

Maximum Average Pressure (MAP)* = 45,000 psi
Crusher pressure limits not established.

Instrumental Velocity: 215-gr @ 2,230 fps

* Refer to SAAMI Z299.4 for pressure guideline interpretation description.

MAXIMUM CARTRIDGE / MINIMUM CHAMBER

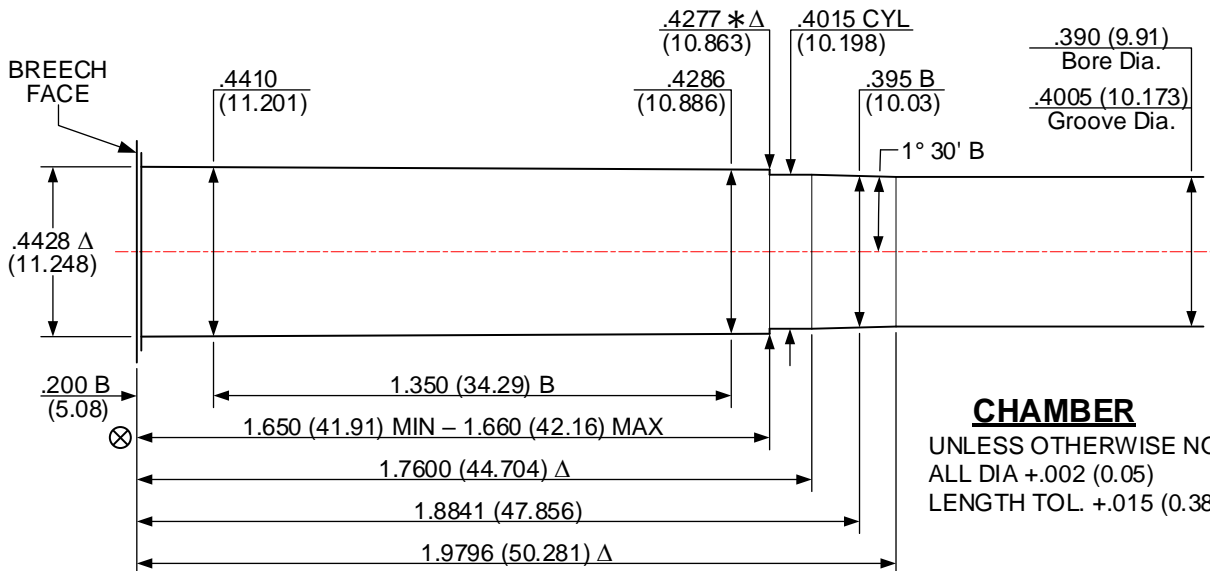
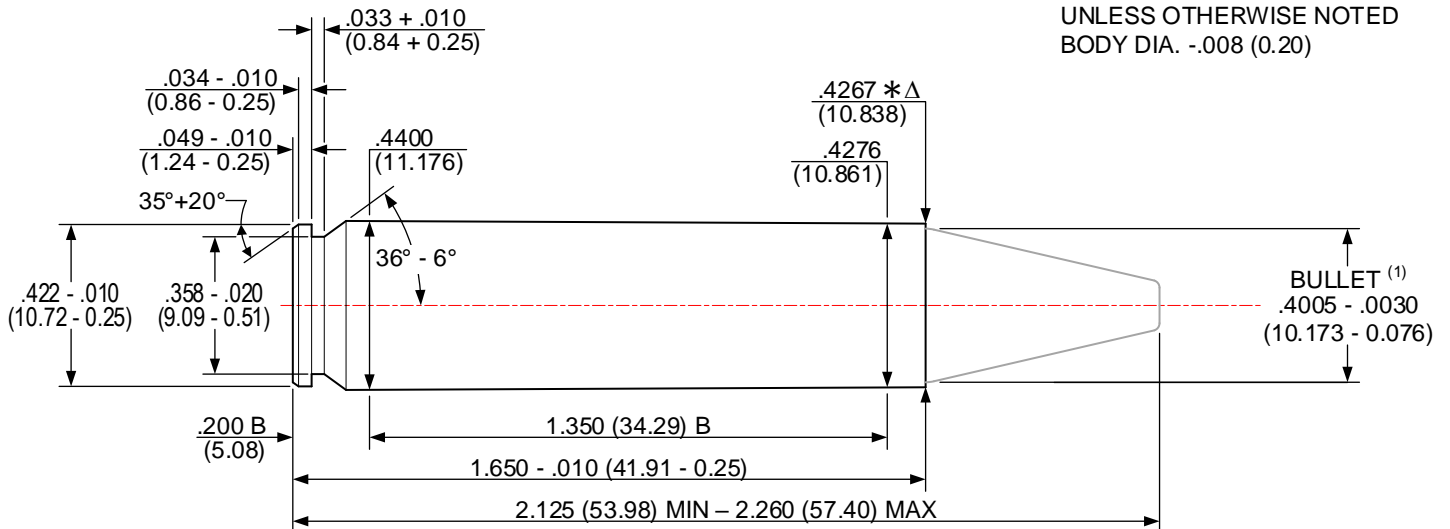
ISSUED: 01/15/2023

400 LEGEND [400 LGND]

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

Δ .120+.002 (3.05+0.05) WIDE

TWIST: 16.00 (406.4) R.H. OPTIONAL

MINIMUM BORE & GROOVE AREA: .1232 in² (79.483 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

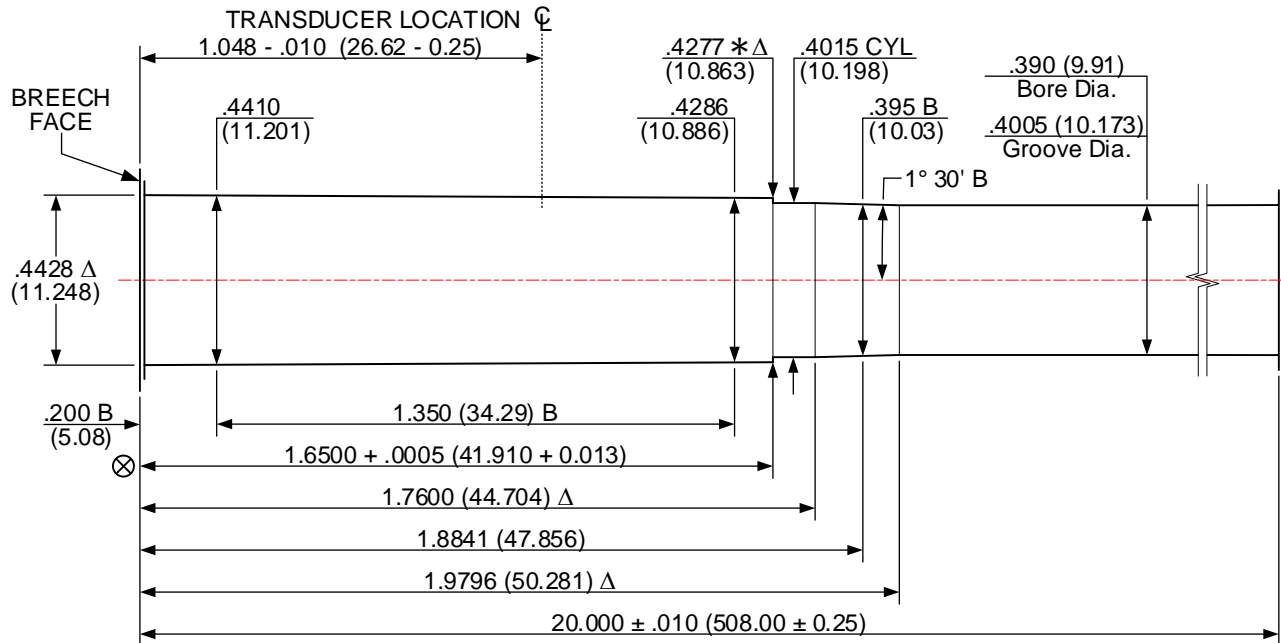
VELOCITY & PRESSURE TEST BARREL

ISSUED: 01/15/2023

400 LEGEND [400 LGND]

REVISED: -/-/-/-

V&P TEST BARREL



DO NOT SCALE FROM DRAWING

NUMBER OF GROOVES: 6
 WIDTH OF GROOVES: .120 + .002 (3.05 + 0.05)
 TWIST RATE: 16.00 (406.4) 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)

NOTE:

B = BASIC Δ = REFERENCE DIMENSION ⊗ = HEADSPACE DIMENSION
 * DIMENSIONS ARE TO INTERSECTIONS OF LINES (XX.XX) = MILLIMETERS
 ALL CALCULATIONS APPLY AT MAXIMUM MATERIAL CONDITION (MMC)

Support products supplier:

Winchester Division; Olin Corporation
 Kevin Winscherph. 618-606-4452..... email: KLWinscher@olin.com

Order symbols/part numbers:

Reference rounds: SA400LGND Dummy rounds: AD400LGND Proof ammunition: DP400LGND