

Superspeed Rotors

Thermo Scientific SA-300 Rotor (this rotor is no longer available)*



ROTOR SPECIFICATIONS

Type	Fixed Angle
Material	Aluminum
Capacity	6 x 50 mL
Maximum Speed	25,000 rpm
Maximum Sample Density	1.2 g/mL
Tube Dimensions Ø x L	29 x 108 mm
Angle	34°
K Factor	573
Net Weight	5.58 kg/12.3 lbs
Warranty	10 years
Certifications	

	RCF	RADIUS
Maximum	67,509 xg	96.7 mm
Minimum	16,406 xg	23.5 mm

ROTOR AND ACCESSORIES ORDERING INFORMATION

		THERMO SCIENTIFIC		
		SORVALL RC-6 Plus Series	SORVALL Evolution RC	SORVALL RC-5 Plus Series
SA-300	Max. Speed	22,000 rpm	25,000 rpm	20,500 rpm
	Max. RCF	52,326 xg	67,510 xg	45,393 xg

SA-300 Rotor Package includes:

Description	Cat. No.
SA-300 Rotor	18100
Rotor Cover Assembly	18122
Cover O-ring	91245
Rotor Extractor	01031
Instruction Manual	28505
Lubricant	76003500
Vacuum Grease	70006692

Accessories:

Description	Cat. No.
Ultracrimp Sealing Tool and Crimp Gauge	03920
Crimp Gauge Replacement	03919
Extra Plugs and Caps	03999
Rotor Cap	03538
Retaining Ring Pliers	65614

Refer to manufacturer's recommendations for product performance information, including cycle limits and chemical compatibility limitations.

*This rotor model has been replaced by the Thermo Scientific SS-34 or Fiberlite F21-8x50y rotors.

 Biocontainment certification by the Public Health England, Porton Down, UK, shown to be suitable for use with materials up to ACDP Category 3 as categorized by the Advisory Committee on Dangerous Pathogens.

LABWARE ORDERING INFORMATION

Tube Vol. (mL)	Vol. Fill (mL)	Description	Cat. No.	Qty. /Pkg.	Tubes /Rotor	Max. Speed (rpm)	Max. RCF (xg)	Dims ØxL (mm)	REQUIRED TUBE CLOSURES, ADAPTERS, TOOLS & ACCESSORIES			
									Type	Cat. No.	Qty. /Pkg.	Description
50.0	50.0	PA Ultracrimp Tube	03528	25	6	25,000	67,509	29 x 108	Closure	Included	25	Plugs and Aluminum Caps
									Accessory	03538	1	Rotor Cap
									Accessory	03529	1	Tube Racks
									Accessory	03920	1	Sealing Tool
50.0	43.0	Nalgene™ PC Oak Ridge Tube	3138-0050	50	6	21,500	49,929	29 x 108	Closure	Included	50	PP Sealing
50.0	43.0	Nalgene PPCO Oak Ridge Tube	3139-0050	50	6	21,500	49,929	29 x 107	Closure	Included	50	PP Sealing
50.0	46.0	FEP Oak Ridge Tube	3114-0050	10	6	21,500	49,929	29 x 108	Closure	Included	10	FEP Screw Top
50.0	37.0	PP Flanged Tube	03147	25	6	25,000	67,509	29 x 102	Closure	03268	25	PP Snap-on
50.0	36.0	PC Flanged Tube	03146	25	6	25,000	67,509	29 x 102	Closure	03268	25	PP Snap-on
50.0	46.0	PA Flanged Tube	03139	25	6	25,000	67,509	28 x 104	—	—	—	—
50.0	50.0	SS Flanged Tube	00517	1	6	24,000	62,216	28 x 101	Closure	00518	1	SS Sealing
30.0	28.0	PC Oak Ridge Tube	314348	25	6	25,000	67,509	25 x 94	Closure	314347	1	Aluminum Sealing
									Adapter	75003027	1	1 place/adapter
									Tool	314353	1	Tube Extractor Tool
30.0	28.0	PP Oak Ridge Tube	314349	25	6	25,000	67,509	25 x 94	Closure	314347	1	Aluminum Sealing
									Adapter	75003027	1	1 place/adapter
									Tool	314353	1	Tube Extractor Tool
30.0	—	Glass Tube	—	6	6	—	—	24 x 106	Adapter	00368	1	Optional Caps
16.0	13.0	PP Flanged Tube	03244	50	6	20,500	45,393	18 x 100	Closure	03299	50	PP Snap-On
									Adapter	75003026	1	1 place/adapter
16.0	14.0	PC Flanged Tube	03243	50	6	24,000	62,216	18 x 100	Closure	03269	50	PP Snap-On
									Adapter	75003026	1	1 place/adapter
15.0	—	Glass Tube	—	6	6	11,000	13,070	18 x 102	Adapter	00363	1	1 place/adapter
12.0	12.0	GL Pyrex Tube	03109	50	6	5,000	2,700	18 x 102	Adapter	00363	1	1 place/adapter
12.0	10.0	PP Flanged Tube	03116	50	6	20,500	45,393	16 x 100	Closure	03266	50	PP Nonsealing
									Adapter	00402	1	1 place/adapter
12.0	11.0	PC Flanged Tube	03115	50	6	24,000	62,216	16 x 100	Closure	03266	50	PP Nonsealing
									Adapter	00402	1	1 place/adapter
10.0	9.1	PP Oak Ridge Tube ¹	03929	50	6	25,000	67,509	16 x 80	Closure	03279	25	PP Sealing
									Adapter	75003024	1	1 place/adapter
10.0	9.1	PC Oak Ridge Tube	03020	25	6	25,000	67,509	16 x 80	Closure	03279	25	PP Sealing
									Adapter	75003024	1	1 place/adapter
10.0	9.0	PA Thin-Walled Tube	03124	50	12	24,000	62,216	13 x 100	Adapter	00473	1	2 places/adapter
7.0	6.0	PC Flanged Tube	03120	50	12	24,000	62,216	13 x 100	Closure	03265	50	PP Snap-On
									Adapter	00473	1	2 places/adapter
7.0	6.0	PP Flanged Tube	03121	50	12	20,500	45,393	13 x 100	Closure	03265	50	PP Snap-On
									Adapter	00473	1	2 places/adapter
4.0	3.0	PP Flanged Tube	03105	50	12	20,500	45,393	11 x 75	Closure	03264	50	PP Snap-On
									Adapter	75003023	1	2 places/adapter
4.0	3.0	PC Flanged Tube	03104	50	12	24,000	62,216	11 x 75	Closure	03264	50	PP Snap-On
									Adapter	75003023	1	2 places/adapter
3.0	3.0	GL Pyrex™ Tube	03100	50	12	5,000	2,700	10 x 75	Adapter	00364	1	2 places/adapter
1.5	1.5	Conical Microtube	314352H01	100	12	25,000	67,509	11 x 40	Adapter	75003023	1	2 places/adapter
1.5	—	Conical Microtube	—	—	—	25,000	67,509	11 x 42	Adapter	75003023	1	2 places/adapter

Refer to manufacturer's recommendations for product performance information, including cycle limits and chemical compatibility limitations.

¹ Rated to 21,000 rpm when partially filled.

Find out more at thermofisher.com/rotors

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