

# DESCO INDUSTRIES INCORPORATED

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## QUALIFICATION REPORT – ANSI/ESD S20.20

### DESCO DUAL-WIRE ADJUSTABLE ELASTIC WRIST STRAP

ANSI/ESD S20.20	DESCO Test Results	Test Methods
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Resistance (ohms), N=6 specimens, 10V-100V

<b>Wrist Strap (Band and Cord)</b>	$0.8 \times 10^6$ to $1.2 \times 10^6$	See Table 1	ANSI/ESD S1.1 (Section 6.1)
<b>Wristband Interior</b>	$< 1.0 \times 10^5$	See Table 1	ANSI/ESD S1.1 (Section 6.2)
<b>Wristband Exterior</b>	$> 1.0 \times 10^7$	See Table 1	ANSI/ESD S1.1 (Section 6.2)
<b>Wrist Strap System</b>	$< 3.5 \times 10^7$	See Table 1	ANSI/ESD S1.1 (Section 6.10)

#### Test Data:

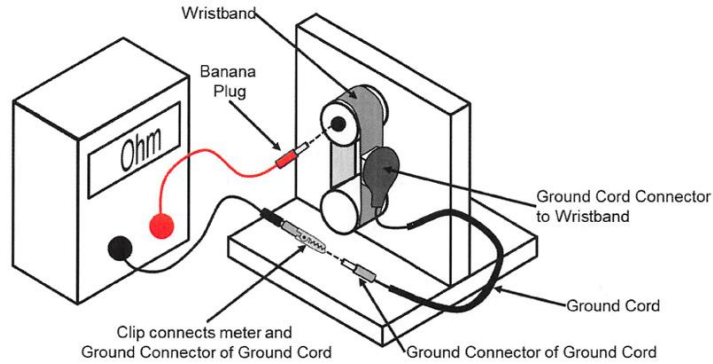
Table 1 – Resistance (ohms)

	Sample #1	Sample #2	Sample #3	Sample #4	Sample #5	Sample #6
<b>Wrist Strap</b> ANSI/ESD S1.1 – Figure 2	$1.0 \times 10^6$	$1.0 \times 10^6$	$1.0 \times 10^6$	$1.0 \times 10^6$	$1.0 \times 10^6$	$1.0 \times 10^6$
<b>Wristband Interior</b> ANSI/ESD S1.1 – Figure 4	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$
<b>Wristband Exterior</b> ANSI/ESD S1.1 – Figure 4	$1.0 \times 10^{10}$	$1.27 \times 10^{10}$	$1.43 \times 10^{10}$	$1.67 \times 10^{10}$	$1.83 \times 10^{10}$	$1.34 \times 10^{10}$
<b>Wrist Strap System</b> ANSI/ESD S1.1 – Figure 8	$4.4 \times 10^5$	$0.85 \times 10^5$	$1.18 \times 10^6$	$1.37 \times 10^6$	$1.23 \times 10^6$	$1.59 \times 10^6$

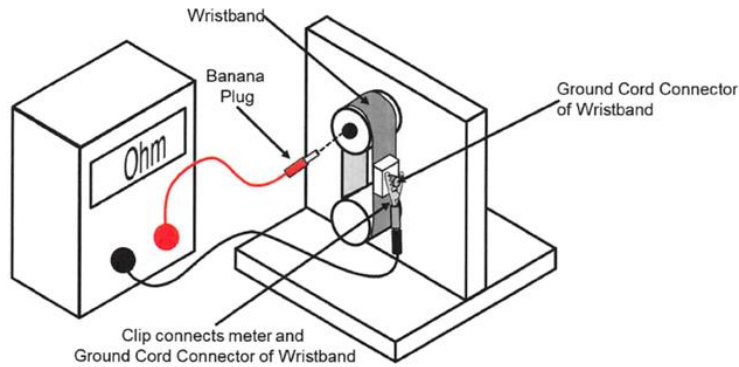
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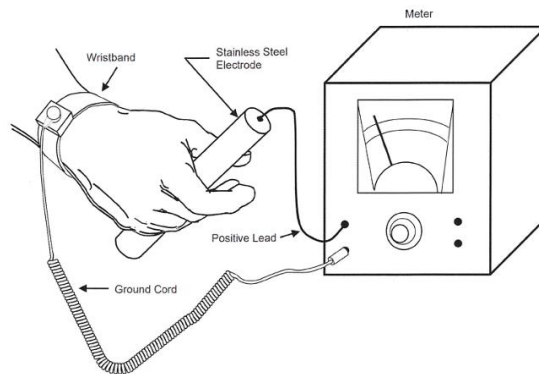
## References:



**ANSI/ESD S1.1 – Figure 2: Set-up for Wrist Strap Resistance Test**



**ANSI/ESD S1.1 – Figure 4: Set-up for Wristband Resistance Test**



**ANSI/ESD S1.1– Figure 8: Wrist Strap System Resistance Test**