

Wilson Benesch
TESSELLATE Ti-B Boron Cartridge Specification



PHYSICAL	
Hybrid Cantilever	Boron cantilever with a U.D. carbon fibre damping ring
Stylus	Elliptical
Stylus Tip Radius	5x150uM
VTA	20-degrees
Coil	Pure Iron Square Coil
Weight	17.1g
Cartridge Body & Headshell	SLS 3D additively manufactured titanium structure, with tessellated semi-open geometry
Finish Options	Standard Matt Titanium or upgraded Polished Silver, Polished Gold (finish purely aesthetic, it has no performance difference)
ELECTRICAL	
Output Voltage	0.32mV @ 3.54CM/S
Internal Impedance	6 Ohms
Frequency Response	20-25,000Hz +/- 2dB
Channel Separation	Better than 30dB at 1KHz
Channel Balance	Better than 0.5dB
DYNAMIC	
Tracking ability at 315Hz at optimum tracking force	70uM
Dynamic Compliance	12uM/mN
SETUP INSTRUCTION	
Recommended Loading	200-470 Ohms
Recommended Tracking Force	1.1-1.4g
Optimum Tracking Force	1.35g
Recommended Tonearm Mass	Medium
Optimum Working Temperature	23 Centigrade
Break-In Period	30-hours

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TESSELLATE Ti-S Sapphire Cartridge Specification



PHYSICAL	
Hybrid Cantilever	Sapphire cantilever with a U.D. carbon fibre damping ring
Stylus	Micro Ridge
Stylus Tip Radius	3x80uM
VTA	20-degrees
Coil	Pure Iron Square Coil
Weight	17.1g
Cartridge Body & Headshell	SLS 3D additively manufactured titanium structure, with tessellated semi-open geometry
Finish Options	Standard Matt Titanium or upgraded Polished Silver, Polished Gold (finish purely aesthetic, it has no performance difference)
ELECTRICAL	
Output Voltage	0.35mV @ 3.54CM/S
Internal Impedance	6 Ohms
Frequency Response	20-30,000Hz +/- 1dB
Channel Separation	Better than 35dB at 1KHz
Channel Balance	Better than 0.5dB
DYNAMIC	
Tracking ability at 315Hz at optimum tracking force	80uM
Dynamic Compliance	15uM/mN
SETUP INSTRUCTION	
Recommended Loading	100-330 Ohms
Recommended Tracking Force	1.0-1.4g
Optimum Tracking Force	1.35g
Recommended Tonearm Mass	Medium
Optimum Working Temperature	23 Centigrade
Break-In Period	30-hours

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TESSELLATE Ti-D Diamond Cartridge Specification



PHYSICAL	
Hybrid Cantilever	Diamond cantilever with a U.D. carbon fibre damping ring
Stylus	Micro Ridge
Stylus Tip Radius	3x80uM
VTA	20-degrees
Coil	Pure Iron Square Coil
Weight	17.1g
Cartridge Body & Headshell	SLS 3D additively manufactured titanium structure, with tessellated semi-open geometry
Finish Options	Standard Matt Titanium or upgraded Polished Silver, Polished Gold (finish purely aesthetic, it has no performance difference)
ELECTRICAL	
Output Voltage	0.35mV @ 3.54CM/S
Internal Impedance	6 Ohms
Frequency Response	20-32,000Hz +/- 1dB
Channel Separation	Better than 35dB at 1KHz
Channel Balance	Better than 0.5dB
DYNAMIC	
Tracking ability at 315Hz at optimum tracking force	85uM
Dynamic Compliance	15uM/mN
SETUP INSTRUCTION	
Recommended Loading	100-330 Ohms
Recommended Tracking Force	1.0-1.4g
Optimum Tracking Force	1.3g
Recommended Tonearm Mass	Medium
Optimum Working Temperature	23 Centigrade
Break-In Period	30-hours