

Jewel®



Banana Plug

60654

Magnetic Socket

Wristband Circumference - 2.5" - 14"

"The primary means of grounding personnel shall normally be by a wrist strap connected to an EBP [Earth Bonding Point]." "The wrist strap shall consist of a band that fits snugly around the wrist and a cord to connect the band to an EBP. The wrist strap shall incorporate a quick release connection. The cord shall have a termination compatible with the EBP and shall incorporate at least one insulated current-limiting resistor. The total resistance from hand to EBP shall be in accordance with table 1 [Rg 7.5 x 10E5 to 3.5 x 10E7 ohms]." (EN 61340-5-1 clause 5.5 and 5.2.7)

"The term 'wrist strap' describes the combination of the wrist band, which should fit around the wrist making good skin contact, and the wrist cord which bonds the wearer to an earth bonding point. 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.

As a safety feature, the ground cord should release with a force of between 5 N and 25 N, preferably at the wrist band end." (EN 61340-5-2 paragraph 5.2.7 Wrist strap)

"Wrist straps shall be checked before use. Each check shall be made with the wrist band worn in contact with the wearer's skin and with the ground cord attached to the appropriate tester." (EN 61340 5 1 paragraph 9.6 Daily checks)

- **Revolutionary magnetic interconnect technology**  
Creates magnetic connection between wristband and coil cord; meets ANSI/ESD S20.20 and ESD S1.1, including disengagement force test (1-5 lbs). More consistent disengagement force than standard 4mm designs.
- **More reliable design**  
MagSnap revolutionary design provides consistent retention and release performance.
- **Durable, lightweight fabric**  
Some users prefer the softness, comfort and flexibility of this material
- **Has silver impregnated polypropylene knitted on inside for superior conductivity**  
Reliably removes generated static charges
- **Made with pure silver irreversibly bound to fibers providing both antimicrobial and anti-odor performance.**
- **Adjustable**  
Only one item to stock; may be fitted to almost all people
- **Locking clasp**  
Protects wearers from electrical hazards; provides many years of product life
- **Medical grade 300 series stainless steel used for all metal parts**  
Eliminates allergic skin reaction for most people
- **Non-shedding, non-sloughing band material**  
Safe for microelectronics
- **UL Listed**

Note: This product is not recommended for use on equipment with operating voltage exceeding 250 VAC.

CAUTION: The ESD Series is for electrostatic control. It will not reduce or increase your risk of receiving electric shock when using or working on electrical equipment. Follow the same precautions you would use without wrist straps, including:

- Make certain that equipment having a grounding type plug is properly grounded.
- Make certain that you are not in contact with grounded objects other than through the ESD Series.
- **Date coded**  
Providing lot tractability to ensure quality control
- **Superior resistor connection strain relief**  
Superior reliability. Greatly exceeds ESD S1.1 Bending Life Test. Tested at over 1,000,000 cycles vs. the 16,000 requirement
- **Covered by one or more of the following patents:**  
Wristband: 4,662,695 Coil Cord: 5,951,337
- **Superior warranty**  
See details of 1 year Limited Warranty at [www.charleswater.co.uk/LimitedWarranty.aspx](http://www.charleswater.co.uk/LimitedWarranty.aspx)
- **Made in America**

ITEM	DESCRIPTION
<a href="#">60653</a>	Jewel® MagSnap Adjustable Elastic Wristband
<a href="#">60654</a>	Jewel® MagSnap Adjustable Elastic Wrist Strap with 1.8m Coil Cord
<a href="#">60655</a>	Jewel® MagSnap Adjustable Elastic Wrist Strap with 3.65m Coil Cord

See Drawing [60650.E](#) for details on Jewel® MagSnap Coil Cords

Improve wrist strap contact with Reztore™ ESD Hand Lotion.



Made in America



## Jewel® MagSnap Adjustable Elastic Wrist Strap

CHARLESWATER LTD.  
UNIT 17. MILLBROOK BUSINESS PARK, SYBRON WAY  
CROWBOROUGH, EAST SUSSEX TN6 3JZ UNITED KINGDOM  
PHONE: 00 44 (0) 1892-665313  
INTERNET: [Charleswater.co.uk](http://Charleswater.co.uk)

**Drawing Number**  
60653.E

**DATE:**  
August 2008