

Jewel®



229950

All personnel shall be grounded or equipotentially bonded according to the requirements below when handling ESDS [ESD sensitive items]. When personnel are seated at ESD protective workstations, they shall be connected to ground via a wrist strap system." [EN 61340-5-1 Edition 1 2007-08 clause 5.3.2 Personnel grounding]

"The operator shall wear the wrist strap in the normal position and plug the free end of the cord into the test apparatus. The hand contact plate shall be pressed to verify that the wrist strap system resistance is within acceptable parameters. The test apparatus can be an integrated, commercially available tester or other Instrumentation that is capable of measuring resistance from 5,0x10E4 ohms to at least 1,0x10E8 ohms. The tester open-circuit voltage is typically between 9 V d.c. and 100 V d.c." [EN 61340-5-1 Edition 1.0 2007-08 Annex A Test method A.1 Measurement method for wrist strap testing]

"Where continuous monitoring is used, no additional testing is required." [EN 61340-4-1, per A.5.2]

"The wrist band will normally be worn for several hours at a time so it needs to be comfortable while making good contact with the skin. It is a good idea to check the wrist strap every time it is applied. Constant on line monitors can be used so that any breaks will be immediately found." [EN 61340-5-2 section 5.2.7]

Improve wrist strap contact with our [229630](#) Reztore™ ESD Hand Lotion.

* U.S. Patents 6,052,053 and 6,205,408

Design to meet Wrist Strap requirements of EN 61340-5-1 tested per ANSI/ESD S1.1 and EN 61340-5-1 clause A.1 test method. Dual Wire Wrist Strap provides redundancy; even if one dual wire wrist strap conductor is severed, operator has reliable path-to-ground with other wire.

- Used with resistive loop technology continuous monitor, continuously verifies the proper resistance to ground of the operator
- Black ABS plastic cap.
- 300 series stainless steel backplate (0.015" thick). Manufacturing date code is stamped into stainless steel back plate.
- 4mm snaps are machined to precision profile from 300 series stainless steel for a consistent and reliable connection.
- Premium metal expansion band. Inside links are constructed of 300 Series Stainless Steel. Width of links is 0.630".
- .002" polyphenylsulfone sheet is laminated to each link before assembly. Provides >5,000 volt RMS insulation per ASTM D149. Will not flake or peel.
- Patented* dual wire technology
- Superior warranty - See details of 1 year Limited Warranty at <http://www.vermason.co.uk/LimitedJewelWarranty.aspx>
- Superior quality product Made in America at our Chino CA facility
- UL listed

Use patented* Dual Wire Wrist Strap with Vermason Dual Wire Continuous Monitor, 3M monitors, or other brands which use 3.5 mm mono plug.

Item	Description
229948	Jewel® Dual Metal Wristband, Onyx, 4 mm snap, Small
229947	Jewel® Dual Metal Wristband, Onyx, 4 mm snap, Medium
229946	Jewel® Dual Metal Wristband, Onyx, 4 mm snap, Large
229951	Jewel® Dual Metal Wrist Strap, Onyx, 1.8m Angle Cord, 4 mm snap, Small
229950	Jewel® Dual Metal Wrist Strap, Onyx, 1.8m Angle Cord, 4 mm snap, Medium
229949	Jewel® Dual Metal Wrist Strap, Onyx, 1.8m Angle Cord, 4 mm snap, Large
229954	Jewel® Dual Metal Wrist Strap, Onyx, 3.65m Angle Cord, 4 mm snap, Small
229953	Jewel® Dual Metal Wrist Strap, Onyx, 3.65m Angle Cord, 4 mm snap, Medium
229952	Jewel® Dual Metal Wrist Strap, Onyx, 3.65m Angle Cord, 4 mm snap, Large

See drawing [229943](#) for details on the Jewel® coil cords.

Thermoplastic elastomer strain relief molded on. Flex life average >11,700,000 cycles (per ESD S1.1 Bending Life Test, greatly exceeding the 16,000 average cycle requirement). Break load average 30 pounds. Meets ESD S1.1 breakaway force requirement >1 pound <five pound

Unless otherwise noted, tolerance ± 10%

Specifications and procedures subject to change without notice.

Vermason

Jewel® Premium Metal Expansion, Wrist Strap, Dual Wire

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