

Blue line

Ultimate precision. For automated AFM systems.

EBD-16™

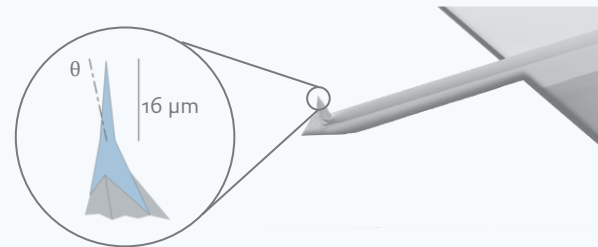
Provided with
TrueDimensions™
Online access to key probe
parameters for every
individual tip



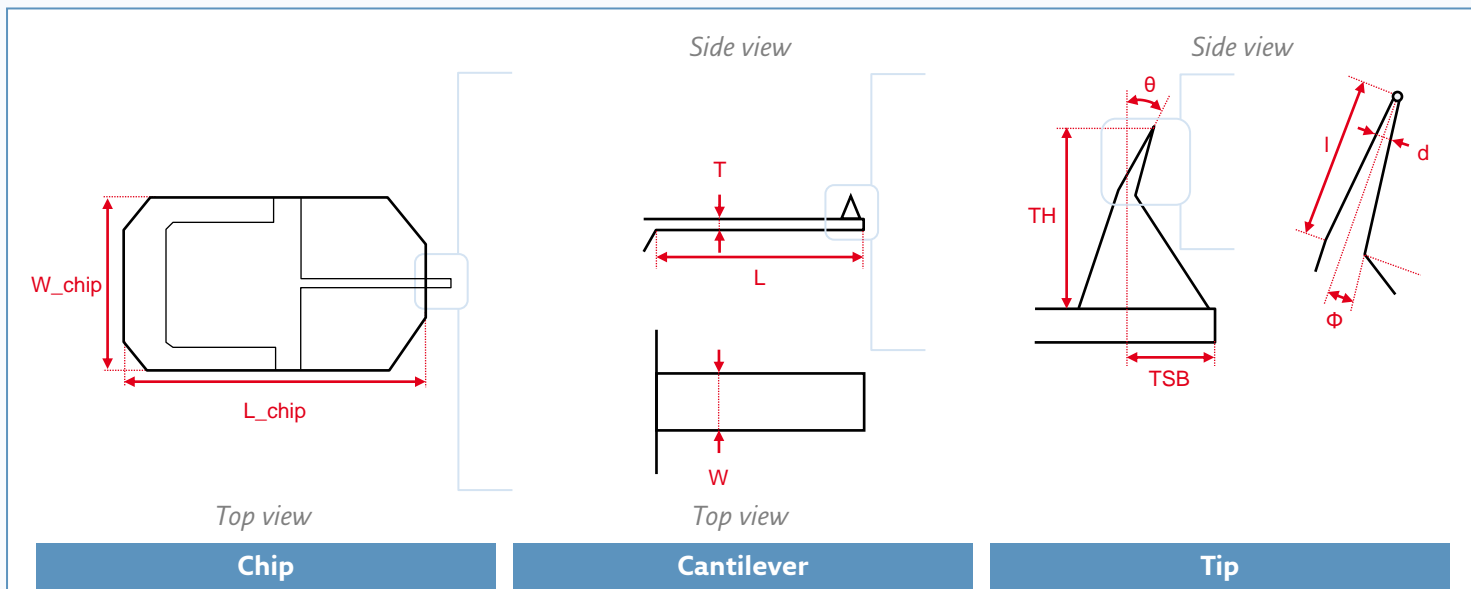
EBD-16™

Part number	NT_EBD16_v0010	
Tip		
Material	HDC/DLC	
Shape	conical	
Length / l	16 μm	(> 16 μm)
Width / d	n/a	
Half cone angle / φ	n/a	
Tilt compensation [1] / θ	13°	(±1°)
Total tip height / TH	26 μm	(26-30 μm)
Tip set back / TSB	15 μm	(±10 μm)
Cantilever		
Material	Si	
Shape	NT-RTESPA	
Length / L	120 μm	(±5 μm)
Width / W	30 μm	(±2 μm)
Thickness / T	4.4 μm	(±0.5 μm)
Force constant [2] / k	40 N/m	(±20 N/m)
Resonance frequency [2] / f	320 kHz	(±50 kHz)
Tip side coating	none	
Back side coating	reflex	
Chip		
Length / L_chip	3400 μm	
Width / W_chip	1600 μm	
Thickness / T_chip	315 μm	

- Consistent length
- Controlled orientation
- Carbon durability



[1] Also available with 12° and 3° tilt compensation upon request.
[2] Resonance frequency f extracted from LDV measurements; cantilever stiffness k calculated from the (measured) cantilever geometry.
Actual values of >90% of all probes are guaranteed to be within the specified range. | n/a: specification not applicable for this product.



For more information, visit
www.nanotools.com

nanotools GmbH
Tölzer Straße 2f
D-81379 Munich
Phone +49 (0)89 12 11 38-0
info@nanotools.com



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Precise | Durable | Consistent