Characterisation of the Material and Mechanical Properties of Atomic Force Microscope Cantilevers with a Plan-View Trapezoidal Geometry

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Table S1. Default or nominal values for the cantilever types FastScan A, B and C provided by Bruker. These can be accessed on the following websites.

FastScan A - https://www.brukerafmprobes.com/Product.aspx?ProductID=3759
FastScan B- https://www.brukerafmprobes.com/Product.aspx?ProductID=3760
FastScan C - https://www.brukerafmprobes.com/Product.aspx?ProductID=3761

Cantilever Type	Default Spring Constant,*k*. (N/m)	Default Width, w_0 (μm)	*Default Length from Base to Tip, L_{tip} (μm)	Default Thickness, t (μm)	Derived *K* Correction Factors	Calculated Thickness, t, using Equation 6 (μm)
FastScan A	18	33	22	0.58	1.22	0.54
FastScan B	1.8	33	25	0.30	1.28	0.29
FastScan C	0.8	40	37	0.30	1.31	0.31

* The values for L_{tip} are determined from the default values for cantilever length minus the default value for the distance the tip is set-back from the end of the cantilever which is 5 μm for each cantilever type.