.10	256 643				
1	Needle bed at the front and rear E12	255 796		29	Cap screw 5x12	209 484
4	Pressure bar	211 009		31	Cover rail at the rear	210 979
6	Spring steel wire ø 2.0	251 095		32	Spring steel wire ø 2.0	210 973
11	Holding-down jack bed at the front E12	211 042		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E12	211 049		503	Cap screw M6X14	022 658
15	Limiter on the left E10-E14	205 764		505	Cap screw M5x8	023 379
16	Limiter on the right E4-E8	205 765		506	Cap screw M5x12-8.8	022 943
17	Needle rail on the left	205 311		507	Cap screw M5X22	023 193
18	Needle rail on the right	205 312		509	Set screw 4766-M3,5x3-1	020 512
19	Needle bar	210 977		511	Set screw 4026-M6x12-45	022 400
20	Cover rail at the front E12	210 986		512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978		513	Sprung thrust piece B-M10	023 177
22	Cover rail	210 980		514	Shim 0.05x18.5x34	023 196
26	Support	206 352		515	Shim 0.1x18.5x34	023 197
27	Bush	206 090		516	Shim 0.2x18.5x34	023 253



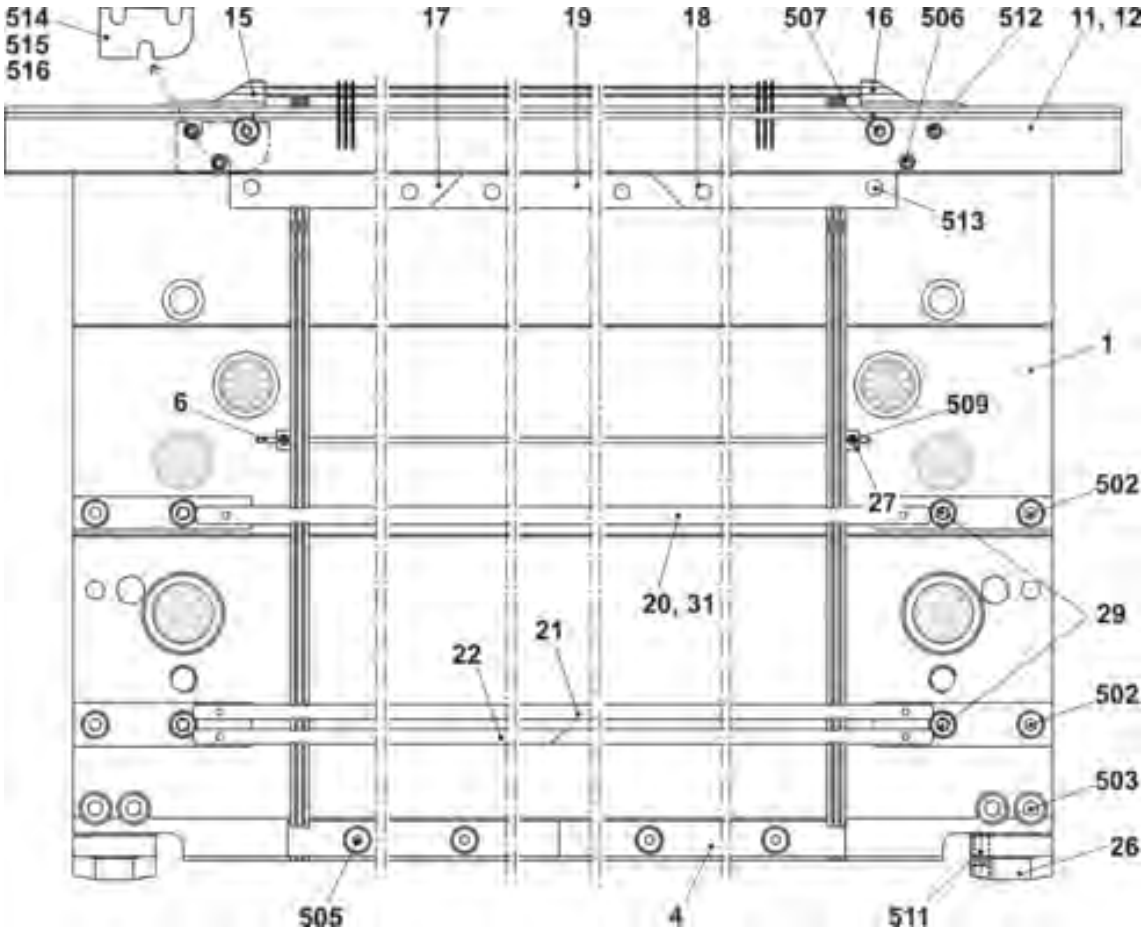
4.5.1 Continuation needle bed E12m.10

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E12m.10	256 643				
2	Fixed wire ø3.4	210 975		25	Fixed wire Ø2.8	210 974
3	Main trick wall E12	252 628		32	Spring steel wire ø 2.0	210 973
5	Spring steel wire ø0.6	210 969		33	Spring steel wire ø 2.0	210 973
7a	Needle E10 with round hook	205 398		30*	Adjusting piece	206 375
7b	Coupling part E10-12	253 382		31*	Set screw complete	207 712
9	Intermediate slider with brake E5-E8	255 535		40*	Disk brush	235 612
10a	Selection jack E10-12	200 688		41*	Container disk brush	233 012
10b	Selector spring E10-12	200 691		42*	Disk brush	202 600
13	Knock-over bit E12	205 013		520*	Cap screw M5x12	020 032
14	Holding-down jack trick wall E12	227 821		521*	Adjusting washer P6x12x03	023 540



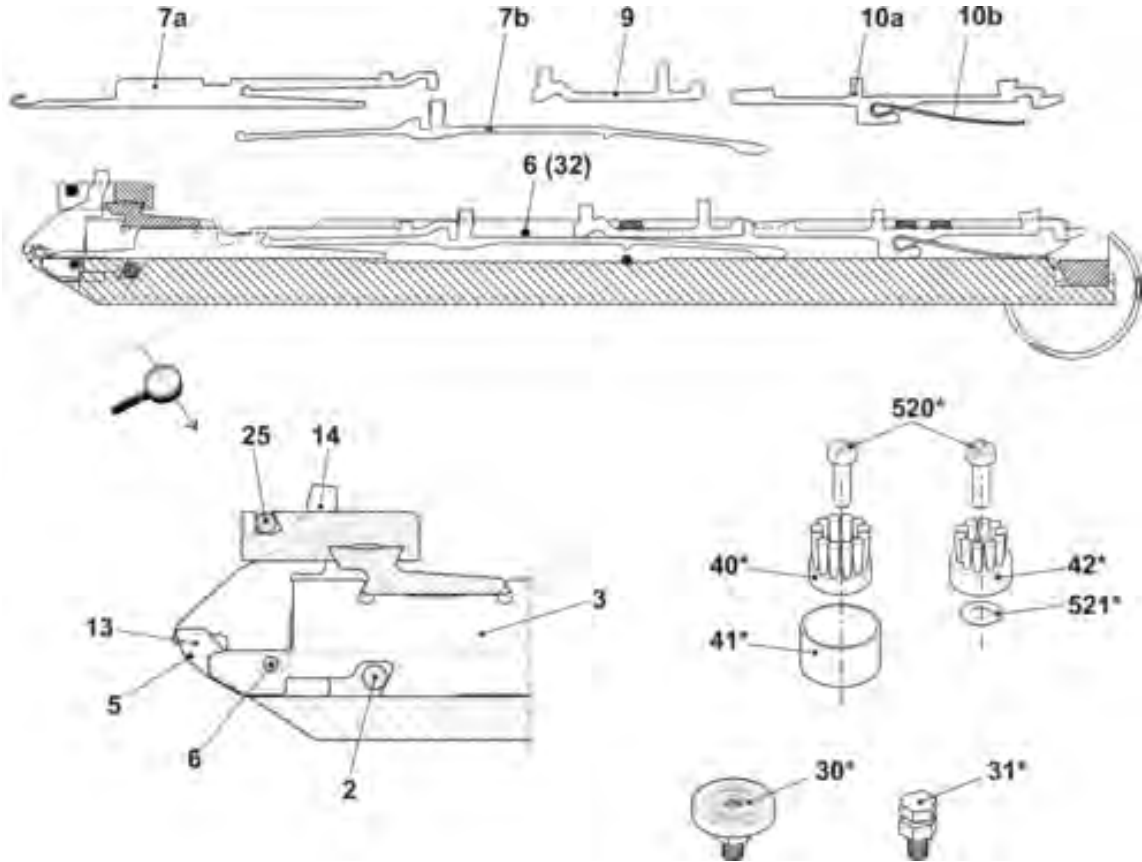
4.6 Needle bed E6.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E6.2	256 589		27	Bush	206 090
1	Needle bed at the front and rear E12	255 796		29	Cap screw 5x12	209 484
4	Pressure bar	211 009		31	Cover rail at the rear	210 979
6	Spring steel wire ø 2.0	251 095		502	Cap screw M5x12	020 132
11	Holding-down jack bed at the front E6.2	244 524		503	Cap screw M6X14	022 658
12	Holding-down jack bed at the rear E6.2	244 525		505	Cap screw M5x8	023 379
15	Limiter on the left E10-E14	205 764		506	Cap screw M5x12-8.8	022 943
16	Limiter on the right E4-E8	205 765		507	Cap screw M5X22	023 193
17	Needle rail on the left	205 311		509	Set screw 4766-M3,5x3-1	020 512
18	Needle rail on the right	205 312		511	Set screw 4026-M6x12-45	022 400
19	Needle bar	210 977		512	Cap screw M5x8-8.8 M	023 154
20	Cover rail at the front E12	210 986		513	Sprung thrust piece B-M10	023 177
21	Cover rail	210 978		514	Shim 0.05x18.5x34	023 196
22	Cover rail	210 980		515	Shim 0.1x18.5x34	023 197
26	Support	206 352		516	Shim 0.2x18.5x34	023 253



4.6.1 Continuation needle bed E6.2

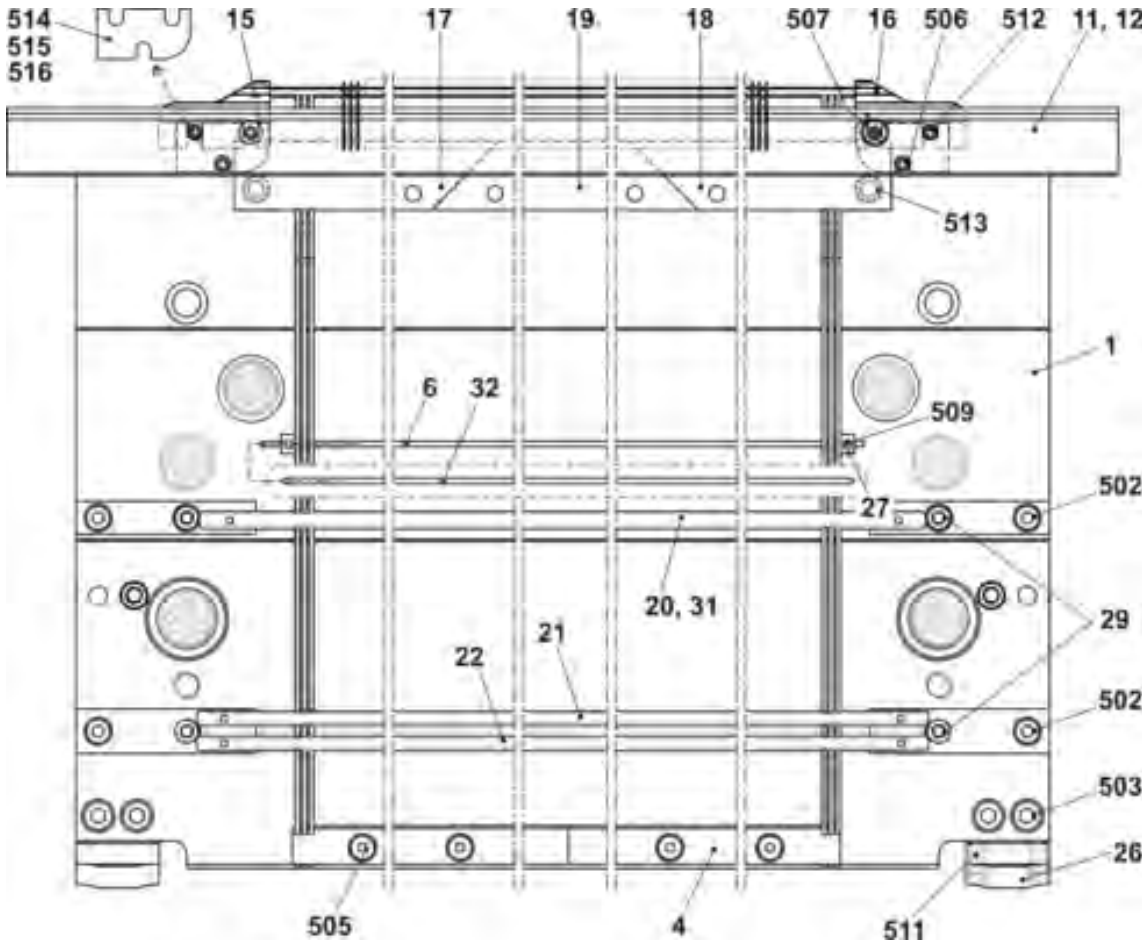
Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E6.2	256 589				
2	Fixed wire ø3.4	210 975		14	Holding-down jack trick wall E12	227 821
3	Main trick wall E12	252 628		25	Fixed wire Ø2.8	210 974
5	Spring steel wire ø0.6	210 969		32	Spring steel wire ø 2.0	210 973
6	Spring steel wire ø 2.0	251 095		30*	Adjusting piece	206 375
7a	Needle E6.2	207 349		31*	Set screw complete	207 712
7b	Coupling part E10-12	253 382		40*	Disk brush	235 612
9	Intermediate slider with brake E5-E8	255 535		41*	Container disk brush	233 012
10a	Selection jack E10-12	200 688		42*	Disk brush	202 600
10b	Selector spring E10-12	200 691		520*	Cap screw M5x12	020 032
13	Knock-over bit E12	205 013		521*	Adjusting washer P6x12x03	023 540



4.7 Needle bed E7.2

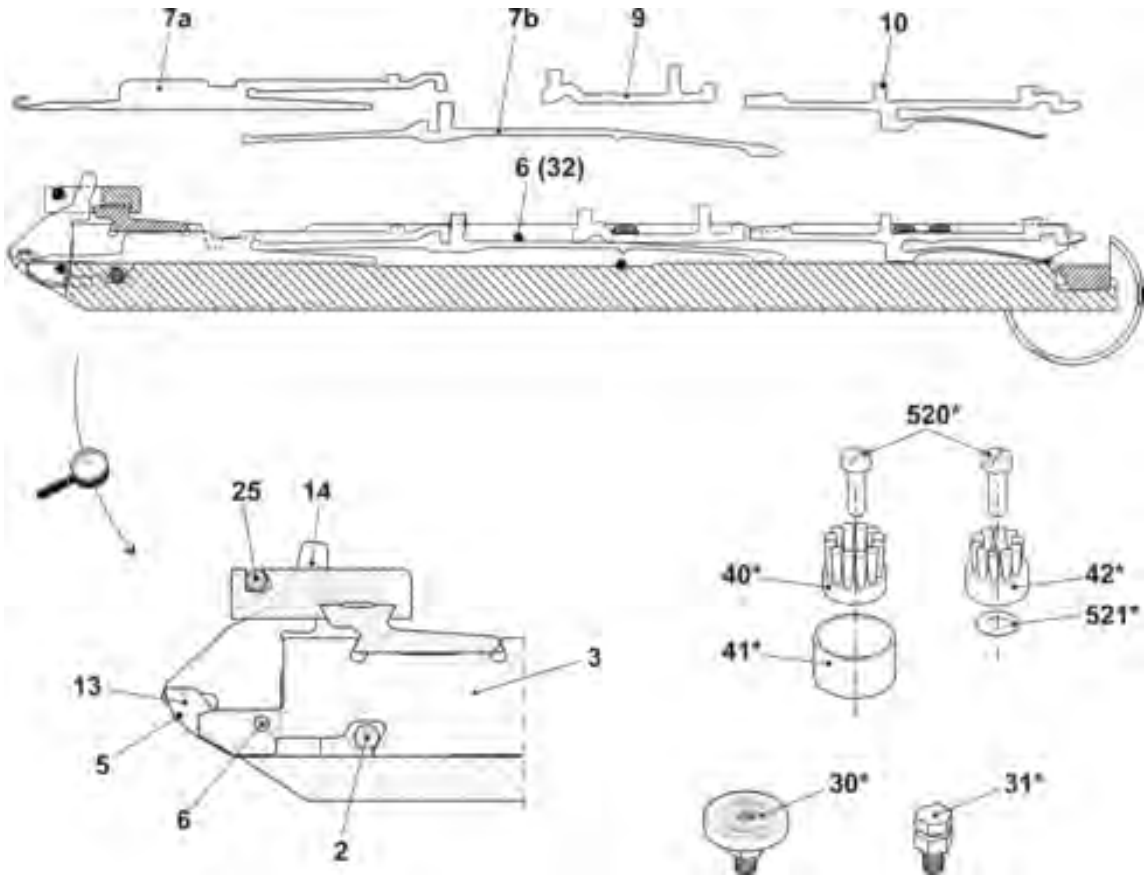
4.7 Needle bed E7.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E7.2	255 793				
1	Needle bed at the front and rear E14	255 797		29	Cap screw 5x12	209 484
4	Pressure bar	211 009		31	Cover rail at the rear	210 979
6	Spring steel wire ø 2.0	251 095		32	Spring steel wire ø 2.0	210 973
11	Holding-down jack bed at the front E7.2 MG	240 176		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E7.2 MG	240 177		503	Cap screw M6X14	022 658
15	Limiter on the left E10-E14	205 764		505	Cap screw M5x8	023 379
16	Limiter on the right E4-E8	205 765		506	Cap screw M5x12-8.8	022 943
17	Needle rail on the left	205 311		507	Cap screw M5X22	023 193
18	Needle rail on the right	205 312		509	Set screw M3,5x3-1	020 512
19	Needle bar	210 977		511	Set screw I6x12-45	022 400
20	Cover rail at the front E14	210 987		512	Cap screw M5x8-8.8 M	023 154
21	Cover rail	210 978		513	Sprung thrust piece B-M10	023 177
22	Cover rail	210 980		514	Shim 0.05x18.5x34	023 196
26	Support	206 352		515	Shim 0.1x18.5x34	023 197
27	Bush	206 090		516	Shim 0.2x18.5x34	023 253



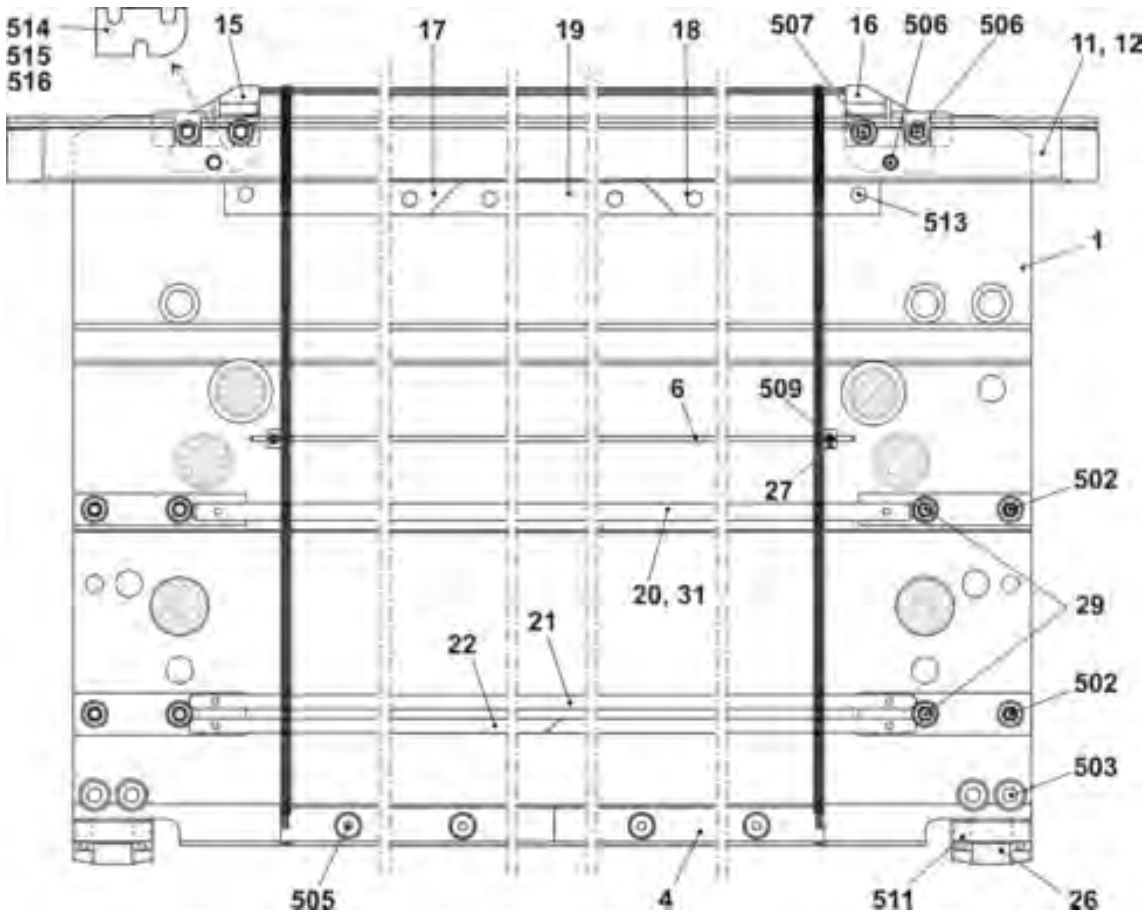
4.7.1 Continuation needle bed E7.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear	255 793		14	Holding-down jack trick wall E14	235 262
2	Fixed wire ø3.4	210 975		25	Fixed wire Ø2.8	210 974
3	Main trick wall E14	252 629		32	Spring steel wire ø 2.0	210 973
5	Spring steel wire ø0.6	210 969		30*	Adjusting piece	206 375
6	Spring steel wire ø 2.0	251 095		31*	Set screw complete	207 712
7a	Needle E7.2	225 230		40*	Disk brush	235 612
7b	Coupling part E14	253 383		41*	Container disk brush	233 012
9	Intermediate slider with brake E14	255 536		42*	Disk brush	202 600
10	Selection jack with spring E14	224 725		520*	Cap screw M5x12	020 032
13	Knock-over bit E14	209 649		521*	Adjusting washer P6x12x03	023 540



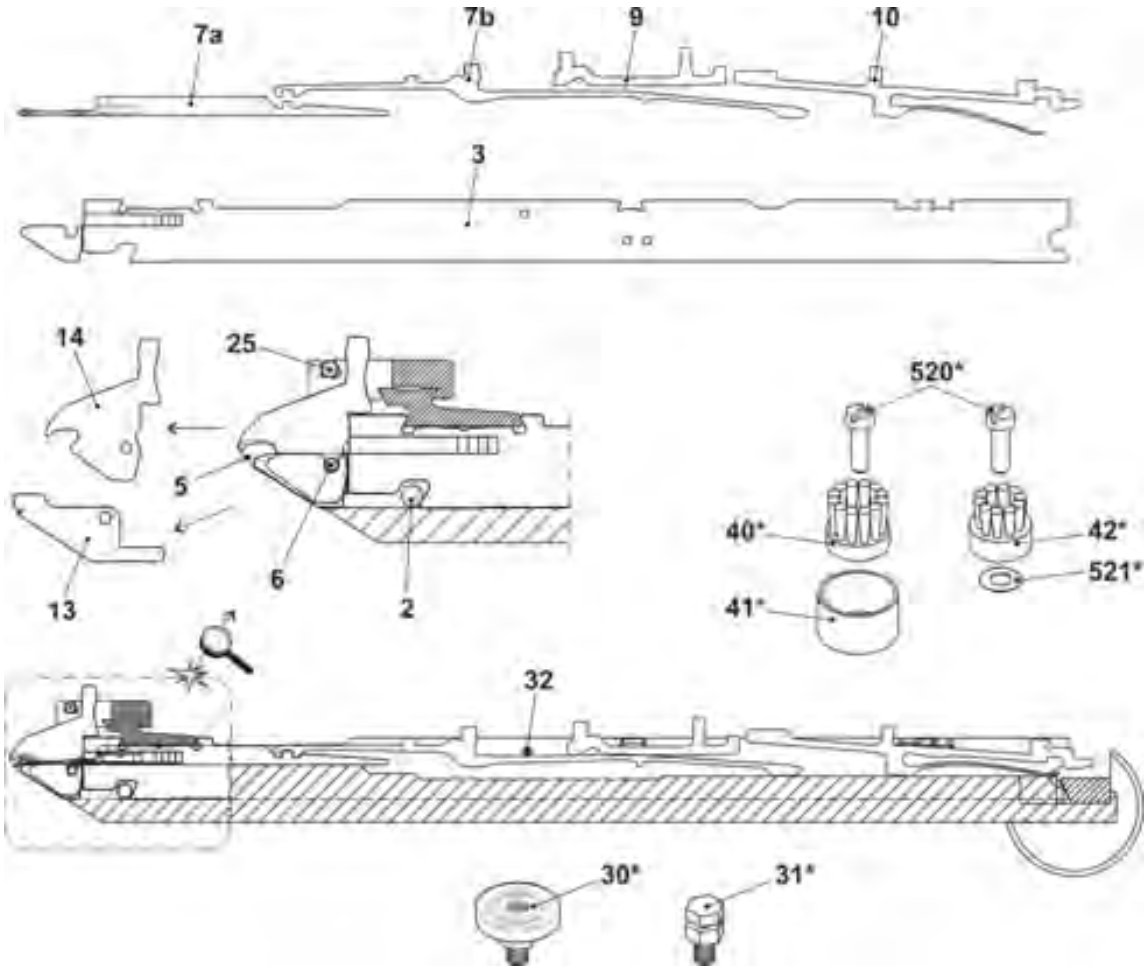
4.8 Needle bed E8.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E8.2	256 590				
1	Needle bed at the front and rear E16	256 581		27	Bush	206 090
4	Pressure bar	211 009		29	Cap screw 5x12	209 484
6	Spring steel wire ø 2.0	251 095		31	Cover rail at the rear	210 979
11	Holding-down jack bed at the front E16	244 566		502	Cap screw M5x12	020 132
12	Holding-down jack bed at the rear E16	244 568		503	Cap screw M6X14	022 658
15	Limiters on the left E16-E20	220 821		505	Cap screw M5x8	023 379
16	Limiters on the right E16-E20	220 822		506	Cap screw M5x12	022 943
17	Needle rail on the left	205 311		507	Cap screw M5X22	023 193
18	Needle rail on the right	205 312		509	Setscrew M3.5x3	020 512
19	Needle bar	210 977		511	Setscrew M6x12	022 400
20	Cover rail at the front E16	244 597		513	Sprung thrust piece B-M10	023 177
21	Cover rail	210 978		514	Shim 0.05x18.5x34	023 196
22	Cover rail	210 980		515	Shim 0.1x18.5x34	023 197
26	Support	206 352		516	Shim 0.2x18.5x34	023 253



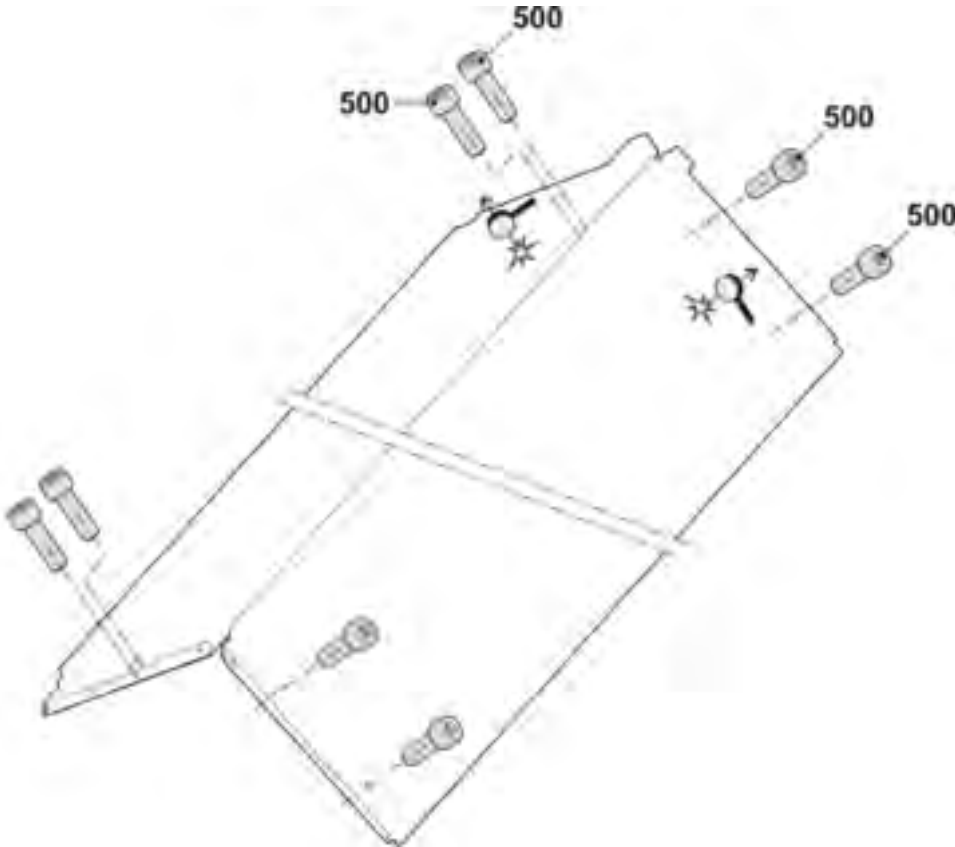
4.8.1 Continuation needle bed E8.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E8.2	256 590				
2	Fixed wire ø3.4	210 975		25	Fixed wire Ø2.8 E16-18	244 587
3	Main trick wall E16	245 319		32	Spring steel wire ø 2.0	210 973
5	Spring steel wire ø0.5	244 585		30*	Adjusting piece	206 375
7a	Needle E18/14	240 026		31*	Set screw complete	207 712
7b	Coupling part E16-18	253 384		40*	Disk brush	235 612
9	Intermediate slider with brake E16-18	255 537		41*	Container disk brush	233 012
10	Selection jack with spring E16	224 326		42*	Plate brush ø12	202 600
13	Knock-over bit E16	222 503		520*	Cap screw M5x12	020 032
14	Holding-down jack E16	222 504		521*	Adjusting washer P6x12x0.3	023 540



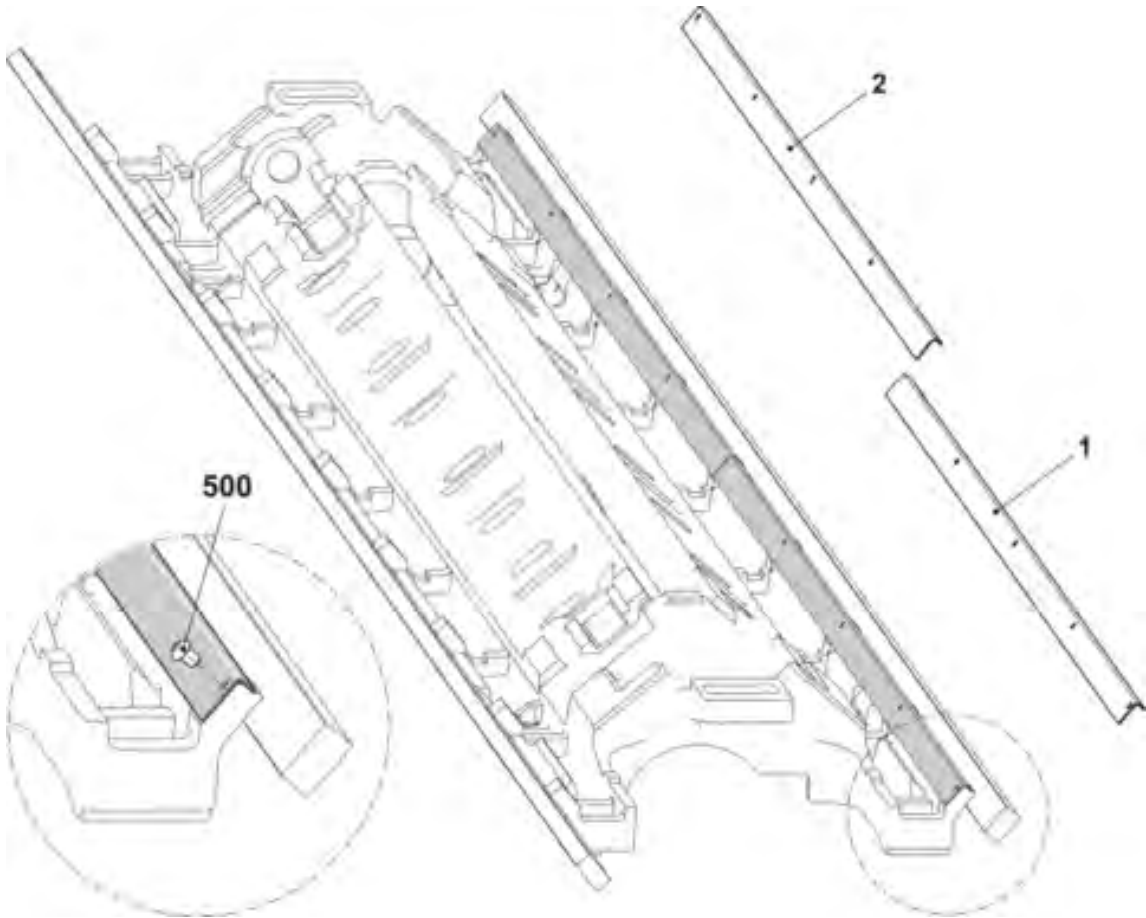
4.9 Needle beds, fixing elements

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



4.10 Cover on the left and on the right

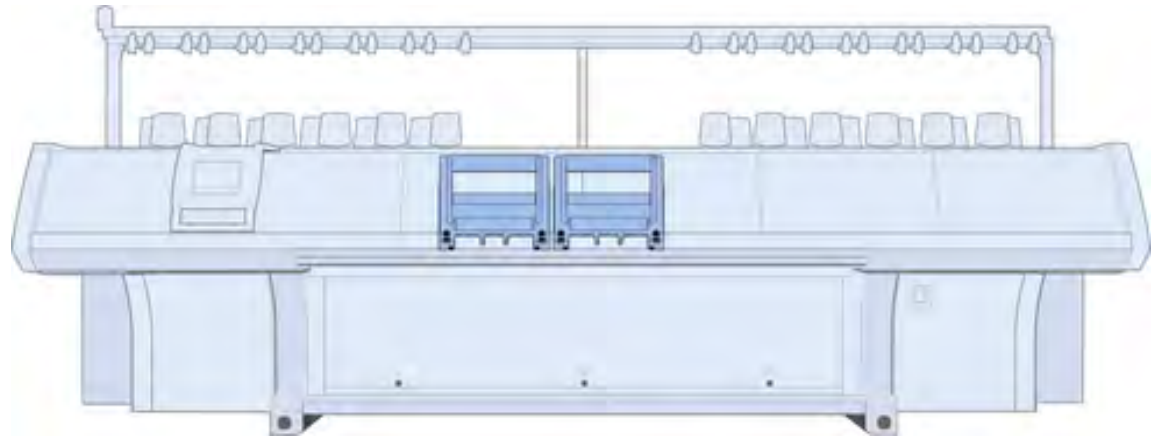
Pos	Designation	Id		Pos	Designation	Id
1	Cover on the left	242 253		500	Countersunk screw M8x10	241 930
2	Cover on the right	242 254				



4.10 Cover on the left and on the right

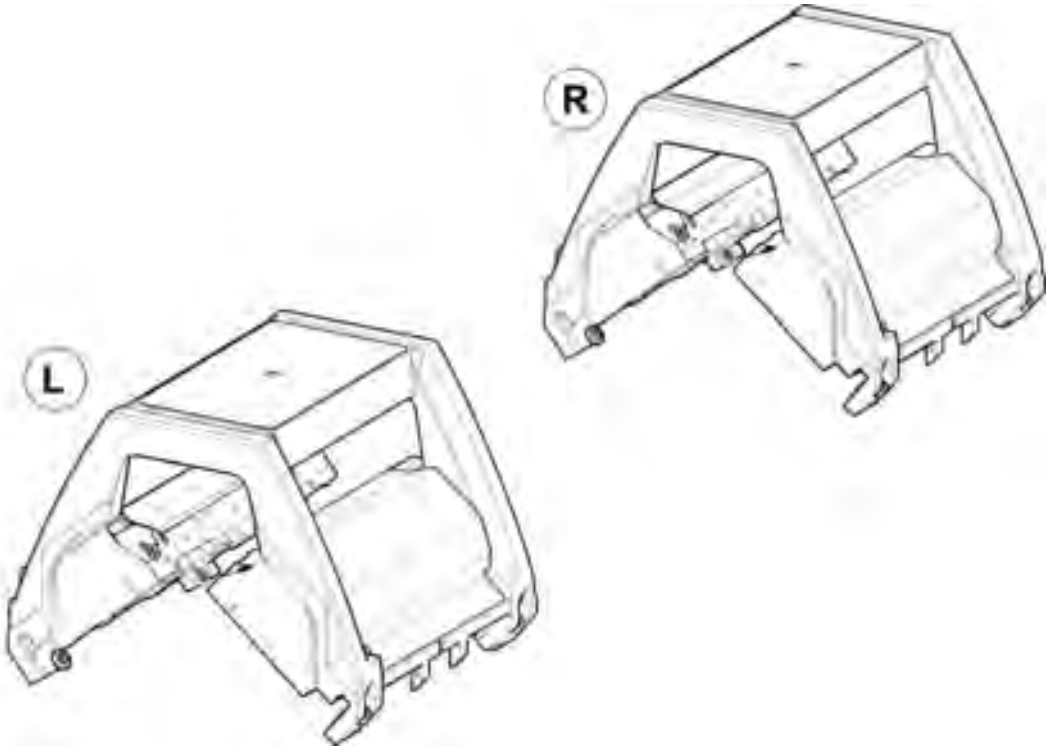
Notes:

5 Tandem carriage



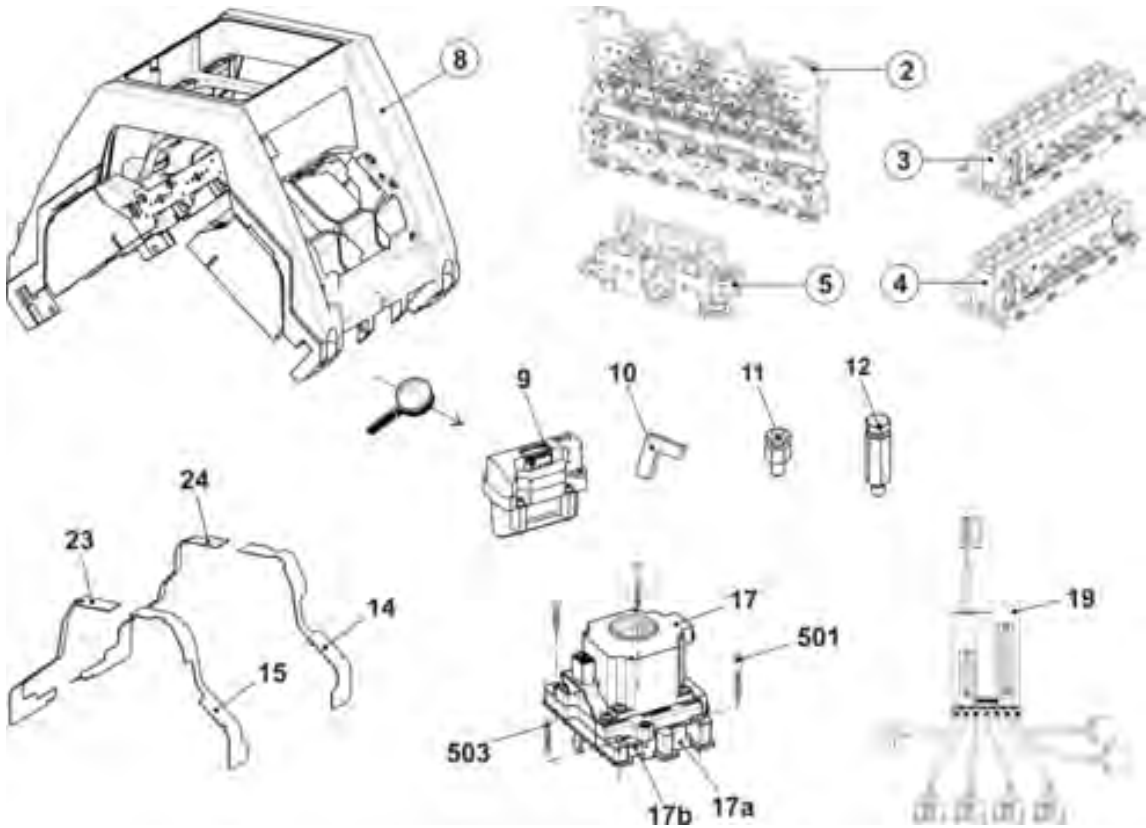
5.1 Complete Carriage

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



5.2 Overview of Carriage Parts

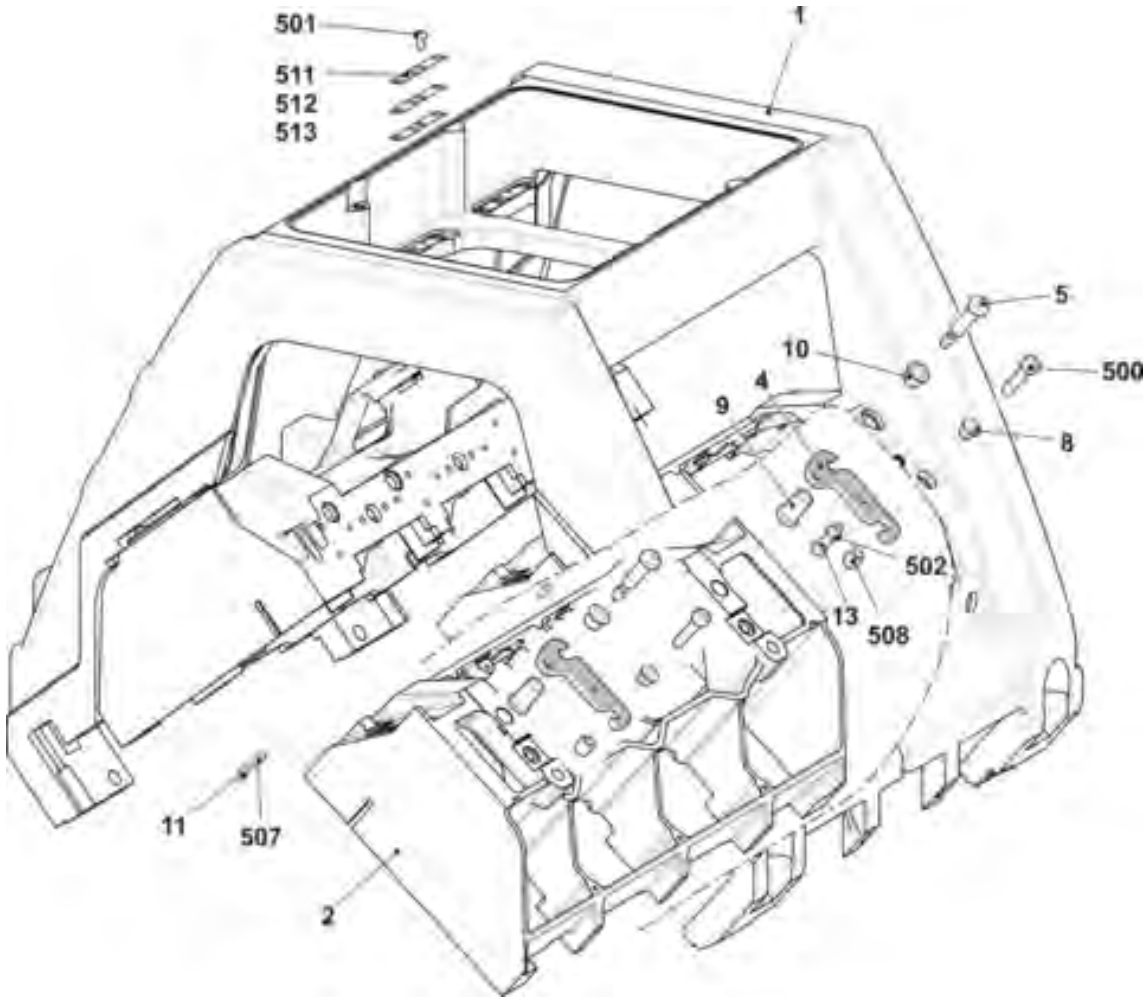
Pos	Designation	Id	Pos	Designation	Id
2	Cam box set complete E10	256 850			
	Cam box set complete E12	256 851			
	Cam box set complete E14	256 852			
	Cam box set complete E16	256 853			
	Cam box set complete E12m.10	256 854			
	Cam box set complete E6.2	256 855			
	Cam box set complete E7.2	255 783			
	Cam box set complete E8.2	256 856			
3	FF driving outside complete	245 297	9	Selection system complete	
4	FF driving in the middle complete	245 298		E10 E12 E6.2 E12m.10	216 219
5	Holding-down jack control complete			E14 E7.2	229 300
	E10	256 306		E16 E8.2	220 114
	E12 E14 E6.2 E12m.10	256 307	10	Wiper felt	241 411
	E16	256 308	11	Bolts	212 392
	E7.2	256 309	12	Bolts	243 171
	E8.2	256 310	14	Cover plate on the right	250 275
8	Carriage assembly 3 cam boxes on the left complete 5 inches	255 786	15	Cover plate on the left	250 274
	Carriage assembly 3 cam boxes on the right complete 5Z	256 653	17	Motor unit complete	251 827
			17a	Gear rack at the top complete	251 817
			17b	Gear rack at the bottom complete	251 818
			19	Distributor 3 cam boxes 5Z OKC3	253 139
			23	Guide plate at the rear on the left	245 323
			24	Guide plate at the rear on the right	245 324
			501	Cap screw M4x35	023 550
			503	Cap screw M4x20	023 171



5.3 Carriage

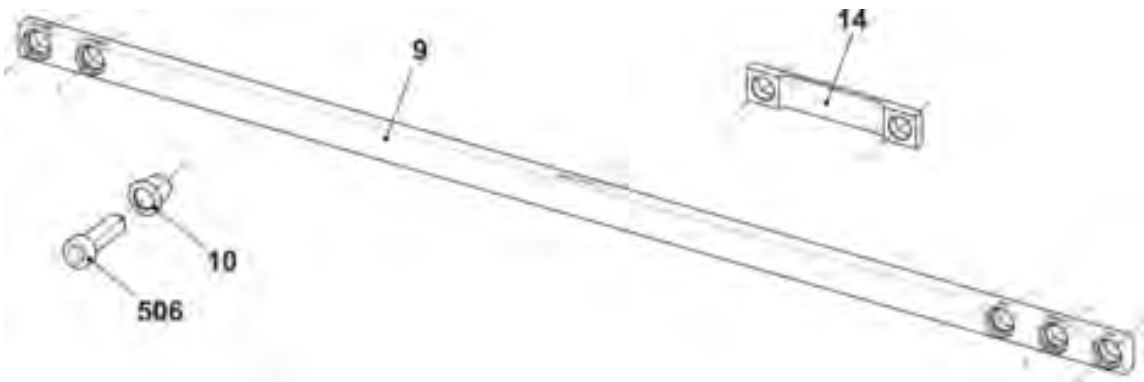
5.3 Carriage

Pos	Designation	Id		Pos	Designation	Id
Σ	Carriage assembly 3 cam boxes on the left complete 5 inches	255 786				
	Carriage assembly 3 cam boxes on the right complete 5Z	256 653		13	Locating bolt linking spot	244 179
1	Carriage frame, 3 cam boxes	252 718		500	Cap screw M8x30	020 143
2	Carriage part, 3 cam boxes	252 989		501	Countersunk screw M6x10	023 183
4	Shim	225 312		502	Circlip 6	021 022
5	Dowel screw	211 750		507	Setting pin 5x14	020 670
8	Bush	207 546		508	Threaded bushing M12x11.5	041 863
9	Bush	209 275		511	Shim 0,2x10x70	023 699
10	Bush	209 274		512	Shim 0,1x10x70	023 698
11	Eccentric	222 983		513	Shim 0,05x10x70	023 697



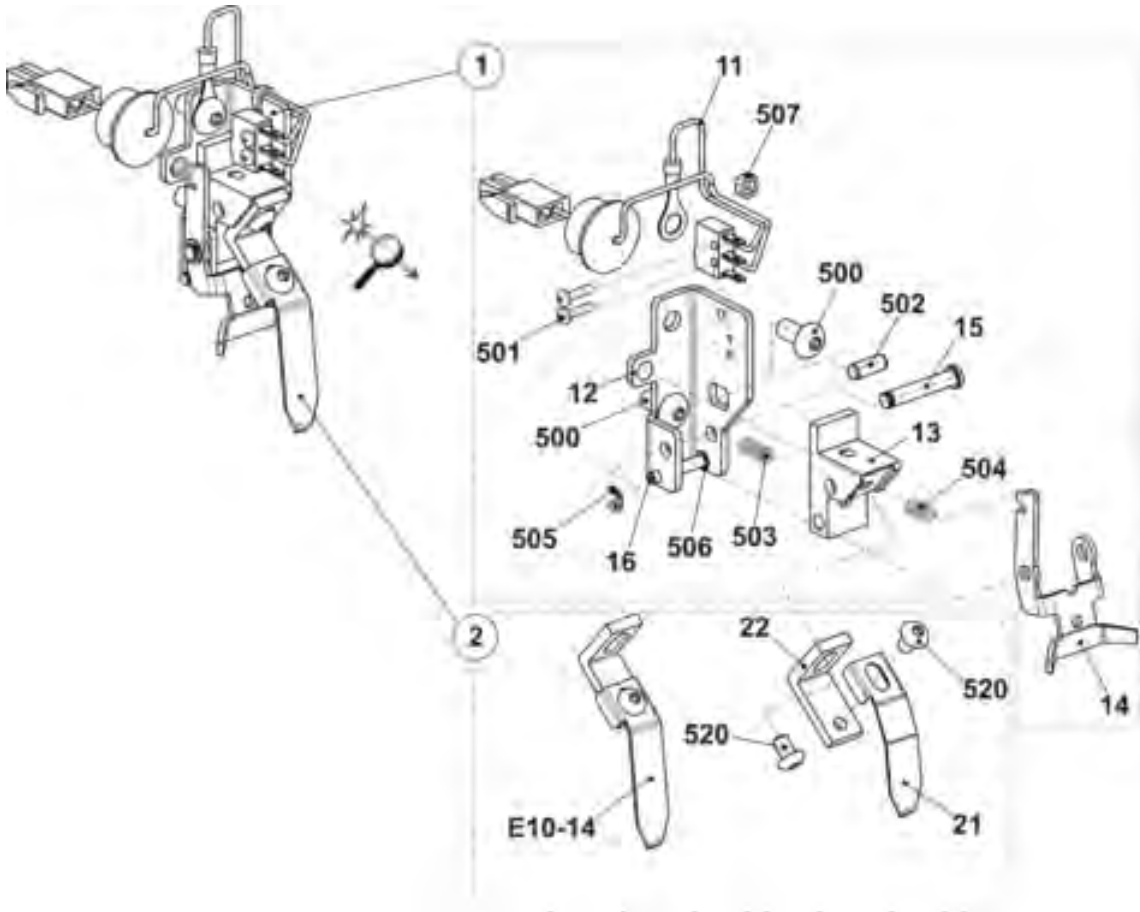
5.4 Carriage coupling

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



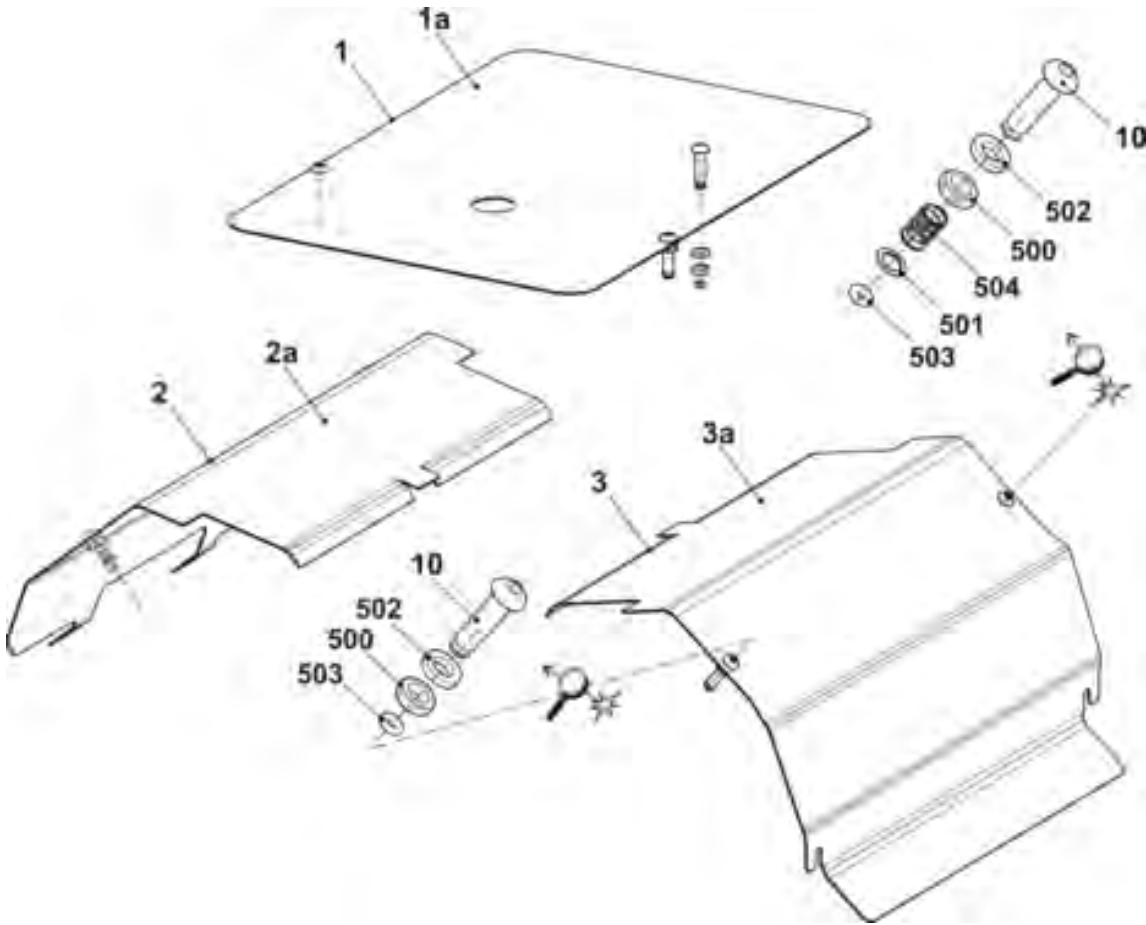
5.5 Needle detector

Pos	Designation		Id		Pos	Designation		Id
Σ	Needle detector				504	Compression spring 0.4x4x11.2		256 952
1	Needle detector pre-assembled		256 475		505	Circlip		021 018
	11	Cable of needle detector complete	221 207		506	Circlip		023 565
	12	Retainer	256 476		507	Cable tape 92x2,4		008 378
	13	Switch rocker	256 477		2	Sensor pre-assembled E10 E12 E14 E12m.10 E6.2 E7.2		256 454
	14	Set-out plate	256 094			21	Sensor E10-E14	255 758
	15	Bolts	256 492			22	Angle	255 757
	16	Stop bolt	256 493			520	Countersunk screw M4x6	023 427
	500	Countersunk screw M5x10	023 247		2	Sensor pre-assembled E16 E18 E8.2		256 784
	501	Countersunk screw M2x8	258 310			21	Sensor E16-18	255 759
	502	Dowel pin 4x10-A-St	023 753			22	Angle	255 757
	503	Compression spring 4.3x0.45x10	021 398			520	Countersunk screw M4x6	023 427



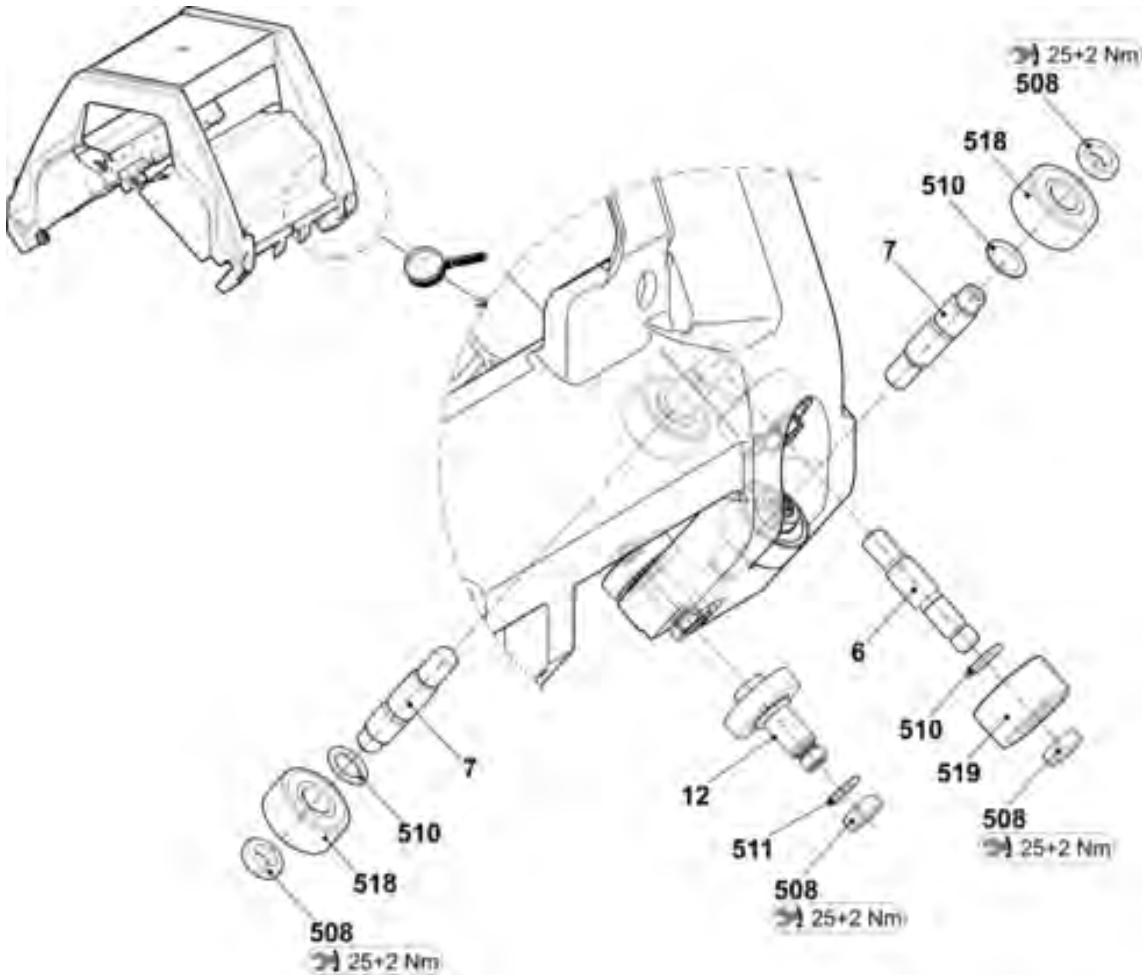
5.6 Carriage cover

Pos	Designation	Id	Pos	Designation	Id
1	Carriage cover at the top 3 cam boxes complete	257 103	10	Fixing bolt	242 382
	1a Carriage cover at the top 3 cam boxes 5Z	253 148	500	Hexagon nut M6	257 088
2	Carriage cover at the rear complete 3 cam boxes	257 177	501	U-washer 6.1x9x0.5	023 554
	2a Carriage cover at the rear 3 cam boxes 5Z	253 147	502	Serrated lock washer 6.4	022 385
3	Carriage cover front 3 cam boxes	257 176	503	O-ring 3x2	242 420
	3a Carriage cover front 3 cam boxes 5Z	253 146	504	Compression spring 0.48x7.02x17.29	023 654



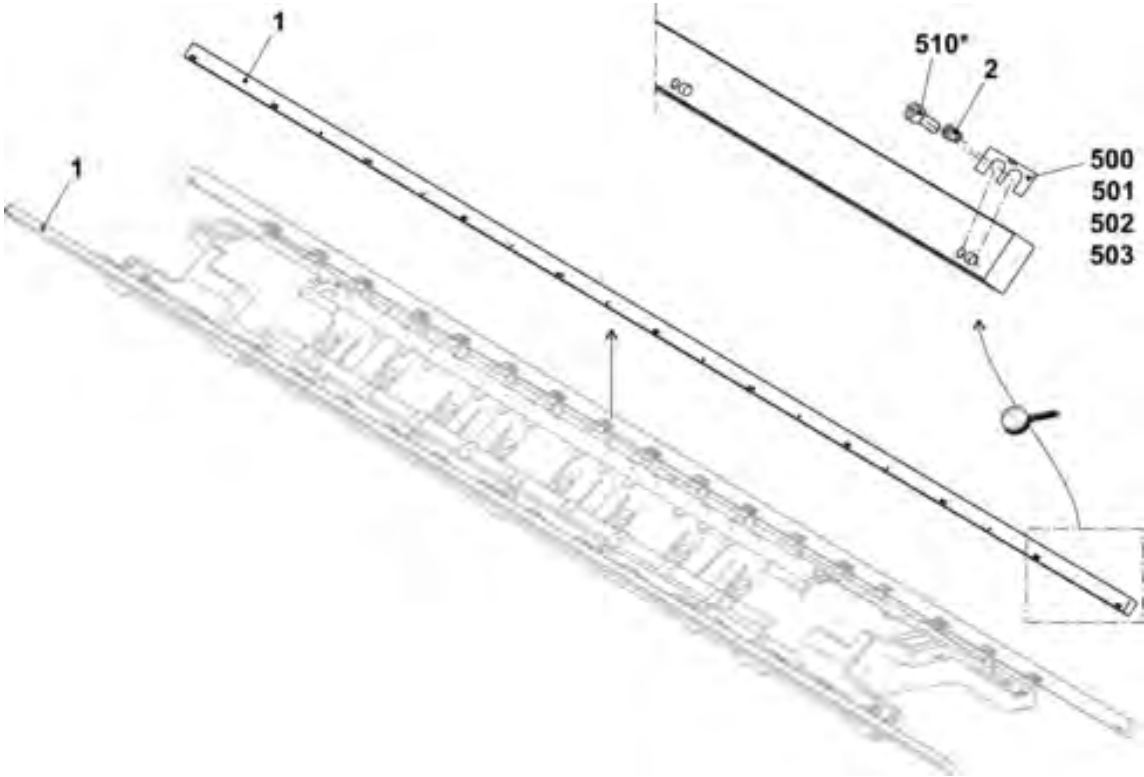
5.7 Carriage guide

Pos	Designation	Id		Pos	Designation	Id
6	Bearing bolt eccentric 0.3	242 060		510	Shim ring 12x18x1	023 315
7	Bearing bolt eccentric 0.3	240 624		511	Shim ring 4x8x1	023 260
12	Bolt pre-assembled	244 283		518	Grooved ball bearing 62300-2RS1	241 408
508	Nut M10	023 316		519	Grooved ball bearing 62300-2RS1	242 070



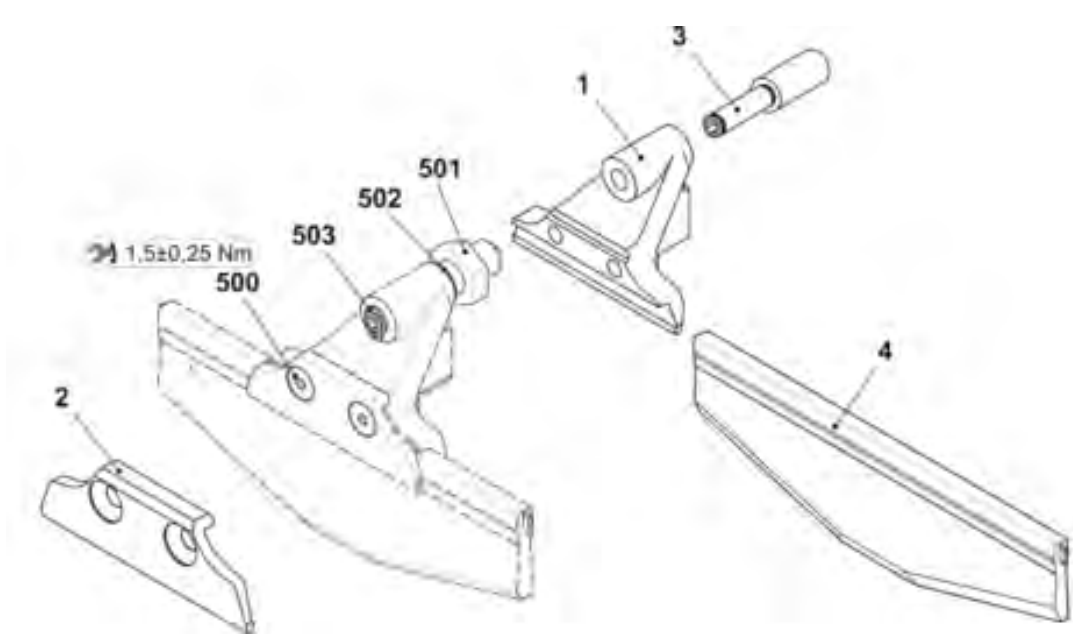
5.8 Spare parts package carriage guide bar

Pos	Designation	Id		Pos	Designation	Id
Σ	Spare parts package carriage guide bar 933	252 990		501	Shim 0,05x22x42	243 291
1	Carriage guide rail	242 051		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



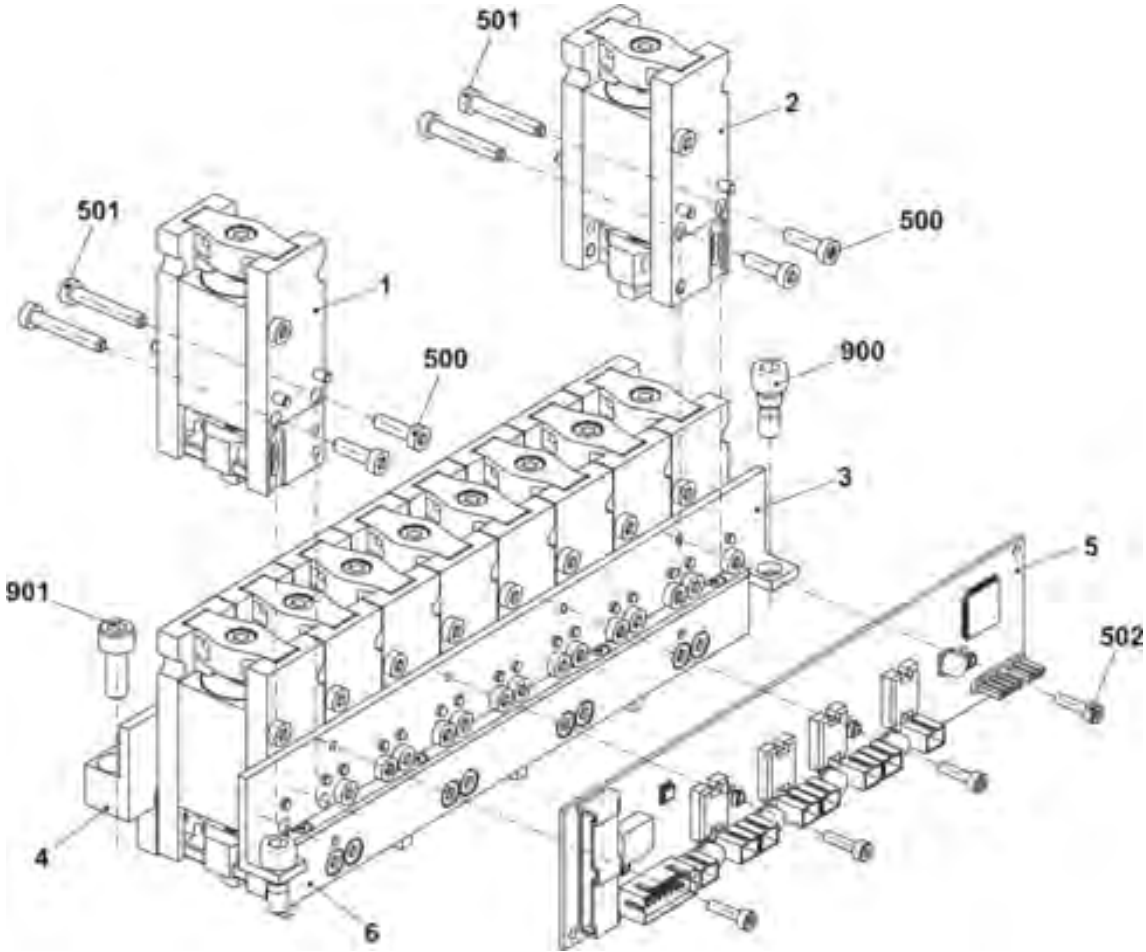
5.9 Brush holder

Pos	Designation	Id		Pos	Designation	Id
Σ	Brush holder complete			4	Brush	
	E10 E12 E14 E12m.10 E6.2 E7.2	252 749			E10 E12 E14 E12m.10 E6.2 E7.2	243 074
	E16 E8.2	213 710			E16 E8.2	203 254
1	Brush holder	213 009		500	Countersunk head screw M4x12	023 062
2	Brush clamp	213 010		501	Hexagon nut M8x5	023 750
3	Threaded rod	209 740		502	Adjusting washer 5x10x0.5	023 348
				503	Locking ring 68x2.5	023 347



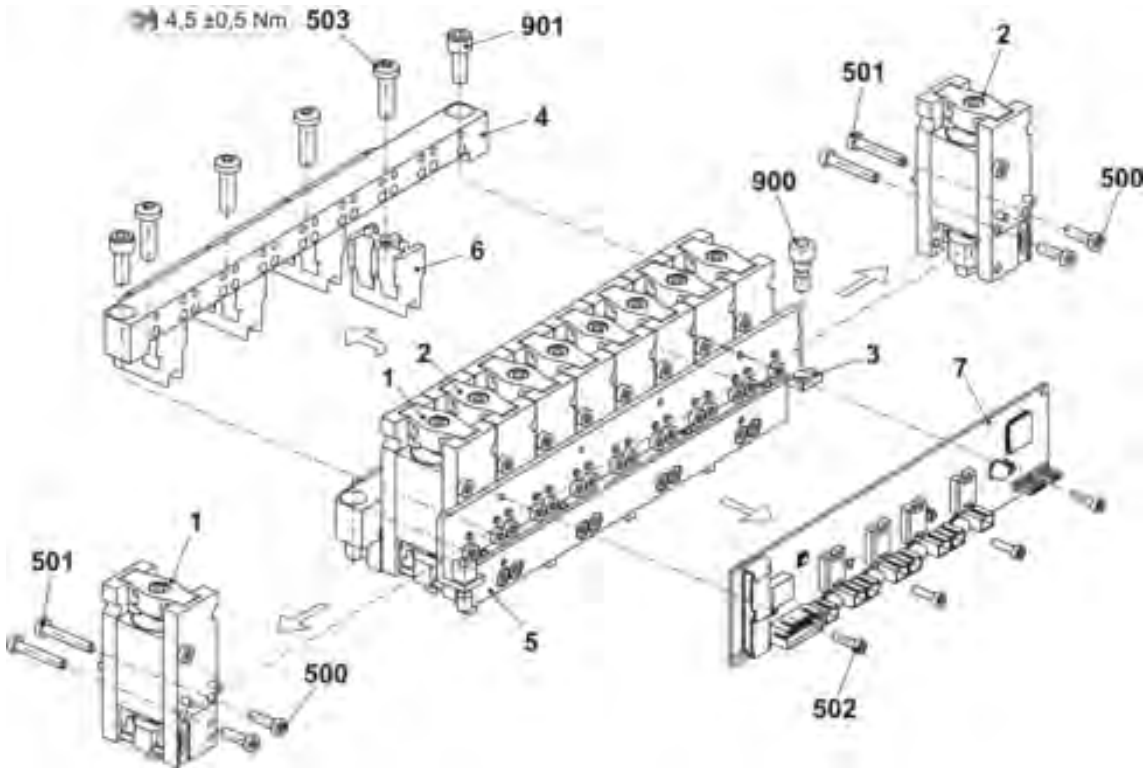
5.10 Yarn carrier driving without guiding part

Pos	Designation	Id		Pos	Designation	Id
Σ	YC driving outside complete	245 297		6	Switch mechanism	251 137
1	Yarn carrier plunger on the right complete	243 080		500	Cap screw M4x14-I-Torx	242 279
2	Yarn carrier plunger on the left complete	243 118		501	Cap screw M4x25-I-Torx	245 305
3	Support angle for jack	245 313		502	Cap screw M3x12-12.9	022 648
4	Mounting block outside	245 294		900	Dowel screw	231 899
5	Card yarn carrier final stages	300 960		901	Cap screw M6x16	020 135



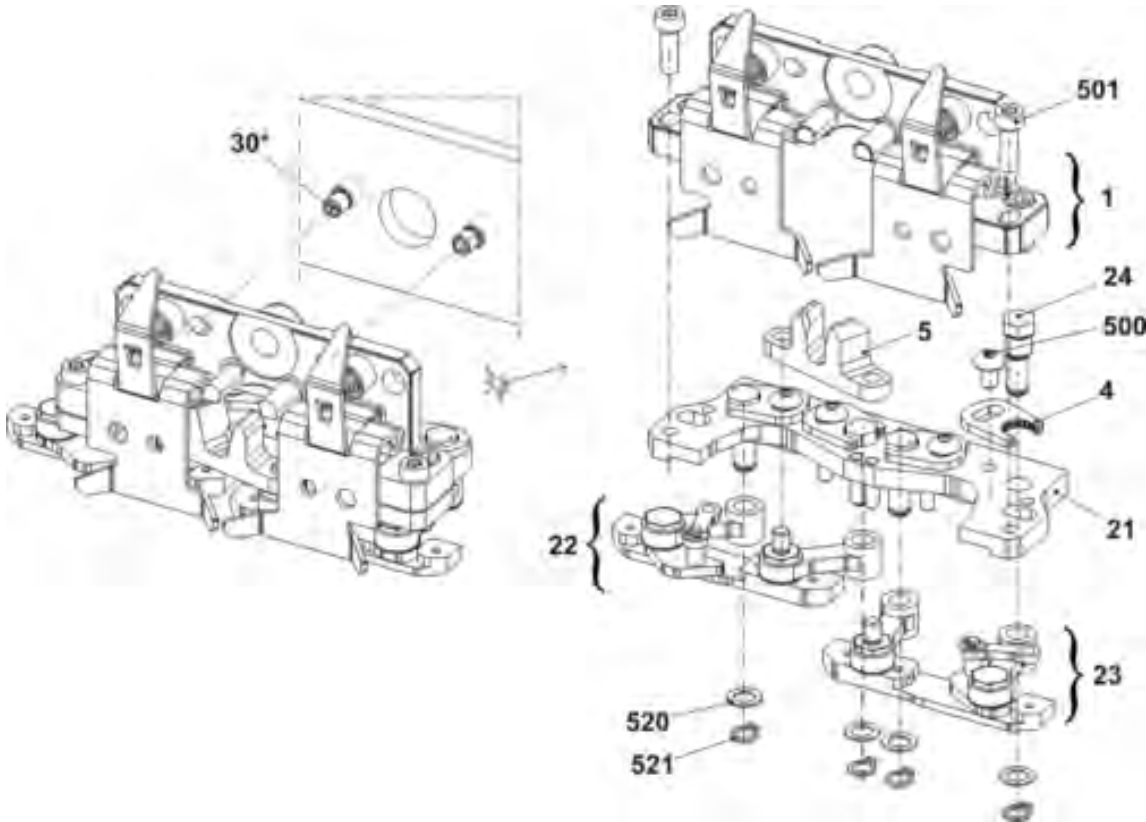
5.11 Yarn carrier driving with guiding part

Pos	Designation	Id		Pos	Designation	Id
Σ	YC driving in the middle complete	245 298		7	Card yarn carrier final stages	300 960
1	Yarn carrier plunger on the right complete	243 080		500	Cap screw M4x14-I-Torx	242 279
2	Yarn carrier plunger on the left complete	243 118		501	Cap screw M4x25-I-Torx	245 305
3	Support angle for jack	245 313		502	Cap screw M3x12-12.9	022 648
4	Mounting block in the middle	245 308		503	Screw KB60 x 20	243 625
5	Switch mechanism	251 137		900	Dowel screw	231 899
6	Guiding part	239 972		901	Cap screw M6x16	020 135



5.12 Holding-down jack control

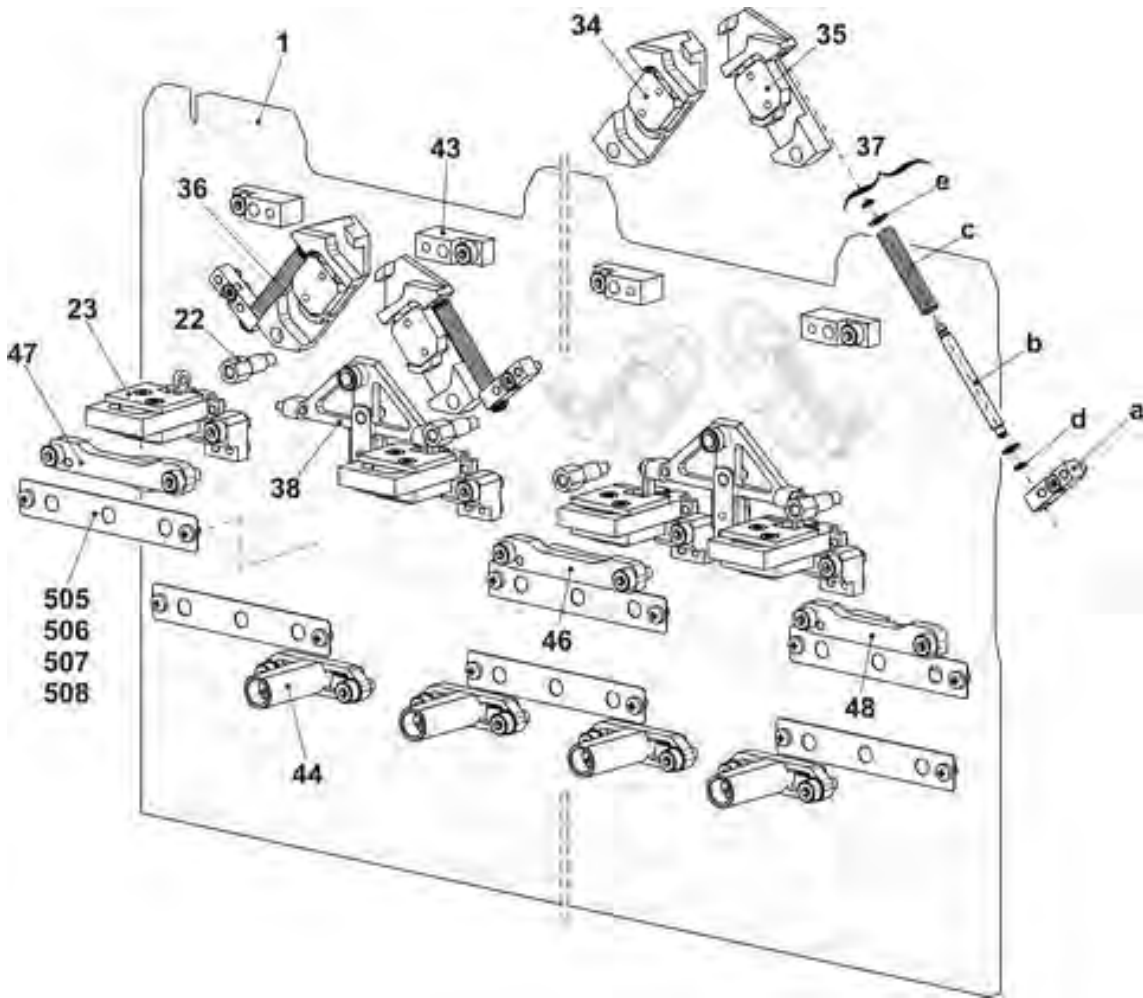
Pos	Designation	Id		Pos	Designation	Id
Σ	Holding-down jack control complete					
	E10	256 306		22	E7.2	256 394
	E12 E14 E6.2 E6.2(12m.10) E14/12	256 307			E8.2	256 395
	E16 E18	256 308		23	Slider on the left complete	
	E7.2	256 309			E10	256 396
	E8.2	256 310			E12 E14 E6.2 E6.2(12m.10) E14/12	256 397
1	Assembly plate complete	256 311			E16 E18	256 398
4	Adjusting plate	256 388			E7.2	256 399
5	Plunger	256 059			E8.2	256 400
21	Base plate	256 064		24	Bolt	209 722
22	Slider on the right complete			500	Countersunk screw M4x6	023 427
	E10	251 540		501	Cap screw M4x12	241 859
	E12 E14 E6.2 E6.2(12m.10) E14/12	256 392		520	Adjusting washer 5x10x0.5	256 371
	E16 E18	256 393		521	Locking ring 5x0.6	023 347



5.13 Cam box E10

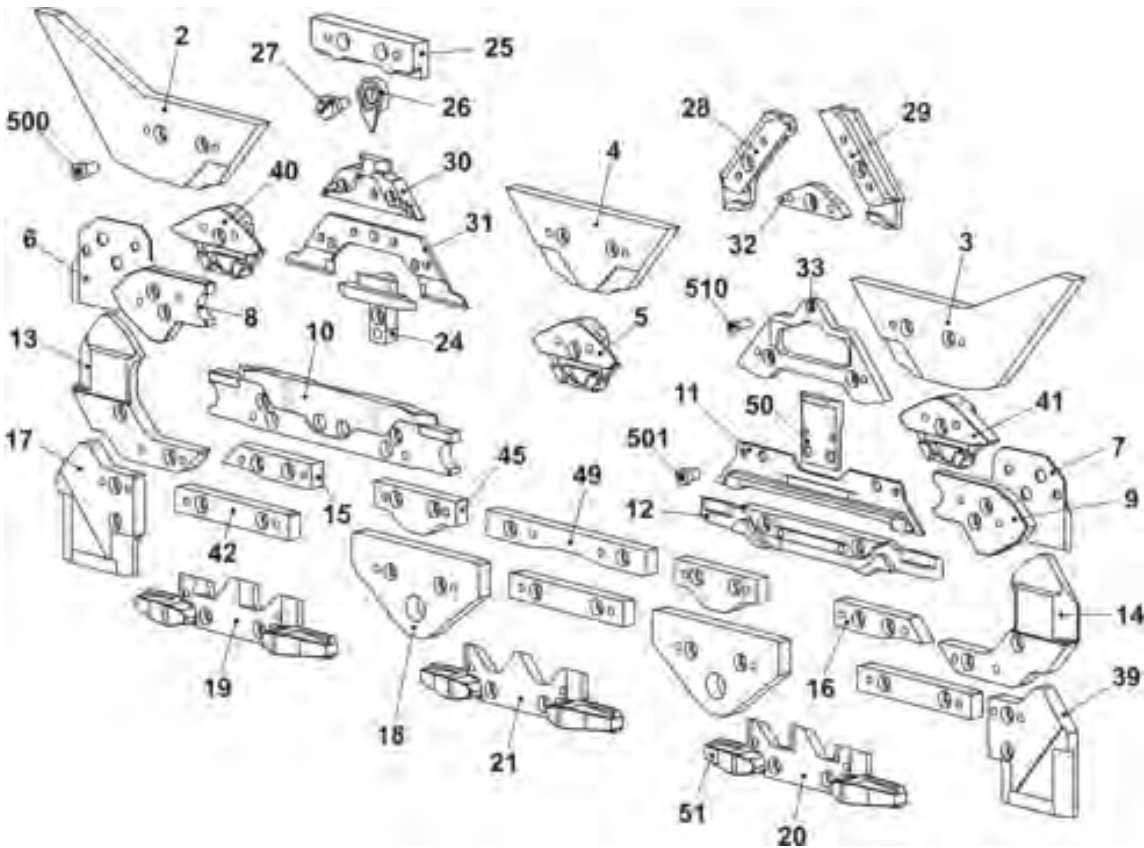
5.13 Cam box E10

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E10	256 850			
1	Cam plate E10-18	251 952	38	Slider pressure part complete	251 834
22	Stay bolt	254 839	43	Holding piece	251 828
23	Guidance pressure part complete	253 480	44	Limit cam complete E10-18	251 889
34	Stitch forming cam on the left complete E10	254 246	46	Intermediate cam E10-18	255 051
35	Stitch forming cam on the right complete E10	254 247	47	Intermediate cam on the right E10-18	255 053
36	Rod guide on the left complete	252 662	48	Intermediate cam n the left E10-18	255 052
37	Rod guide on the right complete	252 663	505	Shim 0,03x12x75	022 828
a	Rod guidance part	252 660	506	Shim 0,05x12x75	022 829
b	Spring rod	252 661	507	Shim 0.1x12x75	022 830
c	Compression spring	252 872	508	Shim 0,05x12x75	022 831
d	Circlip	023 565			
E	U-washer	020 877			



5.13.1 Cams E10

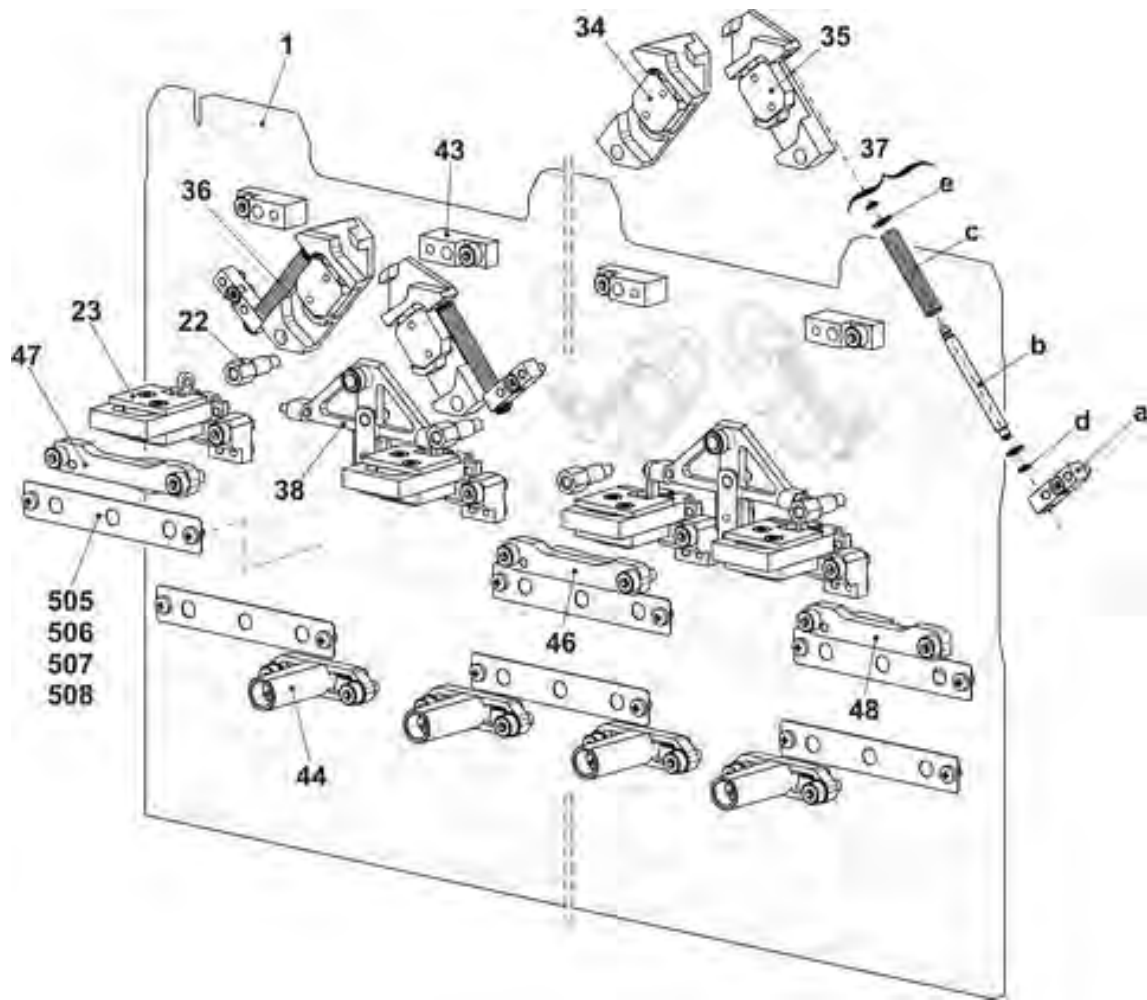
Pos	Designation	Ident No.		Pos	Designation	Ident No.
2	Entry cam on the left at the top E10-18	256 690		25	Limit cam E10 E7.2	251 993
3	Entry cam on the right at the top E10-18	256 691		26	Pointer E10	251 994
4	Entry cam at the top E10-18	256 689		27	Screw	210 335
5	Knitting position cam E10-E14 E6.2 E7.2	255 021		28	Stitch cam on the left E10-14 E7.2	254 331
6	Plate on the left E10-18	255 389		29	Stitch cam on the right E10-14 E7.2	254 332
7	Plate on the right E10-18	255 390		30	Tuck limit cam E10 E7.2	254 295
8	Entry cam on the left E10-18	255 391		31	Raising cam plate E10-18	251 992
9	Entry cam on the right E10-18	255 392		32	Receiving cam E10 E12	251 997
10	Pressure strip E10-14	255 540		33	Knitting raising cam without split E10 E12	254 334
11	Cam guide E10-18	255 525			Knitting raising cam with split E10 E12	254 335
12	Cam guide E10-18	255 541		39	Cam on the right E10-18	251 880
13	Cam on the left E10-18	255 613		40	Knitting position cam E10-14 E6.2 E7.2	255 022
14	Cam on the right E10-18	255 614		41	Knitting position cam on the right E10-E14 E6.2 E7.2	255 023
15	Limit cam on the left E10-18	251 886		42	Limit cam E10-18	251 882
16	Limit cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	251 879		49	Limit cam E10-18	251 885
18	Cam E10-18	251 881		50	Transfer pressure part	253 838
19	Selector cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selector cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selector cam E10-18	251 875		501	Cap screw M4X6	020 089
24	Tuck pressure part	253 828		510	Cap screw M3x8	020 081



5.14 Cam box E12

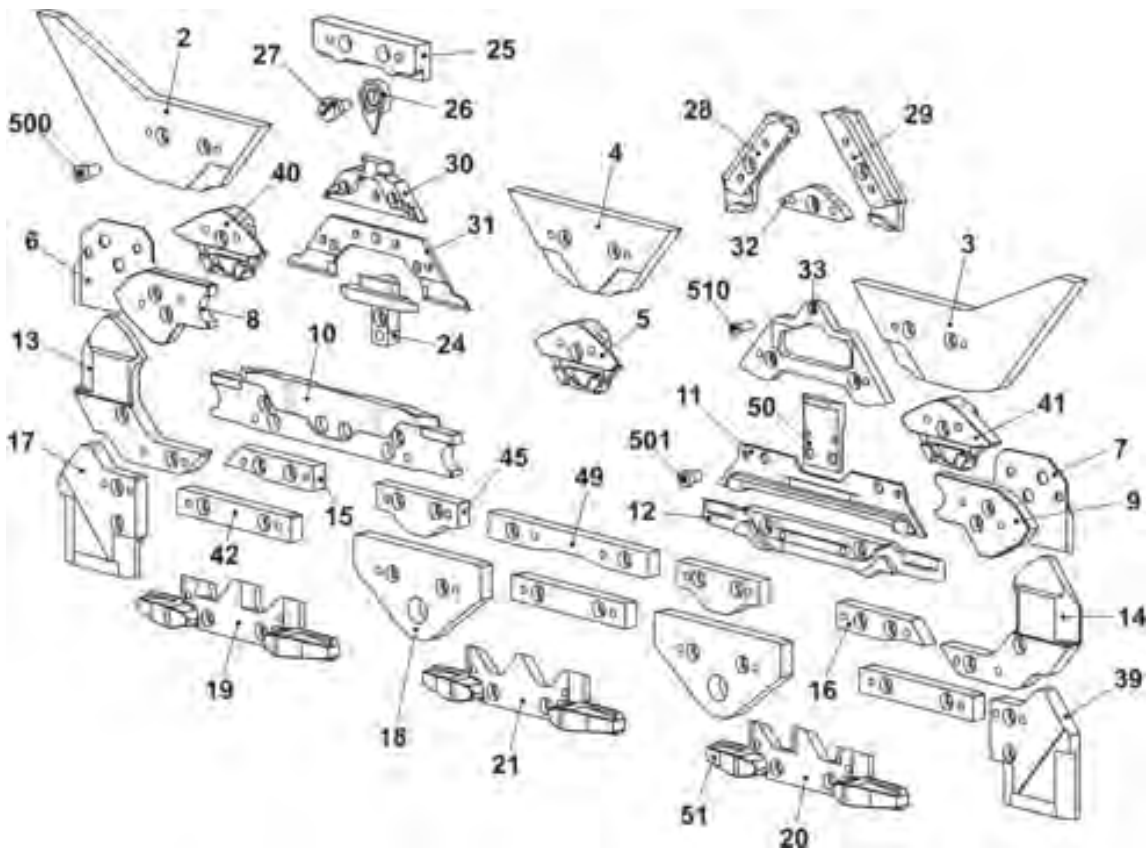
5.14 Cam box E12

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E12	256 851			
1	Cam plate E10-18	251 952	38	Slider pressure part complete	251 834
22	Stay bolt	254 839	43	Holding piece	251 828
23	Guidance pressure part complete	253 480	44	Limit cam complete E10-18	251 889
34	Stitch forming cam on the left complete E12-14	254 248	46	Intermediate cam E10-18	255 051
35	Stitch forming cam on the right complete E12-14	254 249	47	Intermediate cam on the right E10-18	255 053
36	Rod guide on the left complete	252 662	48	Intermediate cam n the left E10-18	255 052
37	Rod guide on the right complete	252 663	505	Shim 0,03x12x75	022 828
a	Rod guidance part	252 660	506	Shim 0,05x12x75	022 829
b	Spring rod	252 661	507	Shim 0.1x12x75	022 830
c	Compression spring	252 872	508	Shim 0,05x12x75	022 831
d	Circlip	023 565			
E	U-washer	020 877			



5.14.1 Cams E12

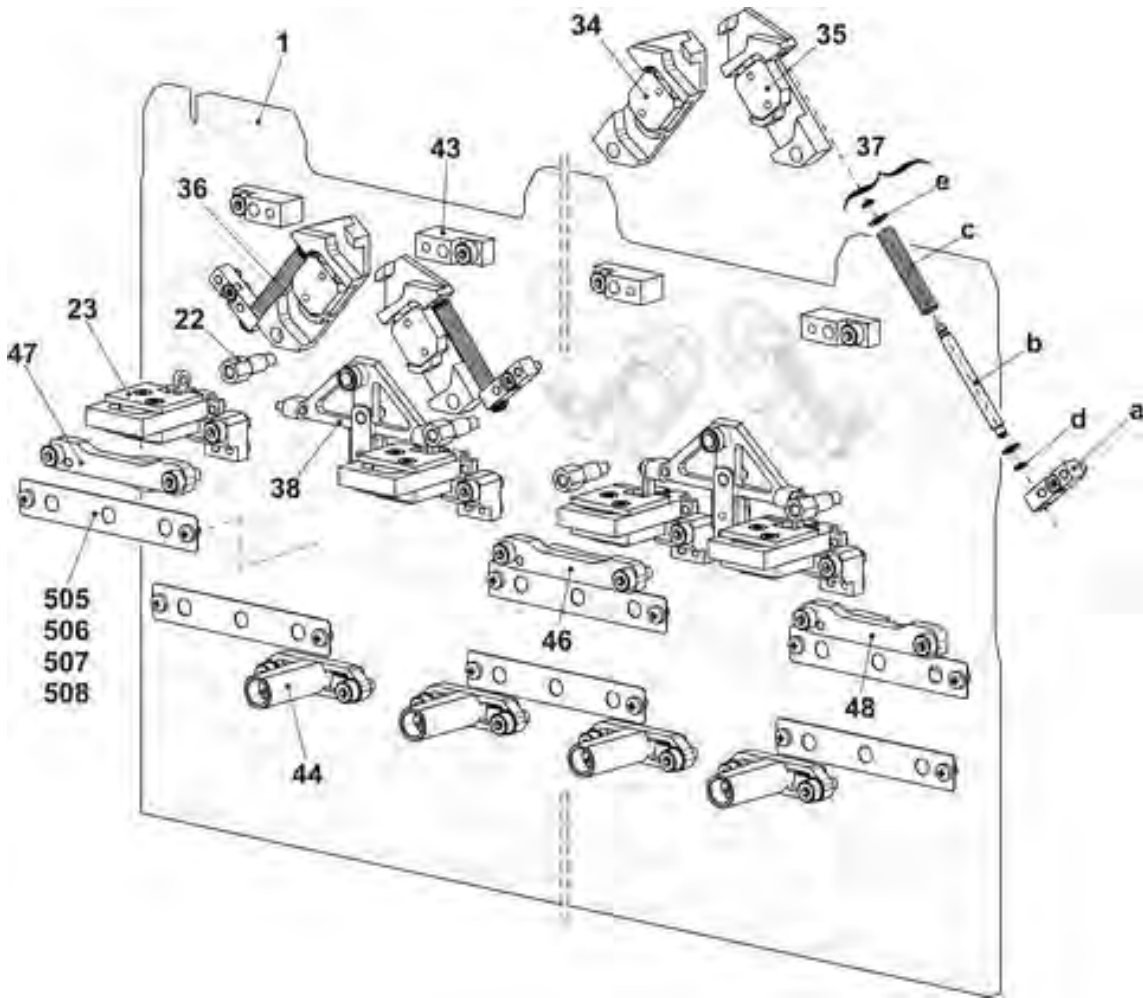
Pos	Designation	Ident No.		Pos	Designation	Ident No.
2	Entry cam on the left at the top E10-18	256 690		25	Limit cam E12-14	252 522
3	Entry cam on the right at the top E10-18	256 691		26	Pointer E10	251 994
4	Entry cam at the top E10-18	256 689		27	Screw	210 335
5	Knitting position cam E10-E14 E6.2 E7.2	255 021		28	Stitch cam on the left E10-14 E7.2	254 331
6	Plate on the left E10-18	255 389		29	Stitch cam on the right E10-14 E7.2	254 332
7	Plate on the right E10-18	255 390		30	Tuck limit cam E12-14	254 298
8	Entry cam on the left E10-18	255 391		31	Raising cam plate E10-18	251 992
9	Entry cam on the right E10-18	255 392		32	Receiving cam E10 E12	251 997
10	Pressure strip E10-14	255 540		33	Knitting raising cam without split E10 E12	254 334
11	Cam guide E10-18	255 525			Knitting raising cam with split E10 E12	254 335
12	Cam guide E10-18	255 541		39	Cam on the right E10-18	251 880
13	Cam on the left E10-18	255 613		40	Knitting position cam E10-14 E6.2 E7.2	255 022
14	Cam on the right E10-18	255 614		41	Knitting position cam on the right E10-E14 E6.2 E7.2	255 023
15	Limit cam on the left E10-18	251 886		42	Limit cam E10-18	251 882
16	Limit cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	251 879		49	Limit cam E10-18	251 885
18	Cam E10-18	251 881		50	Transfer pressure part	253 838
19	Selector cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selector cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selector cam E10-18	251 875		501	Cap screw M4X6	020 089
24	Tuck pressure part	253 828		510	Cap screw M3x8	020 081



5.15 Cam box E14

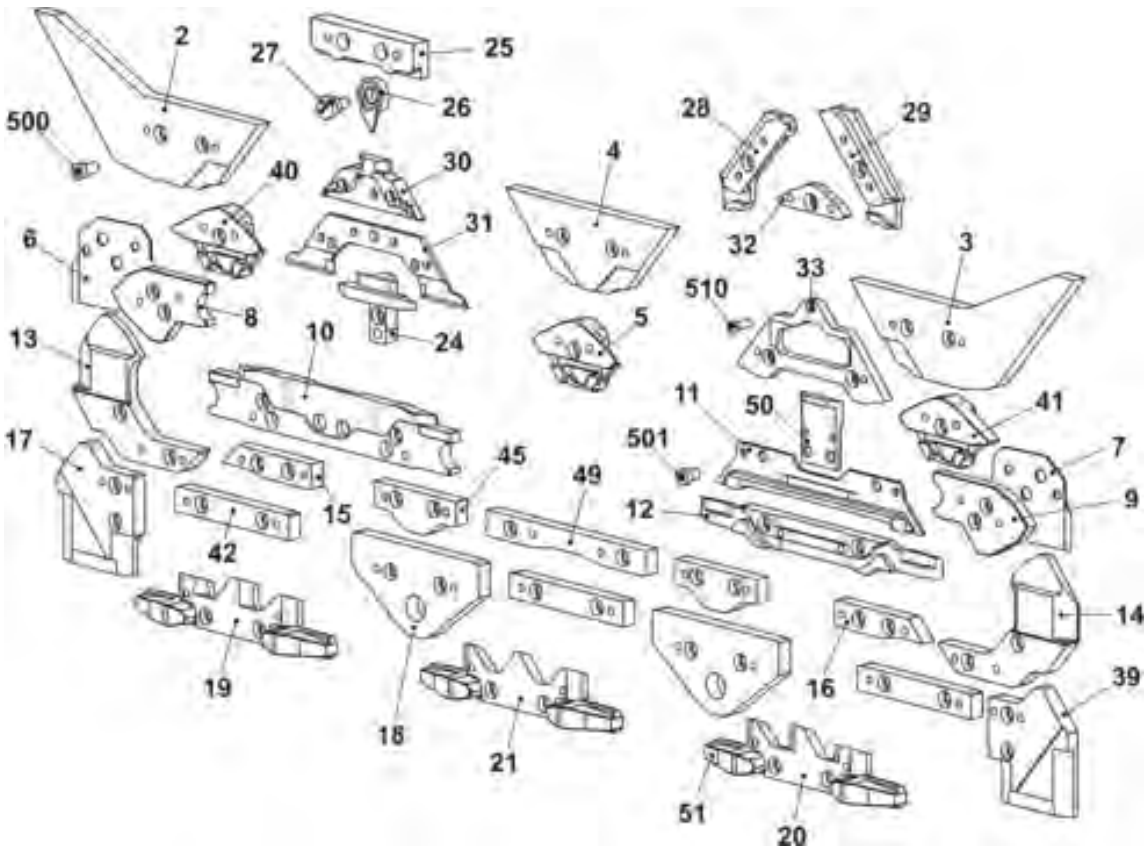
5.15 Cam box E14

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E14	256 852			
1	Cam plate E10-18	251 952	38	Slider pressure part complete	251 834
22	Stay bolt	254 839	43	Holding piece	251 828
23	Guidance pressure part complete	253 480	44	Limit cam complete E10-18	251 889
34	Stitch forming cam on the left complete E12-14	254 248	46	Intermediate cam E10-18	255 051
35	Stitch forming cam on the right complete E12-14	254 249	47	Intermediate cam on the right E10-18	255 053
36	Rod guide on the left complete	252 662	48	Intermediate cam n the left E10-18	255 052
37	Rod guide on the right complete	252 663	505	Shim 0,03x12x75	022 828
a	Rod guidance part	252 660	506	Shim 0,05x12x75	022 829
b	Spring rod	252 661	507	Shim 0.1x12x75	022 830
c	Compression spring	252 872	508	Shim 0,05x12x75	022 831
d	Circlip	023 565			
E	U-washer	020 877			



5.15.1 Cams E14

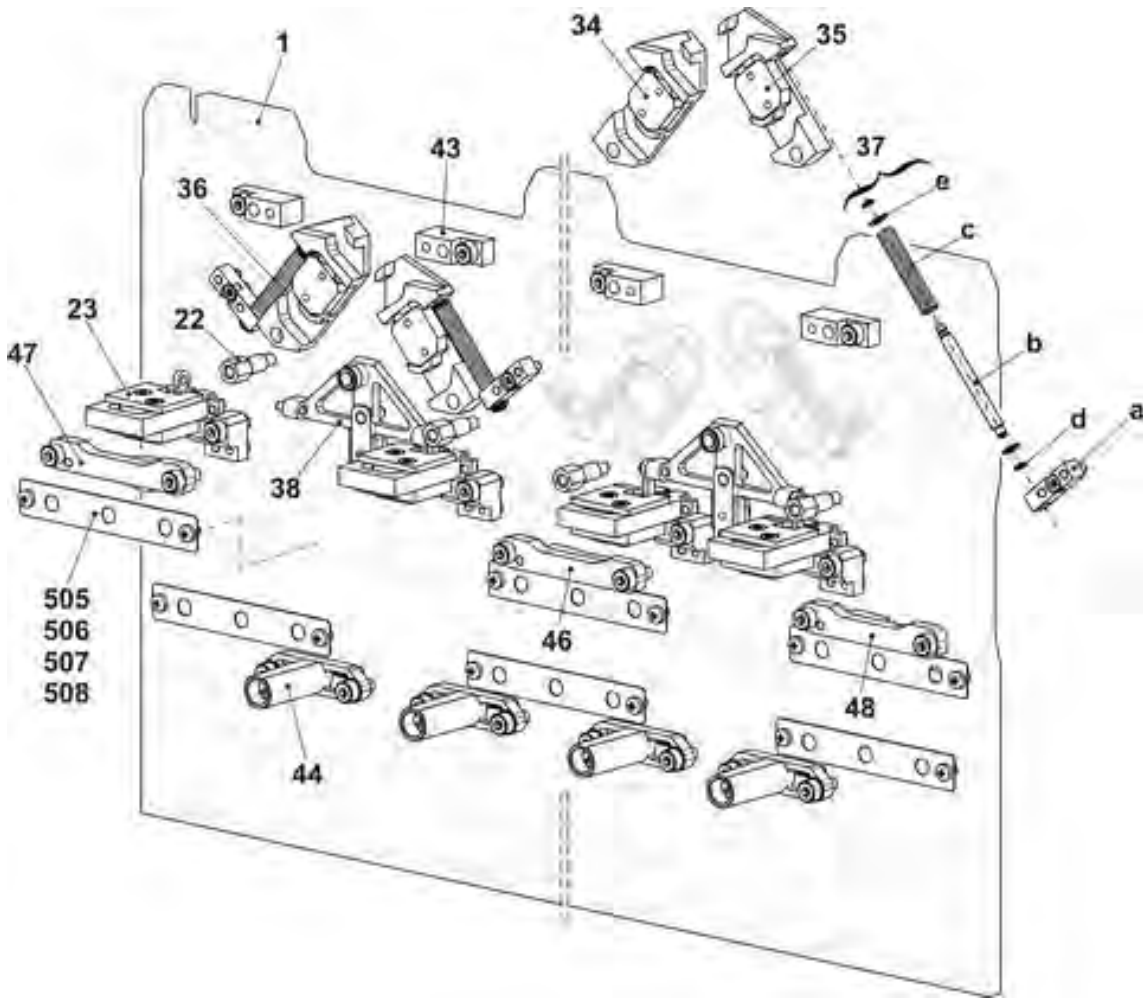
Pos	Designation	Ident No.		Pos	Designation	Ident No.
2	Entry cam on the left at the top E10-18	256 690		25	Limit cam E12-14	252 522
3	Entry cam on the right at the top E10-18	256 691		26	Pointer E10	251 994
4	Entry cam at the top E10-18	256 689		27	Screw	210 335
5	Knitting position cam E10-E14 E6.2 E7.2	255 021		28	Stitch cam on the left E10-14 E7.2	254 331
6	Plate on the left E10-18	255 389		29	Stitch cam on the right E10-14 E7.2	254 332
7	Plate on the right E10-18	255 390		30	Tuck limit cam E12 E14	254 298
8	Entry cam on the left E10-18	255 391		31	Raising cam plate E10-18	251 992
9	Entry cam on the right E10-18	255 392		32	Receiving cam E14	252 607
10	Pressure strip E10-14	255 540		33	Knitting raising cam without split E14	254 336
11	Cam guide E10-18	255 525			Knitting raising cam with split E14	254 337
12	Cam guide E10-18	255 541		39	Cam on the right E10-18	251 880
13	Cam on the left E10-18	255 613		40	Knitting position cam E10-14 E6.2 E7.2	255 022
14	Cam on the right E10-18	255 614		41	Knitting position cam on the right E10-E14 E6.2 E7.2	255 023
15	Limit cam on the left E10-18	251 886		42	Limit cam E10-18	251 882
16	Limit cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	251 879		49	Limit cam E10-18	251 885
18	Cam E10-18	251 881		50	Transfer pressure part	253 838
19	Selector cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selector cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selector cam E10-18	251 875		501	Cap screw M4X6	020 089
24	Tuck pressure part	253 828		510	Cap screw M3x8	020 081



5.16 Cam box E16

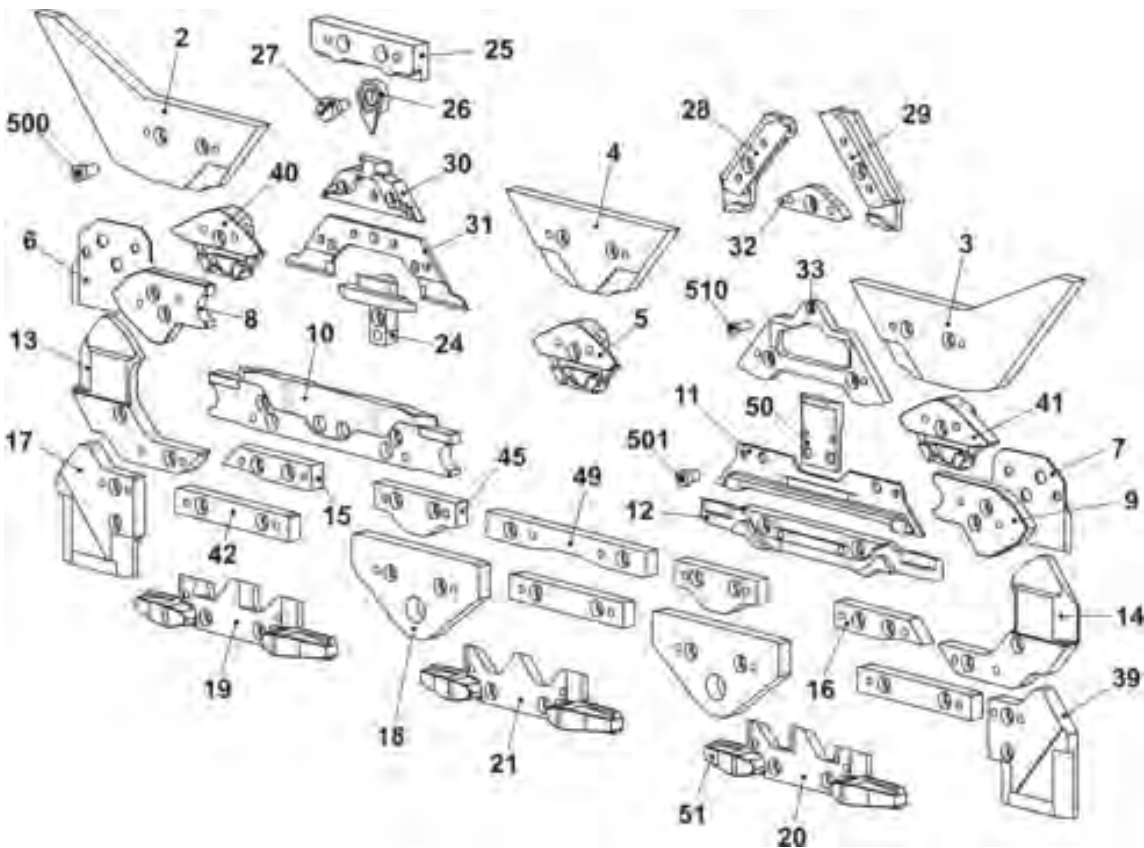
5.16 Cam box E16

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E16	256 853			
1	Cam plate E10-18	251 952	38	Slider pressure part complete	251 834
22	Stay bolt	254 839	43	Holding piece	251 828
23	Guidance pressure part complete	253 480	44	Limit cam complete E10-18	251 889
34	Loop sinking cam on the left complete E16-18	251 965	46	Intermediate cam E10-18	255 051
35	Stitch forming cam on the right complete E16-18	251 966	47	Intermediate cam on the right E10-18	255 053
36	Rod guide on the left complete	252 662	48	Intermediate cam n the left E10-18	255 052
37	Rod guide on the right complete	252 663	505	Shim 0,03x12x75	022 828
a	Rod guidance part	252 660	506	Shim 0,05x12x75	022 829
b	Spring rod	252 661	507	Shim 0.1x12x75	022 830
c	Compression spring	252 872	508	Shim 0,05x12x75	022 831
d	Circlip	023 565			
E	U-washer	020 877			



5.16.1 Cams E16

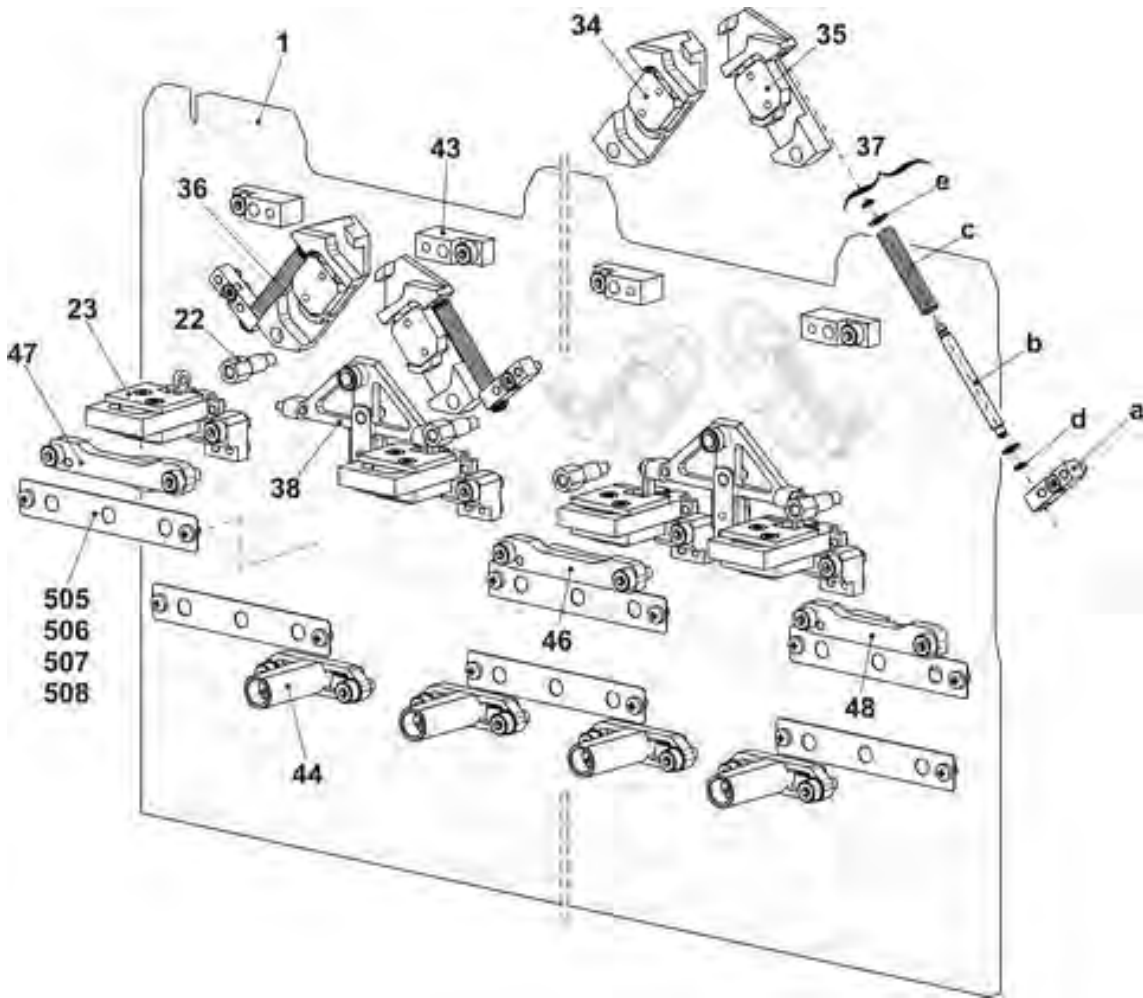
Pos	Designation	Ident No.		Pos	Designation	Ident No.
2	Entry cam on the left at the top E10-18	256 690		25	Limit cam E16-18	252 646
3	Entry cam on the right at the top E10-18	256 691		26	Pointer E16-18	252 656
4	Entry cam at the top E10-18	256 689		27	Screw	210 335
5	Knitting position cam E16 E18 E8.2	255 027		28	Stitch cam on the left E16-18 E8.2	254 338
6	Plate on the left E10-18	255 389		29	Stitch cam on the right E16-18 E8.2	254 339
7	Plate on the right E10-18	255 390		30	Tuck limit cam E16-18	254 299
8	Entry cam on the left E10-18	255 391		31	Raising cam plate E10-18	251 992
9	Entry cam on the right E10-18	255 392		32	Receiving cam E16-18	252 654
10	Pressure strip E16-18	256 681		33	Knitting raising cam without split E16-18	254 340
11	Cam guide E10-18	255 525			Knitting raising cam with split E16-18	254 341
12	Cam guide E10-18	255 541		39	Cam on the right E10-18	251 880
13	Cam on the left E10-18	255 613		40	Knitting position cam left E16-18 E8.2	255 028
14	Cam on the right E10-18	255 614		41	Knitting position cam on the right E16-18 E8.2	255 029
15	Limit cam on the left E10-18	251 886		42	Limit cam E10-18	251 882
16	Limit cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	251 879		49	Limit cam E10-18	251 885
18	Cam E10-18	251 881		50	Transfer pressure part	253 838
19	Selector cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selector cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selector cam E10-18	251 875		501	Cap screw M4X6	020 089
24	Tuck pressure part	253 828		510	Cap screw M3x8	020 081



5.17 Cam box E12m.10

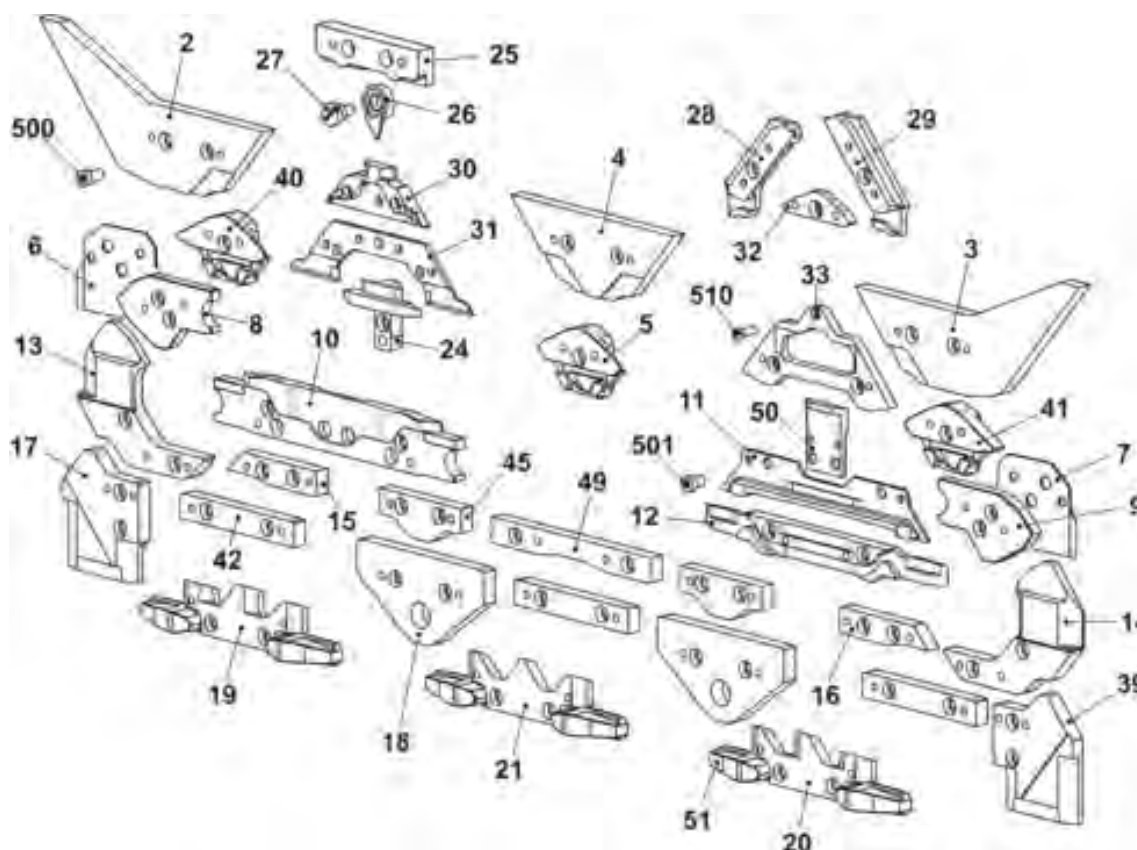
5.17 Cam box E12m.10

Pos	Designation		Id	Pos	Designation		Id
Σ	Cam box set complete E12m.10		256 854				
1	Cam plate E10-18		251 952	38	Slider pressure part complete		251 834
22	Stay bolt		254 839	43	Holding piece		251 828
23	Guidance pressure part complete		253 480	44	Limit cam complete E10-18		251 889
34	Stitch forming cam on the left complete E12-14		254 248	46	Intermediate cam E10-18		255 051
35	Stitch forming cam on the right complete E12-14		254 249	47	Intermediate cam on the right E10-18		255 053
36	Rod guide on the left complete		252 662	48	Intermediate cam n the left E10-18		255 052
37	Rod guide on the right complete		252 663	505	Shim 0,03x12x75		022 828
a	Rod guidance part		252 660	506	Shim 0,05x12x75		022 829
b	Spring rod		252 661	507	Shim 0.1x12x75		022 830
c	Compression spring		252 872	508	Shim 0,05x12x75		022 831
d	Circlip		023 565				
E	U-washer		020 877				



5.17.1 Cams E12m.10

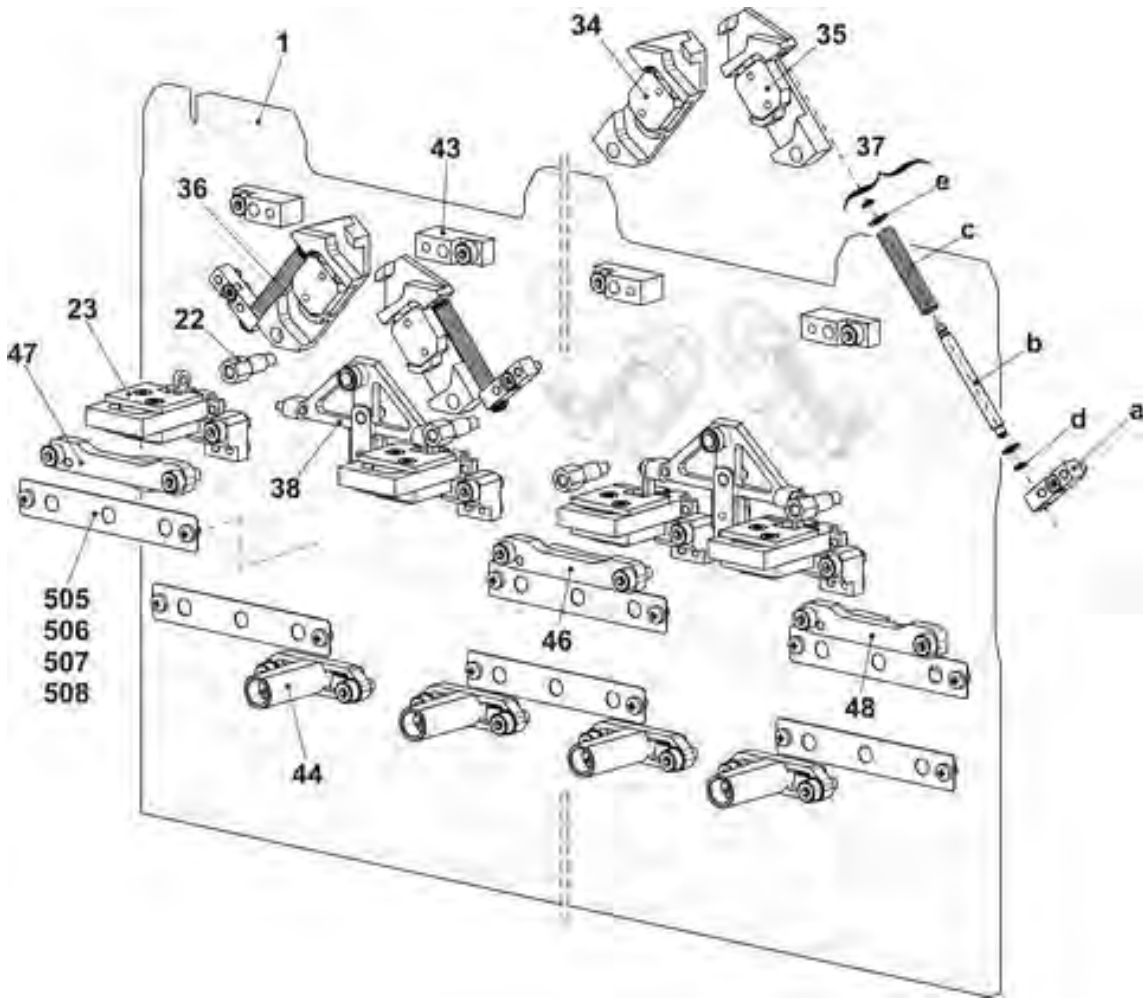
Pos	Designation	Ident No.		Pos	Designation	Ident No.
2	Entry cam on the left at the top E10-18	256 690		25	Limit cam E10 E7.2	251 993
3	Entry cam on the right at the top E10-18	256 691		26	Pointer E10	251 994
4	Entry cam at the top E10-18	256 689		27	Screw	210 335
5	Knitting position cam E10-E14 E6.2 E7.2	255 021		28	Stitch cam on the left E10-14 E7.2	254 331
6	Plate on the left E10-18	255 389		29	Stitch cam on the right E10-14 E7.2	254 332
7	Plate on the right E10-18	255 390		30	Tuck limit cam E10 E7.2	254 295
8	Entry cam on the left E10-18	255 391		31	Raising cam plate E10-18	251 992
9	Entry cam on the right E10-18	255 392		32	Receiving cam E10-12	251 997
10	Pressure strip E10-14	255 540		33	Knitting raising cam without split E10-12	254 334
11	Cam guide E10-18	255 525			Knitting raising cam with split E10-12	254 335
12	Cam guide E10-18	255 541		39	Cam on the right E10-18	251 880
13	Cam on the left E10-18	255 613		40	Knitting position cam E10-14 E6.2 E7.2	255 022
14	Cam on the right E10-18	255 614		41	Knitting position cam on the right E10-E14 E6.2 E7.2	255 023
15	Limit cam on the left E10-18	251 886		42	Limit cam E10-18	251 882
16	Limit cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	251 879		49	Limit cam E10-18	251 885
18	Cam E10-18	251 881		50	Transfer pressure part	253 838
19	Selector cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selector cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selector cam E10-18	251 875		501	Cap screw M4X6	020 089
24	Tuck pressure part	253 828		510	Cap screw M3x8	020 081



5.18 Cam box E6.2

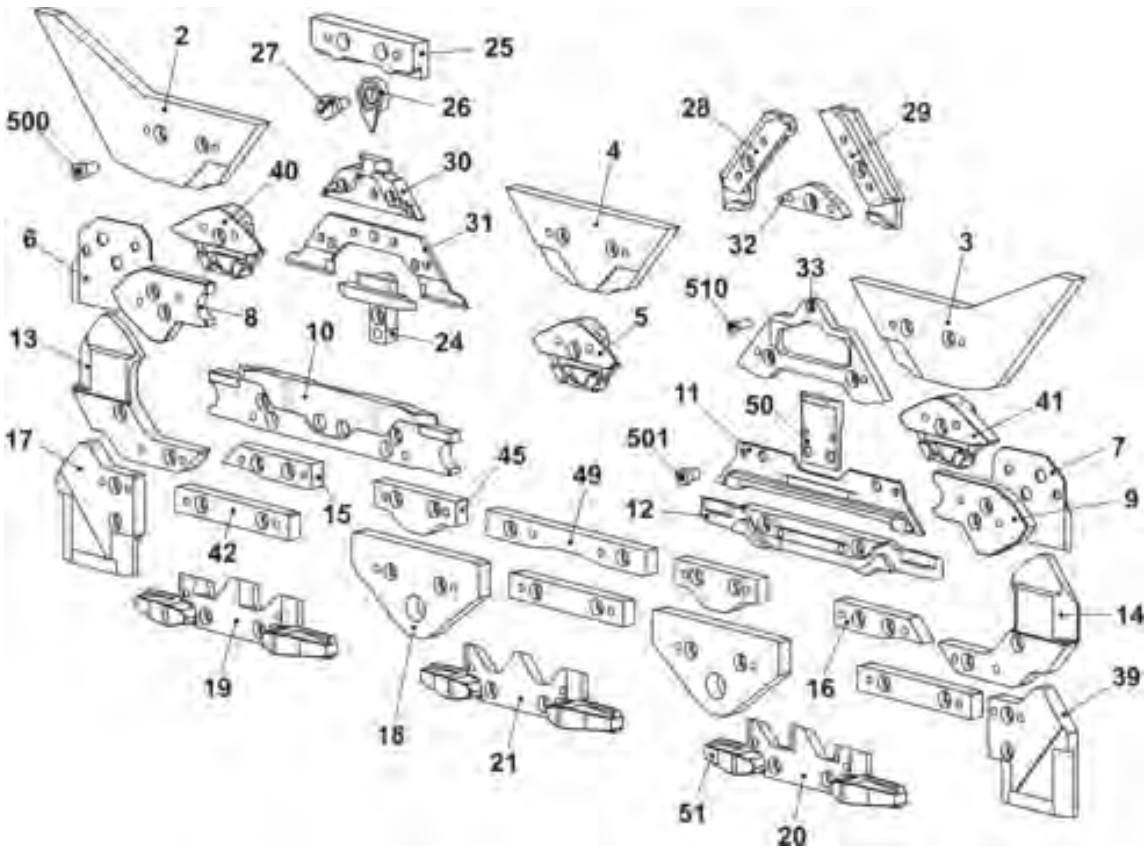
5.18 Cam box E6.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E6.2	256 855			
1	Cam plate E10-18	251 952	38	Slider pressure part complete	251 834
22	Stay bolt	254 839	43	Holding piece	251 828
23	Guidance pressure part complete	253 480	44	Limit cam complete E10-18	251 889
34	Stitch forming cam on the left complete E12-14	254 248	46	Intermediate cam E10-18	255 051
35	Stitch forming cam on the right complete E12-14	254 249	47	Intermediate cam on the right E10-18	255 053
36	Rod guide on the left complete	252 662	48	Intermediate cam n the left E10-18	255 052
37	Rod guide on the right complete	252 663	505	Shim 0,03x12x75	022 828
a	Rod guidance part	252 660	506	Shim 0,05x12x75	022 829
b	Spring rod	252 661	507	Shim 0.1x12x75	022 830
c	Compression spring	252 872	508	Shim 0,05x12x75	022 831
d	Circlip	023 565			
E	U-washer	020 877			



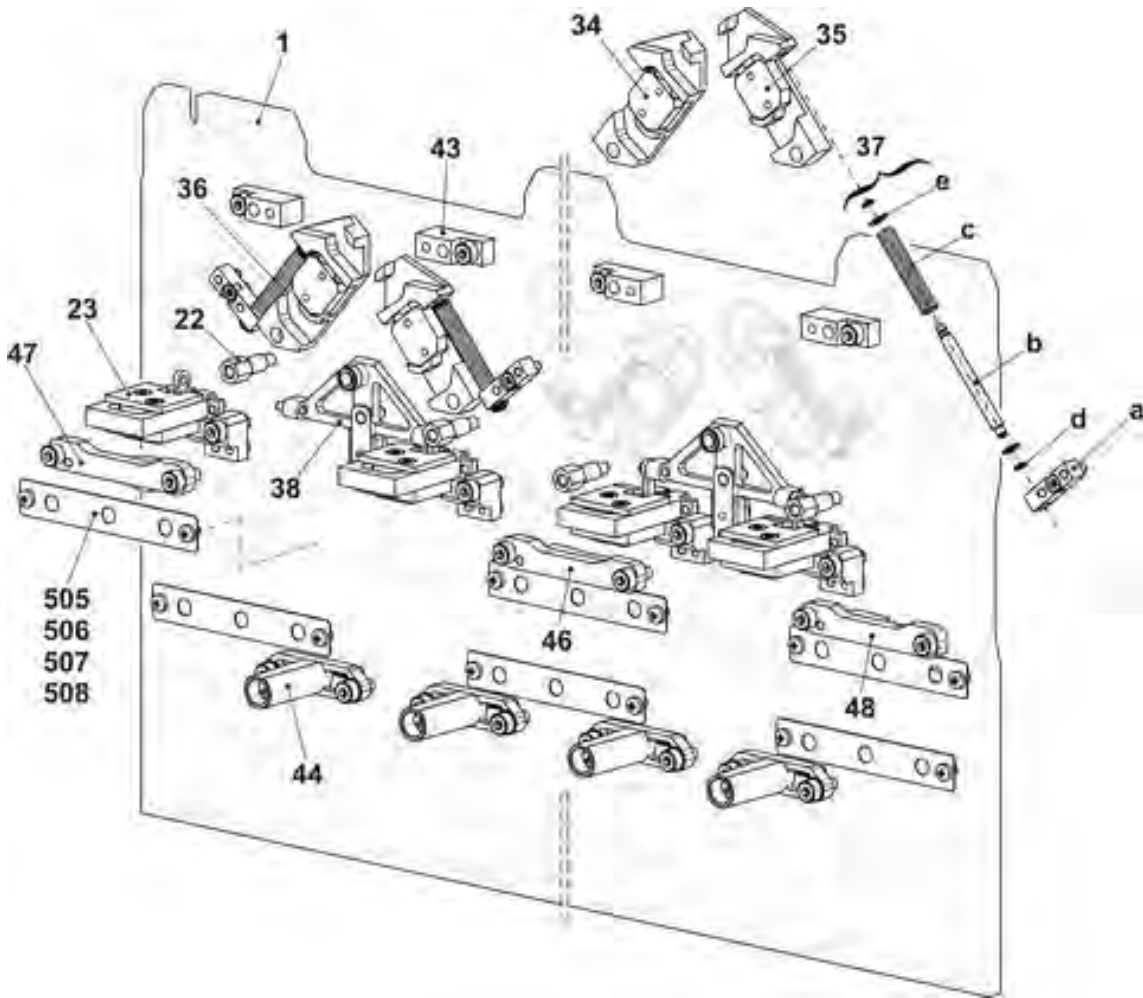
5.18.1 Cams E6.2

Pos	Designation	Id		Pos	Designation	Id
2	Entry cam on the left at the top E10-18	256 690		25	Limit cam E6.2	252 955
3	Entry cam on the right at the top E10-18	256 691		26	Pointer E10	251 994
4	Entry cam at the top E10-18	256 689		27	Screw	210 335
5	Knitting position cam E10-E14 E6.2 E7.2	255 021		28	Stitch cam on the left E6.2	254 342
6	Plate on the left E10-18	255 389		29	Stitch cam on the right E6.2	254 343
7	Plate on the right E10-18	255 390		30	Tuck limit cam E6.2	254 301
8	Entry cam on the left E10-18	255 391		31	Raising cam plate E10-18	251 992
9	Entry cam on the right E10-18	255 392		32	Receiving cam E6.2	252 960
10	Pressure strip E10-14	255 540		33	Knitting raising cam without split E6.2	254 344
11	Cam guide E10-18	255 525			Knitting raising cam with split E6.2	254 345
12	Cam guide E10-18	255 541		39	Cam on the right E10-E18	251 880
13	Cam on the left E10-18	255 613		40	Knitting position cam E10-14 E6.2 E7.2	255 022
14	Cam on the right E10-18	255 614		41	Knitting position cam on the right E10-E14 E6.2 E7.2	255 023
15	Limit cam on the left E10-18	251 886		42	Limit cam E10-18	251 882
16	Limit cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	251 879		49	Limit cam E10-18	251 885
18	Cam E10-18	251 881		50	Transfer pressure part	253 838
19	Selector cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selector cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selector cam E10-18	251 875		501	Cap screw M4X6	020 089
24	Tuck pressure part	253 828		510	Cap screw M3x8	020 081



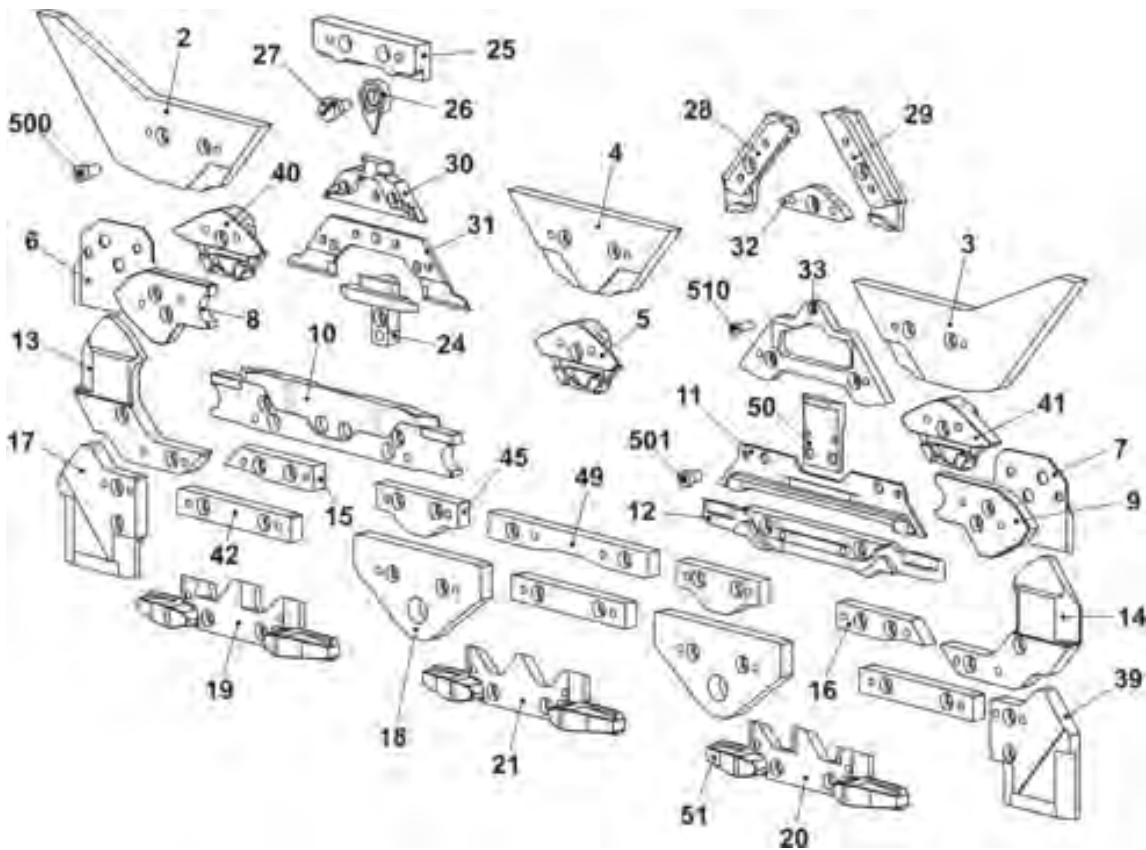
5.19 Cam box E7.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E7.2	255 783			
1	Cam plate E10-18	251 952	38	Slider pressure part complete	251 834
22	Stay bolt	254 839	43	Holding piece	251 828
23	Guidance pressure part complete	253 480	44	Limit cam complete E10-18	251 889
34	Stitch forming cam on the left complete E12-14	254 248	46	Intermediate cam E10-18	255 051
35	Stitch forming cam on the right complete E12-14	254 249	47	Intermediate cam on the right E10-18	255 053
36	Rod guide on the left complete	252 662	48	Intermediate cam n the left E10-18	255 052
37	Rod guide on the right complete	252 663	505	Shim 0,03x12x75	022 828
a	Rod guidance part	252 660	506	Shim 0,05x12x75	022 829
b	Spring rod	252 661	507	Shim 0.1x12x75	022 830
c	Compression spring	252 872	508	Shim 0,05x12x75	022 831
d	Circlip	023 565			
E	U-washer	020 877			



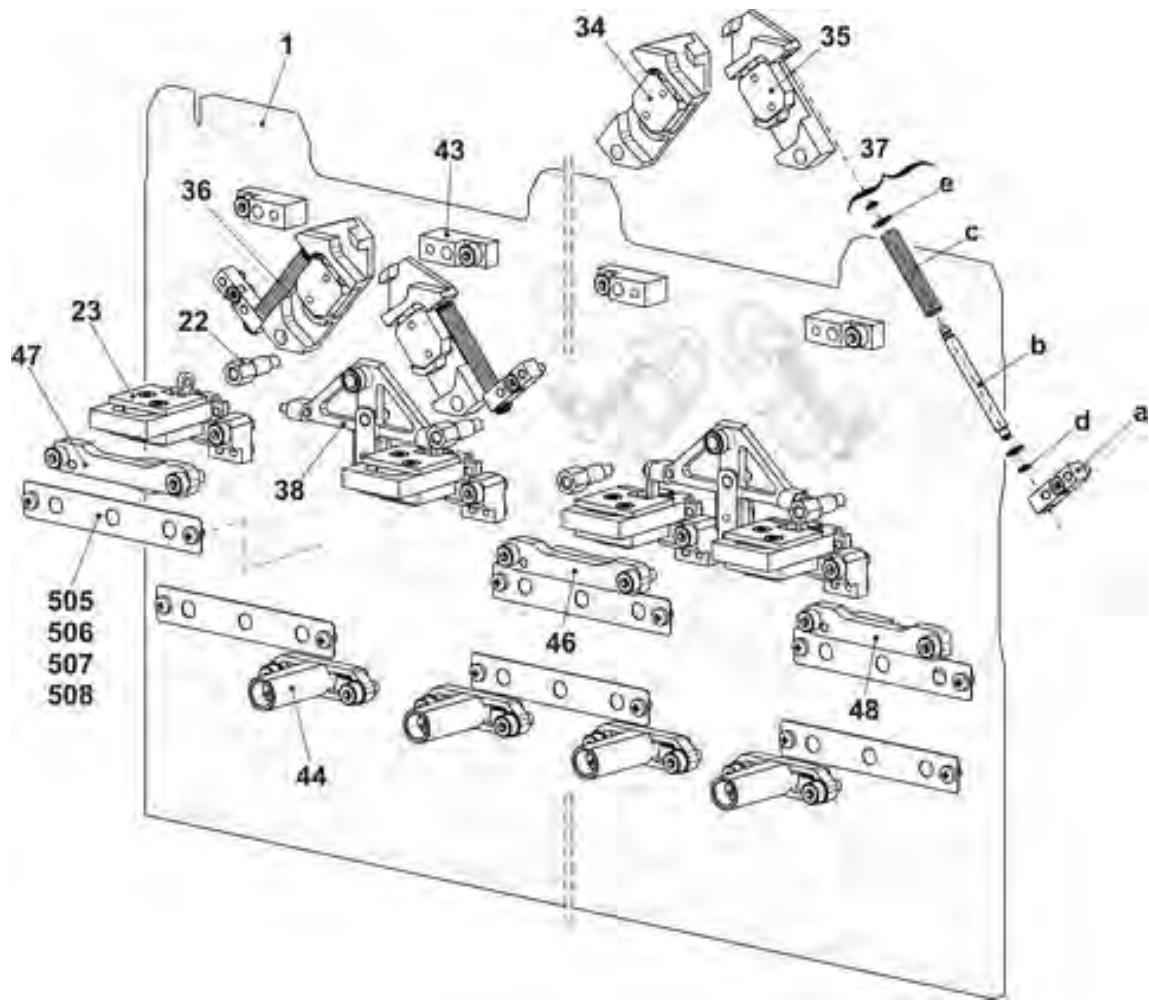
5.19.1 Cams E7.2

Pos	Designation	Ident No.		Pos	Designation	Ident No.
2	Entry cam on the left at the top E10-18	256 690		25	Limit cam E10 E7.2	251 993
3	Entry cam on the right at the top E10-18	256 691		26	Pointer E10	251 994
4	Entry cam at the top E10-18	256 689		27	Screw	210 335
5	Knitting position cam E10-E14 E6.2 E7.2	255 021		28	Stitch cam on the left E10-14 E7.2	254 331
6	Plate on the left E10-18	255 389		29	Stitch cam on the right E10-14 E7.2	254 332
7	Plate on the right E10-18	255 390		30	Tuck limit cam E10 E7.2	254 295
8	Entry cam on the left E10-18	255 391		31	Raising cam plate E10-18	251 992
9	Entry cam on the right E10-18	255 392		32	Receiving cam E10-12	251 997
10	Pressure strip E10-14	255 540		33	Knitting raising cam without split E10-12	254 334
11	Cam guide E10-18	255 525			Knitting raising cam with split E10-12	254 335
12	Cam guide E10-18	255 541		39	Cam on the right E10-18	251 880
13	Cam on the left E10-18	255 613		40	Knitting position cam E10-14 E6.2 E7.2	255 022
14	Cam on the right E10-18	255 614		41	Knitting position cam on the right E10-E14 E6.2 E7.2	255 023
15	Limit cam on the left E10-18	251 886		42	Limit cam E10-18	251 882
16	Limit cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	251 879		49	Limit cam E10-18	251 885
18	Cam E10-18	251 881		50	Transfer pressure part	253 838
19	Selector cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selector cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selector cam E10-18	251 875		501	Cap screw M4X6	020 089
24	Tuck pressure part	253 828		510	Cap screw M3x8	020 081



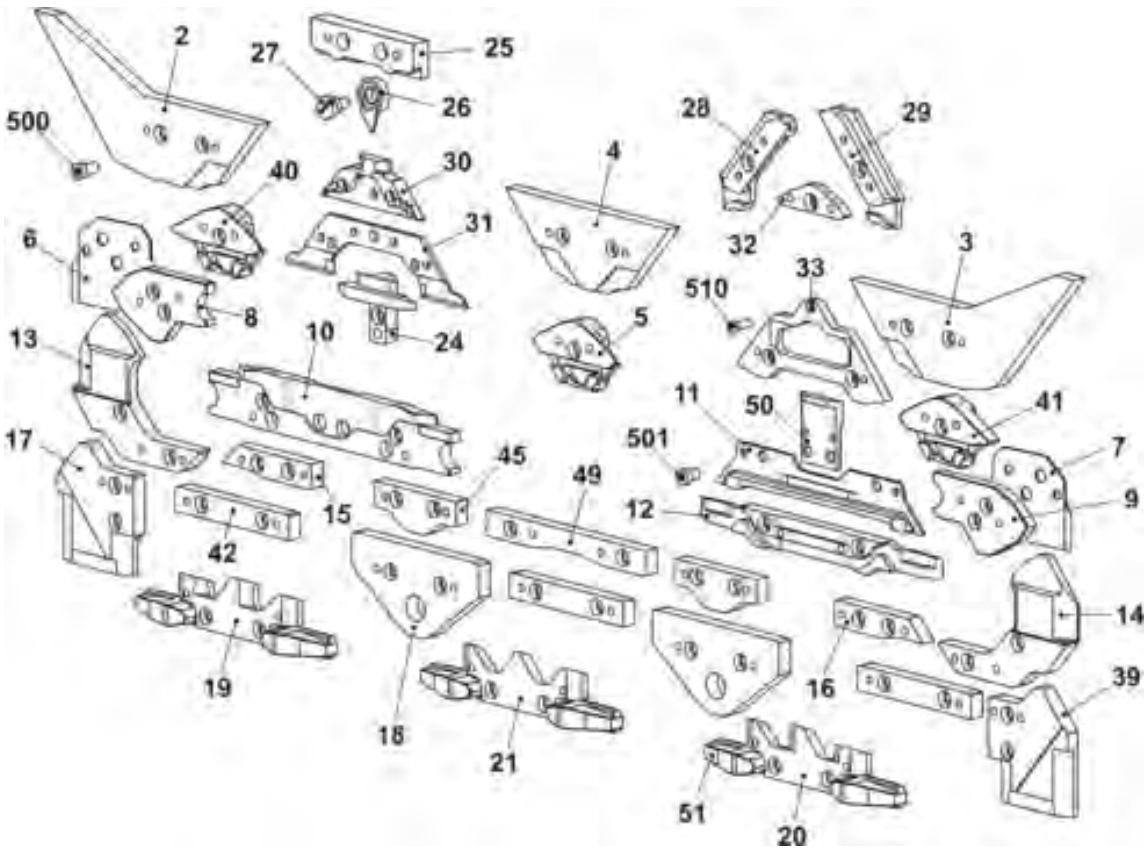
5.20 Cam box E8.2

Pos	Designation	Id	Pos	Designation	Id
Σ	Cam box set complete E8.2	256 856			
1	Cam plate E10-18	251 952	38	Slider pressure part complete	251 834
22	Stay bolt	254 839	43	Holding piece	251 828
23	Guidance pressure part complete	253 480	44	Limit cam complete E10-18	251 889
34	Loop sinking cam on the left complete E16-18	251 965	46	Intermediate cam E10-18	255 051
35	Stitch forming cam on the right complete E16-18	251 966	47	Intermediate cam on the right E10-18	255 053
36	Rod guide on the left complete	252 662	48	Intermediate cam n the left E10-18	255 052
37	Rod guide on the right complete	252 663	505	Shim 0,03x12x75	022 828
a	Rod guidance part	252 660	506	Shim 0,05x12x75	022 829
b	Spring rod	252 661	507	Shim 0.1x12x75	022 830
c	Compression spring	252 872	508	Shim 0,05x12x75	022 831
d	Circlip	023 565			
E	U-washer	020 877			



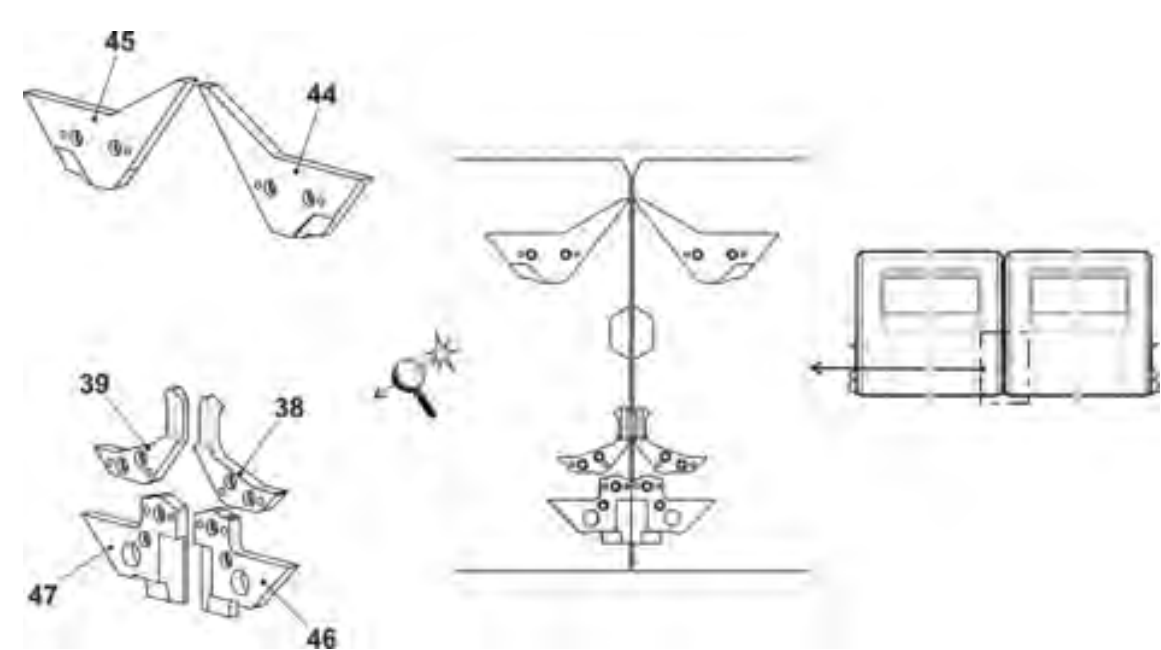
5.20.1 Cams E8.2

Pos	Designation	Ident No.		Pos	Designation	Ident No.
2	Entry cam on the left at the top E10-18	256 690		25	Limit cam E8.2	252 974
3	Entry cam on the right at the top E10-18	256 691		26	Pointer E16-18	252 656
4	Entry cam at the top E10-18	256 689		27	Screw	210 335
5	Knitting position cam E16 E18 E8.2	255 027		28	Stitch cam on the left E16-18 E8.2	254 338
6	Plate on the left E10-18	255 389		29	Stitch cam on the right E16-18 E8.2	254 339
7	Plate on the right E10-18	255 390		30	Tuck limit cam E8.2	254 302
8	Entry cam on the left E10-18	255 391		31	Raising cam plate E10-18	251 992
9	Entry cam on the right E10-18	255 392		32	Receiving cam E8.2	252 975
10	Pressure strip E16-18	256 681		33	Knitting raising cam without split E16-18	254 340
11	Cam guide E10-18	255 525			Knitting raising cam with split E16-18	254 341
12	Cam guide E10-18	255 541		39	Cam on the right E10-18	251 880
13	Cam on the left E10-18	255 613		40	Knitting position cam left E16-18 E8.2	255 028
14	Cam on the right E10-18	255 614		41	Knitting position cam on the right E16-18 E8.2	255 029
15	Limit cam on the left E10-18	251 886		42	Limit cam E10-18	251 882
16	Limit cam on the right E10-18	251 887		45	Cam E10-18	251 888
17	Cam on the left E10-18	251 879		49	Limit cam E10-18	251 885
18	Cam E10-18	251 881		50	Transfer pressure part	253 838
19	Selector cam on the left E10-18	251 876		51	Offering cam	210 185
20	Selector cam on the right E10-18	251 877		500	Cap screw M4x8	020 091
21	Selector cam E10-18	251 875		501	Cap screw M4X6	020 089
24	Tuck pressure part	253 828		510	Cap screw M3x8	020 081

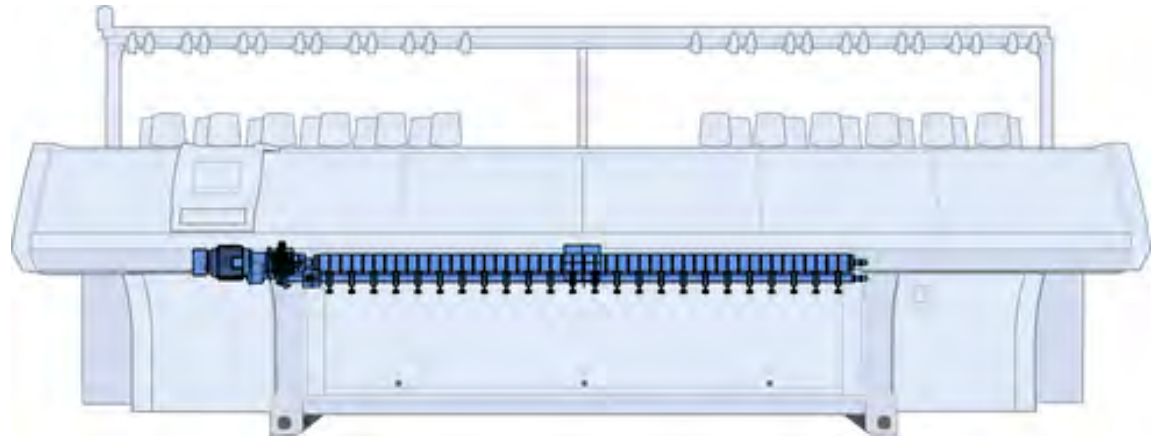


5.21 Cams for narrow coupling E10 | E12 | E14 | E16 | E12m.10 | E6.2 | E7.2 | E8.2

Pos	Designation	Ident No.		Pos	Designation	Ident No.
38	Cam on the left E10-18	252 002		45	Entry cam on the right at the top E10-18	256 697
39	Cam on the right E10-18	252 003		46	Cam on the left E10-18	252 004
44	Entry cam on the left at the top E10-18	256 696		47	Cam on the right E10-18	252 005

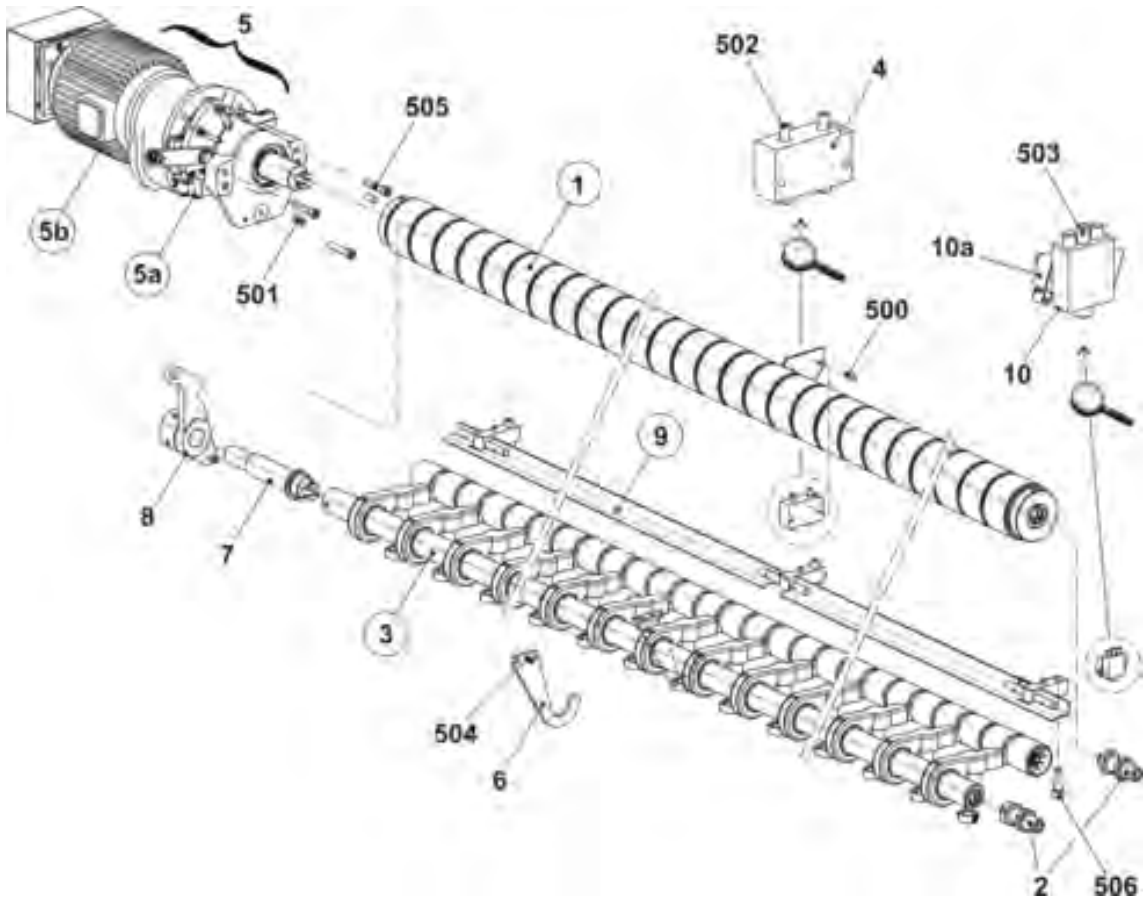


6 Main take-down



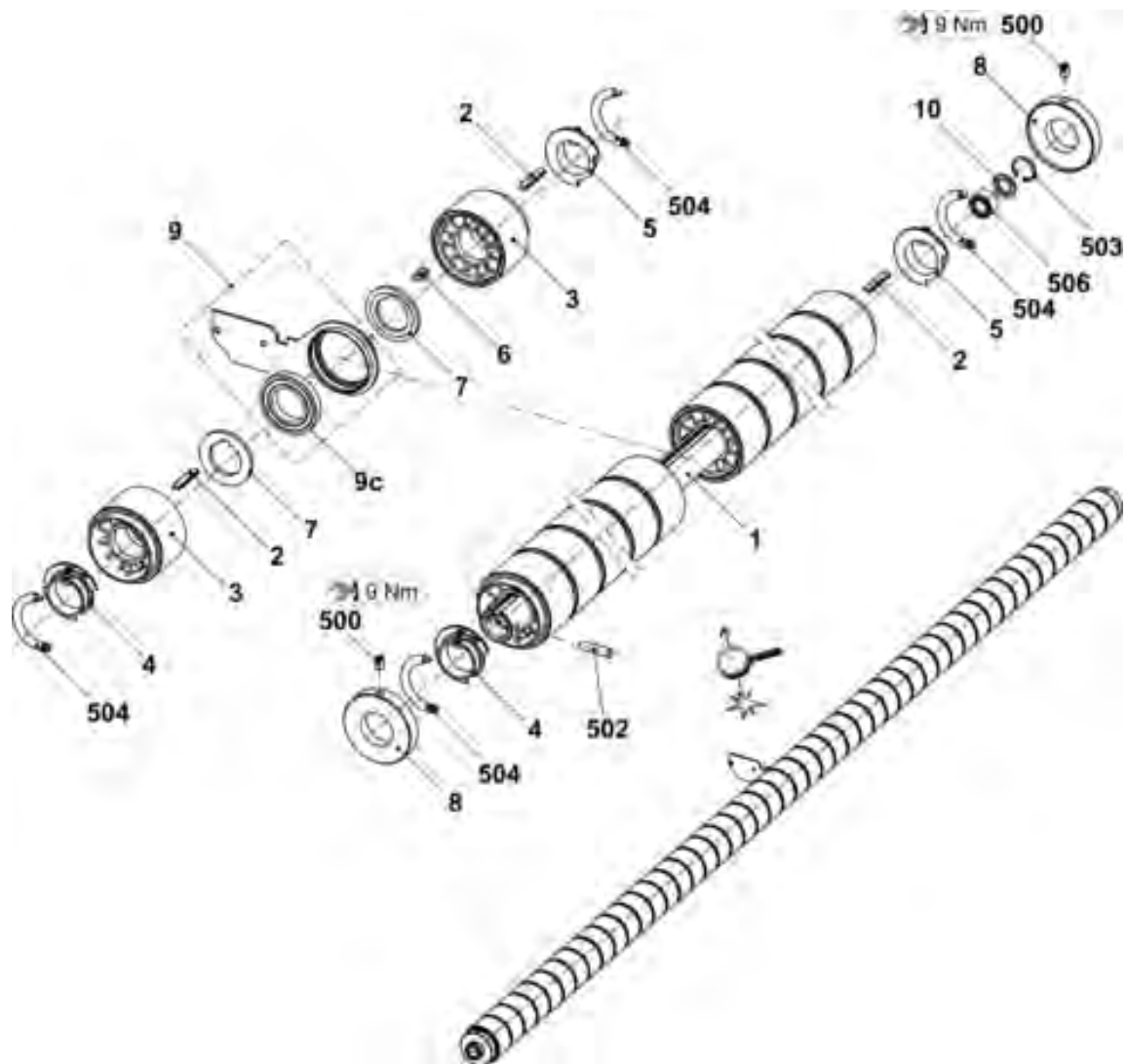
6.1 Main take-down

Pos	Designation	Id	Pos	Designation	Id
Σ	Main take-down	243 279	9	Fabric stripper	211 207
1	Take-down roller complete	211 170	10	Stop point complete	209 009
2	Journal complete	209 496	10a	Microswitch	026 259
3	Pressure shaft complete	243 265	500	Cap screw M6X12	020 134
4	Bearing	207 692	501	Setting pin 8x20	020 693
5	Take-down unit	244 450	502	Cap screw M6X45	022 689
5a	Take-down gear assembly complete	211 172	503	Cap screw M6x40	020 140
5b	Take-down motor with block	244 449	504	Cap screw M6x20-12.9	020 136
6	Support	243 294	505	Cap screw M8x40	020 145
7	Shaft complete	211 173	506	Cap screw M10x30	020 158
8	Lever complete	211 210			



6.1.1 Take-down roller

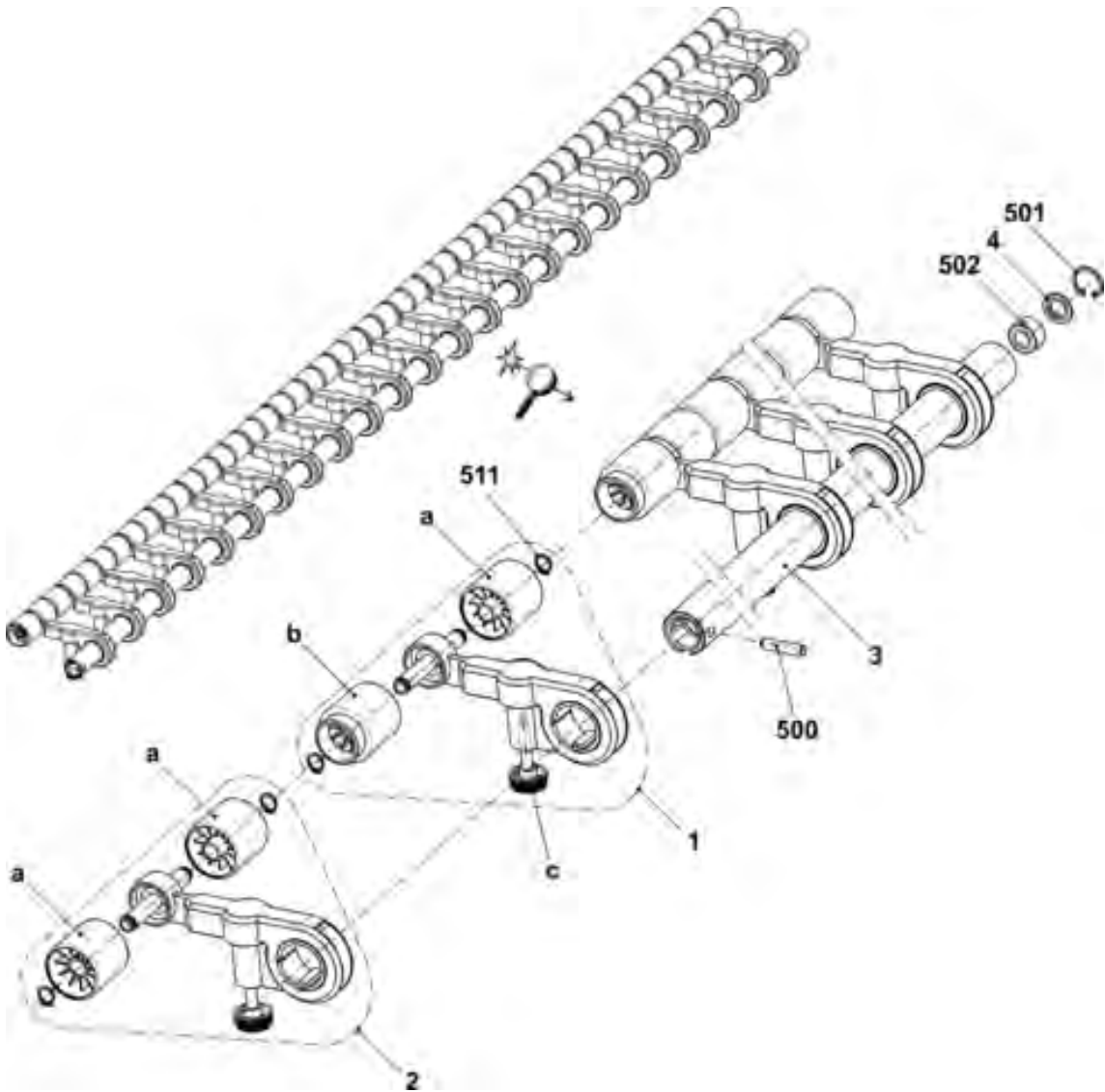
Pos	Designation	Id		Pos	Designation	Id	
Σ	Take-down roller complete	211 170					
1	Shaft	211 111		9	Support		204 462
2	Spacer slide	204 340			9c	Grooved ball bearing 16007	021 697
3	Roller	236 169		10	Spacing ring		030 689
4	Stop ring on the left	204 369		500	Grub screw M8x12-45H		023 393
5	Stop ring on the right	204 376		502	Setting pin 8x34		020 699
6	Slide	204 341		503	Locking ring 24x1.2		020 975
7	Spacing ring	204 343		504	Tension spring 8x0,95x65		023 231
8	End ring	211 110		506	Needle roller bearing NA4901		021 746



6.1 Main take-down

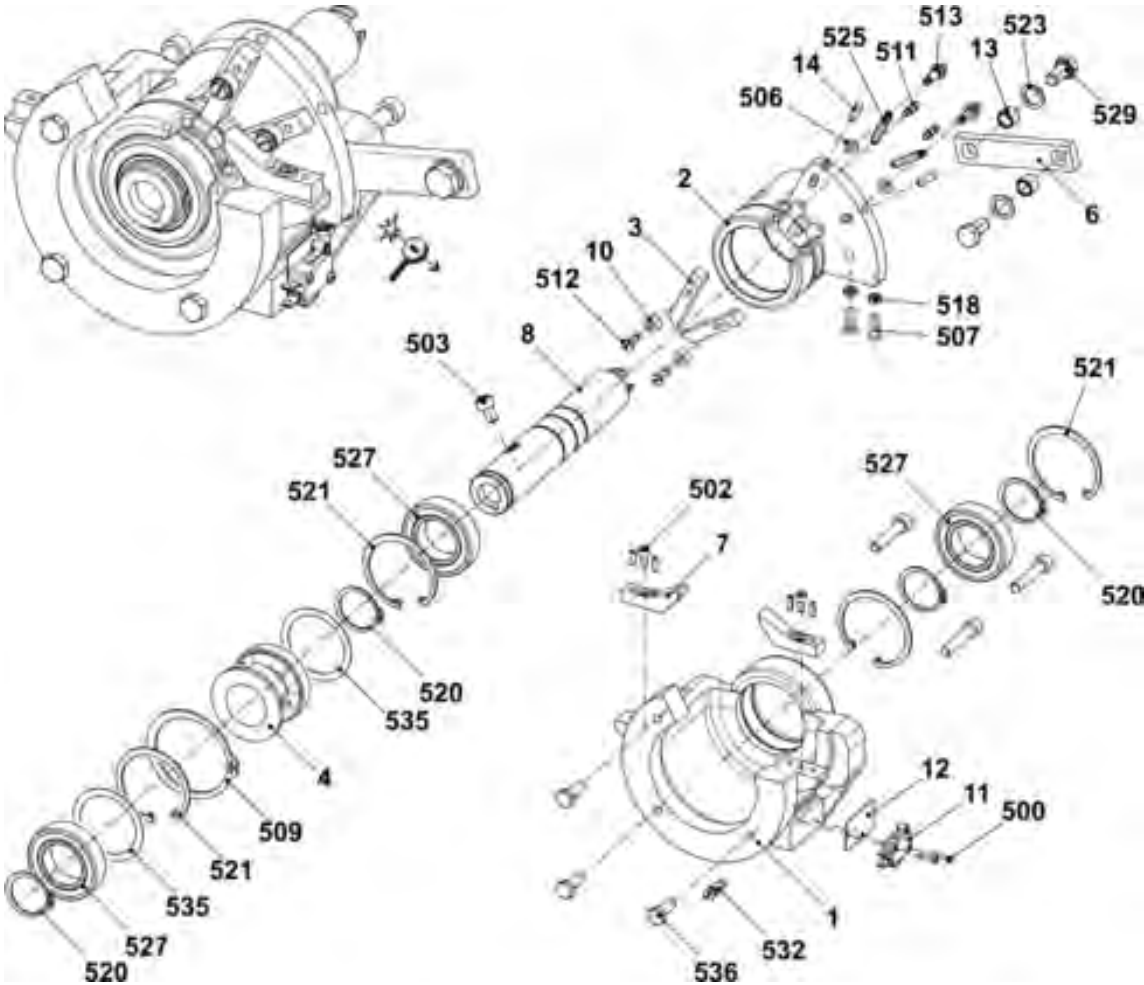
6.1.2 Contact shaft

Pos	Designation		Id		Pos	Designation		Id
Σ	Pressure shaft complete		243 265					
1	Contact lever		243 262		3	Shaft		211112
	a	Pressure roller	243 551		4	Spacing ring		030 689
	b	Pressure roller	243 552		500	Setting pin 8x34		020 699
	c	Knurled screw	242 331		501	Locking ring 24x1.2		020 975
	511	Locking ring 12x1	020 951		502	Needle roller bearing NA4901		021 746
2	Contact lever on the left		243 263					
	a	Pressure roller	243 551					



6.1.3 Take-down gear assembly

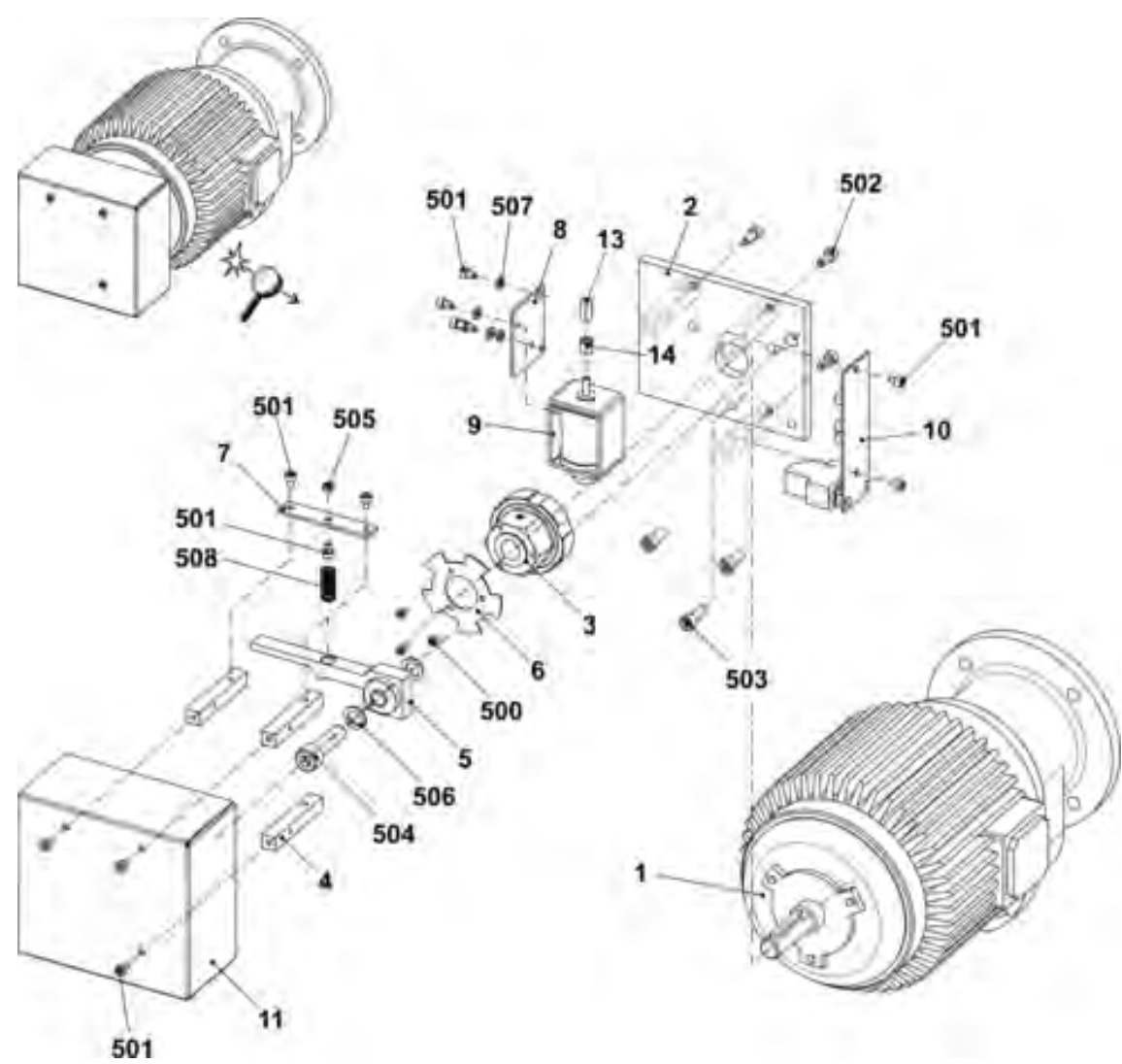
Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down gear assembly complete	211 172		506	Washer 6.4x12x0.3	022 737
1	Main bearing	204 292		507	Hexagon screw M6x16	020 356
2	Bearing housing	204 293		509	Locking ring 80x2.5	023 225
3	Slider	204 314		511	Shoulder screw M5x11x17	204 318
4	Driver sleeve	204 313		512	Shoulder screw M5x8x8	020 247
6	Strap	204 323		513	Shoulder screw M5x12.5x29-5.8	204 317
7	Ramp	209 281		518	Hexagon nut M6-04	020 855
8	Drive shaft	211 127		520	Locking ring 35x1.5	023 139
10	Roll	207 077		521	Locking ring 62x2	020 986
11	Microswitch	026 259		523	Supporting disk S 14x20x1.5	023 223
12	Insulating disk	048 012		525	Tension spring 6x0.65x20	021 187
13	Sleeve	207 078		527	Grooved ball bearing 6007-2Z	023 140
14	Damping pin	200 919		529	Hexagon screw M10x20	020 366
500	Cap screw M3x15	020 009		532	Shoulder screw M6x17x24-5.8	023 178
502	Cap screw M5X10	022 918		535	Adjusting washer 50x62x0.5	023 226
503	Cap screw M8x12	023 138		536	Hexagon screw M8x20	020 361



6.1 Main take-down

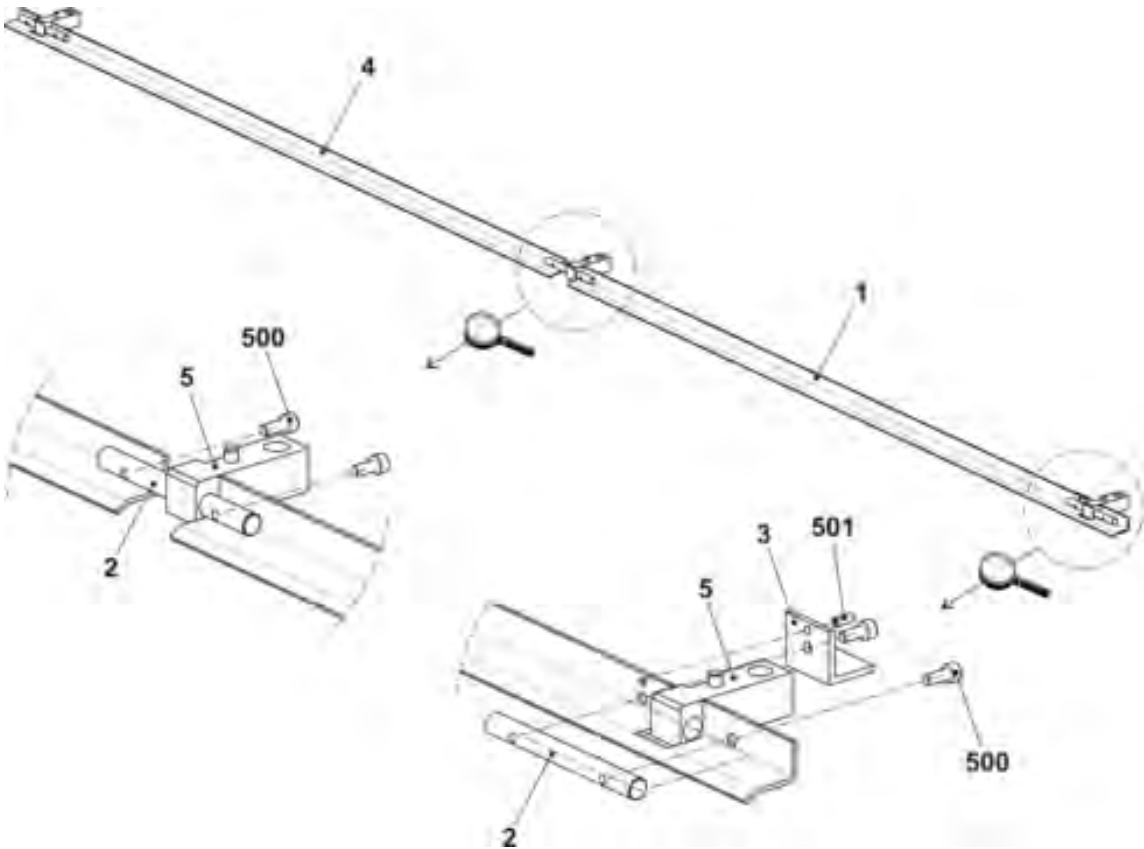
6.1.4 Take-down motor with block

Pos	Designation	Id		Pos	Designation	Id
Σ	Take-down motor with block	244 449				
1	Motor of main take-down	217 602		13	Thrust piece	202 940
2	Base plate	204 643		14	Nut	202 941
3	Hub switching ring	208 934		500	Cap screw M3x6-12.9	022 589
4	Bolt	202 933		501	Cap screw M4X6	023 067
5	Catch complete	211 560		502	Cap screw M5x12	020 132
6	Impulse disc WA1	202 751		503	Cap screw M6x16	020 135
7	Bridge	202 936		504	Cap screw M5x11x17	023 364
8	Plate	205 139		505	Hexagon nut M4-6	020 834
9	Catch magnet	026 042		506	Adjusting washer 10x16x1.5	023 261
10	Card for impulse giver of rotary field motor	300 487		507	Serrated lock washer	022 482
11	Cover	244 448		508	Compression spring 0.7x8.8x35	023 028



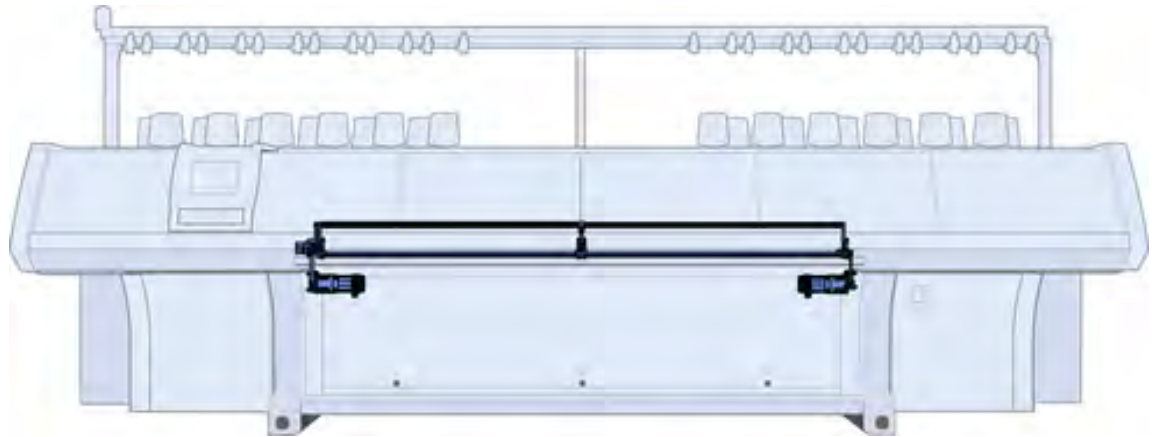
6.1.5 Fabric stripper

Pos	Designation	Id		Pos	Designation	Id
Σ	Fabric stripper	211 207		4	Stripping plate on the left	211 151
1	Stripping plate on the right	211 150		5	Bearing	211 152
2	Axle	211 218		500	Cap screw M5x12	020 132
3	Lever	211 215		501	Spring dowel sleeve 4x10	020 781



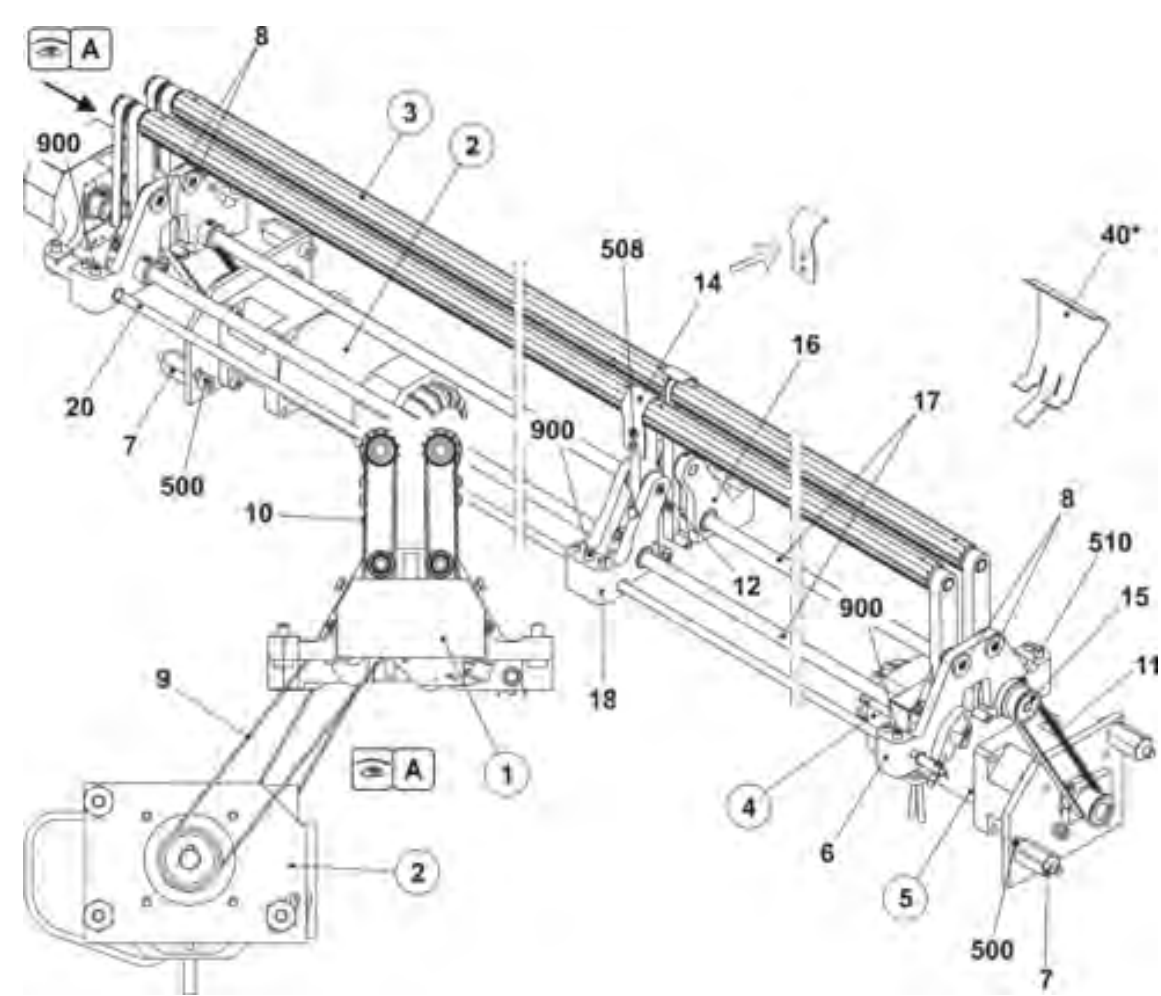
Notes:

7 Auxiliary take-down



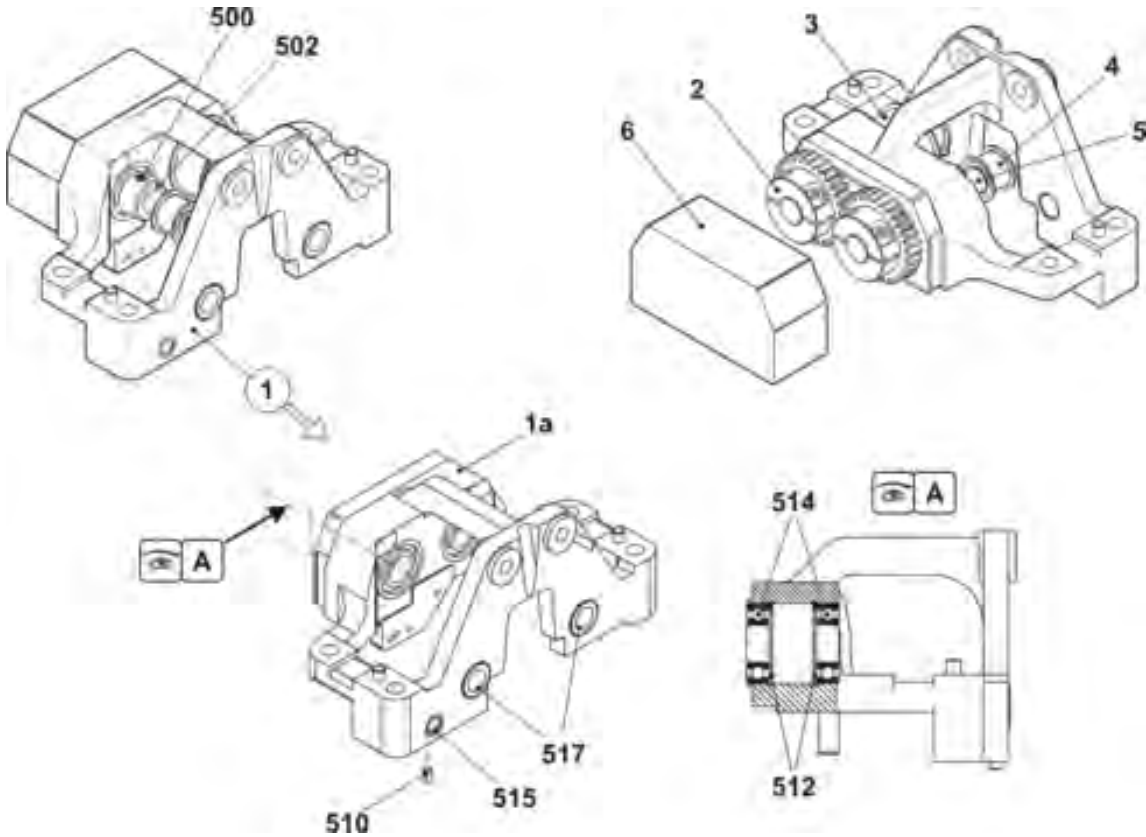
7.1 Auxiliary take-down

Pos	Designation	Id		Pos	Designation	Id
Σ	Auxiliary take-down	239 084		12	Bolt	225 782
1	Main bearing complete	239 081		14	Cover	211 093
2	Motor biphas complete	239 056		15	Timing belt pulley Z16 T5	207 575
3	Take-down roller complete	227 517		16	Bearing at the rear in the middle	227 520
4	Gear	211 204		17	Shaft	210 869
5	Motor biphas complete	239 073		18	Bearing at the front and in the middle	227 524
6	Bearing on the right	227 522		20	Contact rod	211 195
7	Stay bolt	238 991		40*	Fabric sensor	208 200
8	Bolt	227 363		500	Cap screw M8x20	020 141
9	Toothed belt 10t5/420	207 635		508	Pan-head screw M4x8	023 036
10	Toothed belt 10T5/280	207 633		510	Cap screw M5x16-8.8	023 141
11	Toothed belt 10T5/420	239 036		900	Cap screw M8x35	020 144



7.1.1 Main bearing

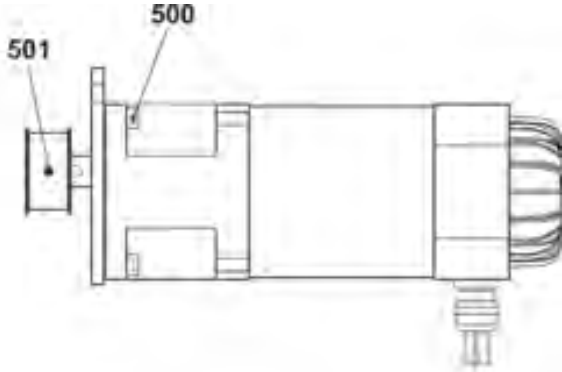
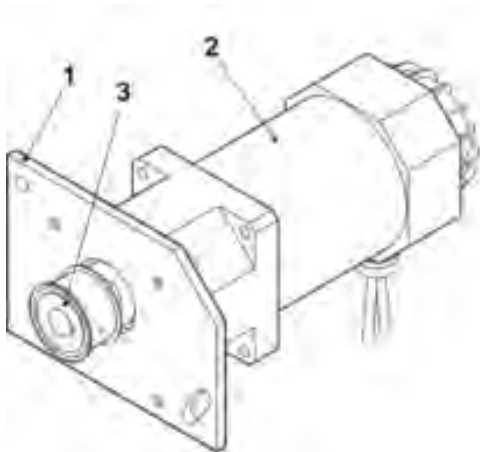
Pos	Designation		Id		Pos	Designation		Id
Σ	Main bearing complete		239 081					
1	Main bearing pre-assembled		227 529		2	Gear wheel		209 428
	1a	Main bearing	210 610		3	Timing belt pulley		209 436
	510	Set screw M5x6	022 580		4	Timing belt pulley		210 555
	512	Locking ring 32x1.2	023 355		5	Shaft		211 141
	514	Deep groove ball bearing 6002-2ZY	023 217		6	Cover		211 357
	515	Slide bearing MSM-0812-08	023 353		500	Set screw M6x5		023 192
	517	Slide bearing GFM-121418-10	023 352		502	Set collar A12		020 935



7.1 Auxiliary take-down

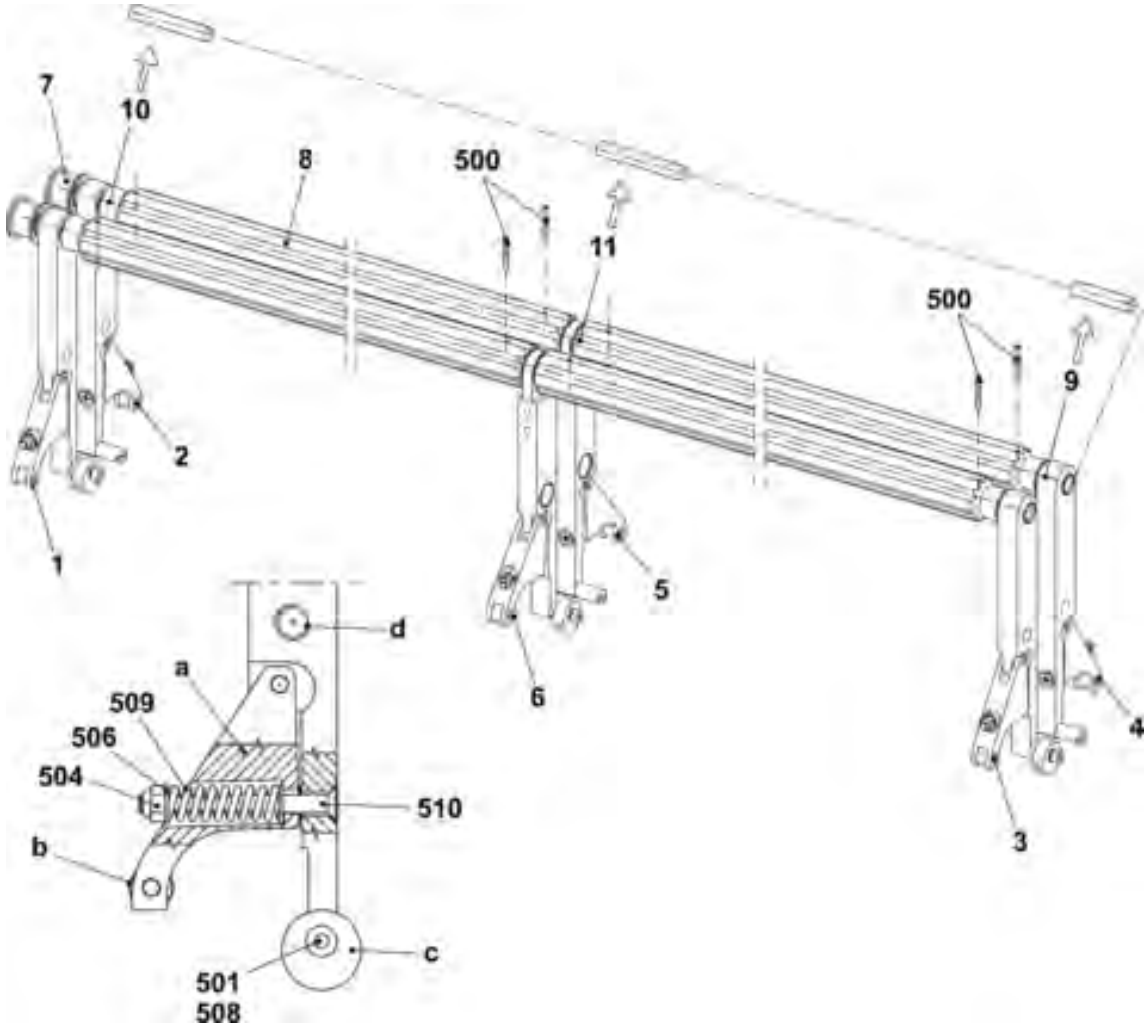
7.1.2 Motor on the left

Pos	Designation	Id		Pos	Designation	Id
Σ	Motor biphase complete	239 056		3	Timing belt pulley	238 060
1	Motor plate	238 061		500	Cap screw M6x16	020 135
2	Motor	234 805		501	Set screw M4x6	023 088



7.1.3 Take-down roller

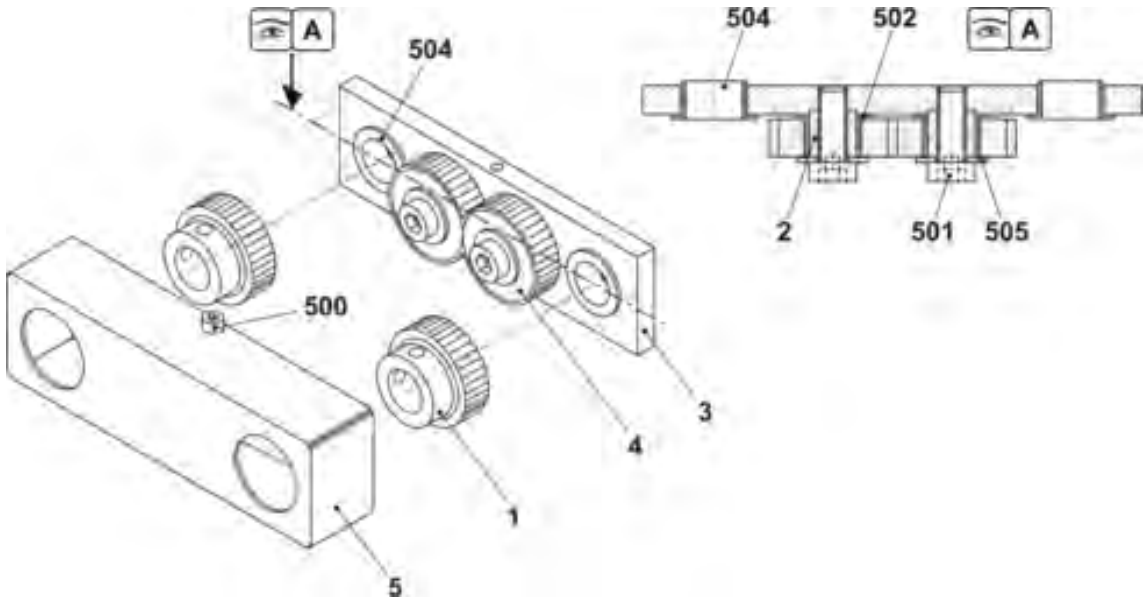
Pos	Designation	Id		Pos	Designation		Id
Σ	Take-down roller complete	227 517					
1	Lever at the front on the left complete	227 511		500	Spring dowel sleeve 3x20		020 776
2	Lever at the rear on the left complete	227 512		1-6	a	Toggle	208 434
3	Lever at the front on the right complete	227 515			b	Roll	200 577
4	Lever at the rear on the right complete	227 516			c	Eccentric	208 486
5	Lever at the rear on the left complete	227 513			d	Slide bearing	023 655
6	Lever at the front in the middle complete	227 514			501	Cap screw M4x20	023 171
7	Timing belt pulley	225 910			504	Hexagon nut M4-6	023 046
8	Take-down roller	225 783			506	Washer 4-200HV	020 870
9	Bolt	225 782			508	Circlip S4	022 774
10	Bolt	225 781			509	Compression spring 1,6x6,4x27,1	023 288
11	Bolt	225 536			510	Countersunk screw M4x45	023 291



7.1 Auxiliary take-down

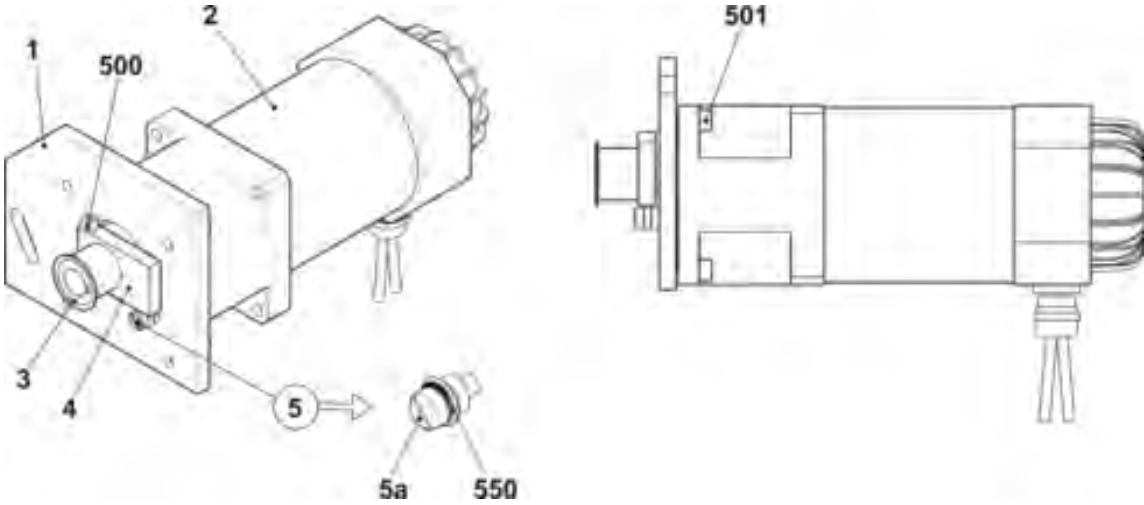
7.1.4 Gear

Pos	Designation	Id		Pos	Designation	Id
Σ	Gear	211 204		500	Cap screw M3X6	022 589
1	Gear wheel	208 101		501	Cap screw M6x16	023 116
2	Sleeve	211 136		502	Slide bearing GFM-101216-09	023 356
3	Strap	211 134		504	Slide bearing GFM-121418-08	023 281
4	Gear wheel	211 138		505	U-washer 8.4x20x3	020 902
5	Shrouding cover	211 139				



7.1.5 Motor on the right

Pos	Designation	Id		Pos	Designation	Id
Σ	Motor biphas complete	239 073		5	Stop point complete	208 921
1	Plate for motor	238 069		5a	Stop point	207 617
2	Motor	234 805		550	O-ring 6x3	022 856
3	Timing belt pulley Z16 T5	238 086		500	Cap screw M5X25	023 523
4	Clamping lever	238 084		501	Cap screw M6x16	020 135



7.1 Auxiliary take-down

Notes:

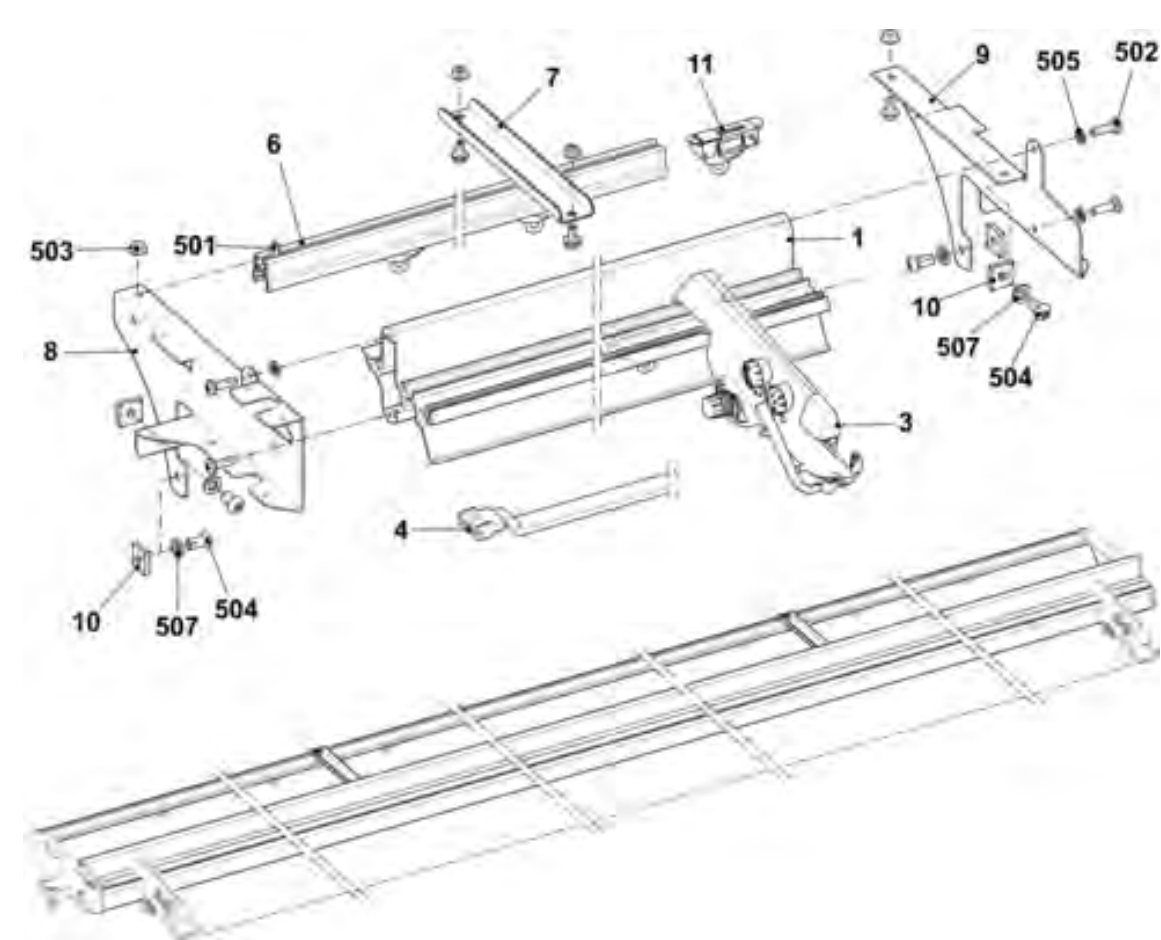
8 Yarn delivery device



8.1 Yarn guide system with 26 and 30 FKE

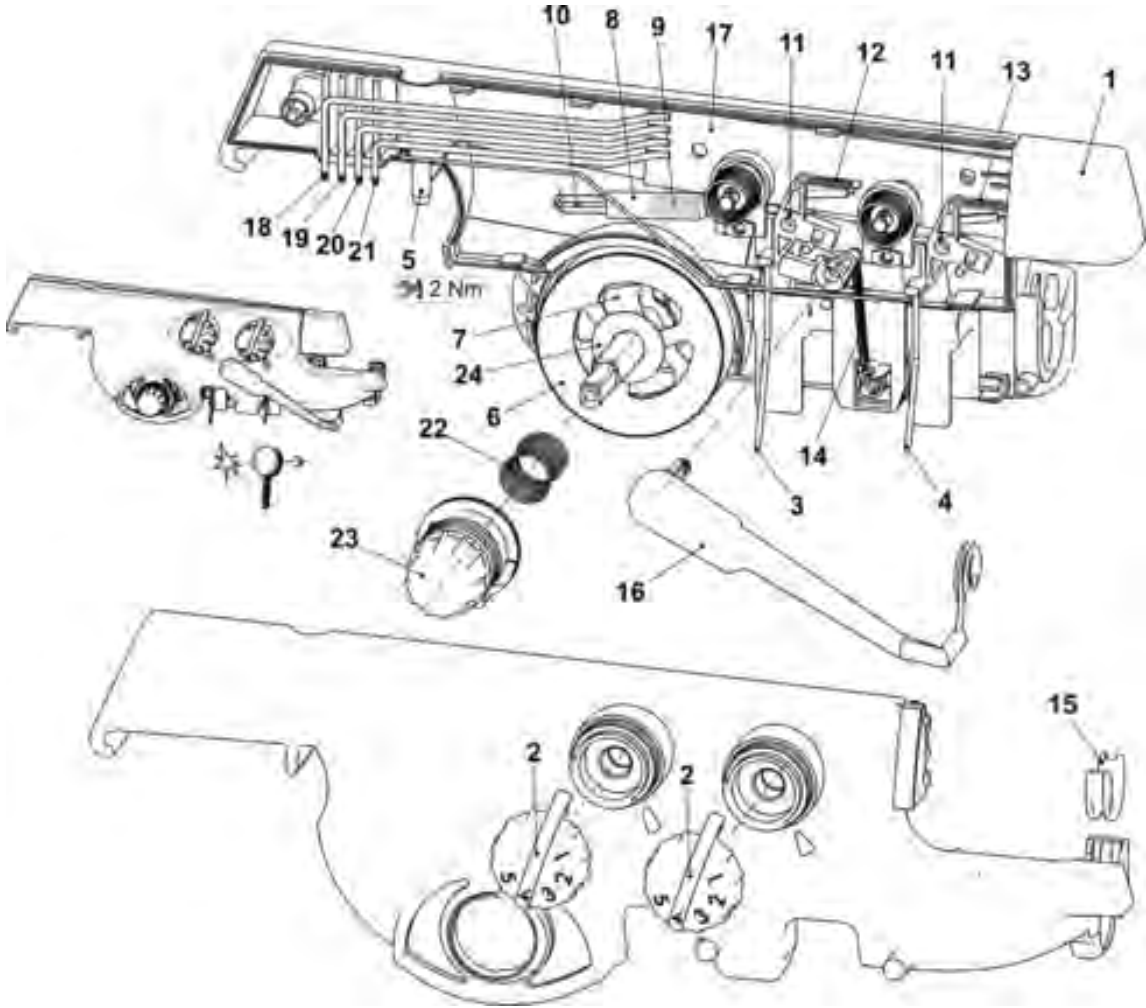
8.1 Yarn guide system with 26 and 30 FKE

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn guide system 26 FKE 933, E10 E12 E14 E16 E12m.10 E8.2	242 722				
	Yarn guide system 30 FKE 933, E6.2 E7.2	242 723		10	Sliding block	228 851
1	Support	243 114		11	Yarn guide bracket complete	241 581
3	Yarn control device	237 124		501	Self-locking screw M6x12	023 415
4	Connection cable FKE 3 96"	240 350		502	Screw CE M6x16	023 678
6	Yarn guide bar	242 431		503	Ribbed safety nut M6-10	023 414
7	Support	243 792		504	Countersunk screw M8x16	023 113
8	Support on the left	243 600		505	Washer 6-200hv	022 431
9	Support on the right	243 601		507	Serrated lock washer J8.4	023 388



8.1.1 Yarn control unit

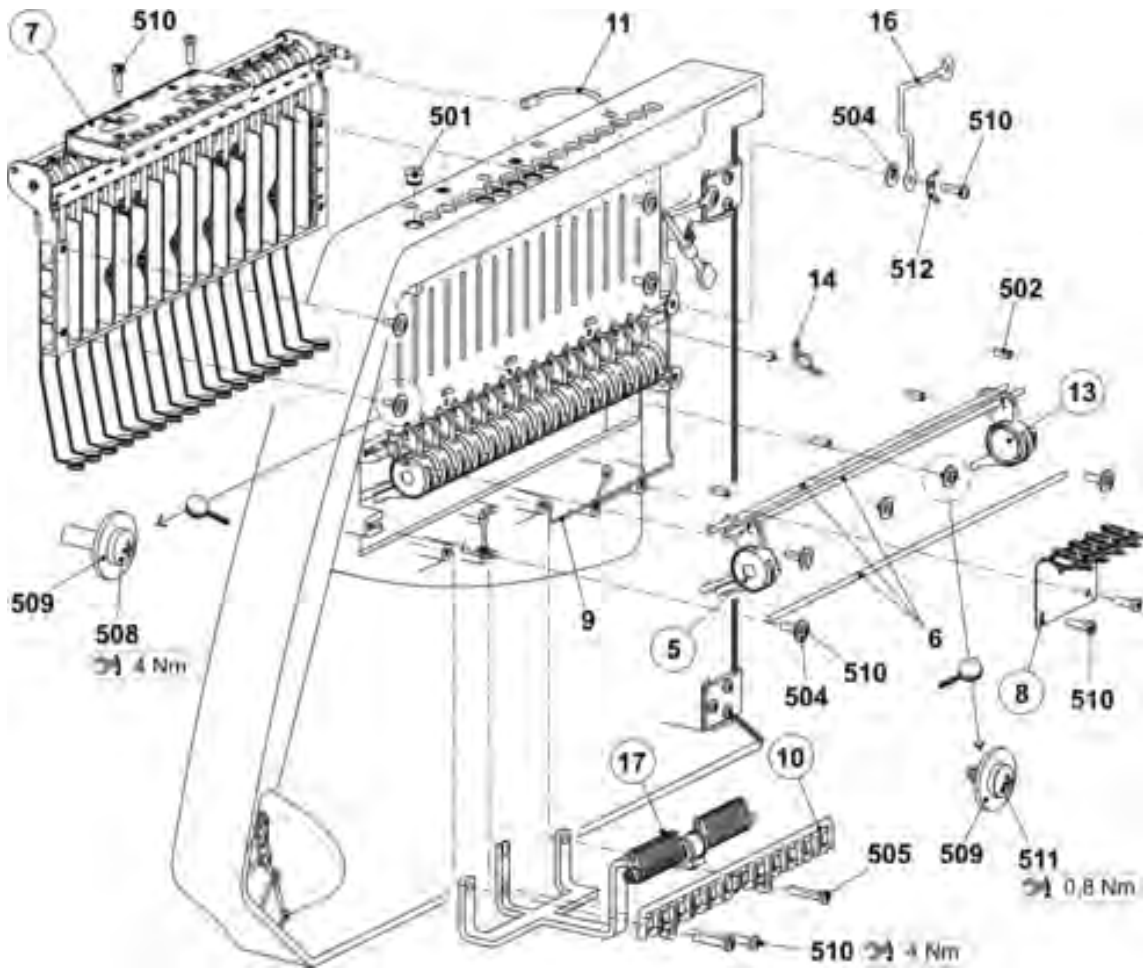
Pos	Designation	Ident No.	Pos	Designation	Ident No.
Σ	Yarn control unit	237 124			
1	Lamp cap	251 166	13	Tension spring	253 040
2	Turning knob	251 167	14	Tension spring	253 041
3	Knot detector for large knots	251 168	15	Ceramic eyelet open	240 733
4	Knot detector for mall knots	251 169	16	Stop bow	253 043
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



8.2 Left yarn guide

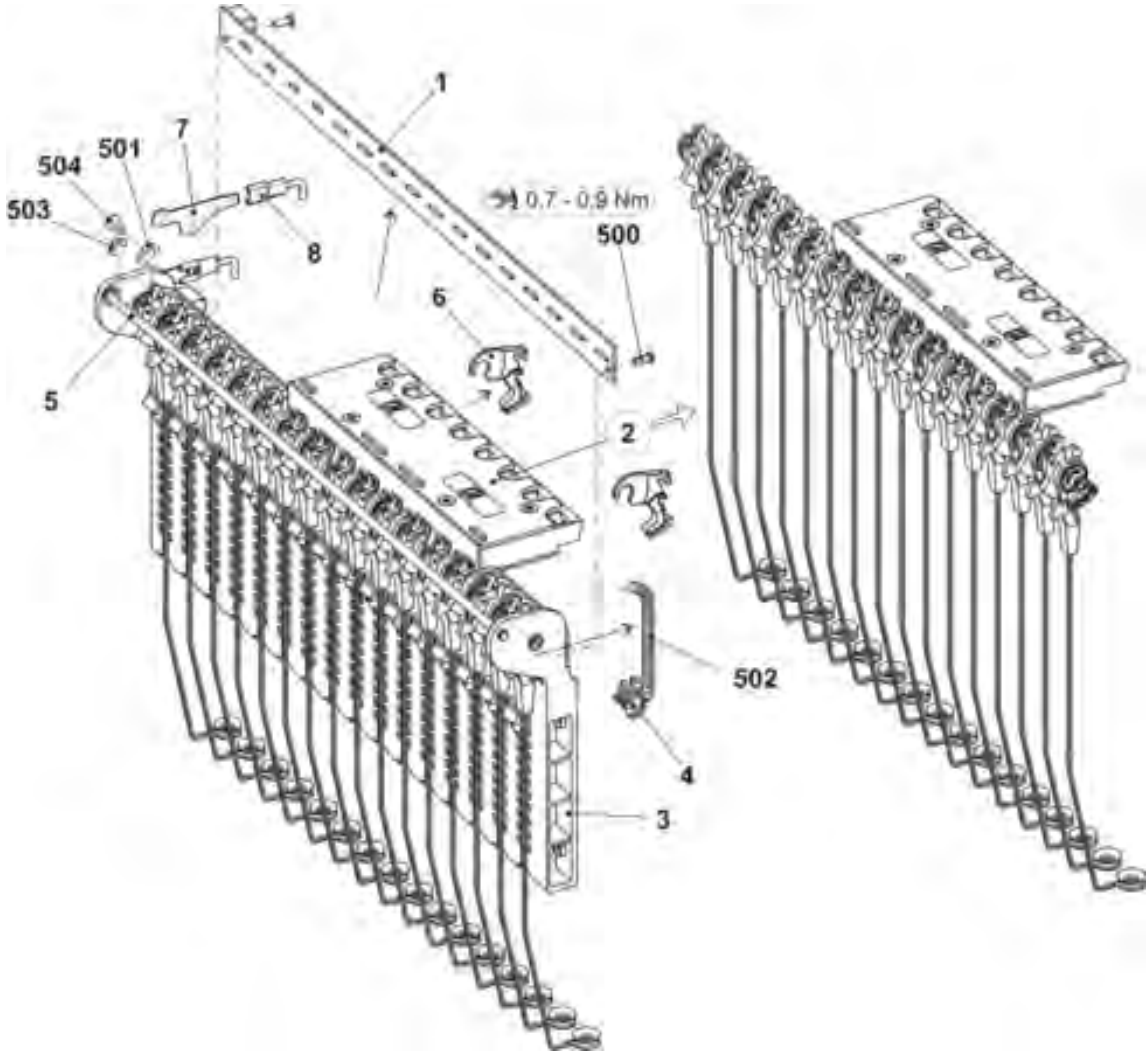
8.2 Left yarn guide

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety cover on the left complete		14	Clamping bow	244 409
	E7-8 (E6.2)	242 388	16	Ground cable	244 404
	E10-14 (E10 E12 E14 E16 E7.2 E8.2 E12m.10)	242 389	17	Yarn guide inside	250 412
5	Yarn brake complete	244 347	501	Ceramic eyelet	240 640
6	Shaft	241 318	502	Compression spring 0.90x5.40x13.60	241 360
7	Yarn tensioner on the left complete E7-8	242 996	504	U-washer	022 537
	Yarn tensioner on the left complete E10-18	242 997	505	Screw KB 60x30	237 683
8	Deflector on the left complete	223 316	508	Pan-head screw M5x16	023 187
9	Wire bow on the left	241 370	509	Disc 503x18x1.5	020 909
10	Yarn deflector	242 011	510	Screw KB60 x 20	237 682
11	Connection cable yarn	240 808	511	Sheet metal screw ST4.8x9.5-F	242 374
13	Yarn brake not adjustable	244 356	512	Flat connector 2x45° M6	243 117



8.2.1 Left yarn tensioner

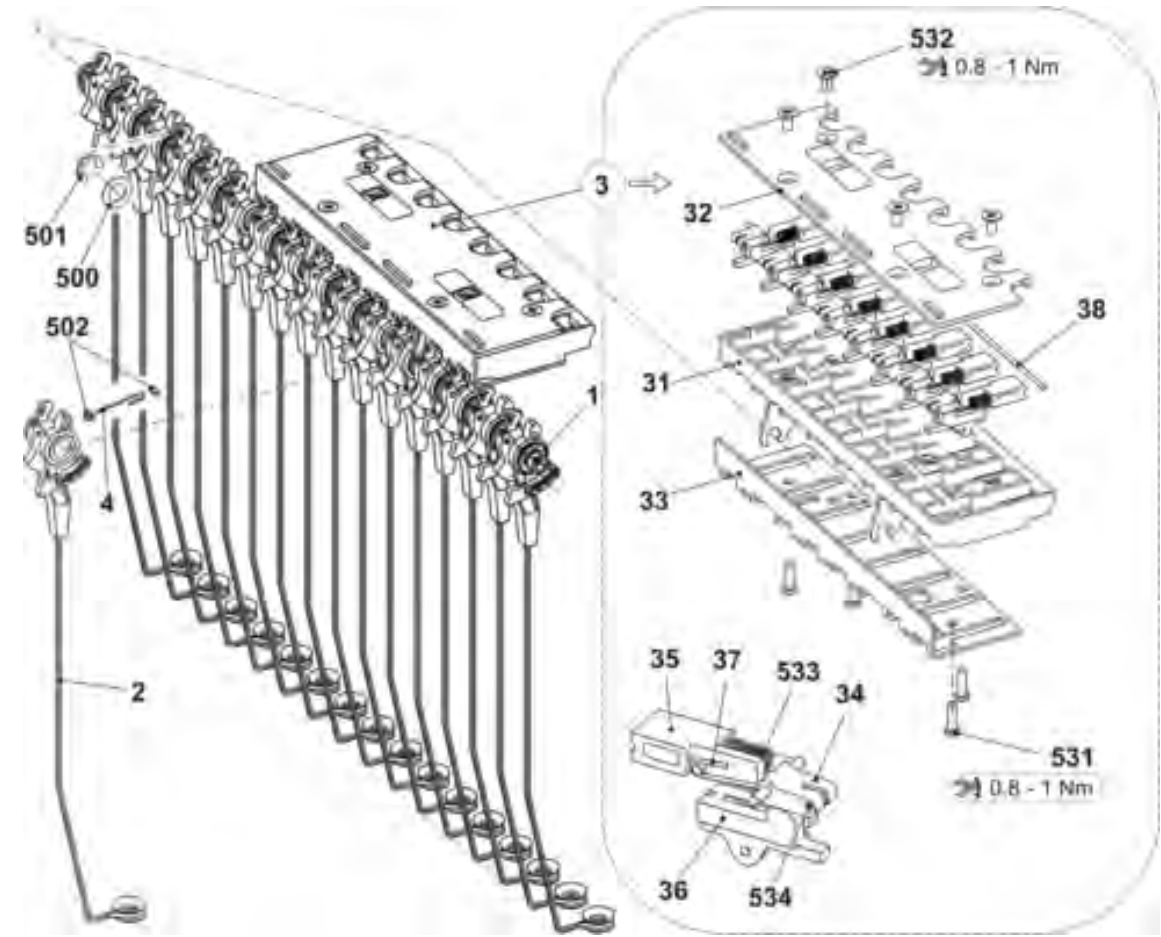
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the left complete			6	Spacer	242 048
	E7 -8 (E6.2)	242 996		7	Grounding sheet metal of tension axle	243 121
	E10-14 (E10 E12 E14 E16 E12m.10 E7.2 E8.2)	242 997		8	Ground cable yarn tensioner	243 105
1	Card yarn tensioner 16-fold on the left	241 345		500	Screw KB 30x8	236 228
2	Tension axle on the left complete E5-8	242 995		501	Circlip 6	021 022
	Tension axle on the left complete E10-14	242 998		502	Tension spring	
3	Housing	241 367			Tension spring 4.9x0.5x53 (E7 - E8)	023 503
4	Slider	241 694			Tension spring 4.9x0.45x53 (E10 - E14)	023 504
5	Stop point	241 368		503	Circlip	021 020
				504	Countersunk screw M4x12	241 914



8.2 Left yarn guide

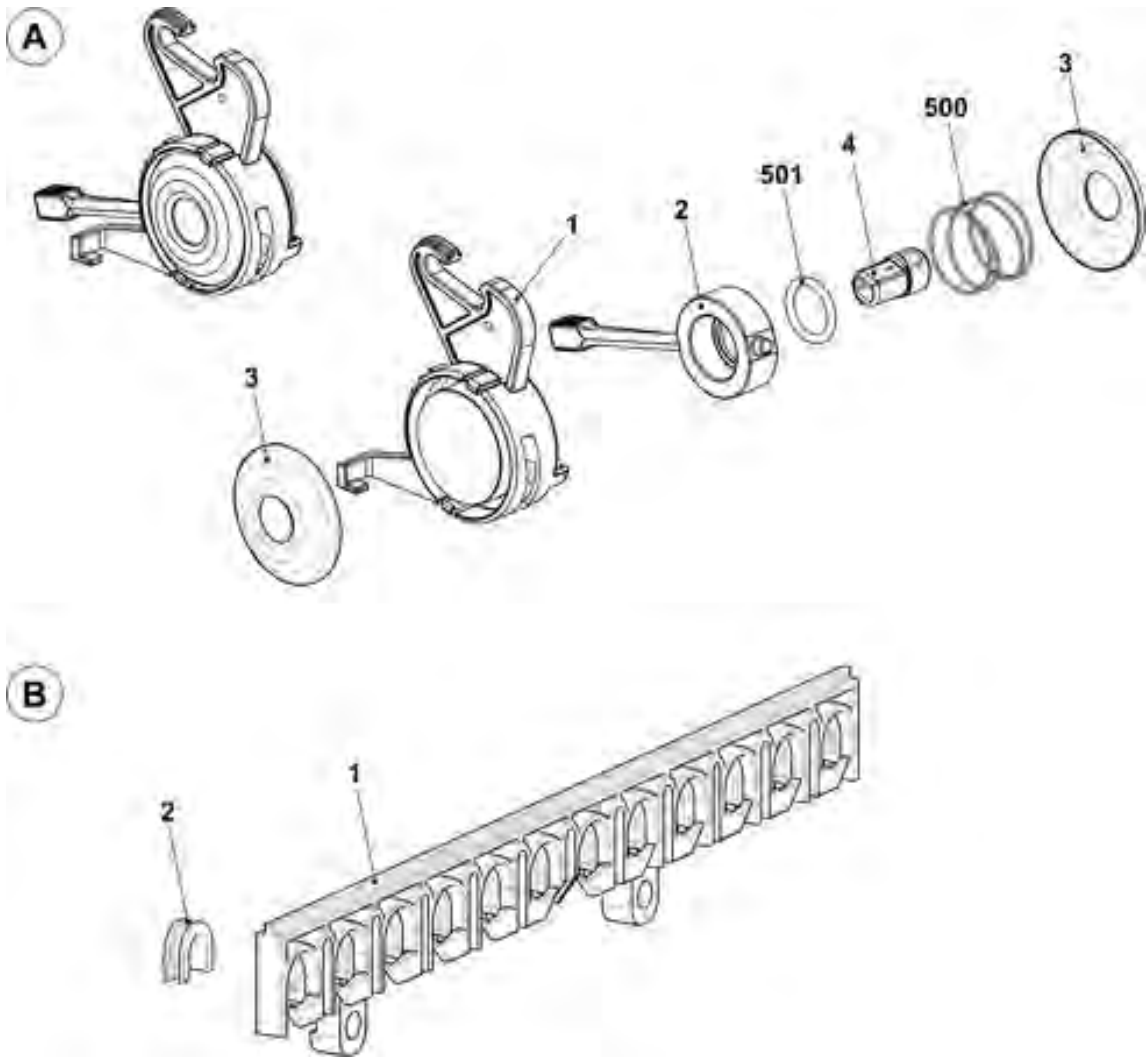
8.2.1.1 Left tension axle

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle on the left complete			31	Housing AKF	238 689
	E5-8 (E6.2)	242 995		32	Cover AKF	237 926
	E10-18 (E10 E12 E14 E16 E12m.10 E7.2 E8.2)	242 998		33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107		34	Lever AKF	238 692
2	Tension arm pre-assembled E3-8	242 770		35	Thrust piece AKF	238 690
	Tension arm pre-assembled E10 –18	242 771		36	Slider AKF	238 691
4	Wire bow	238 694		37	Wire bow	238 694
500	Shim ring 8x14x0.5	023 501		38	Wire	237 940
501	Circlip	021 022		531	Screw KB 35x12	237 681
502	Grooved pin 2x6	243 172		532	Screw KB 40x8	236 227
3	Thread clamp AKF	238 695		533	Compression spring 0.30x4.50x18.50	241 437
				534	Grooved pin 2x6	243 172



8.2.2 Yarn brake and yarn deflector

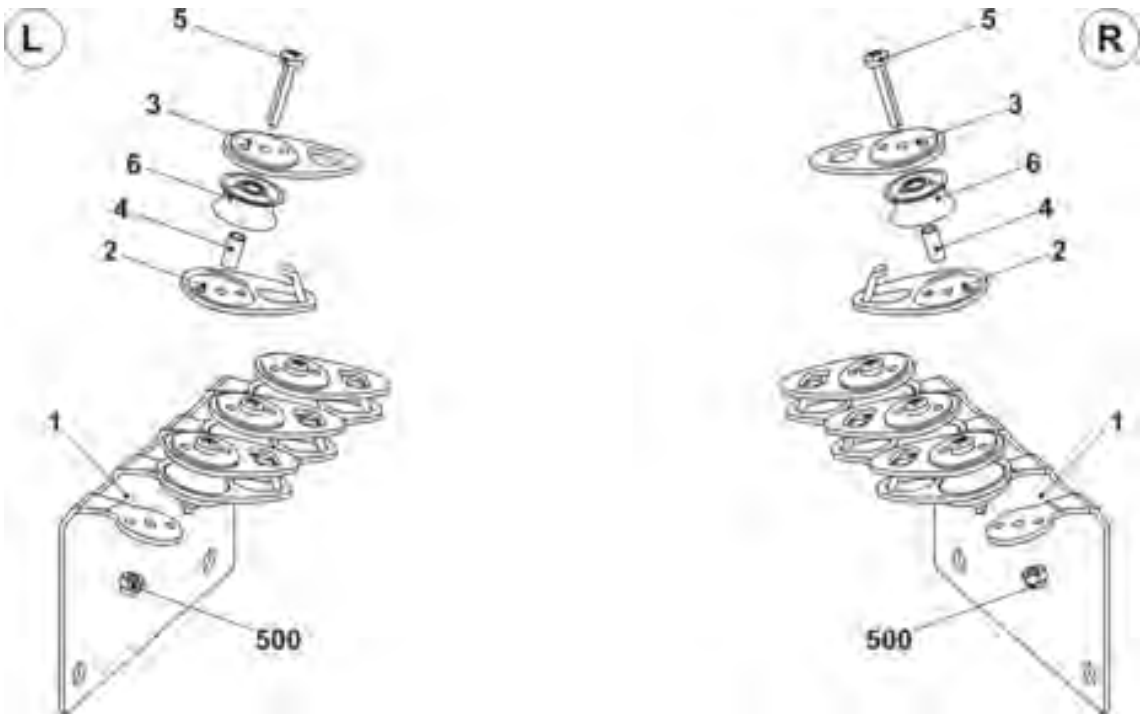
Pos	Designation	Id		Pos	Designation	Id
A	Yarn brake complete	244 347		B	Yarn deflector	242 011
1	Support	240 607		1	Support yarn deflector	242 009
2	Slider	240 606		2	Ceramic eyelet open	240 733
3	Brake disk	244 355				
4	Ceramic eyelet open	243 778				
500	Compression spring 0.65x20.15x14.80	241 361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



8.2 Left yarn guide

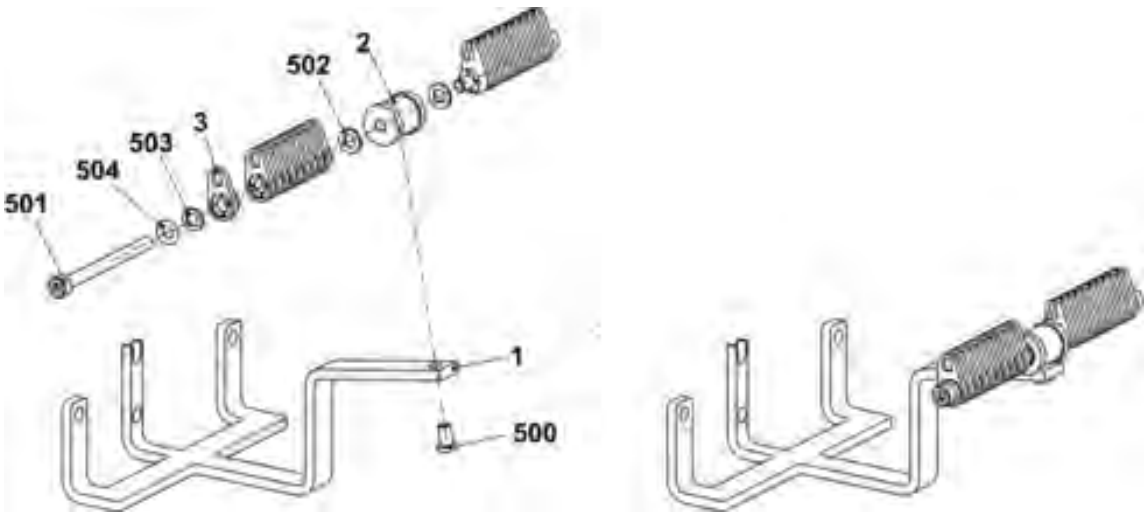
8.2.3 Deflector

Pos	Designation	Id		Pos	Designation	Id
Σ	Deflector on the left	223 316		Σ	Deflector on the right	223 049
1	Roller support on the left	223 312		1	Roller support on the right	223 044
2	Yarn holder	217 362		2	Yarn holder	217 362
3	Yarn holder	217 363		3	Yarn holder	217 363
4	Sleeve	219 222		4	Sleeve	219 222
5	Screw	223 298		5	Screw	223 298
6	Roller deflector	218 805		6	Roller deflector	218 805
500	Hexagon nut M3-6	022 884		500	Hexagon nut M3-6	022 884



8.2.4 Yarn guide inside

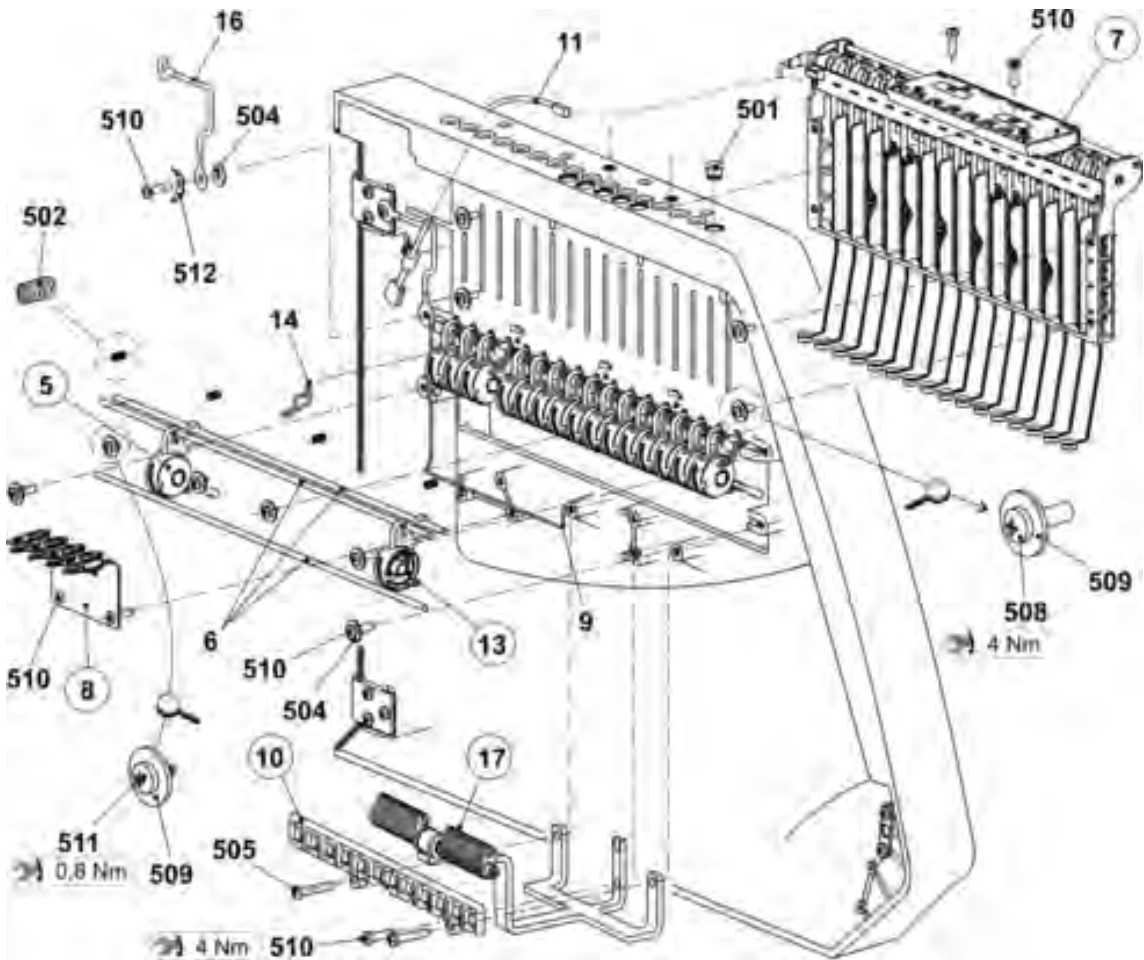
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn guide inside	250 412				
1	Holding bow	250 413		501	Cap screw M6X75	022 956
2	Bolt	214 894		502	U-washer 6	022 853
3	Yarn carrier	200 127		503	U-washer 6	020 881
500	Countersunk screw M6x10	023 183		504	O-ring 6x3	022 856



8.3 Right yarn guide

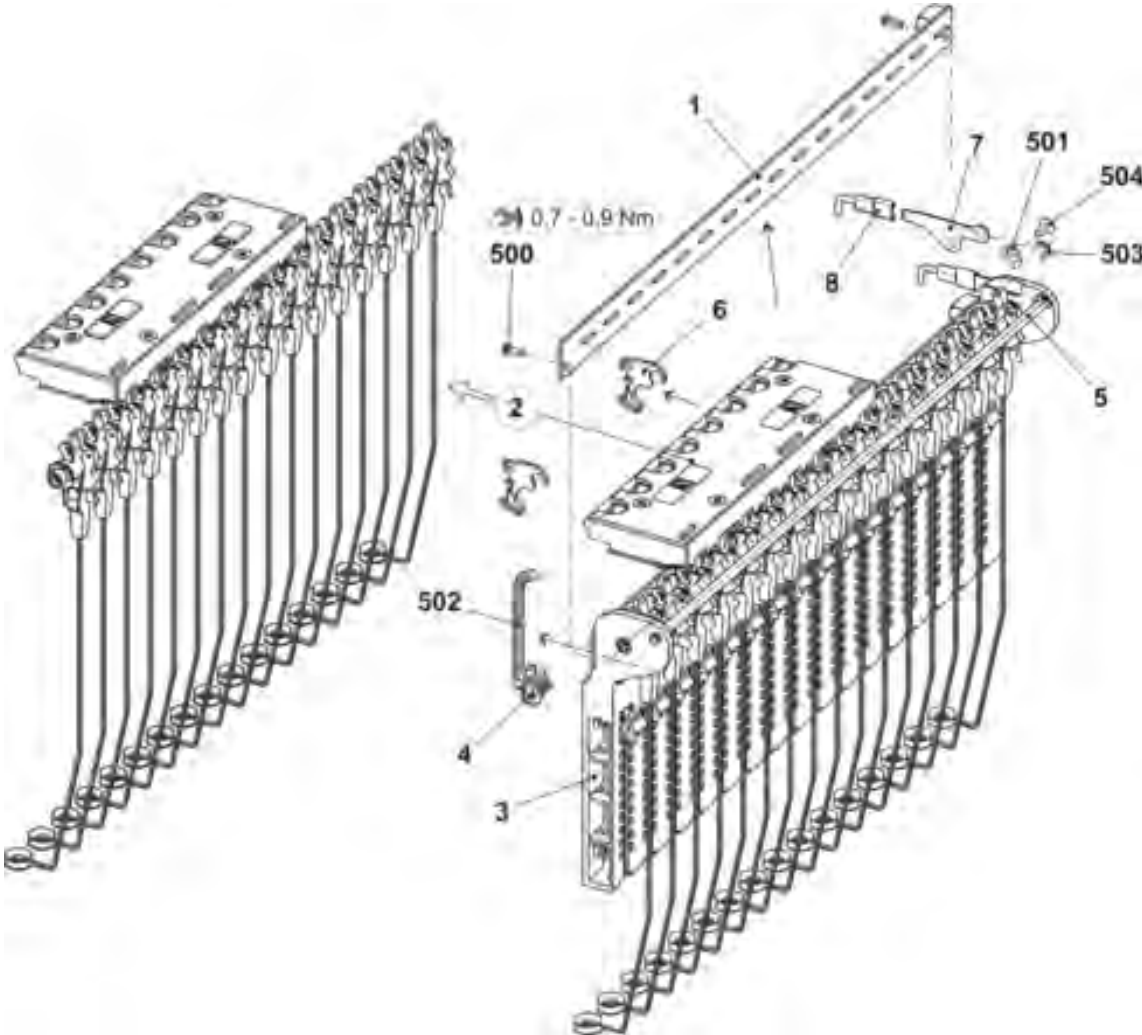
8.3 Right yarn guide

Pos	Designation	Id	Pos	Designation	Id
Σ	Safety cover on the right complete		14	Clamping bow	244 409
	E7-8 (E6.2)	242 391	16	Ground cable	244 404
	E10-14 (E10 E12 E14 E16 E7.2 E8.2 E12m.10)	242 392	17	Yarn guide inside	250 412
5	Yarn brake complete	244 347	501	Ceramic eyelet	240 640
6	Shaft	241 318	502	Compression spring 0.90x5.40x13.60	241 360
7	Yarn tensioner on the right complete E7-8	243 000	504	U-washer	022 537
	Yarn tensioner on the right complete E10-18	243 001	505	Screw KB 60x30	237 683
8	Deflector on the right complete	223 049	508	Pan-head screw M5x16	023 187
9	Wire bow on the right	241 369	509	Disc 503x18x1.5	020 909
10	Yarn deflector	242 011	510	Screw KB60 x 20	237 682
11	Connection cable yarn	240 808	511	Sheet metal screw ST4.8x9.5-F	242 374
13	Yarn brake not adjustable	244 356	512	Flat connector 2x45° M6	243 117



8.3.1 Right yarn tensioner

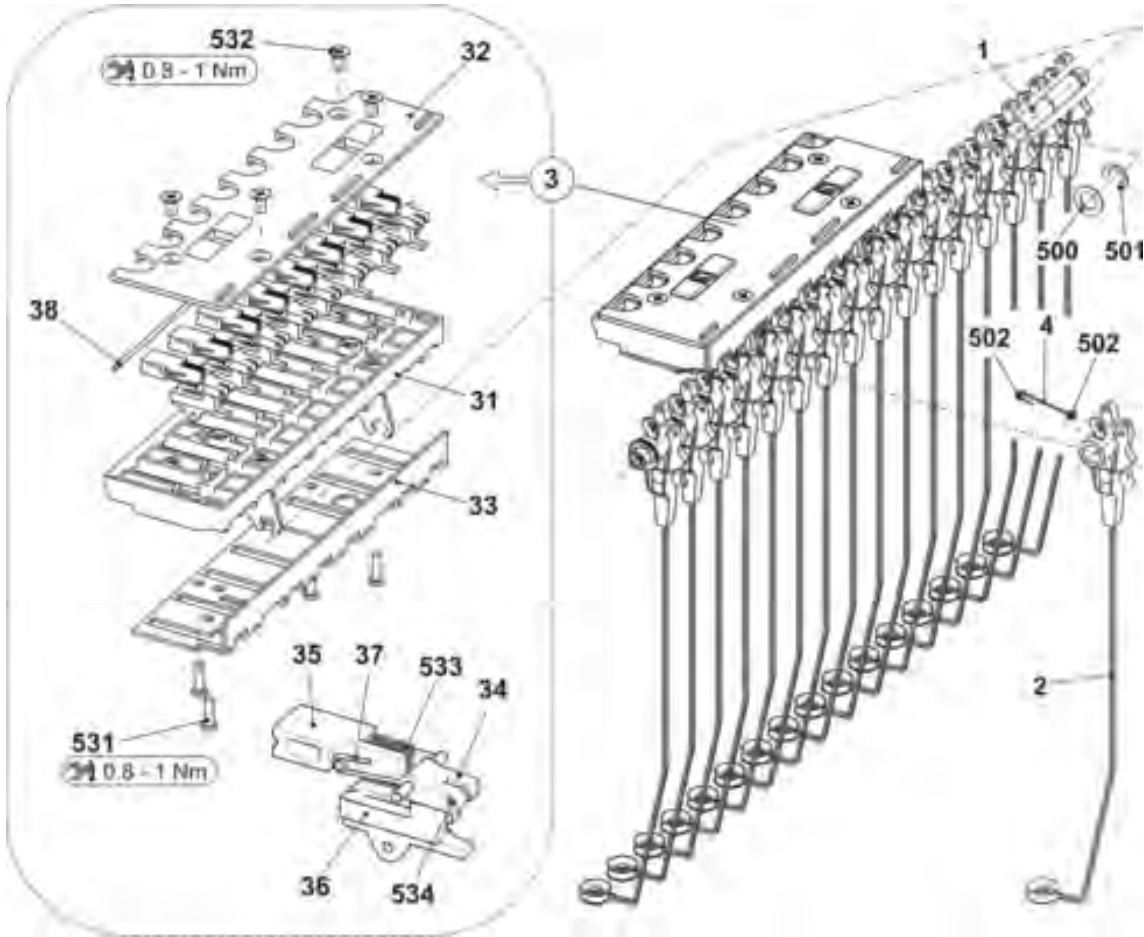
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the right complete			6	Spacer	242 048
	E7 -8 (E6.2)	243 000		7	Grounding sheet metal of tension axle	243 121
	E10-14 (E10 E12 E14 E16 E12m.10 E7.2 E8.2)	243 001		8	Ground cable yarn tensioner	243 105
1	Card yarn tensioner 16-fold on the right	241 346		500	Screw KB 30x8	236 228
2	Tension axle on the right complete E5-8	243 351		501	Circlip 6	021 022
	Tension axle on the right complete E10-14	243 352		502	Tension spring	
3	Housing	241 367			Tension spring 4.9x0.5x53 (E7 - E8)	023 503
4	Slider	241 694			Tension spring 4.9x0.45x53 (E10 - E14)	023 504
5	Stop point	241 368		503	Circlip	021 020
				504	Countersunk screw M4x12	241 914



8.3 Right yarn guide

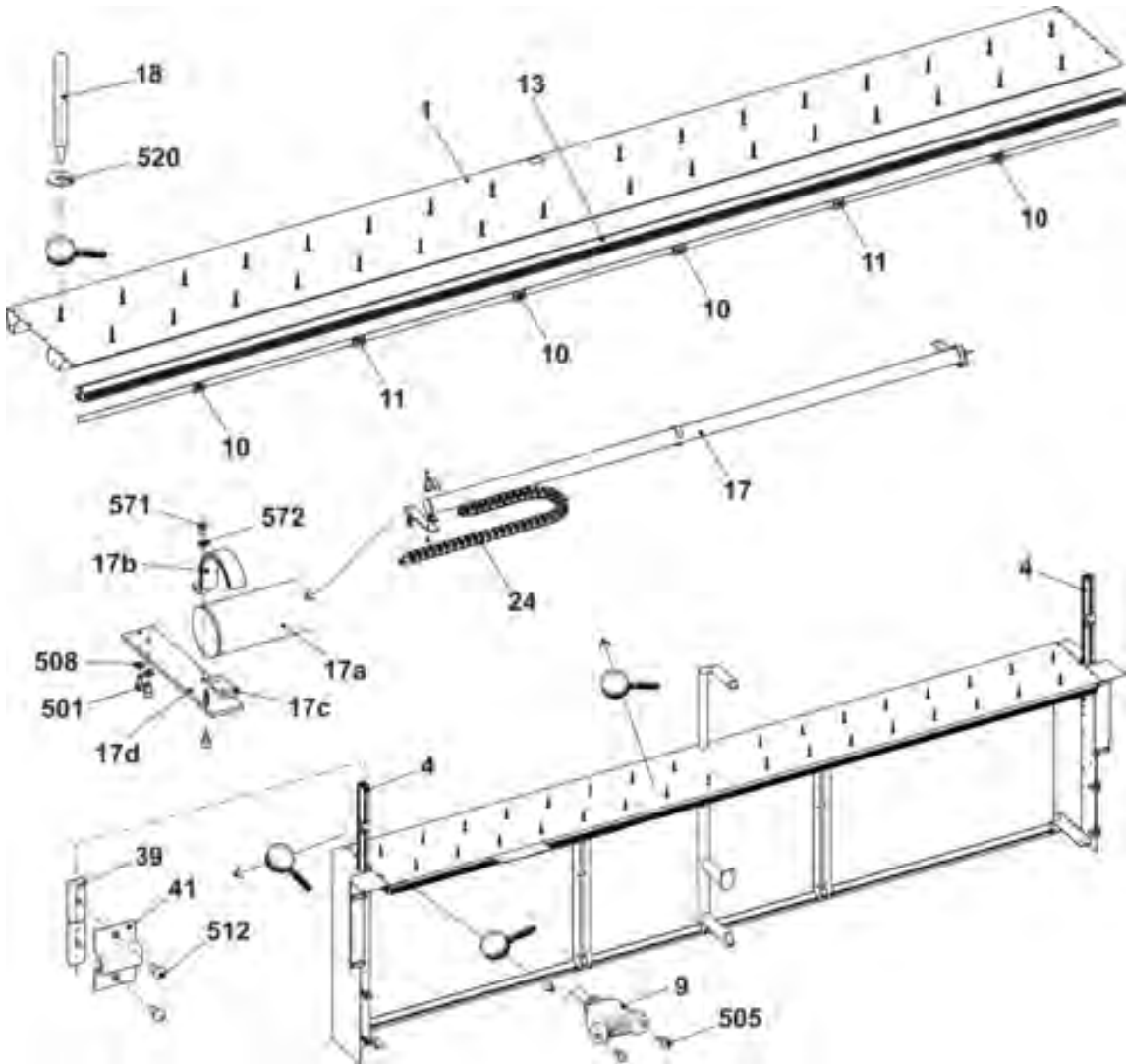
8.3.1.1 Right tension axle

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle on the right complete			31	Housing AKF	238 689
	E5-8 (E6.2)	243 351		32	Cover AKF	237 926
	E10-14 (E10 E12 E14 E16 E12m.10 E7.2 E8.2)	243 352		33	Sheet metal at the bottom (housing AKF)	240 719
1	Axle	243 107		34	Lever AKF	238 692
2	Tension arm pre-assembled E3-8	242 770		35	Thrust piece AKF	238 690
	Tension arm pre-assembled E10 –18	242 771		36	Slider AKF	238 691
4	Wire bow	238 694		37	Wire bow	238 694
500	Shim ring 8x14x0.5	023 501		38	Wire	237 940
501	Circlip	021 022		531	Screw KB 35x12	237 681
502	Grooved pin 2x6	243 172		532	Screw KB 40x8	236 227
3	Thread clamp AKF	238 695		533	Compression spring 0.30x4.50x18.50	241 437
				534	Grooved pin 2x6	243 172



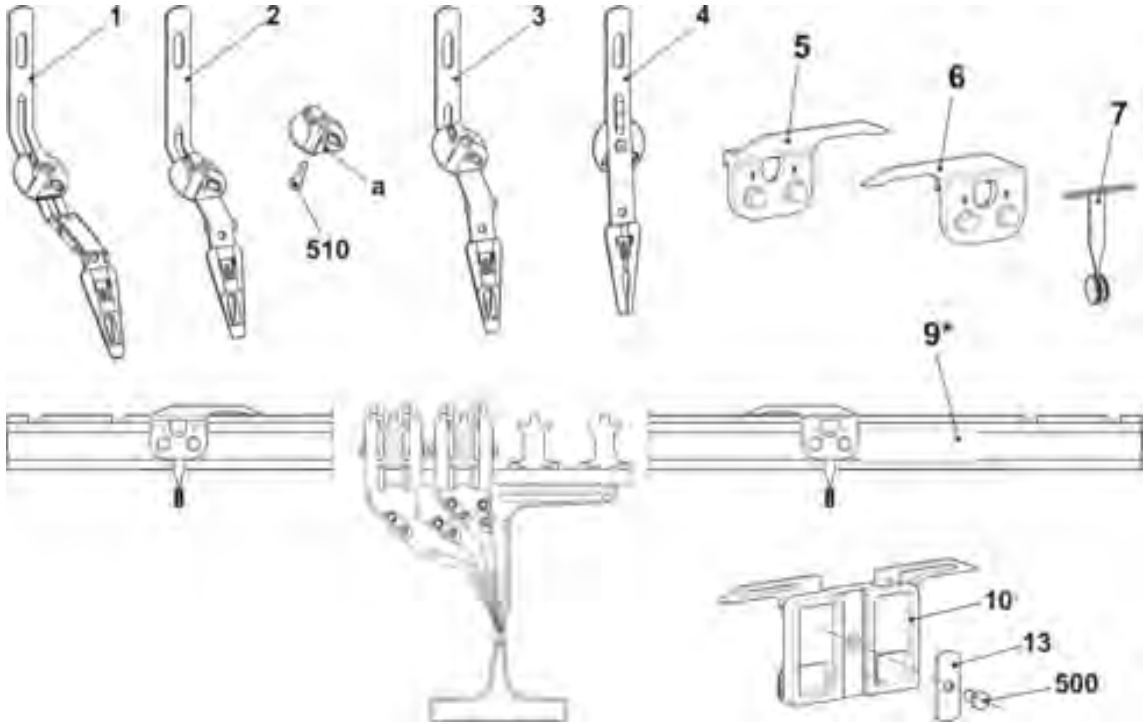
8.4 Bobbin board

Pos	Designation	Id	Pos	Designation	Id
Σ	Table complete 933	242 441	17	Lamp at the top complete	220 137
1	Table	251 247	17a	Lamp long RR60V-230	212 580
4	Support element	228 594	17b	Clamping bow	209 504
9	Cable USB extension	243 069	17c	Cellular caoutchouc 40x20	208 018
10	Magnet switch protective hood	219 983	17d	Lamp support	220 138
11	Magnet switch protective hood	220 159	571	Cap screw M6X10	022 773
13	Guide rail at the top complete	242 435	572	Serrated lock washer J6	022 385
18	Positioning pin	204 819	501	Cap screw M6X10	023 690
24	Energy chain display 38 links	253 888	505	Countersunk screw M3x8	023 251
39	Threaded strip short	200 223	508	U-washer	023 598
41	Clamp	228 583	512	Screw M8x16	023 113
			520	U-washer	020 901



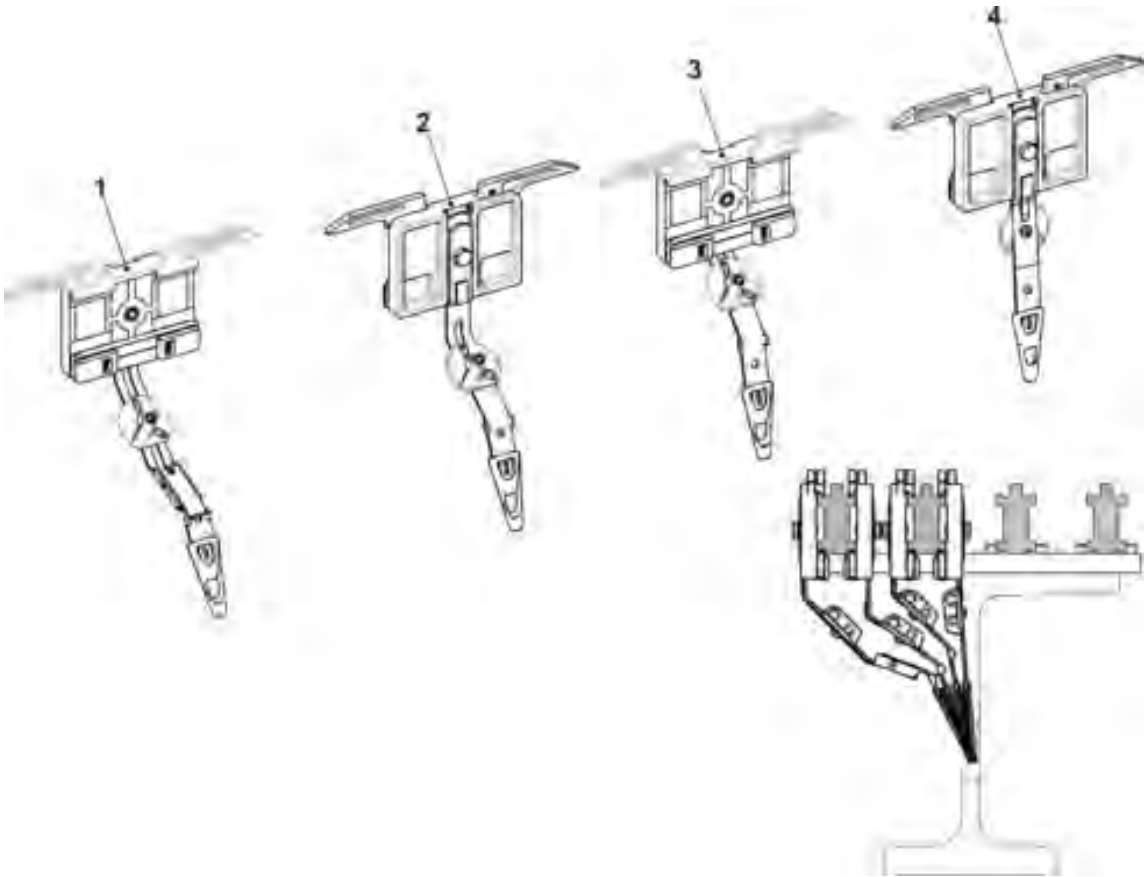
8.5 Yarn carrier and guide rails

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E7-8	244 004			
	Yarn guide complete E10-14	244 005			
	Yarn guide complete E16 -18	244 006			
5	Limiter on the left complete	244 099	E10 E12 E14 E12m.10 E7.2 E8.2		
6	Limiter on the right complete	244 098	1	YC bow 1+8 complete E10-14	212 994
7	Slider with eyelet	230 709	2	YC bow 2+7 complete E10-14	212 996
9*	Yarn carrier rail	213 172	3	YC bow 3+6 complete E10-14	212 995
10	YC carriage complete	243 062	4	YC bow 4+5 complete E10-14	212 997
13	Shim 0,03x11x80	213 035	E16		
500	Hexagonal screw M5x10	020 351	1	YC bow 1+8 complete E16-18	223 199
E6.2			2	YC bow 2+7 complete E16-18	223 201
1	YC bow 1+8 complete E7-8	212 892	3	YC bow 3+6 complete E16-18	223 200
2	YC bow 2+7 complete E7-8	212 914	4	YC bow 4+5 complete E16-18	223 202
3	YC bow 3+6 complete E7-8	212 925	a	Yarn guide wheel complete	209 257
4	YC bow 4+5 complete E7-8	212 910	510	Pan-head screw M3x10	023 032



8.6 Complete yarn carriers

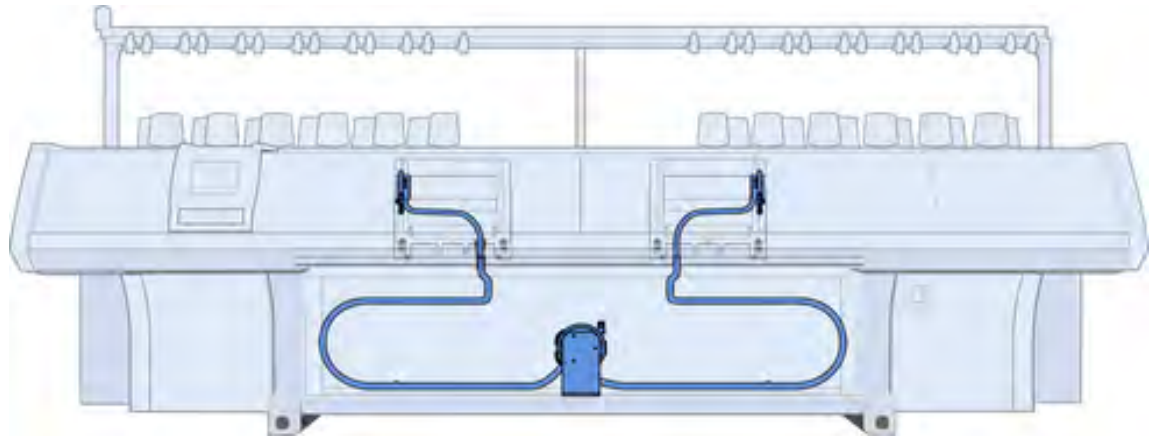
Pos	Designation	Track	Id		Pos	Designation	Track	Id
Yarn guide complete								
E6.2		244 004			E16			244 006
1	YC carriage complete E7-8	1+8	243 939		1	YC carriage complete E16-18	1+8	243 947
2	YC carriage complete E7-8	2+7	243 938		2	YC carriage complete E16-18	2+7	243 946
3	YC carriage complete E7-8	3+6	243 937		3	YC carriage complete E16-18	3+6	243 945
4	YC carriage complete E7-8	4+5	243 936		4	YC carriage complete E16-18	4+5	243 944
E10 E12 E14 E12m.10 E7.2 E8.2		244 005						
1	YC carriage complete E10-14	1+8	243 943					
2	YC carriage complete E10-14	2+7	243 942					
3	YC carriage complete E10-14	3+6	243 941					
4	YC carriage complete E10-14	4+5	243 940					



8.6 Complete yarn carriers

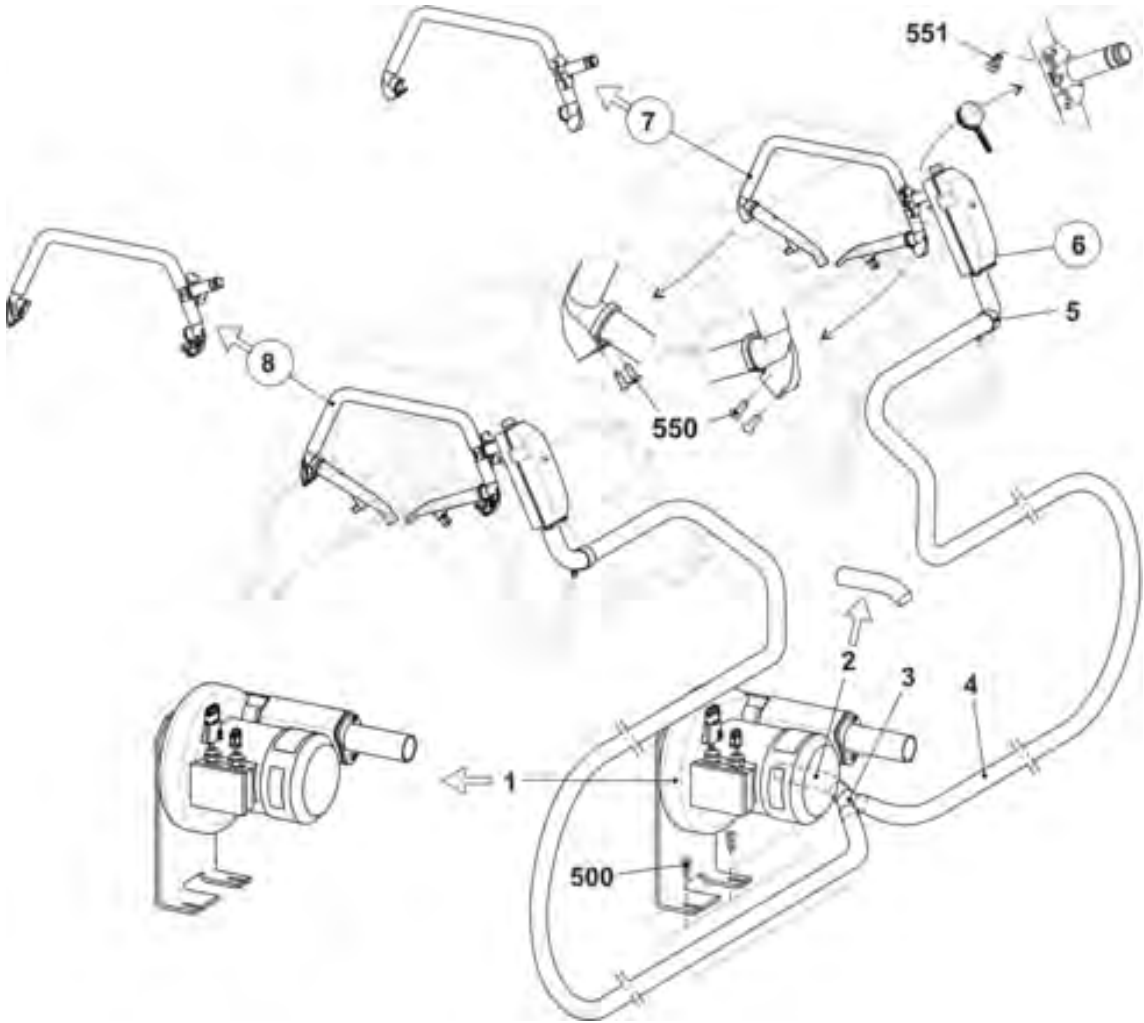
Notes:

9 Fluff absorption



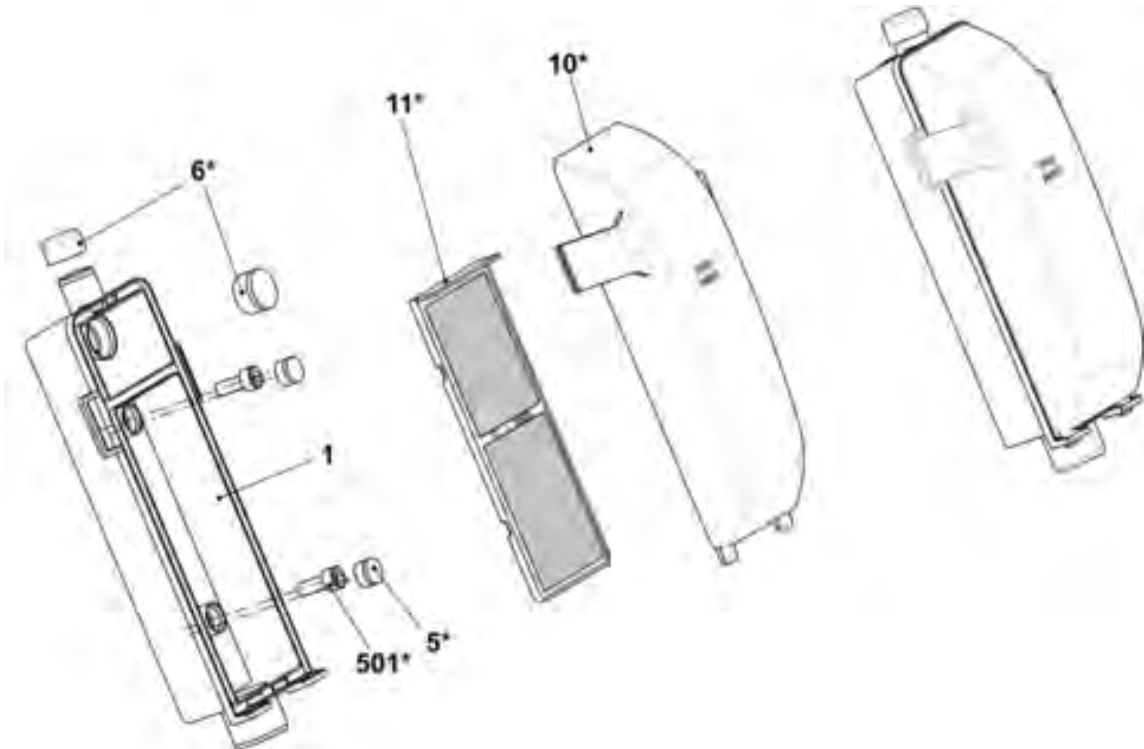
9.1 Fluff absorption

Pos	Designation	Id		Pos	Designation	Id
Σ	Fluff absorption			6	Lint container	245 024
1	Suction fan complete	251 333		7	Set of tubes on the left complete 922/933	251 349
2	Suction hose 29x25x150	251 348		8	Set of tubes on the right complete 922/933	251 350
3	Hose connector	245 011		500	Cap screw M8x16	023 629
4	Suction hose 29x25x3750	251 336		550	Countersunk head screw M4x8	251 011
5	Hose fitting	214 653		551	Cap screw M4x8	022 501



9.1.1 Lint container

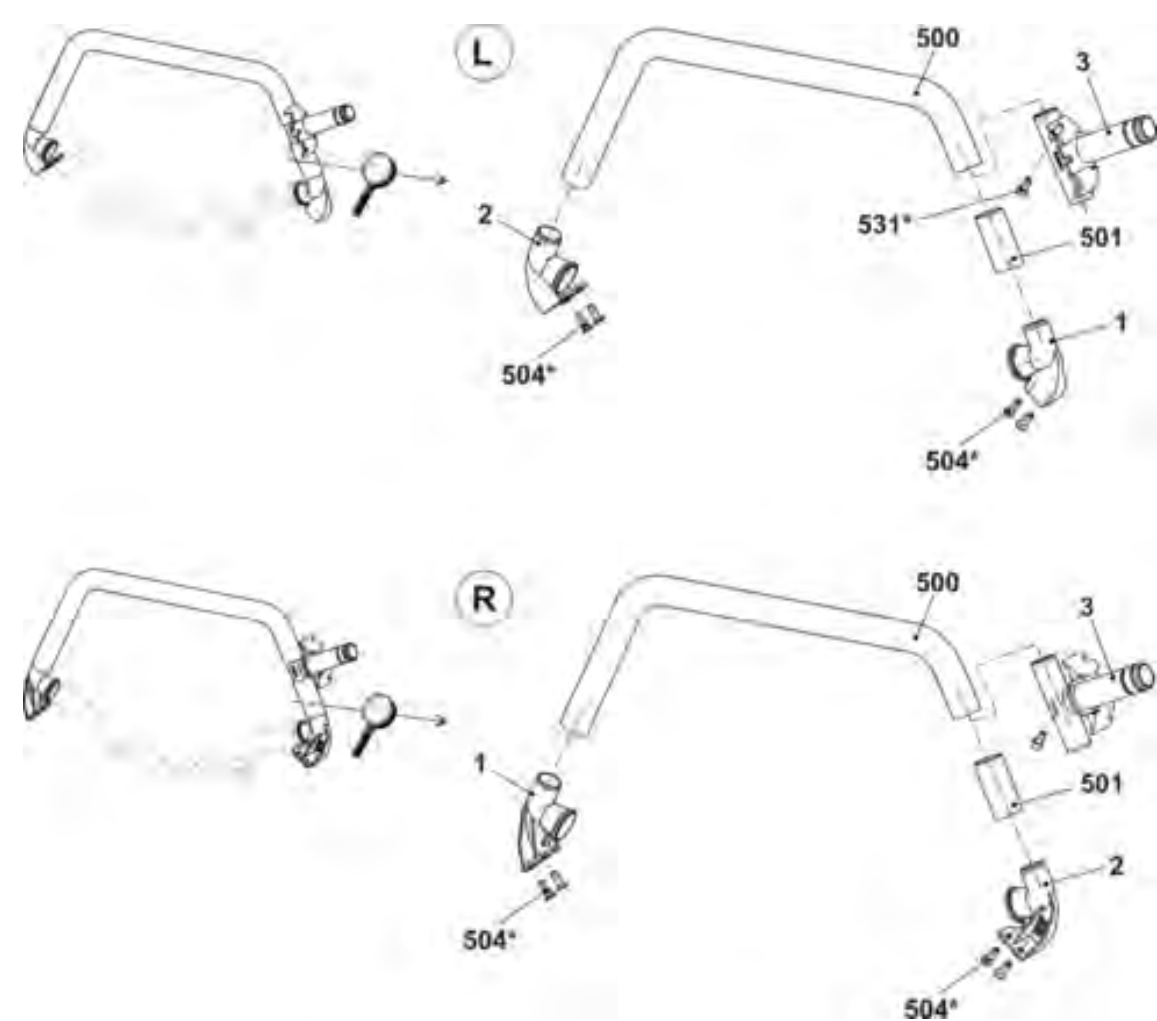
Pos	Designation	Id		Pos	Designation	Id
Σ	Lint container					
1	Lint container	245 024		10*	Cover lint container	245 027
5*	Sealing plug	245 028		11*	Filter	245 025
6*	Sealing plug	245 029		501*	Cap screw M6X10	023 690



9.1 Fluff absorption

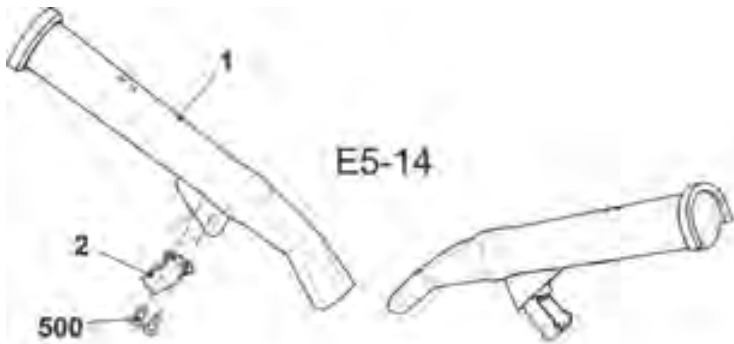
9.1.2 Set of tubes on the left and right

Pos	Designation	Id		Pos	Designation	Id
L	Set of tubes on the left complete 922/933	251 349				
R	Set of tubes on the right complete 922/933	251 350		500	Suction hose 20x16x400	244 983
1	Angle connection on the right	250 121		501	Suction hose 20x16x40	251 043
2	Angle connection on the left	251 101		504*	Countersunk head screw M4x8	251 011
3	T-piece FLENT	245 021		531*	Cap screw M4x8	022 501



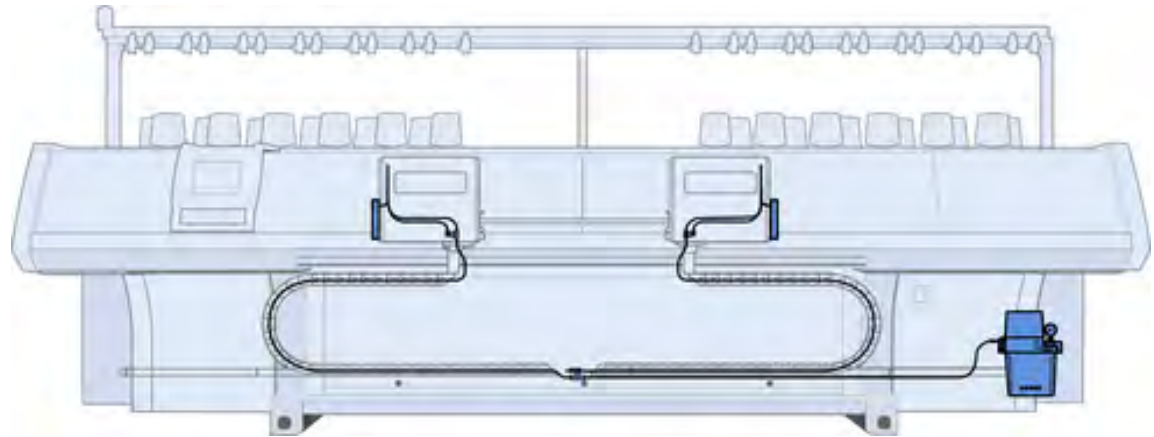
9.1.3 Suction tube

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



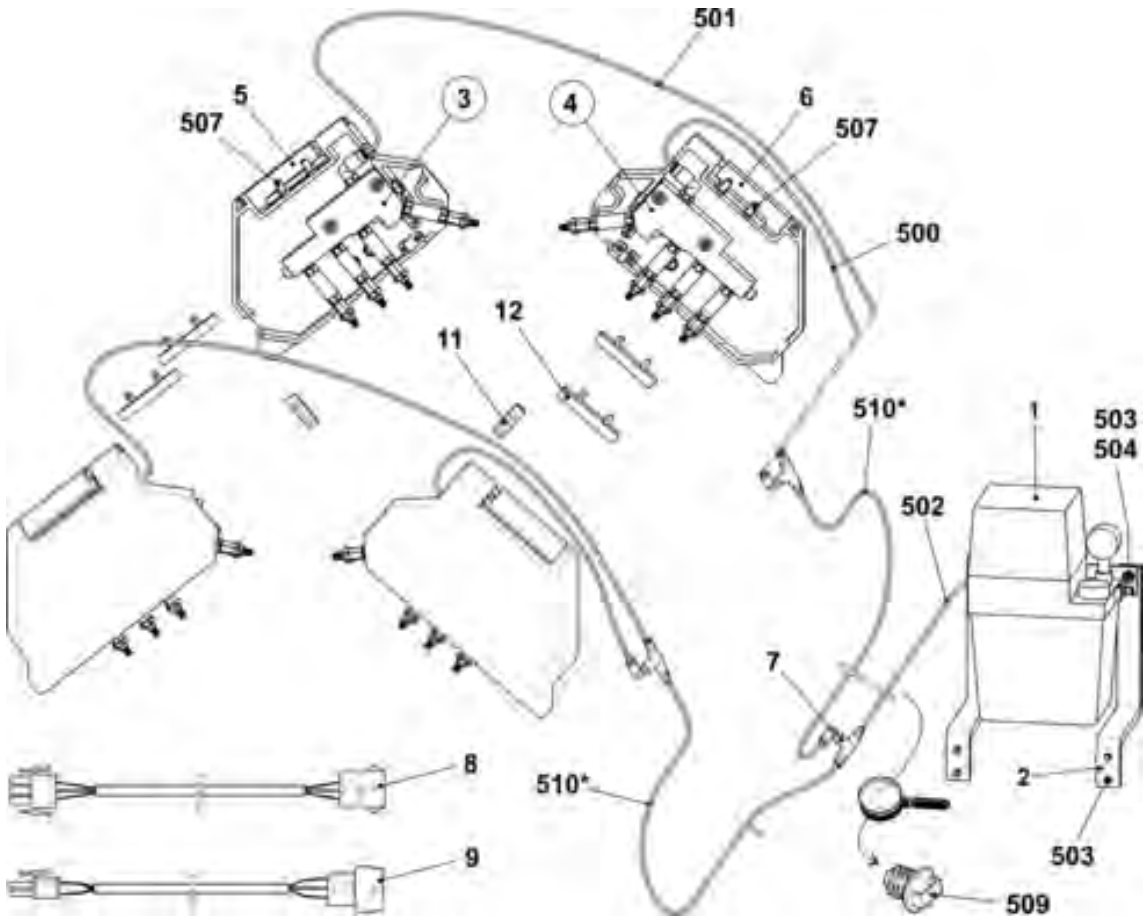
Notes:

10 Central lubrication



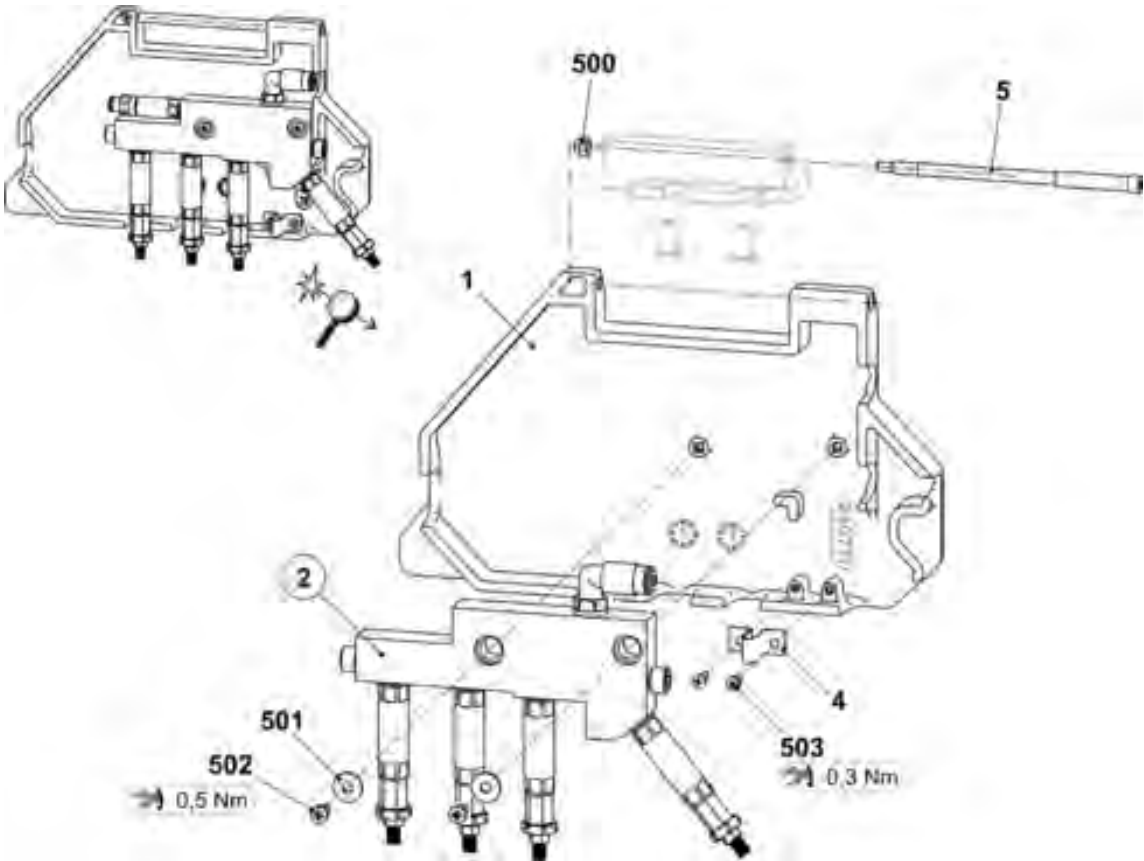
10.1 Central lubrication

Pos	Designation	Id		Pos	Designation	Id
Σ	Central lubrication	256 106		11	Sealing plug	240 777
1	Oil central lubricating pump Vogel	235 068		12	Border	240 778
2	Support for oil equipment	241 636		500	Hose D6, L = 500	235 037
3	Lubricating unit at the front complete	256 049		501	Hose D6, L = 1000	235 038
4	Lubricating unit at the rear complete	256 050		502	Hose D6, L = 2500	236 545
5	Joint at the front	240 791		503	Cap screw M8x16	023 629
6	Joint at the rear	240 792		504	U-washer 8	020 883
7	T-piece complete	235 039		507	Pan-head screw M6x12	235 935
8	Cable mains supply	244 406		509	Assembling element	209 543
9	Cable control CL	238 704		510*	Hose D6, L = 3300	235 044



10.1.1 Lubricating unit at the front complete

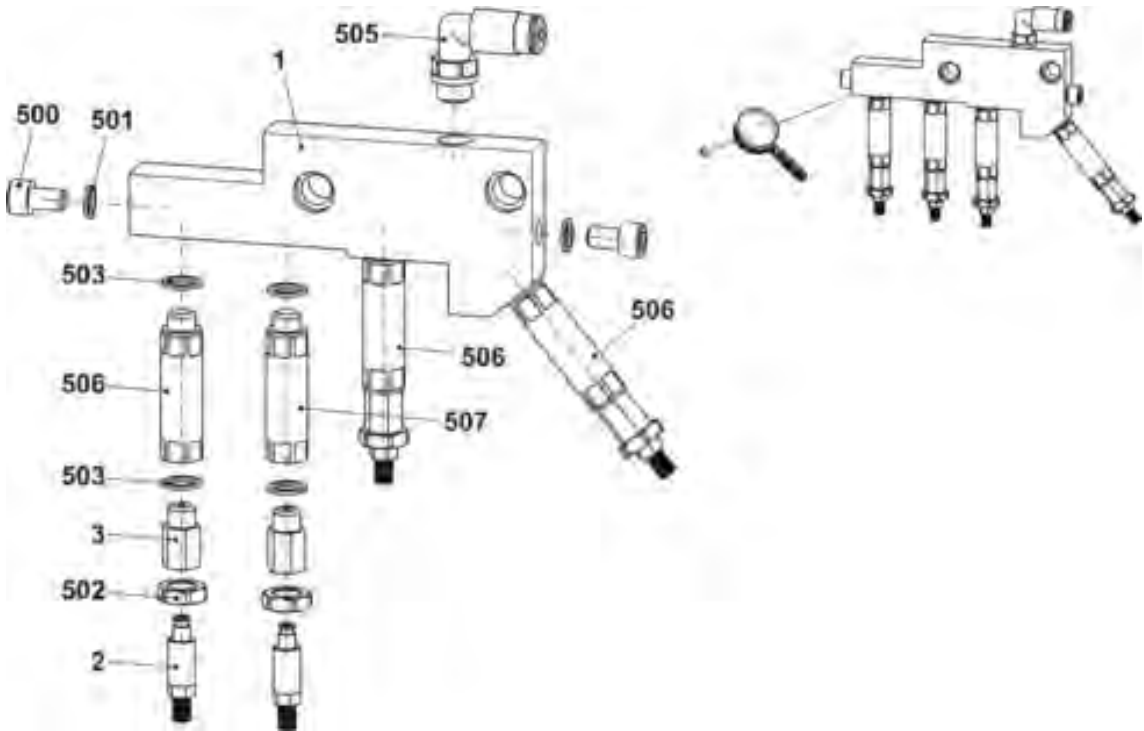
Pos	Designation	Id		Pos	Designation	Id
Σ	Lubricating unit at the front complete	256 049				
1	Housing at the front	240 771		500	Hexagon nut M4	023 046
2	Distributor complete	256 048		501	U-washer 4	023 047
4	Locking plunger	235 054		502	Screw KB 40x8	238 089
5	Shoulder screw	240 790		503	Screw KB 30x8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



10.1 Central lubrication

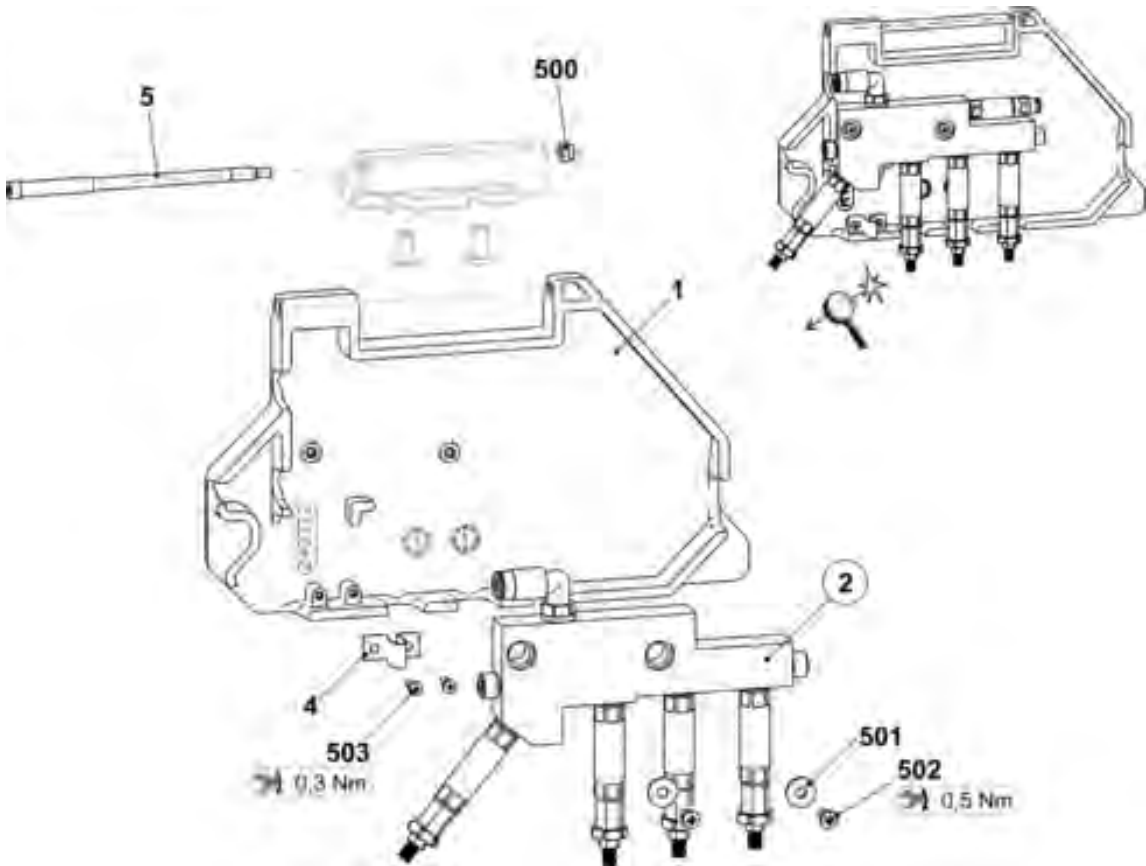
10.1.1.1 Distributor complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Distributor complete	256 048				
1	Distributor	255 839		502	Hexagon nut M8-04	020 856
2	Brush	235 050		503	Sealing ring A8x11.5	023 892
3	Adapter brush	235 049		505	Swivelling connection	235 067
500	Cap screw M6X10	023 690		506	Dosing unit screw connection	235 079
501	Sealing ring A6.5x9.5	237 456		507	Dosing unit screw connection	237 809



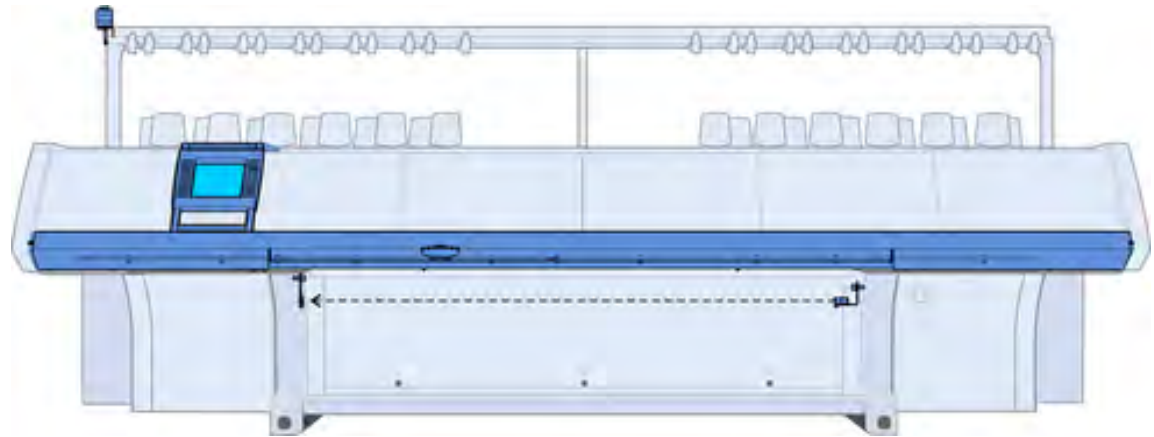
10.1.2 Lubricating unit at the rear complete

Pos	Designation	Id		Pos	Designation	Id
Σ	Lubricating unit at the rear complete	256 050				
1	Housing at the rear	240 772		500	Hexagon nut M4	023 046
2	Distributor complete	256 048		501	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



Notes:

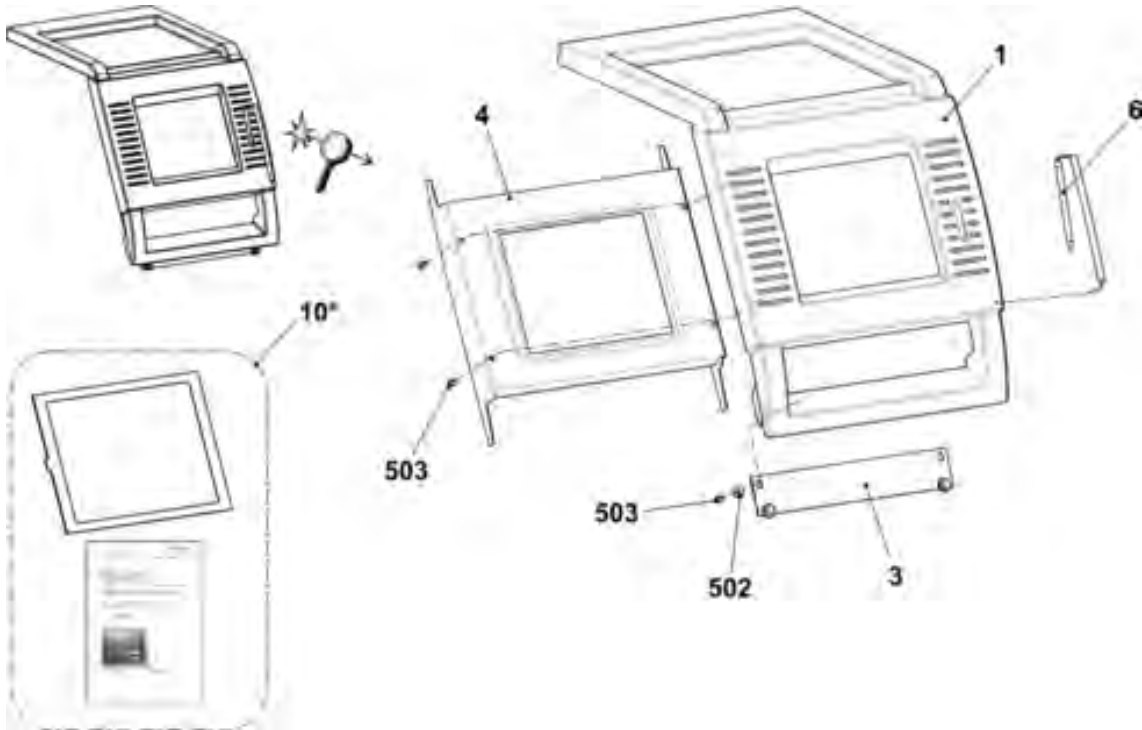
11 Operation and control



11.1 Input unit

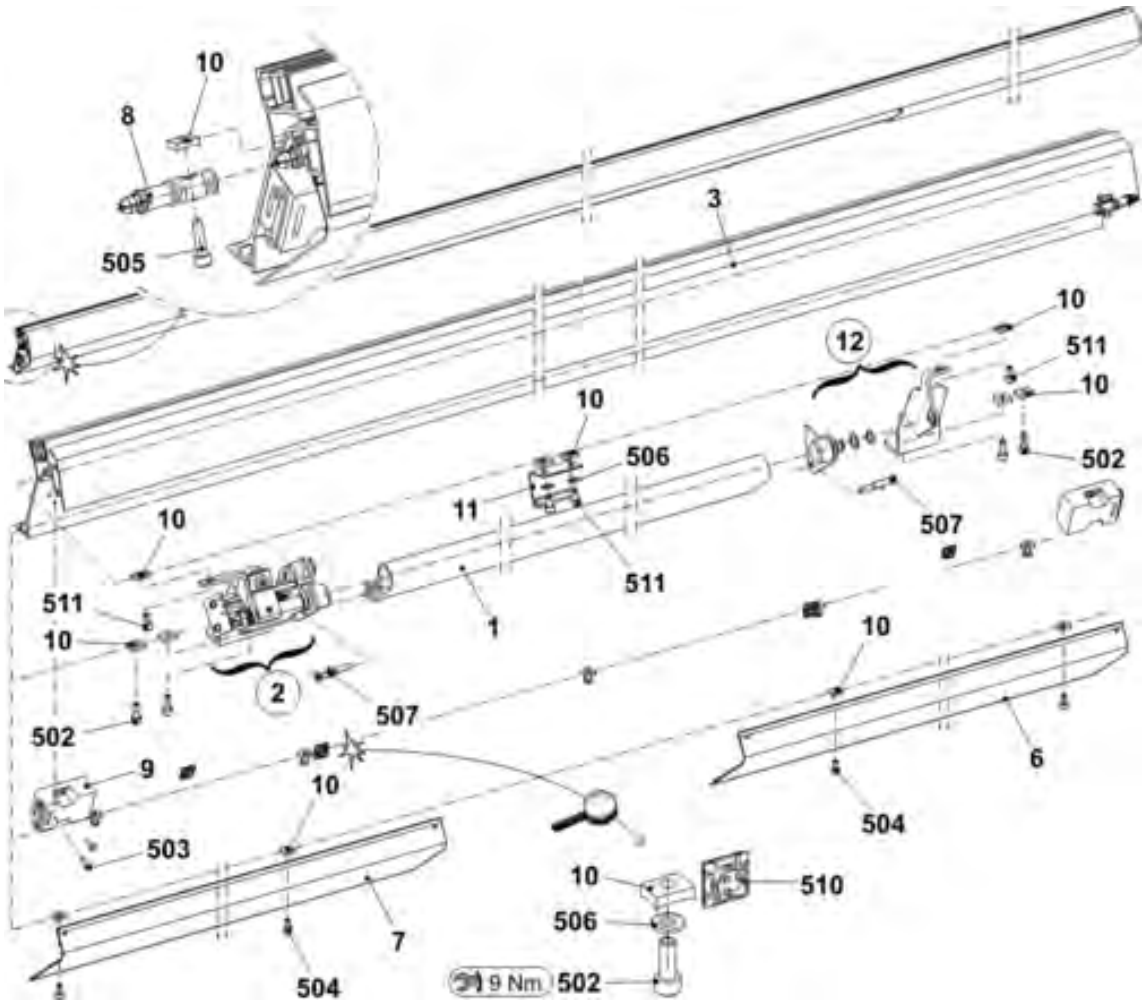
11.1 Input unit

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 Starting unit

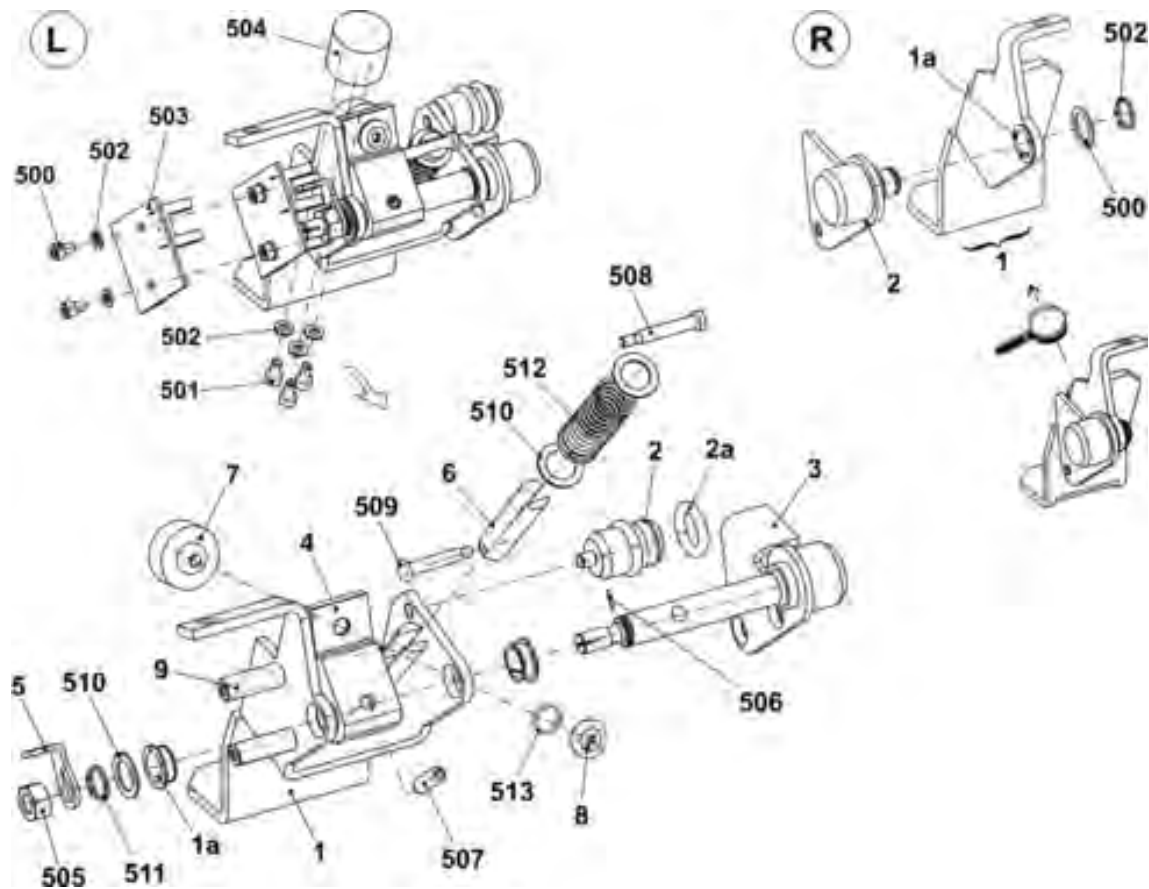
Pos	Designation	Id	Pos	Designation	Id
Σ	Starting unit complete	241 229			
1	Engaging rod	241 224	12	Bearing on the right complete	252 964
2	Bearing on the left complete	250 071	502	Cap screw M6x16	020 135
3	Guide rail at the bottom complete	251 228	503	Countersunk screw M5x14	023 588
6	Cover plate on the right	251 218	504	Cap screw M6X12	020 134
7	Cover plate on the left	251 219	505	Cap screw M6X20	020 136
8	Fixing bolt	219 107	506	U-washer 6	020 872
9	Switch with cable to protective hoods	223 350	507	Screw M6x25	023 510
10	Sliding nut (sliding block)	225 099	510	Adhesive base	243 055
11	Stabilizator	244 634	511	Cap screw M6X10	023 690



11.2 Starting unit

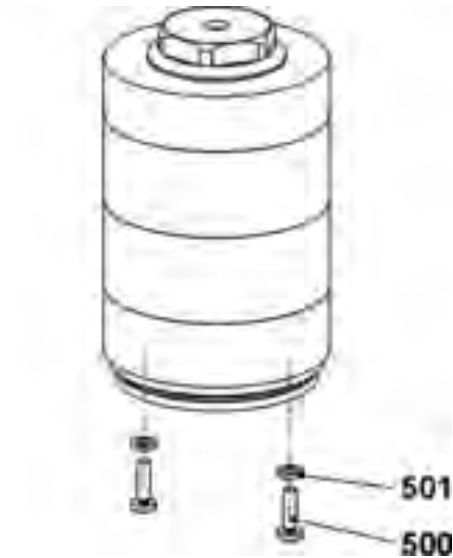
11.2.1 Bearing of the engaging rod

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



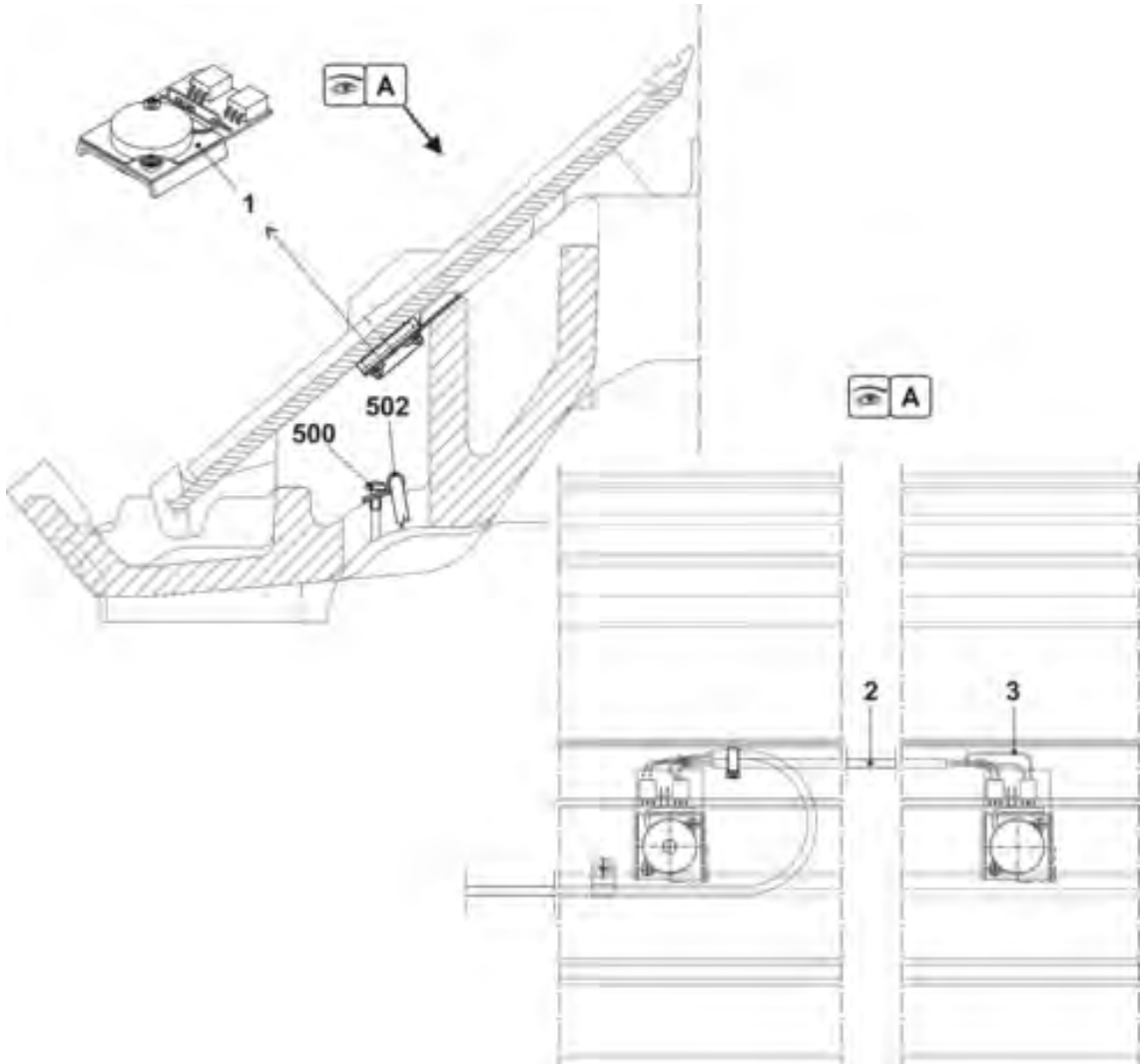
11.3 Signal light

Pos	Designation		Ident No.		Pos	Designation		Ident No.
Σ	Warning light LED		240 395					
	500	Countersunk screw M4x14	023 037					
	501	Serrated lock washer A4.3-FS	022 482					



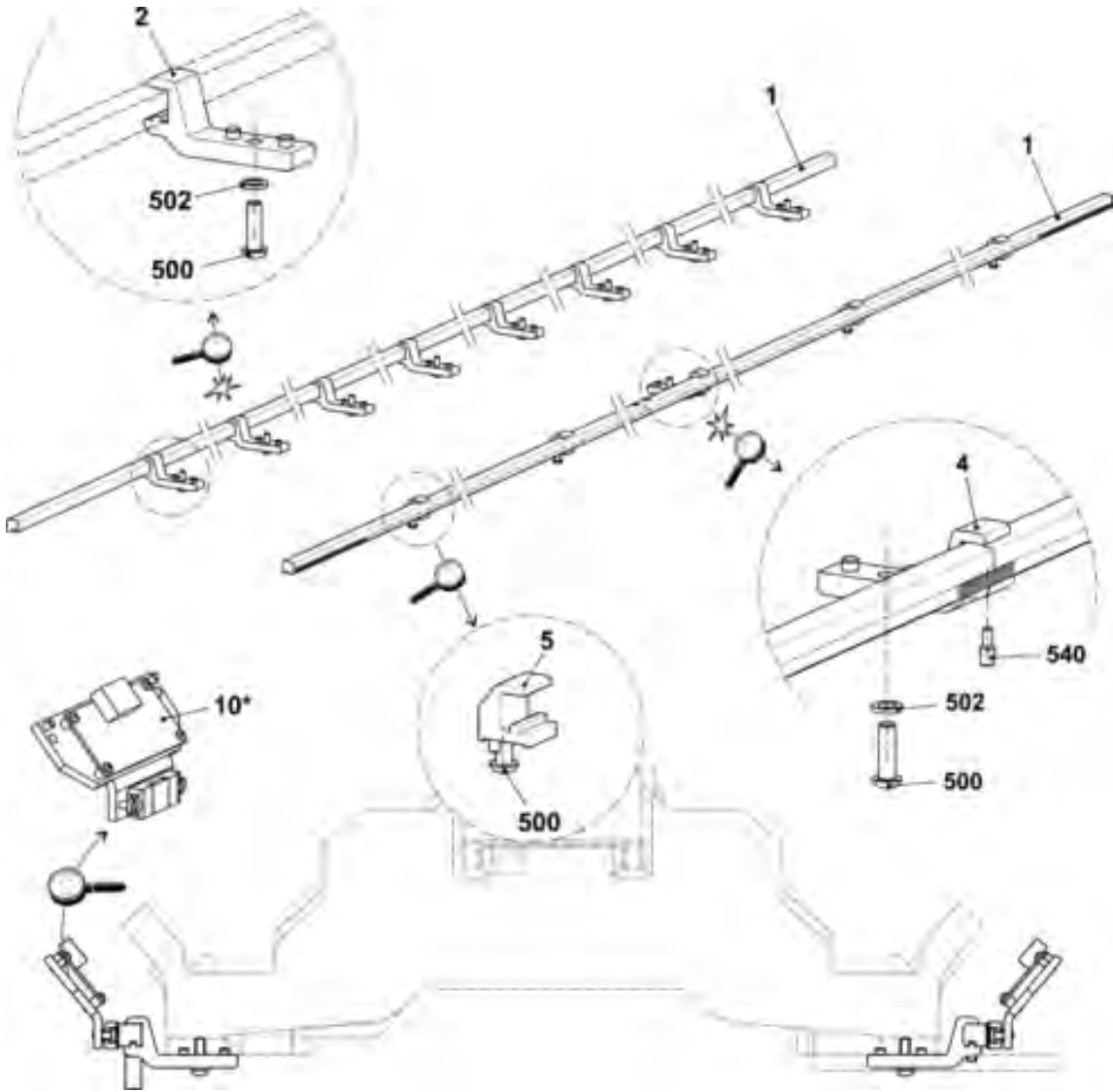
11.4 Shock stop motion

Pos	Designation	Id		Pos	Designation	Id
Σ	Shock stop motion complete	220 873		3	End plug piezo sensor	220 053
1	Shock stop motion (Piezo)	220 011		500	Pan-head screw M4x8	023 036
2	Connecting cable piezo sensor	220 063		502	Cable clip N-3B, 5 mm	210 729



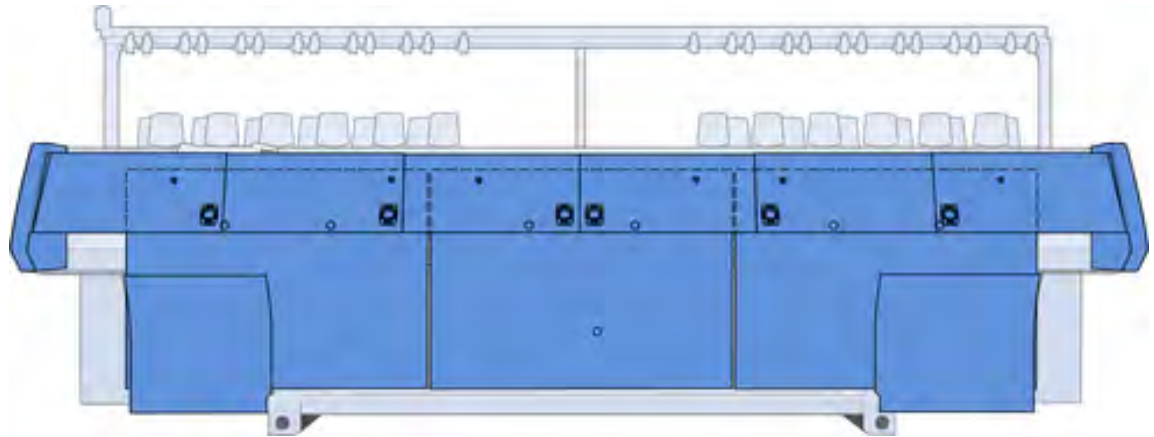
11.5 Measuring device

Pos	Designation		Id		Pos	Designation		Id
Σ	Measuring device		242 950					
1	Measuring bar		242 358		5	Guidance exterior		251 633
2	Guidance		212 210		500	Countersunk screw		241 603
4	Guidance		240 672		502	U-washer		020 881
	540	Set screw	230 803		10*	Measuring head complete		240 562



Notes:

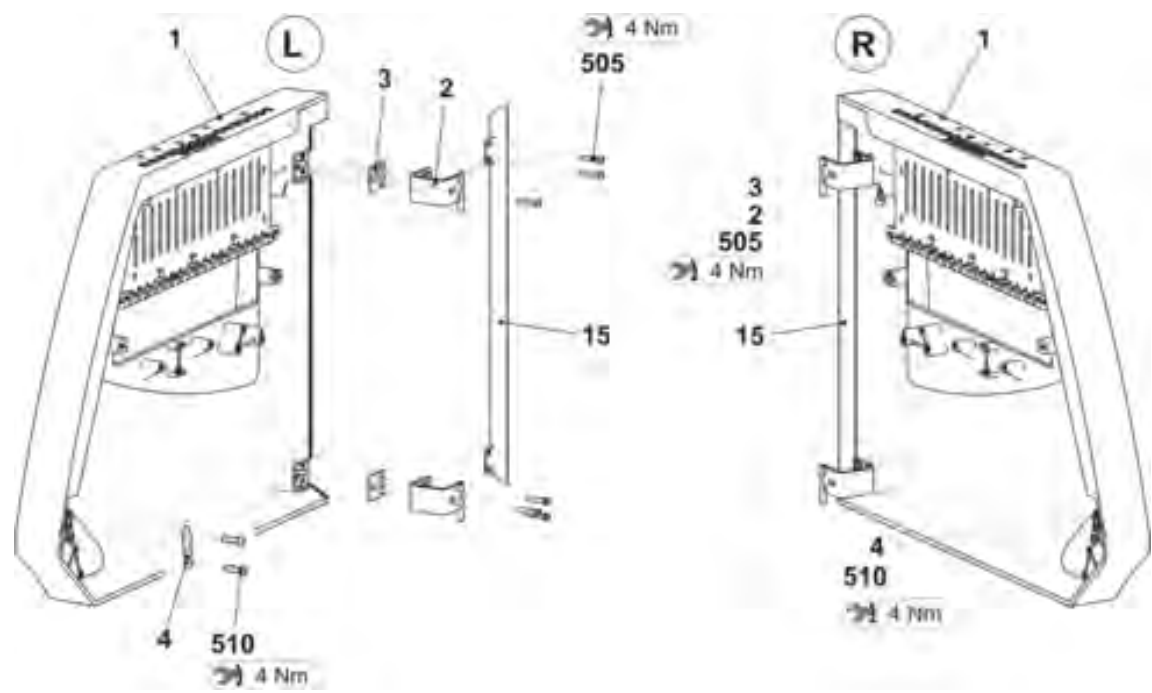
12 Protective device



12.1 Lateral safety covers

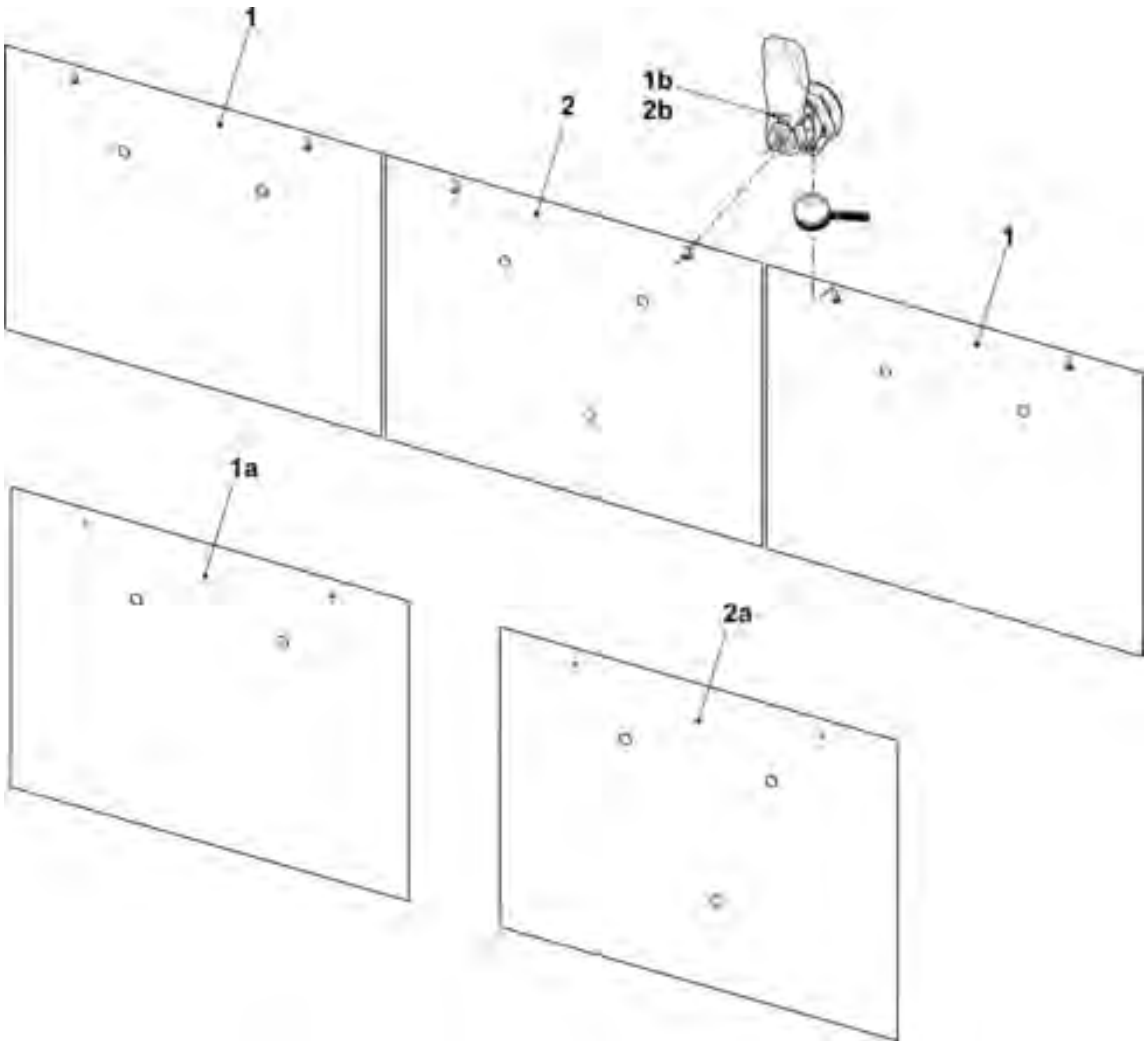
12.1 Lateral safety covers

Pos	Designation	Id		Pos	Designation	Id
Σ	Safety cover on the left			Σ	Safety cover on the right	
1	Safety cover on the left	250 562		1	Safety cover on the right	250 563
2	Hinge left safety cover	242 751		2	Hinge right safety cover	242 752
3	Plate	224 717		3	Plate	224 717
4	Locking plate	219 748		4	Locking plate	219 748
15	Cover at left safety cover	242 749		15	Cover at left safety cover	242 750
505	Screw KB 60x30	237 683		505	Screw KB 60x30	237 683
510	Screw KB60 x 20	237 682		510	Screw KB60 x 20	237 682



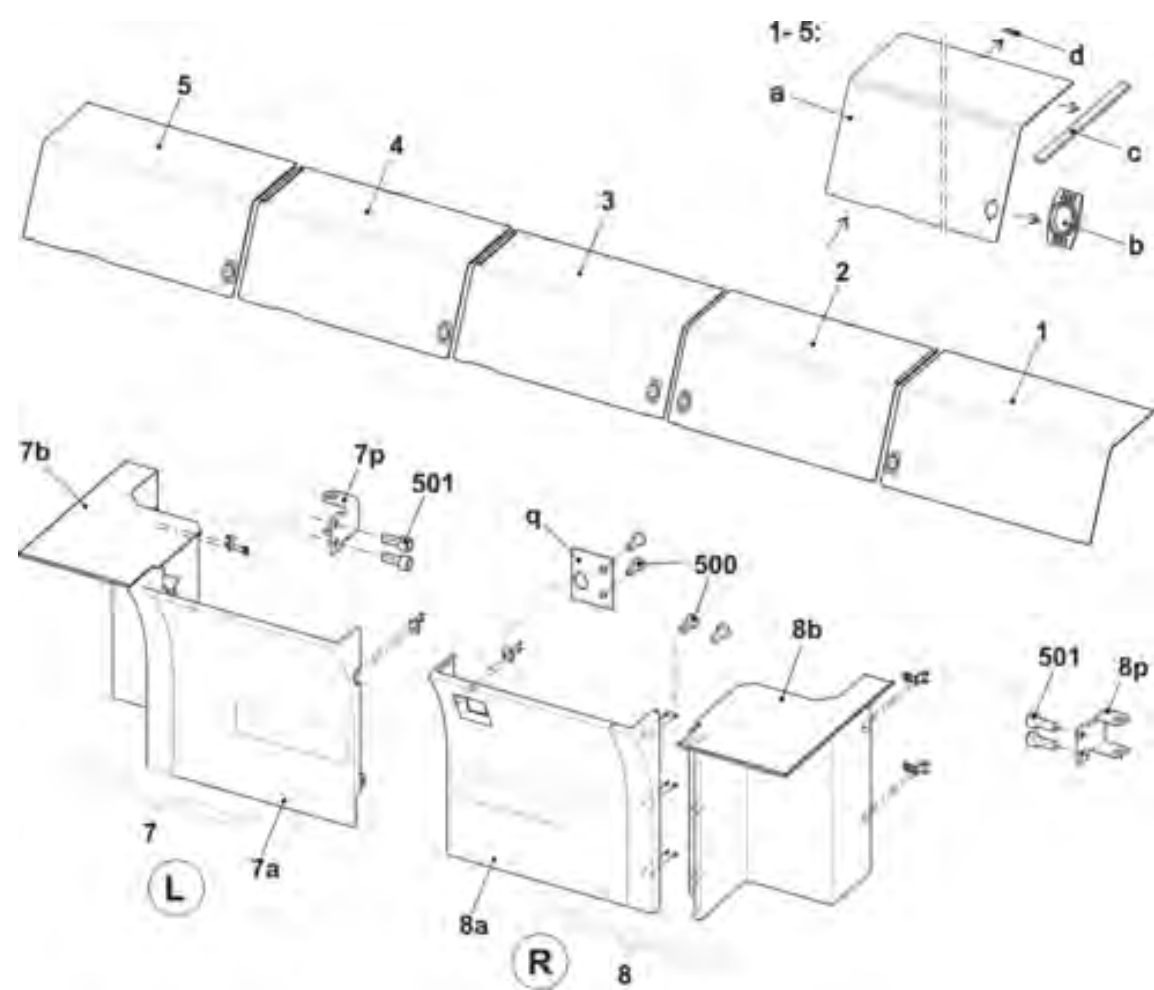
12.2 Rear panel

Pos	Designation		Id		Pos	Designation		Id
1	Panelling at the rear complete		257 716		2	Panelling at the rear complete		257 718
	1a	Panelling at the rear	257 715			2a	Panelling at the rear	257 717
	1b	Safety sash fastener complete	243 052			2b	Safety sash fastener complete	243 052

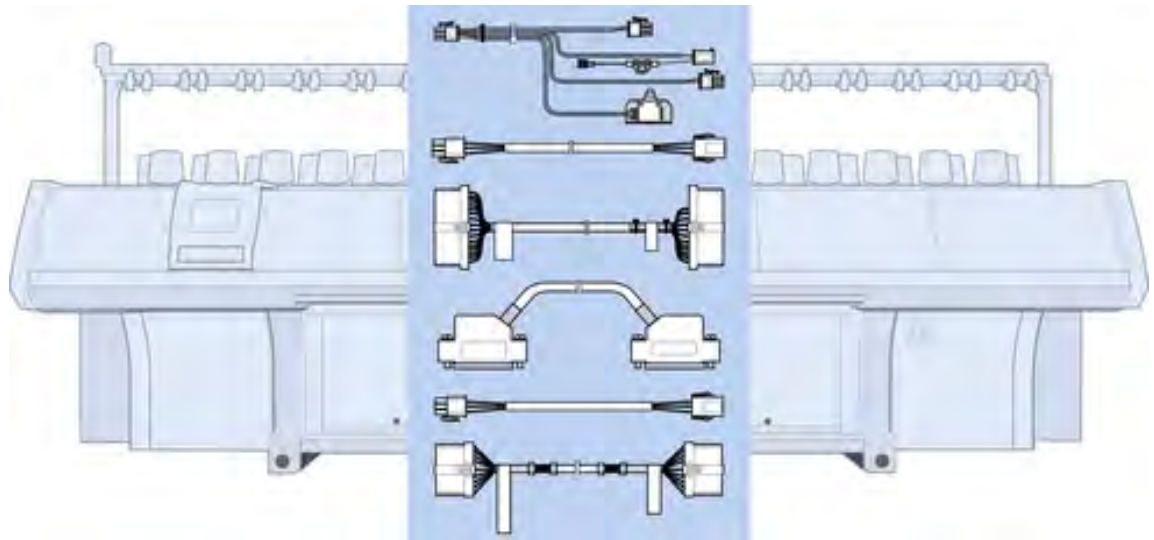


12.3 Panelling

Pos	Designation		Id	Pos	Designation		Id
1	Cover 1 (complete)		257 321	4	Cover 4 (complete)		257 324
	1a	Cover 1	257 310		4a	Cover 4	257 313
2	Cover 2 (complete)		257 322	5	Cover 5 (complete)		257 325
	2a	Cover 2	257 311		5a	Cover 5	257 317
3	Cover 3 (complete)		257 323	b	Inlet type handle		251 376
	3a	Cover 3	257 312	c	Stripper		219 393
				d	Magnet		204 666
7	Control unit panelling on the left complete		251 161	8	Control unit panelling on the right complete		251 160
	7a	Control unit panelling on the left	251 188		8a	Control unit panelling on the right	251 189
	7b	Side part on the left	251 162		8b	Side part on the right	251 163
	7p	Hinge on the left	252 890		8q	Hinge on the right	252 891
7/8	q	Strap	240 412	7/8	500	Screw KB 50x12	240 359
					501	Cap screw M6x16	020 135

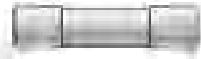


13 Electrical equipment



13.1 Fuses

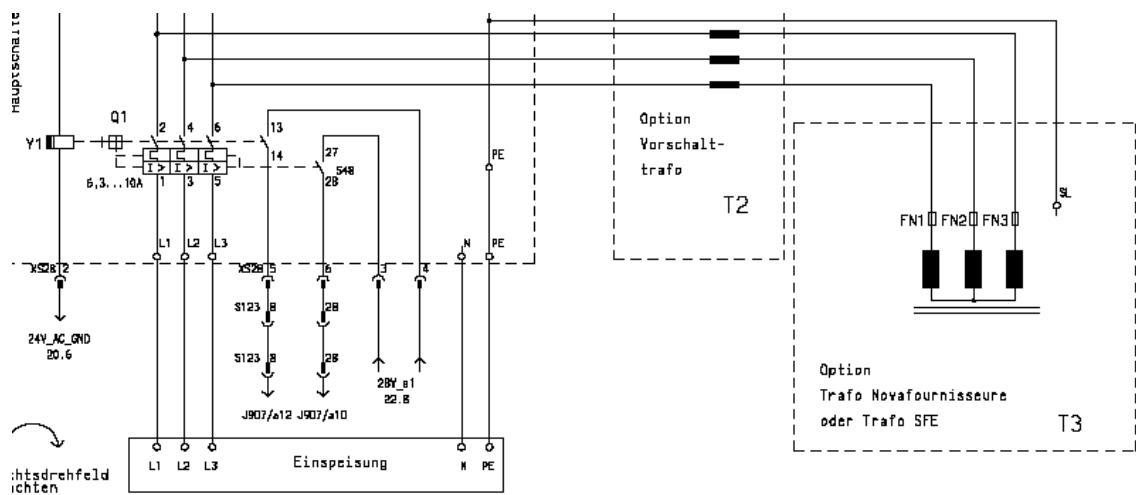
13.1 Fuses

	Designation	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

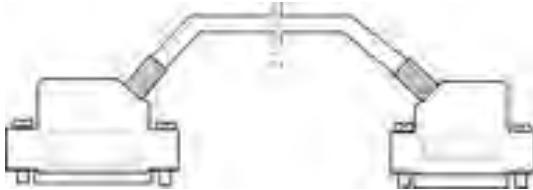
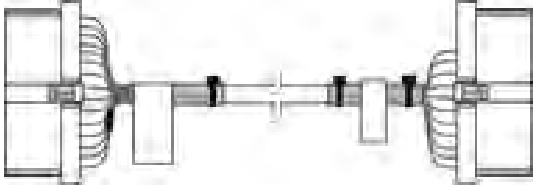
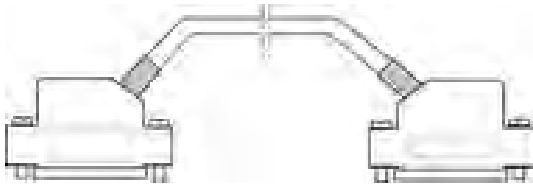
13.2 Circuit diagram (221) as PDF

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

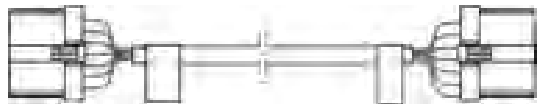
You will find the circuit diagram 221 on the CMS documentation DVD with the ID 257 157



13.3 Trailing cable

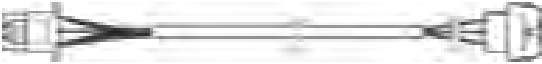
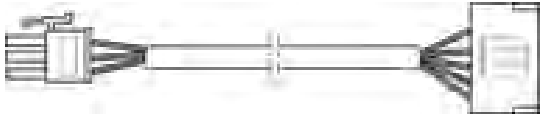
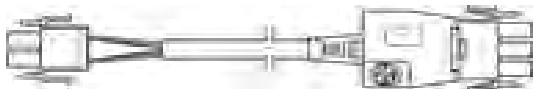
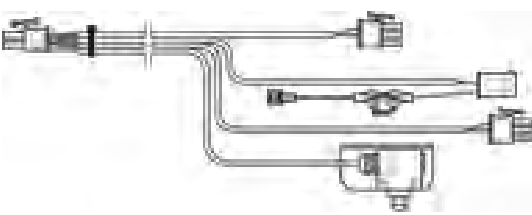
Designation	Id		Designation	Id
Cable impulse giver at the rear o the left XL138	242 703		Cable SM rear left XL321	242 709
Cable impulse giver at the front on the left XL139	242 704		Cable SM front left XL323	242 711
Cable impulse giver at the rear on the right XL136	242 705		Cable SM rear right XL325	242 713
Cable impulse giver at the front on the right XL137	242 706		Cable SM front right XL327	242 715
				
Cable yarn carrier on the left	242 707		Cable signal at the rear on the left XL322	242 710
Cable yarn carrier on the right	242 708		Cable signal front left XL324	242 712
			Cable signal at the rear on the right XL326	242 714
			Cable signal front right XL328	242 716
				

13.4 Loom of cables 1

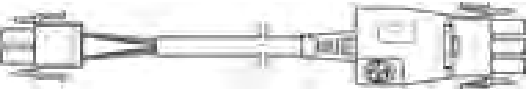
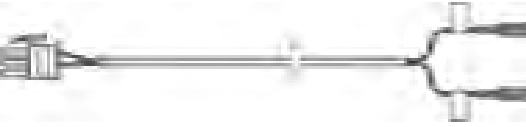
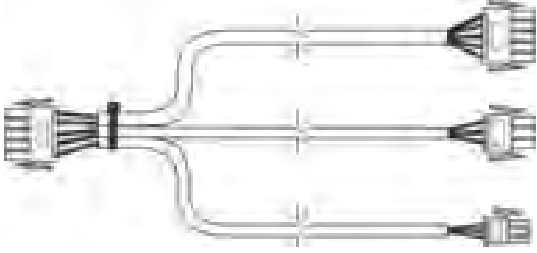
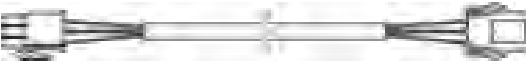
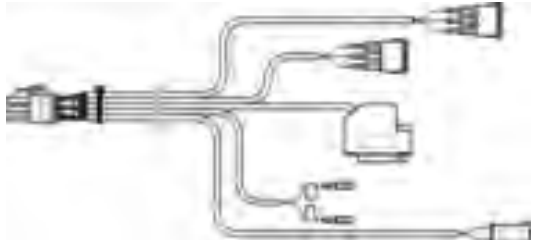
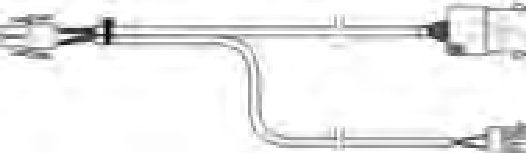
Pos	Designation	Id		Pos	Designation	Id
Σ	Loom of cables 1	242 502				
1	Cable Engaging rod	242 505		2	Cable mains supply FKE lamp	242 506
						
3	Cable protective unit on the left	253 616				
						

13.5 Loom of cables 2

13.5 Loom of cables 2

Pos	Designation	Id	Pos	Designation	Id
Σ	Loom of cables 2	242 503			
1	Cable motor HIAB pressure roller	242 508	2	Cable impulse giver pressure roller	242 509
					
3	Cable limit switch racking	242 510	4	Cable ventilator drive	242 511
					
5	Cable Feed wheel on the right	242 512	6	Cable Drive motor	242 513
					
7	Cable resolver drive	242 514	8	Cable Racking motor	242 515
					
9	Cable resolver racking	242 516	10	Cable protective unit on the right	253 615
					
11	Cable fabric sensor	242 518			
					

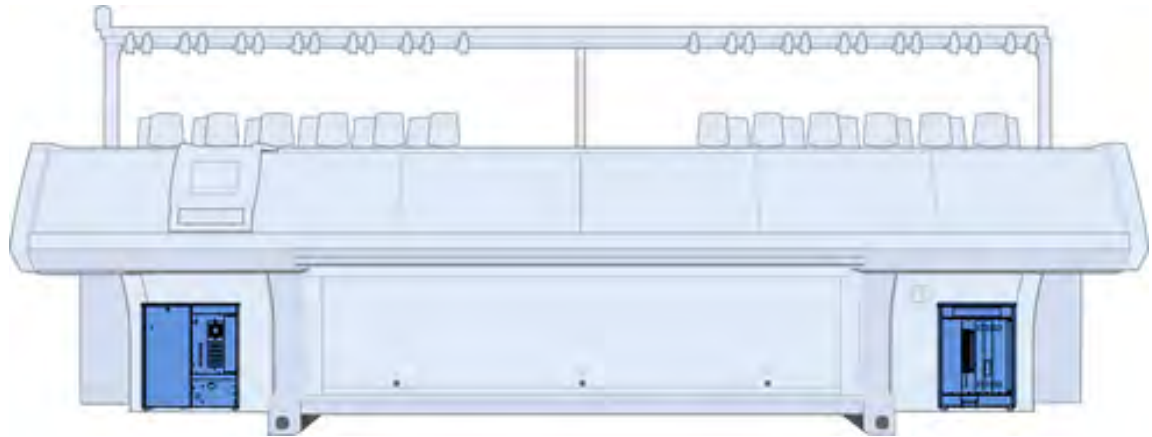
13.6 Loom of cables 3

Pos	Designation	Id	Pos	Designation	Id
Σ	Loom of cables 3	242 504			
1	Cable CAN	242 522	2	Cable Electro	242 523
					
3	Cable Feed wheel on the left	242 524	4	Cable motor HAAB	242 521
					
5	Cable switch HAAB	242 520	6	Cable power supply WAZ/F	242 765
					
7	Cable power supply Servo	242 766	8	Cable power supply unit of mains supply	242 767
					
9	Cable power supply lighting	242 768	10	Cable motor HIAB	242 525
					
11	Cable impulse giver HIAB	242 526	12	Cable impulse giver HAAB	242 519
					
13	Cable power supply FLENT	251 232			
					

13.6 Loom of cables 3

Notes:

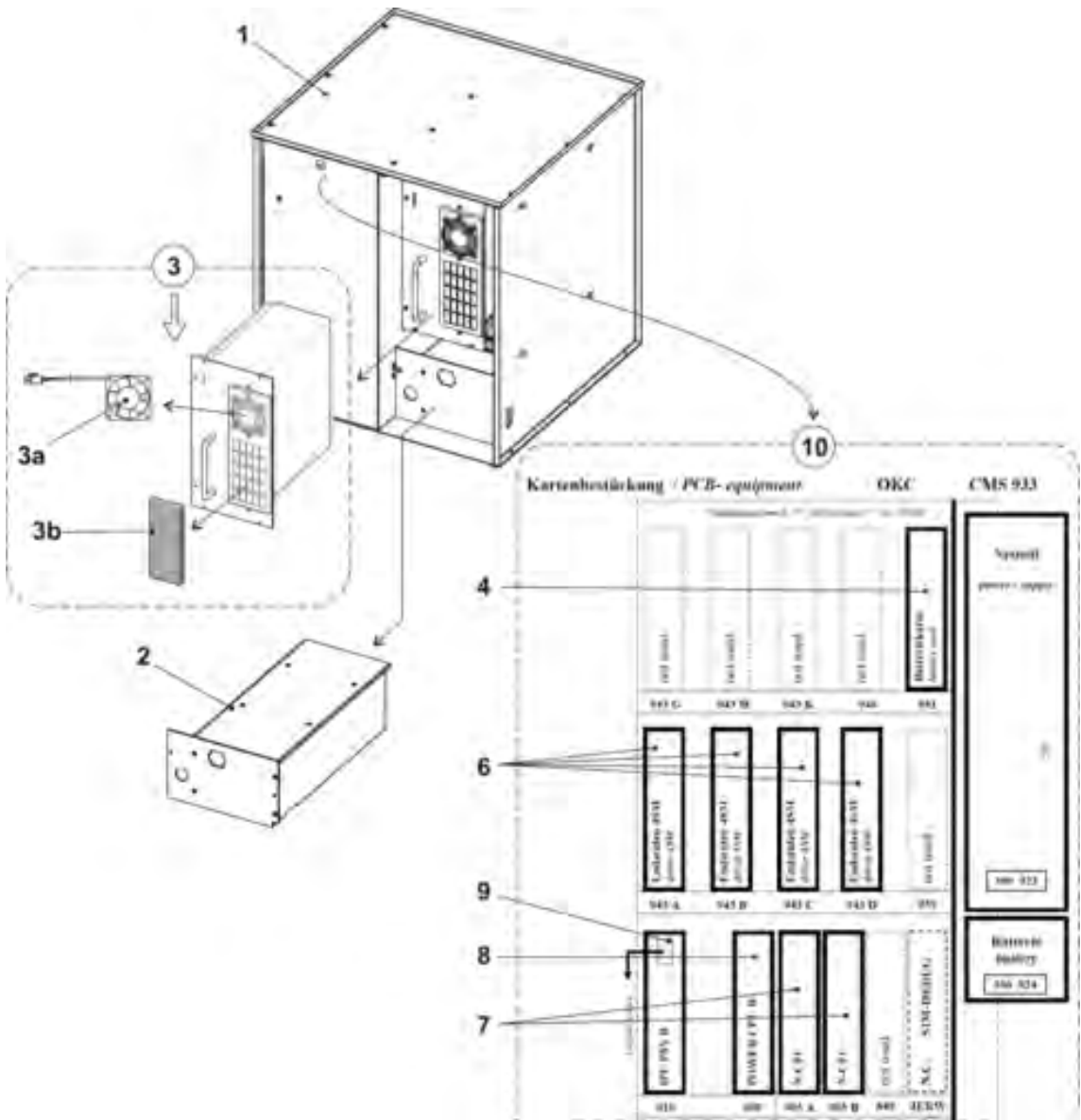
14 Control electronics



14.1 Left control cabinet

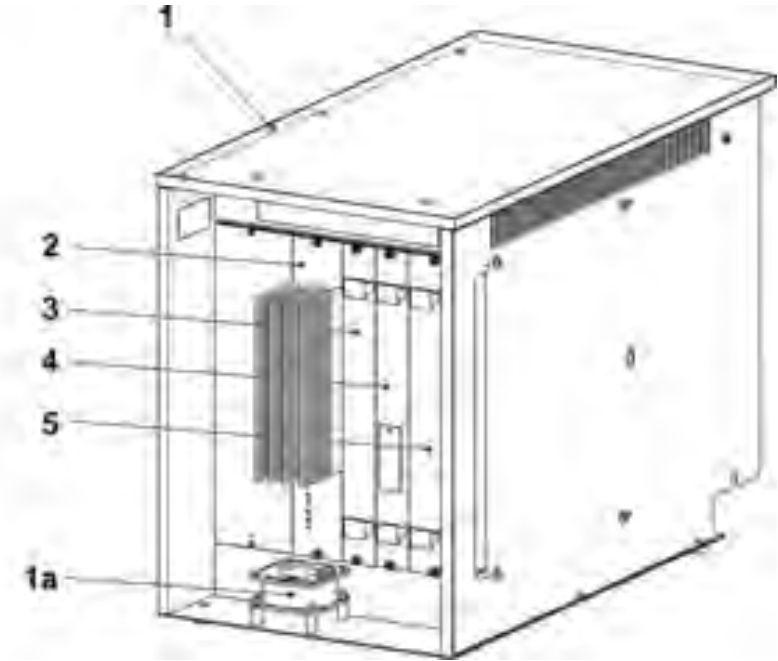
14.1 Left control cabinet

Pos	Designation		Id		Pos	Designation	Id
Σ	Control unit on the left complete		254 860		4	Battery card	300 951
1	Control unit on the left without any equipment		254 868		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		300 923		8	Card power CPU B	301 009
	3a	Ventilator power supply unit	239 305		9	Spare parts packet IPC P8X S 01	257 040
	3b	Filter mat CG54	239 350		10	Adhesive label of card equipment on the left	254 861



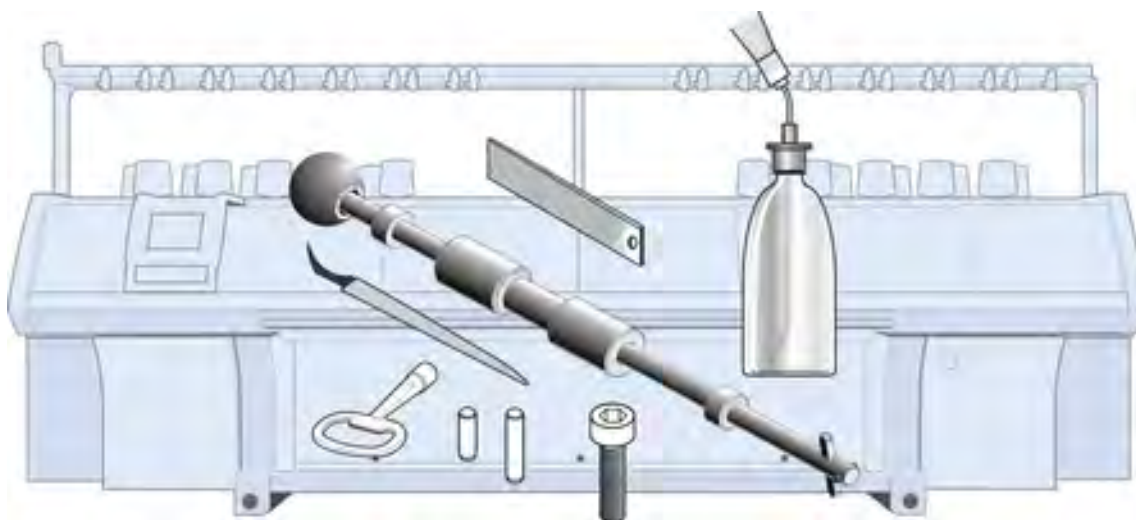
14.2 Right control cabinet

Pos	Designation	Ident No.		Pos	Designation	Ident No.
Σ	Control unit on the right complete	238 738				
1	Control unit on the left without any equipment	238 737		3	Card relay	300 953
1a	Axial fan Servo 5	229 059		4	Card CWAZ	300 929
2	Card servo 6	301 000		5	Card CWAZ capacitor	300 936



Notes:

15 Deliverable accessories



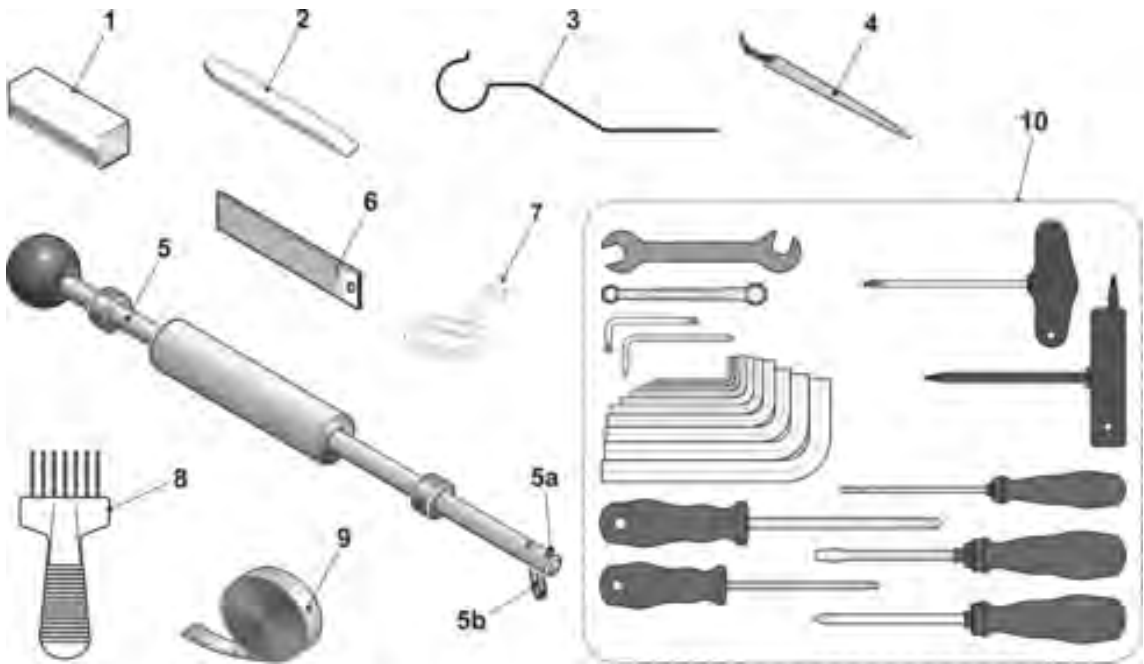
You can order the following tools, lubricants and expendables.

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

15.1 Tool

15.1 Tool

Pos	Designation	Ident No.	Pos	Designation	Ident No.
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 0,90mm 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
2	Channel chisel E14-20 (E5-14)	062 316		Groove cleaner E8	031 236
	Channel chisel E4-8 (E3,5.2)	062 317		Groove cleaner E10 (E5.2)	031 238
	Channel chisel E10-14	062 318		Groove cleaner E12 (E6.2)	031 240
3	Yarn guide on the left	227 071		Groove cleaner E14 (E7.2)	031 242
	Yarn guide on the right	227 070		Groove cleaner E16	225 111
4	Working hook	227 249		Groove cleaner E18 (E9.2)	225 112
5	Extraction hook	232 027		Groove cleaner E20	225 113
	5a Small pin	202 843	9	Measuring tape L=150 cm	228 180
	5b Pin	232 022	10	Tool kit	209 527



15.2 Lubricating stuff

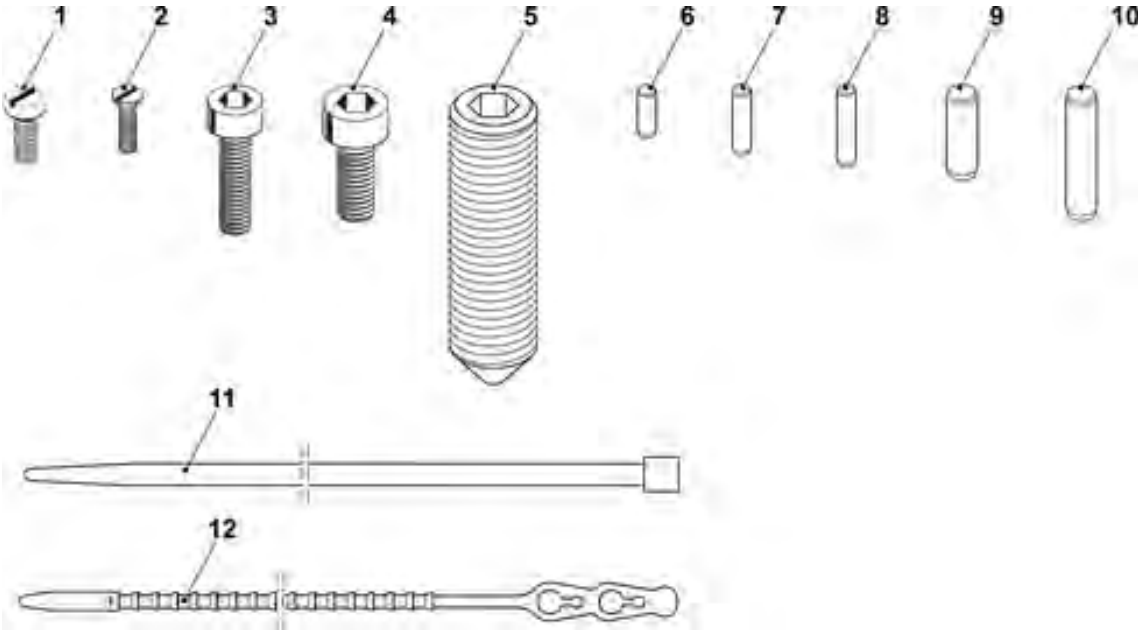
Pos	Designation	Ident No.		Pos	Designation	Ident No.
1	Textile machines oil T46, 1l	230 614		4	Oil combifix	216 732
2	Grease OKS 475, 1kg	009 200		5	White grease paste OKS270	229 372
3	Grease OKS 475, 150g	005 351		6	Grease Staburags NBU 12/300KP	231 191



15.3 Mechanical parts

15.3 Mechanical parts

Pos	Designation	Ident No.		Pos	Designation	Ident No.
1	Cap screw M4x8	020 091		11	Cable binder 203x3.6 mm	025 815
2	Countersunk screw M3x6	020 286			Cable binder T50L	026 294
3	Cap screw M5x16	022 726			Cable binder 140x3.6mm	008 379
4	Cap screw M6x14	022 658			Cable binder 302x4.8mm	008 642
5	Set screw M16x50	023 235			Cable binder 92x2.4mm	008 378
6	Setting pin 3x7	020 643		12	Reusable tie ABV 232 320 mm	026 557
7	Setting pin 3x10	020 645				
8	Setting pin 3x12	020 647				
9	Setting pin 5x12	021 988				
10	Setting pin 5x18	022 622				



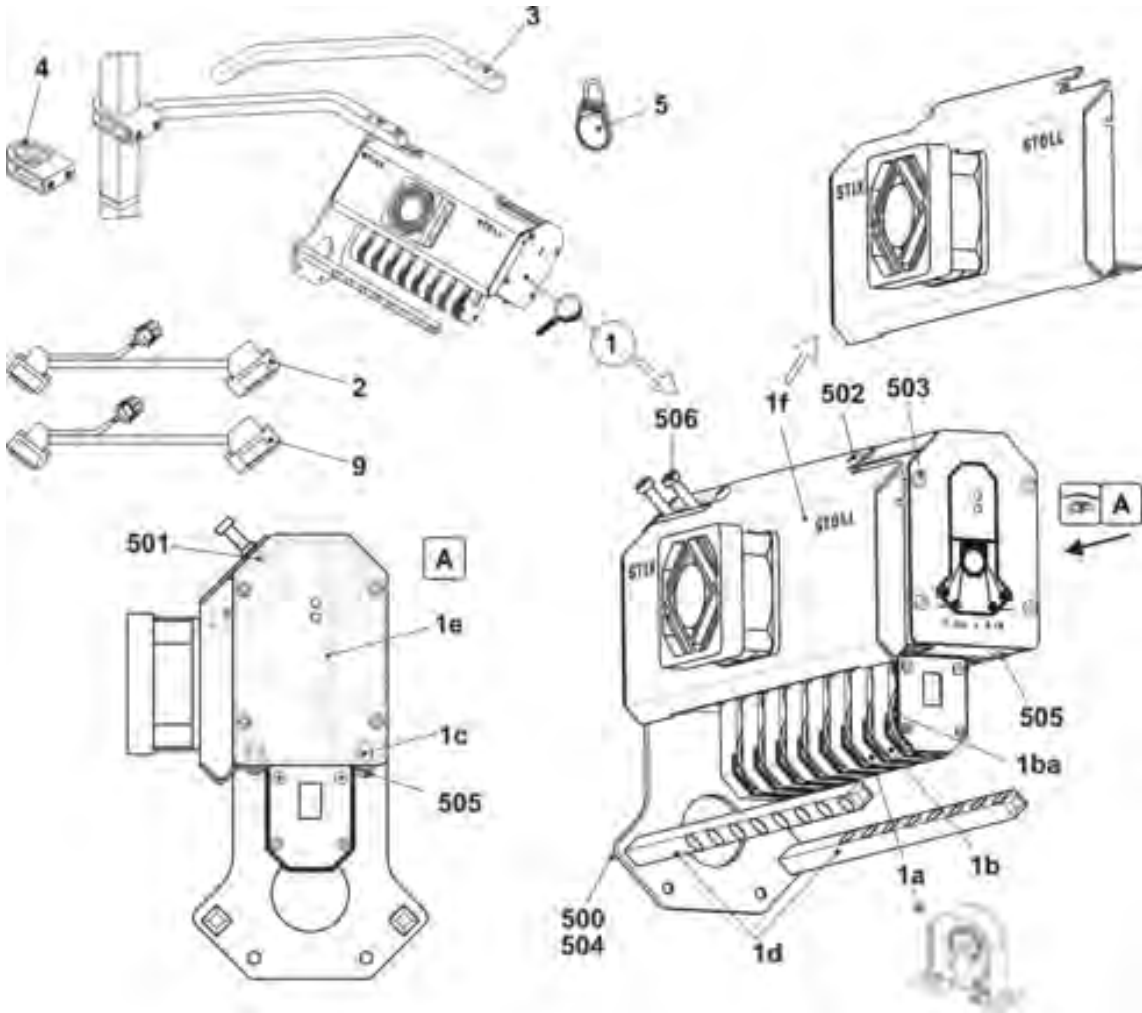
16 Special attachments



16.1 STIXX device

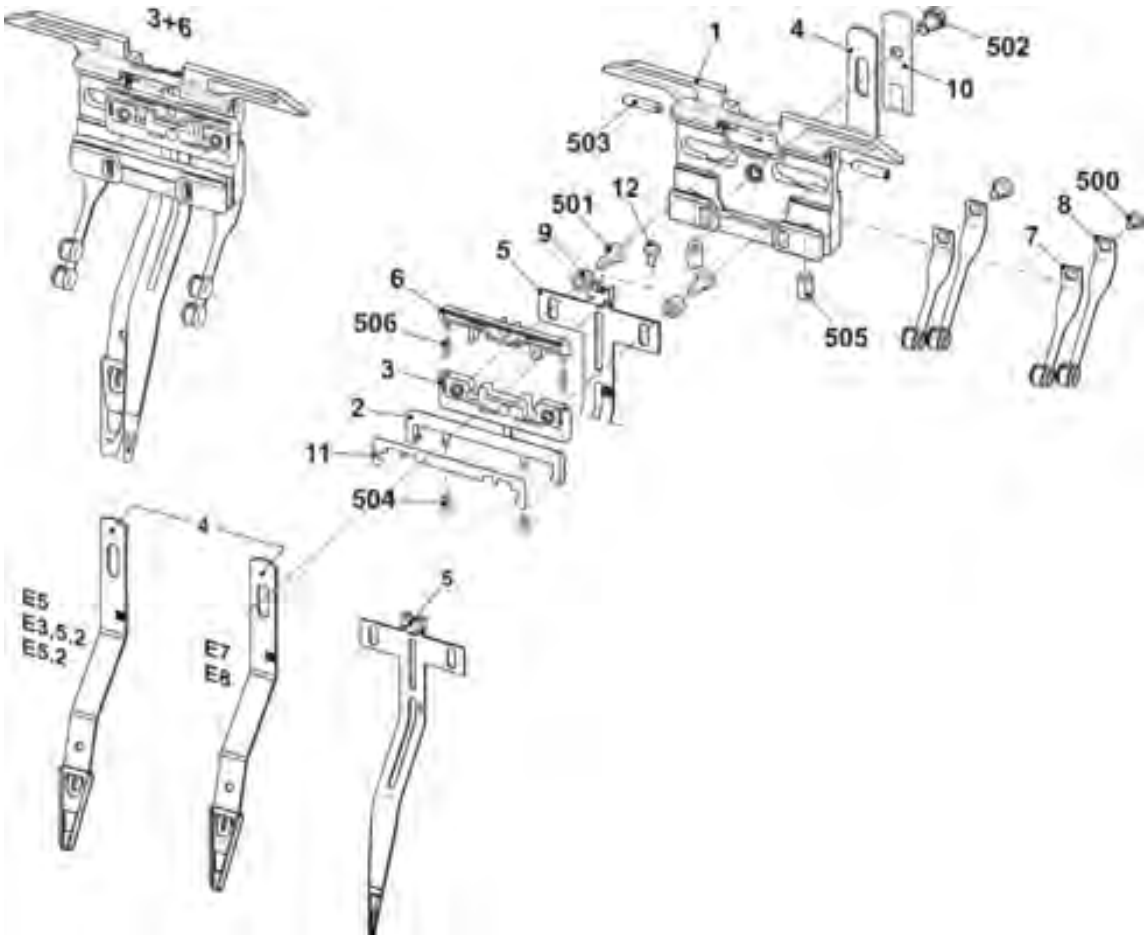
16.1 STIXX device

Pos	Designation		Id		Pos	Designation		Id
Σ	Yarn length measuring device		223 382		4	Clamp		223 025
1	Yarn length measuring device 3		236 275		5	Adjustment weight		212 241
	1a	Sensor	211 354		9	Cable length measuring MSLU7		225 114
	1b	Sensor complete	212 406		500	Countersunk screw M5x10		023 247
	1ba	Rubber running ring	258 582		501	Spring nut M5		022 873
	1c	Threaded strip	211 801		502	Countersunk screw M5x6		023 246
	1d	Yarn guide rod	211 352		503	Sheet metal screw ST 3.5x13		022 940
	1e	Card STIXX-CPU	300 934		504	Spring washer A5		022 454
	1f	Fan complete	212 255		505	Pan head screw M3x10		023 380
2	Cable length measuring		236 718		506	Cap screw M5X22		023 193
3	Support		223 030					



16.2 Plating yarn carrier 3+6

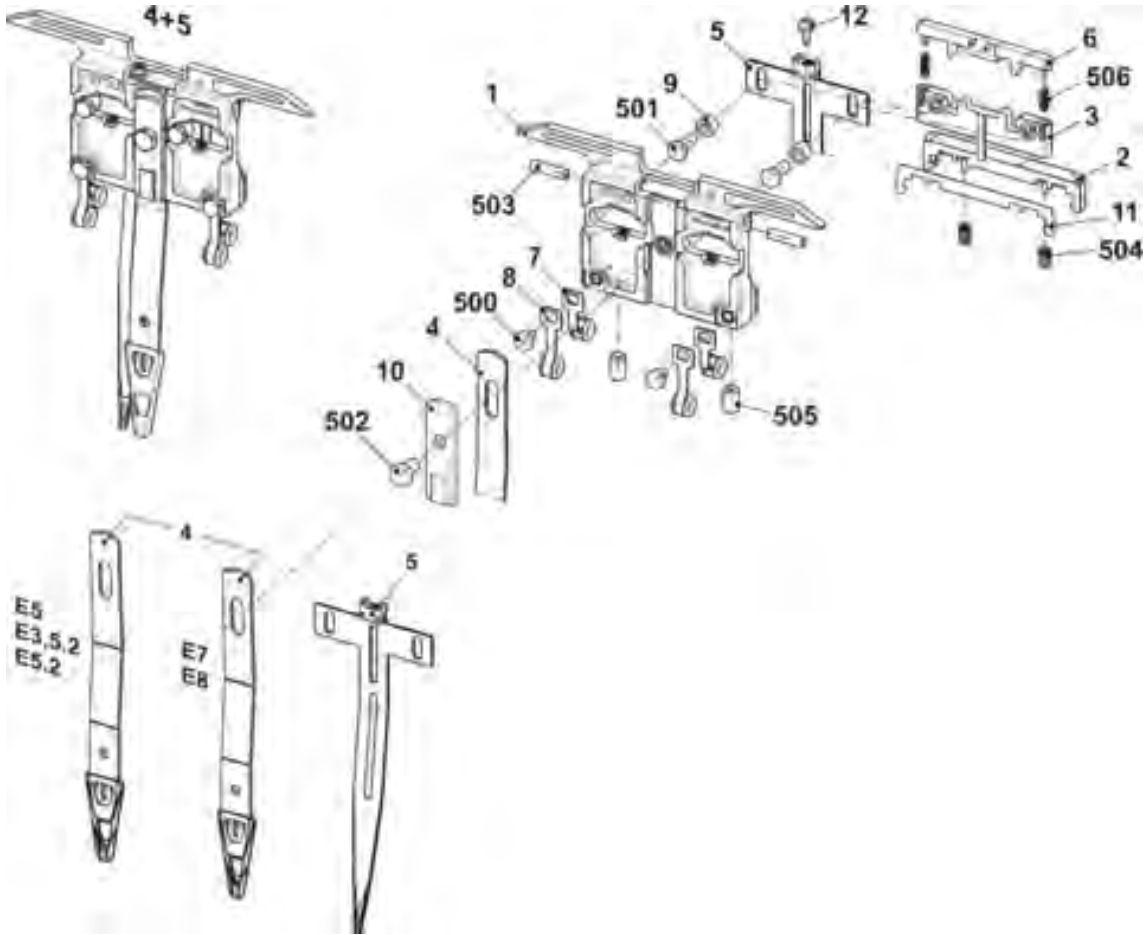
Pos	Designation	Id	Pos	Designation	Id
Σ	Plating yarn carrier carriage 3+6 complete		8	Eyelet holder complete	252 824
	E5 E3,5.2 E5.2	252 782	9	Distance bushing	252 796
	E7 E8	252 784	10	Shim 0,03x11x80	213 035
1	Plating yarn carrier carriage	252 806	11	Shim 0,03x11x80	216 143
2	Sliding piece	212 583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



16.3 Plating yarn carrier 4+5

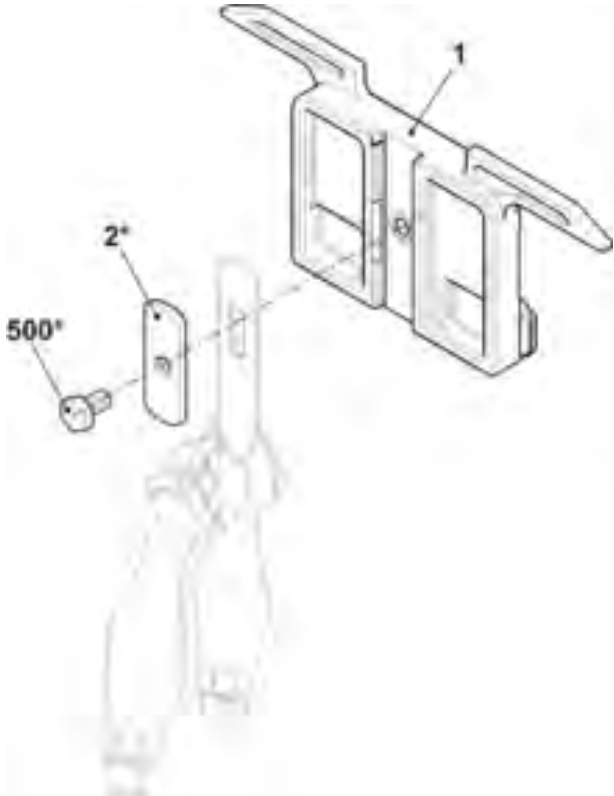
16.3 Plating yarn carrier 4+5

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



16.4 Carriage of plating yarn carrier (43 mm)

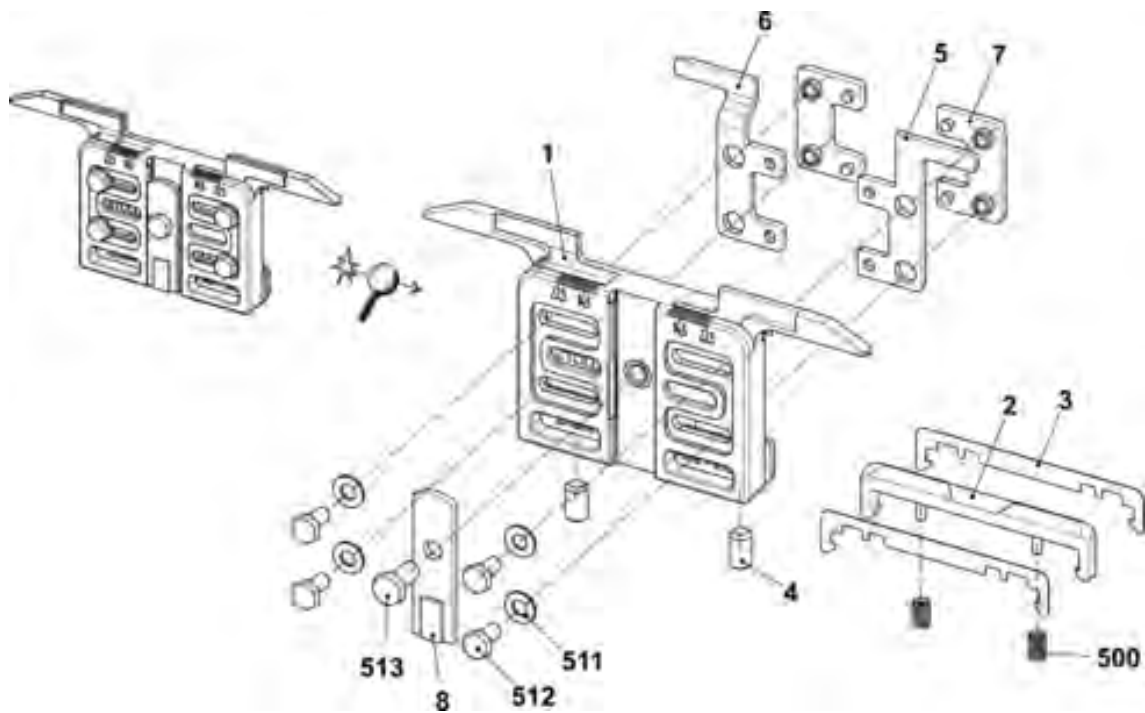
Pos	Designation	Ident No.		Pos	Designation	Ident No.
1	Plating YC carriage complete EW 43	257 241				
2*	Shim 0,03x11x80	213 035		500*	Hexagonal screw M5x10	020 351



16.5 Carriage of plating yarn carrier (adjustable)

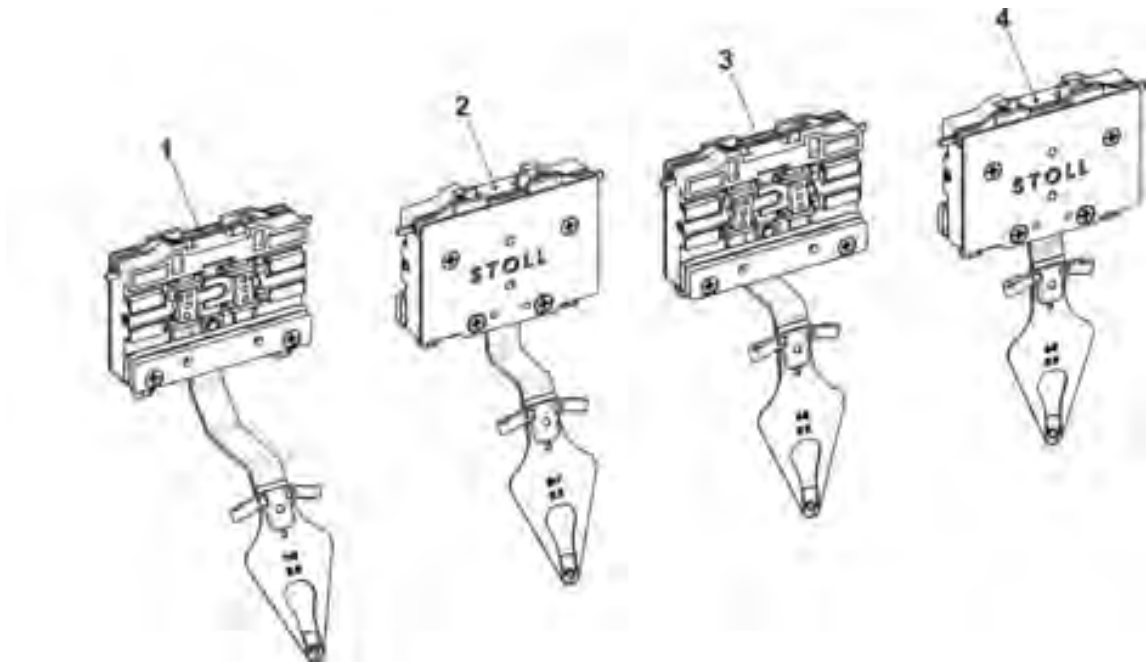
16.5 Carriage of plating yarn carrier (adjustable)

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



16.6 Complete intarsia yarn carriers type 2

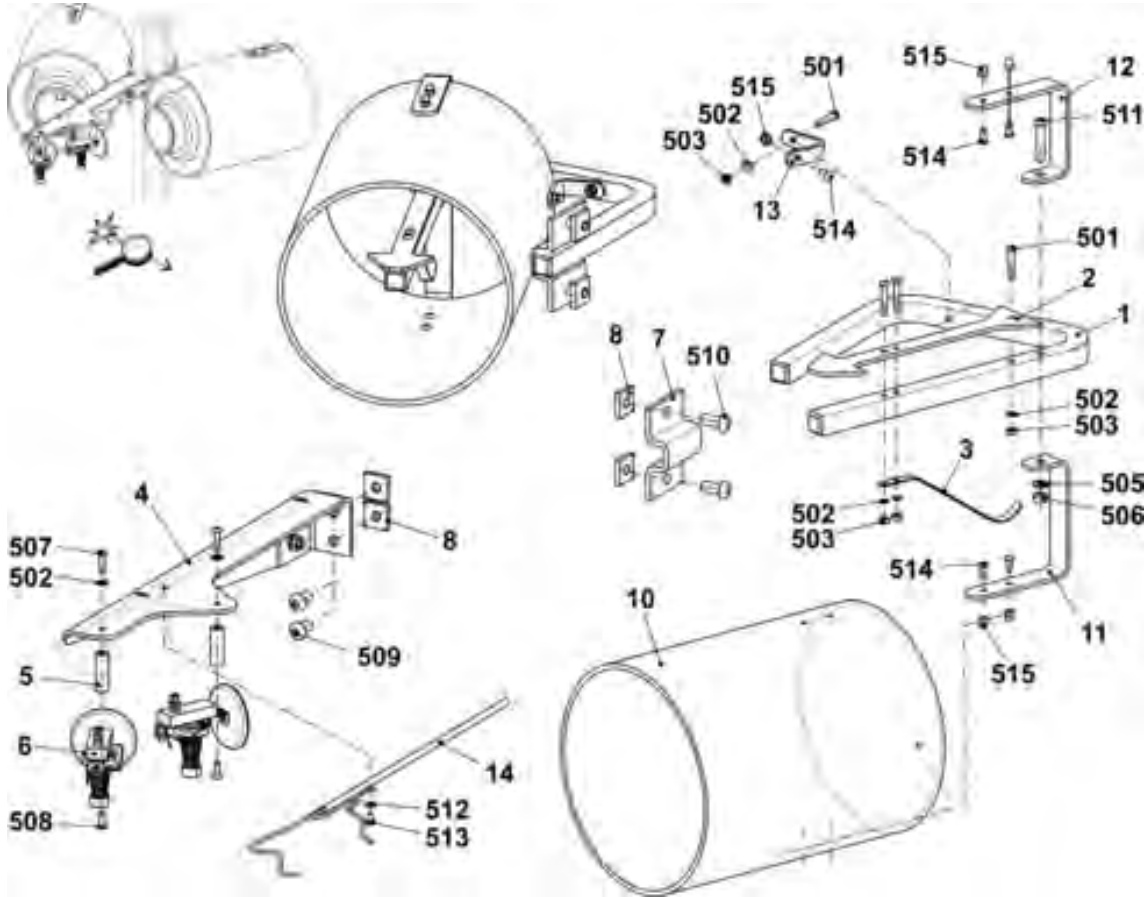
Designation	Gauge	Track	Pos	Ident No.		Designation	Gauge	Track	Pos	Ident No.
IYC carriage complete	E6.2	1 8	1	250 323		IYC carriage complete	E16 E18	1 8	1	250 331
		2 7	2	250 324				2 7	2	250 332
		3 6	3	250 325				3 6	3	250 333
		4 5	4	250 326				4 5	4	250 334
	E10 E12 E14 E7.2 E8.2	1 8	1	250 327						
		2 7	2	250 328						
		3 6	3	250 329						
		4 5	4	250 330						



16.7 Bobbin holder on the left

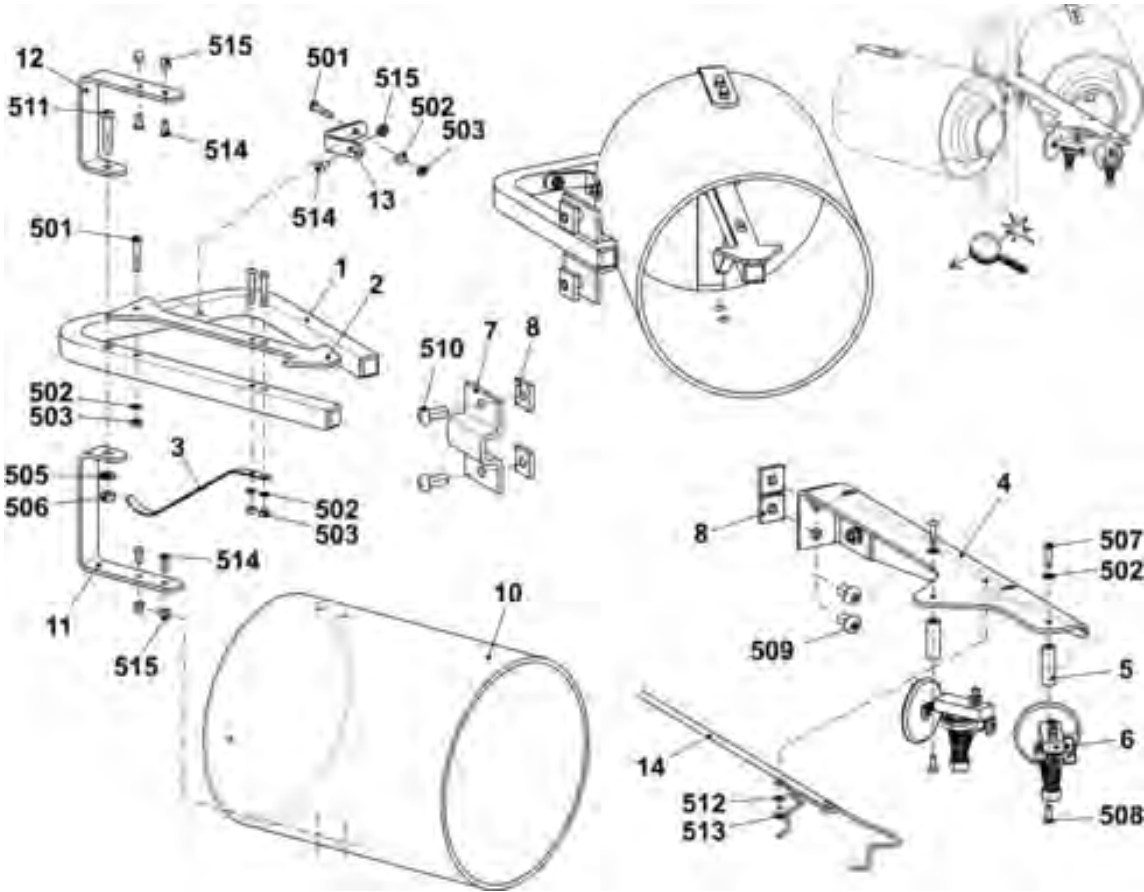
16.7 Bobbin holder on the left

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



16.8 Bobbin holder on the right

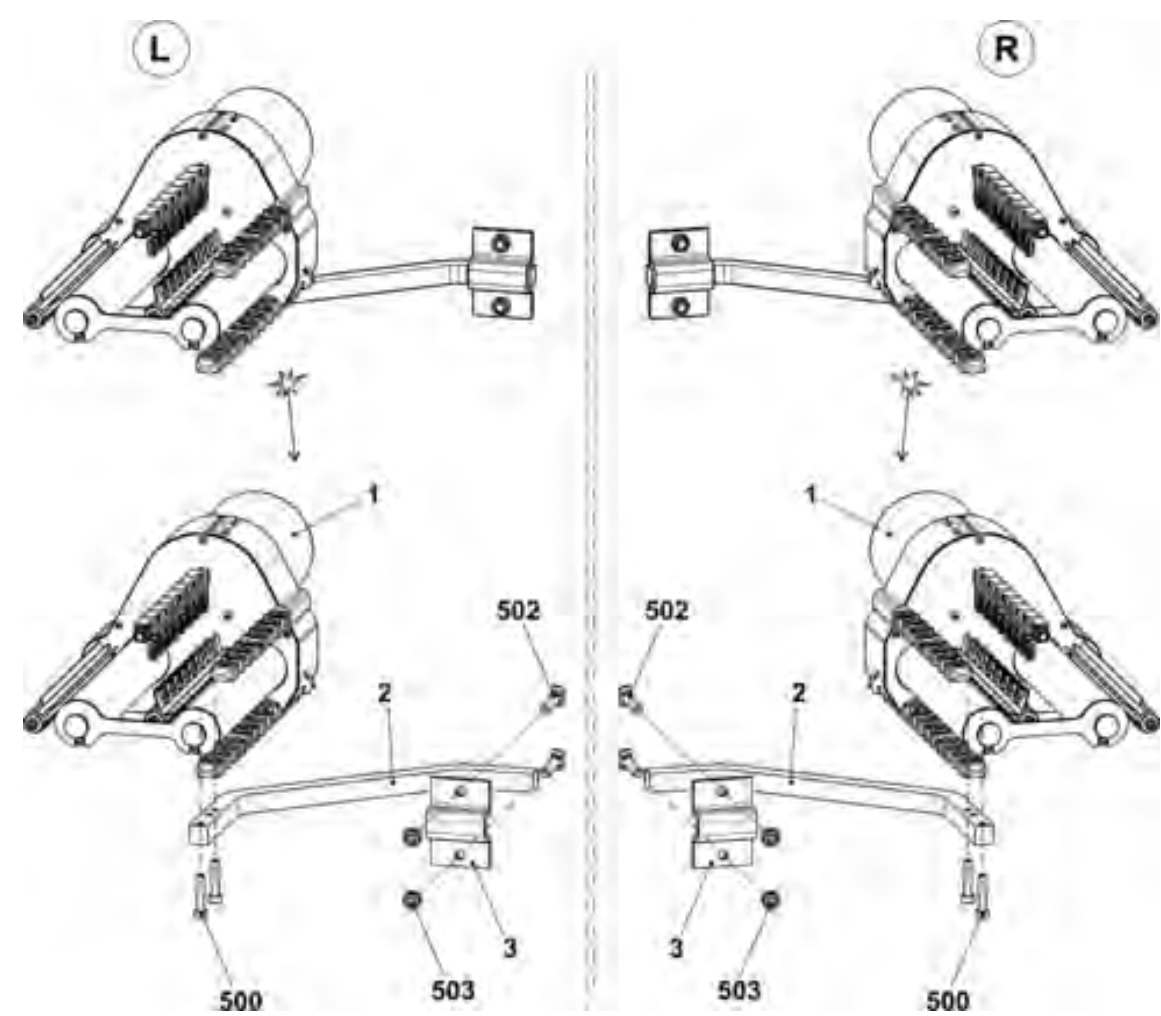
Pos	Designation	Id	Pos	Designation	Id
Σ	Bobbin holder on the right	253 966	501	Countersunk screw M4x25	023 511
1	Support	253 969	502	U-washer 4	022 481
2	Support	252 769	503	Hexagon nut M4-6	022 536
3	Leaf spring	253 350	505	U-washer 6	022 431
4	Support right	253 348	506	Hexagon nut M6-6	022 899
5	Spacer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



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

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

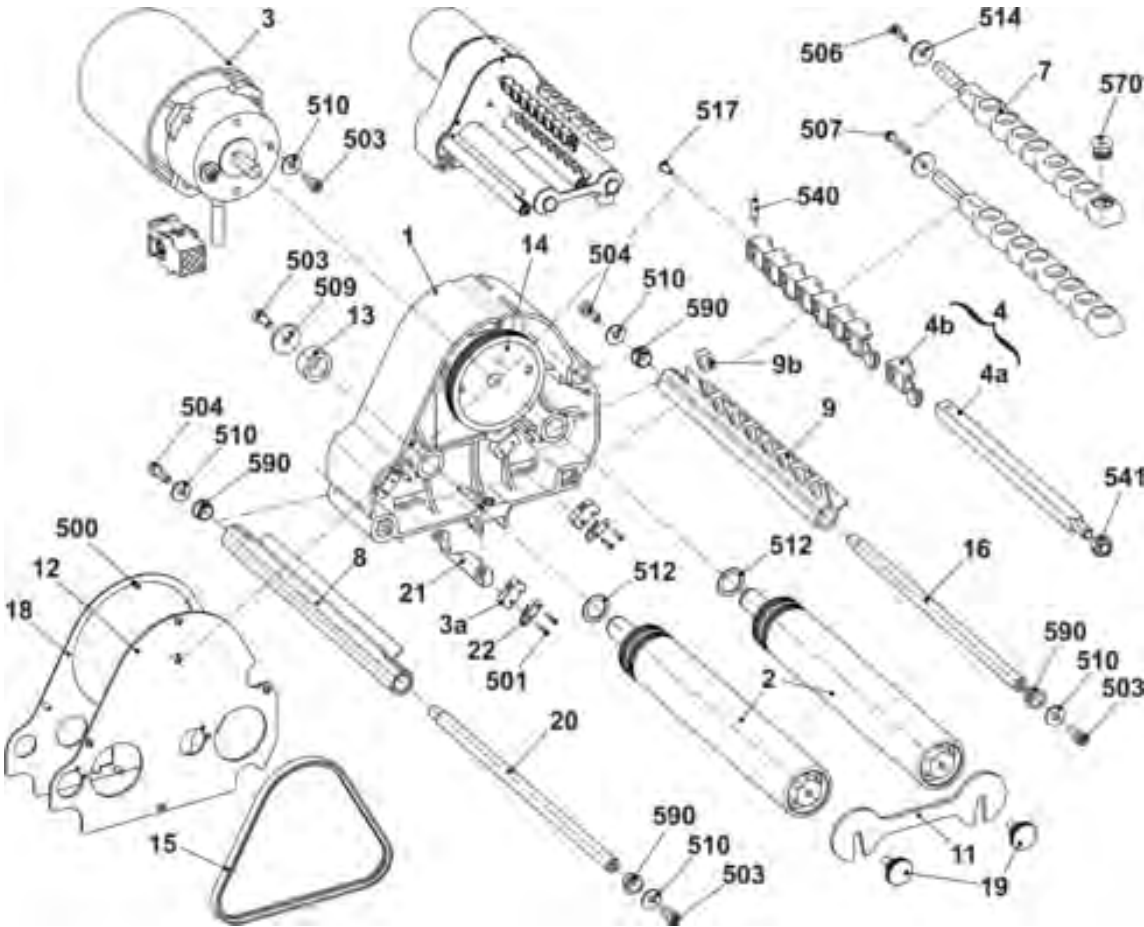
Pos	Designation	Id		Pos	Designation	Id
ΣL	Friction feed wheel on the left complete	243 767		ΣR	Friction feed wheel on the right complete	243 768
1	Friction feed wheel on the left	243 571		1	Friction feed wheel on the right	243 572
2	Support	223 030		2	Support	223 030
3	Clamp	228 583		3	Clamp	228 583
500	Cap screw M6X30	020 138		500	Cap screw M6X30	020 138
502	T-head bolt M8x25	022 866		502	T-head bolt M8x25	022 866
503	Hexagon nut M8	022 843		503	Hexagon nut M8	022 843



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

16.9.1 Left friction feed wheel

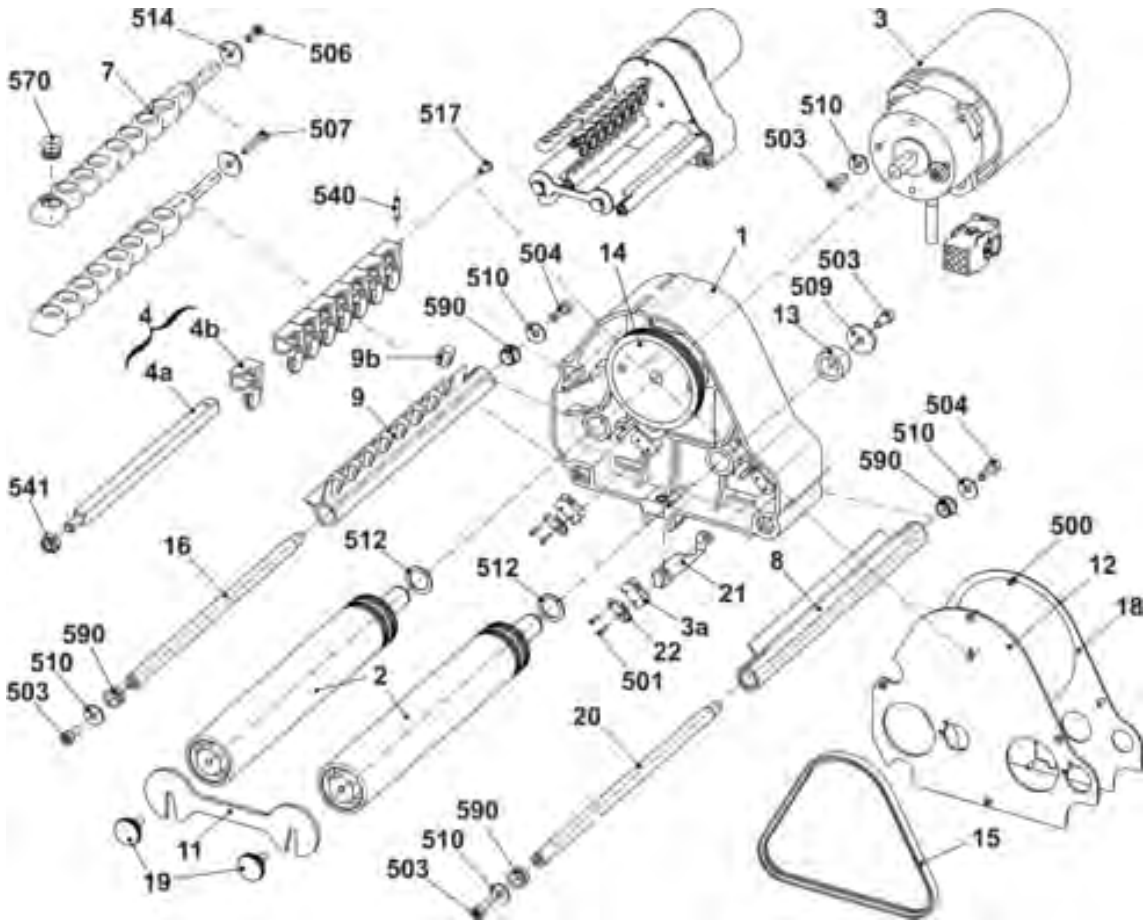
Pos	Designation		Id	Pos	Designation		Id
Σ	Friction feed wheel on the left complete		243 571	14	Ribbed V-belt pulley		221 268
1	Housing		240 368	15	Ribbed V-belt pulley V3J 406		206 927
2	Friction roller complete		231 704	16	Rod		221 319
3	Three-phase A.C. motor complete		219 800	18	Cover		230 758
	3a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



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

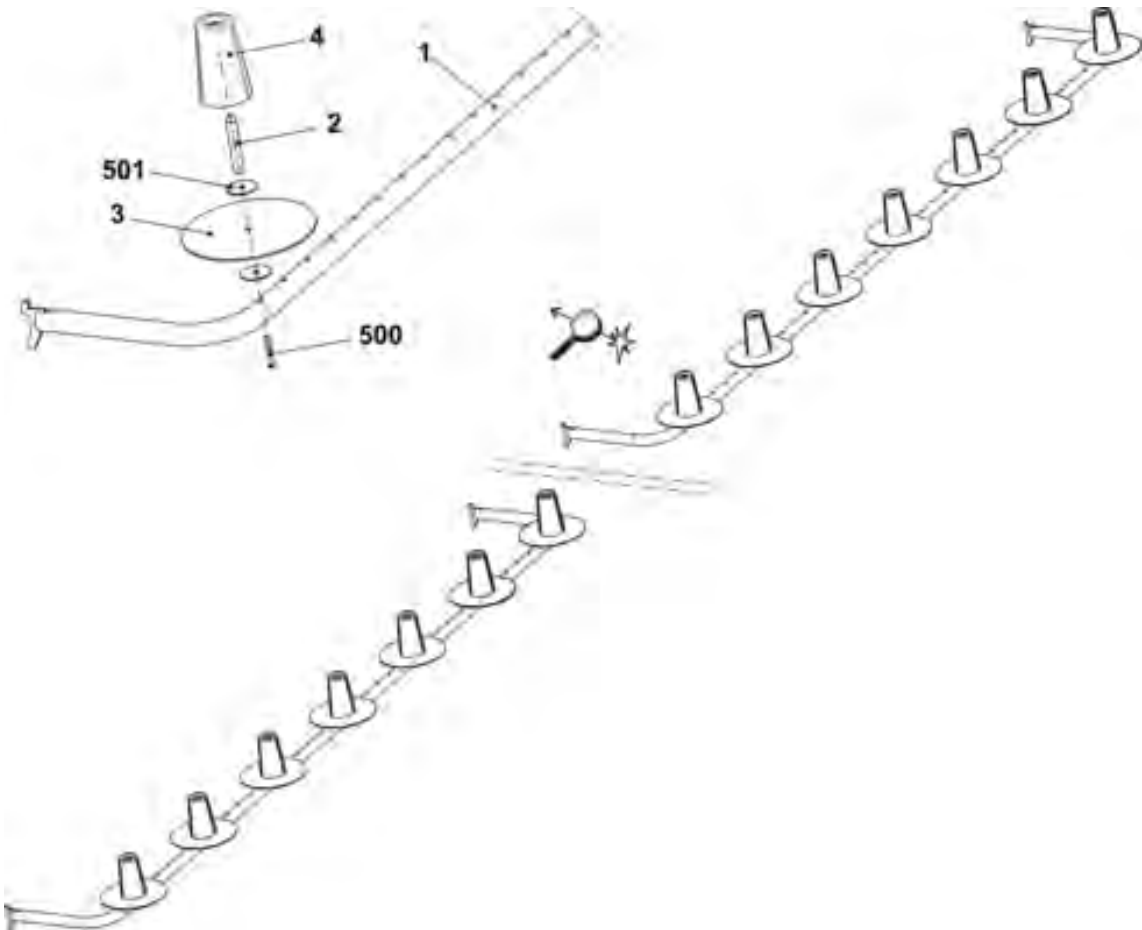
16.9.2 Right friction feed wheel

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



16.10 Additional bobbin board

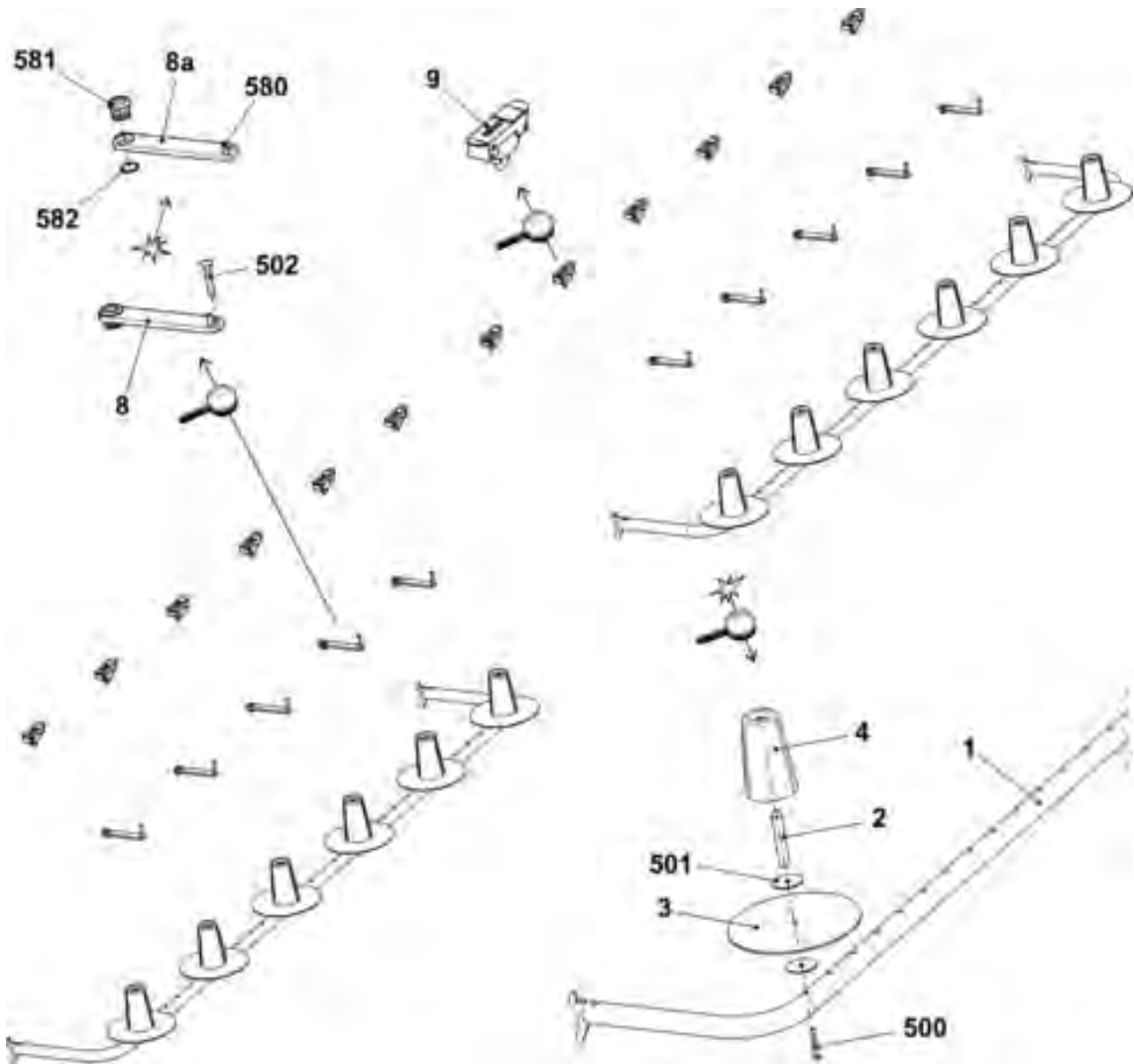
Pos	Designation	Id		Pos	Designation	Id
Σ	Additional bobbin board	242 742				
1	Additional bobbin board welded	242 741		4	Bobbin support	200 363
2	Positioning pin	202 777		500	Pan-head screw M4x30	023 681
3	Disk ø130	062 385		501	Washer 5.3x30x1.25	023 556



16.11 Additional board at the bottom

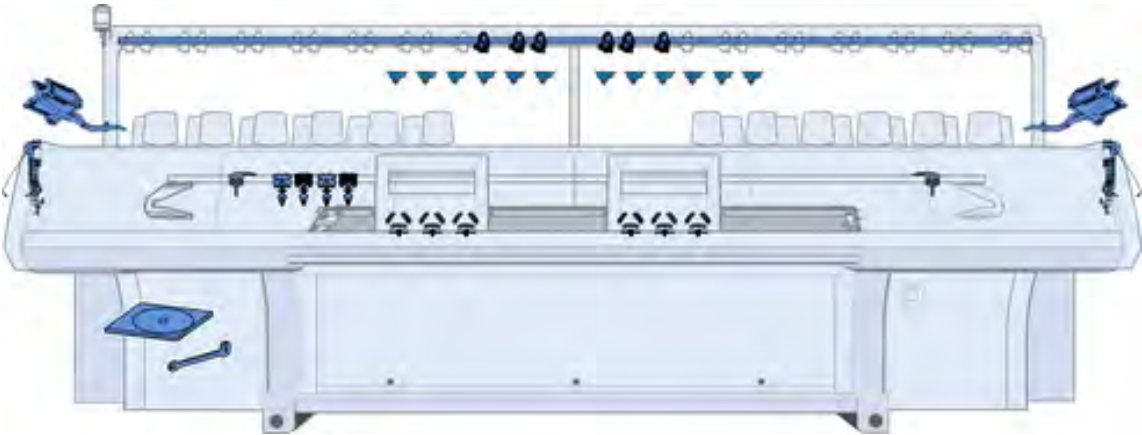
16.11 Additional board at the bottom

Pos	Designation	Id		Pos	Designation	Id	
Σ	Additional board at the bottom	253 647		502	Pan-head screw M4x25	023 511	
1	Additional bobbin board welded	253 503		8	Yarn guide		243 765
2	Positioning pin	202 777			8a	Guiding part	243 623
3	Disk ø130	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



17 Conversion kit with 24 and 32 IFF

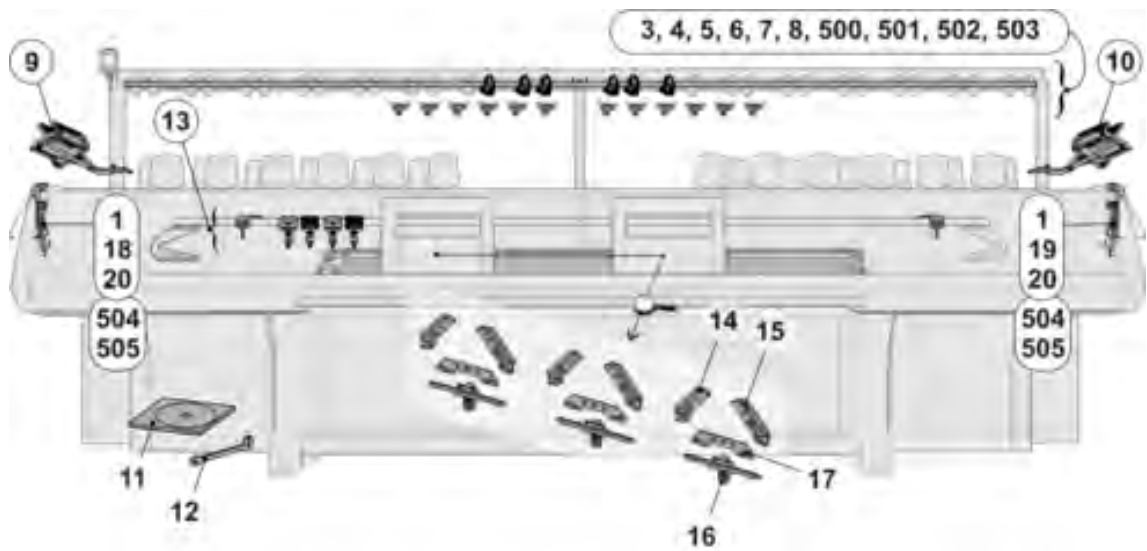
	Designation	Id
24 IFF:	Conversion kit 24 IFF E10-14	257 622
	Conversion kit 24 IFF E16-18	257 624
	Conversion kit 24 IFF E6.2	257 623
	Conversion kit 24 IFF E8.2	257 625
32 IFF	Conversion kit 32 IFF E10-14	257 584
	Conversion kit 32 IFF E16-18	257 587
	Conversion kit 32 IFF E6.2	257 587
	Conversion kit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



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

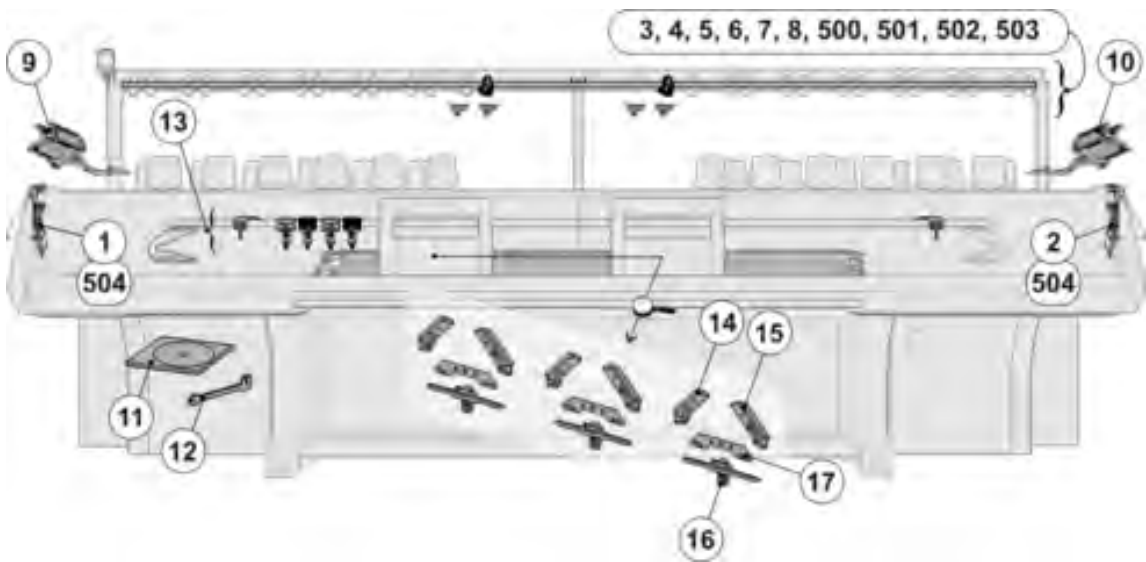
17.1 Overview of conversion kit 24 IFF
E10|E12|E14|E16|E8.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Conversion kit 24 IFF					
	E10-14	257 622		13	Yarn guide complete E16-18 IFF 24	256 937
	E16	257 624		14	Stitch cam on the left short tuck E10-14+7.2	255 428
	E8.2	257 625			Stitch cam on the left short tuck E16-18+8.2	255 547
1	Yarn tensioner on the left complete E10-18	258 461		15	Stitch cam on the right short tuck E10-14+7.2	255 429
2	Yarn tensioner on the right complete E10-18	258 463			Stitch cam on the right short tuck E16-18+8.2	255 548
3	Yarn guide bar	242 431		16	Pressure part short tuck	255 430
4	Support on the left	243 609		17	Raising cam plate	256 491
5	Support on the right	243 610		18	Stop bar on the left complete	258 454
6	Support	243 766		19	Stop bar on the right complete	258 562
7	Yarn control device	237 124		20	Deflector complete	257 287
8	Yarn guide bracket complete	241 581		500	Self-locking screw M6x12	023 415
9	Friction feed wheel 16 fold on the left complete	254 900		501	Ribbed lock washer M6-10	023 414
10	Friction feed wheel 16 fold on the right complete	254 901		502	Square nut M8	023 269
11	DVD instructions conversion kit IFF	245 169		503	Countersunk screw M8x16	023 113
12	Adjusting part for yarn carrier bow	250 119		504	Screw KB60 x 20	237 682
13	Yarn guide complete E10-14 IFF (E8.2) 24	256 936		505	U-washer 6	022 537



17.2 Overview of conversion kit 24 IFF E6.2

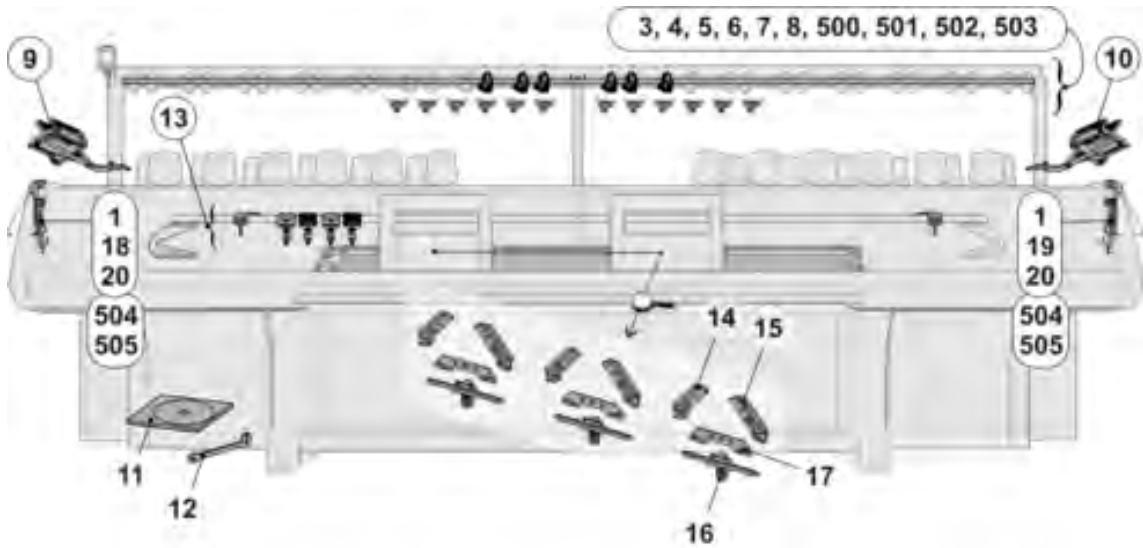
Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 24 IFF E6.2	257 623			
1	Yarn tensioner on the left complete E7-8	244 499	12	Adjusting part for yarn carrier bow	250 119
2	Yarn tensioner on the right complete E7-8	244 502	13	Yarn guide complete E7-8 IFF 24	256 935
3	Yarn guide bar	242 431	14	Stitch cam on the left short tuck E6.2	255 551
4	Support on the left	243 609	15	Stitch cam on the right short tuck E6.2	255 552
5	Support on the right	243 610	16	Tuck pressure short cam	255 430
6	Support	243 766	17	Knitting raising cam plate	256 491
7	Yarn control device	237 124	500	Self-locking screw M6x12	023 415
8	Yarn guide bracket complete	241 581	501	Ribbed lock washer M6-10	023 414
9	Friction feed wheel 16 fold on the left complete	254 900	502	Square nut M8	023 269
10	Friction feed wheel 16 fold on the right complete	254 901	503	Countersunk screw M8x16	023 113
11	DVD instructions conversion kit IYC	245 169	504	Screw KB60 x 20	237 682



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

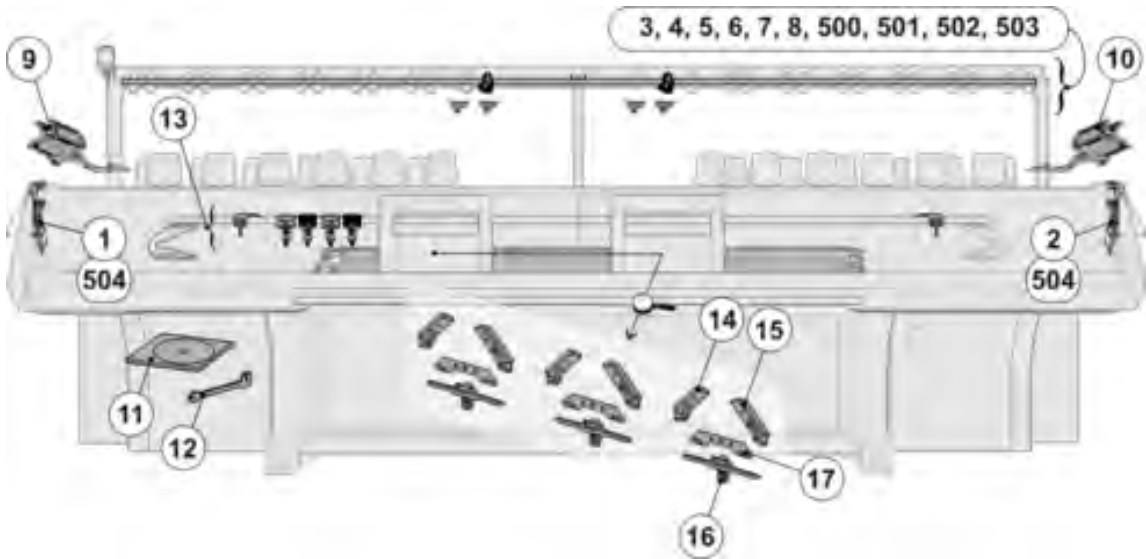
17.3 Overview of conversion kit 32 IFF
E10|E12|E14|E16|E8.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Conversion kit 32 IFF					
	E10-14	257 584		13	Yarn guide complete E16-18 IFF	245 164
	E16	257 587		14	Stitch cam on the left short tuck E10-14+7.2	255 428
	E8.2	257 588			Stitch cam on the left short tuck E16-18+8.2	255 547
1	Yarn tensioner on the left complete E10-18	258 461		15	Stitch cam on the right short tuck E10-14+7.2	255 429
2	Yarn tensioner on the right complete E10-18	258 463			Stitch cam on the right short tuck E16-18+8.2	255 548
3	Yarn guide bar	242 431		16	Pressure part short tuck	255 430
4	Support on the left	243 609		17	Raising cam plate	256 491
5	Support on the right	243 610		18	Stop bar on the left complete	258 454
6	Support	243 766		19	Stop bar on the right complete	258 562
7	Yarn control device	237 124		20	Deflector complete	257 287
8	Yarn guide bracket complete	241 581		500	Self-locking screw M6x12	023 415
9	Friction feed wheel 16 fold on the left complete	254 900		501	Ribbed lock washer M6-10	023 414
10	Friction feed wheel 16 fold on the right complete	254 901		502	Square nut M8	023 269
11	DVD instructions conversion kit IFF	245 169		503	Countersunk screw M8x16	023 113
12	Adjusting part for yarn carrier bow	250 119		504	Screw KB60 x 20	237 682
13	Yarn guide complete E10-14 IFF (E8.2)	245 163		505	U-washer 6	022 537



17.4 Overview of conversion kit 32 IFF E6.2

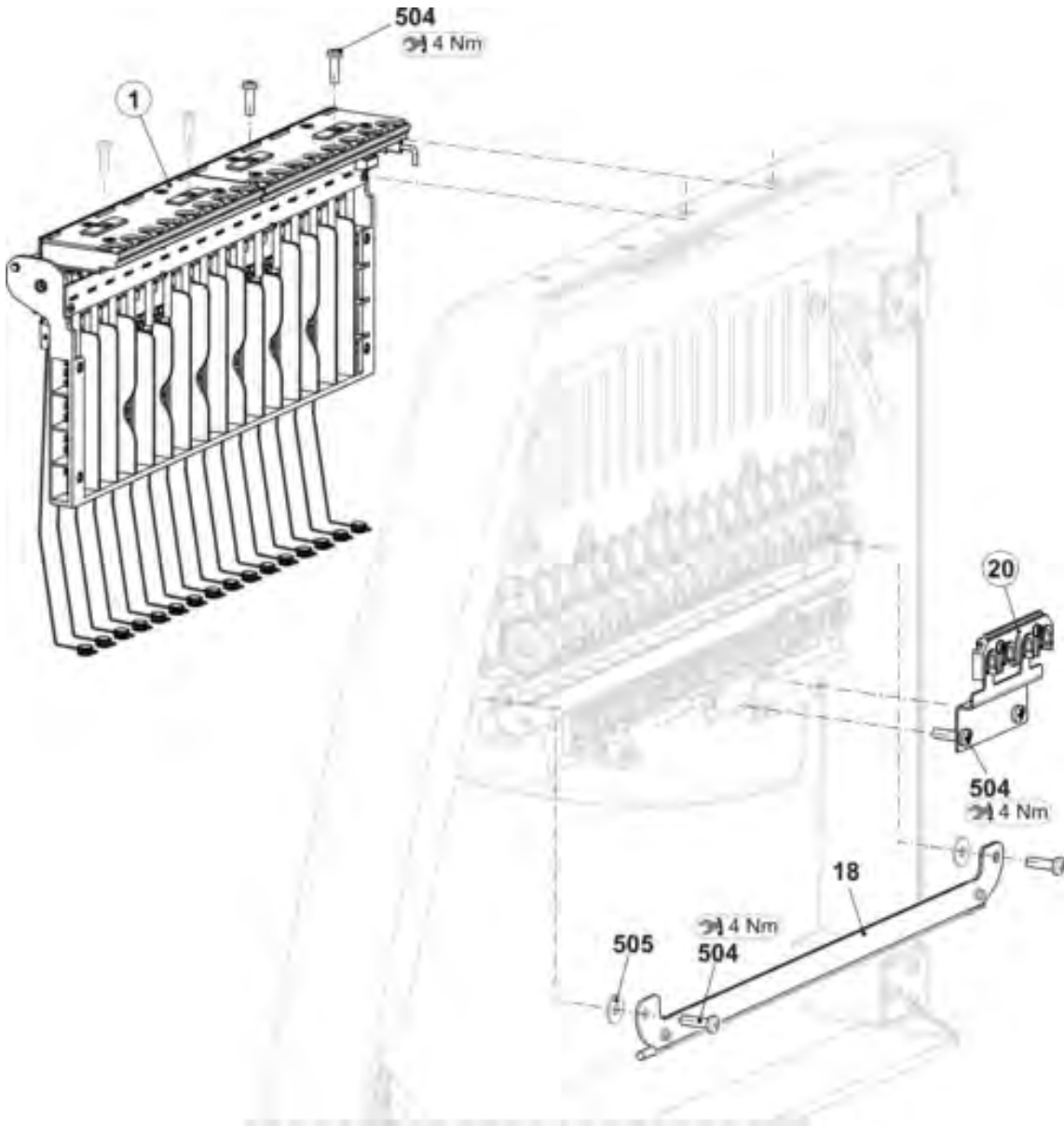
Pos	Designation	Id	Pos	Designation	Id
Σ	Conversion kit 32 IFF E6.2	257 585			
1	Yarn tensioner on the left complete E7-8	244 499	12	Adjusting part for yarn carrier bow	250 119
2	Yarn tensioner on the right complete E7-8	244 502	13	Yarn guide complete E7-8 IYC	245 162
3	Yarn guide bar	242 431	14	Stitch cam on the left short tuck E6.2	255 551
4	Support on the left	243 609	15	Stitch cam on the right short tuck E6.2	255 552
5	Support on the right	243 610	16	Tuck pressure short cam	255 430
6	Support	243 766	17	Knitting raising cam plate	256 491
7	Yarn control device	237 124	500	Self-locking screw M6x12	023 415
8	Yarn guide bracket complete	241 581	501	Ribbed lock washer M6-10	023 414
9	Friction feed wheel 16 fold on the left complete	254 900	502	Square nut M8	023 269
10	Friction feed wheel 16 fold on the right complete	254 901	503	Countersunk screw M8x16	023 113
11	DVD instructions conversion kit IYC	245 169	504	Screw KB60 x 20	237 682



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

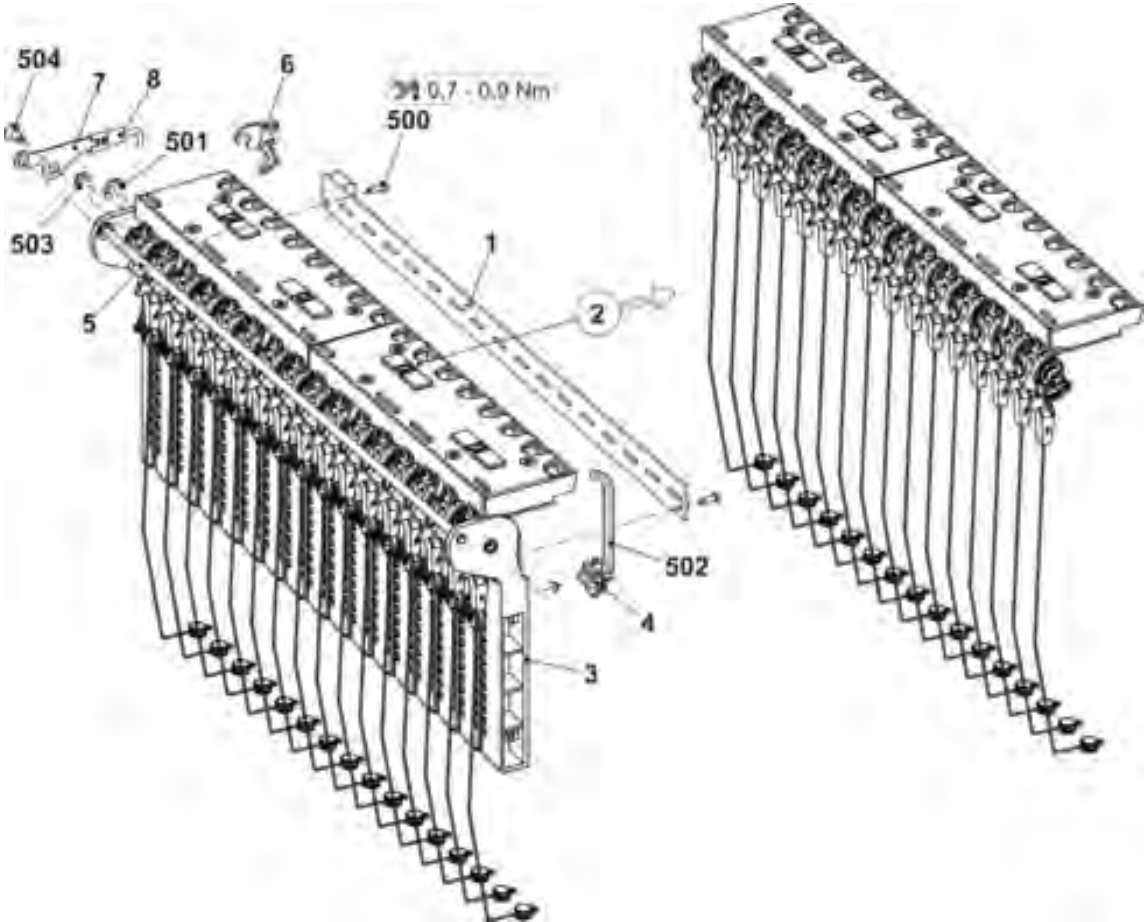
17.5 Parts for the safety door on the left
E10|E12|E14|E16|E8.2

Pos	Designation	Id		Pos	Designation	Id
1	Yarn tensioner on the left complete E10-18	258 461				
18	Stop bar on the left complete	258 454		504	Screw KB60 x 20	237 682
20	Deflector complete	257 287		505	U-washer 6	022 537



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

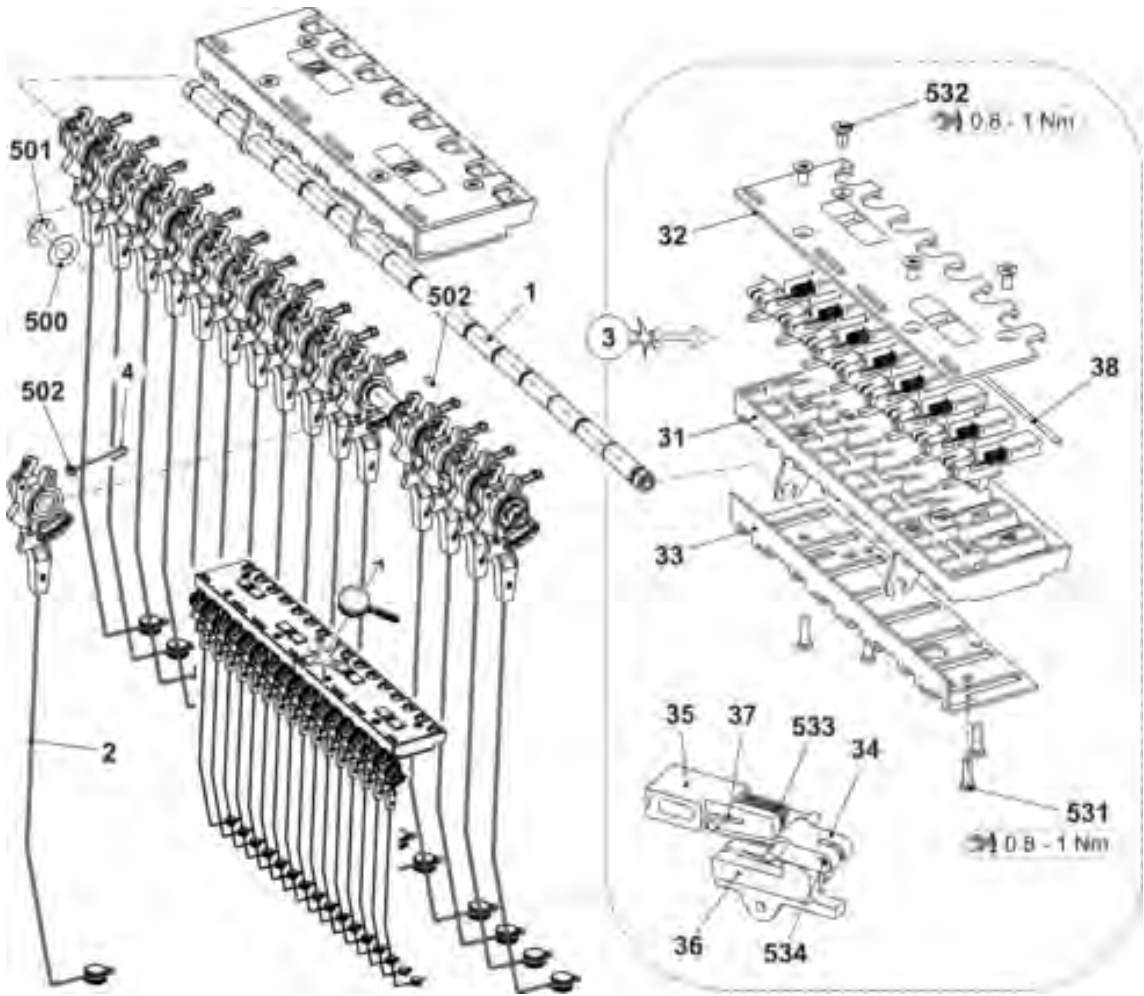
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the left complete E10-18	258 461		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the left	241 345		8	Ground cable yarn tensioner OKC	243 105
2	Tension axle complete E10-18	258 460		500	Screw KB 30x8	236 228
3	Housing	241 367		501	Circlip	021 022
4	Slider	241 694		502	Tension spring 4.9x0.45x53	023 504
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x12	241 914



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

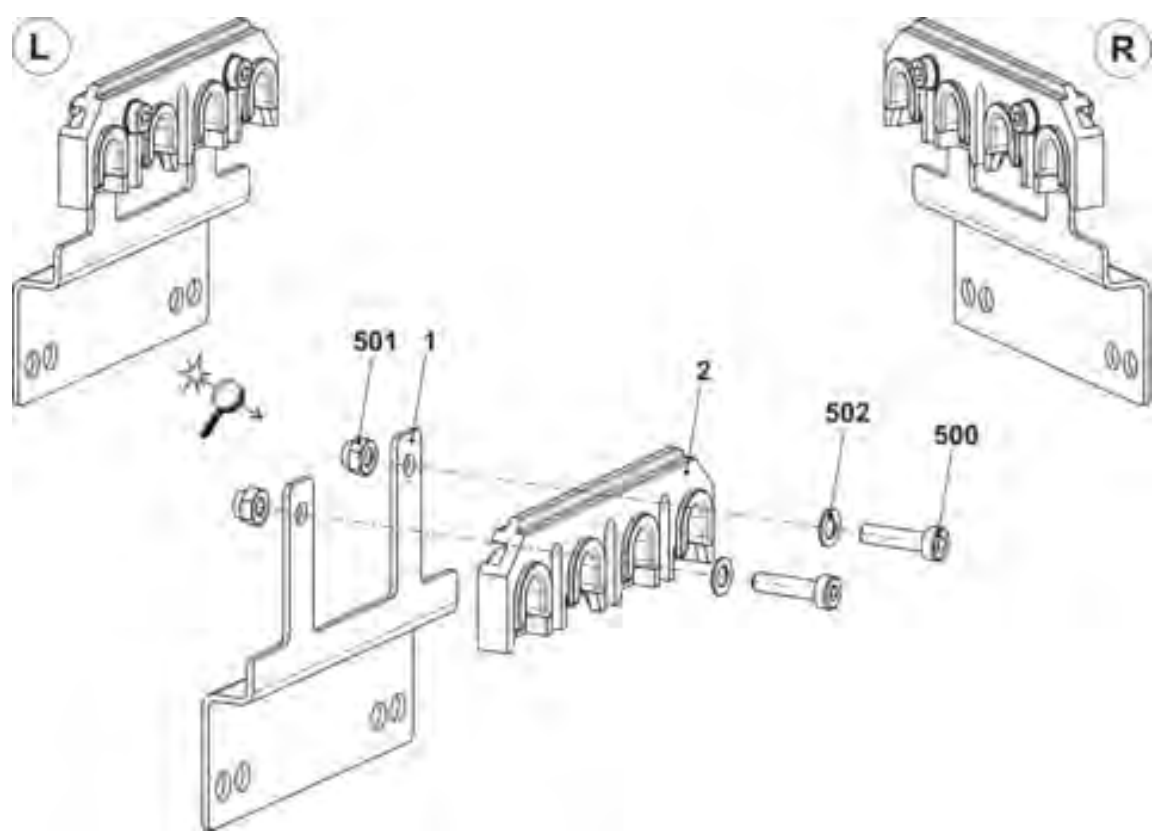
17.5.2 Tension axle E10|E12|E14|E16|E8.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle complete E10-18	258 460		3	Thread clamp AKF	238 695
1	Axle	244 522		31	Housing AKF	238 689
2	Tension arm pre-assembled E10 –18	258 459		32	Cover AKF	237 926
4	Wire bow	238 694		33	Sheet metal at the bottom (housing AKF)	240 719
500	Shim ring 8x14x0.5	023 501		34	Lever AKF	238 692
501	Circlip	021 022		35	Pressure peace AKF	238 690
502	Grooved pin 2x6	243 172		36	Slider AKF	238 691
				37	Wire bow	238 694
				38	Wire	237 940
				531	Screw KB 35x12	237 681
				532	Screw KB 40x8	236 227
				533	Compression spring 0.30x4.50x18.50	241 437
				534	Grooved pin 2x6	243 172



17.5.3 Deflector

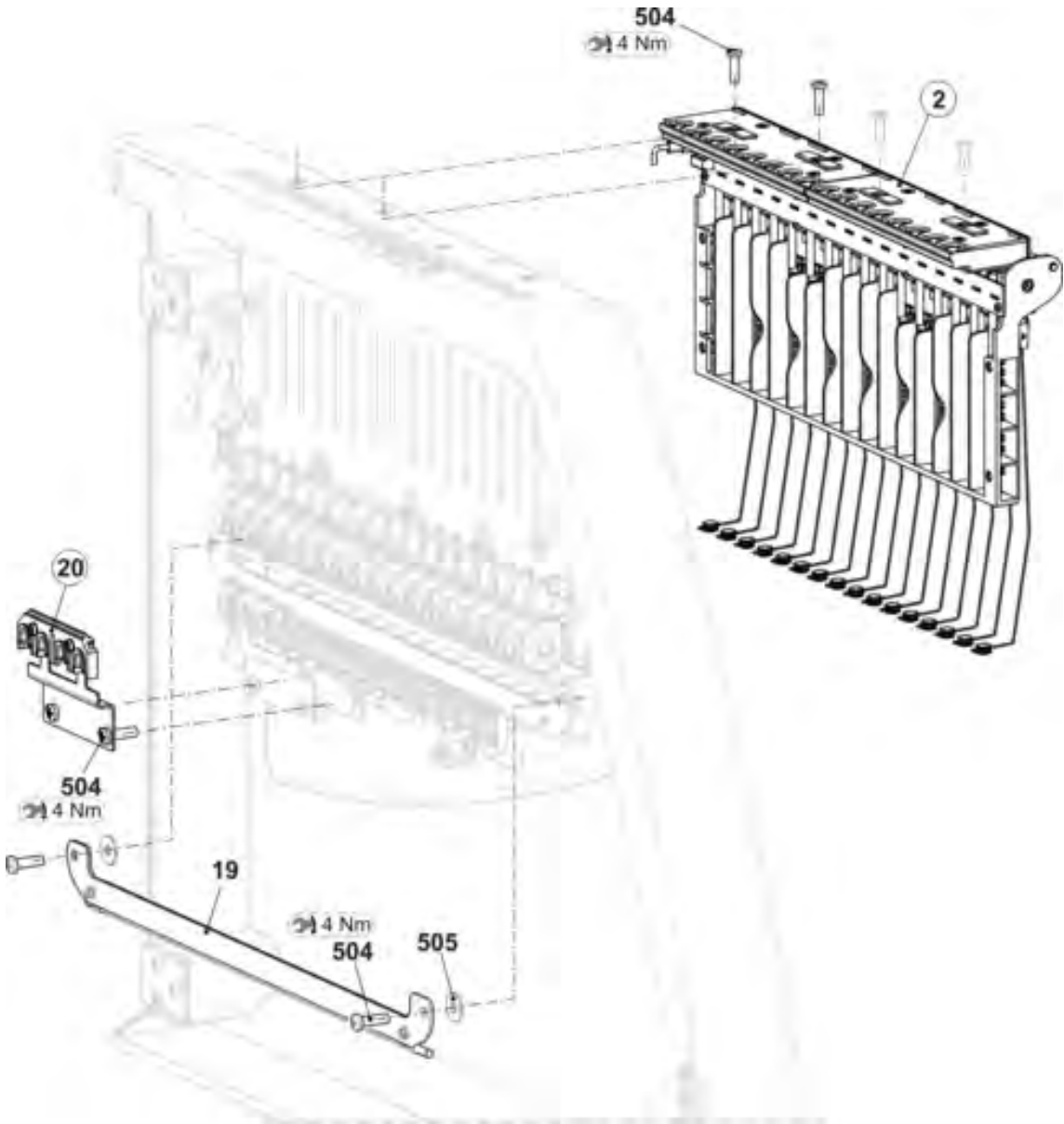
Pos	Designation	Id		Pos	Designation	Id
Σ	Deflector complete	257 287		500	Cap screw M4x16	023 123
1	Support of yarn deflector	257 289		501	Hexagon nut M4-8	023 046
2	Yarn deflector	257 288		502	U-washer 4	020 879



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

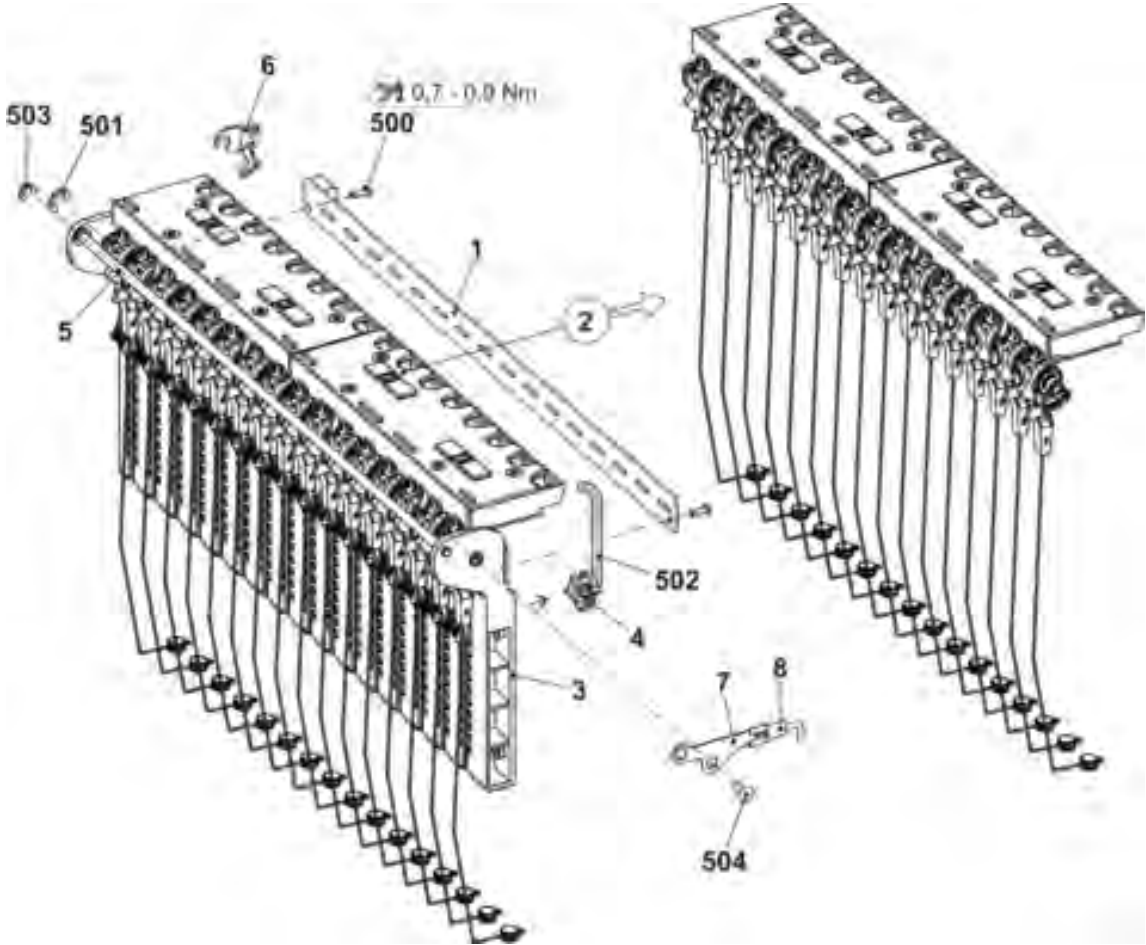
17.6 Parts for the right safety door
E10|E12|E14|E16|E8.2

Pos	Designation	Id		Pos	Designation	Id
2	Yarn tensioner on the right complete E10-18	258 463				
19	Stop bar on the right complete	258 562		504	Screw KB60 x 20	237 682
20	Deflector complete	257 287		505	U-washer 6	022 537



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

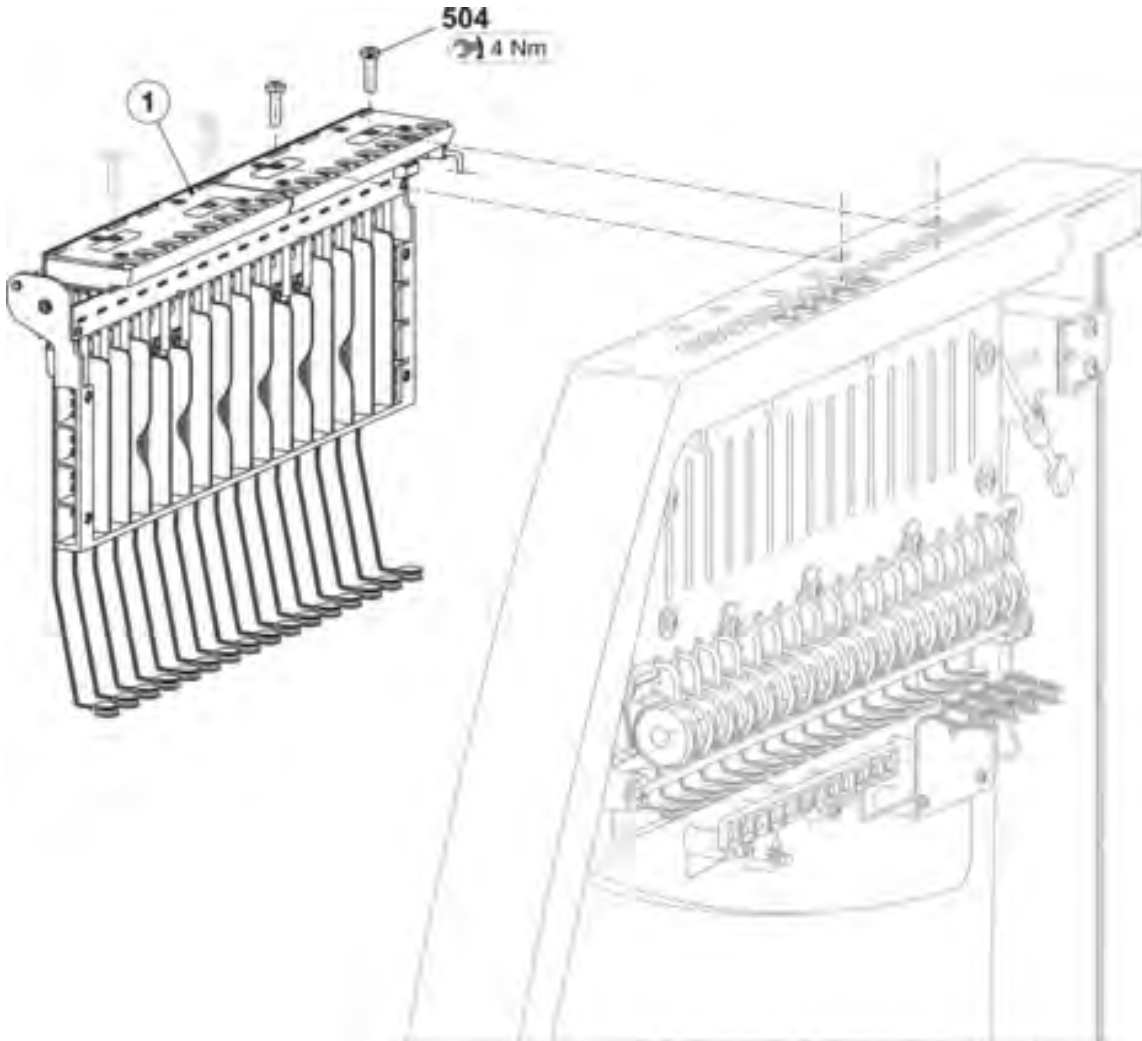
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the left complete E10-18	258 463		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the right	241 346		8	Ground cable yarn tensioner OKC	243 105
2	Tension axle complete E10-18	258 460		500	Screw KB 30x8	236 228
3	Housing	241 367		501	Circlip	021 022
4	Slider	241 694		502	Tension spring 4.9x0.45x53	023 504
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x12	241 914



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

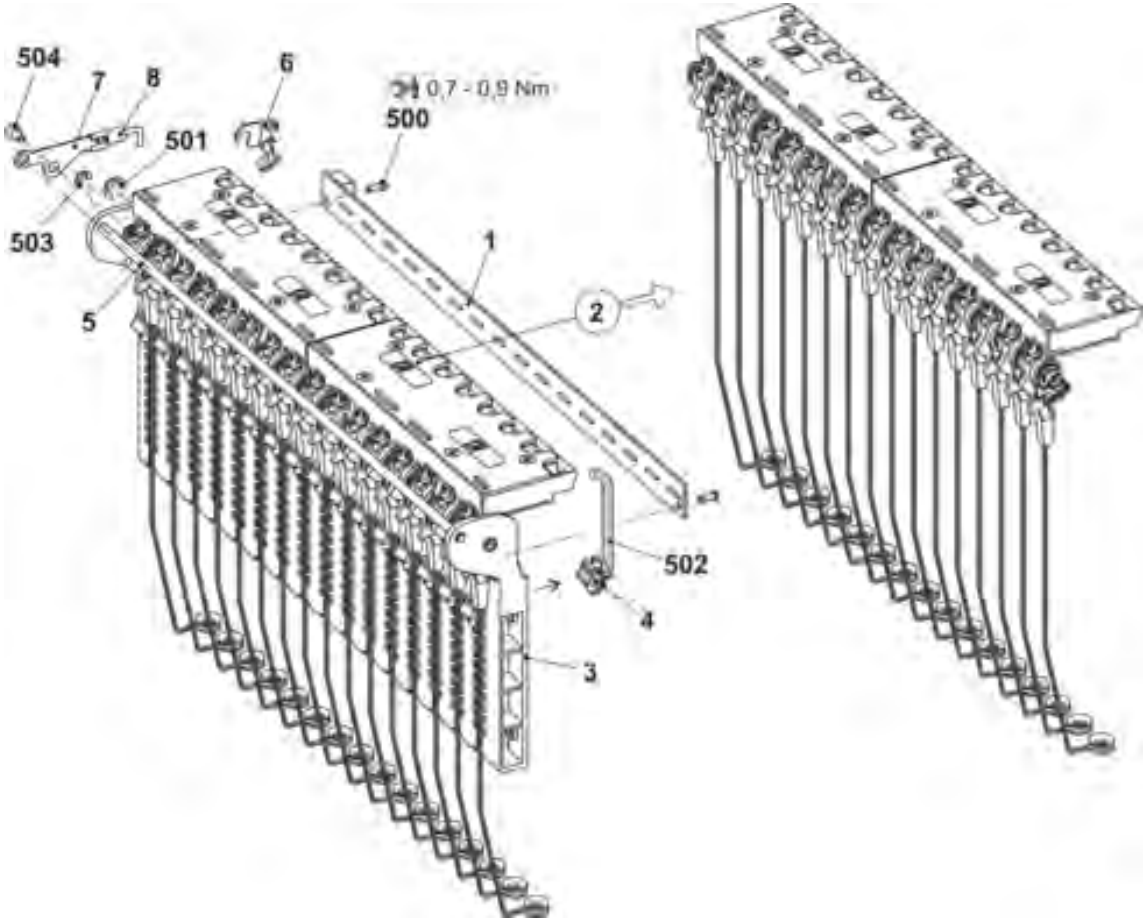
17.7 Parts for the safety door on the left E6.2

Pos	Designation	Id		Pos	Designation	Id
1	Yarn tensioner on the left complete E7-8	244 499		508	Screw KB60 x 20	237 682



17.7.1 Yarn tensioner on the left E6.2

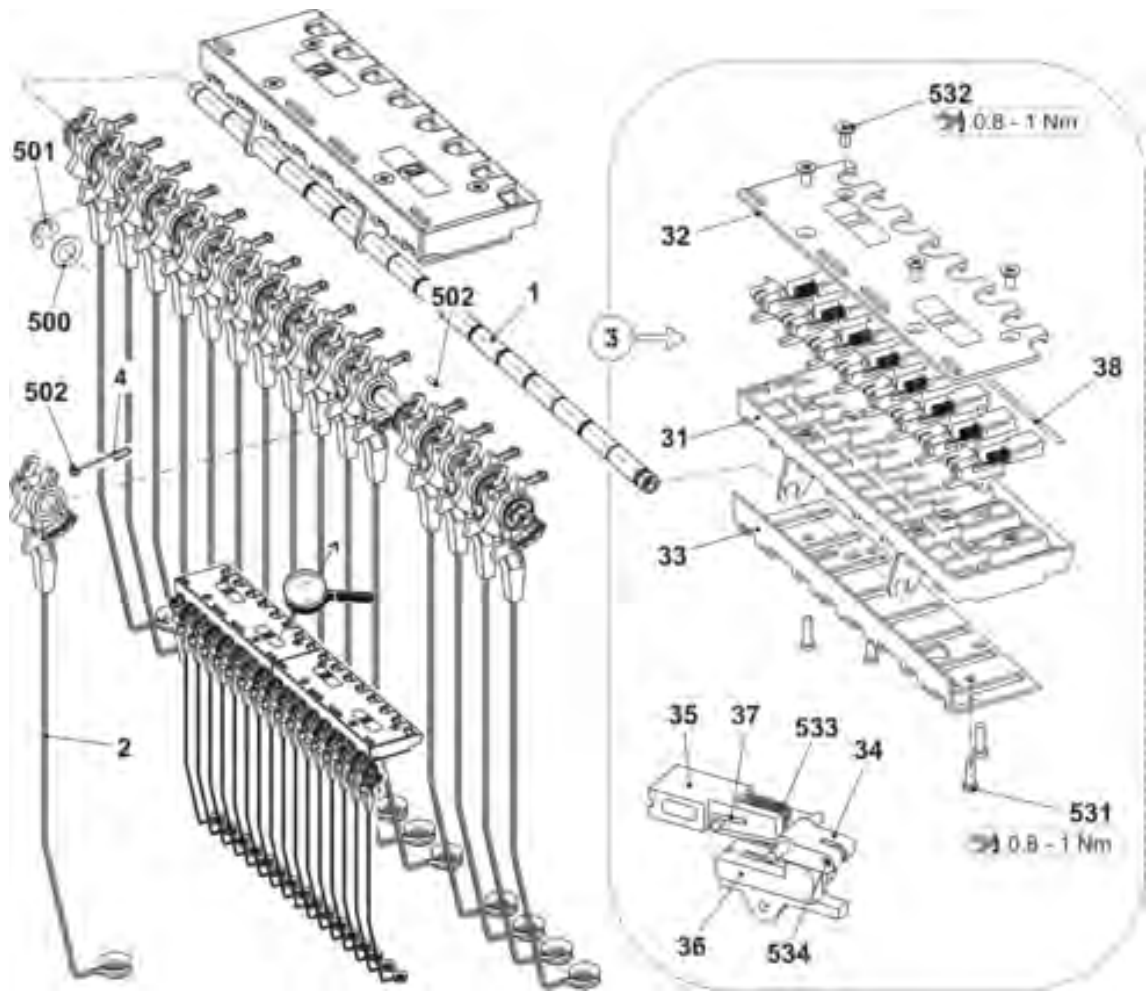
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the left complete E7-8	244 499		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the left	241 345		8	Ground cable yarn tensioner OKC	243 105
2	Tension axle complete E3-8 (E6.2)	244 494		500	Screw KB 30x8	236 228
3	Housing	241 367		501	Circlip	021 022
4	Slider	241 694		502	Tension spring 4.9x0.5x53 (E6.2)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x12	241 914



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

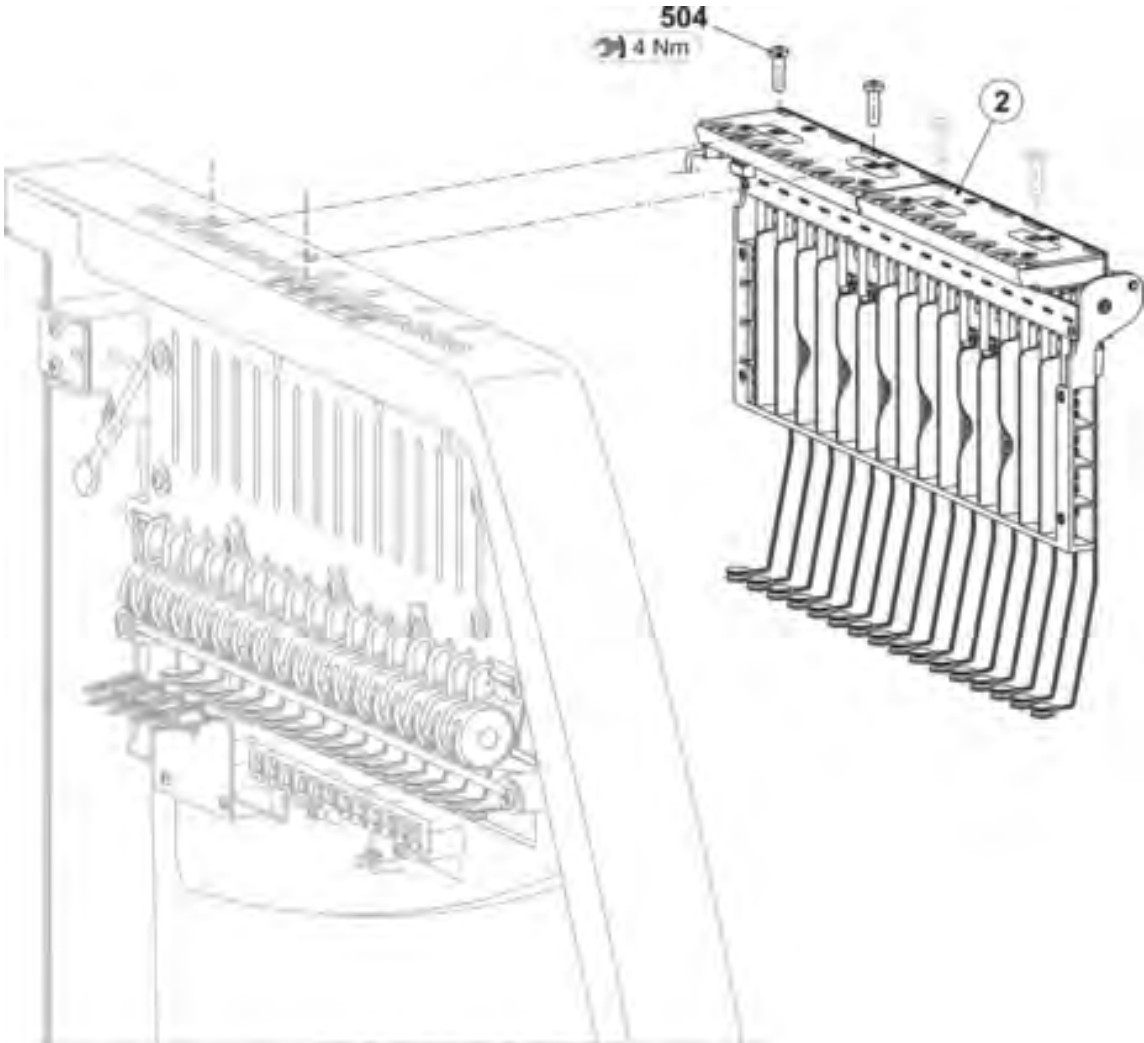
17.7.2 Tension axle E6.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Tension axle complete E3-8 (E6.2)	244 494		3	Thread clamp AKF	238 695
1	Axle	244 522		31	Housing AKF	238 689
2	Tension arm pre-assembled E3 - E8	242 770		32	Cover AKF	237 926
4	Wire bow	238 694		33	Sheet metal at the bottom (housing AKF)	240 719
500	Shim ring 8x14x0.5	023 501		34	Lever AKF	238 692
501	Circlip	021 022		35	Pressure peace AKF	238 690
502	Grooved pin 2x6	243 172		36	Slider AKF	238 691
				37	Wire bow	238 694
				38	Wire	237 940
				531	Screw KB 35x12	237 681
				532	Screw KB 40x8	236 227
				533	Compression spring 0.30x4.50x18.50	241 437
				534	Grooved pin 2x6	243 172



17.8 Parts for the right safety door E6.2

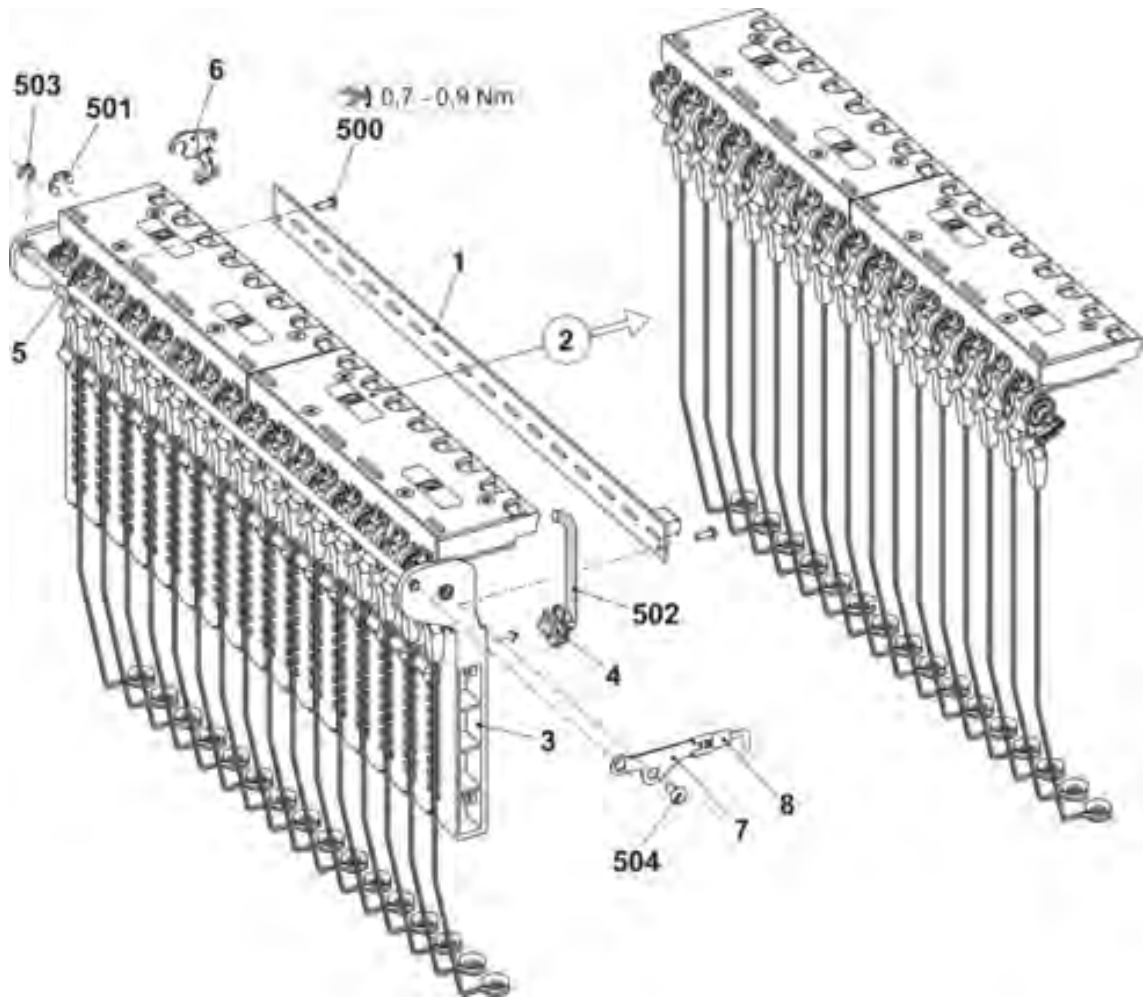
Pos	Designation	Id		Pos	Designation	Id
2	Yarn tensioner on the right complete E7-8	244 502		504	Screw KB60 x 20	237 682



17.8 Parts for the right safety door E6.2

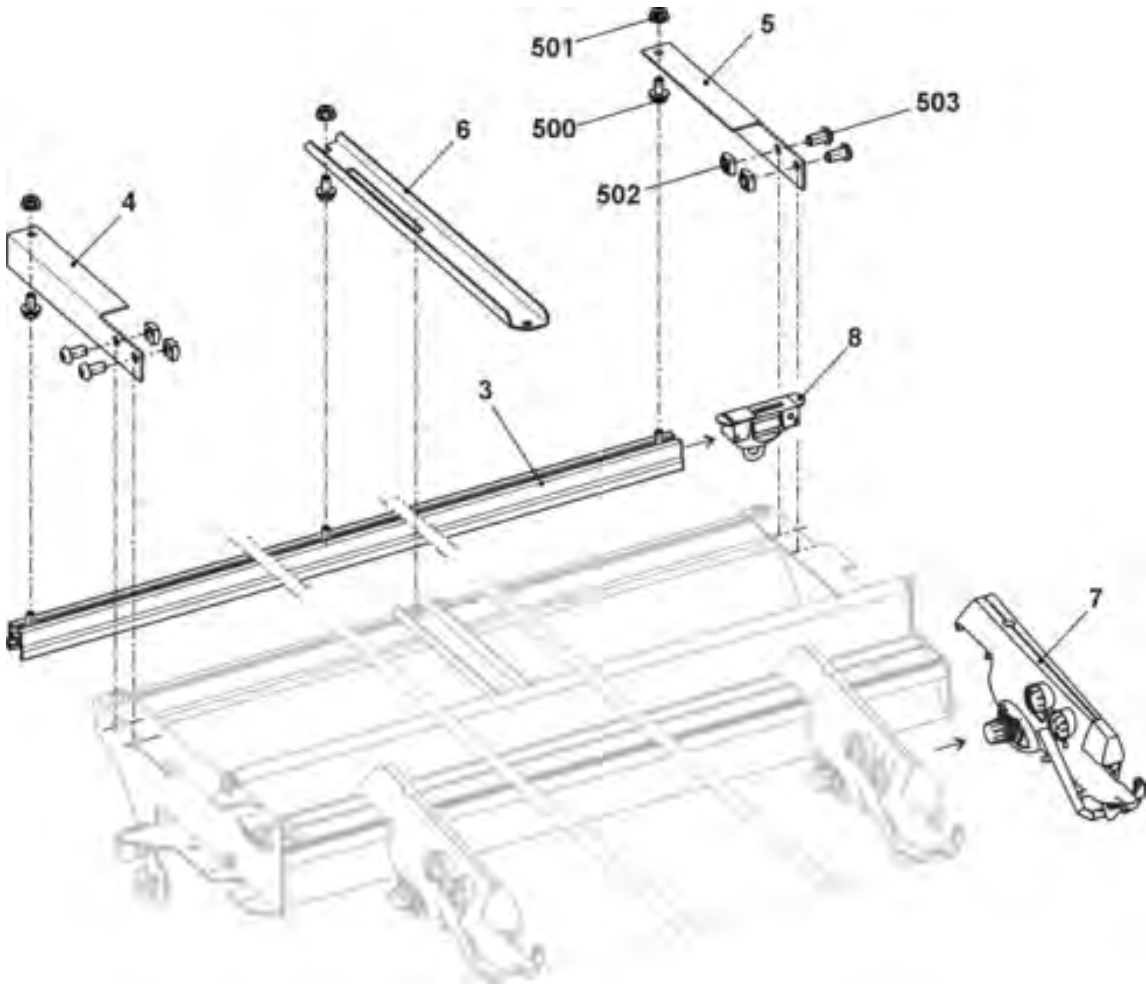
17.8.1 Yarn tensioner on the right E6.2

Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn tensioner on the right complete E7-8	244 502		7	Grounding plate of tension axle	243 121
1	Card yarn tensioner 16-fold on the right	241 346		8	Ground cable yarn tensioner OKC	243 105
2	Tension axle complete E3-8 (E6.2)	244 494		500	Screw KB 30x8	236 228
3	Housing	241 367		501	Circlip	021 022
4	Slider	241 694		502	Tension spring 4.9x0.5x53 (E6.2)	023 503
5	Stop point	241 368		503	Circlip	021 020
6	Spacer	242 048		504	Countersunk screw M4x12	241 914



17.9 Parts for the yarn guide system

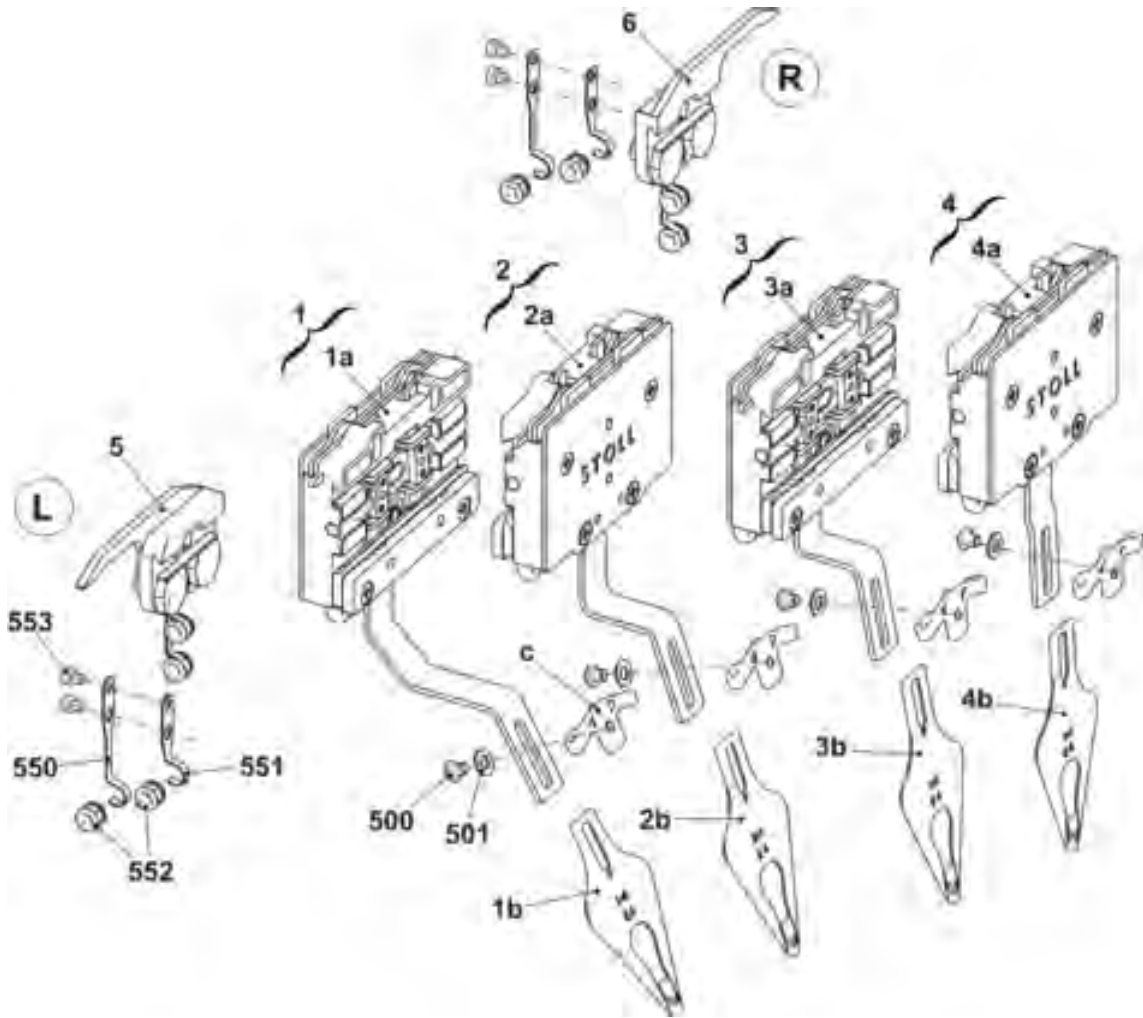
Pos	Designation	Id		Pos	Designation	Id
Σ	Yarn guide system					
3	Yarn guide rail 96"	242 431		8	Yarn guide bracket complete	241 581
4	Support on the left	243 602		500	Self-locking screw M6x12	023 415
5	Support on the right	243 603		501	Ribbed lock washer M6-10	023 414
6	Support	239 295		502	Square nut M8	023 269
7	Yarn control device	237 124		503	Countersunk screw M8x16	023 113



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

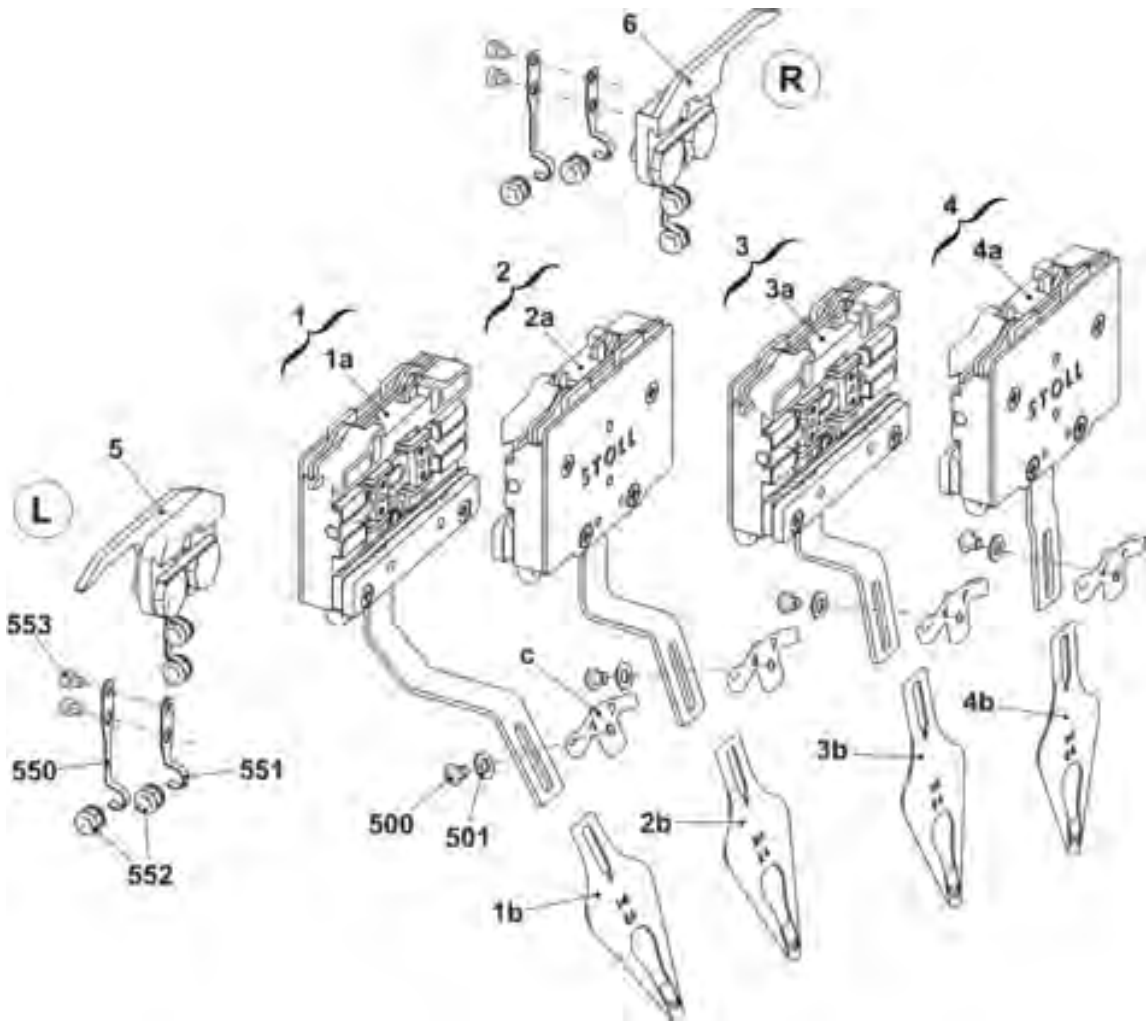
17.10 Yarn guide complete E10|E12|E14|E7.2|E8.2 IFF

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E10-14 IFF 24	256 936			
	Yarn guide complete E10-14 IFF 32	245 163			
1	IFF carriage complete 1+8 E10-14	250 327	5	Limiter on the left with two eyelets	244 446
	1a IFF carriage 1+8	250 315		550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E10-14	250 008		551 Eyelet holder complete	022 323
2	IFF carriage complete 2+7 E10-14	250 328		552 Eyelet 4.2	021 499
	2a IFF carriage 2+7	250 316		553 Cap screw M3.5x4	020 011
	2b Yarn carrier head 2+7 complete E10-14	250 009	6	Limiter on the right with two eyelets	244 445
3	IFF carriage complete 3+6 E10-14	250 329	c	Yarn guide angle	242 863
	3a IFF carriage 3+6	250 317	500	Pan-head screw M4x5	239 549
	3b Yarn carrier head 3-6 complete E10-14	250 010	501	U-washer 4	020 870
4	IFF carriage complete 4+5 E10-14	250 330			
	4a IFF carriage E10-14	250 318			
	4b Yarn carrier head 3-6 complete E10-14	250 010			



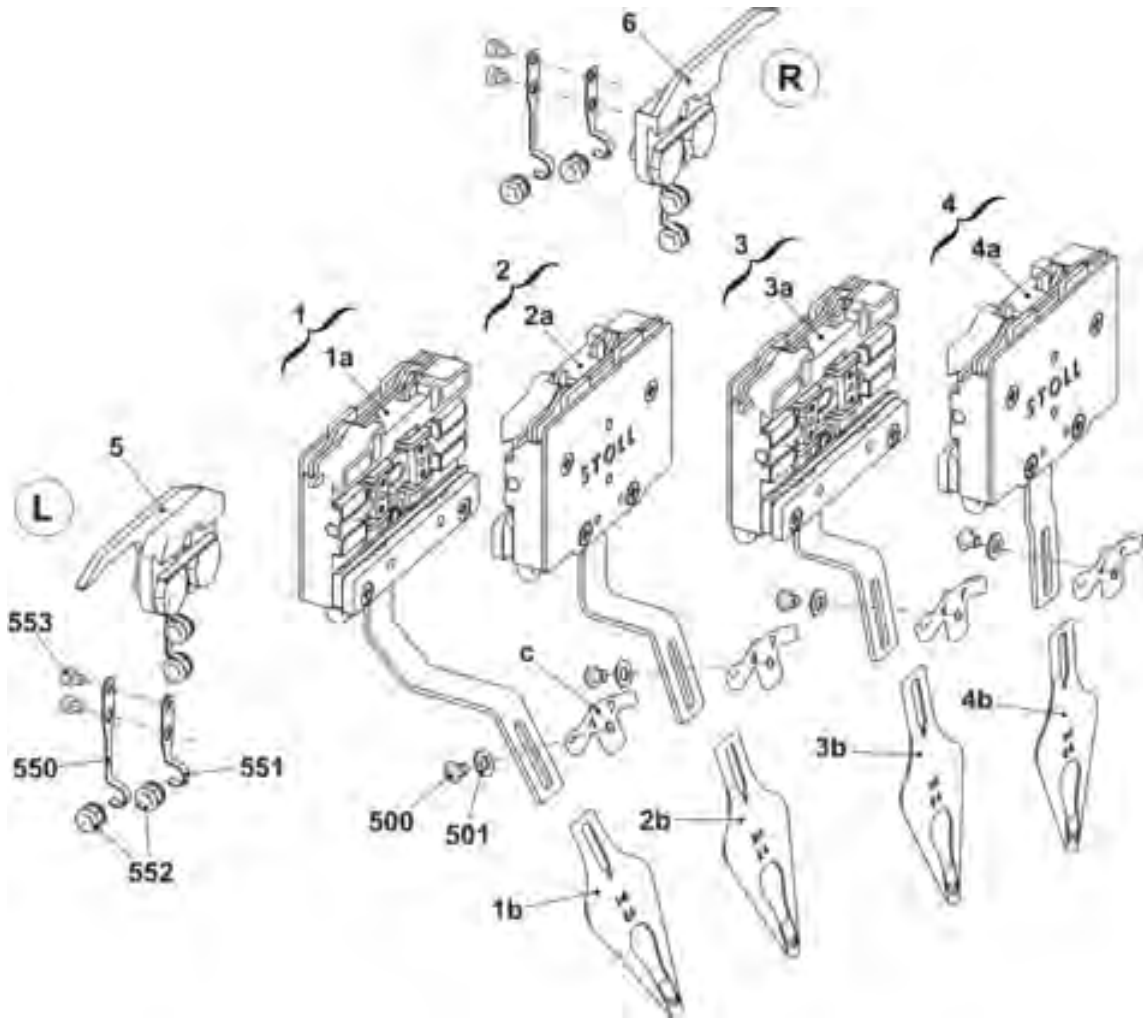
17.11 Yarn guide complete E16 IFF

Pos	Designation	Id	Pos	Designation	Id
Σ	Yarn guide complete E16-18 IFF 24	256 937			
	Yarn guide complete E16-18 IFF 32	245 164			
1	IFF carriage complete 1+8 E16-18	250 331	5	Limiter on the left with two eyelets	244 446
	1a IFF carriage 1+8	250 315		550 Eyelet holder complete	022 324
	1b Yarn carrier head 1+8 complete E16-18	250 011		551 Eyelet holder complete	022 323
2	IFF carriage complete 2+7 E16-18	250 332		552 Eyelet 4.2	021 499
	2a IFF carriage 2+7	250 316		553 Cap screw M3.5x4	020 011
	2b Yarn carrier head 2+7 complete E16-18	250 012	6	Limiter on the right with two eyelets	244 445
3	IFF carriage complete 3+6 E16-18	250 333	c	Yarn guide angle	242 863
	3a IFF carriage 3+6	250 317	500	Pan-head screw M4x5	239 549
	3b Yarn carrier head 3-6 complete E16-18	250 013	501	U-washer 4	020 870
4	IFF carriage complete 4+5 E16-18	250 334			
	4a IFF carriage 4+5	250 318			
	4b Yarn carrier head 3-6 complete E16-18	250 013			



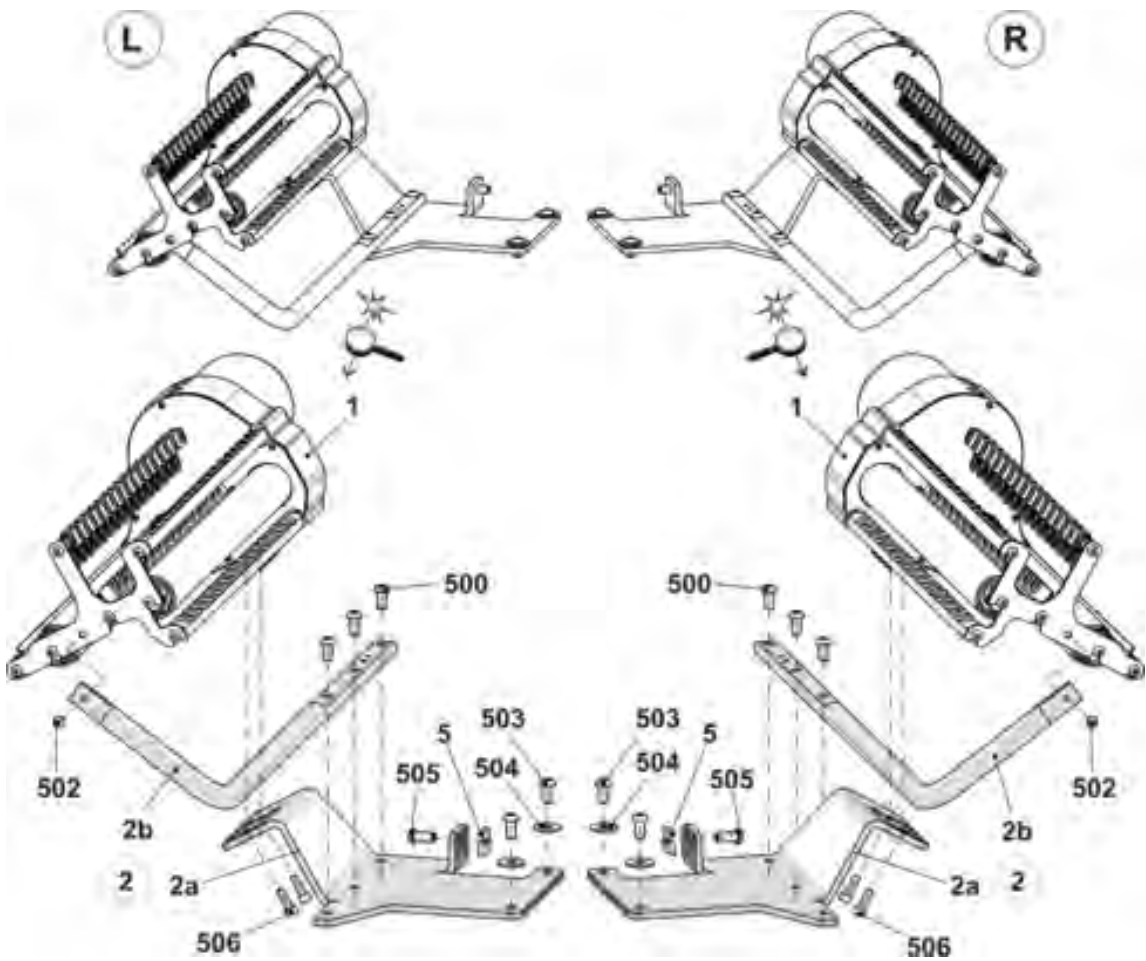
17.12 Yarn guide complete E6.2 IFF

Pos	Designation		Id		Pos	Designation		Id
Σ	Yarn guide complete E7-8 IFF 24		256 935					
	Yarn guide complete E7-8 IFF 32		245 162					
1	IFF carriage complete 1+8 E7-8		250 323		5	Limiter on the left with two eyelets		244 446
	1a	IFF carriage 1+8	250 315			550	Eyelet holder complete	022 324
	1b	Yarn carrier head 1+8 complete E7-8	244 082			551	Eyelet holder complete	022 323
2	IFF carriage complete 1+8 E7-8		250 324			552	Eyelet 4.2	021 499
	2a	IFF carriage 2+7	250 316			553	Cap screw M3.5x4	020 011
	2b	Yarn carrier head 2+7 complete E7-8	244 083		6	Limiter on the right with two eyelets		244 445
3	IFF carriage complete 3+6 E7-8		250 325		c	Yarn guide angle		242 863
	3a	IFF carriage 3+6	250 317		500	Pan-head screw M4x5		239 549
	3b	Yarn carrier head 3-6 complete E7-8	244 084		501	U-washer 4		020 870
4	IFF carriage complete 4+5 E7-8		250 326					
	4a	IFF carriage 4+5	250 318					
	4b	Yarn carrier head 3-6 complete E7-8	244 084					



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

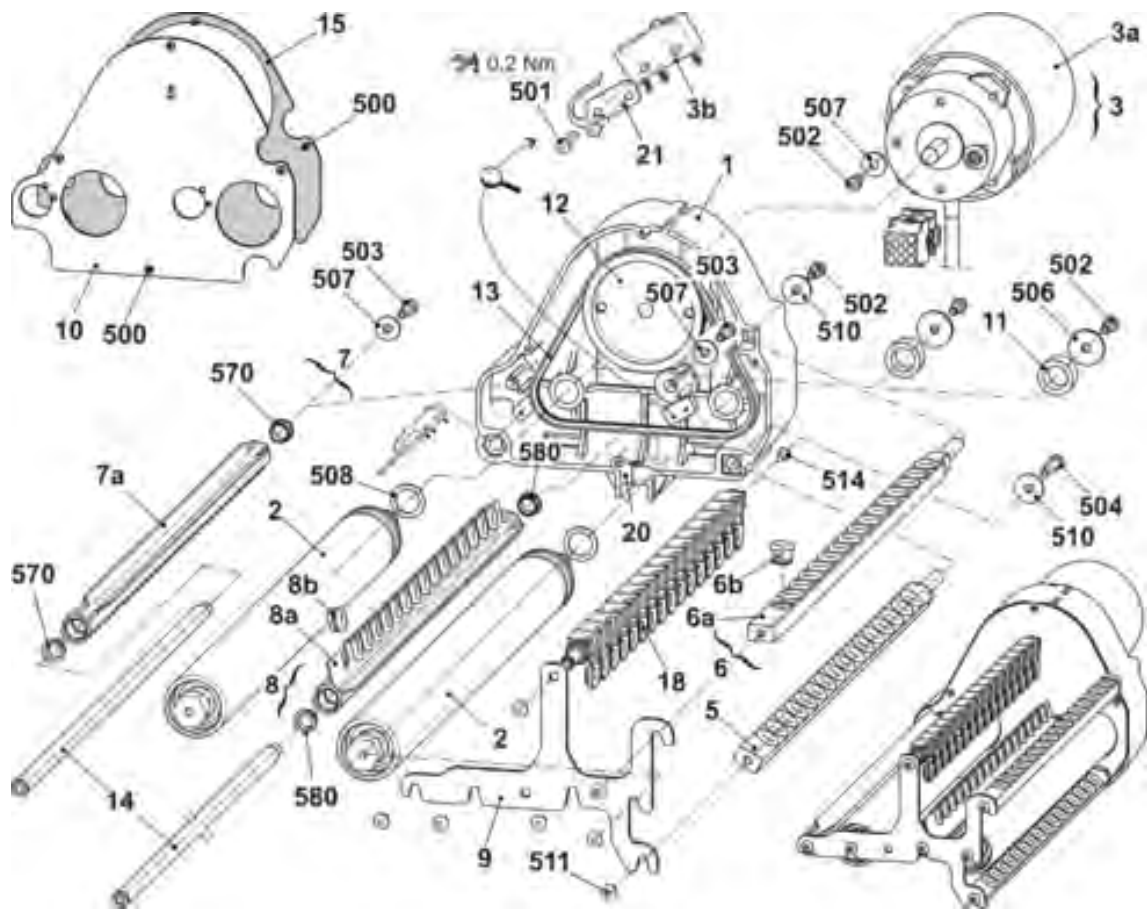
Pos	Designation		Id		Pos	Designation		Id
Σ L	Friction feed wheel 16 fold on the left complete		254 900		Σ R	Friction feed wheel 16 fold on the right complete		254 901
1	Friction feed wheel on the left		244 185		1	Friction feed wheel on the right		244 186
2	Support of left feed wheel 16 fold		254 534		2	Support of right feed wheel 16 fold		254 533
	2a	Support of left feed wheel 16 fold	253 841			2a	Support of right feed wheel 16 fold	253 842
	2b	Support of table on the left	244 560			2b	Support of table on the right	244 561
	500	Countersunk screw M8x16	023 113			500	Countersunk screw M8x16	023 113
5	Sliding block		228 851		5	Sliding block		228 851
502	Countersunk screw M5x8		239 408		502	Countersunk screw M5x8		239 408
503	Countersunk screw M8x16		023 113		503	Countersunk screw M8x16		023 113
504	U-washer		023 248		504	U-washer		023 248
505	Countersunk screw M8x18		251 331		505	Countersunk screw M8x18		251 331
506	Cap screw M6x16		020 135		506	Cap screw M6x16		020 135



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

17.13.1 Friction feed wheel on the left

Pos	Designation	Id		Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the left complete	244 185		11	Bush	221 391
1	Housing	240 368		12	Ribbed V-belt pulley	221 268
2	Friction roller complete	243 860		13	Ribbed V-belt	206 927
3	Three-phase A.C. motor 3x42V complete	219 800		14	Rod	243 868
	3a	Three-phase A.C. motor	220 161	15	Cover	230 758
	3b	Microswitch	008 664	18	Deflector complete 16-fold	250 102
5	Yarn guide rod 16-fold complete	244 576		20	Grounding plate	256 622
6	Yarn guide rod 16-fold complete	244 578		21	Spring plate	256 702
	6a	Yarn guide rod 16-fold	244 577	500	Screw KB 30x8	236 228
	6b	Ceramic eyelet	240 640	501	Screw M20x10	244 736
7	Stop motion rail on the right complete	243 863		502	Cap screw M5x12	020 132
	7a	Stop motion rail on the right	243 864	503	Cap screw M5X16	022 726
	570	Slide bearing GFM-101214-07	023 627	504	Cap screw M5X25	023 523
8	Stop motion rail on the left complete	243 865		506	Washer 6.1x9x0.5	023 219
	8a	Stop motion rail on the left	243 866	507	U-washer 5	020 901
	8b	Eyelet	230 662	508	Shim ring 15x21x1	023 216
	580	Slide bearing GFM-101214-07	023 627	510	U-washer 5	023 542
9	Strap	251 113		511	Countersunk screw M5x8	239 408
10	Cover	251 098		514	Pan-head screw M4x8	023 579



17.13.2 Friction feed wheel on the right

Pos	Designation		Id		Pos	Designation	Id
Σ	Friction feed wheel 16 fold on the right complete		244 186		11	Bush	221 391
1	Housing		240 368		12	Ribbed V-belt pulley	221 268
2	Friction roller complete		243 860		13	Ribbed V-belt	206 927
3	Three-phase A.C. motor 3x42V complete		219 800		14	Rod	243 868
	3a	Three-phase A.C. motor	220 161		15	Cover	230 758
	3b	Microswitch	008 664		18	Deflector complete 16-fold	250 102
5	Yarn guide rod 16-fold complete		244 772		20	Grounding plate	256 622
6	Yarn guide rod 16-fold complete		244 578		21	Spring plate	256 702
	6a	Yarn guide rod 16-fold	244 577		500	Screw KB 30x8	236 228
	6b	Ceramic eyelet	240 640		501	Screw M20x10	244 736
7	Stop motion rail on the right complete		243 863		502	Cap screw M5x12	020 132
	7a	Stop motion rail on the right	243 864		503	Cap screw M5X16	022 726
	570	Slide bearing GFM-101214-07	023 627		504	Cap screw M5X25	023 523
8	Stop motion rail on the right complete		244 530		506	Washer 6.1x9x0.5	023 219
	8a	Stop motion rail on the right	244 531		507	U-washer 5	020 901
	8b	Eyelet	230 662		508	Shim ring 15x21x1	023 216
	580	Slide bearing GFM-101214-07	023 627		510	U-washer 5	023 542
9	Strap		251 113		511	Countersunk screw M5x8	239 408
10	Cover		251 098		514	Pan-head screw M4x8	023 579

