

SAAMI[®]SPORTING ARMS
& AMMUNITION
MANUFACTURERS' INSTITUTE[®]

New Cartridge & Chamber

8.6 BLACKOUT (8.6 BLK)

Maximum Average Pressure (MAP)* = 62,000 psi

Instrumental Velocity: 200-gr @ 2,200 fps

Crusher pressure limits not established.

* Refer to SAAMI Z299.3 for pressure guideline interpretation description.

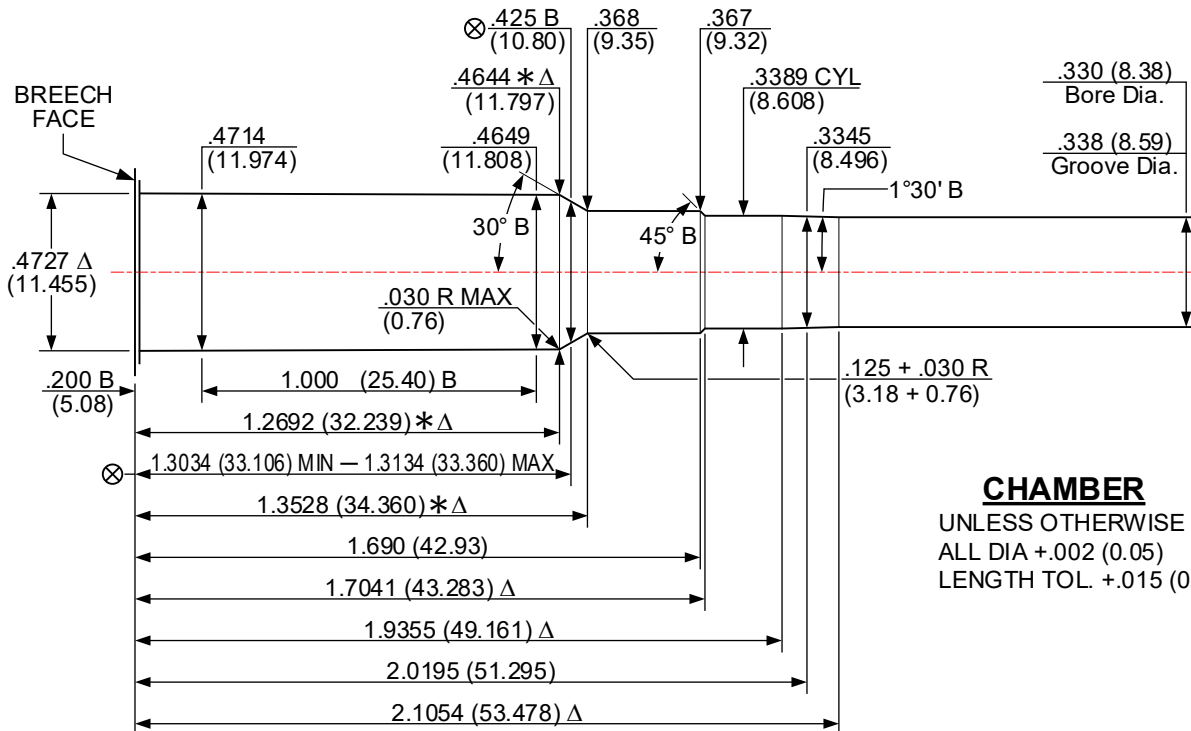
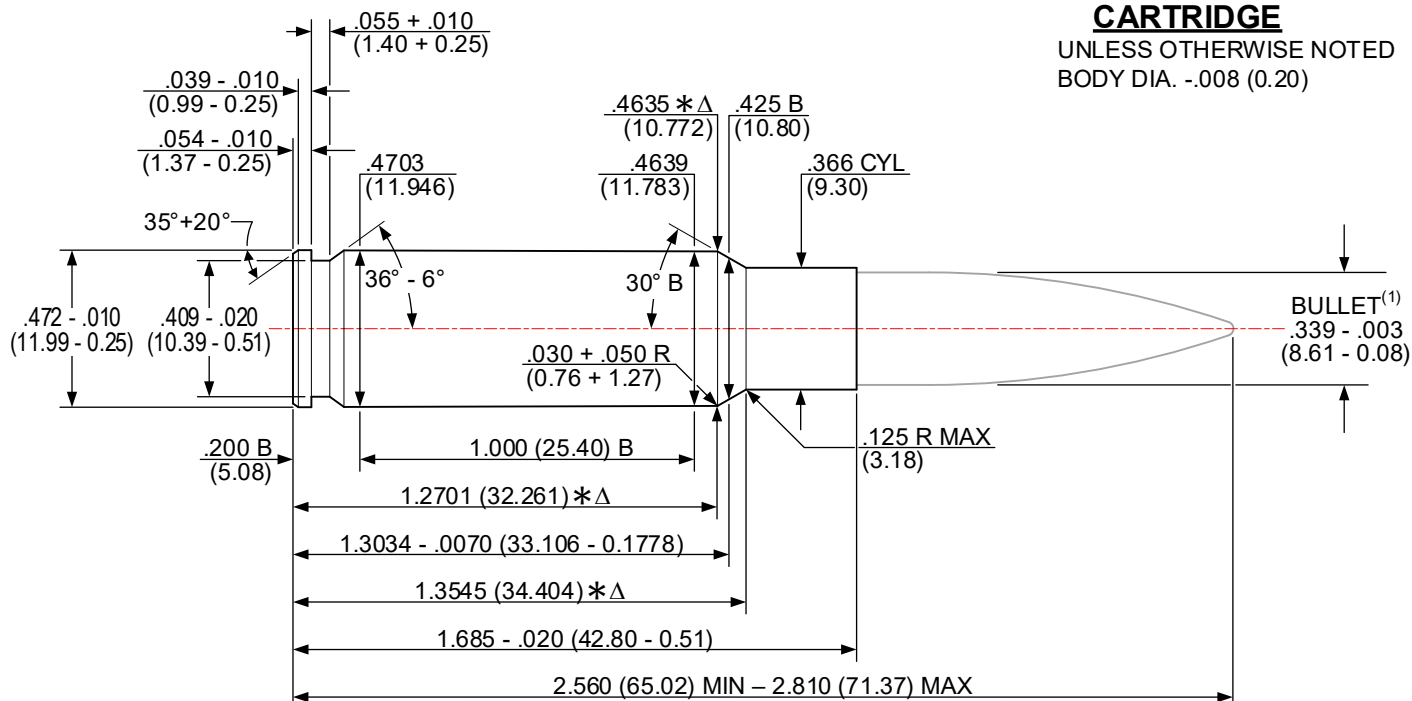
MAXIMUM CARTRIDGE / MINIMUM CHAMBER

ISSUED: 01/19/2026

8.6 BLACKOUT [8.6 BLK]

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: 6.00 (152.4) R.H. OPTIONAL

NOTE:

Δ .110+.002 (2.79+0.05) WIDE

MINIMUM BORE & GROOVE AREA: .0882 in² (56.903 mm²)

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

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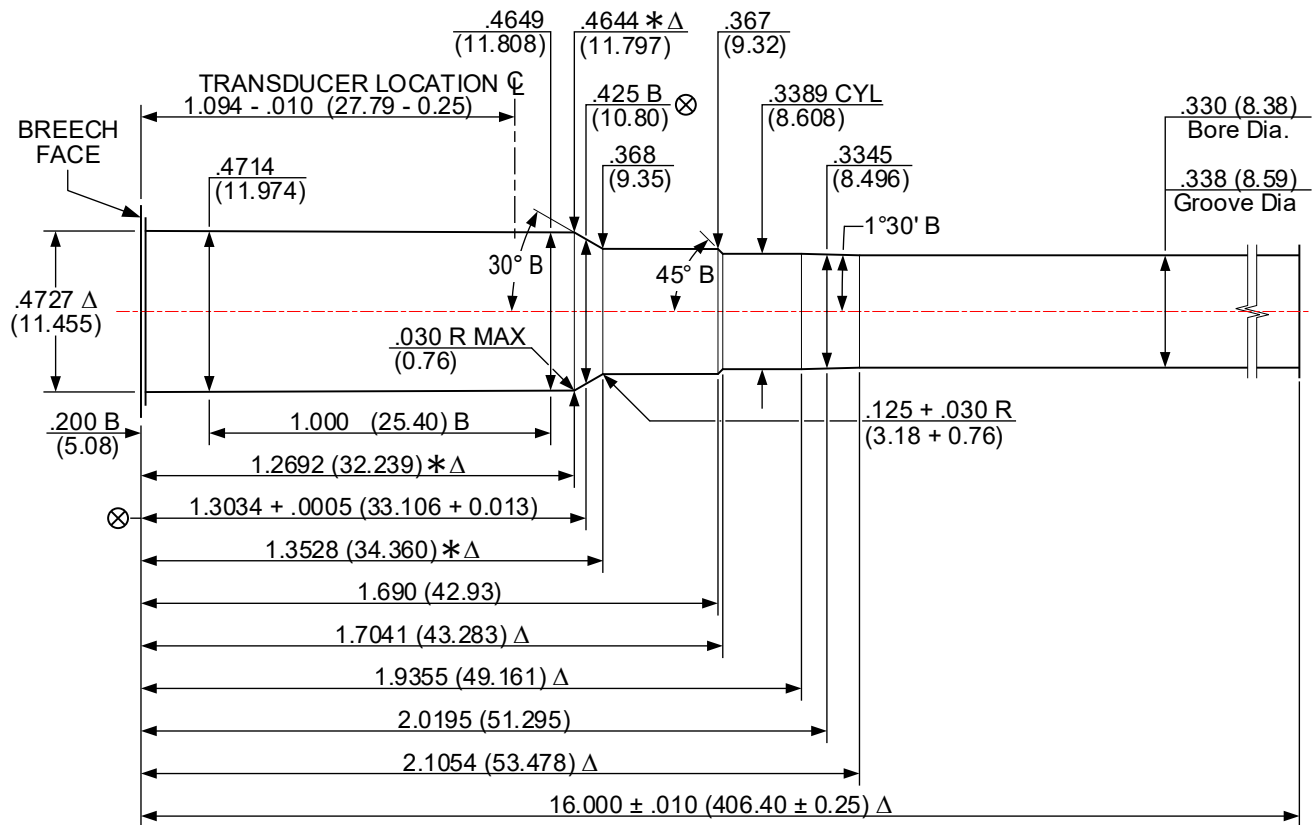
VELOCITY & PRESSURE TEST BARREL

8.6 BLACKOUT [8.6 BLK]

ISSUED: 01/19/2026

V&P TEST BARREL

REVISED: - - / - - / - -



NUMBER OF GROOVES: 6

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

TWIST RATE: 6.00 (152.4) 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)

DO NOT SCALE FROM DRAWING

NOTE:

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⊗ = HEADSPACE DIMENSION

* DIMENSIONS ARE TO INTERSECTIONS OF LINES

(XX.XX) = MILLIMETERS

ALL CALCULATIONS APPLY AT MAXIMUM MATERIAL CONDITION (MMC)

Support products supplier:

Q, LLC

Jordan Porterph. 603-294-0047 email: info@liveqordie.com

Order symbols/part numbers:

Reference rounds: Q86BLK Dummy rounds: Q86BLK-DUMMY Proof ammunition: Q86BLK-PROOF