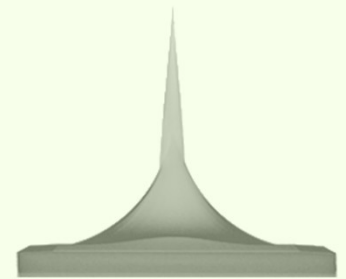
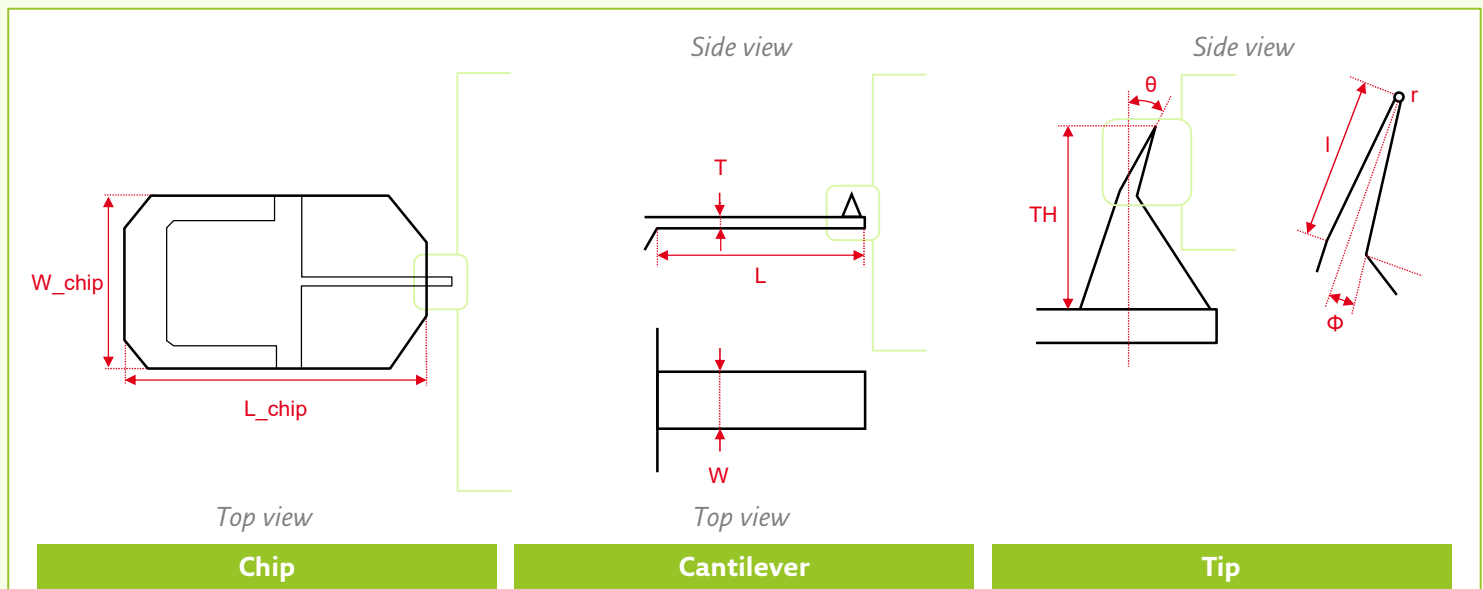


	biotool cell	biotool high resolution	biotool cell XXL
Part number	NT_biotool_v0010	NT_biotool_v0020	NT_biotool_v0030
Tip			
Material	HDC/DLC	HDC/DLC	HDC/DLC
Length / l	n/a	200 nm	15 μm
Half cone angle / Φ	n/a	n/a	6°
Sharpness / r	25 nm	2 nm	25 nm
Tilt compensation / θ	n/a	n/a	12°
Total tip height / TH	7 μm	7 μm	15 μm
Cantilever			
Material	Quartz	Quartz	Quartz
Shape	Rectangular	Rectangular	Rectangular
Length / L	60 μm	60 μm	60 μm
Width / W	25 μm	25 μm	25 μm
Thickness / T	0.4 μm	0.4 μm	0.4 μm
Force constant / k	0.1 N/m	0.1 N/m	0.1 N/m
Resonance frequency / f	50 kHz	50 kHz	50 kHz
Tip side coating	none	none	none
Back side coating	Gold reflex	Gold reflex	Gold reflex
Chip			
Length / L_chip	3400 μm	3400 μm	3400 μm
Width / W_chip	1600 μm	1600 μm	1600 μm
Thickness / T_chip	315 μm	315 μm	315 μm
Alignment grooves	yes	yes	yes

- Up to 15 μm carbon
- Gentle 25 nm tip apex or 2 nm for high resolution
- Soft cantilever



n/a: specification not applicable for this product



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