Rifle Turret Tape

HARDWARE & LABEL PRINTER RECOMMENDATION GUIDE

Continuous Strip Formats
9mm • 12mm • 18mm • 24mm

Top Recommendation: Brother P-Touch Series with Laminated TZe Tape

For precision rifle turret wraps, **Brother P-Touch printers utilizing genuine TZe laminated tape** are the proven gold standard across competitive PRS / NRL shooting and hunting. The thermal-transfer print is encapsulated beneath an ultra-tough, clear laminate barrier that withstands severe rifle recoil, rain, harsh UV exposure, and gun-cleaning solvents.

1 RECOMMENDED PRINTERS BY CATEGORY

TOP PICK • BEST OVERALL & MOBILE

Brother P-Touch CUBE Plus (PT-P710BT)

Connectivity:	Bluetooth & USB (iOS / Android)
Tape Widths:	Up to 24mm (6, 9, 12, 18, 24mm)
Power Source:	Built-in Rechargeable Li-ion
Cutter Mechanism:	Automatic Precision Cut

Why it's #1: Ultra-compact and lightweight—fits directly inside your range bag or reloading caddy. Connects effortlessly to your mobile device via Bluetooth, accepts all four of our app's strip sizes, and automatically slices the tape to exact physical circumference.

ULTRA-HIGH RESOLUTION (360 DPI)

Brother P-Touch CUBE XP (PT-P910BT)

Print Resolution:	360 DPI (Double Standard)
Tape Widths:	Up to 36mm (takes 9, 12, 18, 24, 36)
Connectivity:	Bluetooth & USB
Power Source:	Rechargeable Li-ion Battery

Why choose it: Features an ultra-fine 360 dpi thermal printhead. If you print dense multi-revolution drop charts, sub-MOA tick increments, or very compact micro-numbers for small diameter turrets, this provides unparalleled razor-sharp clarity.

RUGGED FIELD & WORKSHOP

Brother PT-E550W / PT-D610BT

Connectivity:	Wi-Fi, AirPrint, Bluetooth, USB
Tape Widths:	Up to 24mm (6, 9, 12, 18, 24mm)
Input / Display:	QWERTY Keyboard + Wireless Mobile
Durability:	Industrial Rubber Drop Protection

Why choose it: Built like a tank for heavy-duty field workshops. Supports mobile printing over Wi-Fi / AirPrint / Bluetooth plus standalone bench labeling using its integrated full keyboard.

DYMO ALTERNATIVE

DYMO MobileLabeler

Connectivity:	Bluetooth (iOS & Android)
Tape System:	DYMO D1 / D1 Durable (Up to 24mm)
Power Source:	Rechargeable Li-ion Battery
App:	DYMO Connect Mobile App

Why choose it: An excellent Bluetooth mobile option for shooters who already stock DYMO D1 cartridges. Note: For rifle use, always pair with DYMO D1 Durable / Vinyl cartridges rather than standard office paper labels.

2 BEST TAPE MATERIALS FOR RIFLE TURRETS

Cartridge Series	Brother Part No.	Finish & Appearance	Shooting & Environmental Performance
Extra-Strength Adhesive (Top Recommendation)	`TZe-S231` (12mm) `TZe-S241` (18mm) `TZe-S251` (24mm)	Black text on Gloss White	**Maximum Adhesion:** 50% stronger industrial adhesive that clings tightly to textured scope knurling, anodized matte aluminum, and high-recoil magnum rifles.
Matte Silver Anti-Glare (Factory Look)	`TZe-M931` (12mm) `TZe-M941` (18mm)	Black text on Satin Silver	**Zero Sun Glare:** Non-reflective satin finish that closely replicates high-end factory laser-engraved turret markings without distracting field reflections.
High-Visibility Tactical (Dawn / Dusk)	`TZe-631` (12mm) `TZe-641` (18mm)	Black text on High-Vis Yellow	**Instant Contrast:** Highest contrast for low-light hunting scenarios (deep timber, dawn, twilight). Enables quick dialing without straining your eyes.
Tactical Inverted (Low Signature)	`TZe-335` (12mm) `TZe-345` (18mm)	White text on Matte Black	**Subdued Aesthetic:** Seamlessly blends with matte black tactical rifle scopes and carbon fiber components while keeping white yardage markers clearly visible.

⚠️ **CRITICAL ADVICE: Avoid Direct Thermal Paper Printers**

Do **NOT** purchase cheap receipt-style direct thermal mini-printers (e.g. standard sticker roll printers). Direct thermal paper is chemically coated to react to heat. **Gun-cleaning solvents (Hoppe's No. 9, CLP, brake cleaner, acetone) or radiant barrel heat will instantly turn direct thermal paper pitch black**, completely obliterating your yardage numbers. Always insist on **Thermal Transfer Laminated Tapes (Brother TZe)** or outdoor vinyl.

3 STEP-BY-STEP MOBILE PRINTING WORKFLOW

1. **Match Your Turret Dimensions:** In the app's **Config** tab, measure your scope turret's circumference and enter the **Tape Width** matching your cartridge (e.g., `10.0mm` or `12.0mm`).
2. **Select Continuous Label Format:** In the **Preview** screen, open the *Format* dropdown and select your strip height (e.g., `Continuous Label Strip 12mm (1/2" - Brother/Dymo)`).
3. **Generate or Share:** Tap **Generate Turret Tape Document** or the **Share** icon. Open the output PDF inside your printer's mobile app (e.g. *Brother iPrint&Label*) or system print dialog.
4. **VERIFY 100% SCALE (CRITICAL):** In your print dialog, ensure that **"Fit to Page" is disabled** and scale is locked at **100% / Actual Size**. This ensures each millimeter of tape aligns precisely with your dial's click detents.

4 TURRET APPLICATION & RANGE PRO-TIPS

Surface Preparation

Clean your scope turret thoroughly with Isopropyl Alcohol (IPA) to eliminate grease, fingerprint oils, and gun lube before sticking the tape down.

Attachment Tab (Overlap)

Enable *Attachment Tab* in the app's Config tab to add a blank 10mm overlap tail. This creates a secure tape-to-tape seam that never lifts off.

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