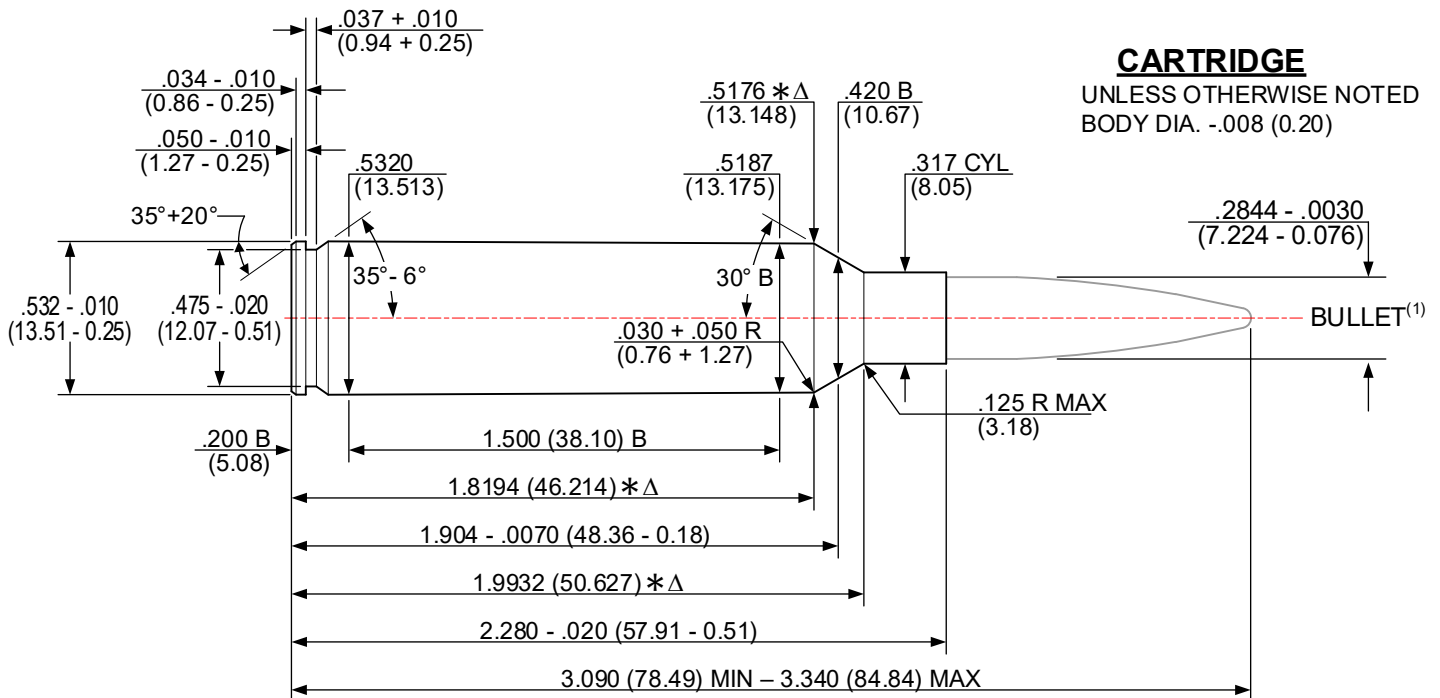


Maximum Average Pressure (MAP)* = 65,000 psi
Crusher pressure limits not established.

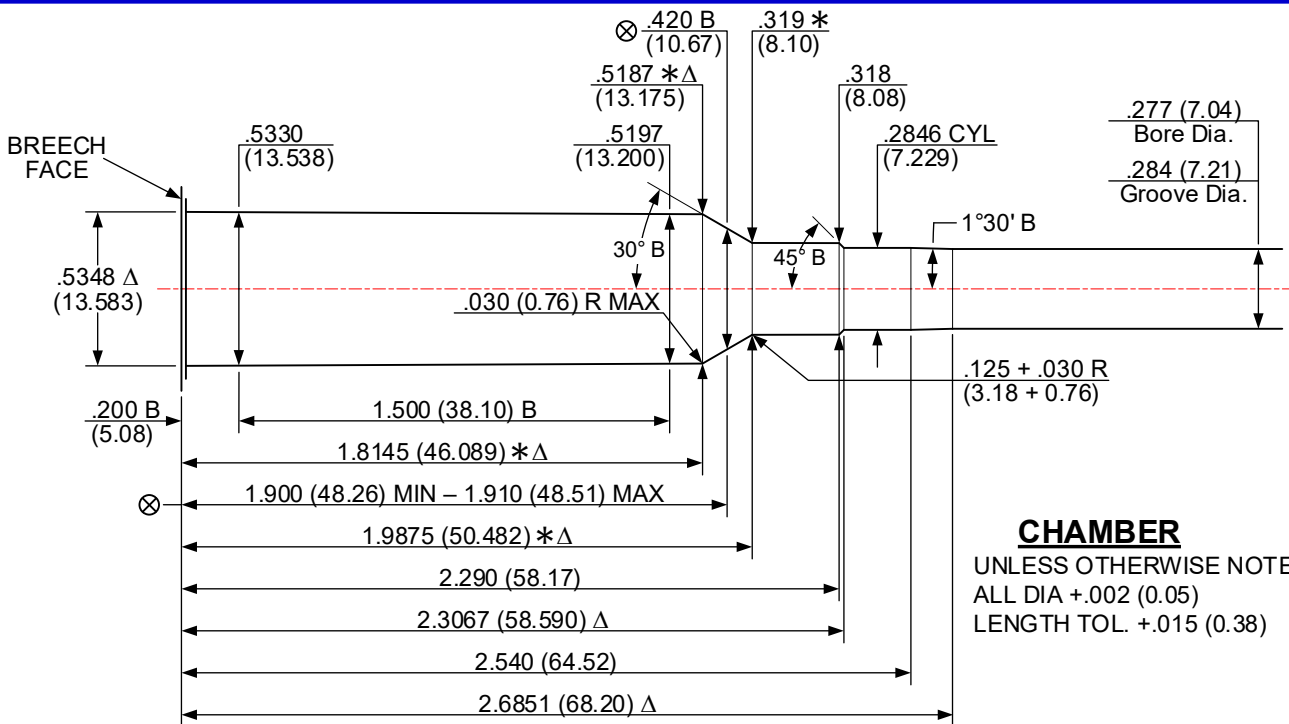
Instrumental Velocity: 180-gr @ 2,950 fps
* Refer to SAAMI Z299.4 for pressure guideline interpretation description.

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 in² (40.387 mm²)

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

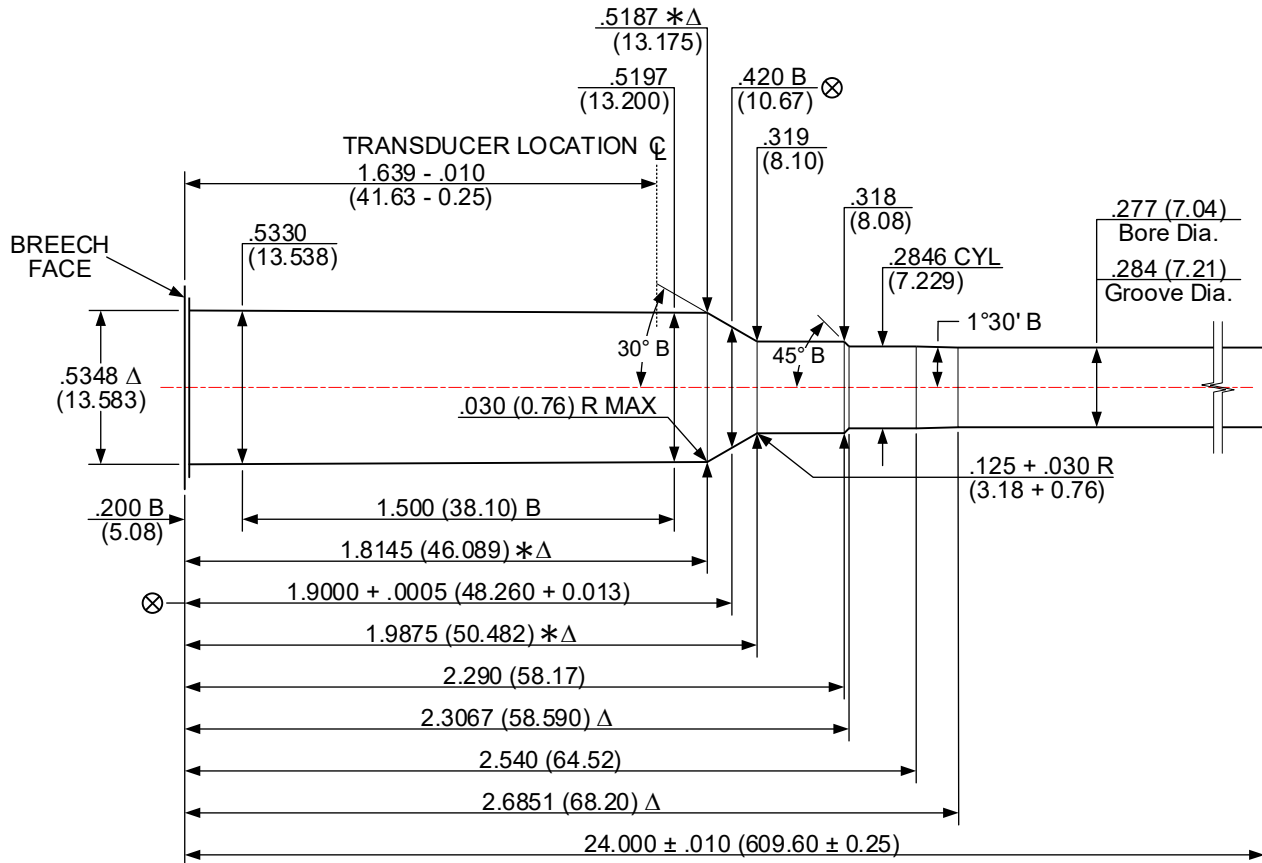
VELOCITY & PRESSURE TEST BARREL

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)

DO NOT SCALE FROM DRAWING

NOTE:

B = BASIC Δ = REFERENCE DIMENSION ⊗ = HEADSPACE DIMENSION (XX.XX) = MILLIMETERS
 * 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