

# DV - KARAT 17DX

## Low Output MC cartridge with Diamond Cantilever

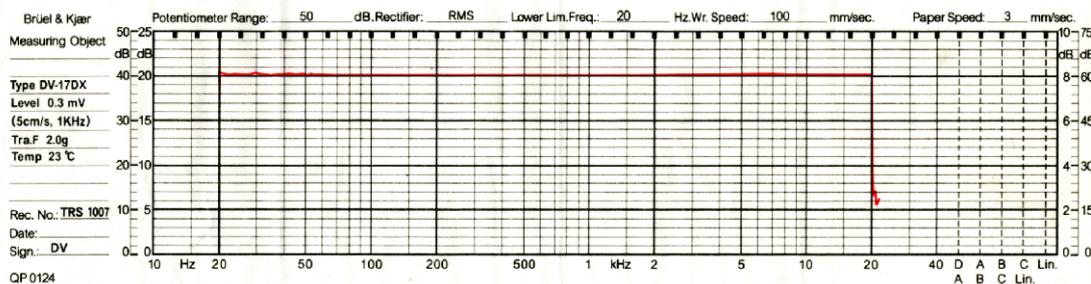
### Description

The new 17DX Karat Diamond is the first cartridge built using 'dispersion' theory. Its Micro-Ridge stylus and very short (1.7mm) solid diamond cantilever give a huge reduction in 'frequency dispersion', unmatched dynamics and a high frequency extension all the way up to 100kHz. As in the past the frequency response of the Karat 17DX at 20 to 20,000 Hz is perfectly flat. This means that tracing performance has high accurate and smoothy sound on high frequency range.

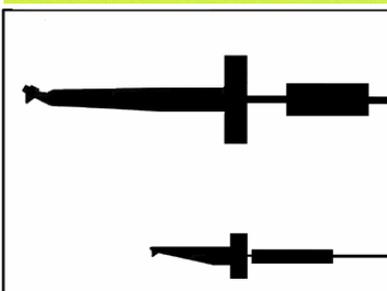
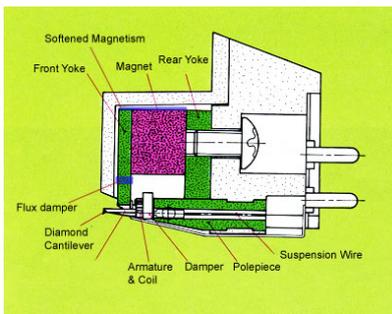
### Features and Improvements

KARAT 17DX is developed while paying attention to main body material. As a result of trying to listening test of some prototype by using another material, we decide to use a machined brass. It makes the excellent frequency characteristics of the KARAT series further leap forward, high frequency range is improved without harshness.

Furthermore, by changing the conventional neodymium magnet to a samarium-cobalt magnet with low magnetic resistance, we can realize a clear sound field reproduction with fast sound rise and high resolution.



Karat 17DX showed a ruler flat response from 100 Hz to 30kHz of under  $\pm 0.5$  dB



1.7mm length Diamond cantilever is much smaller than conventional cantilever

### SPECIFICATIONS

Type	Low output moving coil cartridge with flux damper and softened magnetism
Output Voltage	0.3mV (at 1KHz, 5cm/sec.)
Channel Separation	25 dB (at 1KHz)
Channel balance	1.0 dB (at 1KHz)
Frequency response	20 - 20,000Hz ( $\pm 1$ dB), 20 - 100,000Hz
Compliance	15 mm/N
Tracking force	1.8 - 2.0g
DC resistance	R=38 ohms
Recommended load impedance	>100 ohms
Cantilever	1.7mm length, 0.25mm dia solid diamond
Stylus	Micro-Ridge
Weight	11.0 g

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