AR60
VL-1

Spare parts manual

Valid from machine number:
60007092

Varimixer

EN

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2022 11 02

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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.**

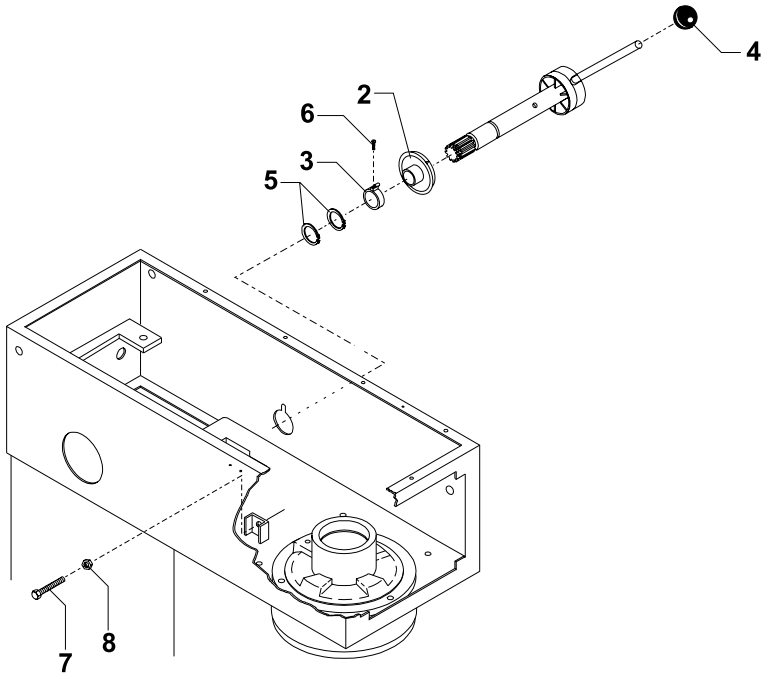
If one of the above pieces of information is missing, please contact our sales and service department before placing the order, as then we can assist you in finding the correct article number **(order no.)** of the spare part in question.

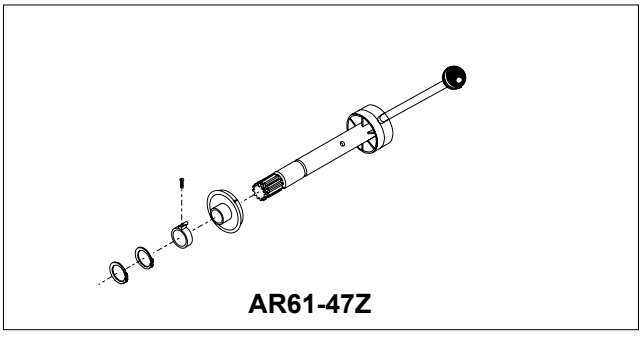
A few spare parts are not sold alone, in such cases reference is made at the pos.number to the assembly number to be used for ordering. The assembly numbers are shown on the relevant pages.

Returning of spare parts is only allowed when agreed with:

Varimixer A/S

FIG NO.	ORDER NO.	DESCRIPTION
2	AR30-47.10	Disc with arrow
3	AR30-47.11	Clamp
4	STA3306	Knob
5	STA3414	Circlip
6	STA5247	Screw
7	STA5439	Screw
8	STA5810	Nut
	AR61-47Z	Speed selector assembly



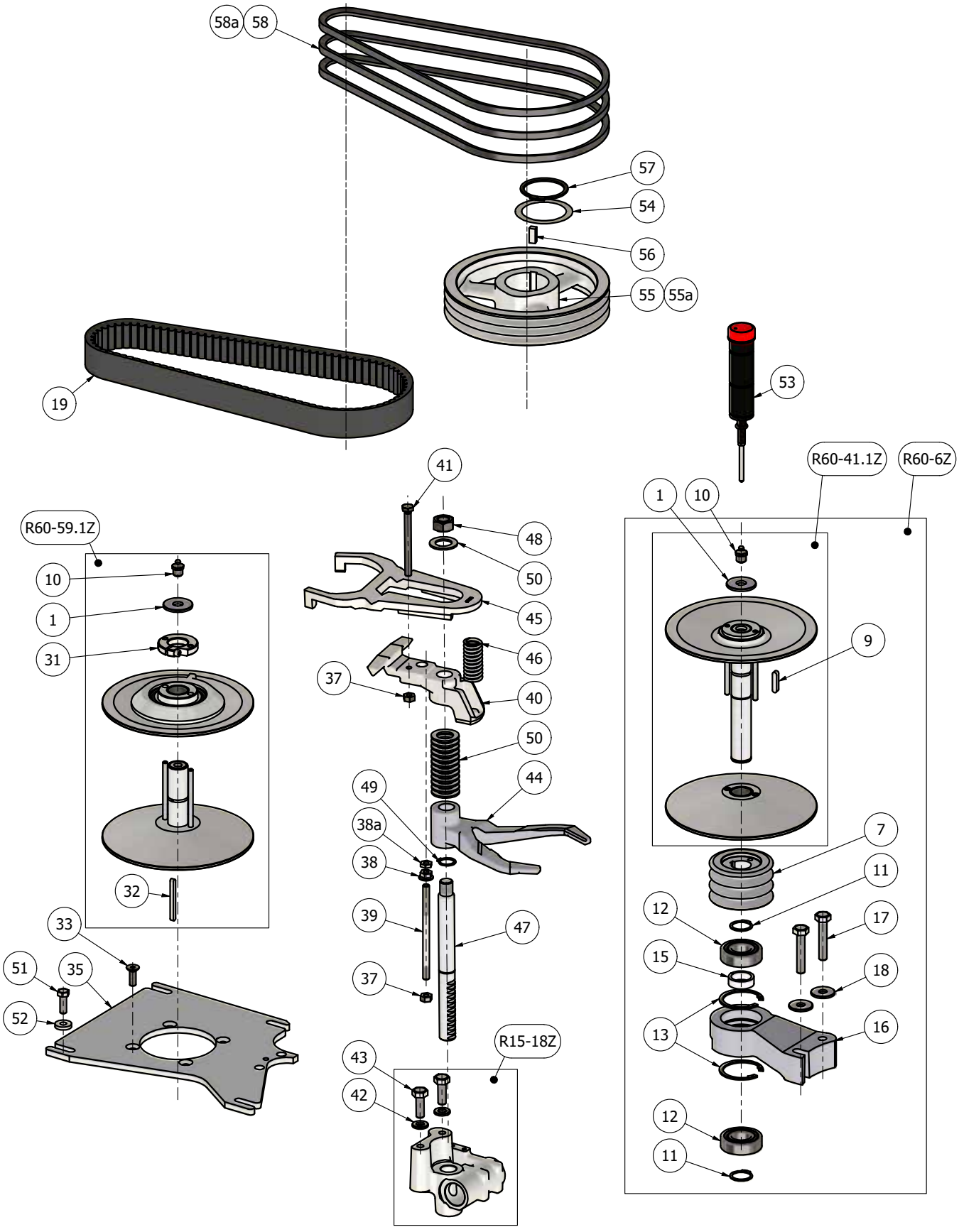


AR61-47Z

TRANSMISSION

FIG NO.	ORDER NO.	DESCRIPTION
1	STA6018	Washer
7	R60-128	V-belt pulley
9	STA2024	Feather Key
10	STA3220	Grease nipple
11	STA3410	Circlip
12	6205 2RS	Ball bearing
13	STA3514	Circlip
15	R15-143	Distance bushing
16	R30-6	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
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 *1)	R20-275	Compression spring
46a *2)	W40P-275	
47	R15-46	Toothed rack shaft
48	STA5815	Hex Nut
49	STA3407	Circlip
50	STA6040	Washer
51	STA5433	Hex cap screw
52	STA6034	Washer
53	R15-142	Grease gun
54	STA6043	Shim washer
55 *3)	R60-129	V-belt pulley
55a *4)	R60-129A	
56	STA2030	Feather Key
57	STA3425	Circlip
58 *3)	R60-90	V-belt
58a *4)	R60-90.1	

*1) .. Standard version
*2) .. Pizza version
*3) .. 50 Hz power supply
*4) .. 60 Hz power supply

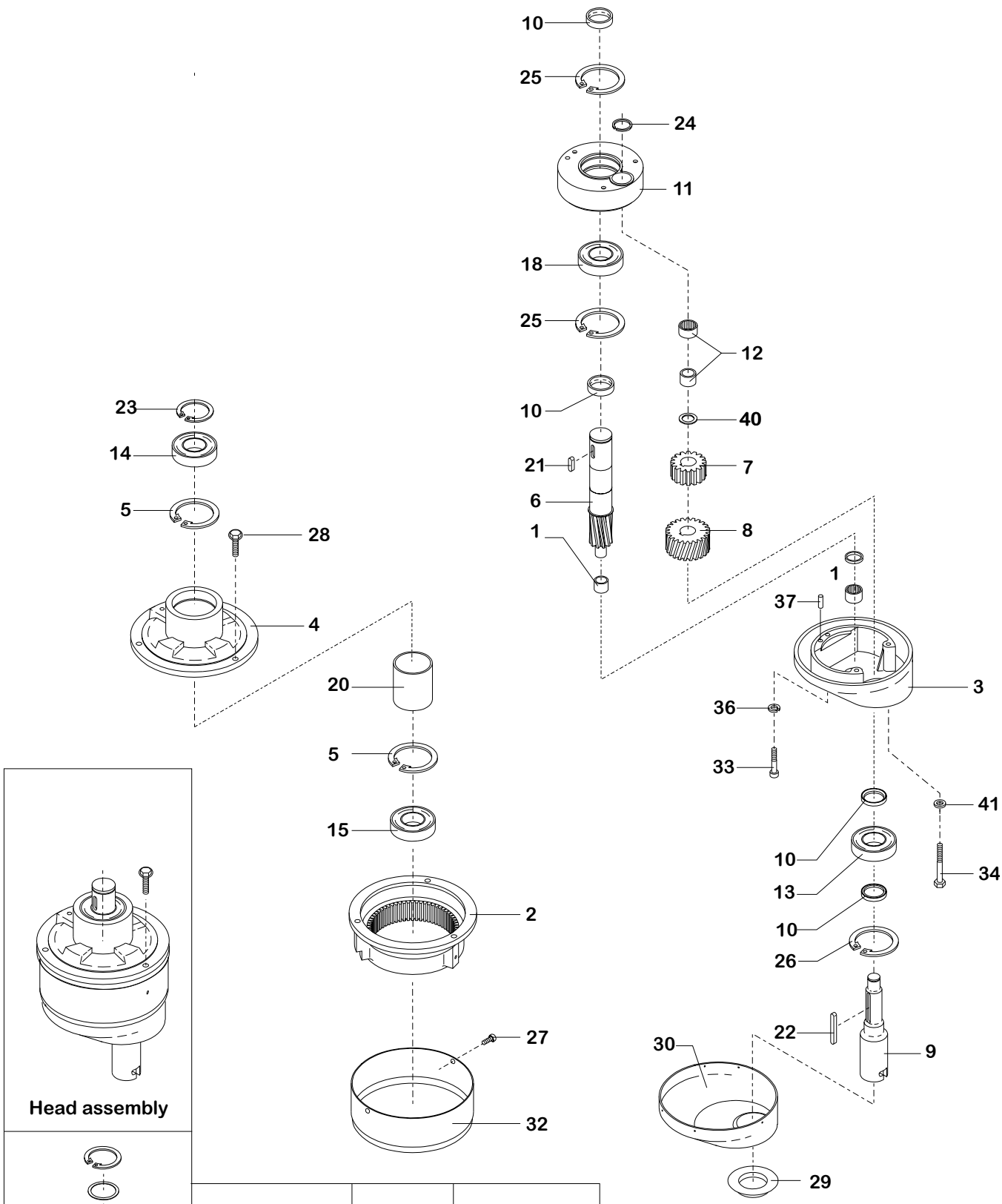


R15-59.1Z ..... Motor pulley, assembly
R60-6Z ..... Pulley bearing arm, assembly
R60-41.1Z ..... Pulley assembly
R15-18Z ..... Bearing bracket, assembly

PLANETARY HEAD

FIG NO.	ORDER NO.		DESCRIPTION
	*1)	R60-2.9M	Planetary head, assembly
	*3)	R60-2.4MR	
	*2)	R60-2.12M	
	*4)	R60-2.14MR	
1		R40-101Z	Needle bearing, assembly
2		R60-1	Gear wheel rim
3		R60-2Z	Eccentric head, kit
3.1	*1)	R60-2.1Z	Eccentric head assembly
	*2)	R60-2.4Z	
4		R60-3Z	Main bearing, kit
5		STA3528	Circlip
6		R60-30Z	Main shaft, assembly
7		AR60-31	Rim pinion
8		R60-32.1	Rim pinion, lower
9	*1)	R60-33.2Z	Bayonet shaft, kit
	*2)	R60-33.5Z	Shaft, bayonet double, kit
10		R60-37	Distance piece
11		R60-36Z	Eccentric disc mounted
12		R60-96	Needle bearing
13		R40-97	Ball bearing
14		R60-98	Ball bearing
15		R60-99	Ball bearing
18		R60-100	Ball bearing
20		R60-141	Distance tube
21		STA2030	Key
22		STA2034	Key
23		STA3427	Circlip
24		STA3474	Circlip
25		STA3523	Circlip
26		STA3526	Circlip
27		STA5263	Screw
28		STA5333	Screw
29		R60-209.1	Seal ring
30		W60-272	Cap, planetary head
32	*1)	AR60-162H	Plastic cap, white
	*3)	AR60-162G	Plastic cap, grey
33		STA5646	Screw
34		STA5652	Screw
36		STA6057	Lock washer
37		STA6460	Grooved pin
40		R60-235	Washer
41		STA6029	Washer

*1) .. Standard version
*2) .. Pizza, standard frame version
*3) .. Stainless steel frame version
*4) .. Pizza, Stainless steel frame version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Head assembly
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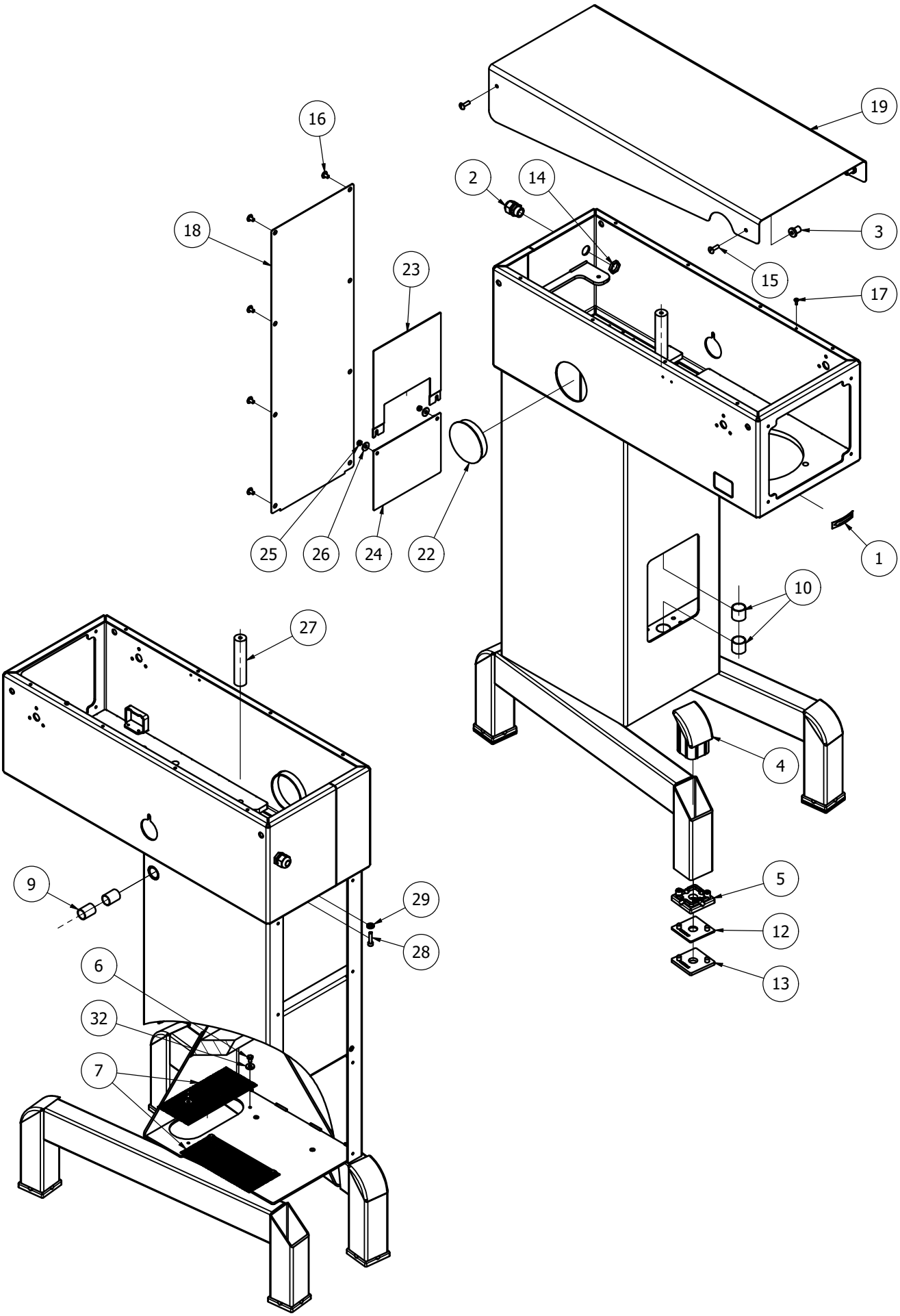
MACHINE COLUMN

FIG NO.	ORDER NO.	DESCRIPTION
1	R15-245	Arrow sign
2	STA3002	Cable gland
3	STA6580	Threaded bushing
4	AR60-212	Blanking plug
5	AR60-213	Levelling feet
6	STA5045	Screw
7	AR31-22.180	Grate
9	STA2515	Bearing bushing
10	STA2520	Bearing bushing
12	AR60-214.3	Adjustment plate, 3mm
13	AR60-214.6	Adjustment plate, 6mm
14	STA3014	Cable gland nut
15	STA5017	Screw
16	STA5080	Screw
17	STA5232	Self tapping Screw
18	AR61-22.17R	Cover plate
19	AR61-21P	Top cover
22	STA6510	Plug button
23	AR61-270	Cover plate, upper
24	AR61-271	Cover plate, lower
25	STA5834	Lock Nut
26	STA6027	Washer
27	AR61-148M4	Stay
28	STA5625	Screw
29	STA6056	Lock washer
32	STA6165	Washer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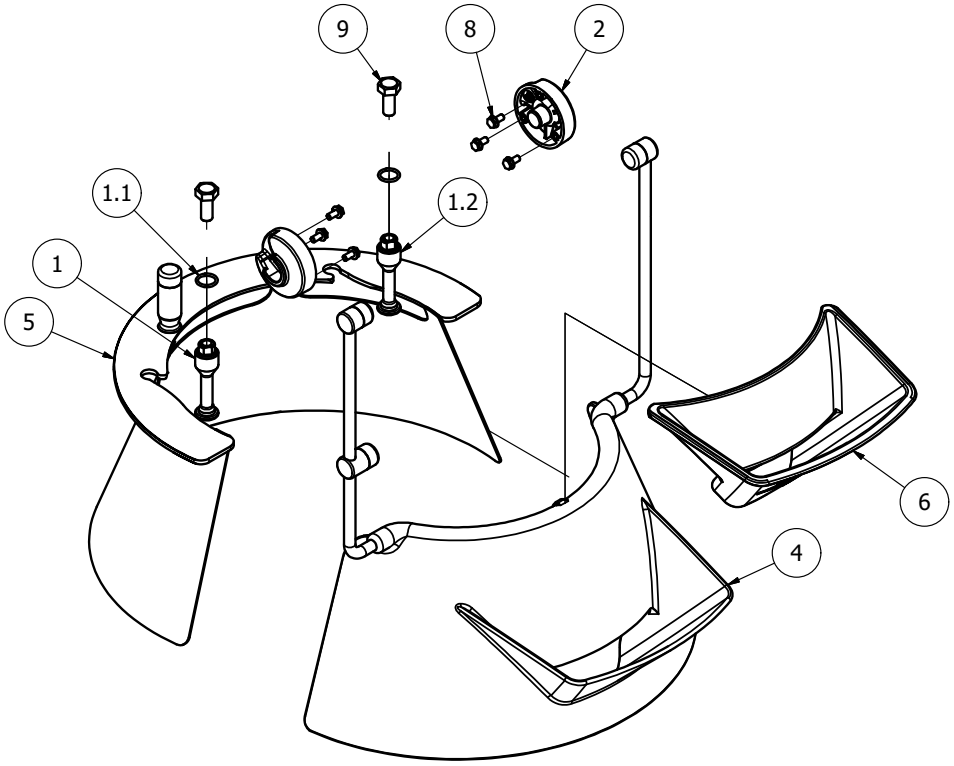
SAFETY GUARD

FIG NO.	ORDER NO.	DESCRIPTION
1	56AR61-102.1	Mounting shaft
1.1	STA3143	O-ring
2	56AR31-107M	Shield hinge
4	56AR61-21M	Safety guard removable
5	56AR61-22	Safety guard fixed
6	56AR61-280	Filling tray Grey
8	STA5047	Hex flange bolt
9	STA5344	Hex cap screw
10	STA6033	Washer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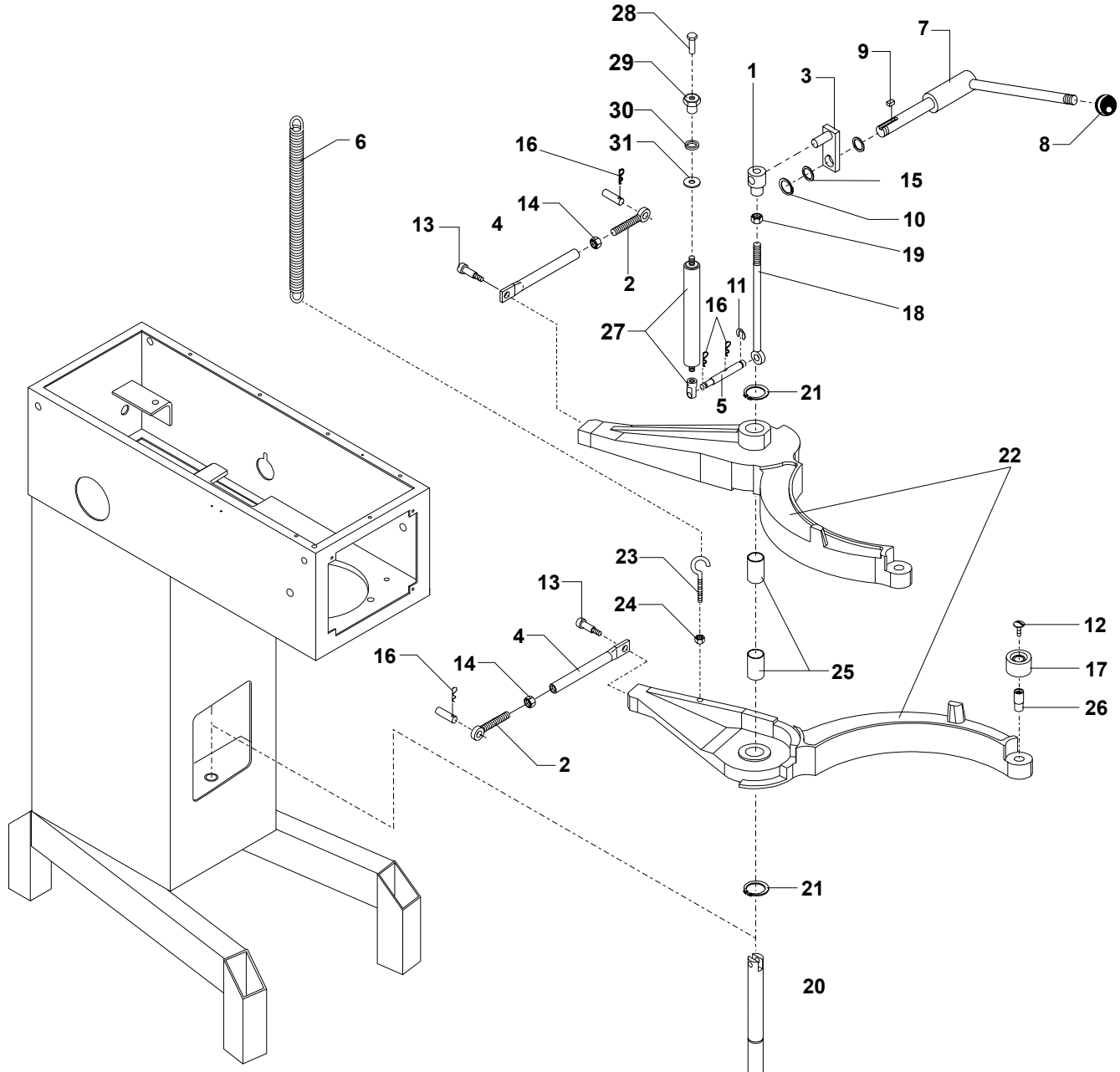
LIFTING SYSTEM

FIG NO.	ORDER NO.	DESCRIPTION
2 + 4 + 14	R60-69Z	Tensile rod
3	R60-63Z	Crank shaft compl.
5	W40-603E	Pin
6	R60-110	Lifting spring
7	R60-62Z	Lifting lever assy.
8	STA3308	Ball knob
9	STA2020	Key
10	STA3407	Circlip
11	STA3580	Circlip
12	STA5088	Screw
13	STA5690	Shoulder bolt
15	STA6044	Washer
16	STA6205	pin
17	AR31-128	Roll for bowl clamping
18	R60-83Z	Lifting bolt
19	STA5827	Nut
20	AR61-68Z	Bowl arm, guide rod
21	STA3467	Circlip
22	AR61-23/24Z	Bowl arm set, colour black**
**		For other colours, please contact Varimixer A/S
23	AR60-84	Eye bolt
24	STA5819	Nut
25	STA2525	Bearing bushing
26	AR31-127	Roller shaft
27	W60-600M	Oil damper, assembly
28	STA5322	Screw
29	W40-605E	Nut for damper
30	STA3126	O-ring
31	STA6028	Washer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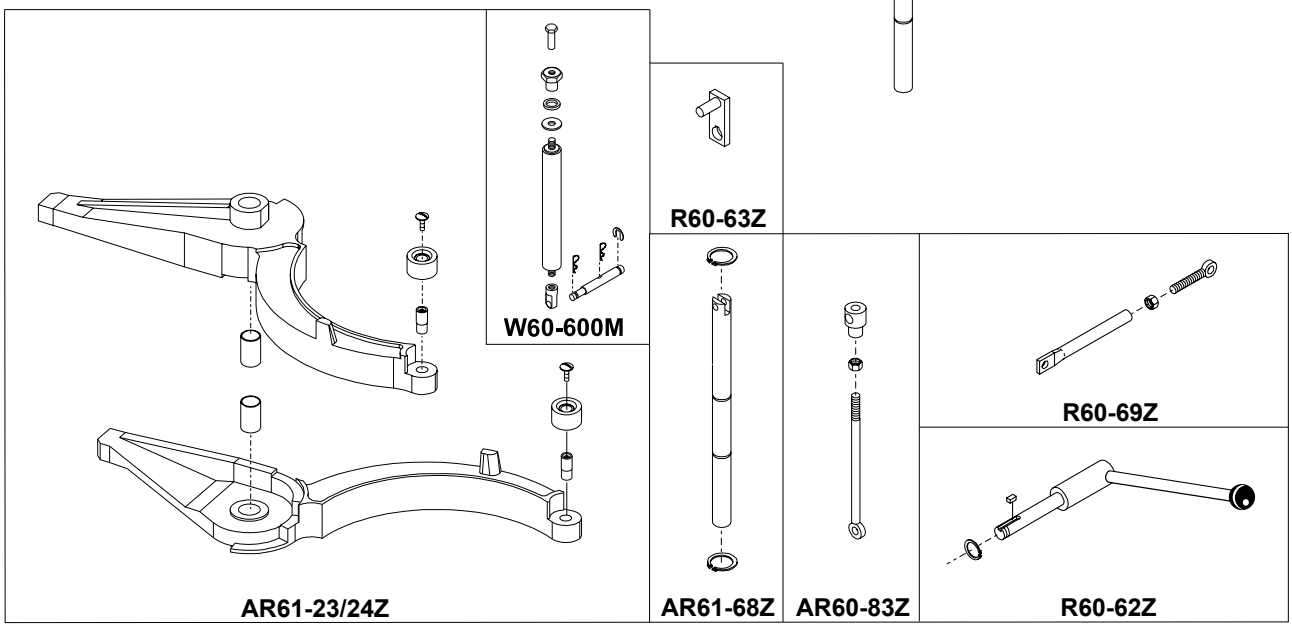

W60-600M
R60-63Z
AR61-23/24Z
AR61-68Z
AR60-83Z
R60-69Z
R60-62Z

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
23 + 29	STA6056	Lock washer
24	R15-211	Rubber ring
25	R15-215	End cover
26	R15-8M0	Engagement hub, white
27	STA5322	Screw
28	STA5561	Finger screw
29	R20-249	Label, “Greased for life”
30	STA6316	Pin
	AR60-10Z	attachment drive assy.
	AR60-10.5Z	attachment drive mounted

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

31 ..Drive unit, cable included
.....Motor R60-85.1, 1,9 kW
.....07060-1930
.....07060-1930R stainless steel frame version
.....Motor R60-85.3, 1,9 kW
.....07060-1931
.....07060-1931R stainless steel frame version
.....Motor R100-85.1, 2,9 kW
.....07080-2901
.....07060-2901R stainless steel frame version
.....07080-2930 ... Pizza version
.....07080-2930R Pizza and stainless steel 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 R60-85.1, 1,9 kW
.....07060-1940
.....07060-1940R stainless steel frame version
.....Motor R100-85.1, 2,9 kW
.....07080-2911
.....07060-2911R. stainless steel frame version
.....07080-2941 ... Pizza version
.....07080-2941R Pizza and stainless steel version
.....Motor R100-85.52, 3 kW, 3x200/50-3x208/60
.....07080-3042
.....07080-3042R stainless steel frame version

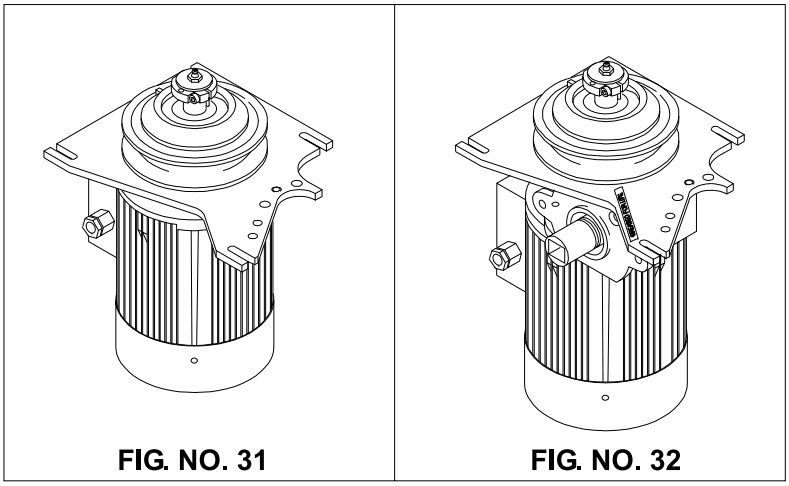
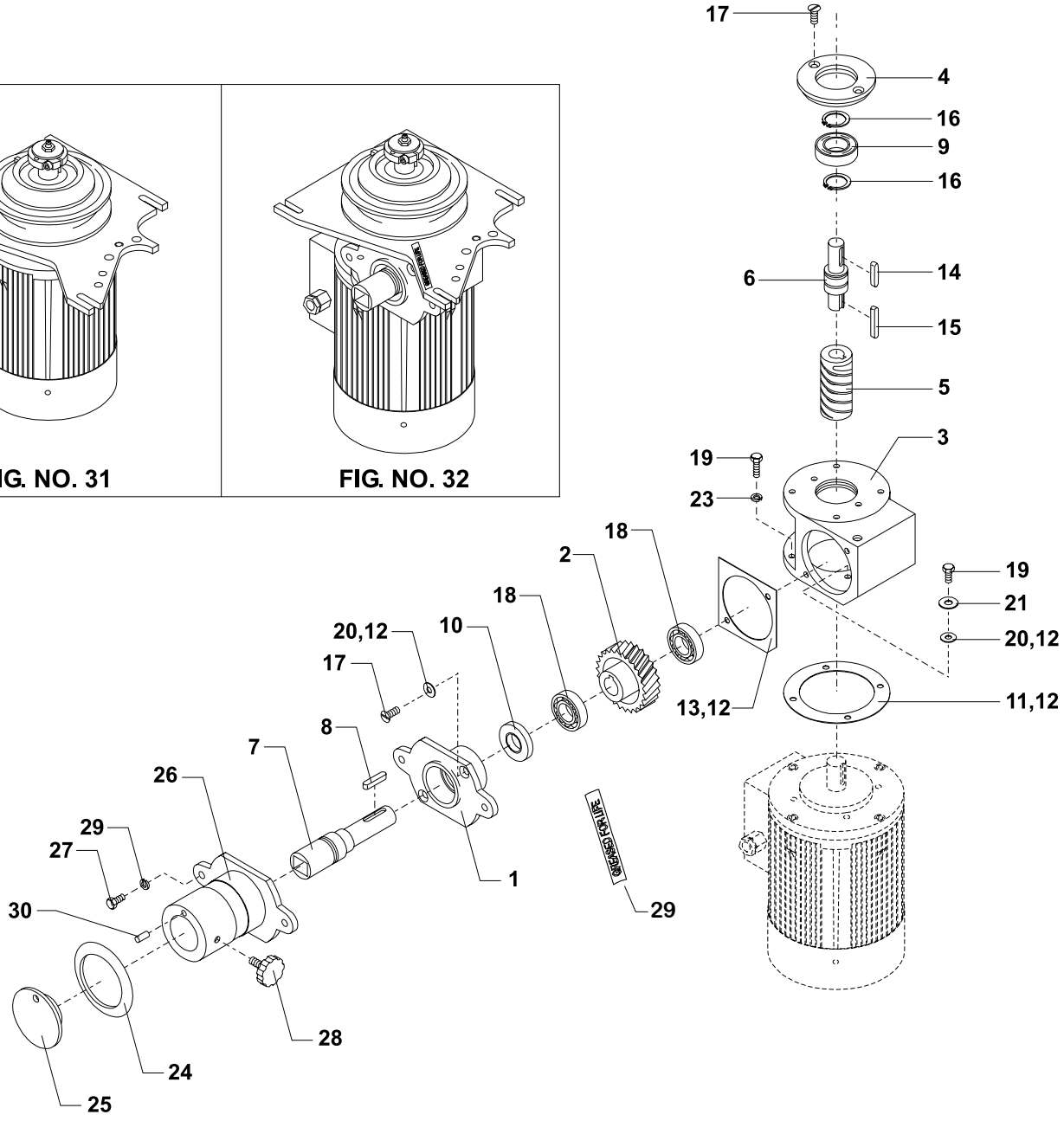
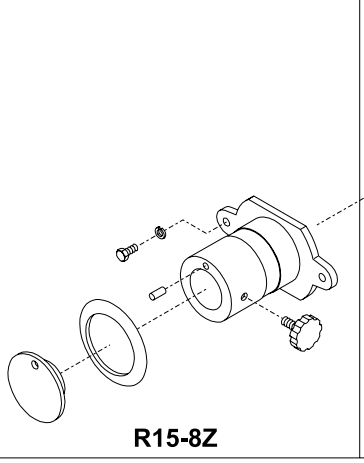


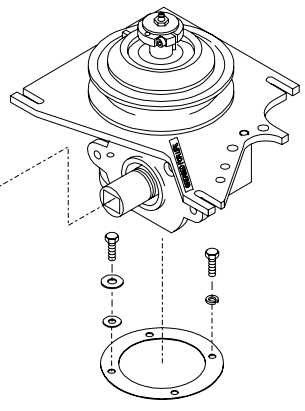
FIG. NO. 31

FIG. NO. 32



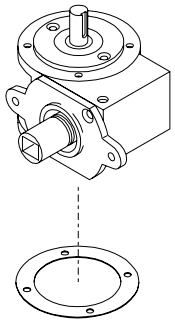


R15-8Z

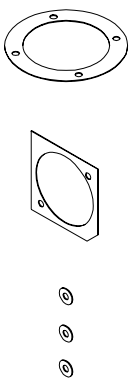


AR60-10.5Z

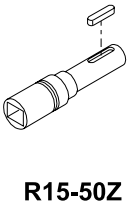
AR60-10Z



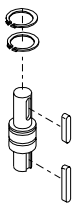
R30-10.5M



R20-300Z



R15-50Z



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

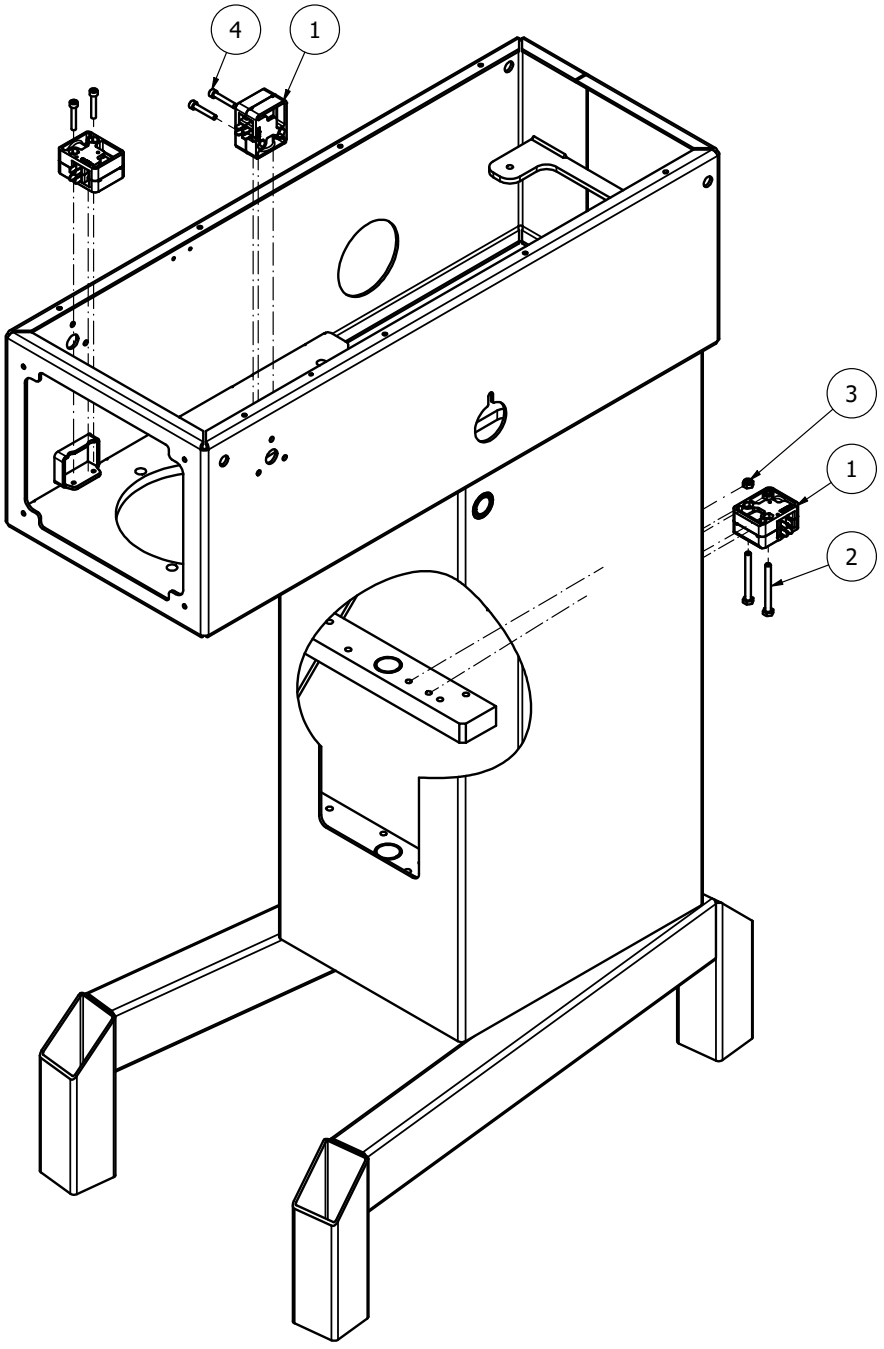
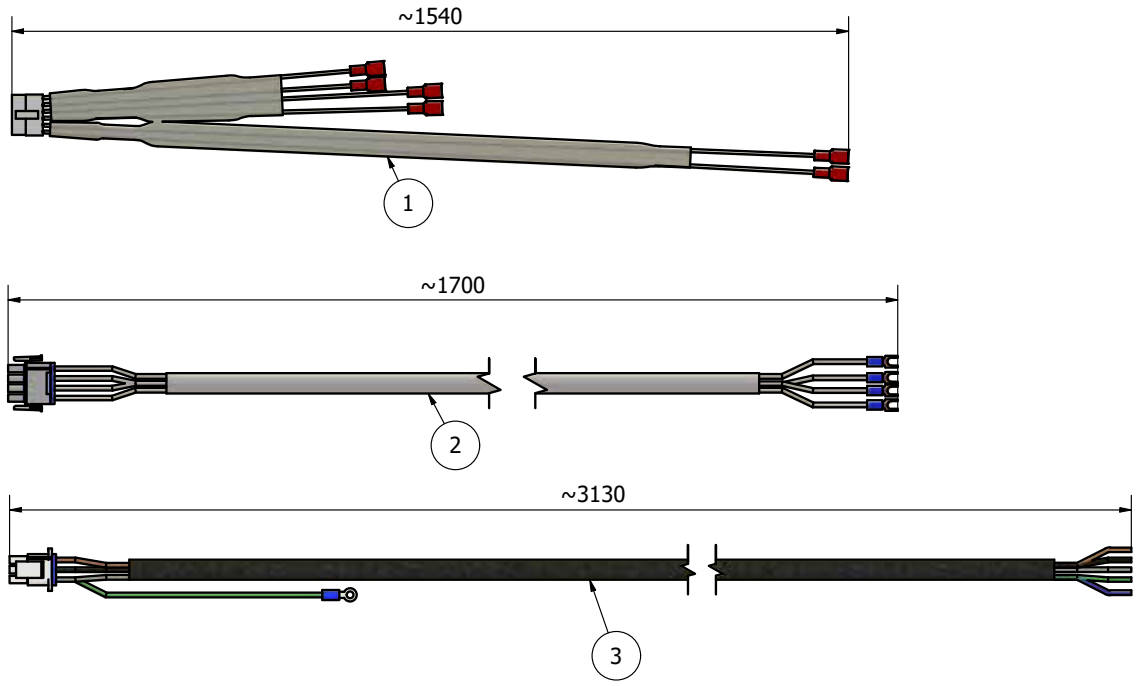


FIG NO.	ORDER NO.	DESCRIPTION
1	AR31-194.19M	Cable, safety switches
2	AR31-194.62M	Motor supply cable
3	AR31-194.53M	Power supply cable, with neutral
	AR31-194.56M	Power supply cable, without neutral

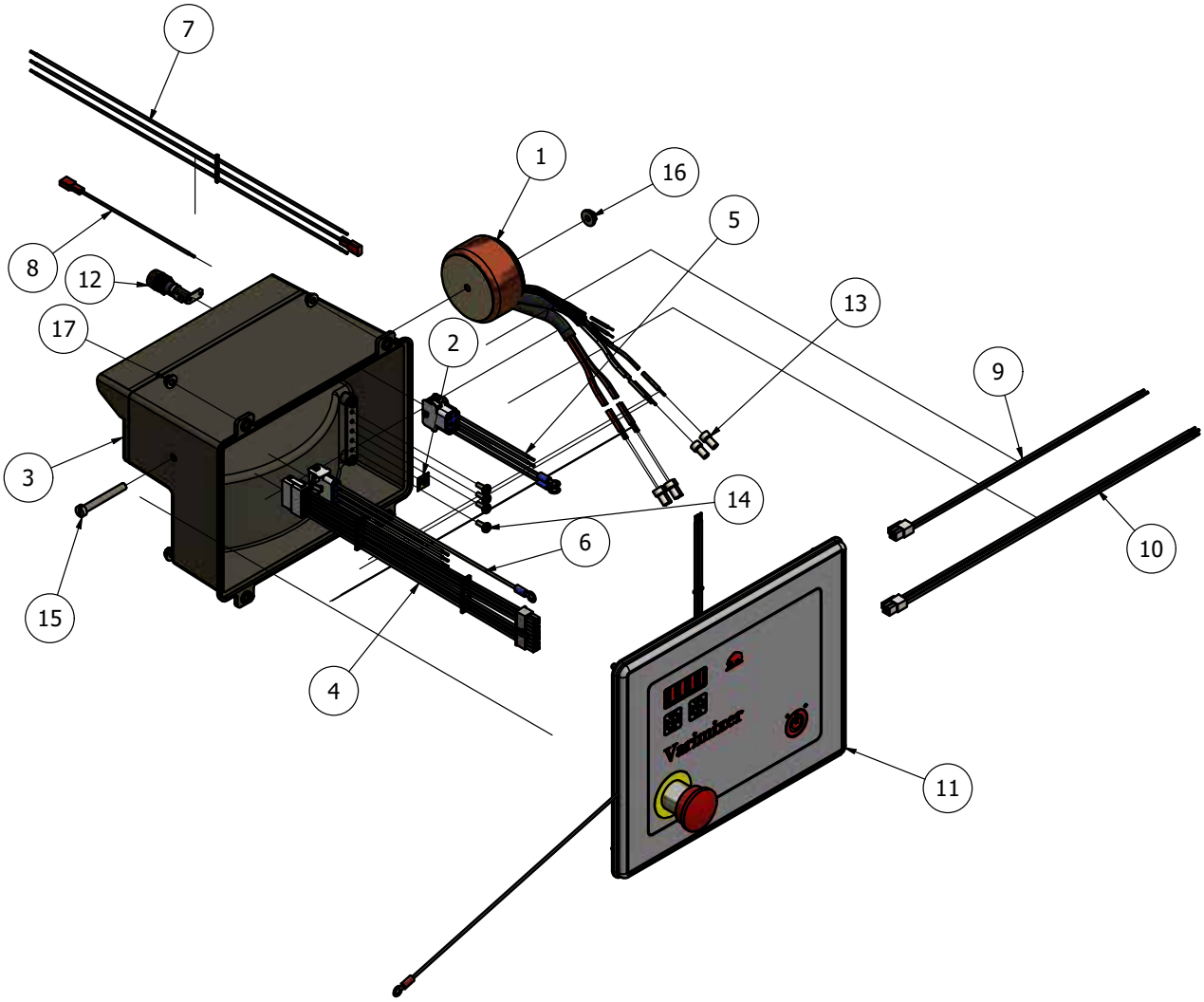


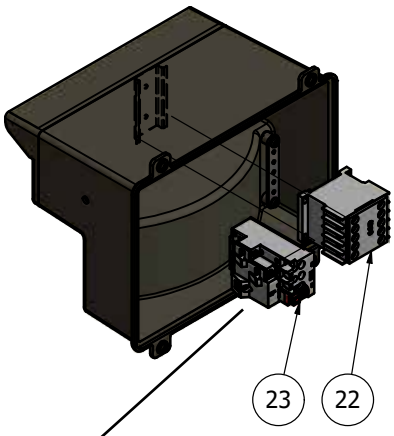
ELECTRIC COMPONENTS

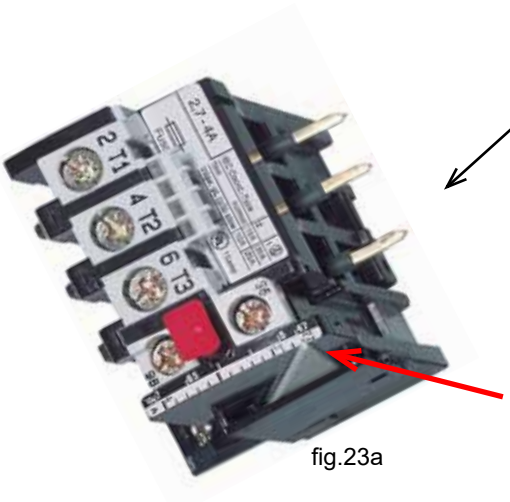
FIG NO.	ORDER NO.	DESCRIPTION
1	*2) .. AR10E-430	Isolating transformer
2	AR30-453.1	Physical earth label
3	*1) .. AR31-152.1M	Enclosure assembly
	*2) .. AR31-152.3M	
4	AR31-194.18M	Safety cable
5	*1) .. AR31-194.54M	Power supply cable
	*2) .. AR31-194.57M	
6	AR31-194.63M	Motor cable
7	AR31-194.80M	Fuse cable
8	AR31-194.81M	Fuse cable
9	AR31-194.84M	Signal cable
10	AR31-194.85M	Signal cable
11	AR31-530.21M	Front panel assembly
12	08030-0804	Fuse holder with fuse
12.1	R20E-418.2	Fuse
13	*2) .. STA3046	Crimp connector
14	STA5232	Self tapping Screw
15	*2) .. STA5250	Screw
16	*2) .. STA5896	Hex flange nut
17	STA5897	Hex flange nut

*1) .. Without isolating transformer, standard
*2) .. With isolating transformer, >380V without neutral

Frequency [Hz]	Voltage [V]	Motor [Item no.]	Power [kW]	Current [A]	Connection	Contactor, [fig.22]	Thermal Overload Relay [fig.23]	Overload relay setting [fig.23a] [A]
50	3x230	R60-85.1	1,85	8,4	Δ	AR31-88.104	AR31-88.204	11
	3x380-415			4,9	Y		AR31-88.203	6,1
60	3x480			4,4		AR31-88.115		5,5
	3x220-240			7,8	Δ		AR31-88.204	10
50	3x230	R100-85.1	2,9	13	Δ	AR31-88.104	AR31-88.206	16
	3x380-415			7,5	Y		AR31-88.204	9
60	3x480			6,5		AR31-88.115		8
	3x208	R100-85.52	3	13	Δ		AR31-88.206	16







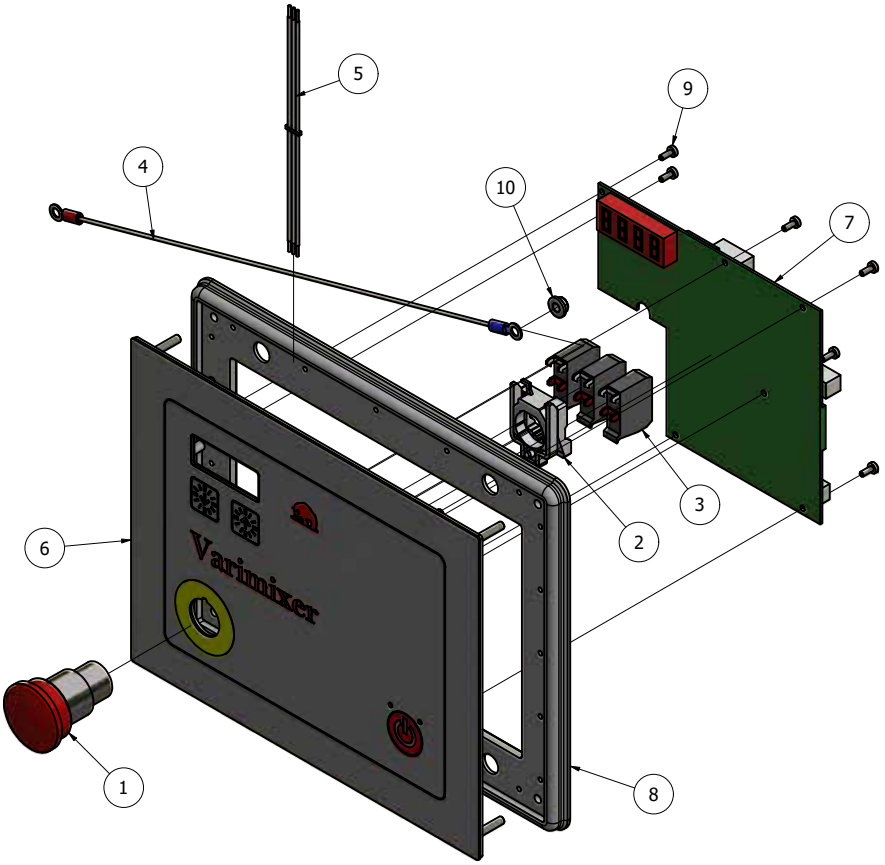
Setting see table page 18

fig.23a

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	AR31-530.3	Front panel
7	AR31-532.10	Control board
8	AR31-562	Gasket
9	STA5762	Pan head screw
10	STA5897	Hex flange nut

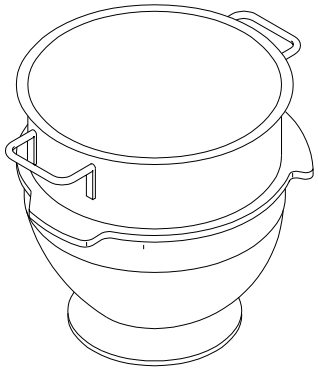
AR31-530.21M



BOWLS AND MIXING TOOLS

FIG NO.	ORDER NO.		DESCRIPTION
1	R60-75M	A	60 Bowl with bowl detection
1	R60-75AM	B	60/30 Bowl with bowl detection
2	R60-78M	A	Hook
2	R60-78.5M	A	Hook, double pin, pizza
2	R60-78AM	B	Hook
3	R60-27.2M	A	Flat beater
3	R60-27A2M	B	Flat beater
4	R60-28M	A	Stirring whip
4	R60-28MT	A	Whip with thinner wires
4	R60-28AM	B	Stirring whip
4	R60-28AMS	B	Whip, reinforced
5	44R60	A	Whip, reinforced
6	14R60	A	Beating whip
6	14R60A	B	Beating whip
7	39R60	A	Powder mixer
8	** 42R60P	A	Scraper with Blade (PA) and holder
8	** 42R60PT	A	Scraper with Blade (PTFE) and holder
8	** 42R60AP	B	Scraper with Blade (PA) and holder
8	** 42R60APT	B	Scraper with Blade (PTFE) and holder
9	42R60-202	A	Scraper with Blade (PA)
9	42R60-202T	A	Scraper with Blade (PTFE)
9	42R60A-202	B	Scraper with Blade (PA)
9	42R60A-202T	B	Scraper with Blade (PTFE)
10	42R40-105		Scraper holder
11	42R60-204	A	Blade (PA) for scraper
11	42R60-204T	A	Blade (PTFE) for scraper
11	42R60A-204	B	Blade (PA) for scraper
11	42R60A-204T	B	Blade (PTFE) for scraper
12	STA5652		Screw
13	STA6029		Washer
14	48R60Z	A	Rack for mixing tools
14	48R20Z	B	Rack for mixing tools
15	22AR60	A	Bowl truck
15	22AR60A	B	Bowl truck
16	22R276		Bowl truck Handle
17	22R30-41		Bowl Truck Frame
18	22R140.3	A	Spacer
18	22R140.100	B	Spacer
19	STA5642		Socket head screw
20	22R30-520		Castor wheel
21	STA5608		Hex socket set screw
22	STA5675		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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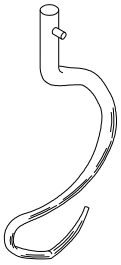

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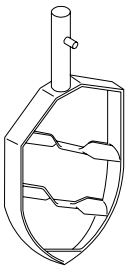

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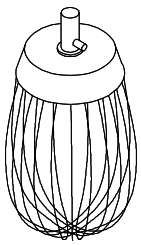

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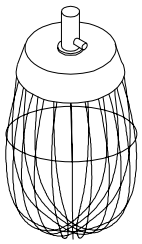

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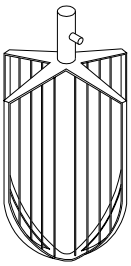

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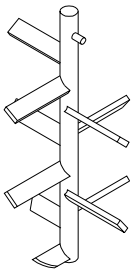

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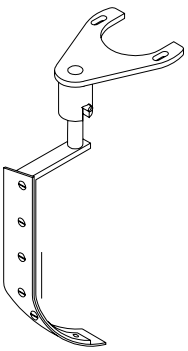

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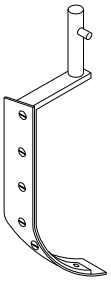

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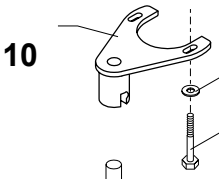

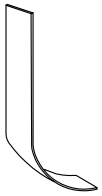

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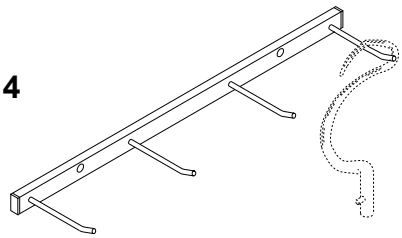

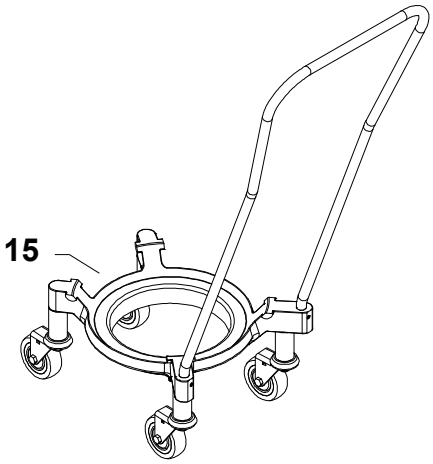

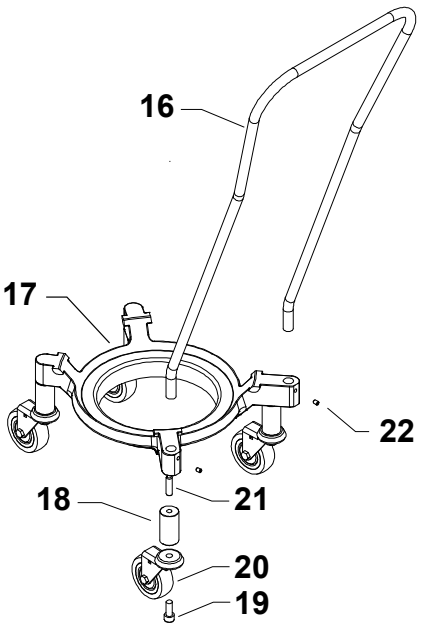

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