

IKA® Mixing

Mechanical overhead stirrers



RW 28 basic

Powerful, mechanically controlled stirrer. Suitable for quantities up to 80 l (H₂O) for use in laboratories and pilot plant stations.

- Two speed ranges for highly viscous media and for intensive mixing
- Push-through agitator elements
- Ex-proof version available on request

Accessories (Page):

Stands (90): R 2722, R 2723,
R 271 Boss head clamp (92), FK 1 Flexible coupling (30), RH 5 Strap clamp (92), R 301 Stirring shaft protection (30), Stirring elements (28/29): e.g. R 1345, R 1300, R 301.1 Support holder

Stirring quantity (H ₂ O)	80 l
Max. viscosity	50,000 mPas
Motor rating	
input / output	175 / 90 W
Output at stirring shaft	90 W
Max. ON-time	100 %
Max. torque at stirring shaft	
per 60 rpm	1,144 Ncm
per 100 rpm	900 Ncm
per 1,000 rpm	86 Ncm
Speed range I (50 Hz)	60 - 400 rpm
Speed range II (50 Hz)	240 - 1,400 rpm
Speed range I (60 Hz)	72 - 480 rpm
Speed range II (60 Hz)	288 - 1,680 rpm
Speed display	scale
Chuck range	1 - 10 mm
Hollow shaft diameter	10.5 mm
Diameter / length of extension arm	16 mm / 140 mm
Dimensions (W x D x H)	123 x 252 x 364 mm
Weight	7.4 kg
Permissible	
ambient temperature	5 - 40 °C
Permissible humidity	80 %
Protection class acc. to DIN EN 60529	IP 42

Ident. No.		Ident. No.	
2760000	230 V 50/60 Hz	2760001	115 V 50/60 Hz



RW 47 D

The most powerful IKA® stirrer for laboratories, pilot plant stations and small-scale production.

- For stirring tasks up to 200 l (H₂O)
- Two speed ranges for highly viscous media and intensive mixing
- Ex-proof version available on request
- Cables and plugs not included in delivery

Accessories (Page):

R 472 Floor stand (91),
R 474 Telescopic stand (91),
R 302 Shaft protection (30),
Stirring elements (28/29): e.g. R 2305,
R 2311, SI 400 Safety switch (31),
Fixing devices (31): SI 472, SI 474

Stirring quantity (H ₂ O)	200 l
Max. viscosity	100,000 mPas
Motor rating	
input / output	570 / 370 W
Output at stirring shaft	300 W
Max. ON-time	100 %
Max. torque at stirring shaft	
per 60 rpm	4,642 Ncm
per 100 rpm	3,000 Ncm
per 1,000 rpm	285 Ncm
Speed range I (50 Hz)	57 - 275 rpm
Speed range II (50 Hz)	275 - 1300 rpm
Speed range I (60 Hz)	69 - 330 rpm
Speed range II (60 Hz)	330 - 1,560 rpm
Speed display	scale
Chuck range	3 - 16 mm
Hollow shaft, inner diameter	13 mm
Fixing	flange
Dimensions (W x D x H)	145 x 340 x 445 mm
Weight	15 kg
Permissible	
ambient temperature	5 - 40 °C
Permissible humidity	80 %
Protection class acc. to DIN EN 60529	IP 44

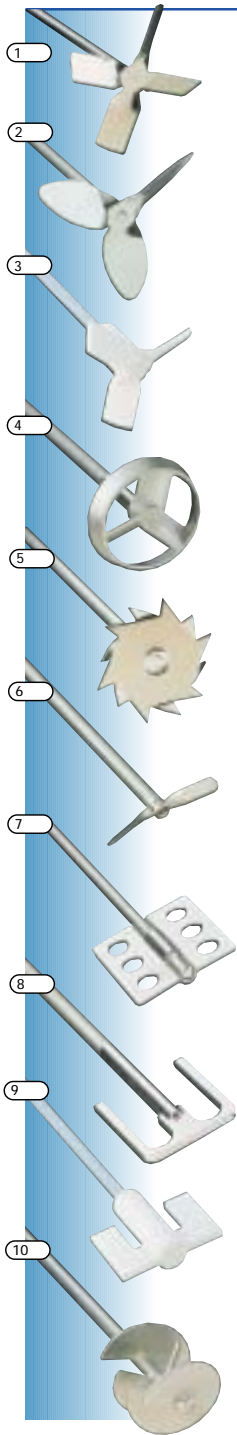
Ident. No.		Ident. No.	
1602000	3 x 400 V 50 Hz	1602010	3 x 230 V 60 Hz

IKA® Mixing

Stirring elements (stainless steel 1.4571)

Overhead stirrers

Mixing



	Ident. No.	Stirrer Ø	Shaft Ø	Shaft length
1 Propeller stirrer, 4-bladed				
R 1342	0741000	50 mm	8 mm	350 mm
R 1345	0741300	100 mm	8 mm	550 mm
R 2305	0739300	150 mm	13 mm	550 mm
R 2302	0739000	150 mm	13 mm	800 mm
2 Propeller stirrer, 3-bladed				
R 1381	1296000	45 mm	8 mm	350 mm
R 1382	1295900	55 mm	8 mm	350 mm
R 1385	0477700	140 mm	10 mm	550 mm
R 1388	0477800	140 mm	10 mm	800 mm
3 R 1389 (PTFE-coated)	2343600	75 mm	8 mm	350 mm
4 Turbine stirrer				
R 1311	2332900	30 mm	8 mm	350 mm
R 1312	2333000	50 mm	8 mm	350 mm
R 1313	2333100	70 mm	10 mm	400 mm
5 Dissolver stirrer				
R 1300	0513500	80 mm	8 mm	350 mm
R 1302	2387900	100 mm	10 mm	350 mm
R 1303	2746700	42 mm	8 mm	350 mm
6 Centrifugal stirrer				
R 1352	0756900	60 / 15 mm	8 mm	350 mm
R 1355	1132700	100 / 24 mm	8 mm	550 mm
7 Paddle stirrer				
R 1373	0757600	70 mm	8 mm	350 mm
R 1375	0757700	70 mm	8 mm	550 mm
R 1376	0757800	150 mm	10 mm	550 mm
R 2311	0739500	150 mm	13 mm	800 mm
8 Anchor stirrer				
R 1330	2022300	45 mm	8 mm	350 mm
R 1331	2022400	90 mm	8 mm	350 mm
9 R 1332 (PTFE-ummantelt)	2343700	60 mm	8 mm	350 mm
R 1333	2747400	150 mm	10 mm	550 mm
10 Kneading stirrer				
R 1335	2022500	45 mm	8 mm	350 mm

Propeller stirrer, 4-bladed

Standard stirring element. For drawing the material to be mixed from the top to the bottom. Local shearing forces. Generates axial flow in the vessel. Used at medium to high speeds.

Propeller stirrer, 3-bladed

Flow-efficient design. For drawing the material to be mixed from the top and the bottom. Minimum shearing forces. Used at medium to high speeds.

Turbine stirrer

For drawing the material to be mixed from above. Generates axial flow in the vessel. Minimum danger of injury when contact is made with vessel. Minimum shearing forces. Used at medium to high speeds.

Dissolver stirrer

Radial flow, for drawing the material to be mixed from the top and the bottom. High turbulence, high shearing forces. Particle reduction. Used at medium to high speeds.