

First test of the NOE 310-165 commenced this morning in my .308W Palma rifle. It is a byf M98 Mauser action with a 27.5" Schultz & Larson Palma contour barrel with a 14" twist. The stock is a Kevlar, fiberglass rendition of the old Savage single shot M112 Stock. The scope is an older original Weaver T-16.

Alloy; Lyman #2 made of 4 ½ lbs linotype, 5 lbs of lead and ½ lb of tin.

Bullets were WQ'd out of the mould and at 48 hours the BHN was 24.

Bullets were visually inspected, any defect was cause for rejection.

Selected bullets were then weight sorted to +/- .25 gr.

Bullet drive bands measured right at .311.

When GC'd and pushed through a .308 sizer the bearing surface was at 53% of the bullet length.

Hornady GCs Seated with GC device on Lyman 450 with .311 H&I installed.

GC'd bullets then "sized" and lubed in the .311 H&I with 2500+ lube.

The selected 311-165s weighed 164.7 gr fully dressed.

Cases were Winchester Palma .308W which were well fire formed and match prepped. They were NS'd in a Redding Bushing die to give .002 neck tension on the .311 sized cast 311-165s.

Primers were WLRs.

Bullets were seated to just kiss the lead with an OAL of 2.658".

Powder was AA4350 with 10 shot test strings of 45 gr, 46 gr, 47 gr, 48 gr and 49 gr. The 48 gr load was at 100% load density with the 49 gr load slightly compressed.

The M43 Oehler PBL was set up at the range with muzzle screens at 15' and the down range screens in front of the 100 yard target.

Attached Image (viewed 160 times):