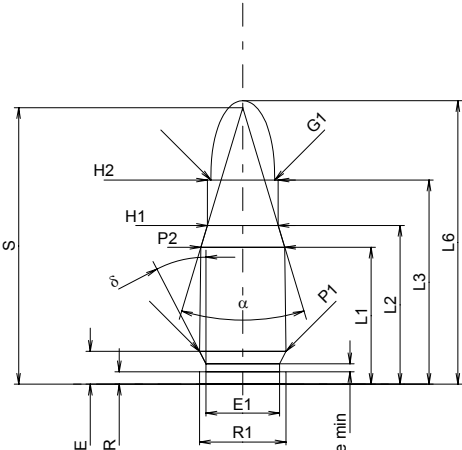
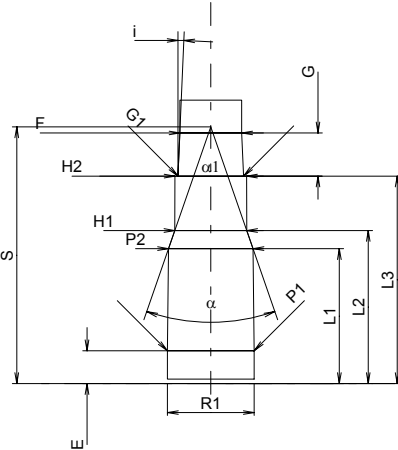
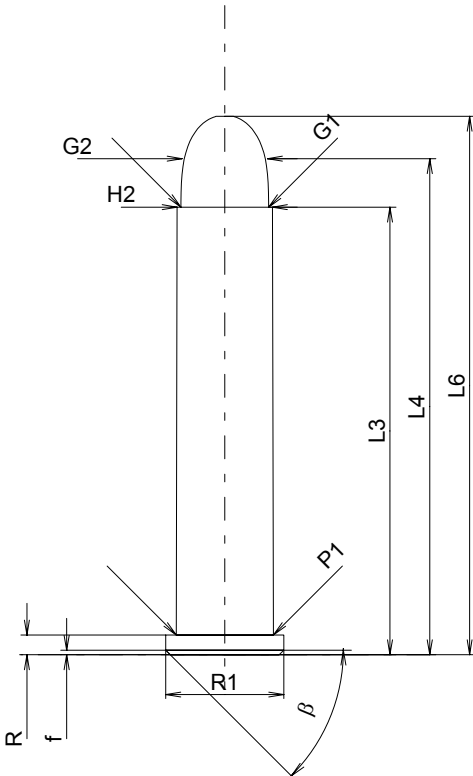
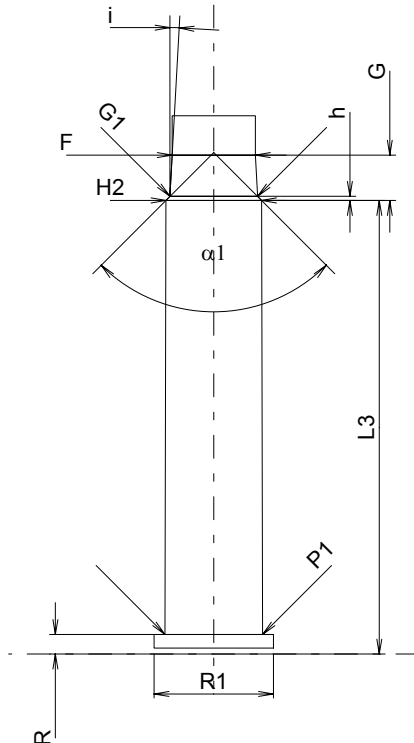


C.I.P.	5,45 x 18 Country of Origin: SU	TAB. IV
		Date 93-05-24
		Revision 00-06-07
	CARTRIDGE MAXI Lengths L1 ¹⁾ * = 12.07 -0.20 L2 ¹⁾ * = 14.00 -0.20 L3 ¹⁾ = 18.00 L4 = L5 = L6 = 25.00 Case Head R = 1.10 R1 = 7.62 R3 = E = 2.90 E1 = 6.48 e min = 0.70 δ = 27°23'24" f = β = Powder Chamber P1 = 7.62 P2 ¹⁾ * = 7.40 -0.20 Junction Cone α = 33°27'10" S = 24.38 r1 min = r2 = Collar H1 * = 6.24 H2 ¹⁾ = 6.24 Projectile G1 ¹⁾ = 5.62 G2 = F = L3+G ¹⁾ = 21.80 Pressures (Energies) Method Transducer Pmax = 1750 bar PK = 2013 bar PE = 2275 bar M = 9.00 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 * = 11.90 L2 * = 13.50 L3 ¹⁾ = 18.30 Breech R = 1.10 R1 = 7.65 R2 = R3 = r = Powder Chamber E = 2.90 P1 ¹⁾ = 7.65 P2 * = 7.45 Junction Cone α ¹⁾ = 38°15'39" S = 22.64 r1 max = r2 = Collar H1 * = 6.34 H2 ¹⁾ = 6.31 Commencement of Rifling G1 ¹⁾ * = 5.77 G ¹⁾ * = 3.80 α1 = 180° h = s = i ¹⁾ = 2°24'40" w = Barrel F ¹⁾ * = 5.45 Z ¹⁾ = 5.62 Grooves b = 2.00 N = 6 u = 476.00 Q = 24.37 mm ²
	Notes: 1) Check for safety reasons * Basic dimensions	
Scale 1.5:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		

C.I.P.	5,75 Velodog	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: FR			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 29.60 L4 = 32.80 L5 = L6 = 35.60 Case Head R ¹⁾ = 1.30 -0.25 R1 = 7.80 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 6.42 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 6.30 Projectile G1 ¹⁾ = 5.79 G2 = 5.65 F = L3+G ¹⁾ = 32.60 Pressures (Energies) Method Transducer Pmax = 680 bar PK = 782 bar PE = 884 bar M = 17.50 Pressures (Energies) Method Transducer Pmax = 680 bar PK = 782 bar PE = 884 bar M = 17.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 30.00 Breech R ¹⁾ = 1.30 R1 = 7.90 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 6.45 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 6.33 Commencement of Rifling G1 ^{1)*} = 5.80 G ^{1)*} = 3.00 α1 = 90° h * = 0.27 s = i ¹⁾ = 3°08'42" w = Barrel F ^{1)*} = 5.50 Z ¹⁾ = 5.75 Grooves b = 2.30 N = 4 u = 454.00 Q = 24.94 mm ²	
			
Scale 2:1		Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.

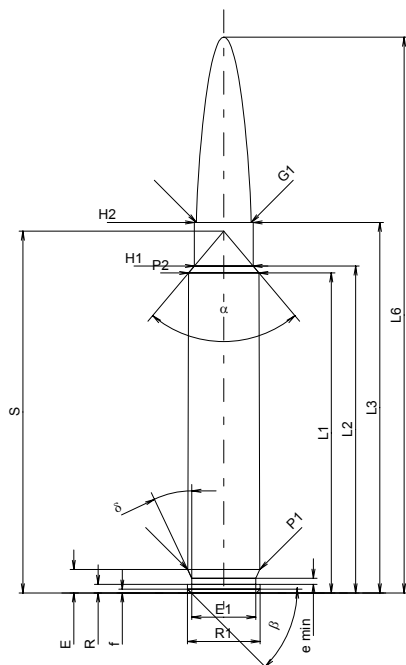
7x49 GJW

TAB. IV

Date 91-02-19

Revision 00-06-07

Country of Origin: DE



CARTRIDGE MAXI

Lengths

L1 ¹⁾ *	=	42.32	-0.20
L2 ¹⁾ *	=	43.23	-0.20
L3 ¹⁾	=	49.00	
L4	=		
L5	=		
L6	=	73.50	

Case Head

R	=	1.14	
R1	=	9.60	
R3	=		
E	=	3.10	
E1	=	8.44	
e min	=	0.80	
delta	=	25°22'18"	
f	=	0.50	
beta	=	45°	

Powder Chamber

P1	=	9.54	
P2 ¹⁾ *	=	9.30	-0.20

Junction Cone

alpha	=	80°06'18"	
S	=	47.85	
r1 min	=		
r2	=		

Collar

H1 *	=	7.77	
H2 ¹⁾	=	7.77	

Projectile

G1 ¹⁾	=	7.25	
G2	=		
F	=		
L3+G ¹⁾	=	61.09	

Pressures (Energies)

Method Transducer

Pmax	=	4700 bar	
PK	=	5405 bar	
PE	=	6110 bar	
M	=	25.00	

Miscellaneous Dimensions

Fe ¹⁾	=	0.10	
delta L	=		

CHAMBER MINI

Lengths

L1 *	=	42.30	
L2 *	=	43.19	
L3 ¹⁾	=	49.50	

Breech

R	=	1.14	
R1	=	9.63	
R2	=		
R3	=		
r	=		

Powder Chamber

E	=	3.10	
P1 ¹⁾	=	9.57	
P2 *	=	9.33	

Junction Cone

alpha ¹⁾	=	80°14'27"	
S	=	47.84	
r1 max	=		
r2	=		

Collar

H1 *	=	7.83	
H2 ¹⁾	=	7.80	

Commencement of Rifling

G1 ¹⁾ *	=	7.30	
G ¹⁾ *	=	12.09	
alpha 1	=	90°	
h	=	0.25	
s *	=	5.60	
i ¹⁾	=	1°30'	
w	=		

Barrel

F ¹⁾ *	=	6.96	
Z ¹⁾	=	7.20	

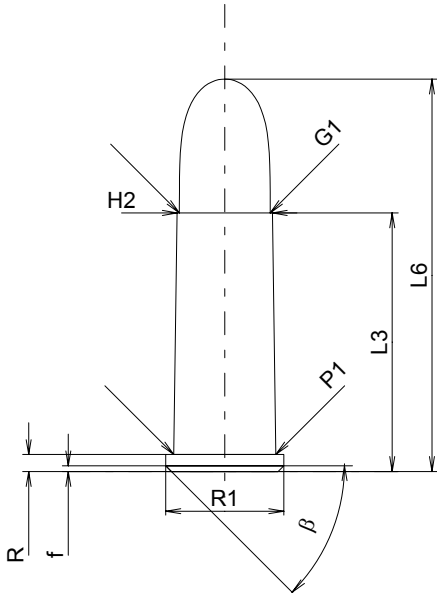
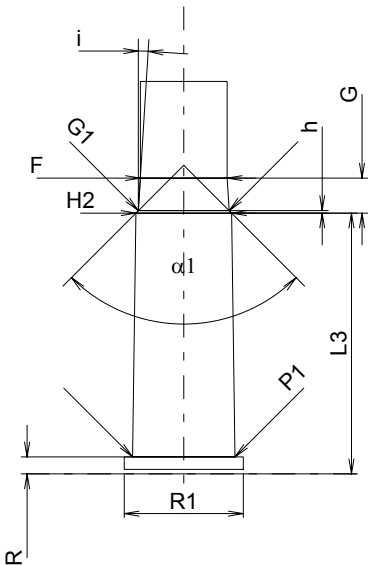
Grooves

b	=	3.70	
N	=	4	
u	=	228.00	
Q	=	39.91	mm ²

Scale 1:1

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

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.	7,5 Ord. Suisse Country of Origin: CH	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 22.80 L4 = L5 = L6 = 34.60 Case Head R ¹⁾ = 1.50 -0.25 R1 = 10.40 R3 = E = E1 = e min = δ = f = 0.50 β = 45° Powder Chamber P1 = 9.00 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.40 Projectile G1 ¹⁾ = 8.00 G2 = F = L3+G ¹⁾ = 25.88 Pressures (Energies) Method Transducer Pmax = 1850 bar PK = 2128 bar PE = 2405 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 23.00 Breech R ¹⁾ = 1.50 R1 = 10.50 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.03 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.43 Commencement of Rifling G1 ^{1)*} = 8.00 G * = 3.08 α1 * = 90° h = 0.22 s = i ^{1)*} = 30°30' w = Barrel F ^{1)*} = 7.65 Z ¹⁾ = 8.00 Grooves b = 2.40 N = 4 u = 350.00 Q = 47.67 mm²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	Notes: 1) Check for safety reasons * Basic dimensions		

C.I.P.

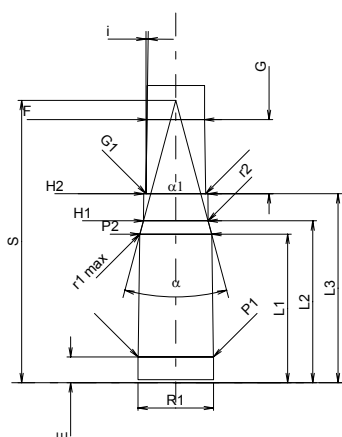
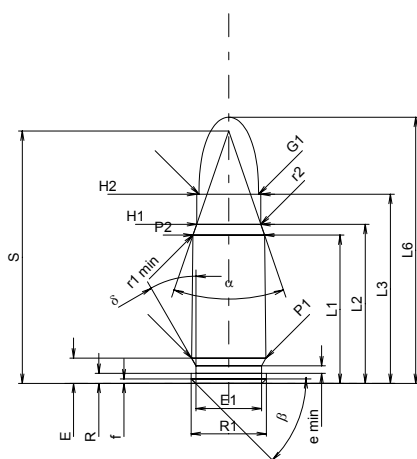
7,62 x 25 Tokarev

TAB. IV

Date 90-04-04

Revision 00-06-07

Country of Origin: SU



Scale 1:1

CARTRIDGE MAXI

Lengths

L1 ¹⁾ *	=	19.60	-0.20
L2 ¹⁾ *	=	21.04	-0.20
L3 ¹⁾	=	25.00	
L4	=		
L5	=		
L6	=	35.20	

Case Head

R	=	1.32	
R1	=	9.95	
R3	=		
E	=	3.34	
E1	=	8.65	
e min	=	1.00	
delta	=	30°	
f	=	0.60	
beta	=	45°	

Powder Chamber

P1	=	9.83	
P2 ¹⁾ *	=	9.48	-0.20

Junction Cone

alpha	=	38°	
S	=	33.37	
r1 min	=	0.50	
r2	=	2.00	

Collar

H1 *	=	8.49	
H2 ¹⁾	=	8.49	

Projectile

G1 ¹⁾	=	7.90	
G2	=		
F	=		
L3+G ¹⁾	=	34.80	

Pressures (Energies)

Method Transducer

Pmax	=	2400 bar	
PK	=	2760 bar	
PE	=	3120 bar	
M	=	17.50	

Miscellaneous Dimensions

Fe ¹⁾	=	0.20	
delta L	=		

CHAMBER MINI

Lengths

L1 *	=	19.65	
L2 *	=	21.42	
L3 ¹⁾	=	25.00	

Breech

R	=	1.40	
R1	=	10.00	
R2	=		
R3	=		
r	=		

Powder Chamber

E	=	3.40	
P1 ¹⁾	=	9.95	
P2 *	=	9.50	

Junction Cone

alpha ¹⁾	=	30°02'38"	
S	=	37.35	
r1 max	=	0.50	
r2	=	1.00	

Collar

H1 *	=	8.55	
H2 ¹⁾	=	8.50	

Commencement of Rifling

G1 ¹⁾ *	=	7.90	
G ¹⁾ *	=	9.80	
alpha l	=	180°	
h	=		
s	=		
i ¹⁾	=	0°49'05"	
w	=		

Barrel

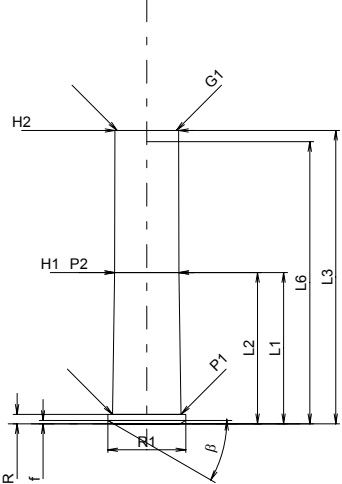
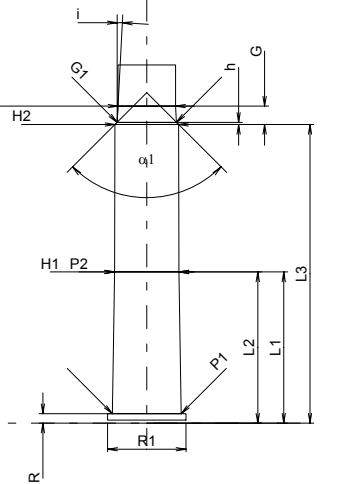
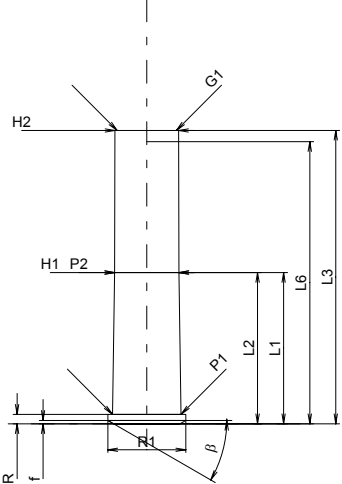
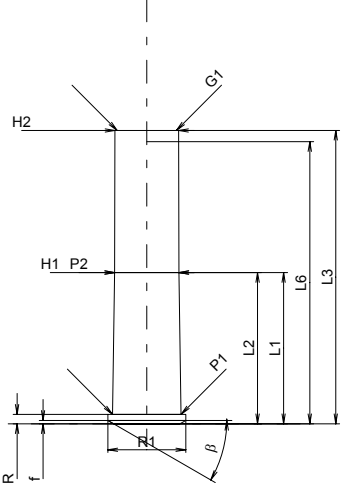
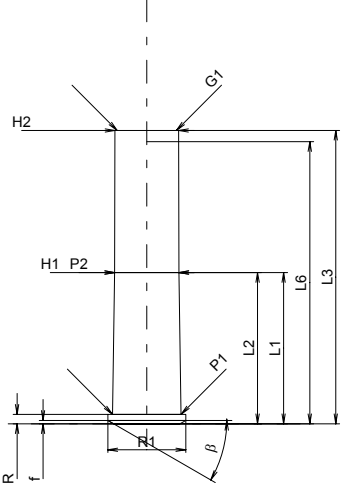
F ¹⁾ *	=	7.62	
Z ¹⁾	=	7.92	

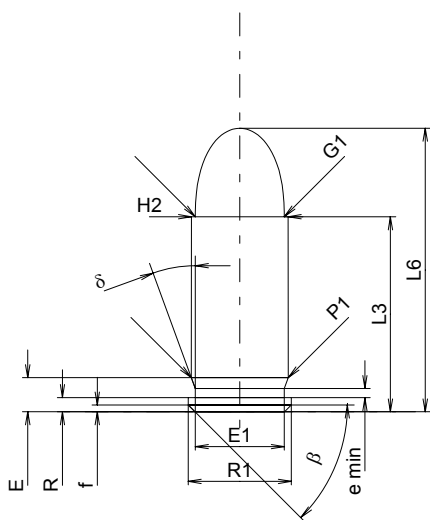
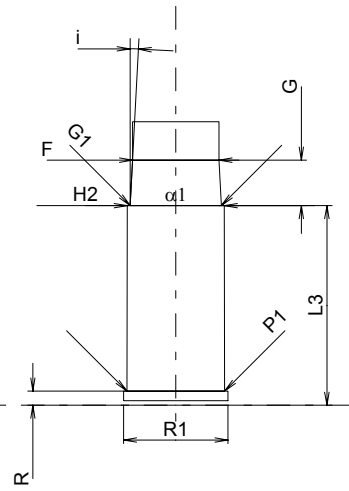
Grooves

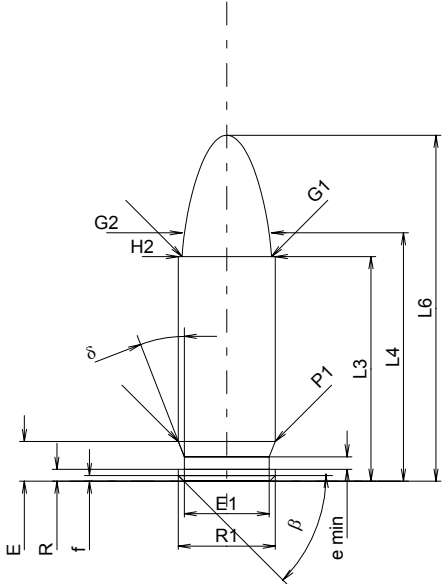
b	=	3.81	
N	=	4	
u	=	240.00	
Q	=	47.99	mm ²

Notes: 1) Check for safety reasons
* Basic dimensions

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

C.I.P.	7,62 Nagant	TAB. IV	
		Date	84-06-14
		Revision	00-06-07
	CARTRIDGE MAXI		CHAMBER MINI
	Lengths L1 * = 20.00 L2 * = 20.00 L3 1) = 38.80 L4 = L5 = L6 = 37.30		Lengths L1 * = 20.00 L2 * = 20.00 L3 1) = 39.50
	Case Head R 1) = 1.25 -0.25 R1 = 10.30 R3 = E = E1 = e min = delta = f = 0.44 beta = 30°		Breech R 1) = 1.25 R1 = 10.35 R2 = R3 = r =
	Powder Chamber P1 = 9.06 P2 * = 8.51		Powder Chamber E = P1 1) = 9.10 P2 * = 8.53
	Junction Cone alpha = S = r1 min = r2 =		Junction Cone alpha = S = r1 max = r2 =
	Collar H1 * = 8.51 H2 1) = 8.42		Collar H1 * = 8.53 H2 1) = 8.41
	Projectile G1 1) = 7.82 G2 = F = L3+G 1) = 41.23		Commencement of Rifling G1 1)* = 7.85 G 1)* = 2.43 alpha1 = 90° h * = 0.28 s = i 1) = 3°03'42" w =
	Pressures (Energies) Method Transducer Pmax = 770 bar PK = 886 bar PE = 1001 bar M = 17.50		Barrel F 1)* = 7.62 Z 1) = 7.82
	Miscellaneous Dimensions Fe 1) = 0.25 delta L =		Grooves b = 3.81 N = 4 u = 240.00 Q = 47.99 mm²
Scale 1:1		Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	7,65 mm Browning	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: BE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 17.20 L4 = L5 = L6 = 25.00 Case Head R ¹⁾ = 1.25 -0.25 R1 = 9.10 R3 = E = 3.01 E1 = 7.85 e min = 0.80 δ = 20° f = 0.60 β = 45° Powder Chamber P1 = 8.55 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.52 Projectile G1 ¹⁾ = 7.85 G2 = F = L3+G ¹⁾ = 21.21 Pressures (Energies) Method Transducer Pmax = 1600 bar PK = 1840 bar PE = 2080 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 17.60 Breech R ¹⁾ = 1.25 R1 = 9.20 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.62 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.55 Commencement of Rifling G1 ^{1)*} = 8.05 G ^{1)*} = 4.01 α1 = 180° h = s = i ¹⁾ = 2°59'52" w = Barrel F ^{1)*} = 7.63 Z ¹⁾ = 7.83 Grooves b = 2.69 N = 6 u = 250.00 Q = 47.37 mm²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	7,65 Long Country of Origin: FR	TAB. IV
		Date 92-04-17
		Revision 00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 19.80 -0.25 L4 = 21.90 L5 = L6 = 30.50 Case Head R = 1.05 R1 = 8.55 R3 = E = 3.50 E1 = 7.50 e min = 1.10 δ = 21°15'02" f = 0.50 β = 45° Powder Chamber P1 = 8.55 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.55 Projectile G1 ¹⁾ = 7.88 G2 = 7.88 F = L3+G ¹⁾ = 29.80 Pressures (Energies) Method Transducer Pmax = 1650 bar PK = 1898 bar PE = 2145 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 19.80 Breech R = 1.10 R1 = 8.60 R2 = R3 = r = Powder Chamber E = 3.70 P1 ¹⁾ = 8.57 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.55 Commencement of Rifling G1 ^{1)*} = 7.92 G ^{1)*} = 10.00 α 1 = 180° h = s = i ¹⁾ = 0°46'25" w = Barrel F ^{1)*} = 7.65 Z ¹⁾ = 7.91 Grooves b = 4.23 N = 4 u = 254.00 Q = 48.29 mm ²
Scale 1.5:1	Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		

C.I.P.

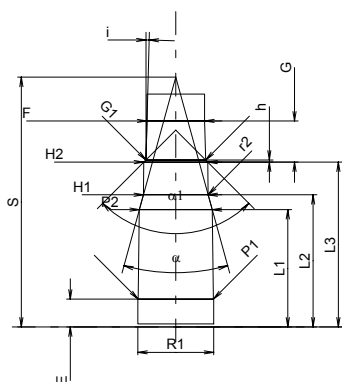
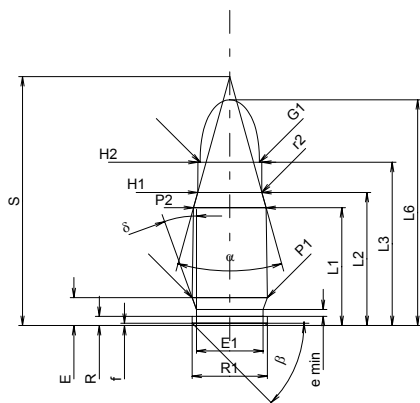
7,65 Parabellum

TAB. IV

Date 84-06-14

Revision 00-06-07

Country of Origin: DE



CARTRIDGE MAXI

Lengths

L1 ¹⁾ *	=	15.58	-0.20
L2 ¹⁾ *	=	17.62	-0.20
L3 ¹⁾	=	21.59	
L4	=		
L5	=		
L6	=	29.85	

Case Head

R	=	1.22	
R1	=	9.98	
R3	=		
E	=	3.69	
E1	=	8.79	
e min	=	0.90	
δ	=	20°	
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	9.93	
P2 ¹⁾ *	=	9.61	-0.20

Junction Cone

α	=	30°57'41"	
S	=	32.93	
r1 min	=		
r2	=	2.50	

Collar

H1 *	=	8.48	
H2 ¹⁾	=	8.43	

Projectile

G1 ¹⁾	=	7.85	
G2	=		
F	=		
L3+G ¹⁾	=	27.05	

Pressures (Energies)

Method Transducer

Pmax	=	2350 bar	
PK	=	2703 bar	
PE	=	3055 bar	
M	=	12.50	

Miscellaneous Dimensions

Fe ¹⁾	=	0.20	
delta L	=		

CHAMBER MINI

Lengths

L1 *	=	15.52	
L2 *	=	17.50	
L3 ¹⁾	=	21.80	

Breech

R	=	1.22	
R1	=	10.03	
R2	=		
R3	=		
r	=		

Powder Chamber

E	=	3.69	
P1 ¹⁾	=	9.96	
P2 *	=	9.64	

Junction Cone

α ¹⁾	=	30°46'44"	
S	=	33.03	
r1 max	=		
r2	=	2.50	

Collar

H1 *	=	8.55	
H2 ¹⁾	=	8.48	

Commencement of Rifling

G1 ¹⁾ *	=	7.90	
G ¹⁾ *	=	5.46	
α1	=	90°	
h *	=	0.29	
s	=		
i ¹⁾	=	1°33'04"	
w	=		

Barrel

F ¹⁾ *	=	7.62	
Z ¹⁾	=	7.83	

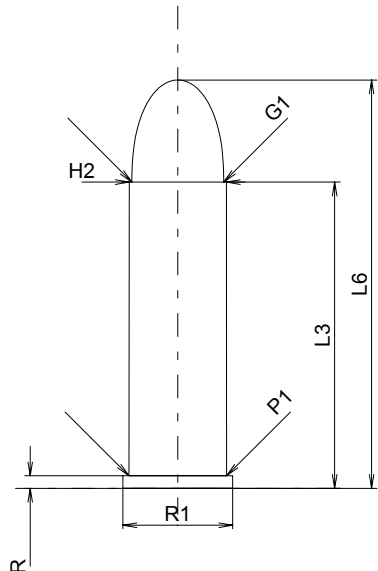
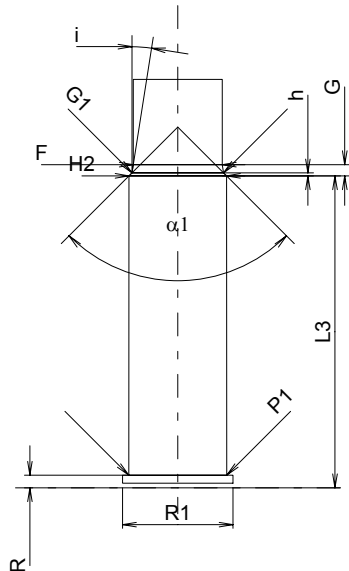
Grooves

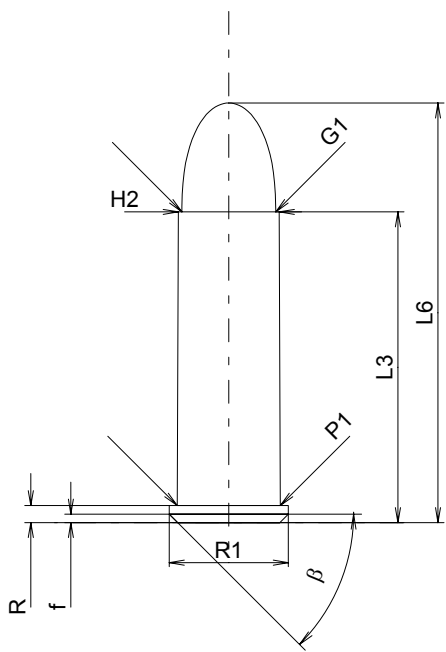
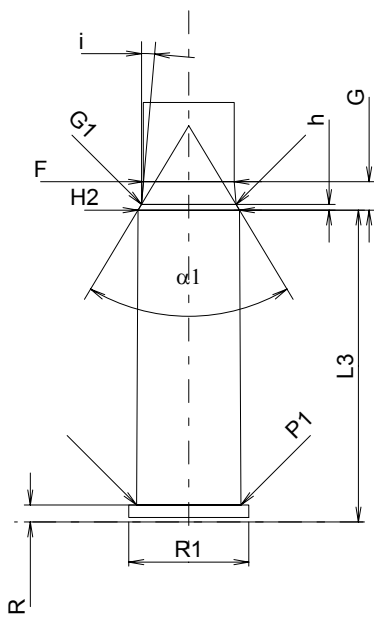
b	=	3.05	
N	=	4	
u	=	275.00	
Q	=	46.92	mm ²

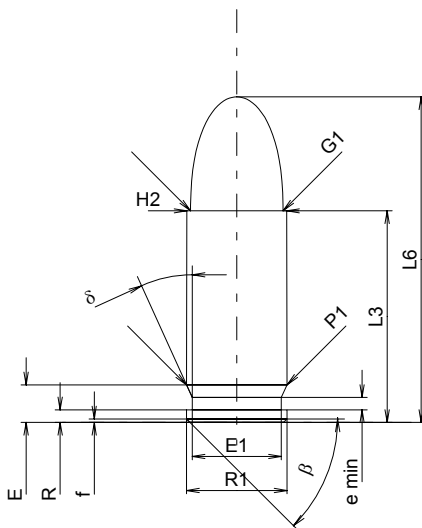
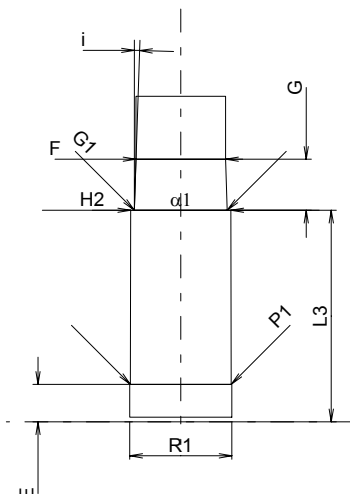
Scale 1:1

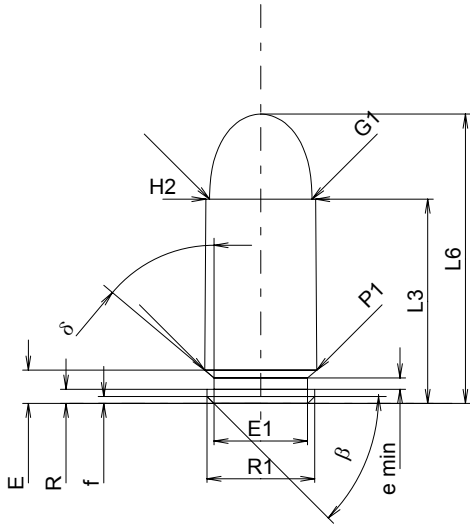
Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

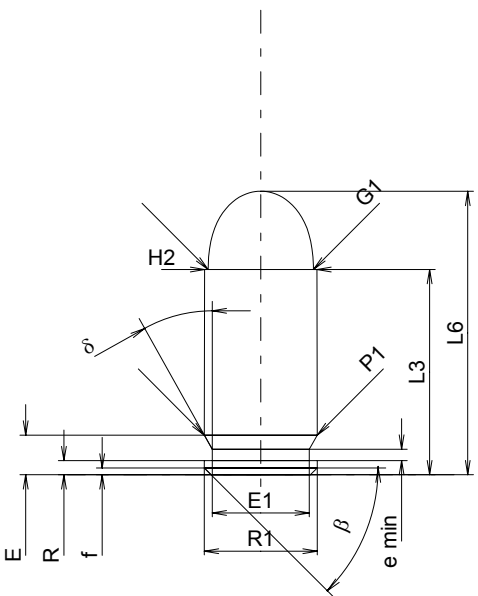
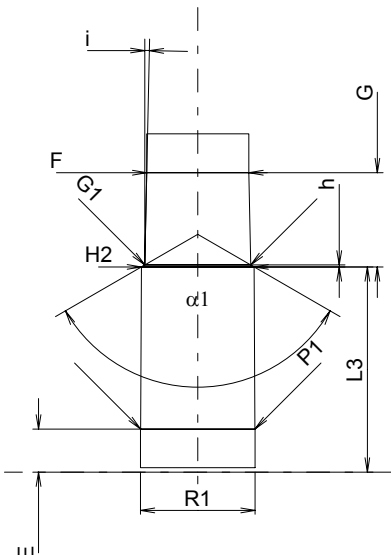
Notes: 1) Check for safety reasons
* Basic dimensions

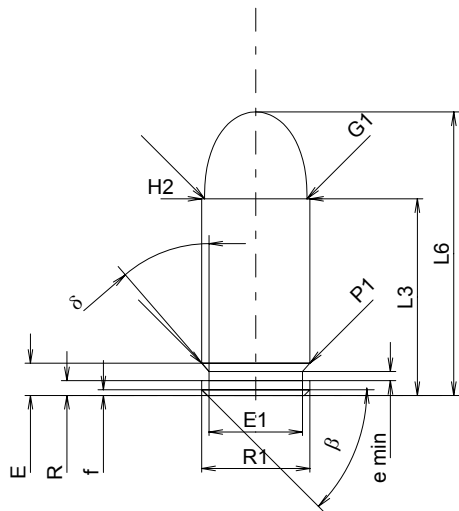
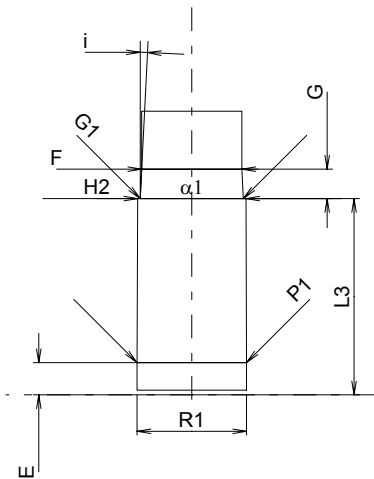
C.I.P.	8 mm Gasser	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: AT			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 27.00 L4 = L5 = L6 = 36.00 Case Head R ¹⁾ = 1.10 -0.25 R1 = 9.68 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 8.60 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.56 Projectile G1 ¹⁾ = 8.11 G2 = F = L3+G ¹⁾ = 27.99 Pressures (Energies) Method Transducer Pmax = 1000 bar PK = 1150 bar PE = 1300 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 27.50 Breech R ¹⁾ = 1.10 R1 = 9.75 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.64 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.60 Commencement of Rifling G1 ^{1)*} = 8.08 G ^{1)*} = 0.99 α1 = 90° h * = 0.26 s = i ¹⁾ = 8°57'09" w = Barrel F ^{1)*} = 7.85 Z ¹⁾ = 8.05 Grooves b = 3.00 N = 6 u = 150.00 Q = 50.24 mm ²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

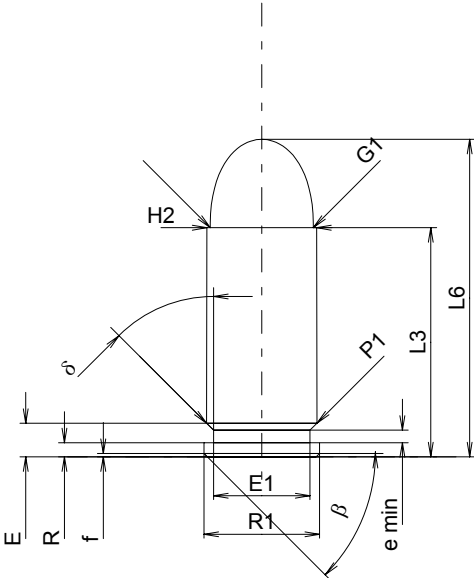
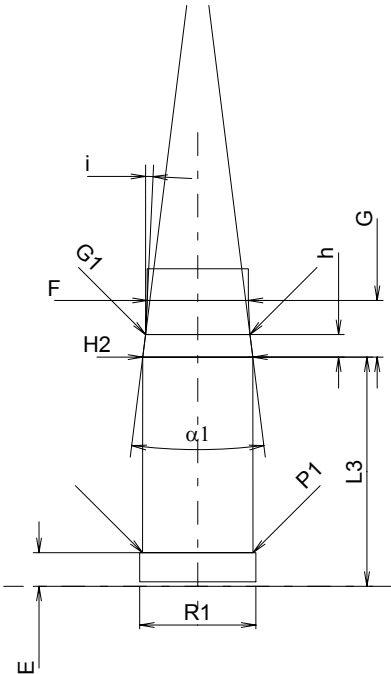
C.I.P.	8 mm Lebel	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: FR			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 27.40 L4 = 32.00 L5 = L6 = 37.00 Case Head R ¹⁾ = 1.50 -0.25 R1 = 10.50 R3 = E = E1 = e min = δ = f = 0.75 β = 45° Powder Chamber P1 = 9.10 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.90 Projectile G1 ¹⁾ = 8.28 G2 = F = L3+G ¹⁾ = 29.90 Pressures (Energies) Method Transducer Pmax = 1250 bar PK = 1438 bar PE = 1625 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 27.50 Breech R ¹⁾ = 1.50 R1 = 10.60 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.20 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.95 Commencement of Rifling G1 ^{1)*} = 8.35 G ^{1)*} = 2.50 α1 = 62° h* = 0.50 s = i ¹⁾ = 5° w = Barrel F ^{1)*} = 8.00 Z ¹⁾ = 8.30 Grooves b = 4.19 N = 4 u = 240.00 Q = 52.91 mm²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

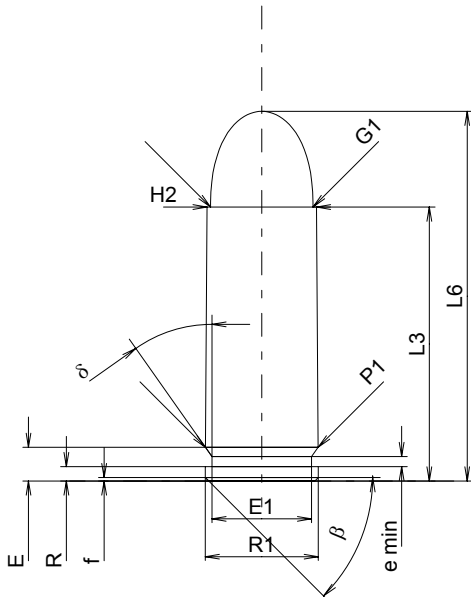
C.I.P.	8 mm Steyr	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: AT			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 18.65 -0.25 L4 = L5 = L6 = 28.70 Case Head R = 1.10 R1 = 8.85 R3 = E = 3.30 E1 = 7.85 e min = 1.10 δ = 24°26'38" f = 0.30 β = 45° Powder Chamber P1 = 8.85 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.80 Projectile G1 ¹⁾ = 8.15 G2 = F = L3+G ¹⁾ = 23.15 Pressures (Energies) Method Transducer Pmax = 2100 bar PK = 2415 bar PE = 2730 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 18.65 Breech R = R1 = 9.00 R2 = R3 = r = Powder Chamber E = 3.30 P1 ¹⁾ = 8.88 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.83 Commencement of Rifling G1 ^{1)*} = 8.20 G ^{1)*} = 4.50 α 1 = 180° h = s = i ¹⁾ = 1°54'33" w = Barrel F ^{1)*} = 7.90 Z ¹⁾ = 8.15 Grooves b = 3.00 N = 4 u = 250.00 Q = 50.55 mm ²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

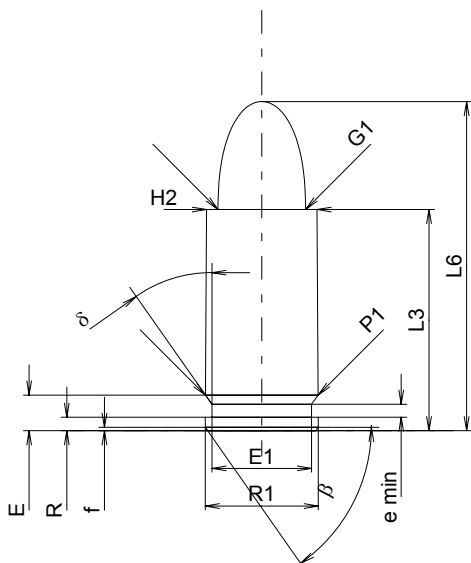
C.I.P.	9 x 18	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
	Country of Origin: DE/AT		
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 18.00 -0.25 L4 = L5 = L6 = 25.50 Case Head R = 1.25 R1 = 9.50 R3 = E = 2.93 E1 = 8.25 e min = 1.00 δ = 49°59'24" f = 0.60 β = 45° Powder Chamber P1 = 9.87 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.68 Projectile G1 ¹⁾ = 9.02 G2 = F = L3+G ¹⁾ = 20.58 Pressures (Energies) Method Transducer Pmax = 1800 bar PK = 2070 bar PE = 2340 bar M = 9.00 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 17.95 Breech R = R1 = 9.97 R2 = R3 = r = Powder Chamber E = 2.93 P1 ¹⁾ = 9.93 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.70 Commencement of Rifling G1 ^{1)*} = 9.09 G ^{1)*} = 2.58 α1 = 180° h = s = i ¹⁾ = 2°59'43" w = Barrel F ^{1)*} = 8.82 Z ¹⁾ = 9.02 Grooves b = 2.49 N = 6 u = 250.00 Q = 62.61 mm²	
Scale 1.5:1	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

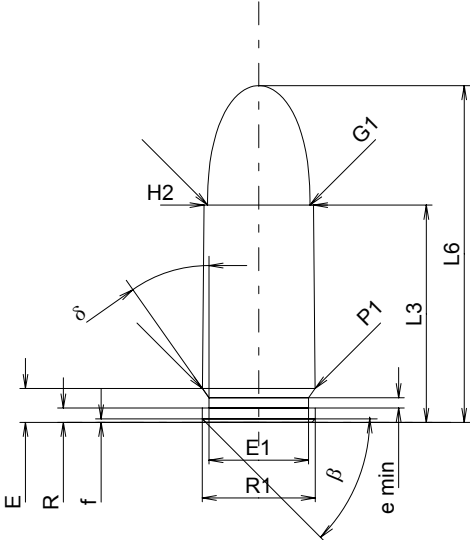
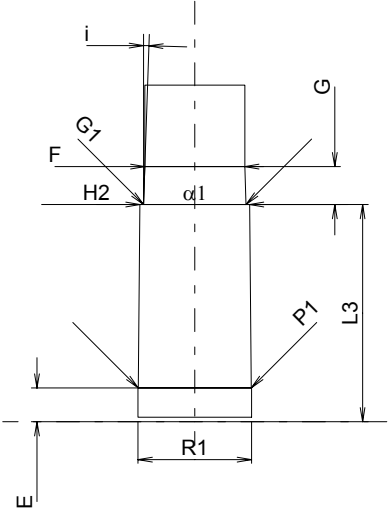
C.I.P.	9 mm Makarov	TAB.	IV
		Date	91-09-20
		Revision	00-06-07
Country of Origin: SU			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 18.10 -0.25 L4 = L5 = L6 = 25.00 Case Head R = 1.25 R1 = 9.95 R3 = E = 3.50 E1 = 8.55 e min = 1.00 δ = 29°15' f = 0.60 β = 45° Powder Chamber P1 = 9.95 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.91 Projectile G1 ¹⁾ = 9.27 G2 = F = L3+G ¹⁾ = 26.40 Pressures (Energies) Method Transducer Pmax = 1600 bar PK = 1840 bar PE = 2080 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 18.10 Breech R = R1 = 10.10 R2 = R3 = r = Powder Chamber E = 3.80 P1 ¹⁾ = 10.07 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.93 Commencement of Rifling G1 ^{1)*} = 9.35 G ^{1)*} = 8.30 α1 = 120° h* = 0.17 s = i ¹⁾ = 1°13'59" w = Barrel F ^{1)*} = 9.00 Z ¹⁾ = 9.27 Grooves b = 4.50 N = 4 u = 240.00 Q = 66.16 mm ²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

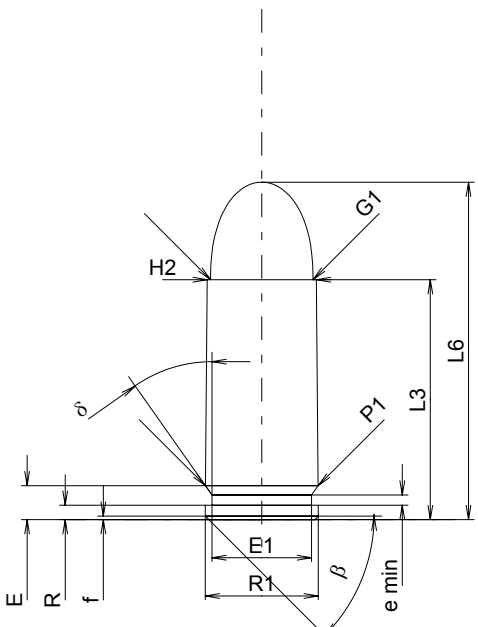
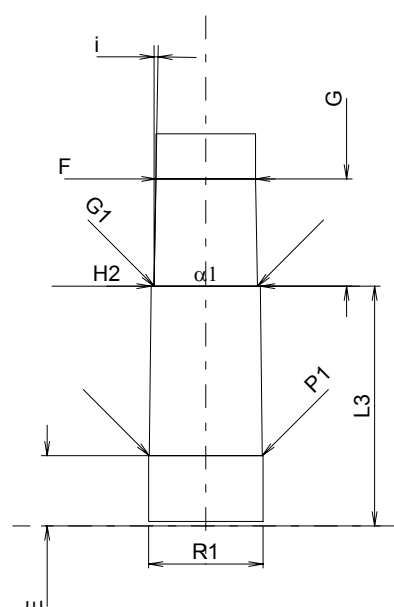
C.I.P.	9 mm Browning court	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: BE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 17.33 -0.25 L4 = L5 = L6 = 25.00 Case Head R = 1.30 R1 = 9.53 R3 = E = 2.84 E1 = 8.25 e min = 0.80 δ = 40° f = 0.50 β = 45° Powder Chamber P1 = 9.53 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.53 Projectile G1 ¹⁾ = 9.04 G2 = F = L3+G ¹⁾ = 19.93 Pressures (Energies) Method Transducer Pmax = 1350 bar PK = 1553 bar PE = 1755 bar M = 9.00 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 17.30 Breech R = R1 = 9.66 R2 = R3 = r = Powder Chamber E = 2.84 P1 ¹⁾ = 9.65 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.55 Commencement of Rifling G1 ^{1)*} = 9.10 G ^{1)*} = 2.60 α1 = 180° h = s = i ¹⁾ = 2°51'45" w = Barrel F ^{1)*} = 8.84 Z ¹⁾ = 9.04 Grooves b = 3.07 N = 6 u = 250.00 Q = 63.26 mm²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

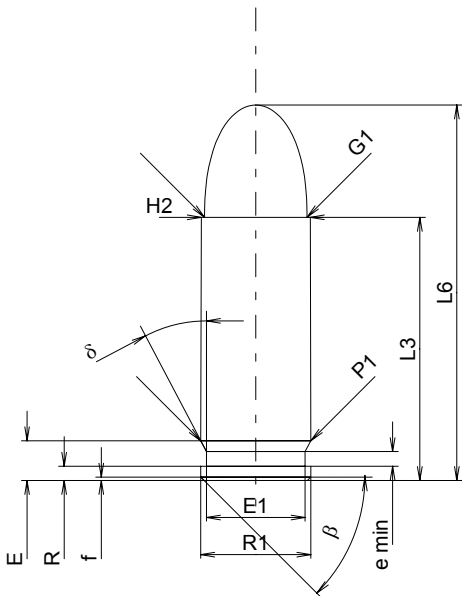
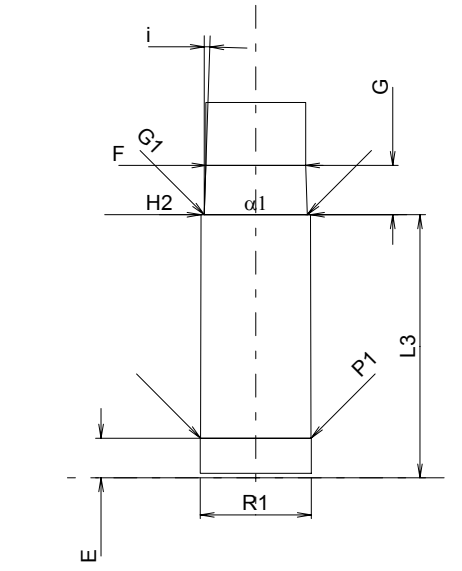
C.I.P.	9 mm Browning long	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: BE			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 20.20 L4 = L5 = L6 = 28.00 Case Head R ¹⁾ = 1.25 -0.25 R1 = 10.20 R3 = E = 2.96 E1 = 8.50 e min = 1.10 δ = 45° f = 0.30 β = 45° Powder Chamber P1 = 9.72 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.68 Projectile G1 ¹⁾ = 9.09 G2 = F = L3+G ¹⁾ = 25.20 Pressures (Energies) Method Transducer Pmax = 1650 bar PK = 1898 bar PE = 2145 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 δ L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 20.20 Breech R ¹⁾ = 1.25 R1 = 10.25 R2 = R3 = r = Powder Chamber E = 2.96 P1 ¹⁾ = 9.75 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.70 Commencement of Rifling G1 ^{1)*} = 9.20 G ^{1)*} = 5.00 α 1 = 14°15' h * = 2.00 s = i ¹⁾ = 2°40'18" w = Barrel F ^{1)*} = 8.92 Z ¹⁾ = 9.12 Grooves b = 3.76 N = 6 u = 400.00 Q = 64.82 mm ²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

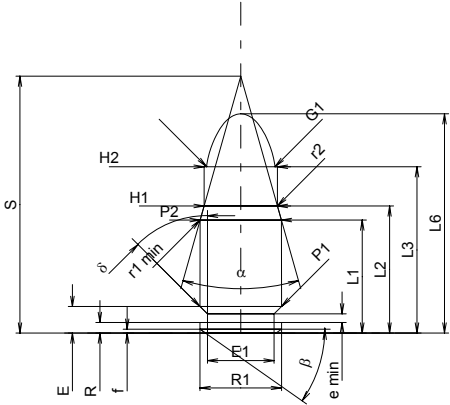
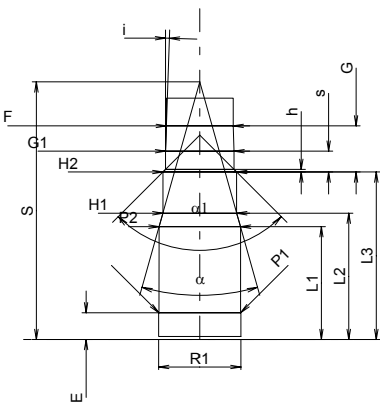
C.I.P.	9 mm FAR	TAB.	IV
		Date	00-09-15
		Revision	
Country of Origin: IT			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 24.15 -0.25 L4 = L5 = L6 = 32.60 Case Head R = 1.27 R1 = 9.96 R3 = E = 2.97 E1 = 8.79 e min = 0.89 δ = 35° f = 0.30 β = 45° Powder Chamber P1 = 9.93 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.65 Projectile G1 ¹⁾ = 9.03 G2 = F = L3+G ¹⁾ = 27.50 Pressures (Energies) Method Transducer Pmax = 2600 bar PK = 2990 bar PE = 3380 bar M = 12.50 Pressures (Energies) Method Transducer Pmax = 2600 bar PK = 2990 bar PE = 3380 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 24.15 Breech R = R1 = 10.00 R2 = R3 = r = Powder Chamber E = 2.97 P1 ¹⁾ = 9.96 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.68 Commencement of Rifling G1 ^{1)*} = 9.05 G ^{1)*} = 3.35 α1 = 180° h = s = i ¹⁾ = 1°57'58" w = Barrel F ^{1)*} = 8.82 Z ¹⁾ = 9.02 Grooves b = 2.49 N = 6 u = 250.00 Q = 62.61 mm²	
Scale 1.5:1		Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

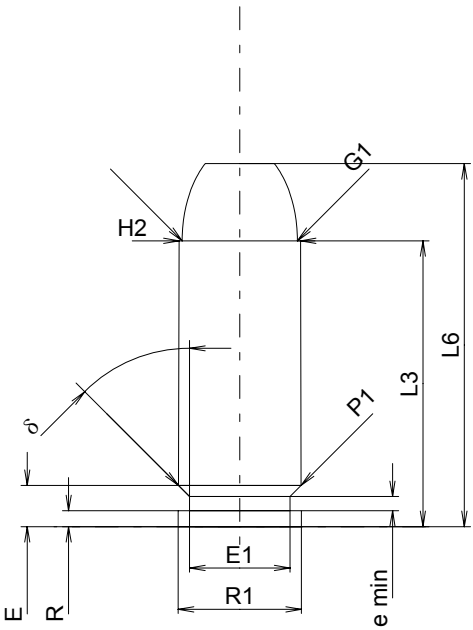
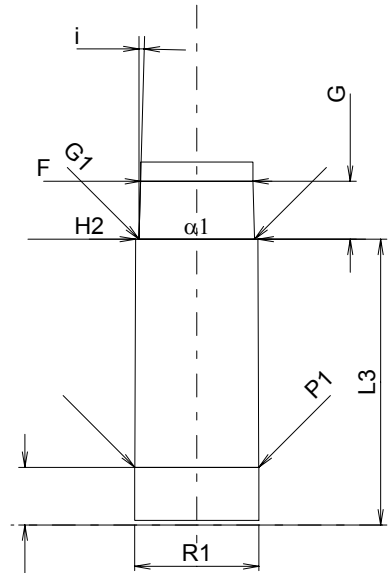
C.I.P.	9 mm FX & CQT	TAB.	IV
		Date	98-01-27
		Revision	00-06-07
Country of Origin: CA			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 19.51 -0.25 L4 = L5 = L6 = 29.03 Case Head R = 1.19 R1 = 9.96 R3 = E = 3.14 E1 = 8.79 e min = 1.14 δ = 35° f = 0.30 β = 55° Powder Chamber P1 = 9.93 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.75 Projectile G1 ¹⁾ = 7.72 G2 = F = L3+G ¹⁾ = 22.69 Pressures (Energies) Method Transducer Pmax = 350 bar PK = 403 bar PE = 455 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = 14.00 L3 ¹⁾ = 19.51 Breech R = R1 = 9.96 R2 = R3 = r = Powder Chamber E = 3.14 P1 ¹⁾ = 9.94 P2 * = 9.86 Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.82 Commencement of Rifling G1 ^{1)*} = 7.87 G ¹⁾ = 3.18 α1 * = 180° h = s = i ^{1)*} = 2°31'14" w = Barrel F ^{1)*} = 7.59 Z ¹⁾ = 7.81 Grooves b = 1.02 N = 6 u = 254.00 Q = 45.92 mm²	
Scale 1.5:1	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

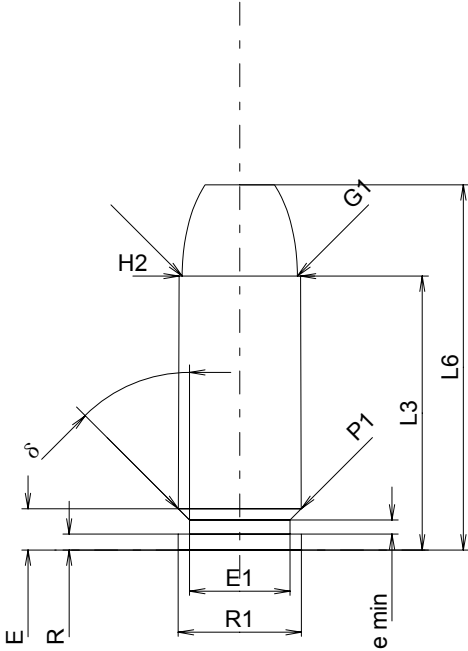
C.I.P.	9 mm Luger Country of Origin: DE	TAB. IV
		Date 84-06-14
		Revision 00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 19.15 -0.25 L4 = L5 = L6 = 29.69 Case Head R = 1.27 R1 = 9.96 R3 = E = 2.98 E1 = 8.79 e min = 0.90 δ = 35° f = 0.30 β = 45° Powder Chamber P1 = 9.93 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.65 Projectile G1 ¹⁾ = 9.03 G2 = F = L3+G ¹⁾ = 22.50 Pressures (Energies) Method Transducer Pmax = 2350 bar PK = 2703 bar PE = 3055 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 19.15 Breech R = R1 = 10.00 R2 = R3 = r = Powder Chamber E = 2.98 P1 ¹⁾ = 9.96 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.68 Commencement of Rifling G1 ^{1)*} = 9.05 G ^{1)*} = 3.35 α1 = 180° h = s = i ¹⁾ = 1°57'58" w = Barrel F ^{1)*} = 8.82 Z ¹⁾ = 9.02 Grooves b = 2.49 N = 6 u = 250.00 Q = 62.61 mm ²
	Scale 1.5:1	Notes: 1) Check for safety reasons * Basic dimensions
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		

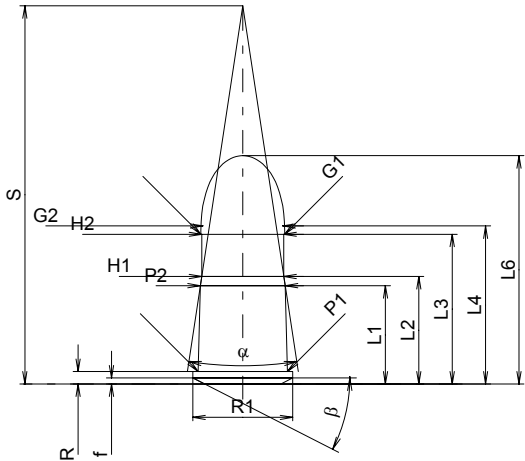
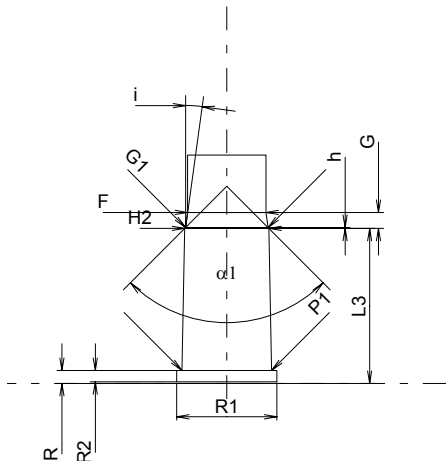
C.I.P.	9 x 21 Country of Origin: IL	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
 	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 21.15 -0.25 L4 = L5 = L6 = 29.75 Case Head R = 1.27 R1 = 9.96 R3 = E = 2.98 E1 = 8.79 e min = 0.90 δ = 35° f = 0.30 β = 45° Powder Chamber P1 = 9.93 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.63 Projectile G1 ¹⁾ = 9.03 G2 = F = L3+G ¹⁾ = 30.60 Pressures (Energies) Method Transducer Pmax = 2350 bar PK = 2703 bar PE = 3055 bar M = 12.50 Pressures (Energies) Method Transducer Pmax = 2350 bar PK = 2703 bar PE = 3055 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 21.15 Breech R = R1 = 10.09 R2 = R3 = r = Powder Chamber E = 6.20 P1 ¹⁾ = 9.96 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.64 Commencement of Rifling G1 ^{1)*} = 9.12 G ¹⁾ = 9.45 α l * = 180° h = s = i ^{1)*} = 1° w = Barrel F ^{1)*} = 8.79 Z ¹⁾ = 9.03 Grooves b = 3.80 N = 4 u = 254.00 Q = 62.57 mm ²	
	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	9 mm Steyr	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: AT			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 23.20 -0.25 L4 = L5 = L6 = 33.10 Case Head R = 1.25 R1 = 9.70 R3 = E = 3.50 E1 = 8.70 e min = 1.30 δ = 27°45'29" f = 0.30 β = 45° Powder Chamber P1 = 9.70 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.62 Projectile G1 ¹⁾ = 9.03 G2 = F = L3+G ¹⁾ = 27.55 Pressures (Energies) Method Transducer Pmax = 1350 bar PK = 1553 bar PE = 1755 bar M = 12.50 Pressures (Energies) Method Transducer Pmax = 1350 bar PK = 1553 bar PE = 1755 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 23.20 Breech R = R1 = 9.80 R2 = R3 = r = Powder Chamber E = 3.50 P1 ¹⁾ = 9.73 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.65 Commencement of Rifling G1 ^{1)*} = 9.09 G ^{1)*} = 4.35 α1 = 180° h = s = i ¹⁾ = 1°54'33" w = Barrel F ^{1)*} = 8.80 Z ¹⁾ = 9.02 Grooves b = 3.00 N = 6 u = 250.00 Q = 62.84 mm ²	
			
Scale 1.5:1	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

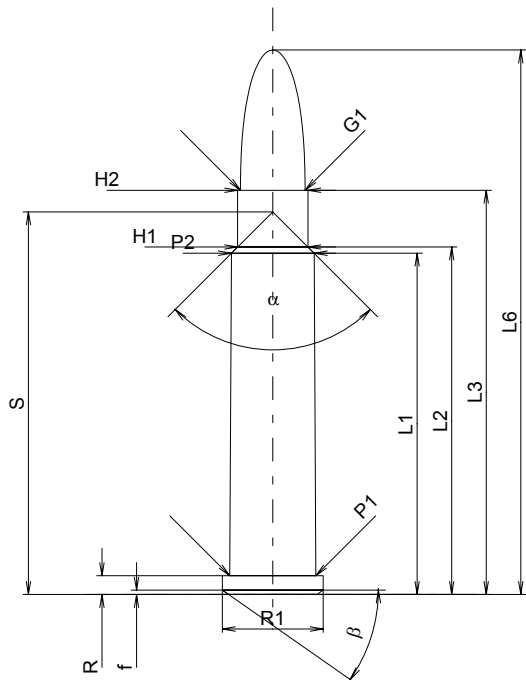
C.I.P.	9 x 22 MJR	TAB.	IV
		Date	93-12-13
		Revision	00-06-07
Country of Origin: AT			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 ^{1)*} = 14.95 -0.20 L2 ^{1)*} = 16.81 -0.20 L3 ¹⁾ = 22.00 L4 = L5 = L6 = 29.00 Case Head R = 1.40 R1 = 10.77 R3 = E = 3.52 E1 = 8.81 e min = 1.14 delta = 45° f = 0.51 beta = 35° Powder Chamber P1 = 10.77 P2 ^{1)*} = 10.74 -0.20 Junction Cone alpha = 31°31'27" S = 33.98 r1 min = 0.50 r2 = 0.50 Collar H1 [*] = 9.69 H2 ¹⁾ = 9.68 Projectile G1 ¹⁾ = 9.03 G2 = F = L3+G ¹⁾ = 28.10 Pressures (Energies) Method Transducer Pmax = 2550 bar PK = 2933 bar PE = 3315 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	Lengths L1 [*] = 14.92 L2 [*] = 16.70 L3 ¹⁾ = 22.15 Breech R = R1 = 10.88 R2 = R3 = r = Powder Chamber E = 3.52 P1 ¹⁾ = 10.82 P2 [*] = 10.76 Junction Cone alpha ¹⁾ = 31°22'48" S = 34.07 r1 max = r2 = Collar H1 [*] = 9.76 H2 ¹⁾ = 9.75 Commencement of Rifling G1 ^{1)*} = 9.05 G ^{1)*} = 6.10 alpha l = 90° h = 0.35 s [*] = 2.75 i ¹⁾ = 1°57'58" w = Barrel F ^{1)*} = 8.82 Z ¹⁾ = 9.02 Grooves b = 2.49 N = 6 u = 250.00 Q = 62.61 mm²	
	Notes: 1) Check for safety reasons * Basic dimensions		
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

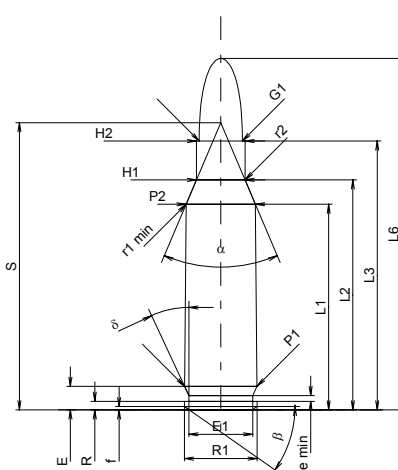
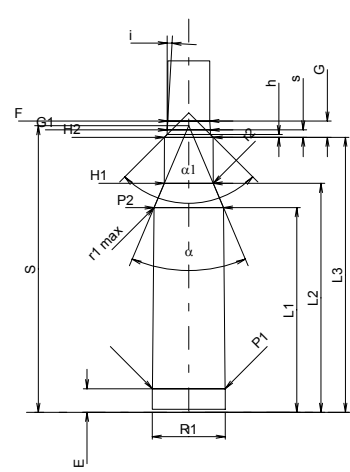
C.I.P.	10 mm Auto	TAB.	IV
		Date	84-10-03
		Revision	00-06-07
Country of Origin: SE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 25.20 -0.25 L4 = L5 = L6 = 32.00 Case Head R = 1.40 R1 = 10.85 R3 = E = 3.63 E1 = 8.85 e min = 1.25 δ = 45° f = β = 45° Powder Chamber P1 = 10.81 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 10.70 Projectile G1 ¹⁾ = 10.16 G2 = F = L3+G ¹⁾ = 30.30 Pressures (Energies) Method Transducer Pmax = 2300 bar PK = 2645 bar PE = 2990 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 25.20 Breech R = R1 = 10.95 R2 = R3 = r = Powder Chamber E = 5.08 P1 ¹⁾ = 10.93 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 10.79 Commencement of Rifling G1 ^{1)*} = 10.19 G ¹⁾ = 5.10 α1 [*] = 180° h = s = i ^{1)*} = 1°34'21" w = Barrel F ^{1)*} = 9.91 Z ¹⁾ = 10.16 Grooves b = 4.47 N = 5 u = 381.00 Q = 80.03 mm ²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	10 mm FAR	TAB.	IV
		Date	00-09-15
		Revision	
Country of Origin: IT			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 24.15 -0.25 L4 = L5 = L6 = 32.20 Case Head R = 1.40 R1 = 10.85 R3 = E = 3.64 E1 = 8.85 e min = 1.25 δ = 45° f = β = 45° Powder Chamber P1 = 10.83 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 10.70 Projectile G1 ¹⁾ = 10.17 G2 = F = L3+G ¹⁾ = 32.98 Pressures (Energies) Method Transducer Pmax = 2250 bar PK = 2590 bar PE = 2925 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 24.15 Breech R = R1 = 10.88 R2 = R3 = r = Powder Chamber E = 5.08 P1 ¹⁾ = 10.86 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 10.77 Commencement of Rifling G1 ^{1)*} = 10.19 G ^{1)*} = 8.83 α1 = 180° h = s = i ¹⁾ = 0°54'29" w = Barrel F ^{1)*} = 9.91 Z ¹⁾ = 10.17 Grooves b = 3.05 N = 6 u = 406.00 Q = 79.55 mm²	
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	10,40 Ord. It. Country of Origin: IT	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
	CARTRIDGE MAXI Lengths L1 * = 13.00 L2 * = 14.22 L3 ¹⁾ = 19.80 L4 = 20.90 L5 = L6 = 30.20 Case Head R ¹⁾ = 1.65 -0.25 R1 = 13.20 R3 = E = E1 = e min = δ = f = 0.80 β = 27° Powder Chamber P1 = 11.80 P2 * = 11.23 Junction Cone α = 17°14'43" S = 50.03 r1 min = r2 = Collar H1 * = 10.86 H2 ¹⁾ = 10.86 Projectile G1 ¹⁾ = 11.10 G2 = 10.55 F = L1+G ¹⁾ = 21.91 Pressures (Energies) Method Transducer Pmax = 630 bar PK = 725 bar PE = 819 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =		CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 20.50 Breech R ¹⁾ = 1.70 R1 = 13.25 R2 = 1.50 R3 = r = Powder Chamber E = P1 ¹⁾ = 11.85 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 11.13 Commencement of Rifling G1 ¹⁾ * = 10.90 G ¹⁾ * = 2.11 α1 = 90° h * = 0.11 s = i ¹⁾ = 7°49'45" w = Barrel F ¹⁾ * = 10.35 Z ¹⁾ = 10.75 Grooves b = 4.00 N = 4 u = 250.00 Q = 87.42 mm ²
			
Scale 1:1		Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	11 mm 73 Country of Origin: FR	TAB. IV
		Date 02-01-22
		Revision
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 17.65 L4 = L5 = L6 = 29.65 Case Head R ¹⁾ = 1.00 -0.25 R1 = 12.70 R3 = E = E1 = e min = δ = f = 0.40 β = 45° Powder Chamber P1 = 11.85 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 11.65 Projectile G1 ¹⁾ = 11.60 G2 = F = L3+G ¹⁾ = 39.83 Pressures (Energies) Method Transducer Pmax = 1150 bar PK = 1323 bar PE = 1495 bar M = 19.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 18.00 Breech R ¹⁾ = 1.00 R1 = 13.20 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.00 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 11.80 Commencement of Rifling G1 ^{1)*} = 11.40 G ^{1)*} = 22.18 α1 = 11°25'16" h = 2.00 s* = 5.38 i ¹⁾ = 1°01'23" w = Barrel F ^{1)*} = 10.80 Z ¹⁾ = 11.20 Grooves b = 4.30 N = 4 u = 350.00 Q = 95.14 mm ²
	Notes: 1) Check for safety reasons * Basic dimensions	
Scale 1:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		

C.I.P.	22 Picra	TAB.	IV
		Date	99-03-15
		Revision	00-06-07
Country of Origin: CZ			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 ¹⁾ * = 30.09 -0.20 L2 ¹⁾ * = 30.64 -0.20 L3 ¹⁾ = 35.64 L4 = L5 = L6 = 48.00 Case Head R = 1.65 R1 = 8.89 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 7.59 P2 ¹⁾ * = 7.29 -0.20 Junction Cone α = 90° S = 33.73 r1 min = r2 = Collar H1 * = 6.19 H2 ¹⁾ = 6.19 Projectile G1 ¹⁾ = 5.70 G2 = F = L3+G ¹⁾ = 38.77 Pressures (Energies) Method Transducer Pmax = 3200 bar PK = 3680 bar PE = 4160 bar M = 17.50 Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 * = 30.07 L2 * = 30.64 L3 ¹⁾ = 35.80 Breech R = 1.65 R1 = 9.14 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 7.62 P2 * = 7.32 Junction Cone α ¹⁾ = 88°59'09" S = 33.80 r1 max = r2 = Collar H1 * = 6.20 H2 ¹⁾ = 6.17 Commencement of Rifling G1 ¹⁾ * = 5.82 G ¹⁾ * = 3.13 α1 = 91°39'38" h = 0.17 s = i ¹⁾ = 2°59'51" w = Barrel F ¹⁾ * = 5.51 Z ¹⁾ = 5.64 Grooves b = 1.73 N = 6 u = 406.00 Q = 24.53 mm ²	
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	221 Rem. Fireball	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 ¹⁾ = 27.20 -0.20 L2 ¹⁾ = 30.42 -0.20 L3 ¹⁾ = 35.56 L4 = L5 = L6 = 46.48 Case Head R = 1.14 R1 = 9.60 R3 = E = 3.13 E1 = 8.43 e min = 0.76 delta = 25° f = 0.45 beta = 35° Powder Chamber P1 = 9.58 P2 ¹⁾ * = 9.162 -0.20 Junction Cone alpha * = 46° S * = 37.98 r1 min = 0.64 r2 = 2.54 Collar H1 * = 6.43 H2 ¹⁾ = 6.43 Projectile G1 ¹⁾ = 5.70 G2 = F = L3+G ¹⁾ = 37.72 Pressures (Energies) Method Transducer Pmax = 3200 bar PK = 3680 bar PE = 4160 bar M = 17.50 Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = 27.08 L2 = 30.28 L3 ¹⁾ = 36.37 Breech R = R1 = 9.65 R2 = R3 = r = Powder Chamber E = 3.13 P1 ¹⁾ = 9.61 P2 * = 9.19 Junction Cone alpha ¹⁾ * = 46° S * = 37.91 r1 max = 0.64 r2 = 3.18 Collar H1 * = 6.48 H2 ¹⁾ = 6.45 Commencement of Rifling G1 ¹⁾ * = 5.69 G ¹⁾ = 2.16 alpha 1 * = 90° h = 0.38 s = 0.99 i ¹⁾ * = 3°10'48" w = Barrel F ¹⁾ * = 5.56 Z ¹⁾ = 5.69 Grooves b = 2.03 N = 6 u = 305.00 Q = 25.09 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.

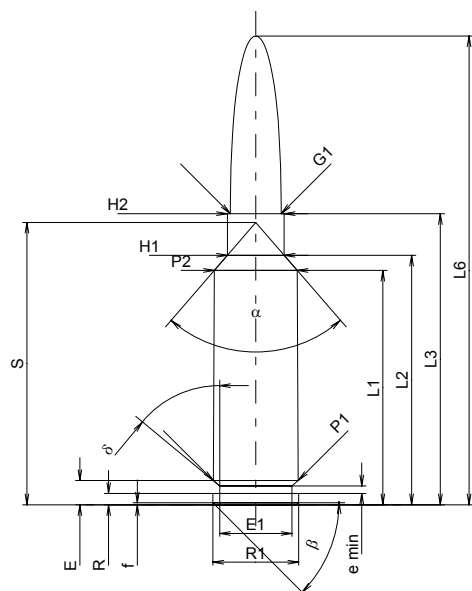
260 PICRA

TAB. IV

Date 99-03-15

Revision 00-06-07

Country of Origin: CZ



CARTRIDGE MAXI

Lengths

L1 ¹⁾ *	=	31.00	-0.20
L2 ¹⁾ *	=	33.00	-0.20
L3 ¹⁾	=	38.50	
L4	=		
L5	=		
L6	=	62.00	

Case Head

R	=	1.50	
R1	=	11.35	
R3	=		
E	=	3.20	
E1	=	9.56	
e min	=	1.00	
δ	=	50°21'41"	
f	=	0.25	
β	=	45°	

Powder Chamber

P1	=	11.25	
P2 ¹⁾ *	=	10.96	-0.20

Junction Cone

α	=	81°43'09"	
S	=	37.34	
r1 min	=		
r2	=		

Collar

H1 *	=	7.50	
H2 ¹⁾	=	7.50	

Projectile

G1 ¹⁾	=	6.71	
G2	=		
F	=		
L3+G ¹⁾	=	49.43	

Pressures (Energies)

Method Transducer

Pmax	=	3900 bar	
PK	=	4485 bar	
PE	=	5070 bar	
M	=	17.50	

Miscellaneous Dimensions

Fe ¹⁾	=	0.10	
delta L	=		

CHAMBER MINI

Lengths

L1 *	=	31.00	
L2 *	=	33.05	
L3 ¹⁾	=	39.00	

Breech

R	=		
R1	=	11.40	
R2	=		
R3	=		
r	=		

Powder Chamber

E	=		
P1 ¹⁾	=	11.30	
P2 *	=	11.00	

Junction Cone

α ¹⁾	=	80°58'19"	
S	=	37.44	
r1 max	=	0.50	
r2	=	1.50	

Collar

H1 *	=	7.50	
H2 ¹⁾	=	7.50	

Commencement of Rifling

G1 ¹⁾ *	=	6.75	
G ¹⁾ *	=	10.93	
α1	=	89°14'28"	
h	=	0.38	
s *	=	5.20	
i ¹⁾	=	1°29'57"	
w	=		

Barrel

F ¹⁾ *	=	6.45	
Z ¹⁾	=	6.70	

Grooves

b	=	3.50	
N	=	4	
u	=	200.00	
Q	=	34.52	mm ²

Scale 1:1

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

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.

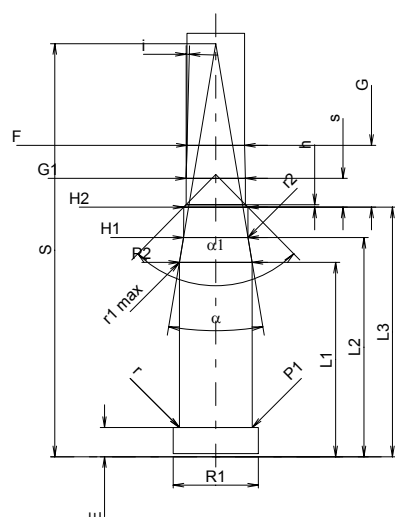
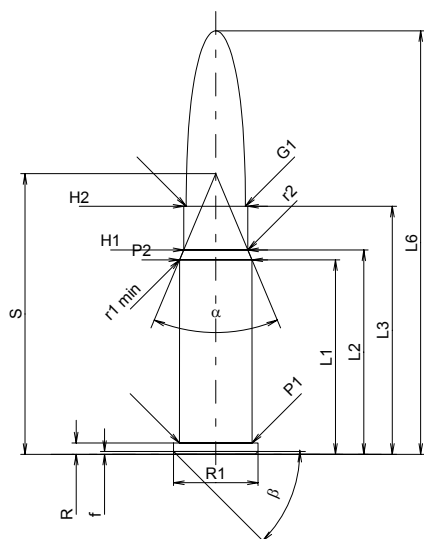
30 PICRA

TAB. IV

Date 99-04-20

Revision 00-06-07

Country of Origin: CZ



Scale 1:1

CARTRIDGE MAXI

Lengths

L1 ¹⁾ *	=	25.72	-0.20
L2 ¹⁾ *	=	27.03	-0.20
L3 ¹⁾	=	32.80	
L4	=		
L5	=		
L6	=	56.00	

Case Head

R	=	1.50	
R1	=	11.18	
R3	=		
E	=		
E1	=		
e min	=		
delta	=		
f	=	0.38	
beta	=	45°	

Powder Chamber

P1	=	9.60	
P2 ¹⁾ *	=	9.57	-0.20

Junction Cone

alpha	=	45°33'	
S	=	37.12	
r1 min	=	0.76	
r2	=	2.54	

Collar

H1 *	=	8.47	
H2 ¹⁾	=	8.47	

Projectile

G1 ¹⁾	=	7.82	
G2	=		
F	=		
L3+G ¹⁾	=	40.99	

Pressures (Energies)

Method Transducer

Pmax	=	2800 bar	
PK	=	3220 bar	
PE	=	3640 bar	
M	=	17.50	

Miscellaneous Dimensions

Fe ¹⁾	=	0.15	
delta L	=		

CHAMBER MINI

Lengths

L1 *	=	25.70	
L2 *	=	28.98	
L3 ¹⁾	=	33.00	

Breech

R	=	1.52	
R1	=	11.28	
R2	=		
R3	=		
r	=	0.20	

Powder Chamber

E	=	3.85	
P1 ¹⁾	=	9.63	
P2 *	=	9.61	

Junction Cone

alpha ¹⁾	=	18°52'04"	
S	=	54.62	
r1 max	=	0.50	
r2	=	0.50	

Collar

H1 *	=	8.52	
H2 ¹⁾	=	8.50	

Commencement of Rifling

G1 ¹⁾ *	=	7.85	
G ¹⁾ *	=	8.19	
alpha1	=	89°07'31"	
h	=	0.33	
s *	=	3.80	
i ¹⁾	=	1°30'02"	
w	=		

Barrel

F ¹⁾ *	=	7.62	
Z ¹⁾	=	7.82	

Grooves

b	=	4.49	
N	=	4	
u	=	254.00	
Q	=	47.52	mm ²

Notes: 1) Check for safety reasons
* Basic dimensions

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

C.I.P.

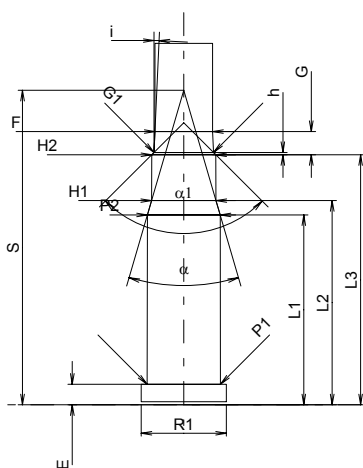
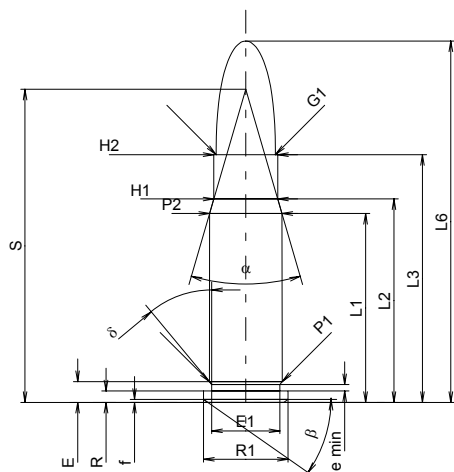
30-357 AeT

Country of Origin: IT

TAB. IV

Date 00-09-12

Revision 02-05-15



Scale 1:1

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

CARTRIDGE MAXI

Lengths

L1 ¹⁾ *	=	24.98	-0.20
L2 ¹⁾ *	=	26.90	-0.20
L3 ¹⁾	=	32.77	
L4	=		
L5	=		
L6	=	47.80	

Case Head

R	=	1.52	
R1	=	11.18	
R3	=		
E	=	2.74	
E1	=	9.00	
e min	=	0.84	
delta	=	40°	
f	=	0.40	
beta	=	35°	

Powder Chamber

P1	=	9.63	
P2 ¹⁾ *	=	9.58	-0.20

Junction Cone

alpha	=	32°31'13"	
S	=	41.40	
r1 min	=		
r2	=		

Collar

H1 *	=	8.46	
H2 ¹⁾	=	8.46	

Projectile

G1 ¹⁾	=	7.85	
G2	=		
F	=		
L3+G ¹⁾	=	35.84	

Pressures (Energies)

Method Transducer

Pmax	=	3000 bar	
PK	=	3450 bar	
PE	=	3900 bar	
M	=	17.50	

Miscellaneous Dimensions

Fe ¹⁾	=	0.15	
delta L	=		

CHAMBER MINI

Lengths

L1 *	=	25.11	
L2 *	=	27.01	
L3 ¹⁾	=	33.07	

Breech

R	=	1.52	
R1	=	11.28	
R2	=		
R3	=		
r	=		

Powder Chamber

E	=	2.72	
P1 ¹⁾	=	9.68	
P2 *	=	9.63	

Junction Cone

alpha ¹⁾	=	32°34'01"	
S	=	41.59	
r1 max	=		
r2	=		

Collar

H1 *	=	8.52	
H2 ¹⁾	=	8.49	

Commencement of Rifling

G1 ¹⁾ *	=	7.87	
G ¹⁾ *	=	3.07	
alpha l	=	90°	
h *	=	0.31	
s	=		
i ¹⁾	=	2°35'35"	
w	=		

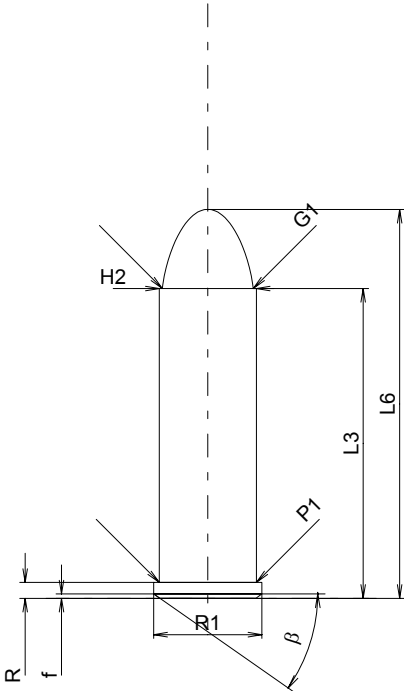
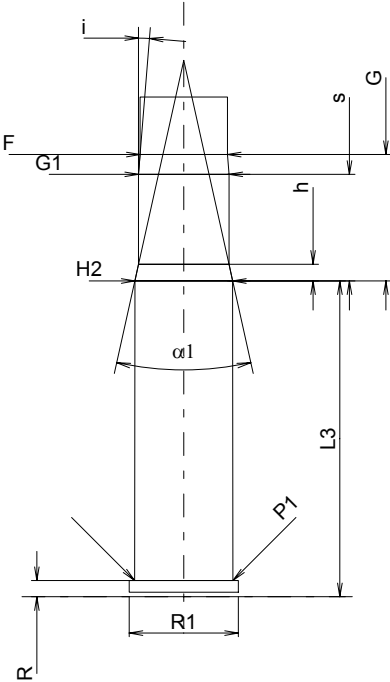
Barrel

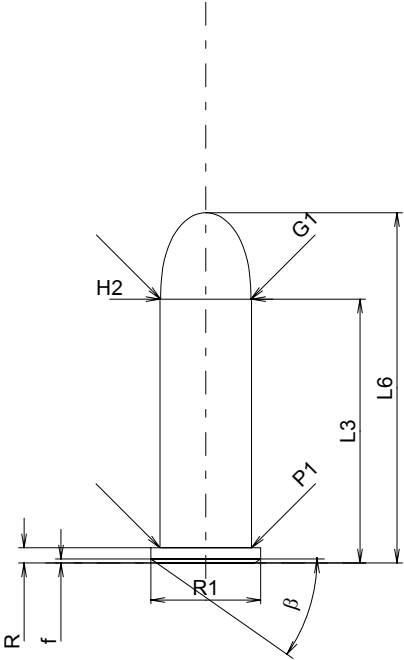
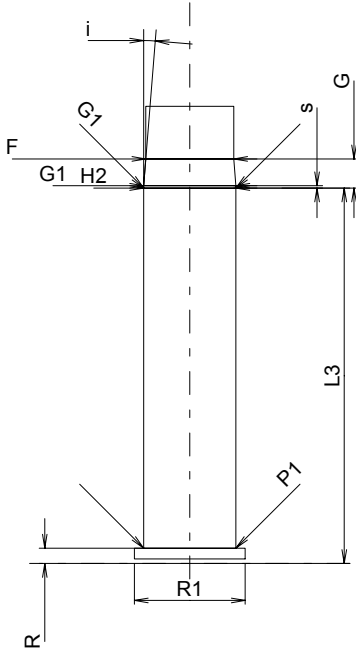
F ¹⁾ *	=	7.62	
Z ¹⁾	=	7.82	

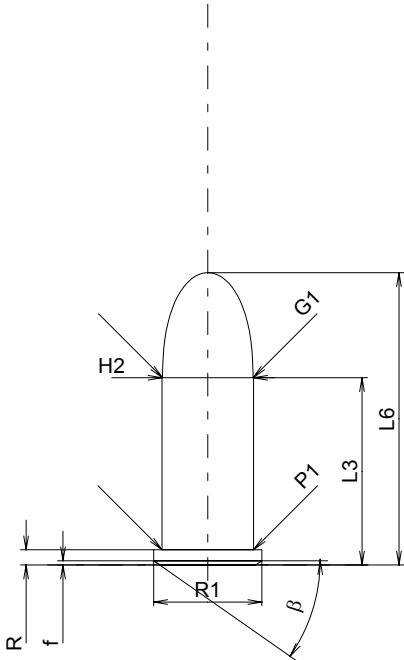
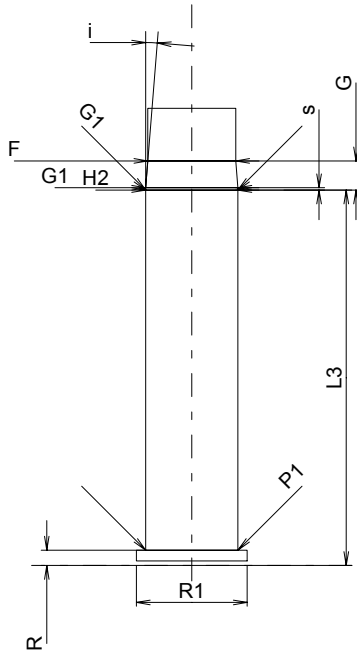
Grooves

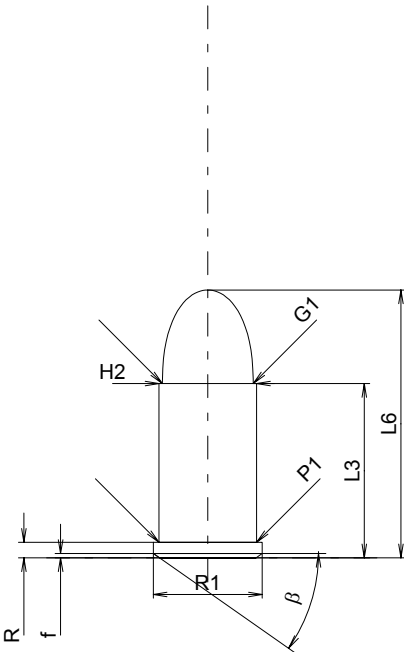
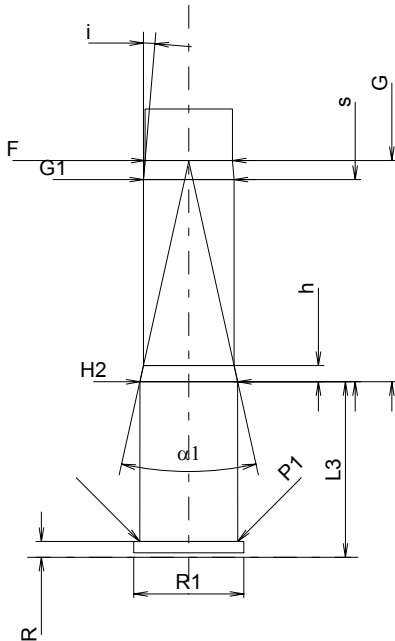
b	=	4.24	
N	=	4	
u	=	304.80	
Q	=	47.67	mm ²

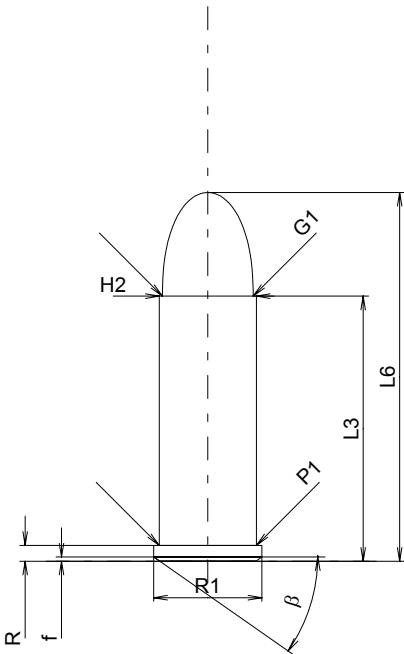
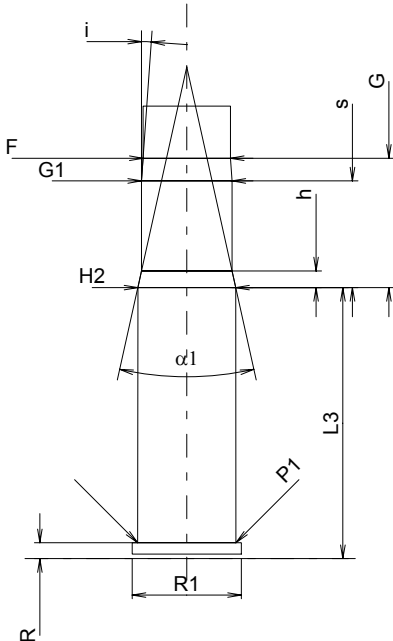
Notes: 1) Check for safety reasons
* Basic dimensions

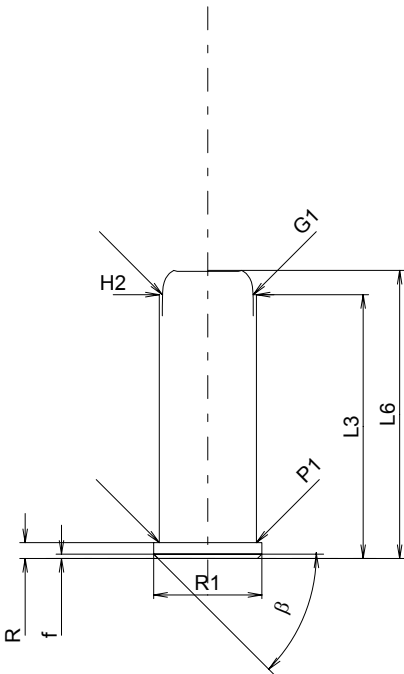
C.I.P.	32 H.& R. Mag.	TAB.	IV
		Date	86-02-25
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 27.31 L4 = L5 = L6 = 34.29 Case Head R ¹⁾ = 1.40 -0.25 R1 = 9.53 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 8.56 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.56 Projectile G1 ¹⁾ = 8.00 G2 = F = L3+G ¹⁾ = 38.45 Pressures (Energies) Method Transducer Pmax = 1400 bar PK = 1610 bar PE = 1820 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 27.84 Breech R ¹⁾ = 1.42 R1 = 9.63 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.67 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.62 Commencement of Rifling G1 ^{1)*} = 7.98 G ¹⁾ = 11.14 α1 [*] = 25° h = 1.47 s = 9.40 i ^{1)*} = 4°34'59" w = Barrel F ^{1)*} = 7.70 Z ¹⁾ = 7.92 Grooves b = 2.41 N = 5 u = 406.00 Q = 47.91 mm²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

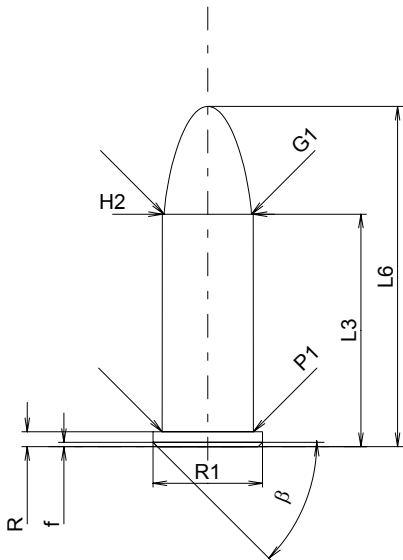
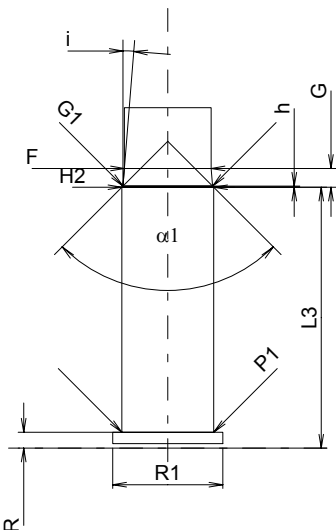
C.I.P.	32 Long Colt Country of Origin: US	TAB. IV
		Date 84-06-14
		Revision 00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 23.27 L4 = L5 = L6 = 30.89 Case Head R ¹⁾ = 1.35 -0.25 R1 = 9.68 R3 = E = E1 = e min = δ = f = 0.36 β = 35° Powder Chamber P1 = 8.08 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.08 Projectile G1 ¹⁾ = 7.97 G2 = F = L3+G ¹⁾ = 25.84 Pressures (Energies) Method Transducer Pmax = 1000 bar PK = 1150 bar PE = 1300 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 33.10 Breech R ¹⁾ = 1.35 R1 = 9.78 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.13 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.13 Commencement of Rifling G1 ^{1)*} = 8.13 G ¹⁾ = 2.57 α1 * = 180° h = s = 0.20 i ^{1)*} = 4°34'59" w = Barrel F ^{1)*} = 7.75 Z ¹⁾ = 7.90 Grooves b = 2.69 N = 6 u = 406.00 Q = 48.39 mm ²
	Scale 1.5:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	
Notes: 1) Check for safety reasons * Basic dimensions		

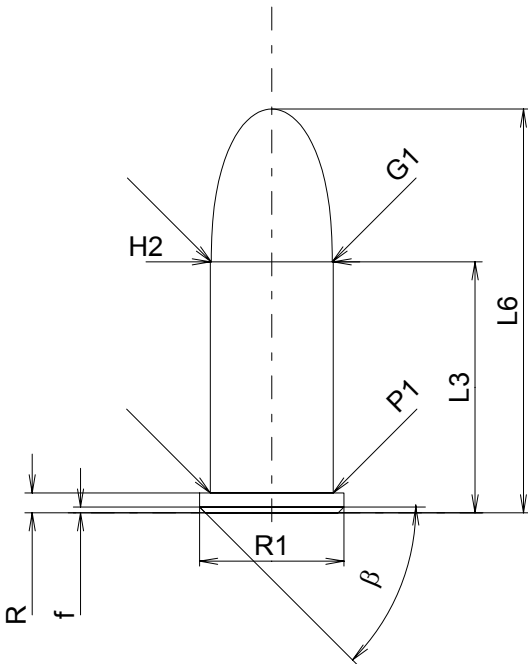
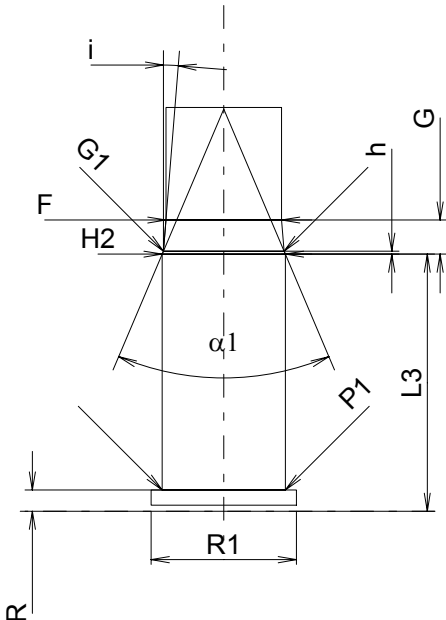
C.I.P.	32 Short Colt	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 16.51 L4 = L5 = L6 = 25.78 Case Head R ¹⁾ = 1.35 -0.25 R1 = 9.53 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 8.08 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.08 Projectile G1 ¹⁾ = 7.98 G2 = F = L3+G ¹⁾ = 19.08 Pressures (Energies) Method Transducer Pmax = 1000 bar PK = 1150 bar PE = 1300 bar M = 9.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 33.10 Breech R ¹⁾ = 1.35 R1 = 9.78 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.13 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.13 Commencement of Rifling G1 ^{1)*} = 8.13 G ¹⁾ = 2.57 α1 * = 180° h = s = 0.20 i ^{1)*} = 4°34'59" w = Barrel F ^{1)*} = 7.75 Z ¹⁾ = 7.90 Grooves b = 2.69 N = 6 u = 406.00 Q = 48.39 mm²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

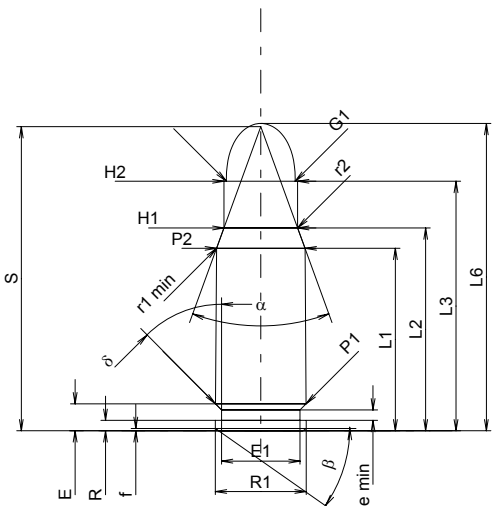
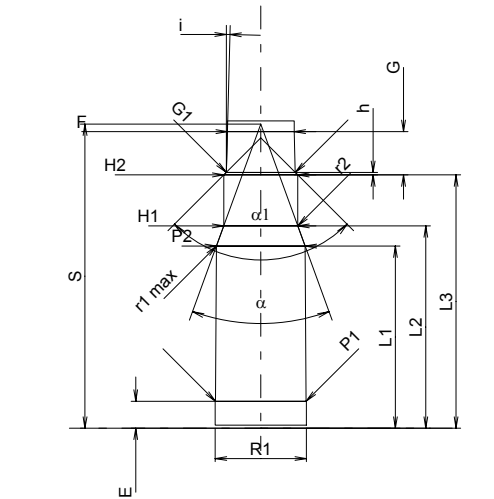
C.I.P.	32 S.& W. Country of Origin: US	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 15.37 L4 = L5 = L6 = 23.62 Case Head R ¹⁾ = 1.37 -0.25 R1 = 9.60 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 8.61 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.61 Projectile G1 ¹⁾ = 8.00 G2 = F = L3+G ¹⁾ = 34.88 Pressures (Energies) Method Transducer Pmax = 900 bar PK = 1035 bar PE = 1170 bar M = 8.00 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 15.47 Breech R ¹⁾ = 1.40 R1 = 9.70 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.64 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.62 Commencement of Rifling G1 ^{1)*} = 7.98 G ¹⁾ = 19.51 α1 * = 25° h = 1.44 s = 17.83 i ^{1)*} = 4°45' w = Barrel F ^{1)*} = 7.70 Z ¹⁾ = 7.92 Grooves b = 2.41 N = 5 u = 476.00 Q = 47.91 mm²	
		Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

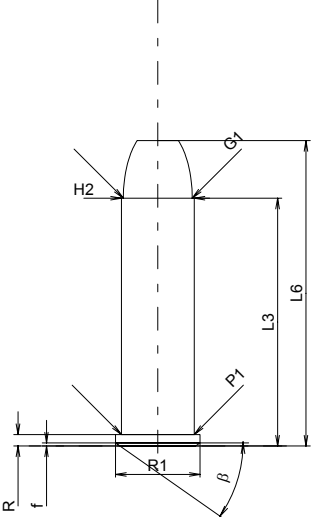
C.I.P.	32 S&W Long N.P	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 23.37 L4 = L5 = L6 = 32.51 Case Head R ¹⁾ = 1.40 -0.25 R1 = 9.53 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 8.56 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.56 Projectile G1 ¹⁾ = 8.00 G2 = F = L3+G ¹⁾ = 34.81 Pressures (Energies) Method Transducer Pmax = 1000 bar PK = 1150 bar PE = 1300 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 23.90 Breech R ¹⁾ = 1.40 R1 = 9.63 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.67 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.63 Commencement of Rifling G1 ^{1)*} = 7.98 G ¹⁾ = 11.41 α1 [*] = 25° h = 1.47 s = 9.40 i ^{1)*} = 4°34'59" w = Barrel F ^{1)*} = 7.70 Z ¹⁾ = 7.92 Grooves b = 2.41 N = 5 u = 476.00 Q = 47.91 mm²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

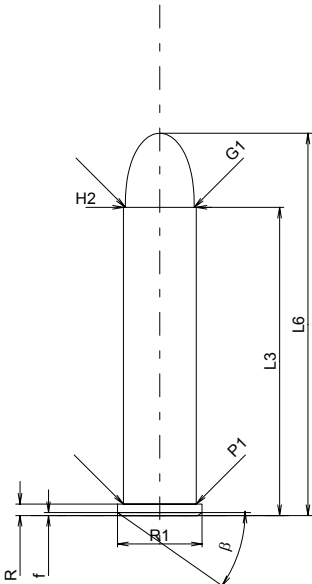
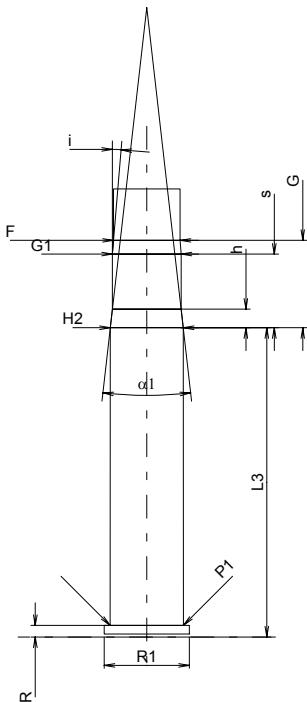
C.I.P.	32 S.& W. Long Wad Cut.	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: DE/FI			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 23.27 L4 = L5 = L6 = 25.40 Case Head R ¹⁾ = 1.40 -0.25 R1 = 9.53 R3 = E = E1 = e min = δ = f = 0.38 β = 45° Powder Chamber P1 = 8.56 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.56 Projectile G1 ¹⁾ = 8.00 G2 = F = L3+G ¹⁾ = 34.41 Pressures (Energies) Method Transducer Pmax = 1550 bar PK = 1783 bar PE = 2015 bar M = 8.00 Pressures (Energies) Method Transducer Pmax = 1550 bar PK = 1783 bar PE = 2015 bar M = 8.00 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 23.90 Breech R ¹⁾ = 1.40 R1 = 9.63 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.67 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.63 Commencement of Rifling G1 ^{1)*} = 7.98 G ^{1)*} = 11.14 α1 = 25° h = 1.47 s * = 9.40 i ¹⁾ = 4°34'59" w = Barrel F ^{1)*} = 7.70 Z ¹⁾ = 7.92 Grooves b = 2.41 N = 5 u = 476.00 Q = 47.64 mm²	
	Scale 1.5:1	Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	320 Long Country of Origin: GB	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 20.50 L4 = L5 = L6 = 30.00 Case Head R ¹⁾ = 1.32 -0.25 R1 = 9.65 R3 = E = E1 = e min = δ = f = 0.38 β = 45° Powder Chamber P1 = 8.05 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.00 Projectile G1 ¹⁾ = 7.70 G2 = F = L3+G ¹⁾ = 22.16 Pressures (Energies) Method Transducer Pmax = 1000 bar PK = 1150 bar PE = 1300 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = +0.381 L2 = +0.381 L3 ¹⁾ = 23.00 +0.381 Breech R ¹⁾ = 1.40 R1 = 9.70 +0.051 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.10 P2 = Junction Cone α = S = r1 max = r2 = +0.762 Collar H1 = +0.051 H2 ¹⁾ = 8.10 +0.051 Commencement of Rifling G1 ¹⁾ * = 7.90 +0.051 G ¹⁾ * = 1.66 α1 = 90° h * = 0.10 s = i ¹⁾ = 4°34'59" w = Barrel F ¹⁾ * = 7.65 Z ¹⁾ = 7.90 Grooves b = 2.70 +0.051 N = 6 u = 450.00 Q = 48.03 mm ²	
		Scale 1.5:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	
Notes: 1) Check for safety reasons * Basic dimensions			

C.I.P.	320 Short	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: GB			
	CARTRIDGE MAXI		CHAMBER MINI
	Lengths L1 = L2 = L3 ¹⁾ = 16.60 L4 = L5 = L6 = 26.70 Case Head R ¹⁾ = 1.32 -0.25 R1 = 9.55 R3 = E = E1 = e min = δ = f = 0.38 β = 45° Powder Chamber P1 = 8.12 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.12 Projectile G1 ¹⁾ = 8.00 G2 = F = L3+G ¹⁾ = 18.86 Pressures (Energies) Method Transducer Pmax = 1200 bar PK = 1380 bar PE = 1560 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =		Lengths L1 = L2 = L3 ¹⁾ = 17.00 Breech R ¹⁾ = 1.40 R1 = 9.60 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.15 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.15 Commencement of Rifling G1 ^{1)*} = 7.98 G ^{1)*} = 2.26 α1 = 46° h * = 0.20 s = i ¹⁾ = 4°34'59" w = Barrel F ^{1)*} = 7.65 Z ¹⁾ = 7.90 Grooves b = 2.70 N = 6 u = 450.00 Q = 48.03 mm ²
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	357 Auto Mag.	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 ¹⁾ = 24.13 -0.20 L2 ¹⁾ = 26.83 -0.20 L3 ¹⁾ = 33.00 L4 = L5 = L6 = 40.65 Case Head R = 1.37 R1 = 12.01 R3 = E = 3.56 E1 = 10.40 e min = 1.40 δ = 45° f = 0.30 β = 35° Powder Chamber P1 = 11.97 P2 ¹⁾ * = 11.71 -0.20 Junction Cone α * = 40° S * = 40.22 r1 min = 1.00 r2 = 3.20 Collar H1 * = 9.75 H2 ¹⁾ = 9.75 Projectile G1 ¹⁾ = 9.12 G2 = F = L3+G ¹⁾ = 38.73 Pressures (Energies) Method Transducer Pmax = 2550 bar PK = 2933 bar PE = 3315 bar M = 17.50 Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = 24.09 L2 = 26.76 L3 ¹⁾ = 33.50 Breech R = 1.37 R1 = 12.04 R2 = R3 = r = Powder Chamber E = 3.56 P1 ¹⁾ = 11.99 P2 * = 11.74 Junction Cone α ¹⁾ * = 40° S * = 40.22 r1 max = 1.00 r2 = 3.20 Collar H1 * = 9.80 H2 ¹⁾ = 9.78 Commencement of Rifling G1 ¹⁾ * = 9.13 G ¹⁾ = 5.73 α1 * = 90° h = 0.32 s = i ¹⁾ * = 1°32'17" w = Barrel F ¹⁾ * = 8.84 Z ¹⁾ = 9.09 Grooves b = 2.69 N = 6 u = 457.00 Q = 63.42 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	Notes: 1) Check for safety reasons * Basic dimensions		

C.I.P.	357 Magnum Country of Origin: US	TAB. IV
		Date 84-06-14
		Revision 00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 32.77 L4 = L5 = L6 = 40.39 Case Head R ¹⁾ = 1.52 -0.25 R1 = 11.18 R3 = E = E1 = e min = δ = f = 0.40 β = 35° Powder Chamber P1 = 9.63 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.63 Projectile G1 ¹⁾ = 9.12 G2 = F = L3+G ¹⁾ = 43.27 Pressures (Energies) Method Transducer Pmax = 3000 bar PK = 3450 bar PE = 3900 bar M = 17.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 33.07 Breech R ¹⁾ = 1.52 R1 = 11.28 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.68 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.65 Commencement of Rifling G1 ^{1)*} = 9.09 G ¹⁾ = 10.50 α1 * = 12°59'12" h = 2.46 s = 8.69 i ^{1)*} = 4°45' w = Barrel F ^{1)*} = 8.79 Z ¹⁾ = 9.02 Grooves b = 2.69 N = 9 u = 476.00 Q = 62.57 mm ²
Scale 1:1	Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		

C.I.P.	357 Maximum	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 40.77 L4 = L5 = L6 = 50.55 Case Head R ¹⁾ = 1.52 -0.25 R1 = 11.18 R3 = E = E1 = e min = δ = f = 0.40 β = 35° Powder Chamber P1 = 9.63 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.63 Projectile G1 ¹⁾ = 9.12 G2 = F = L3+G ¹⁾ = 52.33 Pressures (Energies) Method Transducer Pmax = 3100 bar PK = 3565 bar PE = 4040 bar M = 25.00 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 40.89 Breech R ¹⁾ = 1.52 R1 = 11.28 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.68 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.65 Commencement of Rifling G1 ^{1)*} = 9.09 G ¹⁾ = 11.56 α l * = 13° h = 2.46 s = 9.75 i ^{1)*} = 4°45' w = Barrel F ^{1)*} = 8.79 Z ¹⁾ = 9.02 Grooves b = 2.69 N = 6 u = 476.00 Q = 62.57 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	Notes: 1) Check for safety reasons * Basic dimensions		

C.I.P.

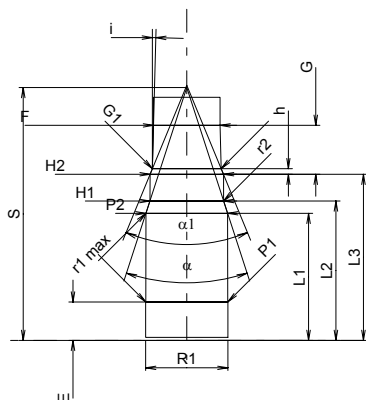
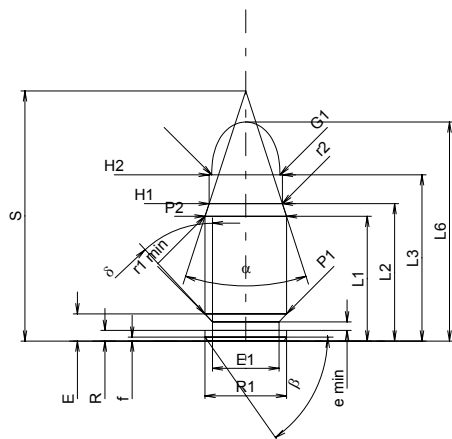
357 SIG

Country of Origin: US

TAB. IV

Date 95-03-09

Revision 00-06-07



CARTRIDGE MAXI

Lengths

L1 ¹⁾	=	16.49	-0.20
L2 ¹⁾	=	18.16	-0.20
L3 ¹⁾	=	21.97	
L4	=		
L5	=		
L6	=	28.96	

Case Head

R	=	1.40	
R1	=	10.77	
R3	=		
E	=	3.59	
E1	=	8.81	
e min	=	1.14	
delta	=	43°	
f	=	0.51	
beta	=	55°	

Powder Chamber

P1	=	10.77	
P2 ^{1)*}	=	10.77	-0.20

Junction Cone

alpha [*]	=	36°	
S [*]	=	33.06	
r1 min	=	1.52	
r2	=	3.81	

Collar

H1 [*]	=	9.68	
H2 ¹⁾	=	9.68	

Projectile

G1 ¹⁾	=	9.03	
G2	=		
F	=		
L3+G ¹⁾	=	28.44	

Pressures (Energies)

Method Transducer

Pmax	=	3050 bar	
PK	=	3508 bar	
PE	=	3965 bar	
M	=	10.50	

Miscellaneous Dimensions

Fe ¹⁾	=	0.20	
delta L	=		

CHAMBER MINI

Lengths

L1	=	16.82	
L2	=	18.44	
L3 ¹⁾	=	21.97	

Breech

R	=		
R1	=	10.88	
R2	=		
R3	=		
r	=		

Powder Chamber

E	=	5.08	
P1 ¹⁾	=	10.86	
P2 [*]	=	10.80	

Junction Cone

alpha ^{1)*}	=	36°	
S [*]	=	33.44	
r1 max	=	1.27	
r2	=	3.81	

Collar

H1 [*]	=	9.75	
H2 ¹⁾	=	9.70	

Commencement of Rifling

G1 ^{1)*}	=	9.09	
G ¹⁾	=	6.47	
alpha 1 [*]	=	44°48'	
h	=	0.74	
s	=		
i ^{1)*}	=	1°30'	
w	=		

Barrel

F ^{1)*}	=	8.79	
Z ¹⁾	=	9.02	

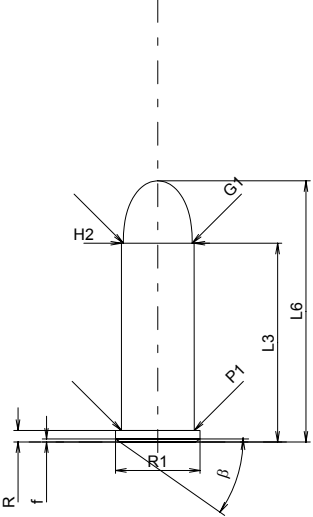
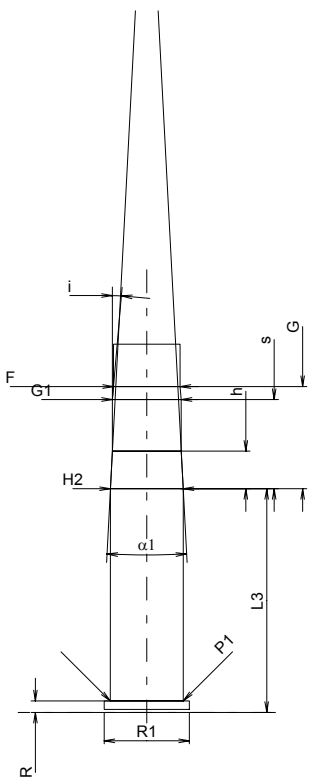
Grooves

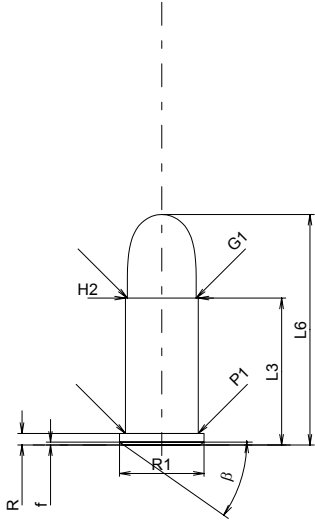
b	=	2.69	
N	=	6	
u	=	406.40	
Q	=	62.57	mm ²

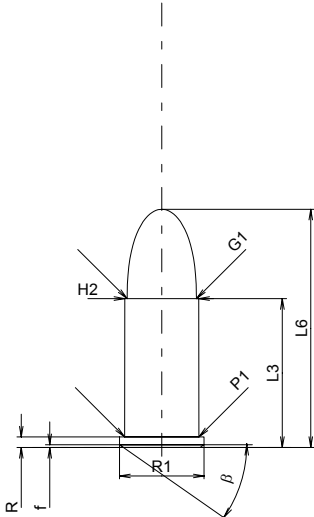
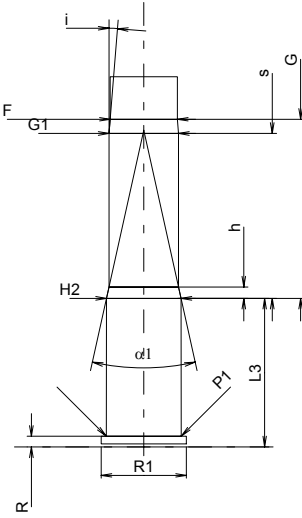
Scale 1:1

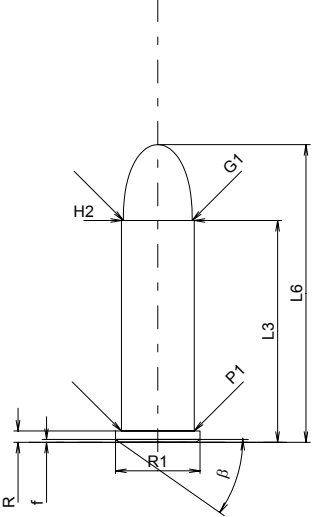
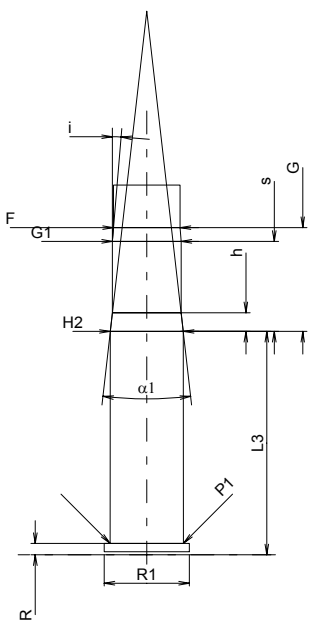
Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

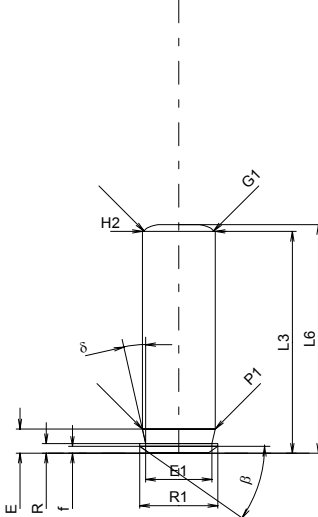
Notes: 1) Check for safety reasons
* Basic dimensions

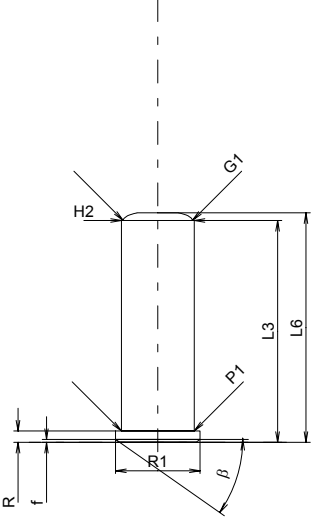
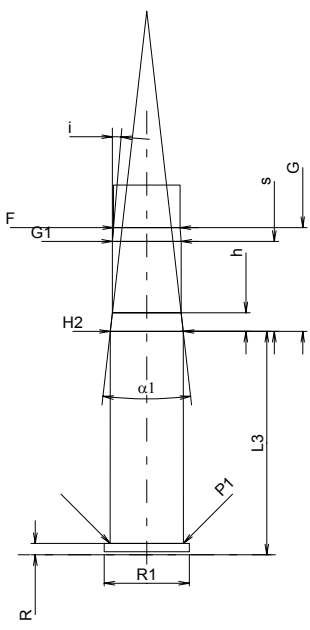
C.I.P.	38 Long Colt Country of Origin: US	TAB. IV
		Date 84-06-14
		Revision 00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 26.29 L4 = L5 = L6 = 34.54 Case Head R ¹⁾ = 1.52 -0.25 R1 = 11.18 R3 = E = E1 = e min = δ = f = 0.40 β = 35° Powder Chamber P1 = 9.63 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.60 Projectile G1 ¹⁾ = 9.12 G2 = F = L3+G ¹⁾ = 39.80 Pressures (Energies) Method Transducer Pmax = 900 bar PK = 1035 bar PE = 1170 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 29.59 Breech R ¹⁾ = 1.52 R1 = 11.28 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.66 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.63 Commencement of Rifling G1 ^{1)*} = 9.11 G ¹⁾ = 13.51 α1 * = 6° h = 4.96 s = 11.80 i ^{1)*} = 5° w = Barrel F ^{1)*} = 8.81 Z ¹⁾ = 8.97 Grooves b = 3.05 N = 6 u = 406.00 Q = 62.45 mm ²
	Scale 1:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	
Notes: 1) Check for safety reasons * Basic dimensions		

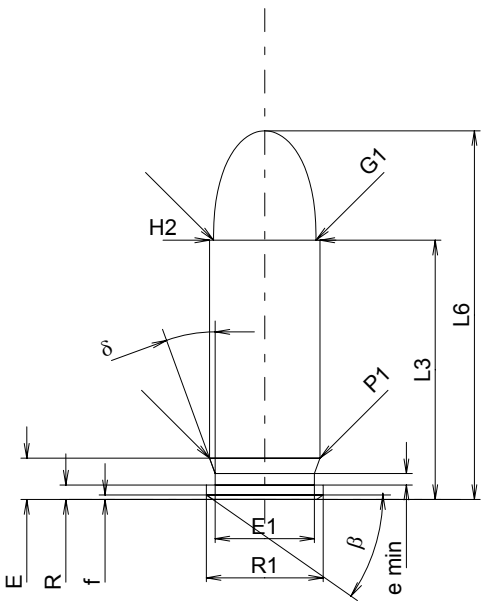
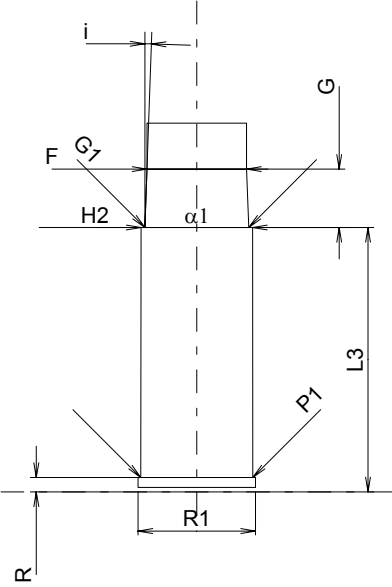
C.I.P.	38 Short Colt	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 19.43 L4 = L5 = L6 = 30.48 Case Head R ¹⁾ = 1.52 -0.25 R1 = 11.18 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 9.63 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.63 Projectile G1 ¹⁾ = 9.12 G2 = F = L3+G ¹⁾ = 32.94 Pressures (Energies) Method Transducer Pmax = 900 bar PK = 1035 bar PE = 1170 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 29.59 Breech R ¹⁾ = 1.52 R1 = 11.28 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.66 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.63 Commencement of Rifling G1 ^{1)*} = 9.11 G ¹⁾ = 13.51 $\alpha 1^*$ = 6° h = 4.96 s = 11.80 i ^{1)*} = 5° w = Barrel F ^{1)*} = 8.81 Z ¹⁾ = 8.97 Grooves b = 3.05 N = 6 u = 406.00 Q = 62.45 mm ²	
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

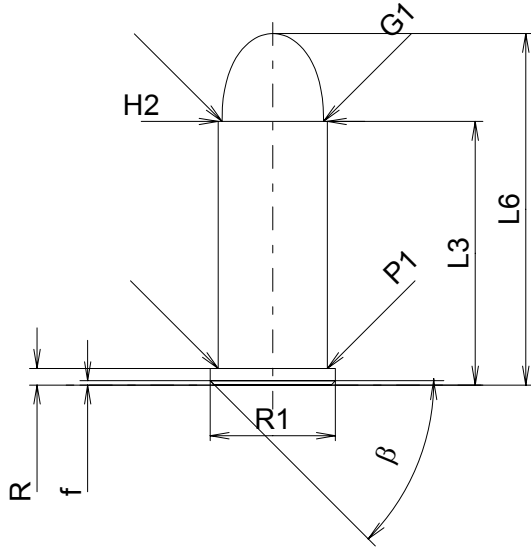
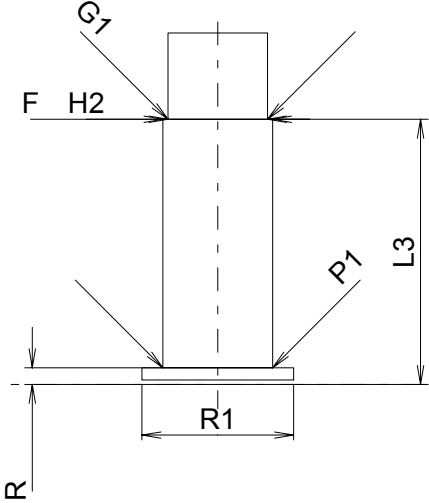
C.I.P.	38 S.& W. et Colt N.P.	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 19.69 L4 = L5 = L6 = 31.50 Case Head R ¹⁾ = 1.40 -0.25 R1 = 11.18 R3 = E = E1 = e min = delta = f = 0.38 beta = 35° Powder Chamber P1 = 9.82 P2 = Junction Cone alpha = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.79 Projectile G1 ¹⁾ = 9.17 G2 = F = L3+G ¹⁾ = 43.37 Pressures (Energies) Method Transducer Pmax = 1200 bar PK = 1380 bar PE = 1560 bar M = 9.00 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 19.65 Breech R ¹⁾ = 1.40 R1 = 11.28 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.91 P2 = Junction Cone alpha = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.86 Commencement of Rifling G1 ^{1)*} = 9.19 G ¹⁾ = 23.68 alpha l * = 25° h = 1.49 s = 21.81 i ^{1)*} = 4°34'59" w = Barrel F ^{1)*} = 8.89 Z ¹⁾ = 9.13 Grooves b = 2.90 N = 5 u = 476.00 Q = 63.84 mm²	
	Notes: 1) Check for safety reasons * Basic dimensions		
	Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		

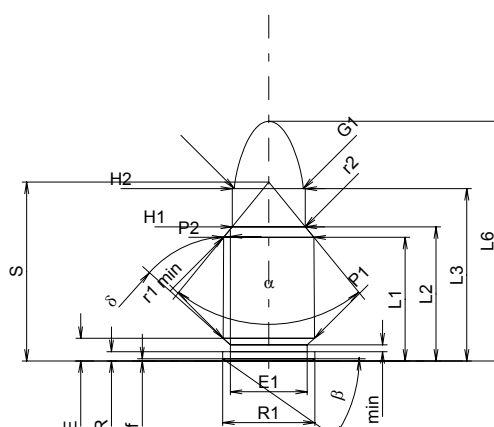
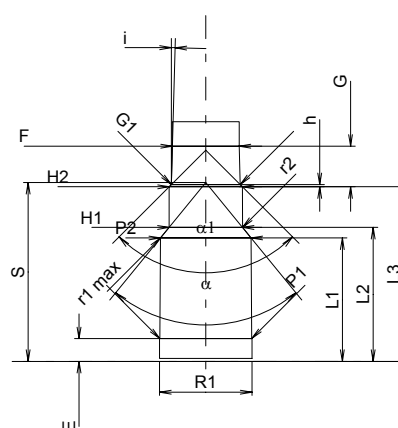
C.I.P.	38 Special Country of Origin: US	TAB. IV
		Date 84-06-14
		Revision 00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 29.34 L4 = L5 = L6 = 39.37 Case Head R ¹⁾ = 1.50 -0.25 R1 = 11.18 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 9.63 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.63 Projectile G1 ¹⁾ = 9.12 G2 = F = L3+G ¹⁾ = 43.06 Pressures (Energies) Method Transducer Pmax = 1500 bar PK = 1725 bar PE = 1950 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 29.54 Breech R ¹⁾ = 1.50 R1 = 11.28 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.68 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.65 Commencement of Rifling G1 ^{1)*} = 9.09 G ¹⁾ = 13.72 α1 * = 13° h = 2.46 s * = 11.91 i ^{1)*} = 4°45' w = Barrel F ^{1)*} = 8.79 Z ¹⁾ = 9.02 Grooves b = 2.67 N = 6 u = 476.00 Q = 62.55 mm ²
		
Scale 1:1		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	Notes: 1) Check for safety reasons * Basic dimensions	

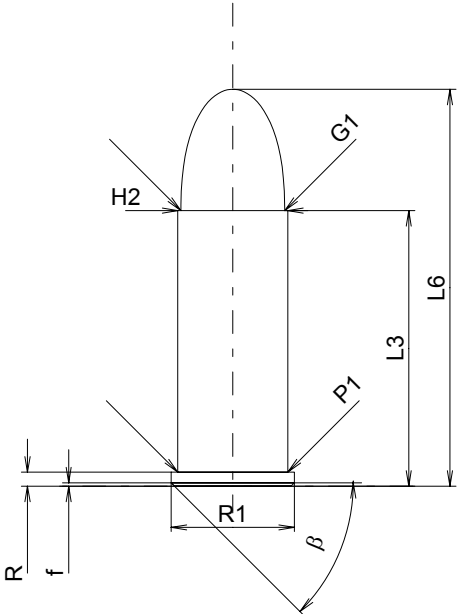
C.I.P.	38 Spl. AMU Country of Origin: US	TAB. IV
		Date 84-06-14
		Revision 00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 29.34 L4 = L5 = L6 = 30.23 Case Head R ¹⁾ = 1.27 -0.25 R1 = 10.31 R3 = E = 3.20 E1 = 8.76 e min = δ = 12°42'05" f = 0.91 β = 35° Powder Chamber P1 = 9.63 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.63 Projectile G1 ¹⁾ = 9.11 G2 = F = L3+G ¹⁾ = 45.76 Pressures (Energies) Method Transducer Pmax = 1250 bar PK = 1438 bar PE = 1625 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 29.34 Breech R ¹⁾ = 1.27 R1 = 10.41 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.71 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.65 Commencement of Rifling G1 ^{1)*} = 9.40 G ¹⁾ = 16.42 α1 * = 3° h = 4.77 s = i ^{1)*} = 1°30' w = Barrel F ^{1)*} = 8.79 Z ¹⁾ = 9.02 Grooves b = 3.07 N = 6 u = 356.00 Q = 62.85 mm ²
Scale 1:1	Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		

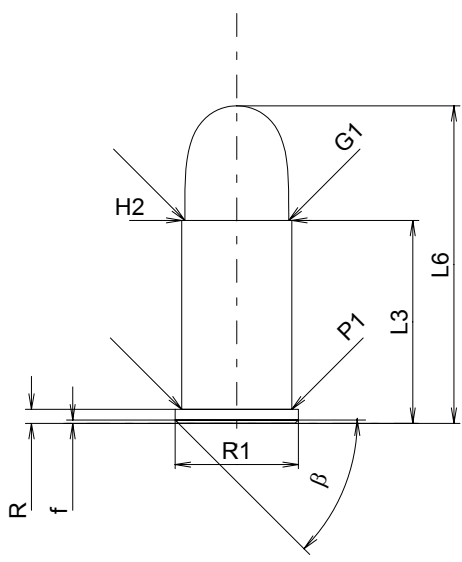
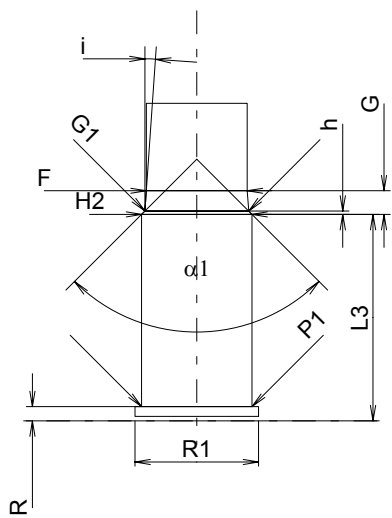
C.I.P.	38 Spl. Wad Cut. Country of Origin: US	TAB. IV
		Date 84-06-14
		Revision 00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 29.34 L4 = L5 = L6 = 30.35 Case Head R ¹⁾ = 1.50 -0.25 R1 = 11.18 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 9.63 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.63 Projectile G1 ¹⁾ = 9.14 G2 = F = L3+G ¹⁾ = 43.06 Pressures (Energies) Method Transducer Pmax = 1200 bar PK = 1380 bar PE = 1560 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 29.54 Breech R ¹⁾ = 1.50 R1 = 11.28 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.68 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.65 Commencement of Rifling G1 ^{1)*} = 9.09 G ¹⁾ = 13.72 α1 * = 13° h = 2.46 s = 11.91 i ^{1)*} = 4°45' w = Barrel F ^{1)*} = 8.79 Z ¹⁾ = 9.02 Grooves b = 2.67 N = 6 u = 476.00 Q = 62.51 mm ²
	Scale 1:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	
Notes: 1) Check for safety reasons * Basic dimensions		

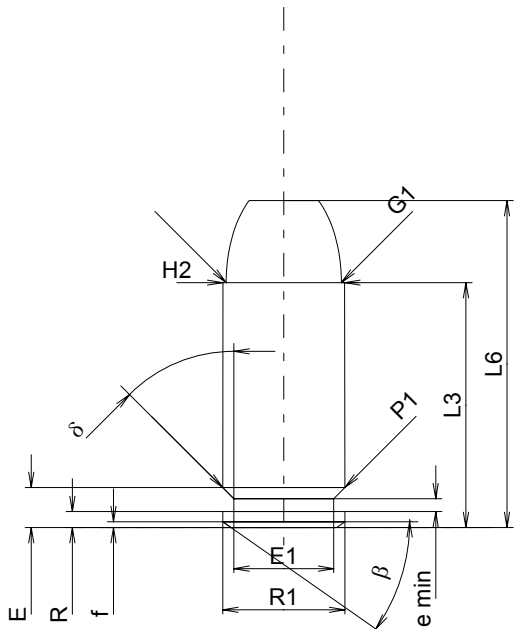
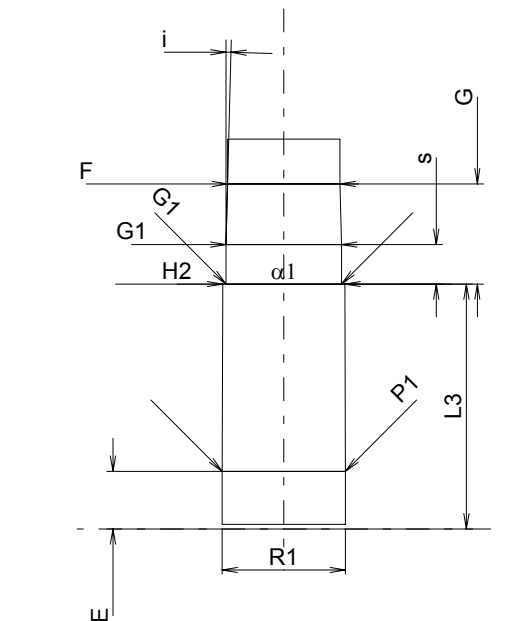
C.I.P.	38 Super Auto	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 22.86 L4 = L5 = L6 = 32.51 Case Head R ¹⁾ = 1.27 -0.25 R1 = 10.31 R3 = E = 3.65 E1 = 8.76 e min = 1.02 δ = 20° f = 0.41 β = 35° Powder Chamber P1 = 9.75 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.75 Projectile G1 ¹⁾ = 9.04 G2 = F = L3+G ¹⁾ = 28.01 Pressures (Energies) Method Transducer Pmax = 2300 bar PK = 2645 bar PE = 2990 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 23.31 Breech R ¹⁾ = 1.27 R1 = 10.36 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.88 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.83 Commencement of Rifling G1 ¹⁾ * = 9.15 G ¹⁾ = 5.15 α1 * = 180° h = s = i ¹⁾ * = 3°22'39" w = Barrel F ¹⁾ * = 8.79 Z ¹⁾ = 9.02 Grooves b = 3.07 N = 6 u = 406.00 Q = 62.85 mm ²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

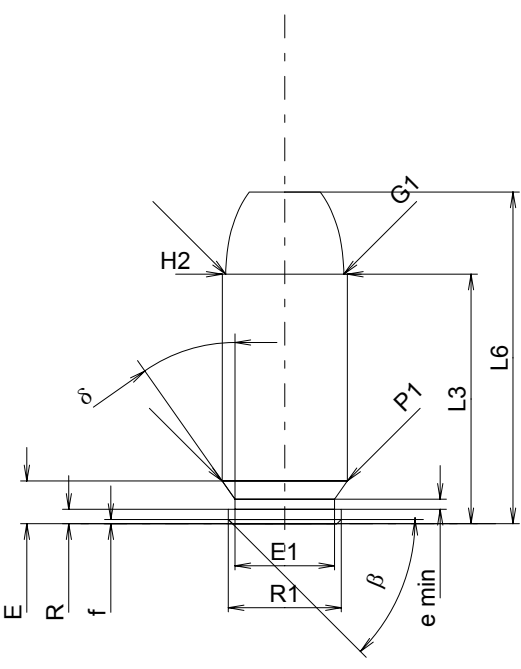
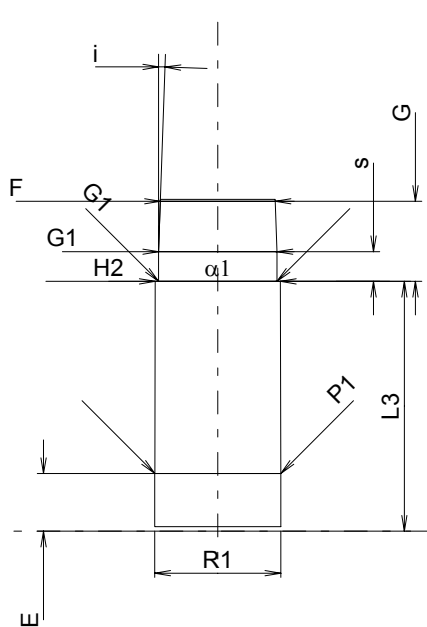
C.I.P.	38/357 FX	TAB.	IV
		Date	98-01-27
		Revision	00-06-07
Country of Origin: CA			
	CARTRIDGE MAXI		CHAMBER MINI
	Lengths L1 = L2 = L3 ¹⁾ = 23.24 L4 = L5 = L6 = 30.99 Case Head R ¹⁾ = 1.47 -0.25 R1 = 11.05 R3 = E = E1 = e min = δ = f = 0.38 β = 45° Powder Chamber P1 = 9.63 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.63 Projectile G1 ¹⁾ = 8.94 G2 = F = L3+G = Pressures (Energies) Method Transducer Pmax = 350 bar PK = 403 bar PE = 455 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =		Lengths L1 = L2 = L3 ¹⁾ = 23.38 Breech R ¹⁾ = 1.47 R1 = 13.38 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.68 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.68 Commencement of Rifling G1 ^{1)*} = 8.79 G = α1 = h = s = i = w = Barrel F ^{1)*} = 8.79 Z ¹⁾ = 9.02 Grooves b = 2.48 N = 6 u = 254.00 Q = 62.42 mm²
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

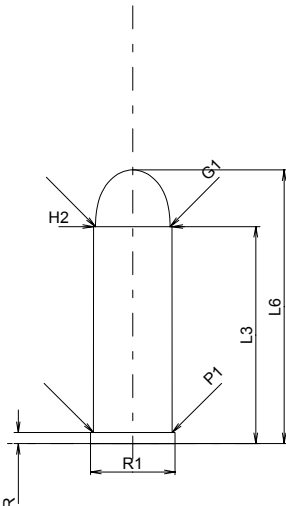
C.I.P.	38-45 ACP	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 ¹⁾ = 16.35 -0.20 L2 ¹⁾ = 17.75 -0.20 L3 ¹⁾ = 22.80 L4 = L5 = L6 = 31.70 Case Head R = 1.24 R1 = 12.19 R3 = E = 3.01 E1 = 10.15 e min = 0.90 δ = 45° f = 0.30 β = 35° Powder Chamber P1 = 12.10 P2 ¹⁾ * = 11.94 -0.20 Junction Cone α [*] = 78°30' S [*] = 23.66 r1 min = 1.20 r2 = 1.20 Collar H1 [*] = 9.65 H2 ¹⁾ = 9.65 Projectile G1 ¹⁾ = 9.12 G2 = F = L3+G ¹⁾ = 28.16 Pressures (Energies) Method Transducer Pmax = 2350 bar PK = 2703 bar PE = 3055 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	Lengths L1 = 16.33 L2 = 17.72 L3 ¹⁾ = 23.10 Breech R = 1.24 R1 = 12.22 R2 = R3 = r = Powder Chamber E = 3.01 P1 ¹⁾ = 12.15 P2 [*] = 11.98 Junction Cone α ¹⁾ * = 78°30' S [*] = 23.66 r1 max = 1.20 r2 = 1.50 Collar H1 [*] = 9.70 H2 ¹⁾ = 9.68 Commencement of Rifling G1 ¹⁾ * = 9.13 G ¹⁾ = 5.36 α1 [*] = 90° h = 0.28 s = i ¹⁾ * = 1°38'05" w = Barrel F ¹⁾ * = 8.84 Z ¹⁾ = 9.09 Grooves b = 2.80 N = 6 u = 475.00 Q = 63.51 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

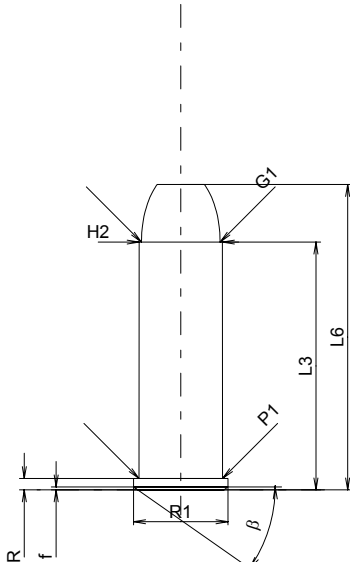
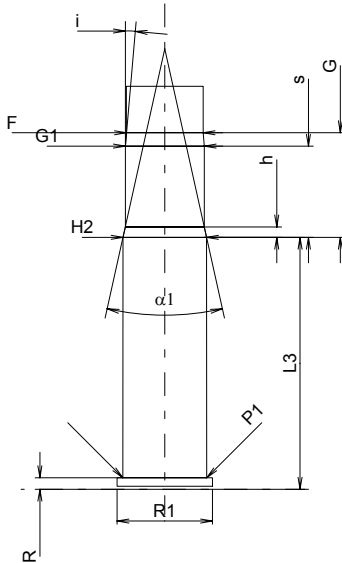
C.I.P.	380 Long	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 24.30 L4 = L5 = L6 = 35.00 Case Head R ¹⁾ = 1.25 -0.25 R1 = 10.85 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 9.70 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.70 Projectile G1 ¹⁾ = 9.15 G2 = F = L3+G ¹⁾ = 26.79 Pressures (Energies) Method Transducer Pmax = 770 bar PK = 886 bar PE = 1001 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 24.50 Breech R ¹⁾ = 1.25 R1 = 10.90 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.75 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.73 Commencement of Rifling G1 ^{1)*} = 9.15 G ^{1)*} = 2.49 α1 = 90° h* = 0.29 s = i ¹⁾ = 3°15'06" w = Barrel F ^{1)*} = 8.90 Z ¹⁾ = 9.13 Grooves b = 2.40 N = 6 u = 500.00 Q = 63.89 mm²	
Scale 1.5:1	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

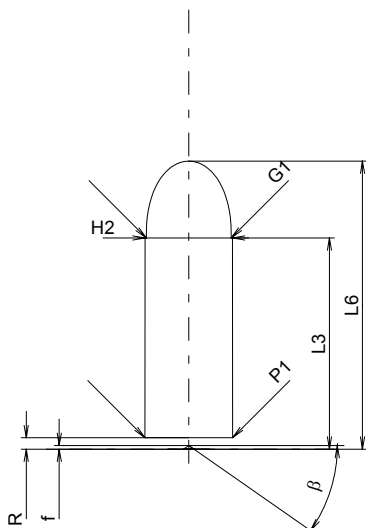
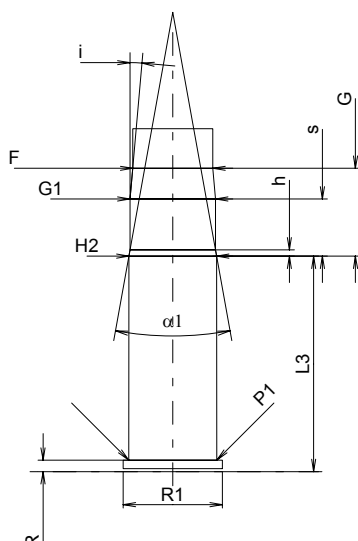
C.I.P.	380 Short	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 17.90 L4 = L5 = L6 = 28.00 Case Head R ¹⁾ = 1.25 -0.25 R1 = 10.85 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 9.70 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.70 Projectile G1 ¹⁾ = 9.15 G2 = F = L3+G ¹⁾ = 19.98 Pressures (Energies) Method Transducer Pmax = 680 bar PK = 782 bar PE = 884 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 18.20 Breech R ¹⁾ = 1.25 R1 = 10.90 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.75 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.73 Commencement of Rifling G1 ^{1)*} = 9.15 G ^{1)*} = 2.08 α1 = 90° h * = 0.29 s = i ¹⁾ = 3°59'41" w = Barrel F ^{1)*} = 8.90 Z ¹⁾ = 9.13 Grooves b = 1.10 N = 7 u = 400.00 Q = 63.10 mm ²	
			
Scale 1.5:1		Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

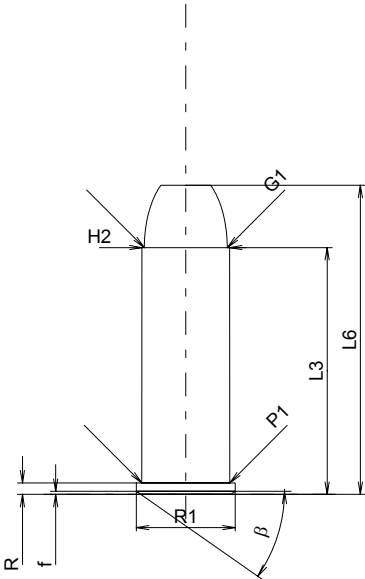
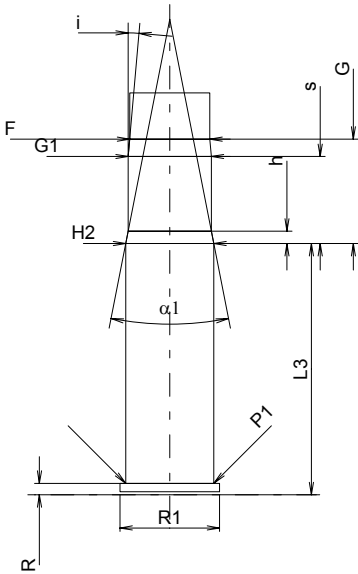
C.I.P.	40 S.& W.	TAB.	IV
		Date	90-02-01
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 21.59 -0.25 L4 = L5 = L6 = 28.83 Case Head R = 1.40 R1 = 10.77 R3 = E = 3.52 E1 = 8.81 e min = 1.14 δ = 45° f = 0.51 β = 35° Powder Chamber P1 = 10.77 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 10.74 Projectile G1 ¹⁾ = 10.17 G2 = F = L3+G ¹⁾ = 30.42 Pressures (Energies) Method Transducer Pmax = 2250 bar PK = 2588 bar PE = 2925 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 21.59 Breech R = R1 = 10.88 R2 = R3 = r = Powder Chamber E = 5.08 P1 ¹⁾ = 10.86 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 10.77 Commencement of Rifling G1 ^{1)*} = 10.19 G ¹⁾ = 8.83 α1 [*] = 180° h = s = 3.48 i ^{1)*} = 1°30' w = Barrel F ^{1)*} = 9.91 Z ¹⁾ = 10.17 Grooves b = 3.05 N = 6 u = 406.00 Q = 79.55 mm²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

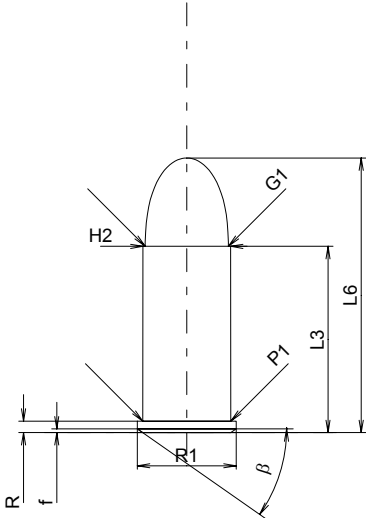
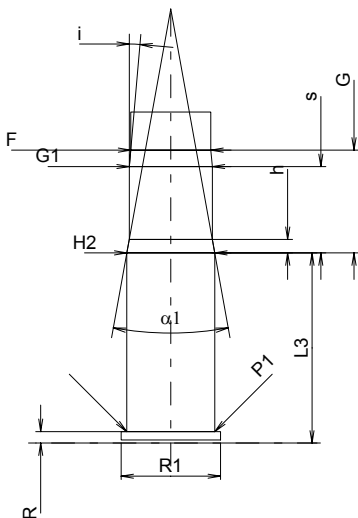
C.I.P.	41 ACT EXP	TAB.	IV
		Date	86-12-03
		Revision	00-06-07
Country of Origin: IL			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 22.00 -0.25 L4 = L5 = L6 = 29.25 Case Head R = 1.27 R1 = 9.96 R3 = E = 3.77 E1 = 8.79 e min = 0.89 δ = 35° f = 0.38 β = 45° Powder Chamber P1 = 11.05 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 11.03 Projectile G1 ¹⁾ = 10.41 G2 = F = L3+G ¹⁾ = 29.06 Pressures (Energies) Method Transducer Pmax = 2250 bar PK = 2588 bar PE = 2925 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 22.02 Breech R = 2.54 R1 = 11.11 R2 = R3 = r = Powder Chamber E = 5.08 P1 ¹⁾ = 11.10 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 11.05 Commencement of Rifling G1 ^{1)*} = 10.44 G ¹⁾ = 7.06 α1 [*] = 180° h = s = 2.62 i ^{1)*} = 2° w = Barrel F ^{1)*} = 10.13 Z ¹⁾ = 10.39 Grooves b = 2.00 N = 6 u = 360.00 Q = 82.17 mm²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

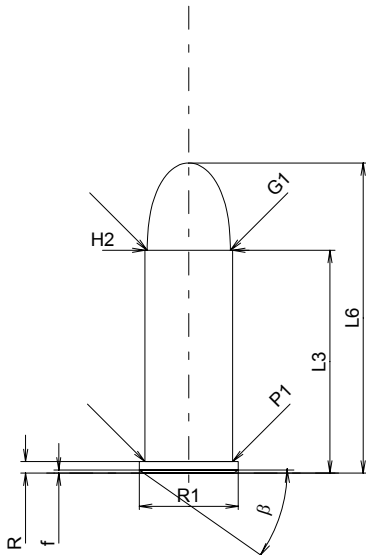
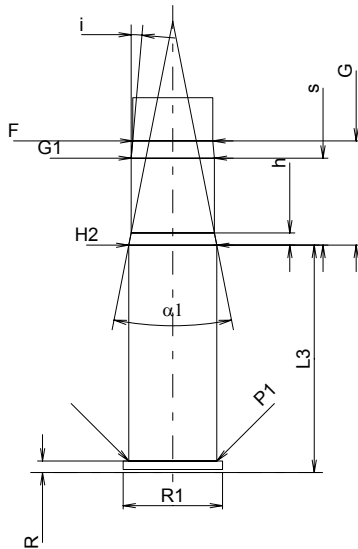
C.I.P.	41 Long Colt	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 28.70 L4 = L5 = L6 = 36.19 Case Head R ¹⁾ = 1.45 -0.25 R1 = 11.18 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 10.43 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 10.39 Projectile G1 ¹⁾ = 9.86 G2 = F = L3+G ¹⁾ = 31.29 Pressures (Energies) Method Transducer Pmax = 900 bar PK = 1035 bar PE = 1170 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 39.83 Breech R ¹⁾ = 1.52 R1 = 11.28 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 10.49 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 10.42 Commencement of Rifling G1 ¹⁾ * = 10.29 G ¹⁾ = 2.59 α1 * = 7°40'12" h = 0.97 s = i ¹⁾ * = 4°34'59" w = Barrel F ¹⁾ * = 10.03 Z ¹⁾ = 10.19 Grooves b = 3.61 N = 6 u = 406.00 Q = 80.78 mm²	
Scale 1:1	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix .			

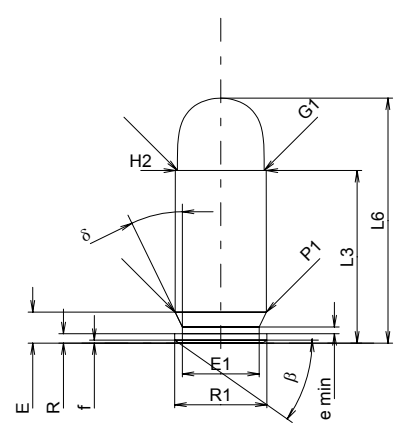
C.I.P.	41 Rem. Mag.	TAB.	IV
		Date	86-12-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 32.77 L4 = L5 = L6 = 40.39 Case Head R ¹⁾ = 1.50 -0.25 R1 = 12.50 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 11.05 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 11.02 Projectile G1 ¹⁾ = 10.41 G2 = F = L3+G ¹⁾ = 46.60 Pressures (Energies) Method Transducer Pmax = 3000 bar PK = 3450 bar PE = 3900 bar M = 17.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 33.32 Breech R ¹⁾ = 1.52 R1 = 12.62 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.10 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 11.05 Commencement of Rifling G1 ^{1)*} = 10.44 G ¹⁾ = 13.83 α1 [*] = 25° h = 1.38 s = 12.06 i ^{1)*} = 5° w = Barrel F ^{1)*} = 10.13 Z ¹⁾ = 10.39 Grooves b = 2.68 N = 6 u = 476.30 Q = 82.71 mm²	
		Notes: 1) Check for safety reasons * Basic dimensions	
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

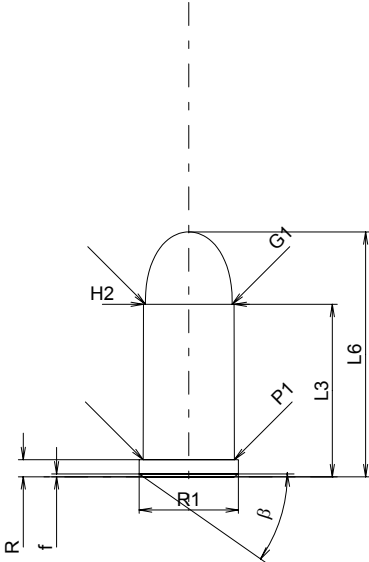
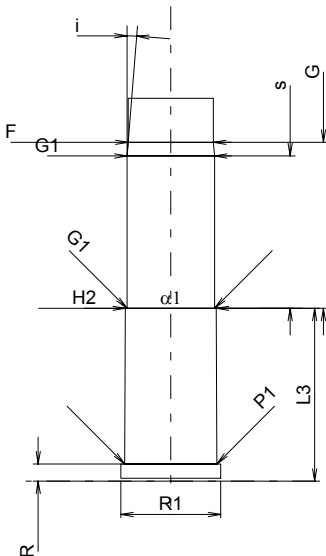
C.I.P.	44 Colt	TAB.	IV
		Date	00-02-15
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 27.94 L4 = L5 = L6 = 38.10 Case Head R ¹⁾ = 1.52 -0.25 R1 = R3 = E = E1 = e min = δ = f = 0.50 β = 35° Powder Chamber P1 = 11.58 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 11.55 Projectile G1 ¹⁾ = 11.25 G2 = F = L3+G ¹⁾ = 39.56 Pressures (Energies) Method Transducer Pmax = 1000 bar PK = 1150 bar PE = 1300 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 28.50 Breech R ¹⁾ = 1.52 R1 = 13.10 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.63 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 11.60 Commencement of Rifling G1 ¹⁾ * = 11.30 G ¹⁾ = 11.62 α1 * = 20°24' h = 0.83 s = 7.56 i ¹⁾ * = 5° w = Barrel F ¹⁾ * = 10.59 Z ¹⁾ = 10.90 Grooves b = 2.73 N = 6 u = 508.00 Q = 90.65 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

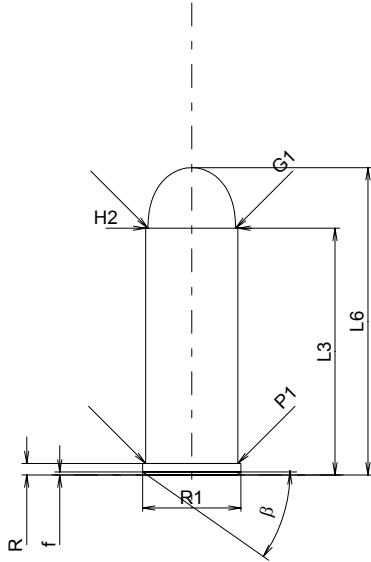
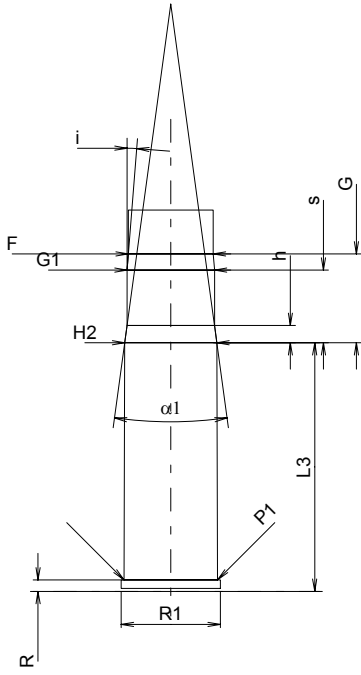
C.I.P.	44 Rem. Mag.	TAB.	IV
		Date	86-12-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 32.64 L4 = L5 = L6 = 40.89 Case Head R ¹⁾ = 1.52 -0.25 R1 = 13.06 R3 = E = E1 = e min = δ = f = 0.40 β = 35° Powder Chamber P1 = 11.61 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 11.58 Projectile G1 ¹⁾ = 10.97 G2 = F = L3+G ¹⁾ = 46.44 Pressures (Energies) Method Transducer Pmax = 2800 bar PK = 3220 bar PE = 3640 bar M = 17.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 33.23 Breech R ¹⁾ = 1.52 R1 = 13.18 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.66 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 11.63 Commencement of Rifling G1 ^{1)*} = 10.99 G ¹⁾ = 13.80 α1 [*] = 22°12' h = 1.63 s = 11.51 i ^{1)*} = 5° w = Barrel F ^{1)*} = 10.59 Z ¹⁾ = 10.90 Grooves b = 2.73 N = 6 u = 508.00 Q = 90.65 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

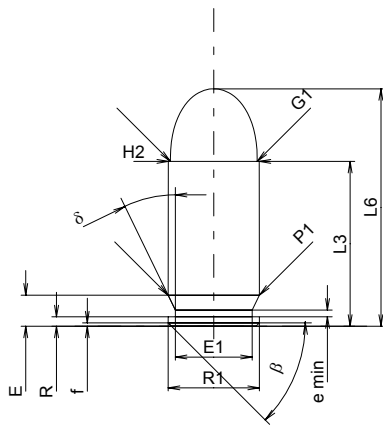
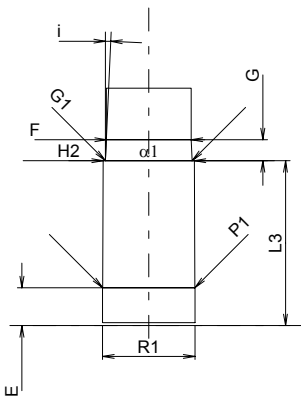
C.I.P.	44 S.& W. Russian	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 24.64 L4 = L5 = L6 = 36.32 Case Head R ¹⁾ = 1.52 -0.25 R1 = 13.08 R3 = E = E1 = e min = delta = f = 0.50 beta = 35° Powder Chamber P1 = 11.61 P2 = Junction Cone alpha = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 11.59 Projectile G1 ¹⁾ = 10.98 G2 = F = L3+G ¹⁾ = 38.23 Pressures (Energies) Method Transducer Pmax = 1000 bar PK = 1150 bar PE = 1300 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 25.15 Breech R ¹⁾ = 1.52 R1 = 13.16 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.62 P2 = Junction Cone alpha = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 11.61 Commencement of Rifling G1 ^{1)*} = 10.97 G ¹⁾ = 13.59 alpha 1 * = 20°24' h = 1.78 s = 11.42 i ^{1)*} = 5° w = Barrel F ^{1)*} = 10.59 Z ¹⁾ = 10.90 Grooves b = 3.26 N = 5 u = 508.00 Q = 90.65 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

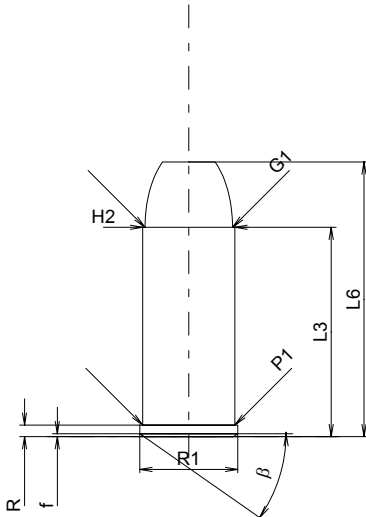
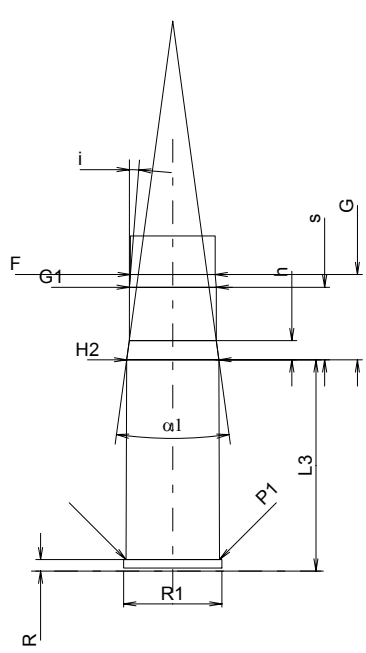
C.I.P.	44 S.& W. Special	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 29.46 L4 = L5 = L6 = 41.02 Case Head R ¹⁾ = 1.52 -0.25 R1 = 13.06 R3 = E = E1 = e min = δ = f = 0.40 β = 35° Powder Chamber P1 = 11.60 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 11.60 Projectile G1 ¹⁾ = 10.98 G2 = F = L3+G ¹⁾ = 43.26 Pressures (Energies) Method Transducer Pmax = 1000 bar PK = 1150 bar PE = 1300 bar M = 17.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 30.06 Breech R ¹⁾ = 1.52 R1 = 13.16 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.66 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 11.63 Commencement of Rifling G1 ^{1)*} = 10.99 G ¹⁾ = 13.80 α1 [*] = 22°12'50" h = 1.63 s = 11.51 i ^{1)*} = 5° w = Barrel F ^{1)*} = 10.59 Z ¹⁾ = 10.90 Grooves b = 3.26 N = 5 u = 508.00 Q = 90.65 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

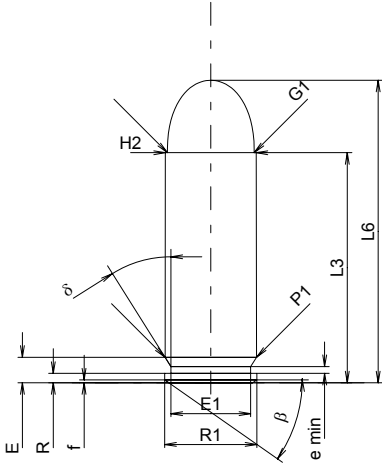
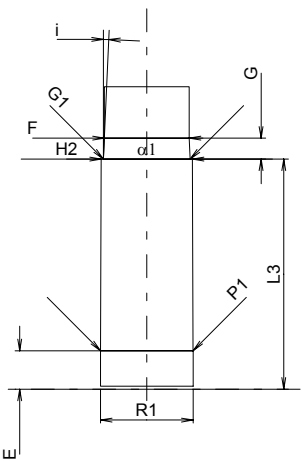
C.I.P.	45 Auto	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 22.81 -0.25 L4 = L5 = L6 = 32.39 Case Head R = 1.24 R1 = 12.19 R3 = E = 4.11 E1 = 10.16 e min = 0.89 δ = 26° f = 0.38 β = 35° Powder Chamber P1 = 12.09 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.01 Projectile G1 ¹⁾ = 11.48 G2 = F = L3+G ¹⁾ = 25.58 Pressures (Energies) Method Transducer Pmax = 1300 bar PK = 1495 bar PE = 1690 bar M = 12.50 Pressures (Energies) Method Transducer Pmax = 1300 bar PK = 1495 bar PE = 1690 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 22.81 Breech R = R1 = 12.22 R2 = R3 = r = Powder Chamber E = 5.08 P1 ¹⁾ = 12.18 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.04 Commencement of Rifling G1 ¹⁾ * = 11.48 G ¹⁾ = 2.77 α 1 * = 180° h = s = i ¹⁾ * = 2°34'59" w = Barrel F ¹⁾ * = 11.23 Z ¹⁾ = 11.43 Grooves b = 3.73 N = 6 u = 406.00 Q = 101.33 mm ²	
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

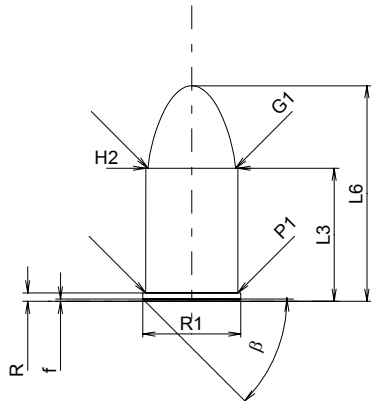
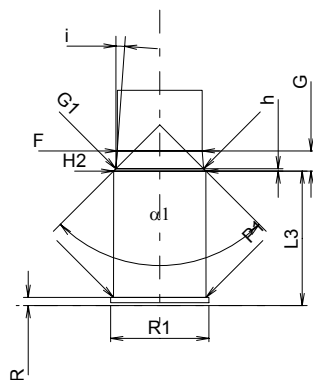
C.I.P.	45 Auto Rim	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 22.81 L4 = L5 = L6 = 32.39 Case Head R ¹⁾ = 2.26 -0.25 R1 = 13.11 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 12.09 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 11.99 Projectile G1 ¹⁾ = 11.48 G2 = F = L3+G ¹⁾ = 44.77 Pressures (Energies) Method Transducer Pmax = 1200 bar PK = 1380 bar PE = 1560 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 22.86 Breech R ¹⁾ = 2.29 R1 = 13.21 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.18 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.01 Commencement of Rifling G1 ^{1)*} = 11.57 G ¹⁾ = 21.96 α1 * = 180° h = s = 20.15 i ^{1)*} = 4°34'59" w = Barrel F ^{1)*} = 11.28 Z ¹⁾ = 11.46 Grooves b = 3.96 N = 6 u = 406.00 Q = 102.12 mm ²	
	Scale 1:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		
Notes: 1) Check for safety reasons * Basic dimensions			

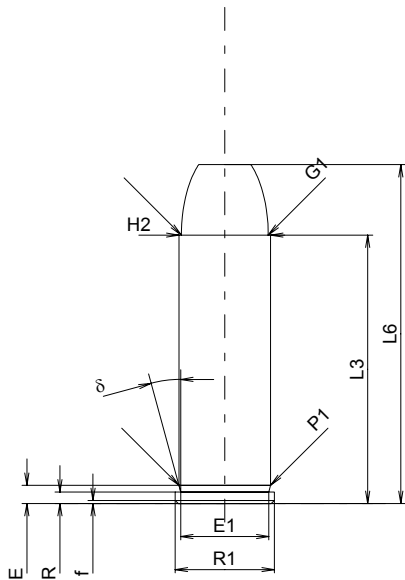
C.I.P.	45 Colt	TAB.	IV
		Date	91-02-20
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 32.64 L4 = L5 = L6 = 40.64 Case Head R ¹⁾ = 1.52 -0.25 R1 = 13.00 R3 = E = E1 = e min = δ = f = 0.40 β = 35° Powder Chamber P1 = 12.19 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.19 Projectile G1 ¹⁾ = 11.58 G2 = F = L3+G ¹⁾ = 44.38 Pressures (Energies) Method Transducer Pmax = 1100 bar PK = 1265 bar PE = 1430 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 32.89 Breech R ¹⁾ = 1.52 R1 = 13.11 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.37 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.19 Commencement of Rifling G1 ¹⁾ * = 11.57 G ¹⁾ = 11.74 α1 * = 15°30' h = 2.28 s = 9.60 i ¹⁾ * = 4°34'59" w = Barrel F ¹⁾ * = 11.23 Z ¹⁾ = 11.43 Grooves b = 3.96 N = 6 u = 406.00 Q = 101.48 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

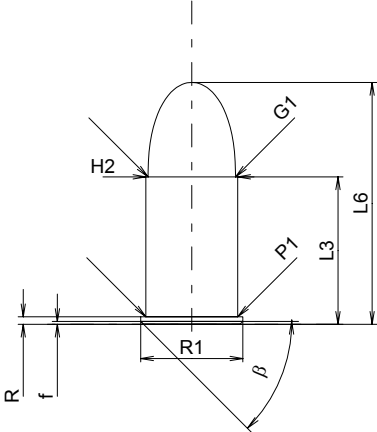
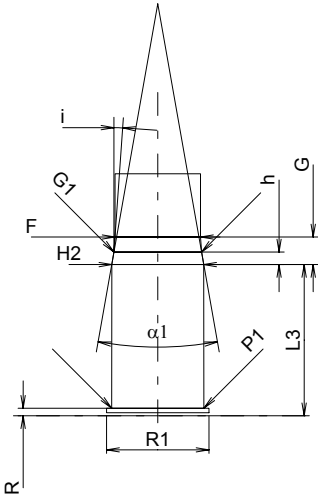
C.I.P.	45 HP	TAB.	IV
		Date	84-11-16
		Revision	00-06-07
Country of Origin: AT			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 21.80 -0.25 L4 = L5 = L6 = 31.40 Case Head R = 1.24 R1 = 12.05 R3 = E = 4.11 E1 = 10.16 e min = 0.89 δ = 26° f = 0.44 β = 45° Powder Chamber P1 = 12.09 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.01 Projectile G1 ¹⁾ = 11.48 G2 = F = L3+G ¹⁾ = 24.57 Pressures (Energies) Method Transducer Pmax = 1300 bar PK = 1495 bar PE = 1690 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 21.81 Breech R = R1 = 12.22 R2 = R3 = r = Powder Chamber E = 5.00 P1 ¹⁾ = 12.18 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.04 Commencement of Rifling G1 ^{1)*} = 11.48 G ^{1)*} = 2.77 α1 = 180° h = s = i ¹⁾ = 2°35'02" w = Barrel F ^{1)*} = 11.23 Z ¹⁾ = 11.43 Grooves b = 3.73 N = 6 u = 406.00 Q = 101.33 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

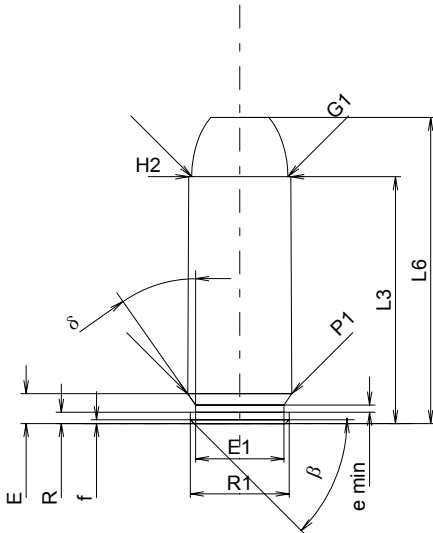
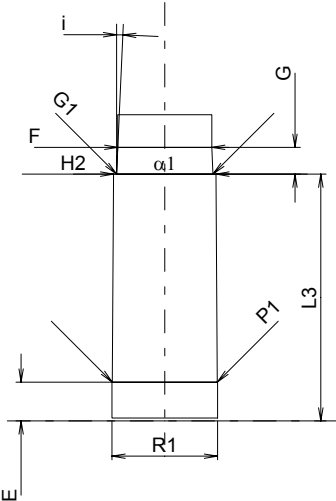
C.I.P.	45 S.& W. Schofield	TAB.	IV
		Date	00-02-15
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 27.69 L4 = L5 = L6 = 36.32 Case Head R ¹⁾ = 1.52 -0.25 R1 = 12.95 R3 = E = E1 = e min = δ = f = 0.40 β = 35° Powder Chamber P1 = 12.19 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.19 Projectile G1 ¹⁾ = 11.58 G2 = F = L3+G ¹⁾ = 38.97 Pressures (Energies) Method Transducer Pmax = 1000 bar PK = 1150 bar PE = 1300 bar M = 12.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 27.94 Breech R ¹⁾ = 1.52 R1 = 13.01 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.37 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.19 Commencement of Rifling G1 ¹⁾ * = 11.50 G ¹⁾ = 11.28 α1 * = 15°30' h = 2.54 s = 9.60 i ¹⁾ * = 4°34'59" w = Barrel F ¹⁾ * = 11.23 Z ¹⁾ = 11.43 Grooves b = 3.96 N = 6 u = 406.00 Q = 101.48 mm ²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	45 Win. Mag. Country of Origin: US	TAB. IV
		Date 84-06-14
		Revision 00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 30.43 -0.25 L4 = L5 = L6 = 40.01 Case Head R = 1.24 R1 = 12.19 R3 = E = 3.38 E1 = 10.54 e min = 0.90 δ = 32° f = 0.38 β = 35° Powder Chamber P1 = 12.10 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.01 Projectile G1 ¹⁾ = 11.48 G2 = F = L3+G ¹⁾ = 33.20 Pressures (Energies) Method Transducer Pmax = 2750 bar PK = 3163 bar PE = 3575 bar M = 17.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 30.43 Breech R = R1 = 12.24 R2 = R3 = r = Powder Chamber E = 5.08 P1 ¹⁾ = 12.21 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.04 Commencement of Rifling G1 ^{1)*} = 11.48 G ¹⁾ = 2.77 α1 * = 180° h = s = i ^{1)*} = 2°34'59" w = Barrel F ^{1)*} = 11.23 Z ¹⁾ = 11.43 Grooves b = 3.73 N = 6 u = 406.00 Q = 101.33 mm ²
	Scale 1:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	
Notes: 1) Check for safety reasons * Basic dimensions		

C.I.P.	450 Short	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 17.60 L4 = L5 = L6 = 28.50 Case Head R ¹⁾ = 1.10 -0.25 R1 = 12.95 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 12.18 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.17 Projectile G1 ¹⁾ = 11.58 G2 = F = L3+G ¹⁾ = 20.27 Pressures (Energies) Method Transducer Pmax = 720 bar PK = 828 bar PE = 936 bar M = 8.00 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 17.80 Breech R ¹⁾ = 1.10 R1 = 13.00 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.22 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.20 Commencement of Rifling G1 ¹⁾ * = 11.58 G ¹⁾ * = 2.67 α1 = 90° h * = 0.31 s = i ¹⁾ = 4° w = Barrel F ¹⁾ * = 11.25 Z ¹⁾ = 11.48 Grooves b = 3.78 N = 5 u = 500.00 Q = 101.60 mm ²	
	Scale 1:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		
Notes:		1) Check for safety reasons * Basic dimensions	

C.I.P.	454 Casull Country of Origin: US	TAB.	IV
		Date	95-03-09
		Revision	00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 35.50 L4 = L5 = L6 = 44.83 Case Head R ¹⁾ = 1.52 -0.25 R1 = 13.10 R3 = E = 2.40 E1 = 11.65 e min = δ = 15°15'18" f = 0.40 β = Powder Chamber P1 = 12.13 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.12 Projectile G1 ¹⁾ = 11.49 G2 = F = L3+G ¹⁾ = 47.70 Pressures (Energies) Method Transducer Pmax = 3900 bar PK = 4485 bar PE = 5070 bar M = 17.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 35.74 Breech R ¹⁾ = 1.52 R1 = 13.11 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.18 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.13 Commencement of Rifling G1 ¹⁾ * = 11.49 G ¹⁾ = 12.20 $\alpha 1^*$ = 60°22'59" h = 0.55 s = 9.60 i ¹⁾ * = 4°25'36" w = Barrel F ¹⁾ * = 11.23 Z ¹⁾ = 11.43 Grooves b = 4.06 N = 6 u = 508.00 Q = 101.54 mm ²	
	Scale 1:1	Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	455 MK II	TAB.	IV
		Date	84-06-14
		Revision	00-06-07
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 19.50 L4 = L5 = L6 = 32.00 Case Head R ¹⁾ = 1.00 -0.25 R1 = 13.50 R3 = E = E1 = e min = δ = f = 0.38 β = 45° Powder Chamber P1 = 12.15 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.14 Projectile G1 ¹⁾ = 11.57 G2 = F = L3+G ¹⁾ = 23.15 Pressures (Energies) Method Transducer Pmax = 900 bar PK = 1035 bar PE = 1170 bar M = 7.50 Miscellaneous Dimensions Fe ¹⁾ = 0.25 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 20.00 Breech R ¹⁾ = 1.00 R1 = 13.55 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.20 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.16 Commencement of Rifling G1 ^{1)*} = 11.58 G ^{1)*} = 3.65 α1 = 20° h * = 1.65 s = i ¹⁾ = 4° w = Barrel F ^{1)*} = 11.30 Z ¹⁾ = 11.55 Grooves b = 1.00 N = 7 u = 500.00 Q = 101.16 mm ²	
	Scale 1:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		
Notes:		1) Check for safety reasons * Basic dimensions	

C.I.P.	50 AE	TAB.	IV
		Date	91-10-18
		Revision	00-06-07
Country of Origin: IL			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 32.64 -0.25 L4 = L5 = L6 = 40.50 Case Head R = 1.50 R1 = 13.06 R3 = E = 3.94 E1 = 11.70 e min = 0.95 δ = 35° f = 0.50 β = 45° Powder Chamber P1 = 13.79 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 13.50 Projectile G1 ¹⁾ = 12.71 G2 = F = L3+G ¹⁾ = 36.19 Pressures (Energies) Method Transducer Pmax = 2300 bar PK = 2645 bar PE = 2990 bar M = 10.50 Miscellaneous Dimensions Fe ¹⁾ = 0.30 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 32.64 Breech R = R1 = 13.96 R2 = R3 = r = Powder Chamber E = 5.14 P1 ¹⁾ = 13.89 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 13.52 Commencement of Rifling G1 ^{1)*} = 12.75 G ¹⁾ = 3.55 α1 [*] = 180° h = s = i ^{1)*} = 2°34'59" w = Barrel F ^{1)*} = 12.43 Z ¹⁾ = 12.73 Grooves b = 3.43 N = 6 u = 482.60 Q = 124.29 mm ²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	