

Rototec-Spintec products - NMR Pricelist Version 01.01.2023

• All prices are in EURO excluding sales tax valid from 1st January, 2023

Payment Terms are:

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Rototec-Spintec GmbH Terms & Conditions of Sale (German):

https://www.rototec-spintec.com/docs/AGB_GER_2017.pdf

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Probe Inserts, Sapphire Tubes and explosion protection, pg. 7

Solids NMR Zirconia MAS Rotors & Caps

1.3mm Rotors & Caps for Bruker MAS Probes | Product Group B

Article Number	Quantity/Unit Each	Price	Description
WP-602-1181	1	210,00	Vespel SP1 Caps (VT), 1.3mm OD, 0.9mm ID, V max 60kHz
WP-602-1182	1	150,00	Vespel SP1 Bottom Plugs (VT), 1.3mm OD, 0.9mm ID, V max 60kHz
WP-501-1180	1	900,00	1.3mm Rotor for Bruker MAS Probe Zirconia, 3.3uL, ID 0.9mm, V max 60kHz
RS-301-1180	1	1100,00	1.3mm MAS Rotor Cap Remover with integrated clamp 1.3mm MAS Rotor Cap Remover
RS-501-1180 NEW!	1	175,00	Cap set tool for 1.3mm MAS rotor
WP-501-1180-Set1	1	1550,00	1x 1.3mm Rotor, 2x Vespel Caps, 2x Vespel Bottom Plugs

Zirconia MAS Rotors & Caps

2.5mm Rotors & Caps for Bruker MAS Probes | Product Group B

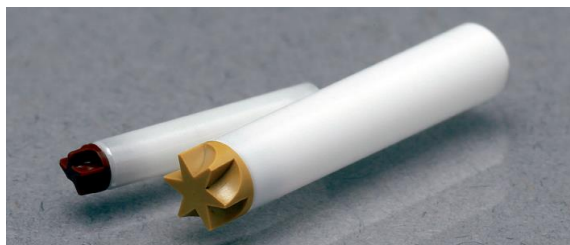
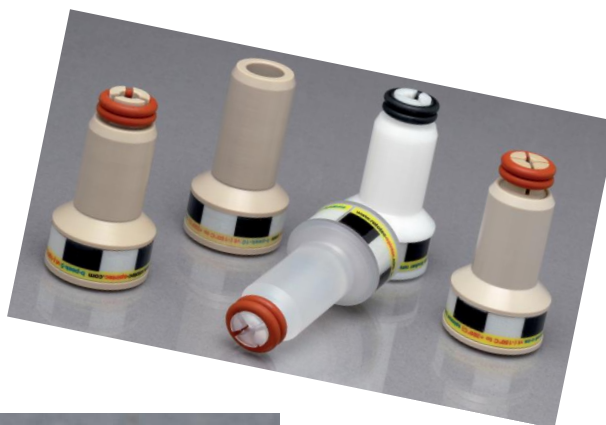
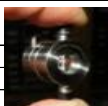
Article Number	Quantity/Unit Each	Price	Description
WP-501-2180	1	550,00	Zirconia MAS Rotor; 2.5mm OD, 1.3mm ID, V max 35kHz
	5	545,00	
	10+	540,00	
WP-501-2181 NEW!	1	550,00	Zirconia MAS Rotor; 2.5mm OD, 1.5mm ID, V max 35kHz
	5	545,00	
	10+	540,00	
WP-501-2182 NEW!	1	550,00	Zirconia MAS Rotor; 2.5mm OD, 1.7mm ID, V max 35kHz
	5	545,00	
	10+	540,00	
WP-602-2181	1	145,00	Vespel SP1 Caps (VT), 2.5mm OD, 1.3mm ID, V max 35kHz V max
	10+	130,00	
WP-602-2183 NEW!	1	200,00	Vespel SP1 Caps (VT), 2.5mm OD, 1.5mm ID, V max 35kHz V max
	10+	195,00	
WP-602-2185 NEW!	1	250,00	Vespel SP1 Caps (VT), 2.5mm OD, 1.7mm ID, V max 35kHz V max
	10+	245,00	
WP-602-2182	1	115,00	Vespel SP1 Bottom Plugs (VT), 2.5mm OD, 1.3mm ID, V max 35kHz V max
	10+	110,00	
WP-602-2184 NEW!	1	155,00	Vespel SP1 Bottom Plugs (VT), 2.5mm OD, 1.5mm ID, V max 35kHz V max
	10+	150,00	
WP-602-2186 NEW!	1	190,00	Vespel SP1 Bottom Plugs (VT), 2.5mm OD, 1.7mm ID, V max 35kHz V max
	10+	180,00	
WP-603-2181	1	150,00	Kel-F Caps (For red. 1H Background, RT, 2.5mm OD, 1.3mm ID Rotors) 20-25 kHz Vmax
	10+	145,00	
WP-603-2182	1	115,00	Kel-F Bott. Plugs (For red. 1H Background, RT 2.5mm OD, 1,3mm ID Rotors)
	10+	110,00	
RS-201-2180	1	40,00	Manual Rotor Packer, 2.5mm, Product Group A
RS-301-2180	1	950,00	2.5mm Rotor Cap Remover for all Rotor ID, i.e. 1.3,1.5,1.7mm, Product Group A
RS-401-2180	1	29,00	2.5mm Filling funnel, Product Group A
RS-501-2180 NEW!	1	54,00	Cap set tool for 2.5mm MAS rotor
WP-501-2180-Set1	1	995,00	1x 2.5mm OD / 1.3mm ID Rotor, 2x Vespel Caps, 2x Vespel Bottom Plugs
WP-501-2180-Set2	1	1.940,00	2x 2.5mm OD / 1.3mm ID Rotors, 4x Vespel Caps, 4x Vespel Bottom Plugs
WP-501-2180-Set3	1	4.800,00	5x 2.5mm OD / 1.3mm ID Rotors, 10x Vespel Caps, 10x Vespel Bottom Plugs



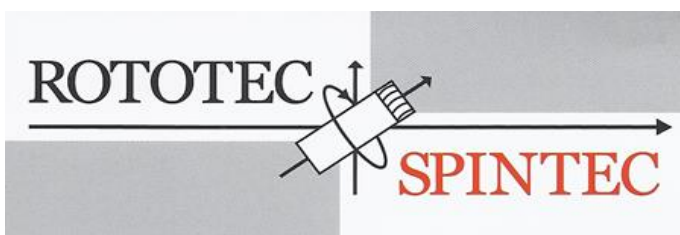
3.2mm Rotors & Caps for Bruker MAS Probes | Product Group B

Article Number	Quantity/Unit Each	Price	Description
<i>Technical note: Our 3.2mm Rotor for Bruker MAS probes is as our 2.5 i.e. using a removable bottom plug of the same material as the Rotor cap for easier Rotor cleaning.</i>			
	1	520,00	
WP-501-3180	5	515,00	Zirconia MAAS Rotor; V max 24 kHz
	10+	510,00	
WP-602-3181	1	115,00	Vespel SP1 Caps (VT) 24 kHz - V max
	10+	110,00	
WP-602-3182	1	105,00	Vespel SP1 Bottom plugs (VT) 24 kHz - V max
	10+	100,00	
WP-603-3181	1	115,00	Kel-F Caps (For reduced 1H Background, RT) 10-15 kHz - V max
	10+	110,00	
WP-603-3182	1	105,00	Kel-F Bottom Plugs (For reduced 1 H Background,RT) 10-15 kHz V max
	10+	100,00	
RS-201-3180	1	40,00	Manual Rotor Packer, 3.2mm, Product Group A
RS-301-3180	1	950,00	3.2mm Rotor Cap Remover, Product Group A
RS-401-3180	1	27,00	3.2mm Filling funnel, Product Group A
WP-501-3180-Set1	1	1.060,00	1x 3.2mm Rotor, 2x Vespel Caps, 2x Vespel Bottom Plugs
WP-501-3180-Set2	1	2.100,00	2x 3.2mm Rotors, 4x Vespel Caps, 4x Vespel Bottom Plugs
WP-501-3180-Set3	1	5.200,00	5x 3.2mm Rotors, 10x Vespel Caps, 10x Vespel Bottom Plugs

(Sets with Kel-f Caps & Plugs available on request)





what science needs



4mm Rotors & Caps for Bruker MAS Probes | Product Group B

Article Number	Quantity/Unit Each	Price	Description
WP-501-4180 	1	350,00	Zirconia MAS Rotor; V max 18kHz, for complete rotor sets see end of section
	5	345,00	7.07µl / mm, 14mm, total volume 99µl, ID=3.00mm
	10+	340,00	
WP-501-4181 	1	370,00	Zirconia MAS Rotor; V max 18kHz; laser marked with a unique number and permanent tachometer mark on the base, 7.07µl / mm, 14mm, total volume 99µl, ID=3.00mm
	5	365,00	
	10+	360,00	
WP-501-4183 	1	390,00	Zirconia HR MAS Rotor; V max 12kHz, now superceded by WP-501-4185 or -4187
	5	385,00	(Gels only, special Tight Fit caps required for pure liquids > 3kHz)
	10+	380,00	
WP-501-4185	1	440,00	4mm HR MAS Rotor reduced volume, Zirconia, V max 18kHz, fixed base, 3mm ID, 15µl, Tachometer laser-marked, Rotor only. Add Plug, JK-601-4183-15 or -TF version
WP-501-4187	1	440,00	4mm HR MAS Rotor reduced volume, Zirconia, V max 18kHz, fixed base, 3mm ID, 50µl, Tachometer laser-marked, Rotor only. Add Plug, JK-601-4183-50 or -TF version
WP-601-4181 	1	55,00	Kel-F Caps, press fit.
	10+	53,00	
JK-601-4181	1	73,29	Kel-F Caps with 1 O-Ring
	10+	67,65	
JK-601-4181-S	1	78,93	Kel-F Cap Special Press Tight Fit
	10+	73,29	
JK-601-4183-15	1	118,39	Caps, 4mm, Kel-F, HR, 15µl for Room Temperature, with 2 O-rings for WP-501-4183, or -4185 or -4187 (Gels or Pure Liquids up to 3kHz)
	10+	112,75	
JK-601-4183-15TF	1	118,39	Caps, 4mm with vent plug - Kel-F, 15µl, 1 x O-Ring, RT for HR Rotor WP-501-4183 or -4185 or -4187 Tight Fit
	10+	112,75	
JK-601-4183P-15	1	56,38	Bottom Plugs, 4mm, Kel-F, HR, 15µl for Room Temperature, with 2 O-rings for WP-501-4183 (Gels or Pure Liquids up to 3kHz)
	10+	50,74	
JK-601-4183P-15TF	1	56,38	Bottom Plugs, 4mm, Kel-F, 50µl, 1 x O-Ring RT Special Press Fit for HR Rotor WP-501-4183TF
	10+	50,74	
JK-601-4183-50	1	118,39	Caps, 4mm, Kel-F, HR, 50µl for Room Temperature, with 2 O-rings for WP-501-4183, or -4185 or -4187 (Gels or Pure Liquids up to 3kHz)
	10+	112,75	
JK-601-4183-50TF	1	118,39	Caps, 4mm with vent Plug - Kel-F, 50µl 1 x O-Ring, RT Special Tight Fit for HR Rotor WP-501-4183 or -4185 or -4187
	10+	112,75	
JK-601-4183P-50	1	56,38	Bottom Plugs, 4mm, Kel-F, HR, 50µl for Room Temperature, with 2 O-rings for WP-501-4183 (Gels or Pure Liquids up to 3kHz)
	10+	50,74	
JK-601-4183P-50TF	1	56,38	Bottom Plugs, 4mm, Kel-F, 50µl, 1xO-Ring RT Special Tight Fit for HR Rotor WP-501-4183
	10+	50,74	
JK-601-4183D-50	1	50,74	1 x 3mm Kel-F Sample Shimming Discs for 4mm 50µL HR Rotors
JK-601-4184	1	50,74	Tool for 4mm HR Rotors
JK-601-4184-PIN	1	28,19	Tool for HR end Caps to remove exhaust plug
JK-601-4184TF	1	78,93	Tool for 4mm HR Rotor Caps, Tight Fit
JK-601-4185	1	28,19	Replacement plug for either JK-601-4183-15 or -50
RS-201-4180	1	23,68	Manual MAS Rotor Packer, 4.0mm, Product Group C
RS-301-4180	1	950,00	4.0mm Rotor Cap Remover, Product Group C
RS-401-4180	1	70,00	4.0mm Filling Funnel, Product Group C
RS-501-4180 NEW!	1	71,00	Cap set tool for 4mm MAS rotor
JK-602-4181 	1	152,22	Macor Caps with 1 O-Ring, V max 10kHz
	10+	146,58	
JK-603-4181	1	78,93	Torlon Caps with 1 O-Ring
	10+	73,29	
JK-604-4181	1	90,20	Vespel Caps with 1 O-Ring
	10+	84,57	
JK-602-4181-O	1	2,26	Viton O-Rings for Macor Caps
	10+	1,69	
JK-603-4181-O	1	2,26	Viton O-Rings for Caps excepting Macor
	10+	1,69	
WP-501-4183-Set 15	1	518,65	Rotor, 4mm Zirconia for HR, Cap and Bottom, Kel-F, 15µL
	10+	507,38	
WP-501-4183-Set 50	1	518,65	Rotor, 4mm Zirconia for HR, Cap and Bottom, Kel-F, 50µL
	10+	507,38	
WP-501-4183-Set 15TF	1	518,65	1x Rotor, 1x HR Kel-F Cap, 1x HR Kel-F Plug, 15µl, Special Tight Fit
	10+	507,38	
WP-501-4183-Set 50TF	1	518,65	1x Rotor, 1x HR Kel-F Cap, 1x HR Kel-F Plug, 50µl, Special Tight Fit
	10+	507,38	
WP-501-4180-Set 1	1	500,00	1x 4mm Rotor, 2x Kel-F Caps, 1x Torlon Cap
WP-501-4180-Set 2	1	980,00	2x 4mm Rotors, 4x Kel-F Caps, 1x Torlon Cap
WP-501-4180-Set 5	1	2.380,00	5x 4mm Rotors, 10x Kel-F Caps, 3x Torlon Caps
WP-501-4181-Set 1	1	566,50	1x 4mm Rotor, 2x Kel-F Caps, 1x Torlon Cap Lasermarked
WP-501-4181-Set 1	1	520,00	1x 4mm Rotor, 2x Kel-F Caps, 1x Torlon Cap Lasermarked
WP-501-4181-Set 2	1	1.020,00	2x 4mm Rotor, 4x Kel-F Caps, 1x Torlon Cap Lasermarked
WP-501-4181-Set 5	1	2.480,00	5x 4mm Rotor, 10x Kel-F Caps, 3x Torlon Cap Lasermarked

Article Number	Quantity/Unit Each	Price	Description
WP-501-7180	1	270,00	Zirconia MAS Rotor; max speed 7kHz, for complete rotor sets see end of section.
WP-601-7180	1	31,57	Kel-F Caps for DB 
	10+	22,55	
WP-601-7181	1	54,12	Kel-F Caps for BL 
	10+	50,74	
JK-601-7180	1	62,02	Kel-F Caps for DB with 1 O-Ring (10 pieces min. Order Quantity)
JK-601-7181	1	67,65	Kel-F Caps for BL with 1 O-Ring
	5	62,02	
JK-601-7181-L	1	67,65	Kel-F Caps for BL with 2 O-Rings, long shaft
	5	62,02	
JK-601-7181-WH	1	95,84	Kel-F Caps for BL, 1 O-Ring, Axial hole, (10 pieces min. Order Quantity)
JK-601-7181-LWH	1	95,84	Kel-F Caps for BL, 2 O-Rings, Axial hole, (10 pieces min. Order Quantity)
JK-602-7180	1	118,39	Macor Caps for DB, with 1 O-Ring (10 pieces min. Order Quantity)
JK-602-7180-L	1	124,03	Macor Caps for DB with 2 O-Rings; long (10 pieces min. Order Quantity)
	1	124,03	
JK-602-7181	1	124,03	Macor Caps for BL with 1 O-Ring
	5	112,75	
JK-602-7181-L	1	135,30	Macor Caps for BL with 2 O-Rings, long shaft
	5	124,03	
JK-603-7180	1	73,29	Torlon Caps for DB with 1 O-Ring (10 pieces min. Order Quantity)
JK-603-7180-L	1	67,65	Torlon Caps for DB with 2 O-Rings; long (10 pieces min. Order Quantity)
	1	78,93	
JK-603-7181	1	73,29	Torlon Caps for BL with 1 O-Ring
	5	73,29	
JK-603-7181-WH	1	90,20	Torlon Caps for BL, 1 O-Ring, Axial hole, (10 pieces min. Order Quantity)
	1	73,29	
JK-603-7181-L	1	67,65	Torlon Caps for BL with 2 O-Rings, long shaft
	5	67,65	
JK-603-7181-LWH	1	101,48	Torlon Caps for BL, 2 O-Rings, Axial hole, (10 pieces min. Order Quantity)
JK-601-7180-O	1	2,26	Viton O-Rings
	10+	1,69	
WP-501-7180-Set 1	1	400,00	1x 7mm Rotor, 2x Kel-F Cap, 1x Torlon Cap (BL)
WP-501-7180-Set 2	1	775,00	2x 7mm Rotors, 4x Kel-F Cap, 2x Torlon Caps (BL)
WP-501-7180-Set 5	1	1.900,00	5x 7mm Rotors, 10x Kel-F Caps, 5x Torlon Caps (BL)

4mm Rotors & Caps for Varian MAS Probes (Jakobsen style) | Product Group B

Article Number	Quantity/Unit Each	Price	Description
WP-501-4224	1	902,00	Silicon Nitride (Si ₃ N ₄) MAS Rotor; max. speed 18kHz
	5	890,73	
	10+	879,45	
JK-601-4224	1	191,68	Kel-F Caps with 2 O-Rings
	5+	180,40	
JK-603-4224	1	191,68	Torlon Caps with 2 O-Rings
	5+	180,40	
JK-603-4224-WH	1	202,95	Torlon Caps with 2 O-Rings and an axial hole for venting, 5 minimum order
JK-603-4224-O	1	2,26	Viton O-Rings

5mm Rotors & Caps for Varian MAS Probes (Jakobsen style) | Product Group B

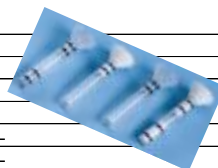
Article Number	Quantity/Unit Each	Price	Description
WP-501-5225	1	462,28	Zirconia MAS Rotor; max. speed 13kHz
	5	456,64	
	10+	451,00	
JK-601-5225	1	191,68	Kel-F Caps with 2 O-Rings
	5+	180,40	
JK-603-5225	1	191,68	Torlon Caps with 2 O-Rings
	5+	180,40	
JK-603-5225-WH	1	214,23	Torlon Caps with 2 O-Rings and an axial hole for venting, 5 minimum order
JK-603-5225-O	1	2,26	Viton O-Rings

7mm Rotors & Caps for Varian MAS Probes (Jakobsen style) | Product Group B

Article Number	Quantity/Unit Each	Price	Description
WP-501-7225	1	462,28	Zirconia MAS Rotor; max speed 7kHz
	5	456,64	
	10+	451,00	
JK-601-7225	1	191,68	Kel-F Caps with 2 O-Rings
	5	180,40	
JK-603-7225	1	191,68	Torlon Caps with 2 O-Rings
	5	180,40	
JK-603-7225-WH	1	202,95	Torlon Caps with 2 O-Rings and an axial hole for venting, 5 minimum order
JK-603-7225-O	1	2,26	O-Ring for 7mm Caps, Viton O-Rings

High Resolution Rotors for the Varian Nano Probes (excluding gHx) | Product Group B

Article Number	Quantity/Unit Each	Price	Description
WP-502-4225/C	1	135,30	Pyrex with bottom
WP-502-4225/O	1	135,30	Pyrex without bottom
WP-502-4226	1	383,35	Zirconia without bottom
WP-7021-4225/110	1	236,78	Pyrex with bottom and Kel-F Cap 110µL
WP-7021-4225/40	1	259,33	Pyrex with Kel-F Cap and Bottom Plug 40µL
WP-7021-4225/60	1	259,33	Pyrex with Kel-F Cap and Bottom Plug 60µL
WP-7021-4226/40	1	484,83	Zirconia with Kel-F Cap and Bottom Plug 40µL
WP-7021-4226/60	1	484,83	Zirconia with Kel-F Cap and Bottom Plug 60µL
WP-7024-4225/110	1	225,50	Pyrex with bottom and Ertalyte Cap 110µL
WP-7024-4225/40	1	259,33	Pyrex with Ertalyte Cap and Bottom Plug 40µL
WP-7024-4225/60	1	259,33	Pyrex with Ertalyte Cap and Bottom Plug 60µL
JK-601-4225FT	1	28,19	Cap Tool

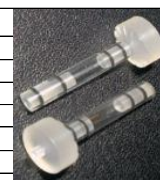


High Resolution Rotors for the Varian Nano Probes (excluding gHx) | Product Group B

Article Number	Quantity/Unit Each	Price	Description
JK-601-4225/40	1	90,20	Kel-F Cap 40µL
JK-601-4225	1	90,20	Kel-F Cap 60µL and 110µL
JK-601-4225P/40	1	50,74	Bottom Plug Kel-F 40µL
JK-601-4225P/60	1	50,74	Bottom Plug Kel-F 60µL
JK-604-4225/40	1	78,93	Cap Ertalyte (PET) 40µL
JK-604-4225	1	78,93	Ertalyte (PET) Cap 60µL and 110µL
JK-604-4225P/40	1	28,19	Bottom Plug Ertalyte 40µL
JK-604-4225P/60	1	28,19	Bottom Plug Ertalyte 60µL

High Resolution Rotors for the Varian gHx Nano Probes | Product Group B

Article Number	Quantity/Unit Each	Price	Description
WP-502-4225/C	1	135,30	Pyrex with bottom
WP-502-4225/O	1	135,30	Pyrex without bottom
WP-502-4226 NEW!	1	383,35	Zirconia without bottom
WP-7021-4225F/110	1	304,43	Pyrex with bottom and Kel-F Cap 110µL
WP-7021-4225F/40	1	338,25	Pyrex with Kel-Cap and Bottom Plug 40µL
WP-7021-4225F/60	1	338,25	Pyrex with Kel-Cap and Bottom Plug 60µL
WP-7021-4226F/40 NEW!	1	484,83	Zirconia with Kel-Cap and Bottom Plug 40µL
WP-7021-4226F/60 NEW!	1	484,83	Zirconia with Kel-Cap and Bottom Plug 60µL












High Resolution Rotors for the Varian gHx Nano Probes | Product Group B







Article Number	Quantity/Unit Each	Price	Description
JK-601-4225F/40	1	191,68	Kel-F Cap 40µL
JK-601-4225F	1	191,68	Kel-F Cap 60µL and 110µL
JK-601-4225FP/40	1	45,10	Bottom Plug Kel-F 40µL
JK-601-4225FP/60	1	45,10	Bottom Plug Kel-F 60µL

Spinner Turbines & Accessories

Spinner Turbines for Bruker NMR Systems, 100MHz to 1.2 GHz | Product Group A

Article Number	Quantity/Unit Each	Price	Description
B-PEEK-10 	1	250,00	10mm Spinner Turbine for Bruker Systems, VT; (-150 °C to +200 °C), ca. 13 g
	10+	240,00	
STB-10 	1	100,00	10mm Spinner Turbine for Bruker Systems, RT; New Design ca. 13g
	10+	95,00	
STB-3 NEW! 	1	160,00	3mm Spinner Turbine for Bruker Systems, RT; new 4 O ring Design, ca. 15 g
	10+	150,00	
STB-5 	1	105,00	5mm Spinner Turbine for Bruker Systems, RT; new 4 O ring Design, ca. 13 g
	10+	100,00	
STB-5-Colour NEW! 	1	125,00	5mm Spinner Turbine for Bruker Systems, RT; new 4 O ring Design, ca. 13 g, white top finger for faster dirt recognition; Avail. colours besides the stand. White: Black, Red, Yellow, Green & Blue
	10+	120,00	
B-KEL-F-3 NEW! 	1	340,00	3mm HEAVY Spinner Turbine Kel-F for Bruker Systems, Limited VT (-20 °C to +120 °C); new 4 O ring design, ca. 23g
	10	330,00	
B-PEEK-3 NEW!	1	260,00	3mm Spinner Turbine PEEK for Bruker Systems, VT (-150 °C to +200 °C); new 4 O ring design, ca. 13g (Does not break as quickly as a Ceramic Spinner when dropped!)
	5+	250,00	
	10+	240,00	
B-PEEK-5 	1	260,00	5mm Spinner Turbine PEEK for Bruker Systems, VT (-150 °C to +200 °C); new 4 O ring design, ca. 13g (Does not break as quickly as a Ceramic Spinner when dropped!)
	5+	250,00	
	10+	240,00	
B-PEEK-3-NS 	1	280,00	3mm Spinner Turbine PEEK for Bruker Systems, VT (-150 °C to +200 °C); with exchangeable PEEK Fingers, 3mm; ca. 13g, optimised for non-spinning operation.
	5+	275,00	
	10+	270,00	
B-PEEK-5-NS 	1	280,00	5mm Spinner Turbine PEEK for Bruker Systems, VT (-150 °C to +200 °C); with exchangeable PEEK Fingers, 5mm; ca. 13g, optimised for non-spinning operation.
	5+	275,00	
	10+	270,00	

Spinner Turbines for Varian NMR Systems | Product Group A

Article Number	Quantity/Unit Each	Price	Description
V-GFK-10 / O	1	214,23	10mm Spinner Turbine for Agilent (Varian) Systems, Original, VT (-150 °C to + 200 °C)
	10+	202,95	
V-PEEK-10	1	225,50	10mm Spinner Turbine for Agilent (Varian) Systems, PEEK, VT (-150 °C to + 200 °C)
	10+	214,23	
V-PEEK-8	1	225,50	8mm Spinner Turbine for Agilent (Varian) Systems, PEEK, VT (-150 °C to + 200 °C)
	10+	214,23	
STV-10	1	169,13	8mm Spinner Turbine for Agilent (Varian) Systems, RT
	10+	157,85	
STV-8	1	169,13	8mm Spinner Turbine for Agilent (Varian) Systems, RT
	10+	157,85	
STV-5 	1	169,13	5mm Spinner Turbine for Varian Systems, RT
	5+	163,49	
	10+	157,85	
	30+	152,22	
V-PEEK-5 	1	236,78	5mm Spinner Turbine PEEK for Varian Systems, VT (-150 °C to + 200 °C)
	5+	231,14	
	10+	225,50	
STV-3-NS 	1	202,95	3mm Spinner Turbine POM for Varian Systems, RT with exchangeable Finger, 3mm plus Mass Multiplier Ring
	5+	197,32	
	10+	191,68	
STV-5-NS 	1	202,95	5mm Spinner Turbine POM for Varian Systems, RT with exchangeable Finger, 5mm plus Mass Multiplier Ring
	5+	197,32	
	10+	191,68	
V-PEEK-3-NS 	1	259,33	3mm Spinner Turbine PEEK for Varian Systems, -150°C + 200 °C with exchangeable PEEK Fingers, 3mm plus Mass Multiplier Ring, optimised for non-spinning operation. Also available for 4mm.
	5+	253,69	
	10+	248,05	
V-PEEK-5-NS 	1	259,33	5mm Spinner Turbine PEEK for Varian Systems, -150°C + 200 °C with exchangeable PEEK Fingers, 5mm plus Mass Multiplier Ring, optimised for non-spinning operation. Also available for 4mm.
	5+	253,69	
	10+	248,05	

Accessories for all Spinner Turbines | Product Group A

Article Number	Quantity/Unit Each	Price	Description
UNI-FINGER-POM-3	1	33,83	3mm POM Finger for B-PEEK-X-NS / V-PEEK-X-NS with 2 O-Rings, RT
	10+	28,19	
UNI-FINGER-POM-4	1	33,83	4mm POM Finger for B-PEEK-X-NS / V-PEEK-X-NS with 2 O-Rings, RT
	10+	28,19	
UNI-FINGER-POM-5	1	33,83	5mm POM Finger for B-PEEK-X-NS / V-PEEK-X-NS with 2 O-Rings, RT
	10+	28,19	
UNI-FINGER-PEEK-3	1	39,47	3mm PEEK Finger for B-PEEK-X-NS / V-PEEK-X-NS with 2 O-Rings, VT
	10+	33,83	
UNI-FINGER-PEEK-4	1	39,47	4mm PEEK Finger for B-PEEK-X-NS / V-PEEK-X-NS with 2 O-Rings,VT
	10+	33,83	
UNI-FINGER-PEEK-5	1	39,47	5mm PEEK Finger for B-PEEK-X-NS / V-PEEK-X-NS with 2 O-Rings, VT
	10+	33,83	
UNI-MASSMULTI	1	45,10	Mass Multiplier Ring PEEK for all 5mm Bruker or Varian -NS Style Spinner Turbines with one or two O-Rings on the top; ca. 10g
	10+	39,47	
UNI-MM-10	1	16,92	Mass Multiplier Ring for all 10 mm Bruker Spinner Turbines with one large external O-Ring on the top; ca. 10g
	10+	14,66	
STB-5-O-RING	1	1,69	O-Ring for STB-5 / STV3-NS / STV5-NS (black, RT)
	10+	1,46	
O-RING-8-3-RED	1	2,49	O-Ring for B-PEEK-5 / UNI-FINGER (Red, VT)
	10+	2,26	
STB-10-O-RING	1	1,69	O-Ring for STB-10 (Black, RT) -50°→+130° C
	10+	1,46	
B-PEEK-10-O/RING	1	2,49	O-Ring for B-PEEK-10 (Red, VT)
	10+	2,26	
STV-5-O-RING	1	2,49	O-Ring for STV-5 / V-PEEK-5 / GFK-5 (Red, VT) -55°→+200° C
	10+	2,26	
STB-5-TACHO	1	2,26	Tacho-Strips for STB-5
	10+	2,04	
STV-5-TACHO	1	2,26	Tacho-Strips for STV-5
	10+	2,04	
B-PEEK-TACHO	1	2,26	Tacho-Strips for B-PEEK
	10+	2,04	

Inserts for Spinner Turbines | Product Group A

Article Number	Quantity/Unit Each	Price	Description
WP-INS-1.7	1	84,57	Insert for Spinner Turbines for 1,7mm Capillaries, also available in PEEK as a special
	5+	78,93	
WP-INS-2.0	1	84,57	Insert for Spinner Turbines for 2,0mm Capillaries
	5+	78,93	
WP-INS-2.5	1	84,57	Insert for Spinner Turbines for 2,5mm Capillaries
	5+	78,93	
WP-INS-3.0	1	84,57	Insert for Spinner Turbines for 3,0mm Capillaries
	5+	78,93	

Complete Kit for small sample investigation | Product Group A

Article Number	Quantity/Unit Each	Price	Description
B-GFK-Kit / V-GFK-Kit	1	845,63	Complete Kit including the following items:
B-PEEK-10 / V-GFK-10	1		10mm Spinner Turbine VT, either for Bruker or Varian NMR Systems
WP-INS-1.7	1		Insert for Spinner Turbine for 1,7mm Capillaries
WP-INS-2.0	1		Insert for Spinner Turbine for 2,0mm Capillaries
WP-INS-2.5	1		Insert for Spinner Turbine for 2,5mm Capillaries
WP-INS-3.0	1		Insert for Spinner Turbine for 3,0mm Capillaries
WG-1364-1.7-125	1		1.7mm OD Pyrex NMR Capillaries 125mm, pack of 10
WG-1364-2.0-125	1		2.0mm OD Pyrex NMR Capillaries 125mm, pack of 10
WG-1364-2.5-125	1		2.5mm OD Pyrex NMR Capillaries 125mm, pack of 10
305-PS-125	2		3mm OD Pyrex NMR Tubes 125mm long
513-3-PP-OB	2		10mm Pyrex NMR Tube (open both ends)
DC-501	1		Single-use Syringe 1ml, Pack of 10
DC-502	1		Single-use Needle 0,6x30mm, Pack of 10
DC-503	1		PTFE Tubing 0,7x125mm, Pack of 10



Quartz glass Inserts for Bruker Probes | Product Group B

Article Number	Quantity/Unit Each	Price	Description
DC-402	1	109,00	5mm Quartz glass Insert for newer Probes (5.575 x 6.1 x 64mm)
DC-403	1	109,00	5mm Quartz glass Insert for Dual-Flow Probes (5.575 x 6.1 x 54.5mm)



SHIGEMI NMR Tubes

SHIGEMI TUBE SET for Acetone-D6

Article Number	Quantity/Unit Each	Price	Description
AMS-0025	1	180,00	2,5mm Shigemii TUBE SET for Acetone-D6 for BRUKER Outer OD 2.5mm, Insert OD 1.8mm, Insert length 115mm, Outer length 120mm, 6mm Bottom length
AMS-003	1	150,00	3mm Shigemii TUBE SET for Acetone-D6 for every System Outer OD 3.0mm, Insert OD 2.4mm, Insert length 190mm, Outer length 180mm, 10mm Bottom length
AMS-005B	1	150,00	5mm Shigemii TUBE SET for Acetone-D6 for BRUKER Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 8mm Bottom length
AMS-005J	1	150,00	5mm Shigemii TUBE SET for Acetone-D6 for JOEL Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 12mm Bottom length
AMS-005V	1	150,00	5mm Shigemii TUBE SET for Acetone-D6 for VARIAN Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 15mm Bottom length
AMS-008BJ	1	400,00	8mm Shigemii TUBE SET for Acetone-D6 for BRUKER and JOEL Outer OD 8.0mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
AMS-008V	1	400,00	8mm Shigemii TUBE SET for Acetone-D6 for VARIAN Outer OD 8.0mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length
AMS-010BJ	1	450,00	10mm Shigemii TUBE SET for Acetone-D6 for BRUKER and JOEL Outer OD 10.0mm, Insert OD 8.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
AMS-010V	1	450,00	10mm Shigemii TUBE SET for Acetone-D6 for VARIAN Outer OD 10.0mm, Insert OD 8.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length

SHIGEMI TUBE SET for D2O

Article Number	Quantity/Unit Each	Price	Description
BMS-0025	1	180,00	2,5mm Shigemii TUBE SET for D2O for BRUKER Outer OD 2.5mm, Insert OD 1.8mm, Insert length 115mm, Outer length 120mm, 6mm Bottom length
BMS-003	1	150,00	3mm Shigemii TUBE SET for D2O for every System Outer OD 3mm, Insert OD 2.4mm, Insert length 190mm, Outer length 180mm, 10mm Bottom length
BMS-004B	1	150,00	4mm Shigemii TUBE SET for D2O for BRUKER Outer OD 4mm, Insert OD 3.1mm, Insert length 190mm, Outer length 180mm, 8mm Bottom length
BMS-004J	1	150,00	4mm Shigemii TUBE SET for D2O for JEOL Outer OD 4mm, Insert OD 3.1mm, Insert length 190mm, Outer length 180mm, 12mm Bottom length
BMS-004V	1	135,00	4mm Shigemii TUBE SET for D2O for VARIAN Outer OD 4mm, Insert OD 3.1mm, Insert length 190mm, Outer length 180mm, 15mm Bottom length
BMS-005B	1	120,00	5mm Shigemii TUBE SET for D2O for BRUKER Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 8mm Bottom length
BMS-005J	1	135,00	5mm Shigemii TUBE SET for D2O for JEOL Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 12mm Bottom length
BMS-005V	1	135,00	5mm Shigemii TUBE SET for D2O for VARIAN Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 15mm Bottom length
BMS-008BJ	1	400,00	8mm Shigemii TUBE SET for D2O for BRUKER and JOEL Outer OD 8mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
BMS-008V	1	400,00	8mm Shigemii TUBE SET for D2O for VARIAN Outer OD 8mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length
BMS-010BJ	1	425,00	10mm Shigemii TUBE SET for D2O for BRUKER and JOEL Outer OD 10mm, Insert OD 8.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
BMS-010V	1	475,00	10mm Shigemii TUBE SET for D2O for VARIAN Outer OD 10mm, Insert OD 8.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length
BMS-005TB	1	165,00	5mm Shigemii Thin Wall TUBE SET ID 4.52mm for D2O for BRUKER Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 8mm Bottom length
BMS-005TJ	1	165,00	5mm Shigemii Thin Wall ID 4.52mm TUBE SET for D2O for JOEL Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 12mm Bottom length
BMS-008TV	1	375,00	8mm Shigemii Thin Wall TUBE SET ID 7.5mm for D2O for VARIAN Outer OD 8mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length
BMS-008TB	1	375,00	8mm Shigemii Thin Wall TUBE SET ID 7.5mm for D2O for BRUKER Outer OD 8mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length

!!SOME NEW TUBES!!

SHIGEMI TUBE SET for CDCI3

Article Number	Quantity/Unit Each	Price	Description
CMS-0025	1	180,00	2,5mm Shigemii TUBE SET for CDCI3 for BRUKER Outer OD 2.5mm, Insert OD 1.8mm, Insert length 115mm, Outer length 120mm, 6mm Bottom length
CMS-003	1	135,00	3mm Shigemii TUBE SET for CDCI3 for every System Outer OD 3.0mm, Insert OD 2.4mm, Insert length 190mm, Outer length 180mm, 10mm Bottom length
CMS-005B	1	120,00	5mm Shigemii TUBE SET for CDCI3 for BRUKER Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 8mm Bottom length
CMS-005J	1	135,00	5mm Shigemii TUBE SET for CDCI3 for JOEL Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 12mm Bottom length
CMS-005V	1	135,00	5mm Shigemii TUBE SET for CDCI3 for VARIAN Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 15mm Bottom length
CMS-008BJ	1	400,00	8mm Shigemii TUBE SET for CDCI3 for BRUKER and JOEL Outer OD 8.0mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
CMS-008V	1	400,00	8mm Shigemii TUBE SET for CDCI3 for VARIAN Outer OD 8.0mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length
CMS-010BJ	1	450,00	10mm Shigemii TUBE SET for CDCI3 for BRUKER and JOEL Outer OD 10.0mm, Insert OD 8.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
CMS-010V	1	475,00	10mm Shigemii TUBE SET for CDCI3 for VARIAN Outer OD 10.0mm, Insert OD 8.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length
CMS-005TB	1	165,00	5mm Shigemii Thin Wall TUBE SET ID 4.52mm for CDCI3 for BRUKER Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 8mm Bottom length
CMS-005TJ	1	165,00	5mm Shigemii Thin Wall ID 4.52mm TUBE SET for CDCI3 for JOEL Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 12mm Bottom length
CMS-005TV	1	165,00	5mm Shigemii Thin Wall ID 4.52mm TUBE SET for CDCI3 for VARIAN Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 15mm Bottom length
CMS-008TB	1	375,00	8mm Shigemii Thin Wall TUBE SET ID 7.5mm for D2O for BRUKER Outer OD 8mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
BMS-008TV	1	375,00	8mm Shigemii Thin Wall TUBE SET ID 7.5mm for D2O for VARIAN Outer OD 8mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length

!!!SOME NEW TUBES!!!

SHIGEMI TUBE SET for DMSO-D6

Article Number	Quantity/Unit Each	Price	Description
DMS-0025	1	180,00	2,5mm Shigemii TUBE SET for DMSO-D6 for BRUKER Outer OD 2.5mm, Insert OD 1.8mm, Insert length 115mm, Outer length 120mm, 6mm Bottom length
DMS-003	1	165,00	3mm Shigemii TUBE SET for DMSO-D6 for every System Outer OD 3.0mm, Insert OD 2.4mm, Insert length 190mm, Outer length 180mm, 10mm Bottom length
DMS-005B	1	130,00	5mm Shigemii TUBE SET for DMSO-D6 for BRUKER Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 8mm Bottom length
DMS-005J	1	150,00	5mm Shigemii TUBE SET for DMSO-D6 for JOEL Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 12mm Bottom length
DMS-005V	1	150,00	5mm Shigemii TUBE SET for DMSO-D6 for VARIAN Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 15mm Bottom length
DMS-008BJ	1	400,00	8mm Shigemii TUBE SET for DMSO-D6 for BRUKER and JOEL Outer OD 8.0mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
DMS-008V	1	400,00	8mm Shigemii TUBE SET for DMSO-D6 for VARIAN Outer OD 8.0mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length
DMS-010BJ	1	440,00	10mm Shigemii TUBE SET for DMSO-D6 for BRUKER and JOEL Outer OD 10.0mm, Insert OD 8.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
DMS-010V	1	475,00	10mm Shigemii TUBE SET for DMSO-D6 for VARIAN Outer OD 10.0mm, Insert OD 8.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length
DMS-005TB	1	180,00	5mm Shigemii Thin Wall TUBE SET ID 4.52mm for DMSO-D6 for BRUKER Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 8mm Bottom length
DMS-005TJ	1	180,00	5mm Shigemii Thin Wall ID 4.52mm TUBE SET for DMSO-D6 for JOEL Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 12mm Bottom length
DMS-005TV	1	180,00	5mm Shigemii Thin Wall ID 4.52mm TUBE SET for DMSO-D6 for VARIAN Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 15mm Bottom length
DMS-008TB	1	400,00	8mm Shigemii Thin Wall TUBE SET ID 7.5mm for D2O for BRUKER Outer OD 8mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
DMS-008TV	1	400,00	8mm Shigemii Thin Wall TUBE SET ID 7.5mm for D2O for VARIAN Outer OD 8mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length

!!!SOME NEW TUBES!!!

SHIGEMI TUBE SET for Methanol-D4

Article Number	Quantity/Unit Each	Price	Description
MMS-0025	1	180,00	2,5mm Shigemii TUBE SET for Methanol-D4 for BRUKER Outer OD 2.5mm, Insert OD 1.8mm, Insert length 115mm, Outer length 120mm, 6mm Bottom length
MMS-003	1	165,00	3mm Shigemii TUBE SET for Methanol-D4 for every System Outer OD 3.0mm, Insert OD 2.4mm, Insert length 190mm, Outer length 180mm, 10mm Bottom length
MDMS-005B	1	130,00	5mm Shigemii TUBE SET for Methanol-D4 for BRUKER Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 8mm Bottom length
MMS-005J	1	150,00	5mm Shigemii TUBE SET for Methanol-D4 for JOEL Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 12mm Bottom length
MMS-005V	1	150,00	5mm Shigemii TUBE SET for Methanol-D4 for VARIAN Outer OD 5.0mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 15mm Bottom length
MMS-008BJ	1	420,00	8mm Shigemii TUBE SET for Methanol-D4 for BRUKER and JOEL Outer OD 8.0mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
MMS-008V	1	420,00	8mm Shigemii TUBE SET for Methanol-D4 for VARIAN Outer OD 8.0mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length
MMS-010BJ	1	440,00	10mm Shigemii TUBE SET for Methanol-D4 for BRUKER and JOEL Outer OD 10.0mm, Insert OD 8.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
MMS-010V	1	475,00	10mm Shigemii TUBE SET for Methanol-D4 for VARIAN Outer OD 10.0mm, Insert OD 8.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length
MMS-005TB	1	180,00	5mm Shigemii Thin Wall TUBE SET ID 4.52mm for Methanol-D4 for BRUKER Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 8mm Bottom length
MMS-005TJ	1	180,00	5mm Shigemii Thin Wall ID 4.52mm TUBE SET for Methanol-D4 for JOEL Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 12mm Bottom length
MMS-005TV	1	180,00	5mm Shigemii Thin Wall ID 4.52mm TUBE SET for Methanol-D4 for VARIAN Outer OD 5mm, Insert OD 4.1mm, Insert length 190mm, Outer length 180mm, 15mm Bottom length
MMS-008TB	1	400,00	8mm Shigemii Thin Wall TUBE SET ID 7.5mm for D2O for BRUKER Outer OD 8mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 10mm Bottom length
MMS-008TV	1	400,00	8mm Shigemii Thin Wall TUBE SET ID 7.5mm for D2O for VARIAN Outer OD 8mm, Insert OD 6.9mm, Insert length 200mm, Outer length 190mm, 15mm Bottom length

!!SOME NEW TUBES!!

Explosion Protection for Glass / Sapphire / Ceramic NMR Tubes | Product Group A

Article Number	Quantity/Unit Each	Price	Description
RS-EXPL-PROTECT NEW!	1	500,00	Explosion protection for NMR Tubes which have any gas present in excess of 500 Bar For Bruker systems with integrated Optic Sensor and all Varian/Agilent NMR systems up to 500 Bar



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E&OE (Errors and Omissions Excluded).

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