



4mm Stud

10mm Stud

- A. Fixed black glass-filled nylon cap with slotted opening to allow size adjustment.
- B. 300 Series Stainless Steel Backplate forms channel to hold up to 10 links of band allowing size adjustment.
- C. Snap studs are machined from 300 series stainless steel.
- D. 4mm snap stud fits to 4mm spring loaded medical type socket.
- E. 10mm snap stud fits to 10mm spring loaded medical type socket.
- F. Premium adjustable metal expansion wristband. Inside links are constructed of 300 Series Stainless Steel. Width of links is 16mm.
- G. 0.05mm polyphenylsulfone sheet is laminated to each link. Provides >5,000 volt RMS insulation per ASTM D149. Scratch resistant.
- H. Size is adjusted by sliding 1 to 10 links of the band into the backplate "C" channel.
- I. 300 Series Stainless Steel clip for electrical contact between snap stud and backplate.
- J. Underwriters Laboratory listing 90P1C.

Designed to satisfy wrist strap requirements of EN 61340-5-1.

Meets ESD S1.1 cuff resistance interior = 100 kilohms (1×10^2 ohms)

Meets ESD S1.1 cuff resistance exterior = 10 megohms (1×10^7 ohms)

"All personnel shall be grounded or equipotentially bonded according to the requirements below when handling ESDS. When personnel are seated at ESD protective workstations, they shall be connected to ground via a wrist strap system."
[EN 61340-5-1 Clause 5.3.3 Personnel grounding]

"A wrist strap system consists of three elements: the person, the wrist cord and a wrist band. To ensure that the resistance to ground of personnel is within the specifications, it is important to measure the entire system (i.e. from the person's body to the end of the ground cord)."

"Wrist straps typically consist of a wrist band which makes contact with the wearer's skin. The wrist band is then attached to a grounding cord which is connected to the ESD ground reference."

"The wrist band is a flexible, form-fitting device designed to make a reliable continuous connection to a person's wrist."

[CLC TR 61340-5-2 User guide Wrist Strap Clauses 4.5.2, 4.7.2.2, and 4.7.2.2.1]

Item	Description	Circumference (fully expanded)
229615	Adjustable Metal Wristband, 4mm Stud	195mm to 245mm
229610	Adjustable Metal Wristband, 4mm Stud, XL	225mm to 280mm
229620	Adjustable Metal Wristband, 10mm Stud	195mm to 245mm
229605	Adjustable Metal Wristband, 10mm Stud, XL	225mm to 280mm
229625	Service Engineer's Wrist Strap (229620 + 230175)	195mm to 245mm



Made in the United States of America

Unless otherwise noted, tolerance $\pm 10\%$

Specifications and procedures subject to change without notice.

Adjustable Metal Wristband

DESCO EUROPE

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Drawing Number
229615

DATE:
January
2018



230115

Description

- 2.5mm polyurethane insulation
- Conductor is high strength 7-end duplex tinsel for strength and flexibility
- 1 megohm resistor built into each 10mm socket (unless otherwise specified)
- 4mm banana plug does not contain resistor
- Colours: black or yellow
- Dielectric strength: cords withstand 1250 volts DC for at least one minute

Item	Description
230115	1m Coiled Cord, 10mm Socket, 1 meg resistor / 4mm Plug, Black
230175	2m Coiled Cord, 10mm Socket, 1 meg resistor / 4mm Plug, Black
230205	2m Coiled Cord, 10mm Socket, 1 meg resistor / 4mm Plug, Yellow
230305	3m Coiled Cord, 10mm Socket, no resistor / 4mm Plug, Black

"All personnel shall be grounded or equipotentially bonded according to the requirements below when handling ESDs. When personnel are seated at ESD protective workstations, they shall be connected to ground via a wrist strap system."

[EN 61340-5-1 Clause 5.3.3 Personnel grounding]

"The ground cord is a wire assembly that connects the wrist band to ground or to a common connection point. It usually consists of an insulated wire with a connector head that attaches to the band on one end and a termination device on the other end for connecting to ground. Ground cords usually contain a current-limiting resistor at the band-connecting end. Any electrical connector that can be attached to ground is acceptable as long as it is mechanically durable. The preferred grounding point for the groundable end of the cord is a point connected to ground or to a common connection point."

[CLC TR 61340-5-2 User guide Clause 4.7.2.2.2 Wrist strap ground cord]

Unless otherwise noted, tolerance $\pm 10\%$

Specifications and procedures subject to change without notice.



Made in the
United Kingdom

Coiled Cords, 10mm Socket, 4mm Plug

DESCO EUROPE

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