

# VNL

Moving Magnet Cartridge



## THE ORTOFON VNL – IN VINYL WE TRUST






### ORTOFON NEW DJ CARTRIDGE FOR SKILLED DJs

Even before the launch of the Concorde MkII, we have always studied the feedback of our customers and how they utilize our products. Skilled DJs demand specialized tools that can help them push their creativity to the edge – consistently testing the boundaries in the

realm of performance. Understanding this and reflecting our extensive experience in industrial design and technological know-how, we present the Ortofon VNL cartridge – a model tailored uniquely to the unrelenting demands of modern turntablists and portablists.

### THE NEW VNL FEATURES

-  Ultimate resistance to hardcore scratching and back spinning
-  DVS High tracking performance for both DVS usage and real vinyl
-  Optimal balance of output and of sound quality

### IMPROVEMENTS

**Technological improvements** have been applied for the benefits of all users:

- Ultrasonic welding of the components ensures high rigidity and freedom from resonances.
- Robotic assembly of stylus assembly offers high precision and uniformity of industrial production.

### EXCLUSIVE FEATURES

The VNL features a spherical stylus which is perfect for tough groove handling. Furthermore, it reduces record wear when scratching and back-cueing to an absolute minimum.

The broad stance of the VNL features solid and robust design elements characteristic to Ortofon, with colors meticulously selected to emphasize sturdiness and DJ aesthetics. The cartridge body has been designed to provide easy mounting and alignment on a variety of headshells. The VNL provides excellent compatibility when used in an assortment of playback systems, ensuring it stays in the groove under the most demanding conditions.



### ORTOFON SIGNATURE

To match the multiple applications of modern DJs, we've launched the VNL Introduction Package, including 3 different styli with suspension types of varying feel and rigidity. DJs can easily identify which stylus type best suits their individual DJ style and enables their absolute best performance capability.



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## TECHNICAL DATA

Output voltage at 1,000 Hz, 5 cm/sec.	6 mV	6 mV	6 mV
Channel separation 1 kHz	20 dB	20 dB	20 dB
Frequency Response	20 Hz – 20 kHz -2/+4 dB	20 Hz – 20 kHz -2/+4 dB	20 Hz – 20 kHz -2/+4 dB
Tracking ability at 315 Hz at recommended tracking force	100 $\mu$ m	90 $\mu$ m	90 $\mu$ m
Compliance, dynamic lateral	16 $\mu$ m/mN	15 $\mu$ m/mN	14 $\mu$ m/mN
Stylus type	Spherical R 18 $\mu$ m	Spherical R 18 $\mu$ m	Spherical R 18 $\mu$ m
Tracking force range	3 – 5 g	3 – 5 g	3 – 5 g
Tracking force recommended	4 g	4 g	4 g
Internal impedance, DC resistance	700 Ohm	700 Ohm	700 Ohm
Internal inductance	450 mH	450 mH	450 mH
Recommended load resistance	47 kOhm	47 kOhm	47 kOhm
Recommended load capacitance	200 – 600 pF	200 – 600 pF	200 – 600 pF
Cartridge weight including extra weight	6.5 g	6.5 g	6.5 g