



Fixed-Angle Rotor, Titanium

For use in instruments classified: H R S

Note: This rotor cannot be used in 4000 rpm F or H instruments or the L5-50E unless the instruments have been upgraded with a diffusion pump and vacuum indicator.

Major applications: Differential centrifugation of subcellular fractions.

Max. RPM	Max. g	k Factor	Number of Tubes Volume/Size	Rotor Capacity
50 000	302 000	69	12 x 39 mL 1 x 3 1/2 in 25 x 89 mm	468 mL

No. 337901. Type 50.2 Ti Rotor Assembly with 3 each 834301 O-rings, 3 each 854519 O-rings, and 2 each 330336 Overspeed Disks.

No. 348178. Quick-Seal Tube Kit with 2 boxes 342414 Polypropylene Tubes, 2 boxes 344326 Ultra-Clear Tubes, 12 Spacers 342699, 1 each 348124 Tube Rack, 306812 Spinkote Lubricant, and 335148 Vacuum Grease. (Cordless Tube Topper Kit required; see Tools, Accessories, and Supplies.)

No. 348177. Open-Top Tube Kit with 2 boxes 326823 Polypropylene Tubes, 2 boxes 344058 Ultra-Clear Tubes, 12 Tube Caps 331151, 1 Spinkote Lubricant 306812, and 1 Vacuum Grease 335148. (331202 and 305075 Tools required; see Tools, Accessories, and Supplies.)

No. 361662. OptiSeal Tube Kit with 4 boxes of OptiSeal Tubes 361625, 12 Spacers 361669 (6 pkg of 2), 1 OptiSeal Tube Rack 361646, 1 Tube Extraction Tool 361668, and 1 Spacer Removal Tool 338765.

Tubes and Bottles

Tube Style/Material	Vol. (mL) g-Max	Part No.	Quantity	Size (mm)	Required Caps/ Spacers (qty. 1)	Required Adapters (qty. 1)	g-Force	k Factor	Max. Speed
OptiSeal Polypropylene	32.4	361625	56	25 x 77	361669 ⁵⁵	—	302 000	69	50 000
Quick-Seal Polypropylene	15.0	343664	50	25 x 38	343448	—	302 000	39	50 000
	15.0	357343 ⁵	50	25 x 38	343448	—	302 000	39	50 000
	27.0	343665	50	25 x 64	343448	—	302 000	55	50 000
	27.0	357346 ⁵	50	25 x 64	343448	—	302 000	55	50 000
	33.0	344623	50	25 x 83	344635	—	302 000	68	50 000
	39.0	342414	50	25 x 89	342699	—	302 000	69	50 000
Quick-Seal Ultra-Clear	15.0	344324	50	25 x 38	343448	—	302 000	39	50 000
	27.0	344323	50	25 x 64	343448	—	302 000	55	50 000
	39.0	344326	50	25 x 89	342699	—	302 000	69	50 000
Bottle Assembly Polycarbonate	26.3	355618	6	25 x 89	—	—	302 000	69	50 000
	26.3	355654	6	25 x 89	355619	—	302 000	69	50 000
Thinwall Polypropylene	6.5	326820	50	13 x 64	346256	303392	194 000	61	43 000
	13.5	326814	50	16 x 76	330860	303307	179 000	85	40 000
	38.5	326823	50	25 x 89	331151	—	302 000	69	50 000
Thickwall Polypropylene	4.0	355644	25	13 x 64	—	303392	194 000	61	43 000
	10.0	355640 [†]	25	16 x 76	338907	303307	179 000	85	40 000
	30.0	355642 [†]	25	25 x 89	338906	—	302 000	69	50 000
Thickwall Polycarbonate	4.0	355645	25	13 x 64	—	303392	194 000	61	43 000
	10.0	355630 [†]	25	16 x 76	338907	303307	179 000	85	45 000
	30.0	355631 [†]	25	25 x 89	338906	—	302 000	69	50 000
Ultra-Clear	6.5	344088	50	13 x 64	346256	303392	194 000	61	43 000
	13.5	344085	50	16 x 76	330860	303307	179 000	85	40 000
	38.5	344058	50	25 x 89	331151	—	302 000	69	50 000
Stainless Steel	38.5	301112	1	25 x 89	302133	—	165 000	127	37 000 ^{††}

Note: To help you locate g-Max tubes in the rotor listings, these tubes are highlighted with bold, italic type.

⁵ To simplify ordering, this g-Max Kit includes enough spacers to fill rotor, 50 tubes and required tools.

⁵⁵ Set of 2.

[†] Caps are optional for these thickwall tubes. In the Type 50.2 Ti, the filling level for P/N 355642 and P/N 355631 is 16.5 mL. For P/N 355640 and P/N 355630, the filling level is 8 mL. Maximum speeds for these open-top tubes without a cap: Polycarbonate — 45 000 rpm; Polypropylene — 20 000 rpm. These speeds are those which the tubes could withstand when tested at 25°C for 24 hours. Further tests have shown that the polycarbonate tubes can run at 50 000 rpm for four hours.

^{††} Refer to the section on RUN SPEEDS in the Type 50.2 Rotor manual before using.

Rotor Replacement Parts

330336 Overspeed Disk, 50000 rpm
337903 Rotor Lid
337904 Break-a-way Handle Assembly
834301 Large O-ring for Rotor Lid
854519 Small O-ring for Rotor Lid

Adapters/Spacers/Caps

303307 303392 330860 331151 338906 338907 342699 343448 344635 346256 361669 302133

