

Materials List for:

High-Sensitivity Nuclear Magnetic Resonance at Giga-Pascal Pressures: A New Tool for Probing Electronic and Chemical Properties of Condensed Matter under Extreme Conditions

Thomas Meier¹, Jürgen Haase¹

¹Faculty of Physics and Earth Sciences, University of Leipzig

Correspondence to: Thomas Meier at thomas.meier@physik.uni-leipzig.de

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Materials

Name	Company	Catalog Number	Comments
Titanium grade 23	robemetall GmbH	ASTM F 136	
Beryllium copper foil	GoodFellow	CU070501	Alloy 25 (C17200)
Copper wire for micro-coil	Polyfil		quote on inquiry
Stycast 1266	Sil-Mid Ltd.	S1266001KG	
Moissanite anvils	Charles & Colvard		quote on inquiry
Paraffin oil (pressure medium)	Sigma Aldrich	18512-1L	
M4 Allen countersunk screws (Ti64)	Der Schraubenladen	DIN912 M4x20	
Optiprex PLS	Almax-easylab		quote on inquiry
Ruby spheres (~10-50 µm)	DiamondAnvils.com	P00996	
Manual Toggle Press	DiamondAnvils.com	A87000	
Gasket Thickness Micrometer	DiamondAnvils.com	A86000	
Titanium Scalpel	Newmatic Medical	NM45200710421	
Glass-writing Diamond	Plano	54467	
Smoothing Awls	Flume	1 4444 001	
Chuck-jaws (4 jaws)	Flume	4 561 289	
Lathe	Flume	4 560 023	
Drilling Machine	Flume	4 570 020	
Drill chuck	Flume	4 570 021	
XY stage	Flume	4 570 022	
Drills (0.30 to 0.50 mm)	Flume	4 572 652 – 654	
Low Temperature Varnish	SCBshop	SCBItv03	