

# DESCO INDUSTRIES INCORPORATED

## QUALIFICATION REPORT – ANSI/ESD S20.20

### DESCO PREMIUM METAL EXPANSION WRISTBAND

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 x 10 <sup>6</sup> to 1.2 x 10 <sup>6</sup>	See Table 1	ANSI/ESD S1.1 (Section 6.1)
<b>Wristband Interior</b>	< 1.0 x 10 <sup>5</sup>	See Table 1	ANSI/ESD S1.1 (Section 6.2)
<b>Wristband Exterior</b>	> 1.0 x 10 <sup>7</sup>	See Table 1	ANSI/ESD S1.1 (Section 6.2)
<b>Wrist Strap System</b>	< 3.5 x 10 <sup>7</sup>	See Table 1	ANSI/ESD S1.1 (Section 6.10)

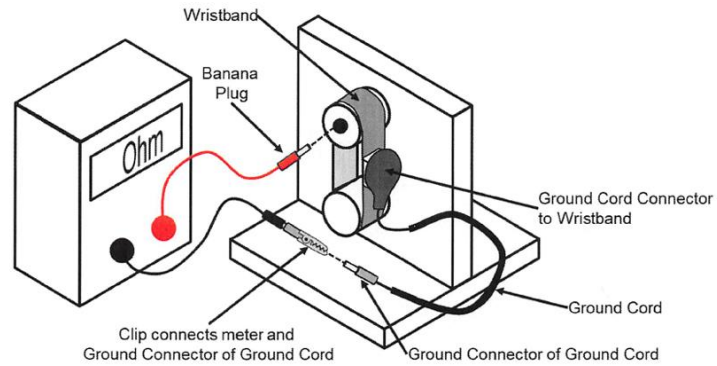
#### Test Data:

Table 1 – Resistance (ohms)

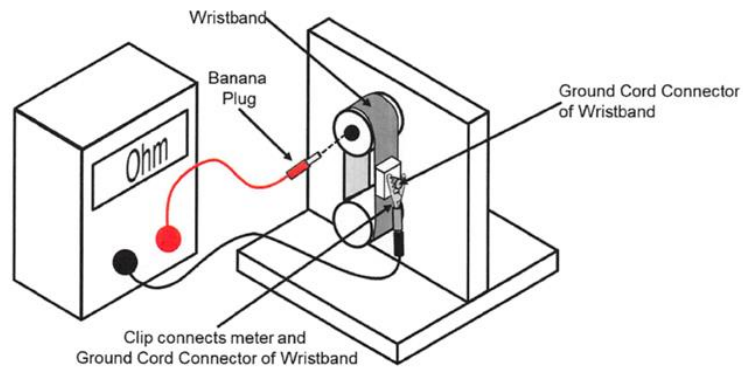
	Sample #1	Sample #2	Sample #3	Sample #4	Sample #5	Sample #6
<b>Wrist Strap</b> ANSI/ESD S1.1 – Figure 2	9.73 x 10 <sup>5</sup>	9.43 x 10 <sup>5</sup>	9.53 x 10 <sup>5</sup>	9.53 x 10 <sup>5</sup>	9.86 x 10 <sup>5</sup>	9.60 x 10 <sup>5</sup>
<b>Wristband Interior</b> ANSI/ESD S1.1 – Figure 4	<1.0 x 10 <sup>3</sup>	<1.0 x 10 <sup>3</sup>	<1.0 x 10 <sup>3</sup>	<1.0 x 10 <sup>3</sup>	<1.0 x 10 <sup>3</sup>	<1.0 x 10 <sup>3</sup>
<b>Wristband Exterior</b> ANSI/ESD S1.1 – Figure 4	3.59 x 10 <sup>10</sup>	2.37 x 10 <sup>10</sup>	2.05 x 10 <sup>10</sup>	3.11 x 10 <sup>10</sup>	4.26 x 10 <sup>10</sup>	6.87 x 10 <sup>10</sup>
<b>Wrist Strap System</b> ANSI/ESD S1.1 – Figure 8	1.22 x 10 <sup>6</sup>	1.24 x 10 <sup>6</sup>	1.21 x 10 <sup>6</sup>	1.24 x 10 <sup>6</sup>	1.22 x 10 <sup>6</sup>	1.25 x 10 <sup>6</sup>

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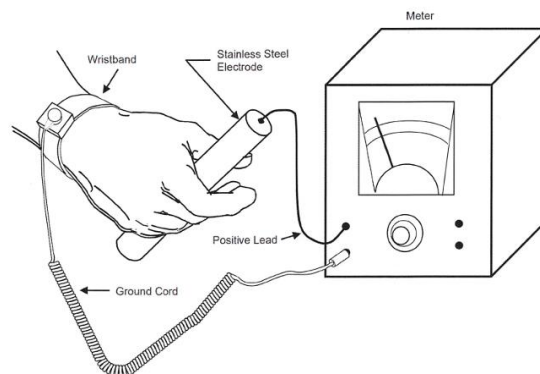
## References:



**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**