

# AR80 VL-1S



## Spare parts manual

Valid from machine number:  
**80002012**

# Varimixer

EN

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2022 11 09

|                                     |           |
|-------------------------------------|-----------|
| <b>SPEED REGULATION.....</b>        | <b>3</b>  |
| <b>TRANSMISSION .....</b>           | <b>4</b>  |
| <b>PLANETARY HEAD .....</b>         | <b>6</b>  |
| <b>MACHINE COLUMN.....</b>          | <b>8</b>  |
| <b>SAFETY GUARD.....</b>            | <b>10</b> |
| <b>LIFTING SYSTEM .....</b>         | <b>12</b> |
| <b>ATTACHMENT DRIVE.....</b>        | <b>14</b> |
| <b>MICROSWITCHES .....</b>          | <b>16</b> |
| <b>CABLES.....</b>                  | <b>17</b> |
| <b>ELECTRIC COMPONENTS.....</b>     | <b>18</b> |
| <b>FRONT PANEL ASSEMBLY.....</b>    | <b>20</b> |
| <b>BOWLS AND MIXING TOOLS .....</b> | <b>22</b> |

## ORDERING OF SPARE PARTS:

Sales of spare parts for our mixers, are handled in our sales and service department. When ordering spare parts, the following information must be provided:

- 1. Type of machine.**
- 2. Number of the machine.**
- 3. Article number of the spare part in question. (Order no.)**
- 4. Method of conveyance.**

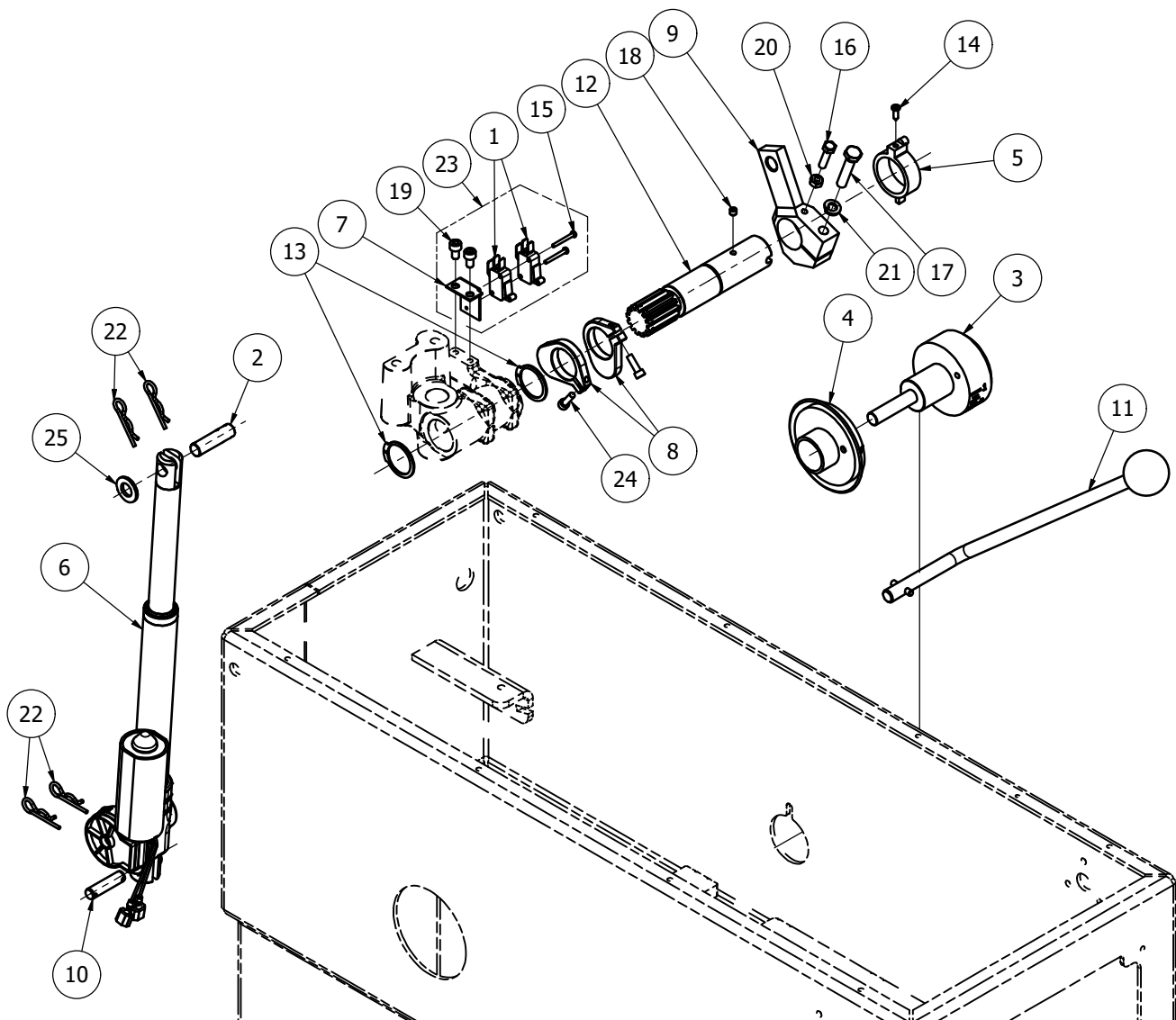
If one of the above pieces of information is missing, please contact our sales and service department before placing the order, as then we can assist you in finding the correct article number (**order no.**) of the spare part in question.

A few spare parts are not sold alone, in such cases reference is made at the pos.number to the assembly number to be used for ordering. The assembly numbers are shown on the relevant pages.

Returning of spare parts is only allowed when agreed with:

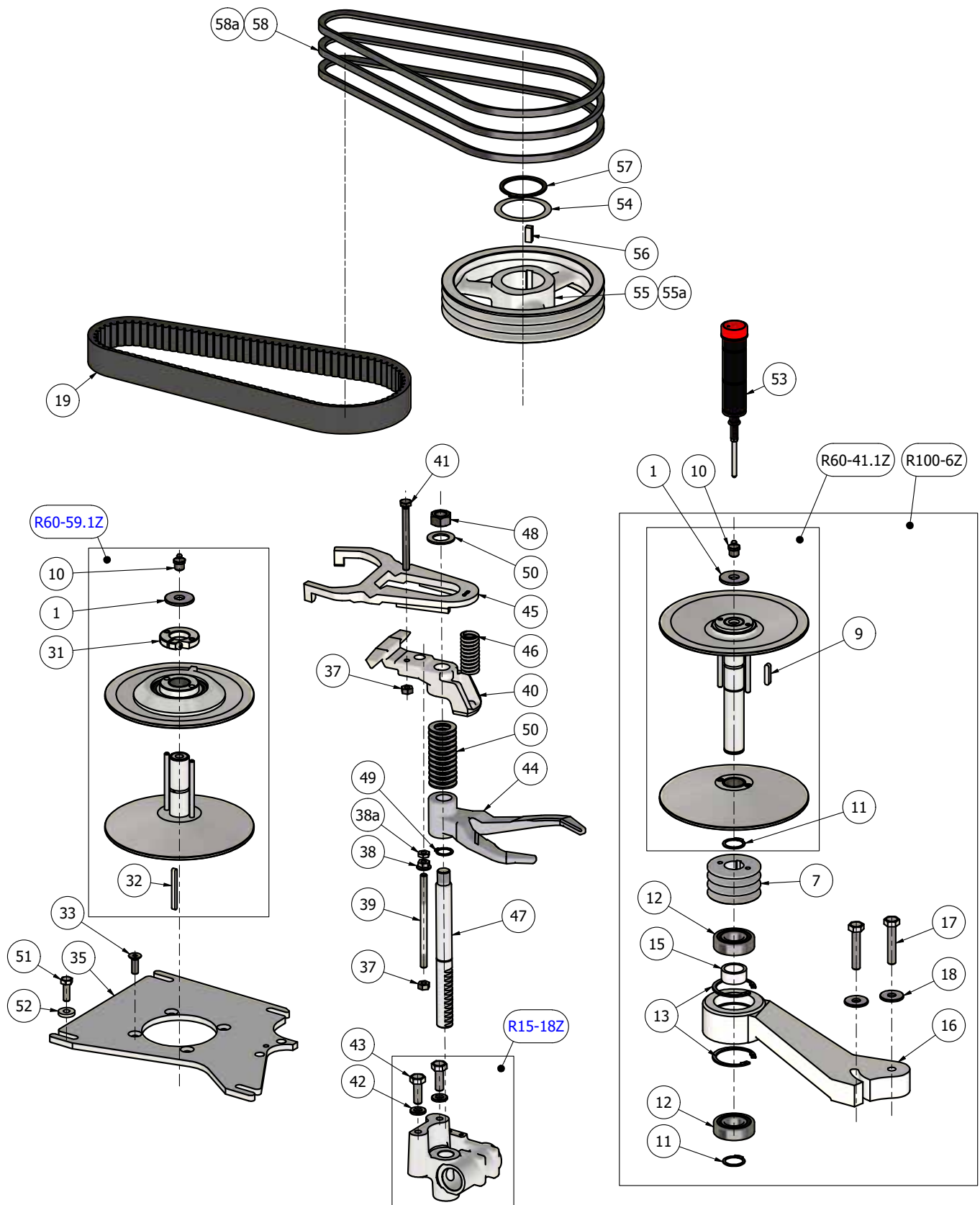
**Varimixer A/S**

| FIG NO. | ORDER NO.    | DESCRIPTION              |
|---------|--------------|--------------------------|
| 1       | 56SN20-30    | Microswitch              |
| 2       | AR31-519.4   | Pin                      |
| 3       | AR60-318.1M  | Cap with scale           |
| 4       | AR30-47.10   | Disc with arrow          |
| 5       | AR30-47.11   | Clamp, speed indicator   |
| 6       | AR30-517     | Actuator                 |
| 7       | AR61-520.11  | Bracket, limit switch    |
| 8       | AR31-520.3   | Limit switch, cam washer |
| 9       | AR60-543E    | Servo arm                |
| 10      | AR81-86.41   | Pin                      |
| 11      | R20-47.1M    | Speed selector lever     |
| 12      | R60E-47.1    | Change over shaft        |
| 13      | STA3414      | Circlip                  |
| 14      | STA5247      | Screw                    |
| 15      | STA5254      | Self tapping Screw       |
| 16      | STA5434      | Screw                    |
| 17      | STA5436      | Screw                    |
| 18      | STA5607      | Screw                    |
| 19      | STA5619      | Screw                    |
| 20      | STA5819      | Nut                      |
| 21      | STA6056      | Lock washer              |
| 22      | STA6205      | Spring cotter pin        |
| 23      | AR61-520.11M | Limit switch, assembly   |
| 24      | STA5712      | Screw                    |
| 25      | STA6011      | Washer                   |



## TRANSMISSION

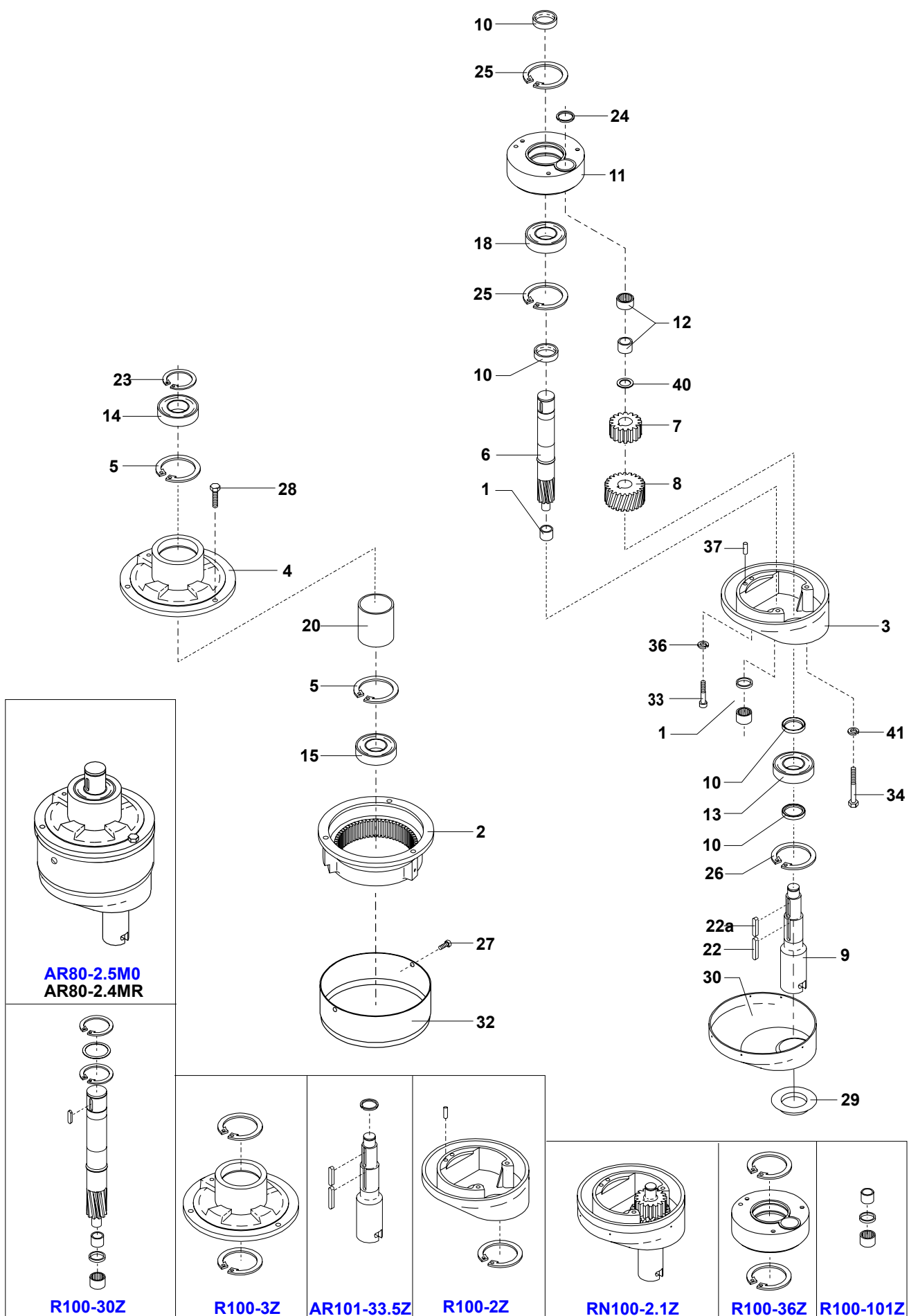
| FIG NO.   | ORDER NO.                 | DESCRIPTION                    |
|-----------|---------------------------|--------------------------------|
| 1 .....   | STA6018 .....             | Washer                         |
| 7 .....   | R100-128 .....            | Pulley small                   |
| 9 .....   | STA2024 .....             | Feather Key                    |
| 10 .....  | STA3220 .....             | Grease nipple                  |
| 11 .....  | STA3410 .....             | Circlip                        |
| 12 .....  | 6205 2RS .....            | Ball bearing                   |
| 13 .....  | STA3514 .....             | Circlip                        |
| 15 .....  | R100-143 .....            | Distance bushing               |
| 16 .....  | R100-6 .....              | Bearing arm                    |
| 17 .....  | STA5348 .....             | Hex cap screw                  |
| 18 .....  | STA6033 .....             | Washer                         |
| 19 .....  | R60-91 .....              | V-belt                         |
| 31 .....  | R27-227Z .....            | Clamping ring                  |
| 32 .....  | STA2011 .....             | Feather Key                    |
| 33 .....  | STA5018 .....             | countersunk head screw         |
| 35 .....  | R60-61.1E .....           | Base for motor                 |
| 36 .....  | R15-18Z .....             | Bearing bracket                |
| 37 .....  | STA5810 .....             | Hex Nut                        |
| 38 .....  | STA5895 .....             | Hex flange nut                 |
| 38a ..... | STA5812 .....             | Hex Nut                        |
| 39 .....  | AR81-305 .....            | Stud bolt                      |
| 40 .....  | R20-26.1 .....            | Support bracket for belt       |
| 41 .....  | STA5446 .....             | Hex cap screw                  |
| 42 .....  | STA6026 .....             | Washer                         |
| 43 .....  | STA5345 .....             | Hex cap screw                  |
| 44 .....  | R27-16 .....              | Fork for belt tightener, lower |
| 45 .....  | R20-19 .....              | Fork for belt tightener        |
| 46 .....  | R20-275 .....             | Compression spring             |
| 47 .....  | R15-46Z .....             | Toothed rack shaft             |
| 48 .....  | STA5815 .....             | Hex Nut                        |
| 49 .....  | STA3407 .....             | Circlip                        |
| 50 .....  | STA6040 .....             | Washer                         |
| 51 .....  | STA5433 .....             | Hex cap screw                  |
| 52 .....  | STA6034 .....             | Washer                         |
| 53 .....  | R15-142-USPUL .....       | Grease gun                     |
| 54 .....  | STA6048 .....             | Washer                         |
| 55 .....  | *1) .. R100-129 .....     | Belt pulley                    |
| 55a ..... | *2) .. R100-129A .....    |                                |
| 56 .....  | STA2030 .....             | Feather Key                    |
| 57 .....  | STA3419 .....             | Circlip                        |
| 58 .....  | *1) .. R100-90Z .....     | V-belt                         |
| 58a ..... | *2) .. R100-90.1Z .....   |                                |
| .....     | *1) .. 50 Hz power supply |                                |
| .....     | *2) .. 60 Hz power supply |                                |



- R60-59.1Z** ..... Motor pulley, assembly  
**R100-6M** ..... Pulley bearing arm, assembly  
**R60-41.1Z** ..... Pulley assembly  
**R15-18Z** ..... Bearing bracket, assembly

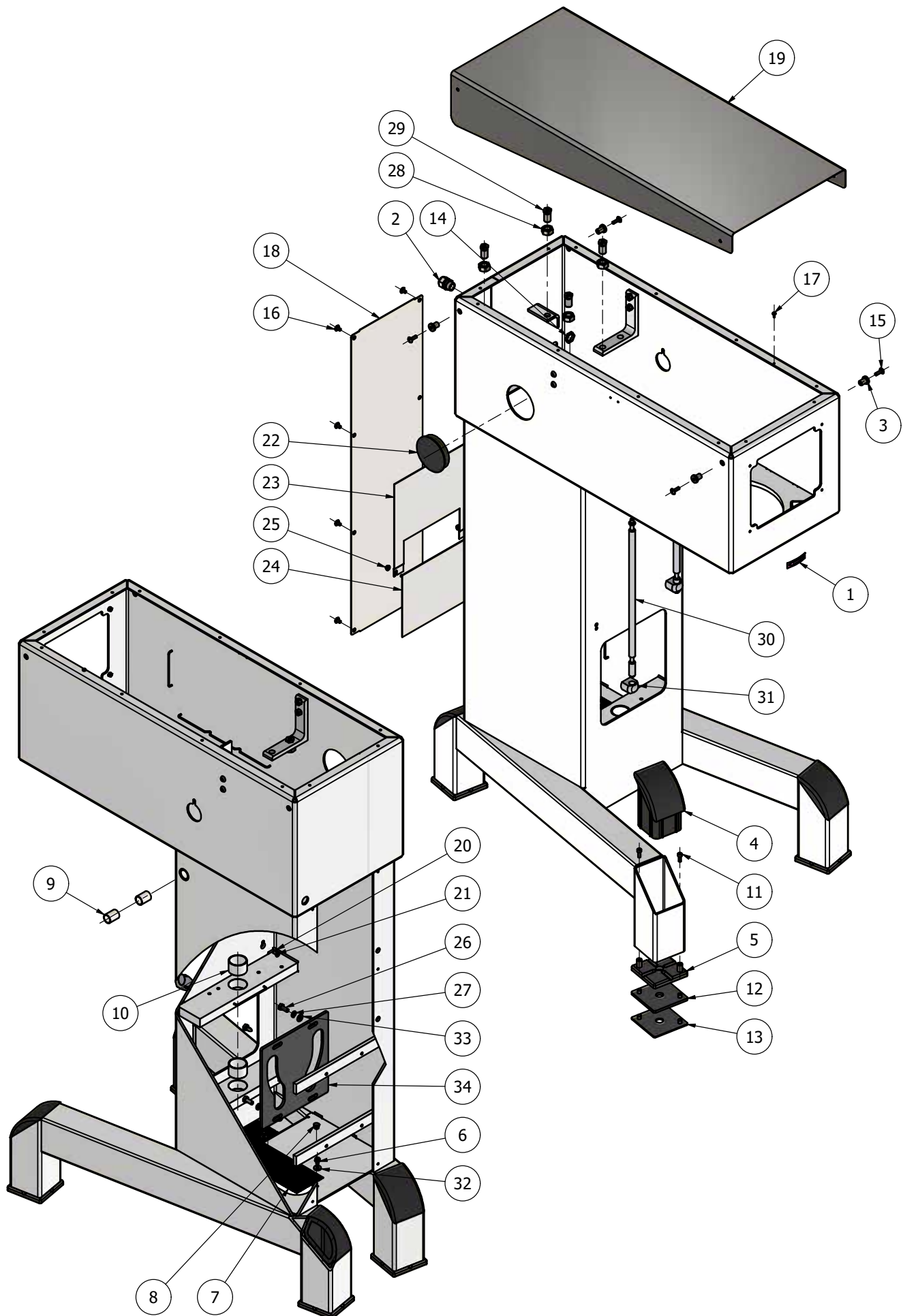
## PLANETARY HEAD

| FIG NO.   | ORDER NO.                            | DESCRIPTION              |
|-----------|--------------------------------------|--------------------------|
| .....     | *1) .. AR80-2.5M0.....               | Planetary head, assembly |
| .....     | *3) .. AR80-2.4MR.....               |                          |
| .....     |                                      |                          |
| 1 .....   | R100-101Z.....                       | Needle bearing, kit      |
| 2 .....   | *1) .. R100-1 .....                  | Gear wheel rim           |
| .....     | *3) .. R100-1M5.....                 |                          |
| 3 .....   | *1) .. R100-2Z.....                  | Eccentric head, kit      |
| .....     | *3) .. R100-2M5.....                 |                          |
| 4 .....   | *1) .. R100-3Z.....                  | Main bearing, kit        |
| .....     | *3) .. R100-3M5.....                 |                          |
| 5 .....   | STA3532 .....                        | Circlip                  |
| 6 .....   | R100-30 .....                        | Main shaft               |
| 7 .....   | AR140-31 .....                       | Rim pinion               |
| 8 .....   | R100-32.1 .....                      | Rim pinion, lower        |
| 9 .....   | AR101-33.5.....                      | Bayonet shaft            |
| 10 .....  | R100-37 .....                        | Distance piece           |
| 11 .....  | R100-36.....                         | Eccentric disc           |
| 12 .....  | R100-96.....                         | Needle bearing           |
| 13 .....  | R100-97 .....                        | Ball bearing             |
| 14 .....  | R100-98 .....                        | Ball bearing             |
| 15 .....  | R100-99 .....                        | Ball bearing             |
| 18 .....  | R100-100 .....                       | Ball bearing             |
| 20 .....  | R100-141 .....                       | Distance tube            |
| 22 .....  | STA2039 .....                        | Feather Key              |
| 22a ..... | STA2034 .....                        | Feather Key              |
| 23 .....  | STA3419 .....                        | Circlip                  |
| 24 .....  | STA3478 .....                        | Circlip                  |
| 25 .....  | STA3530 .....                        | Circlip                  |
| 27 .....  | *1) .. STA5263 .....                 | Screw                    |
| .....     | *3) .. STA9003 .....                 |                          |
| 28 .....  | STA5333 .....                        | Screw                    |
| 29 .....  | R100-209 .....                       | Seal ring                |
| 30 .....  | W100-272 .....                       | Cap, planetary head      |
| 32 .....  | AR80-162H .....                      | Plastic cap              |
| 33 .....  | STA5644 .....                        | Screw                    |
| 34 .....  | STA5652 .....                        | Screw                    |
| 36 .....  | STA6057 .....                        | Lock washer              |
| 37 .....  | STA6460 .....                        | Grooved pin              |
| 40 .....  | R100-235 .....                       | Washer                   |
| 41 .....  | STA6029 .....                        | Washer                   |
| .....     |                                      |                          |
| .....     | *1) .. Standard version.....         |                          |
| .....     | *3) .. Stainless steel frame version |                          |
| .....     |                                      |                          |
| .....     | R100-30Z .....                       | Main shaft, kit          |
| *1).....  | R100-3Z .....                        | Main bearing, kit        |
| .....     | AR101-33.5Z.....                     | Bayonet shaft, kit       |
| *1).....  | R100-2Z .....                        | Eccentric head, kit      |
| *1).....  | RN100-2.1Z .....                     | Eccentric head mounted   |
| .....     | R100-36Z .....                       | Eccentric disc, kit      |
| .....     | R100-101Z .....                      | Needle bearing, kit      |



## MACHINE COLUMN

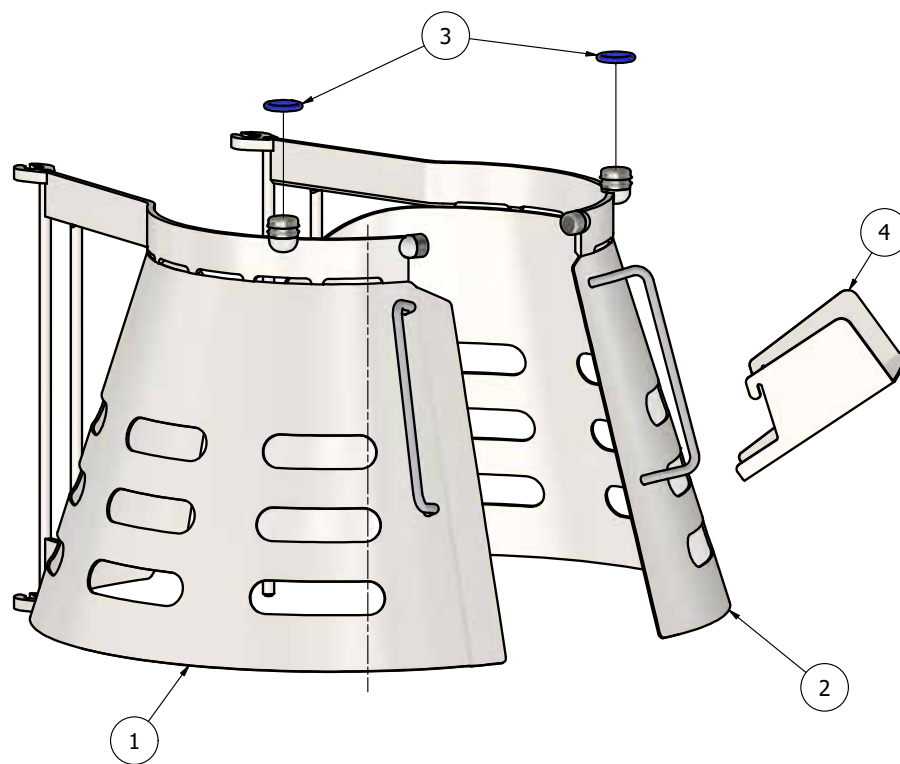
| FIG NO.  | ORDER NO.                          | DESCRIPTION               |
|----------|------------------------------------|---------------------------|
| 1 .....  | R15-245 .....                      | Arrow sign                |
| 2 .....  | <a href="#">STA3002</a> .....      | Cable gland               |
| 3 .....  | <a href="#">STA6580</a> .....      | Threaded bushing          |
| 4 .....  | <a href="#">AR80-212</a> .....     | Blanking plug             |
| 5 .....  | <a href="#">AR80-213</a> .....     | Base plate                |
| 6 .....  | <a href="#">STA5045</a> .....      | Screw                     |
| 7 .....  | AR31-22.180 .....                  | Grate                     |
| 8 .....  | <a href="#">STA6511</a> .....      | Plug button               |
| 9 .....  | <a href="#">STA2515</a> .....      | Bearing bushing           |
| 10 ..... | <a href="#">STA2526</a> .....      | Bearing bushing           |
| 11 ..... | <a href="#">STA5615</a> .....      | Socket head screw         |
| 12 ..... | <a href="#">AR80-214.6</a> .....   | Adjustment plate, 3mm     |
| 13 ..... | <a href="#">AR80-214.3</a> .....   | Adjustment plate, 6mm     |
| 14 ..... | <a href="#">STA3014</a> .....      | Cable gland nut           |
| 15 ..... | <a href="#">STA5017</a> .....      | Screw                     |
| 16 ..... | <a href="#">STA5080</a> .....      | Screw                     |
| 17 ..... | <a href="#">STA5232</a> .....      | Self tapping Screw        |
| 18 ..... | <a href="#">AR81-22.17R</a> .....  | Cover plate               |
| 19 ..... | AR81P-21 .....                     | Top cover                 |
| 20 ..... | STA5724 .....                      | Set screw                 |
| 21 ..... | STA5624 .....                      | Countersunk head screw    |
| 22 ..... | <a href="#">STA6510</a> .....      | Plug button               |
| 23 ..... | <a href="#">AR81-270</a> .....     | Cover plate, upper        |
| 24 ..... | <a href="#">AR81-271</a> .....     | Cover plate, lower        |
| 25 ..... | <a href="#">STA5897</a> .....      | Hex flange nut            |
| 26 ..... | <a href="#">STA5322</a> .....      | Hex cap screw             |
| 27 ..... | <a href="#">STA6056</a> .....      | Lock washer               |
| 28 ..... | <a href="#">STA5815</a> .....      | Hex nut                   |
| 29 ..... | <a href="#">R20-148</a> .....      | Threaded bushing          |
| 30 ..... | <a href="#">56AE140-25</a> .....   | Shaft for Safety guard    |
| 31 ..... | <a href="#">56AE140-25.1</a> ..... | Bracket for Safety guard  |
| 32 ..... | STA6165 .....                      | Washer                    |
| 33 ..... | <a href="#">STA6020</a> .....      | Washer                    |
| 34 ..... | <a href="#">AR81-71</a> .....      | Guide plate for bowl arms |



**SAFETY GUARD**

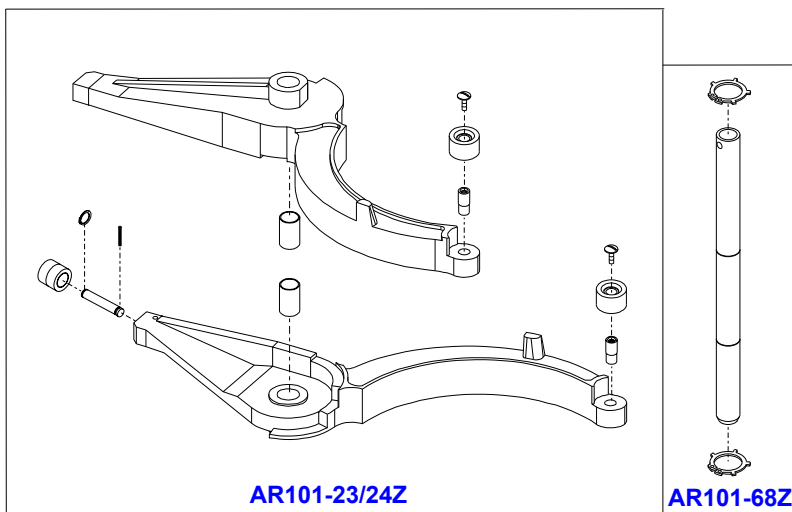
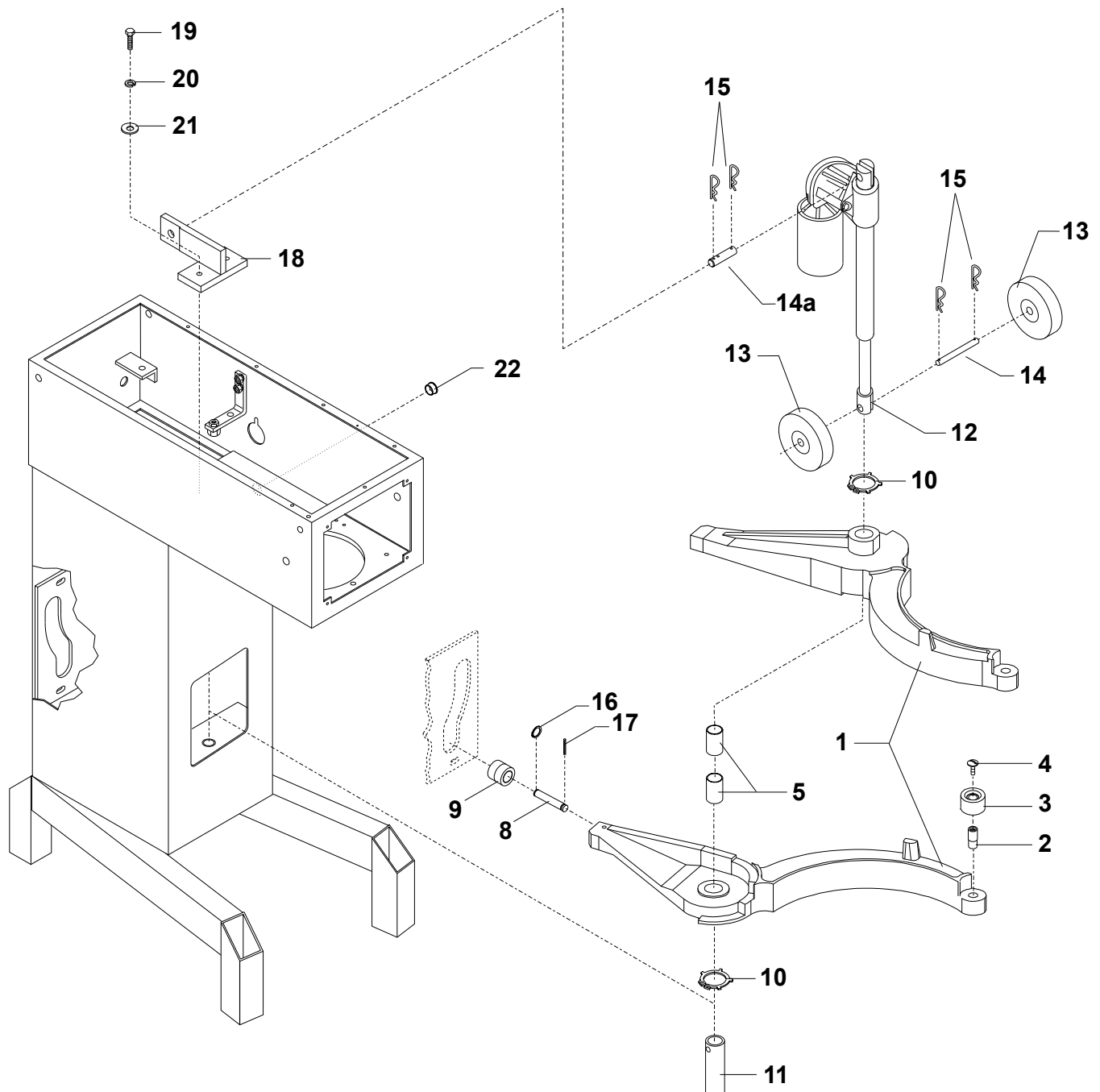
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| FIG<br>NO. | ORDER<br>NO.                  | DESCRIPTION        |
|------------|-------------------------------|--------------------|
| 1 .....    | 35AR81-21.3M.....             | Safety guard left  |
| 2 .....    | 35AR81-22.3M.....             | Safety guard right |
| 3 .....    | <a href="#">STA3149</a> ..... | O-ring             |
| 4 .....    | 56CE101-280.....              | Filling tray       |



**LIFTING SYSTEM**

| <b>FIG<br/>NO.</b> | <b>ORDER<br/>NO.</b>                                  | <b>DESCRIPTION</b>             |
|--------------------|-------------------------------------------------------|--------------------------------|
| 1 .....            | <a href="#">AR81-23/24Z</a> .....                     | Bowl arm set, colour black**   |
| ** .....           | For other colours, please contact Varimixer A/S ..... |                                |
| 2 .....            | <a href="#">AR31-127</a> .....                        | Roller shaft                   |
| 3 .....            | <a href="#">AR31-128</a> .....                        | roll for bowl clamping         |
| 4 .....            | <a href="#">STA5088</a> .....                         | Screw                          |
| 5 .....            | <a href="#">STA2526</a> .....                         | Bearing bushing                |
| 8 .....            | <a href="#">AR81-71.10</a> .....                      | Shaft for bowl arm guide       |
| 9 .....            | <a href="#">AR81-71.5M</a> .....                      | Bush for bowl arm guide, mount |
| 10 .....           | <a href="#">STA3462</a> .....                         | Circlip                        |
| 11 .....           | <a href="#">AR81-68Z</a> .....                        | Bowl arm, guide rod            |
| 12 .....           | <a href="#">AR30-86.2B</a> .....                      | Lifting motor                  |
| 13 .....           | <a href="#">RN100-66</a> .....                        | Guide for lifting motor        |
| 14 .....           | <a href="#">RN100-67</a> .....                        | shaft                          |
| 14a .....          | <a href="#">AR80-86.41</a> .....                      | Shaft                          |
| 15 .....           | <a href="#">STA6205</a> .....                         | Spring cotter                  |
| 16 .....           | <a href="#">STA3408</a> .....                         | Circlip                        |
| 17 .....           | <a href="#">STA6370</a> .....                         | Pin                            |
| 18 .....           | <a href="#">AR81-86.40M4</a> .....                    | Fitting for lifting motor      |
| 19 .....           | <a href="#">STA5322</a> .....                         | Screw                          |
| 20 .....           | <a href="#">STA6020</a> .....                         | Washer                         |
| 21 .....           | <a href="#">STA6056</a> .....                         | Spring lock washer             |
| 22 .....           | <a href="#">STA6517</a> .....                         | Blanking plug                  |



## ATTACHMENT DRIVE

| FIG NO.       | ORDER NO.                      | DESCRIPTION                     |
|---------------|--------------------------------|---------------------------------|
| 1 .....       | <a href="#">R15-5</a> .....    | Bearing hub                     |
| 2 .....       | <a href="#">R20-9</a> .....    | Worm wheel                      |
| 3 .....       | <a href="#">R15-10</a> .....   | Gear case                       |
| 4 .....       | <a href="#">R15-11</a> .....   | Gear case cover                 |
| 5 .....       | <a href="#">R20-49</a> .....   | Worm shaft                      |
| 6 .....       | <a href="#">R20-52Z</a> .....  | Gear shaft assembly             |
| 7 .....       | R15-50Z .....                  | Attachment drive shaft assembly |
| 8 .....       | <a href="#">STA2032</a> .....  | Key                             |
| 9 .....       | <a href="#">R20-104</a> .....  | Ball bearing                    |
| 10 .....      | <a href="#">R20-107</a> .....  | Oil seal                        |
| 11 .....      | R20-300 .....                  | Gasket                          |
| 12 .....      | <a href="#">R20-300Z</a> ..... | Gasket kit                      |
| 13 .....      | <a href="#">R20-301</a> .....  | Gasket                          |
| 14 .....      | <a href="#">STA2007</a> .....  | Key                             |
| 15 .....      | <a href="#">STA2011</a> .....  | Key                             |
| 16 .....      | <a href="#">STA3410</a> .....  | Circlip                         |
| 17 .....      | <a href="#">STA5018</a> .....  | Screw                           |
| 18 .....      | 6005 2RS .....                 | Ball bearing                    |
| 19 .....      | <a href="#">STA5433</a> .....  | Screw                           |
| 20 .....      | <a href="#">STA5908</a> .....  | Seal washer                     |
| 21 .....      | <a href="#">STA6020</a> .....  | Washer                          |
| 23 + 29 ..... | <a href="#">STA6056</a> .....  | Lock washer                     |
| 24 .....      | <a href="#">R15-211</a> .....  | Rubber ring                     |
| 25 .....      | <a href="#">R15-215</a> .....  | End cover                       |
| 26 .....      | R15-8M0 .....                  | Engagement hub, white           |
| 27 .....      | <a href="#">STA5322</a> .....  | Screw                           |
| 28 .....      | <a href="#">STA5561</a> .....  | Finger screw                    |
| 29 .....      | R20-249 .....                  | Label, "Greased for life"       |
| 30 .....      | STA6316 .....                  | Pin                             |

.....AR60-10Z.....Attachment drive assy.  
 .....AR60-10.5Z.....Attachment drive mounted  
 .....R30-10.5M.....Gear case assy.  
 .....R15-8Z.....Attachment hub assy. white

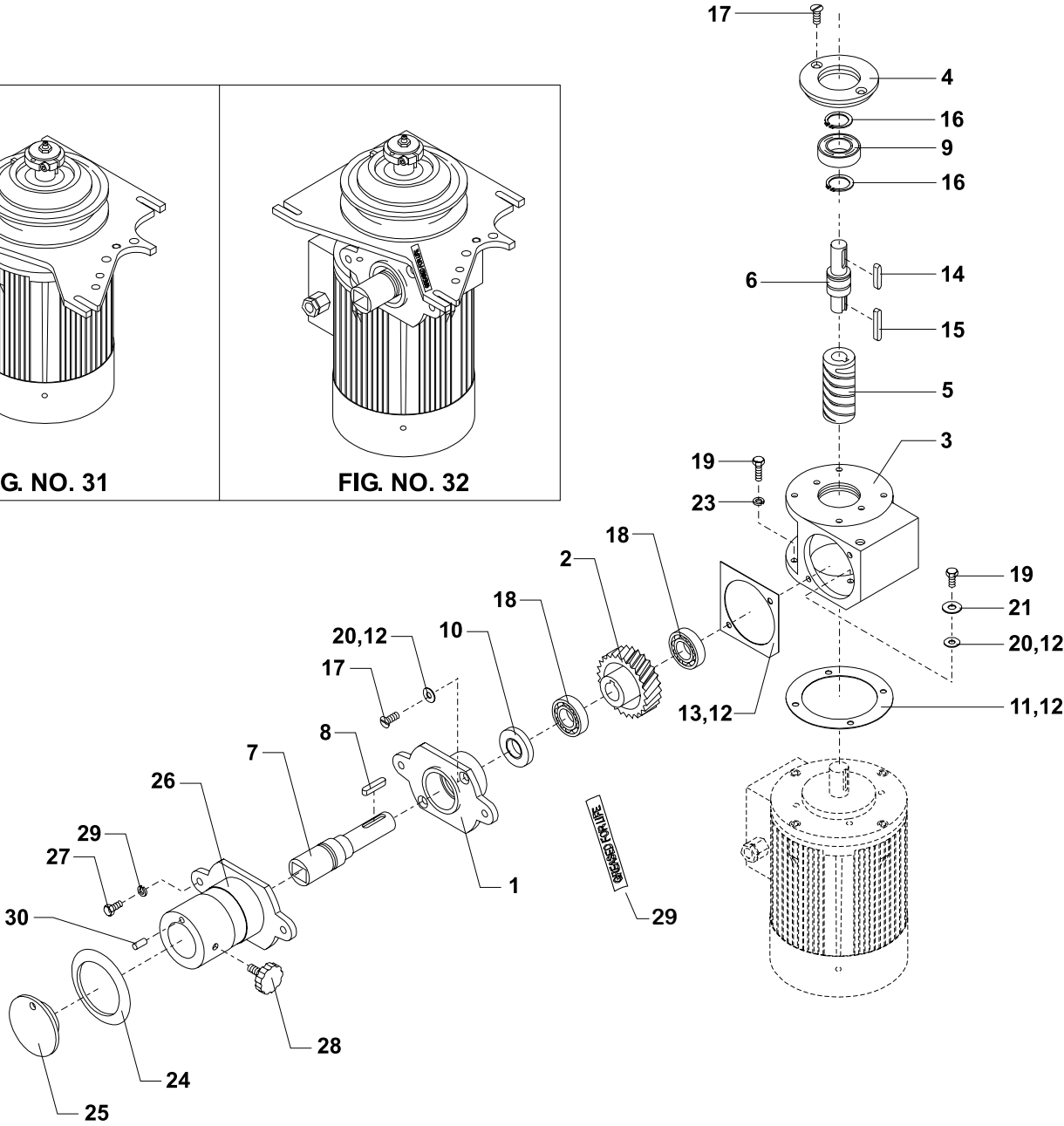
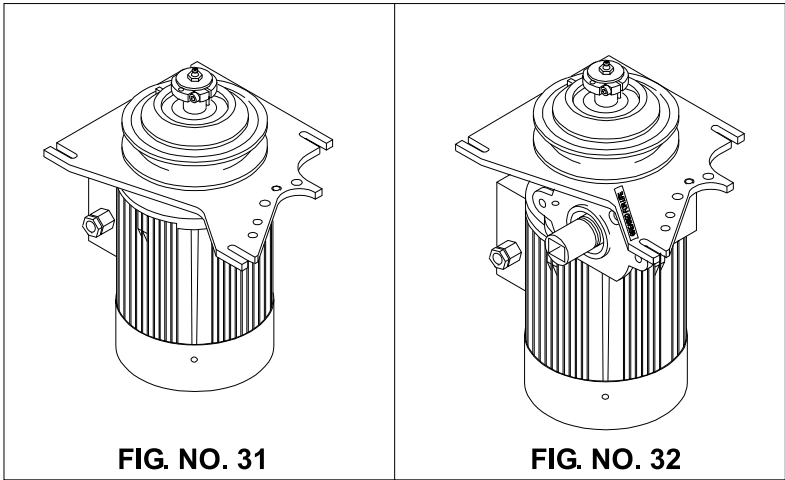
.....Identification of motor, see page 18.

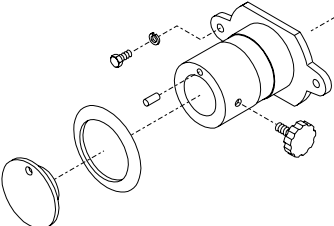
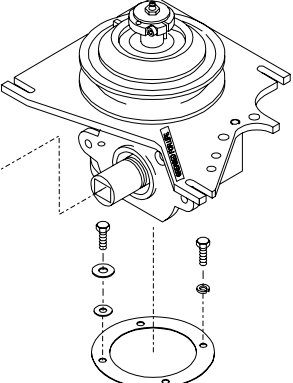
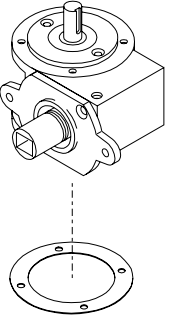
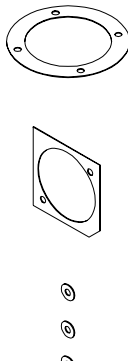
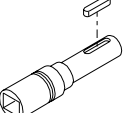
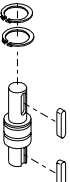
**31 ..Drive unit, cable included**

.....Motor [R100-85.1](#), 2,9 kW  
 .....07080-2930  
 .....07080-2930R stainless steel frame version  
 .....Motor [R100-85.52](#), 3 kW, 3x200/50-3x208/60  
 .....07080-3030  
 .....07080-3030R stainless steel frame version

**32 ..Drive unit with attachment Drive, cable included**

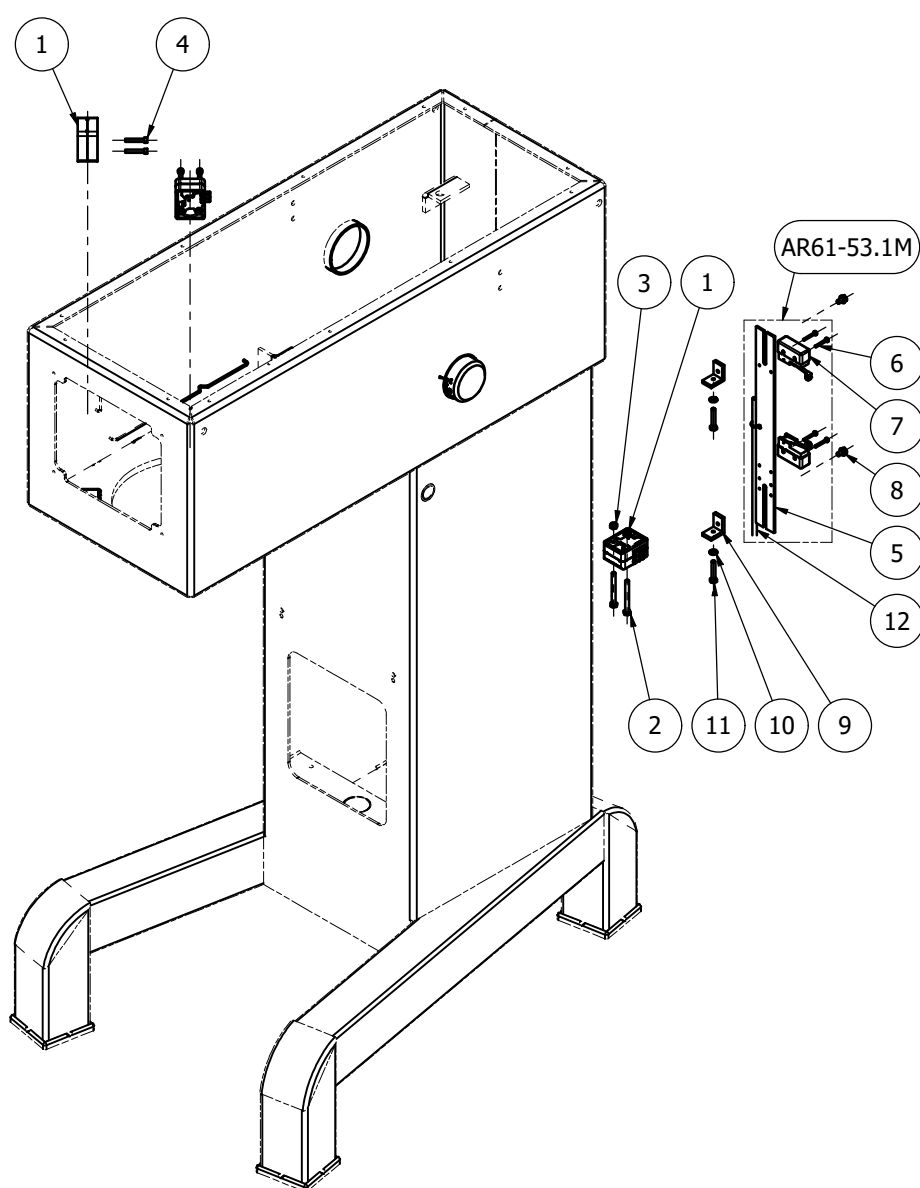
.....Motor [R100-85.1](#), 2,9 kW  
 .....07080-2941  
 .....07080-2941 ... stainless steel frame version  
 .....Motor [R100-85.52](#), 3 kW, 3x200/50-3x208/60  
 .....07080-3042  
 .....07080-3042R stainless steel frame version



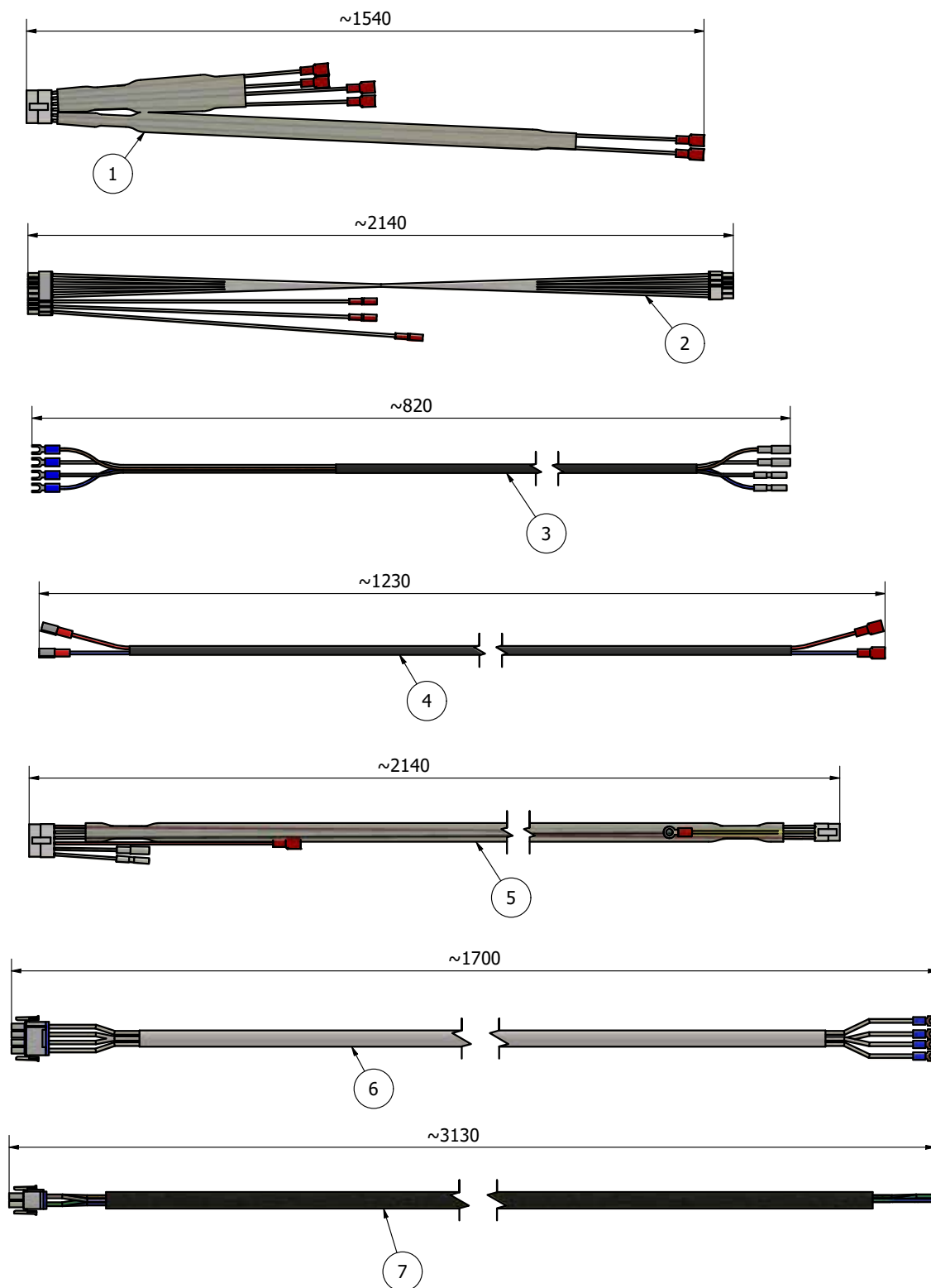
|                                                                                                   |                                                                                                       |                                                                                                       |                                                                                                       |                                                                                                      |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|  <p>R15-8Z</p> |  <p>AR60-10.5Z</p> |  <p>R30-10.5M</p> |  <p>R20-300Z</p> |  <p>R15-50Z</p> |
| <p>AR60-10Z</p>                                                                                   |                                                                                                       |                                                                                                       |                                                                                                       |  <p>R20-52Z</p> |

## MICROSWITCHES

| FIG NO.  | ORDER NO.                         | DESCRIPTION               |
|----------|-----------------------------------|---------------------------|
| 1 .....  | <a href="#">56CR10-111M</a> ..... | Safety Switch             |
| 2 .....  | STA5320 .....                     | Hex cap screw             |
| 3 .....  | <a href="#">STA5837</a> .....     | Lock Nut                  |
| 4 .....  | STA5721 .....                     | Hex cap screw             |
| 5 .....  | AR31-53 .....                     | Bracket for switch        |
| 6 .....  | <a href="#">STA5253</a> .....     | Screw                     |
| 7 .....  | <a href="#">AR61-522</a> .....    | Microswitch               |
| 8 .....  | <a href="#">STA5045</a> .....     | Hex Cap screw             |
| 9 .....  | AR81-53.01 .....                  | Angle fitting             |
| 10 ..... | <a href="#">STA6008</a> .....     | Washer                    |
| 11 ..... | <a href="#">STA5435</a> .....     | Hex cap screw             |
| 12 ..... | AR30-194.41M .....                | Lifting signal cable      |
|          | AR61-53.61M .....                 | Lifting contacts assembly |



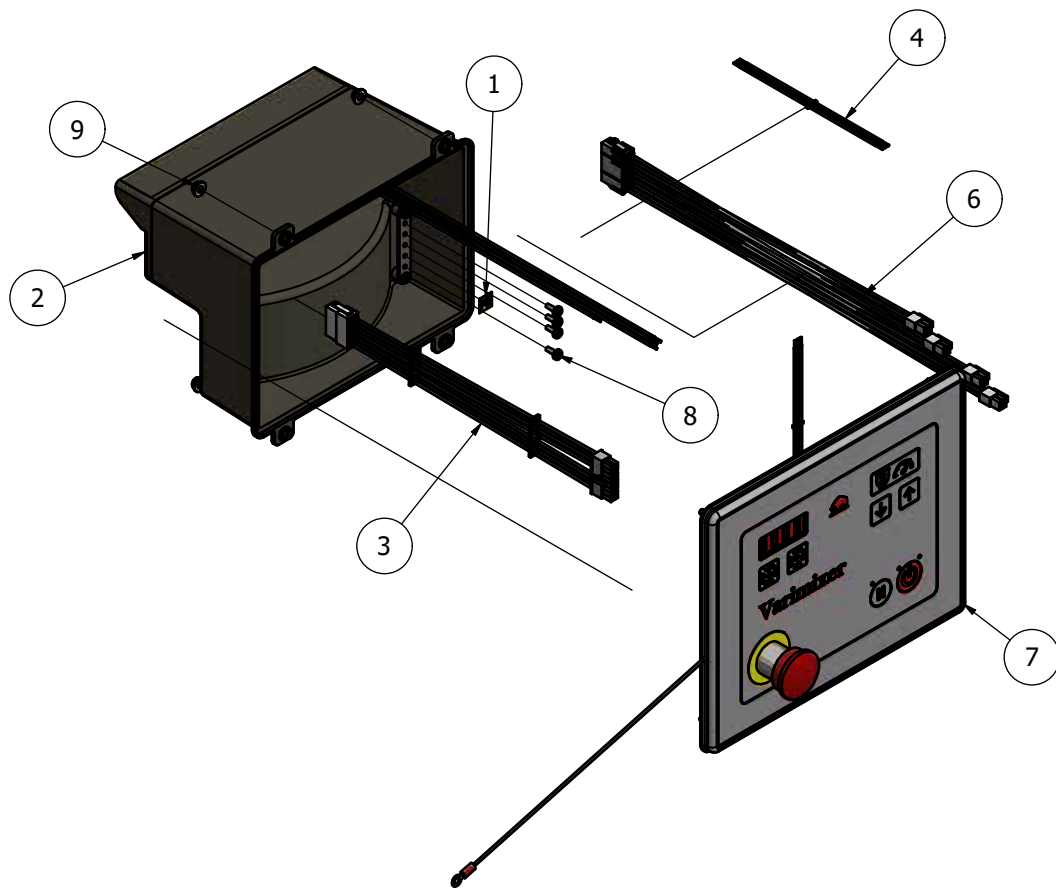
| FIG NO. | ORDER NO.          | DESCRIPTION                         |
|---------|--------------------|-------------------------------------|
| 1 ..... | AR31-194.19M ..... | Cable, safety switches              |
| 2 ..... | AR31-194.90M ..... | Signal cable                        |
| 3 ..... | AR30-194.41M ..... | Lifting signal cable                |
| 4 ..... | AR31-194.23M ..... | Actuator cable                      |
| 5 ..... | AR31-194.87M ..... | Supply cable                        |
| 6 ..... | AR31-194.62M ..... | Motor supply cable                  |
| 7 ..... | AR31-194.59M ..... | Power supply cable, with neutral    |
| .....   | AR31-194.65M ..... | Power supply cable, without neutral |



## ELECTRIC COMPONENTS

| FIG NO. | ORDER NO.                          | DESCRIPTION          |
|---------|------------------------------------|----------------------|
| 1 ..... | AR30-453.1.....                    | Physical earth label |
| 2 ..... | AR31-152.2M.....                   | Enclosure assembly   |
| 3 ..... | AR31-194.18M.....                  | Safety cable         |
| 4 ..... | <a href="#">AR31-194.82M</a> ..... | Supply cable         |
| 5 ..... | AR31-194.88M.....                  | Supply cable         |
| 6 ..... | AR31-194.91M.....                  | Signal cable         |
| 7 ..... | <a href="#">AR31-530.16M</a> ..... | Front panel assembly |
| 8 ..... | <a href="#">STA5232</a> .....      | Self tapping Screw   |
| 9 ..... | <a href="#">STA5897</a> .....      | Hex flange nut       |

| Frequency | Voltage   | Motor      | Power | Current | Connection  | Contactor,                  | Thermal Overload Relay | Overload relay setting |
|-----------|-----------|------------|-------|---------|-------------|-----------------------------|------------------------|------------------------|
| [Hz]      | [V]       | [Item no.] | [kW]  | [A]     |             | [fig.22]                    | [fig.23]               | [fig.23a] [A]          |
| 50        | 3x230     | R100-85.1  | 2,9   | 13      | Δ           | AR31-88.104<br>+AR31-88.146 | AR31-88.206            | 16                     |
|           | 3x380-415 |            |       | 7,5     | Y           |                             | AR31-88.204            | 9                      |
| 60        | 3x480     |            |       | 6,5     |             | AR31-88.115<br>+AR31-88.146 |                        | 8                      |
|           | 3x208     | 3          | 13    | Δ       | AR31-88.206 |                             | 16                     |                        |



## FRONT PANEL ASSEMBLY

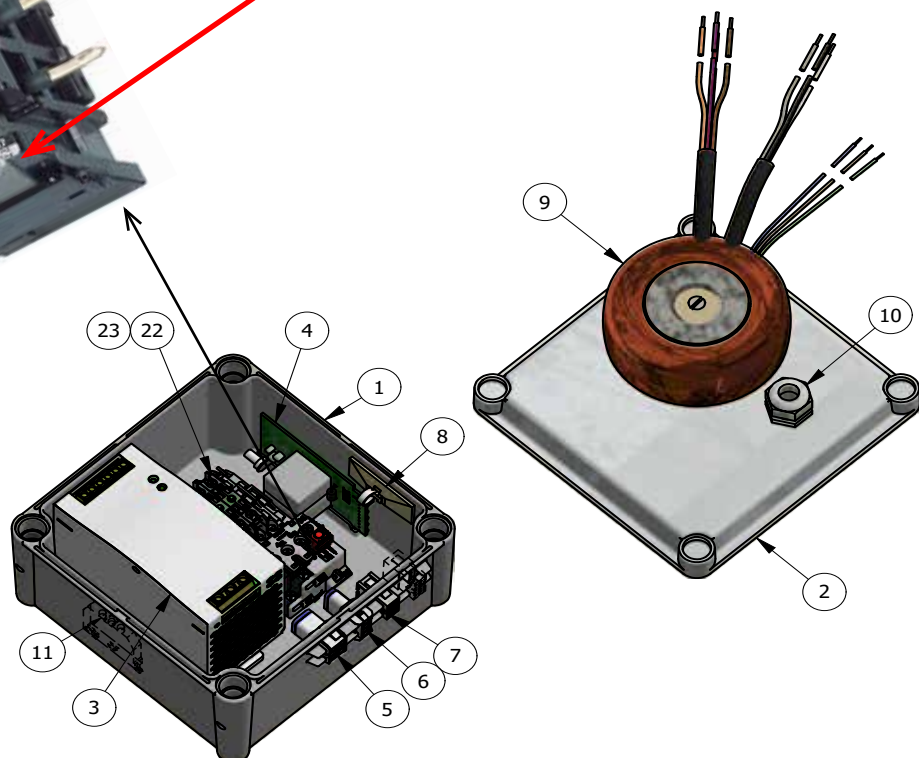
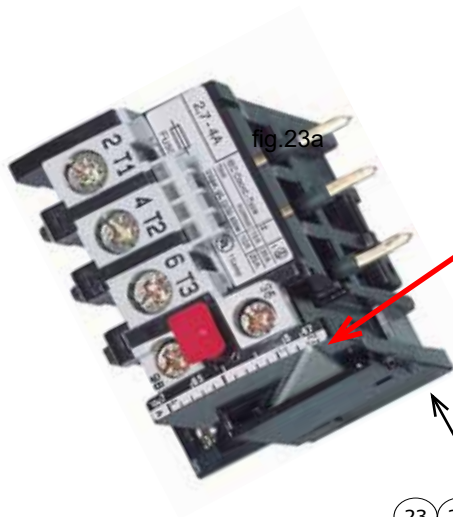
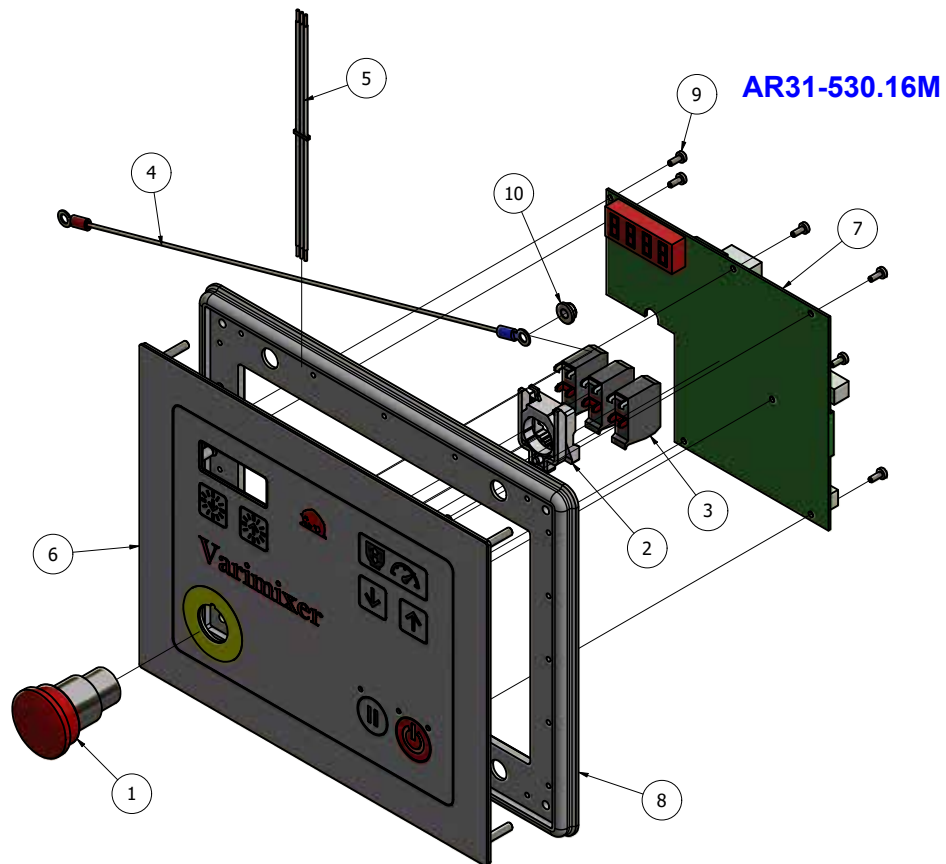
| FIG NO.  | ORDER NO.                          | DESCRIPTION            |
|----------|------------------------------------|------------------------|
| 1 .....  | AR31-174.35.....                   | Switch emergency stop  |
| 2 .....  | AR31-174.36.....                   | Switch mounting Collar |
| 3 .....  | <a href="#">AR31-174.37</a> .....  | Switch contact block   |
| 4 .....  | <a href="#">AR31-194.41M</a> ..... | Grounding cable        |
| 5 .....  | <a href="#">AR31-194.82M</a> ..... | Supply cable           |
| 6 .....  | AR31-530.6.....                    | Front Panel            |
| 7 .....  | <a href="#">AR31-532.11</a> .....  | Control board          |
| 8 .....  | <a href="#">AR31-562</a> .....     | Gasket                 |
| 9 .....  | STA5762 .....                      | Screw                  |
| 10 ..... | <a href="#">STA5897</a> .....      | Hex flange nut         |

## ENCLOSURE BOX ASSEMBLY

| FIG NO.  | ORDER NO.                        | DESCRIPTION                  |
|----------|----------------------------------|------------------------------|
| 1 .....  | AR31-418.9M.....                 | Enclosure                    |
| 2 .....  | AR31-418.6.....                  | Enclosure cover              |
| 3 .....  | <a href="#">AR31-414.1</a> ..... | Power Supply                 |
| 4 .....  | AR30-425.1.....                  | Electronic limit switch      |
| 5 .....  | AR31-194.58M.....                | Wire <a href="#">harness</a> |
| 6 .....  | AR31-194.64M.....                | Wire <a href="#">harness</a> |
| 7 .....  | AR31-194.86M.....                | Wire <a href="#">harness</a> |
| 8 .....  | STA6161 .....                    | Cable tie mount              |
| 9 .....  | *1) .. AR30E-430 .....           | Isolating transformer        |
| 10 ..... | <a href="#">STA3002</a> .....    | Cable gland                  |
| 11 ..... | AR30-457 .....                   | Screw terminal               |
| 22 ..... | *2) .....                        | Contactor                    |
| 23 ..... | *2) .....                        | Thermal Overload Relay       |

..... \*1) .. With isolating transformer, >380V without neutral

..... \*2) .. See page 18



**BOWLS AND MIXING TOOLS**

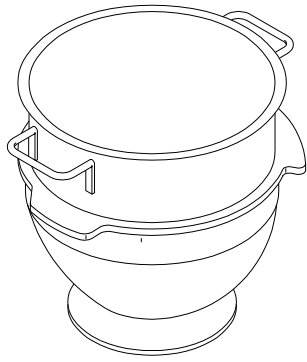
| <b>FIG NO.</b> | <b>ORDER NO.</b>             | <b>DESCRIPTION</b>                             |
|----------------|------------------------------|------------------------------------------------|
| 1 .....        | AR80-75M                     | A 80 Bowl                                      |
| 1 .....        | AR80-75AM                    | B 80/40 Bowl                                   |
| 2 .....        | R100-78M                     | A Hook                                         |
| 2 .....        | R100-78.5M                   | A Hook, double pin, standard                   |
| 2 .....        | RN100-78BM                   | B Hook                                         |
| 3 .....        | AR80-27.5M                   | A Flat beater, standard, aluminium, double pin |
| 3 .....        | R100-27BM                    | A Flat beater, aluminium                       |
| 3 .....        | R100-27B2M                   | A Flat beater, stainless                       |
| 3 .....        | AR80-27.6M                   | A Flat beater, stainless, double pin           |
| 3 .....        | RN100-27B2M                  | B Flat beater                                  |
| 3 .....        | RN100-27BM                   | B Flat beater, aluminium                       |
| 4 .....        | AR80-28M                     | A Whip                                         |
| 4 .....        | AR80-28MT                    | A Whip with thinner wires                      |
| 4 .....        | <a href="#">RN100-28BM</a>   | B Whip                                         |
| 4 .....        | RN100-28BMS                  | B Whip, with thicker wires                     |
| 5 .....        | 44AR80                       | A Whip, reinforced                             |
| 6 .....        | 14AR80                       | A Wing whip No. 14                             |
| 6 .....        | 14RN100B                     | B Wing whip No. 14                             |
| 7 .....        | 39AR80                       | A Powder mixer                                 |
| 8 ..... **     | 42AR80P                      | A Scraper with Blade (PA) and holder           |
| 8 ..... **     | 42AR80PT                     | A Scraper with Blade (PTFE) and holder         |
| 8 ..... **     | 42RN100BP                    | B Scraper with Blade (PA) and holder           |
| 8 ..... **     | 42RN100BPT                   | B Scraper with Blade (PTFE) and holder         |
| 9 .....        | <a href="#">42AR80-202</a>   | A Scraper with Blade (PA)                      |
| 9 .....        | 42AR80-202T                  | A Scraper with Blade (PTFE)                    |
| 9 .....        | <a href="#">42RN100B-202</a> | B Scraper with Blade (PA)                      |
| 9 .....        | 42RN100B-202T                | B Scraper with Blade (PTFE)                    |
| 10 .....       | <a href="#">42R100-105</a>   | Scraper holder                                 |
| 11.....        | <a href="#">42AR80-204</a>   | A Blade (PA) for scraper                       |
| 11.....        | 42AR80-204T                  | A Blade (PTFE) for scraper                     |
| 11.....        | 42RN100B-204                 | B Blade (PA) for scraper                       |
| 11.....        | 42RN100B-204T                | B Blade (PTFE) for scraper                     |
| 12 .....       | <a href="#">STA5652</a>      | Screw                                          |
| 13 .....       | <a href="#">STA6029</a>      | Washer                                         |
| 14 .....       | <a href="#">48R60Z</a>       | A Rack for mixing tools                        |
| 15 .....       | 22AR80                       | A Bowl truck                                   |
| 15a .....      | 22AR80A                      | B Bowl truck                                   |
| 16 .....       | <a href="#">22R276</a>       | A Bowl truck Handle                            |
| 16a .....      | <a href="#">22R277</a>       | B Bowl Truck Handle (Downsize Bowl)            |
| 17 .....       | 22R100-40                    | A Bowl truck frame                             |
| 17a .....      | <a href="#">22R30-41</a>     | B Bowl Truck Frame (Downsize Bowl)             |
| 18 .....       | <a href="#">22R140.3</a>     | A Spacer                                       |
| 18 .....       | 22R140.100                   | B Spacer                                       |
| 19 .....       | <a href="#">STA5608</a>      | Hex socket set screw                           |
| 20 .....       | <a href="#">22R30-520</a>    | Castor wheel                                   |
| 21 .....       | <a href="#">STA5642</a>      | Socket head screw                              |
| 22 .....       | <a href="#">STA5676</a>      | A Slotted set screw                            |
| 22a .....      | <a href="#">STA5675</a>      | B Slotted set screw                            |

..... All materials Stainless steel, unless otherwise specified

..... \*\* ..... Adapted by mounting

..... A ..... Full size bowl

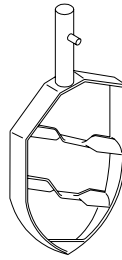
..... B ..... Half size bowl



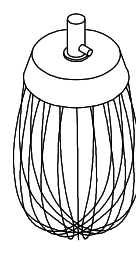
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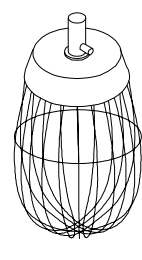
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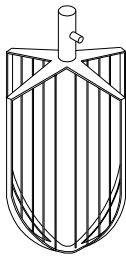
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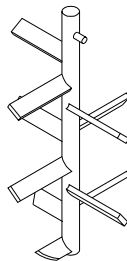
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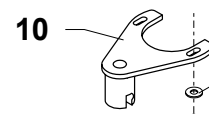
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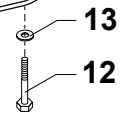
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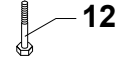
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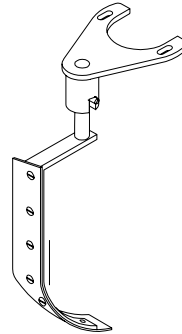
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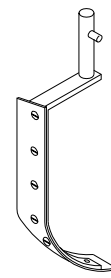
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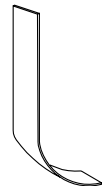
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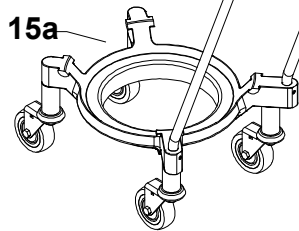
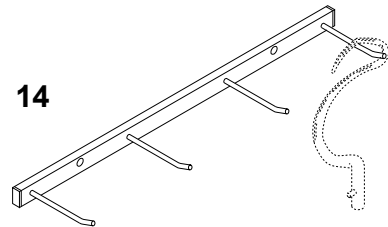


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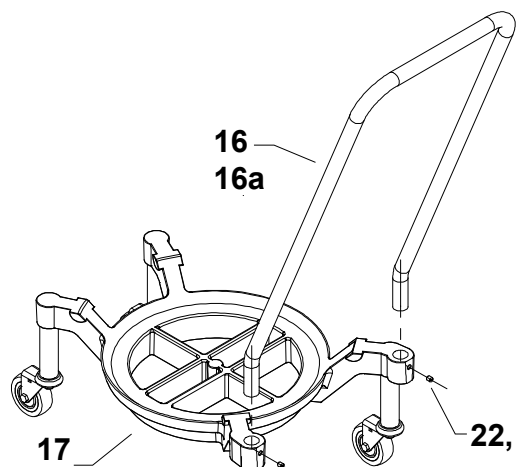
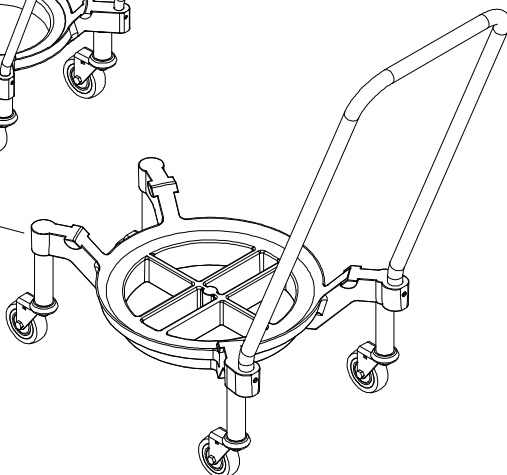
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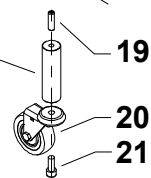


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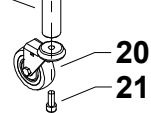
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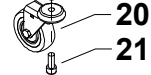
22, 22a

18  
18a

19



20



21



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