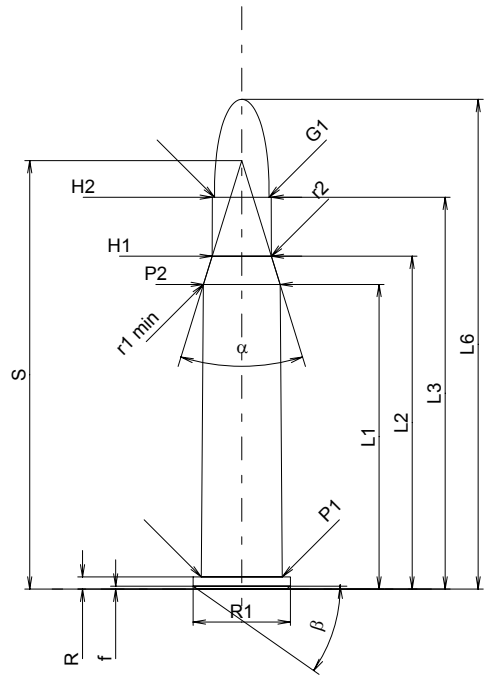
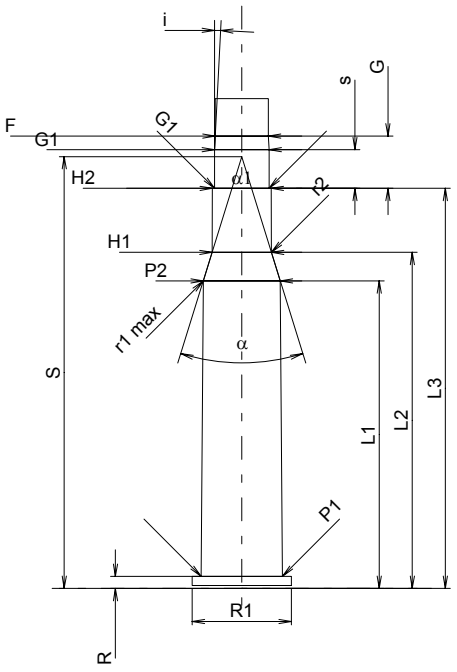
C.I.P.

7-30 Waters

Country of Origin: US

TAB.	**II**
Date	**91-02-19**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

Lengths

L1	=	40.29	
L2	=	44.02	
L3 1)	=	51.82	
L4	=		
L5	=		
L6	=	64.77	

Case Head

R 1)	=	1.60	-0.25
R1	=	12.85	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=	0.38	
β	=	35°	

Powder Chamber

P1	=	10.71
P2 *	=	10.14

Junction Cone

α *	=	34°24'
S *	=	56.67
r1 min	=	4.57
r2	=	6.35

Collar

H1 *	=	7.83
H2 1)	=	7.78

Projectile

G1 1)	=	7.23
G2	=	
F	=	
L3+G 1)	=	58.73

Pressures (Energies)
Method Transducer

Pmax	=	3400	bar
PK	=	3910	bar
PE	=	4250	bar
M	=	25.00	
EE	=	2760	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1	=	40.67
L2	=	44.45
L3 1)	=	52.92

Breech

R 1)	=	1.60
R1	=	13.11
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 1)	=	10.75
P2 *	=	10.18

Junction Cone

α *	=	34°25'58"
S *	=	57.11
r1 max	=	4.32
r2	=	6.35

Collar

H1 *	=	7.84
H2 1)	=	7.79

Commencement of Rifling

G1 1)*	=	7.23
G 1)	=	6.91
α1 *	=	180°
h	=	
s	=	5.10
i 1)*	=	3°
w	=	

Barrel

F 1)*	=	7.04
Z 1)	=	7.21

Grooves

b	=	2.79	
N	=	6	
u	=	241.30	
Q	=	40.26	mm²

Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels see Appendix CR 1.

Notes: 1) Check for safety reasons
* Basic dimensions