



# DESCO EUROPE

## DESCO EUROPE WRISTBAND SELECTION CHART

SINGLE-WIRE					DUAL-WIRE				
	Elastic			Metal	Elastic	Thermo-plastic	Metal		
Wristbands	Adjustable Wristband	Anti-Allergenic Adjustable Wristband	Adjustable Jewel® Wristband	Adjustable Wristband	SCS Adjustable Wristband	SCS Adjustable Wristband	Jewel Wristband	MagSnap 360™ Wristband	SCS Wristband
<b>Band Material</b>	Elasticated fabric with conductive fibres on inside	Polyester with conductive fibre on inside	Textured polyester, lycra spandex and silver plated conductive polypropylene yarn	Expandable metal	Elastic nylon	Thermoplastic elastomer; copolyester	Expandable metal	Expandable metal	Stainless Steel
<b>Snap/Plug Size</b>	4 mm Stud 10 mm Stud	4 mm Stud 10 mm Stud	4 mm Stud 10 mm Stud	4 mm Stud 10 mm Stud	3.4 mm Plug	3.4 mm Plug	2 x 4 mm Stud	MagSnap	3.4 mm Plug
<b>Closure Type</b>	Friction-grip	Cam-lock	Cam-lock	N/A	Cam-lock	"Zipper" style latching mechanism	N/A	N/A	N/A
<b>Other Feature</b>	Anti-allergenic	Anti-allergenic	Replaceable fabric band	Improved durability	Comfortable, durable	Light weight, low profile	Comfortable, durable	360 degree rotation	Long wearing, easy to clean
<b>Colour</b>	Yellow, red, light blue, dark blue	Light blue	Sapphire	Black	Light blue	Blue	Black	Black	Black/Grey
<b>Part Numbers</b>	4 mm: <a href="#">229700</a> <a href="#">229705</a> <a href="#">229710</a> <a href="#">229720</a> <a href="#">229730</a>  10 mm: <a href="#">229740</a> <a href="#">229745</a> <a href="#">229750</a> <a href="#">229755</a> <a href="#">229760</a> <a href="#">229765</a> <a href="#">229770</a>	4 mm: <a href="#">229601</a>  10 mm: <a href="#">229600</a>	4 mm: <a href="#">60000</a>  10 mm: <a href="#">60001</a>	4 mm: <a href="#">229610</a> <a href="#">229615</a>  10 mm: <a href="#">229605</a> <a href="#">229620</a>	<a href="#">2368</a>	<a href="#">4720</a>	Small: <a href="#">60712</a>  Medium: <a href="#">60713</a>  Large: <a href="#">60714</a>	<a href="#">60692</a>	Small: <a href="#">2384</a>  Medium: <a href="#">2385</a>  Large: <a href="#">2386</a>
<b>Made In</b>	United Kingdom	Taiwan	United States of America	United States of America	United States of America	United States of America	United States of America	United States of America	United States of America
<b>Value</b>	Better	Good	Good	Better	Better	Good	Best	Best	Best

## Desco Europe Wristbands



### Environmental Type

Wristband	Field Service	Standard Industrial	Critical
Metal	X	X	X
Elastic	X	X	
Disposable	X	X (visitors)	



Per EN 61340-5-2: *“The protection of ESDs is accomplished by providing a ground path to bring ESD protective materials and personnel to the same electrical potential. All conductor and dissipative items in the environment, including personnel, shall be bonded or electrically connected to a known ground or common connection point. This connection results in a sharing of charge which equalizes the voltage across all items and personnel and eliminates the chances of an ESD event to ESD sensitive devices.”*  
 [CLC/TR 61340-5-2 clause 4.4.1 Introduction]

Per CLC/TR 61340-5-2 clause 4.5.2: *“A wrist strap system consists of three elements: the person, the wrist code and a wrist band.”*

Paragraph 4.5.2 also states that *“A wrist strap assembly is the most commonly used means of grounding personnel. A wrist strap is required in IEC 61340-5-1 for operations where the individual is seated while handling or processing ESD sensitive items or components.”*

However, the safety of users is paramount and wristbands and other grounding devices should not be used if there is possible exposure to electrical voltages in excess of 250 V a.c. 500 V d.c.

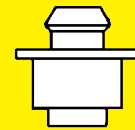
*“Wrist strap ground cords shall be connected to a groundable point or an equipotential bonding point. Do not connect to a snap on a dissipative mat unless it is the groundable point for the mat. Do not clip a wrist strap to the edge of a dissipative mat.”* [CLC/TR 61340-5-2 clause 4.7.2.6 Wrist Straps Summary]

Per CLC/TR 61340-5-2 clause 4.7.2.4: *“Because wrist straps do not last forever, they should be tested periodically.”*

*“While wearing the wrist strap, connect the loose end of the cord to the tester terminal and depress the test button or touch the metal test surface with a finger or hand. If the resistance is over  $3,5 \times 10^7 \Omega$ , test the cord alone continuity. If the resistance of the cord alone is approximately  $1,0 \times 10^6 \Omega$ , check the fit of the band around the wrist and adjust it for a snug fit. Snap the cord back on the cuff and retest.*

*If the resistance is still over  $3,5 \times 10^7 \Omega$ , substitute a new band. If the resistance is still too high, dry skin might be the problem. Dry skin conditions can be resolved by applying moisturizing lotion on the wrist and repeating the resistance test again.”*

[CLC/TR 61340-5-2 clause 4.7.2.4.4 Test procedure]



For reliable circuit connections Desco Europe offers 4mm solid stainless steel snap studs.

- Desco Europe also offers snap studs with a 10mm stud
- Both the 4mm and 10mm studs are compatible with spring sockets used by most major brands
- Our 4mm solid machined studs are durable, providing long life well beyond that of sheet metal snaps
- Corrosion resistant material maintains attractive finish
- Fits all standard cords

#### RoHS 2, REACH and Conflict Minerals Statement

See [RoHS, REACH and Conflict Minerals Statement](#) at DescoEurope.com.

#### Limited Warranty:

See Desco Europe's [Limited Warranty](#) at DescoEurope.com.