

Project Name: 504 Target**Revised: 5/12/05****Project Number: 241426****R&D Engineer(s): Will B James, Vince Norton****Marketing Manager: John Trull****Plant Contact: Kevin Lance****Status:**

- Completed shooting both 17HMR and 17M2 Universal receivers. 17HMR averaged 0.607" the 17M2 averaged 0.8" with Eley ammunition @ 100yds. The UR barrels are 1 in 9 twist rate. Free bore is less than 1/64".
- 504T HB 17HMR (DAT 3) Accuracy @ 100 yards. 8 gun average was 1.602". (597 17HMR T&P accuracy was 1.44" at 100 yards)
- 504T HB 17HMR (DAT 3) Accuracy @ 50 yards. 8 gun average was 0.728".
- Ordered green mountain 17HMR barrel blanks. 25" long and 1.062" in diameter.
- Mayfield will order SAMMI 17HMR chamber reamers.
- Sent two (2) DAT 504 17HMR to custom shop for evaluation. The two guns shoot 1.62" average at 100 yards. After lapping barrels the guns were shoot at 100 yards. Five, 5 shot groups averaged 1" at 100 yards with Hornady ammunition and 1.4" at 100 yards with Remington ammunition. The custom shop is currently bedding the stock and will re-shoot accuracy.
- Current software using actual velocities from production rifles indicates a slower twist maybe beneficial. 1 in 11 or 1 in 12 inches. Mayfield will order button with new twist rate and evaluate.

Issues:

1.

Action Items:

Action Item	Status	Responsible	Date
1. Transmit Drawing package 22LR	Complete	R&D	4/15/05
2. Ordered Green Mountain barrel Blanks 17HMR	Complete	R&D	5/06/05
3. Finish-out green mountain Barrels		Mayfield	5/23/05
4. Custom Shop evaluation of 504 17HMR	In process	Ilion	5/16/05
5. Measure velocity & evaluate twist rate	Complete	R&D	4/28/05
6. Order SAMMI chamber reamer	Complete	Mayfield	5/9/05
7. Order 1 in 12 twist button	In process	Mayfield	5/9/05
8. Mayfield will evaluate DAT guns from jack (4 guns)	In Process	Mayfield	5/13/05
9. T&P build for 504T 17HMR	After DAT	Mayfield	TBD

Schedule / Key Milestones:

Milestone	Current Date
EET	6/30/04
DAT 504LR	3/11/05
DAT 504 17HMR	3/25/05
T&P 504T 22LR	4/20/05
T&P 504T 17HMR	TBD
Warehouse Position 22LR	4/30/05