

| Target Charge Weight (gr) | Bullet | Shots Per Group | Average Velocity (Prometheus/ATV3) | SD (Prometheus/ATV3) | ES (Prometheus/ATV3) | Group Size (MOA, Prometheus/ATV3) | Notes |
|---------------------------|------------|-----------------|------------------------------------|------------------------------|------------------------------|--------------------------------------|--|
| 28.1 | 105 Hybrid | 10 | 2648/2614 | 18.5/16.8 | 47/41 | 0.82/0.76 | Testing performed indoors at 100 yards from a fixed rest though a 737R with 28" Krieger 4-groove barrel and TBAC Ultra 9 Suppressor |
| 28.4 | 105 Hybrid | 10 | 2694/2659 | 13.6/14.3 | 34/38 | 0.74/0.86 | Firing pattern was alternating shots from Prometheus, then ATV3, repeating until 10 rounds from each at each charge weight were fired |
| 28.7 | 105 Hybrid | 10 | 2740/2715 | 8.3/7.2 | 20/18 | 0.58/0.47 | Special attention was paid to dwell time of the cartridge in the chamber prior to firing, such as to keep it both short and consistent |
| 29 | 105 Hybrid | 10 | 2774/2748 | 6.3/6.1 | 16/20 | 0.41/0.52 | After all rounds of a given charge weight were fired, the barrel was allowed to cool using a fan before beginning the next charge weight's testing |
| 29.3 | 105 Hybrid | 10 | 2811/2794 | 5.2/5.2 | 14/16 | 0.38/0.44 | All velocities were measured using a LabRadar chronograph |
| 29.6 | 105 Hybrid | 10 | 2844/2816 | 7.8/4.8 | 19/13 | 0.65/0.39 | |
| 29.9 | 105 Hybrid | 10 | 2862/2838 | 5.5/7.0 | 15/18 | 0.51/0.60 | Ammo was loaded using a Forster Co-Ax press and Forster dies (custom-honed sizing die and micrometer seater) |
| 30.2 | 105 Hybrid | 10 | 2898/2875 | 8.8/6.5 | 22/16 | 0.56/0.57 | All brass used in testing was Lapua 6BR that was previously once fired in the same rifle used for the test (action, barrel, chamber) |
| 30.5 | 105 Hybrid | 10 | 2928/2902 | 12.9/11.4 | 29/25 | 0.47/0.52 | All brass preparation and ammo loading was performed the evening before the test took place |
| | | | | | | | CBTO was measured on every round loaded with a target jump of 0.040", variance was held to +/- 0.002" with outliers discarded from testing rather than re-seated |
| | | | | Average Prometheus SD | Average Prometheus ES | Average Prometheus Group Size | Seating pressure was also monitored, with outliers (too heavy or light) discarded from testing |
| | | | | 9.66 | 24 | 0.57 | All rounds were loaded with the same lot of Varget stabilized to local humidity levels prior to long-term storage, metered out 30-50 rounds at a time to avoid extended exposure |
| | | | | Average ATV3 SD | Average ATV3 ES | Average ATV3 Group Size | All rounds were loaded using CCI BR-4 small rifle primers, seating to a light crush of the anvil |
| | | | | 9.14 | 22.78 | 0.57 | |
| | | | | | | | There was no discernable zero shift between rounds loaded with different powder measures traveling at comparable muzzle velocities |
| | | | | | | | The loads with velocities less than 2700fps seemed to lack sufficient case fill for consistent ignition |