

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



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7mm 700 design

Ilion, New York
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7MM REMINGTON MAGNUM

Three pressure barrels have been furnished Bridgeport for work on this cartridge. 9, 9 1/2, and 10" twist was used in these barrels to attempt to determine if a faster than the normal 10" twist now used in the .280 is required. Shooting so far indicates that a 10" twist is satisfactory for bullet weights up to 160 to 165 grain but is probably not adequate for 175 grain bullets unless the quality of the bullets and the barrels is excellent.

In order to meet an announcement date near the first of the year the Plant has asked for specifications on this cartridge. For this reason a drawing has been issued specifying the chamber now in use in the pressure barrels with a twist of 9 to 9 1/2".

Accuracy with 165 grain Remington Soft Point Core-Lokt has been very good in 10 to 10 1/4" twist factory barrels. 175 grain accuracy using Hornady bullets is very poor in any twist longer than 10". In talking with gallery personnel it was discovered that the 165 grain Remington bullet is showing signs of tipping in the standard .280's at 100 yards. For this reason it would seem desirable to change the specs of the .280 barrel to a shorter twist. Perhaps a good compromise would be 9 3/4" for both .280 and 7mm Magnum. This would allow the use of interchangeable bore and groove and twist gauges.

Since the .280 is the only barrel in the Plant now manufactured with other than 6 grooves, the number of grooves should be changed from 4 to 6.

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