

Maximum Average Pressure (MAP)* = 62,000 psi
Crusher pressure limits not established.

Instrumental Velocity: 55-gr @ 3,400 fps
* Refer to SAAMI Z299.4 for pressure guideline interpretation description.

IMPORTANT INFORMATION AND COMPATIBILITY NOTICE

The **5.56 Commercial** cartridge and chamber defined here provide a publicly available consensus standard describing a chamber and ammunition system for commercial practice using the procedures and equipment detailed in the American National Standard SAAMI Z299.4¹.

Conformance to this specification does not imply or ensure conformance with any military or NATO specification. The absence of publicly available standards for “5.56 X 45”, including variants such as “5.56 NATO”, makes blanket compatibility statements of those products to products manufactured to this new standard impossible.

The **5.56 Commercial** specification is a commercial SAAMI standard and will be revised only through the defined SAAMI consensus-based standards development and maintenance processes.

As a voluntary standard, the existence of this specification does not require firearm manufacturers to mark firearms as **5.56 Commercial** (or **5.56 COMM**), nor does it require ammunition manufacturers to adopt a **5.56 Commercial** (or **5.56 COMM**) headstamp, although the use of this designation as a roll mark or headstamp is acceptable practice.

For specific questions on the compatibility of ammunition made to this specification in firearms carrying a roll mark other than **5.56 Commercial** (or **5.56 COMM**), or vice versa, contact the manufacturer of your firearm or ammunition for further information.

*Existing guidance that **ONLY 223 Remington** ammunition is to be used in a firearm chambered and roll marked as only “223 Remington” remains unchanged. The use of any 5.56 ammunition, including all military variants as well as ammunition produced to this standard in a 223 Remington chamber creates increased pressure and is considered an unsafe combination.*

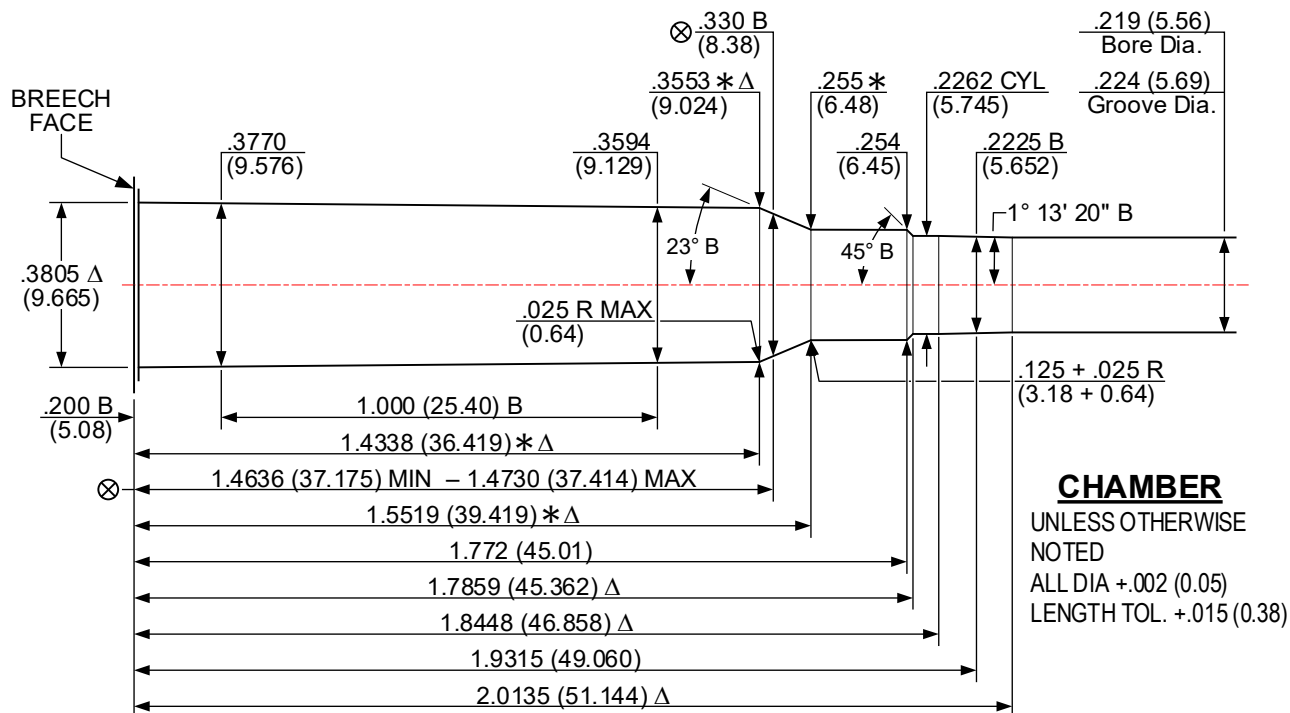
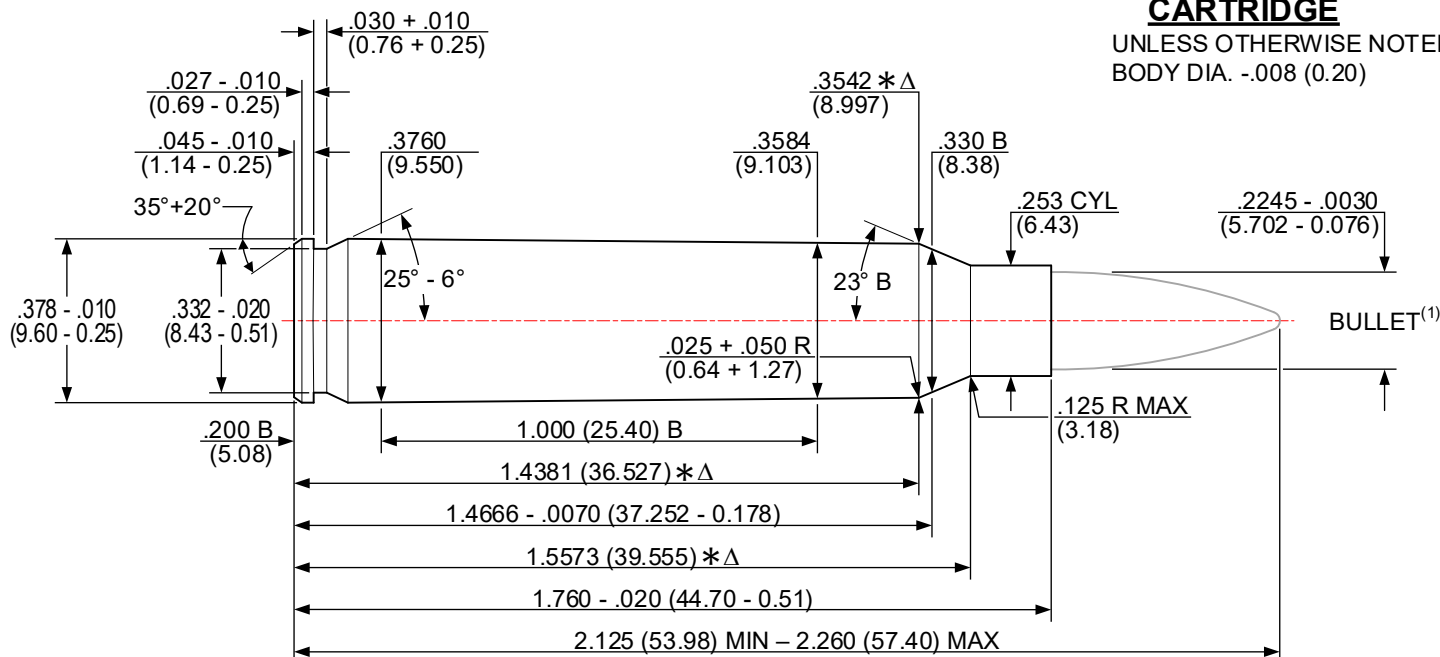
¹ This standard is available as a free download from the SAAMI website at:
<https://saami.org/technical-information/ansi-saami-standards/>

MAXIMUM CARTRIDGE / MINIMUM CHAMBER

ISSUED: 06/09/2026

5.56 COMMERCIAL [5.56 COMM]

REVISED: - - - - -

CARTRIDGEUNLESS 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 .074+.002 (1.88+0.05) WIDE

TWIST: 7.00 (177.8) R.H. OPTIONAL

MINIMUM BORE & GROOVE AREA: .0388 in² (25.032 mm²)**NOTES:**

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

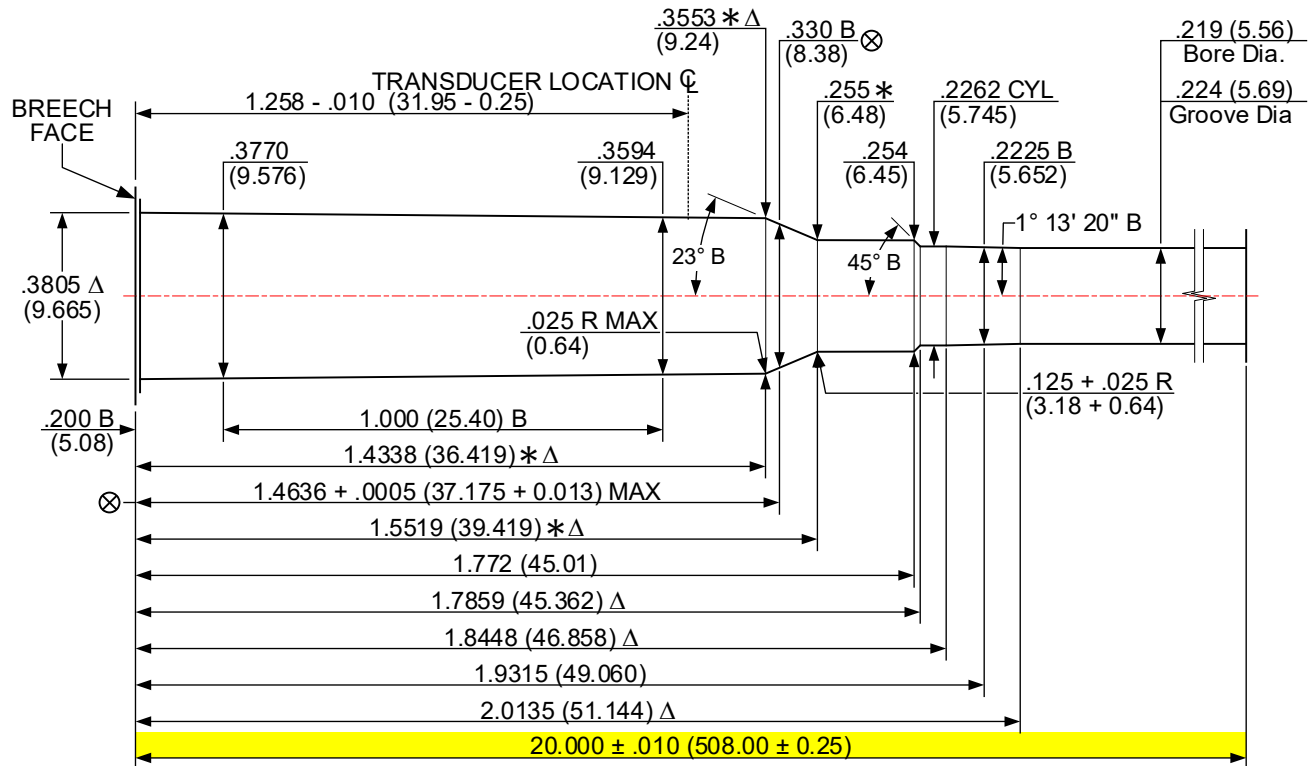
DO NOT SCALE FROM DRAWING

VELOCITY & PRESSURE TEST BARREL**5.56 COMMERCIAL [5.56 COMM]**

ISSUED: 06/09/2026

V&P TEST BARREL

REVISED: - - / - - / - -



NUMBER OF GROOVES: 6

WIDTH OF GROOVES: .074 + .002 (1.88 + 0.05)

TWIST RATE: 7.00 (177.8) RH

DIAMETER OF PISTON HOLE: Crusher pressures not established

TRANSDUCER: .250 (6.35) DIAMETER / .375 (9.53) THREAD

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**NOTES:**

B = BASIC

Δ = REFERENCE DIMENSION

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* DIMENSIONS ARE TO INTERSECTIONS OF LINES

(XX.XX) = MILLIMETERS

ALL CALCULATIONS APPLY AT MAXIMUM MATERIAL CONDITION (MMC)

Support products supplier:

Hornady Manufacturing

Katie Gloverph. (308) 382-5761.....email: kglover@hornady.com

Order symbols/part numbers:Reference rounds: 83678RDummy rounds: 83678DProof ammunition: 83678P