



Next Generation Z-Band® Direct

Direct thermal printable wristband

Description:

White, direct thermal polypropylene wristbands, featuring our new permanent acrylic adhesive tab closure design. With tamper-evident slits and a patent-pending silver, antimicrobial coating, Zebra's *Next Generation Z-Band Direct* bar code printable wristbands are the simplest way to improve patient safety.

Suggested Applications

- Safe, secure, positive patient ID for hospitals
- Event admissions- sports, concerts, festivals etc.
- Water and amusement park admissions
- Cruise ships and resorts- cash free transactions

Key features and benefits

Ease of use, ribbon-less printing. Quick and easy to print and secure.

Adult, child and neo-natal sizes available.

Adult size bands with pre-printed red stripes.

Patent pending anti-microbial coating, which new test results show, prevents the growth and survival of Methicillin-resistant *Staphylococcus aureus* (MRSA) Type II, Type III and Type IV in addition to *S. aureus*, *P. aeruginosa* and *E. coli*

Meets healthcare patient identification and safety requirements, removes risk of data left on ribbons.

Increased durability. The *Next Generation Z-Band Direct* wristbands provide superior image durability and tensile strength.

Excellent print quality down to 5 mil narrow bar codes.

Secure closure with tamper-evident slits and high performance acrylic adhesive. Bands cannot be removed and reapplied.

Latex-free, waterproof and resistant to smear, abrasion, alcohol, mild cleansers and more.



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Technical Specifications

	Description	Caliper
Facestock	direct thermal polypropylene film	152 microns

Recommended Storage Conditions: 6 months duration when stored between 0°C and 21°C at 35% to 50% RH

Recommended Zebra printers: desktop, mid-range and high-performance

Minimum Application Temperature: NA

Service Temperature Range: -40°C to 60°C

Expected Exterior Life: Short term use only

Recommended Darkness and Print Speed Settings

- **ZPL Printers** Darkness: 22 Print Speed: 2ips
- **EPL Printers** Darkness: 13 Print Speed: 2ips

Applications with Chemicals

	Weak					Moderate				Harsh			Extreme				
	Blood	Body Fluid	Salt Water	Water	Window Cleaner	Alcohol	Ammonia	Bleach	IPA	Gasoline	Grease	Oil	Acetone	IR Reflow	MEK	TCE	Xylene
DT	X	X	X	X		X			X								

X indicates acceptable chemical resistance

Next Generation Z-Band Direct Performance and Durability

Abrasion Test: Exceeds 1500 rubs using Crockmeter with heavy arm and crocking cloth

Heat Resistance: Human readable information still legible after 1 hour 90C

Water: Withstands total immersion in 40°C water for up to 6 hours

IPA: Withstands 50 rubs with cotton applicator (91% IPA)
Withstands 50 rubs with cotton applicator (70% IPA)



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Z-Band Direct					
	Part Number	Size	Core	Max. Roll OD	Quantity per roll
Adult	10005008	1" x 11" (25.4mm x 279.4mm)	25.4mm	127mm	200
Adult	10004443-1	1" x 11" (25.4mm x 279.4mm) With red stripes	25.4mm	127mm	200
Child	10003852	1" x 7" (25.4mm x 177.8mm)	25.4mm	127mm	300
Neonatal	10003853	1" x 6" (25.4mm x 152.4mm)	25.4mm	127mm	350
Adult	10005007	1" x 11" (25.4mm x 279.4mm)	76.2mm	200mm	450
Adult	S66593-1	1" x 11" (25.4mm x 279.4mm)	25.4mm		50
Adult	S66593-1RED	1" x 11" (25.4mm x 279.4mm) With red stripes	25.4mm		50

NOTE: All of the above wristband products have a black sensing mark and require a printer equipped with black mark sensing.

Product Performance and Suitability

All information on this document is to be used for guidance only and is not to be used for setting specifications. All purchasers of Zebra products shall be responsible for independently determining if the product conforms to all requirements of the application.

For testing of this product, please contact your Supplies representative.