

C.I.P.

7-270 Win. Short Mag.

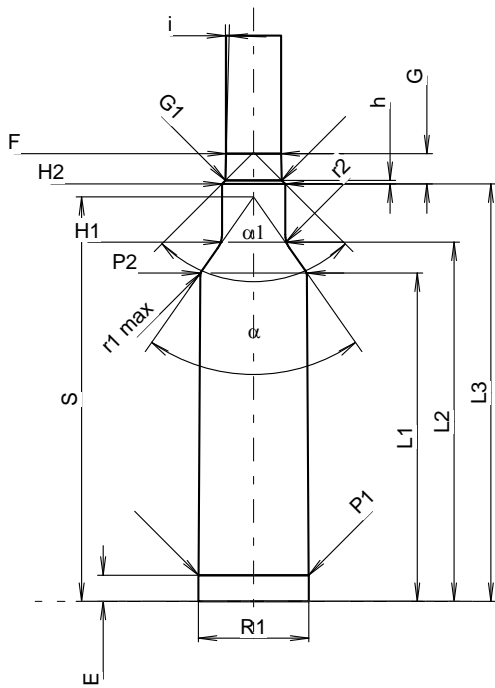
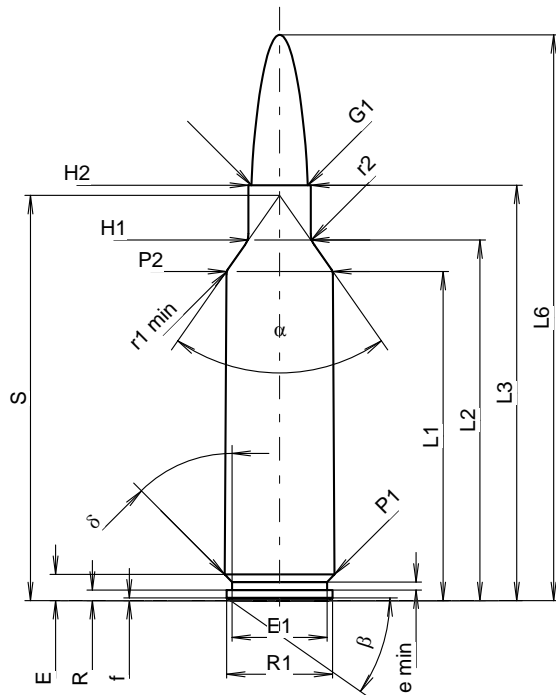
Country of Origin: US

TAB. I

Date 20-11-10

Revision

Alternative Names: 7-270 WSM



Scale 1.03:1

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR1.

CARTRIDGE MAXI

Lengths

| | | | |
|------------------|---|-------|-------|
| L1 ¹⁾ | = | 42.27 | -0.20 |
| L2 ¹⁾ | = | 46.31 | -0.20 |
| L3 ¹⁾ | = | 53.34 | |
| L4 | = | | |
| L5 | = | | |
| L6 | = | 72.64 | |

Case Head

| | | | |
|-------|---|-------|--|
| R | = | 1.37 | |
| R1 | = | 13.59 | |
| R3 | = | | |
| E | = | 3.36 | |
| E1 | = | 12.19 | |
| e min | = | 1.02 | |
| delta | = | 45° | |
| f | = | 0.36 | |
| beta | = | 35° | |

Powder Chamber

| | | | |
|--------------------|---|-------|-------|
| P1 | = | 14.12 | |
| P2 ¹⁾ * | = | 13.67 | -0.20 |

Junction Cone

| | | | |
|--------------------|---|-------|--|
| alpha [*] | = | 70° | |
| S [*] | = | 52.03 | |
| r1 min | = | 1.27 | |
| r2 | = | 2.54 | |

Collar

| | | | |
|------------------|---|------|--|
| H1 [*] | = | 8.01 | |
| H2 ¹⁾ | = | 8.01 | |

Projectile

| | | | |
|------|---|-------|--|
| G1 | = | 7.22 | |
| G2 | = | | |
| F | = | | |
| L3+G | = | 57.23 | |

Pressures (Energies)

Method Transducer

| | | | |
|------|---|------------|--|
| Pmax | = | 4400 bar | |
| PK | = | 5060 bar | |
| PE | = | 5500 bar | |
| M | = | 25.00 | |
| EE | = | 4725 Joule | |

Miscellaneous Dimensions

| | | | |
|--------------------|---|------|--|
| Fe ¹⁾³⁾ | = | 0.10 | |
| delta L | = | 0.11 | |

Notes: 1) Check for safety reasons
3) Headspace on Shoulder
* Basic dimensions

CHAMBER MINI

Lengths

| | | | |
|------------------|---|-------|--|
| L1 | = | 42.14 | |
| L2 | = | 46.12 | |
| L3 ¹⁾ | = | 53.59 | |

Breech

| | | | |
|----|---|-------|--|
| R | = | | |
| R1 | = | 14.19 | |
| R2 | = | | |
| R3 | = | | |
| r | = | | |

Powder Chamber

| | | | |
|------------------|---|-------|--|
| E | = | 3.36 | |
| P1 ¹⁾ | = | 14.15 | |
| P2 [*] | = | 13.70 | |

Junction Cone

| | | | |
|-----------------------|---|-------|--|
| alpha ^{1)*)} | = | 70° | |
| S [*] | = | 51.93 | |
| r1 max | = | 1.27 | |
| r2 | = | 3.05 | |

Collar

| | | | |
|------------------|---|------|--|
| H1 [*] | = | 8.13 | |
| H2 ¹⁾ | = | 8.13 | |

Commencement of Rifling

| | | | |
|--------------------|---|-------|--|
| G1 ^{1)*)} | = | 7.23 | |
| G ¹⁾ | = | 3.89 | |
| alpha 1 | = | 90° | |
| h [*] | = | 0.45 | |
| s | = | | |
| i ^{1)*)} | = | 1°30' | |
| w | = | | |

Barrel

| | | | |
|-------------------|---|------|--|
| F ^{1)*)} | = | 7.05 | |
| Z ¹⁾ | = | 7.21 | |

Grooves

| | | | |
|---|---|--------|-----------------|
| b | = | 4.06 | |
| N | = | 4 | |
| u | = | 215.90 | |
| Q | = | 40.42 | mm ² |