

AR40 VL-1S



Spare parts manual

Valid from machine number:
40008527

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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.**

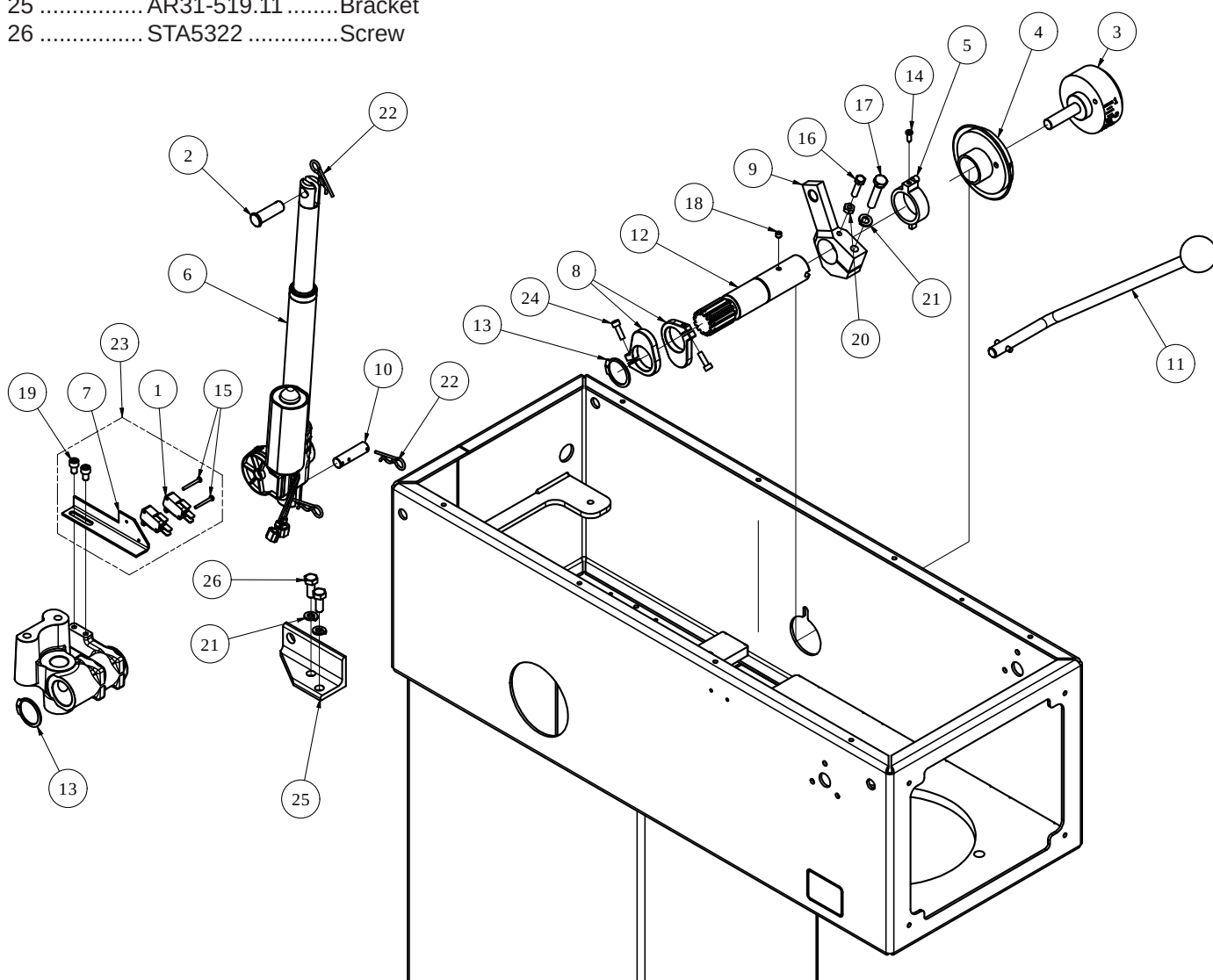
If one of the above pieces of information is missing, please contact our sales and service department before placing the order, as then we can assist you in finding the correct article number (**order no.**) of the spare part in question.

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:

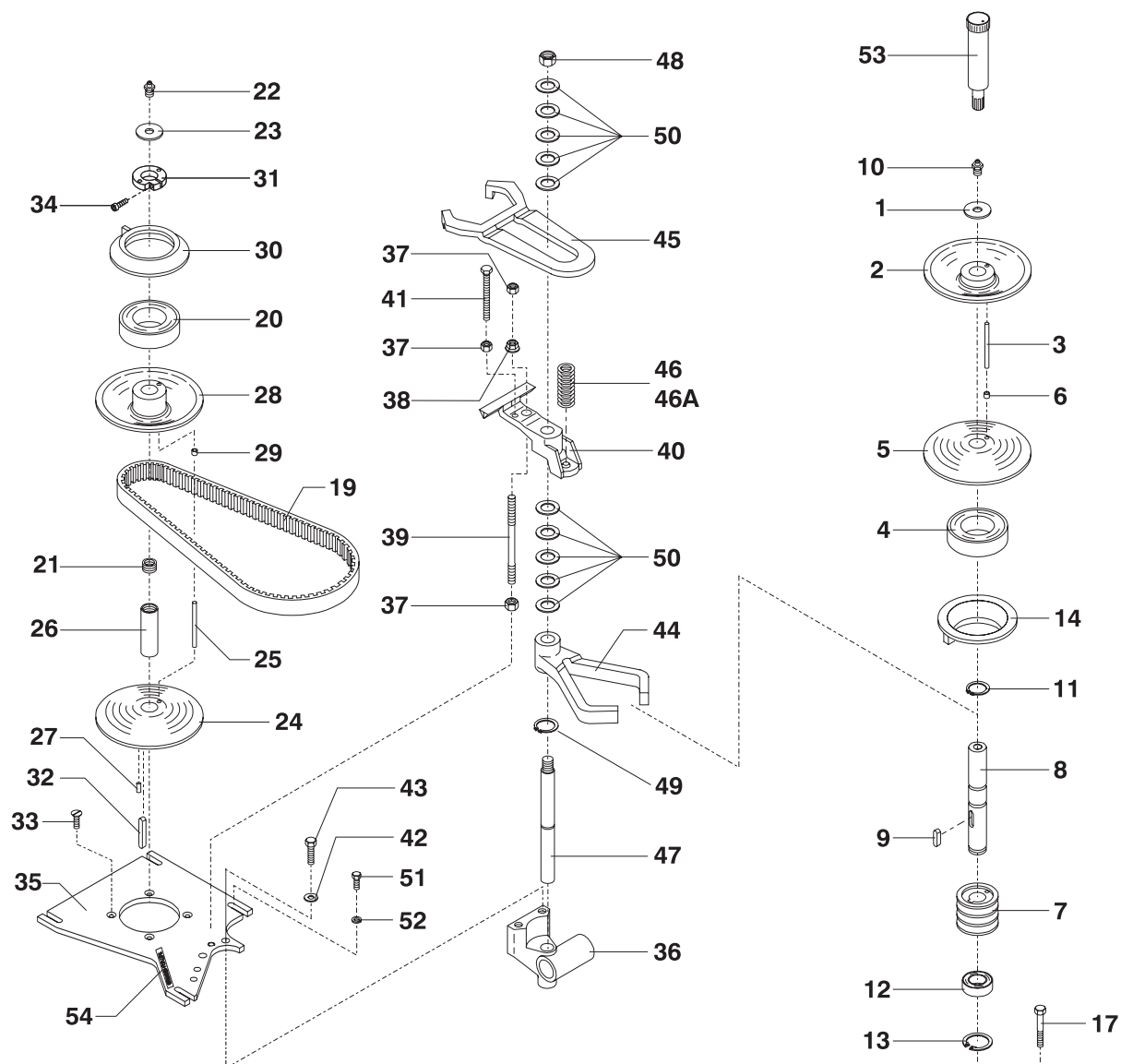
Varimixer A/S

Fig no.	Order no.	Description
1	56SN20-30	Microswitch
2	AE31-86.16	Pin
3	AR30-318.1M	Cap with scale
4	AR30-47.10	Disc with arrow
5	AR30-47.11	Clamp, speed indicator
6	AR30-517	Actuator
7	AR31-520.11	Bracket, limit switch
8	AR31-520.3	Limit switch, cam washer
9	AR60-543E	Servo arm
10	AR31-519.4	Pin
11	R20-47.1M	Speed selector lever
12	R30E-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	Cotter pin
23	AR31-520.11M	Limit switch, assembly
24	STA5712	Screw
25	AR31-519.11	Bracket
26	STA5322	Screw

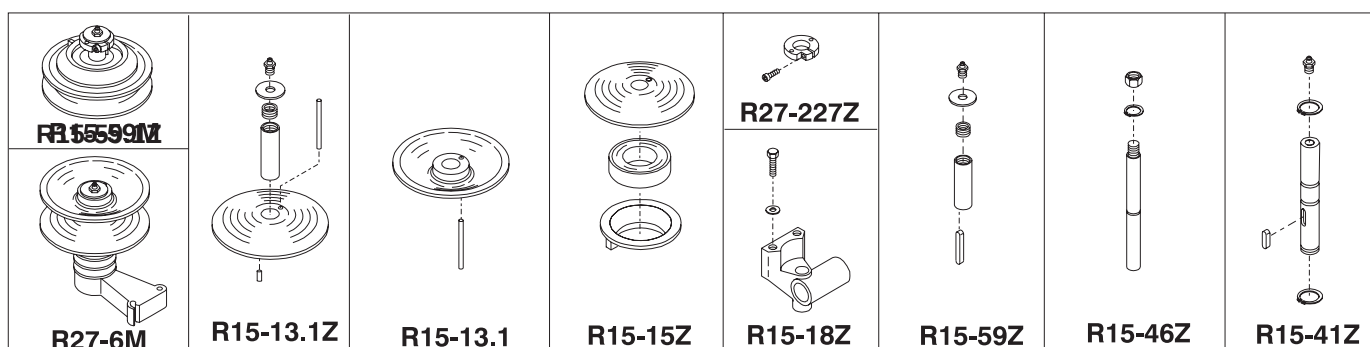


TRANSMISSION

Fig no.	Order no.	Description
1	STA6018	Washer
2	R15-13.1	Pulley assembly
3	R30-285	Pin
4	R15-103	Ball bearing
5	R15-15Z	Pulley movable, assembly
6	STA2505	Bearing bushing
7	R27-128	Pulley
8	R15-41Z	Bearing shaft assembly
9	STA2024	Key
10	STA3220	Grease nipple
11	STA3410	Circlip
12	6205 2RS	Ball bearing
13	STA3514	Circlip
14	R15-17.1	Switching ring
15	R15-143	Distance tube
16	R30-6	Bearing arm
17	STA5348	Screw
18	STA6033	Washer
19	R27-91	V-belt
20	R15-103	Ball bearing
21	R15-156	Threaded nipple
22	STA3220	Grease nipple
23	STA6018	Washer
24	R15-13.1Z	Pulley assembly
25	R30-285	Pin
26	R15-59.1Z	Motor pulley, assembly
27	STA5602	Screw
28	R15-15Z	Pulley movable, assembly
29	STA2505	Bearing bushing
30	R15-17.1	Switching ring
31	R27-227Z	Clamping ring
32	STA2011	Key
33	STA5018	Screw
34	STA5612	Screw
35	R60-61.1E	Base for motor
36	R15-18Z	Bearing bracket, assembly
37	STA5810	Nut
38	STA5895	Hex flange nut
39	AR31-305	Stud bolt
40	R20-26.1	Bracket for belt tightener
41	STA5446	Screw
42	STA6010	Washer
43	STA5345	Screw
44	R27-16M4	Fork for belt tightener, lower
45	R20-19	Fork for belt tightener
46	R20-275	Spring
46A	*2) .. W40P-275	
47	R15-46Z	Toothed rack assembly
48	STA5815	Nut
49	STA3407	Circlip
50	STA6040	Washer
51	STA5433	Screw
52	STA6034	Washer
53	R15-142	Grease gun
54	R20-249	Label, "Greased for life"
..... *2) .. Pizza version		

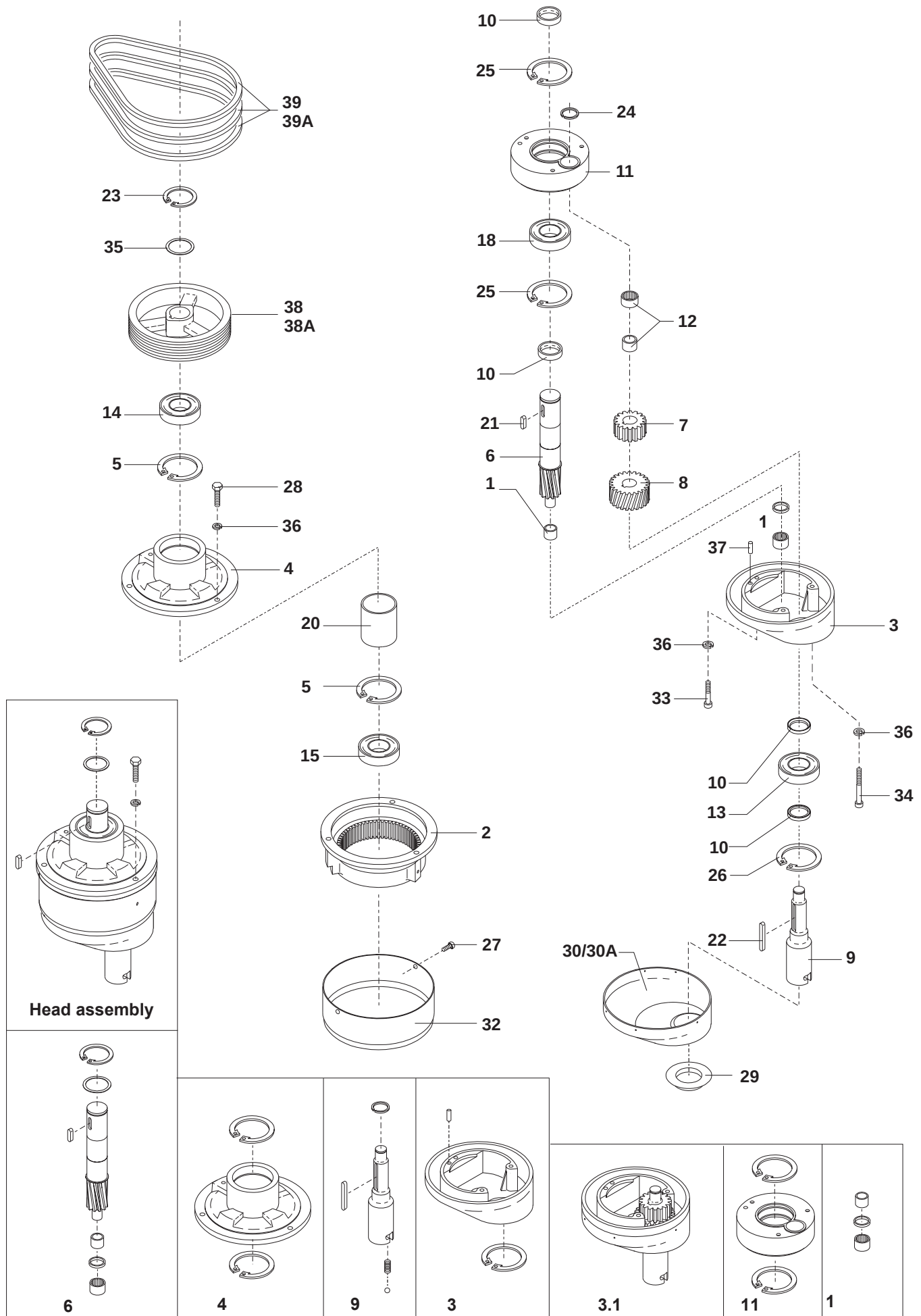


- R15-59.1Z Motor pulley, assembly
 R27-6M Pulley bearing arm, assembly
 R15-13.1Z Pulley assembly, motor
 R15-13.1 Pulley disc
 R15-15Z Pulley movable, assembly
 R27-227Z Clamping ring
 R15-18Z Bearing bracket, assembly
 R15-59Z Motor pulley shaft, assembly
 R15-46Z Toothed rack, assembly
 R15-41Z Bearing shaft



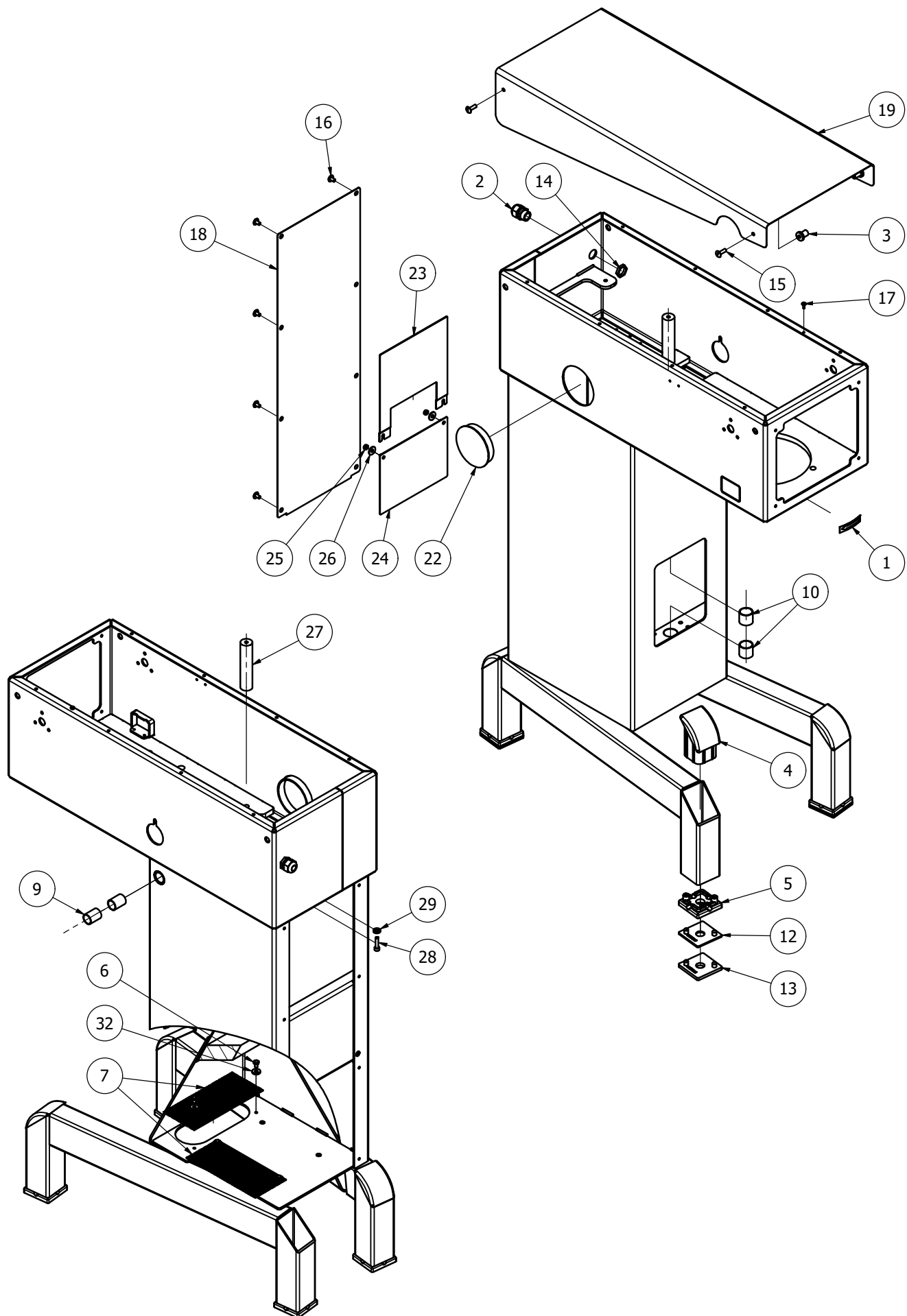
PLANETARY HEAD

Fig no.	Order no.	Description
.....	*1) .. R40-2.2M	Planetary head, assembly
.....	*3) .. R40-2.4MR	
.....	*2) .. R40-2.15M	
.....	*4) .. R40-2.17MR	
.....		
1	R40-101Z	Needle bearing compl.
2	R40-1	Gear wheel rim
3	R40-2Z	Eccentric head, kit
3.1	*1) .. R40-2.2Z	Eccentric head assembly
.....	*2) .. R40-2.15Z	
4	R40-3Z	Main bearing, assembly
5 + 26	STA3526	Circlip
6	R40-30Z	Main shaft, assembly
7	R40-31	Rim pinion
8	R40-32	Rim pinion, lower
9	*1) .. R40-33Z	Bayonet shaft, kit
.....	*2) .. AR40-33.5Z	Shaft, bayonet double, kit
10	R40-34	Distance piece
11	R40-36Z	Eccentric disc mounted
12	R40-96	Needle bearing
13	R40-97	Ball bearing
14	R40-98	Ball bearing
15	R40-99	Ball bearing
18	R40-100	Ball bearing
20	R40-141	Distance tube
21	STA2030	Key
22	STA2040	Key
23	STA3425	Circlip
24	STA3474	Circlip
25	STA3520	Circlip
.....		
27	STA5256	Screw
28	STA5346	Screw
29	W40-209	Seal ring
30	W40-272	Headcap
32	*1) .. AR40-162H	Plastic cap, white
.....	*3) .. AR40-162G	Plastic cap, grey
33	STA5645	Screw
34	AR40-41	Screw
35	STA6043	Washer
36	STA6057	Lockwasher
37	STA6460	Grooved pin
38	*5) .. R40-129	Belt pulley
.....	*6) .. R40-129A	
39	*5) .. R40-90	V-belt
.....	*6) .. R40-90.1	
.....		
.....	*1) .. Standard version	
.....	*2) .. Pizza, standard frame version	
.....	*3) .. Stainless steel frame version	
.....	*4) .. Pizza, Stainless steel frame version	
.....	*5) .. 50 Hz	
.....	*6) .. 60 Hz	



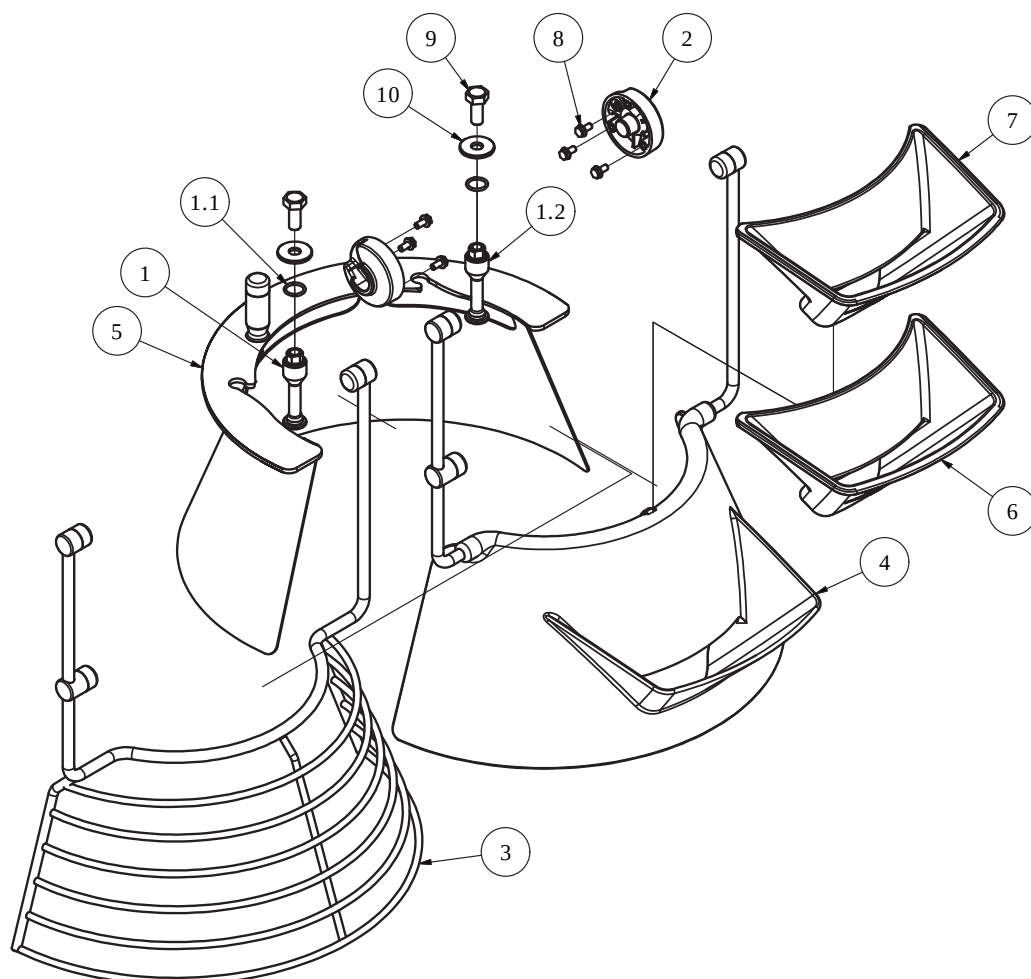
MACHINE COLUMN

Fig no.	Order no.	Description
1	R15-245	Arrow sign
2	STA3002	Cable gland
3	STA6580	Threaded bushing
4	AR30-212	Blanking plug
5	AR30-213	Levelling feet
6	STA5045	Screw
7	AR31-22.180	Grate
9	STA2515	Bearing bushing
10	STA2520	Bearing bushing
12	AR30-214.3	Adjustment plate, 3mm
13	AR30-214.6	Adjustment plate, 6mm
14	STA3014	Cable gland nut
15	STA5017	Screw
16	STA5080	Screw
17	STA5232	Self tapping Screw
18	AR31-22.17R	Cover plate
19	AR31P-21	Top cover
22	STA6510	Plug button
23	AR31-270	Cover plate, upper
24	AR31-271M	Cover plate, lower
25	STA5834	Lock Nut
26	STA6027	Washer
27	AR31-148E	Stay
28	STA5625	Screw
29	STA6056	Lock washer
32	STA6165	Washer



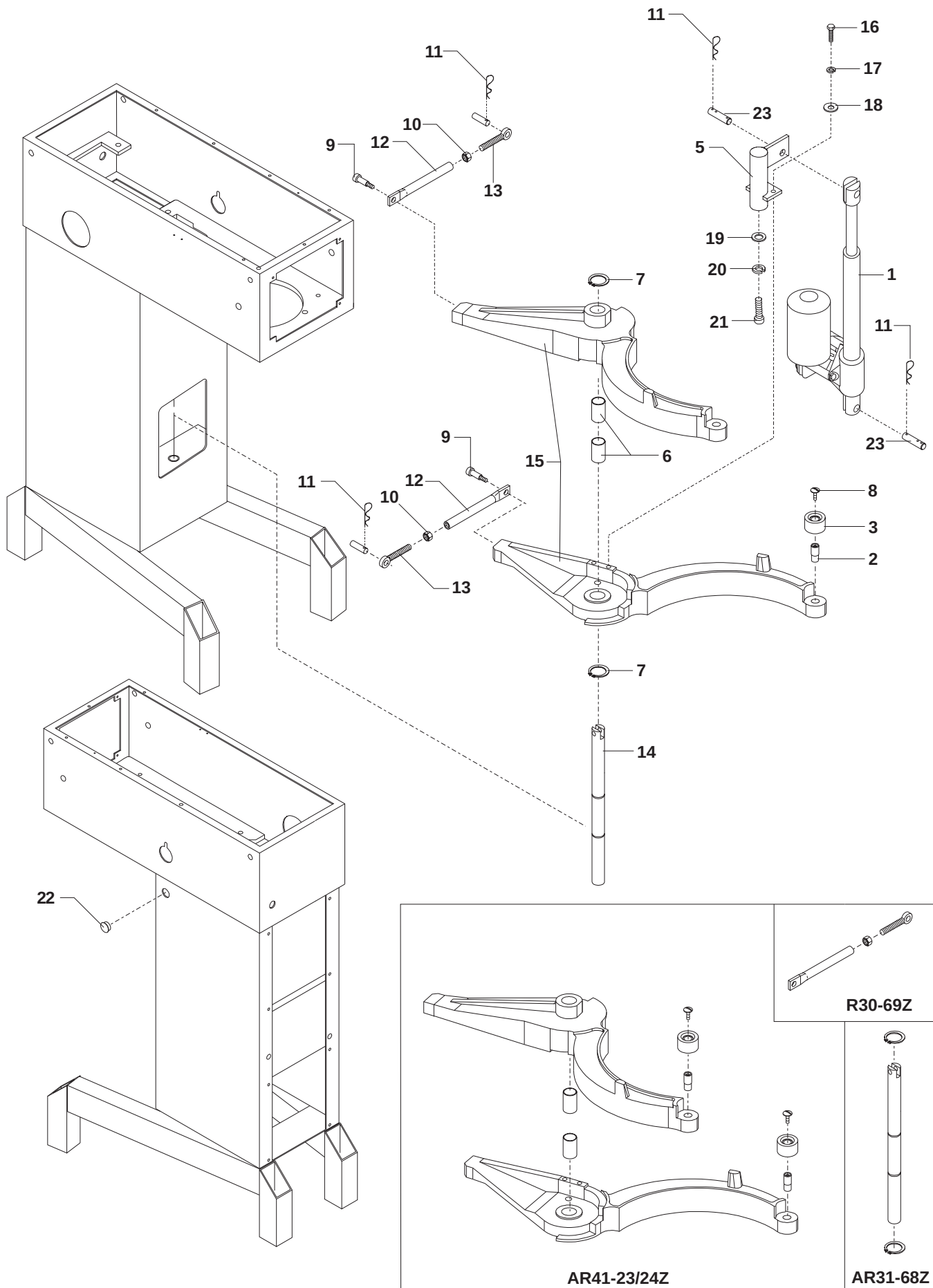
SAFETY GUARD

Fig no.	Order no.	Description
1	56AR31-102.1	Mounting shaft
1.1	STA3143	O-ring
2	56AR31-107M	Shield hinge
3	56AR41-21.1M	Safety guard wire
4	56AR41-21M	Safety guard removable
5	56AR41-22	Safety guard fixed
6	56AR41-280	Filling tray Grey
7	56WR41-280	Filling tray White
8	STA5047	Hex flange bolt
9	STA5344	Hex cap screw
10	STA6033	Washer



LIFTING SYSTEM

Fig no.	Order no.	Description
1	AR30-86.2	Lifting motor
2	AR31-127	Roller shaft
3	AR31-128	Roll for bowl clamping
4	AR31-519.4	Pin
5	AR31-86.15	Fitting for lifting motor
6	STA2522	Bearing bushing
7	STA3467	Circlip
8	STA5088	Screw
9	STA5690	Shoulder bolt
10	STA5827	Nut
11	STA6205	Cotter pin
12+13+10	R30-69Z	Tensile rod
14	AR31-68Z	Bowl arm, guide rod
15	AR41-23/24Z	Bowl arm set, color black**
**	For other colors, please contact Varimixer A/S	
16	STA5312	Screw
17	STA6053	Spring lock washer
18	STA6027	Washer
19	STA6026	Washer
20	STA6057	Spring lock washer
21	STA5728	Screw
22	STA6517	Blanking plug



ATTACHMENT DRIVE

Fig no.	Order no.	Description
1	R15-5	Bearing hub
2	R20-9	Worm wheel
3	R15-10	Gear case
4	R15-11	Gear case cover
5	R20-49	Worm shaft
6	R20-52Z	Gear shaft assembly
7	R15-50Z	Attachment drive shaft assembly
8	STA2032	Key
9	R20-104	Ball bearing
10	R20-107	Oil seal
11	R20-300	Gasket
12	R20-300Z	Gasket kit
13	R20-301	Gasket
14	STA2007	Key
15	STA2011	Key
16	STA3410	Circlip
17	STA5018	Screw
18	6005 2RS	Ball bearing
19	STA5433	Screw
20	STA5908	Seal washer
21	STA6020	Washer
22	STA6054	Washer
23 + 29	STA6056	Lock washer
24	R15-211	Rubber ring
25	R15-214	End cover
26	R15-8M0	Engagement hub, white
27	STA5322	Screw
28	STA5561	Finger screw
30	STA6316	Pin

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

31 ..Drive unit, cable included

.....Motor R40-85.1, 1,1 kW

.....07040-1130 ...

.....07040-1130R. stainless steel frame version

.....Motor W60-85.52, 2,2 kW

.....07030-2202

.....07030-2202R stainless steel frame version

.....Motor R60-85.1, 1,9 kW

.....07040-1901

.....07040-1901R stainless steel frame version

.....07040-1930 ... Pizza version

.....07040-1930R Pizza and stainless steel version

32 ..Drive unit with attachment Drive, cable included

.....Motor R40-85.1

.....07030-1140 ... 3F 1,1kW

.....07030-1140R. 3F 1,1kW, stainless steel frame version

.....Motor W60-85.52, 2,2 kW

.....07030-2212

.....07030-2212R stainless steel frame version

.....Motor R60-85.1, 1,9 kW

.....07040-1921

.....07040-1921R stainless steel version

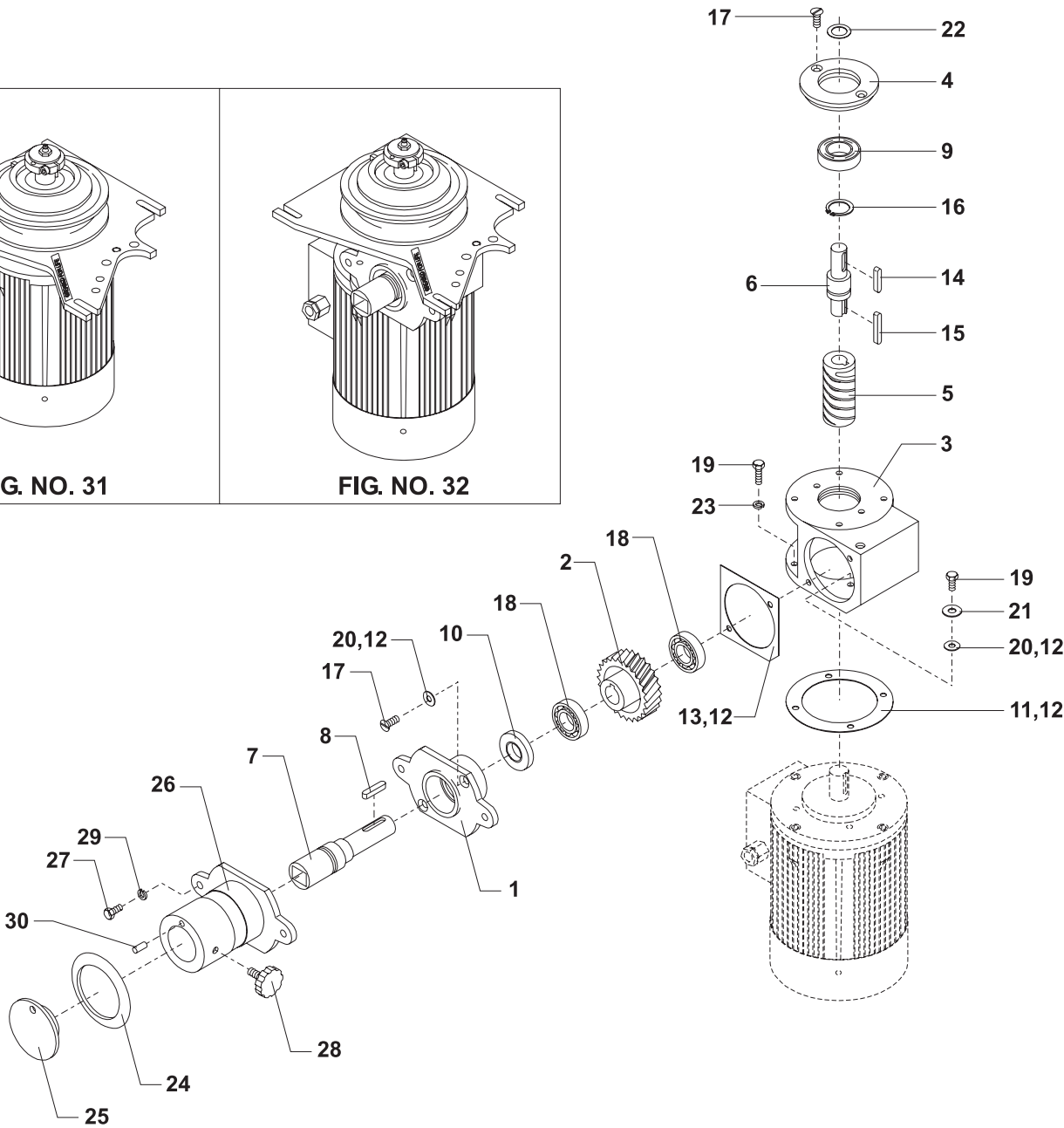
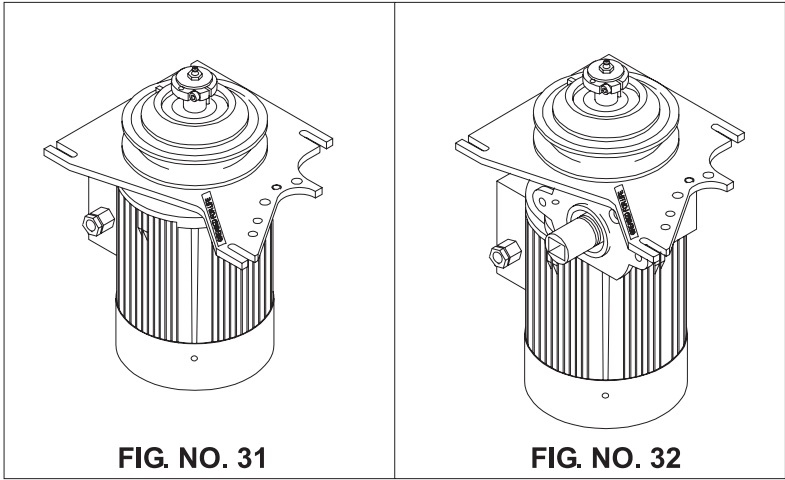
.....07040-1940 ... Pizza version

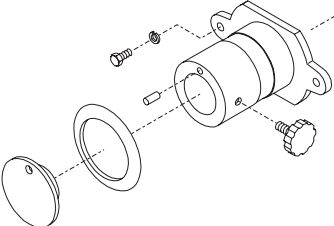
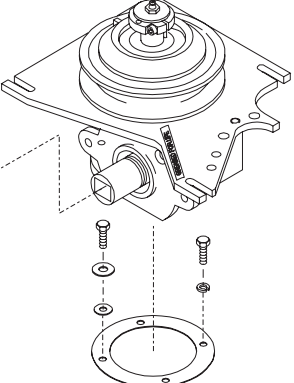
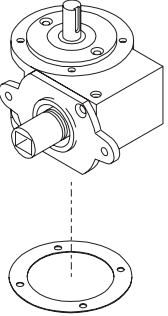
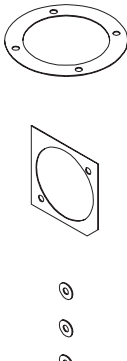
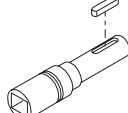
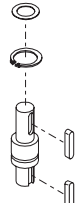
.....07040-1940R Pizza and stainless steel frame version

.....Motor R60-85.3, 1,9 kW, 3x200/50-3x208/60

.....07040-1942

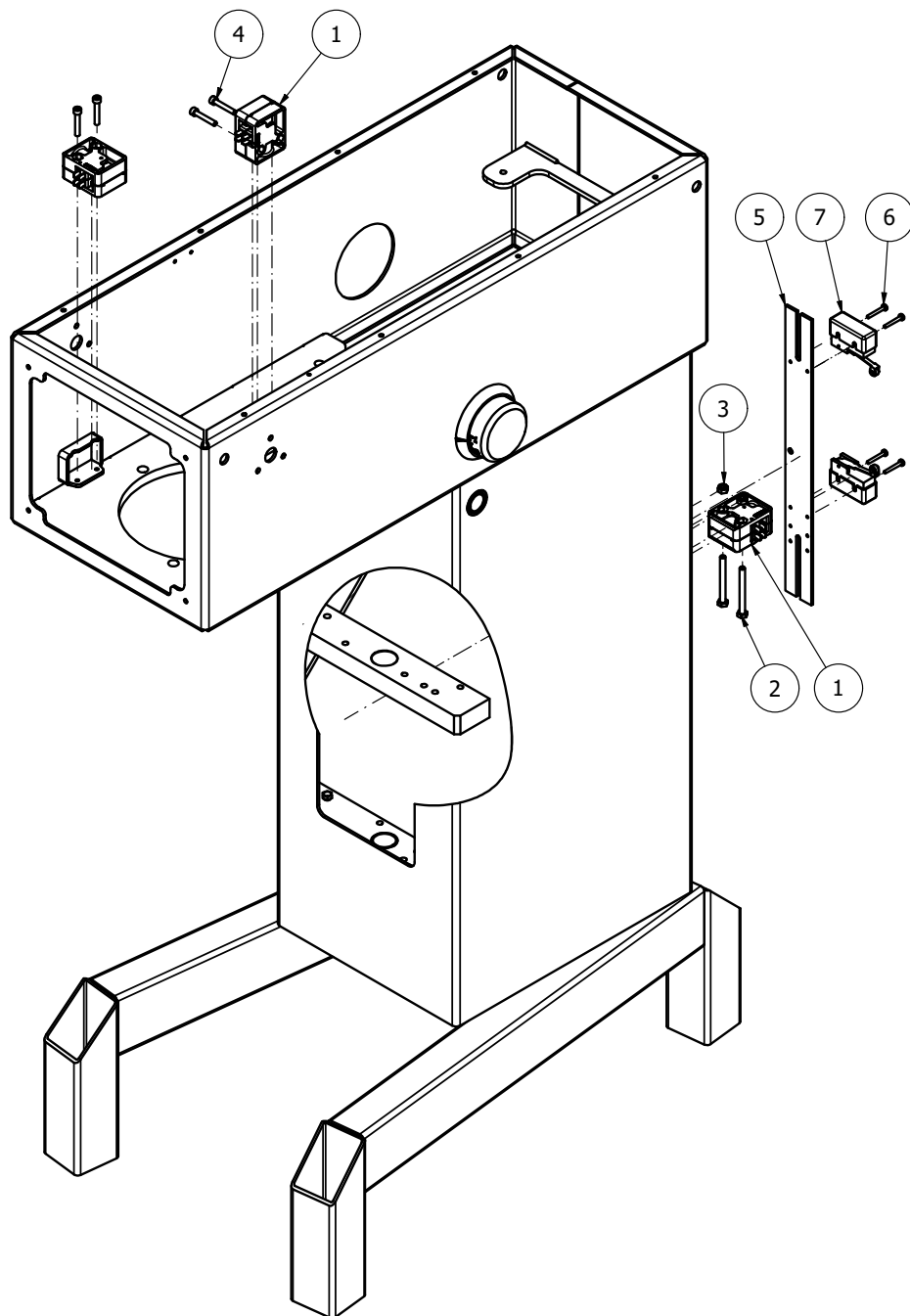
.....07040-1942R stainless steel frame version



 R15-8Z	 R30-10.5Z	 R30-10.5M	 R20-300Z	 R15-50Z
AR30-10Z				 R20-52Z

MICROSWITCHES

Fig no.	Order no.	Description
1	56CR10-111M	Safety Switch
2	STA5320	Hex cap screw
3	STA5837	Lock Nut
4	STA5721	Hex cap screw
5	AR31-53.....	Bracket for switch
6	STA5253	Screw
7	AR61-522.....	Microswitch



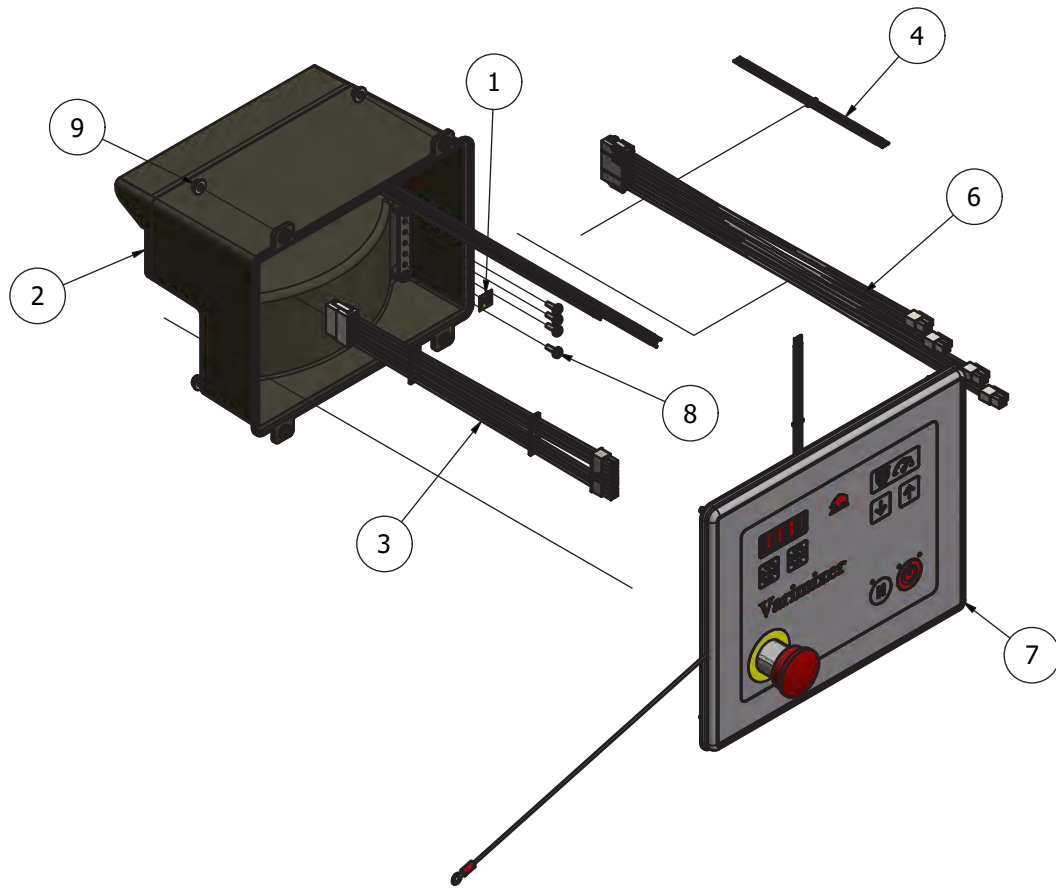
ELECTRIC COMPONENTS

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	AR31-194.82M	Supply cable
5	AR31-194.88M	Supply cable
6	AR31-194.91M	Signal cable
7	*1) .. AR31-530.16M	Front panel assembly
	*2) .. AR31-530.18M	
8	STA5232	Self tapping Screw
9	STA5897	Hex flange nut

..... *1) .. Panel power supply > 200V

..... *2) .. Panel power supply < 200V

Frequency [Hz]	Voltage [V]	Motor [Order no.]	Power [kW]	Current [A]	Connection	Contactor, [fig.22]	Thermal Over- load Relay [fig.23]
50	3x230	R40-85.1	1,1	5	Δ	AR31-88.004	AR31-88.012
	3x380-415			2,9	Y	AR31-88.005	AR31-88.012
60	3x480			2,6			AR31-88.011
	1x208	W60-85.61	2,2	10	Y	R100-88.8+ R20-88.44	R20-88.24
	3x208	R60-85.3		7,8	Δ	R100-88.8	R20-88.12
50	3x230	R60-85.1	1,85	8,4	Δ	R20-88.5+ R20-88.44	R20-88.23
	0+3x380-415			4,85	Y	AR31-88.005	AR31-88.012
60	3x480			4,4			

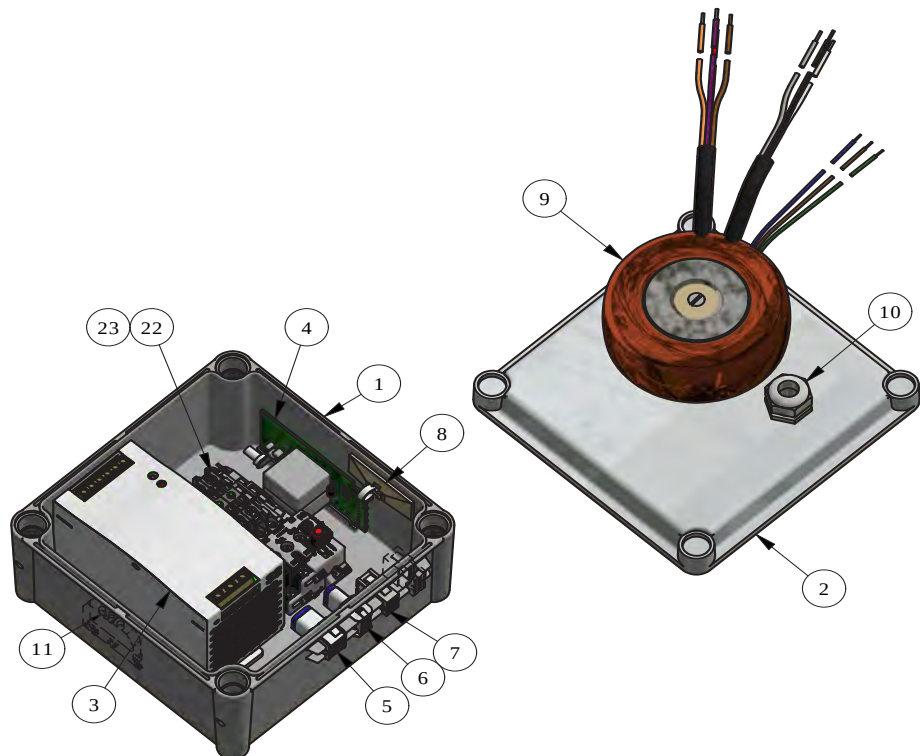
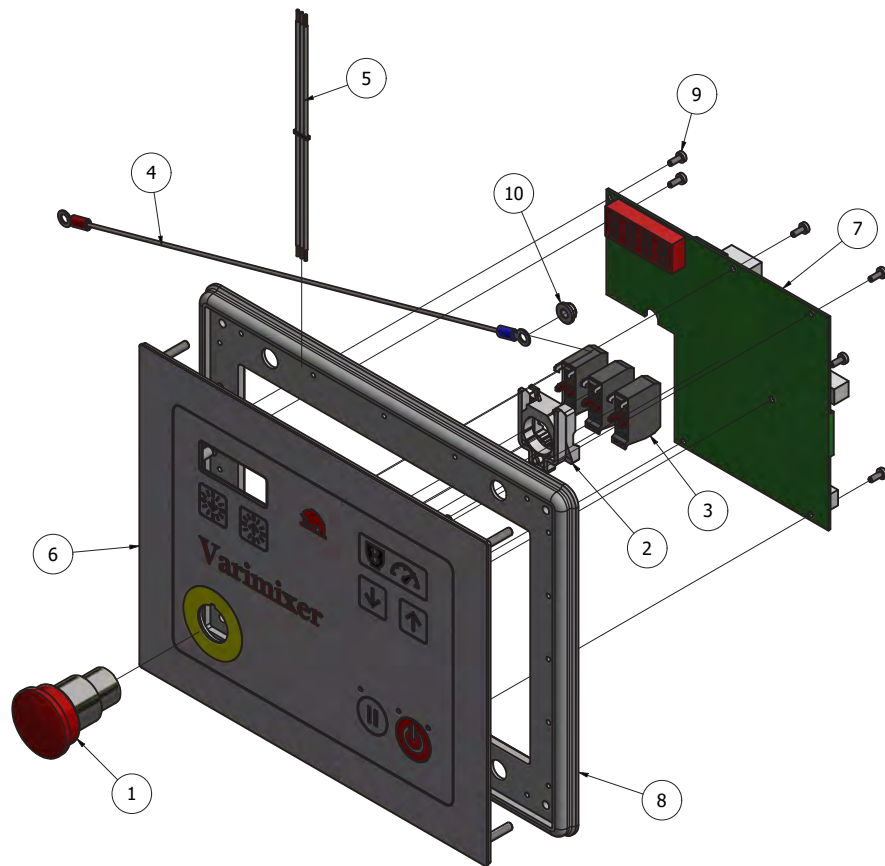


FRONT PANEL ASSEMBLY

Fig no.	Order no.	Description
1	AR31-174.35.....	Switch emergency stop
2	AR31-174.36.....	Switch mounting Collar
3	AR31-174.37.....	Switch contact block
4	AR31-194.41M.....	Grounding cable
5	AR31-194.82M.....	Supply cable
6	AR31-530.6.....	Front Panel
7	*3) .. AR31-532.3.....	Control board
.....	*4) .. AR31-532.5.....	
8	AR31-562.....	Gasket
9	STA5762	Pan head screw
10	STA5897	Hex flange nut
.....		
.....	*3) ..	Panel power supply > 200V
.....	*4) ..	Panel power supply < 200V

Enclosure box assembly

Fig no.	Order no.	Description
1	AR31-418.9M.....	Enclosure
2	AR31-418.6.....	Enclosure cover
3	AR31-414.1.....	Power Supply
4	AR30-425.1.....	Electronic limit switch
5	AR31-194.58M.....	Wire harness
6	AR31-194.64M.....	Wire harness
7	AR31-194.86M.....	Wire harness
8	STA6161	Cable tie mount
9	AR30E-430	Isolating transformer
10	STA3002	Cable gland
11.....	AR30-457	Screw terminal
22	R20-88.5	Contactor
23	*3) .. R20-88.11	Thermal Overload Relay
.....		
.....	*3) ..	Panel power supply > 200V



BOWLS AND MIXING TOOLS

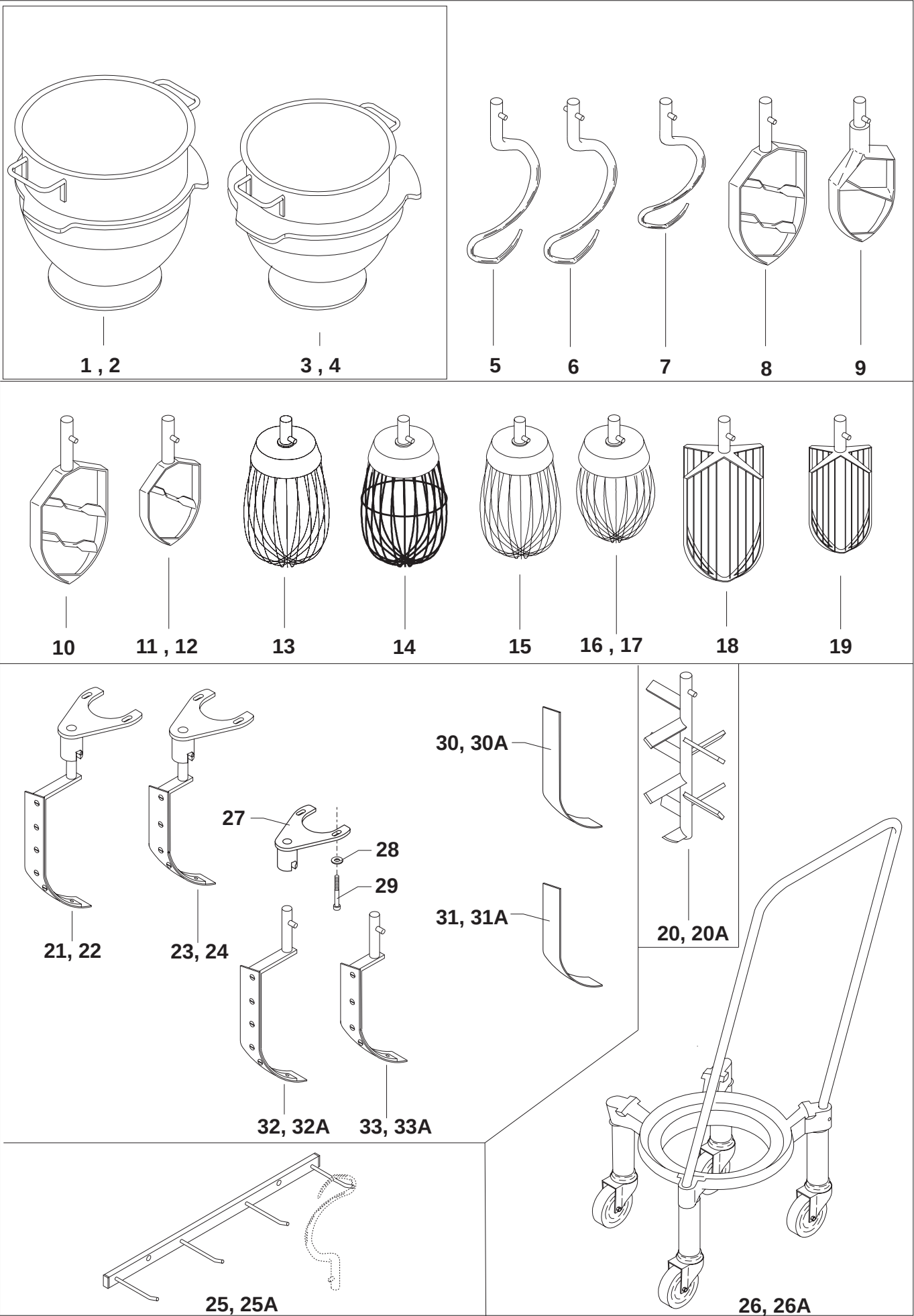
Fig no.	Order no.	Description
1	R40-75M	A Bowl
2	R40-75.1M	A Bowl, acid proof stainless steel
3	R40-75AM	B Bowl
4	R40-75A1M	B Bowl, acid proof stainless steel
5	R40-78M	A Hook
6	W40-78M	A Hook, double pin, pizza
7	R40-78AM	B Hook
8	R40-27.2M	A Flat beater
9	R40-27AM	B Flat beater
10	R40-27.1M	A Flat beater, acid proof stainless steel
11	R40-27A2M	B Flat beater
12	R40-27A1M	B Flat beater, acid proof stainless steel
13	R40-28M	A Stirring whip
14	R40-28MS	A Whip, reinforced
15	R40-28MT	A Whip with thinner wires
16	R40-28AM	B Stirring whip
17		
18	14R40	A Wing whip
19	14R40A	B Wing whip
20	39R40	A Powder mixer
21		
22 **	42AR41	A Scraper with Nylon blade and holder
23 **	42AR41T	A Scraper with Teflon blade and holder
24 **	42AR41A	B Scraper with Nylon blade and holder
24A ... **	42AR41AT	B Scraper with Teflon blade and holder
25	48R20Z	B Rack for mixing tools
25A	48R60Z	A Rack for mixing tools
26	22R40	A Bowl truck
26A	22R40A	B Bowl truck
27	42AR41-101M	Scraper holder
28	STA6029	Washer
29	STA5652	Screw
30	42R40-204	A Nylon blade for scraper
30A	42R40-204T	A Teflon blade for scraper
31	42R40A-204	B Nylon blade for scraper
31A	42R40A-204T	B Teflon blade for scraper
32	42AR41-202	A Scraper with Nylon blade
32A	42AR41-202T	A Scraper with Teflon blade
33	42AR41A-202	B Scraper with Nylon blade
33A	42AR41A-202T	B Scraper with Teflon blade

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

..... ** Adapted by mounting

..... A Full size bowl

..... B Half size bowl



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