



Settings



## Grok Conversation

- **At 1,000 yards:** 170 MOA = 1,700 inches (1 MOA  $\approx$  1 inch)

For the 375 H&H load:

- 170 MOA covers the 480-inch drop at 1,000 yards (48 MOA) with plenty of room left (122 MOA remaining).
- Practically, the two-revolution CDS-ZL2 turret (40 MOA) covers up to ~500 yards (19 MOA drop) without resetting the zero or using holdover.

### Practical Limits

- **CDS-ZL2 Limitation:** The tactile dialing range is ~40 MOA with the stock turret. Beyond that, you'd need to:
  - Reset the zero stop for a new base range.
  - Use a custom CDS dial matched to your load (included free with the scope), which marks yardages directly.
  - Hold over using the reticle (e.g., FireDot Duplex or CMR2, though it's not a BDC reticle).
- **Intended Use:** The 1-6x scope is optimized for 0-300 yards (e.g., dangerous game or tactical use), where drop is minimal (e.g., 24.5 inches at 300 yards = 8.2 MOA). The 170 MOA range far exceeds typical needs here, ensuring flexibility for various loads or ranges.

### Conclusion

The elevation turret on the Leupold VX-6HD 1-6x24 can accommodate **up to 170 MOA of drop** (e.g., 1,700 inches at 1,000 yards), but the CDS-ZL2 turret's two-revolution limit restricts tactile dialing to **~40 MOA** (e.g., 400 inches at 1,000 yards or 120 inches at 300 yards) without resetting. For your 375 H&H load, it easily handles the 24.5-inch drop at 300 yards (8.2 MOA) within one revolution, and the full 170 MOA could cover beyond 1,000 yards if needed. For longer ranges, a custom CDS dial or holdover extends its utility, though this scope's 1-6x magnification is best suited for closer engagements.

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