

# STOLL

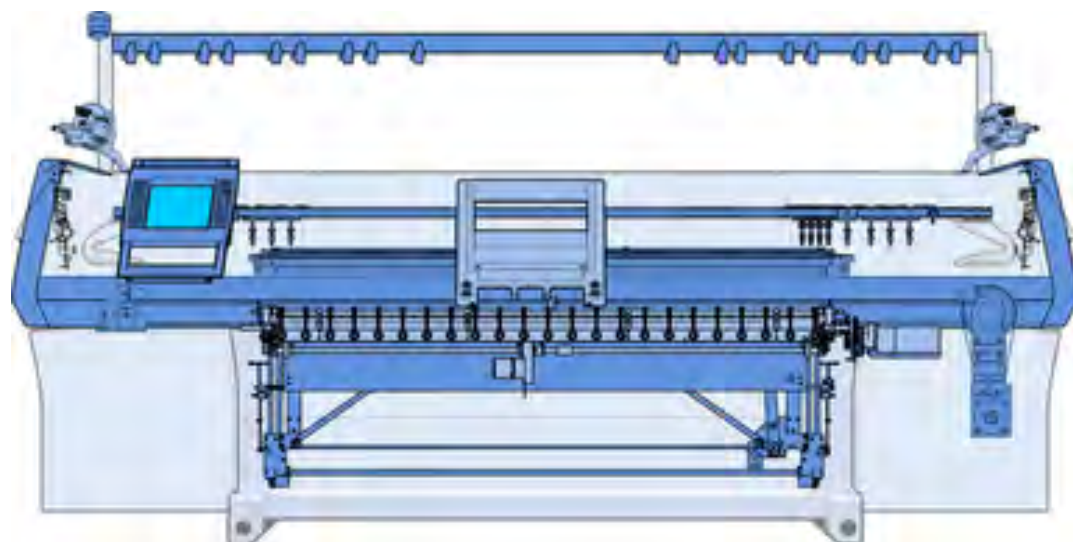
THE RIGHT WAY TO KNIT

## Sprare-parts catalog

### CMS 730T (Type 588)

#### Component type 002

E6.2(12) | E7.2(12) | E6.2 | E7.2



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# 1 Introduction

## Imprint

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H. Stoll GmbH & Co.KG

Stollweg 1

D-72760 Reutlingen, Germany

Phone: +49 (07121) 313-289

Fax: +49 (07121) 313-347

e-mail: spareparts@stoll.com

## Notes for the order

This catalog serves to order spare parts.

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

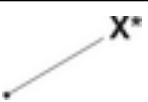
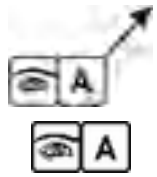
When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

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

Only genuine STOLL spare parts may be used for repairs.

# 1.1 Search help

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

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

1.2 Torques

| Drehmomente<br>Torques<br>Couples<br>Coppias<br>Momentos de rotación                                 |     | Festigkeitsklassen<br>Property class<br>Classes de résistance<br>Classi di resistenza<br>Clasas de resistencia |     |      |
|------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------|-----|------|
| [Nm] ± 10 % (für $\mu_{\text{ges}} = 0,12$ )                                                         |     | 4,8                                                                                                            | 8,8 | 12,9 |
| Regelgewinde<br>Coarse-pitch thread<br>Filetage à pas gros<br>Filatto regolatore<br>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.

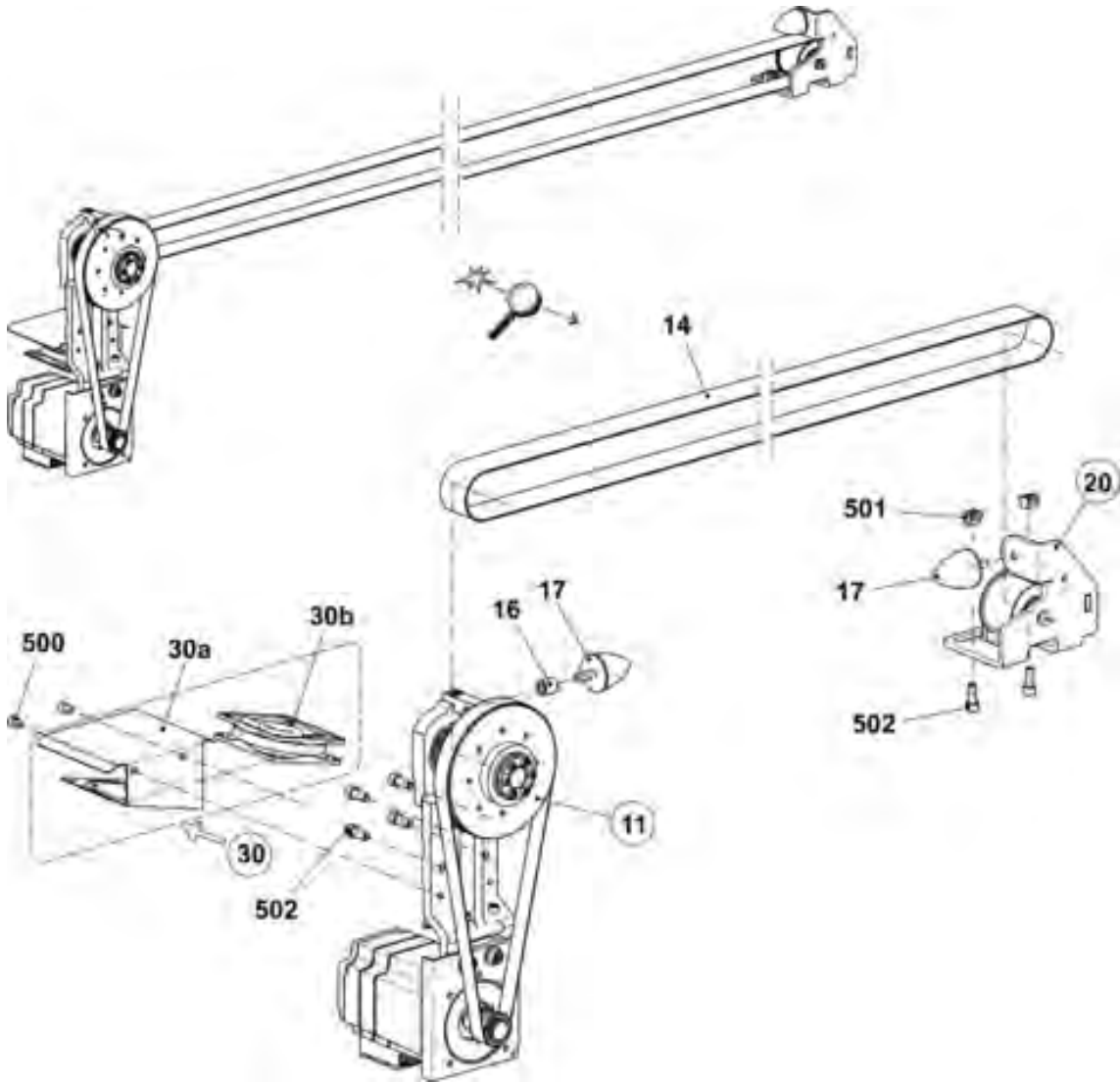
Notes:

## 2 Carriage drive



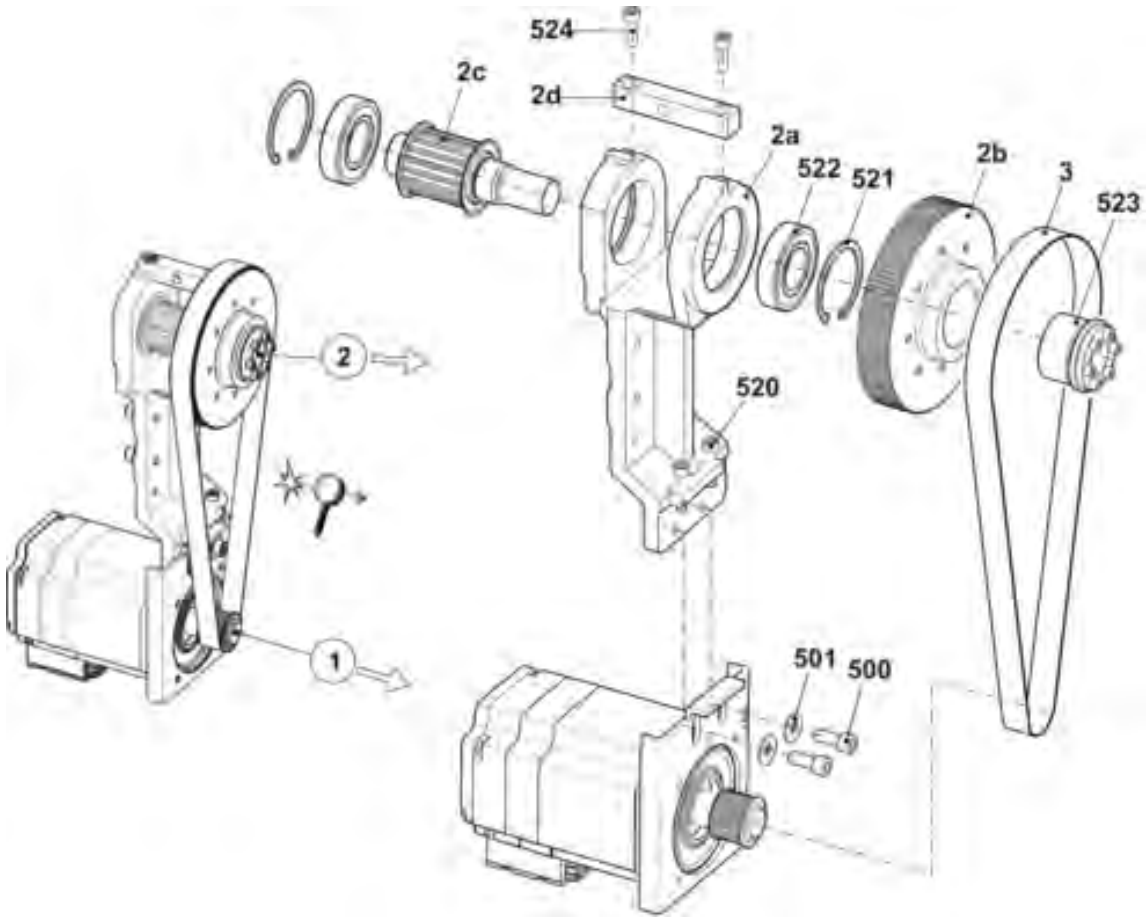
2.1 Drive

| Pos | Designation              | ID      | Pos | Designation           | ID      |
|-----|--------------------------|---------|-----|-----------------------|---------|
| Σ   | Drive unit               |         | 30  | Fan complete          | 242 413 |
| 11  | Drive unit complete      | 240 743 | 30a | Fan plate drive motor | 241 823 |
| 14  | Toothed belt50AT10/6370  | 253 850 | 30b | Fan complete512       | 213 722 |
| 16  | Spacer pipe              | 222 099 | 500 | Cap screws M8x12      | 023 138 |
| 17  | Parabolic spring         | 200 661 | 501 | Sliding nut M10X12    | 023 471 |
| 20  | Tension bearing complete | 251 581 | 502 | Cap screw M10X25      | 020 157 |



2.1.1 Motor and belt drive

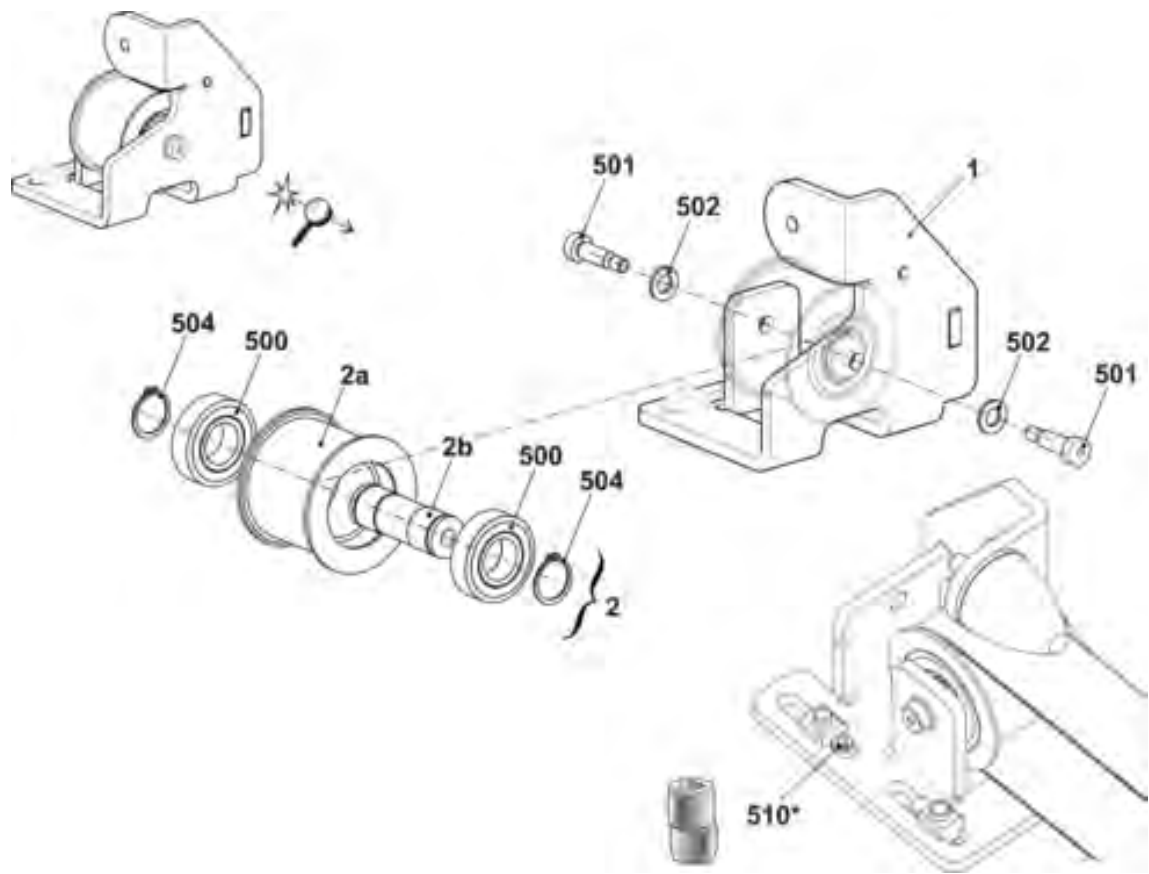
| Pos | Designation            | Id                  |  | Pos | Designation                    | Id      |
|-----|------------------------|---------------------|--|-----|--------------------------------|---------|
| Σ   | Drive unit complete    | 240 743             |  |     |                                |         |
| 1   | Drive unit             | 256 301             |  | 521 | Locking ring68x2.5             | 022 914 |
| 2   | Drive bearing complete | 255 005             |  | 522 | Grooved ball bearing 6207-2RS  | 022 915 |
|     | 2a                     | Drive bearing       |  | 523 | Tension set 30X55              | 023 208 |
|     | 2b                     | Toothed belt pulley |  | 524 | Cap screw M8X25 12.9           | 020 142 |
|     | 2c                     | Pinion57 AT10 18    |  | 3   | Toothed belt250 HP-S5M 1050 NG | 240 628 |
|     | 2d                     | Support of buffer   |  | 500 | Cap screw M10X25               | 020 157 |
|     | 520                    | Cap screw M8X35     |  | 501 | Disk10,5X25X2,5                | 022 178 |



2.1 Drive

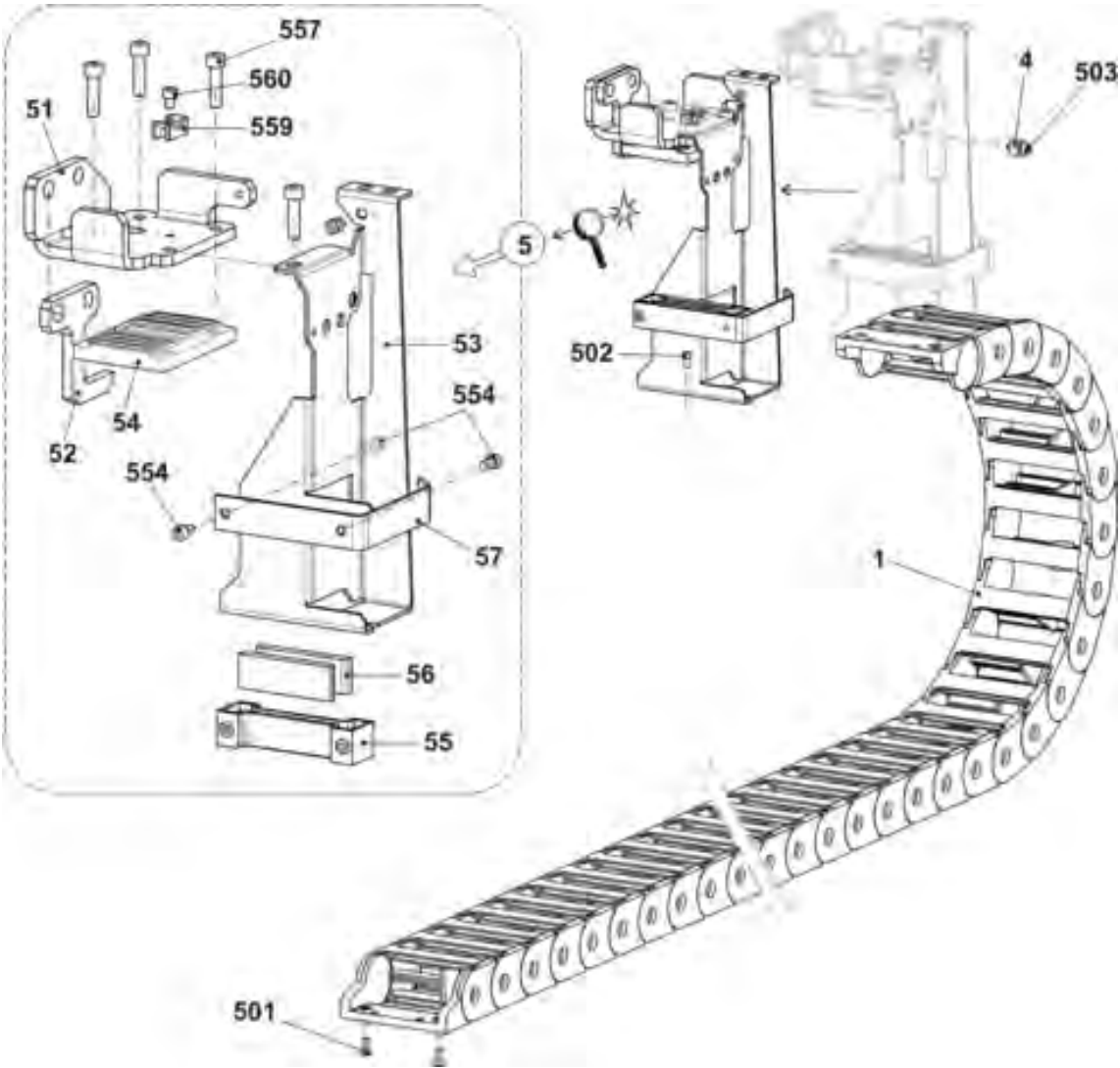
2.1.2 Tension bearing

| Pos | Designation              | Id      |  | Pos | Designation                   | Id      |
|-----|--------------------------|---------|--|-----|-------------------------------|---------|
| Σ   | Tension bearing complete | 251 581 |  | 500 | Grooved ball bearing 6305-2RS | 255 686 |
| 1   | Tension bearing          | 251 560 |  | 501 | Cap screw M10x25              | 023 751 |
| 2   | Axle                     | 251 579 |  | 502 | Washer                        | 020 874 |
| 3   | Tension roller           | 255 684 |  | 504 | Locking ring25x1,2            | 251 617 |



2.2 Energy chain and plunger

| Pos | Designation                 | ID      | Pos | Designation                           | ID      |
|-----|-----------------------------|---------|-----|---------------------------------------|---------|
| 1   | Energy chain 36 links       | 259 233 | 5   | Continuation carriage driver complete |         |
| 4   | Threaded spacer             | 214 584 | 57  | Cover strip                           | 258 379 |
| 5   | Carriage driver complete    | 259 280 | 554 | Cap screw M6x12                       | 020 134 |
| 51  | Carriage driver             | 258 380 | 557 | Cap screw M8x30                       | 020 143 |
| 52  | Switch flag carriage driver | 258 381 | 559 | Fixing element                        | 026 489 |
| 53  | Cable driver                | 259 286 | 560 | Cap screw M6x8                        | 023 411 |
| 54  | Clamping plate              | 252 592 | 501 | Cap screw M6x8                        | 023 411 |
| 55  | Cable holder                | 204 688 | 502 | Cap screw M6x16                       | 020 135 |
| 56  | Cellular caoutchouc black   | 202 597 | 503 | Cap screw M6x20                       | 020 136 |



2.2 Energy chain and plunger

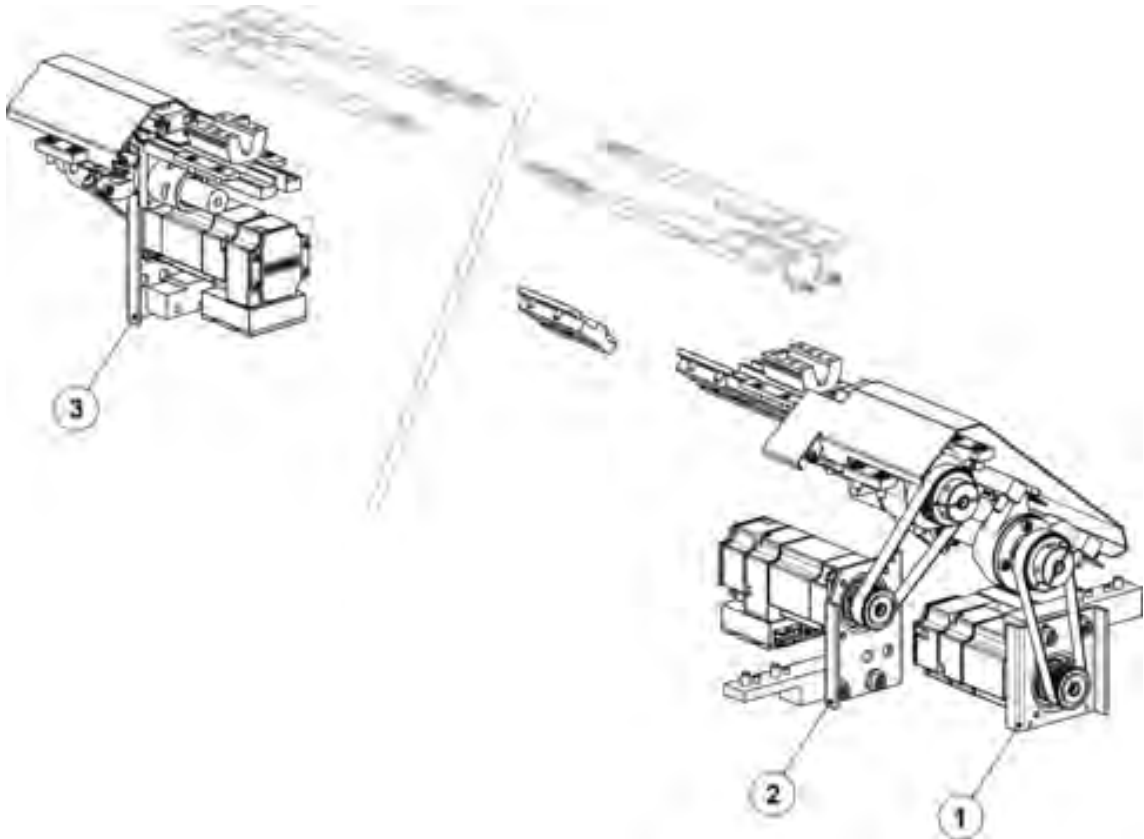
Notes:

## 3 Racking



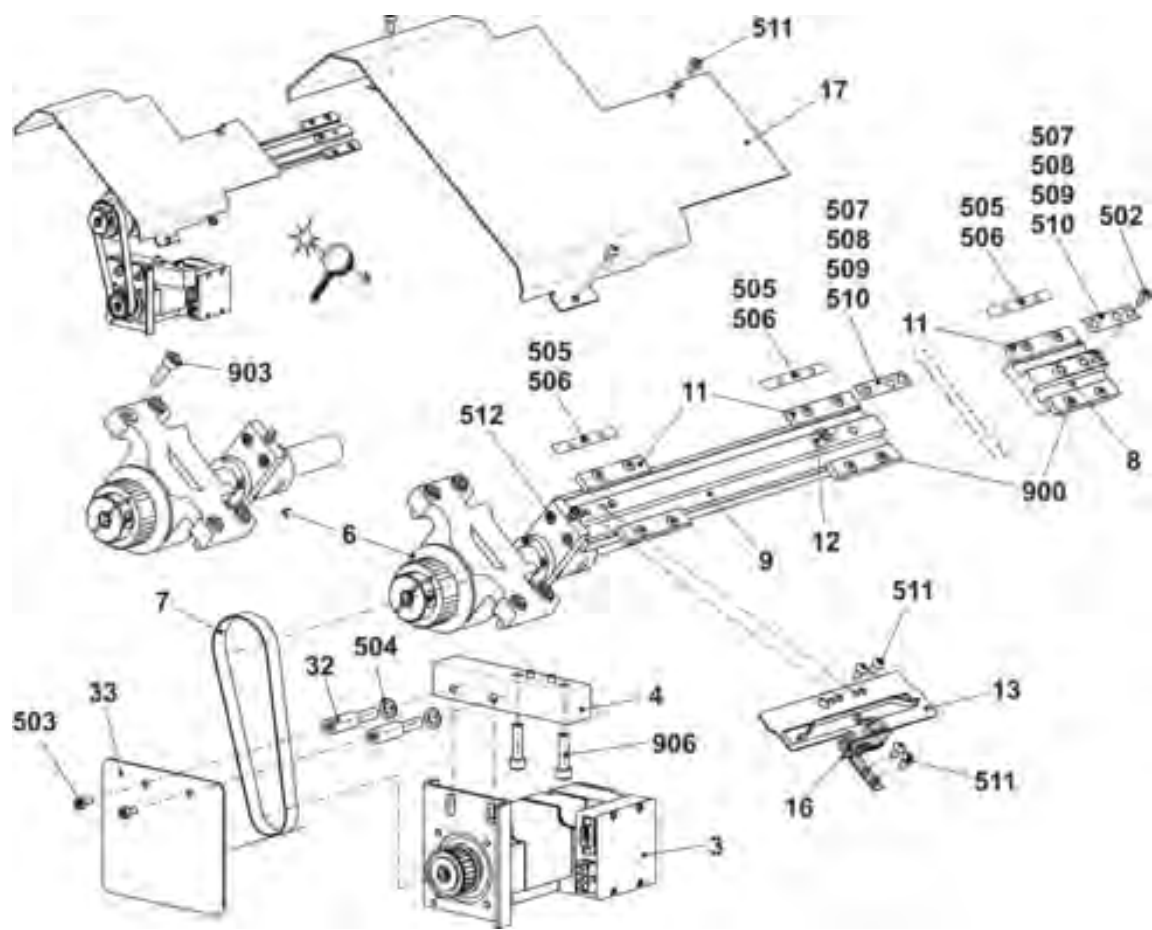
3.1 Racking needle bed and additional bed

| Pos | Designation                         | ID |  | Pos | Designation | ID |
|-----|-------------------------------------|----|--|-----|-------------|----|
| 1   | Needle bed racking                  |    |  |     |             |    |
| 2   | Additional bed racking on the right |    |  |     |             |    |
| 3   | Racking needle bed on the left      |    |  |     |             |    |



3.2 Needle bed racking

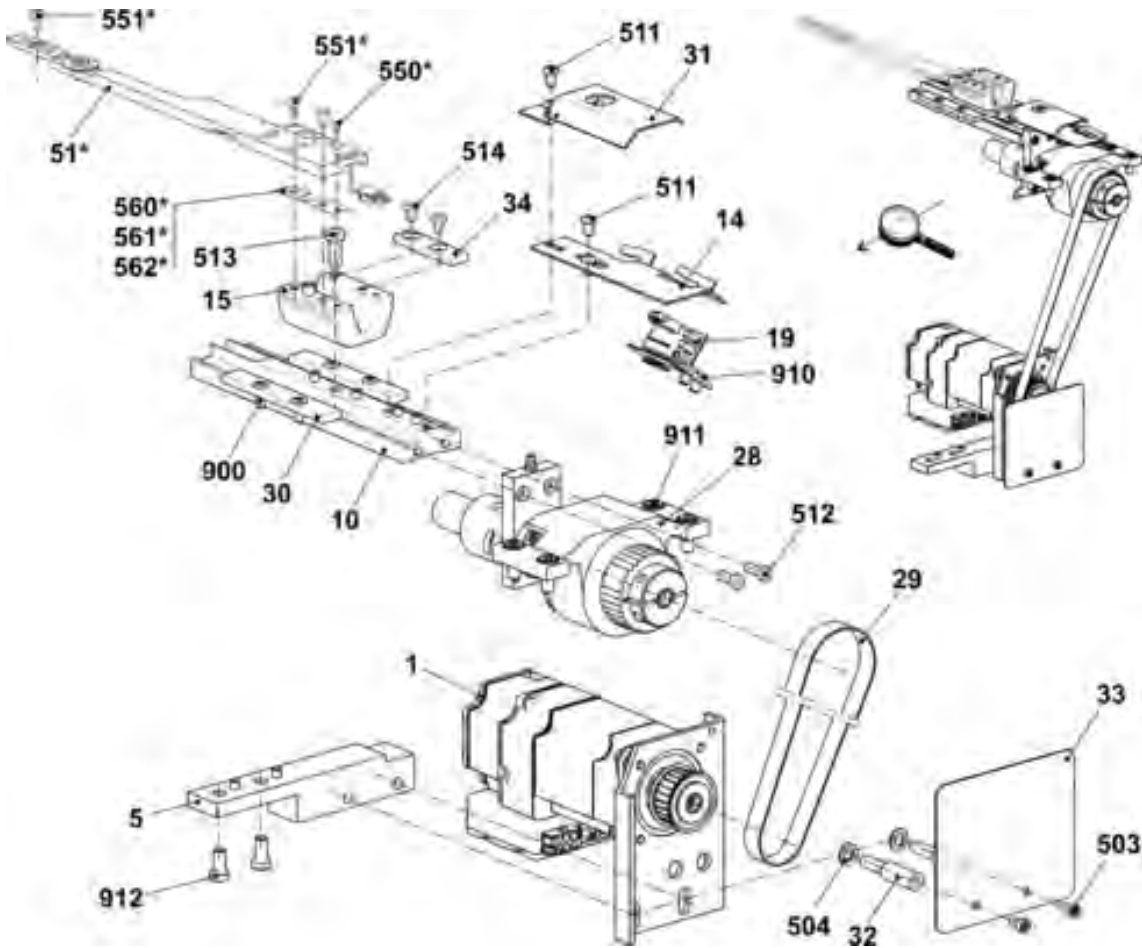
| Pos | Designation                                 | ID      | Pos | Designation          | ID      |
|-----|---------------------------------------------|---------|-----|----------------------|---------|
| Σ   | Needle bed racking                          |         | 502 | Cap screw M6x8       | 020 044 |
| 3   | Three-phase AC servo motor racking complete | 241 454 | 503 | Cap screw M5x10      | 022 918 |
| 4   | Bearing                                     | 227 605 | 504 | Washer8,4x20x3       | 022 175 |
| 6   | Spindle bearing                             | 253 262 | 505 | Shim0,03x11x80       | 023 286 |
| 7   | Toothed belt150 S 5M 425                    | 229 280 | 506 | Shim0,05x11x80       | 023 287 |
| 8   | Racking strip on the left                   | 219 648 | 507 | Shim0,03x15x63       | 023 482 |
| 9   | Racking strip                               | 241 853 | 508 | Shim0,05x15x63       | 023 483 |
| 11  | Guide strip                                 | 206 382 | 509 | Shim0,1x15x63        | 023 484 |
| 12  | Stop screw                                  | 222 645 | 510 | Shim0,2x15x63        | 023 485 |
| 13  | Switch plate                                | 240 722 | 511 | Pan-head screw M6x10 | 023 183 |
| 16  | Card racking limit switch                   | 229 396 | 512 | Cap screw M6x16      | 023 116 |
| 17  | Cover plate racking                         | 244 436 | 903 | Cap screw M8x25      | 020 142 |
| 32  | Distance bolt                               | 232 543 | 900 | Cap screw M6x12      | 022 795 |
| 33  | Cover plate                                 | 232 544 | 906 | Cap screw M8x30      | 020 143 |



3.3 Additional needle bed racking on the right

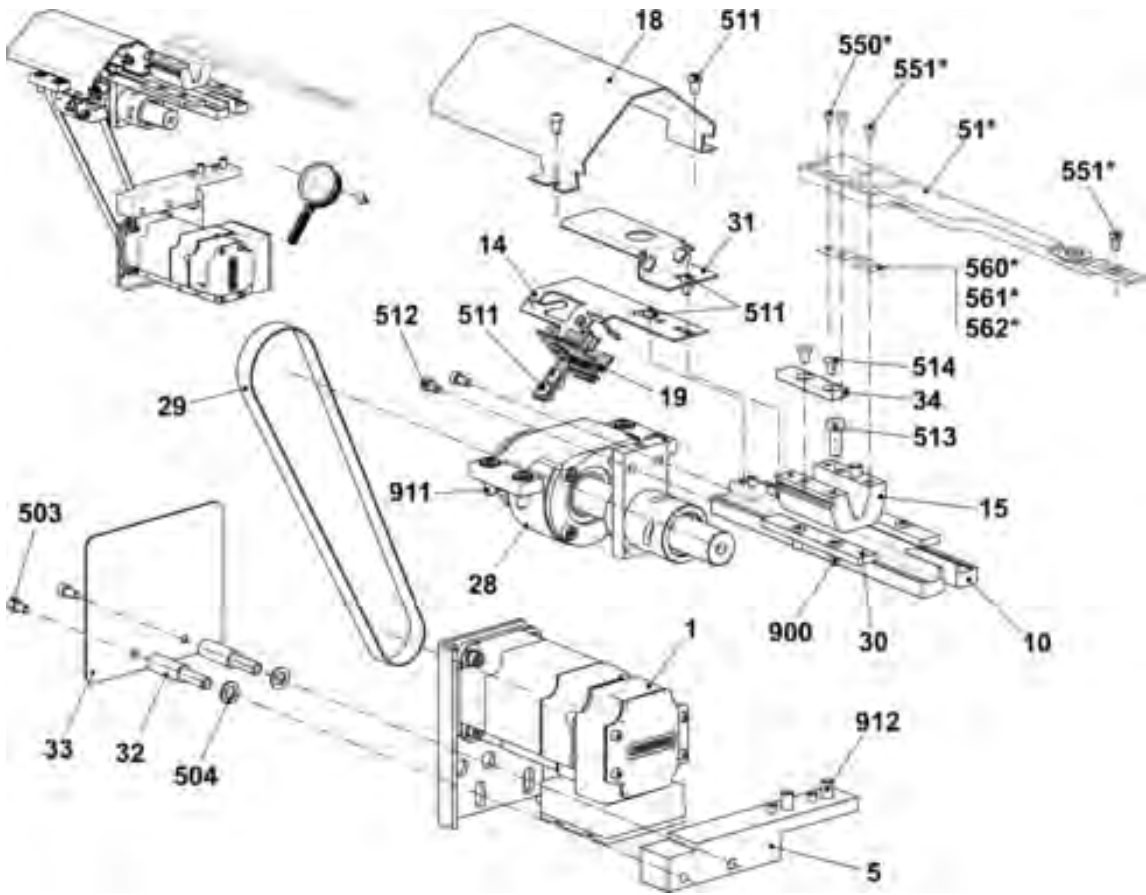
3.3 Additional needle bed racking on the right

| Pos | Designation                                 | ID      | Pos  | Designation                                   | ID      |
|-----|---------------------------------------------|---------|------|-----------------------------------------------|---------|
| Σ   | Additional needle bed racking on the right  |         | 508  | Cap screw M8x16                               | 023 144 |
| 8   | Guide strip                                 | 206 382 | 509  | Cap screw M6x16                               | 023 116 |
| 30  | Three-phase AC servo motor racking complete | 242 731 | 510  | Cap screw M6x12                               | 022 795 |
| 31  | Spindle bearing                             | 243 206 | 518  | Pan-head screw M6x10                          | 023 183 |
| 32  | Racking strip additional needle bed         | 242 907 | 521  | Washer8,4x20x3                                | 022 175 |
| 33  | Card racking limit switchTC-R               | 232 300 | 533  | Shim0,03x11x80                                | 023 286 |
| 34  | Switch plateZB                              | 242 908 | 534  | Shim0,05x11x80                                | 023 287 |
| 35  | Bearing                                     | 243 599 | 560* | Shim0,05x60x15                                | 023 479 |
| 36  | Toothed belt150 S5M 410                     | 244 254 | 561* | Shim0,10x60x15                                | 023 480 |
| 37  | Plunger additional needle bed               | 243 197 | 562* | Shim0,20x60x15                                | 023 481 |
| 38  | Sheet metal for plug                        | 242 909 | 51*  | Connection at the front on the right complete | 229 473 |
| 502 | Cap screw M8x25                             | 020 142 | 550* | Cap screw M4x6                                | 020 019 |
| 503 | Cap screw M8x16                             | 023 629 | 551* | Cap screw M6x8                                | 023 532 |
| 507 | Cap screw M8x20                             | 023 621 | 552* | Cap screw M6x10                               | 022 773 |



3.4 Additional needle bed racking on the left

| Pos | Designation                                 | ID      | Pos  | Designation                                 | ID      |
|-----|---------------------------------------------|---------|------|---------------------------------------------|---------|
| Σ   | Racking needle bed on the left              |         |      |                                             |         |
| 8   | Guide strip                                 | 206 382 | 508  | Cap screw M8x16                             | 023 144 |
| 24  | Cover plate racking                         | 244 435 | 509  | Cap screw M6x16                             | 023 116 |
| 30  | Three-phase AC servo motor racking complete | 242 731 | 510  | Cap screw M6x12                             | 022 795 |
| 31  | Spindle bearing                             | 243 206 | 518  | Pan-head screw M6x10                        | 023 183 |
| 32  | Racking strip additional needle bed         | 242 907 | 521  | Washer8,4x20x3                              | 022 175 |
| 33  | Card racking limit switchTC-R               | 232 300 | 533  | Shim0,03x11x80                              | 023 286 |
| 34  | Switch plateZB                              | 242 908 | 534  | Shim0,05x11x80                              | 023 287 |
| 35  | Bearing                                     | 243 599 | 560* | Shim0,05x60x15                              | 023 479 |
| 36  | Toothed belt150 S5M 410                     | 244 254 | 561* | Shim0,10x60x15                              | 023 480 |
| 37  | Plunger additional needle bed               | 243 197 | 562* | Shim0,20x60x15                              | 023 481 |
| 38  | Sheet metal for plug                        | 242 909 | 51*  | Connection at the rear on the left complete | 229 473 |
| 502 | Cap screw M8x25                             | 020 142 | 550* | Cap screw M4x6                              | 020 019 |
| 503 | Cap screw M8x16                             | 023 629 | 551* | Cap screw M6x8                              | 023 532 |
| 507 | Cap screw M8x20                             | 023 621 | 552* | Cap screw M6x10                             | 022 773 |



3.4 Additional needle bed racking on the left

Notes:

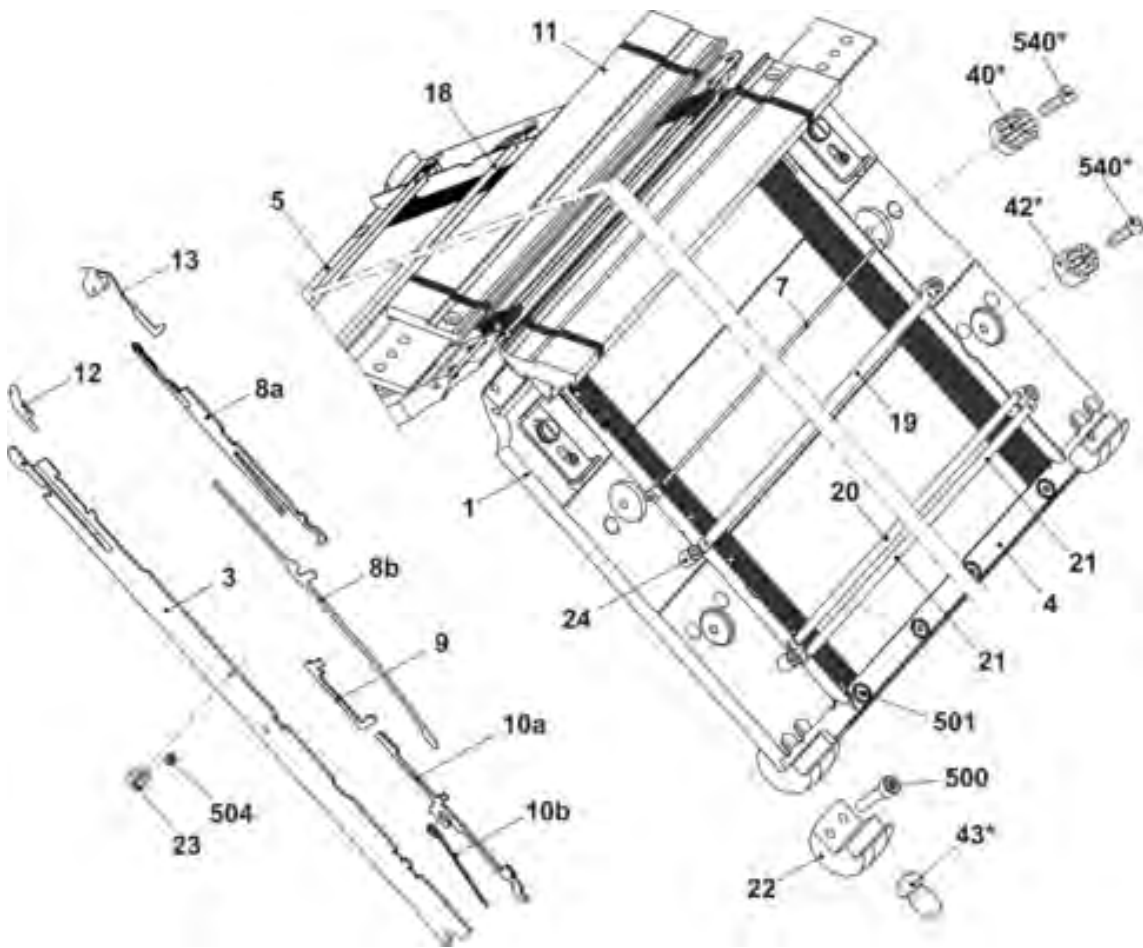
## 4 Needle beds



4.1 Needle bed E6.2

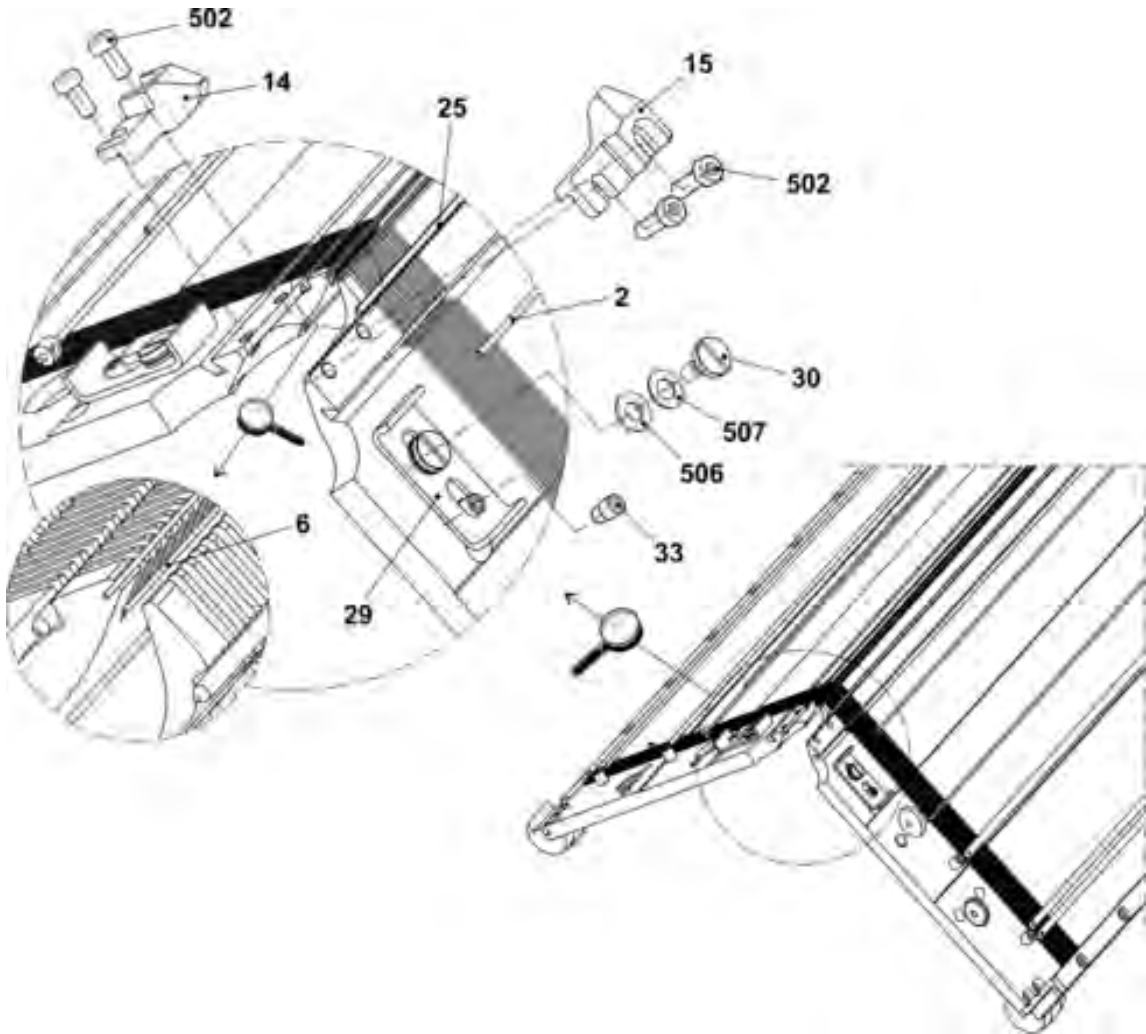
4.1 Needle bed E6.2

| Pos | Designation                                   | ID      |  | Pos  | Designation                 | ID      |
|-----|-----------------------------------------------|---------|--|------|-----------------------------|---------|
| Σ   | Needle bed complete at the front and rearE6.2 | 236 015 |  | 18   | Cover rail at the rear      | 218 725 |
| 1   | Needle bed at the front + rearE6.2            | 238 009 |  | 19   | Cover rail at the front E12 | 218 727 |
| 3   | Main trick wall E12                           | 219 278 |  | 20   | Cover rail                  | 218 728 |
| 4   | Pressure slide                                | 218 673 |  | 21   | Cover rail                  | 218 729 |
| 5   | Pressure slide at the rear                    | 234 943 |  | 22   | Support                     | 206 352 |
| 7   | Spring steel wire ø2,0 mm                     | 218 676 |  | 23   | Bush                        | 206 090 |
| 8A  | Needle E6.2                                   | 207 349 |  | 24   | Stop screw                  | 214 039 |
| 8b  | Coupling part E10-12                          | 253 382 |  | 500  | Cap screw M6x14             | 022 658 |
| 9   | Intermediate slider with brake E10-12         | 237 324 |  | 501  | Cap screw M5x8              | 023 379 |
| 10a | Selection jack E10-12                         | 200 688 |  | 504  | Setscrew M3,5x3             | 020 512 |
| 10b | Selector spring E10-12                        | 200 691 |  | 40*  | Disk brush                  | 235 612 |
| 11  | Additional needle bed complete E6.2           | 238 013 |  | 42*  | Disk brush                  | 202 600 |
| 12  | Knock-over bit E6.2                           | 237 978 |  | 43*  | Adjusting bolt              | 240 765 |
| 13  | Holding-down jack E6.2                        | 238 957 |  | 540* | Cap screw M5x12             | 020 032 |



4.1.1 Continuation needle bed E6.2

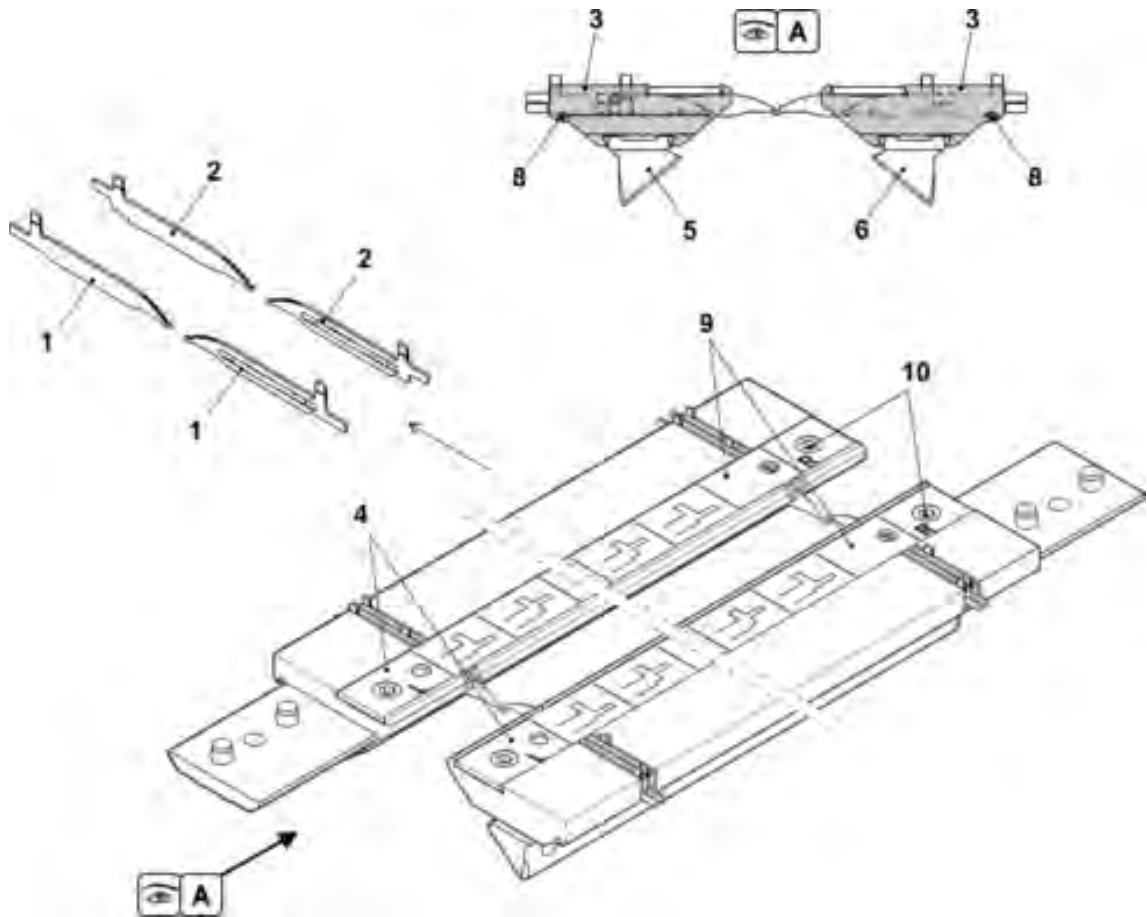
| Pos | Designation                             | ID      |  | Pos | Designation          | ID      |
|-----|-----------------------------------------|---------|--|-----|----------------------|---------|
| 2   | Locating wire $\varnothing 3,4$ mm      | 218 674 |  | 30  | Shoulder screw       | 219 958 |
| 6   | Spring steel wire $\varnothing 0,6$ mm  | 218 675 |  | 33  | Eccentric            | 231 069 |
| 14  | Limiter on the right E10-14             | 225 083 |  | 502 | Cap screw M5x10      | 022 918 |
| 15  | Limiter on the left E10-14              | 225 084 |  | 506 | Shim ring 6x12x1     | 023 444 |
| 25  | Spring steel wire $\varnothing 1,95$ mm | 218 731 |  | 507 | Spring washer B6-FST | 023 493 |
| 29  | Safety plate                            | 219 955 |  |     |                      |         |



4.1 Needle bed E6.2

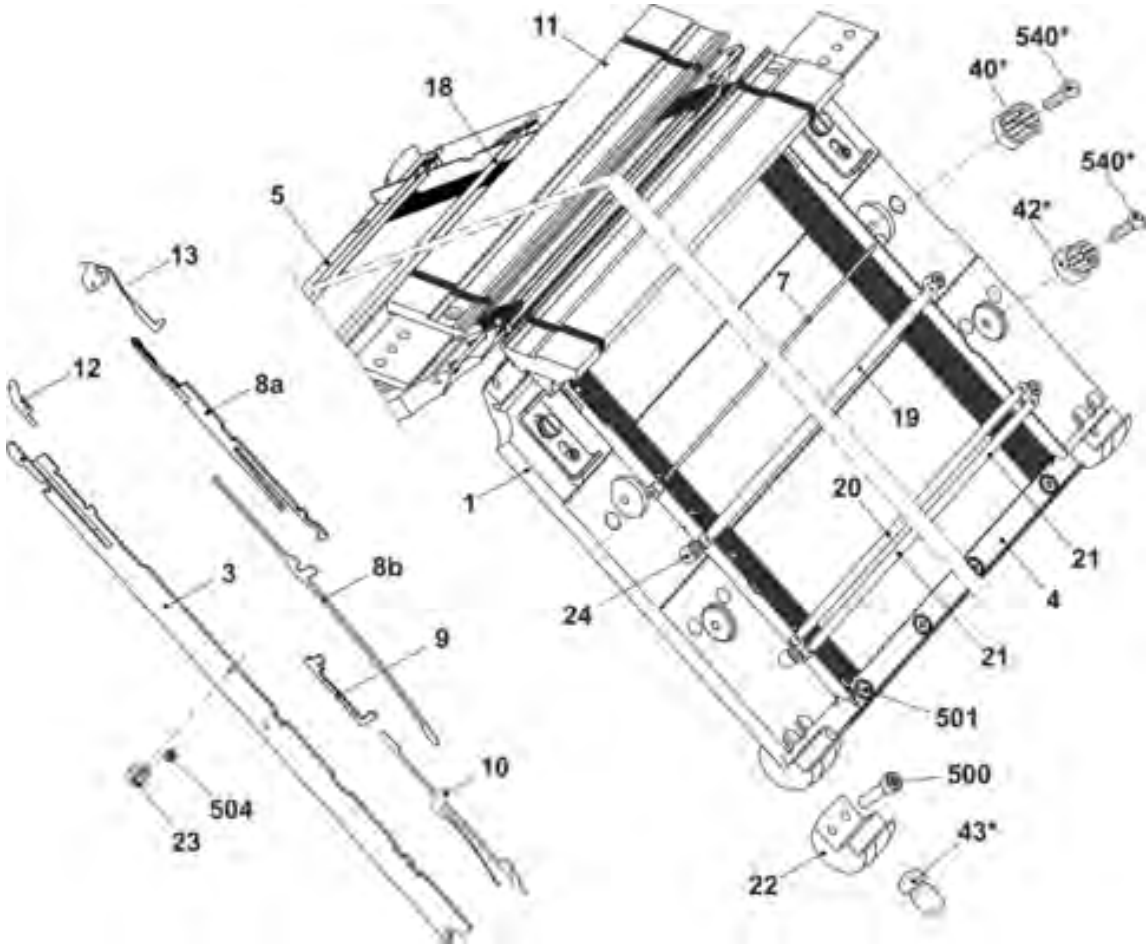
4.1.2 Additional needle bed E6.2

| Pos | Designation                                             | ID      |  | Pos | Designation               | ID      |
|-----|---------------------------------------------------------|---------|--|-----|---------------------------|---------|
| Σ   | Additional needle bed complete E6.2                     | 238 013 |  | 5   | Needle bar on the left    | 235 892 |
| 1   | Transfer cam selection bottom E6.2                      | 235 939 |  | 6   | Needle bar on the right   | 235 896 |
| 2   | Transfer cam selection at the top E6.2                  | 235 938 |  | 8   | Spring steel wire ø2.0 mm | 218 676 |
| 3   | Additional needle bed at the front and rear E12m.10+6.2 | 235 005 |  | 9   | Cover rail at the right   | 235 558 |
| 4   | Cover rail at the left                                  | 234 946 |  | 10  | Screw M5x6                | 235 871 |



4.2 Needle bed E7.2

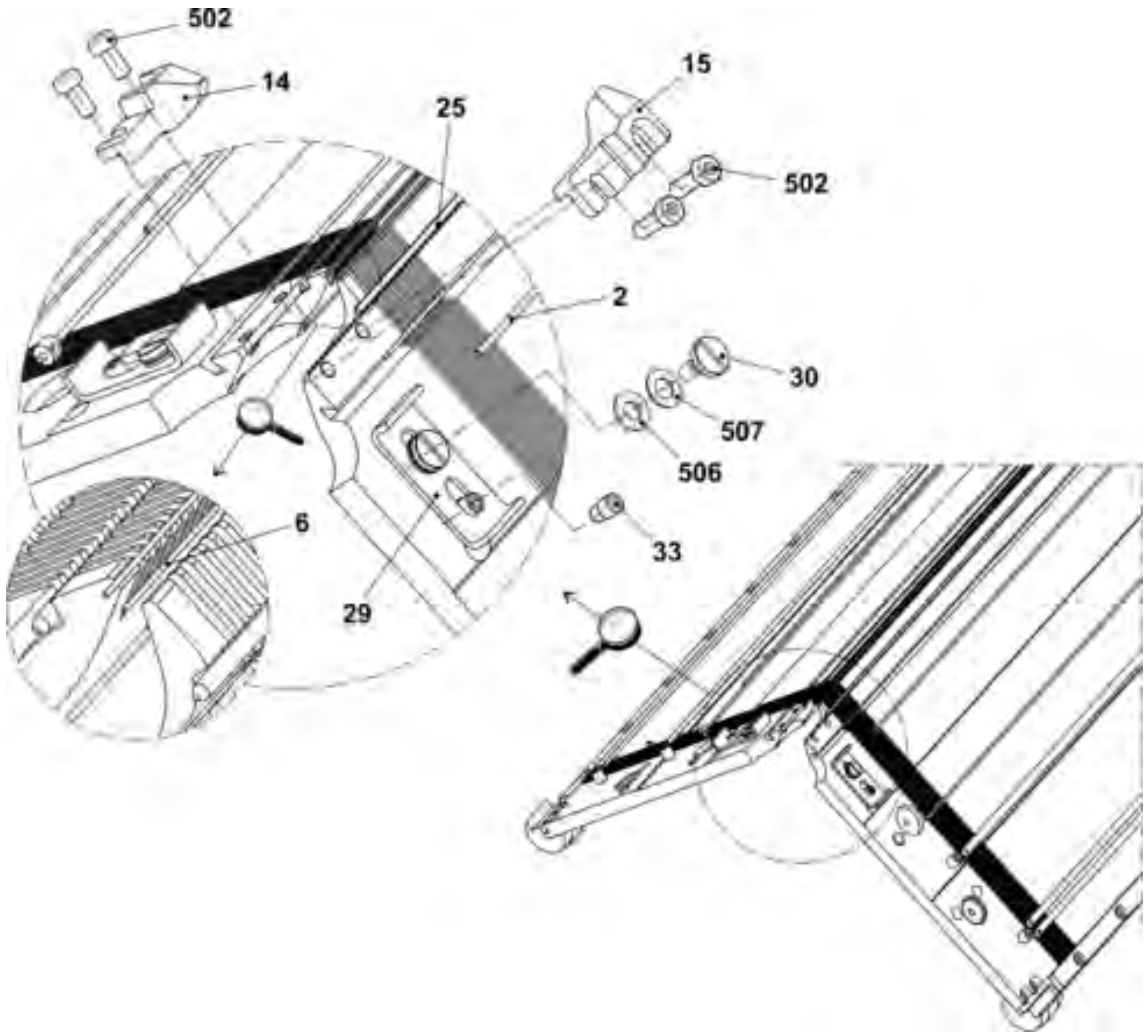
| Pos | Designation                                   | ID      | Pos  | Designation                 | ID      |
|-----|-----------------------------------------------|---------|------|-----------------------------|---------|
| Σ   | Needle bed complete at the front and rearE7,2 | 236 014 |      |                             |         |
| 1   | Needle bed at the front + rearE7,2            | 238 010 | 19   | Cover rail at the front E14 | 219 686 |
| 3   | Main trick wall E14                           | 219 353 | 20   | Cover rail                  | 218 728 |
| 4   | Pressure slide                                | 218 673 | 21   | Cover rail                  | 218 729 |
| 5   | Pressure slide at the rear                    | 234 943 | 22   | Support                     | 206 352 |
| 7   | Spring steel wire ø2,0 mm                     | 218 676 | 23   | Bush                        | 206 090 |
| 8A  | Needle E7.2                                   | 225 230 | 24   | Stop screw                  | 214 039 |
| 8b  | Coupling part E14                             | 253 383 | 500  | Cap screw M6x14             | 022 658 |
| 9   | Intermediate slider with brake E14            | 237 373 | 501  | Cap screw M5x8              | 023 379 |
| 10  | Selection jack with spring E14                | 224 725 | 504  | Setscrew M3,5x3             | 020 512 |
| 11  | Additional needle bed complete E7.2           | 238 014 | 40*  | Disk brush                  | 235 612 |
| 12  | Knock-over bit E7.2                           | 237 997 | 42*  | Disk brush                  | 202 600 |
| 13  | Holding-down jack E7.2                        | 237 996 | 43*  | Adjusting bolt              | 240 765 |
| 18  | Cover rail at the rear                        | 218 725 | 540* | Cap screw M5x12             | 020 032 |



4.2 Needle bed E7.2

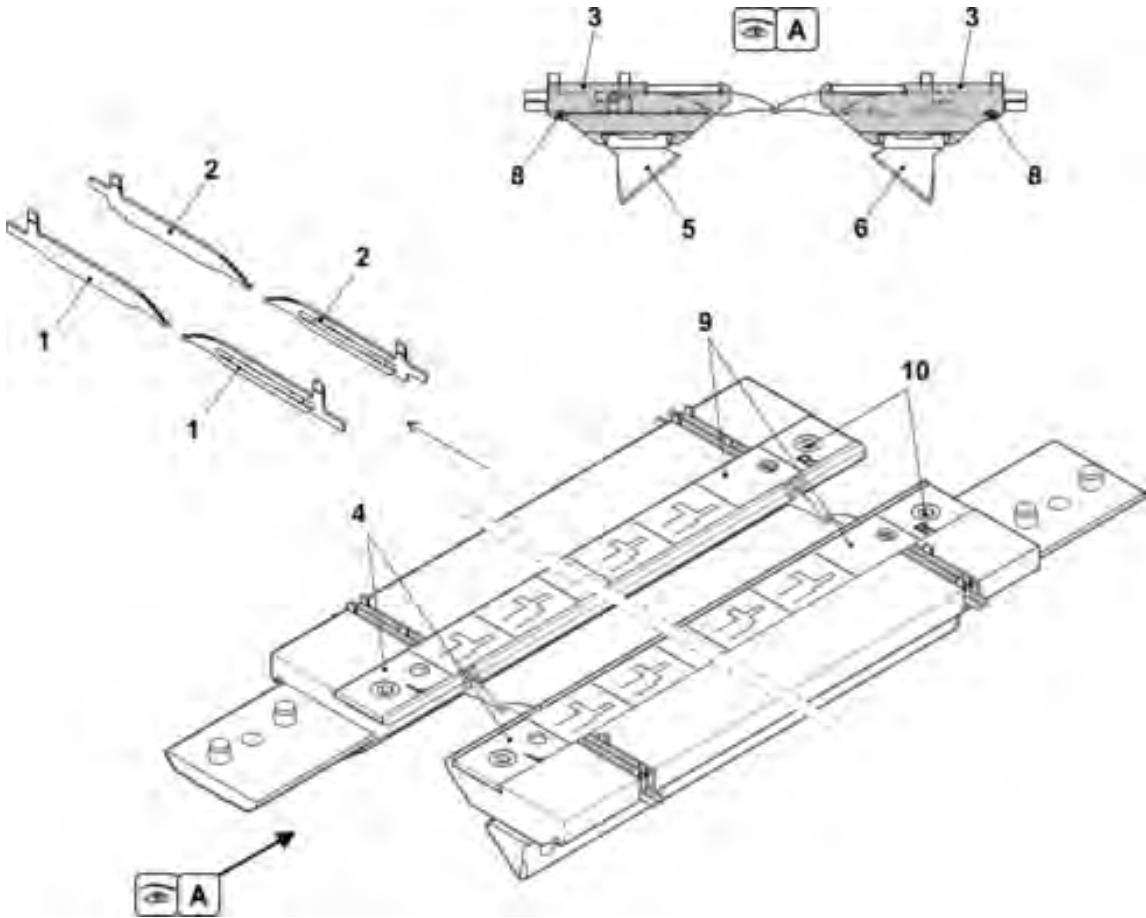
4.2.1 Continuation needle bed E7.2

| Pos | Designation                 | ID      |  | Pos | Designation          | ID      |
|-----|-----------------------------|---------|--|-----|----------------------|---------|
| 2   | Locating wire ø3,4 mm       | 218 674 |  | 30  | Shoulder screw       | 219 958 |
| 6   | Spring steel wire ø0,6 mm   | 218 675 |  | 33  | Eccentric            | 231 069 |
| 14  | Limiter on the right E10-14 | 225 083 |  | 502 | Cap screw M5x10      | 022 918 |
| 15  | Limiter on the left E10-14  | 225 084 |  | 506 | Shim ring 6x12x1     | 023 444 |
| 25  | Spring steel wire ø1,95 mm  | 218 731 |  | 507 | Spring washer B6-FST | 023 493 |
| 29  | Safety plate                | 219 955 |  |     |                      |         |



4.2.2 Additional needle bed E7.2

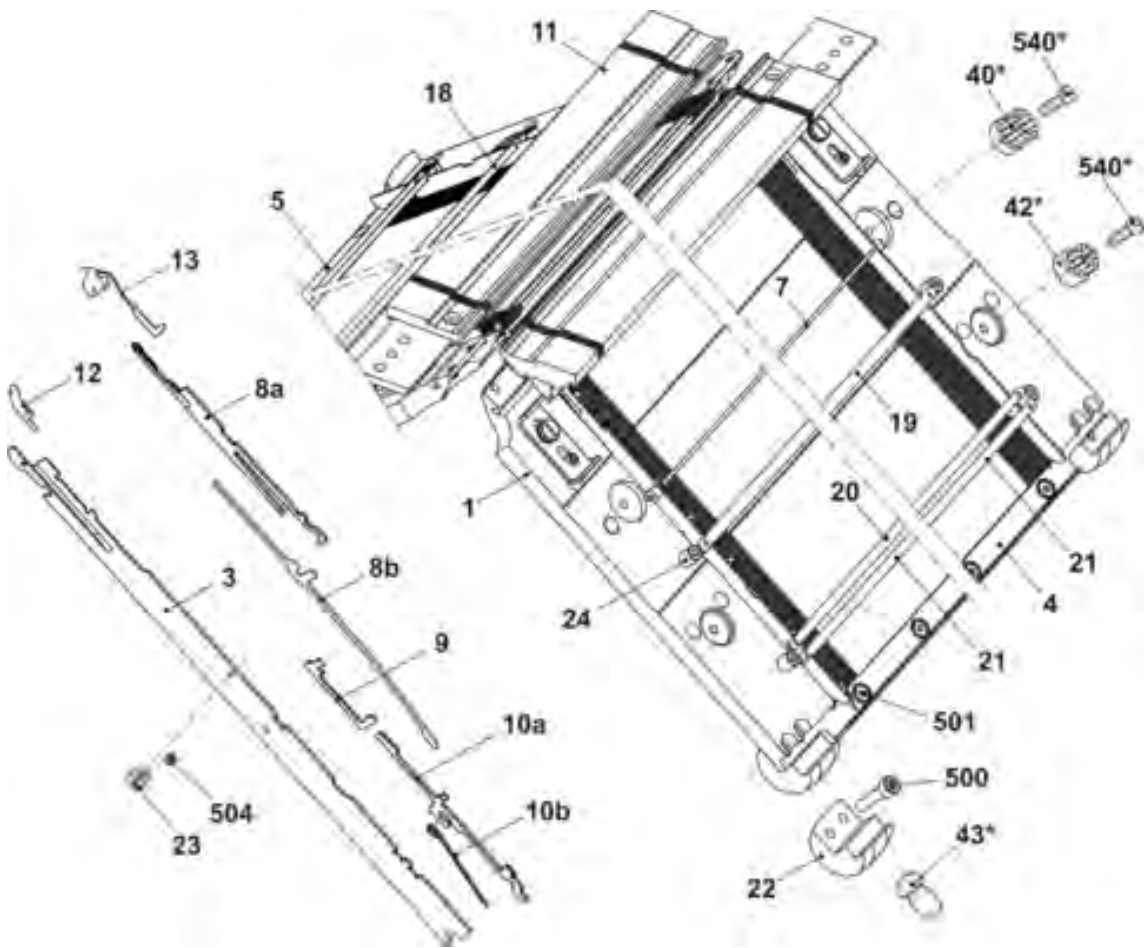
| Pos | Designation                                         | ID      |  | Pos | Designation               | ID      |
|-----|-----------------------------------------------------|---------|--|-----|---------------------------|---------|
| Σ   | Additional needle bed complete E7.2                 | 238 014 |  | 5   | Needle bar on the left    | 235 892 |
| 1   | Transfer cam selection bottom E7.2                  | 235 934 |  | 6   | Needle bar on the right   | 235 896 |
| 2   | Transfer cam selection at the top E7.2              | 235 933 |  | 8   | Spring steel wire ø2.0 mm | 218 676 |
| 3   | Additional needle bed at the front and rear E14+7.2 | 234 832 |  | 9   | Cover rail at the right   | 235 558 |
| 4   | Cover rail at the left                              | 234 946 |  | 10  | Screw M5x6                | 235 871 |



4.3 Needle bed E6.2(12)

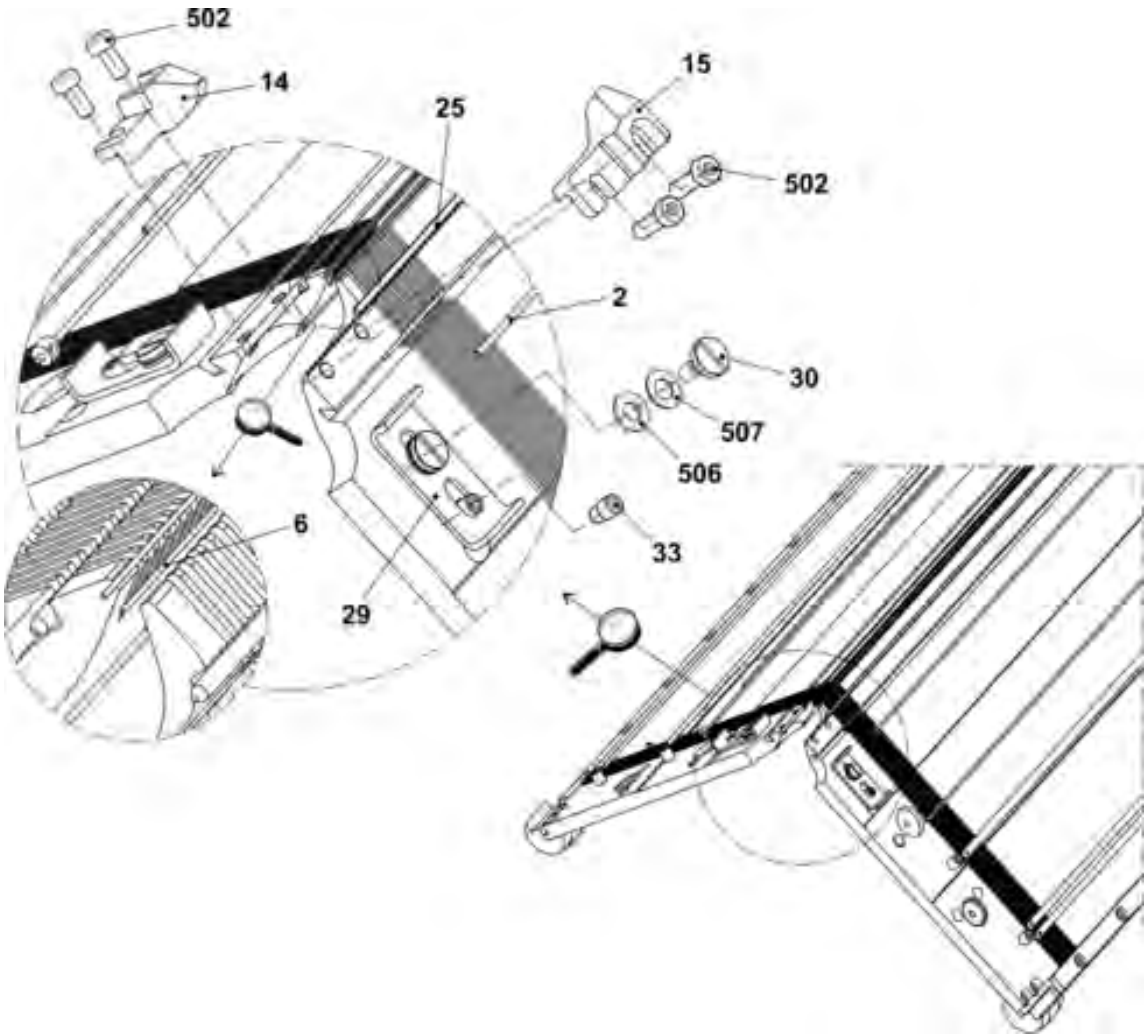
4.3 Needle bed E6.2(12)

| Pos | Designation                                  | ID      |  | Pos  | Designation                 | ID      |
|-----|----------------------------------------------|---------|--|------|-----------------------------|---------|
| Σ   | Needle bed complete at the front and rearE12 | 239 853 |  | 18   | Cover rail at the rear      | 218 725 |
| 1   | Needle bed at the front + rearE12            | 234 814 |  | 19   | Cover rail at the front E12 | 218 727 |
| 3   | Main trick wall E12                          | 231 771 |  | 20   | Cover rail                  | 218 728 |
| 4   | Pressure slide                               | 218 673 |  | 21   | Cover rail                  | 218 729 |
| 5   | Pressure slide at the rear                   | 234 943 |  | 22   | Support                     | 206 352 |
| 7   | Spring steel wire ø2,0 mm                    | 218 676 |  | 23   | Bush                        | 206 090 |
| 8A  | Needle E12                                   | 204 009 |  | 24   | Stop screw                  | 214 039 |
| 8b  | Coupling part E10-12                         | 253 382 |  | 500  | Cap screw M6x14             | 022 658 |
| 9   | Intermediate slider with brake E10-12        | 237 324 |  | 501  | Cap screw M5x8              | 023 379 |
| 10a | Selection jack E10-12                        | 200 688 |  | 504  | Setscrew M3,5x3             | 020 512 |
| 10b | Selector spring E10-12                       | 200 691 |  | 40*  | Disk brush                  | 235 612 |
| 11  | Additional needle bed complete E12           | 234 834 |  | 42*  | Disk brush                  | 202 600 |
| 12  | Knock-over bit E12                           | 219 281 |  | 43*  | Adjusting bolt              | 240 765 |
| 13  | Holding-down jack trick wallE12              | 227 106 |  | 540* | Cap screw M5x12             | 020 032 |



4.3.1 Continuation needle bed E6.2(12)

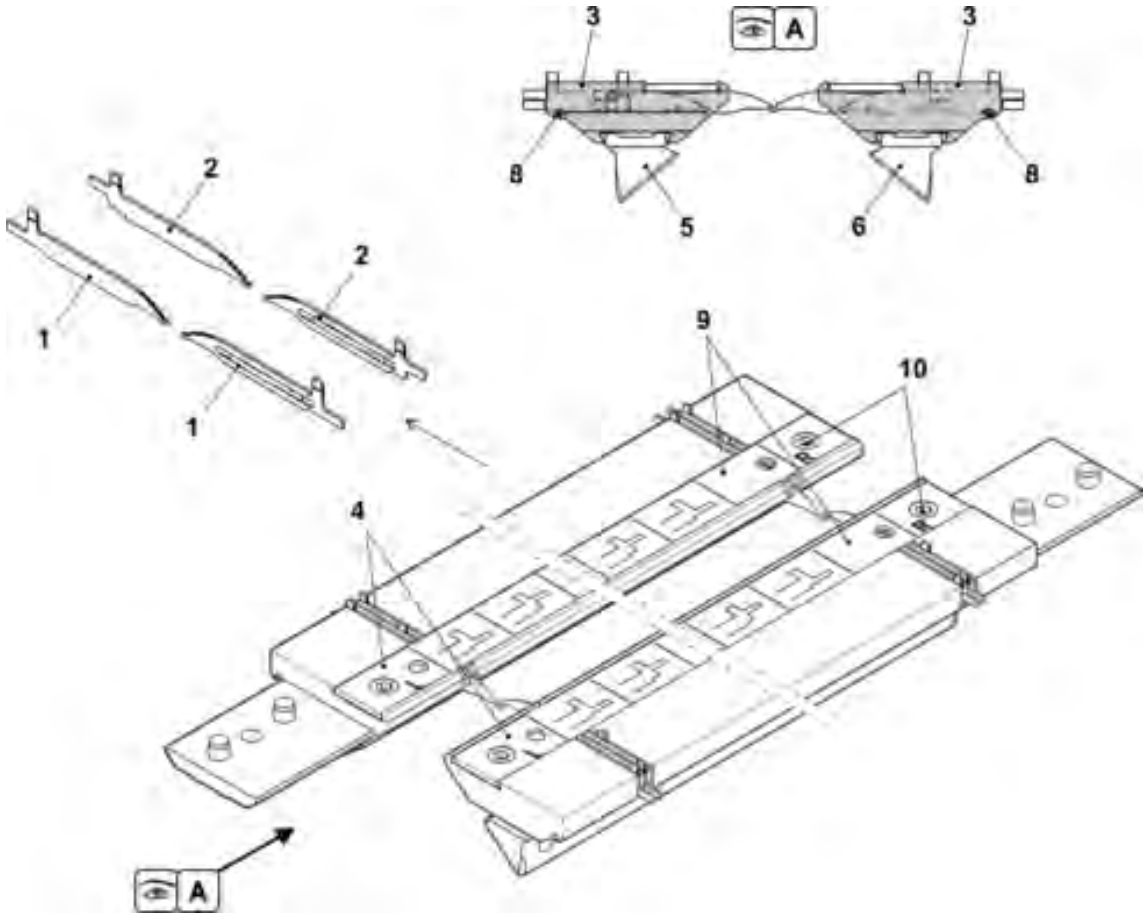
| Pos | Designation                             | ID      |  | Pos | Designation          | ID      |
|-----|-----------------------------------------|---------|--|-----|----------------------|---------|
| 2   | Locating wire $\varnothing 3,4$ mm      | 218 674 |  | 30  | Shoulder screw       | 219 958 |
| 6   | Spring steel wire $\varnothing 0,6$ mm  | 218 675 |  | 33  | Eccentric            | 231 069 |
| 14  | Limiter on the right E10-14             | 225 083 |  | 502 | Cap screw M5x10      | 022 918 |
| 15  | Limiter on the left E10-14              | 225 084 |  | 506 | Shim ring 6x12x1     | 023 444 |
| 25  | Spring steel wire $\varnothing 1,95$ mm | 218 731 |  | 507 | Spring washer B6-FST | 023 493 |
| 29  | Safety plate                            | 219 955 |  |     |                      |         |



4.3 Needle bed E6.2(12)

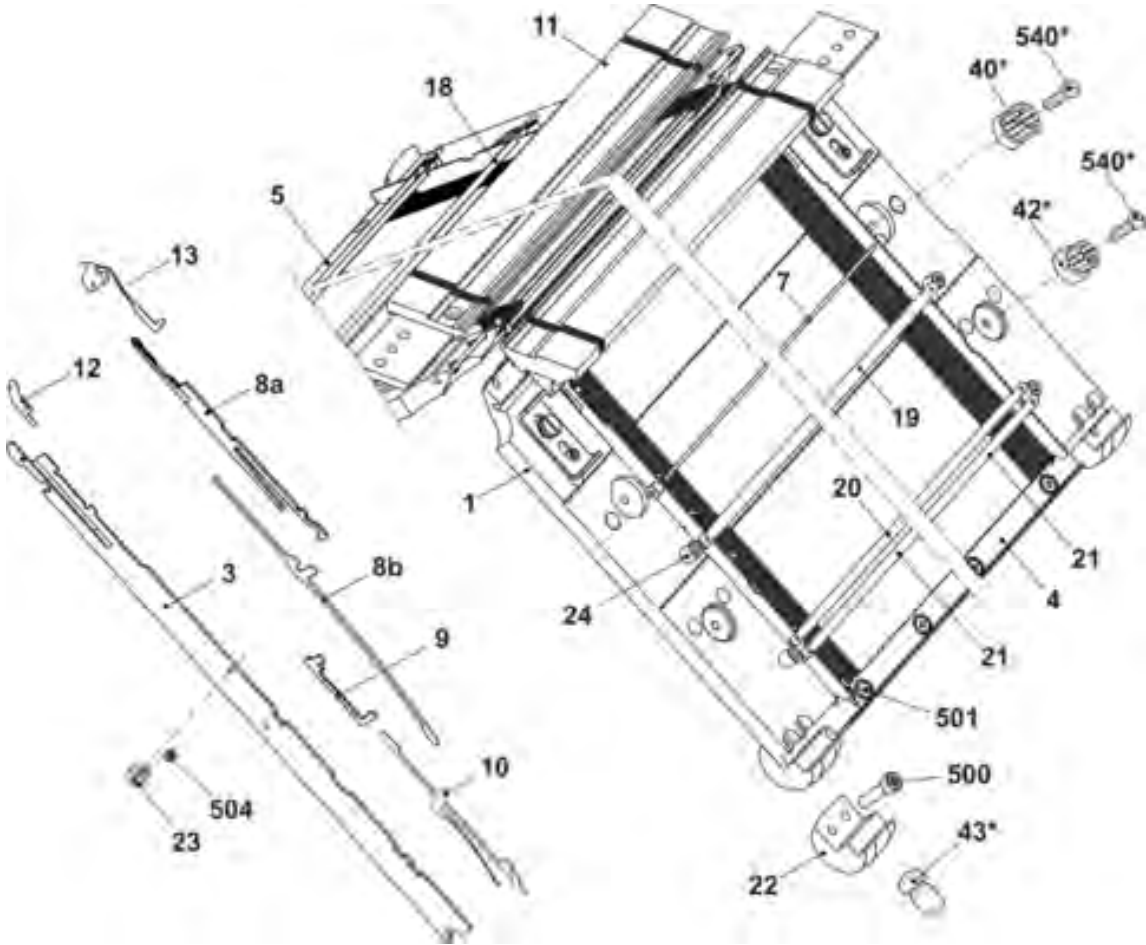
4.3.2 Additional bed E6.2(12)

| Pos | Designation                              | ID      |  | Pos | Designation              | ID      |
|-----|------------------------------------------|---------|--|-----|--------------------------|---------|
| Σ   | Additional bed complete E12              | 234 834 |  | 5   | Needle rail on the left  | 235 892 |
| 1   | Transfer cam selection bottom E12-14     | 230 234 |  | 6   | Needle rail on the right | 235 896 |
| 2   | Transfer cam selection top E12-14        | 230 233 |  | 8   | Spring steel wire Ø2.0   | 218 676 |
| 3   | Additional bed at the front and rear E12 | 234 831 |  | 9   | Cover rail at the right  | 235 558 |
| 4   | Cover rail at the left                   | 234 946 |  | 10  | Srew M5x6                | 235 871 |



4.4 Needle bed E7.2(14)

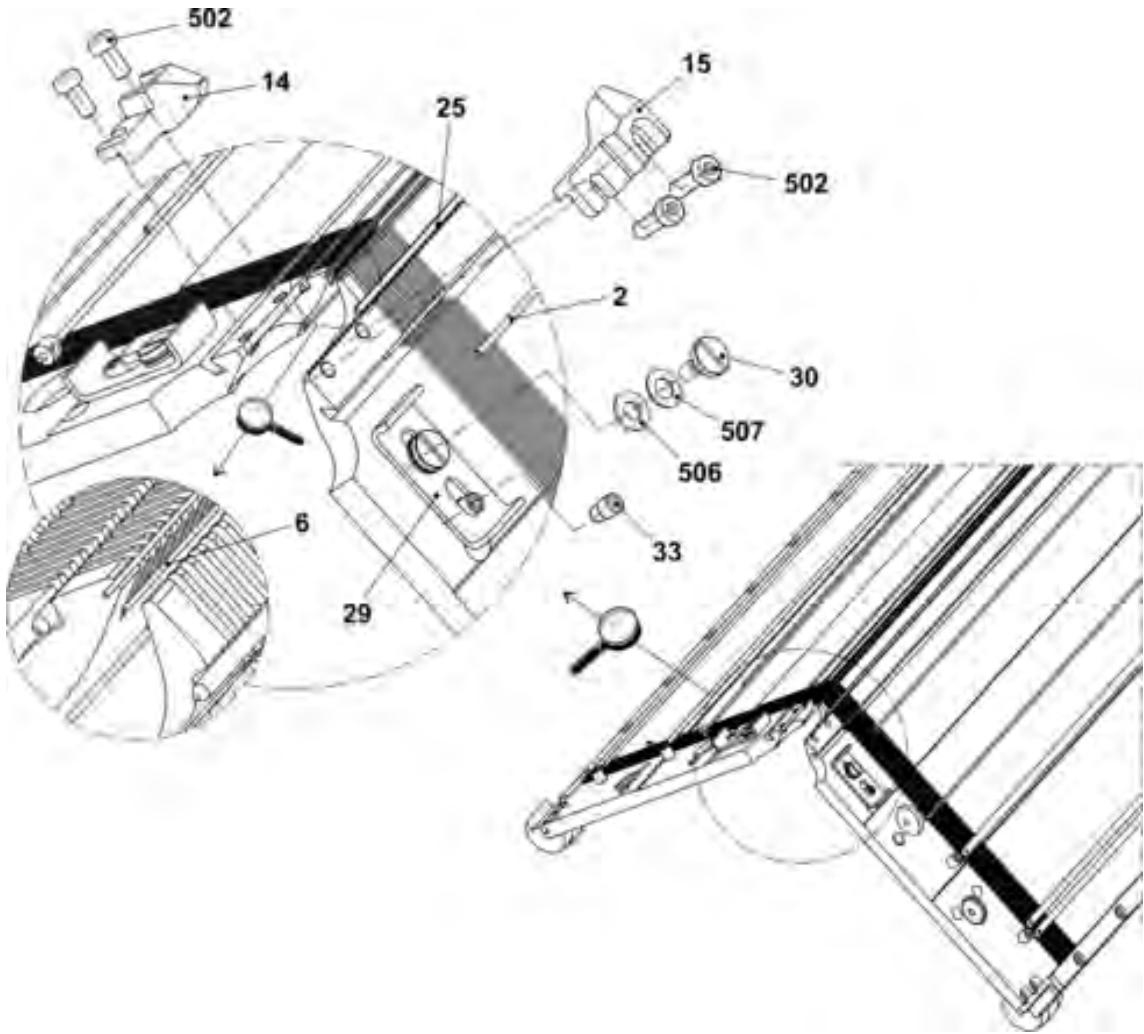
| Pos | Designation                                  | ID      |  | Pos  | Designation                 | ID      |
|-----|----------------------------------------------|---------|--|------|-----------------------------|---------|
| Σ   | Needle bed complete at the front and rearE14 | 238 657 |  |      |                             |         |
| 1   | Needle bed at the front + rearE14            | 234 815 |  | 19   | Cover rail at the front E14 | 219 686 |
| 3   | Main trick wall E14                          | 231 772 |  | 20   | Cover rail                  | 218 728 |
| 4   | Pressure slide                               | 218 673 |  | 21   | Cover rail                  | 218 729 |
| 5   | Pressure slide at the rear                   | 234 943 |  | 22   | Support                     | 206 352 |
| 7   | Spring steel wire ø2,0 mm                    | 218 676 |  | 23   | Bush                        | 206 090 |
| 8A  | Needle E14                                   | 209 614 |  | 24   | Stop screw                  | 214 039 |
| 8b  | Coupling part E14                            | 253 383 |  | 500  | Cap screw M6x14             | 022 658 |
| 9   | Intermediate slider with brake E14           | 237 373 |  | 501  | Cap screw M5x8              | 023 379 |
| 10  | Selection jack with spring E14               | 224 725 |  | 504  | Setscrew M3,5x3             | 020 512 |
| 11  | Additional needle bed complete E14           | 234 835 |  | 40*  | Disk brush                  | 235 612 |
| 12  | Knock-over bit E14                           | 219 365 |  | 42*  | Disk brush                  | 202 600 |
| 13  | Holding-down jack trick wallE14              | 227 575 |  | 43*  | Adjusting bolt              | 240 765 |
| 18  | Cover rail at the rear                       | 218 725 |  | 540* | Cap screw M5x12             | 020 032 |



4.4 Needle bed E7.2(14)

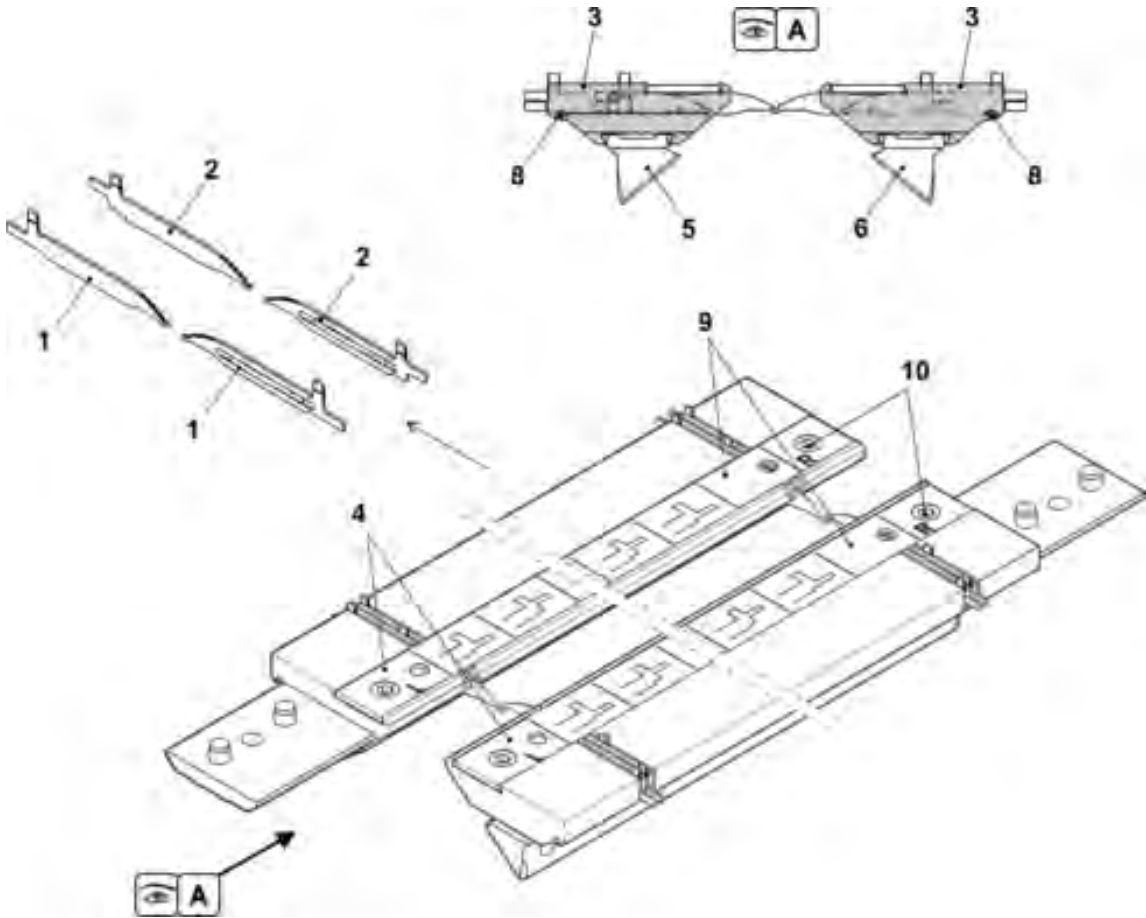
4.4.1 Continuation needle bed E7.2(14)

| Pos | Designation                 | ID      |  | Pos | Designation          | ID      |
|-----|-----------------------------|---------|--|-----|----------------------|---------|
| 2   | Locating wire ø3,4 mm       | 218 674 |  | 30  | Shoulder screw       | 219 958 |
| 6   | Spring steel wire ø0,6 mm   | 218 675 |  | 33  | Eccentric            | 231 069 |
| 14  | Limiter on the right E10-14 | 225 083 |  | 502 | Cap screw M5x10      | 022 918 |
| 15  | Limiter on the left E10-14  | 225 084 |  | 506 | Shim ring 6x12x1     | 023 444 |
| 25  | Spring steel wire ø1,95 mm  | 218 731 |  | 507 | Spring washer B6-FST | 023 493 |
| 29  | Safety plate                | 219 955 |  |     |                      |         |



4.4.2 Additional needle bed E7.2(14)

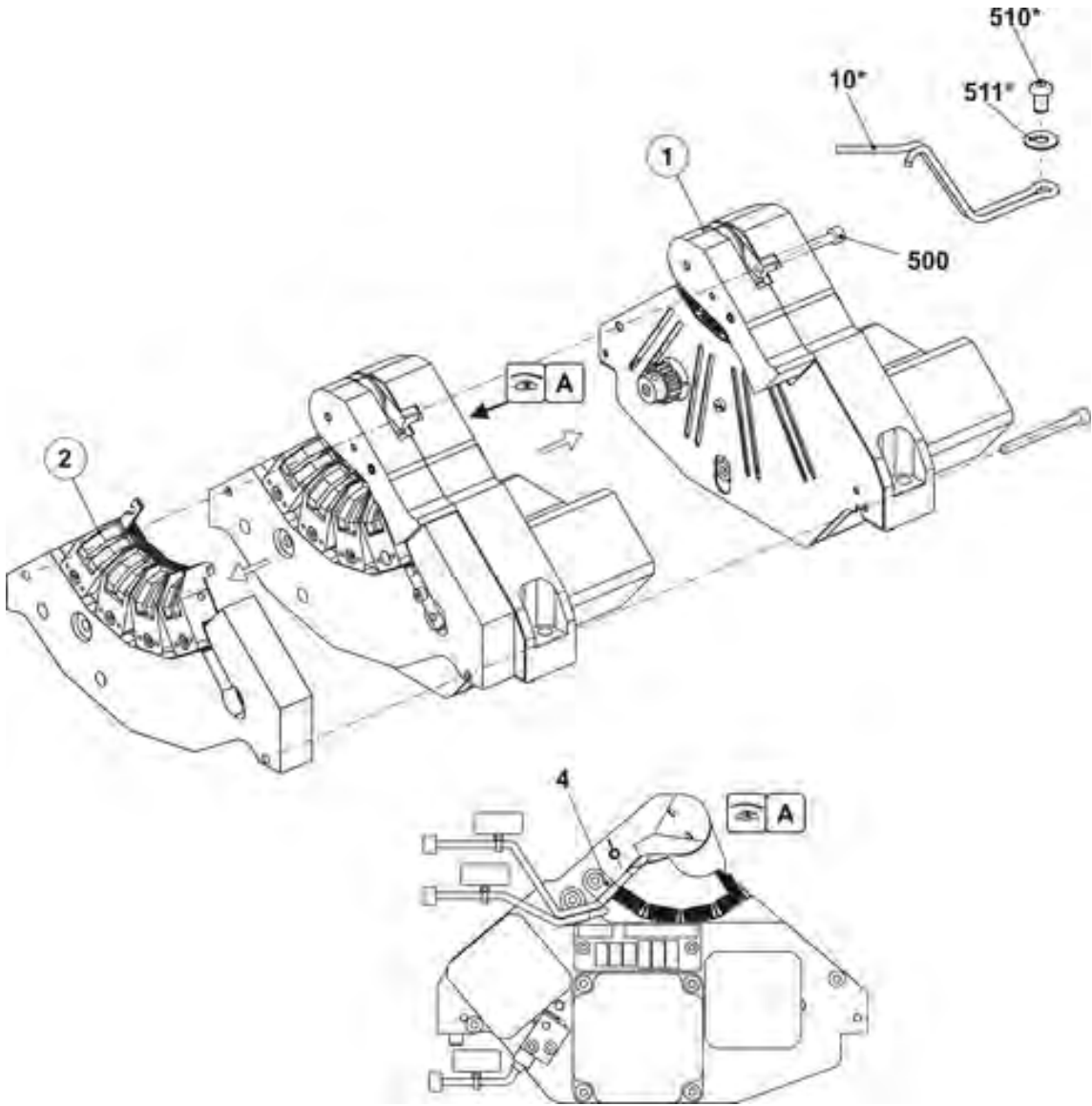
| Pos | Designation                                         | ID      |  | Pos | Designation               | ID      |
|-----|-----------------------------------------------------|---------|--|-----|---------------------------|---------|
| Σ   | Additional needle bed complete E14                  | 234 835 |  | 5   | Needle bar on the left    | 235 892 |
| 1   | Transfer cam selection bottom E12-14                | 230 234 |  | 6   | Needle bar on the right   | 235 896 |
| 2   | Transfer cam selection at the top E12-14            | 230 233 |  | 8   | Spring steel wire ø2.0 mm | 218 676 |
| 3   | Additional needle bed at the front and rear E14+7.2 | 234 832 |  | 9   | Cover rail at the right   | 235 558 |
| 4   | Cover rail at the left                              | 234 946 |  | 10  | Screw M5x6                | 235 871 |



4.5 Thread clamping and cutting device

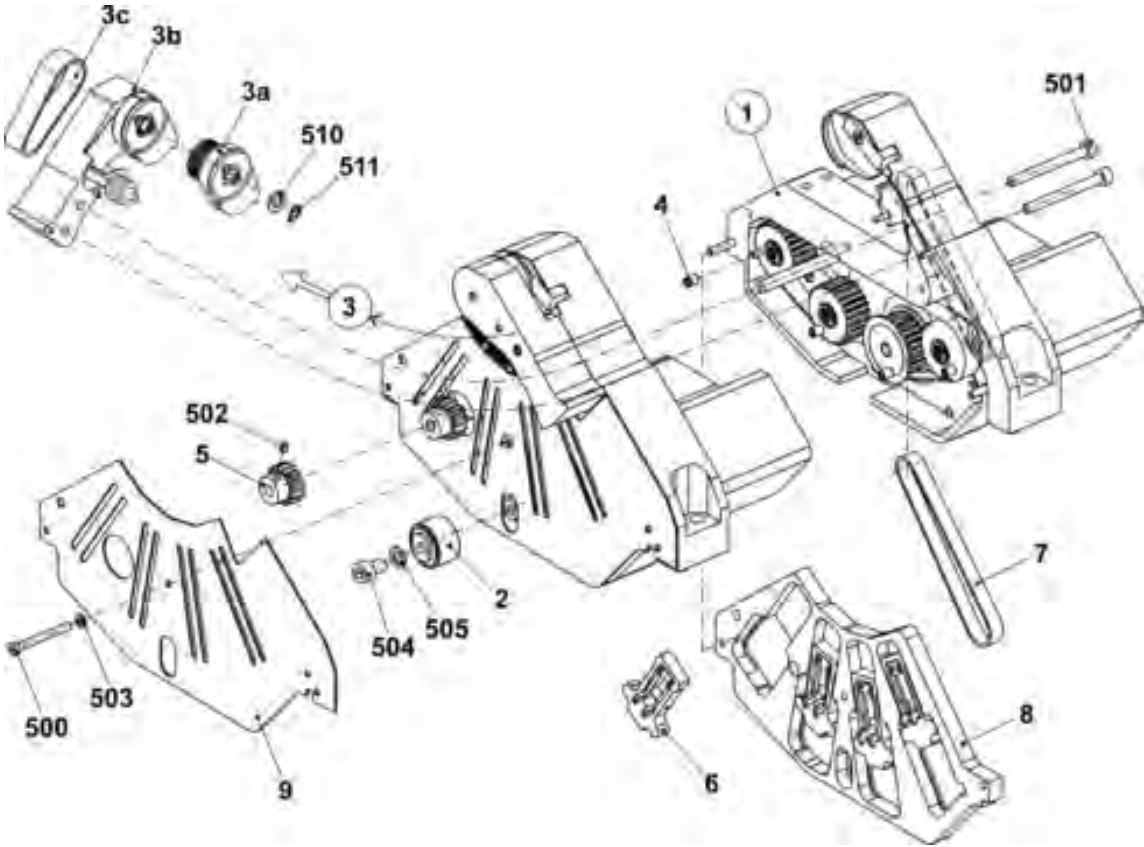
4.5 Thread clamping and cutting device

| Pos | Designation                   | ID      |  | Pos  | Designation          | ID      |
|-----|-------------------------------|---------|--|------|----------------------|---------|
| Σ   | Clamping and cutting complete | 214 257 |  | 10*  | Bow                  | 231 795 |
| 1   | Crankcase complete            | 214 188 |  | 500  | Cap screw M4x45      | 023 419 |
| 2   | Selection housing complete    | 214 256 |  | 510* | Pan-head screw M6x10 | 023 183 |
| 4   | Fastening clip 225/3,2        | 008 321 |  | 511* | Washer6,4x15x1       | 020 902 |



4.5.1 Crankcase

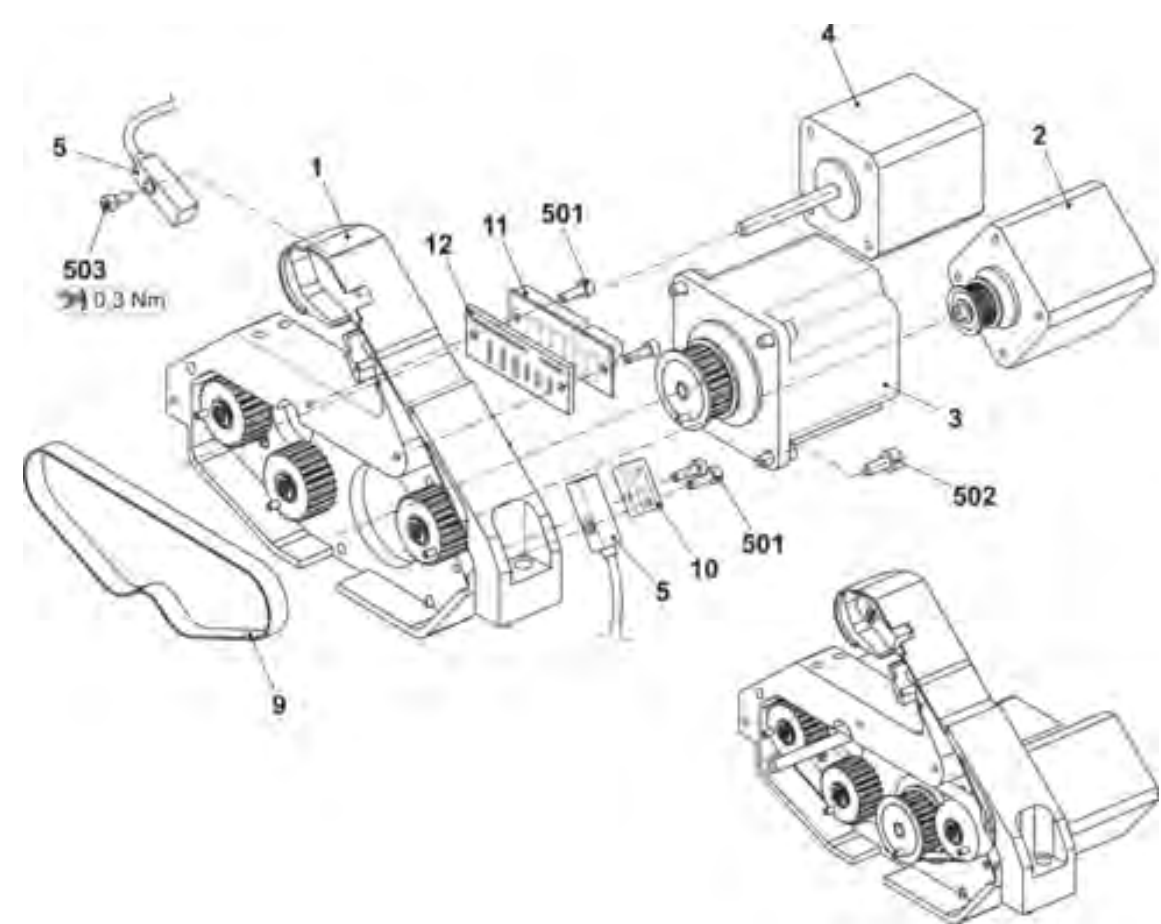
| Pos | Designation                | Id      |  | Pos | Designation                   | Id      |
|-----|----------------------------|---------|--|-----|-------------------------------|---------|
| Σ   | Crankcase complete         | 214 188 |  |     |                               |         |
| 1   |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



4.5 Thread clamping and cutting device

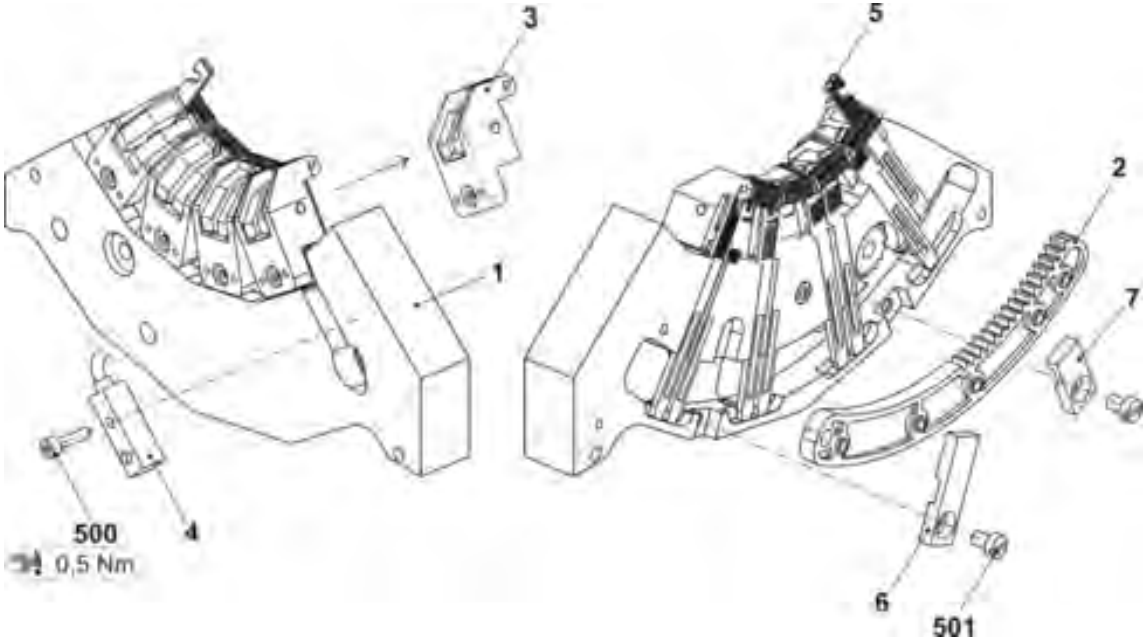
4.5.2 Crankcase with drive

| Pos | Designation                      | Id      |  | Pos | Designation      | Id      |
|-----|----------------------------------|---------|--|-----|------------------|---------|
| Σ   | Crankcase                        | 215 078 |  |     |                  |         |
| 1   | Crankcase                        | 214 182 |  | 10  | Sensor switch    | 213 721 |
| 2   | Transport segment motor complete | 213 815 |  | 11  | Connector board  | 222 822 |
| 3   | Step motor complete              | 213 819 |  | 12  | Insulating plate | 222 933 |
| 4   | Step motorPK245                  | 213 732 |  | 501 | Cap screw M3x10  | 022 991 |
| 5   | Proximity switch inductive       | 222 821 |  | 502 | Cap screw M4x10  | 023 136 |
| 9   | Toothed belt80S3M300NG           | 213 891 |  | 503 | Cap screw M3x8   | 022 582 |



4.5.3 Selection housing

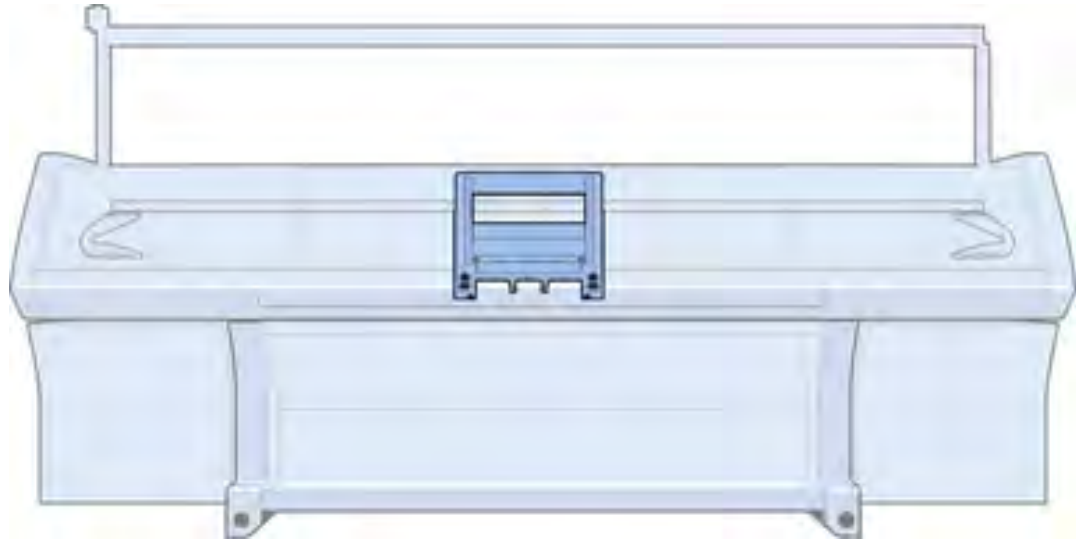
| Pos | Designation                  | Id      |  | Pos | Designation                 | Id      |
|-----|------------------------------|---------|--|-----|-----------------------------|---------|
| Σ   | Selection housing complete   | 214 256 |  | 5   | Clamping and cutting needle | 216 408 |
| 1   |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



4.5 Thread clamping and cutting device

Notes:

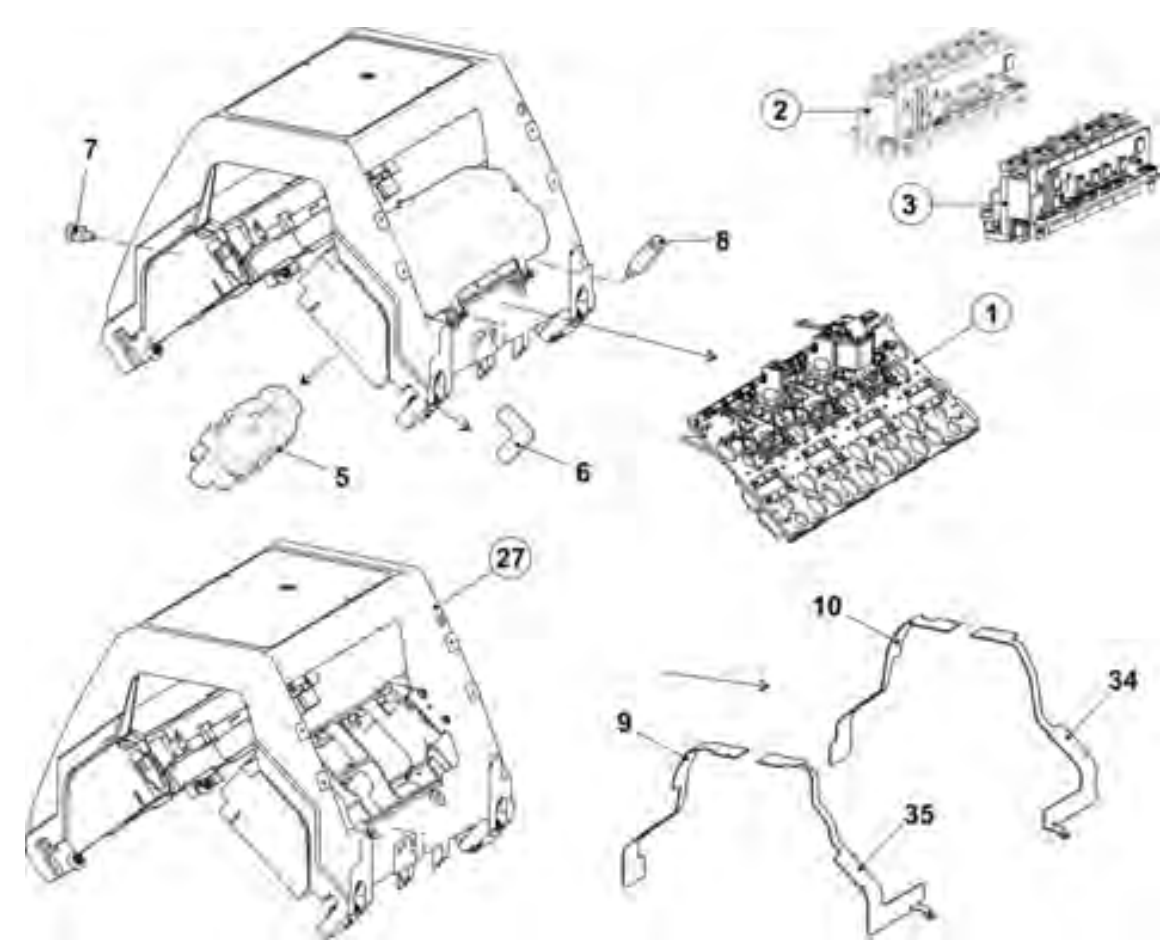
## 5 Carriage



5.1 Overview of carriage

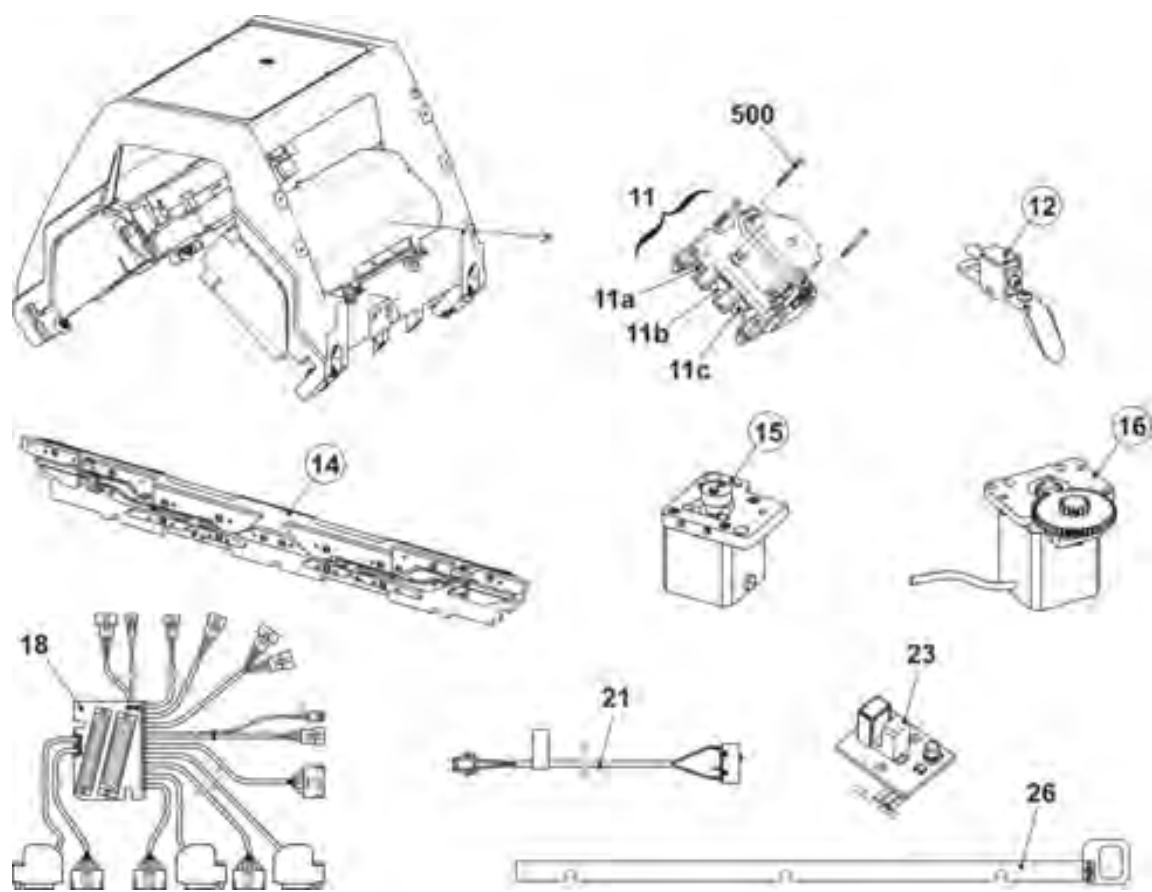
5.1 Overview of carriage

| Pos | Designation                        | ID      | Pos | Designation                             | ID      |
|-----|------------------------------------|---------|-----|-----------------------------------------|---------|
| Σ   | Carriage complete                  |         |     |                                         |         |
|     | E6.2                               | 256 414 | 3   | FF driving in the middle complete       | 245 298 |
|     | E7.2                               | 256 415 | 5   | Selection system completeE10-12 (+E6.2) | 216 219 |
|     | E12                                | 256 405 |     | Selection system completeE14 (+E7.2)    | 229 300 |
|     | E14                                | 256 406 | 6   | Wiper (felt)                            | 241 411 |
| 1   | Cam box                            |         | 7   | Bolts                                   | 212 392 |
|     | Cam box complete E6.2              | 243 419 | 8   | Bolts                                   | 243 171 |
|     | Cam box at the front complete E7.2 | 243 420 | 9   | Cover plate on the right                | 250 275 |
|     | Cam box at the front complete E12  | 244 639 | 10  | Cover plate on the left                 | 250 274 |
|     | Cam box at the rear complete E12   | 244 640 | 27  | Carriage assembly 3 cam boxes complete  | 256 502 |
|     | Cam box complete E14               | 244 022 | 34  | Guide plate at the rear on the left     | 245 323 |
| 2   | FF driving outside complete        | 245 297 | 35  | Guide plate at the rear on the right    | 245 324 |



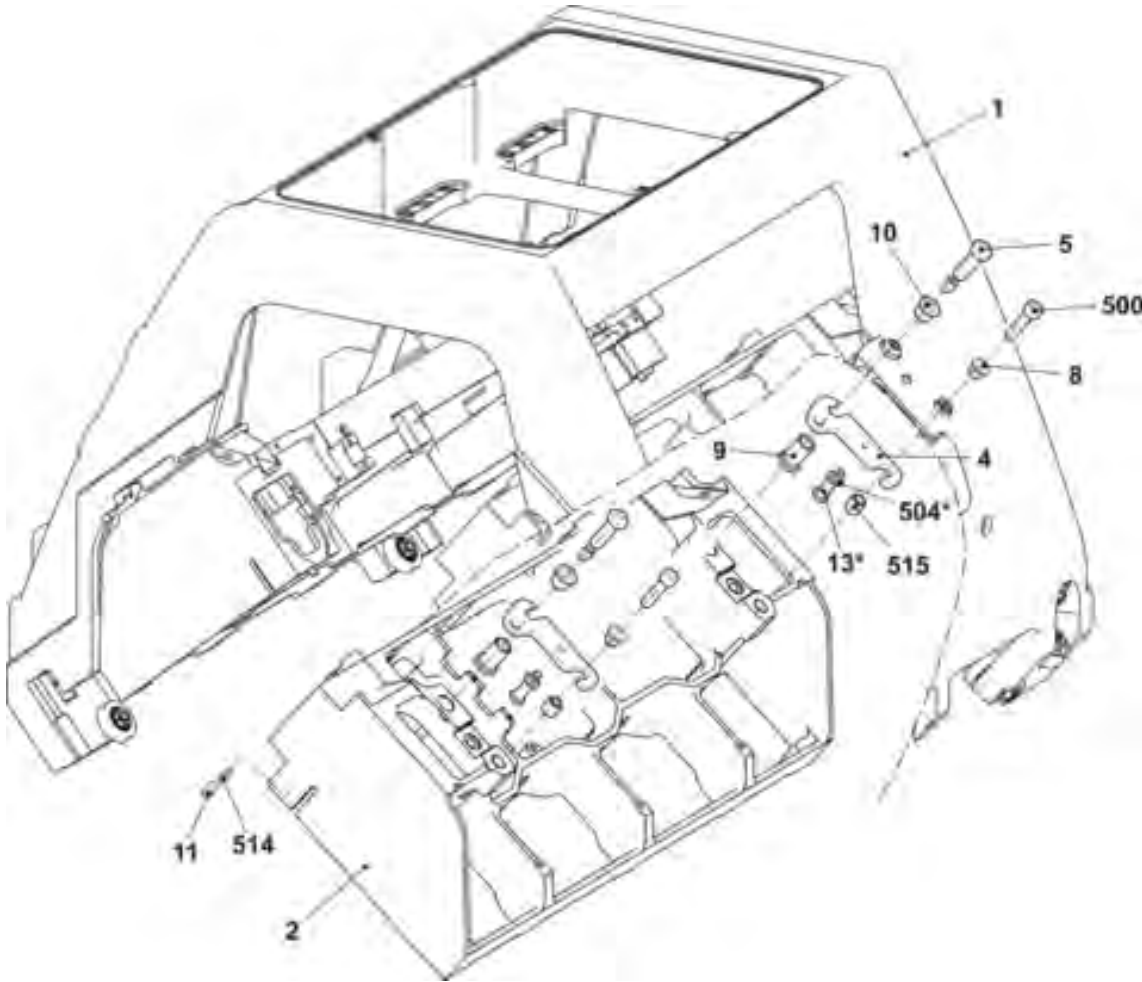
5.2 Overview of carriage, continuation

| Pos | Designation              |                         | ID      | Pos | Designation                       |         | ID      |
|-----|--------------------------|-------------------------|---------|-----|-----------------------------------|---------|---------|
| Σ   | Carriage complete        |                         |         | 14  | Additional cam complete E6.2      | 239 198 |         |
|     | E6.2                     |                         | 256 414 |     | Additional cam complete E7.2      |         | 238 144 |
|     | E7.2                     |                         | 256 415 |     | Additional cam complete E10-14    |         | 224 857 |
|     | E12                      |                         | 256 405 | 15  | Control unit brush                |         | 224 631 |
|     | E14                      |                         | 256 406 | 16  | Control unit holding-down jack    |         | 223 380 |
| 11  | Motor unit complete      |                         | 253 532 | 18  | Distributor 730T 6Z okc3          |         | 259 676 |
|     | A11                      | Gear rack at the top    | 209 781 | 21  | Cable of needle detector complete |         | 224 655 |
|     | 11b                      | Gear rack in the middle | 209 782 | 23  | Card light barrier NP             |         | 225 087 |
|     | 11c                      | Gear rack at the bottom | 209 783 | 26  | Sliding rod complete              |         | 225 753 |
| 12  | Needle detector complete |                         | 226 969 | 500 | Screw M4x30                       |         | 023 290 |



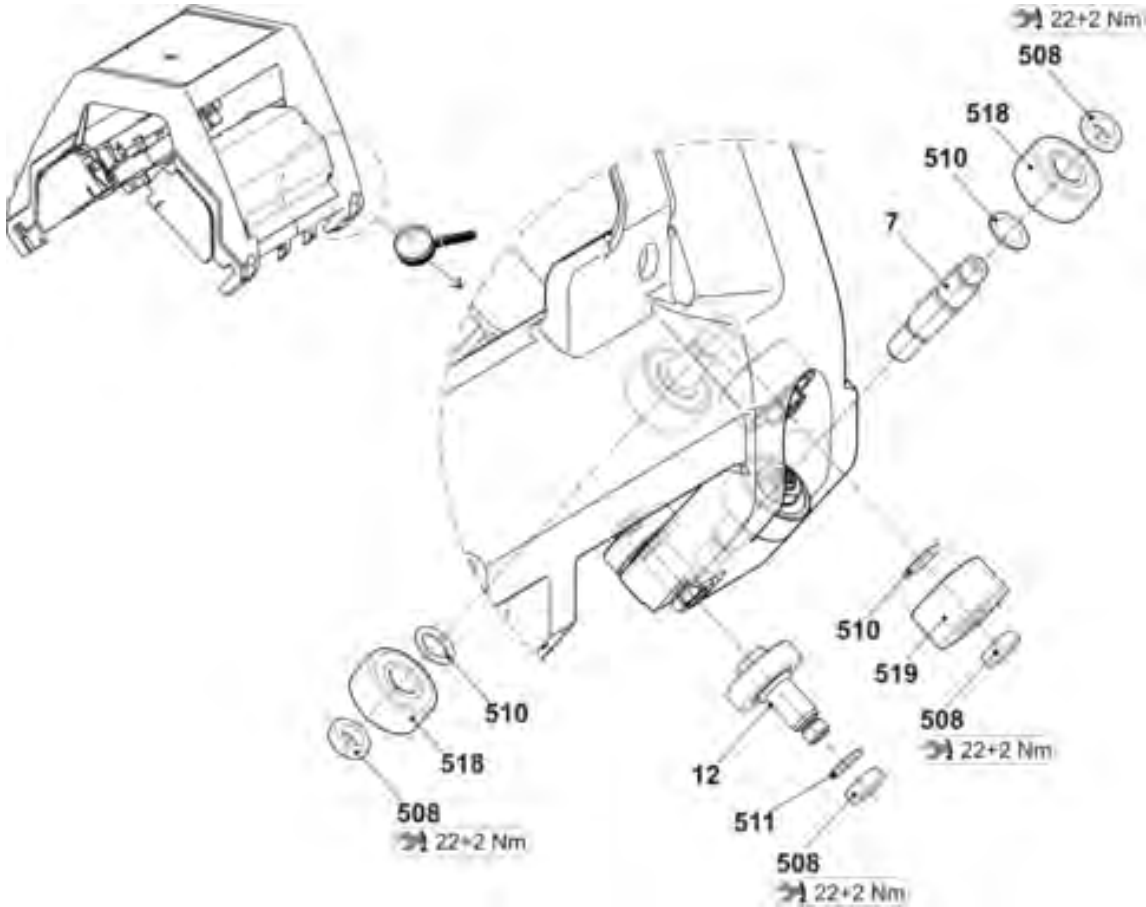
5.3 Carriage assembly

| Pos | Designation                            | ID      |  | Pos  | Designation                | ID      |
|-----|----------------------------------------|---------|--|------|----------------------------|---------|
| Σ   | Carriage assembly 3 cam boxes complete | 256 502 |  | 10   | Bush                       | 209 274 |
| 1   | Carriage frame, 3 cam boxes            | 259 020 |  | 11   | Eccentric                  | 222 983 |
| 2   | Carriage part, 3 cam boxes             | 242 334 |  | 13*  | Locating bolt linking spot | 244 179 |
| 4   | Shim                                   | 225 312 |  | 500  | Cap screw M8x30            | 020 143 |
| 5   | Shoulder screw                         | 211 750 |  | 504* | Circlip6                   | 021 022 |
| 8   | Bush                                   | 207 546 |  | 514  | Dowel pin 5x14             | 020 670 |
| 9   | Bush                                   | 209 275 |  | 515  | Threaded bush              | 041 863 |



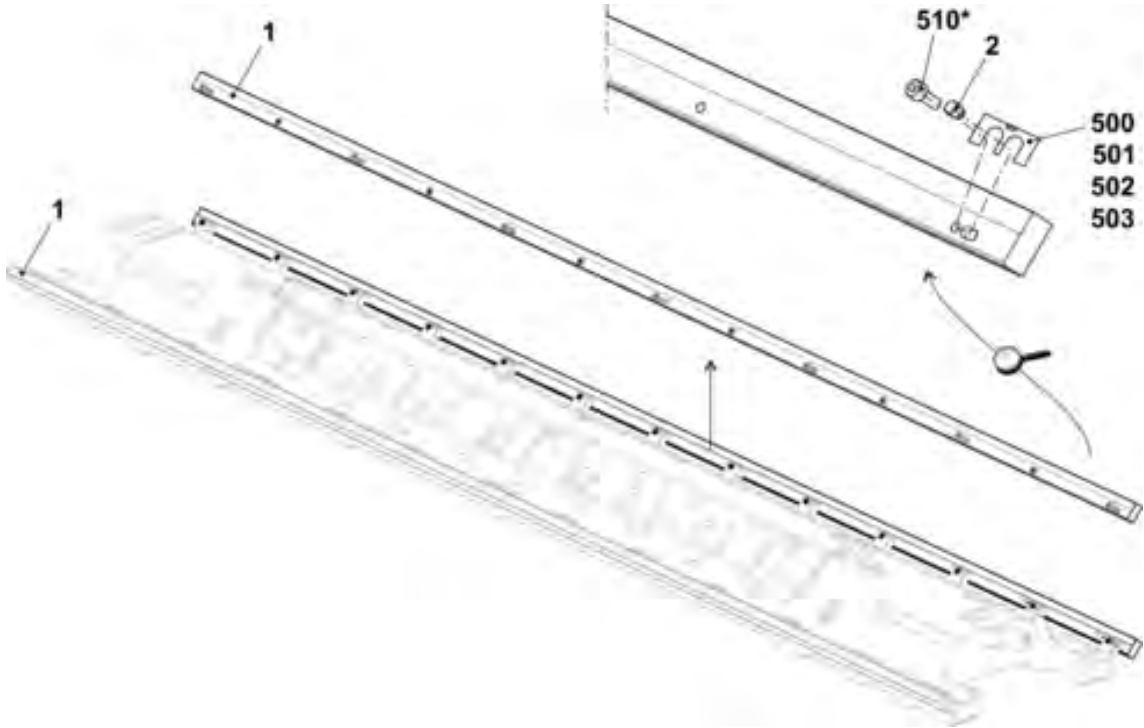
5.4 Carriage guide

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



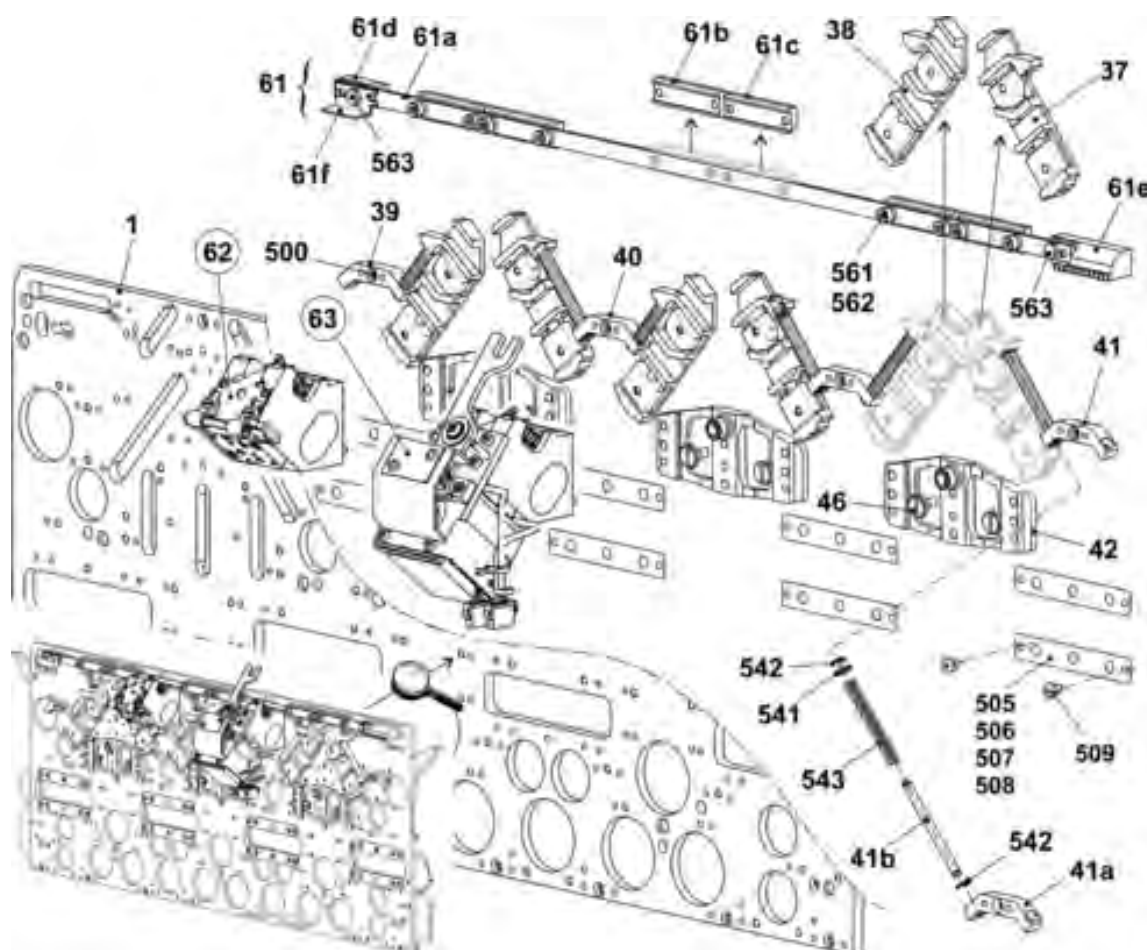
5.5 Spare parts package carriage guide rail

| Pos | Designation                                 | Id      |  | Pos  | Designation     | Id      |
|-----|---------------------------------------------|---------|--|------|-----------------|---------|
| Σ   | Spare parts package carriage guide rail 72" | 252 992 |  | 501  | Shim0,05x22x42  | 243 291 |
| 1   | Carriage guide rail                         | 241 308 |  | 502  | Shim0,10x22x42  | 243 292 |
| 2   | Adjusting eccentric                         | 241 219 |  | 503  | Shim0,20x22x42  | 243 293 |
| 500 | Shim0,03x22x42                              | 243 289 |  | 510* | Cap screw M8x20 | 020 141 |



## 5.6 Cam parts E6.2 (Top side)

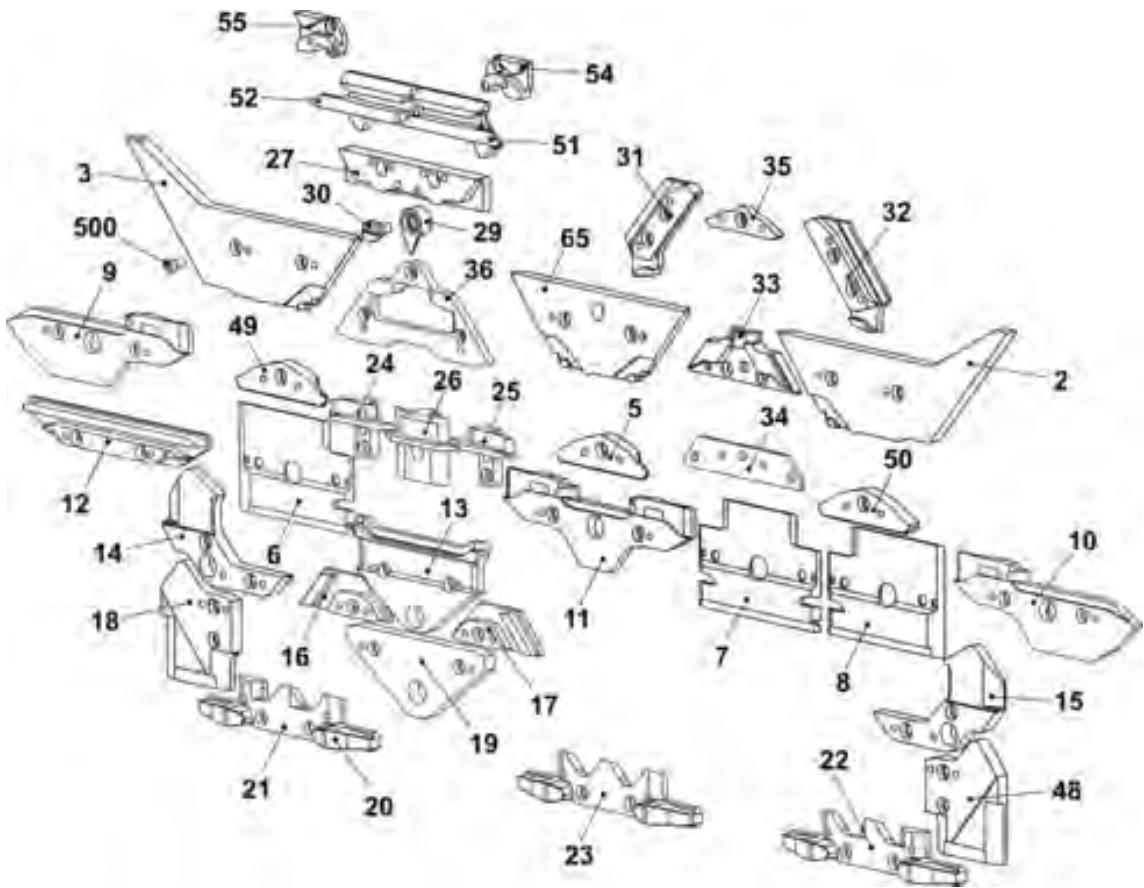
| Pos | Designation                                  | ID      | Pos | Designation                           | ID      |
|-----|----------------------------------------------|---------|-----|---------------------------------------|---------|
| Σ   | Cam box complete E6.2                        | 243 419 | 61  | Control slide complete                | 219 998 |
| 1   | Cam plate                                    | 242 337 | 61a | Control slide                         | 219 914 |
| 37  | Loop sinking cam on the right completeE12-14 | 219 994 | 61b | Control part on the left              | 228 825 |
| 38  | Loop sinking cam on the left completeE12-14  | 219 993 | 61c | Control part on the right             | 228 826 |
| 39  | Rod guide element on the left                | 211 165 | 61d | Guide part on the left E5-14          | 219 650 |
| 40  | Rod guide element in the middle              | 211 166 | 61e | Guiding part on the right             | 222 857 |
| 41  | Rod guide element on the right               | 211 168 | 61f | Switch strip                          | 225 115 |
| 41a | Rod guide part                               | 209 792 | 561 | Cap screw M4x8                        | 022 501 |
| 41b | Spring rod                                   | 209 791 | 562 | Washer4,3x7x2,0                       | 023 597 |
| 541 | Disk4,3x7x0,5                                | 022 153 | 563 | Hexagon screw M4x8                    | 022 461 |
| 542 | Circlip 3,2                                  | 021 019 | 62  | Supporting block on the left complete | 219 995 |
| 543 | Compression spring                           | 250 515 | 63  | Control unit complete                 | 227 285 |
| 42  | Switching piece                              | 240 281 | 505 | Shim0,03x12x75                        | 022 828 |
| 46  | Shoulder screw                               | 239 626 | 506 | Shim0,05x12x75                        | 022 829 |
| 509 | Pan-head screw M3x4                          | 023 142 | 507 | Shim0,1x12x75                         | 022 830 |
|     |                                              |         | 508 | Shim0,2x12x75                         | 022 831 |



5.6 Cam parts E6.2 (Top side)

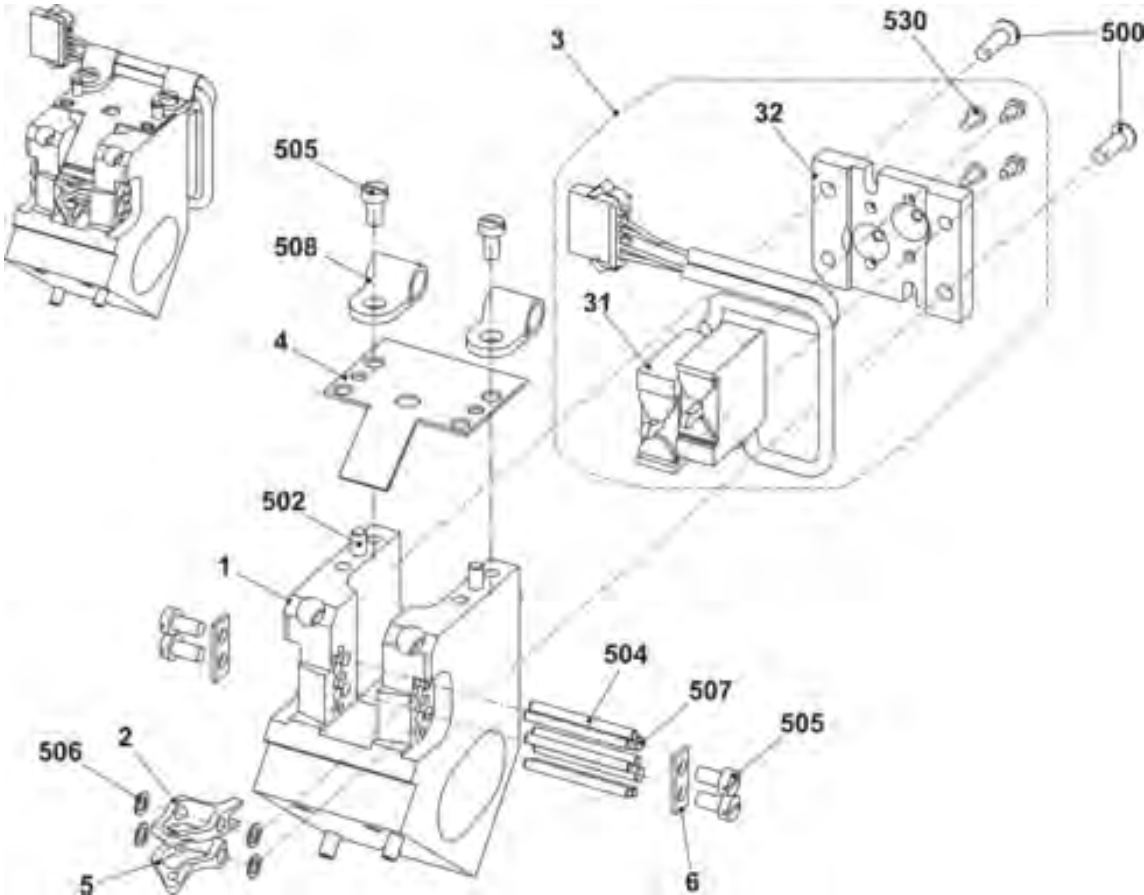
5.6.1 Cams E6.2 (bottom side)

| Pos | Designation                     | ID      |  | Pos | Designation                                 | ID      |
|-----|---------------------------------|---------|--|-----|---------------------------------------------|---------|
| Σ   | Cam box complete E6.2           | 243 419 |  | 24  | Pressure part receiving on the left         | 239 848 |
| 2   | Entry cam on the left E6.2+7.2  | 238 141 |  | 25  | Pressure part receiving on the right        | 239 849 |
| 3   | Entry cam on the right E6.2+7.2 | 238 142 |  | 26  | Tuck pressure part                          | 239 621 |
| 5   | Entry cam at the bottom E5-8    | 212 395 |  | 27  | Limiting cam E6.2                           | 236 326 |
| 6   | Plate on the left               | 230 988 |  | 29  | Pointer E10-14                              | 210 349 |
| 7   | Plate in the middle             | 231 035 |  | 30  | Screw                                       | 210 335 |
| 8   | Plate on the right              | 231 036 |  | 31  | Stitch cam on the left E6.2                 | 236 392 |
| 9   | Cam on the left                 | 231 039 |  | 32  | Stitch cam on the right E6.2                | 236 393 |
| 10  | Cam part at the right           | 231 041 |  | 33  | Tuck limiting cam E6.2                      | 236 429 |
| 11  | Cam part at the center          | 231 040 |  | 34  | Raising cam plate E4-12                     | 204 372 |
| 12  | Cam part                        | 227 923 |  | 35  | Receiving cam E6.2                          | 218 433 |
| 13  | Cam part                        | 210 254 |  | 36  | Raising cam without split-stitchE6.2        | 218 434 |
| 14  | Cam on the left E5-14           | 212 265 |  |     | Raising cam with split-stitch (Accessories) | 222 038 |
| 15  | Cam at the right E5-14          | 212 266 |  | 48  | Cam at the right E5-14                      | 212 275 |
| 16  | Cam on the left                 | 236 192 |  | 49  | Entry cam on the left E5-8                  | 213 161 |
| 17  | Cam part at the right           | 236 193 |  | 50  | Entry cam on the right E5-8                 | 213 162 |
| 18  | Cam on the left E5-14           | 212 274 |  | 51  | Jack slider on the right                    | 239 083 |
| 19  | Cam part                        | 210 252 |  | 52  | Jack slider on the left                     | 239 082 |
| 20  | Offering cam                    | 210 185 |  | 54  | Floating cam at the right E12-14            | 238 040 |
| 21  | Selection cam on the left       | 212 944 |  | 55  | Floating cam at the left E12-14             | 238 039 |
| 22  | Selection cam on the right      | 212 947 |  | 65  | Entry cam in the middle                     | 238 143 |
| 23  | Selection cam                   | 212 946 |  | 500 | Cap screw M4x8                              | 020 091 |



5.6.2 Supporting block on the left complete

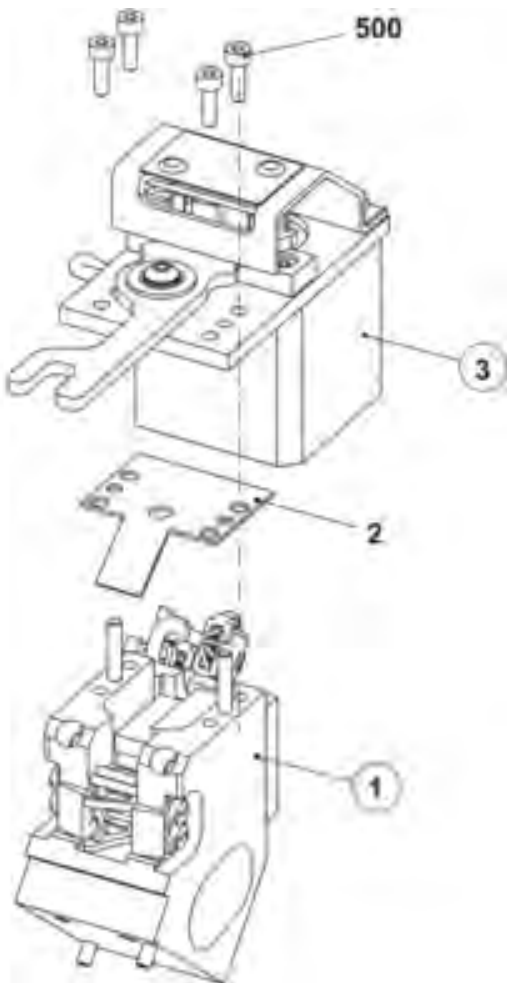
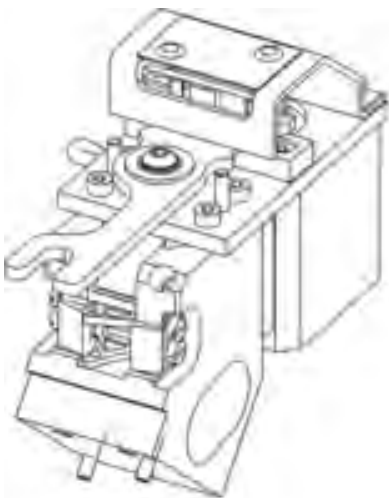
| Pos | Designation                           |                                    | ID      |  | Pos | Designation              |  | ID      |
|-----|---------------------------------------|------------------------------------|---------|--|-----|--------------------------|--|---------|
| Σ   | Supporting block on the left complete |                                    | 219 995 |  |     |                          |  |         |
| 1   | Supporting block E5-14                |                                    | 219 491 |  | 6   | Safety plate             |  | 224 823 |
| 2   | Rocker no.1                           |                                    | 224 435 |  | 500 | Pan-head screw M3x10-4.8 |  | 020 288 |
| 3   | Selection complete E5-14              |                                    | 220 020 |  | 502 | Dowel pin 3x12           |  | 020 647 |
|     | 31                                    | Magnet system                      | 220 021 |  | 504 | Dowel pin2x24            |  | 023 494 |
|     | 32                                    | Holding plate tilting magnet E5-14 | 219 727 |  | 505 | Cap screw M3x6           |  | 020 005 |
|     | 530                                   | Cap screw M2x4                     | 023 624 |  | 506 | Disk3,05x4,9x0,3         |  | 023 589 |
| 4   | Cover plate                           |                                    | 223 177 |  | 507 | Dowel pin3x24            |  | 023 580 |
| 5   | Rocker no.2                           |                                    | 224 436 |  | 508 | Fastening clip 255/5,2   |  | 008 335 |



5.6 Cam parts E6.2 (Top side)

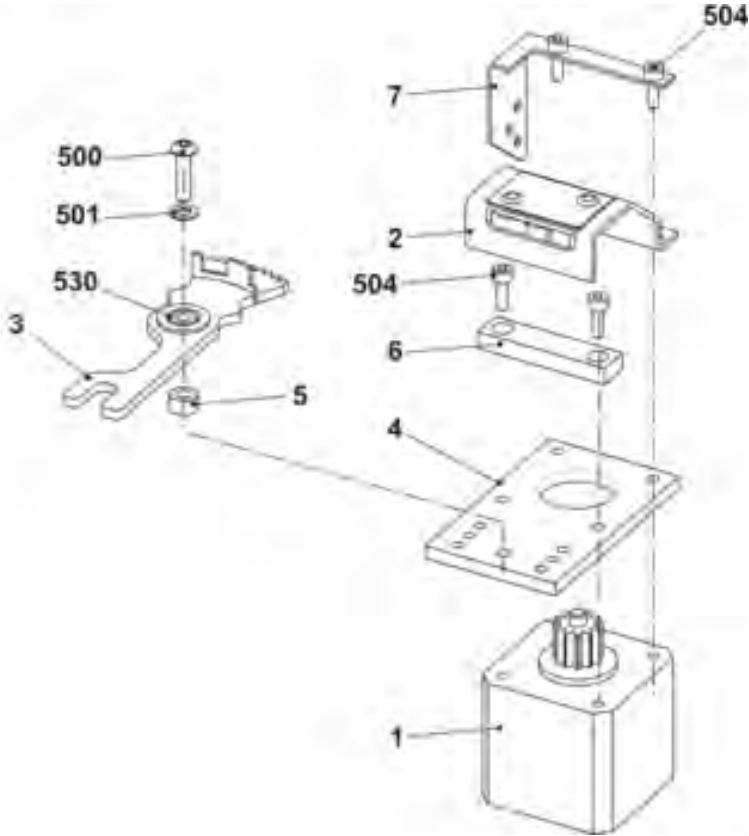
5.6.3 Control unit complete

| Pos | Designation                            | ID      |  | Pos | Designation                 | ID      |
|-----|----------------------------------------|---------|--|-----|-----------------------------|---------|
| Σ   | Control unit complete                  | 227 285 |  |     |                             |         |
| 1   | Supporting block on the right complete | 224 741 |  | 3   | Control unit complete E5-14 | 220 066 |
| 2   | Cover plate                            | 223 177 |  | 500 | Cap screw M3X10             | 022 991 |



5.6.3.1 Control unit

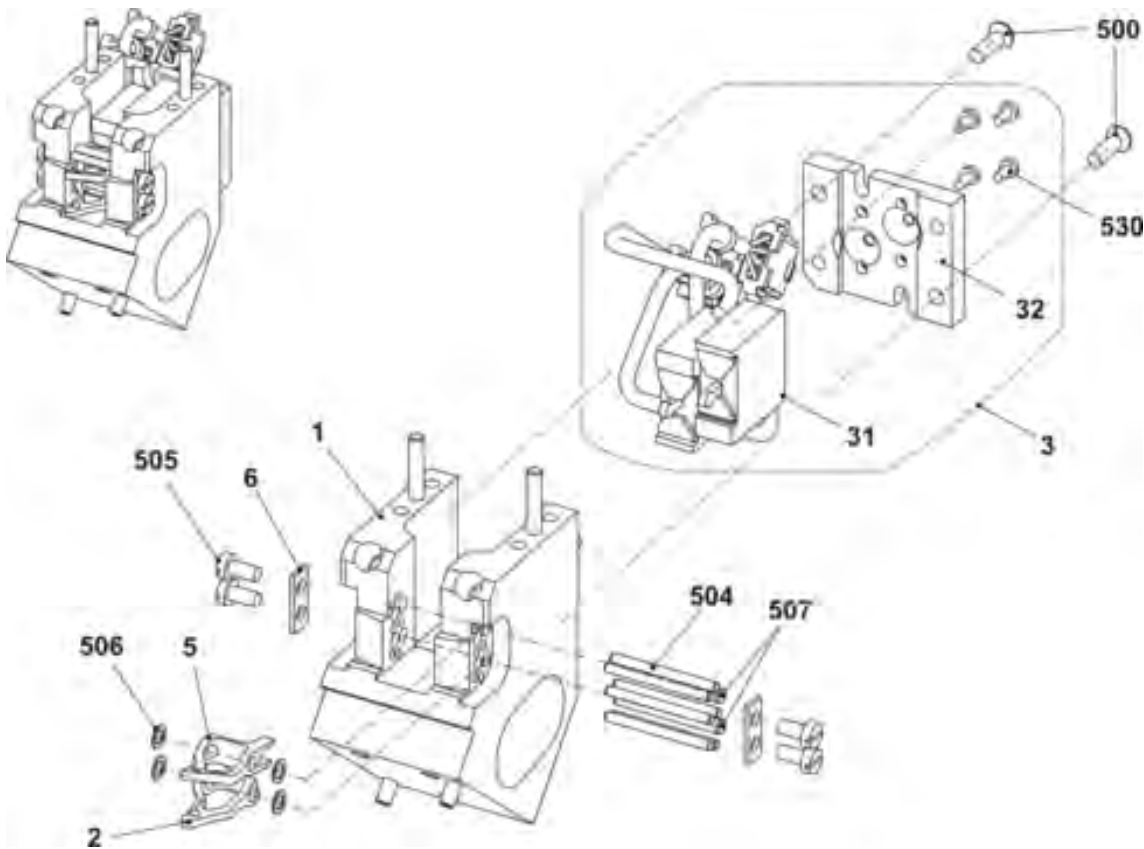
| Pos | Designation             |                                        | ID      |  | Pos | Designation          |  | ID      |
|-----|-------------------------|----------------------------------------|---------|--|-----|----------------------|--|---------|
| Σ   | Control unit completeE3 |                                        | 220 066 |  |     |                      |  |         |
| 1   | Step motor complete     |                                        | 218 653 |  | 6   | Stopping strip       |  | 223 226 |
| 2   | Light barrier complete  |                                        | 225 080 |  | 7   | Retaining plate      |  | 225 073 |
| 3   | Pivot lever complete    |                                        | 225 072 |  | 500 | Pan-head screw M4x16 |  | 023 412 |
|     | 530                     | Grooved ball bearing<br>F624-2Z-4x13x5 | 023 552 |  | 501 | Washer 4             |  | 020 879 |
| 4   | Motor plate             |                                        | 219 718 |  | 504 | Cap screw M3x10      |  | 022 991 |
| 5   | Spacing bush            |                                        | 219 726 |  |     |                      |  |         |
|     |                         |                                        |         |  |     |                      |  |         |



5.6 Cam parts E6.2 (Top side)

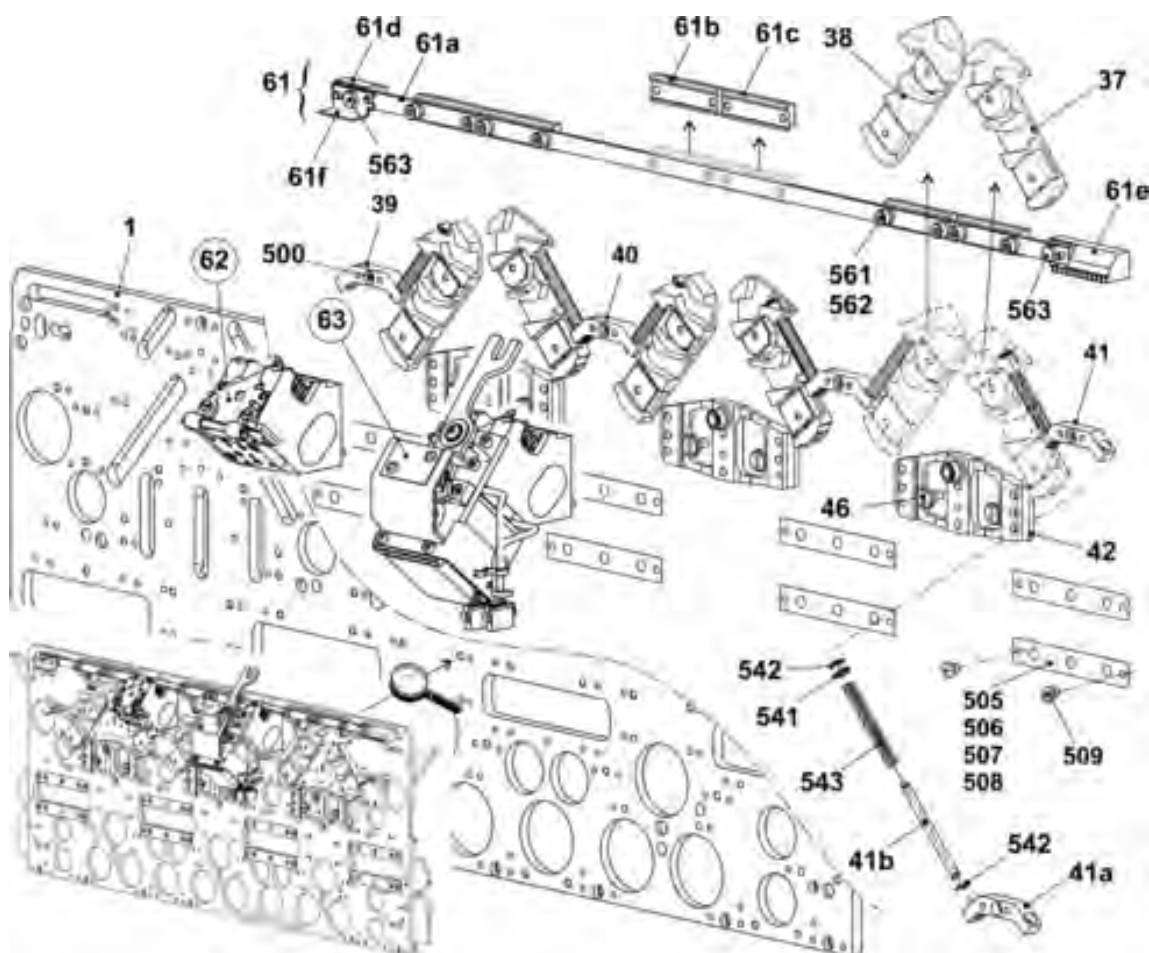
5.6.3.2 Supporting block on the right complete

| Pos | Designation                            | ID                                 |  | Pos | Designation              | ID      |
|-----|----------------------------------------|------------------------------------|--|-----|--------------------------|---------|
| Σ   | Supporting block on the right complete | 224 741                            |  |     |                          |         |
| 1   | Supporting block E5-14                 | 219 491                            |  | 6   | Safety plate             | 224 823 |
| 2   | Rocker no.1                            | 224 435                            |  | 500 | Pan-head screw M3x10-4.8 | 020 288 |
| 3   | Selection complete E5-14               | 220 020                            |  | 504 | Dowel pin2x24            | 023 494 |
|     | 31                                     | Magnet system                      |  | 505 | Cap screw M3x6           | 020 005 |
|     | 32                                     | Holding plate tilting magnet E5-14 |  | 506 | Disk3,05x4,9x0,3         | 023 589 |
|     | 530                                    | Cap screw M2x4                     |  | 507 | Dowel pin3x24            | 023 580 |
| 5   | Rocker no.2                            | 224 436                            |  |     |                          |         |
|     |                                        |                                    |  |     |                          |         |
|     |                                        |                                    |  |     |                          |         |
|     |                                        |                                    |  |     |                          |         |



## 5.7 Cam parts E7.2 (Top side)

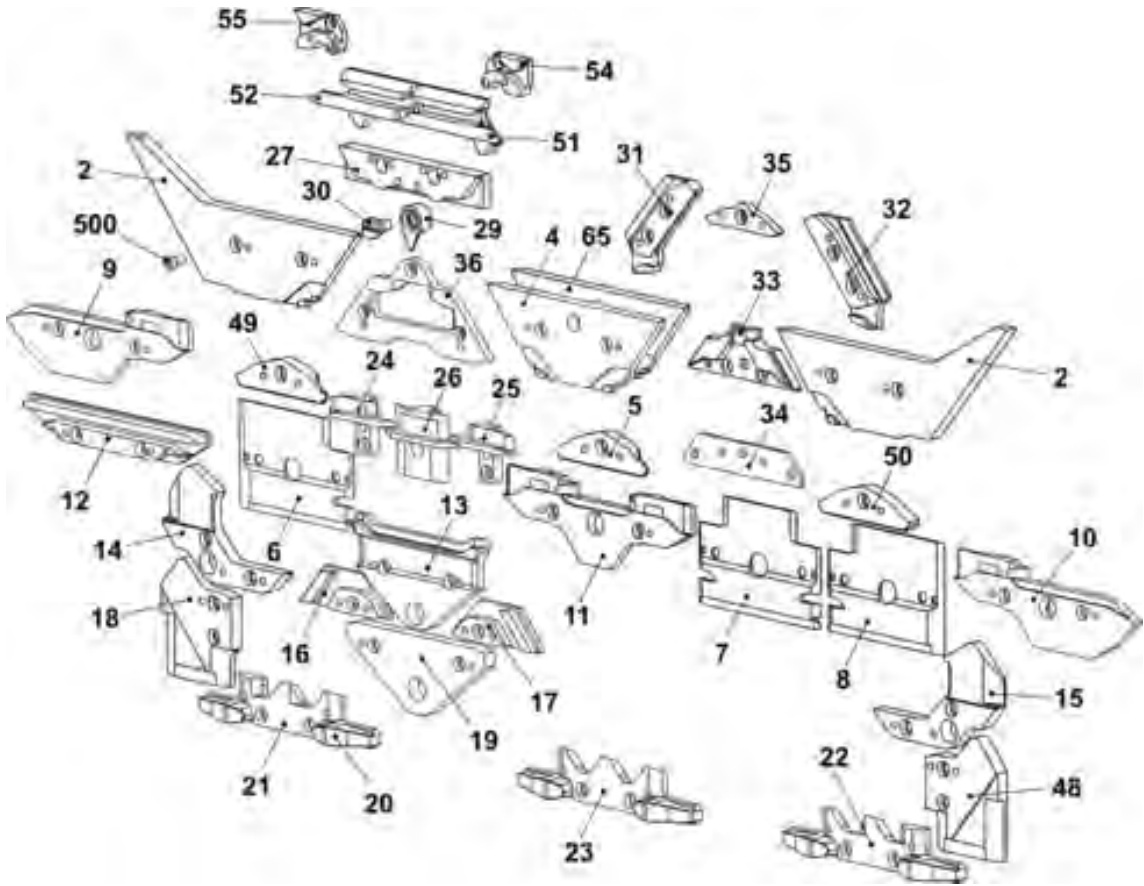
| Pos | Designation                                  | ID      | Pos | Designation                           | ID      |
|-----|----------------------------------------------|---------|-----|---------------------------------------|---------|
| Σ   | Cam box complete E7.2                        | 243 420 | 61  | Control slide complete                | 219 998 |
| 1   | Cam plate                                    | 242 337 | 61a | Control slide                         | 219 914 |
| 37  | Loop sinking cam on the right completeE12-14 | 219 994 | 61b | Control part on the left              | 228 825 |
| 38  | Loop sinking cam on the left completeE12-14  | 219 993 | 61c | Control part on the right             | 228 826 |
| 39  | Rod guide element on the left                | 211 165 | 61d | Guide part on the left E5-14          | 219 650 |
| 40  | Rod guide element in the middle              | 211 166 | 61e | Guiding part on the right             | 222 857 |
| 41  | Rod guide element on the right               | 211 168 | 61f | Switch strip                          | 225 115 |
| 41a | Rod guide part                               | 209 792 | 561 | Cap screw M4x8                        | 022 501 |
| 41b | Spring rod                                   | 209 791 | 562 | Washer4,3x7x2,0                       | 023 597 |
| 541 | Disk4,3x7x0,5                                | 022 153 | 563 | Hexagon screw M4x8                    | 022 461 |
| 542 | Circlip 3,2                                  | 021 019 | 62  | Supporting block on the left complete | 219 995 |
| 543 | Compression spring                           | 250 515 | 63  | Control unit complete                 | 227 285 |
| 42  | Switching piece                              | 240 281 | 505 | Shim0,03x12x75                        | 022 828 |
| 46  | Shoulder screw                               | 239 626 | 506 | Shim0,05x12x75                        | 022 829 |
| 509 | Pan-head screw M3x4                          | 023 142 | 507 | Shim0,1x12x75                         | 022 830 |
|     |                                              |         | 508 | Shim0,2x12x75                         | 022 831 |



5.7 Cam parts E7.2 (Top side)

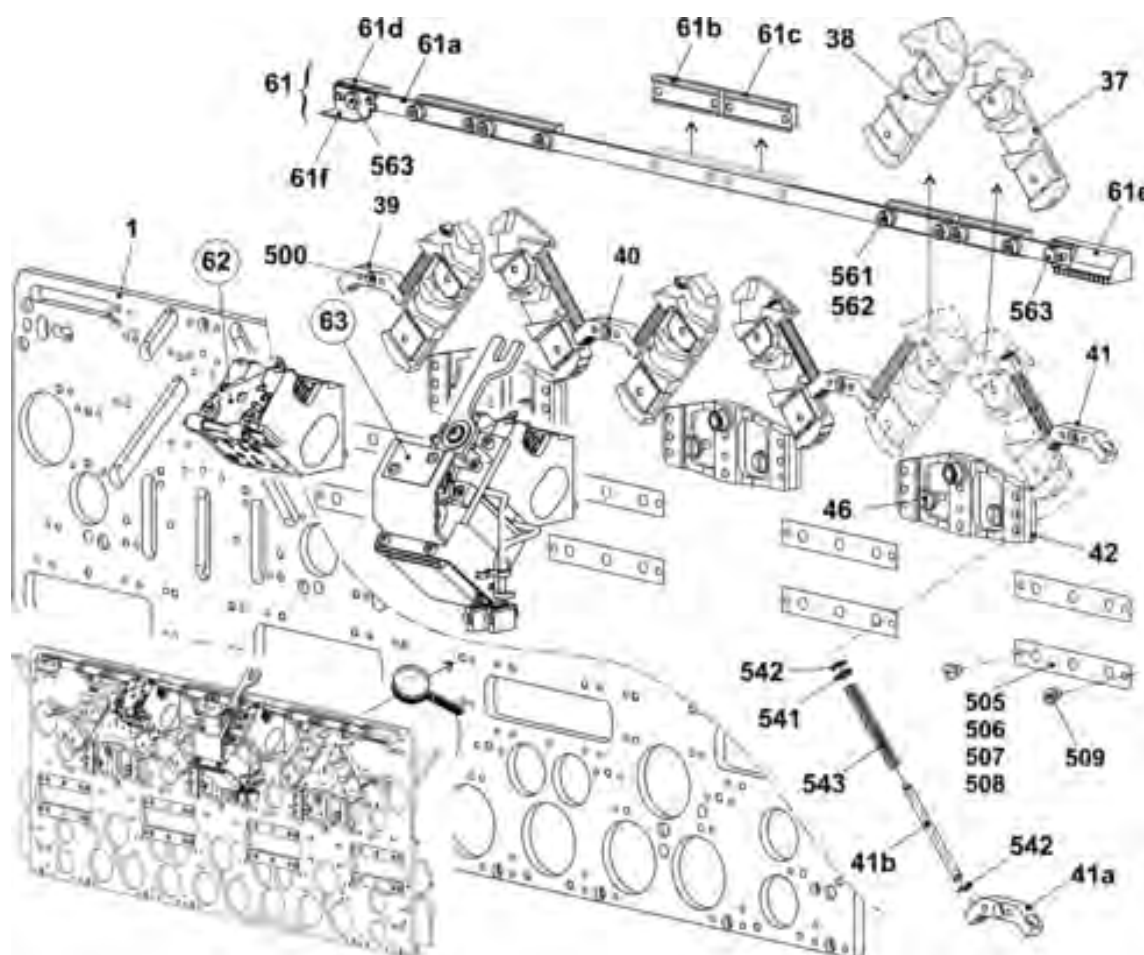
5.7.1 Cams E7.2 (bottom side)

| Pos | Designation                         | ID      |  | Pos | Designation                                 | ID       |
|-----|-------------------------------------|---------|--|-----|---------------------------------------------|----------|
| Σ   | Cam box complete E7.2               | 243 420 |  | 24  | Pressure part receiving on the left         | 239 848  |
| 2   | Entry cam on the left pulling       | 224 766 |  | 25  | Pressure part receiving on the right        | 239 849  |
| 3   | Entry cam on the right pulling      | 224 767 |  | 26  | Tuck pressure part                          | 239 621  |
| 4   | Entry cam at the top pulling        | 224 572 |  | 27  | Limiting cam E10                            | 219 931  |
| 5   | Entry cam at the bottom -1,5 E10-14 | 216 328 |  | 29  | Pointer E10-14                              | 210 349  |
| 6   | Plate on the left                   | 230 988 |  | 30  | Screw                                       | 210 335  |
| 7   | Plate in the middle                 | 231 035 |  | 31  | Stitch cam on the left E10-14               | 236 318  |
| 8   | Plate on the right                  | 231 036 |  | 32  | Stitch cam on the right E10-14              | 236 319  |
| 9   | Cam on the left                     | 231 039 |  | 33  | Tuck limiting cam E10+7.2                   | 236 345  |
| 10  | Cam part at the right               | 231 041 |  | 34  | Raising cam plate E4-12                     | 204 372  |
| 11  | Cam part at the center              | 231 040 |  | 35  | Receiving cam E10-12                        | 210 595  |
| 12  | Cam part                            | 227 923 |  | 36  | Raising cam without split-stitchE10-12      | 213 298  |
| 13  | Cam part                            | 210 254 |  |     | Raising cam with split-stitch (Accessories) | 222 038  |
| 14  | Cam on the left E5-14               | 212 265 |  | 48  | Cam at the right E5-14                      | 212 275  |
| 15  | Cam at the right E5-14              | 212 266 |  | 49  | Entry cam on the left -1,5 E10-14           | 216 329  |
| 16  | Cam on the left                     | 236 192 |  | 50  | Entry cam on the right -1,5 E10-14          | 216 330  |
| 17  | Cam part at the right               | 236 193 |  | 51  | Jack slider on the right                    | 239 083  |
| 18  | Cam on the left E5-14               | 212 274 |  | 52  | Jack slider on the left                     | 239 082  |
| 19  | Cam part                            | 210 252 |  | 54  | Floating cam at the right E7.2              | 235 367  |
| 20  | Offering cam                        | 210 185 |  | 55  | Floating cam at the left E7.2               | 235 3667 |
| 21  | Selection cam on the left           | 212 944 |  | 65  | Entry cam at the top pulling                | 225 333  |
| 22  | Selection cam on the right          | 212 947 |  | 500 | Cap screw M4x8                              | 020 091  |
| 23  | Selection cam                       | 212 946 |  |     |                                             |          |



## 5.8 Cams E6.2(12) (top side)

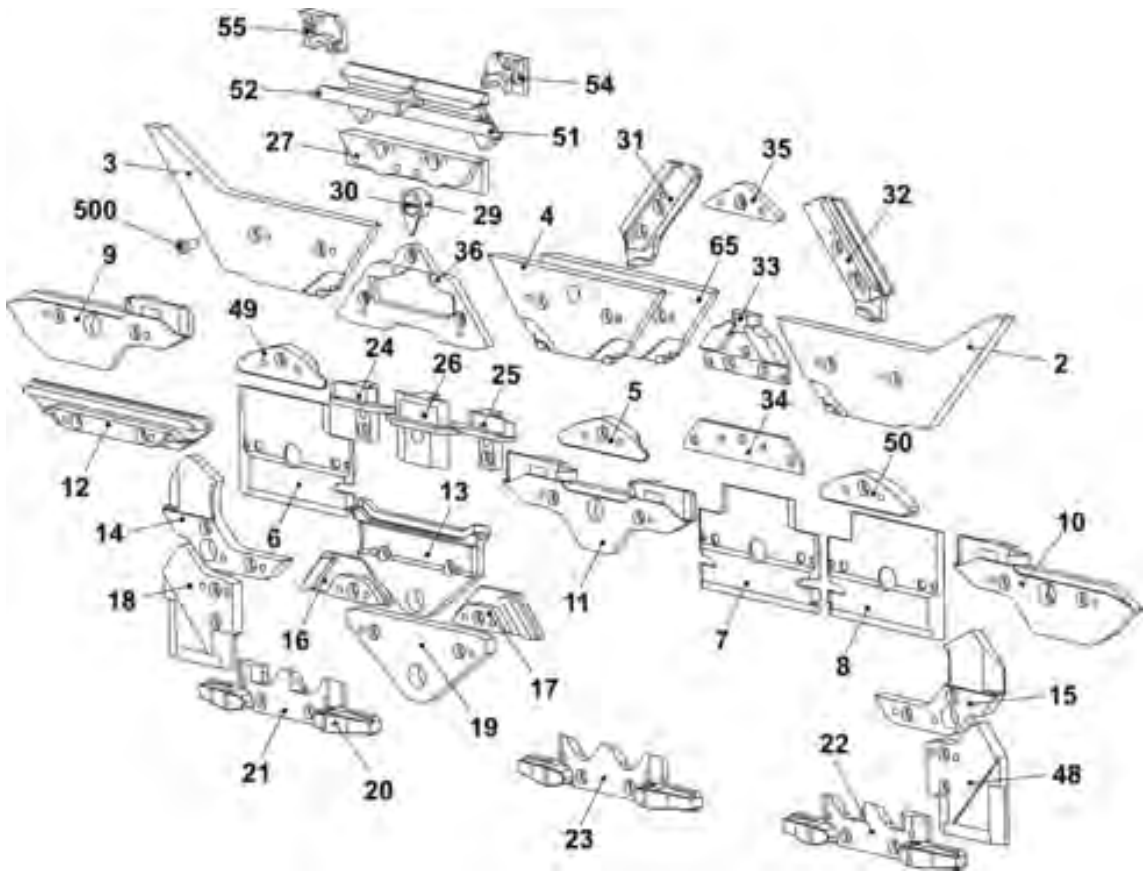
| Pos | Designation                                  | ID      | Pos | Designation                           | ID      |
|-----|----------------------------------------------|---------|-----|---------------------------------------|---------|
| Σ   | Cam box at the front complete E12            | 244 639 | 61  | Control slide complete                | 219 998 |
|     | Cam box at the rear complete E12             | 244 640 | 61a | Control slide                         | 219 914 |
| 1   | Cam plate                                    | 242 337 | 61b | Control part on the left              | 228 825 |
| 37  | Loop sinking cam on the right completeE12-14 | 219 994 | 61c | Control part on the right             | 228 826 |
| 38  | Loop sinking cam on the left completeE12-14  | 219 993 | 61d | Guide part on the left E5-14          | 219 650 |
| 39  | Rod guide element on the left                | 211 165 | 61e | Guiding part on the right             | 222 857 |
| 40  | Rod guide element in the middle              | 211 166 | 61f | Switch strip                          | 225 115 |
| 41  | Rod guide element on the right               | 211 168 | 561 | Cap screw M4x8                        | 022 501 |
| 41a | Rod guide part                               | 209 792 | 562 | Washer4,3x7x2,0                       | 023 597 |
| 41b | Spring rod                                   | 209 791 | 563 | Hexagon screw M4x8                    | 022 461 |
| 541 | Disk4,3x7x0,5                                | 022 153 | 62  | Supporting block on the left complete | 219 995 |
| 542 | Circlip 3,2                                  | 021 019 | 63  | Control unit complete                 | 227 285 |
| 543 | Compression spring                           | 250 515 | 505 | Shim0,03x12x75                        | 022 828 |
| 42  | Switching piece                              | 240 281 | 506 | Shim0,05x12x75                        | 022 829 |
| 46  | Shoulder screw                               | 239 626 | 507 | Shim0,1x12x75                         | 022 830 |
| 509 | Pan-head screw M3x4                          | 023 142 | 508 | Shim0,2x12x75                         | 022 831 |



5.8 Cams E6.2(12) (top side)

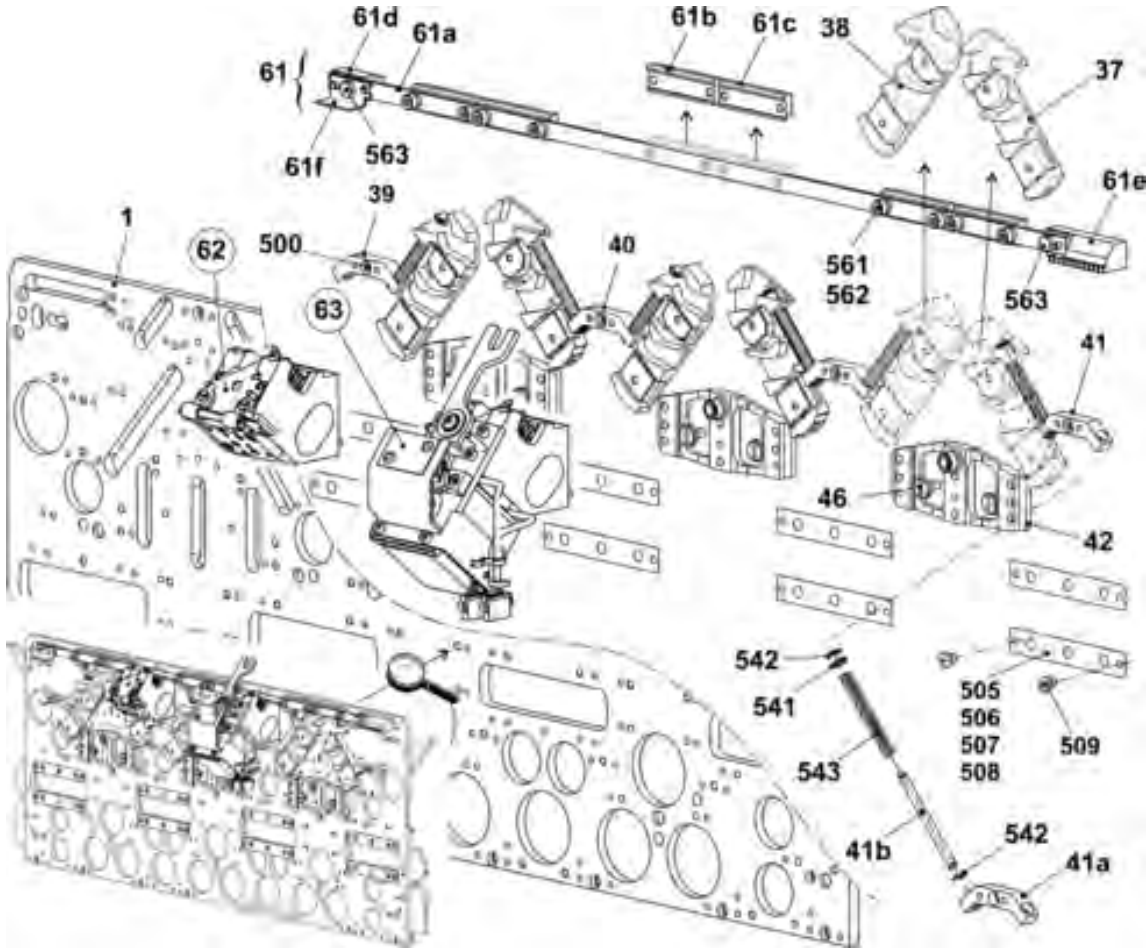
5.8.1 Cams E6.2(12) (bottom side)

| Pos | Designation                         | ID      |  | Pos | Designation                                    | ID      |
|-----|-------------------------------------|---------|--|-----|------------------------------------------------|---------|
| Σ   | Cam box at the front complete E12   | 244 639 |  | 24  | Pressure part receiving on the left            | 239 848 |
|     | Cam box at the rear complete E12    | 244 640 |  | 25  | Pressure part receiving on the right           | 239 849 |
| 2   | Entry cam on the right pulling      | 224 767 |  | 26  | Tuck pressure part                             | 239 621 |
| 3   | Entry cam on the left pulling       | 224 766 |  | 27  | Limiting cam E12-14                            | 219 937 |
| 4   | Entry cam at the top pulling        | 224 572 |  | 29  | Pointer E10-14                                 | 210 349 |
| 5   | Entry cam at the bottom -1,5 E10-14 | 216 328 |  | 30  | Screw                                          | 210 335 |
| 6   | Plate on the left                   | 230 988 |  | 31  | Stitch cam on the left E10-14                  | 236 318 |
| 7   | Plate in the middle                 | 231 035 |  | 32  | Stitch cam on the right E10-14 (front)         | 236 319 |
| 8   | Plate on the right                  | 231 036 |  |     | Stitch cam at the rear on the right R/R E10-14 | 236 320 |
| 9   | Cam on the left                     | 231 039 |  | 33  | Tuck limiting cam E12                          | 236 403 |
| 10  | Cam part at the right               | 231 041 |  | 34  | Raising cam plate E4-12                        | 204 372 |
| 11  | Cam part at the center              | 231 040 |  | 35  | Receiving cam E6.2                             | 218 433 |
| 12  | Cam part                            | 227 923 |  | 36  | Raising cam without split-stitchE6.2           | 218 434 |
| 13  | Cam part                            | 210 254 |  |     | Raising cam with split-stitch (Accessories)    | 222 038 |
| 14  | Cam on the left E5-14               | 212 265 |  | 48  | Cam at the right E5-14                         | 212 275 |
| 15  | Cam at the right E5-14              | 212 266 |  | 49  | Entry cam on the left -1,5 E10-14              | 216 329 |
| 16  | Cam on the left                     | 236 192 |  | 50  | Entry cam on the right -1,5 E10-14             | 216 330 |
| 17  | Cam part at the right               | 236 193 |  | 51  | Jack slider on the right                       | 242 001 |
| 18  | Cam on the left E5-14               | 212 274 |  | 52  | Jack slider on the left                        | 242 000 |
| 19  | Cam part                            | 210 252 |  | 54  | Floating cam at the right E12-14               | 227 278 |
| 20  | Offering cam                        | 210 185 |  | 55  | Floating cam at the left E12-14                | 227 277 |
| 21  | Selection cam on the left           | 212 944 |  | 65  | Entry cam at the top pulling                   | 225 333 |
| 22  | Selection cam on the right          | 212 947 |  | 500 | Cap screw M4x8                                 | 020 091 |
| 23  | Selection cam                       | 212 946 |  |     |                                                |         |



5.9 Cam parts E7.2(14) (Top side)

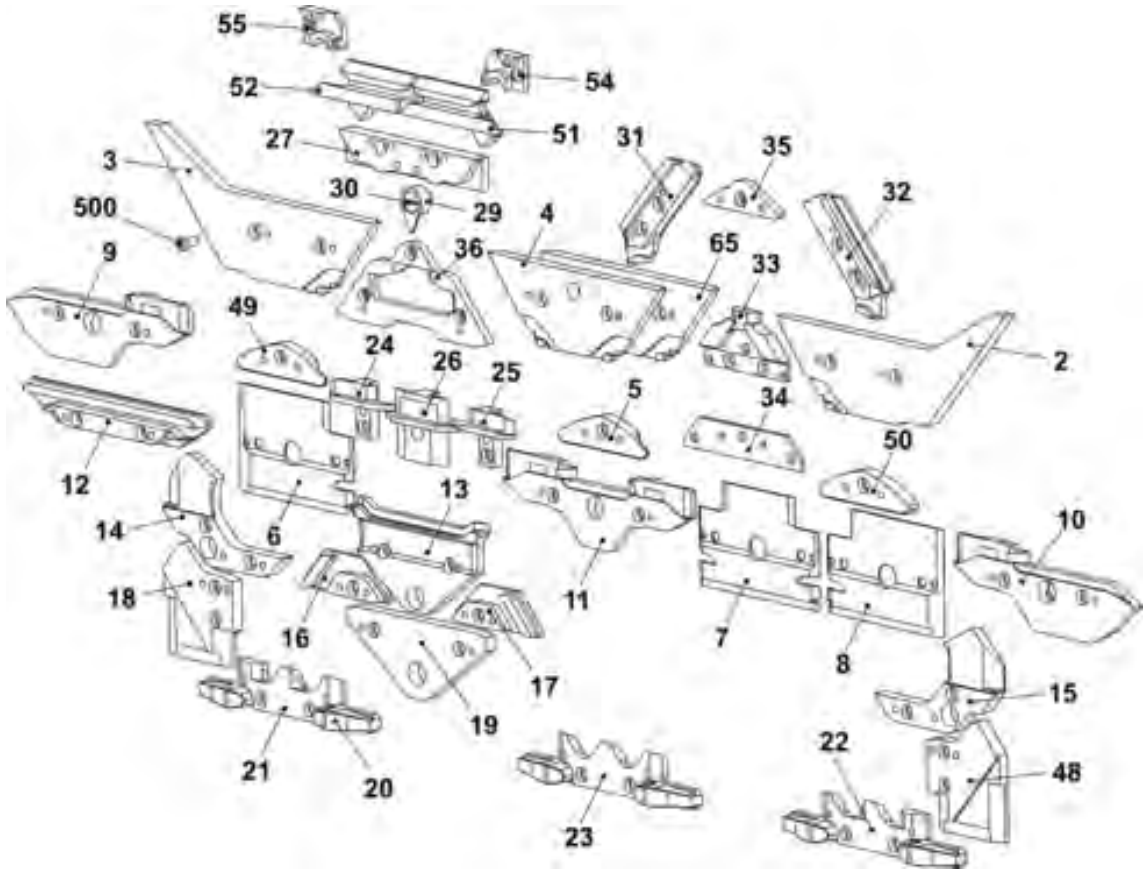
| Pos | Designation                                   | ID      | Pos | Designation                           | ID      |
|-----|-----------------------------------------------|---------|-----|---------------------------------------|---------|
| Σ   | Cam box complete E14                          | 244 022 | 61  | Control slide complete                | 219 998 |
| 1   | Cam plate                                     | 242 337 | 61a | Control slide                         | 219 914 |
| 37  | Loop sinking cam on the right complete E12-14 | 219 994 | 61b | Control part on the left              | 228 825 |
| 38  | Loop sinking cam on the left completeE12-14   | 219 993 | 61c | Control part on the right             | 228 826 |
| 39  | Rod guide element on the left                 | 211 165 | 61d | Guide part on the left E5-14          | 219 650 |
| 40  | Rod guide element in the middle               | 211 166 | 61e | Guiding part on the right             | 222 857 |
| 41  | Rod guide element on the right                | 211 168 | 61f | Switch strip                          | 225 115 |
| 41a | Rod guide part                                | 209 792 | 561 | Cap screw M4x8                        | 022 501 |
| 41b | Spring rod                                    | 209 791 | 562 | Washer4,3x7x2,0                       | 023 597 |
| 541 | Disk4,3x7x0,5                                 | 022 153 | 563 | Hexagon screw M4x8                    | 022 461 |
| 542 | Circlip 3,2                                   | 021 019 | 62  | Supporting block on the left complete | 219 995 |
| 543 | Compression spring                            | 250 515 | 63  | Control unit complete                 | 227 285 |
| 42  | Switching piece                               | 240 281 | 505 | Shim0,03x12x75                        | 022 828 |
| 46  | Shoulder screw                                | 239 626 | 506 | Shim0,05x12x75                        | 022 829 |
| 509 | Pan-head screw M3x4                           | 023 142 | 507 | Shim0,1x12x75                         | 022 830 |
|     |                                               |         | 508 | Shim0,2x12x75                         | 022 831 |



5.9 Cam parts E7.2(14) (Top side)

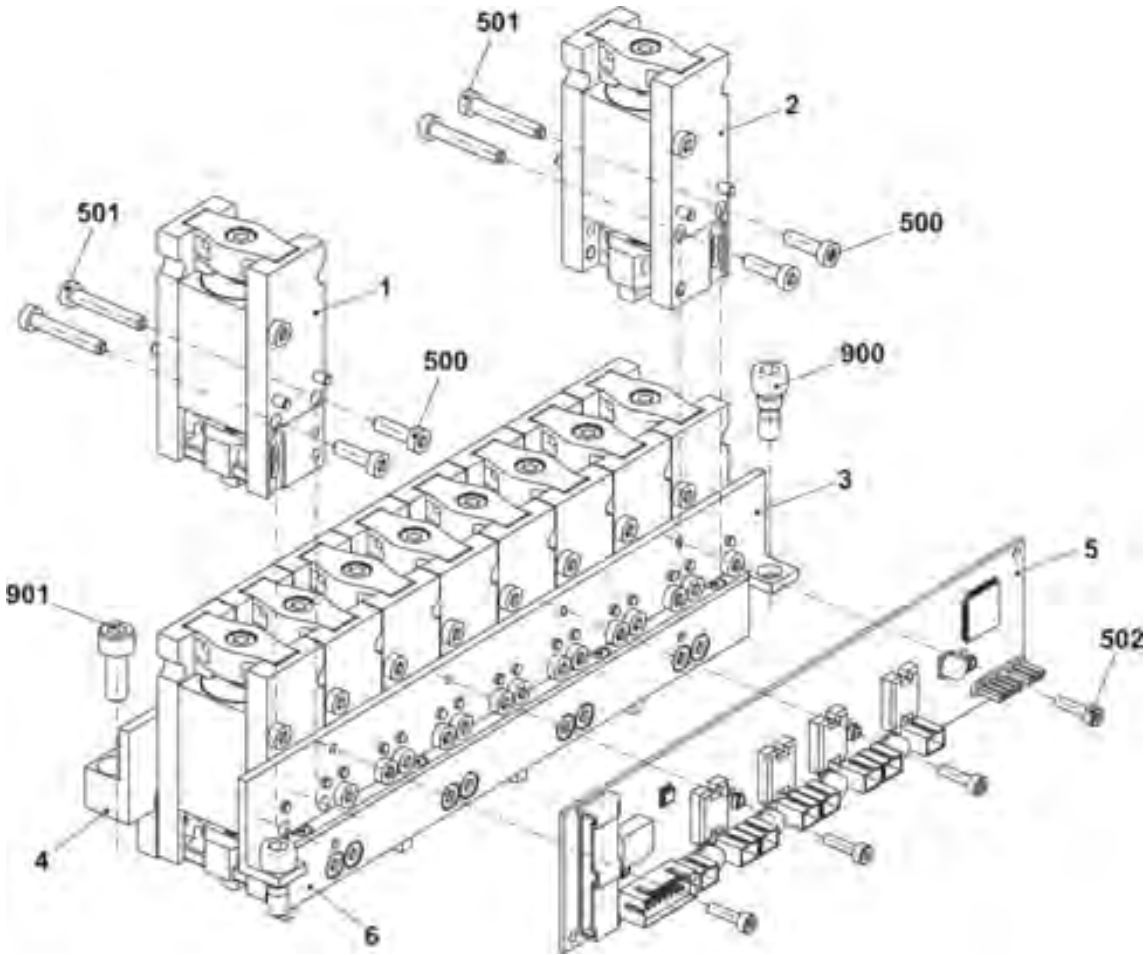
5.9.1 Cams E7.2(14) (bottom side)

| Pos | Designation                         | ID      |  | Pos | Designation                                 | ID      |
|-----|-------------------------------------|---------|--|-----|---------------------------------------------|---------|
| Σ   | Cam box complete E14                | 244 022 |  | 24  | Pressure part receiving on the left         | 239 848 |
| 2   | Entry cam on the right pulling      | 224 767 |  | 25  | Pressure part receiving on the right        | 239 849 |
| 3   | Entry cam on the left pulling       | 224 766 |  | 26  | Tuck pressure part                          | 239 621 |
| 4   | Entry cam at the top pulling        | 224 572 |  | 27  | Limiting cam E12-14                         | 219 937 |
| 5   | Entry cam at the bottom -1,5 E10-14 | 216 328 |  | 29  | Pointer E10-14                              | 210 349 |
| 6   | Plate on the left                   | 230 988 |  | 30  | Screw                                       | 210 335 |
| 7   | Plate in the middle                 | 231 035 |  | 31  | Stitch cam on the left E10-14               | 236 318 |
| 8   | Plate on the right                  | 231 036 |  | 32  | Stitch cam on the right E10-14              | 236 319 |
| 9   | Cam on the left                     | 231 039 |  | 33  | Tuck limiting cam E14                       | 236 428 |
| 10  | Cam part at the right               | 231 041 |  | 34  | Raising cam plate E4-12                     | 204 372 |
| 11  | Cam part at the center              | 231 040 |  | 35  | Receiving cam E6.2                          | 218 433 |
| 12  | Cam part                            | 227 923 |  | 36  | Raising cam without split-stitchE6.2        | 218 434 |
| 13  | Cam part                            | 210 254 |  |     | Raising cam with split-stitch (Accessories) | 222 038 |
| 14  | Cam on the left E5-14               | 212 265 |  | 48  | Cam at the right E5-14                      | 212 275 |
| 15  | Cam at the right E5-14              | 212 266 |  | 49  | Entry cam on the left -1,5 E10-14           | 216 329 |
| 16  | Cam on the left                     | 236 192 |  | 50  | Entry cam on the right -1,5 E10-14          | 216 330 |
| 17  | Cam part at the right               | 236 193 |  | 51  | Jack slider on the right                    | 242 001 |
| 18  | Cam on the left E5-14               | 212 274 |  | 52  | Jack slider on the left                     | 242 000 |
| 19  | Cam part                            | 210 252 |  | 54  | Floating cam at the right E12-14            | 227 278 |
| 20  | Offering cam                        | 210 185 |  | 55  | Floating cam at the left E12-14             | 227 277 |
| 21  | Selection cam on the left           | 212 944 |  | 65  | Entry cam at the top pulling                | 225 333 |
| 22  | Selection cam on the right          | 212 947 |  | 500 | Cap screw M4x8                              | 020 091 |
| 23  | Selection cam                       | 212 946 |  |     |                                             |         |



5.10 Yarn carrier driving without guide part

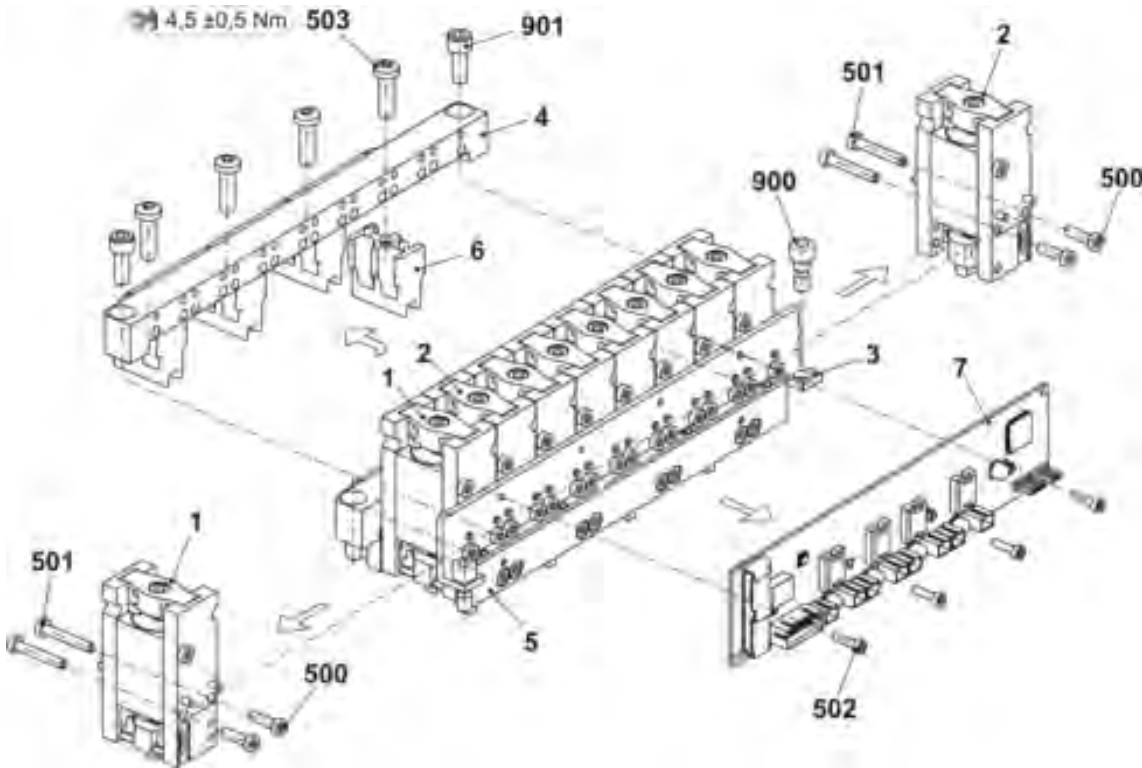
| Pos | Designation                                | ID      |  | Pos | Designation           | ID      |
|-----|--------------------------------------------|---------|--|-----|-----------------------|---------|
| Σ   | FF driving outside complete                | 245 297 |  | 6   | Switch mechanism      | 251 137 |
| 1   | Yarn carrier plunger on the right complete | 243 080 |  | 500 | Cap screwM4x16-I-Torx | 258 336 |
| 2   | Yarn carrier plunger on the left complete  | 243 118 |  | 501 | Cap screwM4x25-I-Torx | 245 305 |
| 3   | Holding angle for jack                     | 245 313 |  | 502 | Cap screwM3x12-12.9   | 022 648 |
| 4   | Holding block outside                      | 245 294 |  | 900 | Shoulder screw        | 231 899 |
| 5   | Card yarn carrier final stagesOKC          | 300 960 |  | 901 | Cap screwM6x16        | 020 135 |



5.11 Yarn carrier driving with guide part

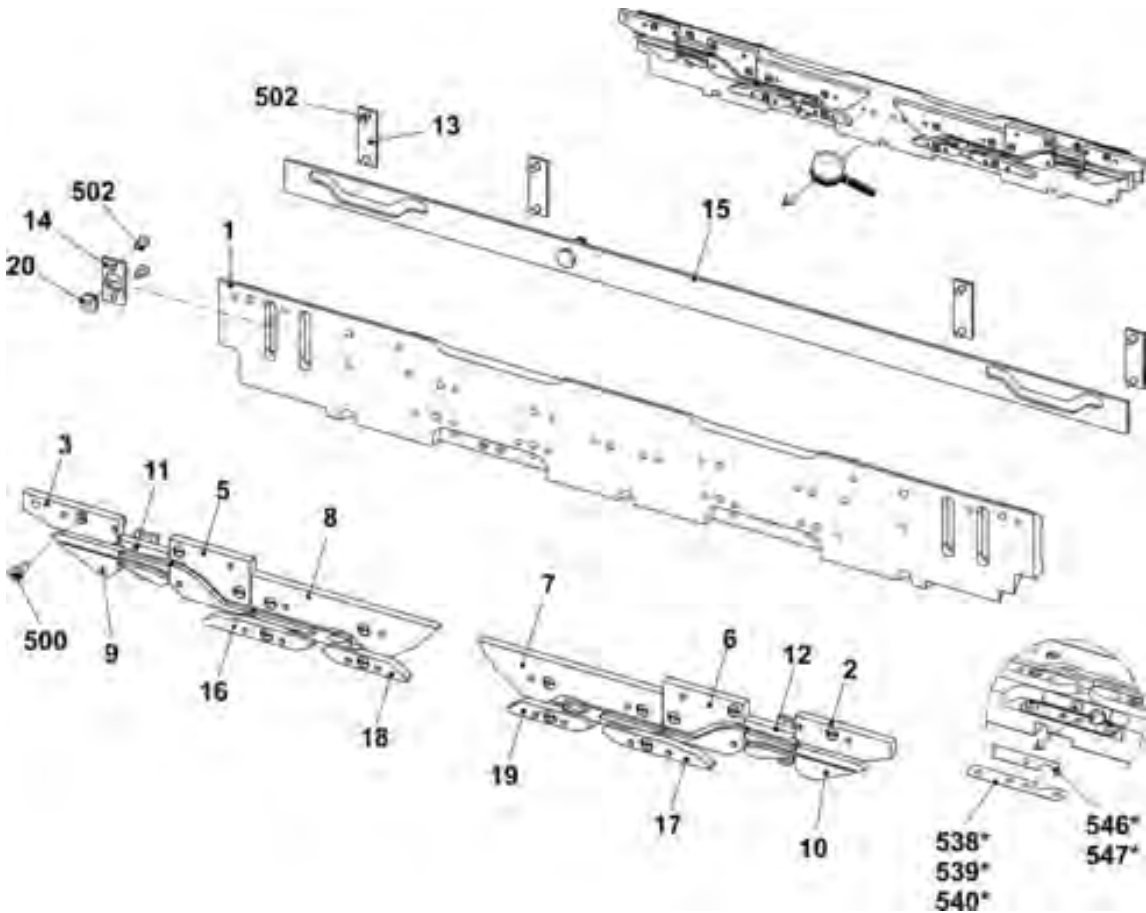
5.11 Yarn carrier driving with guide part

| Pos | Designation                                | ID      |  | Pos | Designation                       | ID      |
|-----|--------------------------------------------|---------|--|-----|-----------------------------------|---------|
| Σ   | YC driving in the middle complete          | 245 298 |  | 7   | Card yarn carrier final stagesOKC | 300 960 |
| 1   | Yarn carrier plunger on the right complete | 243 080 |  | 500 | Cap screwM4x16-I-Torx             | 258 336 |
| 2   | Yarn carrier plunger on the left complete  | 243 118 |  | 501 | Cap screwM4x25-I-Torx             | 245 305 |
| 3   | Holding angle for jack                     | 245 313 |  | 502 | Cap screwM3x12-12.9               | 022 648 |
| 4   | Holding block in the middle                | 245 308 |  | 503 | Screw KB60x20                     | 243 625 |
| 5   | Switch mechanism                           | 251 137 |  | 900 | Shoulder screw                    | 231 899 |
| 6   | Guide part                                 | 239 972 |  | 901 | Cap screwM6x16                    | 020 135 |



5.12 Additional cam box E6.2

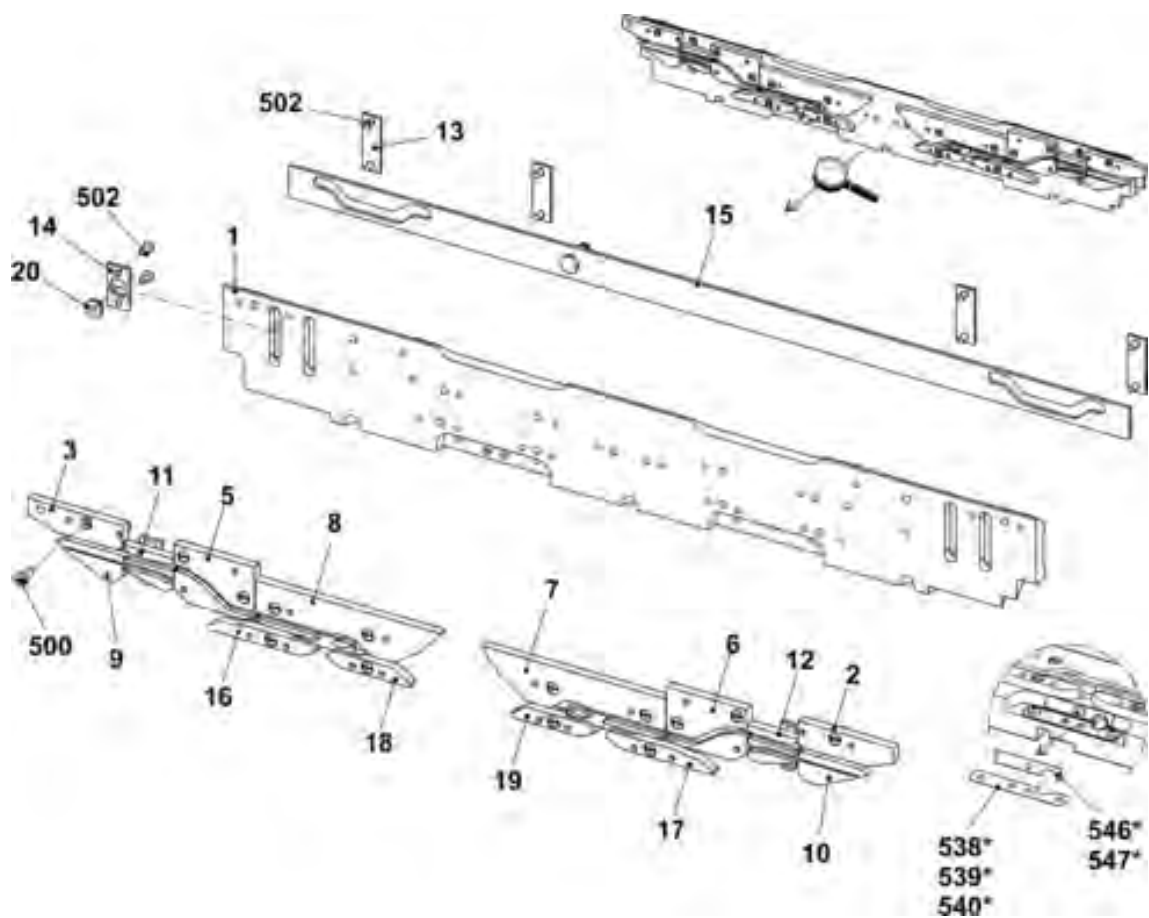
| Pos | Designation                                            | ID      |  | Pos  | Designation                  | ID      |
|-----|--------------------------------------------------------|---------|--|------|------------------------------|---------|
| Σ   | Additional cam complete E6.2                           | 239 198 |  |      |                              |         |
| 1   | Additional cam plate                                   | 224 751 |  | 15   | Slider complete              | 224 854 |
| 2   | Racking entry cam on the right                         | 228 844 |  | 16   | Collecting part on the left  | 226 691 |
| 3   | Racking entry cam on the left                          | 228 848 |  | 17   | Collecting part on the right | 226 692 |
| 5   | Central cam on the left E6.2+7.2                       | 237 160 |  | 18   | Collecting part on the left  | 228 922 |
| 6   | Central cam on the right E6.2+7.2                      | 237 161 |  | 19   | Collecting part on the right | 228 923 |
| 7   | Selection switch on the right                          | 228 920 |  | 20   | Cap bush                     | 225 855 |
| 8   | Selection switch on the left                           | 228 921 |  | 500  | Cap screw M4x8               | 020 091 |
| 9   | Entry switch on the leftE10-14                         | 228 832 |  | 502  | Countersunk screw M3x6       | 020 286 |
| 10  | Entry switch on the rightE10-14                        | 228 823 |  | 538* | Shim0,03x10x50               | 023 622 |
| 11  | Switching part on the left at the rear<br>+0.5mm E6.2  | 239 450 |  | 539* | Shim0,05x10x50               | 023 548 |
| 12  | Switching part on the right at the rear<br>+0.5mm E6.2 | 239 451 |  | 540* | Shim0,1x10x50                | 023 549 |
| 13  | Guiding plate                                          | 224 771 |  | 546* | Shim0,05x7x36                | 239 606 |
| 14  | Slider cover plate                                     | 224 776 |  | 547* | Shim0,1x7x36                 | 239 607 |



5.13 Additional cam box E7.2

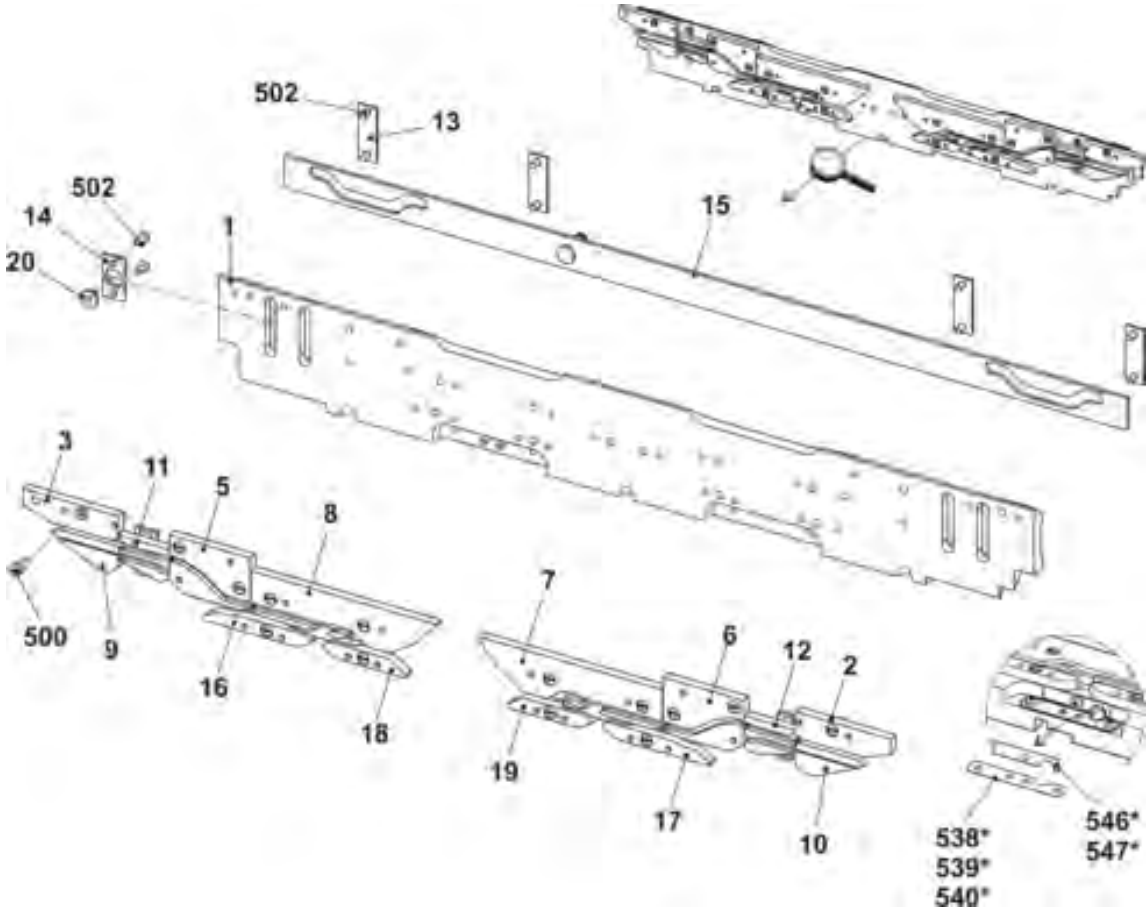
5.13 Additional cam box E7.2

| Pos | Designation                                      | ID      |  | Pos  | Designation                  | ID      |
|-----|--------------------------------------------------|---------|--|------|------------------------------|---------|
| Σ   | Additional cam complete E7.2                     | 238 144 |  |      |                              |         |
| 1   | Additional cam plate                             | 224 751 |  | 15   | Slider complete              | 224 854 |
| 2   | Racking entry cam on the right                   | 228 844 |  | 16   | Collecting part on the left  | 226 691 |
| 3   | Racking entry cam on the left                    | 228 848 |  | 17   | Collecting part on the right | 226 692 |
| 5   | Central cam on the left E6.2+7.2                 | 237 160 |  | 18   | Collecting part on the left  | 228 922 |
| 6   | Central cam on the right E6.2+7.2                | 237 161 |  | 19   | Collecting part on the right | 228 923 |
| 7   | Selection switch on the right                    | 228 920 |  | 20   | Cap bush                     | 225 855 |
| 8   | Selection switch on the left                     | 228 921 |  | 500  | Cap screw M4x8               | 020 091 |
| 9   | Entry switch on the leftE10-14                   | 228 832 |  | 502  | Countersunk screw M3x6       | 020 286 |
| 10  | Entry switch on the rightE10-14                  | 228 823 |  | 538* | Shim0,03x10x50               | 023 622 |
| 11  | Switching part on the left at the rear E6.2+7.2  | 237 601 |  | 539* | Shim0,05x10x50               | 023 548 |
| 12  | Switching part on the right at the rear E6.2+7.2 | 237 600 |  | 540* | Shim0,1x10x50                | 023 549 |
| 13  | Guiding plate                                    | 224 771 |  | 546* | Shim0,05x7x36                | 239 606 |
| 14  | Slider cover plate                               | 224 776 |  | 547* | Shim0,1x7x36                 | 239 607 |



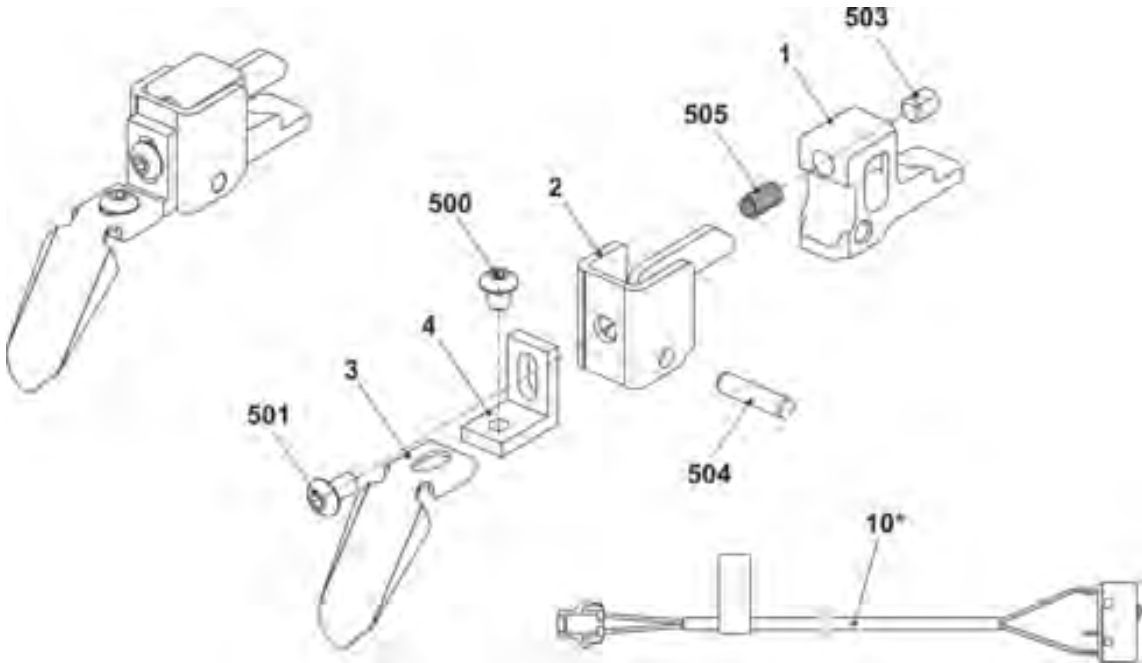
5.14 Additional cam box E6.2(12) + E7.2(14)

| Pos | Designation                        | ID      |  | Pos  | Designation                  | ID      |
|-----|------------------------------------|---------|--|------|------------------------------|---------|
| Σ   | Additional cam complete E3         | 224 857 |  |      |                              |         |
| 1   | Additional cam plate               | 224 751 |  | 15   | Slider complete              | 224 854 |
| 2   | Racking entry cam on the right     | 228 844 |  | 16   | Collecting part on the left  | 226 691 |
| 3   | Racking entry cam on the left      | 228 848 |  | 17   | Collecting part on the right | 226 692 |
| 5   | Central cam on the left E10-14     | 230 420 |  | 18   | Collecting part on the left  | 228 922 |
| 6   | Central cam on the right E10-14    | 230 421 |  | 19   | Collecting part on the right | 228 923 |
| 7   | Selection switch on the right      | 228 920 |  | 20   | Cap bush                     | 225 855 |
| 8   | Selection switch on the left       | 228 921 |  | 500  | Cap screw M4x8               | 020 091 |
| 9   | Entry switch on the leftE10-14     | 228 832 |  | 502  | Countersunk screw M3x6       | 020 286 |
| 10  | Entry switch on the rightE10-14    | 228 823 |  | 538* | Shim0,03x10x50               | 023 622 |
| 11  | Switching part on the left E10-14  | 230 422 |  | 539* | Shim0,05x10x50               | 023 548 |
| 12  | Switching part on the right E10-14 | 230 423 |  | 540* | Shim0,1x10x50                | 023 549 |
| 13  | Guiding plate                      | 224 771 |  | 546* | Shim0,05x7x36                | 239 606 |
| 14  | Slider cover plate                 | 224 776 |  | 547* | Shim0,1x7x36                 | 239 607 |



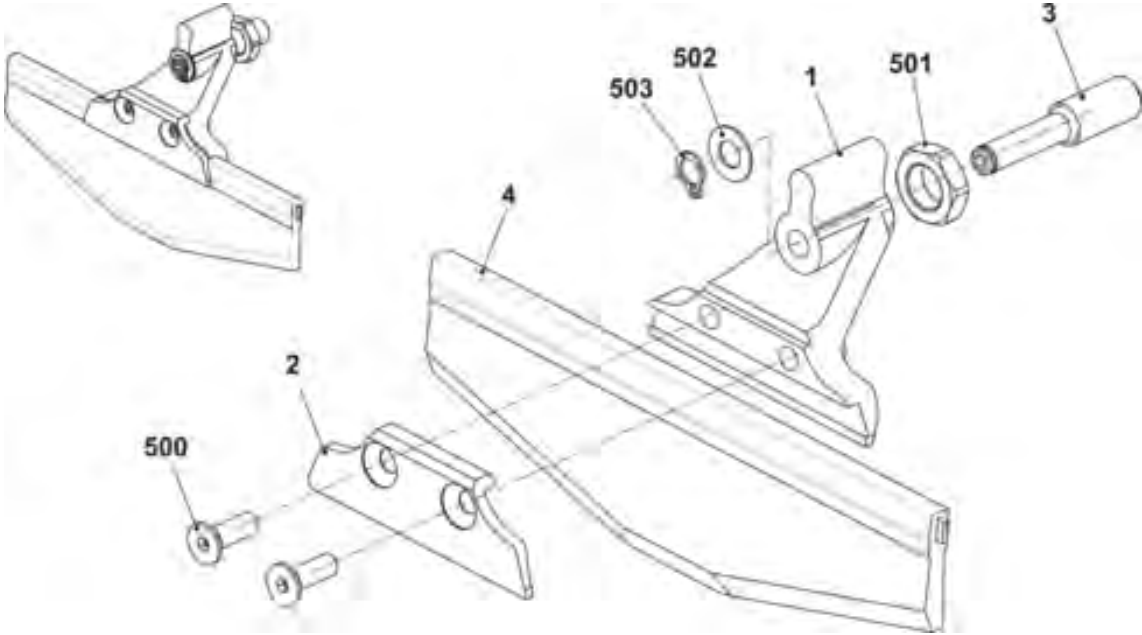
5.15 Needle detector

| Pos | Designation                       | ID      |  | Pos | Designation                    | ID      |
|-----|-----------------------------------|---------|--|-----|--------------------------------|---------|
| Σ   | Needle detector complete          | 226 969 |  |     |                                |         |
| 1   | Support                           | 226 773 |  | 500 | Pan-head screw M4x5            | 239 549 |
| 2   | Retainer                          | 226 787 |  | 501 | Pan-head screw M4x8            | 023 579 |
| 3   | Sensor                            | 226 967 |  | 503 | Setscrew M5x6                  | 022 580 |
| 4   | Angle                             | 222 882 |  | 504 | Dowel pin 4x16                 | 020 660 |
| 10* | Cable of needle detector complete | 224 655 |  | 505 | Compression spring 4,3x0,45x10 | 021 398 |



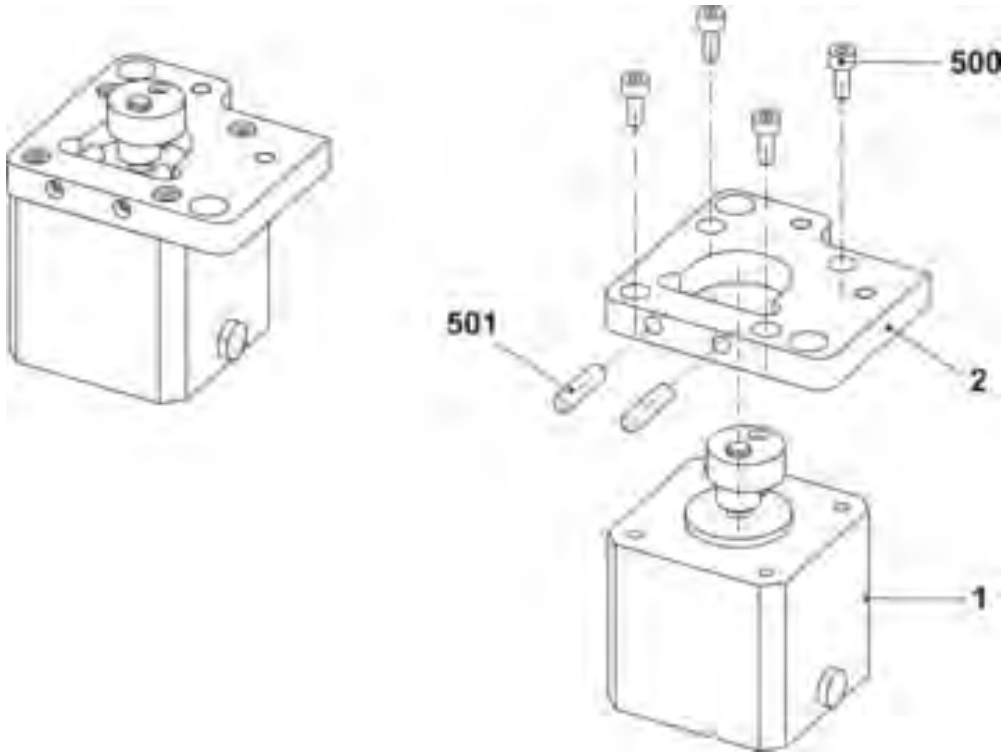
5.16 Brush holder

| Pos | Designation                                                | ID      |  | Pos | Designation                  | ID      |
|-----|------------------------------------------------------------|---------|--|-----|------------------------------|---------|
| Σ   | Brush holder complete<br>E6.2   E7.2   E6.2(12)   E7.2(14) | 220 065 |  |     |                              |         |
| 1   | Brush holder                                               | 219 423 |  | 500 | Countersunk head screw M4x12 | 023 062 |
| 2   | Brush clamp                                                | 213 010 |  | 501 | Hexagon nut M8x5             | 020 856 |
| 3   | Threaded rod                                               | 209 740 |  | 502 | Shim ring 5x10x0,5           | 023 348 |
| 4   | Brush                                                      | 212 854 |  | 503 | Locking ring5x0,6            | 023 347 |



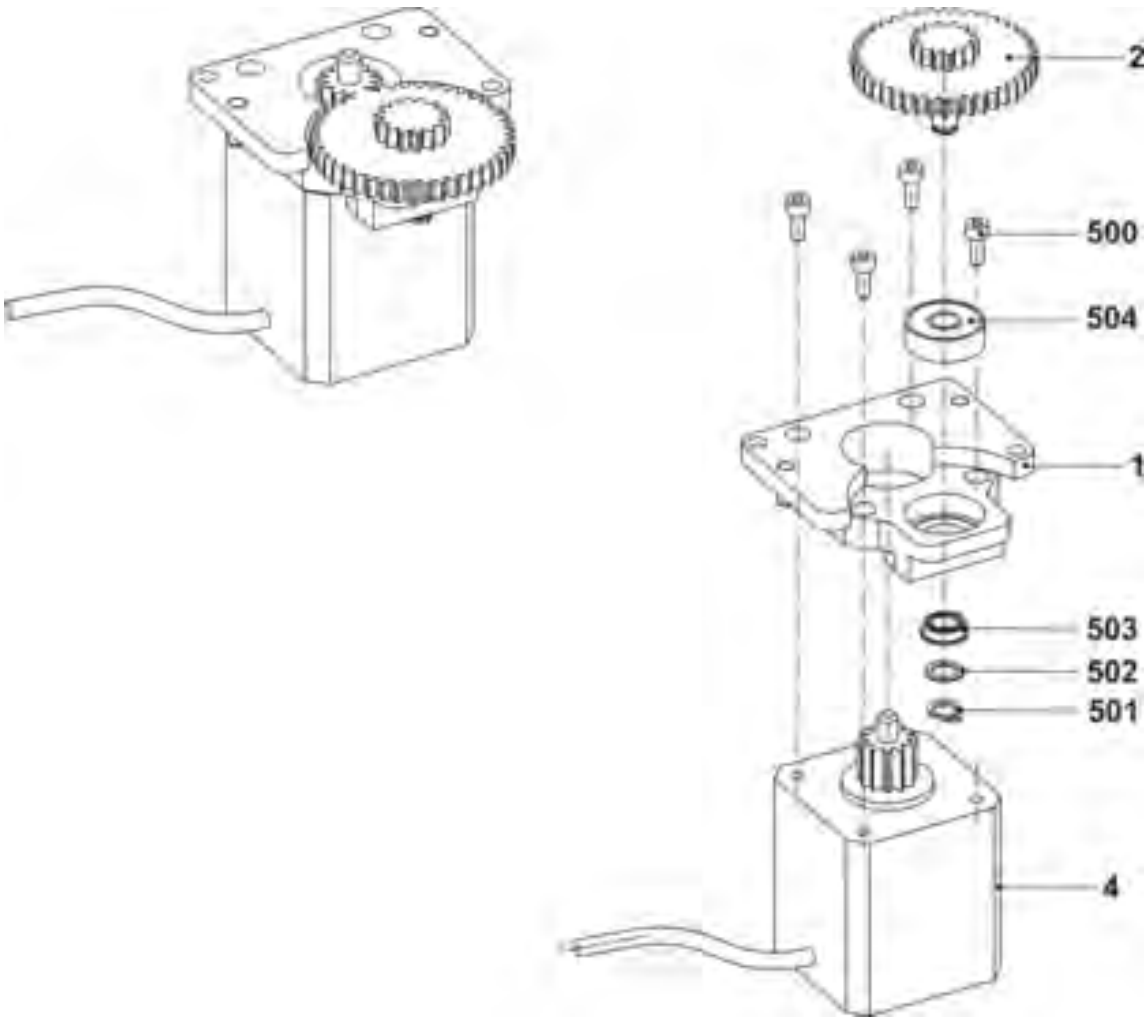
5.17 Control unit brush

| Pos | Designation        | ID      |  | Pos | Designation    | ID      |
|-----|--------------------|---------|--|-----|----------------|---------|
| Σ   | Control unit brush | 224 631 |  |     |                |         |
| 1   | Motor complete     | 224 628 |  | 500 | Cap screw M3x8 | 022 582 |
| 2   | Motor plate        | 224 619 |  | 501 | Setscrew M4x16 | 023 586 |



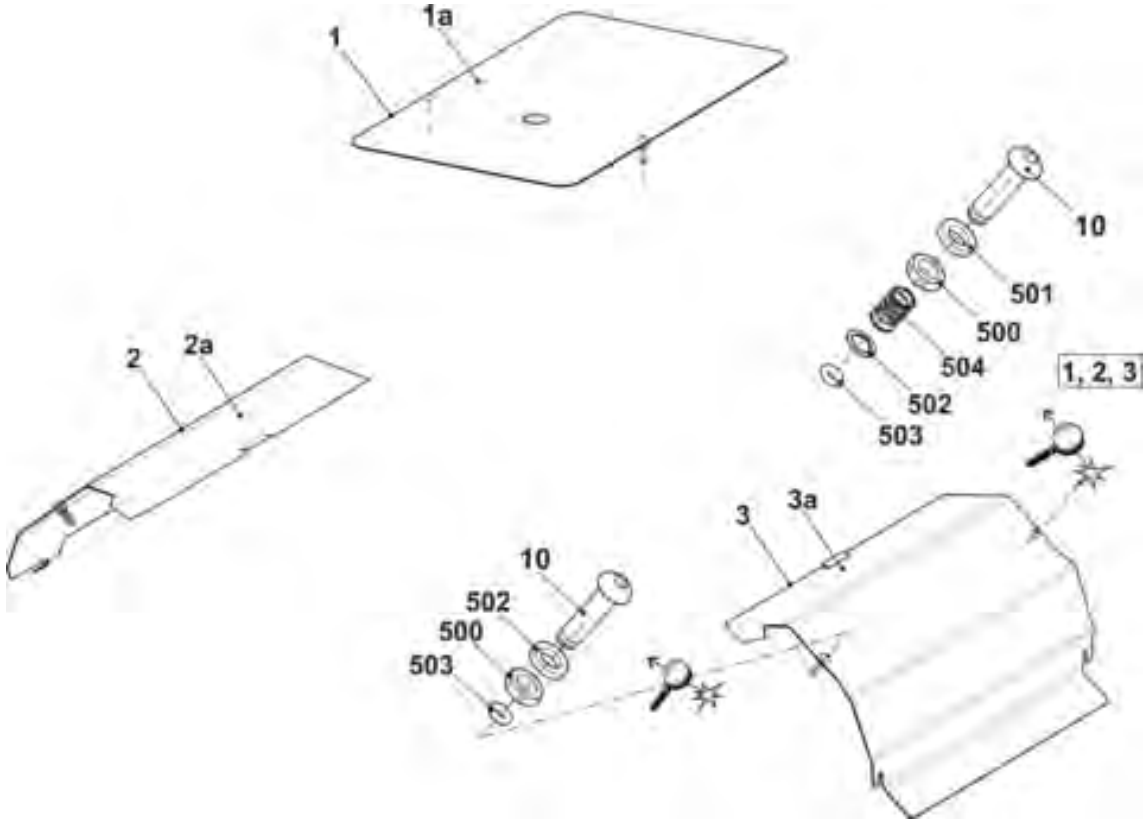
5.18 Control unit holding-down jack

| Pos | Designation                    | ID      |  | Pos | Designation                          | ID      |
|-----|--------------------------------|---------|--|-----|--------------------------------------|---------|
| Σ   | Control unit Holding-down jack | 223 380 |  |     |                                      |         |
| 1   | Motor plate on the right       | 222 837 |  | 501 | Locking ring 6x0,7                   | 023 298 |
| 2   | Gear wheels                    | 225 908 |  | 502 | Disk6,1x9x0,5                        | 023 554 |
| 4   | Motor pre-assembled            | 220 071 |  | 503 | Grooved ball bearing MF106HZZ-6x10x3 | 023 533 |
| 500 | Cap screw M3x8                 | 022 582 |  | 504 | Grooved ball bearing 626-2RS         | 023 587 |

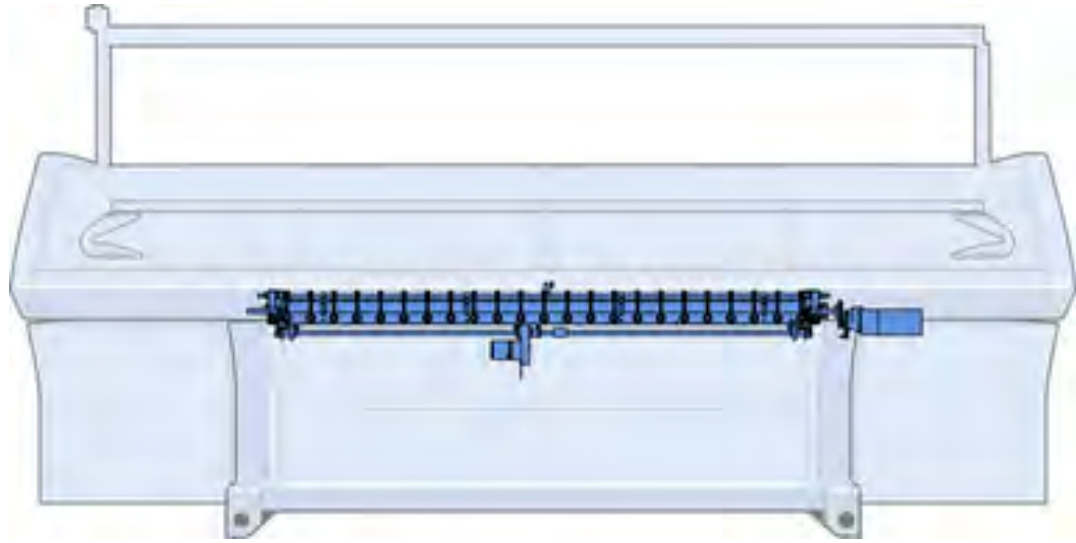


5.19 Carriage cover

| Pos | Designation                                    | ID      | Pos | Designation                        | ID      |
|-----|------------------------------------------------|---------|-----|------------------------------------|---------|
| 1   | Carriage cover at the top 3 cam boxes complete | 257 100 | 10  | Locating bolt                      | 242 382 |
|     | 1a Carriage cover at the top 3 cam boxes 6Z    | 256 510 | 500 | Hexagon nut M6                     | 257 088 |
| 2   | Carriage cover at the rear completeX30T        | 257 165 | 501 | Washer6.1x9x0,5                    | 023 554 |
|     | 2a Carriage cover at the rearX30T              | 256 766 | 502 | Serrated lock washer 6,4           | 022 385 |
| 3   | Carriage cover at the front completeX30T       | 257 164 | 503 | O-ring 3x2                         | 242 420 |
|     | 3a Carriage cover at the front X30T            | 256 765 | 504 | Compression spring 0,48x7,02x17,29 | 023 654 |



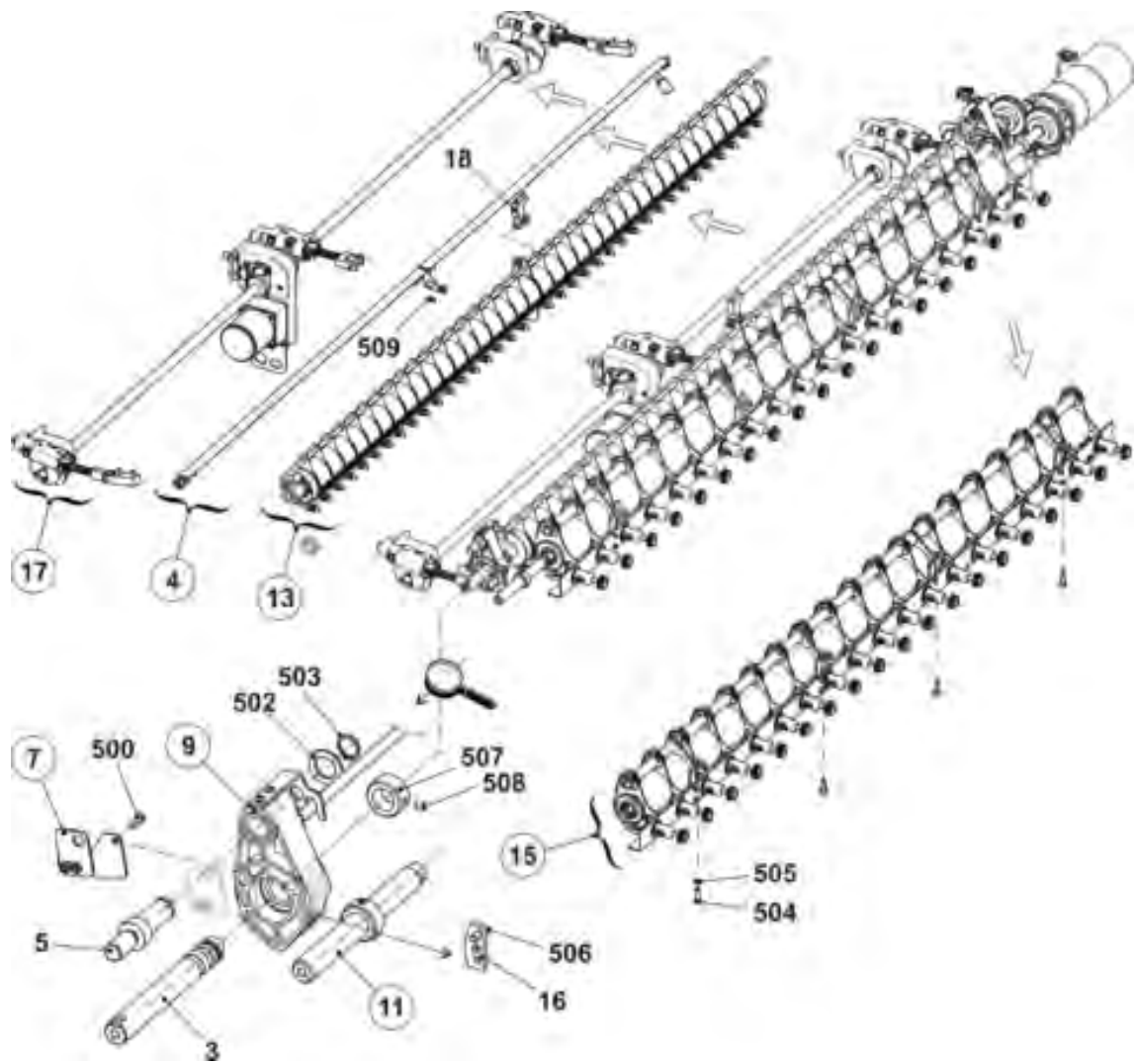
## 6 Main take-down



6.1 Take-down rollers and left bearing

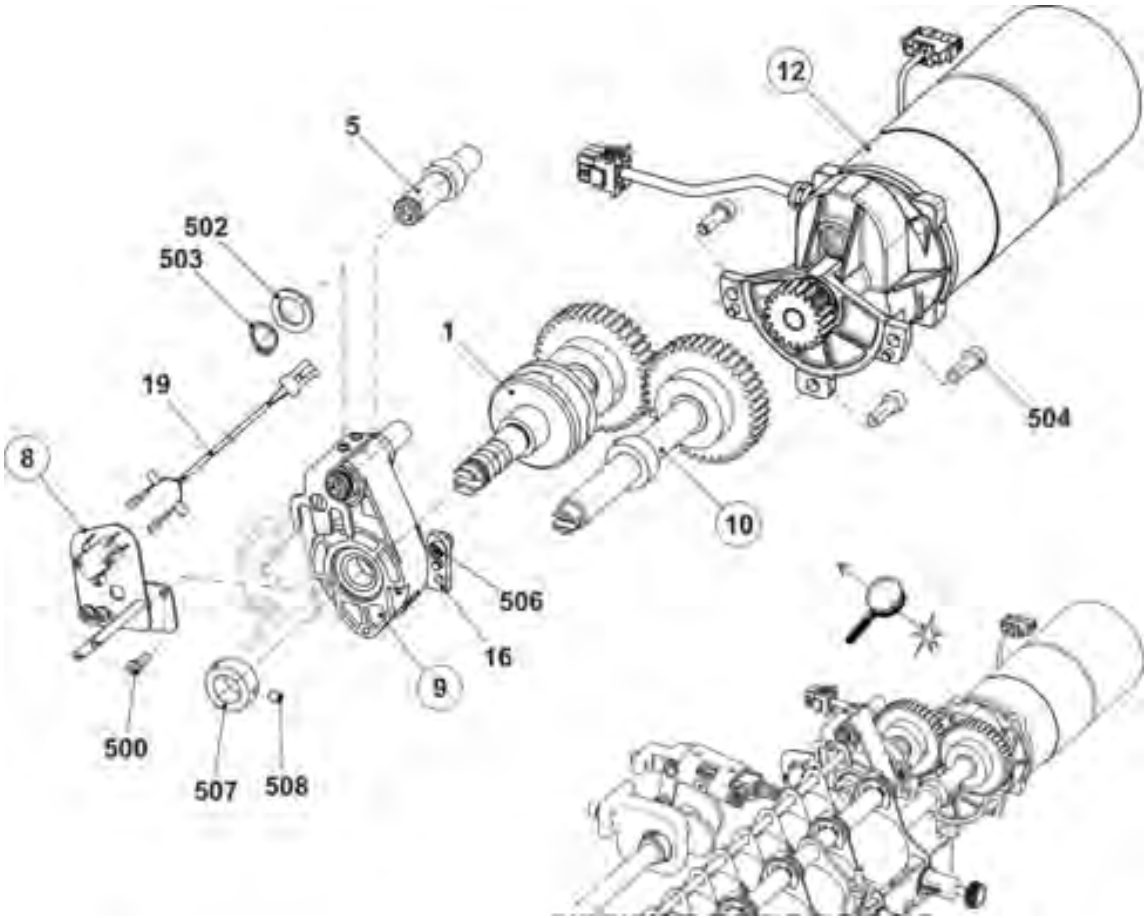
6.1 Take-down rollers and left bearing

| Pos | Designation                                   | ID      | Pos | Designation                          | ID      |
|-----|-----------------------------------------------|---------|-----|--------------------------------------|---------|
| Σ   | Main take-down                                |         | 17  | Main take-down on / off complete 72" | 253 935 |
| 3   | Shaft on the left at the rear                 | 221 012 | 18  | Bearing block in the middle complete | 237 357 |
| 4   | Stripper angle at the rear complete           | 260 440 | 500 | Screw 50x15                          | 251 728 |
| 5   | Bolts                                         | 208 538 | 502 | Washer18                             | 023 295 |
| 7   | Mounting plate on the left complete           | 231 725 | 503 | Locking ring18x1,2                   | 020 955 |
| 9   | Swivel-mounted bearing                        | 253 247 | 504 | Cap screw M8x25                      | 020 142 |
| 11  | Full floating axle on the left                | 235 829 | 506 | Cap screw M6x12                      | 020 134 |
| 13  | Take-down roller at the rear complete E5 - 14 | 242 463 | 507 | Set collarA20                        | 020 938 |
| 15  | Take-down roller at the front complete        | 253 912 | 508 | Setscrew M6x8                        | 022 684 |
| 16  | Stop point                                    | 252 503 | 509 | Oval flange head screw M4x6          | 235 450 |



6.2 Take-down motor and right bearing

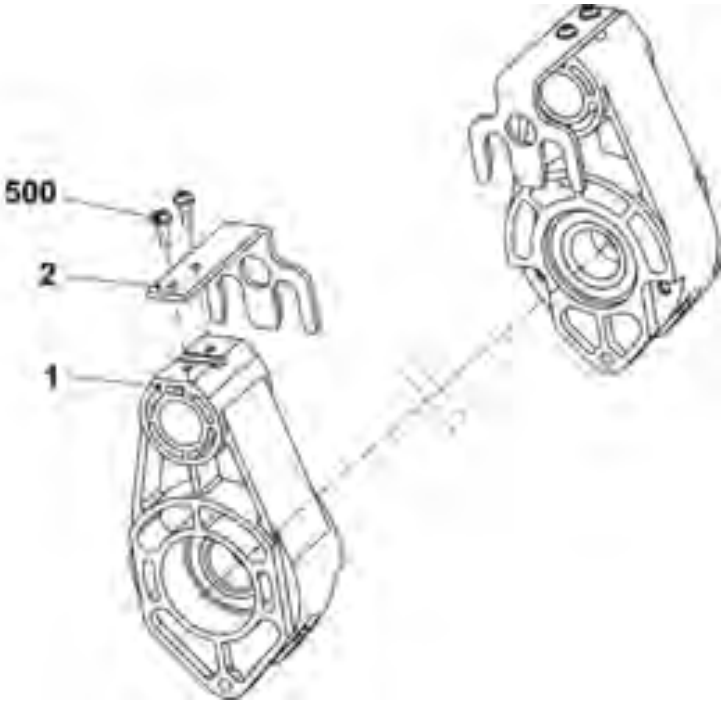
| Pos | Designation                          | Id      |  | Pos | Designation                       | Id      |
|-----|--------------------------------------|---------|--|-----|-----------------------------------|---------|
| Σ   | Main take-down (continuation)        |         |  | 19  | Connection cable winding plateOKC | 241 703 |
| 1   | Clutch set                           | 251 677 |  | 500 | Screw                             | 251 728 |
| 5   | Bolts                                | 208 538 |  | 502 | Washer18-200                      | 023 295 |
| 8   | Mounting plate on the right complete | 260 090 |  | 503 | Locking ring18x1,2                | 020 955 |
| 9   | Swivel-mounted bearing               | 253 247 |  | 504 | Cap screw M8x25-12.9              | 020 142 |
| 10  | Full floating axle on the right      | 235 830 |  | 506 | Cap screw M6x12                   | 020 134 |
| 12  | Motor take-down unit complete        | 253 803 |  | 507 | Set collarA20                     | 020 938 |
| 16  | Stop point                           | 252 503 |  | 508 | Setscrew M6x8                     | 022 684 |



6.2 Take-down motor and right bearing

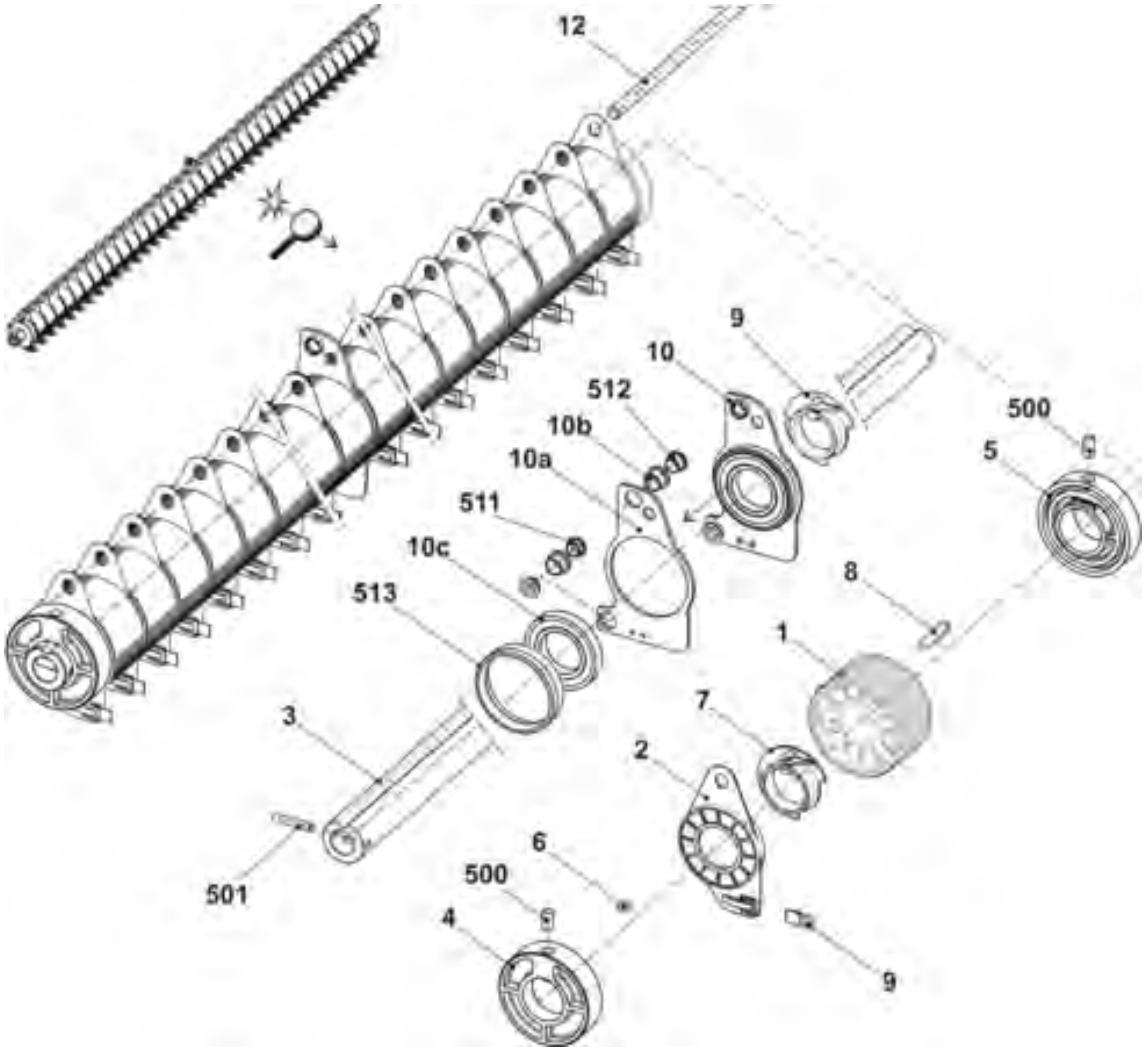
6.2.1 Swivel-mounted bearing

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



6.2.2 Rear take-down roller

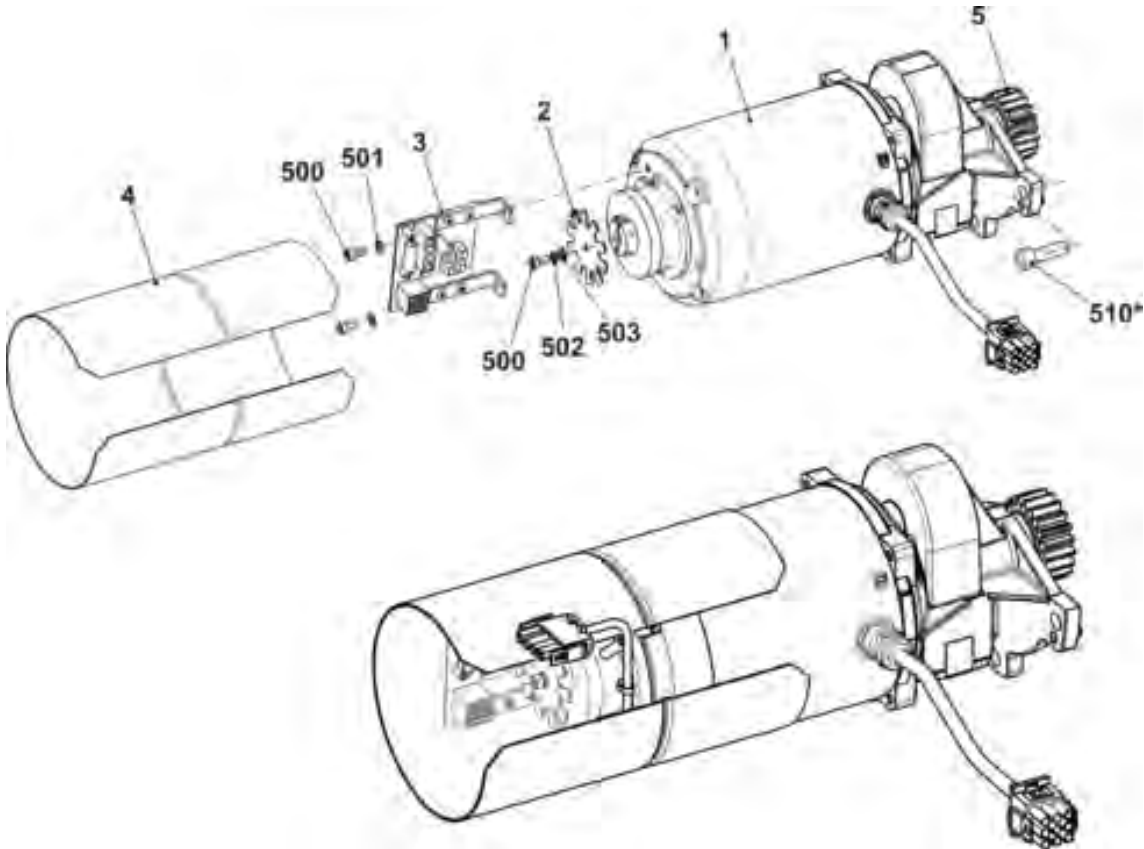
| Pos | Designation                                   | ID      | Pos | Designation                 | ID      |
|-----|-----------------------------------------------|---------|-----|-----------------------------|---------|
| Σ   | Take-down roller at the rear complete E5 – 14 | 242 463 | 10  | Support                     | 232 578 |
| 1   | Roller (E5 – 14)                              | 206 770 | 10a | Supporting plate            | 232 512 |
| 2   | Stripper                                      | 241 612 | 10b | Bearing                     | 232 571 |
| 3   | Wave                                          | 222 147 | 10c | Ring                        | 222 895 |
| 4   | Ring on the left                              | 255 830 | 510 | Grooved ball bearing 16007  | 021 697 |
| 5   | Ring on the right                             | 255 831 | 511 | Slide bearing GFM-101216-06 | 023 280 |
| 6   | Spacer slide                                  | 222 062 | 512 | Slide bearing GFM-101216-09 | 023 356 |
| 7   | Stop ring on the left                         | 204 369 | 11  | Brush                       | 225 819 |
| 8   | Spacer slide                                  | 240 104 | 12  | Rod                         | 219 218 |
| 9   | Stop ring on the left                         | 222 910 | 500 | Setscrew M8x16              | 258 910 |
|     |                                               |         | 501 | Dowel pin 6x32              | 020 685 |



6.2 Take-down motor and right bearing

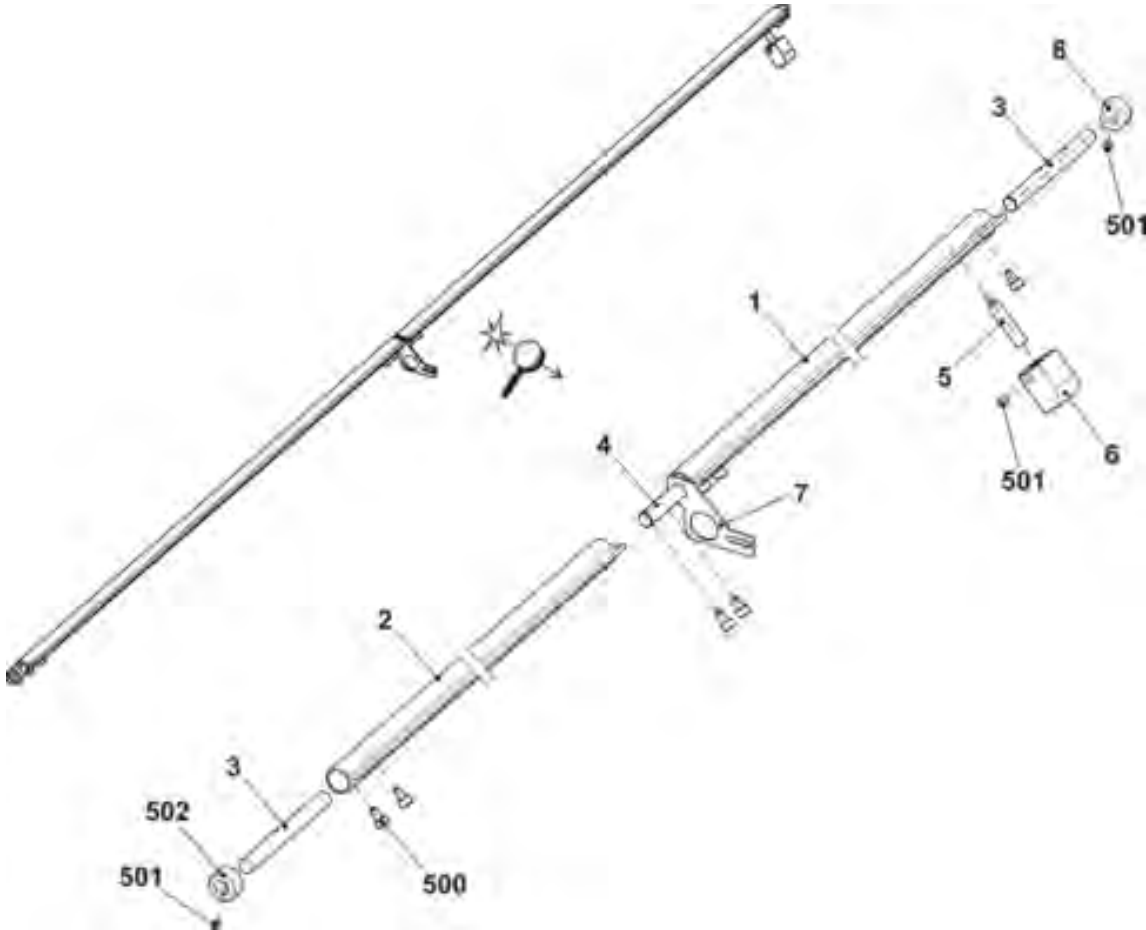
6.2.3 Impulse sensor and motor

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



6.2.4 Stripper angle

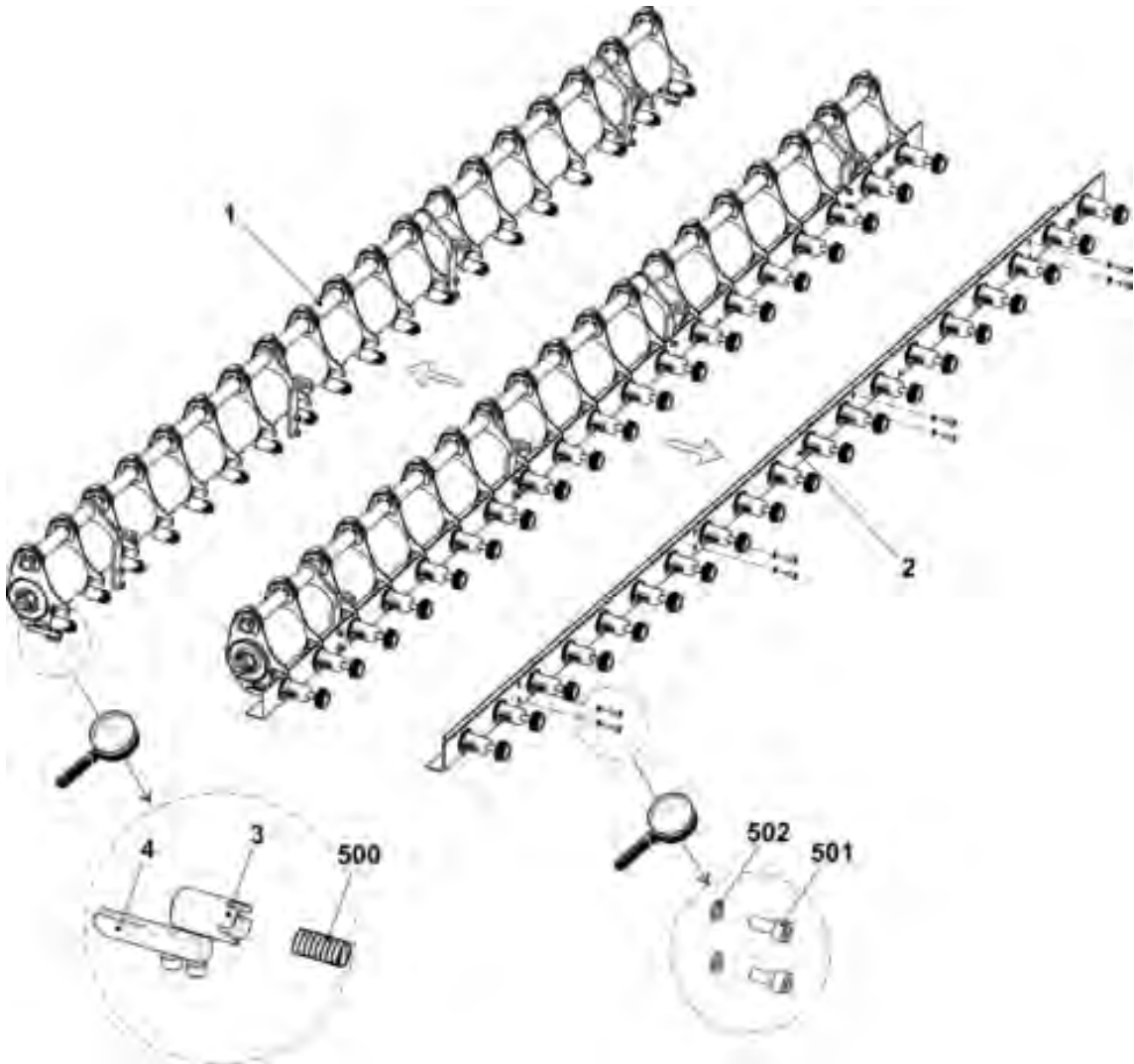
| Pos | Designation                         | ID      |  | Pos | Designation       | ID      |
|-----|-------------------------------------|---------|--|-----|-------------------|---------|
| Σ   | Stripper angle at the rear complete | 260 440 |  | 6   | Adjustment weight | 260 426 |
| 1   | Stripper angle on the right         | 259 978 |  | 7   | Bracket           | 260 060 |
| 2   | Stripper angle on the left          | 259 979 |  | 8   | Cam               | 260 109 |
| 3   | Axle                                | 259 969 |  | 500 | Cap screw M5x8    | 023 319 |
| 4   | Axle                                | 259 970 |  | 501 | Setscrew M5x6     | 022 738 |
| 5   | Bolts                               | 228 310 |  | 502 | Set collar        | 020 934 |



6.2 Take-down motor and right bearing

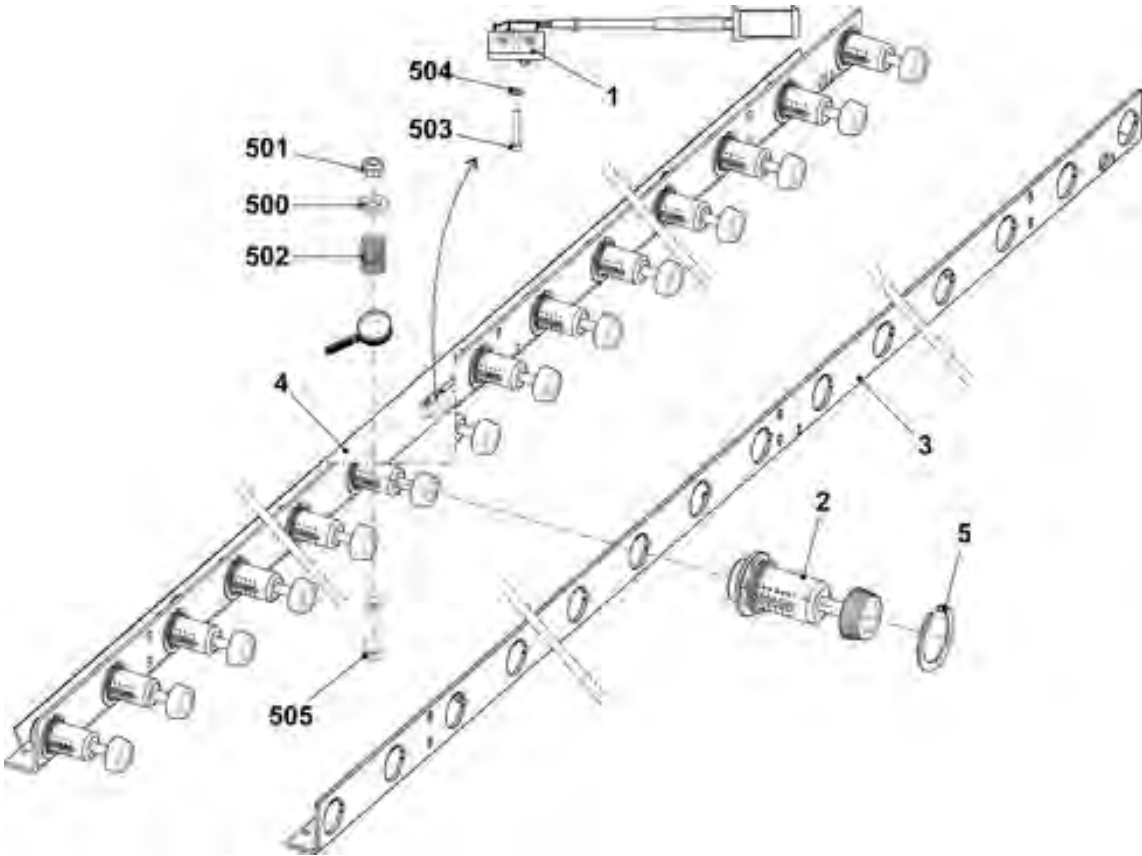
6.2.5 Front take-down roller

| Pos | Designation                            | Id      |  | Pos | Designation                | Id      |
|-----|----------------------------------------|---------|--|-----|----------------------------|---------|
| Σ   | Take-down roller at the front complete | 253 912 |  | 4   | Locating piece             | 221 935 |
| 1   | Take-down roller at the front          | 253 902 |  | 500 | Compression spring 1x10x30 | 023 741 |
| 2   | Angle rail complete                    | 241 828 |  | 501 | Cap screw M5x12            | 020 132 |
| 3   | Pressure sleeve                        | 220 911 |  | 502 | Washer5-200                | 020 880 |



6.2.5.1 Pressure angle rail

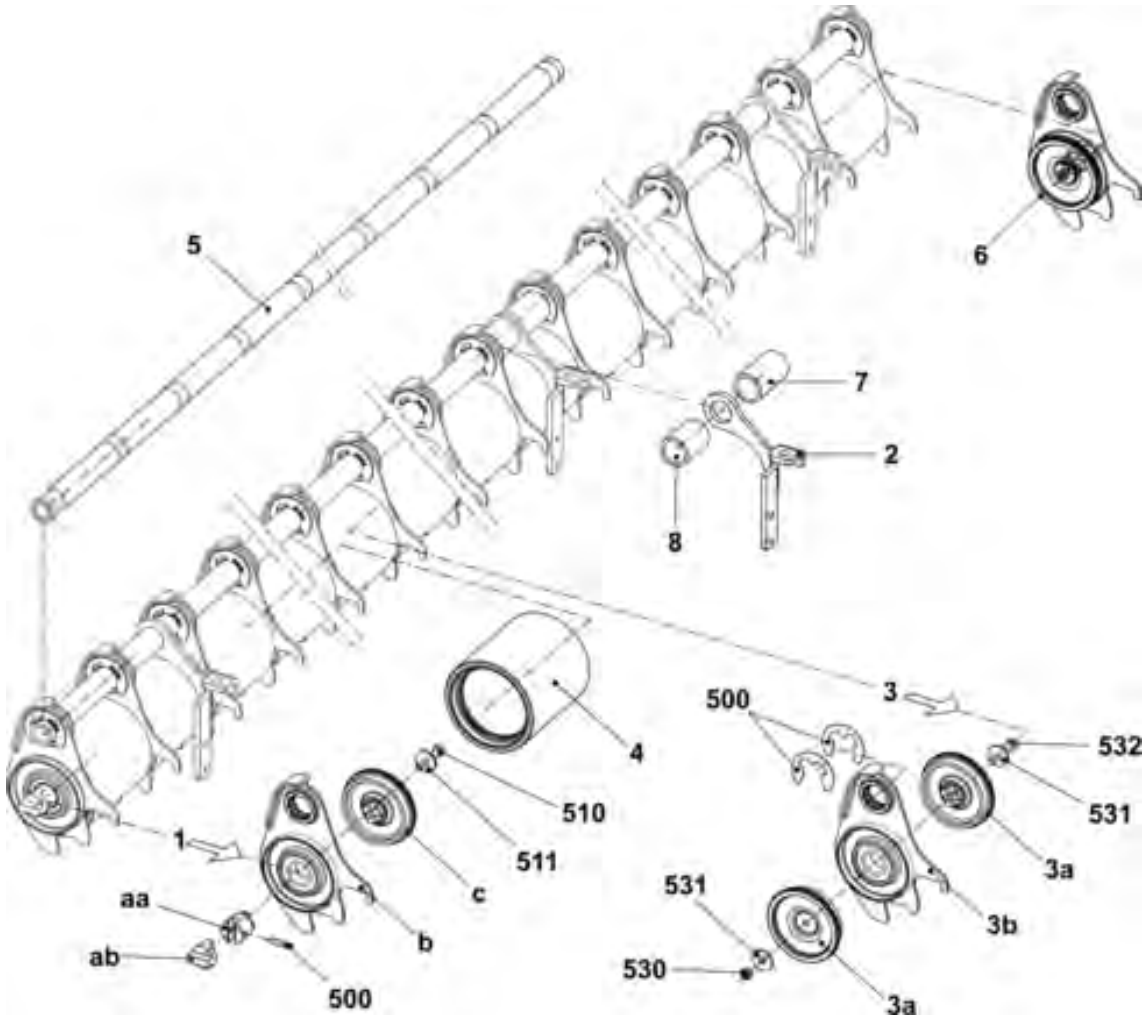
| Pos | Designation                | Id      |  | Pos | Designation                     | Id      |
|-----|----------------------------|---------|--|-----|---------------------------------|---------|
| Σ   | Angle rail complete        | 241 828 |  | 500 | Washer6                         | 022 431 |
| 1   | Switch complete with cable | 221 265 |  | 501 | Hexagon nut M5-8                | 023 541 |
| 2   | Spring flange              | 242 327 |  | 502 | Compression spring 0,8x9,2x27,5 | 023 537 |
| 3   | Angle rail                 | 241 774 |  | 503 | Cap screw M2x12                 | 023 522 |
| 4   | Winding plate              | 222 105 |  | 504 | Washer2-200                     | 022 908 |
| 5   | Locking ring               | 242 325 |  | 505 | Shoulder screw M5x20x5          | 023 675 |



6.2 Take-down motor and right bearing

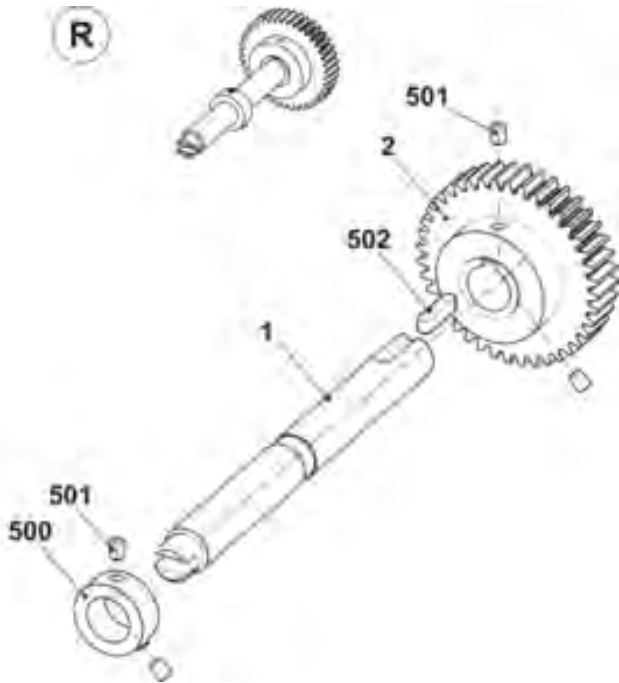
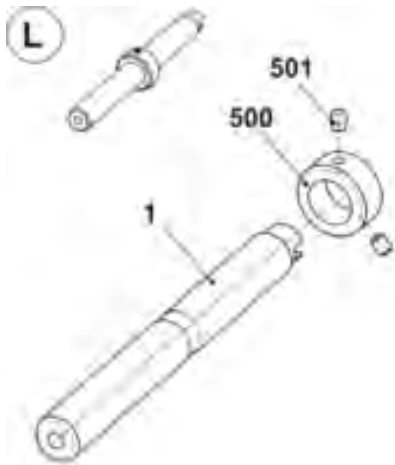
6.2.5.2 Front roller elements

| Pos | Designation                          |                          | Id      |  | Pos | Designation                           |                          | Id      |         |
|-----|--------------------------------------|--------------------------|---------|--|-----|---------------------------------------|--------------------------|---------|---------|
| Σ   | Take-down roller at the front        |                          | 253 902 |  |     |                                       |                          |         |         |
| 1   | Bearing support on the left complete |                          | 221 225 |  | 3   | 532                                   | Cap screw M5x30          |         | 022 396 |
|     | aa                                   | adaptor                  | 221 132 |  | 4   | Roller                                |                          |         | 220 905 |
|     | ab                                   | Universal joint          | 221 137 |  | 5   | Tube                                  |                          |         | 222 151 |
|     | b                                    | Bearing support          | 220 913 |  | 6   | Bearing support on the right complete |                          |         | 221 240 |
|     | c                                    | Gear wheel               | 220 910 |  |     | aa                                    | adaptor                  | 221 132 |         |
|     | 510                                  | Cap screw M5x20          | 020 133 |  |     | ab                                    | Universal joint          | 221 137 |         |
|     | 511                                  | Washer5-100hv            | 023 542 |  |     | b                                     | Bearing support          | 220 913 |         |
|     | 500                                  | Spring dowel sleeve 4x20 | 023 551 |  |     | c                                     | Gear wheel               | 220 910 |         |
| 510 |                                      |                          |         |  |     | Cap screw M5x20                       | 020 133                  |         |         |
| 511 |                                      |                          |         |  |     | Washer5-100hv                         | 023 542                  |         |         |
| 2   | Support                              |                          | 251 557 |  |     | 500                                   | Spring dowel sleeve 4x20 |         |         |
| 3   | Bearing support complete             |                          | 221 241 |  | 7   | Spacer pipe on the right              |                          |         | 253 407 |
|     | 3b                                   | Bearing support          | 220 913 |  | 8   | Spacer pipe on the left               |                          |         | 253 408 |
|     | 3a                                   | Gear wheel               | 220 910 |  | 500 | Circlip                               |                          |         | 021 025 |
|     | 530                                  | Hexagon nut M5-8         | 023 541 |  |     |                                       |                          |         |         |
|     | 531                                  | Washer5-100hv            | 023 542 |  |     |                                       |                          |         |         |



6.2.6 Full floating axle

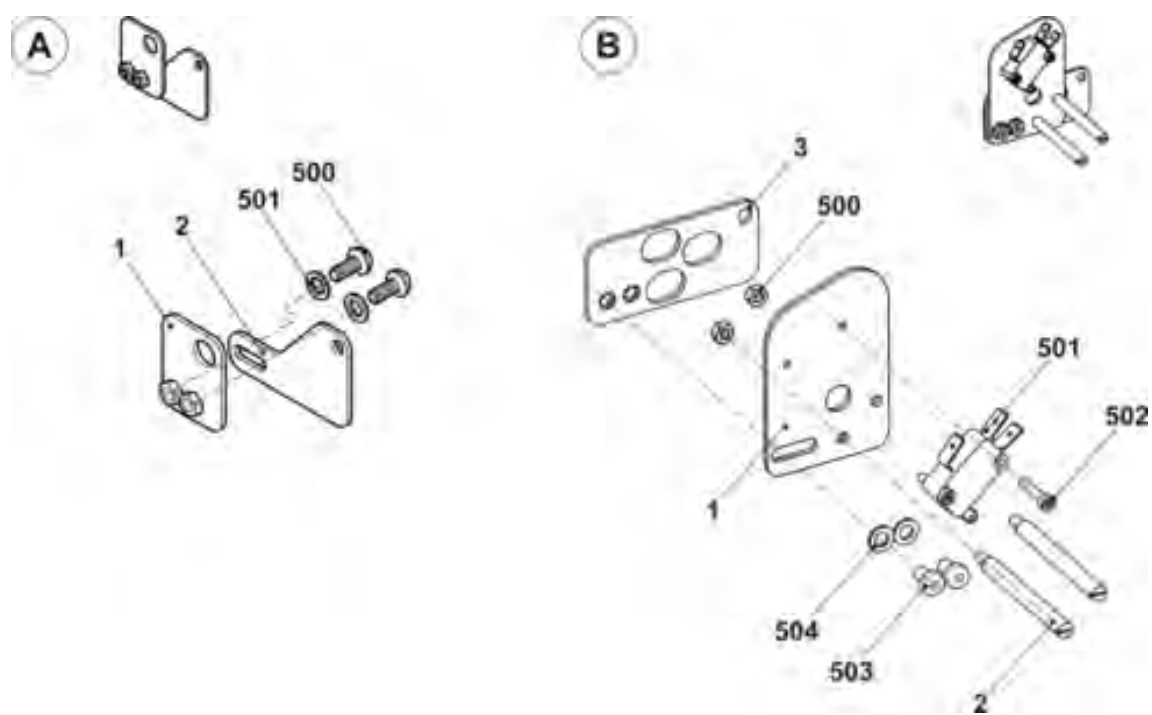
| Pos | Designation                    | Id      |  | Pos | Designation                     | Id      |
|-----|--------------------------------|---------|--|-----|---------------------------------|---------|
| Σ L | Full floating axle on the left | 235 829 |  | Σ R | Full floating axle on the right | 235 830 |
| 1   | Shaft on the left at the front | 235 827 |  | 1   | Shaft on the right in front     | 235 826 |
| 500 | Set collar                     | 020 938 |  | 2   | Gear wheel Z=40, M=2            | 213 744 |
| 501 | Setscrew M6x8                  | 022 684 |  | 500 | Set collar                      | 020 938 |
|     |                                |         |  | 501 | Setscrew M6x8                   | 022 684 |
|     |                                |         |  | 502 | Feather key A 6x6x25            | 023 017 |



6.2 Take-down motor and right bearing

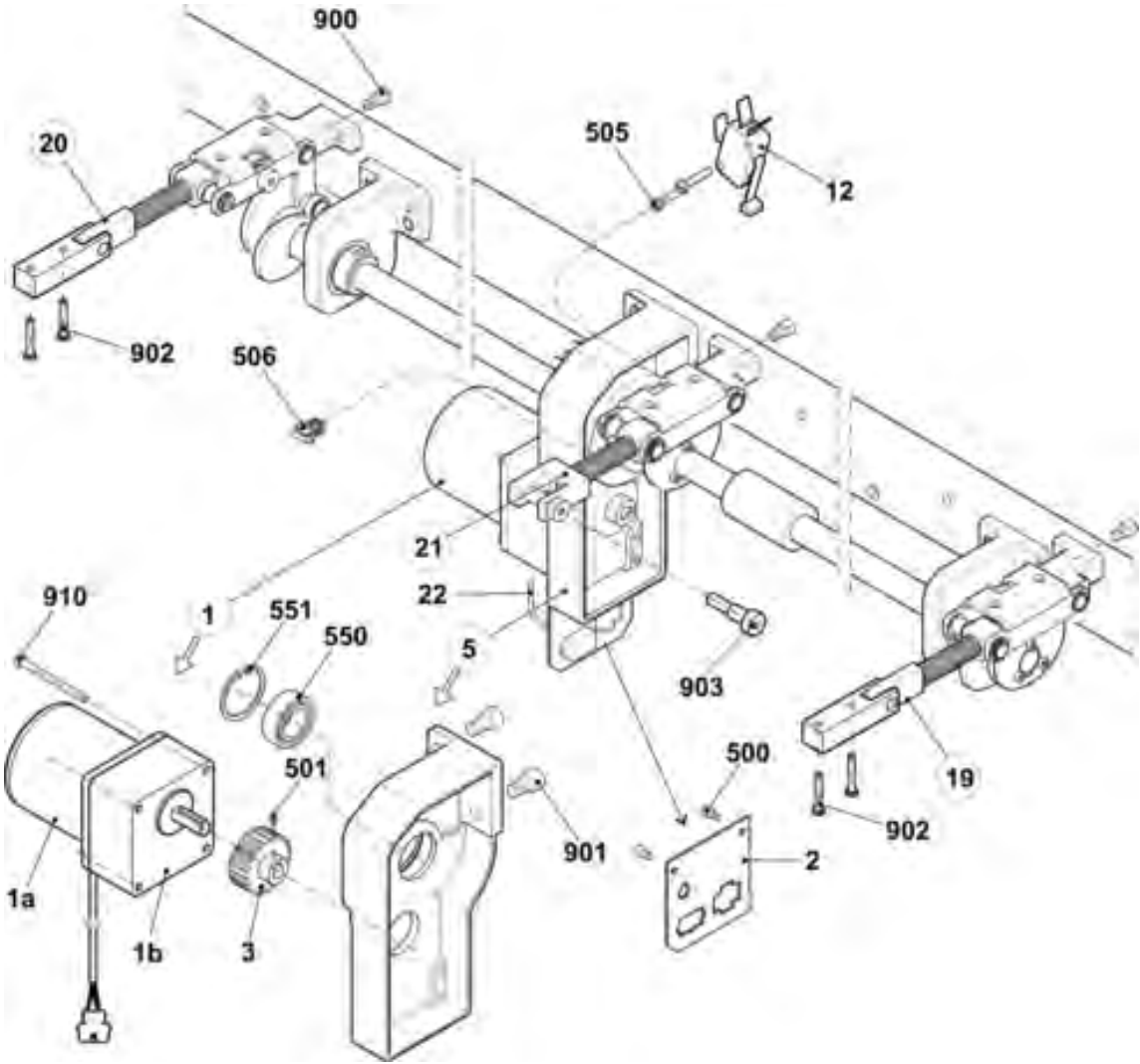
6.2.7 Mounting plate

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



6.3 Take-down closing device

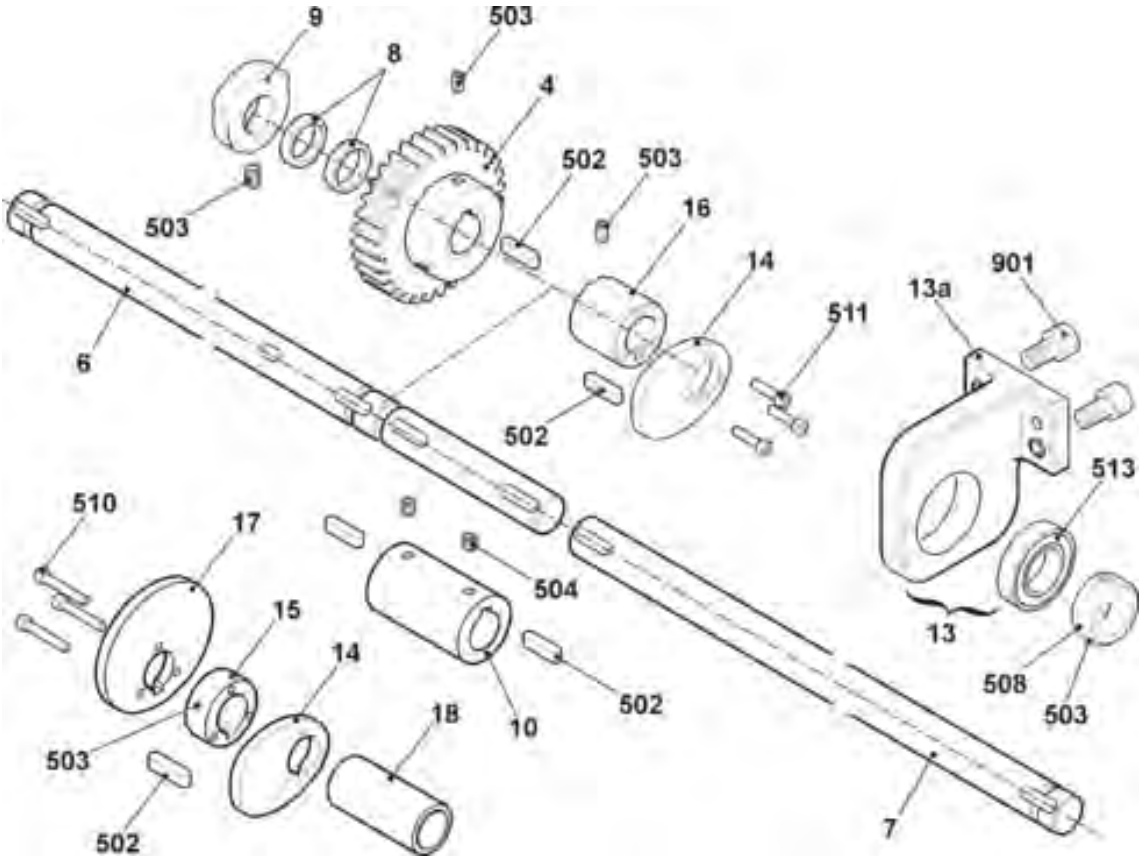
| Pos | Designation                          | Id      | Pos | Designation                          | Id      |
|-----|--------------------------------------|---------|-----|--------------------------------------|---------|
| Σ   | Main take-down on / off complete     | 253 935 |     |                                      |         |
| 1   | Motor complete                       | 235 246 | 20  | Swivel holder on the left complete   | 253 388 |
|     | 1a Motor 25W                         | 232 456 | 21  | Swivel holder in the middle complete | 239 188 |
|     | 1b Gear unit                         | 234 983 | 22  | Cable switch HAAB open               | 232 442 |
|     | 910 Cap screw M5x55                  | 023 321 | 500 | Cap screw M5x8                       | 023 319 |
| 2   | Sheet metal                          | 232 992 | 501 | Setscrew M4x4                        | 022 875 |
| 3   | Gear wheel                           | 232 434 | 505 | Cap screw M3x15                      | 020 009 |
| 5   | Support in the middle complete       | 235 247 | 506 | Assembling element                   | 209 543 |
|     | 550 Grooved ball bearing 6004-2Z     | 022 720 | 900 | Cap screw M6x14                      | 022 658 |
|     | 551 Locking ring42x1,75              | 023 293 | 901 | Cap screw M10x16                     | 023 895 |
| 12  | Microswitch XGK2-S21 250 VAC         | 210 510 | 902 | Screw 50x30                          | 253 257 |
| 19  | Swivel support on the right complete | 253 389 | 903 | Cap screw 10x25                      | 023 751 |



6.3 Take-down closing device

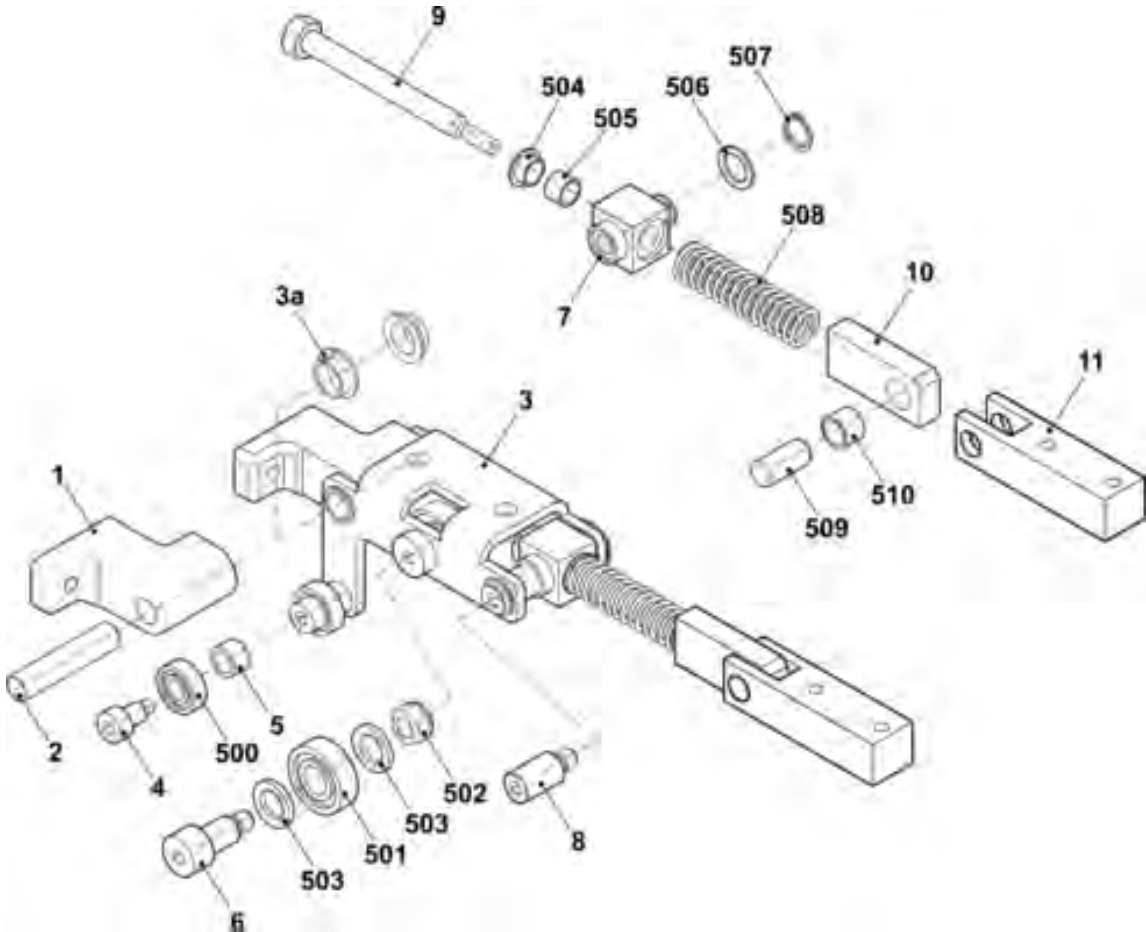
6.3.1 Closer shaft

| Pos | Designation                      | Id      |  | Pos | Designation                  | Id      |
|-----|----------------------------------|---------|--|-----|------------------------------|---------|
| Σ   | Main take-down on / off complete | 253 935 |  | 16  | Guide bush                   | 235 623 |
| 4   | Gear wheel                       | 213 744 |  | 17  | Eccentric                    | 232 382 |
| 6   | Wave                             | 235 618 |  | 18  | Spacer pipe                  | 235 128 |
| 7   | Wave                             | 235 619 |  | 502 | Feather key A 6x6x25         | 023 017 |
| 8   | Threaded spacer                  | 232 385 |  | 503 | Setscrew M6x8                | 023 723 |
| 9   | Trip cam                         | 232 383 |  | 504 | Setscrew M6x5                | 023 192 |
| 10  | Coupling                         | 232 604 |  | 508 | Set collarA20                | 020 938 |
| 13  | Support on the outside complete  | 235 248 |  | 510 | Cap screw M4x25              | 023 302 |
| 13a | Support                          | 234 780 |  | 511 | Cap screw M4x14              | 023 604 |
| 14  | Eccentric                        | 235 135 |  | 513 | Grooved ball bearing 6004-2Z | 022 720 |
| 15  | Guide bush                       | 234 876 |  | 901 | Cap screw M10x16             | 023 895 |



6.3.2 Right swivel support

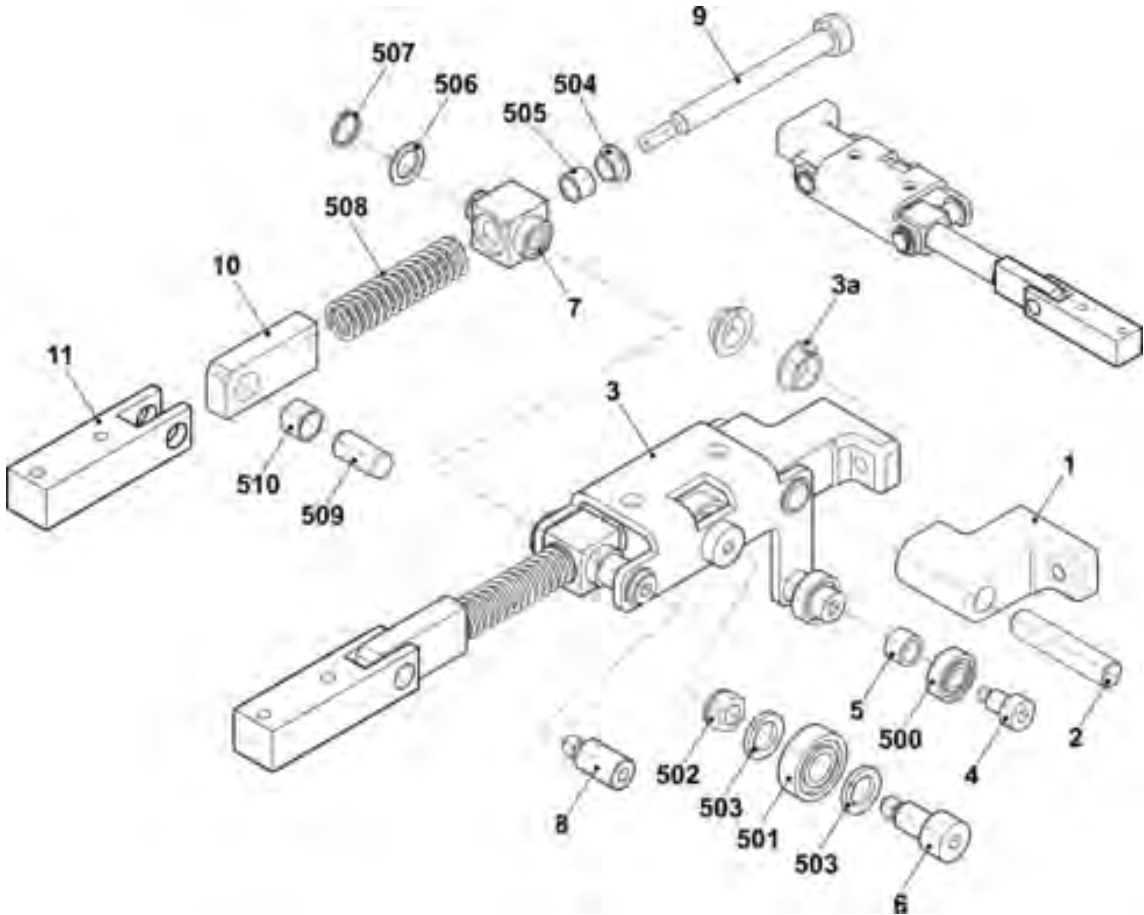
| Pos | Designation                          | Id                        |         | Pos | Designation                      | Id      |
|-----|--------------------------------------|---------------------------|---------|-----|----------------------------------|---------|
| Σ   | Swivel support on the right complete | 253 389                   |         | 11  | Lever                            | 253 199 |
| 1   | Support                              | 239 163                   |         | 500 | Grooved ball bearing 619/8-2RS   | 023 728 |
| 2   | Bearing pin                          | 239 164                   |         | 501 | Grooved ball bearing 6000-2Z     | 022 599 |
| 3   | Bow                                  | 238 974                   |         | 502 | Hexagon nut M8-8                 | 022 843 |
|     | 3a                                   | Clip bearing 11-MCM-12-04 | 023 639 | 503 | Shim ring 10x16x2                | 023 600 |
| 4   | Shoulder screw                       | 239 133                   |         | 504 | Slide bearing GFM-081014-06      | 023 358 |
| 5   | Threaded spacer                      | 239 134                   |         | 505 | Slide bearing GSM-0810-10        | 023 896 |
| 6   | Shoulder screw                       | 239 132                   |         | 506 | Shim ring 12x18x1                | 023 315 |
| 7   | Swivel-mounted bearing               | 239 100                   |         | 507 | Locking ring 12x1                | 020 951 |
| 8   | Bearing bolt                         | 239 117                   |         | 508 | Compression spring 2,5x12,5x67,5 | 023 743 |
| 9   | Spring mandrel on the inside         | 232 388                   |         | 509 | Dowel pin 10x20                  | 023 616 |
| 10  | Lever                                | 238 370                   |         | 510 | Slide bearing GSM-1012-10        | 239 178 |



6.3 Take-down closing device

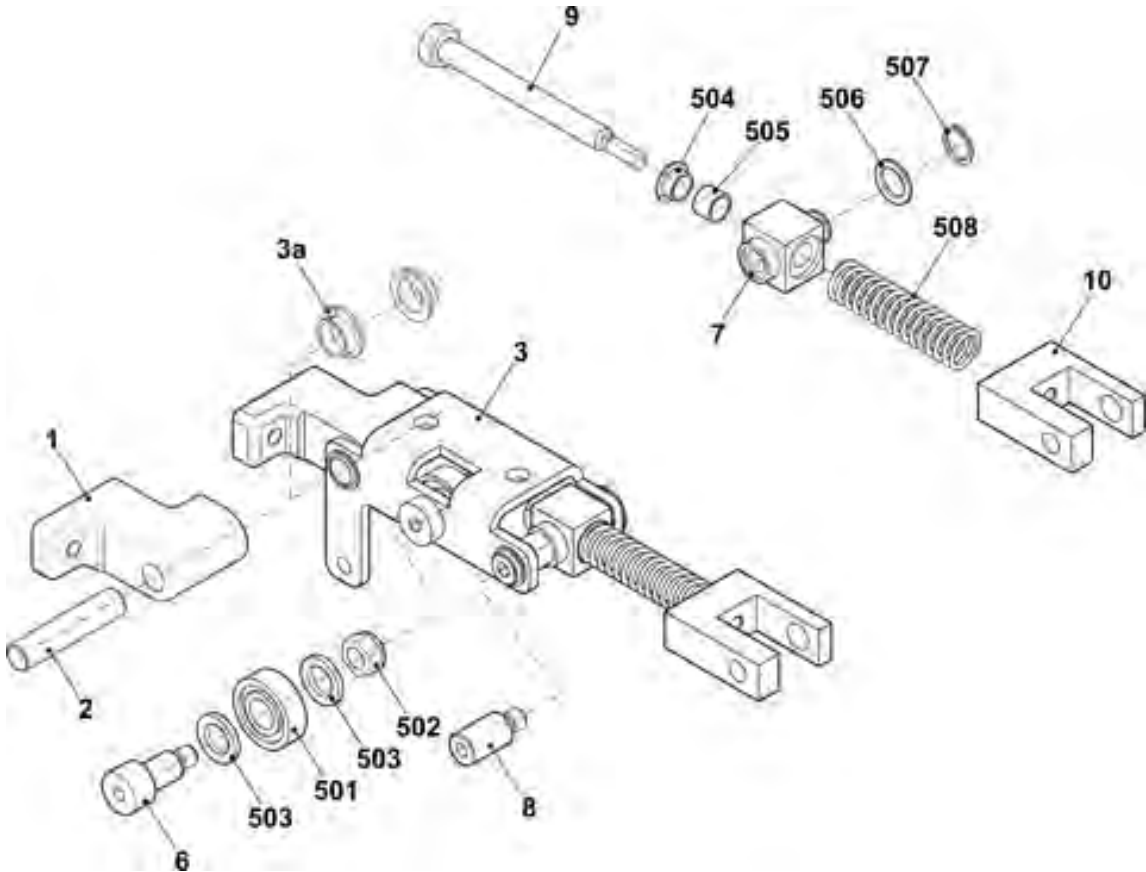
6.3.3 Left swivel holder

| Pos | Designation                        | Id      |  | Pos | Designation                      | Id      |
|-----|------------------------------------|---------|--|-----|----------------------------------|---------|
| Σ   | Swivel holder on the left complete | 253 388 |  | 11  | Lever                            | 253 199 |
| 1   | Support                            | 239 163 |  | 500 | Grooved ball bearing 619/8-2RS   | 023 728 |
| 2   | Bearing pin                        | 239 164 |  | 501 | Grooved ball bearing 6000-2Z     | 022 599 |
| 3   | Bow on the left                    | 239 184 |  | 502 | Hexagon nut M8-8                 | 022 843 |
| 3a  | Clip bearing 11-MCM-12-04          | 023 639 |  | 503 | Shim ring 10x16x2                | 023 600 |
| 4   | Shoulder screw                     | 239 133 |  | 504 | Slide bearing GFM-081014-06      | 023 358 |
| 5   | Threaded spacer                    | 239 134 |  | 505 | Slide bearing GSM-0810-10        | 023 896 |
| 6   | Shoulder screw                     | 239 132 |  | 506 | Shim ring 12x18x1                | 023 315 |
| 7   | Swivel-mounted bearing             | 239 100 |  | 507 | Locking ring 12x1                | 020 951 |
| 8   | Bearing bolt                       | 239 117 |  | 508 | Compression spring 2,5x12,5x67,5 | 023 743 |
| 9   | Spring mandrel on the inside       | 232 388 |  | 509 | Dowel pin 10x20                  | 023 616 |
| 10  | Lever                              | 238 370 |  | 510 | Slide bearing GSM-1012-10        | 239 178 |



6.3.4 Swivel holder in the middle

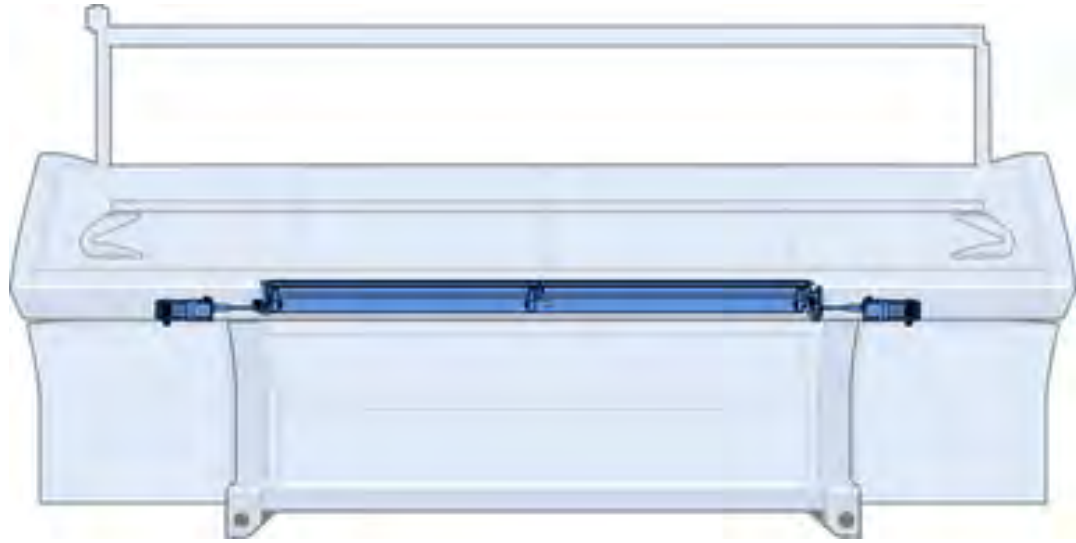
| Pos | Designation                          | Id                        |         | Pos | Designation                      | Id      |
|-----|--------------------------------------|---------------------------|---------|-----|----------------------------------|---------|
| Σ   | Swivel holder in the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



6.3 Take-down closing device

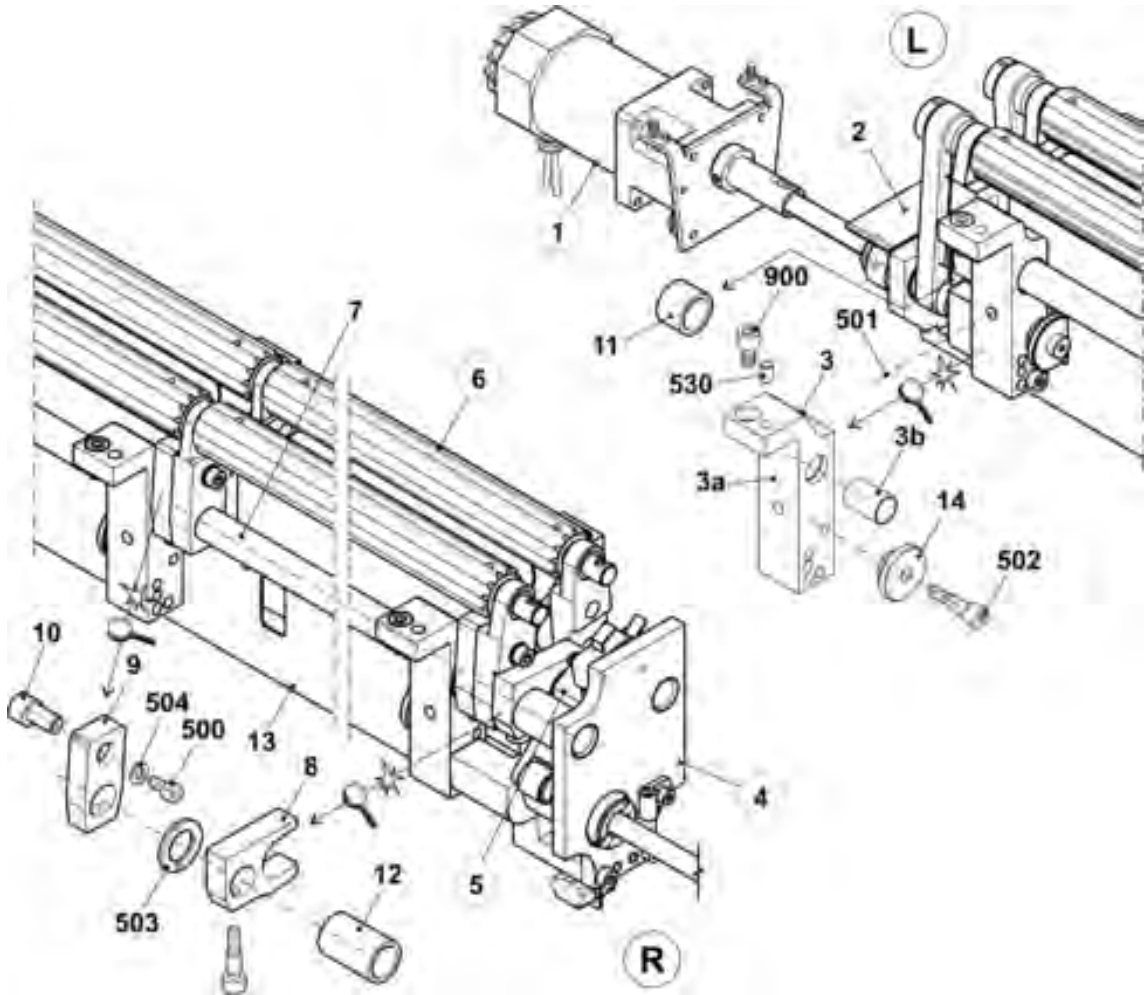
Notes:

## 7 Auxiliary take-down



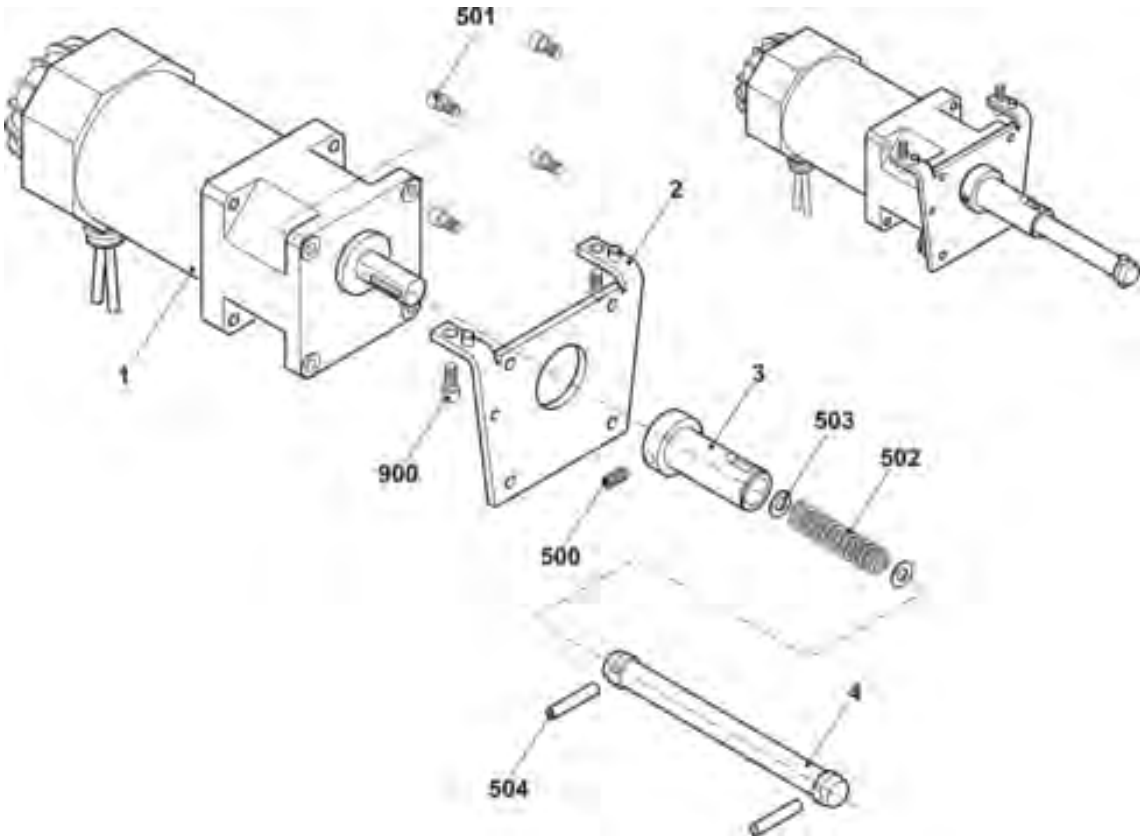
7.1 Auxiliary Take-down Values

| Pos | Designation                        | ID                        | Pos | Designation            | ID      |
|-----|------------------------------------|---------------------------|-----|------------------------|---------|
| Σ   | Auxiliary take-down complete       | 235 093                   | 9   | Clamping lever         | 235 156 |
| 1   | Motor auxiliary take-down complete | 235 602                   | 10  | Eccentric              | 236 952 |
| 2   | Bearing on the left                | 236 894                   | 11  | Spacer pipe            | 235 189 |
| 3   | Support complete                   | 235 354                   | 12  | Spacer pipe            | 235 192 |
|     | 3a                                 | Support                   | 13  | Cover plate            | 235 596 |
|     | 3b                                 | Slide bearing FSM-1517-20 | 14  | Roll                   | 235 178 |
|     | 530                                | Dowel pin 6M6x10          | 500 | Cap screw M5x10        | 022 918 |
| 4   | Bearing on the right               | 235 353                   | 501 | Pan-head screw M4x8    | 023 579 |
| 5   | Contact lever complete             | 235 356                   | 502 | Cap screw 6x10-12.9    | 235 448 |
| 6   | Take-down roller complete          | 235 601                   | 503 | Stop disk GTM-1524-015 | 235 447 |
| 7   | Contact shaft                      | 235 595                   | 504 | Disk5                  | 020 871 |
| 8   | Lever                              | 235 164                   | 900 | Cap screw M6x12        | 020 134 |



7.1.1 Motor

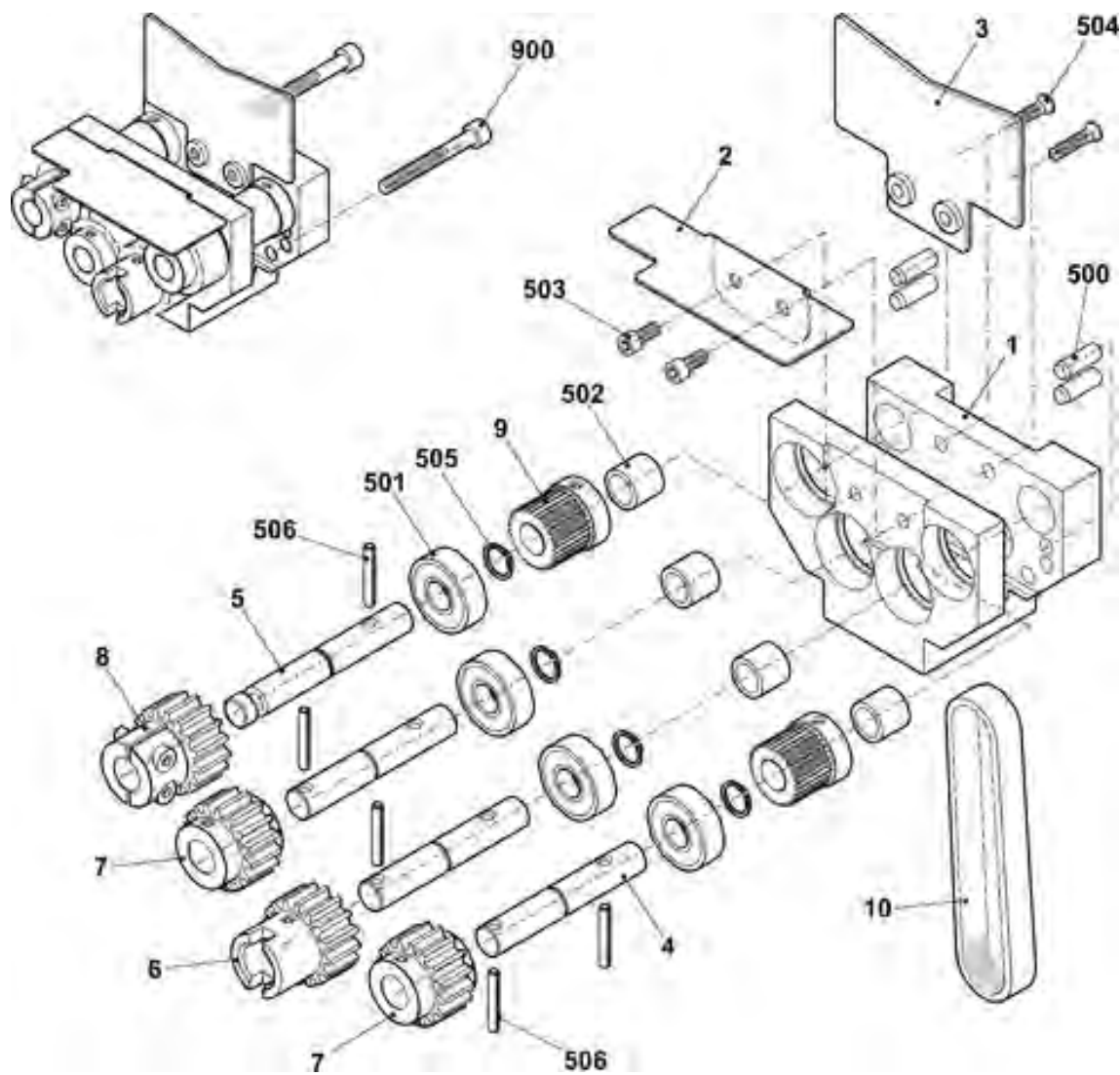
| Pos | Designation                                      | ID      |  | Pos | Designation                      | ID      |
|-----|--------------------------------------------------|---------|--|-----|----------------------------------|---------|
| Σ   | Motor with 2 phases auxiliary take-down complete | 235 602 |  |     |                                  |         |
| 1   | Motor 1,8NM 30MIN-1                              | 234 805 |  | 501 | Cap screw M6x16                  | 020 135 |
| 2   | Motor bracket                                    | 235 276 |  | 502 | Compression spring 0,63x10,97x40 | 023 500 |
| 3   | Drive sleeve                                     | 235 285 |  | 503 | Shim ring 6x12x1                 | 023 444 |
| 4   | Wave                                             | 235 300 |  | 504 | Dowel pin 5x22-A-ST              | 023 716 |
| 500 | Setscrew M6x10                                   | 023 543 |  | 900 | Cap screw M6x12                  | 020 134 |



7.1 Auxiliary Take-down Values

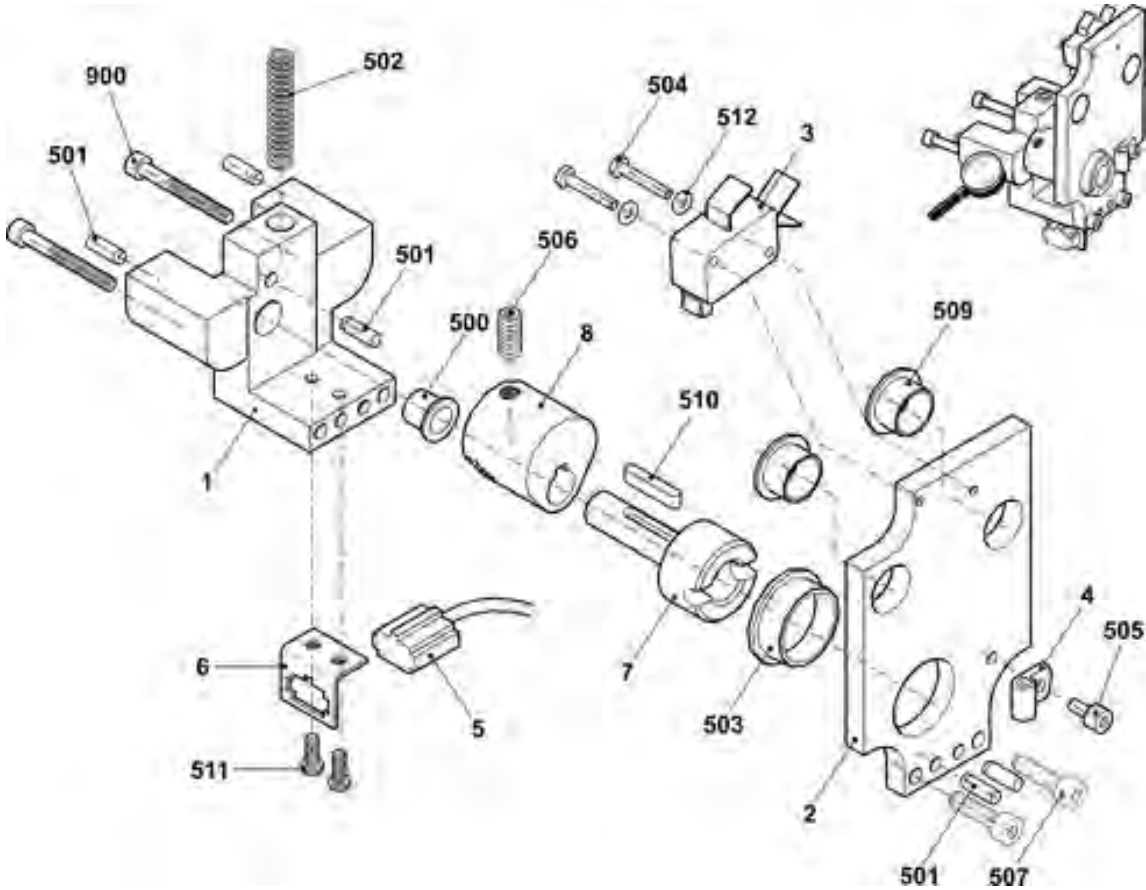
7.1.2 Left bearing of the auxiliary take-down

| Pos | Designation         | Id      | Pos | Designation                     | Id      |
|-----|---------------------|---------|-----|---------------------------------|---------|
| Σ   | Bearing on the left | 236 894 |     |                                 |         |
| 1   | Drive bearing       | 237 422 | 9   | Timing belt pulley              | 237 043 |
|     | 500 Dowel pin 5x12  | 021 988 | 10  | Toothed beltHPS5M NG CLEAN      | 237 118 |
| 2   | Cover plate         | 236 970 | 501 | Grooved ball bearing 61900-2RS1 | 023 714 |
| 3   | Cover plate         | 237 037 | 502 | Needle roller bearing 10x14x10  | 023 664 |
| 4   | Bolts               | 236 964 | 503 | Cap screw M4x8                  | 022 501 |
| 5   | Bolts               | 236 963 | 504 | Countersunk screw M4x12         | 023 062 |
| 6   | Gear wheel          | 236 914 | 505 | Locking ring10x1                | 020 950 |
| 7   | Gear wheel          | 236 916 | 506 | Spring dowel sleeve 3x18        | 237 059 |
| 8   | Gear wheel          | 236 917 | 900 | Cap screw M5x35                 | 022 879 |



7.1.3 Right bearing of the auxiliary take-down

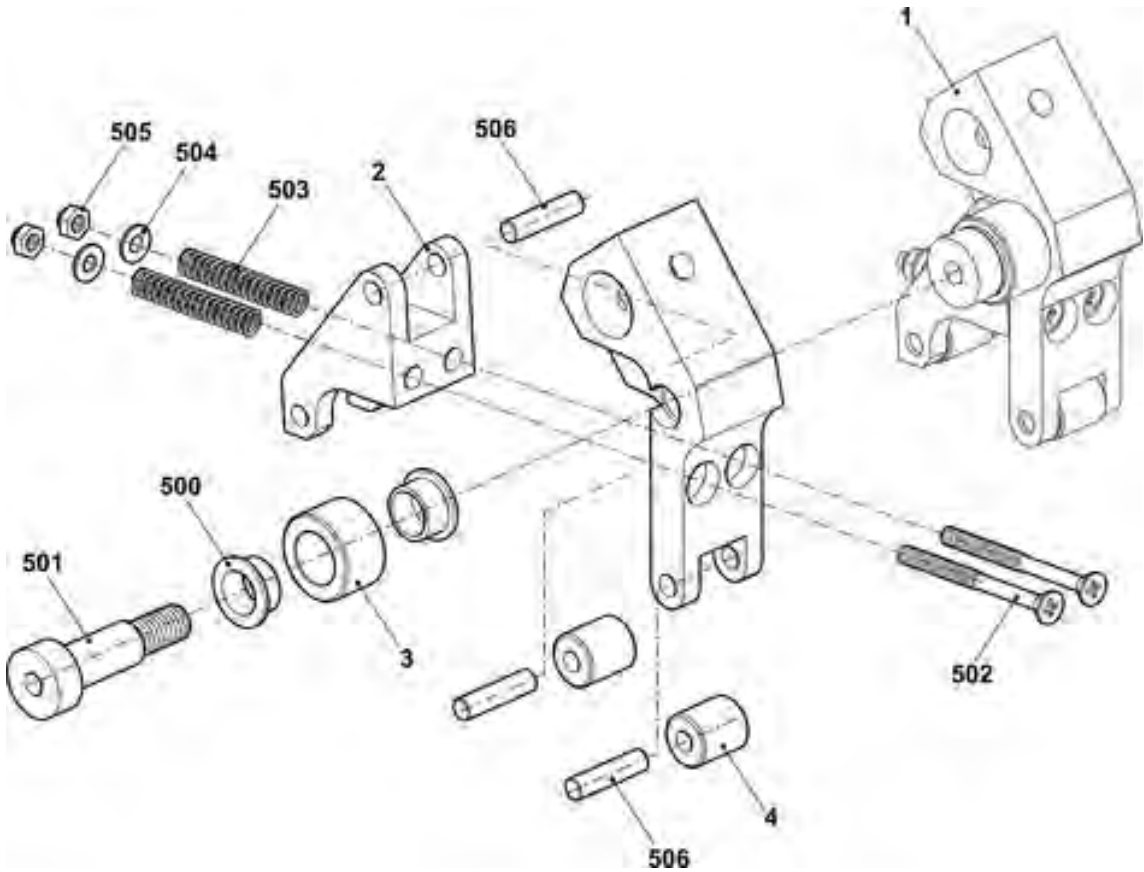
| Pos | Designation                 | Id      |  | Pos | Designation                     | Id      |
|-----|-----------------------------|---------|--|-----|---------------------------------|---------|
| Σ   | Bearing on the right        | 235 353 |  | 502 | Compression spring 1,6x6,4x27,1 | 023 288 |
| 1   | Bearing on the right        | 237 520 |  | 503 | Slide bearing GFM-2427-07       | 023 712 |
|     | 501 Dowel pin 5x12          | 021 988 |  | 504 | Hexagon screw M3x16             | 237 058 |
| 2   | Plate                       | 235 168 |  | 505 | Cap screw M4x8                  | 022 501 |
| 3   | Microswitch                 | 026 259 |  | 506 | Setscrew M6x12                  | 023 724 |
| 4   | Cable clip N-3B 5mm         | 210 729 |  | 507 | Cap screw M5x16                 | 022 726 |
| 5   | Cable switch HIAB St468     | 235 027 |  | 509 | Slide bearing GFM-1517-09       | 235 342 |
| 6   | Sheet metal for plug        | 236 068 |  | 510 | Feather key A 4x4x20            | 235 349 |
| 7   | Wave                        | 235 159 |  | 511 | Pan-head screw M4x8             | 023 579 |
| 8   | Eccentric                   | 235 165 |  | 512 | Washer3                         | 020 877 |
| 500 | Slide bearing GFM-101216-09 | 023 356 |  | 900 | Cap screw M5x35                 | 022 879 |



7.1 Auxiliary Take-down Values

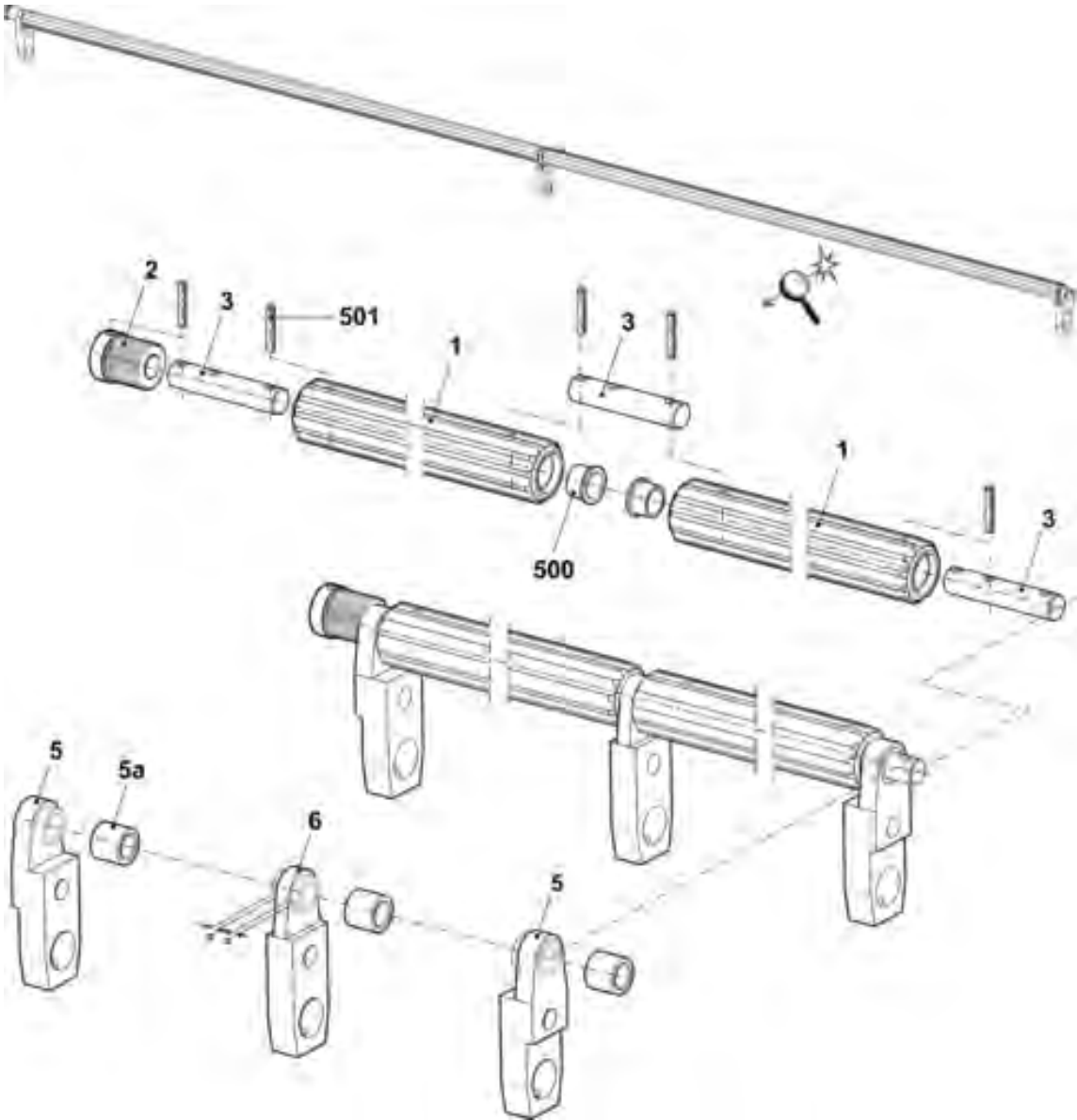
7.1.4 Contact lever

| Pos | Designation                  | Id      |  | Pos | Designation                     | Id      |
|-----|------------------------------|---------|--|-----|---------------------------------|---------|
| Σ   | Contact lever complete       | 235 356 |  | 501 | Cap screw 10x16-12.9            | 023 748 |
| 1   | Lever                        | 235 172 |  | 502 | Countersunk screw 1-M4x45       | 023 291 |
| 2   | Tilting lever                | 235 173 |  | 503 | Compression spring 1,6x6,4x27,1 | 023 288 |
| 3   | Roller                       | 235 176 |  | 504 | Washer4-200HV                   | 020 870 |
| 4   | Roll                         | 235 171 |  | 505 | Hexagon nut M4-8                | 023 046 |
| 500 | Slide bearing GFM-10x1216-06 | 023 280 |  | 506 | Dowel pin 5x22-A-ST             | 023 716 |



7.1.5 Take-down roller

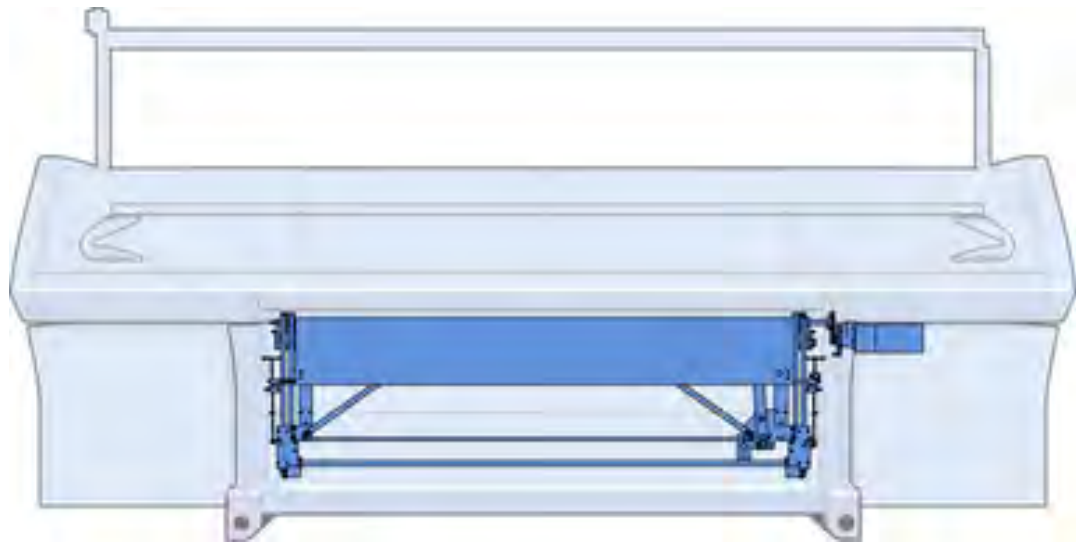
| Pos | Designation                              | Id      |  | Pos | Designation                          | Id      |
|-----|------------------------------------------|---------|--|-----|--------------------------------------|---------|
| Σ   | Take-down roller complete                | 235 601 |  | 6   | Lever bearing in the middle complete | 235 359 |
| 1   | Take-down roller                         | 236 957 |  | 500 | Slide bearing GFM-101214-07          | 023 627 |
| 2   | Timing belt pulley                       | 237 043 |  | 501 | Spring dowel sleeve 3x18             | 237 059 |
| 3   | Bolts                                    | 236 973 |  |     |                                      |         |
| 5   | Lever bearing on the right/left complete | 235 358 |  |     |                                      |         |
| 5a  | Needle roller bearing 10x14x12           | 023 665 |  |     |                                      |         |



7.1 Auxiliary Take-down Values

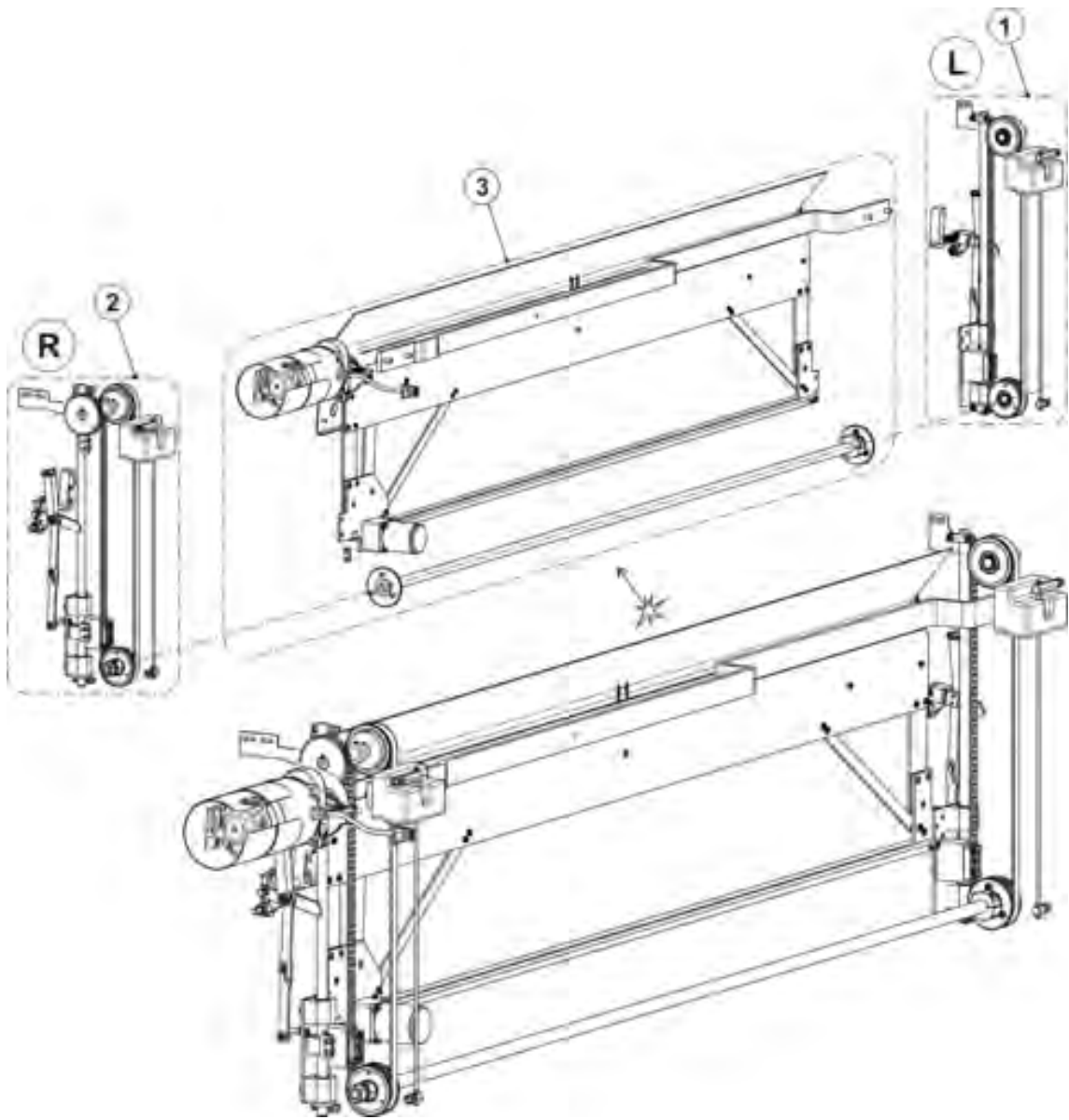
Notes:

## 8 Comb take-down



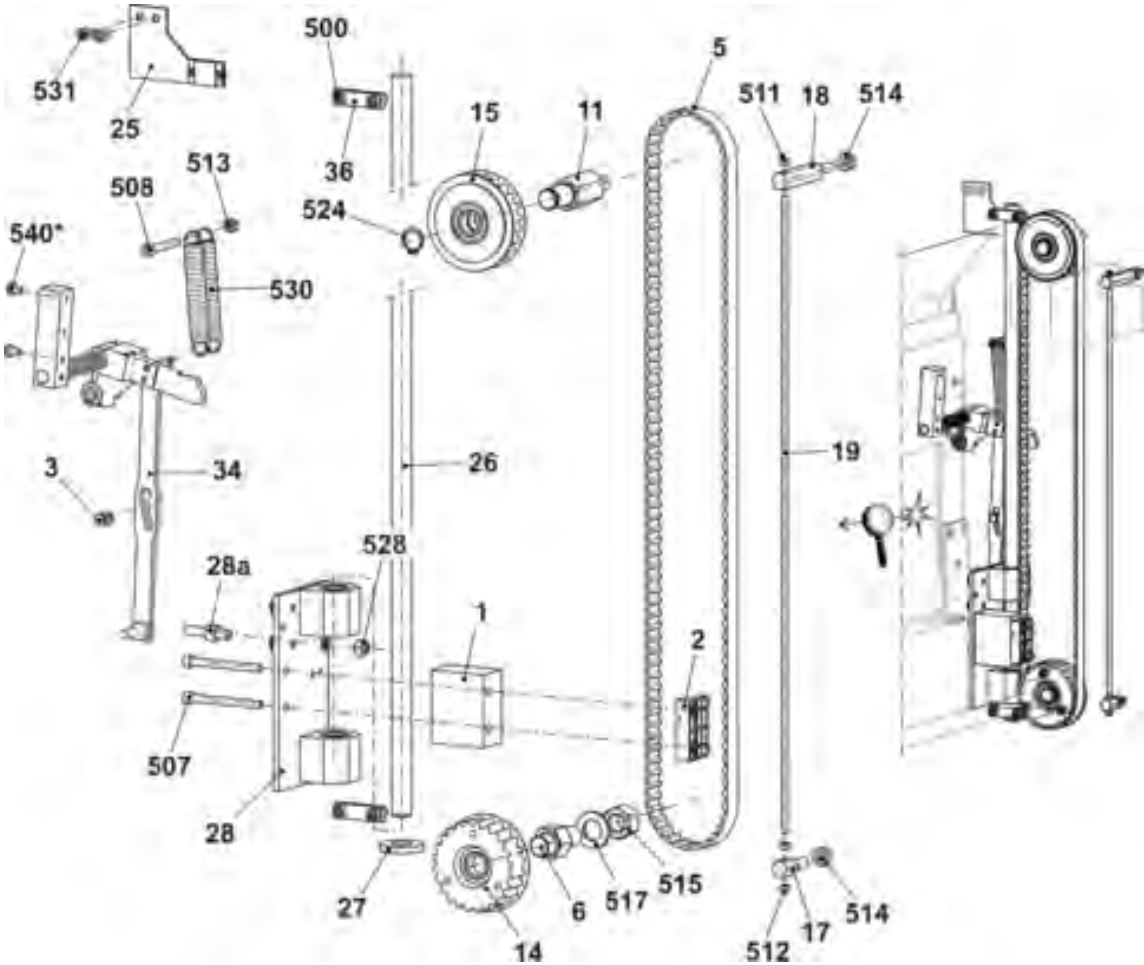
8.1 Comb take-down

| Pos | Designation                 | ID      |  | Pos | Designation                  | ID      |
|-----|-----------------------------|---------|--|-----|------------------------------|---------|
| Σ   | Comb take-down              |         |  | 3   | Comb take-down in the middle |         |
| 1   | Comb take-down on the left  | 255 265 |  |     | E12 ( E6.2(12)  E6.2)        | 255 314 |
| 2   | Comb take-down on the right | 255 266 |  |     | E14 (E7.2(14)  E7.2)         | 255 322 |



8.1.1 Comb take-down on the left

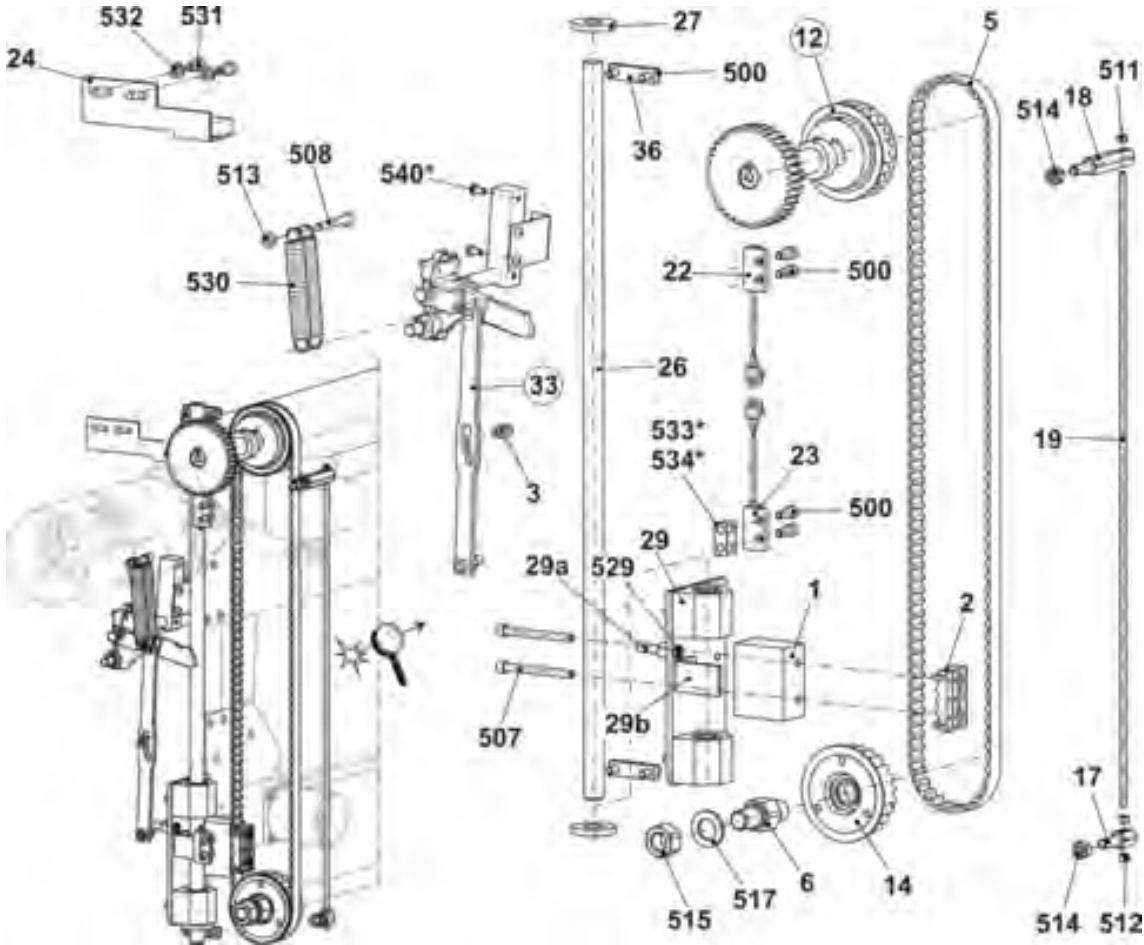
| Pos | Designation                                | ID      | Pos  | Designation                          | ID      |
|-----|--------------------------------------------|---------|------|--------------------------------------|---------|
| Σ   | Comb take-down on the left                 | 255 265 |      |                                      |         |
| 1   | Clamping piece                             | 209 379 |      | 528 Hexagon nut M8-6                 | 020 838 |
| 2   | Pressure plate                             | 241 967 | 34   | Swivel lever on the left             | 252 859 |
| 3   | Bolts                                      | 222 152 | 36   | Clamping plate                       | 227 159 |
| 5   | Toothed belt16T10/1300                     | 240 065 | 500  | Cap screw M6x16                      | 020 135 |
| 6   | Eccentric pin                              | 222 320 | 507  | Cap screw M6x65                      | 240 162 |
| 11  | Bolts                                      | 207 689 | 508  | Cap screw M6x45                      | 022 689 |
| 14  | Toothed lock washer at the bottom complete | 211 822 | 511  | Hexagon nut M5-8                     | 023 541 |
| 15  | Toothed lock washer at the top complete    | 211 823 | 512  | Hexagon nut M5-6                     | 020 835 |
| 17  | Stay bolt                                  | 222 315 | 513  | Hexagon nut M6-6                     | 020 836 |
| 18  | Stay bolt                                  | 240 056 | 514  | Hexagon nut M8-6                     | 020 838 |
| 19  | Threaded rod M5                            | 240 057 | 515  | Hexagon nut M16-6                    | 020 845 |
| 25  | Reflector complete                         | 253 535 | 517  | Washer16                             | 020 876 |
| 26  | Guide bar C35                              | 206 560 | 524  | Locking ring17x1                     | 023 299 |
| 27  | Rubber buffer                              | 206 561 | 530  | Tension spring Din2097 15x1,50x70,94 | 251 614 |
| 28  | Comb guide on the left                     | 255 425 | 531  | Cap screw M6x12                      | 020 134 |
| 28a | Driving bolt                               | 255 427 | 540* | Pan-head screw M5x10                 | 023 247 |



8.1 Comb take-down

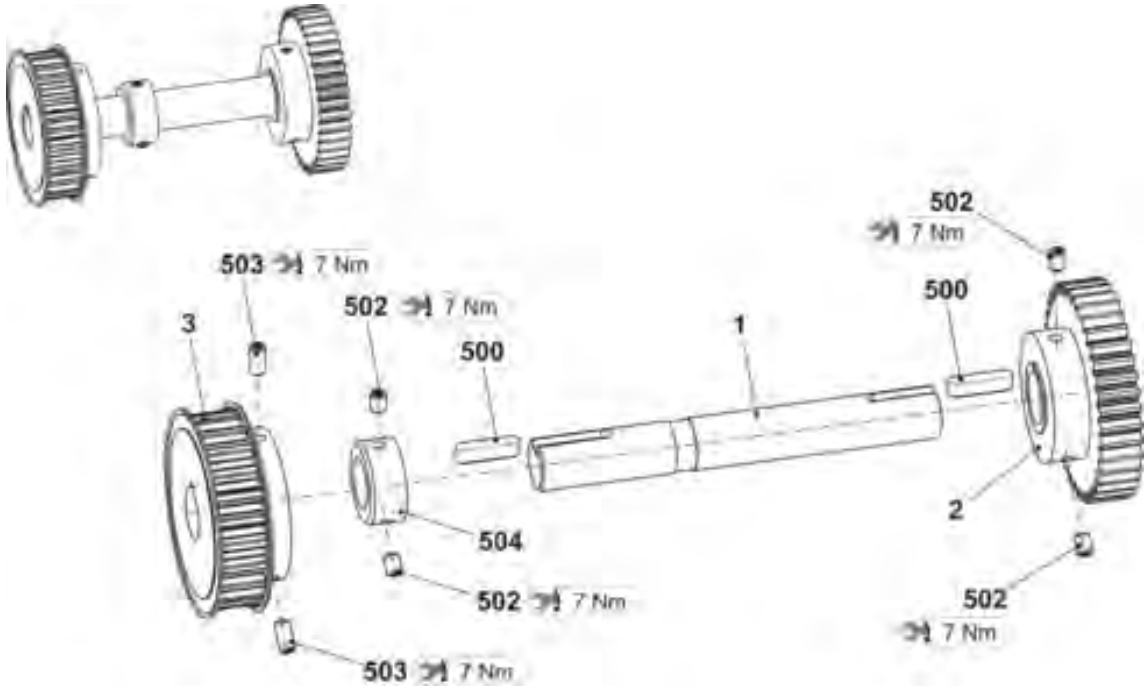
8.1.2 Comb take-down on the right

| Pos | Designation                                | ID      |  | Pos  | Designation                  | ID      |
|-----|--------------------------------------------|---------|--|------|------------------------------|---------|
| Σ   | Comb take-down on the right                | 255 266 |  |      |                              |         |
| 1   | Clamping piece                             | 209 379 |  |      | 529 Hexagon nut M8-6         | 020 838 |
| 2   | Pressure plate                             | 241 967 |  | 33   | Swivel lever on the right    | 252 858 |
| 3   | Bolts                                      | 222 152 |  | 36   | Clamping plate               | 227 159 |
| 5   | Toothed belt16T10/1300                     | 240 065 |  | 500  | Cap screw M6x16              | 020 135 |
| 6   | Eccentric pin                              | 222 320 |  | 507  | Cap screw M6x65              | 240 162 |
| 12  | Drive shaft comb complete                  | 214 583 |  | 508  | Cap screw M6x45              | 022 689 |
| 14  | Toothed lock washer at the bottom complete | 211 822 |  | 511  | Hexagon nut M5-8             | 023 541 |
| 17  | Stay bolt                                  | 222 315 |  | 512  | Hexagon nut M5-6             | 020 835 |
| 18  | Stay bolt                                  | 240 056 |  | 513  | Hexagon nut M6-6             | 020 836 |
| 19  | Threaded rod M5                            | 240 057 |  | 514  | Hexagon nut M8-6             | 020 838 |
| 22  | Proximity switch inductive at the top      | 231 516 |  | 515  | Hexagon nut M16-6            | 020 845 |
| 23  | Proximity switch inductive at the bottom   | 231 520 |  | 517  | Washer16                     | 020 876 |
| 24  | Light barrier complete                     | 253 534 |  | 530  | Tension spring 15x1,50x70,94 | 251 614 |
| 26  | Guide bar C35                              | 206 560 |  | 531  | Cap screw M6x12              | 020 134 |
| 27  | Rubber buffer                              | 206 561 |  | 532  | Washer6                      | 020 872 |
| 29  | Comb guide on the right                    | 255 424 |  | 533* | Shim0,2x12x27                | 023 735 |
| 29a | Driving bolt                               | 255 427 |  | 534* | Shim0,5x12x27                | 023 736 |
| 29b | Angle                                      | 240 112 |  | 540* | Pan-head screw M5x10         | 023 247 |



8.1.2.1 Drive shaft of comb

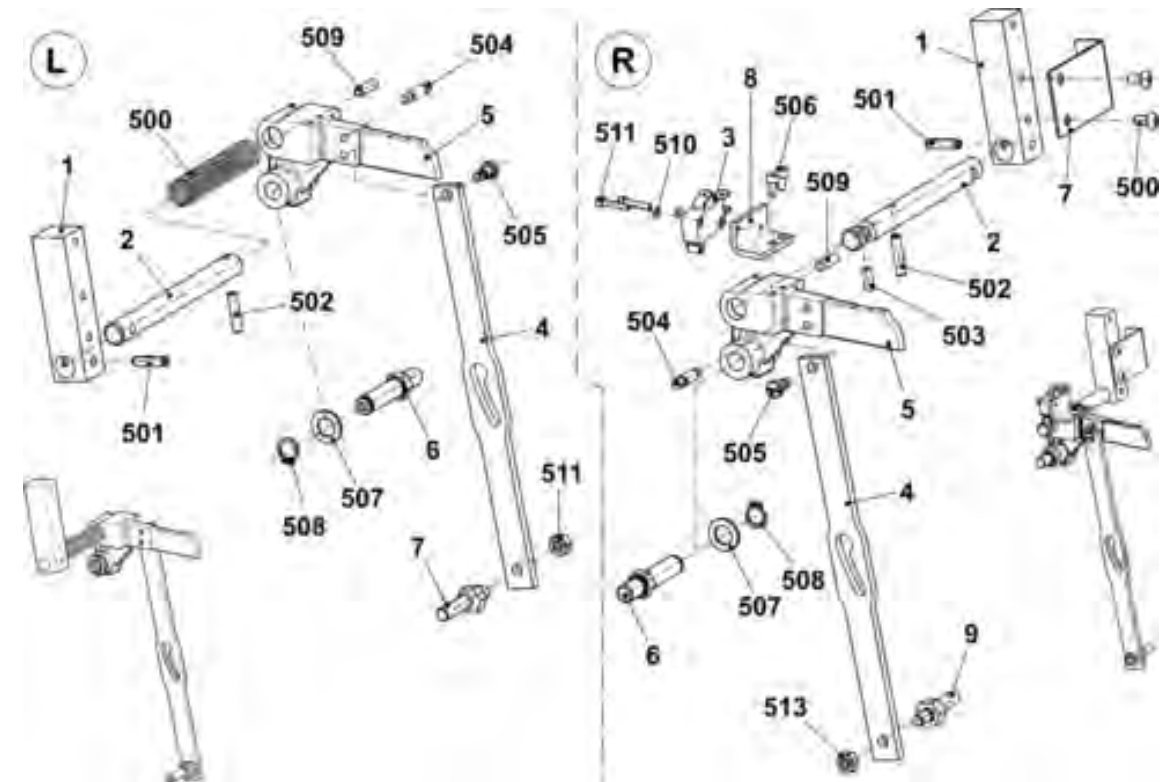
| Pos | Designation                            | Id      |  | Pos | Designation          | Id      |
|-----|----------------------------------------|---------|--|-----|----------------------|---------|
| Σ   | Drive shaft comb complete              | 214 583 |  |     |                      |        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



8.1 Comb take-down

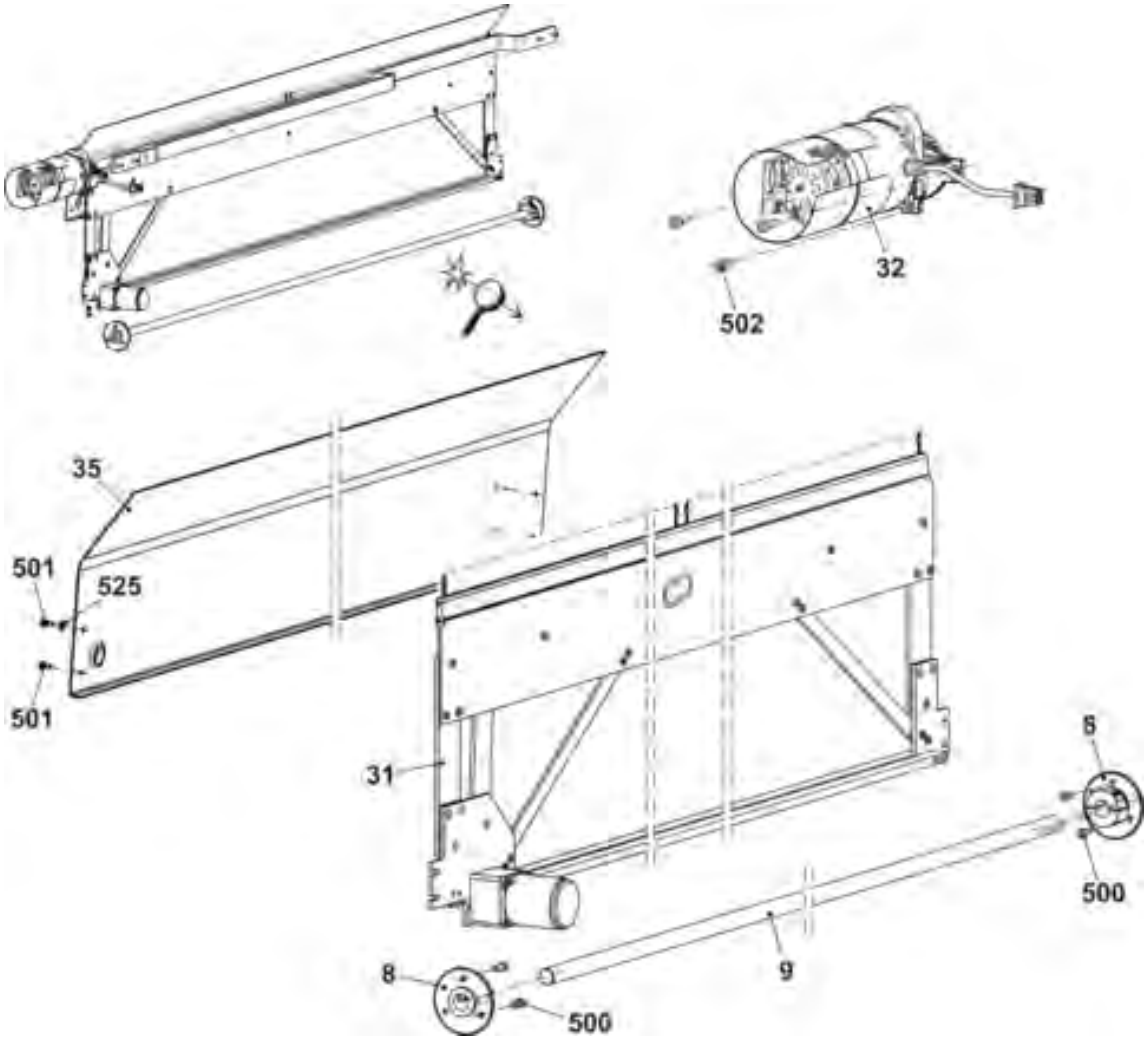
8.1.2.2 Swivel lever comb take-down

| Pos | Designation                      | Id      |  | Pos | Designation               | Id      |
|-----|----------------------------------|---------|--|-----|---------------------------|---------|
| Σ L | Swivel lever on the left         | 252 859 |  | Σ R | Swivel lever on the right | 252 858 |
| 1   | Support                          | 252 780 |  | 1   | Support                   | 252 780 |
| 2   | Shaft                            | 223 994 |  | 2   | Shaft                     | 238 339 |
| 4   | Plunger                          | 255 650 |  | 3   | Microswitch               | 026 259 |
| 5   | Swivel lever                     | 239 248 |  | 4   | Plunger                   | 255 650 |
| 6   | Bolt                             | 214 053 |  | 5   | Swivel lever              | 239 248 |
| 7   | Eccentric bolt                   | 255 651 |  | 6   | Bolt                      | 214 053 |
| 500 | Compression spring 1,4x13,6x93   | 023 572 |  | 7   | Angle                     | 224 009 |
| 501 | Spring dowel sleeve Iso8752-5x20 | 020 794 |  | 8   | Angle                     | 238 304 |
| 502 | Dowel pin 5x22                   | 023 716 |  | 9   | Eccentric bolt            | 255 651 |
| 504 | Shoulder screw M5x29x35          | 251 618 |  | 500 | Pan-head screwM5x10       | 023 247 |
| 505 | Shoulder screw M5x5,8x6,2        | 023 365 |  | 501 | Spring dowel sleeve 5x20  | 020 794 |
| 507 | Washer10                         | 020 884 |  | 502 | Dowel pin 5x22            | 023 716 |
| 508 | Locking ring                     | 020 950 |  | 503 | Spring dowel sleeve 5x12  | 020 793 |
| 509 | Shoulder screw M5x12x18          | 020 539 |  | 504 | Shoulder screw M5x29x35   | 251 618 |
| 511 | Hexagon nut M8-6                 | 020 838 |  | 505 | Shoulder screw M5X5,8X6,2 | 023 365 |
|     |                                  |         |  | 506 | Cap screwM4x8             | 022 501 |
|     |                                  |         |  | 507 | Washer10                  | 020 884 |
|     |                                  |         |  | 508 | Locking ring 10x1         | 020 950 |
|     |                                  |         |  | 509 | Shoulder screw M5X12X18   | 020 539 |
|     |                                  |         |  | 510 | Cap screwM3x16            | 022 583 |
|     |                                  |         |  | 511 | Washer3                   | 020 877 |
|     |                                  |         |  | 513 | Hexagon nut M8-6          | 020 838 |



8.1.3 Comb take-down in the middle

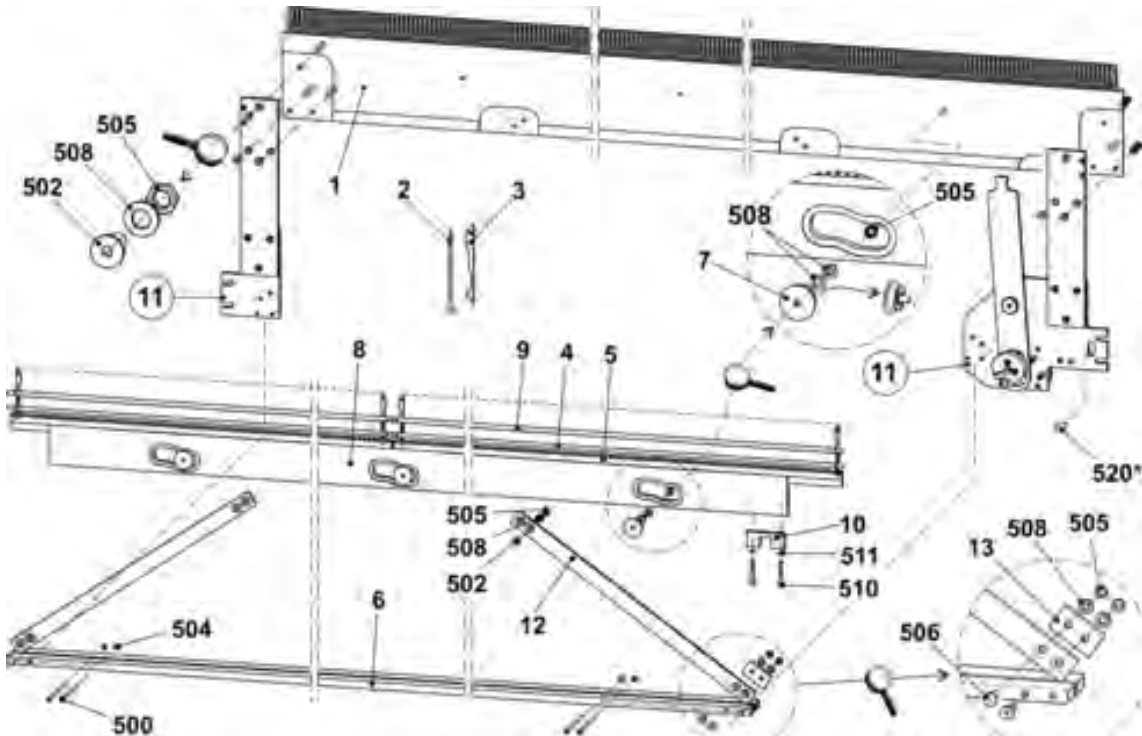
| Pos | Designation                  | ID      |  | Pos | Designation                   | ID      |
|-----|------------------------------|---------|--|-----|-------------------------------|---------|
| Σ   | Comb take-down in the middle |         |  | 31  | Comb unit                     |         |
|     | E12 (E6.2(12)   E6.2)        | 255 314 |  |     | E12 (E6.2(12)   E6.2)         | 243 403 |
|     | E14 (E7.2(14)   E7.2)        | 255 322 |  |     | E14 (E7.2(14)   E7.2)         | 243 404 |
| 8   | Flange                       | 207 695 |  | 32  | Motor take-down unit complete | 253 803 |
| 9   | Shaft long                   | 218 532 |  | 35  | Marking plate open            | 252 829 |
| 500 | Cap screw M6x16              | 020 135 |  | 502 | Cap screw M8x25               | 020 142 |
| 501 | Pan-head screw M5x10         | 023 247 |  | 525 | Serrated lock washer J5,3     | 022 489 |



8.1 Comb take-down

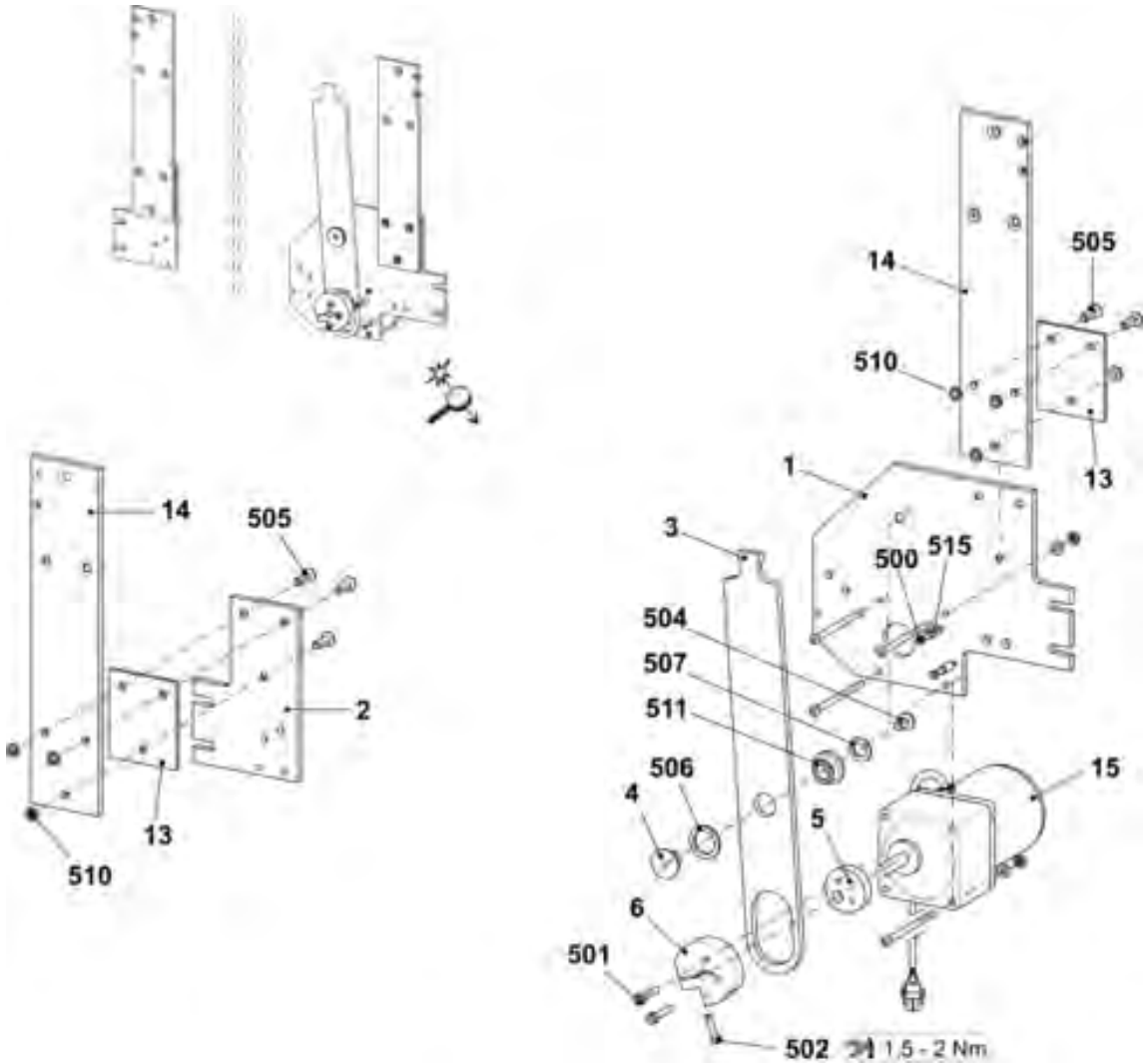
8.1.3.1 Comb unit

| Pos | Designation           | ID      | Pos | Designation                  | ID      |
|-----|-----------------------|---------|-----|------------------------------|---------|
| Σ   | Comb unitE12   E6.2   | 243 403 | 9   | Cover rail                   | 222 861 |
|     | Comb unitE14   E7.2   | 243 404 | 10  | Plunger                      | 205 678 |
| 1   | Hook bedE12   E6.2    | 218 562 | 11  | Switching lever complete     | 240 060 |
|     | Hook bedE14   E7.2    | 218 563 | 12  | Strut                        | 218 740 |
| 2   | CloserE12-E14         | 230 106 | 13  | Intermediate plate           | 218 742 |
| 3   | BodyE12-E14           | 230 094 | 500 | Cap screw M4x50              | 023 102 |
| 4   | Cover rail            | 218 549 | 502 | Countersunk head screw M5x12 | 023 340 |
| 5   | Hook sliderE12   E6.2 | 221 298 | 504 | Hexagon nut M4-8             | 023 046 |
|     | Hook sliderE14   E7.2 | 221 297 | 505 | Hexagon nut M5-04            | 020 854 |
| 6   | Stabilizer            | 218 555 | 508 | Washer5-200                  | 020 871 |
| 7   | Collar bolt complete  | 211 036 | 510 | Cap screw M4x30              | 023 290 |
| 8   | Cross slider          | 218 552 | 511 | Circlip                      | 022 774 |



8.1.3.1.1 Switching lever comb take-down

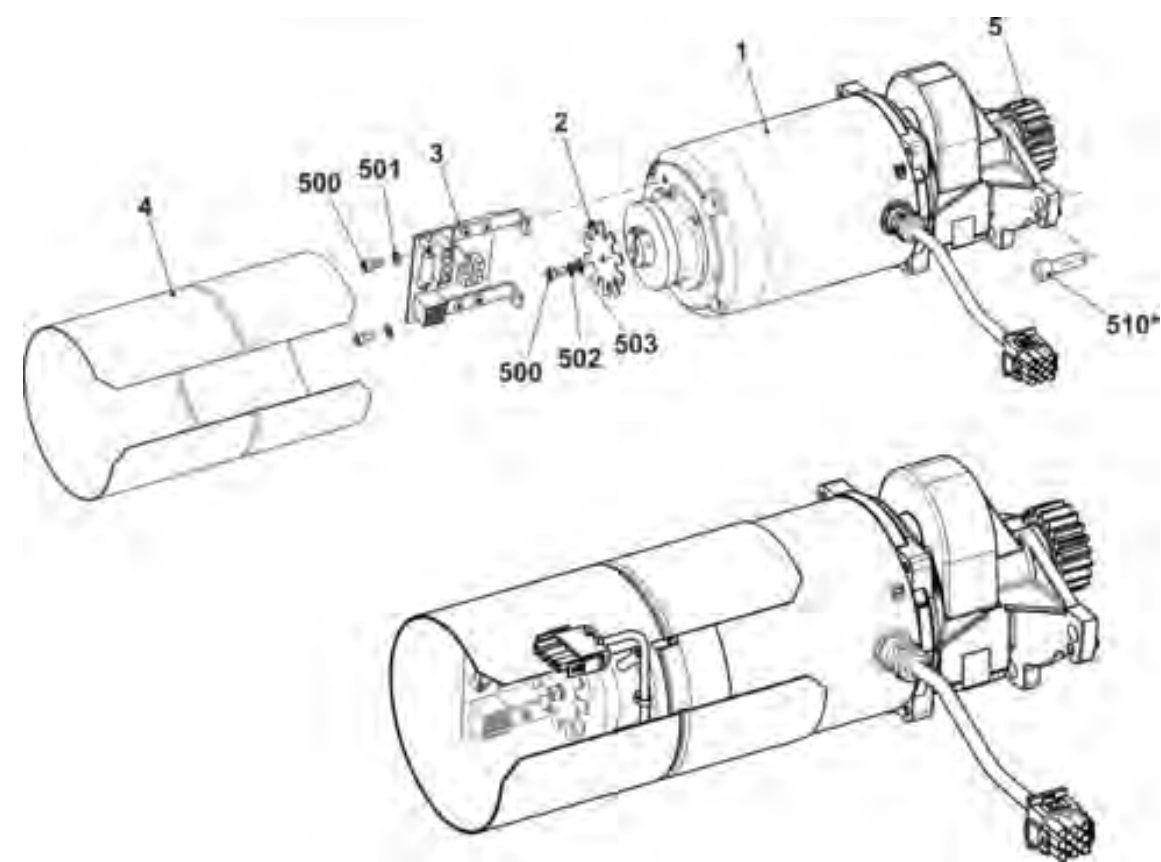
| Pos | Designation                   | ID      |  | Pos | Designation             | ID      |
|-----|-------------------------------|---------|--|-----|-------------------------|---------|
| Σ   | Switching lever complete      | 240 060 |  | 500 | Cap screwM3x25          | 023 093 |
| 1   | Screw-on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



8.1 Comb take-down

8.1.3.2 Impulse sensor and motor

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



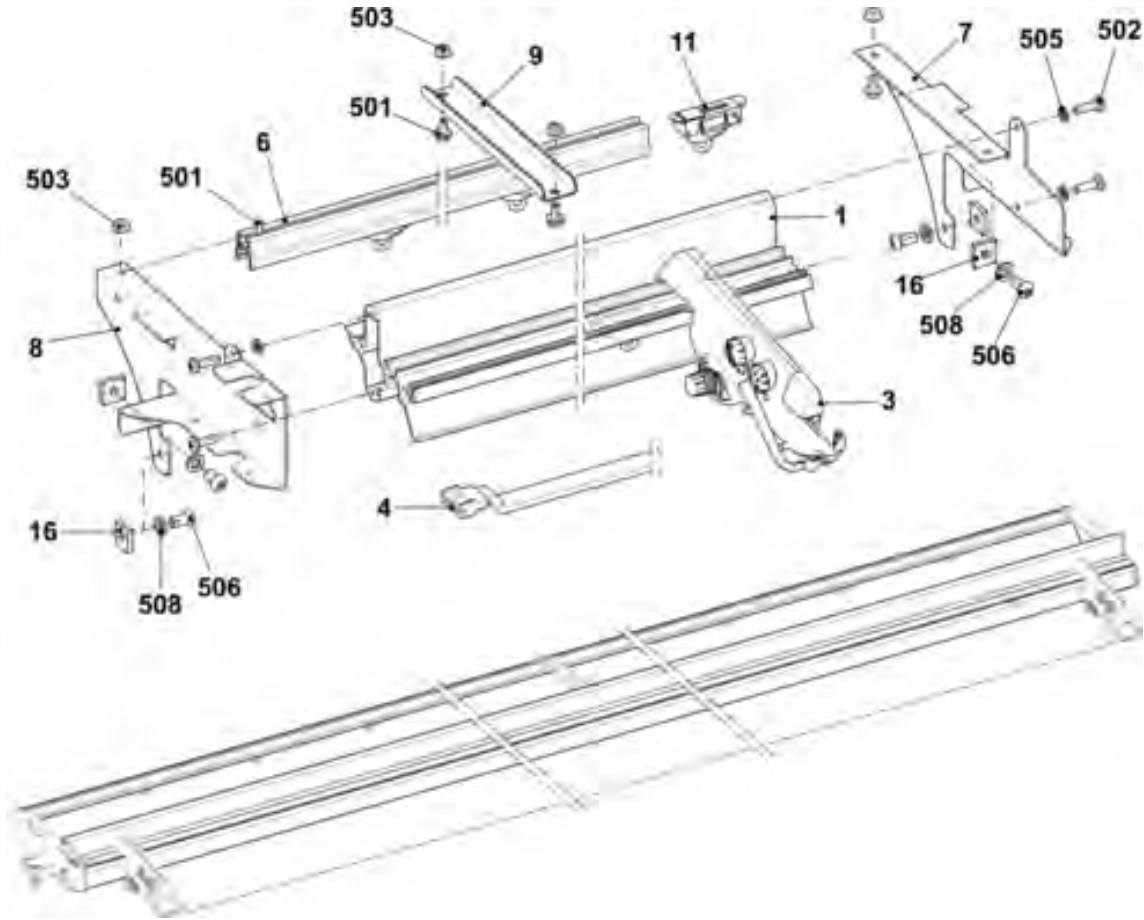
## 9 Yarn delivery device



9.1 Yarn guide system with 20 and 24 FKE

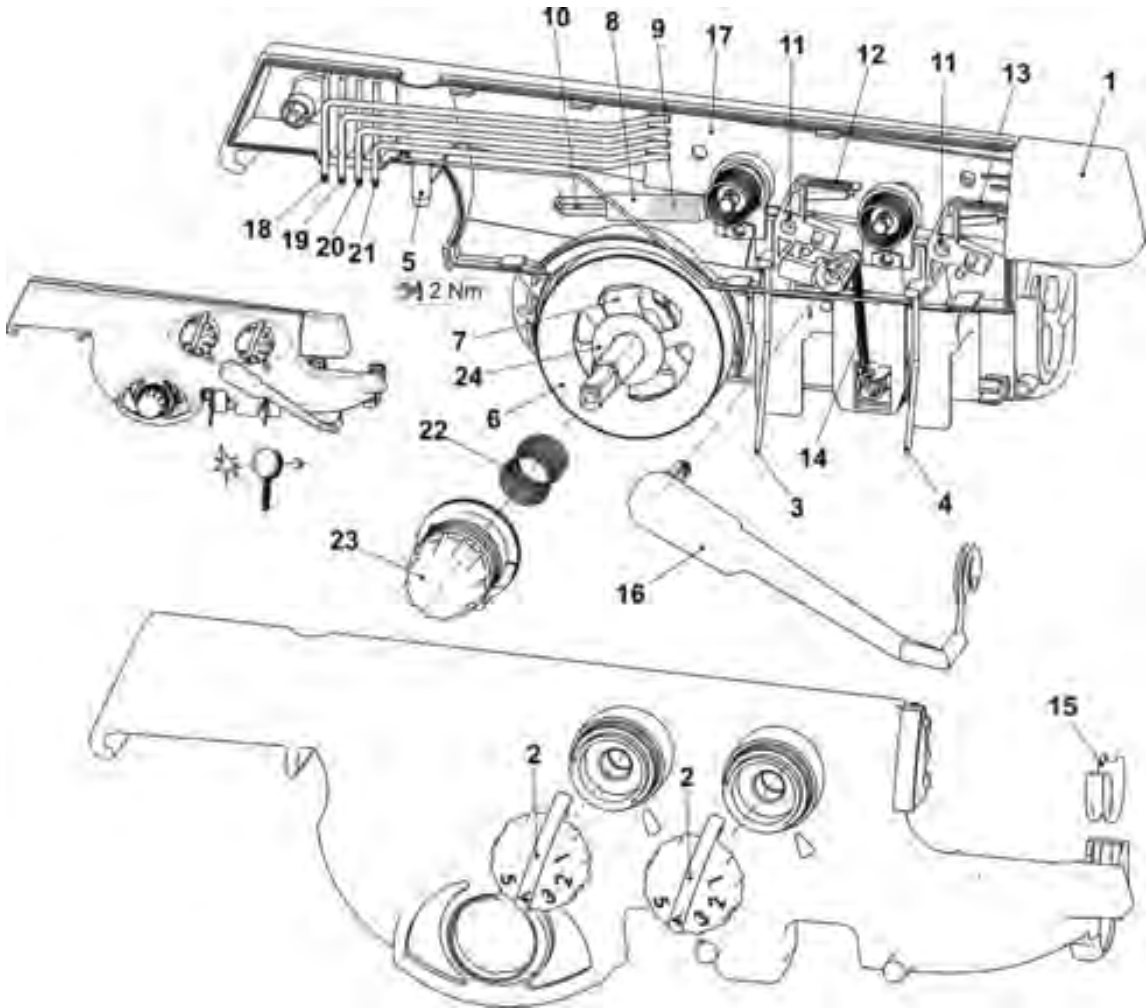
9.1 Yarn guide system with 20 and 24 FKE

| Pos | Designation                  | ID      |  | Pos | Designation                 | ID      |
|-----|------------------------------|---------|--|-----|-----------------------------|---------|
| Σ   | Yarn guide system 20 FKE 72" | 243 365 |  |     |                             |         |
|     | Yarn guide system 24 FKE 72" | 241 295 |  | 11  | Yarn guide bracket complete | 241 581 |
| 1   | Support 72"                  | 243 111 |  | 16  | Slot nut                    | 228 851 |
| 3   | Yarn control device(FKE)     | 237 124 |  | 501 | Self-locking screw M6x12    | 023 415 |
| 4   | Connection cable FKE-3 72"   | 240 348 |  | 502 | Screw M6x20                 | 023 721 |
| 6   | Yarn guide bar72"            | 228 596 |  | 503 | Serrated nut M6-10          | 023 414 |
| 7   | Support on the right         | 243 601 |  | 505 | Washer6-200                 | 022 431 |
| 8   | Support on the left          | 243 600 |  | 506 | Pan-head screw M8x16        | 023 113 |
| 9   | Support                      | 243 792 |  | 508 | Serrated lock washer        | 023 388 |



9.2 Yarn control device

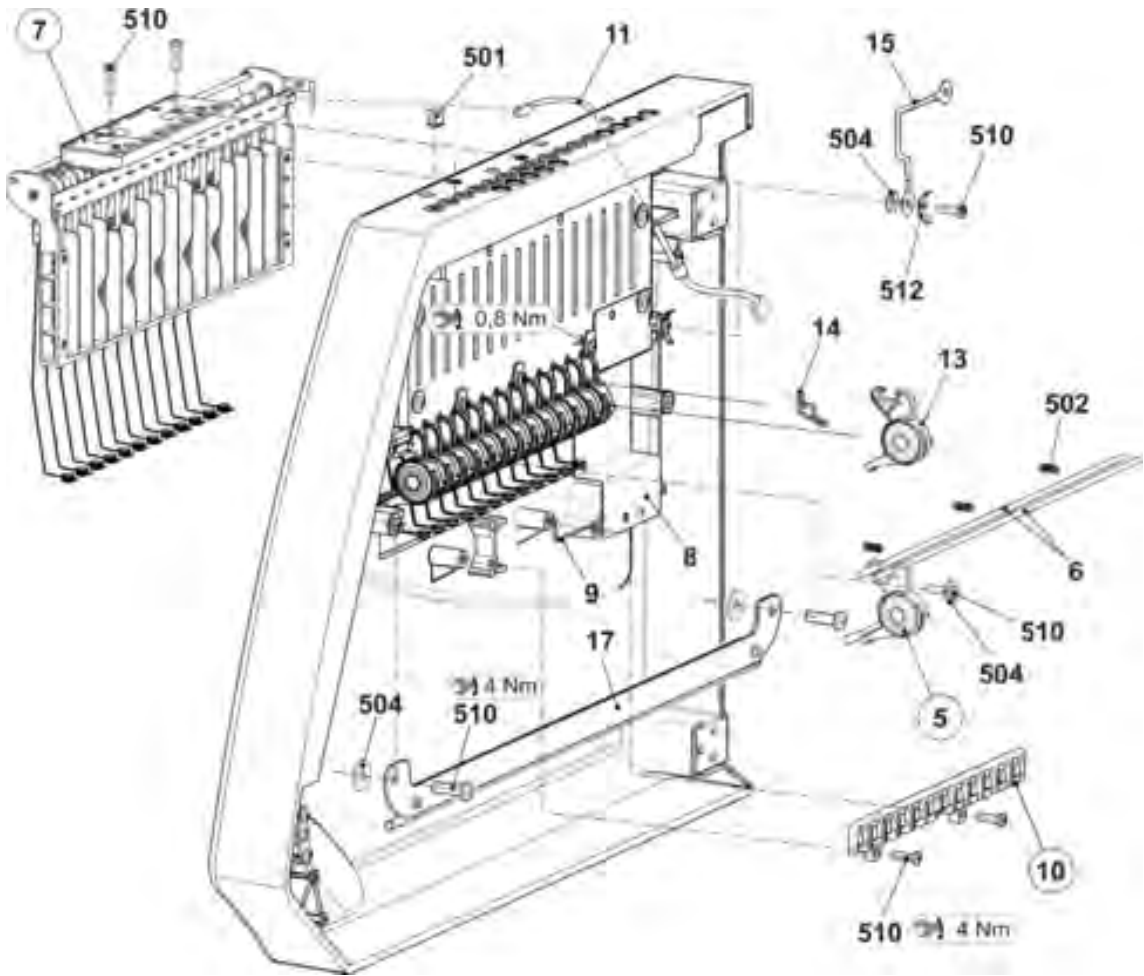
| Pos | Designation                   | Id      | Pos | Designation         | Id      |
|-----|-------------------------------|---------|-----|---------------------|---------|
| Σ   | Yarn control device           | 237 124 |     |                     |         |
| 1   | Lamp cap                    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



9.3 Left yarn guide

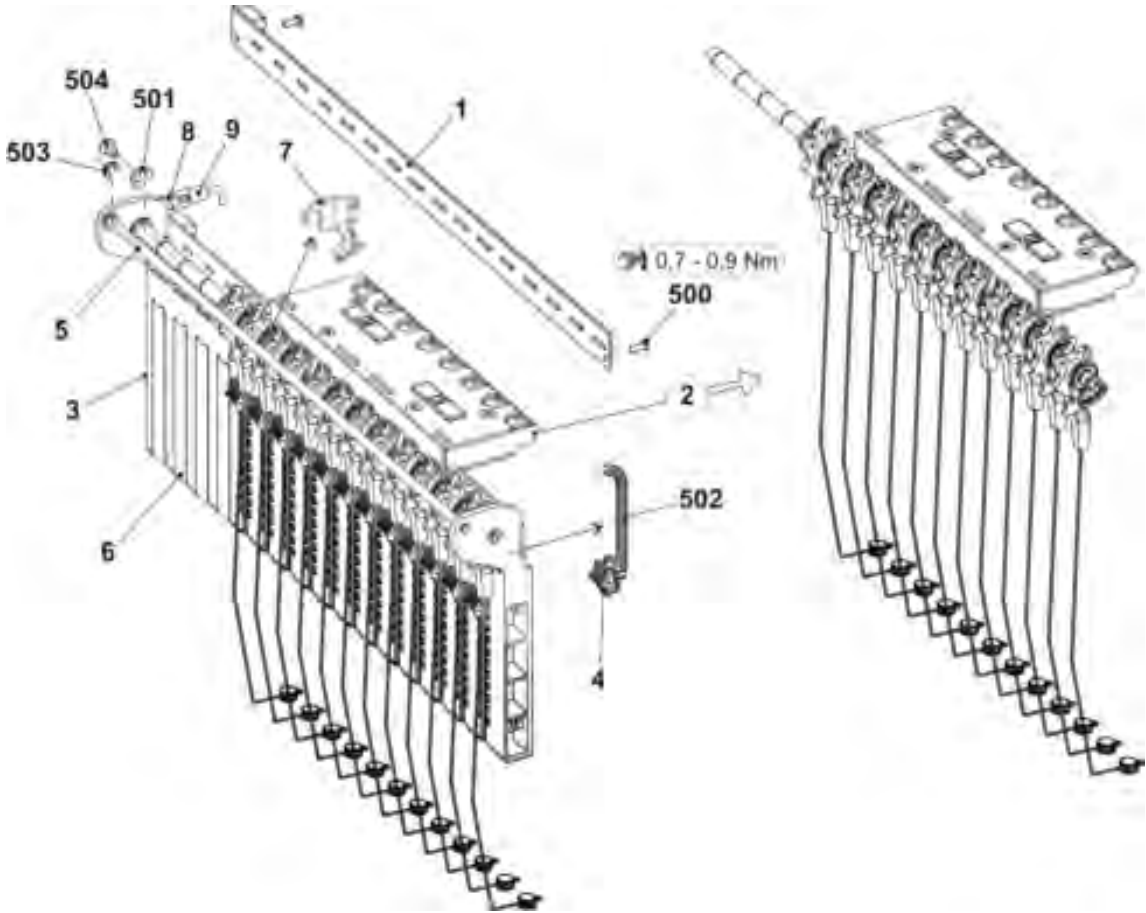
9.3 Left yarn guide

| Pos | Designation                         | ID      | Pos | Designation                        | ID      |
|-----|-------------------------------------|---------|-----|------------------------------------|---------|
| Σ   | Safety door on the left complete    |         |     |                                    |         |
|     | E6.2                                | 241 272 | 11  | Connection cable yarn tensionerokc | 240 808 |
|     | E7.2   E6.2(12)   E7.2(14)          | 241 273 | 13  | Yarn brake not adjustable          | 244 356 |
| 5   | Yarn brake complete                 | 244 347 | 14  | Clamping bow                       | 244 409 |
| 6   | Wave                                | 241 318 | 15  | Ground cable                       | 244 404 |
| 7   | Yarn tensioner on the left complete |         | 17  | Stop bar on the left complete      | 258 454 |
|     | E6.2                                | 241 364 | 501 | Ceramic eyelet                     | 240 640 |
|     | E7.2   E6.2(12)   E7.2(14)          | 241 365 | 502 | Compression spring 0,90x5,40x13,60 | 241 360 |
| 8   | Cover                               | 240 783 | 504 | Washer6                            | 022 537 |
| 9   | Wire bow on the left                | 241 370 | 510 | Screw KB 60x20                     | 237 682 |
| 10  | Yarn deflector                      | 242 011 | 512 | Flat connector 2x45° M6            | 243 117 |



9.3.1 Left yarn tensioner

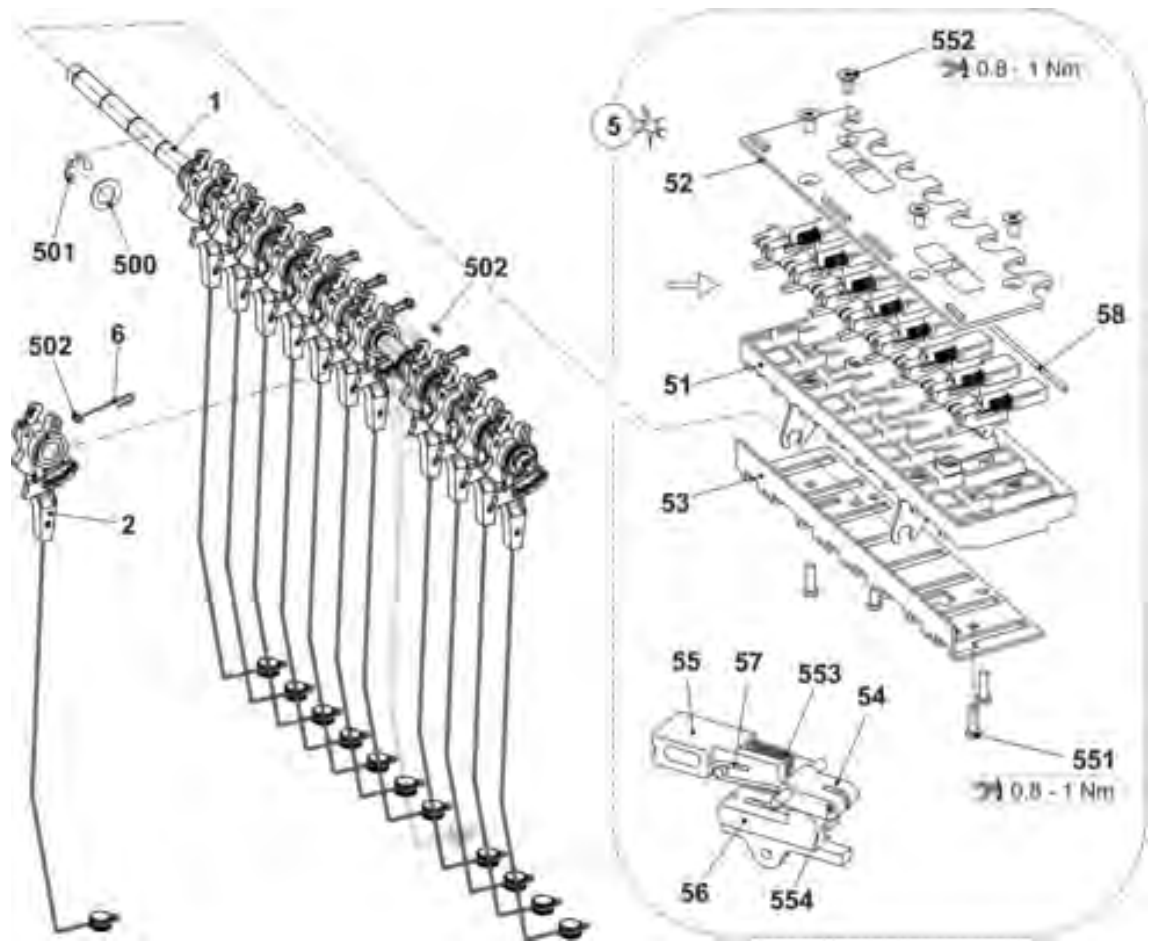
| Pos | Designation                              | ID      |  | Pos | Designation                                           | ID      |
|-----|------------------------------------------|---------|--|-----|-------------------------------------------------------|---------|
| Σ   | Yarn tensioner on the left complete      |         |  |     |                                                       |         |
|     | E7-8 (E6.2)                              | 241 364 |  | 7   | Spacer                                                | 242 048 |
|     | E10-18 (E7.2   E6.2(12)   E7.2(14))      | 241 365 |  | 8   | Grounding plate of tension axle                       | 243 121 |
| 1   | Card yarn tensioner 16-fold on the left  | 241 345 |  | 9   | Ground cable yarn tensioner okc                       | 243 105 |
| 2   | Tension axle on the left complete E3-8   | 241 366 |  | 500 | Screw KB 30x8                                         | 236 228 |
|     | Tension axle on the left complete E10-18 | 241 381 |  | 501 | Circlip                                               | 021 022 |
| 3   | Housing                                  | 241 367 |  | 502 | Tension spring 4,9x0,5x53 E6.2                        | 023 503 |
| 4   | Slider                                   | 241 694 |  |     | Tension spring 4,9x0,5x53 E7.2   E6.2(12)   E7.2(14)) | 023 504 |
| 5   | Stop point                               | 241 368 |  | 503 | Circlip                                               | 021 020 |
| 6   | Border                                   | 242 268 |  | 504 | Countersunk screw M4x10                               | 241 914 |



9.3 Left yarn guide

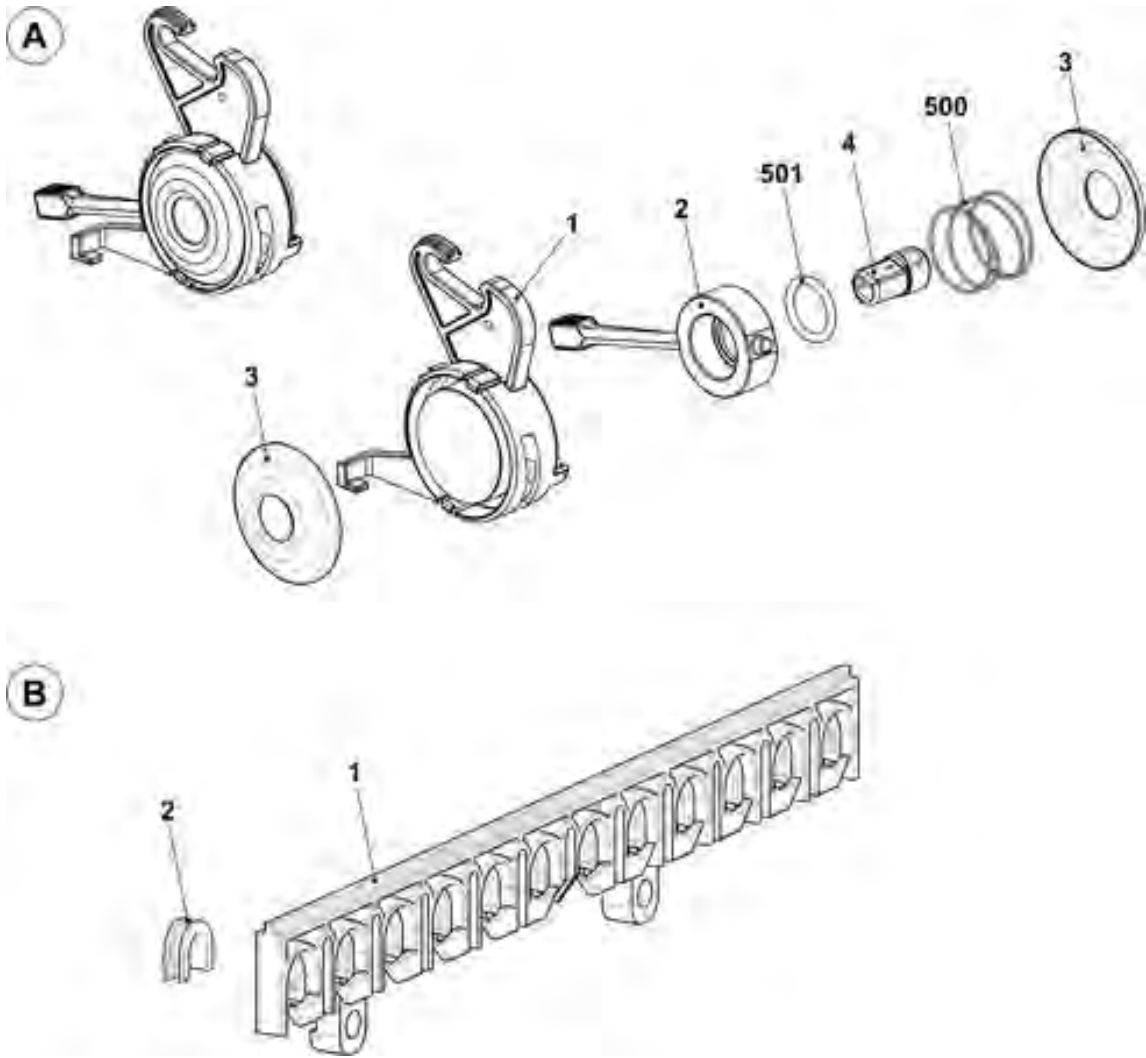
9.3.1.1 Left tension axle

| Pos | Designation                                   | ID      | Pos | Designation                           | ID      |
|-----|-----------------------------------------------|---------|-----|---------------------------------------|---------|
| Σ   | Tension axle on the left completeE3-6         | 241 366 | 55  | Pressure piece AKF                    | 238 690 |
|     | Tension axle on the left complete E10-18      | 241 381 | 56  | SliderAKF                             | 238 691 |
| 1   | Axle                                          | 243 107 | 57  | Wire bow                              | 238 694 |
| 2   | Tension arm pre-assembledE3-8                 | 259 448 | 58  | Wire                                  | 237 940 |
|     | Tension arm pre-assembledE10-18               | 258 459 | 551 | Screw KB 35x12                        | 237 681 |
| 6   | Wire bow                                      | 238 694 | 552 | Screw KB 40x8                         | 236 227 |
| 5   | Thread clamp AKF                              | 238 695 | 553 | Compression spring<br>0,30x4,50x18,50 | 241 437 |
|     | 51 HousingAKF                                 | 238 689 | 554 | Grooved pin 2x6                       | 243 172 |
|     | 52 Cover AKF                                  | 237 926 | 500 | Shim ring 8x14x0,5                    | 023 501 |
|     | 53 Sheet metal at the bottom (housing<br>AKF) | 240 719 | 501 | Circlip                               | 021 022 |
|     | 54 Lever AKF                                  | 238 692 | 502 | Grooved pin 2x6                       | 243 172 |



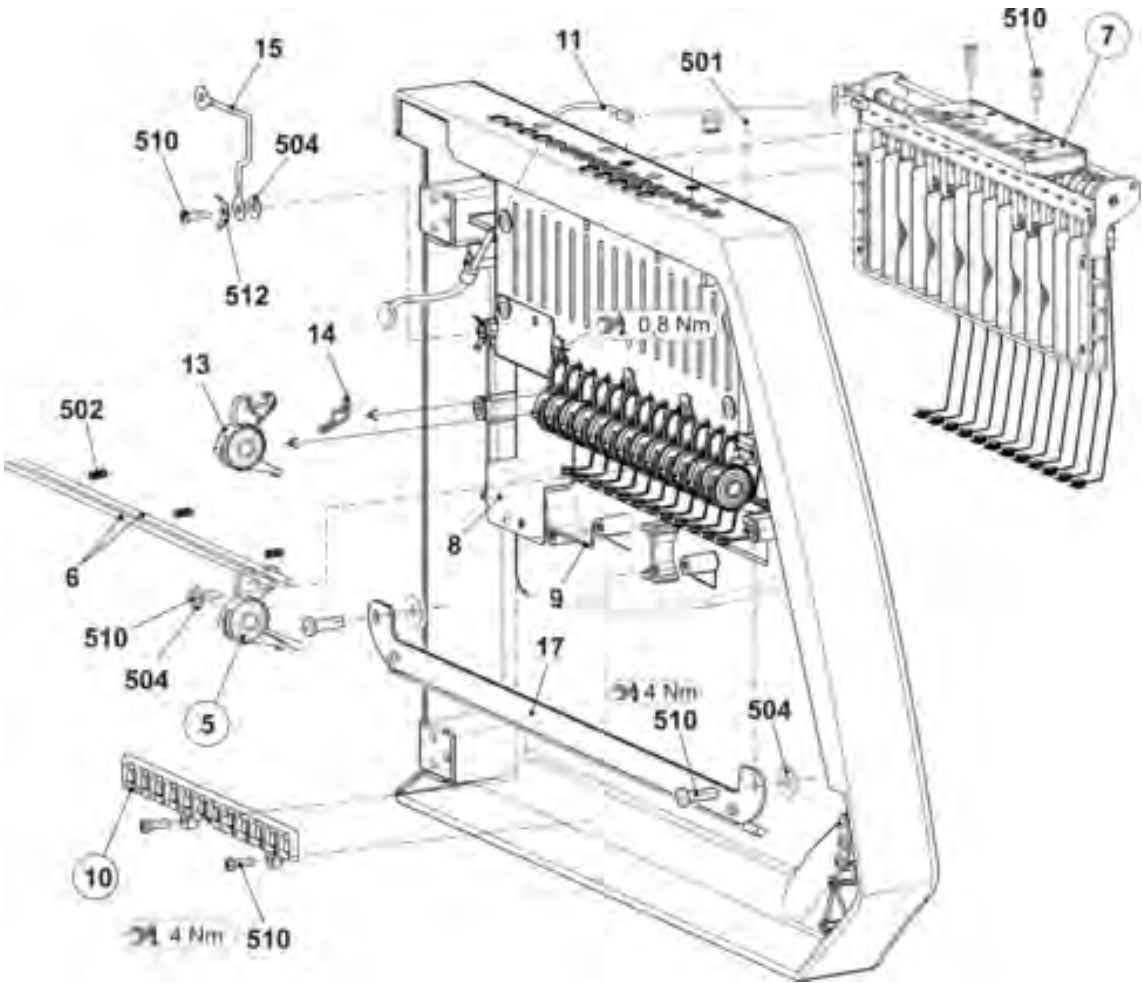
9.3.2 Yarn brake and yarn deflector

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



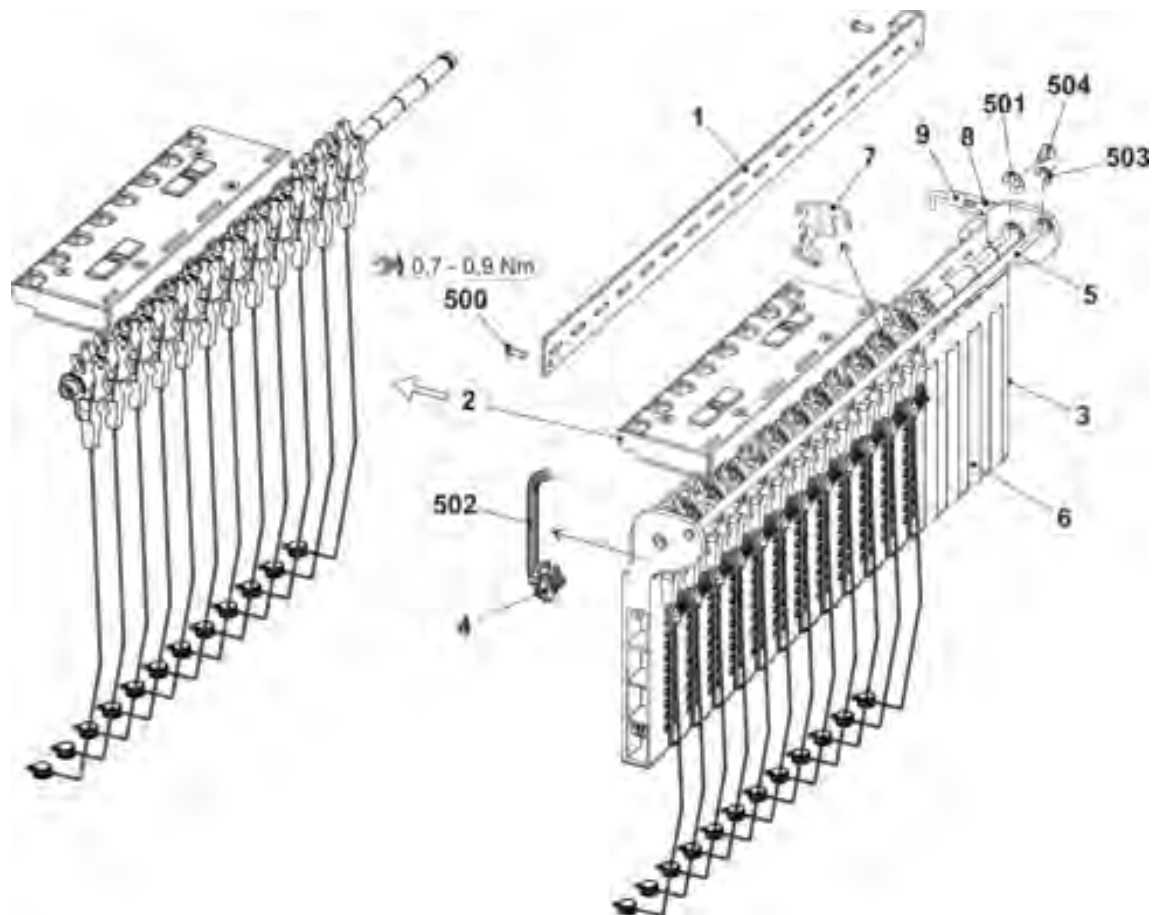
9.4 Right yarn guide

| Pos | Designation                          | ID      | Pos | Designation                        | ID      |
|-----|--------------------------------------|---------|-----|------------------------------------|---------|
| Σ   | Safety door on the right complete    |         |     |                                    |         |
|     | E6.2                                 | 241 275 | 11  | Connection cable yarn tensionerokc | 240 808 |
|     | E7.2   E6.2(12)   E7.2(14)           | 241 276 | 13  | Yarn brake not adjustable          | 244 356 |
| 5   | Yarn brake complete                  | 244 347 | 14  | Clamping bow                       | 244 409 |
| 6   | Wave                                 | 241 318 | 15  | Ground cable                       | 244 404 |
| 7   | Yarn tensioner on the right complete |         | 17  | Stop bar on the right complete     | 258 562 |
|     | E6.2                                 | 241 383 | 501 | Ceramic eyelet                     | 240 640 |
|     | E7.2   E6.2(12)   E7.2(14)           | 241 384 | 502 | Compression spring 0,90x5,40x13,60 | 241 360 |
| 8   | Cover                                | 240 783 | 504 | Washer6                            | 022 537 |
| 9   | Wire bow on the right                | 241 369 | 510 | Screw KB 60x20                     | 237 682 |
| 10  | Yarn deflector                       | 242 011 | 512 | Flat connector 2x45° M6            | 243 117 |



### 9.4.1 Right yarn tensioner

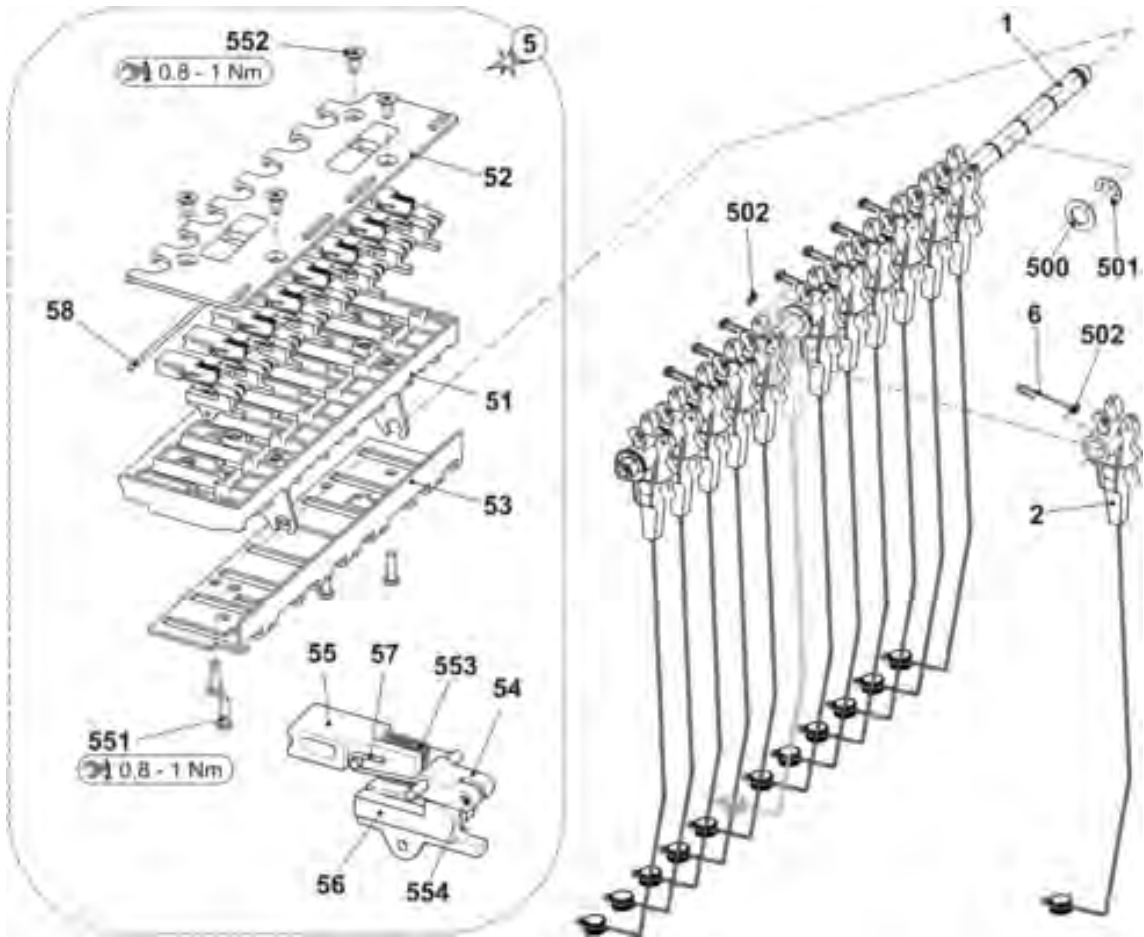
| Pos | Designation                              | ID      |  | Pos | Designation                                           | ID      |
|-----|------------------------------------------|---------|--|-----|-------------------------------------------------------|---------|
| Σ   | Yarn tensioner on the right complete     |         |  |     |                                                       |         |
|     | E7-8 (E6.2)                              | 241 383 |  | 7   | Spacer                                                | 242 048 |
|     | E10-18 (E7.2   E6.2(12)   E7.2(14))      | 241 384 |  | 8   | Grounding plate of tension axle                       | 243 121 |
| 1   | Card yarn tensioner 16-fold on the right | 241 346 |  | 9   | Ground cable yarn tensioner okc                       | 243 105 |
| 2   | Tension axle on the right completeE3-8   | 241 379 |  | 500 | Screw KB 30x8                                         | 236 228 |
|     | Tension axle on the right completeE10-18 | 241 380 |  | 501 | Circlip                                               | 021 022 |
| 3   | Housing                                  | 241 367 |  | 502 | Tension spring 4,9x0,5x53 E6.2                        | 023 503 |
| 4   | Slider                                   | 241 694 |  |     | Tension spring 4,9x0,5x53 E7.2   E6.2(12)   E7.2(14)) | 023 504 |
| 5   | Stop point                               | 241 368 |  | 503 | Circlip                                               | 021 020 |
| 6   | Border                                   | 242 268 |  | 504 | Countersunk screw M4x10                               | 241 914 |



9.4 Right yarn guide

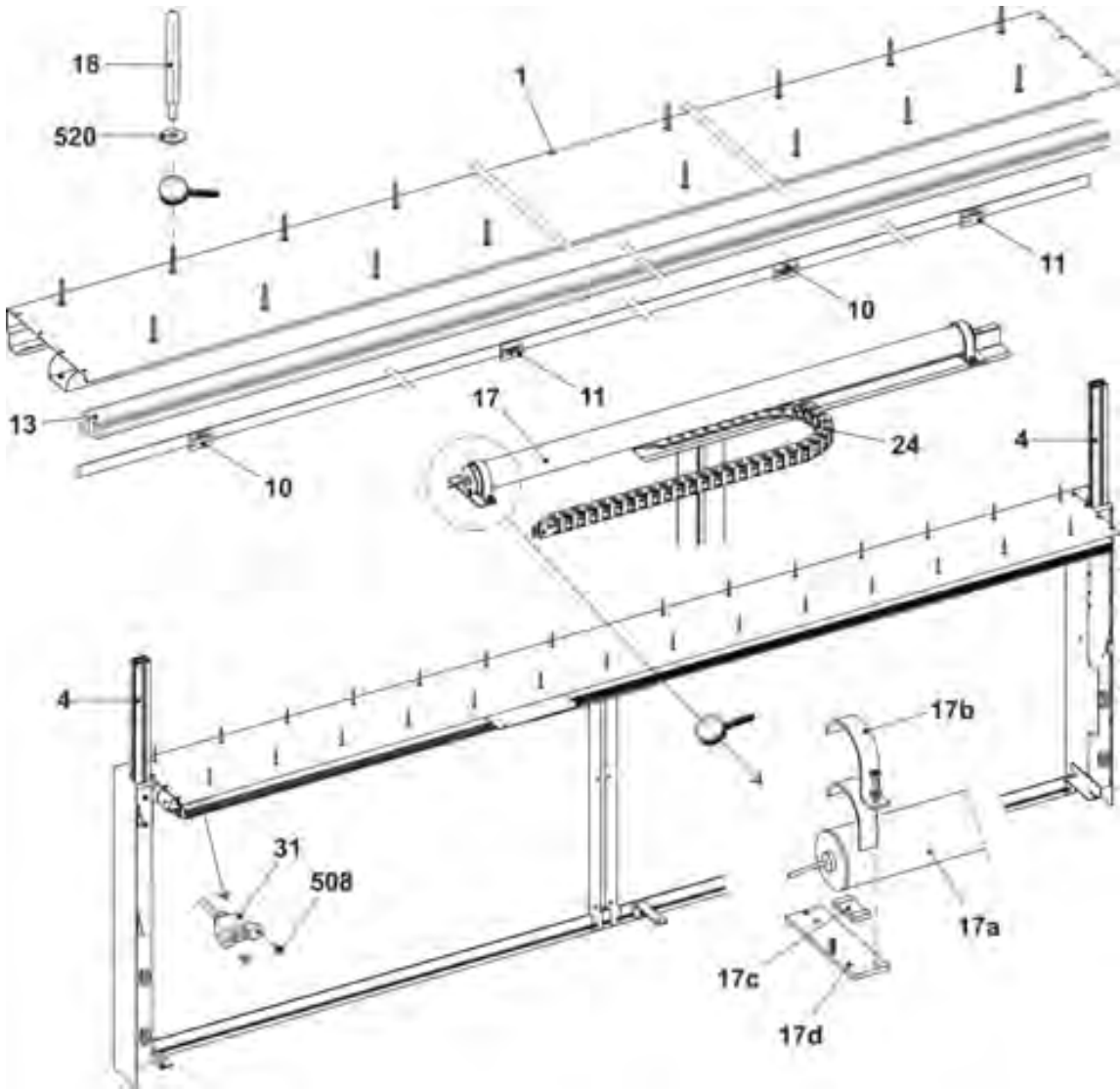
9.4.1.1 Right tension axle

| Pos | Designation                              | ID      | Pos | Designation                        | ID      |
|-----|------------------------------------------|---------|-----|------------------------------------|---------|
| Σ   | Tension axle on the right completeE3-8   | 241 379 | 55  | Pressure piece AKF                 | 238 690 |
|     | Tension axle on the right completeE10-18 | 241 380 | 56  | SliderAKF                          | 238 691 |
| 1   | Axle                                     | 243 107 | 57  | Wire bow                           | 238 694 |
| 2   | Tension arm pre-assembledE3-8            | 259 448 | 58  | Wire                               | 237 940 |
|     | Tension arm pre-assembledE10-18          | 258 459 | 551 | Screw KB 35x12                     | 237 681 |
| 6   | Wire bow                                 | 238 694 | 552 | Screw KB 40x8                      | 236 227 |
| 5   | Thread clamp AKF                         | 238 695 | 553 | Compression spring 0,30x4,50x18,50 | 241 437 |
| 51  | HousingAKF                               | 238 689 | 554 | Grooved pin 2x6                    | 243 172 |
| 52  | Cover AKF                                | 237 926 | 500 | Shim ring 8x14x0,5                 | 023 501 |
| 53  | Sheet metal at the bottom (housing AKF)  | 240 719 | 501 | Circlip                            | 021 022 |
| 54  | Lever AKF                                | 238 692 | 502 | Grooved pin 2x6                    | 243 172 |



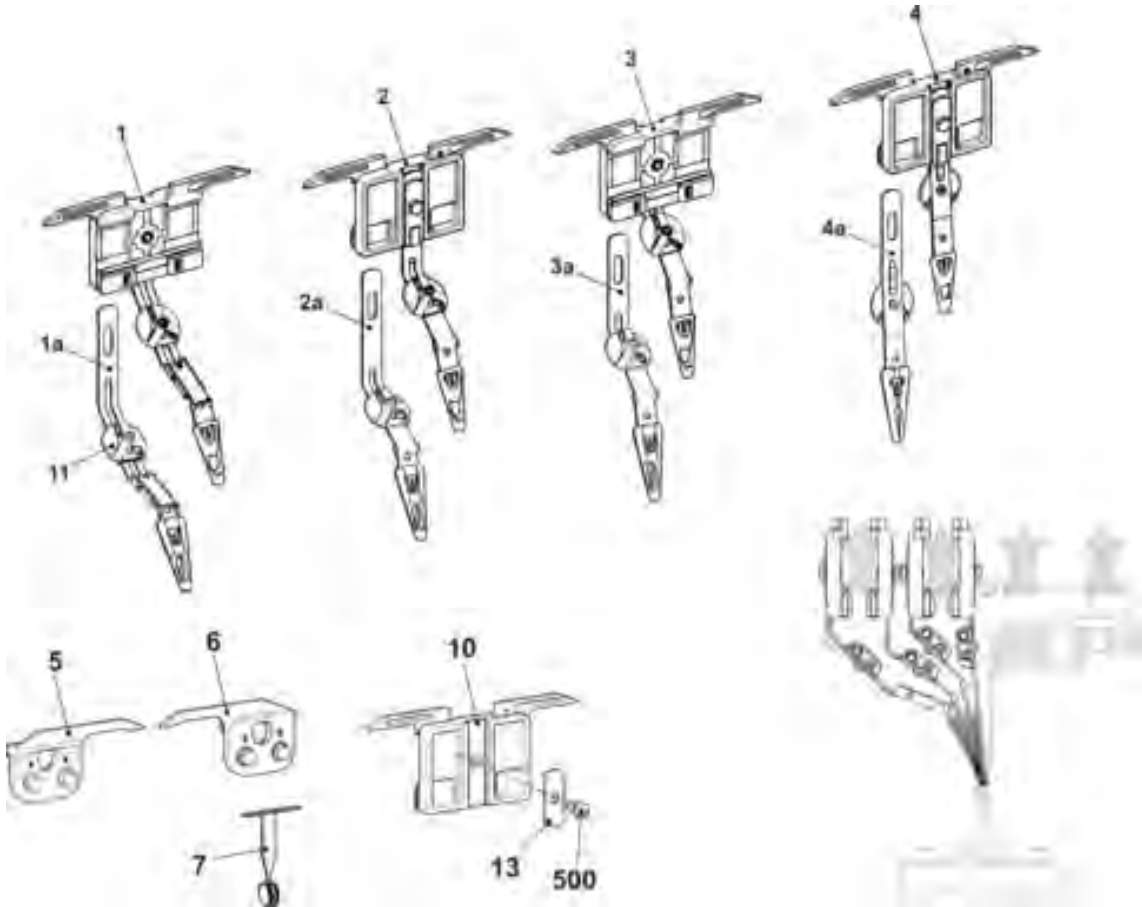
9.5 Bobbin board

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



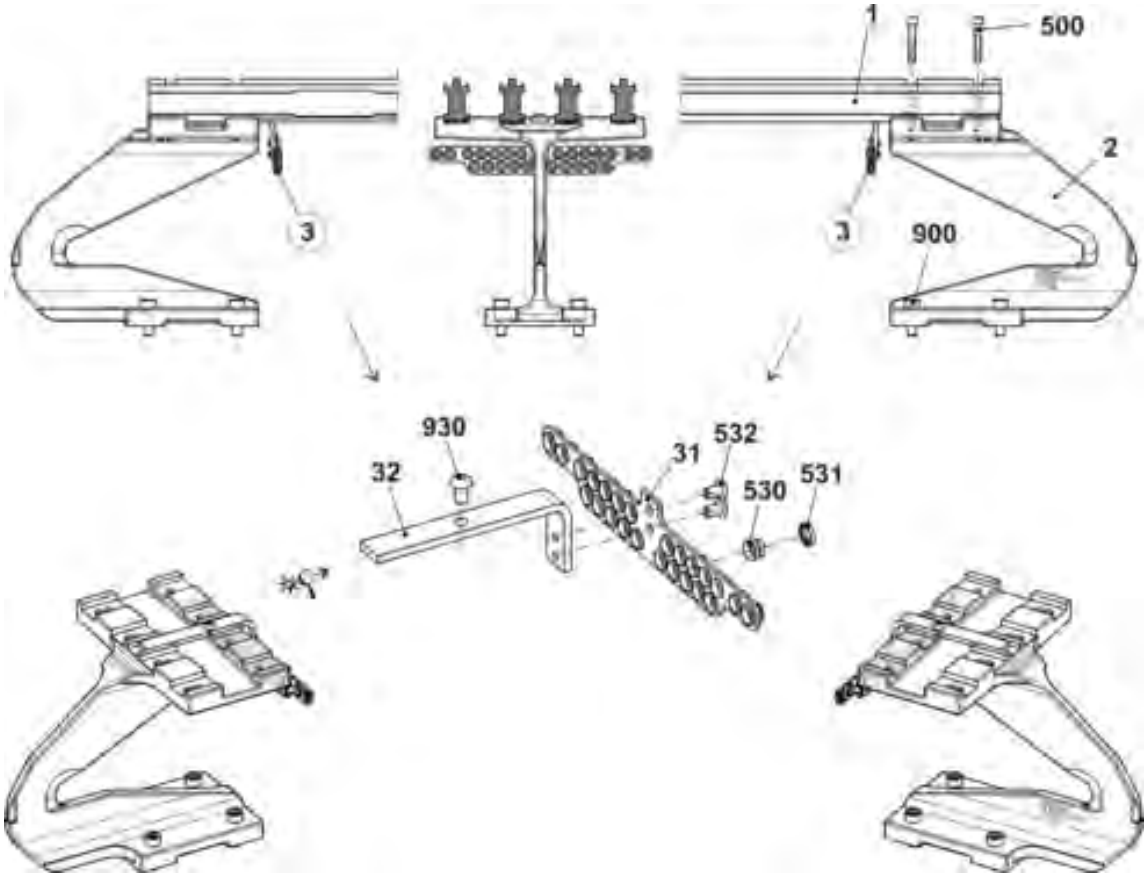
9.6 Yarn guide complete

| Pos                        | Designation                   | Track | ID      |                            | Pos | Designation                | ID      |
|----------------------------|-------------------------------|-------|---------|----------------------------|-----|----------------------------|---------|
| Σ                          | Yarn guide complete           |       |         |                            |     |                            |         |
|                            | E6.2                          |       | 244 004 |                            |     |                            |         |
|                            | E7.2   E6.2(12)   E7.2(14)    |       | 244 005 |                            |     |                            |         |
| E6.2                       |                               |       |         | E6.2                       |     |                            |         |
| 1                          | FF carriage complete E7-8     | 1+8   | 243 939 |                            | 1a  | FF bow 1+8 complete E7-8   | 212 892 |
| 2                          | FF carriage complete E7-8     | 2+7   | 243 938 |                            | 2a  | FF bow 2+7 complete E7-8   | 212 914 |
| 3                          | FF carriage complete E7-8     | 3+6   | 243 937 |                            | 3a  | FF bow 3+6 complete E7-8   | 212 925 |
| 4                          | FF carriage complete E7-8     | 4+5   | 243 936 |                            | 4a  | FF bow 4+5 complete E7-8   | 212 910 |
| E7.2   E6.2(12)   E7.2(14) |                               |       |         | E7.2   E6.2(12)   E7.2(14) |     |                            |         |
| 1                          | FF carriage complete E10-14   | 1+8   | 243 943 |                            | 1a  | FF bow 1+8 complete E10-14 | 212 994 |
| 2                          | FF carriage complete E10-14   | 2+7   | 243 942 |                            | 2a  | FF bow 2+7 complete E10-14 | 212 996 |
| 3                          | FF carriage complete E10-14   | 3+6   | 243 941 |                            | 3a  | FF bow 3+6 complete E10-14 | 212 995 |
| 4                          | FF carriage complete E10-14   | 4+5   | 243 940 |                            | 4a  | FF bow 4+5 complete E10-14 | 212 997 |
| 5                          | Limiter on the left complete  |       | 244 099 |                            | 11  | Yarn guide star complete   | 209 257 |
| 6                          | Limiter on the right complete |       | 244 098 |                            | 13  | Shim                       | 213 035 |
| 7                          | Slider with eyelet            |       | 230 709 |                            | 500 | Hexagon screw M5x10        | 020 351 |
| 10                         | FF carriage complete          |       | 243 062 |                            |     |                            |         |



9.7 Bar unit

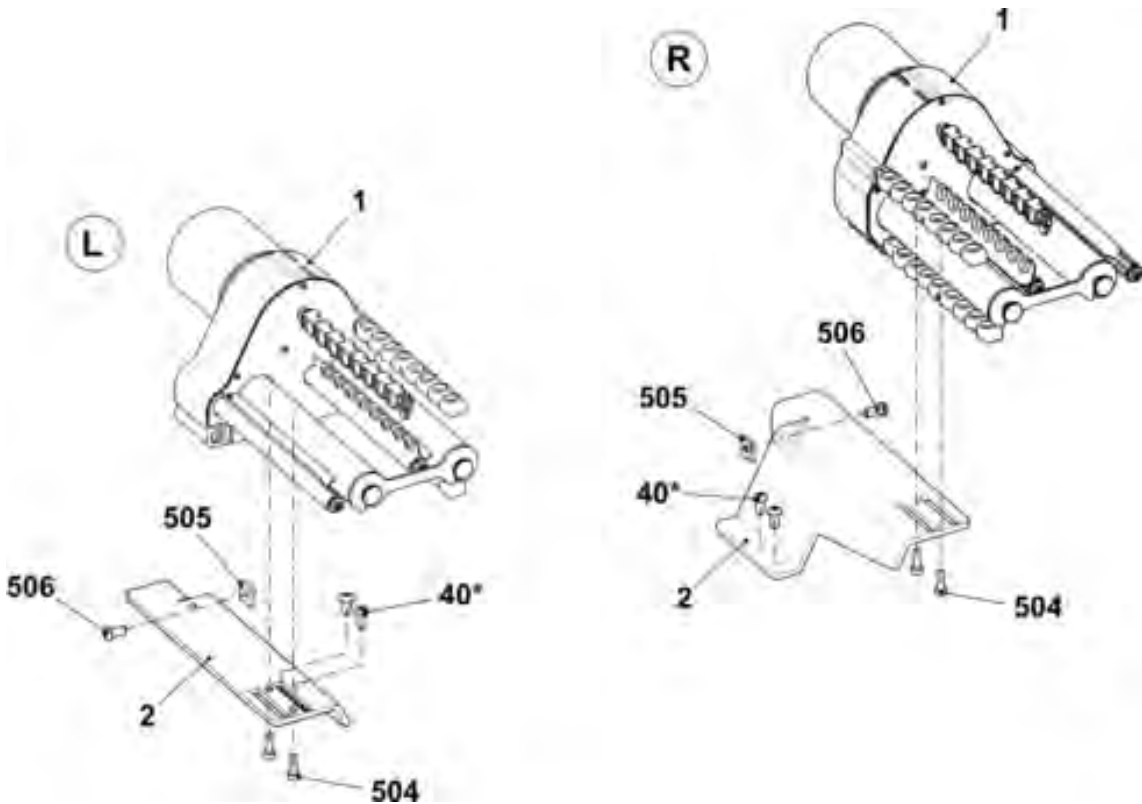
| Pos | Designation                 |                        | ID      |  | Pos | Designation     |                      | ID      |
|-----|-----------------------------|------------------------|---------|--|-----|-----------------|----------------------|---------|
| Σ   | Bar unit                    |                        | 244 101 |  |     | 530             | Eyelet 4,2           | 021 502 |
| 1   | Yarn carrier rail           |                        | 255 466 |  |     | 531             | Clamping ring        | 259 606 |
| 2   | FF support                  |                        | 253 674 |  |     | 532             | Pan-head screw M5x8  | 239 408 |
| 3   | Yarn guide bracket complete |                        | 259 403 |  |     | 930             | Pan-head screw M6x10 | 023 183 |
|     | 31                          | Eyelet holder complete | 259 402 |  | 500 | Cap screw M6x35 |                      | 020 139 |
|     | 32                          | Holding angle          | 259 574 |  | 900 | Cap screw M8x25 |                      | 020 142 |



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

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

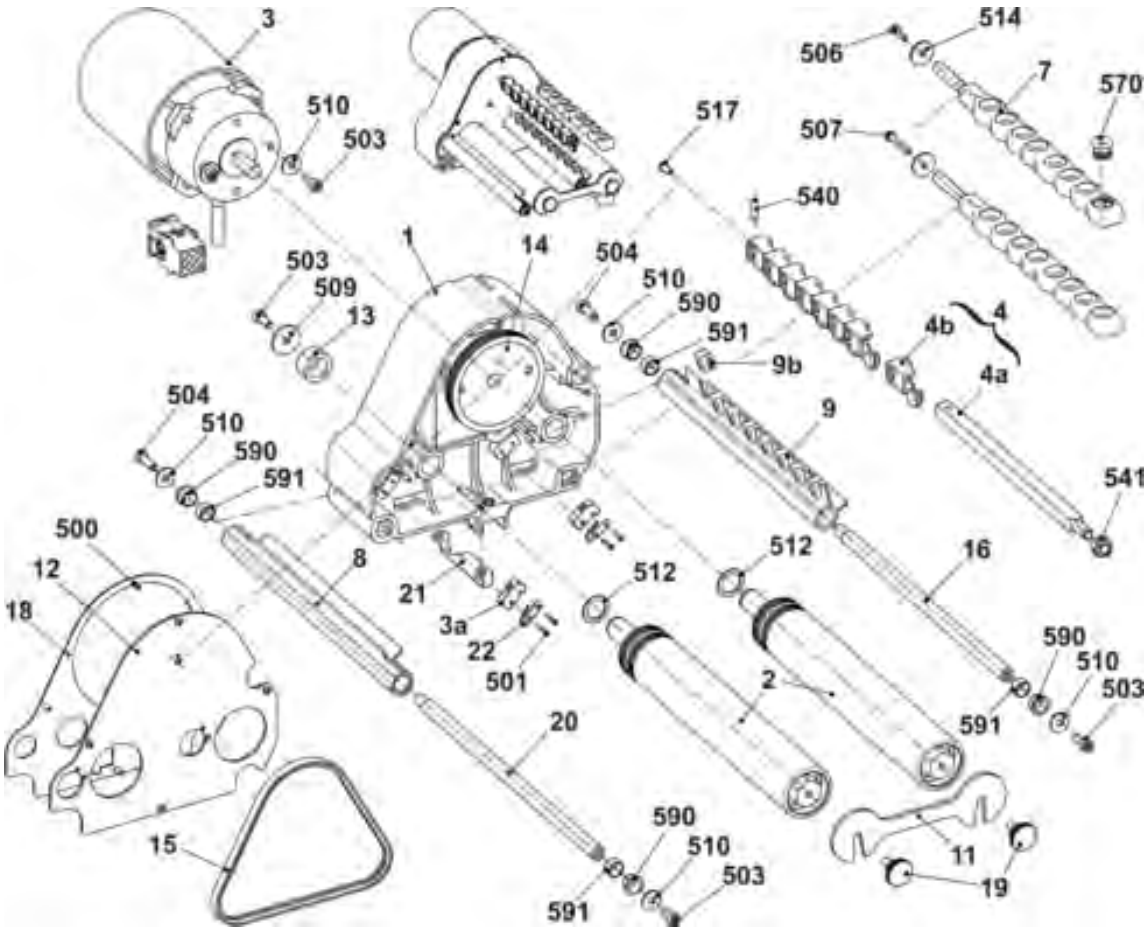
| Pos | Designation                              | Id      |  | Pos | Designation                               | Id      |
|-----|------------------------------------------|---------|--|-----|-------------------------------------------|---------|
| Σ L | Friction feed wheel on the left complete | 243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



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

9.8.1 Left friction feed wheel

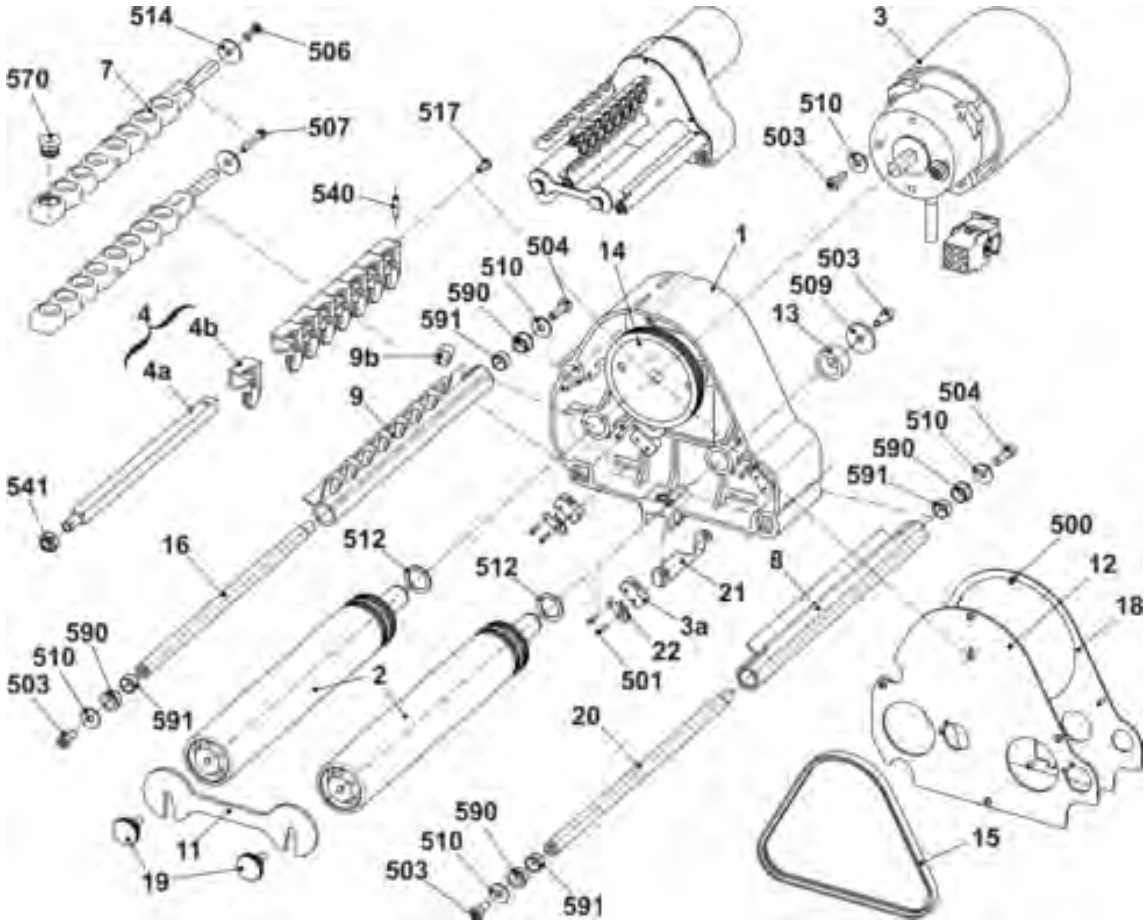
| Pos | Designation                                        |                          | Id      | Pos | Designation           |  | Id      |
|-----|----------------------------------------------------|--------------------------|---------|-----|-----------------------|--|---------|
| Σ   | Friction feed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



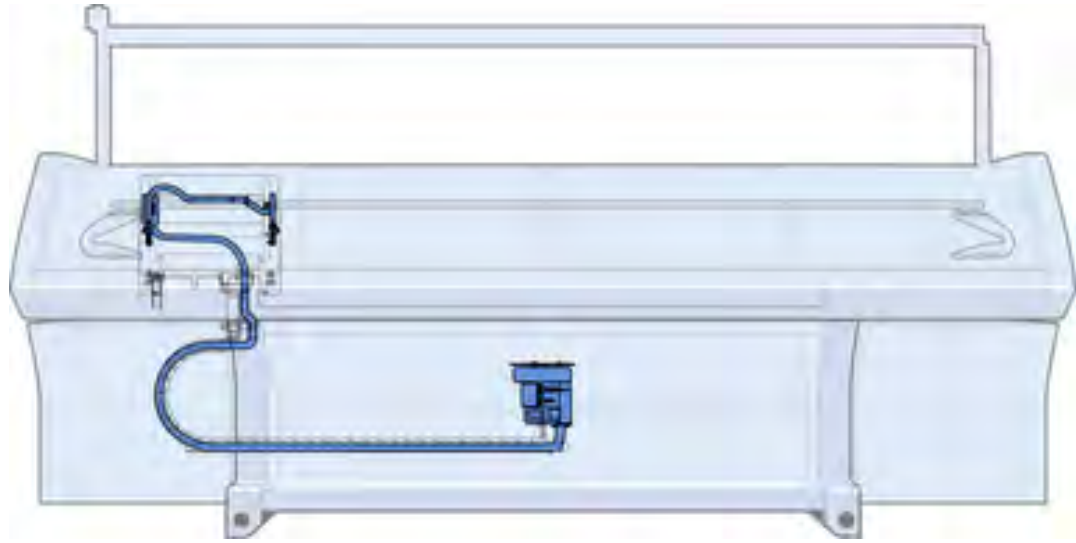
9.8 Friction feed wheel on the left and on the right complete

9.8.2 Right friction feed wheel

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

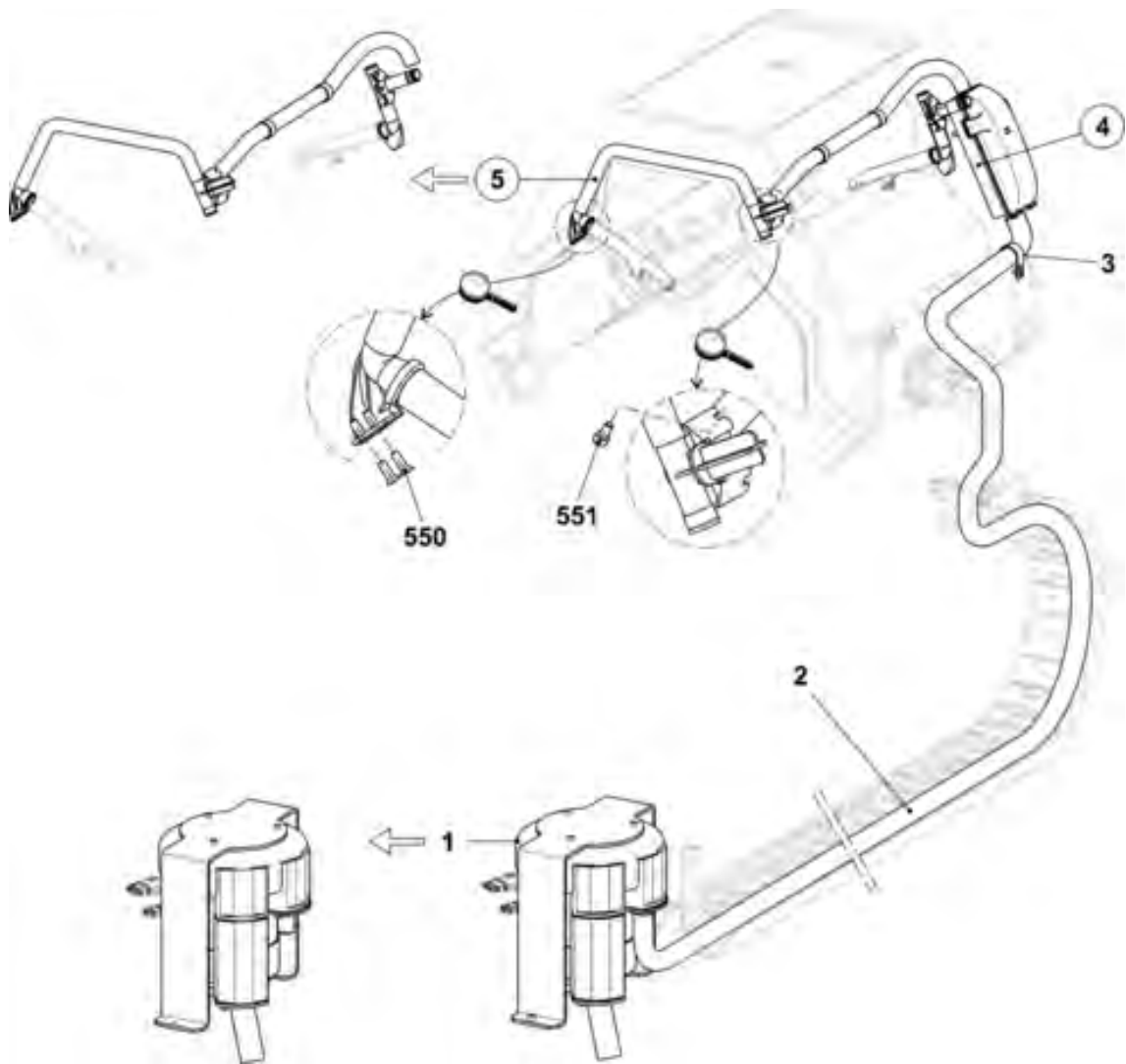


## 10 Fluff absorption



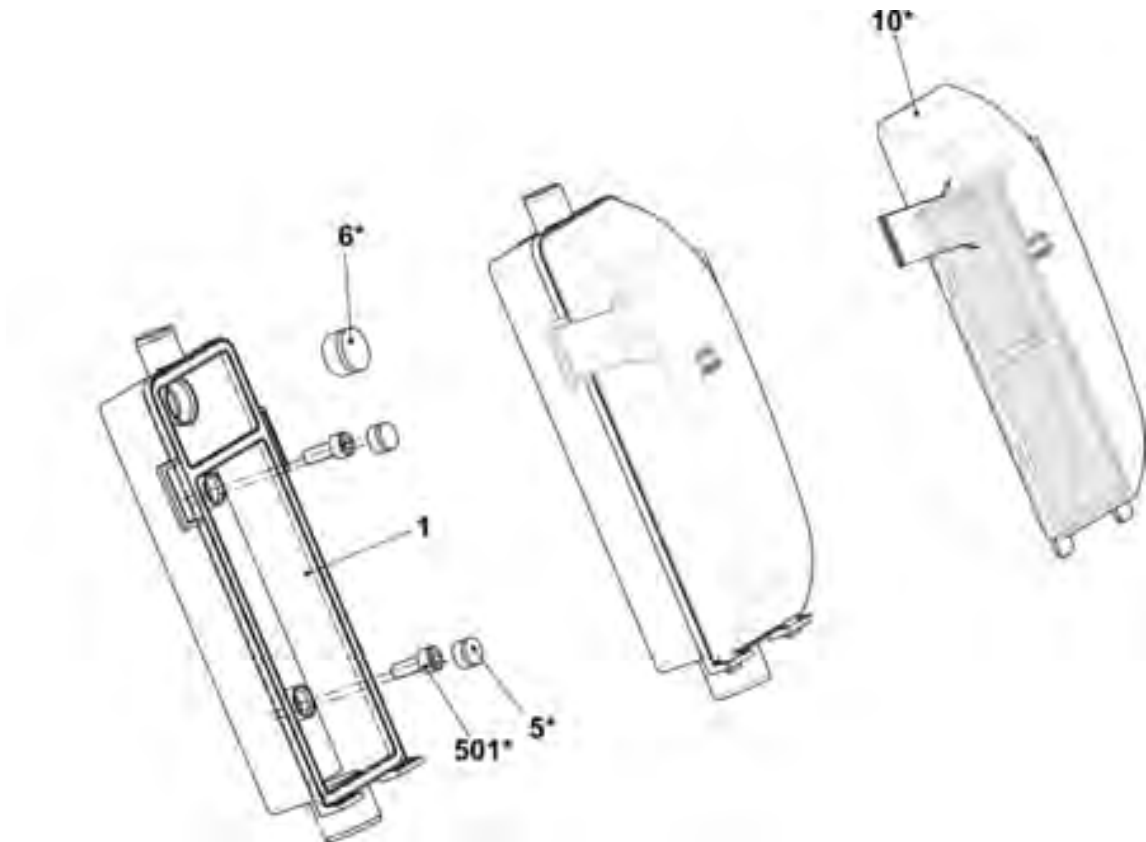
10.1 Fluff absorption

| Pos | Designation             | ID      |  | Pos | Designation                  | ID      |
|-----|-------------------------|---------|--|-----|------------------------------|---------|
| Σ   | Fluff absorption        |         |  |     |                              |         |
| 1   | Suction fan complete    | 251 332 |  | 5   | Set of hose complete         | 251 342 |
| 2   | Suction hose 29x25x3350 | 251 328 |  | 550 | Countersunk head screw M4x12 | 023 062 |
| 3   | Hose clip               | 214 653 |  | 551 | Cap screw M4x8               | 022 501 |
| 4   | Lint container          | 245 024 |  |     |                              |         |



10.2 Lint container

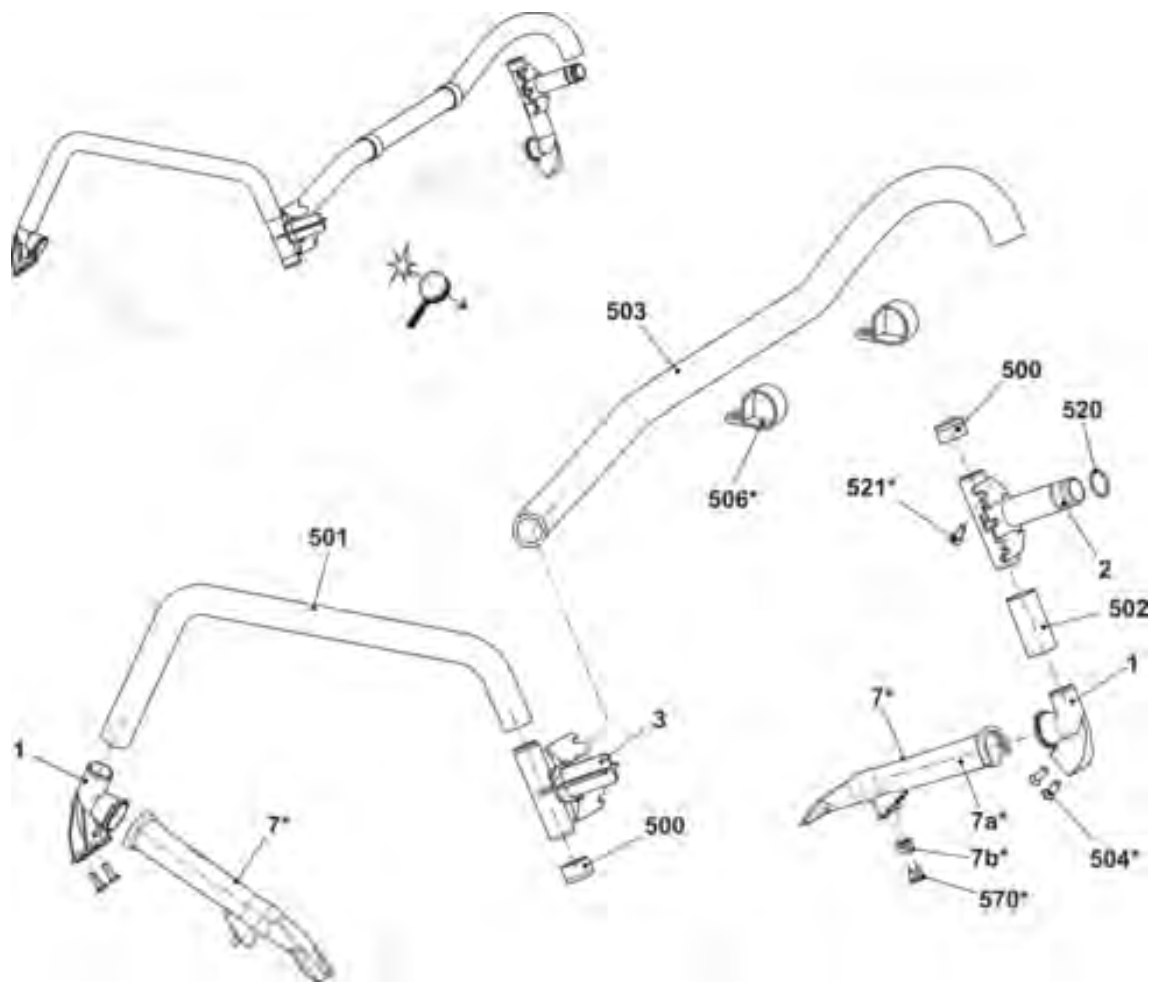
| Pos | Designation    | Id      |  | Pos  | Designation       | Id      |
|-----|----------------|---------|--|------|-------------------|---------|
| Σ   | Lint container |         |  | 6*   | Sealing plug      | 245 029 |
| 1   | Lint container | 245 024 |  | 10*  | Cover with filter | 251 335 |
| 5*  | Sealing plug   | 245 028 |  | 501* | Cap screw M6x10   | 023 690 |



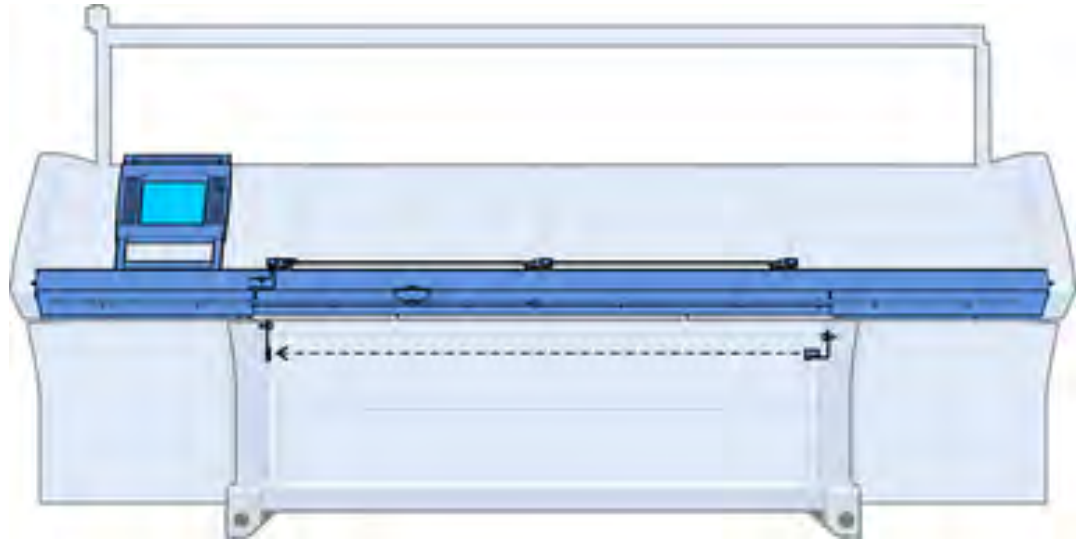
10.3 Set of hose

10.3 Set of hose

| Pos | Designation                     |                | ID      |  | Pos  | Designation                  |              | ID      |
|-----|---------------------------------|----------------|---------|--|------|------------------------------|--------------|---------|
| Σ   | Set of hose complete 530T/730T  |                | 251 342 |  |      | 7b*                          | Bracket      | 255 628 |
| 1   | Angle connection on the right   |                | 250 121 |  |      | 570*                         | Screw KB30x6 | 241 424 |
| 2   | T-piece FLENT                   |                | 245 021 |  | 500  | Sealing plug                 |              | 245 029 |
|     | 520                             | O-ring 15x1,5  | 250 054 |  | 501  | Suction hose 20x16x400       |              | 244 983 |
|     | 521*                            | Cap screw M4x8 | 022 501 |  | 502  | Suction hose 20x16x40        |              | 251 043 |
| 3   | Connection piece FLENT          |                | 245 022 |  | 503  | Suction hose 20x16x570       |              | 251 044 |
| 7*  | Suction tube complete 530T/730T |                | 251 314 |  | 504* | Countersunk head screw M4x12 |              | 023 062 |
|     | 7a*                             | Suction tube   | 255 606 |  | 506* | Cable clip                   |              | 250 051 |



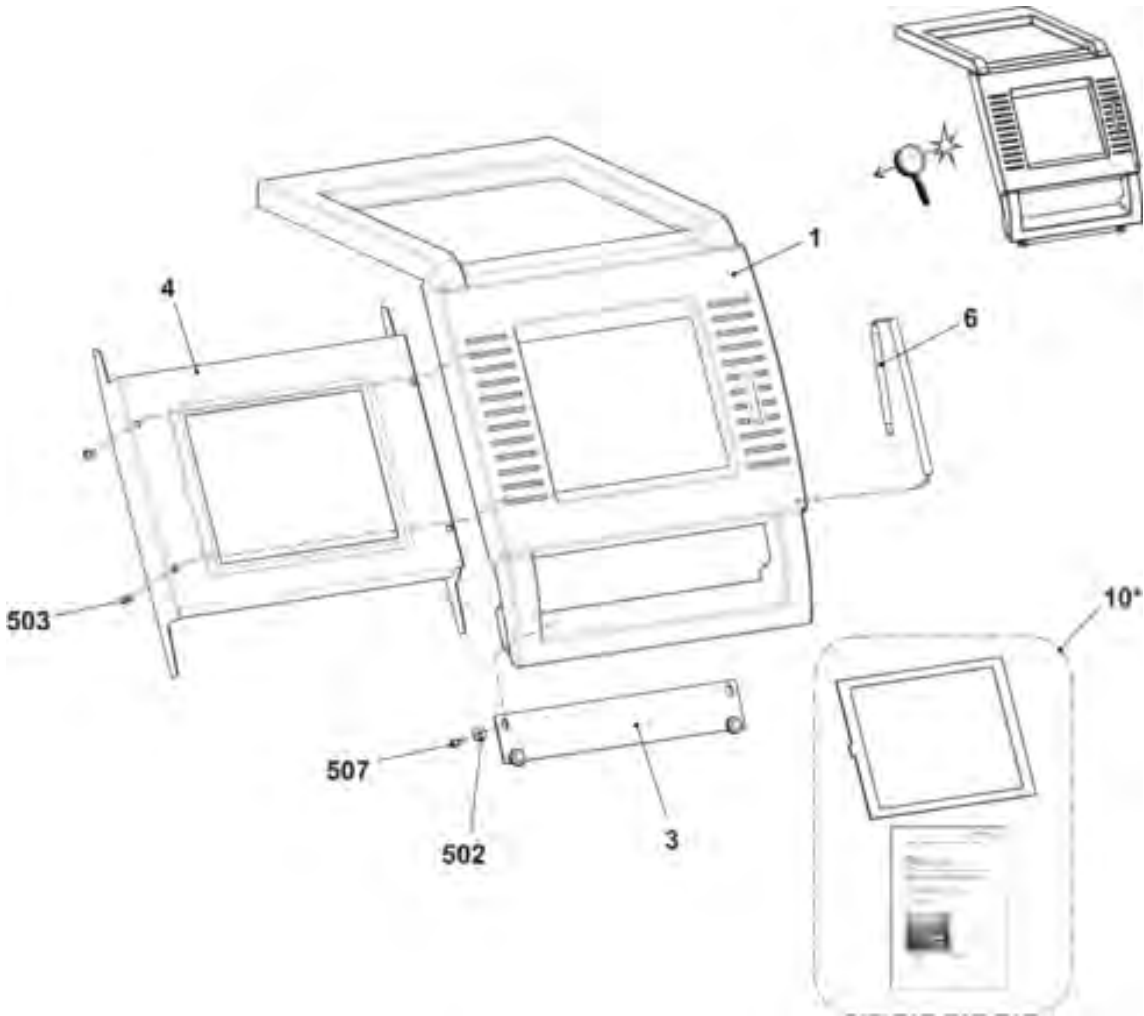
# 11 Operation and control



11.1 Input unit

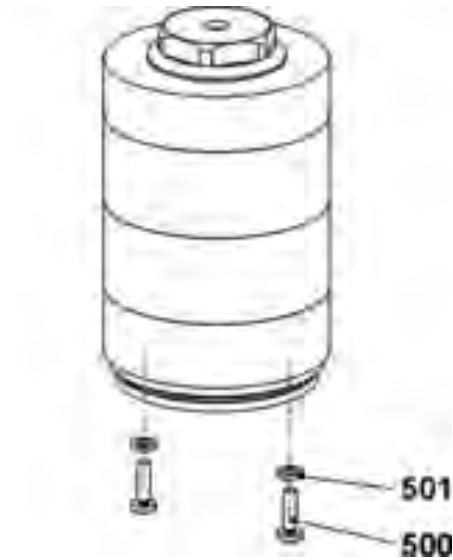
11.1 Input unit

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



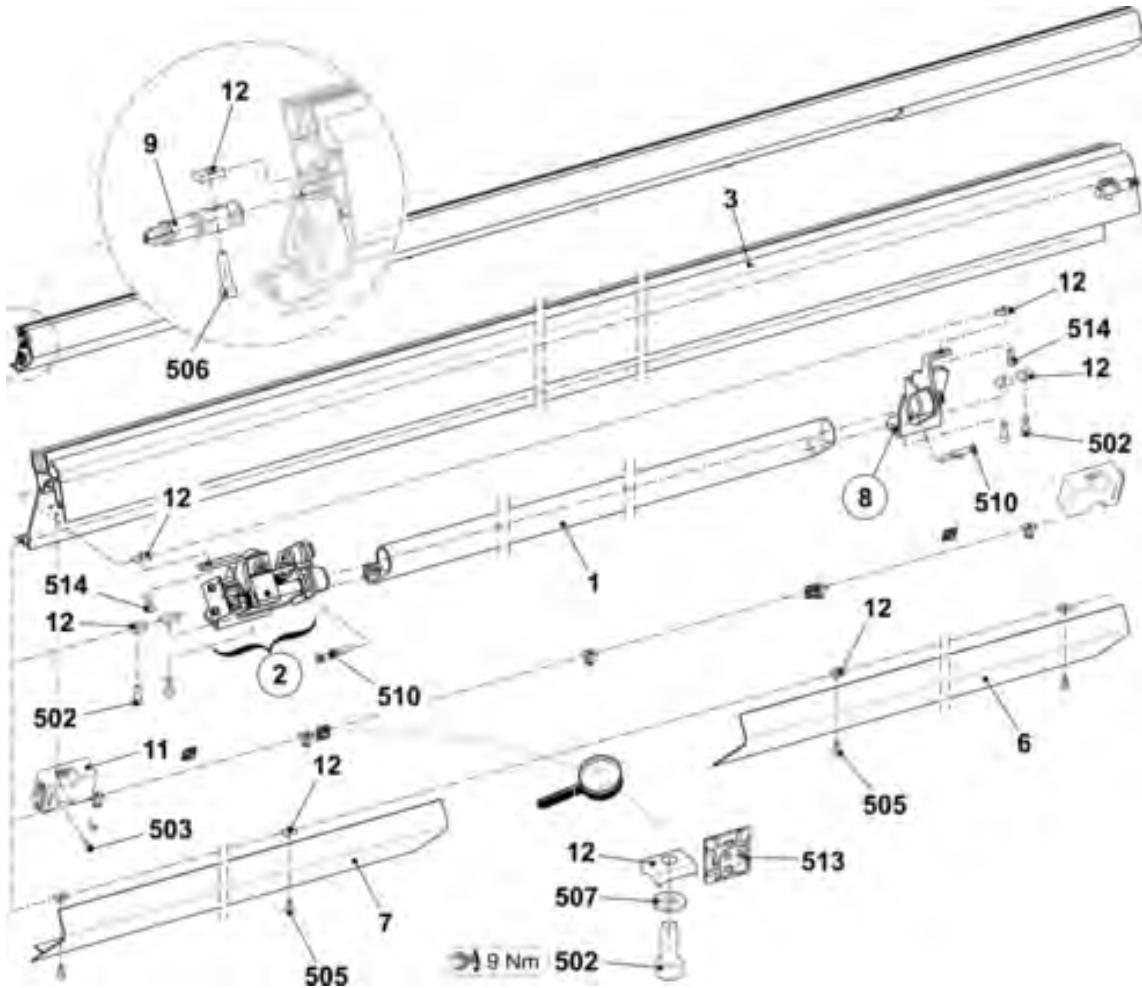
11.2 Signal light

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



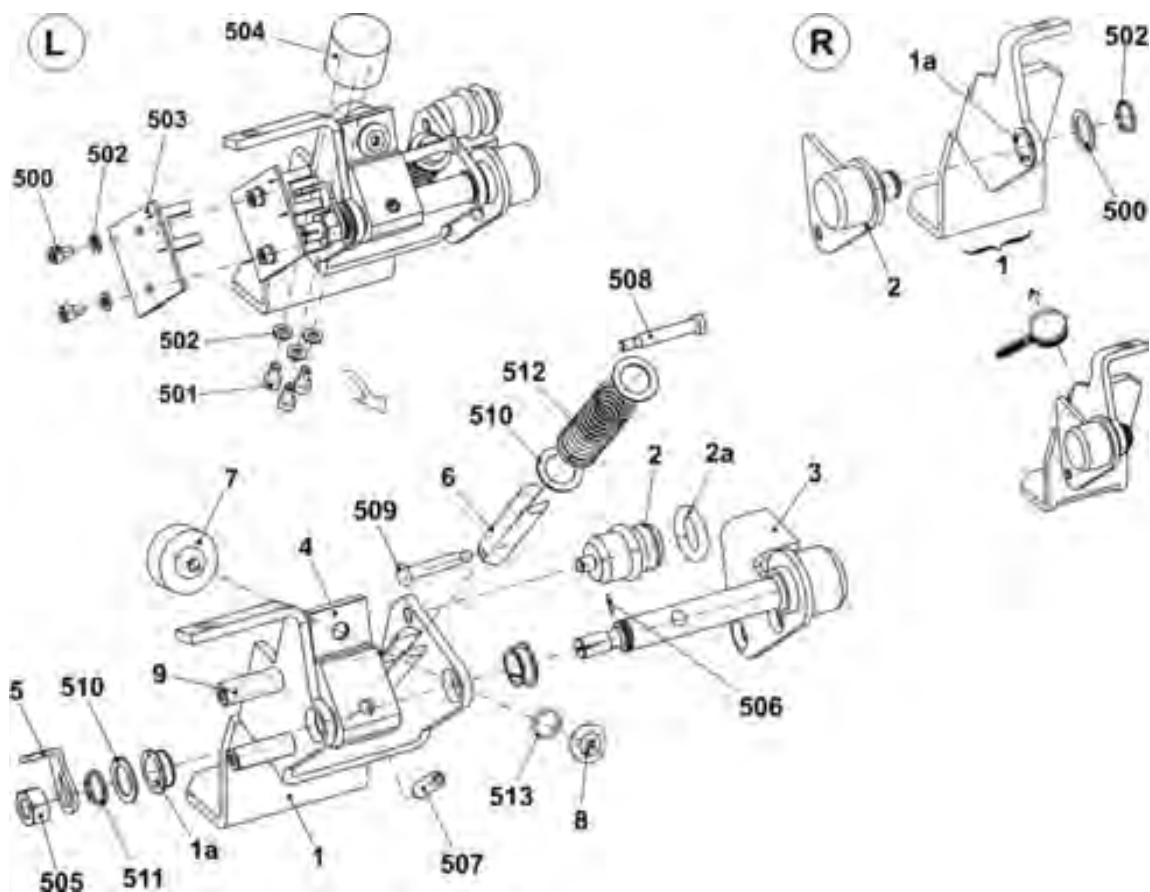
11.3 Starting device

| Pos | Designation                       | Id      |  | Pos | Designation          | Id      |
|-----|-----------------------------------|---------|--|-----|----------------------|---------|
| Σ   | Starting device                   | 240 569 |  | 12  | Slot nut             | 225 099 |
| 1   | Engaging rod                      | 240 718 |  | 502 | Cap screw M6x16      | 020 135 |
| 2   | Bearing on the left complete      | 250 071 |  | 503 | Pan-head screw M5x14 | 023 588 |
| 3   | Guide rail at the bottom complete | 257 516 |  | 505 | Cap screw M6x12      | 020 134 |
| 6   | Cover plate on the right          | 251 214 |  | 506 | Cap screw M6x20-12.9 | 020 136 |
| 7   | Cover plate on the left           | 251 215 |  | 507 | Washer               | 020 872 |
| 8   | Bearing on the right complete     | 252 964 |  | 510 | Screw M6x25          | 023 510 |
| 9   | Locating bolt                     | 219 107 |  | 513 | Adhesive base        | 243 055 |
| 11  | Cable switch safety doors         | 223 350 |  | 514 | Cap screw M6x10      | 023 690 |



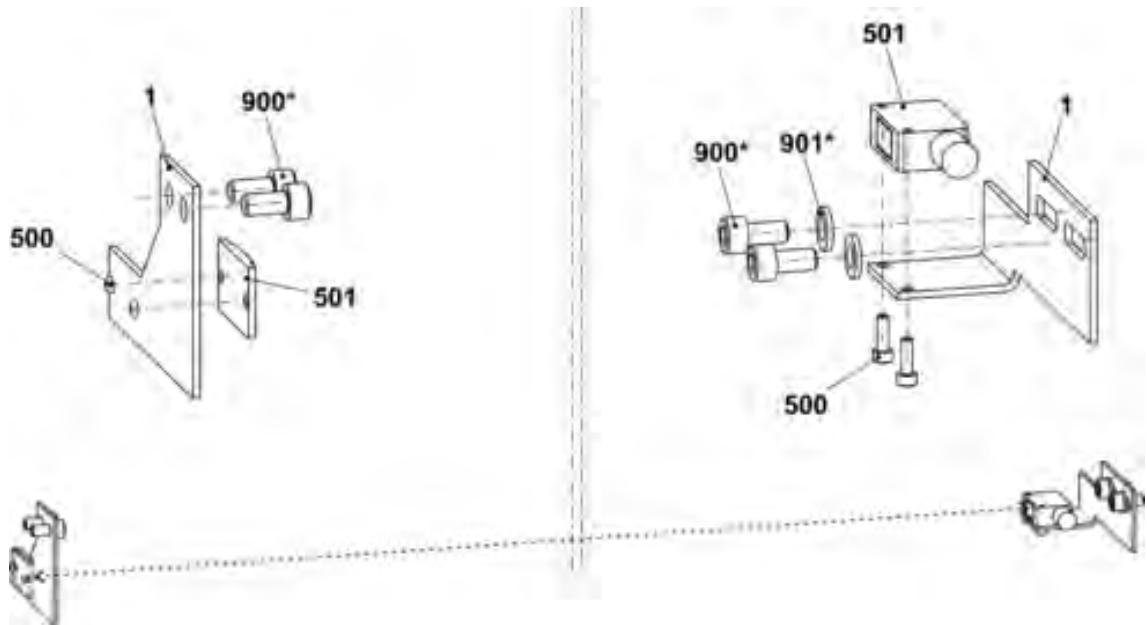
### 11.3.1 Bearing of the engaging rod

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



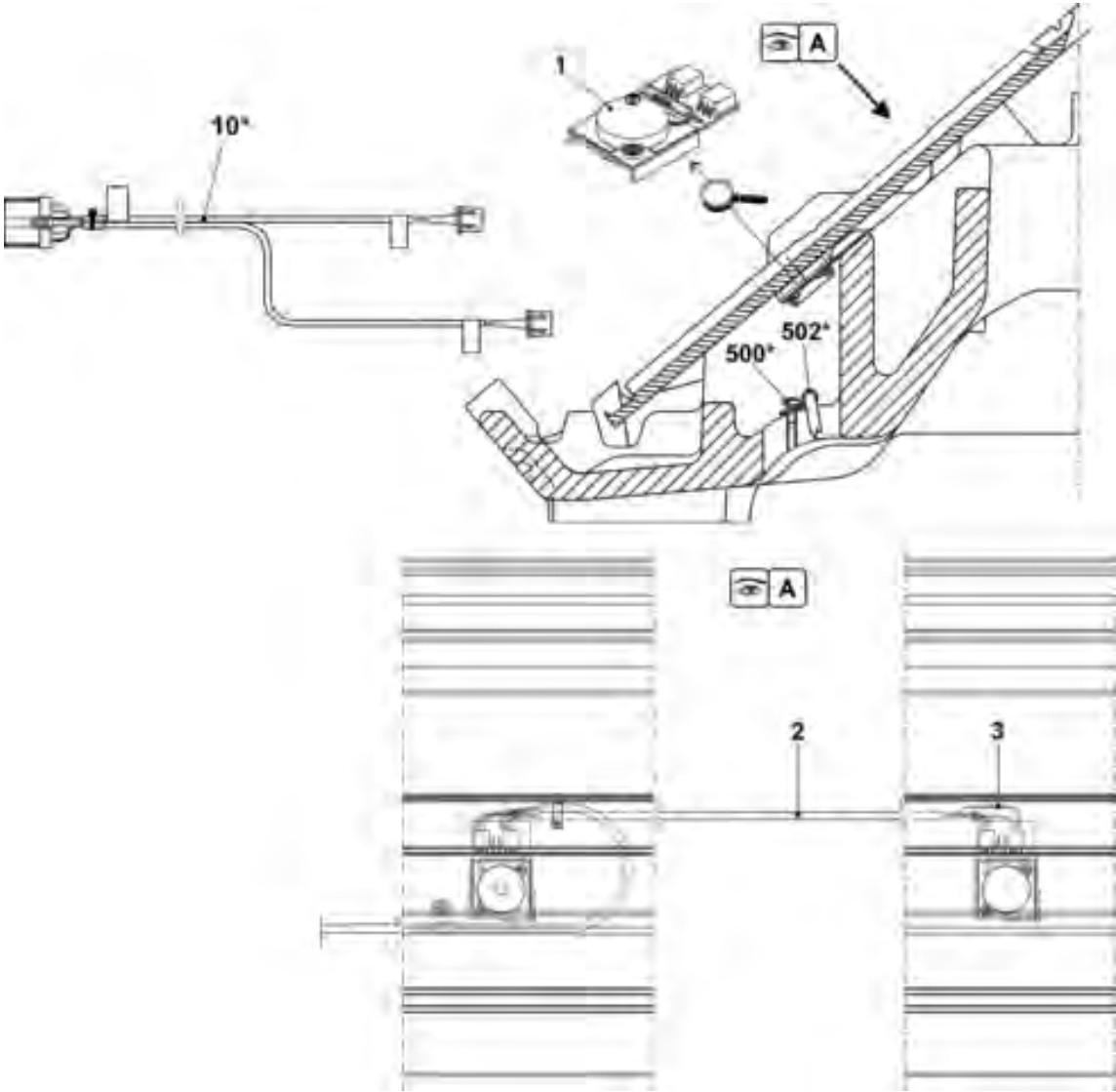
11.4 Collecting area - control

| Pos  | Designation              | ID      |  | Pos  | Designation                 | ID      |
|------|--------------------------|---------|--|------|-----------------------------|---------|
| Σ    | Reflector complete       | 253 535 |  | Σ    | Light barrier complete      | 253 534 |
| 1    | Mounting plate reflector | 243 354 |  | 1    | Holding angle light barrier | 243 353 |
| 500  | Blind rivet A3x8-Al      | 023 158 |  | 500  | Cap screw M3X10             | 022 991 |
| 501  | Reflector 20x20 mm       | 243 356 |  | 501  | Light barrier Wl100-P4330   | 243 355 |
| 900* | Cap screw M6x12          | 020 134 |  | 900* | Cap screw M6x12             | 020 134 |
|      |                          |         |  | 901* | Washer 6                    | 020 872 |



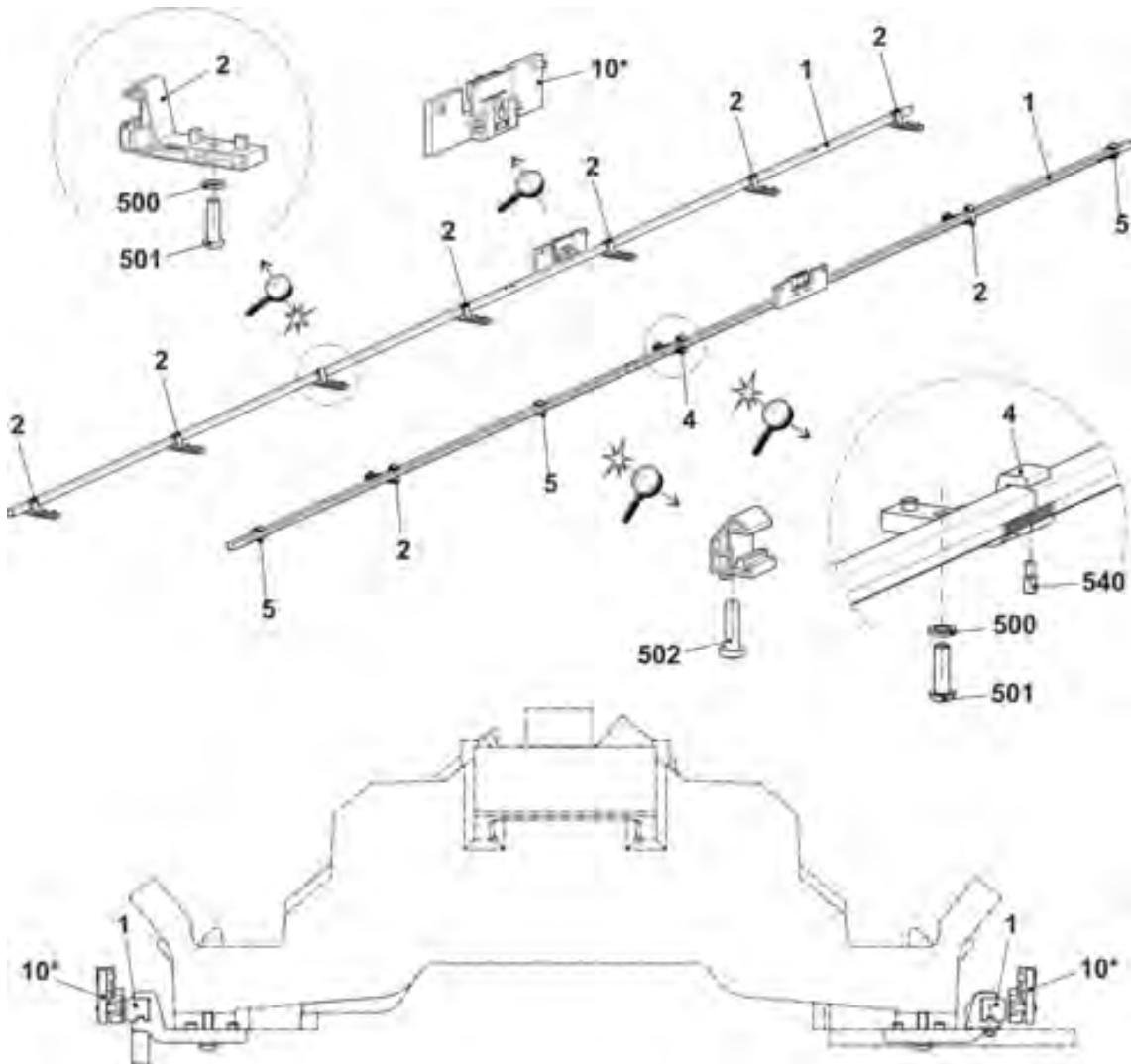
11.5 Shock stop motion

| Pos | Designation                   | ID      |  | Pos  | Designation           | ID      |
|-----|-------------------------------|---------|--|------|-----------------------|---------|
| Σ   | Shock stop motion complete    | 223 947 |  |      |                       |         |
| 1   | Shock stop motion (Piezo)     | 220 011 |  | 10*  | Cable piezo NB OKC    | 240 518 |
| 2   | Connecting cable piezo sensor | 220 061 |  | 500* | Pan-head screw M4x8   | 023 036 |
| 3   | End plug piezo sensor         | 220 053 |  | 502* | Cable clip N-3B, 5 mm | 210 729 |

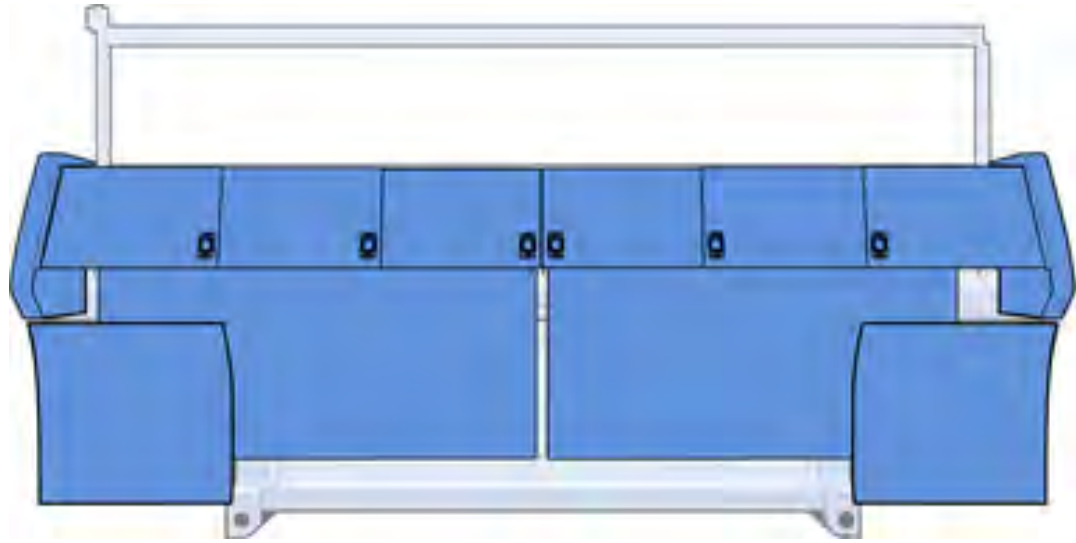


11.6 Measuring device

| Pos | Designation      |          | Id      |  | Pos | Designation                            |  | Id      |
|-----|------------------|----------|---------|--|-----|----------------------------------------|--|---------|
| Σ   | Measuring device |          |         |  | 5   | Guide exterior                         |  | 251 605 |
| 1   | Measuring bar    |          | 258 301 |  | 10* | Spare parts package impulse sensor GLM |  | 259 613 |
| 2   | Guide            |          | 251 676 |  | 500 | Washer                                 |  | 020 881 |
| 4   | Guide            |          | 240 672 |  | 501 | Pan-head screw                         |  | 241 603 |
|     | 540              | Setscrew | 230 803 |  | 502 | Screw 60x20                            |  | 243 625 |



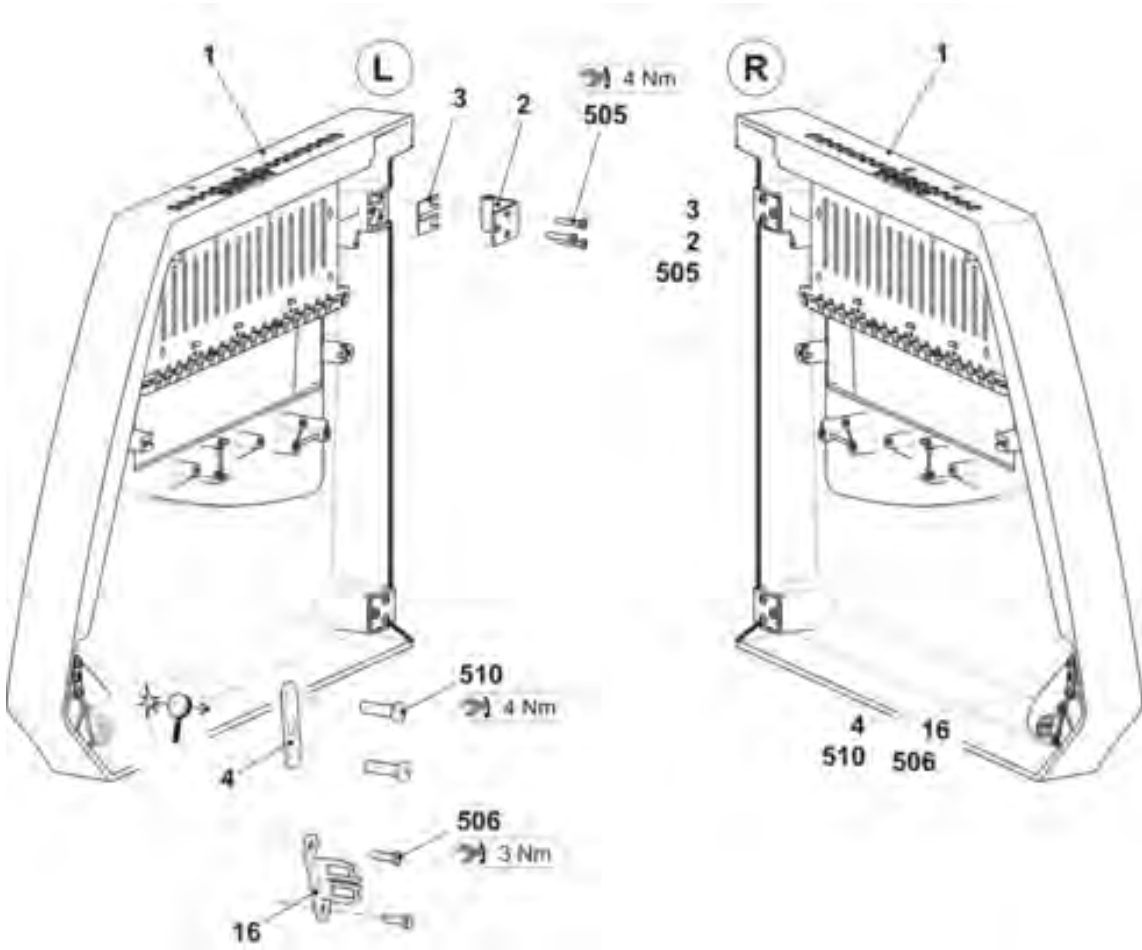
## 12 Protective device



12.1 Lateral safety doors

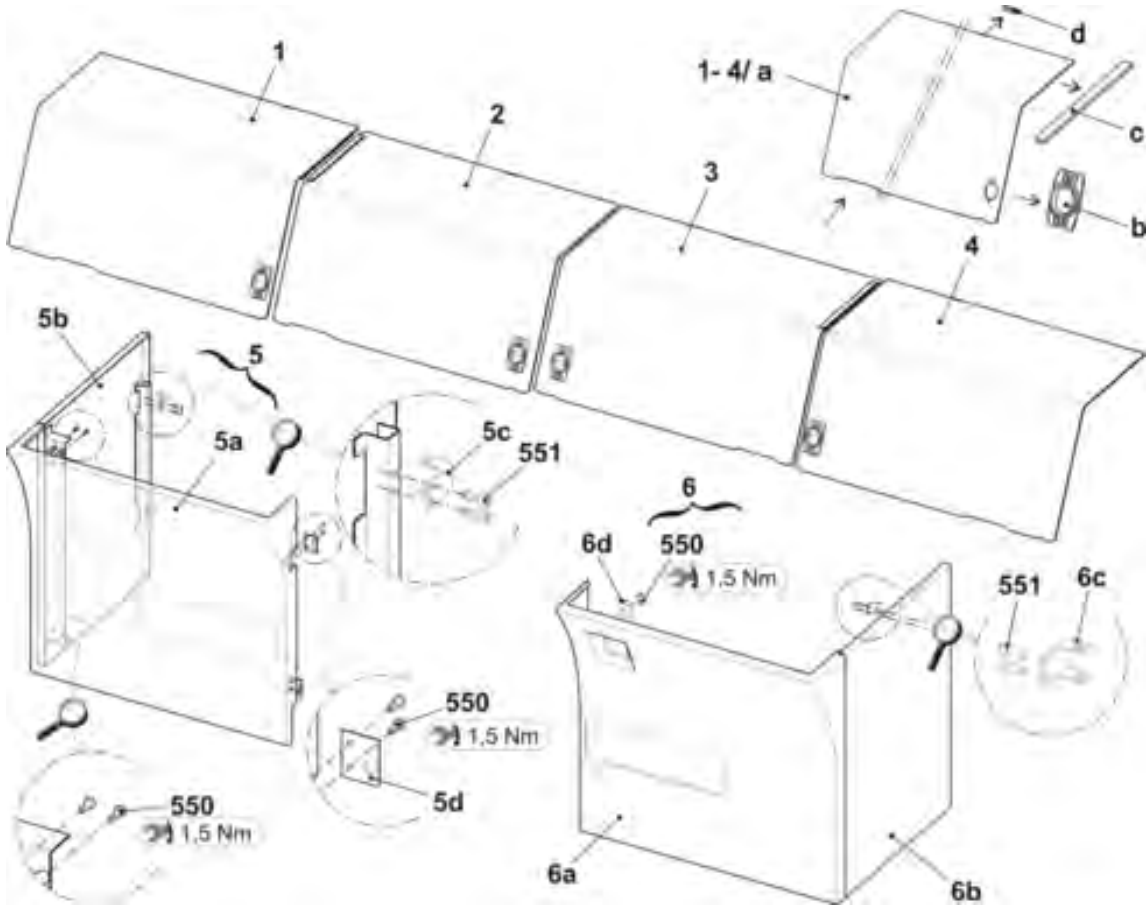
12.1 Lateral safety doors

| Pos | Designation                     | ID      |  | Pos | Designation                     | ID      |
|-----|---------------------------------|---------|--|-----|---------------------------------|---------|
| Σ   | Left safety door                |         |  | Σ   | Right safety door               |         |
|     | E3 , E6.2                       | 241 272 |  |     | E3 , E6.2                       | 241 275 |
|     | E3 , E7.2   E6.2(12)   E7.2(14) | 241 273 |  |     | E3 , E7.2   E6.2(12)   E7.2(14) | 241 276 |
| 1   | Safety door on the left         | 250 562 |  | 1   | Safety door on the right        | 250 563 |
| 2   | Hinge                           | 241 994 |  | 505 | Screw KB 60x30                  | 237 683 |
| 3   | Plate                           | 224 717 |  | 510 | Screw KB 60x20                  | 237 682 |
| 4   | Locking plate                   | 219 748 |  |     |                                 |         |



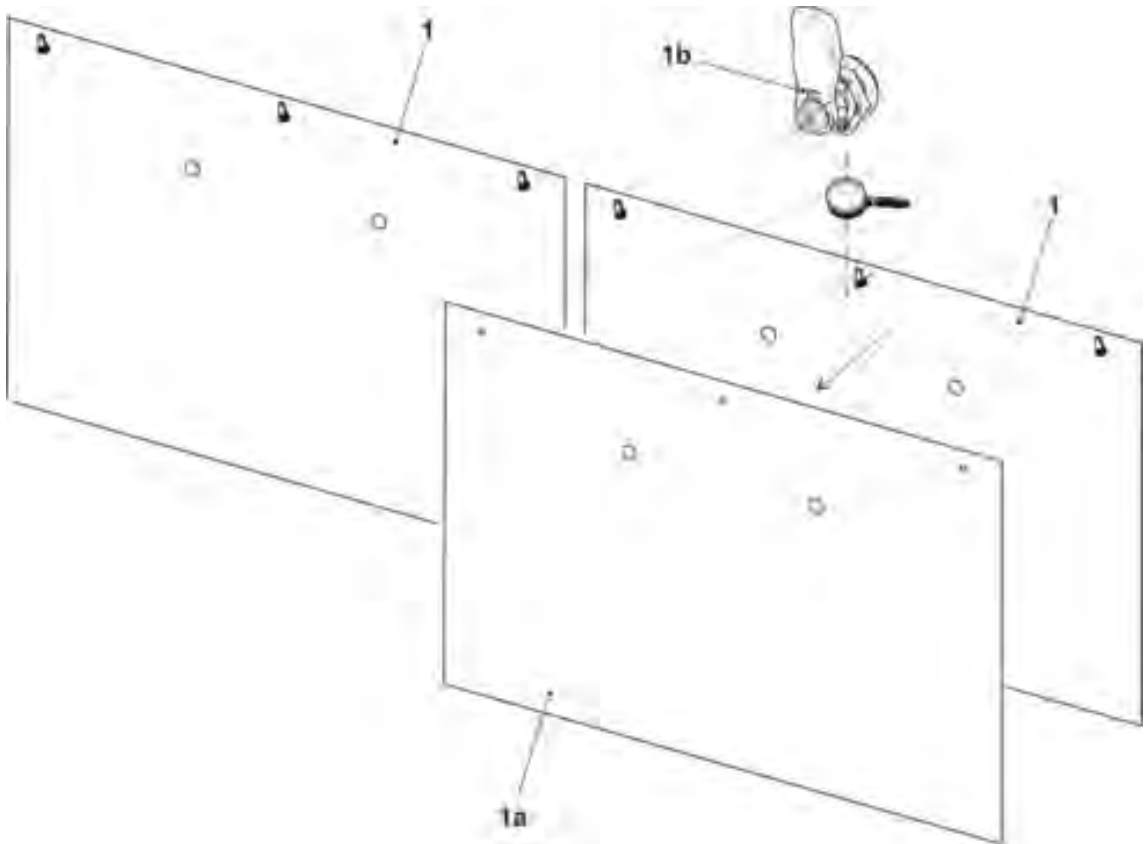
12.2 Panelling

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

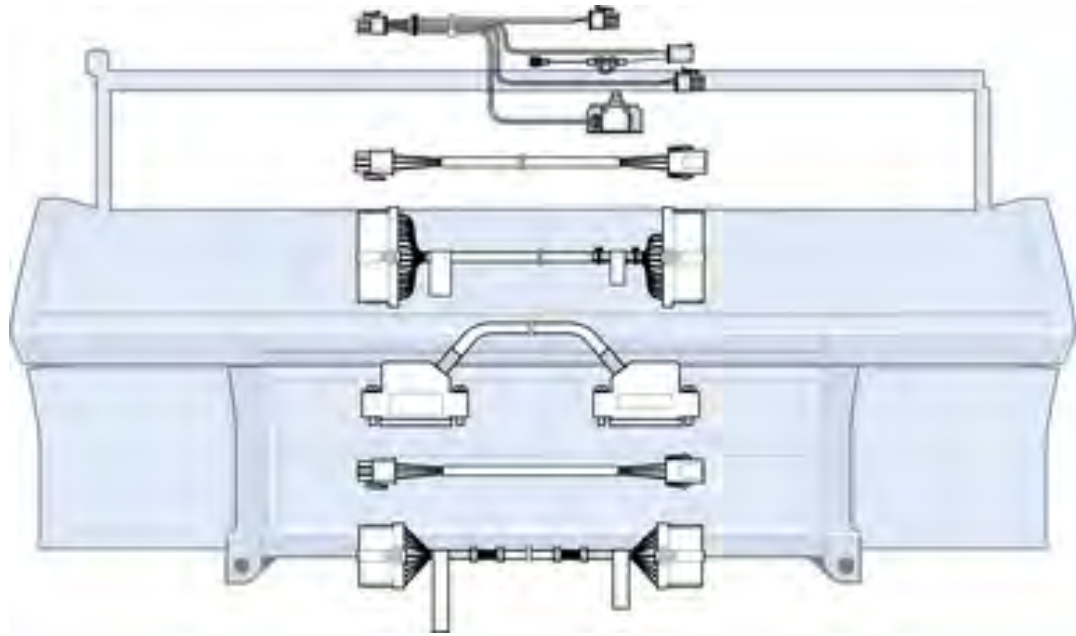


12.3 Rear panel

| Pos | Designation                    | ID No.  |  | Pos | Designation          | ID No.  |
|-----|--------------------------------|---------|--|-----|----------------------|---------|
| 1   | Panelling at the rear complete | 251 569 |  | A1  | Panelling            | 251 568 |
|     |                                |         |  | 1b  | Safety sash fastener | 243 052 |



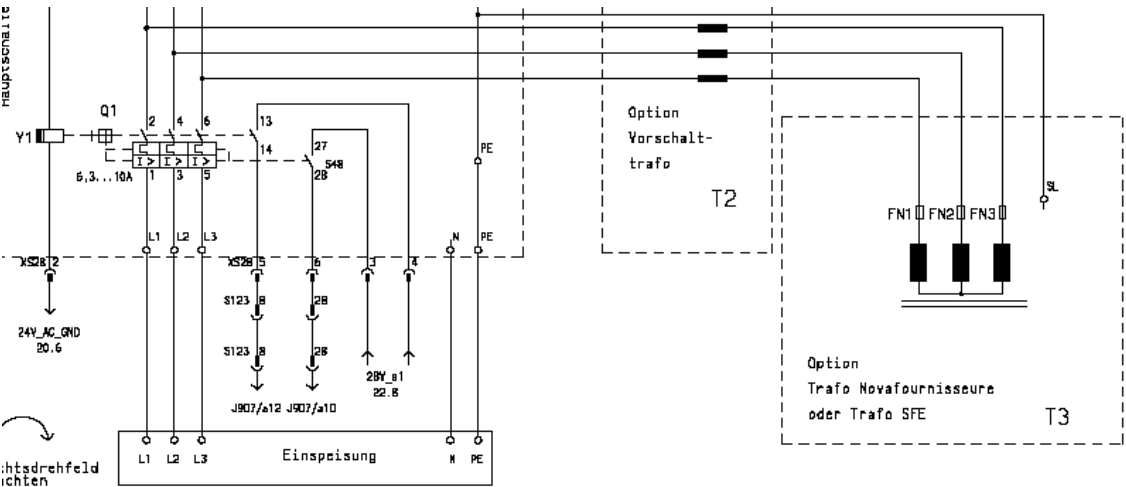
## 13 Electrical equipment



13.1 Circuit diagram (221) as PDF

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

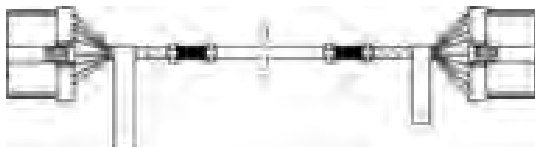
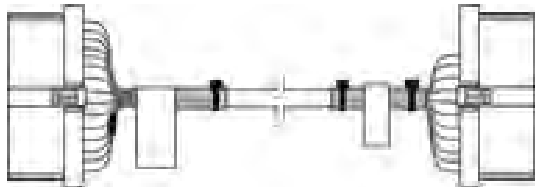
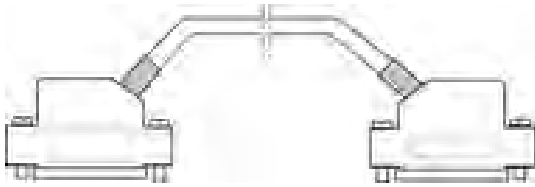
You will find the circuit diagram 221 on the CMS documentation DVD with the ID no.: 257 157



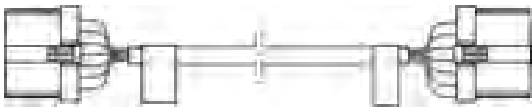
13.2 Fuses

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

13.3 Trailing cable

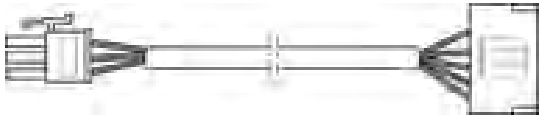
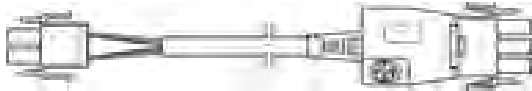
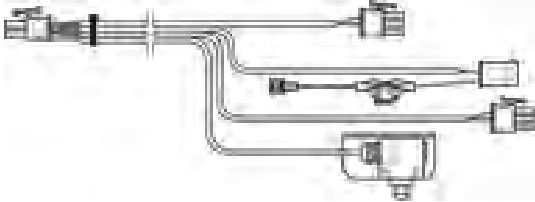
| Designation                                                                        | ID      | Designation                                                                         | ID      |
|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|---------|
| Trailing cable set 730T okc                                                        | 243 277 |                                                                                     |         |
| Cable impulse sensor at the rear XL136 730S OKC                                    | 240 599 | Cable SM at the rear XL325 730T OKC                                                 | 243 567 |
| Cable impulse sensor at the front XL137 730S OKC                                   | 240 600 | Cable SM at the front XL327 730T OKC                                                | 243 569 |
|   |         |   |         |
| Cable yarn carrier 730S OKC                                                        | 241 836 | Cable signal at the rear XL326 730T OKC                                             | 243 568 |
|  |         | Cable signal at the front XL328 730T OKC                                            | 243 570 |
|                                                                                    |         |  |         |

13.4 Loom of cables base 1

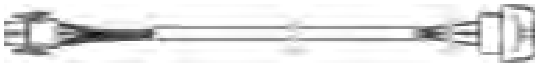
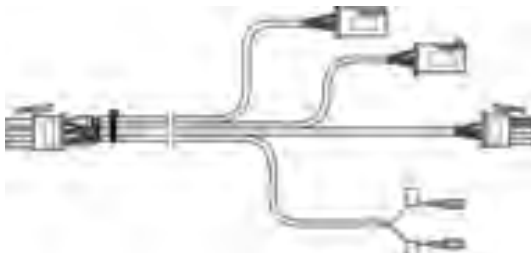
|                                                                                   |         |  |                                                                                    |         |  |
|-----------------------------------------------------------------------------------|---------|--|---------------------------------------------------------------------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

13.5 Loom of cables base 2

13.5 Loom of cables base 2

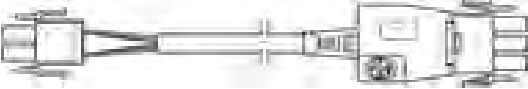
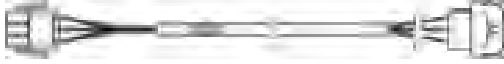
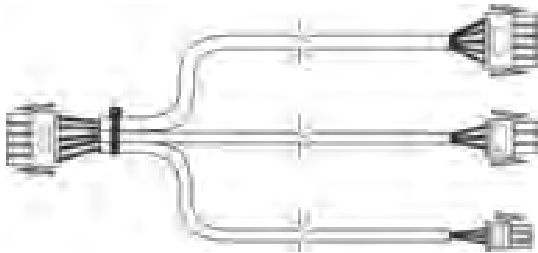
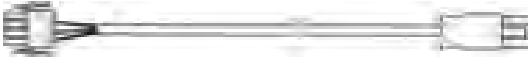
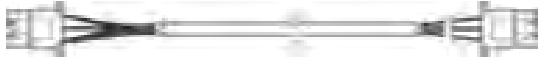
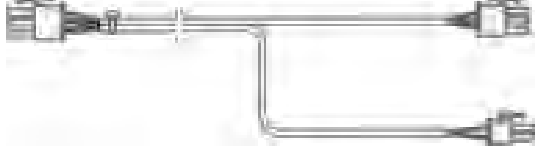
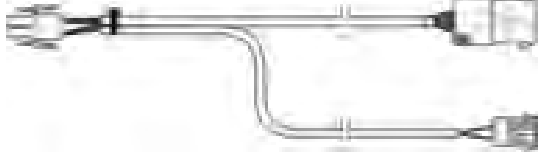
| Designation                                                                         | ID      |  | Designation                                                                          | ID      |
|-------------------------------------------------------------------------------------|---------|--|--------------------------------------------------------------------------------------|---------|
| Loom of cables base 2 OKC                                                           | 240 257 |  |                                                                                      |         |
| Cable motor HAAB OKC                                                                | 240 291 |  | Cable racking limit switch OKC                                                       | 240 292 |
|    |         |  |    |         |
| Cable fan drive OKC                                                                 | 240 293 |  | Cable Feed wheel on the right OKC                                                    | 240 294 |
|    |         |  |    |         |
| Cable drive motor OKC                                                               | 240 295 |  | Cable resolver drive OKC                                                             | 240 296 |
| Cable racking motor OKC                                                             | 240 297 |  | Cable resolver racking OKC                                                           | 240 298 |
|  |         |  |  |         |
| Cable protective device on the right OKC                                            | 238 706 |  |                                                                                      |         |
|  |         |  |                                                                                      |         |

13.6 Loom of cables comb

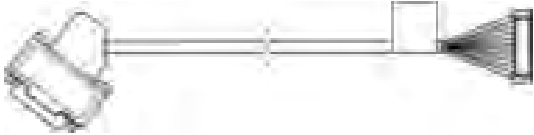
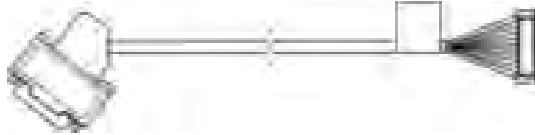
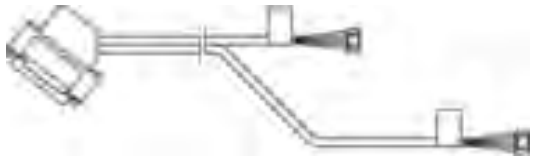
| Designation                                                                         | Id      |  | Designation                                                                         | Id      |  |
|-------------------------------------------------------------------------------------|---------|--|----------------------------------------------------------------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

13.7 Loom of cables 72"

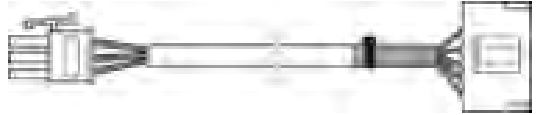
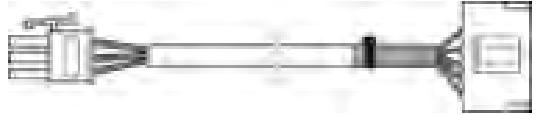
13.7 Loom of cables 72"

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

13.8 Loom of cables 730T/1

| Pos | Designation                                                                       | ID      |  | Pos | Designation                                                                          | ID      |
|-----|-----------------------------------------------------------------------------------|---------|--|-----|--------------------------------------------------------------------------------------|---------|
| Σ   | Loom of cables 730T/1 okc                                                         | 243 271 |  |     |                                                                                      |         |
|     | Cable K/S clamping and cutting drive on the rightokc                              | 240 613 |  |     | Cable K/S Clamping and cutting drive on the left okc                                 | 240 612 |
|     |  |         |  |     |   |         |
|     | Cable K/S clamping and cutting sensors 72" okc                                    | 240 614 |  |     | Cable piezo additional needle bed 730T okc                                           | 243 550 |
|     |  |         |  |     |  |         |

13.9 Loom of cables 730T/2

| Pos | Designation                                                                        | ID      | Pos | Designation                                                                         | ID      |
|-----|------------------------------------------------------------------------------------|---------|-----|-------------------------------------------------------------------------------------|---------|
| Σ   | Loom of cables 730/2 OKC                                                           | 243 272 |     |                                                                                     |         |
|     | Cable racking motor ZB at the rear 730T                                            | 243 544 |     | Cable racking motor ZB front/right                                                  | 243 547 |
|     |   |         |     |   |         |
|     | Cable resolver ZB at the rear                                                      | 243 545 |     | Cable resolver racking ZB front/right                                               | 243 548 |
|     |   |         |     |   |         |
|     | Cable racking limit switch ZB rear 730T                                            | 243 546 |     | Cable racking limit switch ZB front/right                                           | 243 549 |
|     |  |         |     |  |         |

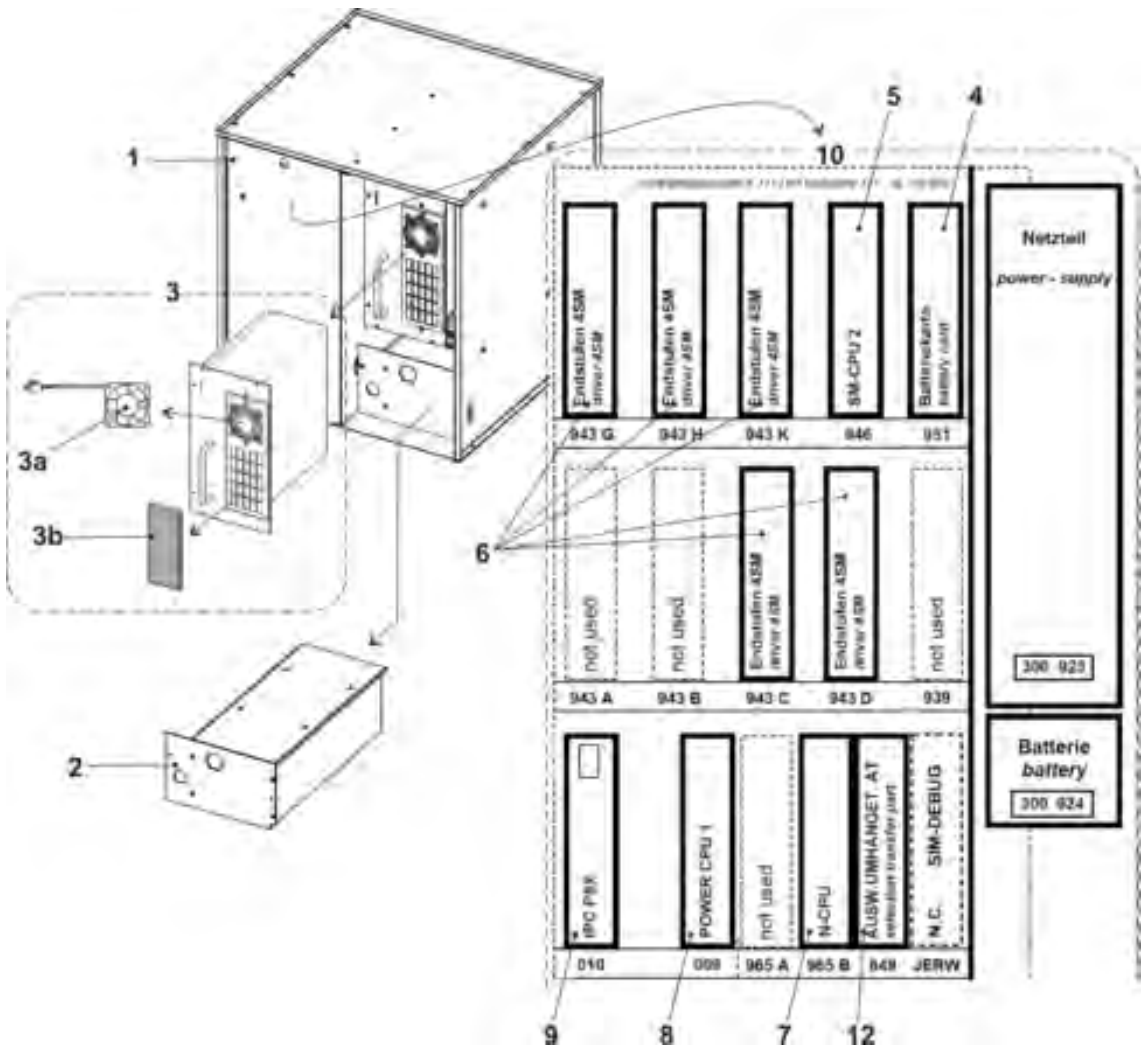
## 14 Control electronics



14.1 Left control cabinet

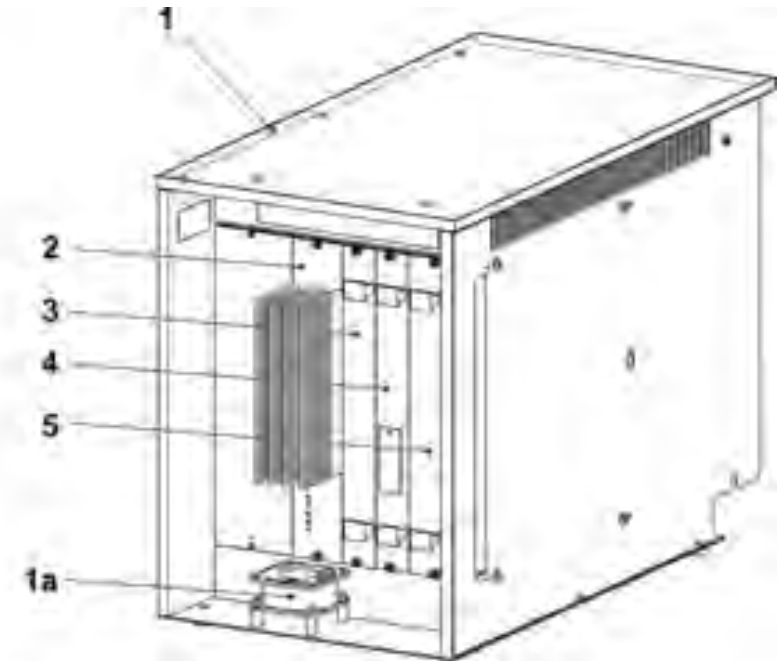
14.1 Left control cabinet

| Pos | Designation                                   | ID      | Pos | Designation                      | ID      |
|-----|-----------------------------------------------|---------|-----|----------------------------------|---------|
| Σ   | Control unit on the left complete730T okc     | 255 957 | 5   | Card SM-CPU 2                    | 300 946 |
| 1   | Control unit on the left without equipmentokc | 254 868 | 6   | Card final stages 4SM 7TE        | 300 943 |
| 2   | Battery plug-in unit                          | 300 924 | 7   | Card N-CPU 432                   | 300 965 |
| 3   | Power supply unit CG54                        | 300 923 | 8   | Card Power CPU1                  | 300 009 |
|     | 3a Fan power supply unit                      | 239 305 | 9   | Card IPC P8X okc                 | 301 010 |
|     | 3b Filter pad CG54                            | 239 350 | 10  | Adhesive label of card equipment | 255 958 |
| 4   | Card battery OKC                              | 300 951 | 12  | Card selection transfer part     | 300 849 |



14.2 Right control cabinet

| Pos | Designation                                       |                        | ID      |  | Pos | Designation           |  | ID      |
|-----|---------------------------------------------------|------------------------|---------|--|-----|-----------------------|--|---------|
| Σ   | Control unit on the right complete 4A 730T okc    |                        | 241 311 |  |     |                       |  |         |
| 1   | Control unit on the right without equipment4A okc |                        | 241 322 |  | 3   | Card Relais okc       |  | 300 953 |
|     | 1a                                                | Axial flow fan Servo05 | 229 059 |  | 4   | Card CWAZ             |  | 300 929 |
| 2   | Card Servo 6 okc                                  |                        | 301 000 |  | 5   | Card CWAZ Kondensator |  | 300 936 |



14.2 Right control cabinet

Notes:

## 15 Deliverable accessories

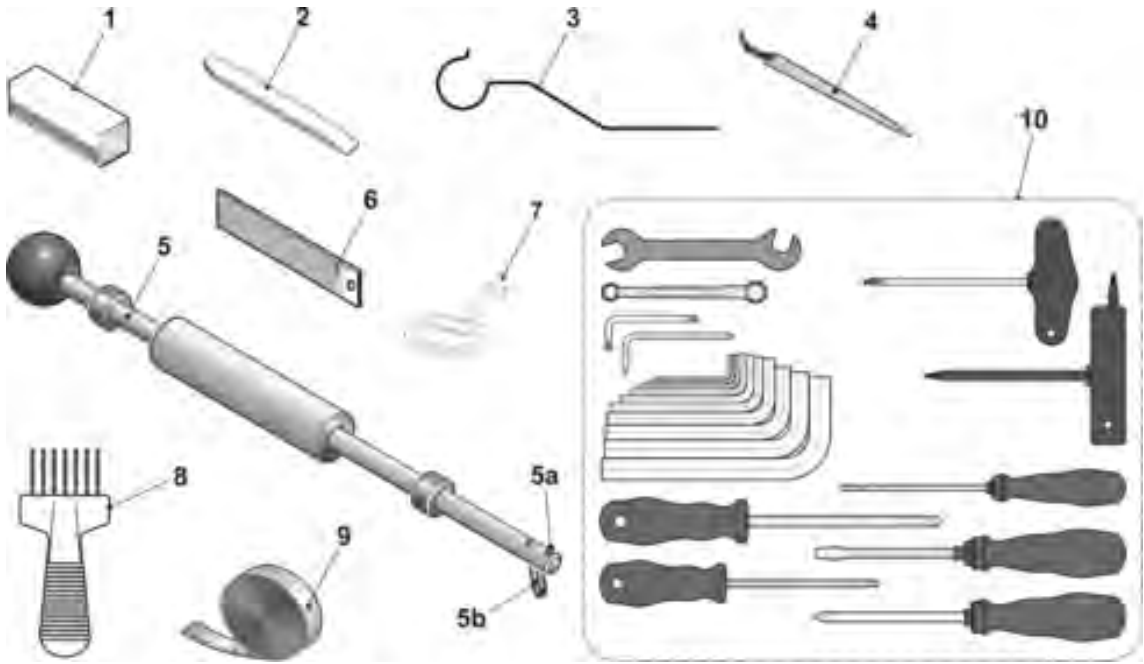


You can order the following tools, lubricants and expendables.  
The following list does not correspond to the scope of delivery of the knitting machine.

15.1 Tool

15.1 Tool

| Pos | Designation                   | Id      | Pos | Designation                           | Id      |
|-----|-------------------------------|---------|-----|---------------------------------------|---------|
| 1   | Channel support E4            | 062 309 | 6   | Groove file 1,33mm E3-4               | 006 169 |
|     | Channel support E5, E2,5.2    | 062 310 |     | Groove file 1,25mm 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 0,73mm E14, E7.2          | 006 173 |
|     | Channel support E10, E5.2     | 062 314 |     | Groove file 0,45mm 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=150cm                | 228 180 |
|     | 5b Pencil                     | 232 022 | 10  | Tool kit                              | 209 527 |



15.2 Lubricating stuff

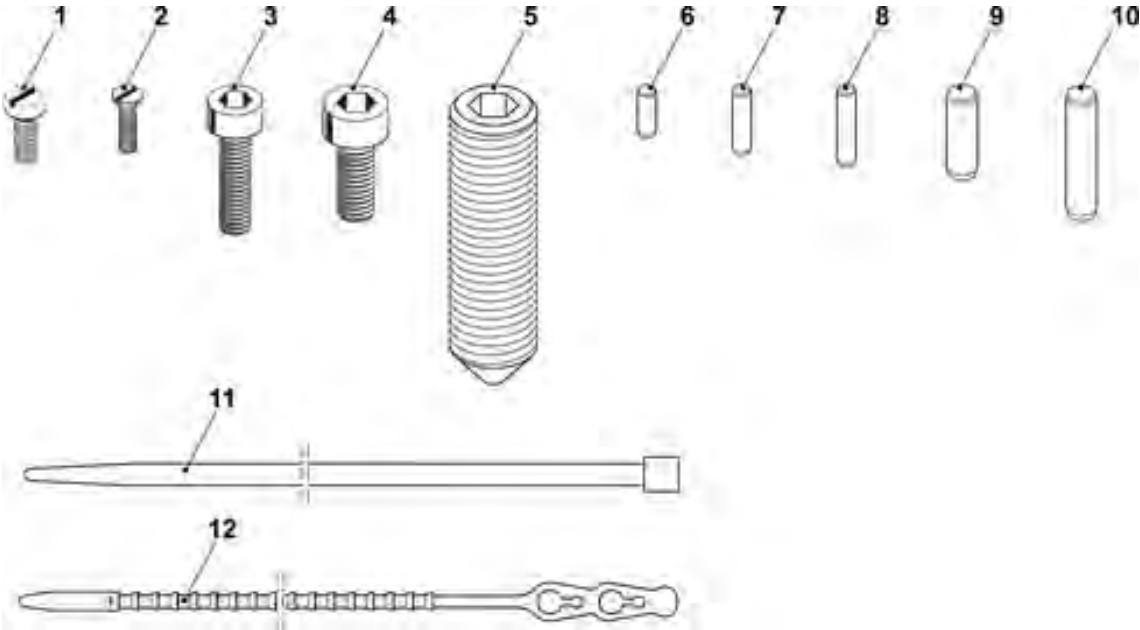
| Pos | Designation          | Id      |  | Pos | Designation                   | Id      |
|-----|----------------------|---------|--|-----|-------------------------------|---------|
| 1   | Silvertex T 46, 1l   | 230 614 |  | 4   | Oil combifix                  | 216 732 |
| 2   | Grease OKS 475, 1kg  | 009 200 |  | 5   | White grease paste OKS270     | 229 372 |
| 3   | Grease OKS 475, 150g | 005 351 |  | 6   | Grease Staburags NBU 12/300KP | 231 191 |



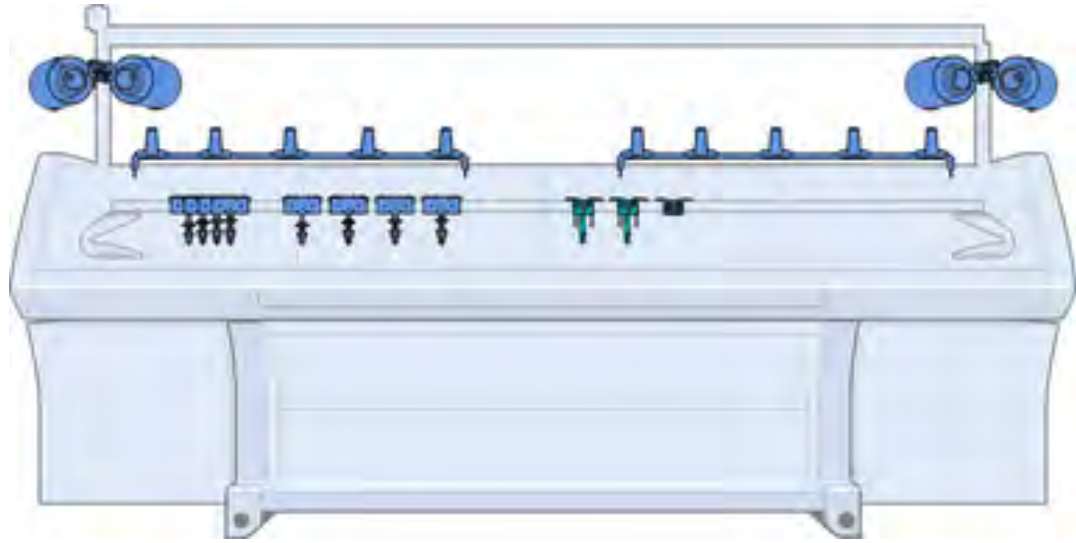
15.3 Mechanical parts

15.3 Mechanical parts

| Pos | Designation            | Id      |  | Pos | Designation                | Id      |
|-----|------------------------|---------|--|-----|----------------------------|---------|
| 1   | Cap screw M4x8         | 020 091 |  | 11  | Cut cable 203x3,6mm        | 025 815 |
| 2   | Countersunk screw M3x6 | 020 286 |  |     | Cut cable T50L             | 026 294 |
| 3   | Cap screw M5x16        | 022 726 |  |     | Cut cable 140x3,6mm        | 008 379 |
| 4   | Cap screw M6x14        | 022 658 |  |     | Cut cable 302x4,8mm        | 008 642 |
| 5   | Setscrew M16x50        | 023 235 |  |     | Cut cable 92x2,4mm         | 008 378 |
| 6   | Dowel pin 3x7          | 020 643 |  | 12  | Reusable tie ABV 232 320mm | 026 557 |
| 7   | Dowel pin 3x10         | 020 645 |  |     |                            |         |
| 8   | Dowel pin 3x12         | 020 647 |  |     |                            |         |
| 9   | Dowel pin 5x12         | 021 988 |  |     |                            |         |
| 10  | Dowel pin 5x18         | 022 622 |  |     |                            |         |



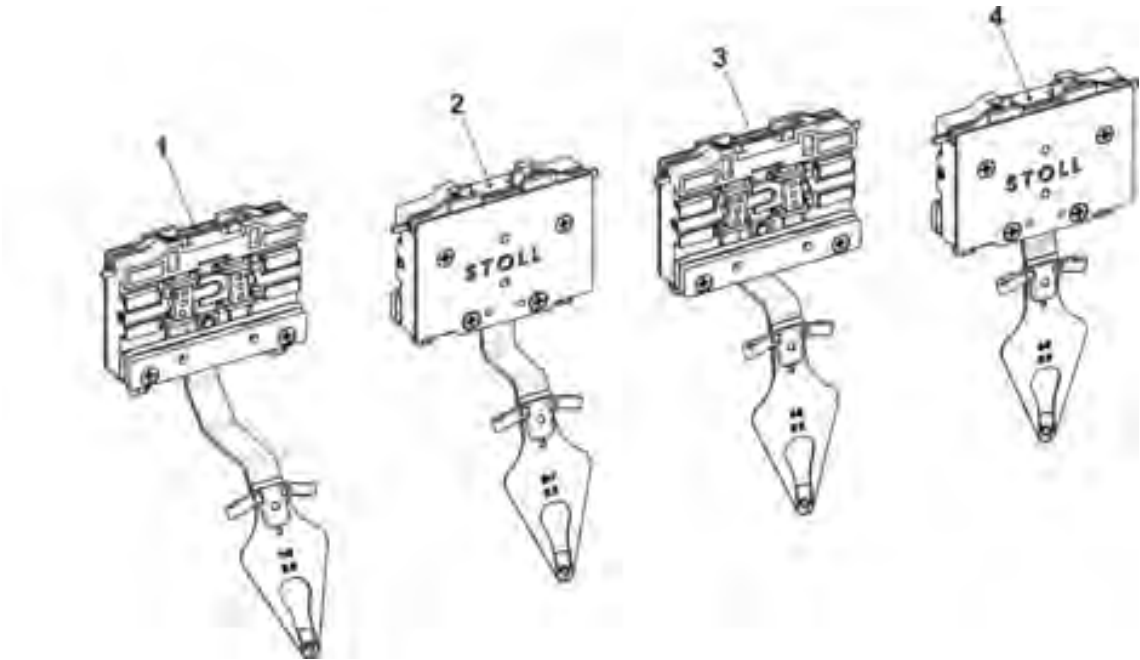
## 16 Special attachments



16.1 Complete intarsia yarn carriers type 2

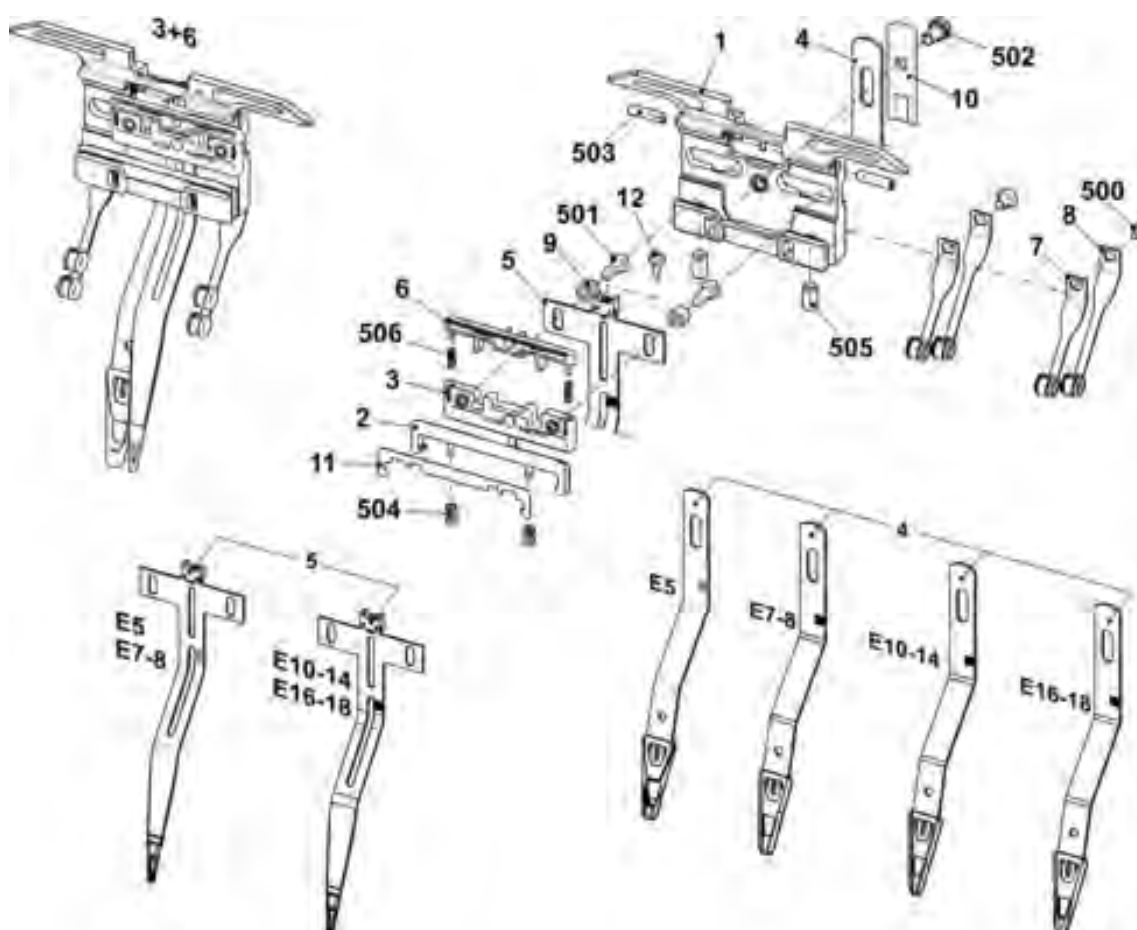
16.1 Complete intarsia yarn carriers type 2

| Designation           | Gauge | Track | Pos | Id      |  | Designation           | Gauge | Track | Pos | Id      |
|-----------------------|-------|-------|-----|---------|--|-----------------------|-------|-------|-----|---------|
| IFF carriage complete | E6.2  | 1   8 | 1   | 259 736 |  | IFF carriage complete | E7.2  | 1   8 | 1   | 259 740 |
|                       |       | 2   7 | 2   | 259 737 |  |                       |       | 2   7 | 2   | 259 741 |
|                       |       | 3   6 | 3   | 259 738 |  |                       |       | 3   6 | 3   | 259 742 |
|                       |       | 4   5 | 4   | 259 739 |  |                       |       | 4   5 | 4   | 259 743 |



## 16.2 Plating yarn carrier 3+6

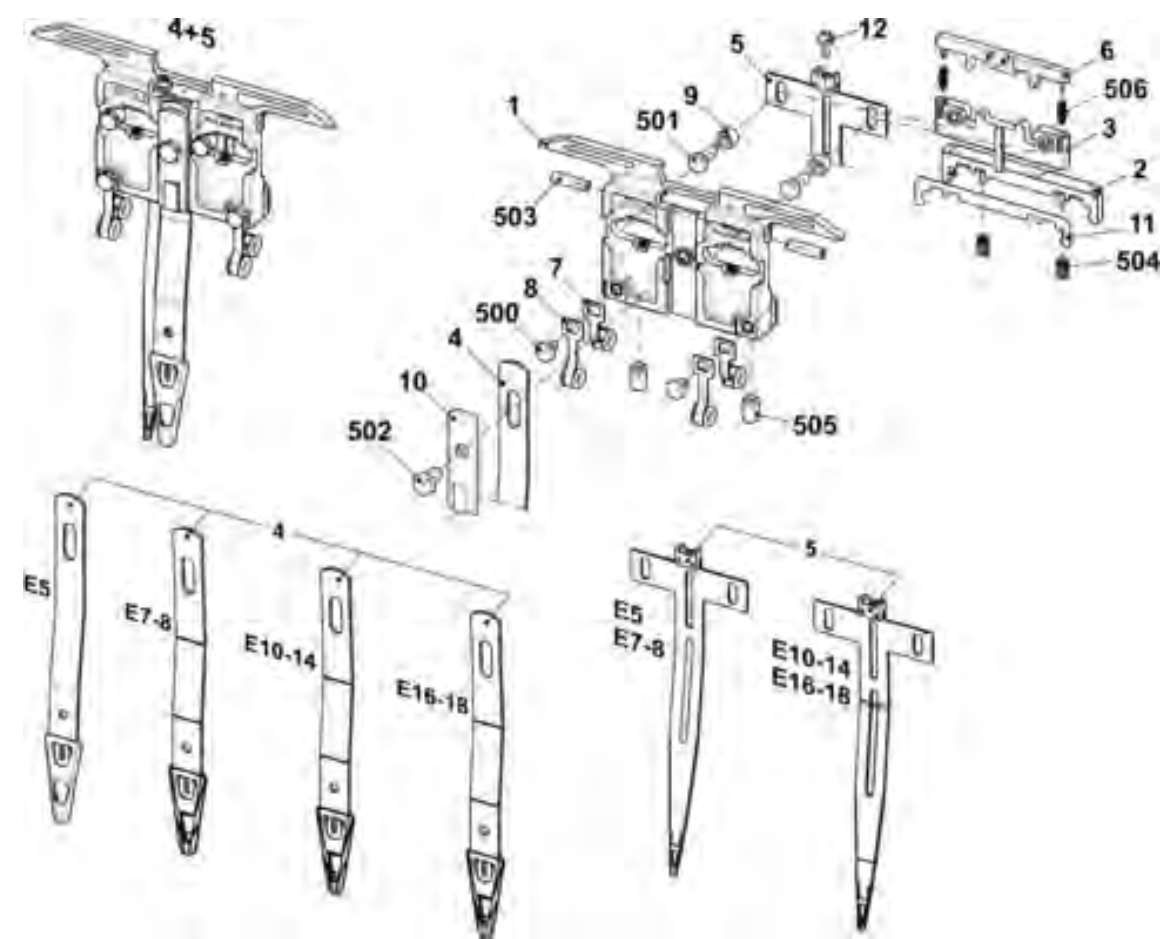
| Pos | Designation                                | Id      |  | Pos | Designation            | Id      |
|-----|--------------------------------------------|---------|--|-----|------------------------|---------|
| Σ   | Plating yarn carrier carriage 3+6 complete |         |  |     |                        |         |
|     | E7-8 (E6.2)                                | 252 784 |  | 8   | Eyelet holder complete | 252 824 |
|     | E10-14 (E7.2)                              | 252 786 |  | 9   | Distance bushing       | 252 796 |
| 1   | Plating yarn carrier carriage              | 252 806 |  | 10  | Shim                   | 213 035 |
| 2   | Sliding piece                              | 212 583 |  | 11  | Shim                   | 216 143 |
| 3   | Slider                                     | 252 798 |  | 12  | Adjusting screw        | 253 436 |
| 4   | Plating yarn carrier bow 3+6               |         |  | 500 | Hexagon screwM4x5      | 243 779 |
|     | E7-8 (E6.2)                                | 252 821 |  | 501 | Hexagon screwM4x10     | 020 346 |
|     | E10-14 (E7.2)                              | 252 822 |  | 502 | Hexagon screw          | 252 832 |
| 5   | Plating yarn carrier bow 3+6 E5-8          | 252 800 |  | 503 | Setscrew M4x16         | 254 196 |
|     | Plating yarn carrier bow 3+6 E10-18        | 252 808 |  | 504 | Compression spring     | 021 399 |
| 6   | Sliding piece                              | 252 797 |  | 505 | Threaded bolt          | 213 399 |
| 7   | Eyelet holder complete                     | 252 825 |  | 506 | Compression spring     | 253 058 |



16.3 Plating yarn carrier 4+5

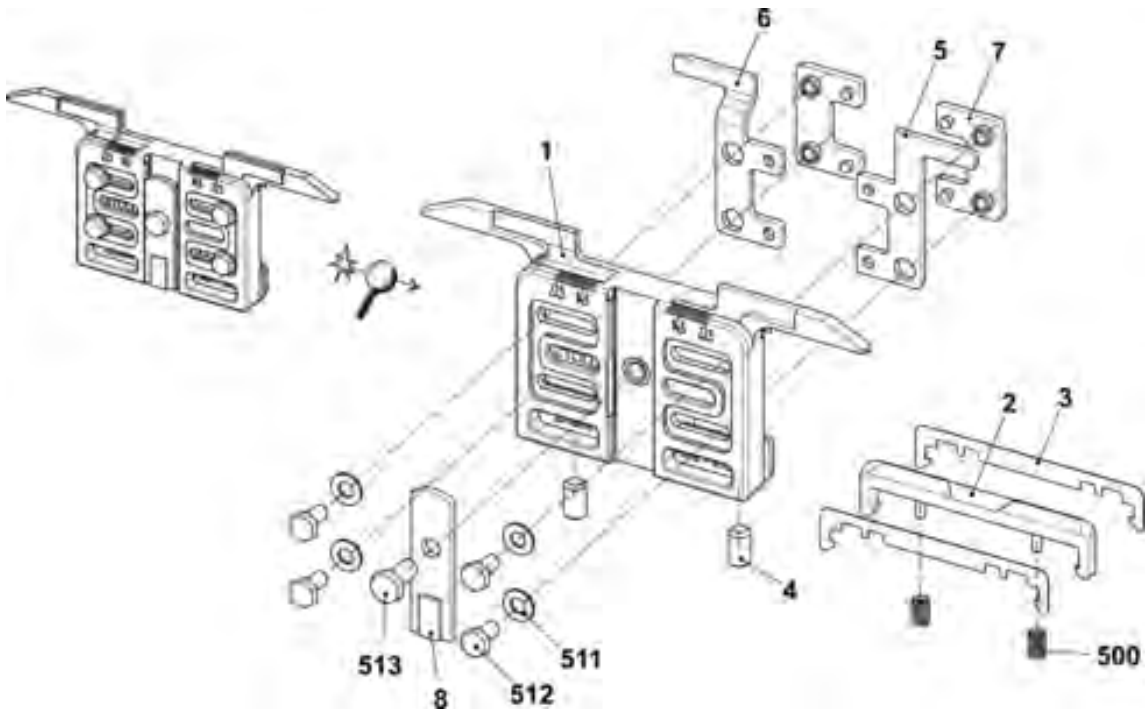
16.3 Plating yarn carrier 4+5

| Pos | Designation                                | Id      |  | Pos | Designation            | Id      |
|-----|--------------------------------------------|---------|--|-----|------------------------|---------|
| Σ   | Plating yarn carrier carriage 4+5 complete |         |  |     |                        |         |
|     | E7-8 (E6.2)                                | 252 783 |  | 8   | Eyelet holder complete | 252 816 |
|     | E10-14 (E7.2)                              | 252 785 |  | 9   | Distance bushing       | 252 796 |
| 1   | Plating yarn carrier carriage              | 252 806 |  | 10  | Shim                   | 213 035 |
| 2   | Sliding piece                              | 212 583 |  | 11  | Shim                   | 216 143 |
| 3   | Slider                                     | 252 798 |  | 12  | Adjusting screw        | 253 436 |
| 4   | Plating yarn carrier bow 4+5               |         |  | 500 | Hexagon screwM4x5      | 243 779 |
|     | E7-8 (E6.2)                                | 252 791 |  | 501 | Hexagon screwM4x10     | 020 346 |
|     | E10-14 (E7.2)                              | 252 792 |  | 502 | Hexagon screw          | 252 832 |
| 5   | Plating yarn carrier bow 4+5 E5-8          | 252 799 |  | 503 | Setscrew M4x16         | 254 196 |
|     | Plating yarn carrier bow 4+5 E10-18        | 252 807 |  | 504 | Compression spring     | 021 399 |
| 6   | Sliding piece                              | 252 797 |  | 505 | Threaded bolt          | 213 399 |
| 7   | Eyelet holder complete                     | 252 815 |  | 506 | Compression spring     | 253 058 |



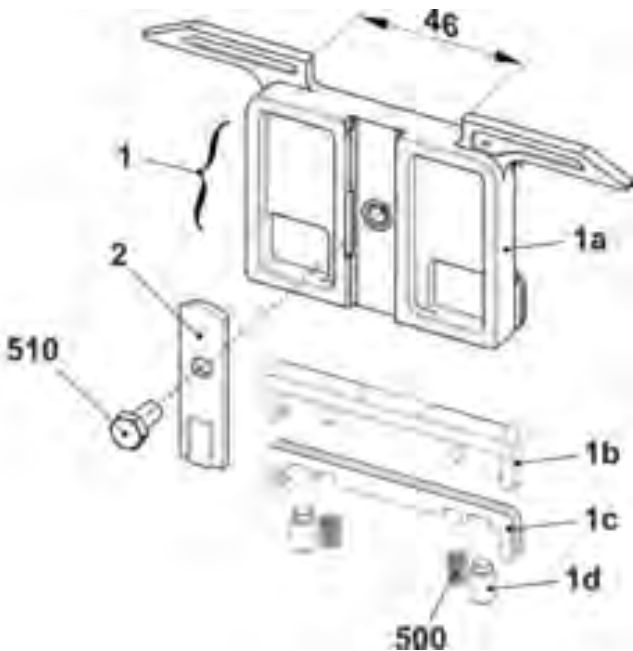
16.4 Carriage of plating yarn carrier (adjustable)

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



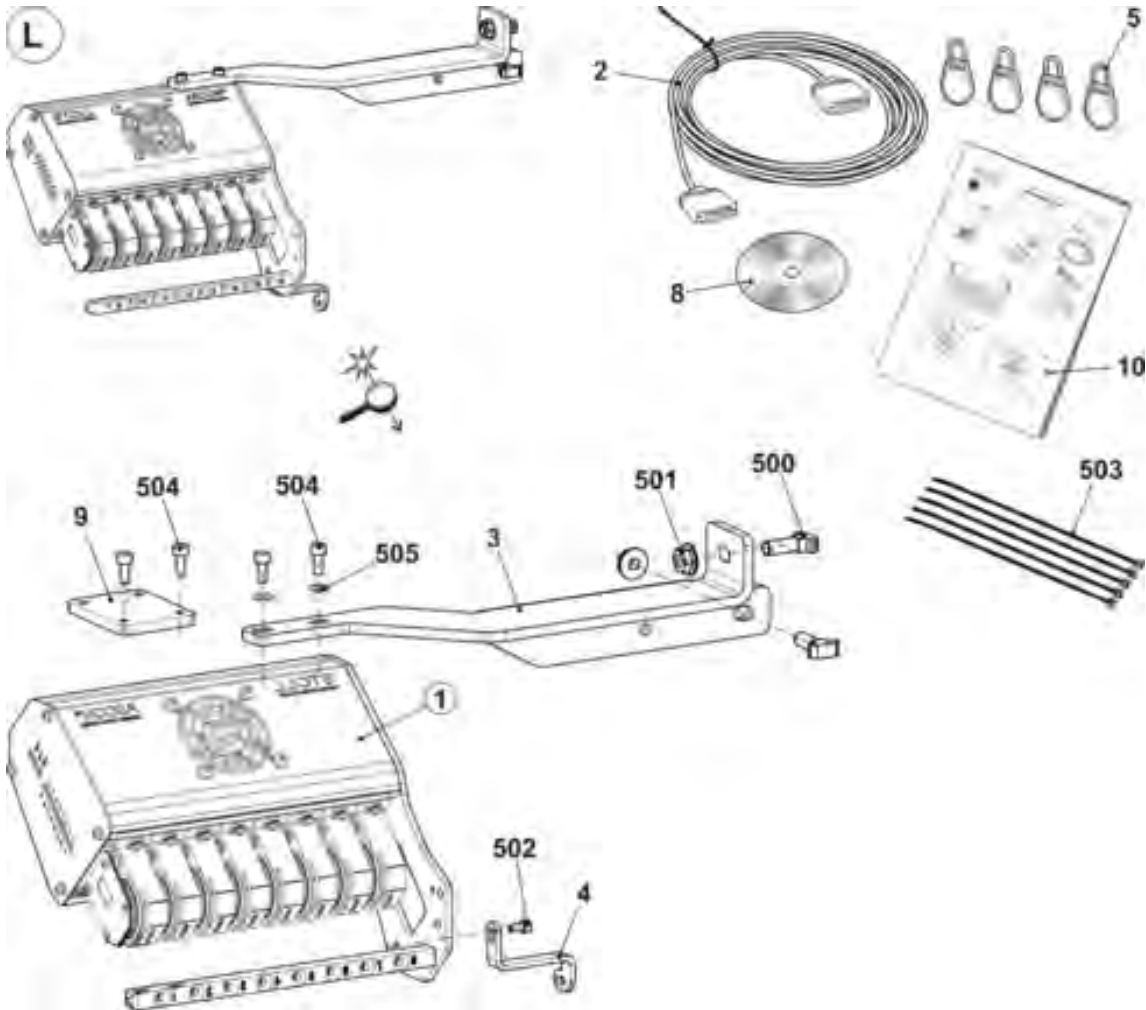
16.5 Carriage of plating yarn carrier EW46

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



16.6 Yarn length measuring device on the left complete

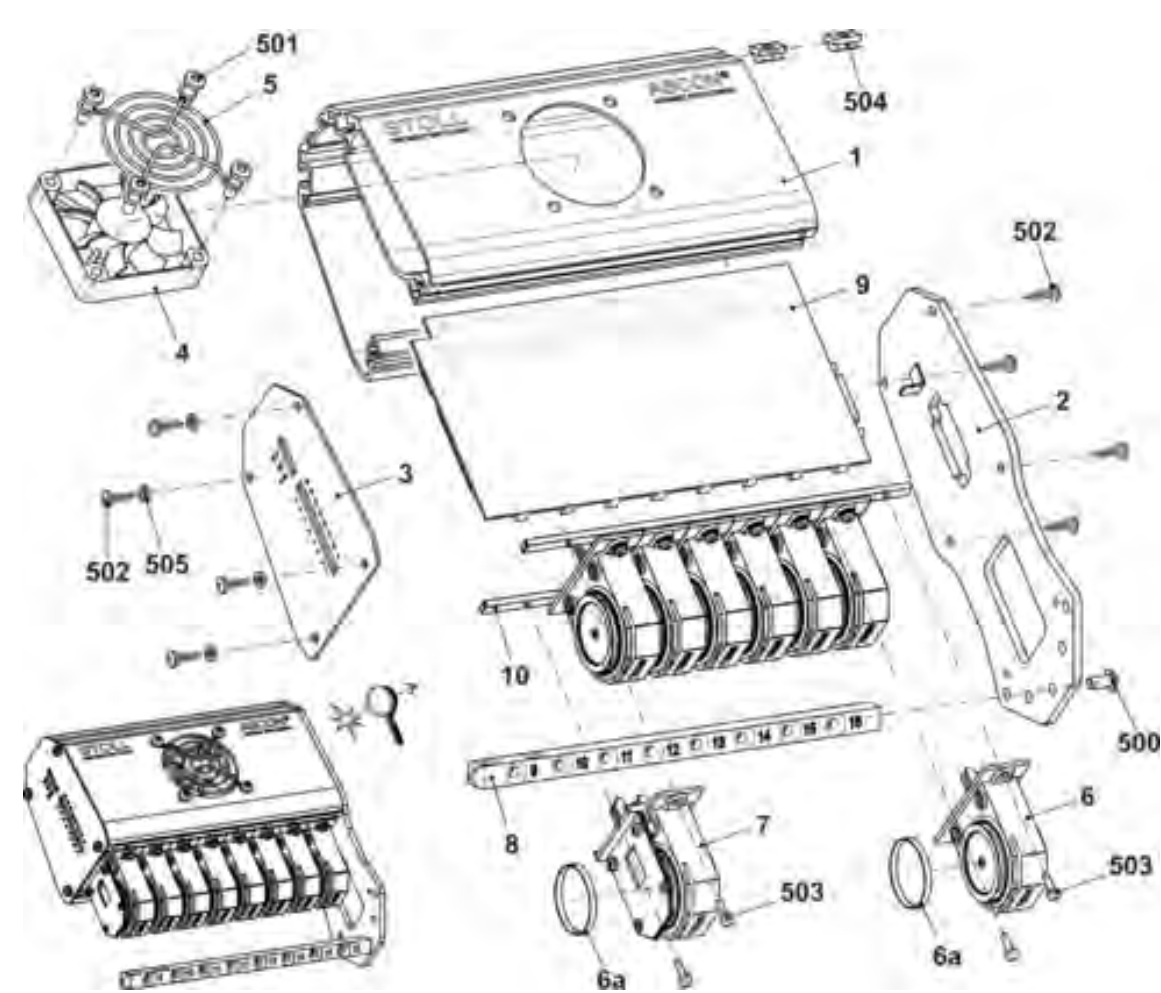
| Pos | Designation                                       | Id      |  | Pos | Designation                              | Id      |
|-----|---------------------------------------------------|---------|--|-----|------------------------------------------|---------|
| Σ   | Yarn length measuring device on the left complete | 257 600 |  |     |                                          |         |
| 1   | Yarn length measuring device on the left complete | 257 283 |  | 10  | Operating instructions of ASCON assembly | 259 381 |
| 2   | Cable ASCON                                       | 257 239 |  | 500 | T-head bolt M8x25                        | 022 866 |
| 3   | Support on the left                               | 257 122 |  | 501 | Serrated nut M8-10                       | 023 026 |
| 4   | Connecting lug on the left                        | 257 137 |  | 502 | Cap screwM4x8                            | 022 501 |
| 5   | Adjustment weight                                 | 212 241 |  | 503 | Cable tape 302x4,8                       | 008 642 |
| 8   | DVD with operating instructions                   | 258 391 |  | 504 | Cap screwM5x12                           | 020 132 |
| 9   | Holding plate                                     | 258 386 |  | 505 | Washer5                                  | 020 871 |



16.6 Yarn length measuring device on the left complete

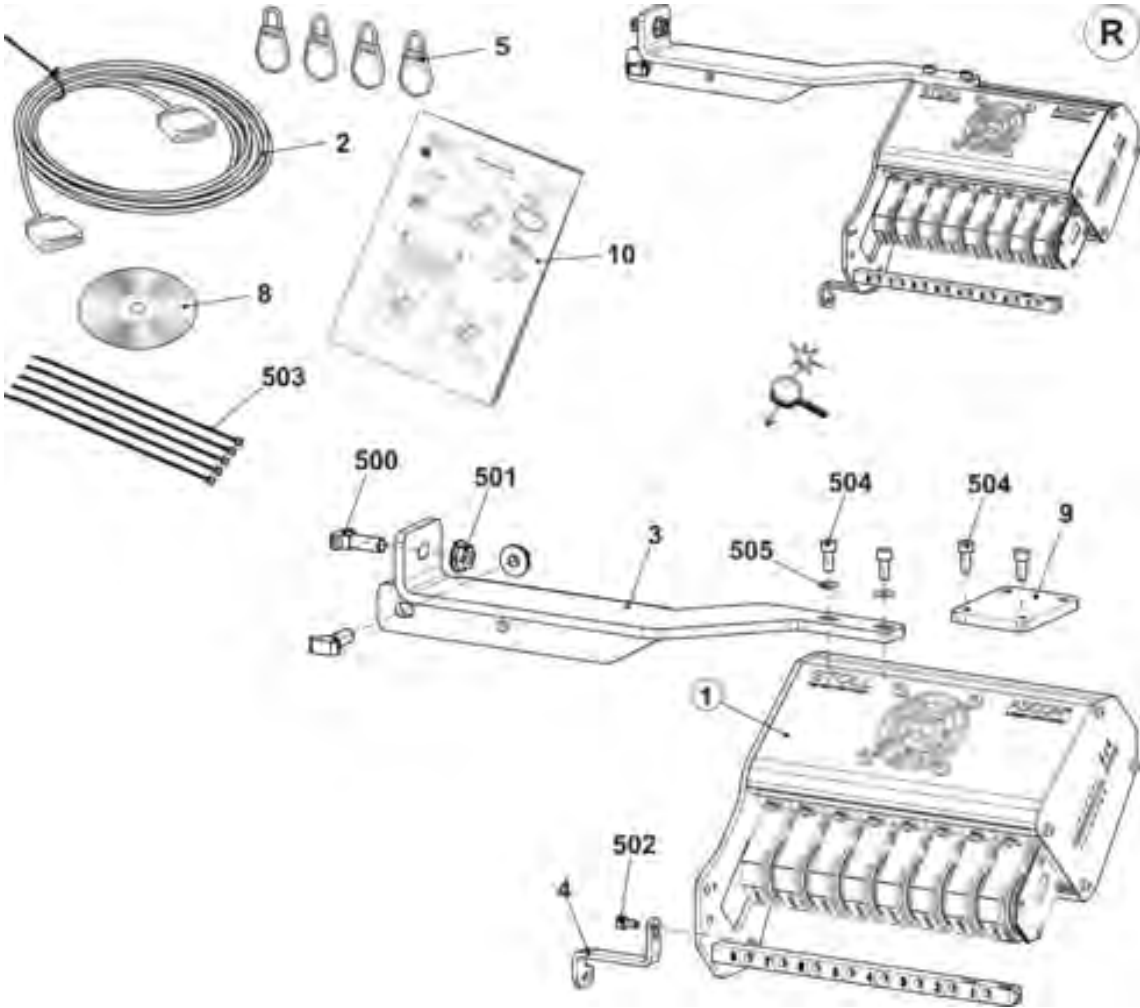
16.6.1 Yarn length measuring device

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



16.7 Yarn length measuring device on the right complete

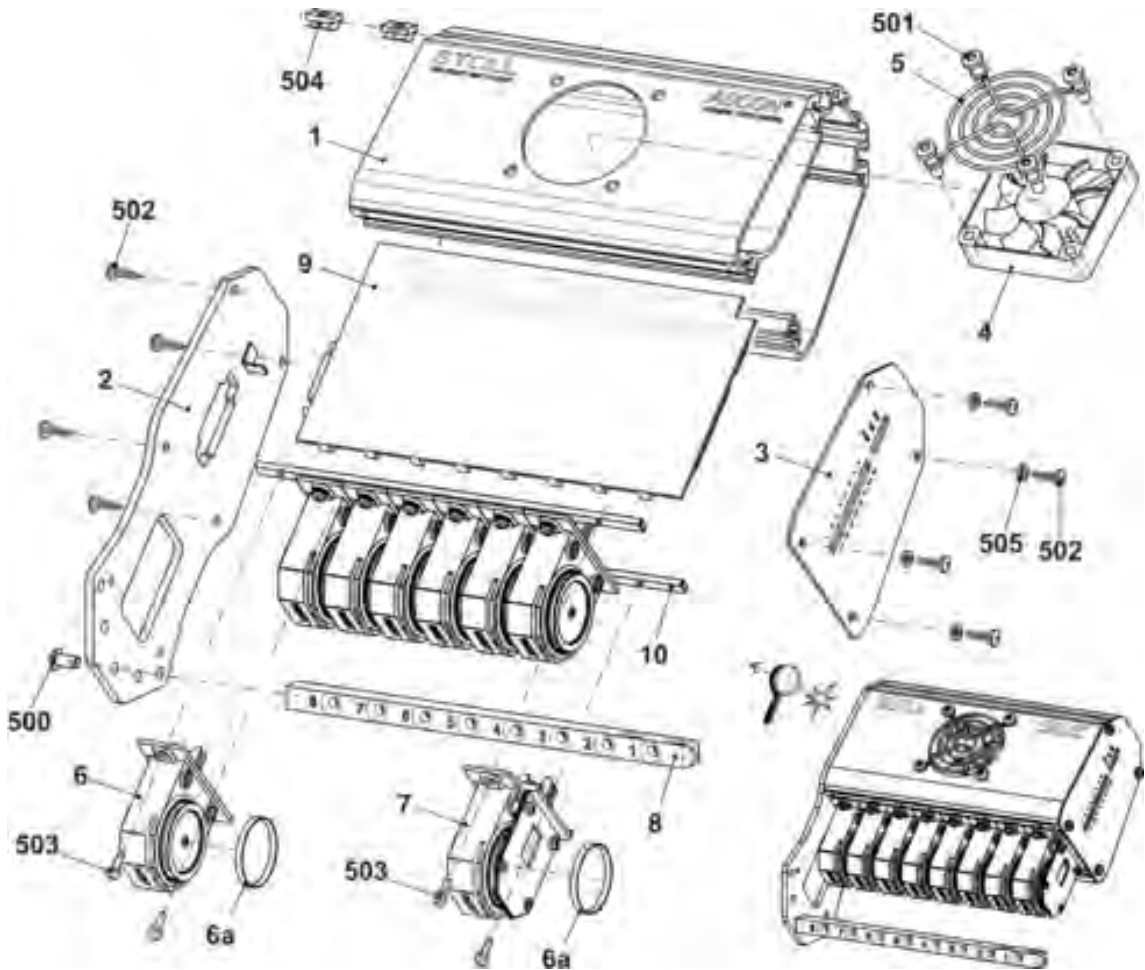
| Pos | Designation                                        | Id      |  | Pos | Designation                              | Id      |
|-----|----------------------------------------------------|---------|--|-----|------------------------------------------|---------|
| Σ   | Yarn length measuring device on the right complete | 257 599 |  |     |                                          |         |
| 1   | Yarn length measuring device on the right complete | 257 282 |  | 6   | Operating instructions of ASCON assembly | 259 381 |
| 2   | Cable ASCON                                        | 257 239 |  | 500 | T-head bolt M8x25                        | 022 866 |
| 3   | Support right                                      | 257 121 |  | 501 | Serrated nut M8-10                       | 023 026 |
| 4   | Connecting lug on the right                        | 257 136 |  | 502 | Cap screwM4x8                            | 022 501 |
| 5   | Adjustment weight                                  | 212 241 |  | 503 | Cable tape 302x4,8                       | 008 642 |
| 8   | DVD with operating instructions                    | 258 391 |  | 504 | Cap screwM5x12                           | 020 132 |
| 9   | Holding plate                                      | 258 386 |  | 505 | Washer5                                  | 020 871 |



16.7 Yarn length measuring device on the right complete

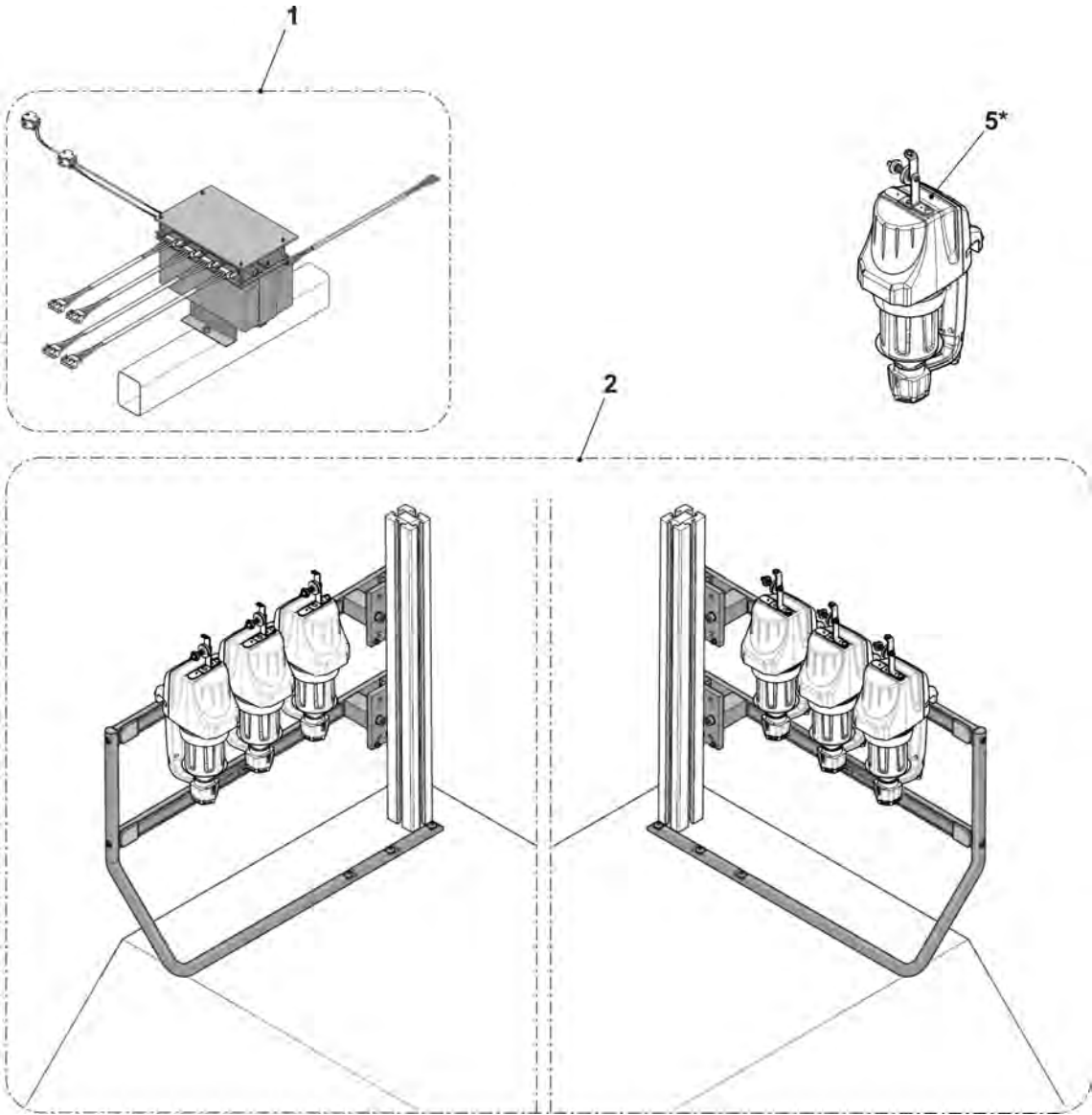
16.7.1 Yarn length measuring device on the right

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



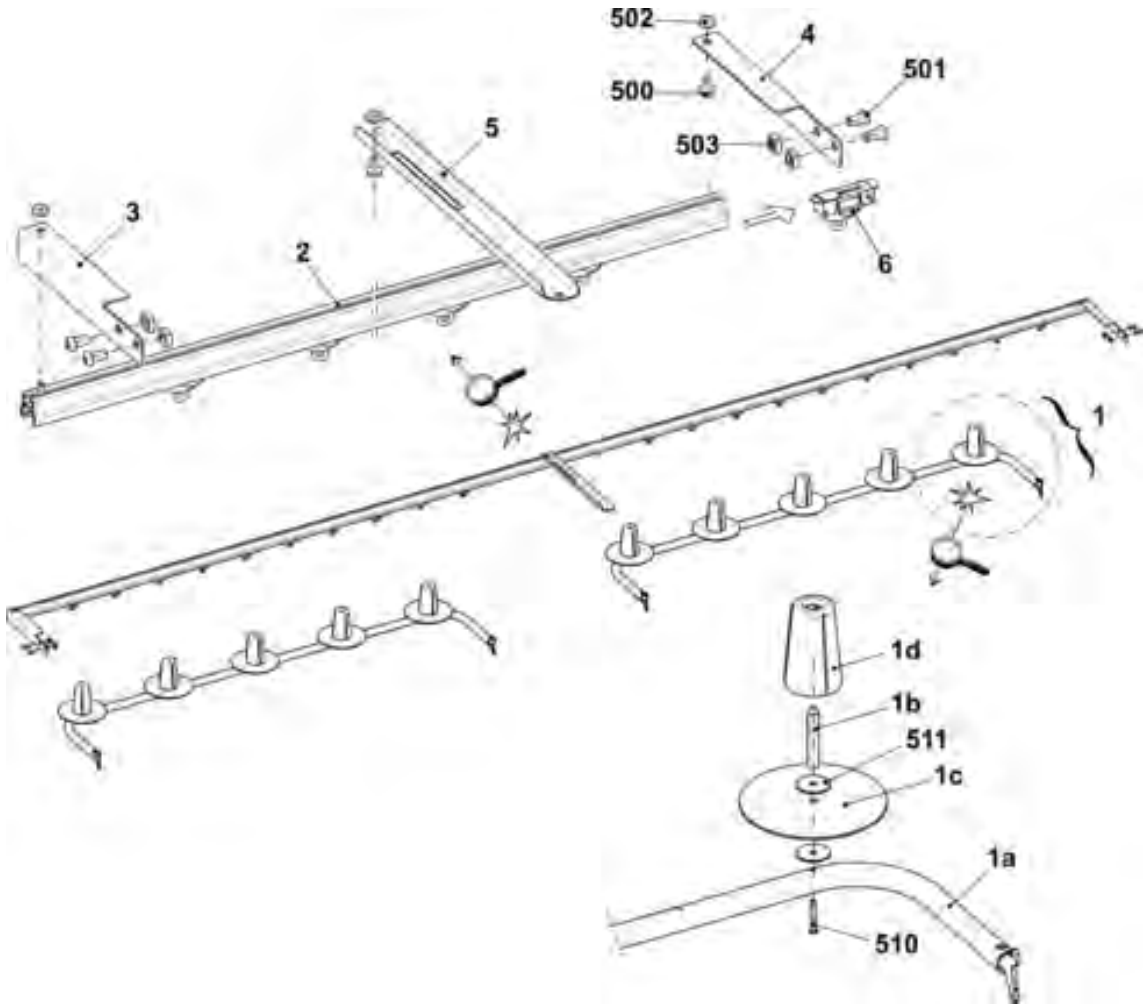
16.8 Storage feed wheel MSF 2

| Pos | Designation                             | ID      | Note                                                                                                                                                                                                                                                                                                                                |
|-----|-----------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Σ   | Attachment set storage feed wheel MSF-2 | 259 575 | <p>Please order the MSF-2 spare parts at:<br/>MEMMINGER-IRO GMBH<br/>Jakob-Mutz-Strasse 7<br/>D-72280 Dornstetten<br/>Tel.: +49 (0)7443 281-0<br/>Fax: +49 (0)7443 281-101</p> <p>The item no. and the designation for the MSF-2 spare parts can be found in the enclosed assembling instructions of the company MEMMINGER-IRO.</p> |
| 1   | Transformer MSF-2 with cable            | 259 611 |                                                                                                                                                                                                                                                                                                                                     |
| 2   | Mounted set MSF-2 without transformer   | 259 612 |                                                                                                                                                                                                                                                                                                                                     |
| 5*  | Storage feed wheel MSF-2                | 259 604 |                                                                                                                                                                                                                                                                                                                                     |
|     |                                         |         |                                                                                                                                                                                                                                                                                                                                     |



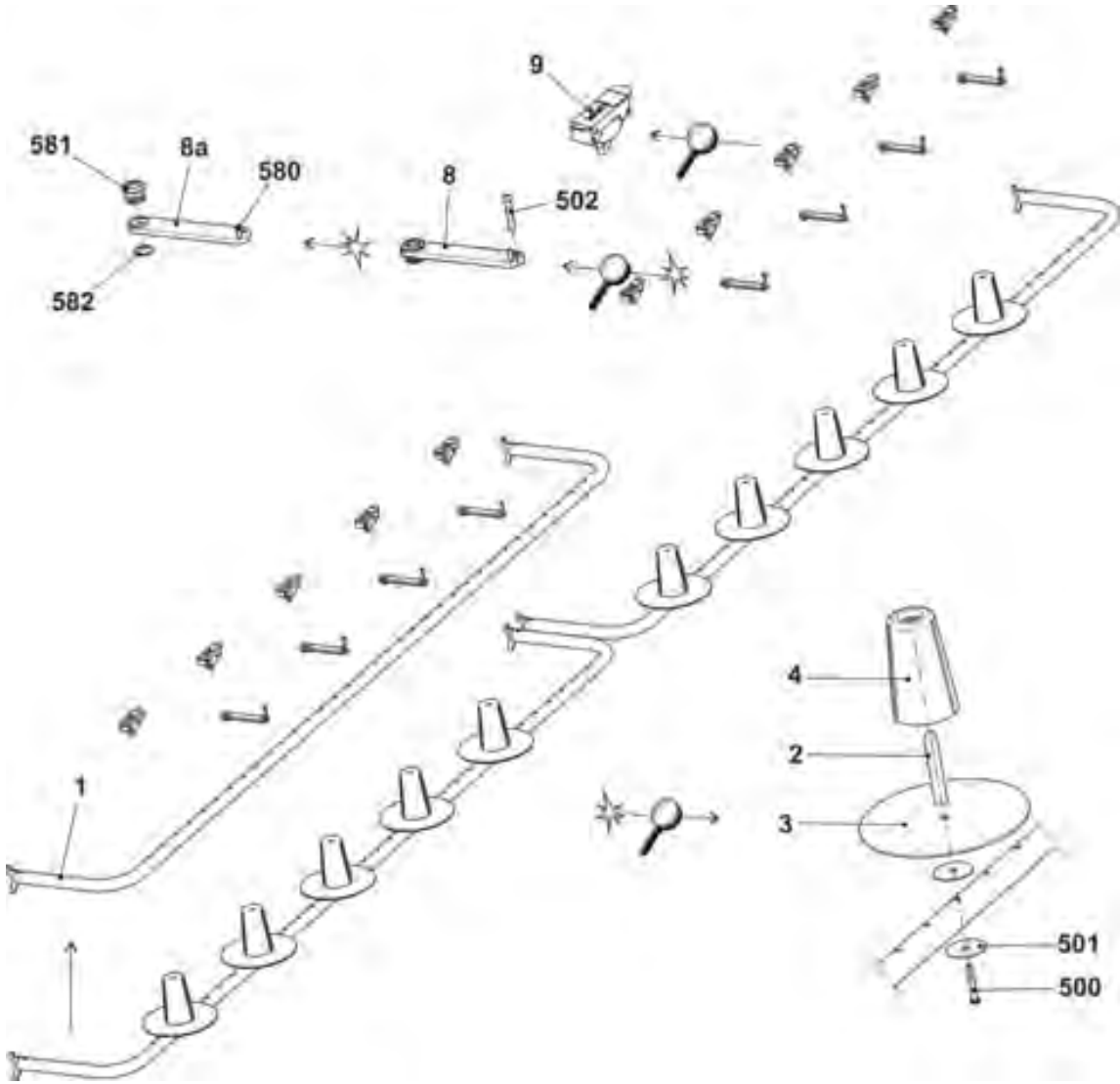
16.9 Additional board retrofit kit

| Pos | Designation                       | Id      | Pos | Designation                 | Id      |
|-----|-----------------------------------|---------|-----|-----------------------------|---------|
| Σ   | Additional board retrofit kit     | 243 777 |     |                             |         |
| 1   | Additional bobbin board 7XX/8XX   | 241 928 | 3   | Support on the left         | 243 602 |
|     | 1a Additional bobbin board welded | 241 927 | 4   | Support on the right        | 243 603 |
|     | 1b Positioning pin                | 202 777 | 5   | Support                     | 239 295 |
|     | 1c DiskD=130                      | 062 385 | 6   | Yarn guide bracket complete | 241 581 |
|     | 1d Bobbin support                 | 200 363 | 500 | Self-locking screw M6x12    | 023 415 |
|     | 510 Pan-head screw M4x30          | 023 681 | 501 | Pan-head screw M8x16        | 023 113 |
|     | 511 Washer5,3x30x1,25             | 023 556 | 502 | Serrated nut M6-10          | 023 414 |
| 2   | Yarn guide bar72"                 | 228 596 | 503 | Square nut M8               | 023 269 |



16.10 Additional board at the bottom

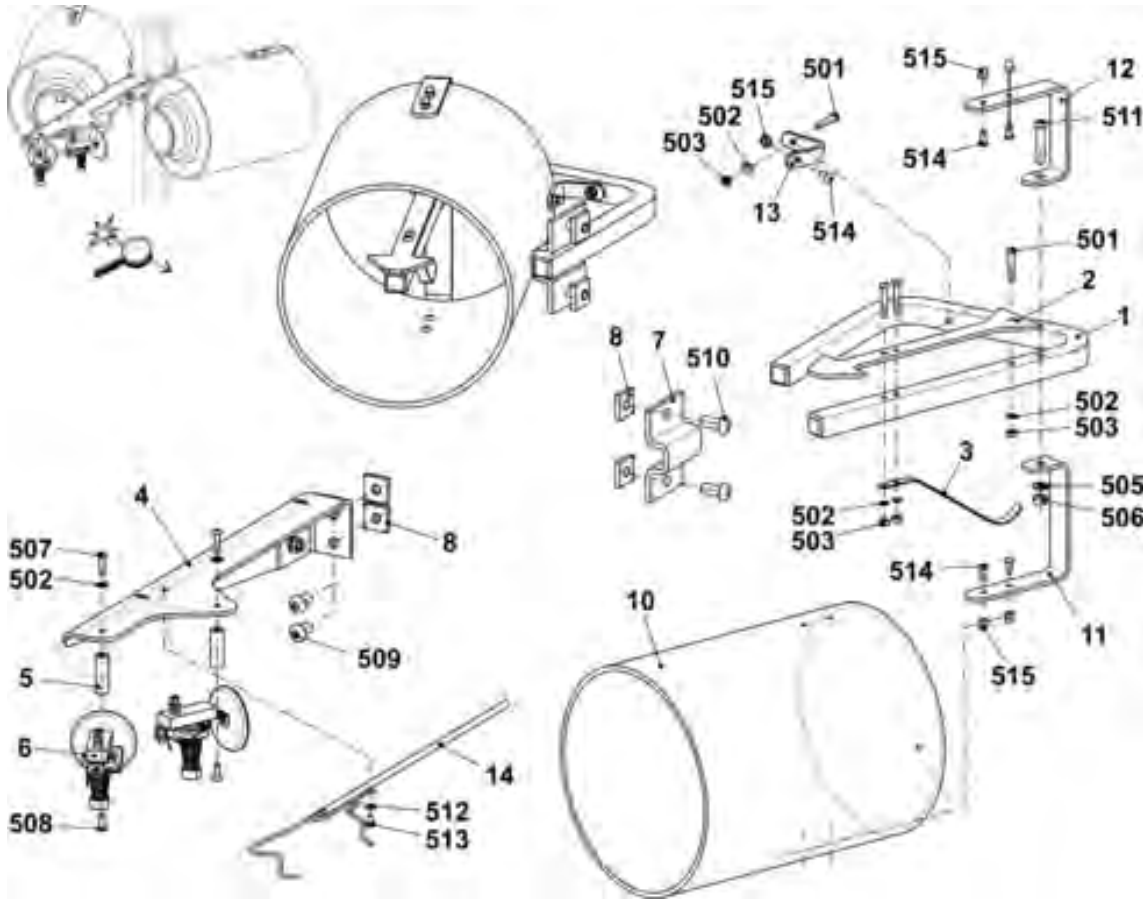
| Pos | Designation                       | Id      |  | Pos | Designation                 | Id             |         |
|-----|-----------------------------------|---------|--|-----|-----------------------------|----------------|---------|
| Σ   | Additional board7XX at the bottom | 253 645 |  | 502 | Pan-head screw M4x25        | 023 511        |         |
| 1   | Additional bobbin board welded    | 253 470 |  | 8   | Yarn guide                  |                | 243 765 |
| 2   | Positioning pin                   | 202 777 |  |     | 8a                          | Guide part     | 243 623 |
| 3   | DiskD=130                         | 062 385 |  |     | 580                         | Dowel 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 | Washer5,3x30x1,25                 | 023 556 |  |     | Yarn guide bracket complete |                | 241 581 |
|     |                                   |         |  | 9   |                             |                |         |



16.11 Bobbin holder on the left

16.11 Bobbin holder on the left

| Pos | Designation               | ID      |  | Pos | Designation               | ID      |
|-----|---------------------------|---------|--|-----|---------------------------|---------|
| Σ   | Bobbin holder on the left | 253 965 |  | 501 | Pan-head screwM4x25       | 023 511 |
| 1   | Support                   | 253 969 |  | 502 | Washer4                   | 022 481 |
| 2   | Support                   | 252 769 |  | 503 | Hexagon nut M4-6          | 022 536 |
| 3   | Leaf spring               | 253 350 |  | 505 | Washer6                   | 022 431 |
| 4   | Support on the left       | 253 347 |  | 506 | Hexagon nut M6-6          | 022 899 |
| 5   | Spacer                    | 253 349 |  | 507 | Pan-head screwM4x16       | 023 412 |
| 6   | Yarn detector Massardi    | 226 964 |  | 508 | Pan-head screw M4x12      | 023 062 |
| 7   | Clamp                     | 228 583 |  | 509 | Pan-head screwM8x16       | 023 113 |
| 8   | Slot nut                  | 228 851 |  | 510 | Pan-head screwM8x18       | 251 331 |
| 10  | Cover                     | 253 968 |  | 511 | Pan-head screwM6x30       | 023 451 |
| 11  | Holding angle             | 253 964 |  | 512 | Serrated lock washer A4,3 | 022 482 |
| 12  | Holding angle             | 253 963 |  | 513 | Pan-head screwM4x6        | 022 946 |
| 13  | Holding angle             | 253 967 |  | 514 | Pan-head screwM4x10       | 023 450 |
| 14  | Cable plating             | 253 468 |  | 515 | Cap nut M4-6              | 253 805 |



16.12 Bobbin holder on the right

| Pos | Designation                | ID      | Pos | Designation               | ID      |
|-----|----------------------------|---------|-----|---------------------------|---------|
| Σ   | Bobbin holder on the right | 253 966 | 501 | Pan-head screwM4x25       | 023 511 |
| 1   | Support                    | 253 969 | 502 | Washer4                   | 022 481 |
| 2   | Support                    | 252 769 | 503 | Hexagon nut M4-6          | 022 536 |
| 3   | Leaf spring                | 253 350 | 505 | Washer6                   | 022 431 |
| 4   | Support right              | 253 348 | 506 | Hexagon nut M6-6          | 022 899 |
| 5   | Spacer                     | 253 349 | 507 | Pan-head screwM4x16       | 023 412 |
| 6   | Yarn detector Massardi     | 226 964 | 508 | Pan-head screw M4x12      | 023 062 |
| 7   | Clamp                      | 228 583 | 509 | Pan-head screwM8x16       | 023 113 |
| 8   | Slot nut                   | 228 851 | 510 | Pan-head screwM8x18       | 251 331 |
| 10  | Cover                      | 253 968 | 511 | Pan-head screwM6x30       | 023 451 |
| 11  | Holding angle              | 253 964 | 512 | Serrated lock washer A4,3 | 022 482 |
| 12  | Holding angle              | 253 963 | 513 | Pan-head screwM4x6        | 022 946 |
| 13  | Holding angle              | 253 967 | 514 | Pan-head screwM4x10       | 023 450 |
| 14  | Cable plating              | 253 468 | 515 | Cap nut M4-6              | 253 805 |

