

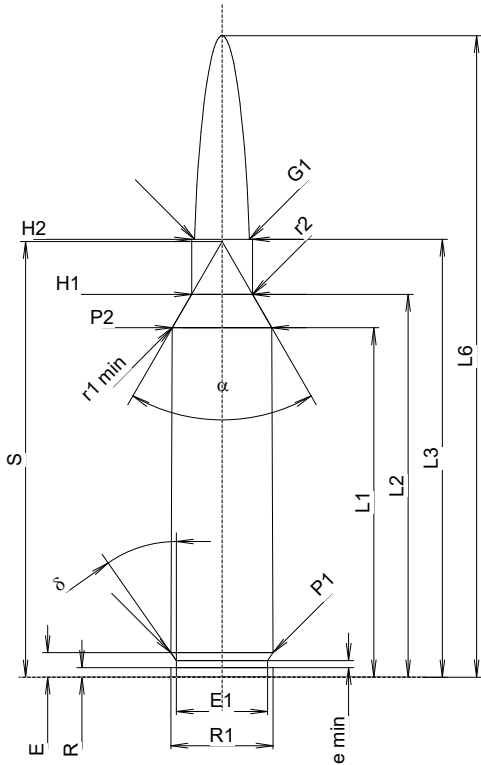
C.I.P.

7 mm Precision Rifle Cartridge

TAB.	I
Date	23-05-09
Revision	

Country of Origin: US

Alternative Names: 7 mm PRC



CARTRIDGE MAXI

Lengths

L1 ¹⁾ *	=	46.21	-0.20
L2 ¹⁾ *	=	50.63	-0.20
L3 ¹⁾	=	57.91	
L4	=		
L5	=		
L6	=	84.84	

Case Head

R	=	1.27	
R1	=	13.51	
R3	=		
E	=	3.24	
E1	=	12.07	
e min	=	0.94	
delta	=	35°	
f	=		
beta	=	35°	

Powder Chamber

P1	=	13.51	
P2 ¹⁾ *	=	13.15	-0.20

Junction Cone

alpha	=	60°	
S	=	57.61	
r1 min	=	0.76	
r2	=	3.18	

Collar

H1 *	=	8.05	
H2 ¹⁾	=	8.05	

Projectile

G1 ¹⁾	=	7.22	
G2	=		
F	=		
L3+G1 ¹⁾	=	67.94	

Pressures (Energies)

Method Transducer

Pmax	=	4400 bar	
PK	=	5060 bar	
PE	=	5500 bar	
M	=	25.00	
EE	=	4950 Joule	

Miscellaneous Dimensions

Fe	=	0.10	
delta L	=	0.09	

CHAMBER MINI

Lengths

L1 *	=	46.09	
L2 *	=	50.49	
L3 ¹⁾	=	58.17	

Breech

R	=		
R1	=	13.58	
R2	=		
R3	=		
r	=		

Powder Chamber

E	=	3.24	
P1 ¹⁾	=	13.55	
P2 *	=	13.18	

Junction Cone

alpha ¹⁾	=	60°	
S *	=	57.51	
r1 max	=	0.76	
r2	=	3.18	

Collar

H1 *	=	8.10	
H2 ¹⁾	=	8.08	

Commencement of Rifling

G1 ¹⁾ *	=	7.23	
G ¹⁾	=	10.03	
alpha1 *	=	90°	
h	=	0.43	
s	=	6.35	
i ¹⁾ *	=	1°30'	
w	=		

Barrel

F ¹⁾ *	=	7.04	
Z ¹⁾	=	7.21	

Grooves

b	=	2.79	
N	=	6	
u	=	203.20	
Q	=	40.39	mm ²

Scale 1:1

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

Notes: 1) Check for safety reasons
* Basic dimensions