

**New Cartridge & Chamber**  
**7mm Precision Rifle Cartridge (7mm PRC)**

Maximum Average Pressure (MAP)\* = 65,000 psi  
Crusher pressure limits not established.

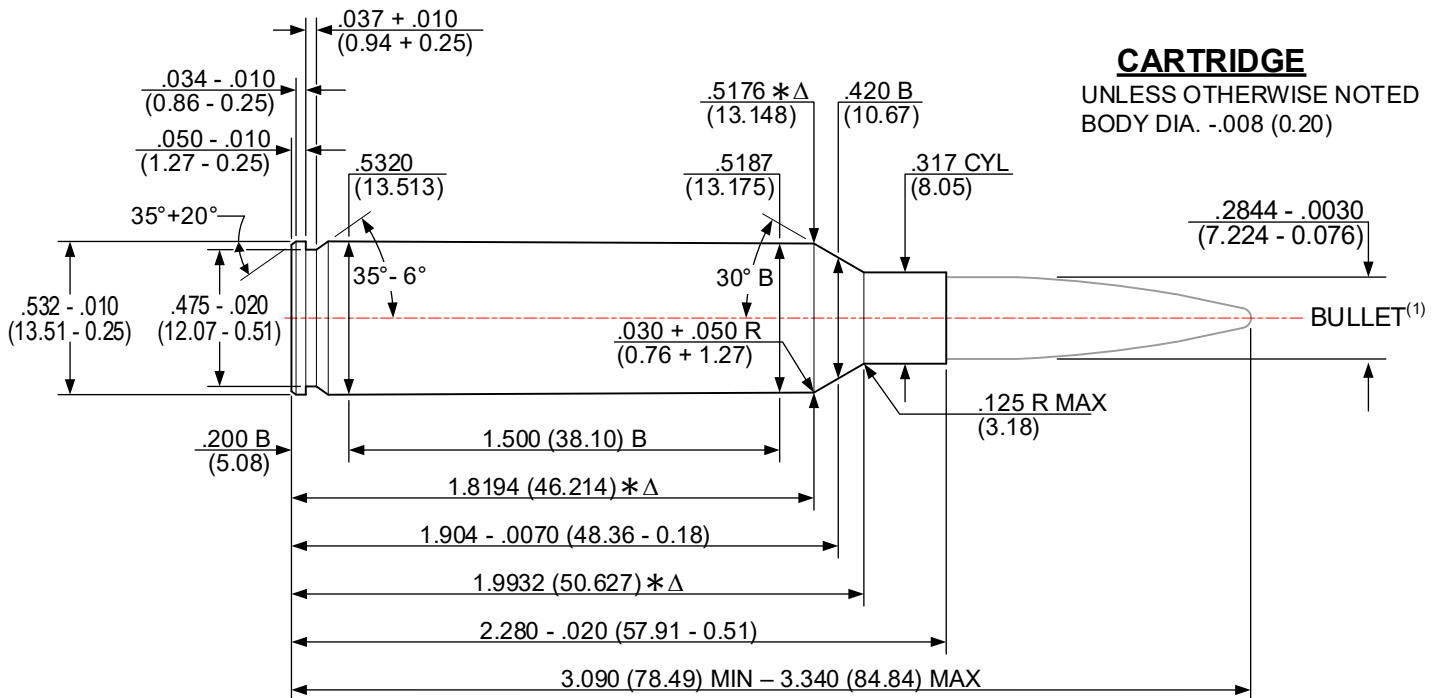
Instrumental Velocity: 180-gr @ 2,950 fps  
\* Refer to SAAMI Z299.4 for pressure guideline interpretation description.

**MAXIMUM CARTRIDGE / MINIMUM CHAMBER**

ISSUED: 06/07/2022

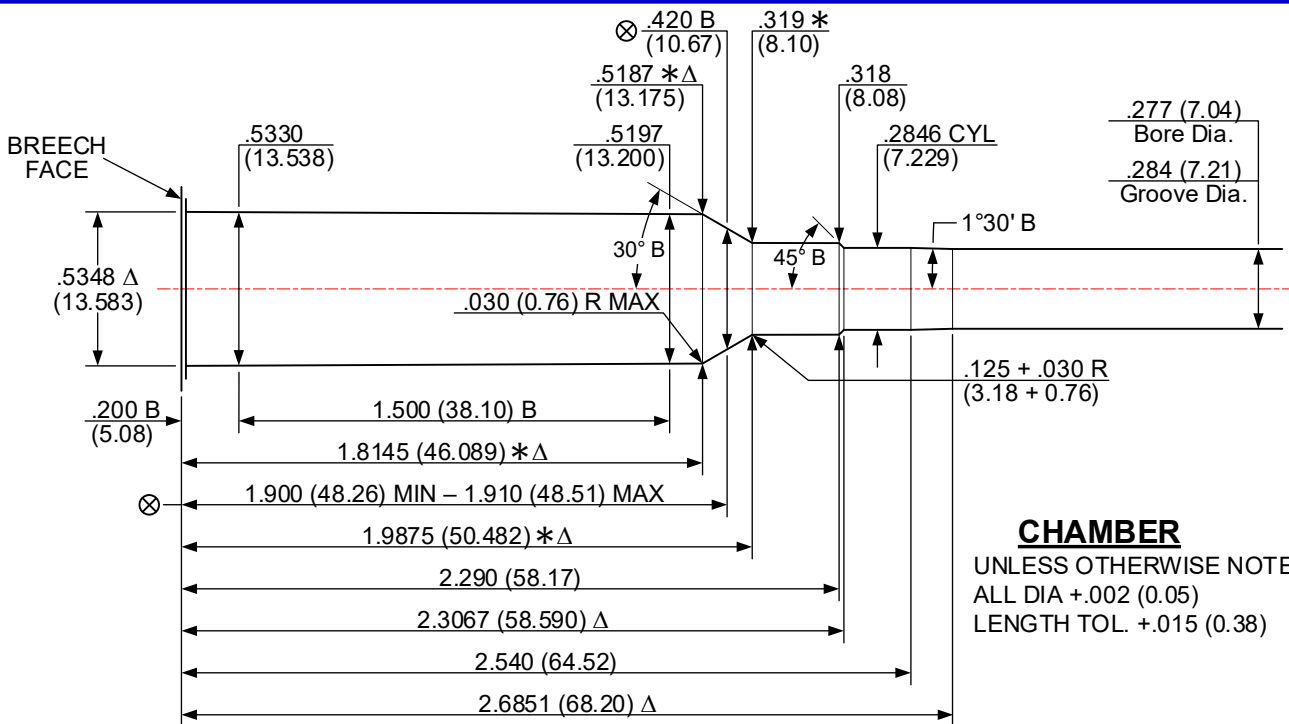
**7MM PRECISION RIFLE CARTRIDGE [7MM PRC]**

REVISED: - - - - -



**CARTRIDGE**

UNLESS OTHERWISE NOTED  
BODY DIA. -.008 (0.20)



**CHAMBER**

UNLESS OTHERWISE NOTED  
ALL DIA +.002 (0.05)  
LENGTH TOL. +.015 (0.38)

Δ 6 GROOVES

TWIST: 8.00 (203.2) R.H. OPTIONAL

Δ .110+.002 (2.79+0.05) WIDE

MINIMUM BORE & GROOVE AREA: .0626 in<sup>2</sup> (40.387 mm<sup>2</sup>)

**NOTE:**

B = BASIC

(XX.XX) = MILLIMETERS

⊗ = HEADSPACE DIMENSION

Δ = REFERENCE DIMENSION

\* = DIMENSIONS ARE TO INTERSECTION OF LINES

ALL CALCULATIONS APPLY AT MAXIMUM MATERIAL CONDITION (MMC)

(1) - BULLET PROFILE IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY

**DO NOT SCALE FROM DRAWING**

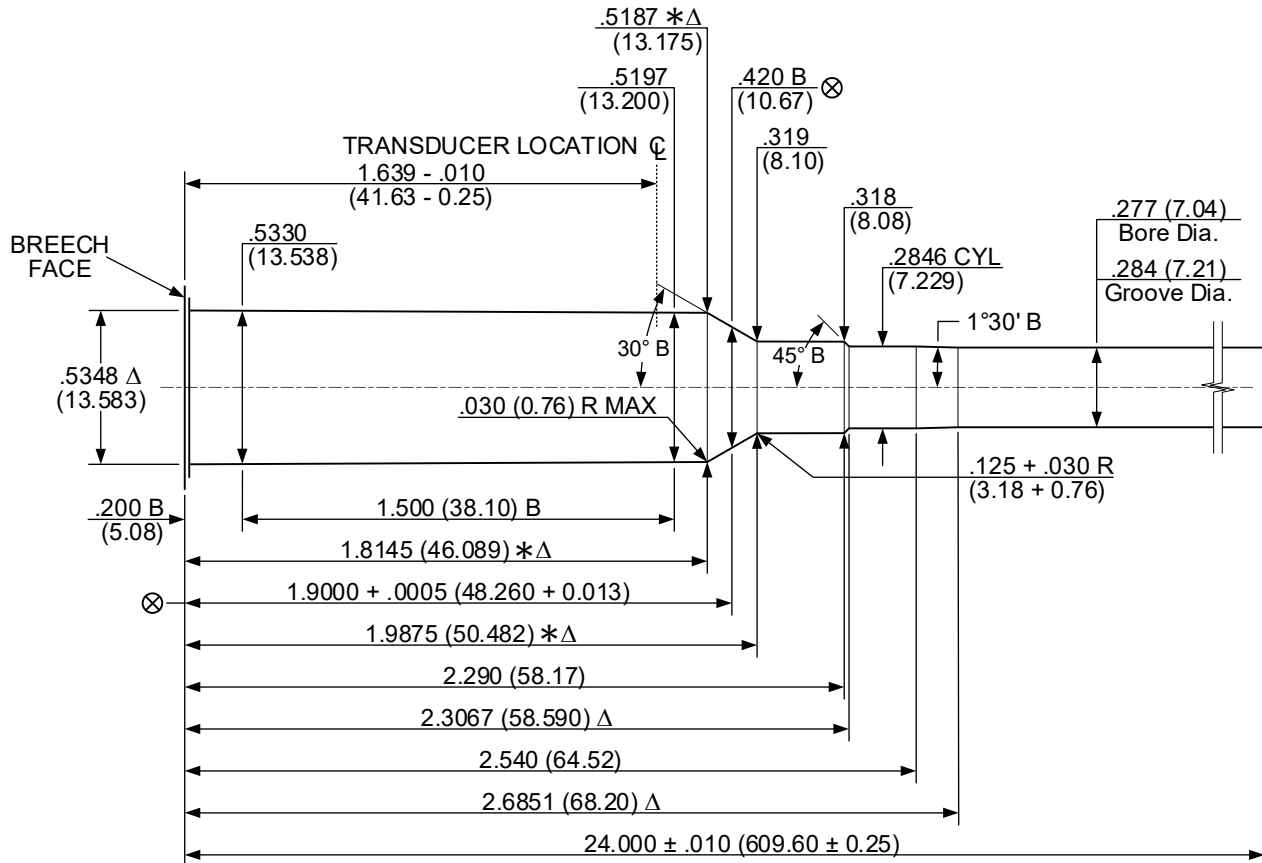
VELOCITY & PRESSURE TEST BARREL

7MM PRECISION RIFLE CARTRIDGE

V&P TEST BARREL

ISSUED: 06/07/2022

REVISED: -/-/-/-



NUMBER OF GROOVES: 6

WIDTH OF GROOVES: .110 + .002 (2.79 + 0.05)

TWIST RATE: 8.00 (203.2) R.H.

DIAMETER OF PISTON HOLE: Crusher pressures not established.

TRANSDUCER DIAMETER: .250 (6.35)

LAND AND GROOVE DIMENSIONS TO BE WITHIN TOLERANCES THROUGHOUT LENGTH OF BARREL.

UNLESS OTHERWISE NOTED, ALL DIAMETERS +.0005 (0.013) LENGTH TOLERANCE + .005 (0.13)

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**NOTE:**

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 \* DIMENSIONS ARE TO INTERSECTIONS OF LINES  
 ALL CALCULATIONS APPLY AT MAXIMUM MATERIAL CONDITION (MMC)

**Support products supplier:**

Hornady Manufacturing  
 PO Box 1848; 3625 Old Potash Highway  
 Grand Island, NE 68803

**Order symbols/part numbers:**

Reference rounds: 80711R

Dummy rounds: 80711D

Proof ammunition: 80711P