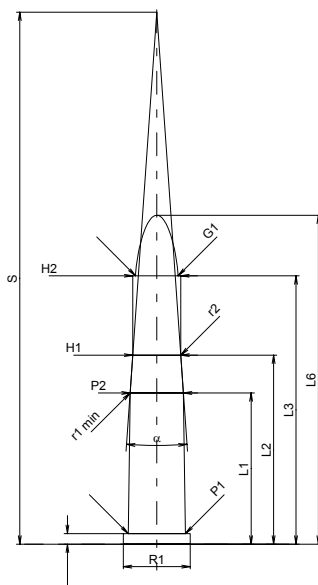
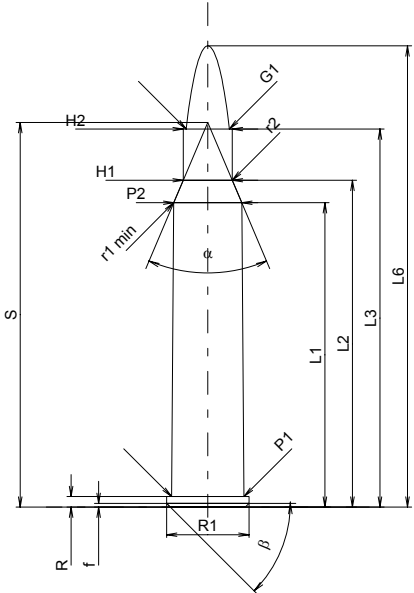
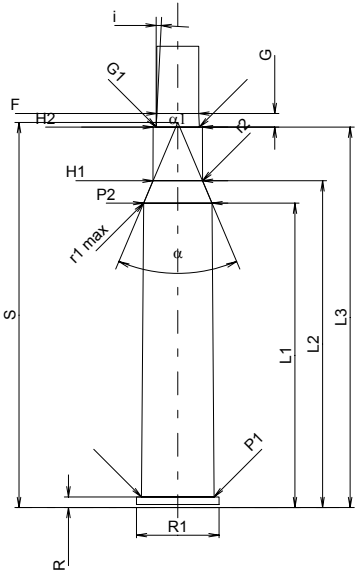
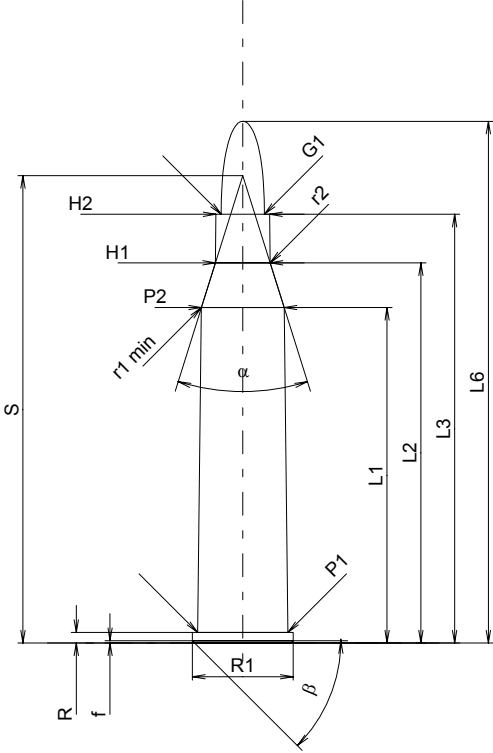
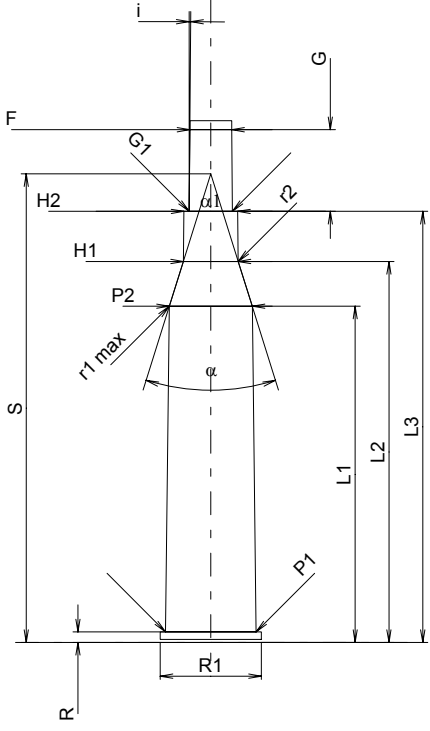
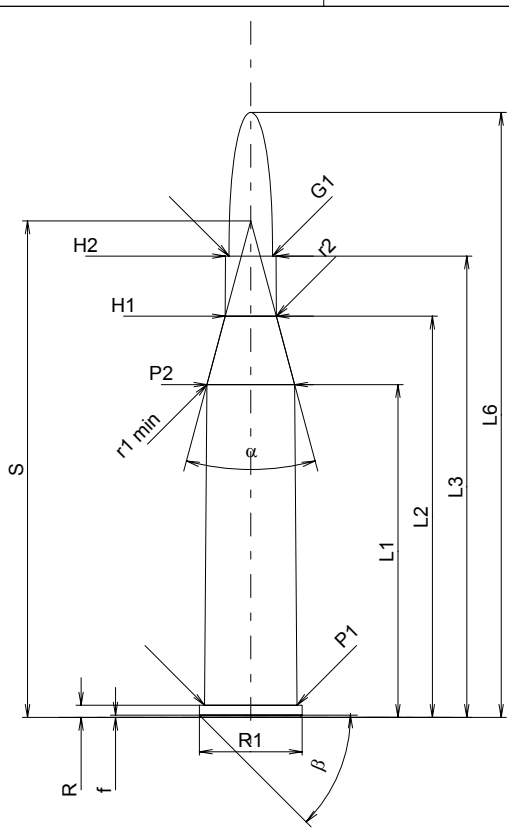
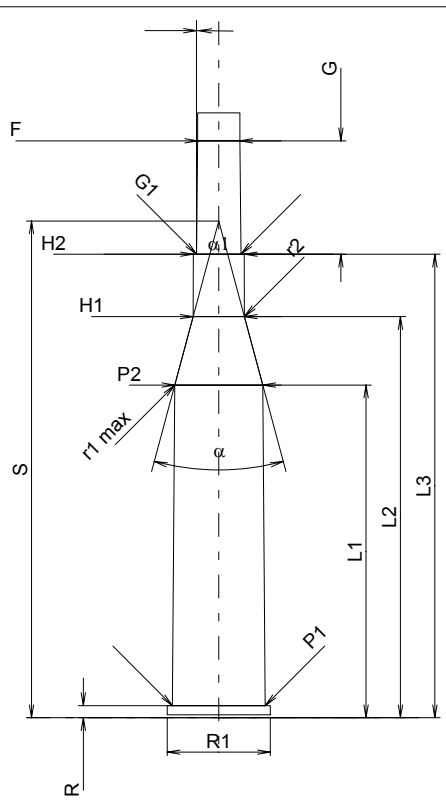


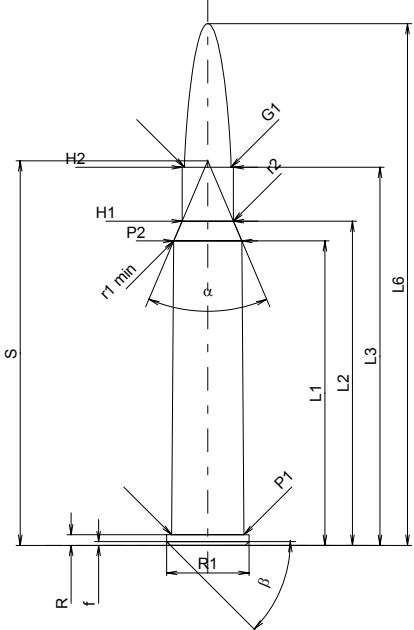
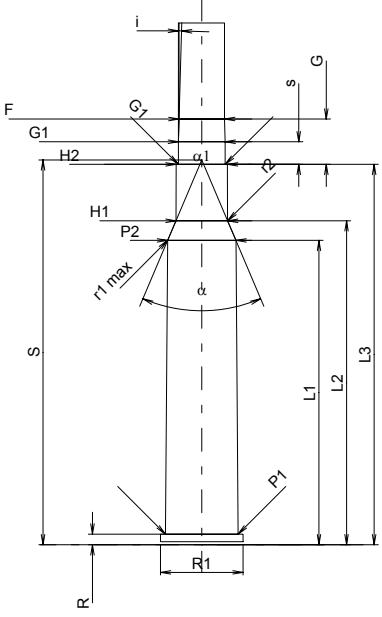
C.I.P.	5,6 x 35 R	TAB. II	
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 20.00 L2 * = 25.00 L3 1) = 35.50 L4 = L5 = L6 = 43.50 Case Head R 1) = 1.40 -0.20 R1 = 8.85 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 7.55 P2 * = 7.05 Junction Cone alpha = 8°00'29" S = 70.36 r1 min = 0.50 r2 = 0.50 Collar H1 * = 6.35 H2 1) = 6.33 Projectile G1 1) = 5.63 G2 = F = L3+G 1) = 55.30 Pressures (Energies) Method Transducer Pmax = 2700 bar PK = 3105 bar PE = 3510 bar M = 17.50 EE = 855 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 20.00 L2 * = 25.00 L3 1) = 35.80 Breech R 1) = 1.40 R1 = 8.90 R2 = R3 = r = Powder Chamber E = P1 1) = 7.58 P2 * = 7.08 Junction Cone alpha = 8°00'28" S = 70.57 r1 max = 0.50 r2 = 0.50 Collar H1 * = 6.38 H2 1) = 6.35 Commencement of Rifling G1 1)* = 5.68 G 1)* = 19.80 alpha l = 180° h = s = i 1) = 0°28'39" w = Barrel F 1)* = 5.35 Z 1) = 5.58 Grooves b = 2.40 N = 4 u = 360.00 Q = 23.62 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.			

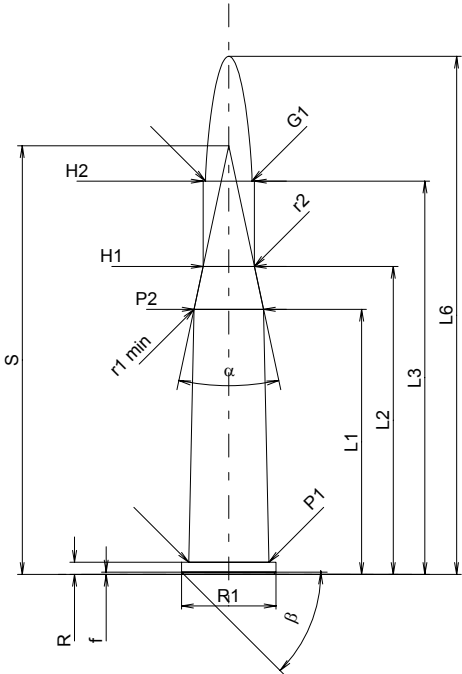
C.I.P.	5,6 x 50 R Mag. Country of Origin: DE	TAB.	II
		Date	98-02-20
		Revision	02-05-15
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 40.26 L2 * = 43.23 L3 ¹⁾ = 50.00 L4 = L5 = L6 = 61.00 Case Head R ¹⁾ = 1.40 -0.25 R1 = 10.90 R3 = E = E1 = e min = δ = f = 0.50 β = 45° Powder Chamber P1 = 9.59 P2 * = 9.00 Junction Cone α = 45°58'38" S = 50.87 r1 min = 0.50 r2 = 0.50 Collar H1 * = 6.48 H2 ¹⁾ = 6.48 Projectile G1 ¹⁾ = 5.70 G2 = F = L3+G ¹⁾ = 51.80 Pressures (Energies) Method Transducer Pmax = 3400 bar PK = 3910 bar PE = 4250 bar M = 25.00 EE = 1950 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 * = 40.26 L2 * = 43.21 L3 ¹⁾ = 50.30 Breech R ¹⁾ = 1.40 R1 = 10.93 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.62 P2 * = 9.03 Junction Cone α = 45°55'40" S = 50.92 r1 max = 0.50 r2 = 0.50 Collar H1 * = 6.53 H2 ¹⁾ = 6.51 Commencement of Rifling G1 ¹⁾ * = 5.74 G ¹⁾ * = 1.80 α1 = 180° h = s = i ¹⁾ = 2°51'45" w = Barrel F ¹⁾ * = 5.56 Z ¹⁾ = 5.69 Grooves b = 2.00 N = 6 u = 350.00 Q = 25.08 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	

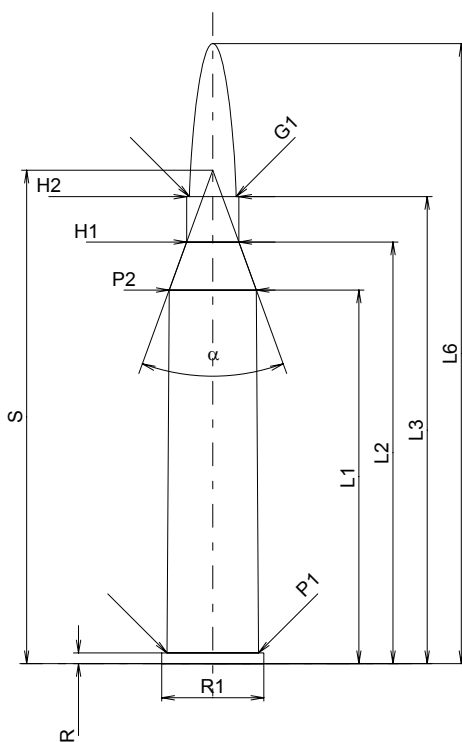
C.I.P.	5,6 x 52 R	TAB. II	
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 35.03 L2 * = 41.62 L3 ¹⁾ = 52.00 L4 = L5 = L6 = 63.75 Case Head R ¹⁾ = 1.60 -0.25 R1 = 12.50 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 10.62 P2 * = 9.20 Junction Cone alpha = 23°59'16" S = 56.68 r1 min = 0.50 r2 = 0.50 Collar H1 * = 6.40 H2 ¹⁾ = 6.40 Projectile G1 ¹⁾ = 5.79 G2 = F = L3+G ¹⁾ = 70.00 Pressures (Energies) Method Transducer Pmax = 3300 bar PK = 3795 bar PE = 4125 bar M = 25.00 EE = 1830 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 * = 35.03 L2 * = 41.62 L3 ¹⁾ = 52.30 Breech R ¹⁾ = 1.60 R1 = 12.55 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 10.65 P2 * = 9.23 Junction Cone alpha = 24° S = 56.74 r1 max = 3.80 r2 = 7.60 Collar H1 * = 6.43 H2 ¹⁾ = 6.42 Commencement of Rifling G1 ¹⁾ * = 5.85 G ¹⁾ * = 18.00 alpha1 = 180° h = s = i ¹⁾ = 0°28'39" w = Barrel F ¹⁾ * = 5.55 Z ¹⁾ = 5.75 Grooves b = 2.00 N = 6 u = 270.00 Q = 25.42 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.	5,6 x 57 R Country of Origin: DE	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 44.37 L2 * = 50.28 L3 ¹⁾ = 56.70 L4 = L5 = L6 = 69.00 Case Head R ¹⁾ = 1.40 -0.25 R1 = 13.32 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 11.94 P2 * = 10.94 Junction Cone α = 34°49'05" S = 61.82 r1 min = 0.50 r2 = 0.50 Collar H1 * = 7.24 H2 ¹⁾ = 7.10 Projectile G1 ¹⁾ = 5.70 G2 = F = L3+G ¹⁾ = 67.50 Pressures (Energies) Method Transducer Pmax = 4400 bar PK = 5060 bar PE = 5500 bar M = 25.00 EE = 2720 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =		CHAMBER MINI Lengths L1 * = 44.46 L2 * = 50.38 L3 ¹⁾ = 57.00 Breech R ¹⁾ = 1.40 R1 = 13.40 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.97 P2 * = 10.97 Junction Cone α = 34°47'45" S = 61.96 r1 max = 0.50 r2 = 0.50 Collar H1 * = 7.26 H2 ¹⁾ = 7.12 Commencement of Rifling G1 ¹⁾ * = 5.72 G ¹⁾ * = 10.80 α1 = 180° h = s = i ¹⁾ = 0°28'39" w = Barrel F ¹⁾ * = 5.54 Z ¹⁾ = 5.69 Grooves b = 2.00 N = 6 u = 250.00 Q = 25.03 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.	5,6 x 61 R SE v. H. Country of Origin: DE	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 44.00 L2 * = 53.05 L3 ¹⁾ = 61.00 L4 = L5 = L6 = 80.00 Case Head R ¹⁾ = 1.60 -0.25 R1 = 13.60 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 12.22 P2 * = 11.60 Junction Cone α = 30° S = 65.65 r1 min = 0.50 r2 = 0.50 Collar H1 * = 6.75 H2 ¹⁾ = 6.68 Projectile G1 ¹⁾ = 5.76 G2 = F = L3+G ¹⁾ = 76.00 Pressures (Energies) Method Transducer Pmax = 3800 bar PK = 4370 bar PE = 4750 bar M = 25.00 EE = 2945 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 * = 44.00 L2 * = 53.05 L3 ¹⁾ = 61.30 Breech R ¹⁾ = 1.60 R1 = 13.65 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.25 P2 * = 11.63 Junction Cone α = 30° S = 65.70 r1 max = 0.50 r2 = 0.50 Collar H1 * = 6.78 H2 ¹⁾ = 6.71 Commencement of Rifling G1 ¹⁾ * = 5.88 G ¹⁾ * = 15.00 α1 = 180° h = s = i ¹⁾ = 0°34'22" w = Barrel F ¹⁾ * = 5.58 Z ¹⁾ = 5.76 Grooves b = 2.60 N = 4 u = 220.00 Q = 25.43 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.	6 x 50 R Scheiring	TAB.	II
		Date	87-09-29
		Revision	02-05-15
Country of Origin: AT			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 40.26 L2 * = 42.87 L3 1) = 50.00 L4 = L5 = L6 = 69.00 Case Head R 1) = 1.40 -0.15 R1 = 10.90 R3 = E = E1 = e min = delta = f = 0.50 beta = 45° Powder Chamber P1 = 9.59 P2 * = 9.00 Junction Cone alpha = 46°04'44" S = 50.84 r1 min = 0.50 r2 = 0.50 Collar H1 * = 6.78 H2 1) = 6.75 Projectile G1 1) = 6.17 G2 = F = L3+G 1) = 56.00 Pressures (Energies) Method Transducer Pmax = 4400 bar PK = 5060 bar PE = 5500 bar M = 25.00 EE = 2100 Joule Miscellaneous Dimensions Fe 1) = 0.10 delta L =	Lengths L1 * = 40.26 L2 * = 42.85 L3 1) = 50.30 Breech R 1) = 1.40 R1 = 10.93 R2 = R3 = r = Powder Chamber E = P1 1) = 9.62 P2 * = 9.03 Junction Cone alpha = 46°01'22" S = 50.89 r1 max = 0.50 r2 = 0.50 Collar H1 * = 6.83 H2 1) = 6.80 Commencement of Rifling G1 1)* = 6.19 G 1)* = 6.00 alpha l = 180° h = s * = 3.00 i 1) = 1°37'22" w = Barrel F 1)* = 6.02 Z 1) = 6.17 Grooves b = 1.73 N = 6 u = 254.00 Q = 29.25 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.	6 x 52 R Bretschneider	TAB.	II
		Date	98-01-27
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI Lengths L1 * = 35.04 L2 * = 40.73 L3 1) = 52.00 L4 = L5 = L6 = 68.50 Case Head R 1) = 1.60 -0.25 R1 = 12.50 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 10.62 P2 * = 9.20 Junction Cone alpha = 24°00'38" S = 56.67 r1 min = 0.50 r2 = 0.50 Collar H1 * = 6.78 H2 1) = 6.78 Projectile G1 1) = 6.17 G2 = F = L3+G 1) = 58.67 Pressures (Energies) Method Transducer Pmax = 3300 bar PK = 3795 bar PE = 4125 bar M = 25.00 EE = 2205 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	CHAMBER MINI Lengths L1 * = 35.03 L2 * = 40.72 L3 1) = 52.30 Breech R 1) = 1.60 R1 = 12.55 R2 = R3 = r = Powder Chamber E = P1 1) = 10.65 P2 * = 9.23 Junction Cone alpha = 24°00'39" S = 56.73 r1 max = 3.80 r2 = 7.50 Collar H1 * = 6.81 H2 1) = 6.80 Commencement of Rifling G1 1)* = 6.19 G 1)* = 6.67 alpha1 = 90° h = 0.31 s * = 3.00 i 1) = 1°19'36" w = Barrel F 1)* = 6.02 Z 1) = 6.17 Grooves b = 1.73 N = 6 u = 254.00 Q = 29.25 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.	6 x 62 R Freres	TAB.	II
		Date	92-02-27
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 49.40 L2 * = 55.75 L3 1) = 61.75 L4 = L5 = L6 = 82.00 Case Head R 1) = 1.40 -0.25 R1 = 13.50 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 12.12 P2 * = 11.53 Junction Cone alpha = 39°58'50" S = 65.25 r1 min = r2 = Collar H1 * = 6.91 H2 1) = 6.91 Projectile G1 1) = 6.18 G2 = F = L3+G 1) = 68.42 Pressures (Energies) Method Transducer Pmax = 4300 bar PK = 4945 bar PE = 5375 bar M = 25.00 EE = 3435 Joule Miscellaneous Dimensions Fe 1) = 0.10 delta L =	Lengths L1 * = 49.40 L2 * = 55.72 L3 1) = 62.00 Breech R 1) = 1.40 R1 = 13.55 R2 = R3 = r = Powder Chamber E = P1 1) = 12.14 P2 * = 11.55 Junction Cone alpha = 39°59'42" S = 65.27 r1 max = r2 = Collar H1 * = 6.95 H2 1) = 6.93 Commencement of Rifling G1 1)* = 6.19 G 1)* = 6.67 alpha1 = 180° h = s * = 2.97 i 1) = 1°19' w = Barrel F 1)* = 6.02 Z 1) = 6.17 Grooves b = 1.73 N = 6 u = 260.00 Q = 29.25 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.

6 x 70 R

Country of Origin: DE

TAB.

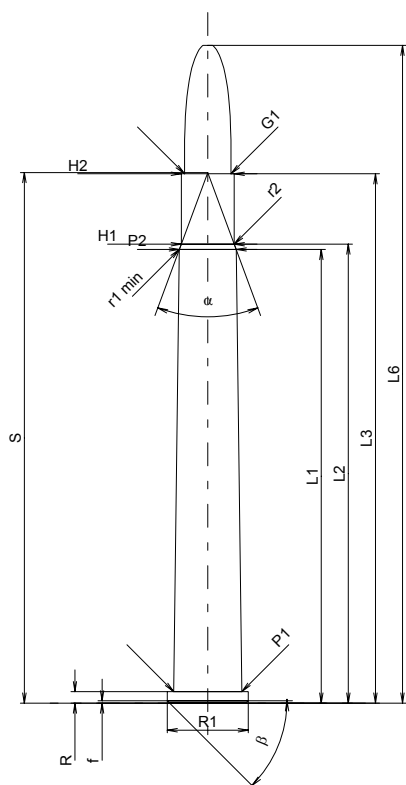
II

Date

00-06-28

Revision

02-05-15



CARTRIDGE MAXI

Lengths

L1 *	=	60.00
L2 *	=	60.69
L3 ¹⁾	=	70.00
L4	=	
L5	=	
L6	=	87.00

Case Head

R ¹⁾	=	1.52	-0.25
R1	=	10.70	
R3	=		
E	=		
E1	=		
e min	=		
delta	=		
f	=	0.30	
beta	=	45°	

Powder Chamber

P1	=	9.00
P2 *	=	7.52

Junction Cone

alpha	=	40°33'54"
S	=	70.17
r1 min	=	0.50
r2	=	0.50

Collar

H1 *	=	7.01
H2 ¹⁾	=	7.01

Projectile

G1 ¹⁾	=	6.17
G2	=	
F	=	
L3+G ¹⁾	=	75.18

Pressures (Energies)

Method Transducer

Pmax	=	2600 bar
PK	=	2990 bar
PE	=	3250 bar
M	=	25.00
EE	=	1785 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	60.03
L2 *	=	60.72
L3 ¹⁾	=	70.30

Breech

R ¹⁾	=	1.52
R1	=	10.75
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	9.03
P2 *	=	7.57

Junction Cone

alpha	=	39°49'58"
S	=	70.48
r1 max	=	
r2	=	

Collar

H1 *	=	7.07
H2 ¹⁾	=	7.04

Commencement of Rifling

G1 ¹⁾ *	=	6.26
G ¹⁾ *	=	5.18
alpha1	=	58°57'06"
h *	=	0.69
s	=	
i ¹⁾	=	1°31'51"
w	=	

Barrel

F ¹⁾ *	=	6.02
Z ¹⁾	=	6.17

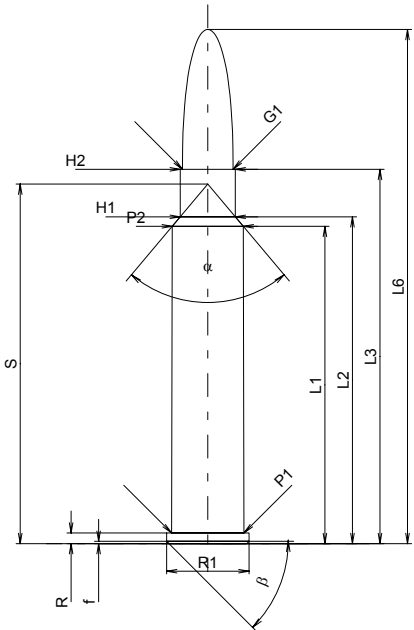
Grooves

b	=	1.73
N	=	6
u	=	254.00
Q	=	29.25 mm ²

Scale 1:1

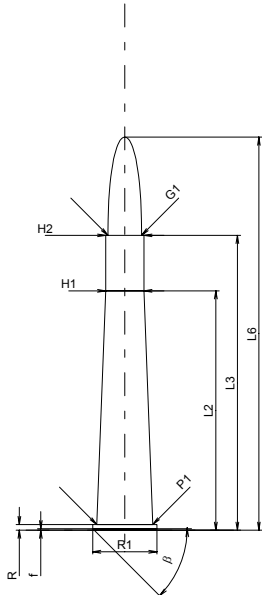
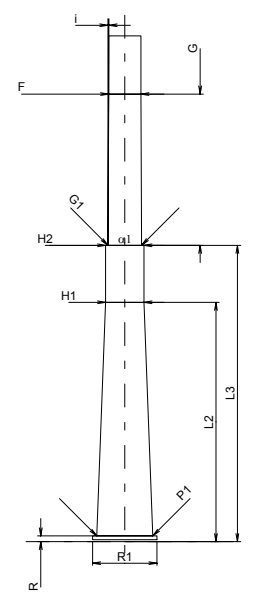
Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.	6,5 x 50 R	TAB.	II
		Date	92-02-27
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 41.97 L2 * = 43.23 L3 1) = 49.50 L4 = L5 = L6 = 68.00 Case Head R 1) = 1.40 -0.25 R1 = 10.90 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 9.59 P2 * = 9.40 Junction Cone α = 80°08'44" S = 47.56 r1 min = r2 = Collar H1 * = 7.28 H2 1) = 7.27 Projectile G1 1) = 6.70 G2 = F = L3+G 1) = 55.50 Pressures (Energies) Method Transducer Pmax = 3650 bar PK = 4198 bar PE = 4563 bar M = 25.00 EE = 2500 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 41.98 L2 * = 43.24 L3 1) = 49.80 Breech R 1) = 1.40 R1 = 10.93 R2 = R3 = r = Powder Chamber E = 1.40 P1 1) = 9.62 P2 * = 9.43 Junction Cone α = 80°08'45" S = 47.58 r1 max = r2 = Collar H1 * = 7.31 H2 1) = 7.30 Commencement of Rifling G1 1)* = 6.72 G 1)* = 6.00 α1 = 90° h = 0.29 s * = 0.55 i 1) = 1°25'08" w = Barrel F 1)* = 6.45 Z 1) = 6.70 Grooves b = 3.60 N = 4 u = 228.00 Q = 34.58 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.	6,5 x 51 R (Arisaka) Country of Origin: JP	TAB.	II
		Date	84-06-14
		Revision	02-05-15

C.I.P.	6,5 x 52 R Country of Origin: DE	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 35.00 L2 * = 40.00 L3 ¹⁾ = 52.00 L4 = L5 = L6 = 64.50 Case Head R ¹⁾ = 1.60 -0.25 R1 = 12.60 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 10.60 P2 * = 9.20 Junction Cone α = 22°50'24" S = 57.77 r1 min = 0.50 r2 = 0.50 Collar H1 * = 7.18 H2 ¹⁾ = 7.18 Projectile G1 ¹⁾ = 6.58 G2 = F = L3+G ¹⁾ = 68.00 Pressures (Energies) Method Transducer Pmax = 2450 bar PK = 2818 bar PE = 3060 bar M = 25.00 EE = 1810 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 * = 35.00 L2 * = 40.00 L3 ¹⁾ = 52.30 Breech R ¹⁾ = 1.60 R1 = 12.65 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 10.63 P2 * = 9.23 Junction Cone α = 22°50'24" S = 57.85 r1 max = 0.50 r2 = 0.50 Collar H1 * = 7.21 H2 ¹⁾ = 7.20 Commencement of Rifling G1 ¹⁾ * = 6.62 G ¹⁾ * = 16.00 α1 = 180° h = s = i ¹⁾ = 0°34'22" w = Barrel F ¹⁾ * = 6.30 Z ¹⁾ = 6.55 Grooves b = 3.50 N = 4 u = 260.00 Q = 33.02 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.	6,5 x 58 R Country of Origin: DE	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = L2 * = 47.50 L3 1) = 58.50 L4 = L5 = L6 = 78.00 Case Head R 1) = 1.15 -0.25 R1 = 12.75 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 11.10 P2 = Junction Cone alpha = S = r1 min = r2 = Collar H1 * = 7.57 H2 1) = 7.57 Projectile G1 1) = 6.64 G2 = F = L3+G 1) = 88.50 Pressures (Energies) Method Transducer Pmax = 2800 bar PK = 3220 bar PE = 3500 bar M = 25.00 EE = 2300 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	CHAMBER MINI Lengths L1 = L2 * = 47.50 L3 1) = 58.80 Breech R 1) = 1.15 R1 = 12.80 R2 = R3 = r = Powder Chamber E = P1 1) = 11.13 P2 = Junction Cone alpha = S = r1 max = r2 = Collar H1 * = 7.60 H2 1) = 7.59 Commencement of Rifling G1 1)* = 6.70 G 1)* = 30.00 alpha l = 180° h = s = i 1) = 0°17'11" w = Barrel F 1)* = 6.40 Z 1) = 6.64 Grooves b = 3.50 N = 4 u = 200.00 Q = 33.94 mm²	
			
Scale 1:1.5		Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

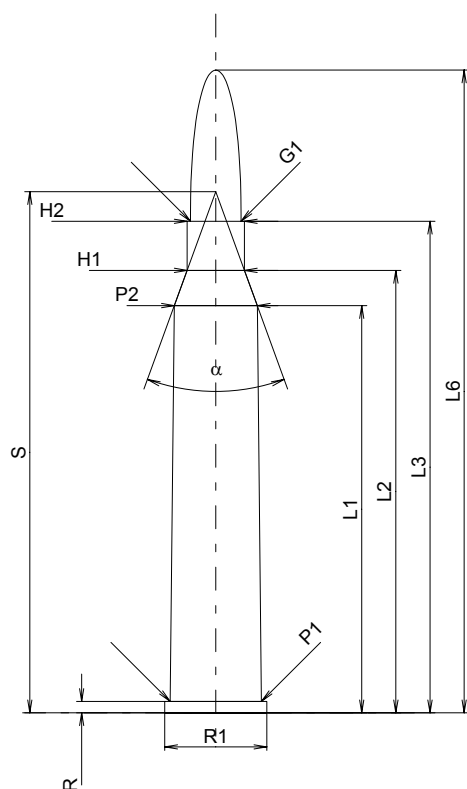
C.I.P.**6,5 x 65 R RWS**

Country of Origin: DE

TAB. II

Date 90-04-05

Revision 02-05-15

**CARTRIDGE MAXI****Lengths**

L1 *	=	53.85
L2 *	=	58.52
L3 ¹⁾	=	65.00
L4	=	
L5	=	
L6	=	85.00

Case Head

R ¹⁾	=	1.50	-0.25
R1	=	13.50	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	12.08
P2 *	=	10.97

Junction Cone

α	=	40°
S	=	68.92
r1 min	=	
r2	=	

Collar

H1 *	=	7.57
H2 ¹⁾	=	7.57

Projectile

G1 ¹⁾	=	6.70
G2	=	
F	=	
L3+G ¹⁾	=	74.96

Pressures (Energies)**Method Transducer**

Pmax	=	3800 bar
PK	=	4170 bar
PE	=	4750 bar
M	=	25.00
EE	=	3675 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI**Lengths**

L1 *	=	53.86
L2 *	=	58.49
L3 ¹⁾	=	65.30

Breech

R ¹⁾	=	1.50
R1	=	13.55
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	12.11
P2 *	=	11.00

Junction Cone

α	=	40°
S	=	68.97
r1 max	=	
r2	=	

Collar

H1 *	=	7.63
H2 ¹⁾	=	7.60

Commencement of Rifling

G1 ¹⁾ *	=	6.71
G ¹⁾ *	=	9.96
$\alpha 1$	=	90°
h	=	0.45
s *	=	5.00
i ¹⁾	=	1°30'
w	=	

Barrel

F ¹⁾ *	=	6.45
Z ¹⁾	=	6.70

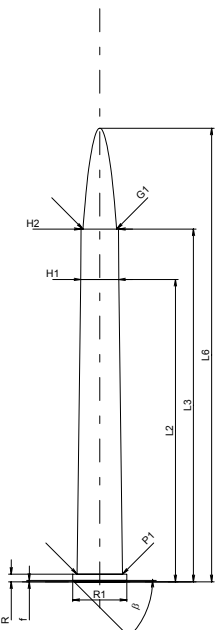
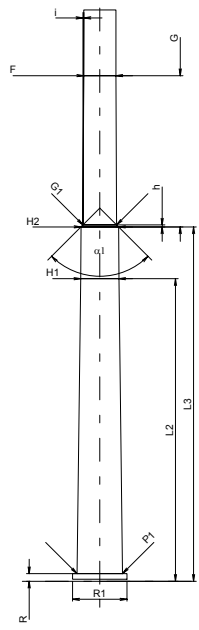
Grooves

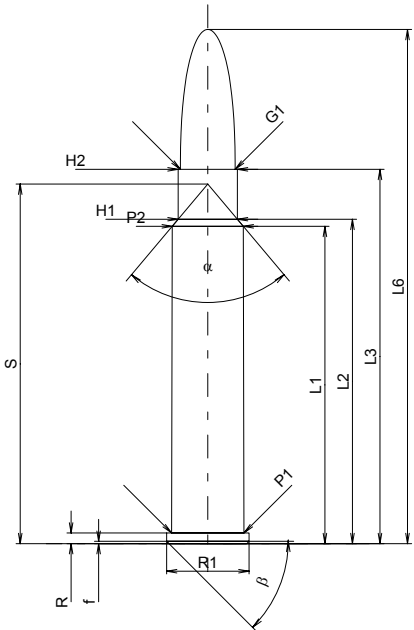
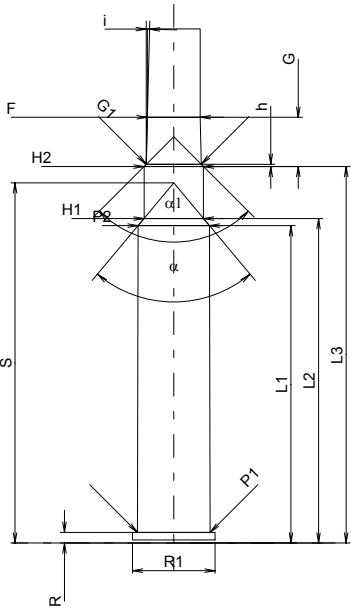
b	=	3.50
N	=	4
u	=	200.00
Q	=	34.52 mm ²

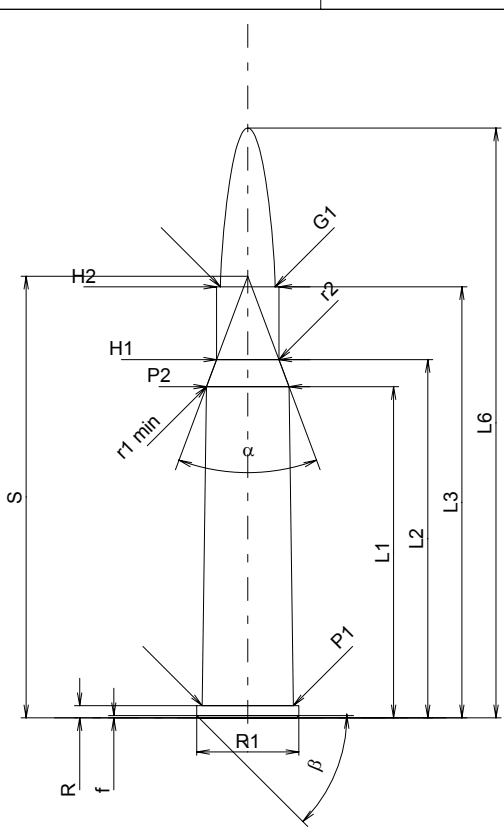
Scale 1:1

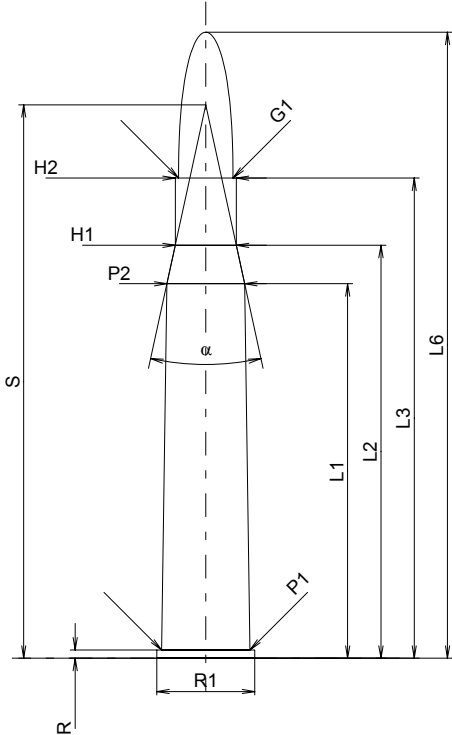
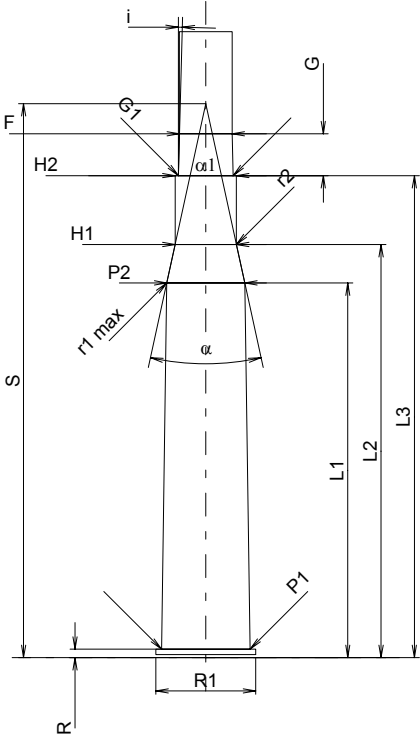
Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

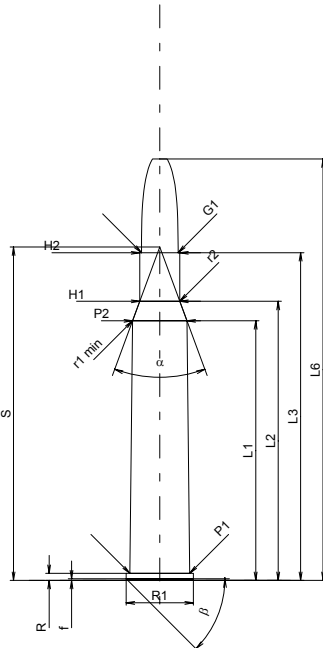
Notes: 1) Check for safety reasons
* Basic dimensions

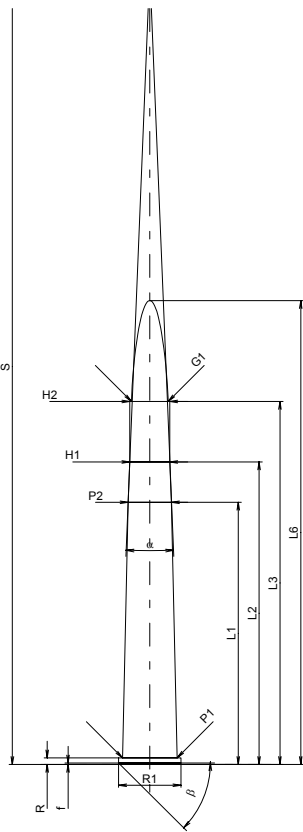
C.I.P.	6,5 x 70 R Country of Origin: DE/AT	TAB. II
		Date 86-04-11
		Revision 02-05-15
	CARTRIDGE MAXI Lengths L1 = L2 * = 60.00 L3 ¹⁾ = 70.00 L4 = L5 = L6 = 90.00 Case Head R ¹⁾ = 1.52 -0.25 R1 = 10.70 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 9.00 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 * = 7.52 H2 ¹⁾ = 7.42 Projectile G1 ¹⁾ = 6.64 G2 = F = L3+G ¹⁾ = 100.00 Pressures (Energies) Method Transducer Pmax = 2800 bar PK = 3220 bar PE = 3500 bar M = 25.00 EE = 1730 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	CHAMBER MINI Lengths L1 = L2 * = 60.03 L3 ¹⁾ = 70.30 Breech R ¹⁾ = 1.52 R1 = 10.75 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.03 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 * = 7.57 H2 ¹⁾ = 7.46 Commencement of Rifling G1 ¹⁾ * = 6.70 G ¹⁾ * = 30.00 α1 = 90° h * = 0.38 s = i ¹⁾ = 0°17'24" w = Barrel F ¹⁾ * = 6.40 Z ¹⁾ = 6.64 Grooves b = 3.50 N = 4 u = 200.00 Q = 33.94 mm ²
	Scale 1:1.5 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	
Notes: 1) Check for safety reasons * Basic dimensions		

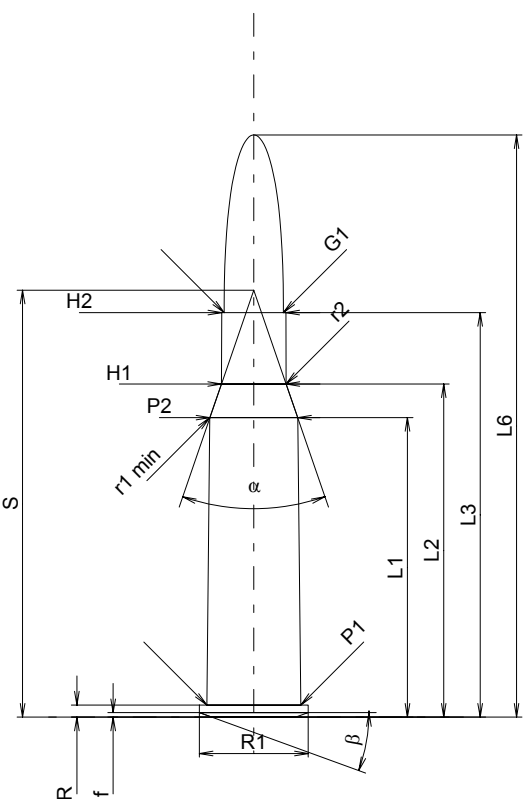
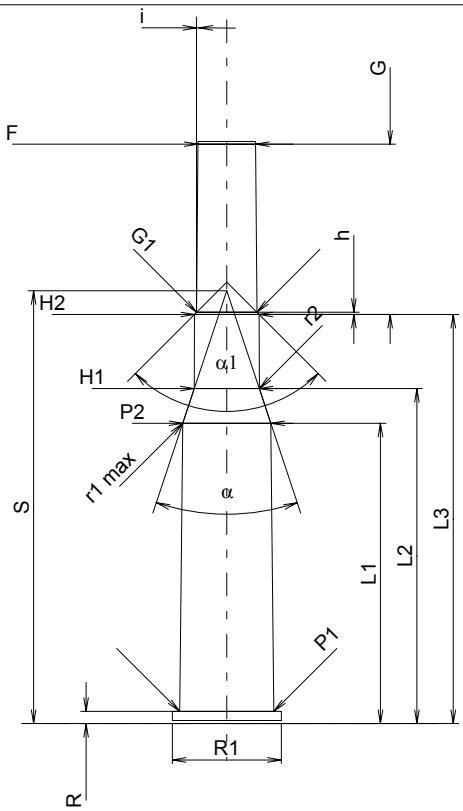
C.I.P.	7 x 50 R Country of Origin: DE	TAB.	II
		Date	92-02-27
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 41.97 L2 * = 42.90 L3 1) = 49.50 L4 = L5 = L6 = 68.00 Case Head R 1) = 1.40 -0.25 R1 = 10.90 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 9.59 P2 * = 9.40 Junction Cone alpha = 80°20'05" S = 47.54 r1 min = r2 = Collar H1 * = 7.83 H2 1) = 7.82 Projectile G1 1) = 7.25 G2 = F = L3+G 1) = 56.00 Pressures (Energies) Method Transducer Pmax = 3650 bar PK = 4198 bar PE = 4560 bar M = 25.00 EE = 2940 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	CHAMBER MINI Lengths L1 * = 41.98 L2 * = 42.92 L3 1) = 49.80 Breech R 1) = 1.40 R1 = 10.93 R2 = R3 = r = Powder Chamber E = P1 1) = 9.62 P2 * = 9.43 Junction Cone alpha = 79°43'51" S = 47.63 r1 max = r2 = Collar H1 * = 7.86 H2 1) = 7.85 Commencement of Rifling G1 1)* = 7.27 G 1)* = 6.50 alpha l = 90° h * = 0.29 s = i 1) = 1°20'15" w = Barrel F 1)* = 6.98 Z 1) = 7.24 Grooves b = 4.10 N = 4 u = 228.00 Q = 40.54 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		

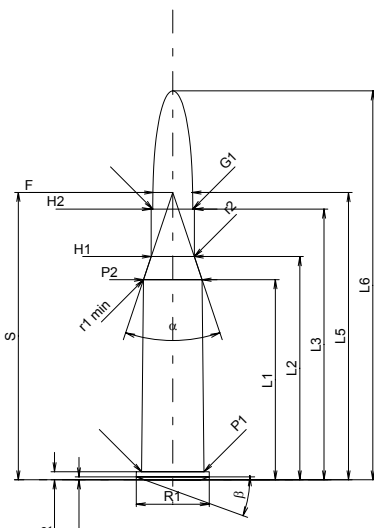
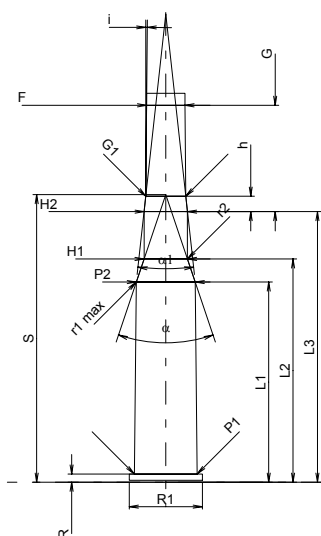
C.I.P.	7 x 57 R	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 43.80 L2 * = 47.37 L3 ¹⁾ = 57.00 L4 = L5 = L6 = 78.00 Case Head R ¹⁾ = 1.60 -0.25 R1 = 13.50 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 12.05 P2 * = 10.92 Junction Cone α = 41°00'24" S = 58.40 r1 min = 0.50 r2 = 0.50 Collar H1 * = 8.25 H2 ¹⁾ = 8.25 Projectile G1 ¹⁾ = 7.25 G2 = F = L3+G ¹⁾ = 76.69 Pressures (Energies) Method Transducer Pmax = 3400 bar PK = 3910 bar PE = 4250 bar M = 25.00 EE = 3390 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 * = 43.80 L2 * = 47.37 L3 ¹⁾ = 57.30 Breech R ¹⁾ = 1.60 R1 = 13.55 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.08 P2 * = 10.95 Junction Cone α = 41°00'25" S = 58.44 r1 max = 0.50 r2 = 0.50 Collar H1 * = 8.28 H2 ¹⁾ = 8.27 Commencement of Rifling G1 ¹⁾ * = 7.30 G ¹⁾ * = 19.69 α1 = 90° h * = 0.49 s = i ¹⁾ = 0°28'38" w = Barrel F ¹⁾ * = 6.98 Z ¹⁾ = 7.24 Grooves b = 3.70 N = 4 u = 228.00 Q = 40.29 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.			

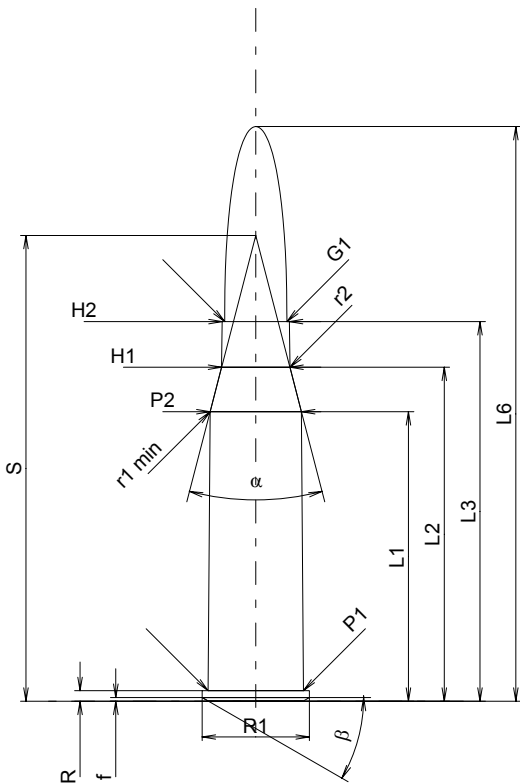
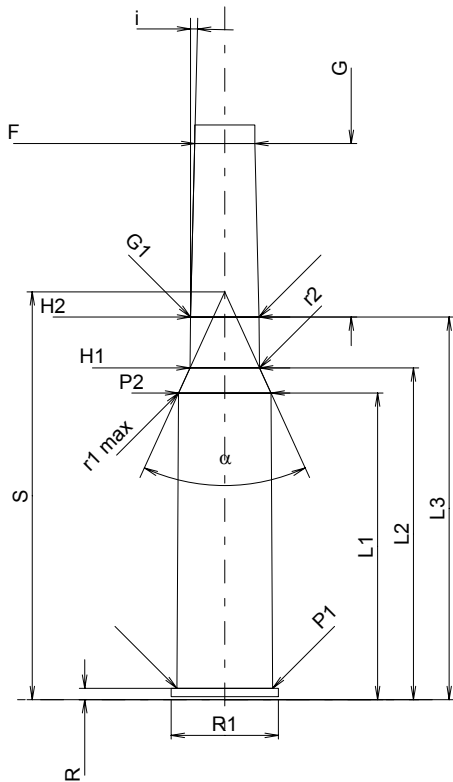
C.I.P.	7mm Mag. Fl. H.&H. Country of Origin: GB	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 49.53 L2 * = 54.61 L3 ¹⁾ = 63.50 L4 = L5 = L6 = 82.80 Case Head R ¹⁾ = 1.09 -0.25 R1 = 12.95 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 11.68 P2 * = 10.29 Junction Cone α = 24°31'59" S = 73.19 r1 min = r2 = Collar H1 * = 8.08 H2 ¹⁾ = 8.08 Projectile G1 ¹⁾ = 7.21 G2 = F = L3+G ¹⁾ = 69.04 Pressures (Energies) Method Transducer Pmax = 3300 bar PK = 3795 bar PE = 4125 bar M = 25.00 EE = 3150 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 * = 49.56 L2 * = 54.64 L3 ¹⁾ = 63.75 Breech R ¹⁾ = 1.12 R1 = 13.21 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.71 P2 * = 10.31 Junction Cone α = 24°31'58" S = 73.27 r1 max = 0.50 r2 = 0.50 Collar H1 * = 8.10 H2 ¹⁾ = 8.10 Commencement of Rifling G1 ¹⁾ * = 7.25 G ¹⁾ * = 5.54 α1 = 180° h = s = i ¹⁾ = 1°29'57" w = Barrel F ¹⁾ * = 6.96 Z ¹⁾ = 7.20 Grooves b = N = u = 220.00 Q = 38.05 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.	7 x 65 R	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 51.50 L2 * = 55.36 L3 ¹⁾ = 65.00 L4 = L5 = L6 = 83.60 Case Head R ¹⁾ = 1.40 -0.25 R1 = 13.32 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 11.89 P2 * = 10.80 Junction Cone α = 40°31'32" S = 66.13 r1 min = 0.50 r2 = 0.50 Collar H1 * = 7.95 H2 ¹⁾ = 7.95 Projectile G1 ¹⁾ = 7.25 G2 = F = L3+G ¹⁾ = 98.00 Pressures (Energies) Method Transducer Pmax = 3800 bar PK = 4370 bar PE = 4750 bar M = 25.00 EE = 4170 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 * = 51.50 L2 * = 55.36 L3 ¹⁾ = 65.30 Breech R ¹⁾ = 1.40 R1 = 13.37 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.92 P2 * = 10.83 Junction Cone α = 40°31'33" S = 66.17 r1 max = 0.50 r2 = 0.50 Collar H1 * = 7.98 H2 ¹⁾ = 7.97 Commencement of Rifling G1 ¹⁾ * = 7.31 G ¹⁾ * = 33.00 α1 = 180° h = s = i ¹⁾ = 0°17'11" w = Barrel F ¹⁾ * = 6.98 Z ¹⁾ = 7.24 Grooves b = 3.70 N = 4 u = 220.00 Q = 40.29 mm ²	
Scale 1:1.5			
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 x 72 R	TAB. II	
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 52.00 L2 * = 60.00 L3 1) = 72.00 L4 = L5 = L6 = 92.00 Case Head R 1) = 1.30 -0.25 R1 = 12.35 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 10.85 P2 * = 8.60 Junction Cone alpha = 4°39'10" S = 157.85 r1 min = r2 = Collar H1 * = 7.95 H2 1) = 7.92 Projectile G1 1) = 7.25 G2 = F = L3+G 1) = 91.20 Pressures (Energies) Method Transducer Pmax = 2800 bar PK = 3220 bar PE = 3500 bar M = 25.00 EE = 2890 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 52.00 L2 * = 60.00 L3 1) = 72.30 Breech R 1) = 1.30 R1 = 12.40 R2 = R3 = r = Powder Chamber E = P1 1) = 10.88 P2 * = 8.63 Junction Cone alpha = 4°09'07" S = 171.03 r1 max = r2 = Collar H1 * = 8.05 H2 1) = 8.04 Commencement of Rifling G1 1)* = 7.29 G 1)* = 19.20 alpha1 = 90° h * = 0.38 s 1) = i = 0°28'18" w = Barrel F 1)* = 6.98 Z 1) = 7.24 Grooves b = 3.90 N = 4 u = 220.00 Q = 40.41 mm²	
Scale 1:1.5			
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 53 R	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: FI			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 39.61 L2 * = 44.05 L3 ¹⁾ = 53.50 L4 = L5 = L6 = 77.00 Case Head R ¹⁾ = 1.60 -0.25 R1 = 14.40 R3 = E = E1 = e min = δ = f = 0.60 β = 20° Powder Chamber P1 = 12.42 P2 * = 11.61 Junction Cone α = 38°01'38" S = 56.46 r1 min = 0.50 r2 = 3.00 Collar H1 * = 8.55 H2 ¹⁾ = 8.50 Projectile G1 ¹⁾ = 7.85 G2 = F = L3+G ¹⁾ = 76.02 Pressures (Energies) Method Transducer Pmax = 3900 bar PK = 4485 bar PE = 4875 bar M = 25.00 EE = 3960 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	Lengths L1 * = 39.70 L2 * = 44.30 L3 ¹⁾ = 54.10 Breech R ¹⁾ = 1.60 R1 = 14.43 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.45 P2 * = 11.67 Junction Cone α = 36°47'42" S = 57.24 r1 max = 0.70 r2 = 3.00 Collar H1 * = 8.61 H2 ¹⁾ = 8.55 Commencement of Rifling G1 ¹⁾ * = 7.98 G ¹⁾ * = 22.52 α1 = 90° h * = 0.29 s = i ¹⁾ = 0°30'09" w = Barrel F ¹⁾ * = 7.59 Z ¹⁾ = 7.83 Grooves b = 4.20 N = 4 u = 300.00 Q = 47.38 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.	7,62 x 54 R Country of Origin: SU	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 39.70 L2 * = 44.30 L3 1) = 53.72 L4 = L5 = 57.00 L6 = 77.16 Case Head R 1) = 1.60 -0.25 R1 = 14.48 R3 = E = E1 = e min = δ = f = 0.60 β = 20° Powder Chamber P1 = 12.37 P2 * = 11.61 Junction Cone α = 37°01'09" S = 57.04 r1 min = 0.50 r2 = 0.50 Collar H1 * = 8.53 H2 1) = 8.53 Projectile G1 1) = 7.92 G2 = 7.87 F = L3+G 1) = 74.80 Pressures (Energies) Method Transducer Pmax = 3900 bar PK = 4485 bar PE = 4875 bar M = 25.00 EE = 3960 Joule Miscellaneous Dimensions Fe 1) = 0.10 delta L =	CHAMBER MINI Lengths L1 * = 39.73 L2 * = 44.30 L3 1) = 53.70 Breech R 1) = 1.63 R1 = 14.50 R2 = R3 = r = Powder Chamber E = P1 1) = 12.48 P2 * = 11.68 Junction Cone α = 37°14'45" S = 57.06 r1 max = 0.50 r2 = 0.50 Collar H1 * = 8.61 H2 1) = 8.60 Commencement of Rifling G1 1)* = 7.93 G 1)* = 21.08 α1 = 12°31'48" h * = 3.05 s = i 1) = 0°29'33" w = Barrel F 1)* = 7.62 Z 1) = 7.92 Grooves b = 3.81 N = 4 u = 240.00 Q = 47.99 mm²	
		Notes: 1) Check for safety reasons * Basic dimensions	
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	8 x 50 R	TAB.	II
		Date	89-10-06
		Revision	02-05-15
Country of Origin: AT			
	CARTRIDGE MAXI		CHAMBER MINI
	Lengths L1 * = 38.29 L2 * = 44.17 L3 ¹⁾ = 50.20 L4 = L5 = L6 = 76.00 Case Head R ¹⁾ = 1.40 -0.25 R1 = 14.20 R3 = E = E1 = e min = delta = f = 0.50 beta = 30° Powder Chamber P1 = 12.60 P2 * = 12.09 Junction Cone alpha = 29°04'45" S = 61.60 r1 min = 10.00 r2 = 2.00 Collar H1 * = 9.04 H2 ¹⁾ = 8.90 Projectile G1 ¹⁾ = 8.22 G2 = F = L3+G ¹⁾ = 73.15 Pressures (Energies) Method Transducer Pmax = 3550 bar PK = 4083 bar PE = 4440 bar M = 25.00 EE = 3000 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		Lengths L1 * = 40.55 L2 * = 43.87 L3 ¹⁾ = 50.60 Breech R ¹⁾ = 1.50 R1 = 14.20 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.64 P2 * = 12.22 Junction Cone alpha = 49°03'25" S = 53.94 r1 max = 10.04 r2 = 2.00 Collar H1 * = 9.19 H2 ¹⁾ = 9.04 Commencement of Rifling G1 ¹⁾ * = 9.04 G ¹⁾ * = 22.95 alpha1 = 180° h = s = i ¹⁾ = 1°21'37" w = Barrel F ¹⁾ * = 7.95 Z ¹⁾ = 8.35 Grooves b = 3.50 N = 4 u = 250.00 Q = 52.53 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.

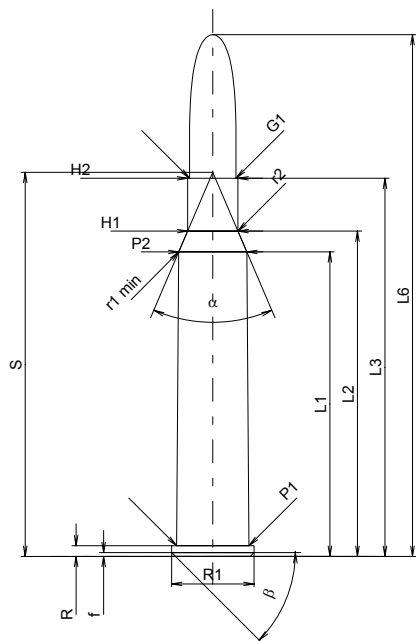
8 x 56 RM 30

TAB. II

Date 84-06-14

Revision 02-05-15

Country of Origin: DE



CARTRIDGE MAXI

Lengths

L1 *	=	40.26
L2 *	=	43.01
L3 ¹⁾	=	50.00
L4	=	
L5	=	
L6	=	69.00

Case Head

R ¹⁾	=	1.40	-0.25
R1	=	10.90	
R3	=		
E	=		
E1	=		
e min	=		
delta	=		
f	=	0.50	
beta	=	45°	

Powder Chamber

P1	=	9.59
P2 *	=	9.00

Junction Cone

alpha	=	46°16'17"
S	=	50.79
r1 min	=	0.50
r2	=	0.50

Collar

H1 *	=	6.65
H2 ¹⁾	=	6.65

Projectile

G1 ¹⁾	=	6.17
G2	=	
F	=	
L3+G ¹⁾	=	56.00

Pressures (Energies)

Method Transducer

Pmax	=	3400 bar
PK	=	3910 bar
PE	=	4250 bar
M	=	25.00
EE	=	2995 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	40.28
L2 *	=	43.02
L3 ¹⁾	=	50.30

Breech

R ¹⁾	=	1.40
R1	=	10.93
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	9.62
P2 *	=	9.03

Junction Cone

alpha	=	46°04'08"
S	=	50.90
r1 max	=	0.50
r2	=	0.50

Collar

H1 *	=	6.70
H2 ¹⁾	=	6.70

Commencement of Rifling

G1 ¹⁾ *	=	6.19
G ¹⁾ *	=	6.00
alpha1	=	180°
h	=	
s *	=	3.00
i ¹⁾	=	1°37'23"
w	=	

Barrel

F ¹⁾ *	=	6.02
Z ¹⁾	=	6.17

Grooves

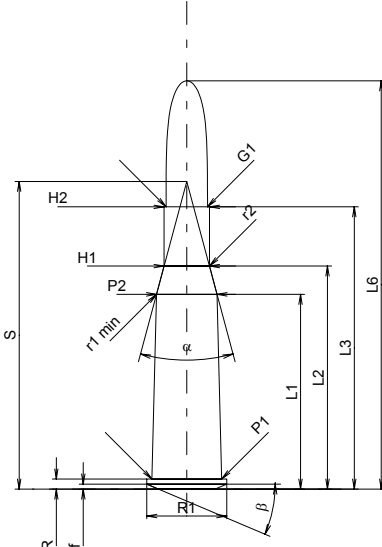
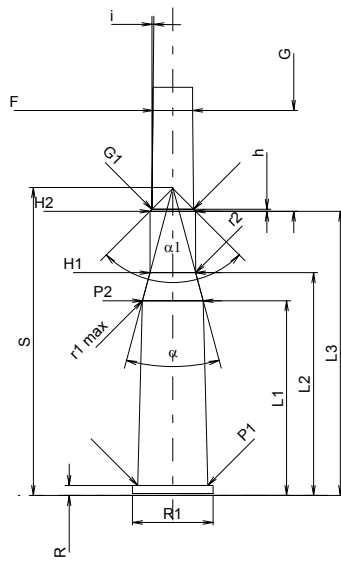
b	=	1.73
N	=	6
u	=	254.00
Q	=	29.25 mm²

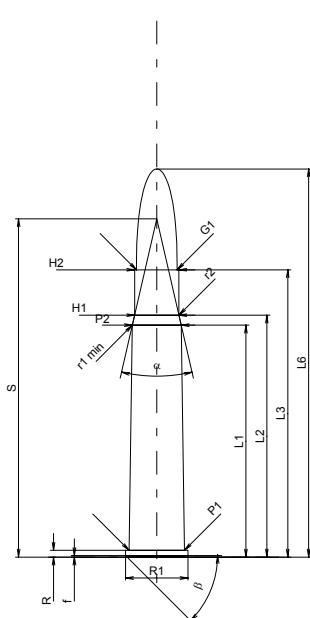
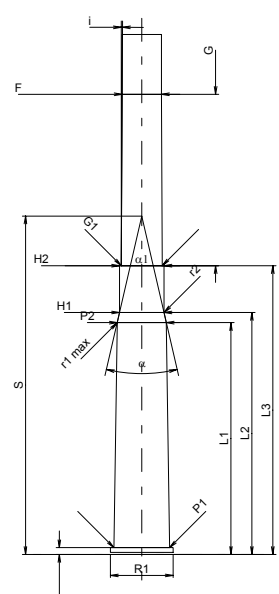
Scale 1:1

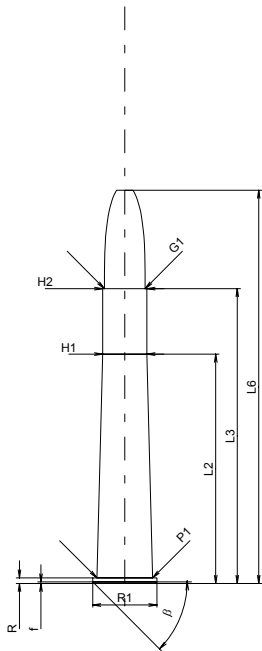
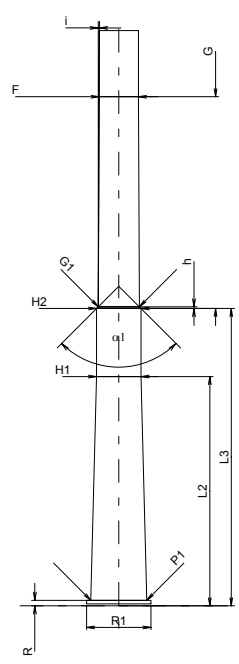
Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

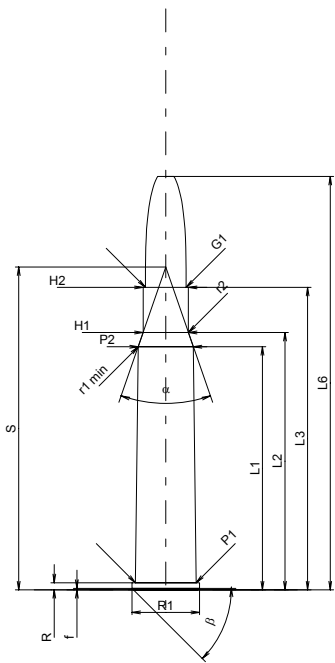
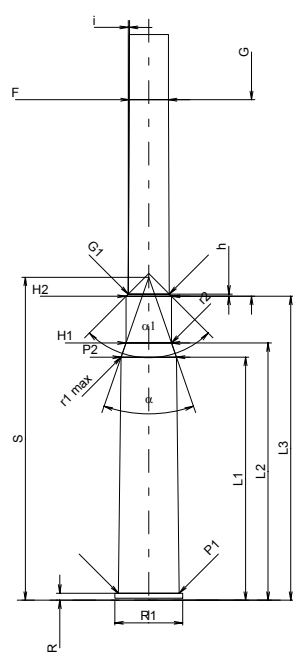
Notes: 1) Check for safety reasons
* Basic dimensions

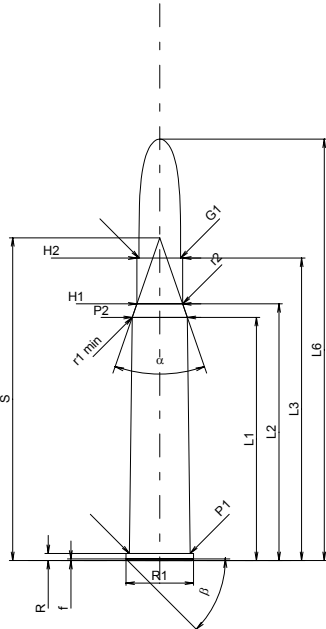
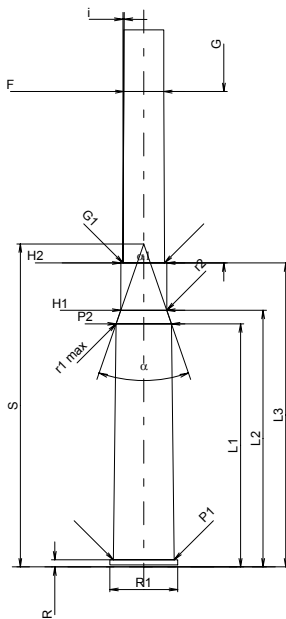
C.I.P.	8 x 56 RM 30S Country of Origin: AT	TAB.	II
		Date	88-01-30
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 37.03 L2 * = 49.53 L3 ¹⁾ = 55.75 L4 = L5 = L6 = 76.50 Case Head R ¹⁾ = 1.50 -0.25 R1 = 14.20 R3 = E = E1 = e min = delta = f = 0.50 beta = 30° Powder Chamber P1 = 12.55 P2 * = 12.15 Junction Cone alpha = 13°54'41" S = 86.82 r1 min = 10.00 r2 = 15.00 Collar H1 * = 9.10 H2 ¹⁾ = 9.10 Projectile G1 ¹⁾ = 8.40 G2 = F = L3+G ¹⁾ = 74.50 Pressures (Energies) Method Transducer Pmax = 3550 bar PK = 4083 bar PE = 4440 bar M = 25.00 EE = 3933 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 * = 37.08 L2 * = 49.53 L3 ¹⁾ = 55.80 Breech R ¹⁾ = 1.50 R1 = 14.20 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.60 P2 * = 12.21 Junction Cone alpha = 13°33'28" S = 88.43 r1 max = 10.00 r2 = 10.00 Collar H1 * = 9.25 H2 ¹⁾ = 9.20 Commencement of Rifling G1 ¹⁾ * = 8.70 G ¹⁾ * = 18.75 alpha1 = 28°04' h * = 1.00 s = i ¹⁾ = 1°12'36" w = Barrel F ¹⁾ * = 7.95 Z ¹⁾ = 8.35 Grooves b = 3.50 N = 4 u = 250.00 Q = 52.53 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		

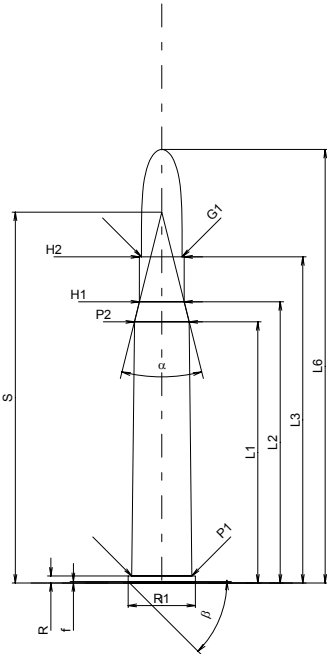
C.I.P.	8 x 56 RM Port. Krop.	TAB.	II
		Date	84-06-14
Country of Origin: PT		Revision	02-05-15
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 38.65 L2 = 44.25 L3 ¹⁾ = 56.00 L4 = L5 = L6 = 81.00 Case Head R ¹⁾ = 2.00 -0.25 R1 = 15.90 R3 = E = E1 = e min = delta = f = 1.00 beta = 23° Powder Chamber P1 = 13.85 P2 * = 12.00 Junction Cone alpha * = 30° S * = 61.04 r1 min = 10.00 r2 = 15.00 Collar H1 * = 9.00 H2 ¹⁾ = 9.00 Projectile G1 ¹⁾ = 8.20 G2 = F = L3+G ¹⁾ = 76.00 Pressures (Energies) Method Transducer Pmax = 3400 bar PK = 3910 bar PE = 4250 bar M = 25.00 EE = 2520 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = 38.65 L2 = 44.21 L3 ¹⁾ = 56.40 Breech R ¹⁾ = 2.00 R1 = 16.00 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 13.88 P2 * = 12.03 Junction Cone alpha * = 30° S * = 61.10 r1 max = 10.00 r2 = 15.00 Collar H1 * = 9.05 H2 ¹⁾ = 9.03 Commencement of Rifling G1 ¹⁾ * = 8.25 G ¹⁾ = 20.00 alpha l * = 90° h = 0.39 s = i ¹⁾ * = 0°35'03" w = Barrel F ¹⁾ * = 7.85 Z ¹⁾ = 8.20 Grooves b = 4.40 N = 4 u = 250.00 Q = 51.66 mm²	
	Notes: 1) Check for safety reasons * Basic dimensions		
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

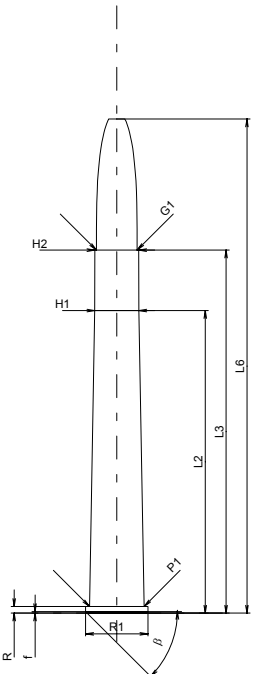
C.I.P.	8 x 57 R 360	TAB. II	
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 46.00 L2 * = 48.00 L3 1) = 57.00 L4 = L5 = L6 = 77.00 Case Head R 1) = 1.35 -0.25 R1 = 12.40 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 11.00 P2 * = 9.70 Junction Cone alpha = 25°54'20" S = 67.09 r1 min = 0.50 r2 = 0.50 Collar H1 * = 8.78 H2 1) = 8.78 Projectile G1 1) = 8.09 G2 = F = L3+G 1) = 91.00 Pressures (Energies) Method Transducer Pmax = 2450 bar PK = 2818 bar PE = 3060 bar M = 25.00 EE = 2170 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 46.00 L2 * = 48.00 L3 1) = 57.30 Breech R 1) = 1.35 R1 = 12.45 R2 = R3 = r = Powder Chamber E = P1 1) = 11.03 P2 * = 9.73 Junction Cone alpha = 25°54'21" S = 67.15 r1 max = 0.50 r2 = 0.50 Collar H1 * = 8.81 H2 1) = 8.80 Commencement of Rifling G1 1)* = 8.14 G 1)* = 34.00 alpha1 = 180° h = s = i 1) = 0°17'11" w = Barrel F 1)* = 7.80 Z 1) = 8.07 Grooves b = 4.40 N = 4 u = 240.00 Q = 50.30 mm²	
	Scale 1:1.5		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

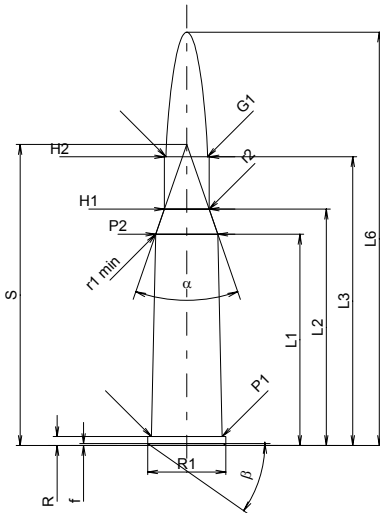
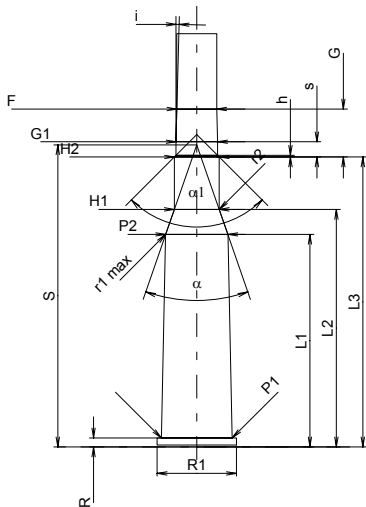
C.I.P.	8 x 58 R	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 * = 45.50 L3 ¹⁾ = 58.50 L4 = L5 = L6 = 78.00 Case Head R ¹⁾ = 1.10 -0.25 R1 = 12.75 R3 = E = E1 = e min = δ = 45° f = 0.30 β = 45° Powder Chamber P1 = 11.05 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 * = 8.78 H2 ¹⁾ = 8.78 Projectile G1 ¹⁾ = 8.09 G2 = F = L3+G ¹⁾ = 100.50 Pressures (Energies) Method Transducer Pmax = 2200 bar PK = 2530 bar PE = 2750 bar M = 25.00 EE = 2270 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 * = 45.50 L3 ¹⁾ = 59.00 Breech R ¹⁾ = 1.10 R1 = 12.80 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.08 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 * = 8.82 H2 ¹⁾ = 8.81 Commencement of Rifling G1 ¹⁾ * = 8.15 G ¹⁾ * = 42.00 α1 = 90° h * = 0.33 s = i ¹⁾ = 0°14'26" w = Barrel F ¹⁾ * = 7.80 Z ¹⁾ = 8.07 Grooves b = 4.40 N = 4 u = 240.00 Q = 50.30 mm ²	
	Scale 1:1.5		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

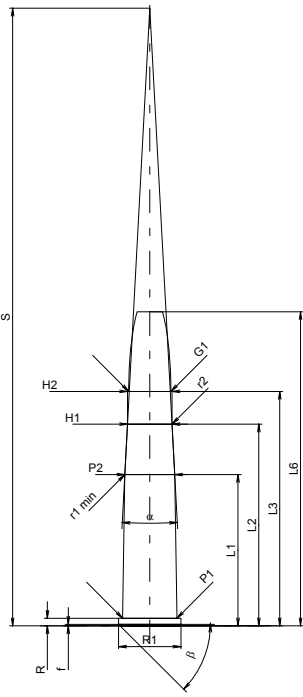
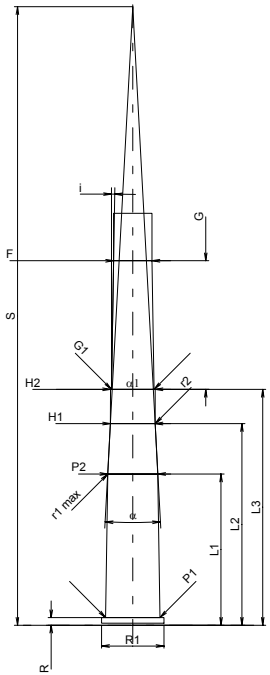
C.I.P.	8 x 60 R	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 48.22 L2 * = 51.05 L3 ¹⁾ = 60.00 L4 = L5 = L6 = 82.00 Case Head R ¹⁾ = 1.40 -0.25 R1 = 13.40 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 12.03 P2 * = 10.95 Junction Cone α = 38°12'02" S = 64.03 r1 min = 0.50 r2 = 0.50 Collar H1 * = 8.99 H2 ¹⁾ = 8.99 Projectile G1 ¹⁾ = 8.09 G2 = F = L3+G ¹⁾ = 99.00 Pressures (Energies) Method Transducer Pmax = 3400 bar PK = 3910 bar PE = 4250 bar M = 25.00 EE = 3780 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 * = 48.22 L2 * = 51.05 L3 ¹⁾ = 60.30 Breech R ¹⁾ = 1.40 R1 = 13.45 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.06 P2 * = 10.98 Junction Cone α = 38°12'03" S = 64.07 r1 max = 0.50 r2 = 0.50 Collar H1 * = 9.02 H2 ¹⁾ = 9.01 Commencement of Rifling G1 ¹⁾ * = 8.13 G ¹⁾ * = 39.00 α1 = 90° h * = 0.44 s = i ¹⁾ = 0°14'42" w = Barrel F ¹⁾ * = 7.80 Z ¹⁾ = 8.07 Grooves b = 4.40 N = 4 u = 240.00 Q = 50.30 mm ²	
	Scale 1:1.5		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

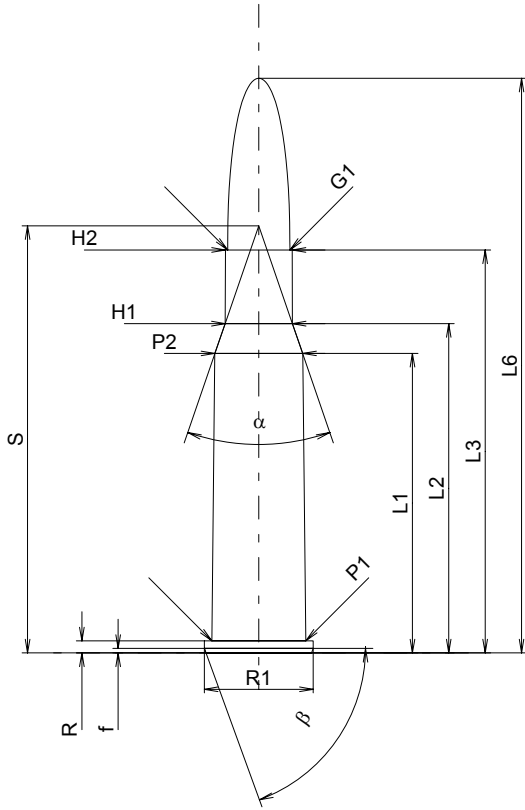
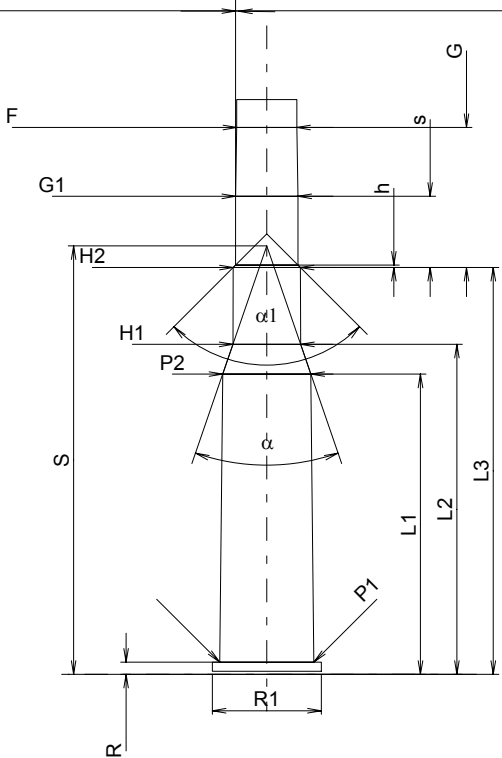
C.I.P.	8 x 60 RS	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 48.22 L2 * = 50.92 L3 1) = 60.00 L4 = L5 = L6 = 83.60 Case Head R 1) = 1.40 -0.25 R1 = 13.40 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 12.03 P2 * = 10.95 Junction Cone alpha = 38°12'06" S = 64.03 r1 min = 0.50 r2 = 0.50 Collar H1 * = 9.08 H2 1) = 9.08 Projectile G1 1) = 8.22 G2 = F = L3+G 1) = 94.00 Pressures (Energies) Method Transducer Pmax = 3400 bar PK = 3910 bar PE = 4250 bar M = 25.00 EE = 4120 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 48.22 L2 * = 50.92 L3 1) = 60.30 Breech R 1) = 1.40 R1 = 13.45 R2 = R3 = r = Powder Chamber E = P1 1) = 12.06 P2 * = 10.98 Junction Cone alpha = 38°12'07" S = 64.07 r1 max = 0.50 r2 = 0.50 Collar H1 * = 9.11 H2 1) = 9.10 Commencement of Rifling G1 1)* = 8.23 G 1)* = 34.00 alpha1 = 180° h = s = i 1) = 0°17'11" w = Barrel F 1)* = 7.89 Z 1) = 8.20 Grooves b = 4.40 N = 4 u = 240.00 Q = 51.78 mm²	
	Scale 1:1.5		
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 x 65 R	TAB. II	
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 51.80 L2 * = 55.79 L3 1) = 64.70 L4 = L5 = L6 = 86.00 Case Head R 1) = 1.40 -0.25 R1 = 13.32 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 11.95 P2 * = 10.85 Junction Cone alpha = 28°00'18" S = 73.55 r1 min = r2 = Collar H1 * = 8.86 H2 1) = 8.86 Projectile G1 1) = 8.09 G2 = F = L3+G 1) = 98.70 Pressures (Energies) Method Transducer Pmax = 3900 bar PK = 4485 bar PE = 4875 bar M = 25.00 EE = 4410 Joule Miscellaneous Dimensions Fe 1) = 0.10 delta L =	Lengths L1 * = 51.80 L2 * = 55.79 L3 1) = 65.00 Breech R 1) = 1.40 R1 = 13.37 R2 = R3 = r = Powder Chamber E = P1 1) = 11.98 P2 * = 10.88 Junction Cone alpha = 28°00'18" S = 73.61 r1 max = r2 = Collar H1 * = 8.89 H2 1) = 8.88 Commencement of Rifling G1 1)* = 8.14 G 1)* = 34.00 alpha l = 90° h * = 0.37 s = i 1) = 0°17'22" w = Barrel F 1)* = 7.80 Z 1) = 8.07 Grooves b = 4.40 N = 4 u = 240.00 Q = 50.30 mm²	
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

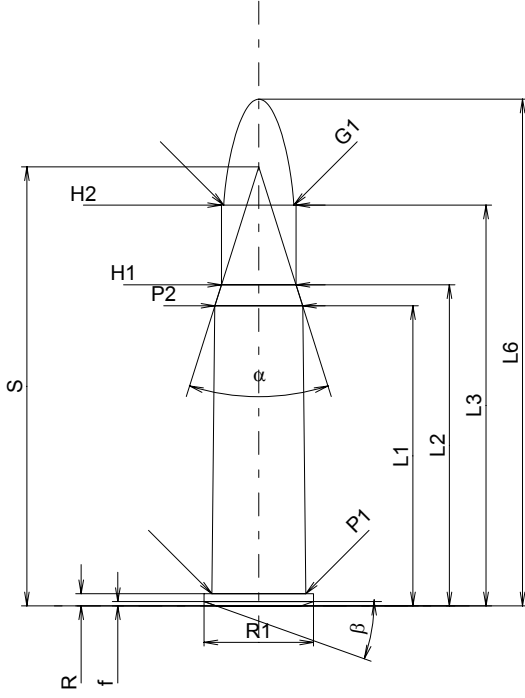
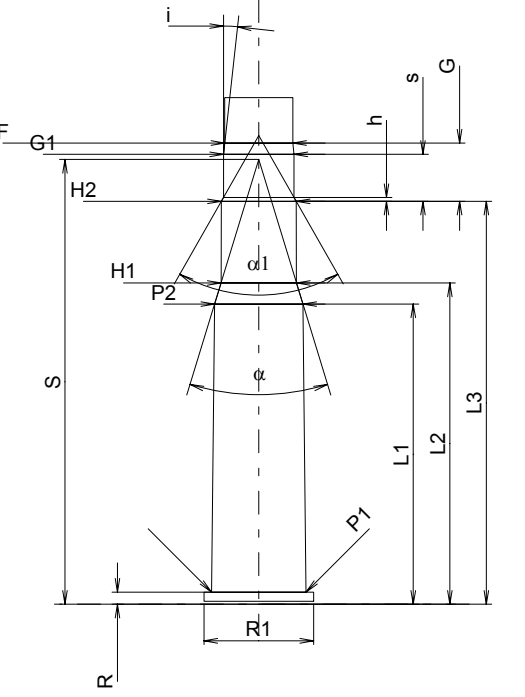
C.I.P.	8 x 72 R	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 * = 60.00 L3 ¹⁾ = 72.00 L4 = L5 = L6 = 98.00 Case Head R ¹⁾ = 1.30 -0.25 R1 = 12.35 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 10.85 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 * = 8.75 H2 ¹⁾ = 8.72 Projectile G1 ¹⁾ = 8.09 G2 = F = L3+G ¹⁾ = 106.00 Pressures (Energies) Method Transducer Pmax = 2800 bar PK = 3220 bar PE = 3500 bar M = 25.00 EE = 2565 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 * = 60.03 L3 ¹⁾ = 72.30 Breech R ¹⁾ = 1.30 R1 = 12.40 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 10.88 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 * = 8.80 H2 ¹⁾ = 8.76 Commencement of Rifling G1 ¹⁾ * = 8.14 G ¹⁾ * = 34.00 α1 = 90° h * = 0.31 s = i ¹⁾ = 0°17'21" w = Barrel F ¹⁾ * = 7.80 Z ¹⁾ = 8.07 Grooves b = 4.40 N = 4 u = 240.00 Q = 50.30 mm ²	
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

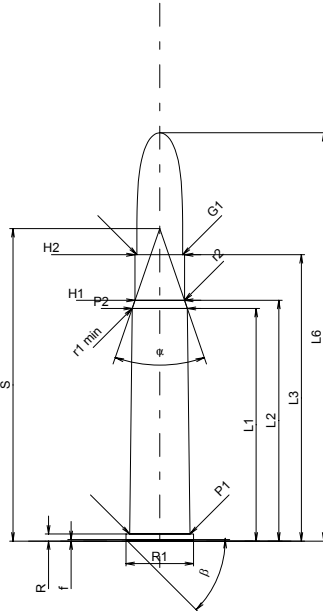
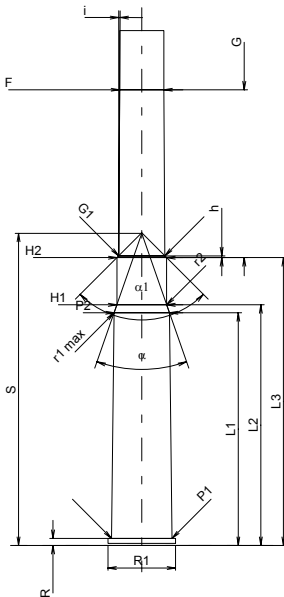
C.I.P.	8 mm - 348 Win. Country of Origin: FR	TAB.	II
		Date	99-03-16
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 41.91 L2 * = 46.88 L3 1) = 57.28 L4 = L5 = L6 = 82.00 Case Head R 1) = 1.78 -0.25 R1 = 15.49 R3 = E = E1 = e min = delta = f = 0.38 beta = 35° Powder Chamber P1 = 14.05 P2 * = 12.32 Junction Cone alpha = 38°10'45" S = 59.71 r1 min = 0.76 r2 = 2.54 Collar H1 * = 8.88 H2 1) = 8.85 Projectile G1 1) = 8.22 G2 = F = L3+G 1) = 66.77 Pressures (Energies) Method Transducer Pmax = 3000 bar PK = 3450 bar PE = 3750 bar M = 25.00 EE = 2600 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	CHAMBER MINI Lengths L1 * = 42.17 L2 * = 47.12 L3 1) = 57.53 Breech R 1) = 1.78 R1 = 15.75 R2 = R3 = r = Powder Chamber E = P1 1) = 14.07 P2 * = 12.34 Junction Cone alpha = 38°19'19" S = 59.93 r1 max = 0.76 r2 = 2.54 Collar H1 * = 8.90 H2 1) = 8.87 Commencement of Rifling G1 1)* = 8.23 G 1)* = 9.49 alpha1 = 90° h = 0.32 s * = 3.00 i 1) = 1°30'02" w = Barrel F 1)* = 7.89 Z 1) = 8.20 Grooves b = 4.05 N = 4 u = 240.00 Q = 51.52 mm²	
		Notes: 1) Check for safety reasons * Basic dimensions	
Scale 1:1.5 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	8,15 x 46 R	TAB. II	
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 30.00 L2 * = 40.00 L3 1) = 46.50 L4 = L5 = L6 = 62.30 Case Head R 1) = 1.50 -0.25 R1 = 12.35 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 10.75 P2 * = 9.90 Junction Cone alpha = 6°07'30" S = 122.52 r1 min = 0.50 r2 = 0.50 Collar H1 * = 8.83 H2 1) = 8.83 Projectile G1 1) = 8.38 G2 = F = L3+G 1) = 72.00 Pressures (Energies) Method Transducer Pmax = 1650 bar PK = 1898 bar PE = 2060 bar M = 25.00 EE = 1785 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 30.00 L2 * = 40.00 L3 1) = 46.80 Breech R 1) = 1.50 R1 = 12.40 R2 = R3 = r = Powder Chamber E = P1 1) = 10.77 P2 * = 9.92 Junction Cone alpha = 6°07'30" S = 122.71 r1 max = 0.50 r2 = 0.50 Collar H1 * = 8.85 H2 1) = 8.84 Commencement of Rifling G1 1)* = 8.45 G 1)* = 25.50 alpha l = 180° h = s = i 1) = 0°57'17" w = Barrel F 1)* = 7.60 Z 1) = 8.03 Grooves b = 3.00 N = 6 u = 360.00 Q = 49.34 mm²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	8,2 x 53 R Country of Origin: FI	TAB.	II
		Date	95-03-09
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 39.61 L2 * = 43.55 L3 ¹⁾ = 53.30 L4 = L5 = L6 = 76.00 Case Head R ¹⁾ = 1.60 -0.25 R1 = 14.40 R3 = E = E1 = e min = δ = f = 0.60 β = 70° Powder Chamber P1 = 12.42 P2 * = 11.61 Junction Cone α = 37°57'24" S = 56.49 r1 min = r2 = Collar H1 * = 8.90 H2 ¹⁾ = 8.82 Projectile G1 ¹⁾ = 8.22 G2 = F = L3+G ¹⁾ = 71.82 Pressures (Energies) Method Transducer Pmax = 3400 bar PK = 3910 bar PE = 4250 bar M = 25.00 EE = 4040 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 * = 39.70 L2 * = 43.64 L3 ¹⁾ = 53.80 Breech R ¹⁾ = 1.60 R1 = 14.43 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.45 P2 * = 11.67 Junction Cone α = 37°57'25" S = 56.67 r1 max = r2 = Collar H1 * = 8.96 H2 ¹⁾ = 8.91 Commencement of Rifling G1 ¹⁾ * = 8.27 G ¹⁾ * = 18.52 α1 = 90° h = 0.32 s * = 9.42 i ¹⁾ = 0°58'32" w = Barrel F ¹⁾ * = 7.96 Z ¹⁾ = 8.20 Grooves b = 3.75 N = 4 u = 254.00 Q = 51.64 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.	8,5 x 63 R Country of Origin: DE	TAB.	II
		Date	92-02-27
		Revision	02-05-15
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 53.39 L2 * = 54.66 L3 ¹⁾ = 63.00 L4 = L5 = L6 = 84.00 Case Head R ¹⁾ = 1.40 -0.25 R1 = 13.32 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 11.89 P2 * = 11.47 Junction Cone alpha = 80°13'45" S = 60.20 r1 min = r2 = Collar H1 * = 9.33 H2 ¹⁾ = 9.32 Projectile G1 ¹⁾ = 8.59 G2 = F = L3+G ¹⁾ = 72.00 Pressures (Energies) Method Transducer Pmax = 3800 bar PK = 4370 bar PE = 4750 bar M = 25.00 EE = 5145 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 * = 53.40 L2 * = 54.67 L3 ¹⁾ = 63.55 Breech R ¹⁾ = 1.40 R1 = 13.37 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.92 P2 * = 11.50 Junction Cone alpha = 80°13'44" S = 60.22 r1 max = r2 = Collar H1 * = 9.36 H2 ¹⁾ = 9.35 Commencement of Rifling G1 ¹⁾ * = 8.59 G ¹⁾ * = 9.00 alpha1 = 180° h = s * = 5.83 i ¹⁾ = 1°53'48" w = Barrel F ¹⁾ * = 8.38 Z ¹⁾ = 8.59 Grooves b = 2.79 N = 6 u = 254.00 Q = 56.95 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.	9 x 53 R Country of Origin: RU	TAB.	II
		Date	99-03-23
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 39.68 L2 * = 42.45 L3 ¹⁾ = 53.00 L4 = L5 = L6 = 67.00 Case Head R ¹⁾ = 1.60 -0.25 R1 = 14.48 R3 = E = E1 = e min = delta = f = 0.58 beta = 19°40' Powder Chamber P1 = 12.42 P2 * = 11.61 Junction Cone alpha = 35°03'40" S = 58.057 r1 min = r2 = Collar H1 * = 9.86 H2 ¹⁾ = 9.86 Projectile G1 ¹⁾ = 9.27 G2 = F = L3+G ¹⁾ = 60.70 Pressures (Energies) Method Transducer Pmax = 3400 bar PK = 3910 bar PE = 4250 bar M = 25.00 EE = 3800 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 * = 39.70 L2 * = 42.50 L3 ¹⁾ = 53.30 Breech R ¹⁾ = 1.60 R1 = 14.50 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.51 P2 * = 11.68 Junction Cone alpha = 33°57'39" S = 58.825 r1 max = r2 = Collar H1 * = 9.97 H2 ¹⁾ = 9.90 Commencement of Rifling G1 ¹⁾ * = 9.33 G ¹⁾ * = 7.70 alpha1 = 59°21'59" h = 0.50 s * = 6.20 i ¹⁾ = 5°08'34" w = Barrel F ¹⁾ * = 9.00 Z ¹⁾ = 9.25 Grooves b = 3.00 N = 6 u = 240.00 Q = 65.91 mm ²
	Scale 1:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix .		Notes: 1) Check for safety reasons * Basic dimensions

C.I.P.	9 x 57 R	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI Lengths L1 * = 46.14 L2 * = 47.76 L3 1) = 56.80 L4 = L5 = L6 = 81.00 Case Head R 1) = 1.40 -0.25 R1 = 13.40 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 11.96 P2 * = 10.95 Junction Cone alpha = 38°08'17" S = 61.98 r1 min = 0.50 r2 = 0.50 Collar H1 * = 9.83 H2 1) = 9.83 Projectile G1 1) = 9.08 G2 = F = L3+G 1) = 90.10 Pressures (Energies) Method Transducer Pmax = 2800 bar PK = 3220 bar PE = 3500 bar M = 25.00 EE = 3260 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	CHAMBER MINI Lengths L1 * = 46.16 L2 * = 47.74 L3 1) = 57.10 Breech R 1) = 1.40 R1 = 13.43 R2 = R3 = r = Powder Chamber E = P1 1) = 12.00 P2 * = 10.98 Junction Cone alpha = 38°23'09" S = 61.93 r1 max = 0.50 r2 = 0.50 Collar H1 * = 9.88 H2 1) = 9.87 Commencement of Rifling G1 1)* = 9.15 G 1)* = 33.30 alpha1 = 90° h * = 0.36 s = i 1) = 0°19'18" w = Barrel F 1)* = 8.78 Z 1) = 9.06 Grooves b = 3.20 N = 6 u = 360.00 Q = 63.29 mm²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.

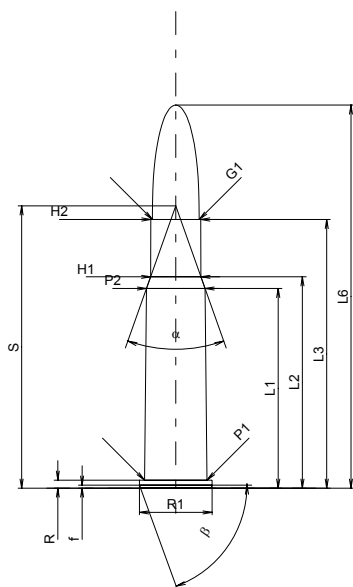
9,3 x 53 R Finnish

TAB. II

Date 95-03-09

Revision 02-05-15

Country of Origin: FI



CARTRIDGE MAXI

Lengths

L1 *	=	39.61
L2 *	=	41.94
L3 ¹⁾	=	53.30
L4	=	
L5	=	
L6	=	76.00

Case Head

R ¹⁾	=	1.60	-0.25
R1	=	14.40	
R3	=		
E	=		
E1	=		
e min	=		
delta	=		
f	=	0.60	
beta	=	70°	

Powder Chamber

P1	=	12.42
P2 *	=	11.61

Junction Cone

alpha	=	38°59'44"
S	=	56.00
r1 min	=	
r2	=	

Collar

H1 *	=	9.96
H2 ¹⁾	=	9.90

Projectile

G1 ¹⁾	=	9.30
G2	=	
F	=	
L3+G ¹⁾	=	76.08

Pressures (Energies)

Method Transducer

Pmax	=	3400 bar
PK	=	3910 bar
PE	=	4250 bar
M	=	25.00
EE	=	4300 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	39.70
L2 *	=	42.14
L3 ¹⁾	=	53.80

Breech

R ¹⁾	=	1.60
R1	=	14.43
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	12.45
P2 *	=	11.67

Junction Cone

alpha	=	37°21'43"
S	=	56.96
r1 max	=	
r2	=	

Collar

H1 *	=	10.02
H2 ¹⁾	=	9.96

Commencement of Rifling

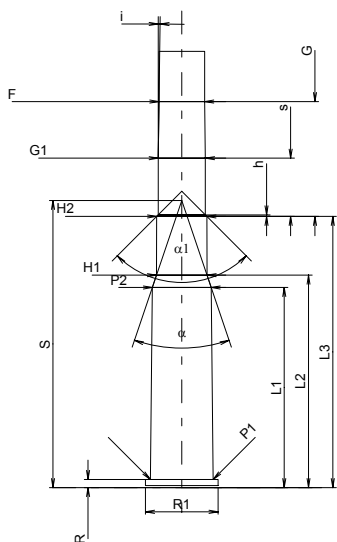
G1 ¹⁾ *	=	9.36
G ¹⁾ *	=	22.78
alpha1	=	90°
h	=	0.30
s *	=	11.55
i ¹⁾	=	0°47'25"
w	=	

Barrel

F ¹⁾ *	=	9.05
Z ¹⁾	=	9.28

Grooves

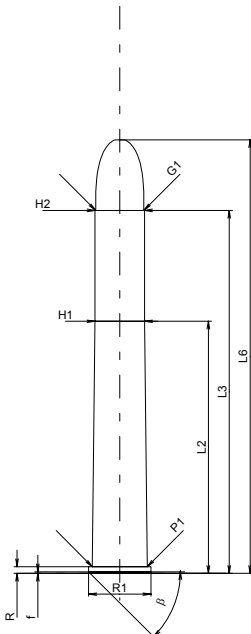
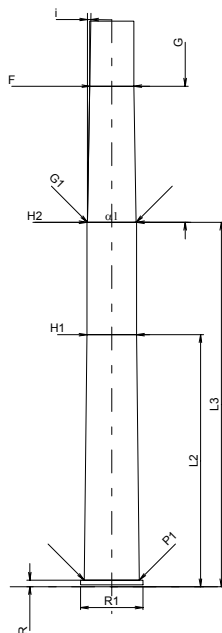
b	=	3.10
N	=	6
u	=	380.00
Q	=	66.51 mm ²



Scale 1:1.5

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

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.	9,3 x 72 R	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 * = 50.00 L3 ¹⁾ = 72.00 L4 = L5 = L6 = 86.00 Case Head R ¹⁾ = 1.30 -0.25 R1 = 12.35 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 10.91 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 * = 9.82 H2 ¹⁾ = 9.82 Projectile G1 ¹⁾ = 9.57 G2 = F = L3+G ¹⁾ = 99.00 Pressures (Energies) Method Transducer Pmax = 2000 bar PK = 2300 bar PE = 2500 bar M = 25.00 EE = 2325 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 * = 50.00 L3 ¹⁾ = 72.30 Breech R ¹⁾ = 1.30 R1 = 12.40 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 10.93 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 * = 9.84 H2 ¹⁾ = 9.83 Commencement of Rifling G1 ¹⁾ * = 9.65 G ¹⁾ * = 27.00 α1 = 180° h = s = i ¹⁾ = 0°57'17" w = Barrel F ¹⁾ * = 8.75 Z ¹⁾ = 9.25 Grooves b = 4.60 N = 4 u = 420.00 Q = 64.96 mm²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.

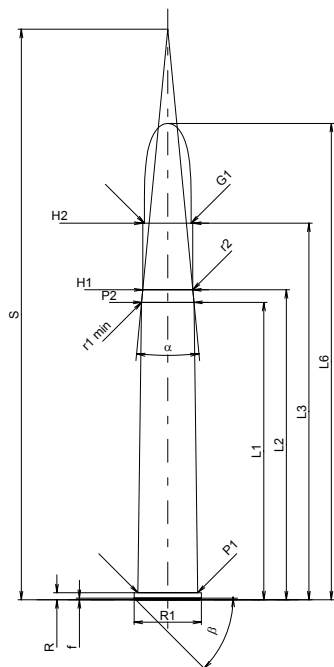
9,3 x 74 R

Country of Origin: DE

TAB. II

Date 84-06-14

Revision 02-05-15



CARTRIDGE MAXI

Lengths

L1 *	=	59.00
L2 *	=	61.50
L3 ¹⁾	=	74.70
L4	=	
L5	=	
L6	=	94.50

Case Head

R ¹⁾	=	1.40	-0.25
R1	=	13.35	
R3	=		
E	=		
E1	=		
e min	=		
delta	=		
f	=	0.30	
beta	=	45°	

Powder Chamber

P1	=	11.90
P2 *	=	10.40

Junction Cone

alpha	=	10°58'
S	=	113.17
r1 min	=	0.50
r2	=	0.50

Collar

H1 *	=	9.92
H2 ¹⁾	=	9.92

Projectile

G1 ¹⁾	=	9.30
G2	=	
F	=	
L3+G ¹⁾	=	101.10

Pressures (Energies)

Method Transducer

Pmax	=	3400 bar
PK	=	3910 bar
PE	=	4250 bar
M	=	25.00
EE	=	5045 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	59.00
L2 *	=	61.50
L3 ¹⁾	=	75.00

Breech

R ¹⁾	=	1.40
R1	=	13.40
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	11.93
P2 *	=	10.43

Junction Cone

alpha	=	10°58'01"
S	=	113.33
r1 max	=	0.50
r2	=	0.50

Collar

H1 *	=	9.95
H2 ¹⁾	=	9.94

Commencement of Rifling

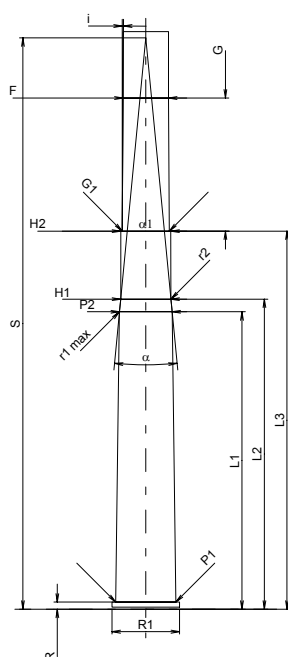
G1 ¹⁾ *	=	9.33
G ¹⁾ *	=	26.40
alpha l	=	180°
h	=	
s	=	
i ¹⁾	=	0°21'29"
w	=	

Barrel

F ¹⁾ *	=	9.00
Z ¹⁾	=	9.28

Grooves

b	=	4.60
N	=	4
u	=	360.00
Q	=	66.32 mm ²



Scale 1:1.5

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

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.

10,3 x 60 R

Country of Origin: CH

TAB.

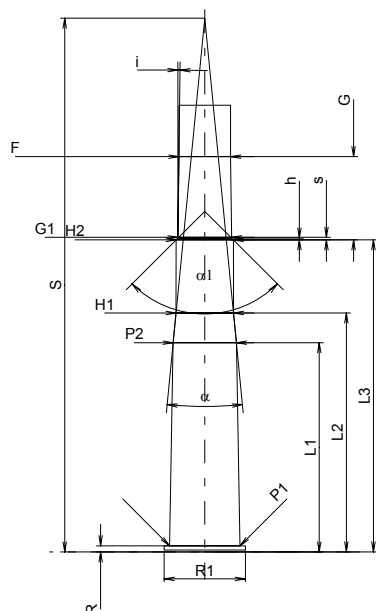
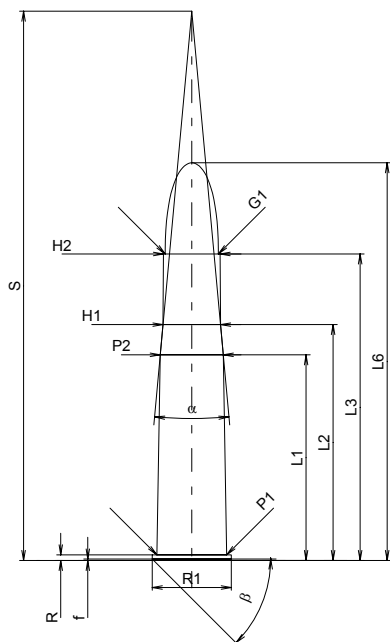
II

Date

84-06-14

Revision

02-05-15



Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1	=	40.80
L2	=	46.80
L3 ¹⁾	=	60.80
L4	=	
L5	=	
L6	=	78.90

Case Head

R ¹⁾	=	1.10	-0.25
R1	=	15.70	
R3	=		
E	=		
E1	=		
e min	=		
delta	=		
f	=	0.30	
beta	=	45°	

Powder Chamber

P1	=	13.85
P2 *	=	12.50

Junction Cone

alpha *	=	10°28'30"
S *	=	108.98
r1 min	=	
r2	=	

Collar

H1 *	=	11.40
H2 ¹⁾	=	11.26

Projectile

G1 ¹⁾	=	10.54
G2	=	
F	=	
L3+G ¹⁾	=	77.30

Pressures (Energies)

Method Transducer

Pmax	=	2700 bar
PK	=	3105 bar
PE	=	3375 bar
M	=	25.00
EE	=	4620 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1	=	41.50
L2	=	47.40
L3 ¹⁾	=	61.90

Breech

R ¹⁾	=	1.20
R1	=	16.10
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	13.95
P2 *	=	12.55

Junction Cone

alpha *	=	11°07'58"
S *	=	105.88
r1 max	=	
r2	=	

Collar

H1 *	=	11.40
H2 ¹⁾	=	11.35

Commencement of Rifling

G1 ¹⁾ *	=	10.65
G ¹⁾	=	16.50
alpha 1 *	=	90°
h	=	0.35
s	=	0.50
i ¹⁾ *	=	0°42'58"
w	=	

Barrel

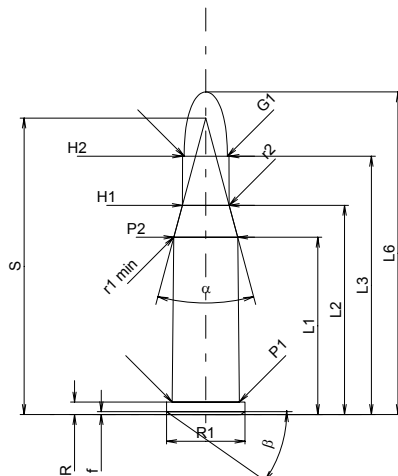
F ¹⁾ *	=	10.25
Z ¹⁾	=	10.49

Grooves

b	=	3.60
N	=	6
u	=	450.00
Q	=	85.16 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.	218 Bee	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 23.45 L2 = 27.67 L3 ¹⁾ = 34.16 L4 = L5 = L6 = 42.67 Case Head R ¹⁾ = 1.65 -0.25 R1 = 10.36 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 8.87 P2 * = 8.44 Junction Cone α * = 30° S * = 39.20 r1 min = 1.02 r2 = 4.70 Collar H1 * = 6.18 H2 ¹⁾ = 6.15 Projectile G1 ¹⁾ = 5.70 G2 = F = L3+G ¹⁾ = 38.75 Pressures (Energies) Method Transducer Pmax = 3200 bar PK = 3680 bar PE = 4000 bar M = 17.50 EE = 1115 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = 23.66 L2 = 27.86 L3 ¹⁾ = 34.42 Breech R ¹⁾ = 1.65 R1 = 10.62 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.90 P2 * = 8.46 Junction Cone α * = 30° S * = 39.45 r1 max = 0.64 r2 = 4.70 Collar H1 * = 6.21 H2 ¹⁾ = 6.17 Commencement of Rifling G1 ¹⁾ * = 5.76 G ¹⁾ = 4.59 α1 * = 30° h = 0.77 s = i ¹⁾ * = 1°30' w = Barrel F ¹⁾ * = 5.56 Z ¹⁾ = 5.69 Grooves b = 1.88 N = 6 u = 406.00 Q = 25.03 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.

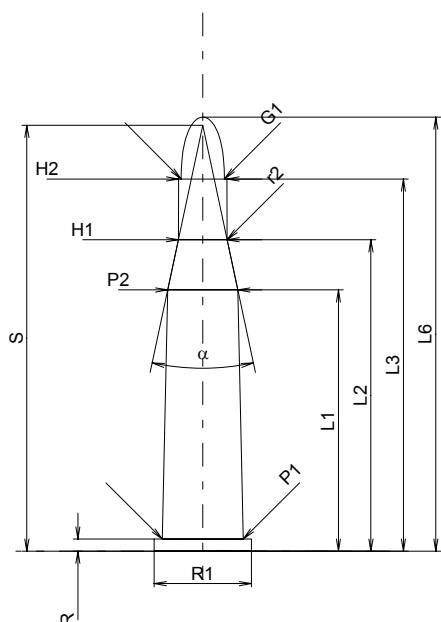
219 Zipper

Country of Origin: US

TAB. II

Date 84-06-14

Revision 02-05-15



CARTRIDGE MAXI

Lengths

L1	=	34.55
L2	=	41.18
L3 ¹⁾	=	49.22
L4	=	
L5	=	
L6	=	57.40

Case Head

R ¹⁾	=	1.60	-0.25
R1	=	12.85	
R3	=		
E	=		
E1	=		
e min	=		
delta	=		
f	=		
beta	=		

Powder Chamber

P1	=	10.72
P2 *	=	9.26

Junction Cone

alpha *	=	24°
S *	=	56.33
r1 min	=	
r2	=	8.00

Collar

H1 *	=	6.44
H2 ¹⁾	=	6.40

Projectile

G1 ¹⁾	=	5.70
G2	=	
F	=	
L3+G ¹⁾	=	53.80

Pressures (Energies)

Method Transducer

Pmax	=	2850 bar
PK	=	3278 bar
PE	=	3560 bar
M	=	25.00
EE	=	1935 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1	=	34.76
L2	=	41.39
L3 ¹⁾	=	49.48

Breech

R ¹⁾	=	1.60
R1	=	12.88
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	10.74
P2 *	=	9.28

Junction Cone

alpha *	=	24°
S *	=	56.59
r1 max	=	
r2	=	8.00

Collar

H1 *	=	6.46
H2 ¹⁾	=	6.43

Commencement of Rifling

G1 ¹⁾ *	=	5.77
G ¹⁾	=	4.58
alpha 1 *	=	60°
h	=	0.57
s	=	
i ¹⁾ *	=	1°30'
w	=	

Barrel

F ¹⁾ *	=	5.56
Z ¹⁾	=	5.69

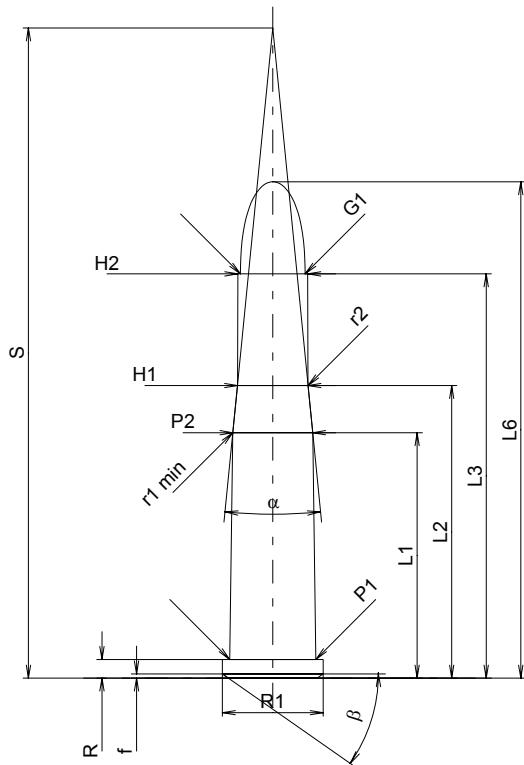
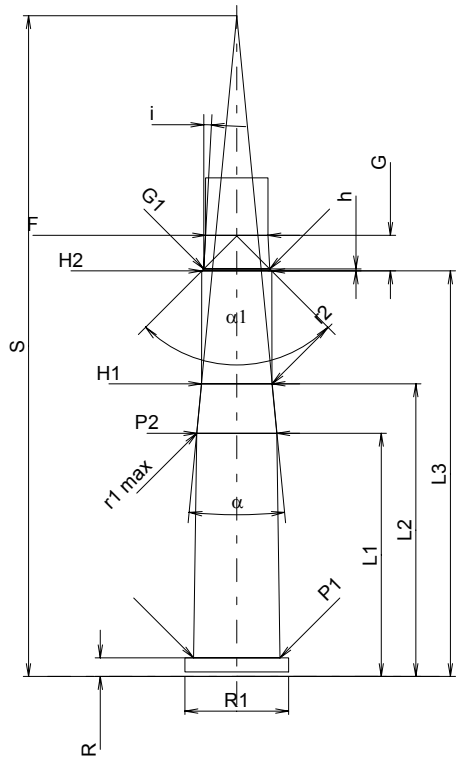
Grooves

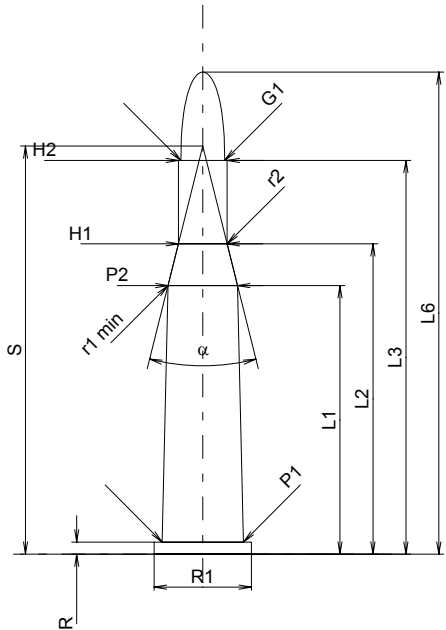
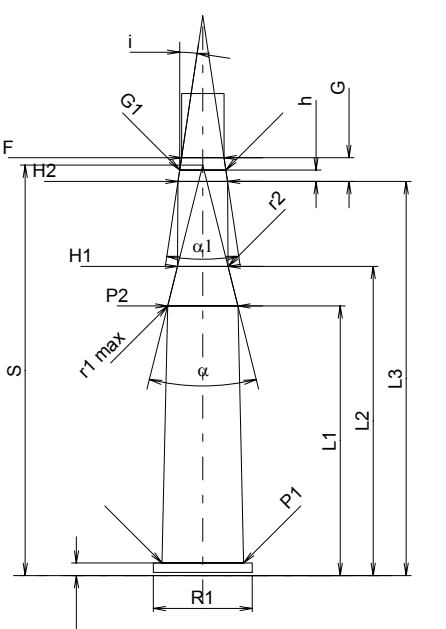
b	=	1.88
N	=	6
u	=	406.00
Q	=	25.03 mm²

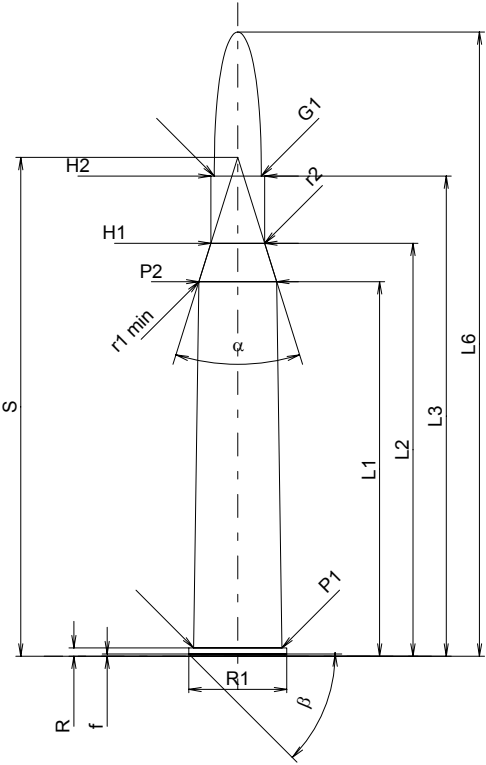
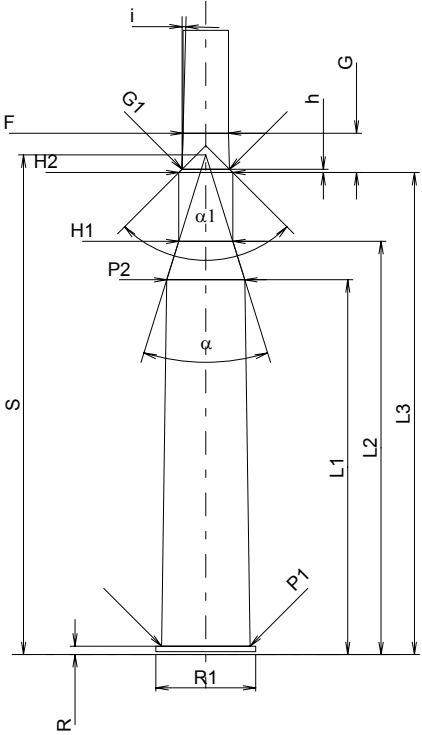
Scale 1:1

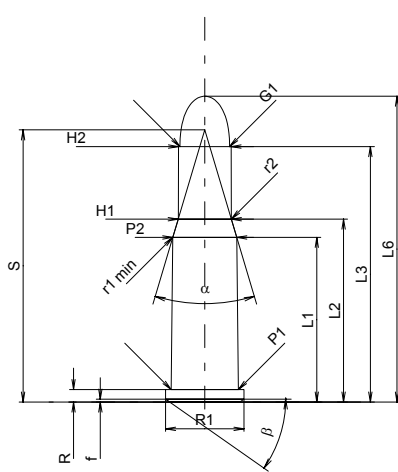
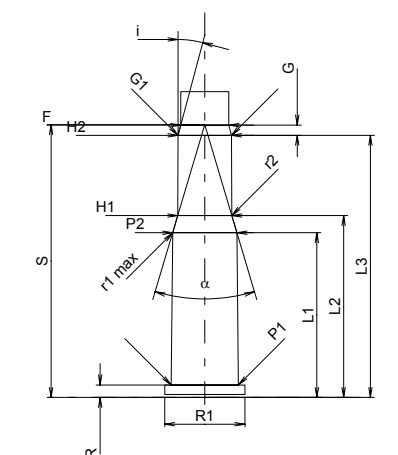
Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

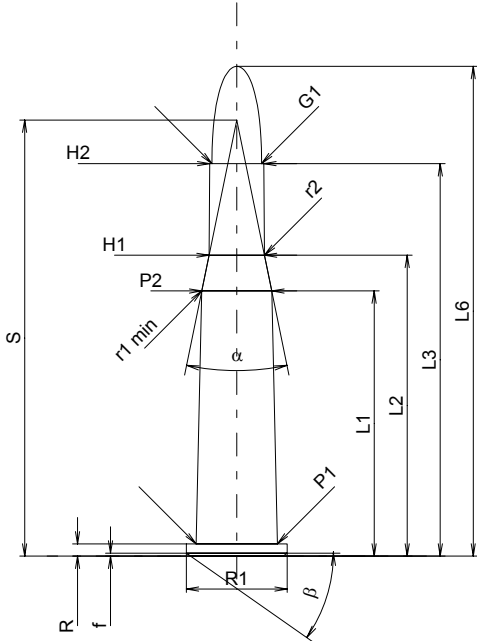
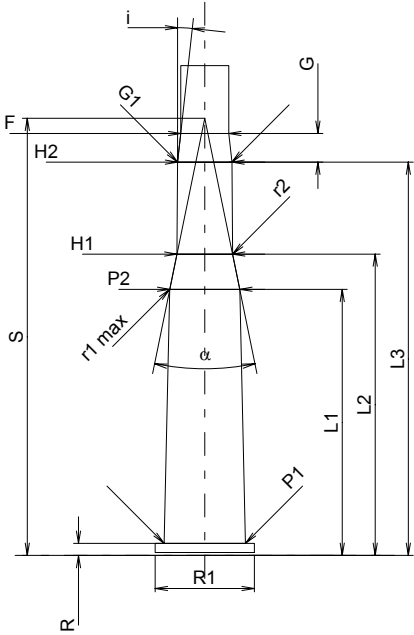
Notes: 1) Check for safety reasons
* Basic dimensions

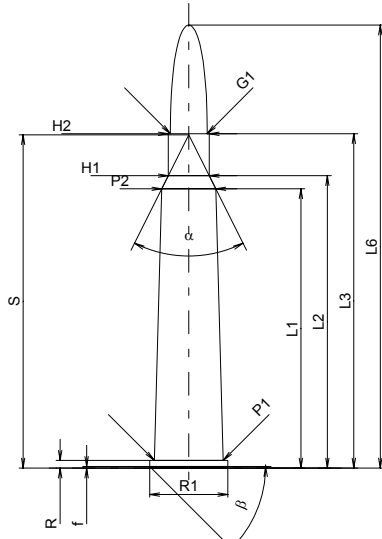
C.I.P.	22 Hornet	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 21.64 L2 = 25.80 L3 ¹⁾ = 35.64 L4 = L5 = L6 = 43.76 Case Head R ¹⁾ = 1.65 -0.25 R1 = 8.89 R3 = E = E1 = e min = delta = f = 0.38 beta = 35° Powder Chamber P1 = 7.59 P2 * = 7.04 Junction Cone alpha * = 11°16' S * = 57.33 r1 min = 12.70 r2 = 22.23 Collar H1 * = 6.22 H2 ¹⁾ = 6.16 Projectile G1 ¹⁾ = 5.70 G2 = F = L3+G ¹⁾ = 38.78 Pressures (Energies) Method Transducer Pmax = 3000 bar PK = 3450 bar PE = 3750 bar M = 17.50 EE = 1055 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = 21.44 L2 = 25.81 L3 ¹⁾ = 35.76 Breech R ¹⁾ = 1.65 R1 = 9.14 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 7.62 P2 * = 7.07 Junction Cone alpha * = 10°58'01" S * = 58.26 r1 max = 12.70 r2 = 22.23 Collar H1 * = 6.23 H2 ¹⁾ = 6.17 Commencement of Rifling G1 ¹⁾ * = 5.82 G ¹⁾ = 3.14 alpha1 * = 90° h = 0.18 s = i ¹⁾ * = 3° w = Barrel F ¹⁾ * = 5.51 Z ¹⁾ = 5.64 Grooves b = 1.73 N = 6 u = 406.00 Q = 24.53 mm²	
			
	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.			

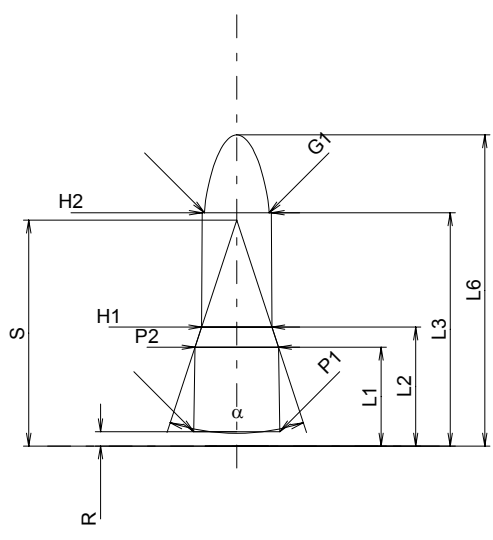
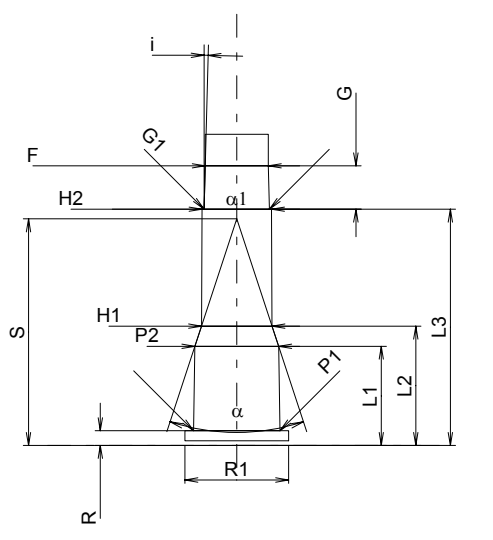
C.I.P.	22 Savage Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = 35.52 L2 = 41.04 L3 ¹⁾ = 52.07 L4 = L5 = L6 = 63.75 Case Head R ¹⁾ = 1.60 -0.25 R1 = 12.85 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 10.74 P2 * = 9.20 Junction Cone α * = 28° S * = 53.97 r1 min = 3.81 r2 = 3.81 Collar H1 * = 6.45 H2 ¹⁾ = 6.45 Projectile G1 ¹⁾ = 5.79 G2 = F = L3+G ¹⁾ = 55.22 Pressures (Energies) Method Transducer Pmax = 3300 bar PK = 3795 bar PE = 4125 bar M = 25.00 EE = 1990 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 = 35.66 L2 = 40.89 L3 ¹⁾ = 52.12 Breech R ¹⁾ = 1.65 R1 = 13.08 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 10.80 P2 * = 9.28 Junction Cone α * = 28° S * = 54.27 r1 max = 3.81 r2 = 7.62 Collar H1 * = 6.67 H2 ¹⁾ = 6.55 Commencement of Rifling G1 ¹⁾ * = 6.10 G ¹⁾ = 3.15 α1 * = 17° h = 1.51 s = i ¹⁾ * = 8°30' w = Barrel F ¹⁾ * = 5.61 Z ¹⁾ = 5.74 Grooves b = 1.65 N = 6 u = 305.00 Q = 25.37 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	

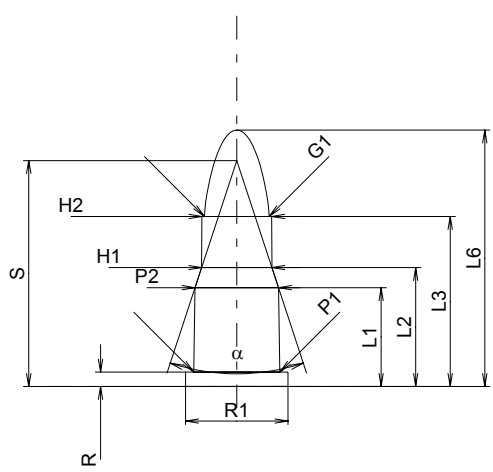
C.I.P.	240 FI. N.E. Country of Origin: GB	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 49.53 L2 * = 54.61 L3 ¹⁾ = 63.50 L4 = L5 = L6 = 82.55 Case Head R ¹⁾ = 1.09 -0.25 R1 = 12.95 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 11.68 P2 * = 10.29 Junction Cone α = 34°45'33" S = 65.97 r1 min = 4.57 r2 = 4.57 Collar H1 * = 7.11 H2 ¹⁾ = 7.11 Projectile G1 ¹⁾ = 6.22 G2 = F = L3+G ¹⁾ = 68.71 Pressures (Energies) Method Transducer Pmax = 3200 bar PK = 3680 bar PE = 4000 bar M = 25.00 EE = 2660 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 * = 49.56 L2 * = 54.64 L3 ¹⁾ = 63.75 Breech R ¹⁾ = 1.12 R1 = 13.21 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.71 P2 * = 10.31 Junction Cone α = 34°39'25" S = 66.08 r1 max = r2 = Collar H1 * = 7.14 H2 ¹⁾ = 7.14 Commencement of Rifling G1 ¹⁾ * = 6.27 G ¹⁾ * = 5.21 α1 = 90° h * = 0.44 s = i ¹⁾ = 1°30'04" w = Barrel F ¹⁾ * = 6.02 Z ¹⁾ = 6.22 Grooves b = 3.50 N = 4 u = 203.00 Q = 29.95 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

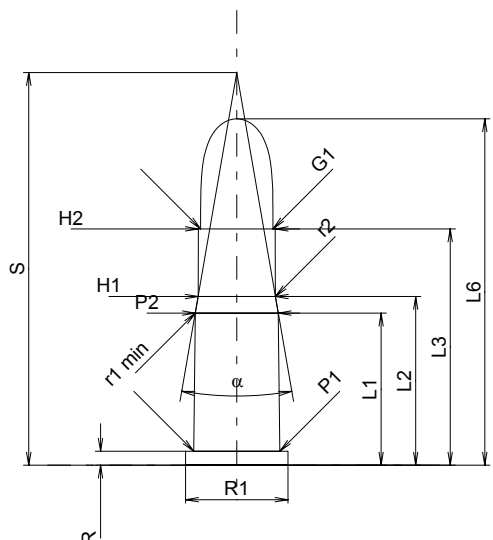
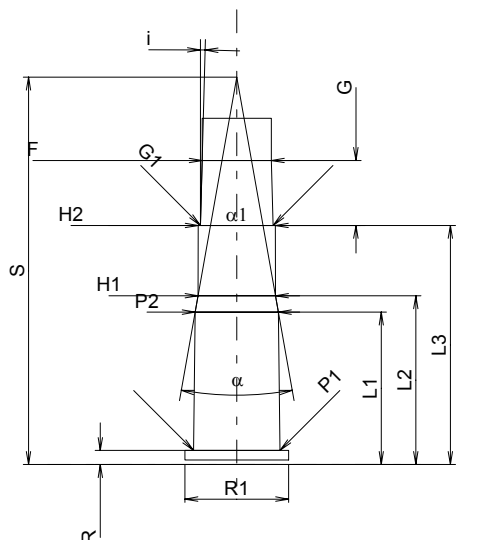
C.I.P.	25-20 Win.	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 21.77 L2 = 24.19 L3 ¹⁾ = 33.78 L4 = L5 = L6 = 40.44 Case Head R ¹⁾ = 1.65 -0.25 R1 = 10.36 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 8.87 P2 [*] = 8.46 Junction Cone α [*] = 33°07'59" S [*] = 35.99 r1 min = 2.54 r2 = 4.70 Collar H1 [*] = 7.02 H2 ¹⁾ = 6.95 Projectile G1 ¹⁾ = 6.55 G2 = F = L3+G ¹⁾ = 35.13 Pressures (Energies) Method Transducer Pmax = 2700 bar PK = 3105 bar PE = 3375 bar M = 17.50 EE = 1090 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = 21.78 L2 = 24.05 L3 ¹⁾ = 34.67 Breech R ¹⁾ = 1.65 R1 = 10.62 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.90 P2 [*] = 8.50 Junction Cone α [*] = 33°07'58" S [*] = 36.08 r1 max = 2.54 r2 = 4.70 Collar H1 [*] = 7.15 H2 ¹⁾ = 7.07 Commencement of Rifling G1 ¹⁾ [*] = 7.07 G ¹⁾ = 1.35 α1 [*] = 15° h = s = i ¹⁾ [*] = 15° w = Barrel F ¹⁾ [*] = 6.35 Z ¹⁾ = 6.50 Grooves b = 1.98 N = 6 u = 356.00 Q = 32.57 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.			

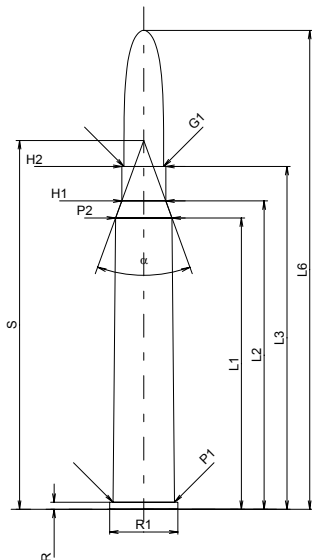
C.I.P.	25-35 Win. Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 35.06 L2 = 39.78 L3 ¹⁾ = 51.89 L4 = L5 = L6 = 64.77 Case Head R ¹⁾ = 1.60 -0.25 R1 = 13.35 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 10.73 P2 * = 9.25 Junction Cone α * = 23°07'59" S * = 57.66 r1 min = 18.80 r2 = 12.70 Collar H1 * = 7.32 H2 ¹⁾ = 7.15 Projectile G1 ¹⁾ = 6.55 G2 = F = L3+G ¹⁾ = 55.68 Pressures (Energies) Method Transducer Pmax = 3050 bar PK = 3508 bar PE = 3810 bar M = 25.00 EE = 1750 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = 35.20 L2 = 39.86 L3 ¹⁾ = 52.02 Breech R ¹⁾ = 1.60 R1 = 13.11 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 10.74 P2 * = 9.26 Junction Cone α * = 23°07'58" S * = 57.82 r1 max = 15.24 r2 = 12.70 Collar H1 * = 7.35 H2 ¹⁾ = 7.18 Commencement of Rifling G1 ¹⁾ * = 7.18 G ¹⁾ = 3.79 α1 * = 180° h = s = i ¹⁾ * = 6°15' w = Barrel F ¹⁾ * = 6.35 Z ¹⁾ = 6.50 Grooves b = 2.00 N = 6 u = 203.00 Q = 32.58 mm ²	
	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

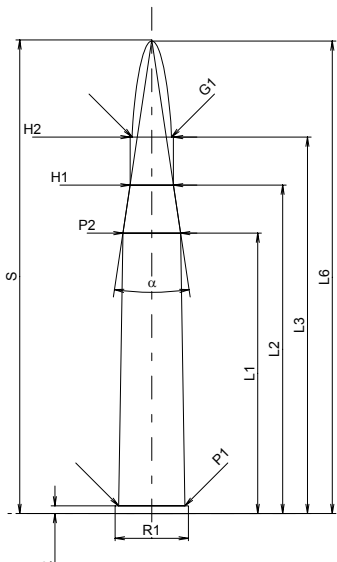
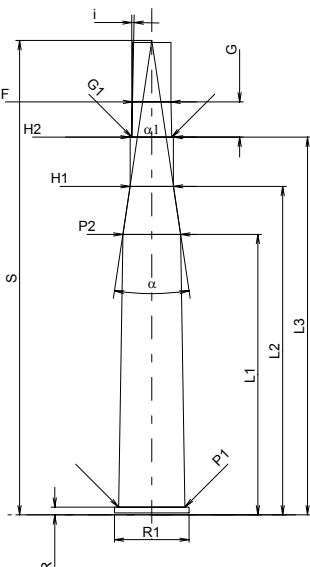
C.I.P.	280 FI. N. E.	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 55.40 L2 * = 57.99 L3 1) = 66.32 L4 = L5 = L6 = 87.88 Case Head R 1) = 1.52 -0.25 R1 = 15.49 R3 = E = E1 = e min = delta = f = 0.30 beta = 45° Powder Chamber P1 = 13.69 P2 * = 10.72 Junction Cone alpha = 53°07'48" S = 66.12 r1 min = r2 = Collar H1 * = 8.13 H2 1) = 8.13 Projectile G1 1) = 7.29 G2 = F = L3+G 1) = 71.86 Pressures (Energies) Method Transducer Pmax = 2950 bar PK = 3393 bar PE = 3690 bar M = 25.00 EE = 3550 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 55.42 L2 * = 58.01 L3 1) = 66.57 Breech R 1) = 1.55 R1 = 15.75 R2 = R3 = r = Powder Chamber E = P1 1) = 13.72 P2 * = 10.74 Junction Cone alpha = 53°07'48" S = 66.16 r1 max = r2 = Collar H1 * = 8.15 H2 1) = 8.15 Commencement of Rifling G1 1)* = 7.34 G 1)* = 5.54 alpha1 = 180° h = s = i 1) = 1°30' w = Barrel F 1)* = 7.05 Z 1) = 7.30 Grooves b = N = u = 255.00 Q = 39.04 mm²	
Scale 1:1.5	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

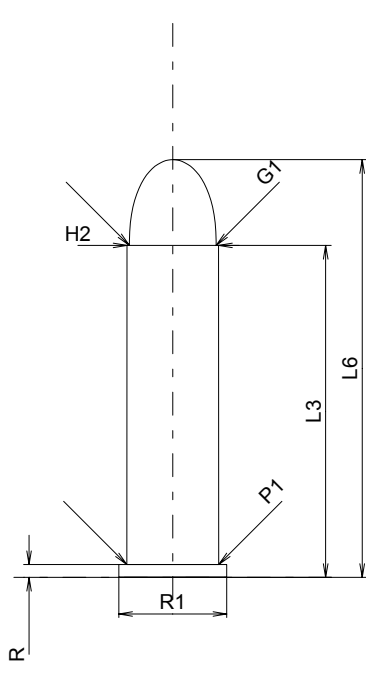
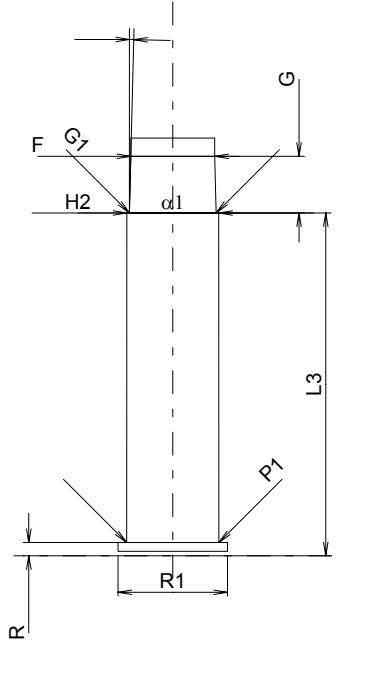
C.I.P.	297/230 Morris Ig	TAB.	II
		Date	84-06-14
		Revision	00-06-07
Country of Origin: GB			
	CARTRIDGE MAXI		CHAMBER MINI
	Lengths L1 * = 8.71 L2 * = 10.49 L3 1) = 20.57 L4 = L5 = L6 = 27.43 Case Head R = 1.27 -0.25 R1 = R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 7.59 P2 * = 7.37 Junction Cone alpha = 36°23'11" S = 19.92 r1 min = r2 = Collar H1 * = 6.20 H2 1) = 6.10 Projectile G1 1) = 5.71 G2 = F = L3+G 1) = 24.39 Pressures (Energies) Miscellaneous Dimensions Fe = delta L =		Lengths L1 * = 8.74 L2 * = 10.52 L3 1) = 20.83 Breech R 1) = 1.30 R1 = 9.14 R2 = R3 = r = Powder Chamber E = P1 1) = 7.62 P2 * = 7.39 Junction Cone alpha = 36°23'09" S = 19.98 r1 max = r2 = Collar H1 * = 6.22 H2 1) = 6.12 Commencement of Rifling G1 1)* = 5.76 G 1)* = 3.82 alpha 1 = 180° h = s = i 1) = 1°30' w = Barrel F 1)* = 5.56 Z 1) = 5.69 Grooves b = N = u = 255.00 Q = 24.28 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	

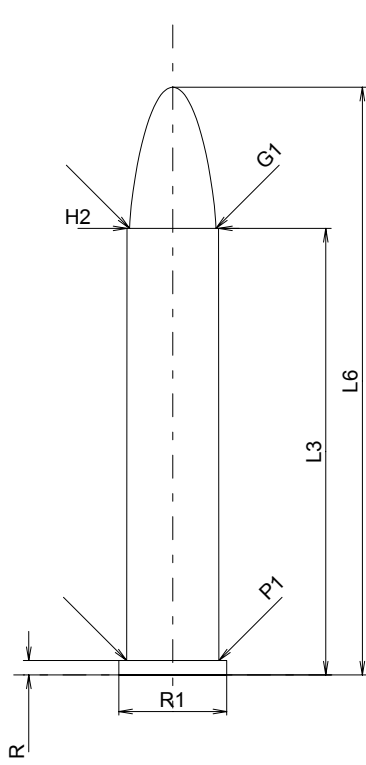
C.I.P.	297/230 Morris sh	TAB.	II
		Date	84-06-14
		Revision	00-06-07
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 8.71 L2 * = 10.49 L3 1) = 14.99 L4 = L5 = L6 = 22.61 Case Head R 1) = 1.27 -0.25 R1 = 9.02 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 7.59 P2 * = 7.37 Junction Cone alpha = 36°23'11" S = 19.92 r1 min = r2 = Collar H1 * = 6.20 H2 1) = 6.15 Projectile G1 1) = 5.71 G2 = F = L3+G 1) = 18.81 Pressures (Energies) Miscellaneous Dimensions Fe = delta L =	Lengths L1 * = 8.74 L2 * = 10.52 L3 1) = 15.24 Breech R 1) = 1.30 R1 = 9.14 R2 = R3 = r = Powder Chamber E = P1 1) = 7.62 P2 * = 7.39 Junction Cone alpha = 36°23'09" S = 19.98 r1 max = r2 = Collar H1 * = 6.22 H2 1) = 6.17 Commencement of Rifling G1 1)* = 5.76 G 1)* = 3.82 alpha1 = 180° h = s = i 1) = 1°30' w = Barrel F 1)* = 5.56 Z 1) = 5.69 Grooves b = N = u = 255.00 Q = 24.28 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.	297/250 Rook Rifle	TAB.	II
		Date	84-06-14
		Revision	00-06-07
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 13.41 L2 * = 14.86 L3 1) = 20.83 L4 = L5 = L6 = 30.53 Case Head R 1) = 1.22 -0.25 R1 = 9.02 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 7.59 P2 * = 7.31 Junction Cone alpha = 19°33'53" S = 34.61 r1 min = 6.35 r2 = 6.35 Collar H1 * = 6.81 H2 1) = 6.78 Projectile G1 1) = 6.38 G2 = F = L3+G 1) = 26.56 Pressures (Energies) Miscellaneous Dimensions Fe = delta L =	Lengths L1 * = 13.44 L2 * = 14.88 L3 1) = 21.08 Breech R 1) = 1.24 R1 = 9.14 R2 = R3 = r = Powder Chamber E = P1 1) = 7.62 P2 * = 7.34 Junction Cone alpha = 20°05'02" S = 34.16 r1 max = r2 = Collar H1 * = 6.83 H2 1) = 6.81 Commencement of Rifling G1 1)* = 6.40 G 1)* = 5.73 alpha l = 180° h = s = i 1) = 1°30' w = Barrel F 1)* = 6.10 Z 1) = 6.36 Grooves b = N = u = 255.00 Q = 29.02 mm²	
	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.	30 R Blaser	TAB.	II
		Date	91-02-19
		Revision	02-05-15
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 57.77 L2 * = 61.16 L3 1) = 68.00 L4 = L5 = L6 = 95.00 Case Head R 1) = 1.40 -0.25 R1 = 13.50 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 12.20 P2 * = 11.20 Junction Cone alpha = 40°02'02" S = 73.14 r1 min = r2 = Collar H1 * = 8.73 H2 1) = 8.73 Projectile G1 1) = 7.85 G2 = F = L3+G 1) = 76.39 Pressures (Energies) Method Transducer Pmax = 4050 bar PK = 4658 bar PE = 5060 bar M = 25.00 EE = 4500 Joule Miscellaneous Dimensions Fe 1) = 0.10 delta L =	Lengths L1 * = 57.78 L2 * = 61.13 L3 1) = 68.30 Breech R 1) = 1.40 R1 = 13.55 R2 = R3 = r = Powder Chamber E = 1.40 P1 1) = 12.23 P2 * = 11.23 Junction Cone alpha = 40°01'15" S = 73.20 r1 max = r2 = Collar H1 * = 8.79 H2 1) = 8.76 Commencement of Rifling G1 1)* = 7.85 G 1)* = 8.39 alpha1 = 90° h = 0.46 s * = 4.00 i 1) = 1°30' w = Barrel F 1)* = 7.62 Z 1) = 7.82 Grooves b = 4.47 N = 6 u = 305.00 Q = 47.51 mm²	
Scale 1:1.5	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 Super Fl. H.& H.	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 55.63 L2 * = 65.15 L3 ¹⁾ = 74.68 L4 = L5 = L6 = 93.73 Case Head R ¹⁾ = 1.52 -0.25 R1 = 14.53 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 13.13 P2 * = 11.43 Junction Cone alpha = 16°58'03" S = 93.94 r1 min = r2 = Collar H1 * = 8.59 H2 ¹⁾ = 8.59 Projectile G1 ¹⁾ = 7.82 G2 = F = L3+G ¹⁾ = 81.67 Pressures (Energies) Method Transducer Pmax = 3200 bar PK = 3680 bar PE = 4000 bar M = 25.00 EE = 3520 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 * = 55.65 L2 * = 65.18 L3 ¹⁾ = 74.93 Breech R ¹⁾ = 1.55 R1 = 14.78 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 13.16 P2 * = 11.46 Junction Cone alpha = 16°57' S = 94.11 r1 max = r2 = Collar H1 * = 8.62 H2 ¹⁾ = 8.61 Commencement of Rifling G1 ¹⁾ * = 7.89 G ¹⁾ * = 6.99 alpha1 = 180° h = s = i ¹⁾ = 1°06'23" w = Barrel F ¹⁾ * = 7.62 Z ¹⁾ = 7.82 Grooves b = N = u = 255.00 Q = 45.60 mm²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	300/295 Rook Rifle	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 29.27 L4 = L5 = L6 = 36.83 Case Head R ¹⁾ = 1.14 -0.25 R1 = 9.52 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 8.10 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.08 Projectile G1 ¹⁾ = 7.65 G2 = F = L3+G ¹⁾ = 34.27 Pressures (Energies) Method Transducer Pmax = 1200 bar PK = 1380 bar PE = 1500 bar M = 17.50 EE = 375 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 30.23 Breech R ¹⁾ = 1.17 R1 = 9.65 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.13 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.10 Commencement of Rifling G1 ¹⁾ * = 7.65 G ¹⁾ * = 5.00 α1 = 180° h = s = i ¹⁾ = 1°25'54" w = Barrel F ¹⁾ * = 7.40 Z ¹⁾ = 7.62 Grooves b = N = u = 508.00 Q = 43.01 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.	300 Sherwood	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 39.37 L4 = L5 = L6 = 51.82 Case Head R ¹⁾ = 1.27 -0.25 R1 = 9.52 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 8.13 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.08 Projectile G1 ¹⁾ = 7.62 G2 = F = L3+G ¹⁾ = 43.81 Pressures (Energies) Method Transducer Pmax = 1400 bar PK = 1610 bar PE = 1750 bar M = 25.00 EE = 930 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 39.62 Breech R ¹⁾ = 1.30 R1 = 9.65 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.15 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.10 Commencement of Rifling G1 ^{1)*} = 7.62 G ^{1)*} = 4.44 α1 = 180° h = s = i ¹⁾ = 1°25'09" w = Barrel F ^{1)*} = 7.40 Z ¹⁾ = 7.62 Grooves b = N = u = 508.00 Q = 43.01 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.

303 British

Country of Origin: GB

TAB.

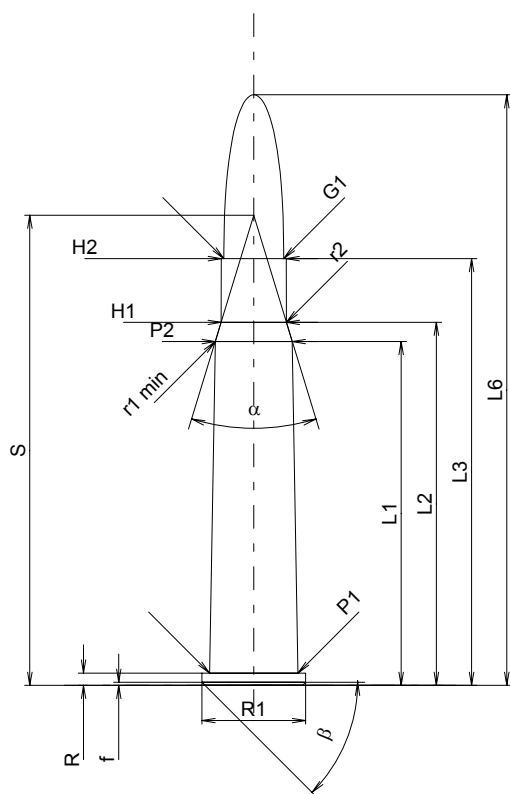
II

Date

84-06-14

Revision

02-05-15



CARTRIDGE MAXI

Lengths

L1 *	=	45.47
L2 *	=	48.01
L3 ¹⁾	=	56.44
L4	=	
L5	=	
L6	=	78.11

Case Head

R ¹⁾	=	1.63	-0.25
R1	=	13.72	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=	0.40	
β	=	45°	

Powder Chamber

P1	=	11.68
P2 *	=	10.19

Junction Cone

α	=	33°56'08"
S	=	62.17
r1 min	=	2.29
r2	=	2.29

Collar

H1 *	=	8.64
H2 ¹⁾	=	8.59

Projectile

G1 ¹⁾	=	7.92
G2	=	
F	=	
L3+G ¹⁾	=	71.07

Pressures (Energies)

Method Transducer

Pmax	=	3650 bar
PK	=	4198 bar
PE	=	4560 bar
M	=	25.00
EE	=	2910 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	46.04
L2 *	=	48.06
L3 ¹⁾	=	56.44

Breech

R ¹⁾	=	1.63
R1	=	13.97
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	11.74
P2 *	=	10.25

Junction Cone

α	=	40°29'20"
S	=	59.94
r1 max	=	
r2	=	

Collar

H1 *	=	8.76
H2 ¹⁾	=	8.66

Commencement of Rifling

G1 ¹⁾ *	=	7.93
G ¹⁾ *	=	14.63
α1	=	19°
h *	=	2.18
s	=	
i ¹⁾	=	0°31'45"
w	=	

Barrel

F ¹⁾ *	=	7.70
Z ¹⁾	=	7.98

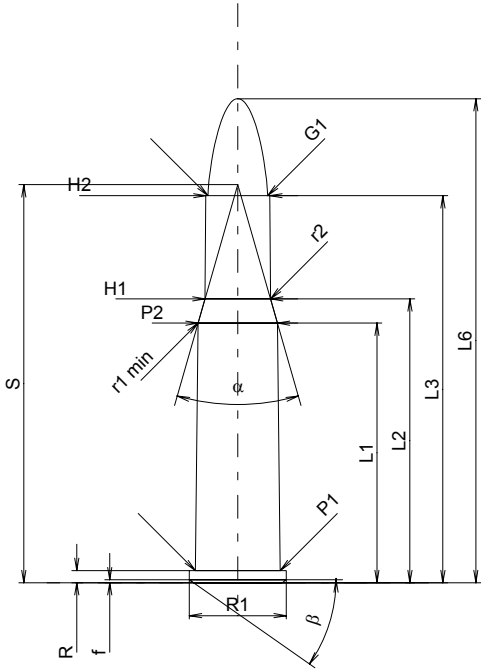
Grooves

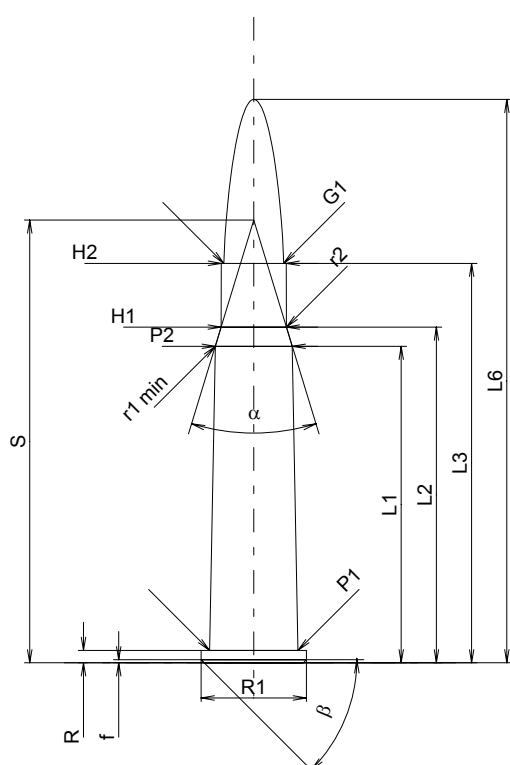
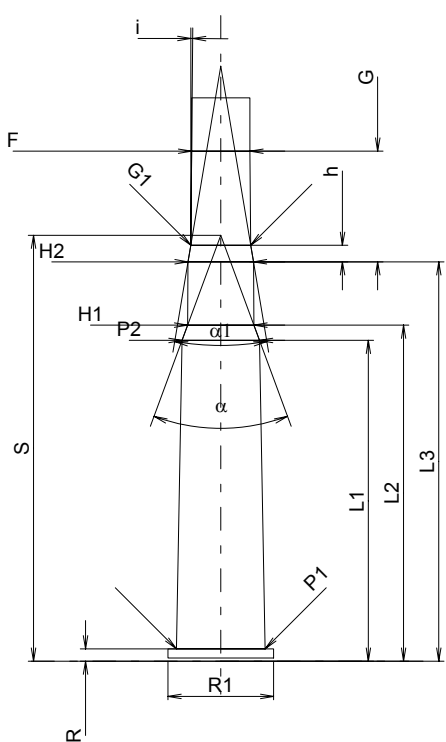
b	=	2.12
N	=	5
u	=	254.00
Q	=	48.07 mm ²

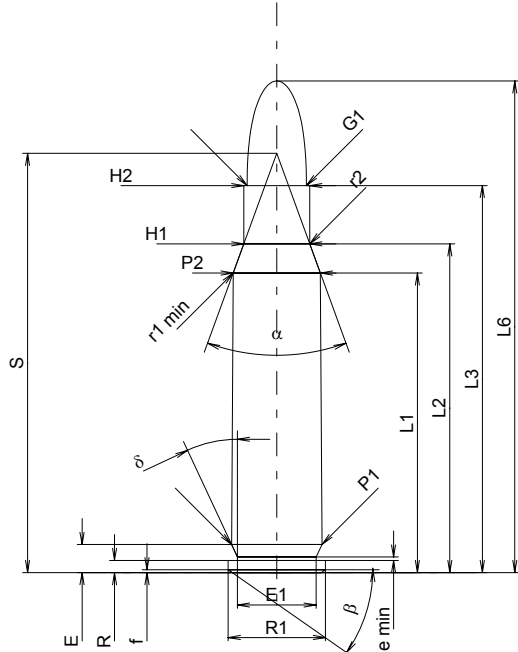
Scale 1:1

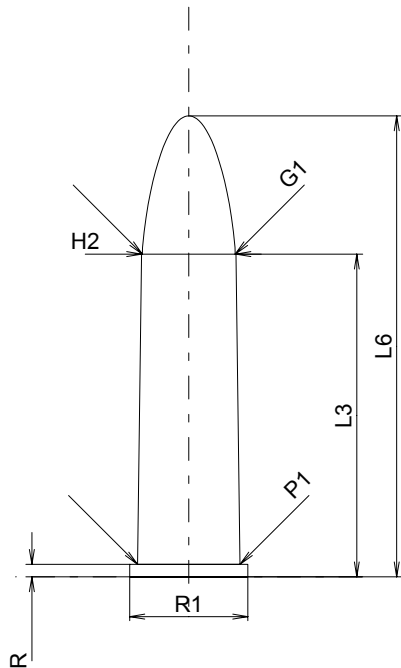
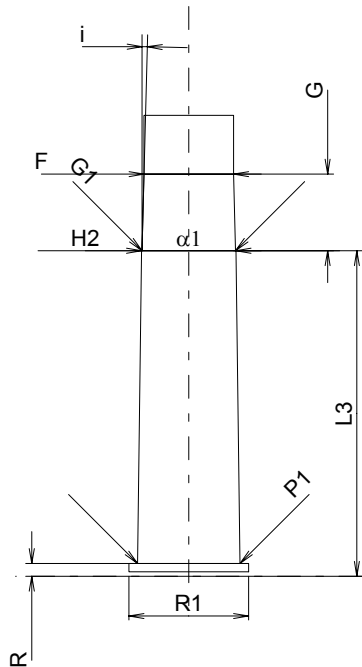
Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

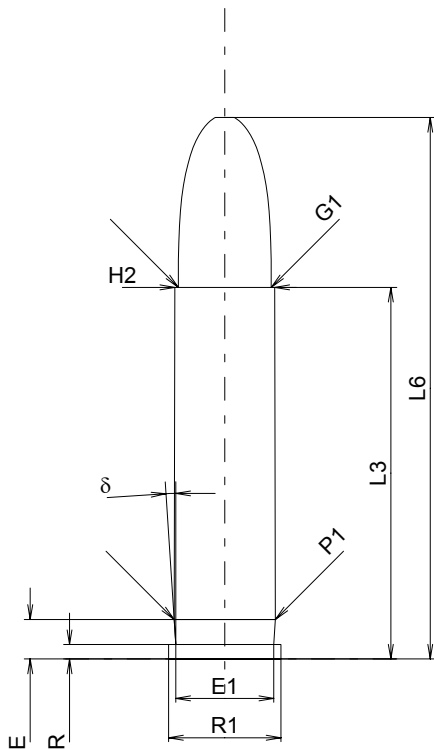
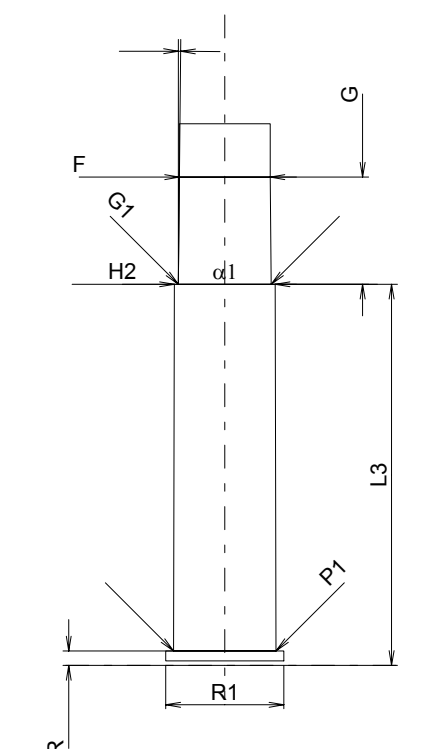
Notes: 1) Check for safety reasons
* Basic dimensions

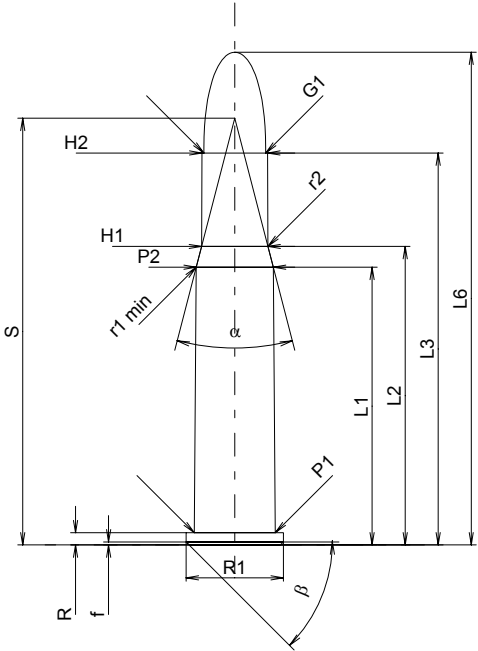
C.I.P.	303 Savage Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = 34.33 L2 = 37.54 L3 ¹⁾ = 51.18 L4 = L5 = L6 = 64.01 Case Head R ¹⁾ = 1.60 -0.25 R1 = 12.83 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 11.23 P2 * = 10.50 Junction Cone α * = 32° S * = 52.64 r1 min = 0.76 r2 = 2.54 Collar H1 * = 8.66 H2 ¹⁾ = 8.44 Projectile G1 ¹⁾ = 7.90 G2 = F = L3+G ¹⁾ = 57.94 Pressures (Energies) Method Transducer Pmax = 2700 bar PK = 3105 bar PE = 3375 bar M = 25.00 EE = 2455 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 = 34.34 L2 = 37.65 L3 ¹⁾ = 52.65 Breech R ¹⁾ = 1.60 R1 = 13.08 R2 = R3 = r = Powder Chamber E = 1.60 P1 ¹⁾ = 11.33 P2 * = 10.64 Junction Cone α * = 32° S * = 52.89 r1 max = 0.76 r2 = 5.08 Collar H1 * = 8.74 H2 ¹⁾ = 8.55 Commencement of Rifling G1 ¹⁾ * = 7.92 G ¹⁾ = 6.76 α1 * = 101°34'12" h = 0.26 s = i ¹⁾ * = 1°19'20" w = Barrel F ¹⁾ * = 7.62 Z ¹⁾ = 7.82 Grooves b = 2.54 N = 6 u = 254.00 Q = 47.16 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.			

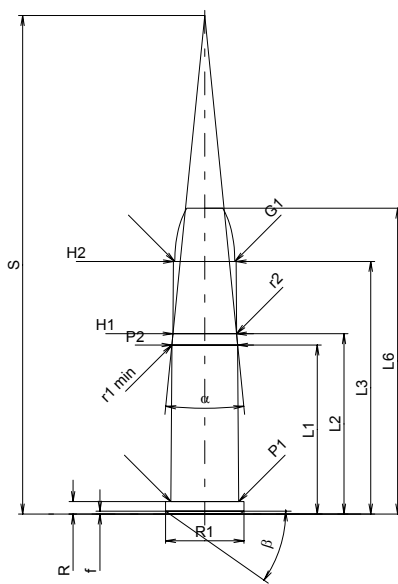
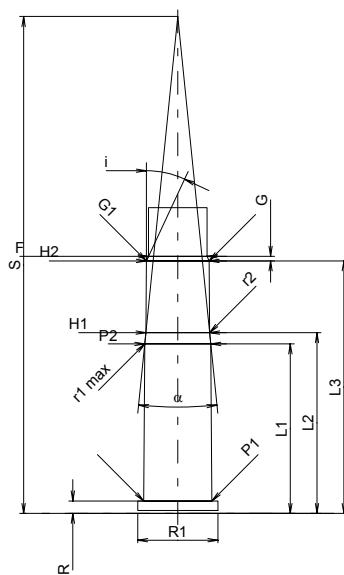
C.I.P.	303 Sporting	TAB.	II
		Date	00-11-13
		Revision	02-05-15
Country of Origin: FR			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 41.85 L2 * = 44.39 L3 1) = 52.82 L4 = L5 = L6 = 74.49 Case Head R 1) = 1.63 R1 = 13.92 R3 = E = E1 = e min = δ = f = 0.40 β = 45° Powder Chamber P1 = 11.70 P2 * = 10.19 Junction Cone α = 33°56'08" S = 58.55 r1 min = 2.29 r2 = 2.29 Collar H1 * = 8.64 H2 1) = 8.59 Projectile G1 1) = 7.92 G2 = F = L3+G 1) = 67.45 Pressures (Energies) Method Transducer Pmax = 3300 bar PK = 3795 bar PE = 4125 bar M = 25.00 EE = 2800 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 42.42 L2 * = 44.44 L3 1) = 52.82 Breech R 1) = 1.63 R1 = 13.97 R2 = R3 = r = Powder Chamber E = P1 1) = 11.74 P2 * = 10.25 Junction Cone α = 40°29'20" S = 56.32 r1 max = r2 = Collar H1 * = 8.76 H2 1) = 8.66 Commencement of Rifling G1 1)* = 7.93 G 1)* = 14.63 αl = 19°00'36" h * = 2.18 s = i 1) = 0°31'45" w = Barrel F 1)* = 7.70 Z 1) = 7.98 Grooves b = 2.12 N = 5 u = 254.00 Q = 48.07 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix R 1.		Notes: 1) Check for safety reasons * Basic dimensions	

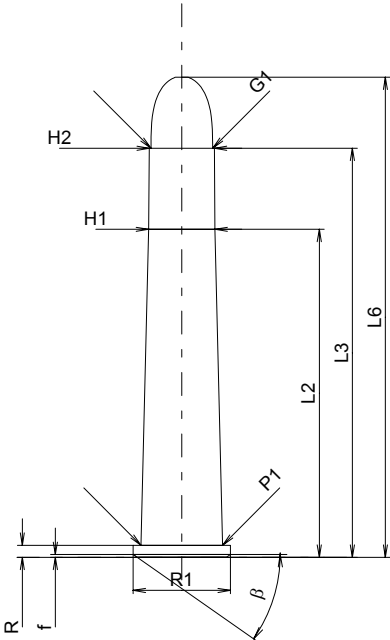
C.I.P.	307 Win.	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 39.62 L2 = 43.48 L3 ¹⁾ = 51.18 L4 = L5 = L6 = 65.02 Case Head R ¹⁾ = 1.60 -0.25 R1 = 12.85 R3 = E = 3.72 E1 = 10.41 e min = 0.46 δ = 25° f = 0.38 β = 35° Powder Chamber P1 = 11.96 P2 [*] = 11.53 Junction Cone α^* = 40° S [*] = 55.46 r1 min = 0.76 r2 = 3.18 Collar H1 [*] = 8.72 H2 ¹⁾ = 8.72 Projectile G1 ¹⁾ = 7.85 G2 = F = L3+G ¹⁾ = 58.16 Pressures (Energies) Method Transducer Pmax = 4150 bar PK = 4773 bar PE = 5190 bar M = 25.00 EE = 2825 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 δ L =	Lengths L1 = 39.68 L2 = 43.48 L3 ¹⁾ = 51.44 Breech R ¹⁾ = 1.60 R1 = 12.88 R2 = R3 = r = Powder Chamber E = 3.72 P1 ¹⁾ = 12.01 P2 [*] = 11.56 Junction Cone α^* = 40° S [*] = 55.56 r1 max = 0.76 r2 = 3.68 Collar H1 [*] = 8.79 H2 ¹⁾ = 8.74 Commencement of Rifling G1 ¹⁾ * = 7.87 G ¹⁾ = 6.98 $\alpha 1^*$ = 71°25'48" h = 0.60 s = 2.89 i ¹⁾ * = 1°45' w = Barrel F ¹⁾ * = 7.62 Z ¹⁾ = 7.82 Grooves b = 4.47 N = 4 u = 305.00 Q = 47.51 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.			

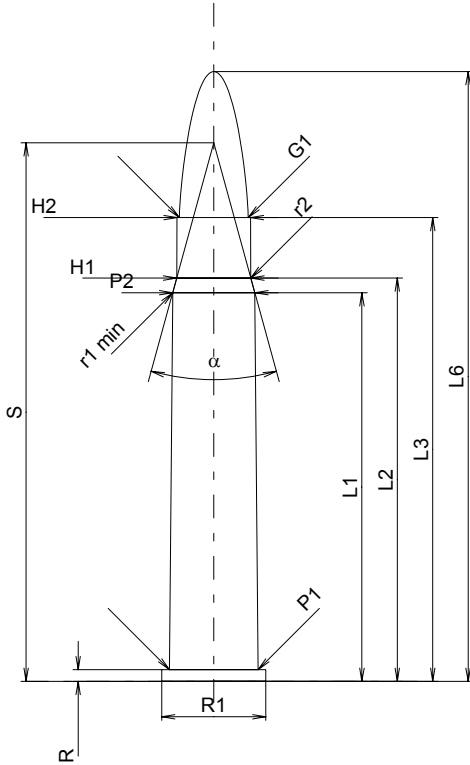
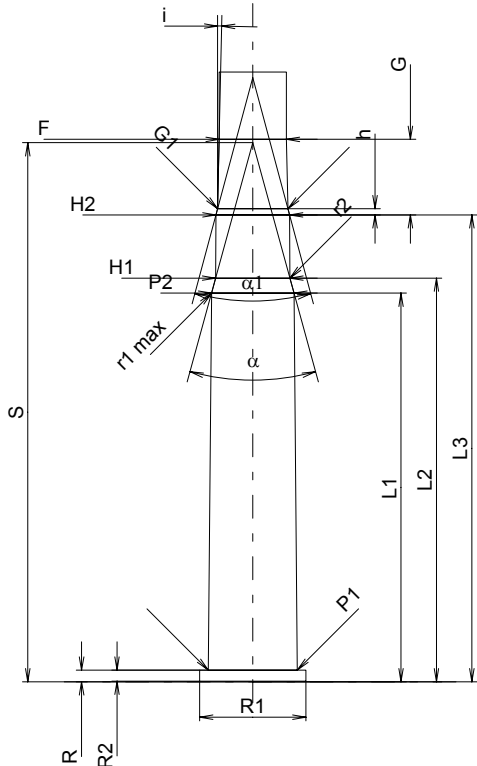
C.I.P.	310 Cadet Rifle	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 28.45 L4 = L5 = L6 = 40.64 Case Head R ¹⁾ = 1.09 -0.25 R1 = 10.41 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 9.02 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.31 Projectile G1 ¹⁾ = 8.20 G2 = F = L3+G ¹⁾ = 35.20 Pressures (Energies) Method Transducer Pmax = 1100 bar PK = 1265 bar PE = 1375 bar M = 17.50 EE = 680 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 28.70 Breech R ¹⁾ = 1.12 R1 = 10.54 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.04 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.33 Commencement of Rifling G1 ^{1)*} = 8.25 G ^{1)*} = 6.75 α1 = 180° h = s = i ¹⁾ = 1°29'06" w = Barrel F ^{1)*} = 7.90 Z ¹⁾ = 8.18 Grooves b = N = u = 508.00 Q = 49.02 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	

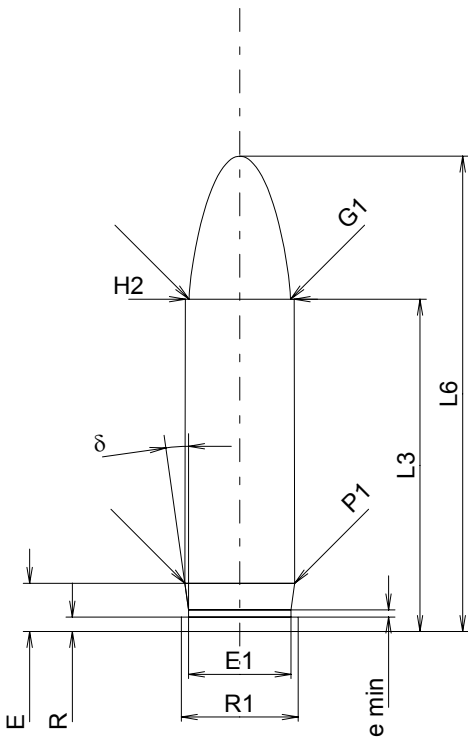
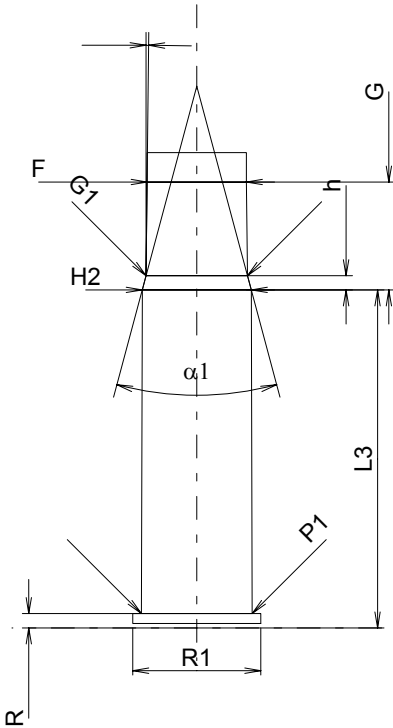
C.I.P.	32 Win. SL	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 32.77 L4 = L5 = L6 = 47.75 Case Head R ¹⁾ = 1.27 -0.25 R1 = 9.91 R3 = E = 3.49 E1 = 8.64 e min = δ = 3°44'24" f = β = Powder Chamber P1 = 8.93 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.81 Projectile G1 ¹⁾ = 8.18 G2 = F = L3+G ¹⁾ = 42.22 Pressures (Energies) Method Transducer Pmax = 1550 bar PK = 1783 bar PE = 1940 bar M = 17.50 EE = 1080 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 33.60 Breech R ¹⁾ = 1.27 R1 = 10.41 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.05 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.88 Commencement of Rifling G1 ^{1)*} = 8.19 G ¹⁾ = 9.45 α1 * = 180° h = s = i ^{1)*} = 0°34'32" w = Barrel F ^{1)*} = 8.00 Z ¹⁾ = 8.13 Grooves b = 2.51 N = 6 u = 406.00 Q = 51.26 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.	32 Win. Spec. Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = 36.72 L2 = 39.47 L3 ¹⁾ = 51.82 L4 = L5 = L6 = 65.15 Case Head R ¹⁾ = 1.60 -0.25 R1 = 12.85 R3 = E = E1 = e min = δ = f = 0.38 β = 45° Powder Chamber P1 = 10.72 P2 * = 10.20 Junction Cone α * = 29°01'59" S * = 56.42 r1 min = 3.81 r2 = 7.62 Collar H1 * = 8.78 H2 ¹⁾ = 8.71 Projectile G1 ¹⁾ = 8.18 G2 = F = L3+G ¹⁾ = 53.16 Pressures (Energies) Method Transducer Pmax = 3050 bar PK = 3508 bar PE = 3810 bar M = 25.00 EE = 2370 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 = 36.82 L2 = 39.56 L3 ¹⁾ = 52.91 Breech R ¹⁾ = 1.60 R1 = 13.11 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 10.74 P2 * = 10.24 Junction Cone α * = 29°28'01" S * = 56.29 r1 max = 3.81 r2 = 7.62 Collar H1 * = 8.80 H2 ¹⁾ = 8.72 Commencement of Rifling G1 ¹⁾ * = 8.72 G ¹⁾ = 1.34 α1 * = 180° h = s = i ¹⁾ * = 15° w = Barrel F ¹⁾ * = 8.00 Z ¹⁾ = 8.13 Grooves b = 2.69 N = 6 u = 406.00 Q = 51.33 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.			

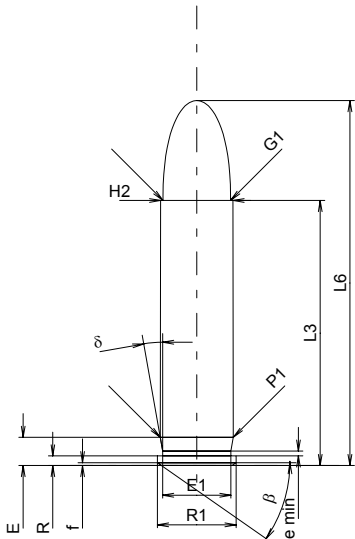
C.I.P.	32-20 Win.	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = 22.35 L2 = 23.85 L3 ¹⁾ = 33.40 L4 = L5 = L6 = 40.44 Case Head R ¹⁾ = 1.65 R1 = 10.36 R3 = E = E1 = e min = delta = f = 0.38 beta = 35° Powder Chamber P1 = 8.98 P2 * = 8.70 Junction Cone alpha * = 11°24' S * = 65.93 r1 min = 0.76 r2 = 2.54 Collar H1 * = 8.40 H2 ¹⁾ = 8.30 Projectile G1 ¹⁾ = 7.94 G2 = F = L3+G ¹⁾ = 34.00 Pressures (Energies) Method Transducer Pmax = 2100 bar PK = 2415 bar PE = 2625 bar M = 17.50 EE = 1560 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	CHAMBER MINI Lengths L1 = 22.42 L2 = 23.91 L3 ¹⁾ = 33.40 Breech R ¹⁾ = 1.65 R1 = 10.62 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.00 P2 * = 8.72 Junction Cone alpha * = 11°30' S * = 65.72 r1 max = 0.76 r2 = 8.13 Collar H1 * = 8.42 H2 ¹⁾ = 8.31 Commencement of Rifling G1 ¹⁾ * = 8.31 G ¹⁾ = 0.60 alpha l = h = s = i ¹⁾ * = 25° w = Barrel F ¹⁾ * = 7.75 Z ¹⁾ = 7.90 Grooves b = 2.43 N = 6 u = 508.00 Q = 48.28 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.			

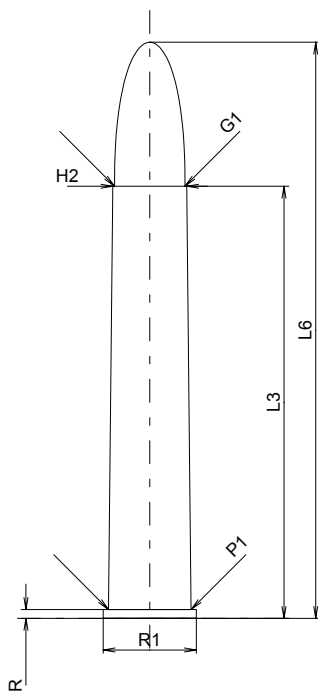
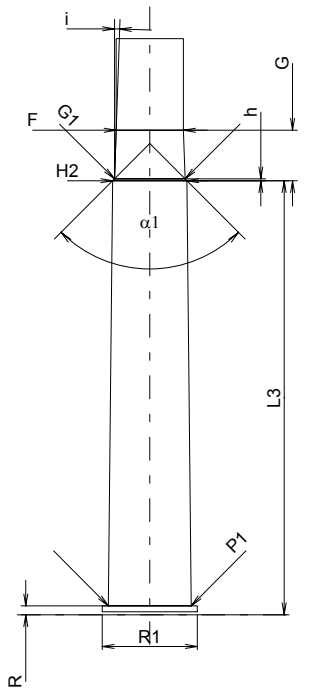
C.I.P.	32-40 Win. Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = L2 = 43.38 L3 ¹⁾ = 54.10 L4 = L5 = L6 = 63.50 Case Head R ¹⁾ = 1.60 -0.25 R1 = 12.85 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 10.77 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 * = 8.78 H2 ¹⁾ = 8.61 Projectile G1 ¹⁾ = 8.15 G2 = F = L3+G ¹⁾ = 54.89 Pressures (Energies) Method Transducer Pmax = 2350 bar PK = 2703 bar PE = 2940 bar M = 25.00 EE = 1105 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 = L2 = 43.38 L3 ¹⁾ = 55.07 Breech R ¹⁾ = 1.60 R1 = 13.11 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 10.79 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 * = 8.81 H2 ¹⁾ = 8.62 Commencement of Rifling G1 ^{1)*} = 8.62 G ¹⁾ = 0.79 α1 * = 43° h = 0.40 s = i ^{1)*} = 21°30' w = Barrel F ^{1)*} = 8.00 Z ¹⁾ = 8.13 Grooves b = 2.51 N = 6 u = 406.00 Q = 51.26 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.	35 Win. Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 51.40 L2 = 53.34 L3 ¹⁾ = 61.34 L4 = L5 = L6 = 80.65 Case Head R ¹⁾ = 1.55 -0.25 R1 = 13.79 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 11.72 P2 [*] = 10.86 Junction Cone α [*] = 30°37'59" S [*] = 71.23 r1 min = 3.81 r2 = 3.81 Collar H1 [*] = 9.80 H2 ¹⁾ = 9.71 Projectile G1 ¹⁾ = 9.12 G2 = F = L3+G ¹⁾ = 71.33 Pressures (Energies) Method Transducer Pmax = 3050 bar PK = 3508 bar PE = 3810 bar M = 25.00 EE = 4145 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = 51.40 L2 = 53.39 L3 ¹⁾ = 61.75 Breech R ¹⁾ = 1.55 R1 = 14.05 R2 = 1.47 R3 = r = Powder Chamber E = P1 ¹⁾ = 11.76 P2 [*] = 10.90 Junction Cone α [*] = 30°37'58" S [*] = 71.30 r1 max = 3.81 r2 = 3.81 Collar H1 [*] = 9.81 H2 ¹⁾ = 9.73 Commencement of Rifling G1 ¹⁾ [*] = 9.29 G ¹⁾ = 9.99 α1 [*] = 30° h = 0.82 s = i ¹⁾ [*] = 1°15' w = Barrel F ¹⁾ [*] = 8.89 Z ¹⁾ = 9.09 Grooves b = N = u = 355.00 Q = 63.77 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.	35 Win. SL	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 29.31 L4 = L5 = L6 = 41.91 Case Head R ¹⁾ = 1.27 -0.25 R1 = 10.29 R3 = E = 4.26 E1 = 9.02 e min = 0.64 δ = 8° f = β = Powder Chamber P1 = 9.68 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.58 Projectile G1 ¹⁾ = 8.95 G2 = F = L3+G ¹⁾ = 38.82 Pressures (Energies) Method Transducer Pmax = 2400 bar PK = 2760 bar PE = 3000 bar M = 17.50 EE = 1150 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 29.81 Breech R ¹⁾ = 1.27 R1 = 11.30 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.77 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.62 Commencement of Rifling G1 ^{1)*} = 8.95 G ¹⁾ = 9.51 α1 [*] = 30° h = 1.25 s = i ^{1)*} = 0°39'31" w = Barrel F ^{1)*} = 8.76 Z ¹⁾ = 8.92 Grooves b = 2.75 N = 6 u = 406.00 Q = 61.61 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.	350 No. 2 Rigby Country of Origin: GB	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 * = 53.34 L2 * = 57.15 L3 ¹⁾ = 69.88 L4 = L5 = L6 = 93.73 Case Head R ¹⁾ = 1.27 -0.25 R1 = 13.46 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 11.96 P2 * = 10.64 Junction Cone α = 13°37'13" S = 97.89 r1 min = 8.13 r2 = 8.13 Collar H1 * = 9.73 H2 ¹⁾ = 9.70 Projectile G1 ¹⁾ = 9.04 G2 = F = L3+G ¹⁾ = 80.51 Pressures (Energies) Method Transducer Pmax = 3300 bar PK = 3795 bar PE = 4125 bar M = 25.00 EE = 4900 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 * = 53.37 L2 * = 57.18 L3 ¹⁾ = 70.13 Breech R ¹⁾ = 1.30 R1 = 13.72 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.99 P2 * = 10.67 Junction Cone α = 13°46'08" S = 97.56 r1 max = r2 = Collar H1 * = 9.75 H2 ¹⁾ = 9.73 Commencement of Rifling G1 ¹⁾ * = 9.10 G ¹⁾ * = 10.63 α1 = 90° h * = 0.32 s = i ¹⁾ = 1°15' w = Barrel F ¹⁾ * = 8.65 Z ¹⁾ = 9.00 Grooves b = N = u = 304.00 Q = 58.77 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.	351 Win. SL	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 35.05 L4 = L5 = L6 = 48.26 Case Head R ¹⁾ = 1.27 -0.25 R1 = 10.41 R3 = E = 3.72 E1 = 9.02 e min = 0.64 δ = 10° f = 0.38 β = 35° Powder Chamber P1 = 9.66 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.58 Projectile G1 ¹⁾ = 8.94 G2 = F = L3+G ¹⁾ = 44.73 Pressures (Energies) Method Transducer Pmax = 3650 bar PK = 4198 bar PE = 4560 bar M = 17.50 EE = 1330 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 35.07 Breech R ¹⁾ = 1.27 R1 = 11.77 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.86 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.71 Commencement of Rifling G1 ¹⁾ * = 8.95 G ¹⁾ = 9.68 α1 * = 30° h = 1.42 s = i ¹⁾ * = 0°39'31" w = Barrel F ¹⁾ * = 8.76 Z ¹⁾ = 8.92 Grooves b = 2.75 N = 6 u = 406.00 Q = 61.61 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.	360 N.E. 2 "1/4	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 57.15 L4 = L5 = L6 = 76.20 Case Head R ¹⁾ = 1.17 -0.25 R1 = 12.32 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 10.92 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.80 Projectile G1 ¹⁾ = 9.32 G2 = F = L3+G ¹⁾ = 63.83 Pressures (Energies) Method Transducer Pmax = 2450 bar PK = 2818 bar PE = 3060 bar M = 25.00 EE = 2285 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 57.40 Breech R ¹⁾ = 1.19 R1 = 12.57 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 10.95 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.83 Commencement of Rifling G1 ¹⁾ * = 9.35 G ¹⁾ * = 6.68 α1 = 90° h * = 0.24 s = i ¹⁾ = 2°00'02" w = Barrel F ¹⁾ * = 8.90 Z ¹⁾ = 9.30 Grooves b = N = u = 508.00 Q = 62.21 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.

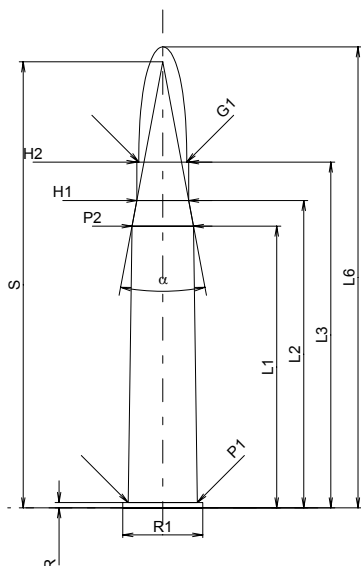
369 N.E. Purdey

TAB. II

Date 84-06-14

Revision 02-05-15

Country of Origin: GB



CARTRIDGE MAXI

Lengths

L1 *	=	55.88
L2 *	=	60.96
L3 ¹⁾	=	68.58
L4	=	
L5	=	
L6	=	91.44

Case Head

R ¹⁾	=	1.07	-0.25
R1	=	15.85	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	13.74
P2 *	=	12.19

Junction Cone

α	=	21°11'05"
S	=	88.47
r1 min	=	
r2	=	

Collar

H1 *	=	10.29
H2 ¹⁾	=	10.29

Projectile

G1 ¹⁾	=	9.52
G2	=	
F	=	
L3+G ¹⁾	=	78.12

Pressures (Energies)

Method Transducer

Pmax	=	3050 bar
PK	=	3508 bar
PE	=	3810 bar
M	=	25.00
EE	=	4130 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	55.91
L2 *	=	60.99
L3 ¹⁾	=	68.83

Breech

R ¹⁾	=	1.09
R1	=	16.10
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	13.77
P2 *	=	12.22

Junction Cone

α	=	21°17'38"
S	=	88.41
r1 max	=	
r2	=	

Collar

H1 *	=	10.31
H2 ¹⁾	=	10.31

Commencement of Rifling

G1 ¹⁾ *	=	9.55
G ¹⁾ *	=	9.54
α1	=	90°
h *	=	0.38
s	=	
i ¹⁾	=	1°15'02"
w	=	

Barrel

F ¹⁾ *	=	9.15
Z ¹⁾	=	9.50

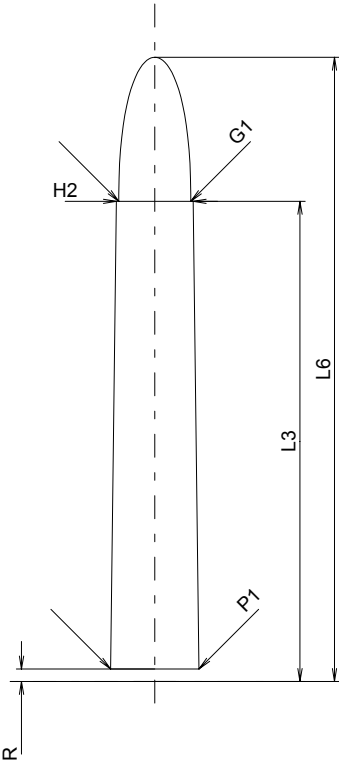
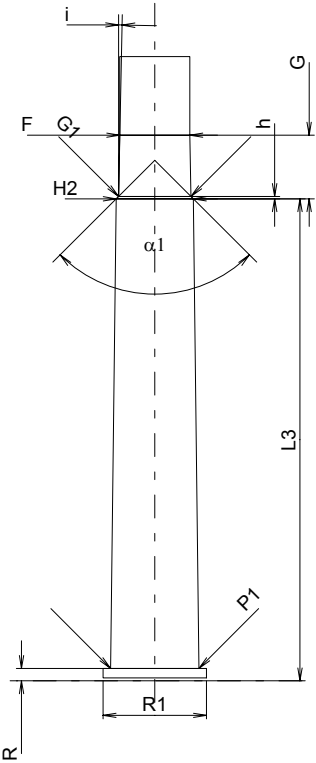
Grooves

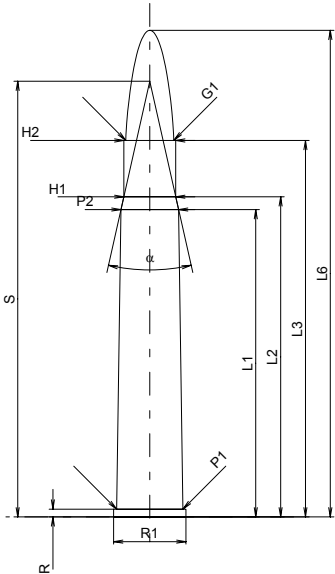
b	=	
N	=	
u	=	406.00
Q	=	65.76 mm ²

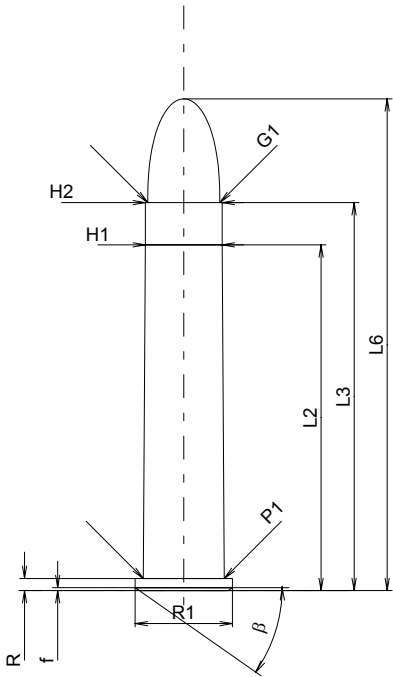
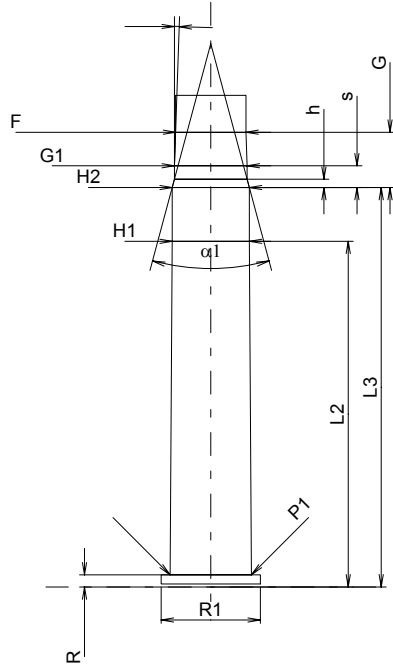
Scale 1:1.5

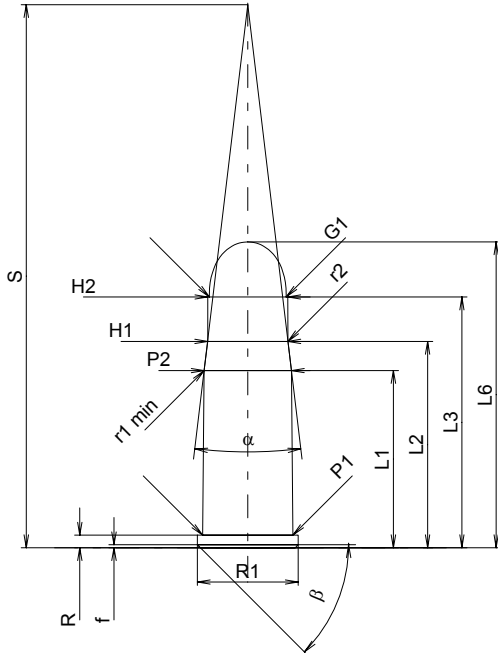
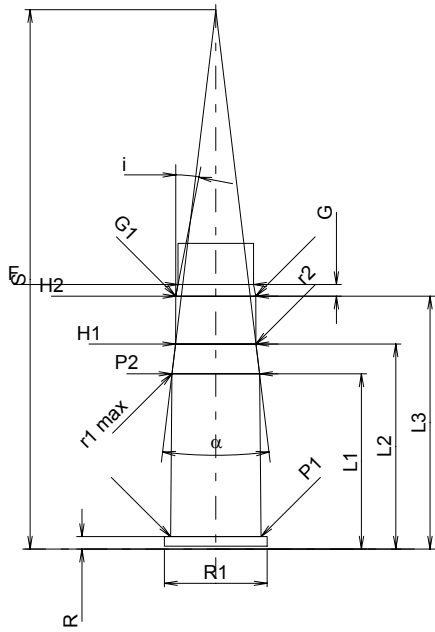
Dimensions in << mm >>
 Dimensions and Tolerances for Proof Barrels
 see Appendix CR 1.

Notes: 1) Check for safety reasons
 * Basic dimensions

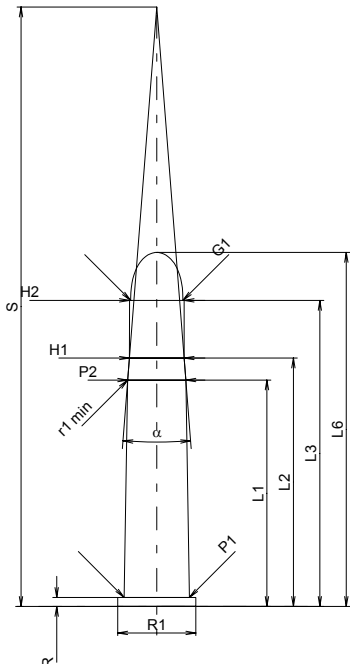
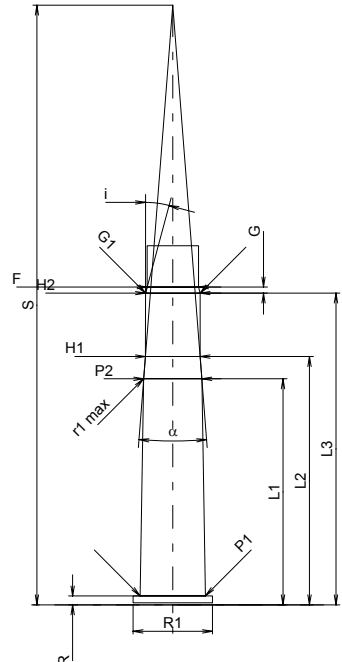
C.I.P.	375 FI. N.E. 2"1/2	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 63.50 L4 = L5 = L6 = 82.55 Case Head R ¹⁾ = 1.65 -0.25 R1 = R3 = E = E1 = e min = δ = f = β = 45° Powder Chamber P1 = 11.68 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 10.19 Projectile G1 ¹⁾ = 9.52 G2 = F = L3+G ¹⁾ = 71.92 Pressures (Energies) Method Transducer Pmax = 2200 bar PK = 2530 bar PE = 2750 bar M = 25.00 EE = 3220 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 63.75 Breech R ¹⁾ = 1.65 R1 = 13.67 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.68 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 10.21 Commencement of Rifling G1 ^{1)*} = 9.58 G ^{1)*} = 8.42 α1 = 90° h [*] = 0.32 s = i ¹⁾ = 1°10' w = Barrel F ^{1)*} = 9.25 Z ¹⁾ = 9.50 Grooves b = N = u = 475.00 Q = 67.20 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	

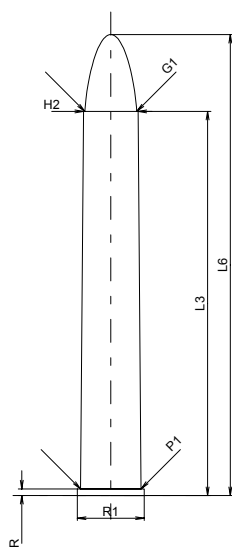
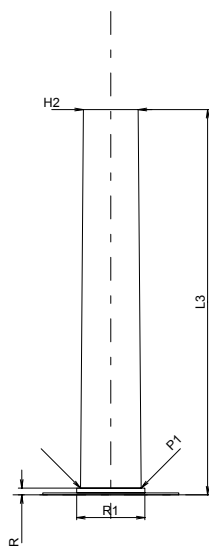
C.I.P.	375 Fl. Mag. N.E.	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI Lengths L1 * = 60.96 L2 * = 63.50 L3 1) = 74.68 L4 = L5 = L6 = 96.52 Case Head R 1) = 1.52 -0.25 R1 = 14.35 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 13.13 P2 * = 11.43 Junction Cone alpha = 25°17'47" S = 86.43 r1 min = r2 = Collar H1 * = 10.29 H2 1) = 10.29 Projectile G1 1) = 9.52 G2 = F = L3+G 1) = 83.15 Pressures (Energies) Method Transducer Pmax = 3250 bar PK = 3738 bar PE = 4060 bar M = 25.00 EE = 5925 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	CHAMBER MINI Lengths L1 * = 60.99 L2 * = 63.53 L3 1) = 74.93 Breech R 1) = 1.55 R1 = 14.78 R2 = R3 = r = Powder Chamber E = P1 1) = 13.16 P2 * = 11.46 Junction Cone alpha = 25°30'39" S = 86.30 r1 max = r2 = Collar H1 * = 10.31 H2 1) = 10.31 Commencement of Rifling G1 1)* = 9.58 G 1)* = 8.47 alpha1 = 90° h * = 0.37 s = i 1) = 1°10' w = Barrel F 1)* = 9.25 Z 1) = 9.50 Grooves b = N = u = 406.00 Q = 67.20 mm²	
	Scale 1:1.5	Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	375 Win. Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = L2 = 45.72 L3 ¹⁾ = 51.31 L4 = L5 = L6 = 65.02 Case Head R ¹⁾ = 1.60 -0.25 R1 = 12.85 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 10.71 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 [*] = 10.16 H2 ¹⁾ = 10.16 Projectile G1 ¹⁾ = 9.55 G2 = F = L3+G ¹⁾ = 58.62 Pressures (Energies) Method Transducer Pmax = 4400 bar PK = 5060 bar PE = 5500 bar M = 25.00 EE = 2930 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	CHAMBER MINI Lengths L1 = L2 = 45.72 L3 ¹⁾ = 52.83 Breech R ¹⁾ = 1.60 R1 = 13.11 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 10.74 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 [*] = 10.20 H2 ¹⁾ = 10.20 Commencement of Rifling G1 ¹⁾ * = 9.61 G ¹⁾ = 7.31 α1 [*] = 30° h = 1.10 s = 2.87 i ¹⁾ * = 2° w = Barrel F ¹⁾ * = 9.30 Z ¹⁾ = 9.55 Grooves b = 2.92 N = 6 u = 305.00 Q = 70.16 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.	38-40 Win. Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	52-05-15
	CARTRIDGE MAXI Lengths L1 = 23.42 L2 = 27.28 L3 ¹⁾ = 33.15 L4 = L5 = L6 = 40.44 Case Head R ¹⁾ = 1.65 -0.25 R1 = 13.34 R3 = E = E1 = e min = δ = f = 0.38 β = 45° Powder Chamber P1 = 11.93 P2 * = 11.54 Junction Cone α * = 13°36' S * = 71.81 r1 min = 17.53 r2 = 13.72 Collar H1 * = 10.62 H2 ¹⁾ = 10.58 Projectile G1 ¹⁾ = 10.17 G2 = F = L3+G ¹⁾ = 34.69 Pressures (Energies) Method Transducer Pmax = 1150 bar PK = 1323 bar PE = 1440 bar M = 17.50 EE = 1945 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	CHAMBER MINI Lengths L1 = 23.18 L2 = 27.12 L3 ¹⁾ = 33.45 Breech R ¹⁾ = 1.65 R1 = 13.59 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.96 P2 * = 11.60 Junction Cone α * = 13°43'58" S * = 71.34 r1 max = 17.53 r2 = 13.72 Collar H1 * = 10.65 H2 ¹⁾ = 10.61 Commencement of Rifling G1 ¹⁾ * = 10.61 G ¹⁾ = 1.54 α1 = 180° h = s = i ¹⁾ * = 11° w = Barrel F ¹⁾ * = 10.01 Z ¹⁾ = 10.16 Grooves b = 3.14 N = 6 u = 914.00 Q = 80.13 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.	380 Long Rifle	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 24.00 L4 = L5 = L6 = 34.04 Case Head R ¹⁾ = 1.32 -0.25 R1 = 11.05 R3 = E = E1 = e min = δ = f = β = 45° Powder Chamber P1 = 9.65 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 9.60 Projectile G1 ¹⁾ = 9.47 G2 = F = L3+G ¹⁾ = 31.23 Pressures (Energies) Method Transducer Pmax = 950 bar PK = 1093 bar PE = 1190 bar M = 17.50 EE = 412 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 24.26 Breech R ¹⁾ = 1.30 R1 = 11.18 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 9.68 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 9.63 Commencement of Rifling G1 ^{1)*} = 9.50 G ^{1)*} = 7.23 α1 = 90° h [*] = 0.07 s = i ¹⁾ = 2° w = Barrel F ^{1)*} = 9.00 Z ¹⁾ = 9.40 Grooves b = N = u = 508.00 Q = 63.62 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.	40-82 Win.	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = 44.91 L2 = 49.27 L3 ¹⁾ = 60.71 L4 = L5 = L6 = 70.23 Case Head R ¹⁾ = 1.78 -0.25 R1 = 15.49 R3 = E = E1 = e min = δ = f = β = 45° Powder Chamber P1 = 12.92 P2 [*] = 11.54 Junction Cone α [*] = 8°55' S [*] = 118.91 r1 min = 25.40 r2 = Collar H1 [*] = 10.86 H2 ¹⁾ = 10.85 Projectile G1 ¹⁾ = 10.35 G2 = F = L3+G ¹⁾ = 61.90 Pressures (Energies) Method Transducer Pmax = 1650 bar PK = 1898 bar PE = 2060 bar M = 25.00 EE = 1590 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	CHAMBER MINI Lengths L1 = 44.83 L2 = 49.25 L3 ¹⁾ = 61.85 Breech R ¹⁾ = 1.78 R1 = 15.75 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.95 P2 [*] = 11.56 Junction Cone α [*] = 8°55'01" S [*] = 118.96 r1 max = 25.00 r2 = Collar H1 [*] = 10.87 H2 ¹⁾ = 10.85 Commencement of Rifling G1 ¹⁾ [*] = 10.85 G ¹⁾ = 1.19 α1 [*] = 30° h = s = i ¹⁾ [*] = 15° w = Barrel F ¹⁾ [*] = 10.21 Z ¹⁾ = 10.36 Grooves b = 3.19 N = 6 u = 406.00 Q = 83.33 mm ²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	400 N.E. B.P. 3" Purdey	TAB. II	
		Date	84-06-14
		Revision	00-06-07
Country of Origin: GB			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 76.20 L4 = L5 = L6 = 91.44 Case Head R ¹⁾ = 1.32 -0.25 R1 = 13.26 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 11.99 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 10.85 Projectile G1 ¹⁾ = 10.29 G2 = F = L3+G = Pressures (Energies) Miscellaneous Dimensions Fe = delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 76.45 Breech R ¹⁾ = 1.35 R1 = 13.51 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.01 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 10.87 Commencement of Rifling G1 = G = α1 = h = s = i = w = Barrel F = Z = Grooves b = N = u = Q = mm ²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons	

C.I.P.

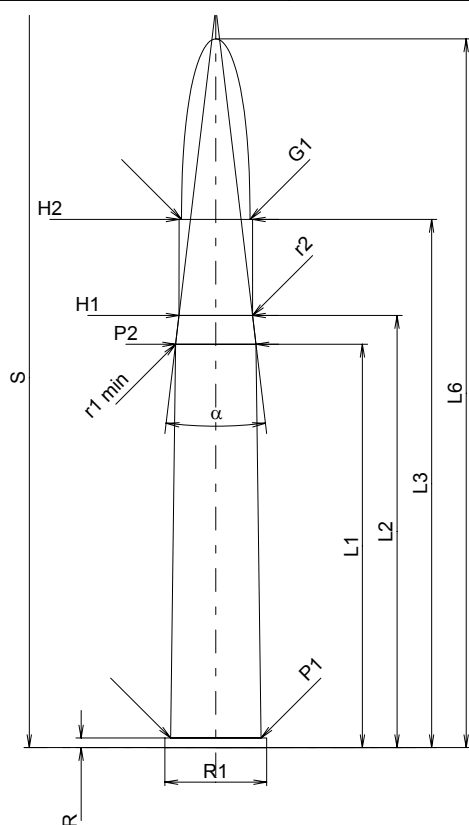
400/350 N.E.

TAB. II

Date 84-06-14

Revision 02-05-15

Country of Origin: GB



CARTRIDGE MAXI

Lengths

L1 *	=	53.34
L2 *	=	57.15
L3 ¹⁾	=	69.85
L4	=	
L5	=	
L6	=	93.73

Case Head

R ¹⁾	=	1.27	-0.25
R1	=	13.46	
R3	=		
E	=		
E1	=		
e min	=		
delta	=		
f	=		
beta	=		

Powder Chamber

P1	=	11.96
P2 *	=	10.64

Junction Cone

alpha	=	13°37'13"
S	=	97.89
r1 min	=	8.13
r2	=	8.13

Collar

H1 *	=	9.73
H2 ¹⁾	=	9.70

Projectile

G1 ¹⁾	=	9.04
G2	=	
F	=	
L3+G ¹⁾	=	80.48

Pressures (Energies)

Method Transducer

Pmax	=	2800 bar
PK	=	3220 bar
PE	=	3500 bar
M	=	25.00
EE	=	4292 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	53.37
L2 *	=	57.18
L3 ¹⁾	=	70.10

Breech

R ¹⁾	=	1.30
R1	=	13.72
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	11.99
P2 *	=	10.67

Junction Cone

alpha	=	13°46'08"
S	=	97.56
r1 max	=	
r2	=	

Collar

H1 *	=	9.75
H2 ¹⁾	=	9.73

Commencement of Rifling

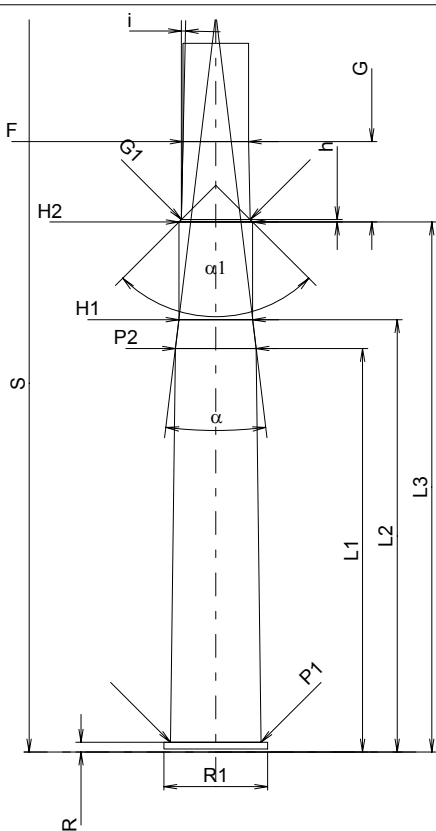
G1 ¹⁾ *	=	9.10
G ¹⁾ *	=	10.63
alpha1	=	90°
h *	=	0.32
s	=	
i ¹⁾	=	1°15'01"
w	=	

Barrel

F ¹⁾ *	=	8.65
Z ¹⁾	=	9.00

Grooves

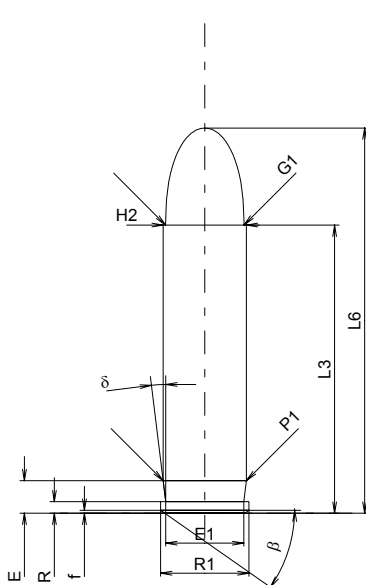
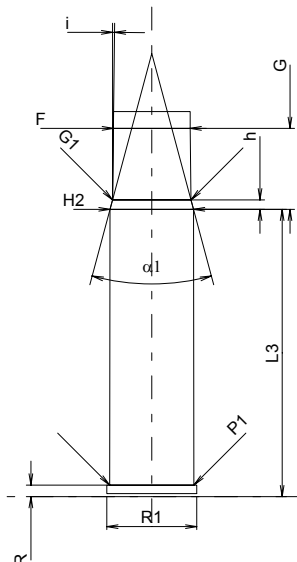
b	=	
N	=	
u	=	406.00
Q	=	58.77 mm²

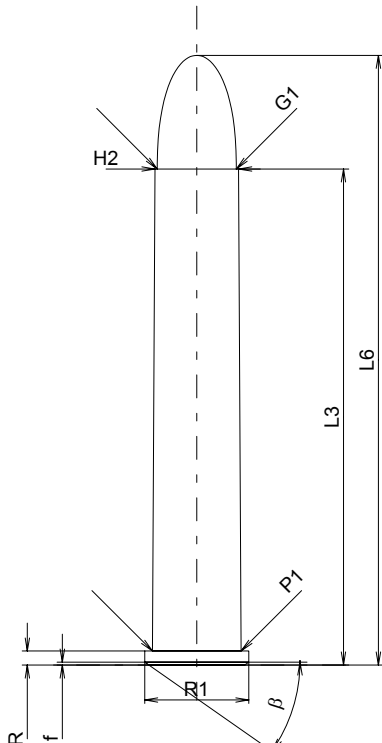
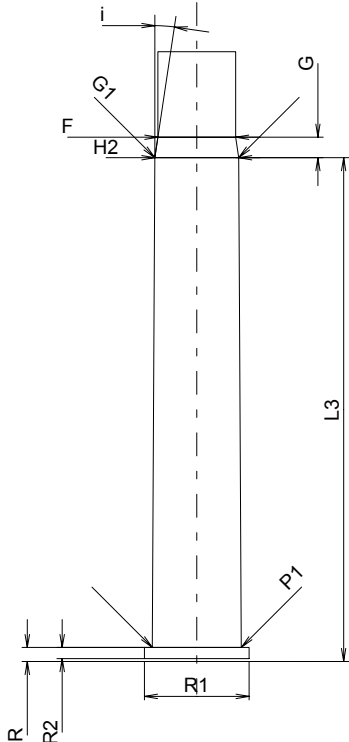


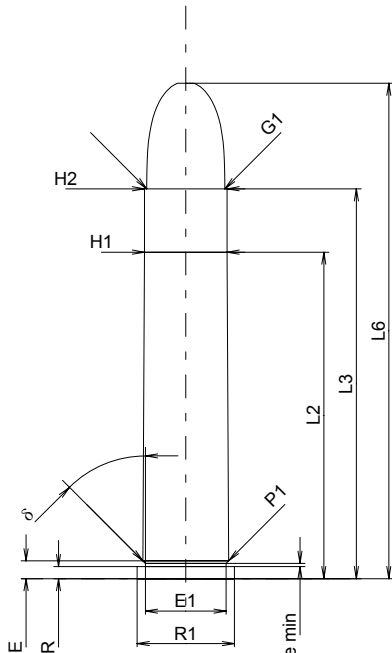
Scale 1:1

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

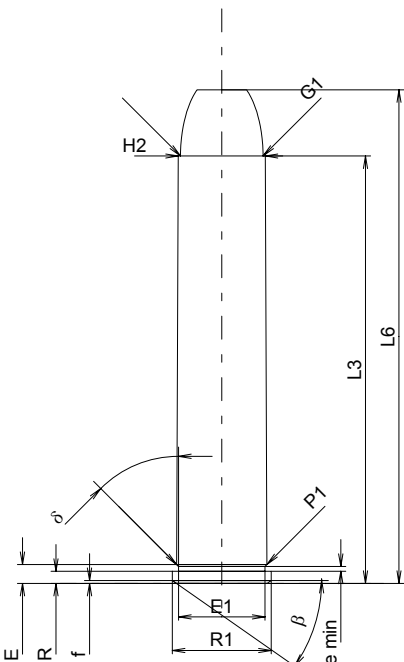
Notes: 1) Check for safety reasons
* Basic dimensions

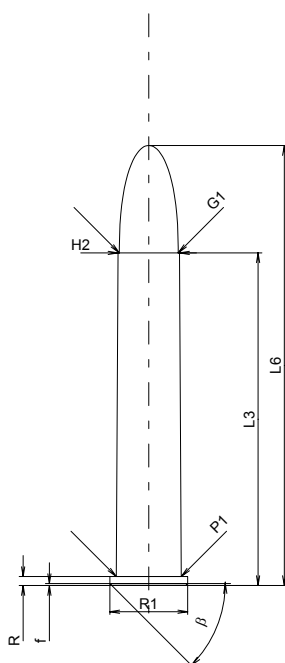
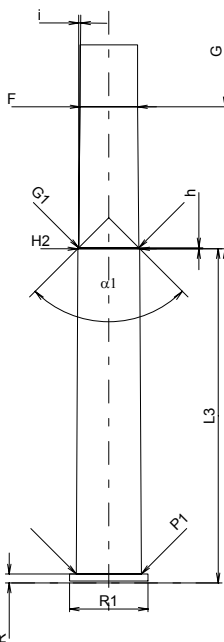
C.I.P.	401 Win. SL Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 38.10 L4 = L5 = L6 = 50.93 Case Head R ¹⁾ = 1.52 -0.25 R1 = 11.68 R3 = E = 4.30 E1 = 10.31 e min = δ = 7° f = 0.38 β = 35° Powder Chamber P1 = 11.00 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 10.99 Projectile G1 ¹⁾ = 10.34 G2 = F = L3+G ¹⁾ = 48.80 Pressures (Energies) Method Transducer Pmax = 2450 bar PK = 2818 bar PE = 3060 bar M = 25.00 EE = 2655 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 δ L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 38.00 Breech R ¹⁾ = 1.52 R1 = 11.91 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.13 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 11.05 Commencement of Rifling G1 ¹⁾ * = 10.38 G ¹⁾ = 10.70 α 1 * = 30° h = 1.25 s = i ¹⁾ * = 0°40' w = Barrel F ¹⁾ * = 10.16 Z ¹⁾ = 10.33 Grooves b = 3.19 N = 6 u = 406.00 Q = 82.73 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.			

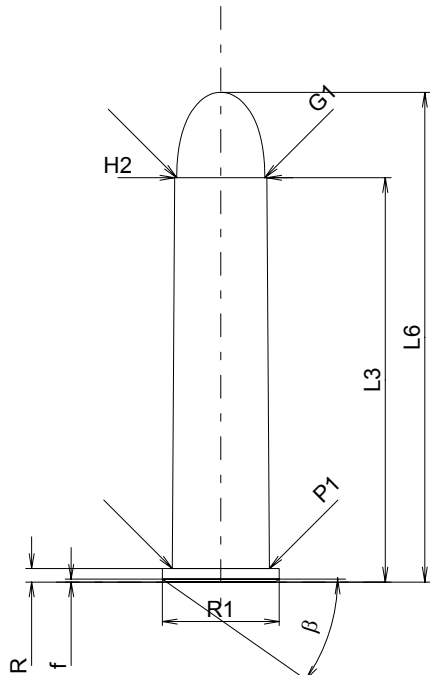
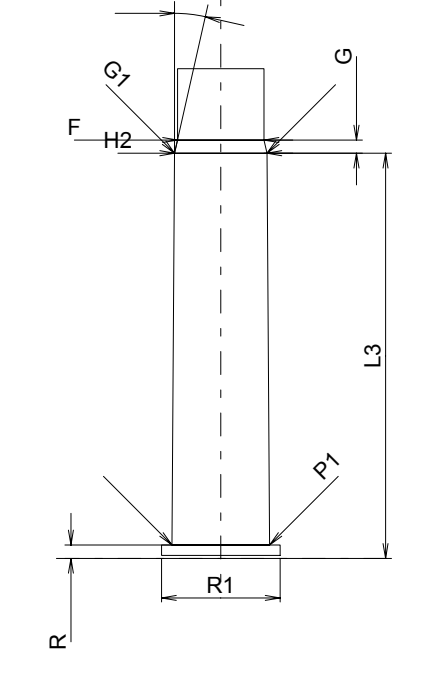
C.I.P.	405 Win. Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 65.61 L4 = L5 = L6 = 80.64 Case Head R ¹⁾ = 1.85 -0.25 R1 = 13.79 R3 = E = E1 = e min = δ = f = 0.40 β = 35° Powder Chamber P1 = 11.73 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 11.07 Projectile G1 ¹⁾ = 10.45 G2 = F = L3+G ¹⁾ = 68.32 Pressures (Energies) Method Transducer Pmax = 2450 bar PK = 2818 bar PE = 3060 bar M = 25.00 EE = 4490 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 66.62 Breech R ¹⁾ = 1.85 R1 = 13.85 R2 = 1.47 R3 = r = Powder Chamber E = P1 ¹⁾ = 11.76 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 11.10 Commencement of Rifling G1 ^{1)*} = 11.10 G ¹⁾ = 2.71 α1 = h = s = i ^{1)*} = 8°30' w = Barrel F ^{1)*} = 10.29 Z ¹⁾ = 10.49 Grooves b = 3.23 N = 6 u = 356.00 Q = 85.13 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.			

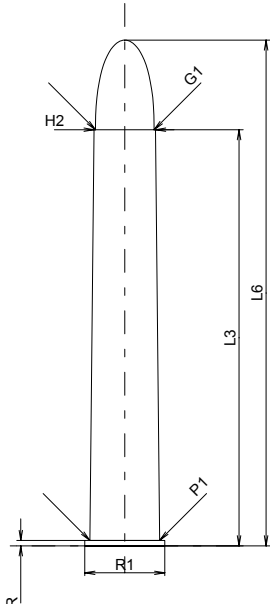
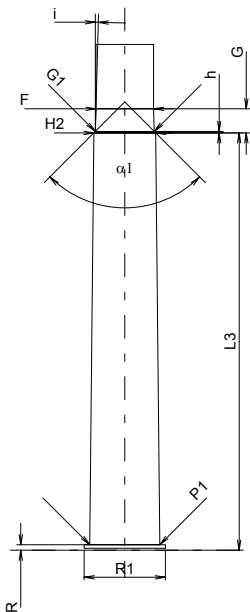
C.I.P.	408 Win. Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = L2 = 43.18 L3 ¹⁾ = 51.56 L4 = L5 = L6 = 65.53 Case Head R ¹⁾ = 1.60 -0.25 R1 = 12.85 R3 = E = 2.36 E1 = 10.67 e min = 0.43 δ = 45° f = β = Powder Chamber P1 = 11.33 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 * = 10.92 H2 ¹⁾ = 10.92 Projectile G1 ¹⁾ = 10.31 G2 = F = L3+G ¹⁾ = 58.14 Pressures (Energies) Method Transducer Pmax = 4100 bar PK = 4715 bar PE = 5125 bar M = 25.00 EE = 4190 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	CHAMBER MINI Lengths L1 = L2 = 43.18 L3 ¹⁾ = 52.20 Breech R ¹⁾ = 1.60 R1 = 12.88 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.39 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 * = 10.97 H2 ¹⁾ = 10.97 Commencement of Rifling G1 ^{1)*} = 10.38 G ¹⁾ = 6.58 α1 * = 30° h = 1.10 s = i ^{1)*} = 1°12'08" w = Barrel F ^{1)*} = 10.15 Z ¹⁾ = 10.33 Grooves b = 3.19 N = 6 u = 356.00 Q = 82.67 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.			

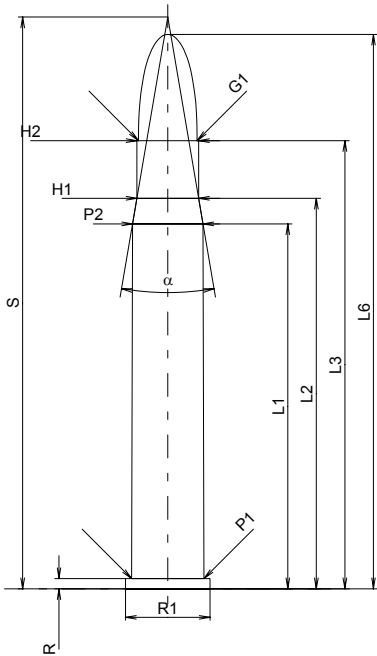
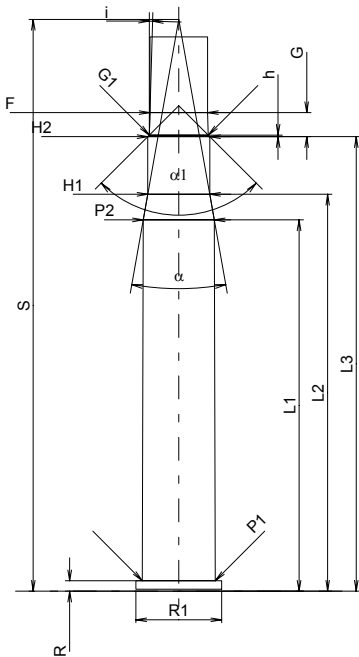
C.I.P.	44-40 Win.	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI		
	Lengths L1 = 23.58 L2 = 25.79 L3 ¹⁾ = 33.15 L4 = L5 = L6 = 40.44 Case Head R ¹⁾ = 1.65 -0.25 R1 = 13.34 R3 = E = E1 = e min = delta = f = 0.38 beta = 35° Powder Chamber P1 = 11.97 P2 * = 11.60 Junction Cone alpha * = 8° S * = 106.52 r1 min = 5.08 r2 = 5.08 Collar H1 * = 11.29 H2 ¹⁾ = 11.25 Projectile G1 ¹⁾ = 10.85 G2 = F = L3+G ¹⁾ = 37.31 Pressures (Energies) Method Transducer Pmax = 1100 bar PK = 1265 bar PE = 1375 bar M = 17.50 EE = 890 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		
	CHAMBER MINI		
	Lengths L1 = 23.32 L2 = 25.48 L3 ¹⁾ = 33.35 Breech R ¹⁾ = 1.65 R1 = 13.59 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.98 P2 * = 11.65 Junction Cone alpha * = 9° S * = 97.33 r1 max = 5.08 r2 = 5.08 Collar H1 * = 11.31 H2 ¹⁾ = 11.27 Commencement of Rifling G1 ¹⁾ * = 11.27 G ¹⁾ = 4.16 alpha 1 * = 180° h = s = i ¹⁾ * = 3°43' w = Barrel F ¹⁾ * = 10.73 Z ¹⁾ = 10.88 Grooves b = 3.37 N = 6 u = 914.00 Q = 91.97 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.			

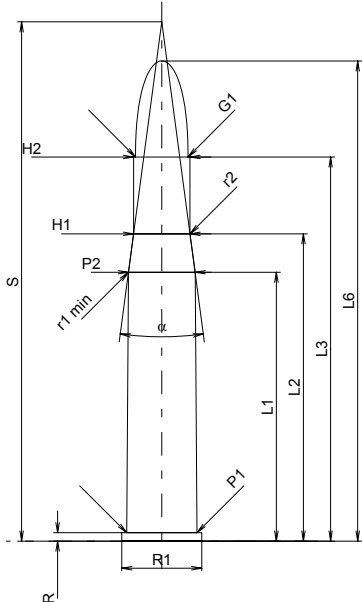
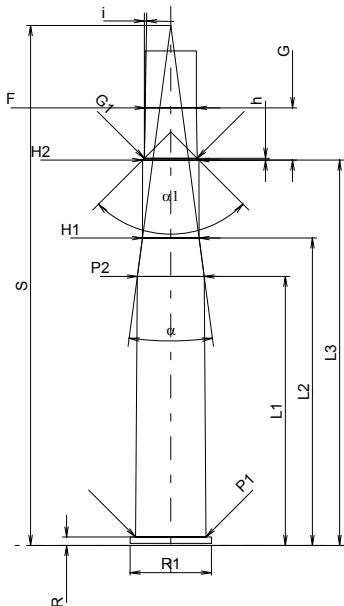
C.I.P.	444 Marlin Country of Origin: US	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 56.52 L4 = L5 = L6 = 65.28 Case Head R ¹⁾ = 1.60 -0.25 R1 = 13.06 R3 = E = 2.50 E1 = 11.43 e min = 0.64 δ = 45° f = 0.38 β = 35° Powder Chamber P1 = 11.95 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 11.51 Projectile G1 ¹⁾ = 10.93 G2 = F = L3+G ¹⁾ = 58.10 Pressures (Energies) Method Transducer Pmax = 3550 bar PK = 4083 bar PE = 4440 bar M = 25.00 EE = 3287 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 56.90 Breech R ¹⁾ = 1.60 R1 = 13.31 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 11.98 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 11.54 Commencement of Rifling G1 ^{1)*} = 11.00 G ¹⁾ = 1.58 α1 * = 90° h = 0.27 s = i ^{1)*} = 5° w = Barrel F ^{1)*} = 10.77 Z ¹⁾ = 10.92 Grooves b = 1.57 N = 12 u = 965.00 Q = 92.52 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.			

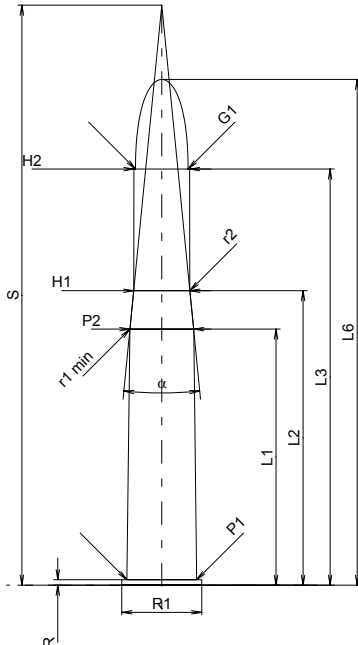
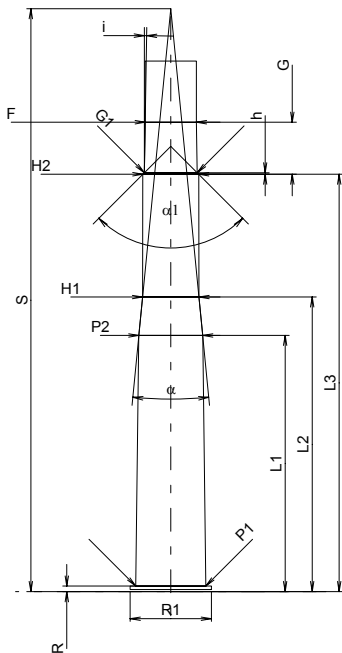
C.I.P.	45-70 Elko Mag.	TAB.	II
		Date	92-07-28
		Revision	02-05-15
Country of Origin: BE			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 66.00 L4 = L5 = L6 = 87.30 Case Head R ¹⁾ = 1.78 -0.25 R1 = 15.44 R3 = E = E1 = e min = δ = f = 0.38 β = 45° Powder Chamber P1 = 12.88 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.22 Projectile G1 ¹⁾ = 11.66 G2 = F = L3+G ¹⁾ = 94.15 Pressures (Energies) Method Transducer Pmax = 2950 bar PK = 3393 bar PE = 3690 bar M = 25.00 EE = 6400 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 66.30 Breech R ¹⁾ = 1.78 R1 = 15.60 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.91 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.27 Commencement of Rifling G1 ¹⁾ * = 11.91 G ¹⁾ * = 28.15 α1 = 90° h* = 0.18 s = i ¹⁾ = 0°29'30" w = Barrel F ¹⁾ * = 11.43 Z ¹⁾ = 11.58 Grooves b = 3.58 N = 6 u = 508.00 Q = 104.25 mm ²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

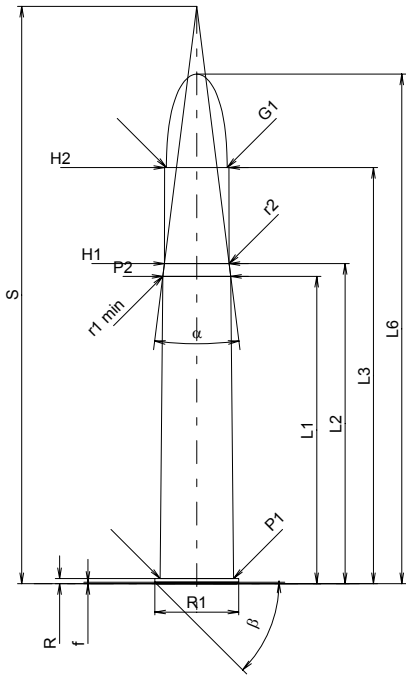
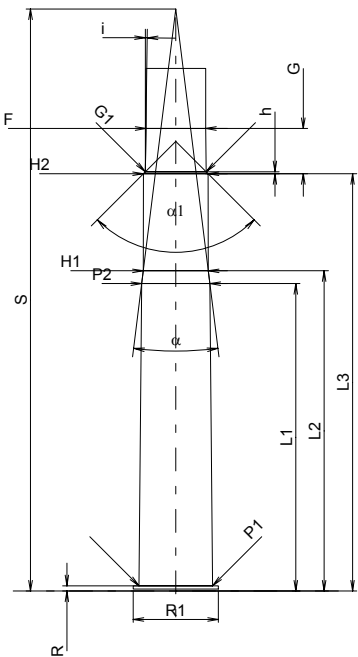
C.I.P.	45-70 Govt.	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 53.47 L4 = L5 = L6 = 64.77 Case Head R ¹⁾ = 1.78 -0.25 R1 = 15.44 R3 = E = E1 = e min = δ = f = 0.38 β = 35° Powder Chamber P1 = 12.84 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.19 Projectile G1 ¹⁾ = 11.63 G2 = F = L3+G ¹⁾ = 55.22 Pressures (Energies) Method Transducer Pmax = 2200 bar PK = 2530 bar PE = 2750 bar M = 25.00 EE = 3414 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 53.59 Breech R ¹⁾ = 1.78 R1 = 15.70 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 12.91 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.22 Commencement of Rifling G1 ^{1)*} = 12.22 G ¹⁾ = 1.75 α1 = h = s = i ^{1)*} = 12°45' w = Barrel F ^{1)*} = 11.43 Z ¹⁾ = 11.58 Grooves b = 3.58 N = 6 u = 508.00 Q = 104.25 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 N.E. 3" 1/4	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 82.55 L4 = L5 = L6 = 100.33 Case Head R ¹⁾ = 1.07 -0.25 R1 = 15.85 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 13.84 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 12.22 Projectile G1 ¹⁾ = 11.63 G2 = F = L3+G ¹⁾ = 87.32 Pressures (Energies) Method Transducer Pmax = 3050 bar PK = 3508 bar PE = 3810 bar M = 25.00 EE = 3070 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 82.80 Breech R ¹⁾ = 1.09 R1 = 16.10 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 13.87 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 12.24 Commencement of Rifling G1 ^{1)*} = 11.68 G ^{1)*} = 4.77 α1 = 90° h [*] = 0.28 s = i ¹⁾ = 1°35'41" w = Barrel F ^{1)*} = 11.43 Z ¹⁾ = 11.61 Grooves b = 3.56 N = 7 u = 381.00 Q = 104.89 mm²	
			
Scale 1:1.5			
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 No.2 N.E. 3"1/2 Eley	TAB.	II
		Date	98-01-27
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI Lengths L1 * = 72.39 L2 * = 77.47 L3 1) = 88.90 L4 = L5 = L6 = 109.98 Case Head R 1) = 2.03 -0.25 R1 = 16.76 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 14.35 P2 * = 13.97 Junction Cone α = 19°19'36" S = 113.41 r1 min = r2 = Collar H1 * = 12.24 H2 1) = 12.24 Projectile G1 1) = 11.63 G2 = F = L3+G 1) = 93.67 Pressures (Energies) Method Transducer Pmax = 2800 bar PK = 3220 bar PE = 3500 bar M = 25.00 EE = 7140 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	CHAMBER MINI Lengths L1 * = 73.66 L2 * = 78.74 L3 1) = 90.17 Breech R 1) = 2.08 R1 = 17.01 R2 = R3 = r = Powder Chamber E = P1 1) = 14.48 P2 * = 14.09 Junction Cone α = 20°05'34" S = 113.43 r1 max = r2 = Collar H1 * = 12.29 H2 1) = 12.29 Commencement of Rifling G1 1)* = 11.68 G 1)* = 4.77 α1 = 90° h * = 0.31 s = i 1) = 1°36'19" w = Barrel F 1)* = 11.43 Z 1) = 11.61 Grooves b = 3.56 N = 7 u = 381.00 Q = 104.89 mm²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	450/400 N.E. 3"	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 53.34 L2 * = 60.96 L3 1) = 76.20 L4 = L5 = L6 = 95.25 Case Head R 1) = 1.65 -0.25 R1 = 15.87 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 13.92 P2 * = 13.23 Junction Cone alpha = 15°10'27" S = 103.00 r1 min = 14.48 r2 = 14.48 Collar H1 * = 11.20 H2 1) = 11.18 Projectile G1 1) = 10.41 G2 = F = L3+G 1) = 86.58 Pressures (Energies) Method Transducer Pmax = 2800 bar PK = 3220 bar PE = 3500 bar M = 25.00 EE = 5310 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 53.37 L2 * = 60.99 L3 1) = 76.45 Breech R 1) = 1.68 R1 = 16.13 R2 = R3 = r = Powder Chamber E = P1 1) = 13.94 P2 * = 13.26 Junction Cone alpha 1) = 15°10'26" S = 103.14 r1 max = r2 = Collar H1 * = 11.23 H2 1) = 11.20 Commencement of Rifling G1 1)* = 10.50 G 1)* = 10.38 alpha1 = 90° h * = 0.35 s = i 1) = 0°58'14" w = Barrel F 1)* = 10.16 Z 1) = 10.41 Grooves b = 3.56 N = 7 u = 381.00 Q = 84.25 mm²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	Notes: 1) Check for safety reasons * Basic dimensions		

C.I.P.	450/400 Mag. N.E. 3"1/4	TAB. II	
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 50.80 L2 * = 58.42 L3 1) = 82.55 L4 = L5 = L6 = 100.33 Case Head R 1) = 1.07 -0.25 R1 = 15.85 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 13.84 P2 * = 12.65 Junction Cone α = 11°14'33" S = 115.06 r1 min = 19.56 r2 = 19.56 Collar H1 * = 11.15 H2 1) = 11.05 Projectile G1 1) = 10.41 G2 = F = L3+G 1) = 92.87 Pressures (Energies) Method Transducer Pmax = 2950 bar PK = 3393 bar PE = 3690 bar M = 25.00 EE = 6993 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 50.83 L2 * = 58.45 L3 1) = 82.80 Breech R 1) = 1.09 R1 = 16.10 R2 = R3 = r = Powder Chamber E = P1 1) = 13.87 P2 * = 12.67 Junction Cone α = 11°10'04" S = 115.63 r1 max = r2 = Collar H1 * = 11.18 H2 1) = 11.07 Commencement of Rifling G1 1)* = 10.50 G 1)* = 10.32 α l = 90° h * = 0.29 s = i 1) = 0°58'14" w = Barrel F 1)* = 10.16 Z 1) = 10.41 Grooves b = 3.56 N = 7 u = 381.00 Q = 84.25 mm²	
			
	Notes: 1) Check for safety reasons * Basic dimensions		
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	470 N.E.	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 60.96 L2 * = 63.50 L3 1) = 82.55 L4 = L5 = L6 = 101.09 Case Head R 1) = 1.02 -0.25 R1 = 16.64 R3 = E = E1 = e min = δ = f = 0.30 β = 45° Powder Chamber P1 = 14.55 P2 * = 13.49 Junction Cone α = 14°21'40" S = 114.50 r1 min = 6.35 r2 = 6.35 Collar H1 * = 12.85 H2 1) = 12.80 Projectile G1 1) = 12.04 G2 = F = L3+G 1) = 91.51 Pressures (Energies) Method Transducer Pmax = 2700 bar PK = 3105 bar PE = 3375 bar M = 25.00 EE = 6957 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 60.99 L2 * = 63.53 L3 1) = 82.80 Breech R 1) = 1.04 R1 = 16.89 R2 = R3 = r = Powder Chamber E = P1 1) = 14.58 P2 * = 13.51 Junction Cone α = 14°08'20" S = 115.46 r1 max = r2 = Collar H1 * = 12.88 H2 1) = 12.83 Commencement of Rifling G1 1)* = 12.10 G 1)* = 8.96 α1 = 90° h * = 0.37 s = i 1) = 0°50'01" w = Barrel F 1)* = 11.85 Z 1) = 12.05 Grooves b = 3.84 N = 7 u = 533.00 Q = 112.69 mm²	
			
Scale 1:1.5		Notes: 1) Check for safety reasons * Basic dimensions	
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

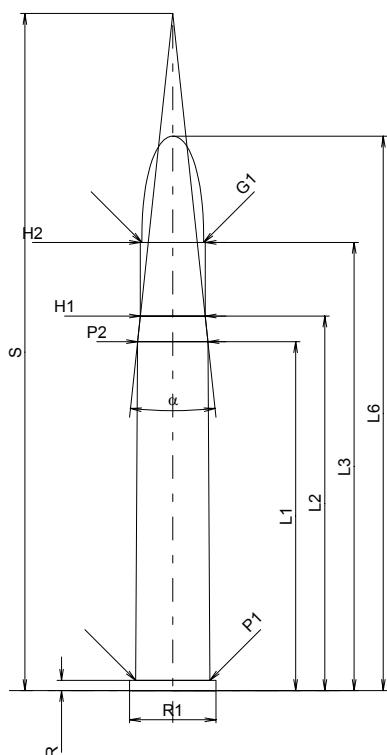
C.I.P.**475 No 2 N.E. 3"1/2**

Country of Origin: GB

TAB. II

Date 84-06-14

Revision 02-05-15

**CARTRIDGE MAXI****Lengths**

L1 *	=	69.21
L2 *	=	74.29
L3 ¹⁾	=	88.90
L4	=	
L5	=	
L6	=	109.98

Case Head

R ¹⁾	=	2.03	-0.25
R1	=	17.14	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	14.73
P2 *	=	13.97

Junction Cone

α	=	12°14'48"
S	=	134.32
r1 min	=	
r2	=	

Collar

H1 *	=	12.88
H2 ¹⁾	=	12.88

Projectile

G1 ¹⁾	=	12.27
G2	=	
F	=	
L3+G ¹⁾	=	96.54

Pressures (Energies)**Method Transducer**

Pmax	=	2750 bar
PK	=	3163 bar
PE	=	3440 bar
M	=	25.00
EE	=	6957 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI**Lengths**

L1 *	=	69.24
L2 *	=	74.32
L3 ¹⁾	=	89.15

Breech

R ¹⁾	=	2.06
R1	=	17.40
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	14.76
P2 *	=	14.00

Junction Cone

α	=	12°21'32"
S	=	133.89
r1 max	=	
r2	=	

Collar

H1 *	=	12.90
H2 ¹⁾	=	12.90

Commencement of Rifling

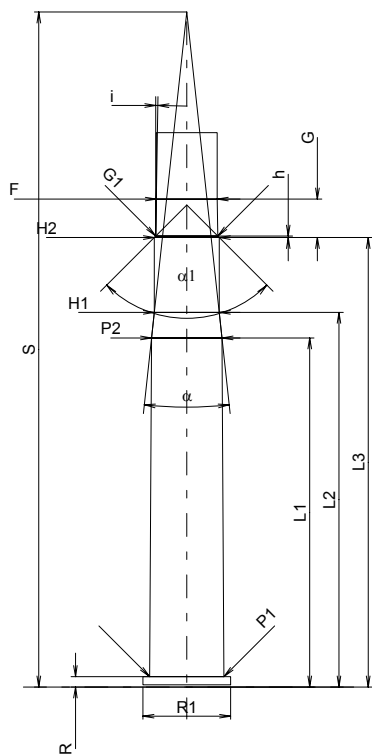
G1 ¹⁾ *	=	12.30
G ¹⁾ *	=	7.64
α1	=	90°
h *	=	0.30
s	=	
i ¹⁾	=	0°56'12"
w	=	

Barrel

F ¹⁾ *	=	12.06
Z ¹⁾	=	12.37

Grooves

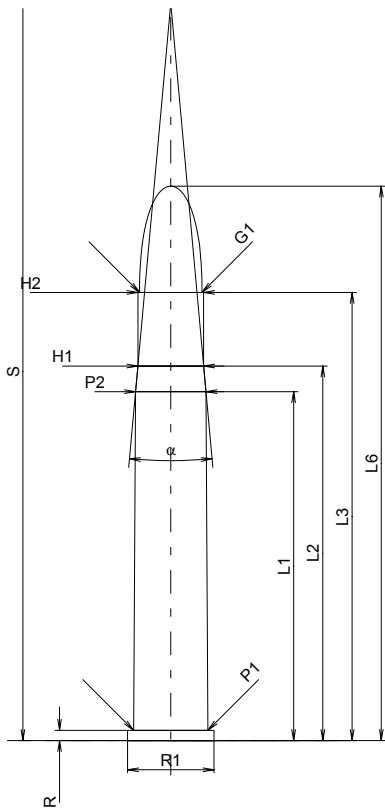
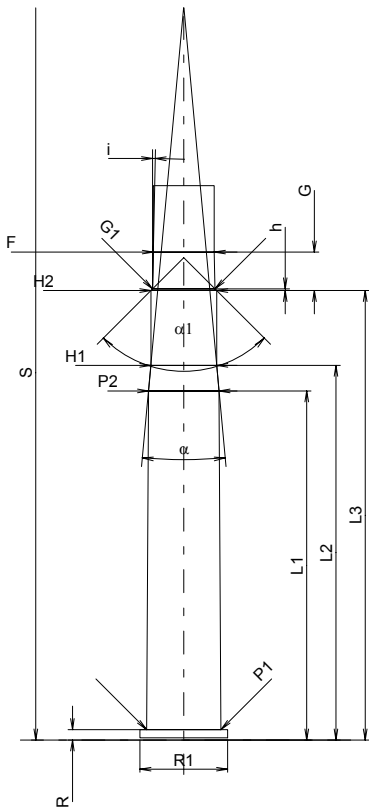
b	=	2.67
N	=	7
u	=	457.00
Q	=	117.15 mm ²

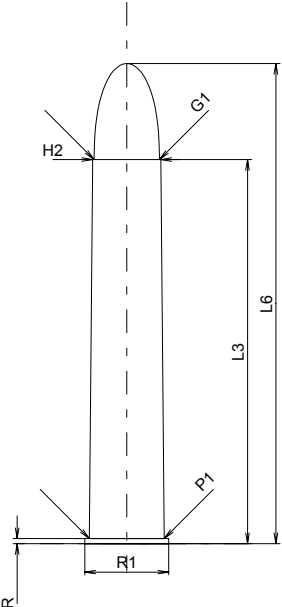
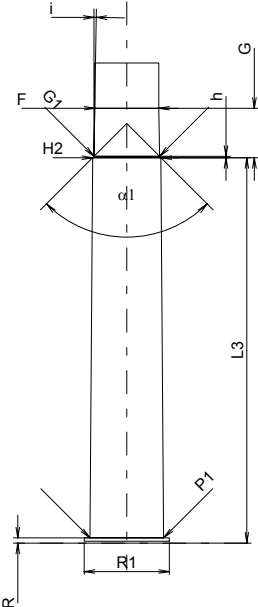


Scale 1:1.5

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

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.	475 N°2 N.E. 3"1/2 Jeffery	TAB.	II
		Date	98-01-27
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 69.21 L2 * = 74.29 L3 1) = 88.90 L4 = L5 = L6 = 109.98 Case Head R 1) = 2.03 -0.25 R1 = 17.14 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 14.73 P2 * = 13.97 Junction Cone α = 10°20'53" S = 146.35 r1 min = r2 = Collar H1 * = 13.05 H2 1) = 13.05 Projectile G1 1) = 12.39 G2 = F = L3+G 1) = 96.54 Pressures (Energies) Method Transducer Pmax = 2750 bar PK = 3163 bar PE = 3440 bar M = 25.00 EE = 6957 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 69.24 L2 * = 74.32 L3 1) = 89.15 Breech R 1) = 2.06 R1 = 17.40 R2 = R3 = r = Powder Chamber E = P1 1) = 14.76 P2 * = 14.00 Junction Cone α = 10°27'36" S = 145.71 r1 max = r2 = Collar H1 * = 13.07 H2 1) = 13.07 Commencement of Rifling G1 1)* = 12.42 G 1)* = 7.64 α1 = 90° h * = 0.33 s = i 1) = 1°12'53" w = Barrel F 1)* = 12.11 Z 1) = 12.42 Grooves b = 2.67 N = 7 u = 457.00 Q = 118.10 mm²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	500 N. E. 3"	TAB. II	
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI		CHAMBER MINI
	Lengths L1 = L2 = L3 ¹⁾ = 76.20 L4 = L5 = L6 = 95.25		Lengths L1 = L2 = L3 ¹⁾ = 76.45
	Case Head R ¹⁾ = 1.02 -0.25 R1 = 16.64 R3 = E = E1 = e min = delta = f = beta =		Breech R ¹⁾ = 1.04 R1 = 16.89 R2 = R3 = r =
	Powder Chamber P1 = 14.85 P2 =		Powder Chamber E = P1 ¹⁾ = 14.61 P2 =
	Junction Cone alpha = S = r1 min = r2 =		Junction Cone alpha = S = r1 max = r2 =
	Collar H1 = H2 ¹⁾ = 13.51		Collar H1 = H2 ¹⁾ = 13.54
	Projectile G1 ¹⁾ = 12.95 G2 = F = L3+G ¹⁾ = 86.02		Commencement of Rifling G1 ^{1)*} = 13.00 G ^{1)*} = 9.82 alpha l = 90° h * = 0.27 s = i ¹⁾ = 0°53'59" w =
	Pressures (Energies) Method Transducer Pmax = 2800 bar PK = 3220 bar PE = 3500 bar M = 25.00 EE = 8400 Joule		Barrel F ^{1)*} = 12.70 Z ¹⁾ = 13.00
Scale 1:1.5	Grooves b = 3.61 N = 7 u = 381.00 Q = 130.52 mm²		
	Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.

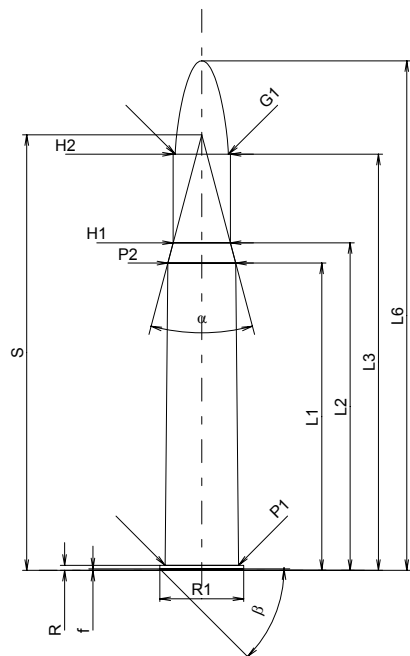
500/416 N.E. 3"1/4

TAB. II

Date 96-12-20

Revision 02-05-15

Country of Origin: DE



CARTRIDGE MAXI

Lengths

L1 *	=	60.96
L2 *	=	65.00
L3 ¹⁾	=	82.55
L4	=	
L5	=	
L6	=	101.09

Case Head

R ¹⁾	=	1.02	-0.25
R1	=	16.64	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	14.55
P2 *	=	13.49

Junction Cone

α	=	29°40'07"
S	=	86.43
r1 min	=	
r2	=	

Collar

H1 *	=	11.35
H2 ¹⁾	=	11.33

Projectile

G1 ¹⁾	=	10.57
G2	=	
F	=	
L3+G ¹⁾	=	90.17

Pressures (Energies)

Method Transducer

Pmax	=	3150 bar
PK	=	3625 bar
PE	=	3940 bar
M	=	25.00
EE	=	6720 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	60.99
L2 *	=	65.03
L3 ¹⁾	=	82.85

Breech

R ¹⁾	=	1.04
R1	=	16.89
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	14.58
P2 *	=	13.51

Junction Cone

α	=	29°32'09"
S	=	86.61
r1 max	=	3.00
r2	=	3.00

Collar

H1 *	=	11.38
H2 ¹⁾	=	11.35

Commencement of Rifling

G1 ¹⁾ *	=	10.59
G ¹⁾ *	=	7.62
$\alpha 1$	=	90°
h *	=	0.38
s	=	
i ¹⁾	=	0°56'57"
w	=	

Barrel

F ¹⁾ *	=	10.35
Z ¹⁾	=	10.57

Grooves

b	=	3.60
N	=	6
u	=	420.00
Q	=	86.56 mm ²

Scale 1:1.5

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

Notes: 1) Check for safety reasons
* Basic dimensions

C.I.P.

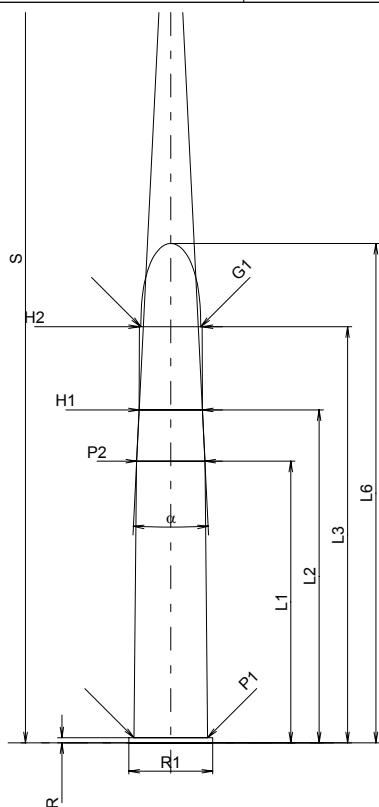
500/465 N.E.

TAB. II

Date 84-06-14

Revision 02-05-15

Country of Origin: GB



CARTRIDGE MAXI

Lengths

L1 *	=	55.88
L2 *	=	66.04
L3 ¹⁾	=	82.55
L4	=	
L5	=	
L6	=	99.06

Case Head

R ¹⁾	=	1.02	-0.25
R1	=	16.64	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	14.58
P2 *	=	13.56

Junction Cone

α	=	5°41'28"
S	=	192.29
r1 min	=	
r2	=	

Collar

H1 *	=	12.55
H2 ¹⁾	=	12.47

Projectile

G1 ¹⁾	=	11.89
G2	=	
F	=	
L3+G ¹⁾	=	93.15

Pressures (Energies)

Method Transducer

Pmax	=	2450 bar
PK	=	2818 bar
PE	=	3060 bar
M	=	25.00
EE	=	6372 Joule

Miscellaneous Dimensions

Fe ¹⁾	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	55.91
L2 *	=	66.07
L3 ¹⁾	=	82.80

Breech

R ¹⁾	=	1.04
R1	=	16.89
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 ¹⁾	=	14.61
P2 *	=	13.59

Junction Cone

α	=	5°44'49"
S	=	191.28
r1 max	=	
r2	=	

Collar

H1 *	=	12.57
H2 ¹⁾	=	12.50

Commencement of Rifling

G1 ¹⁾ *	=	11.95
G ¹⁾ *	=	10.60
α1	=	90°
h *	=	0.28
s	=	
i ¹⁾	=	0°49'58"
w	=	

Barrel

F ¹⁾ *	=	11.65
Z ¹⁾	=	11.87

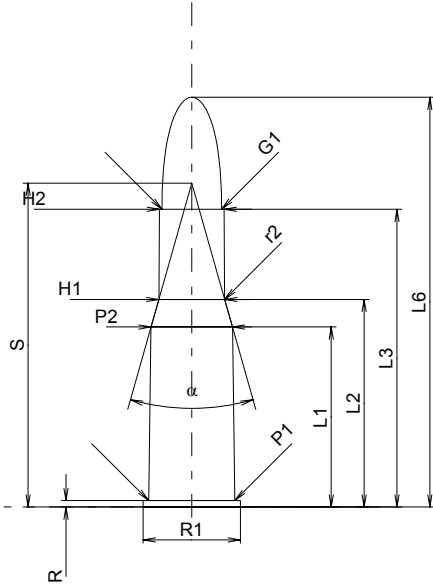
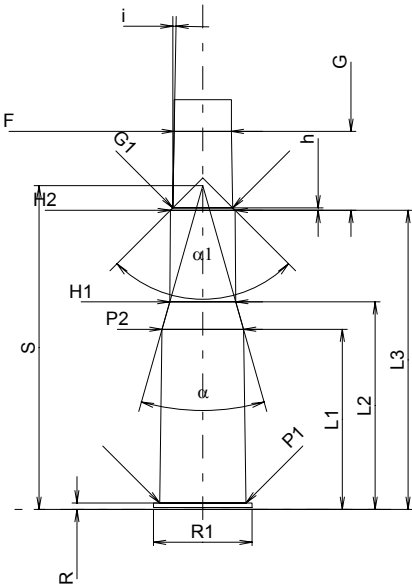
Grooves

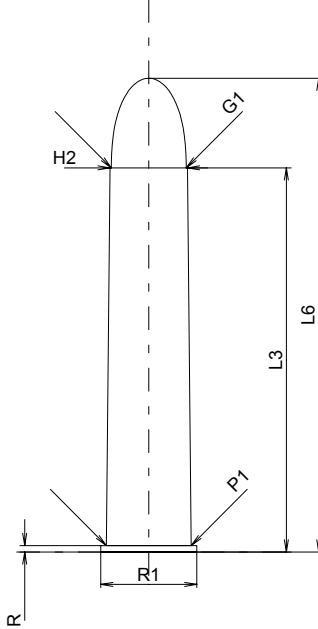
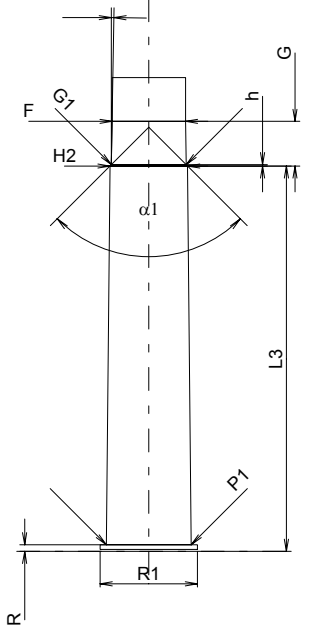
b	=	2.54
N	=	7
u	=	711.00
Q	=	108.57 mm ²

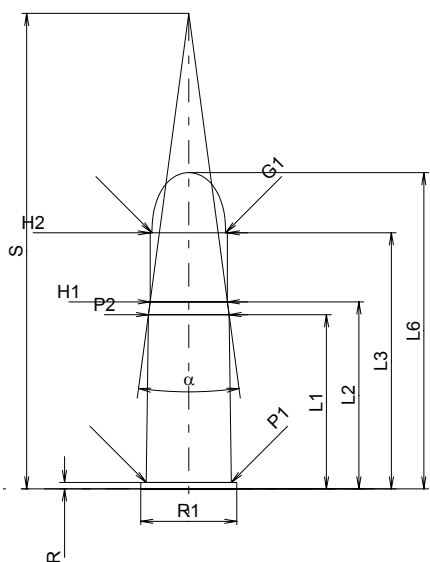
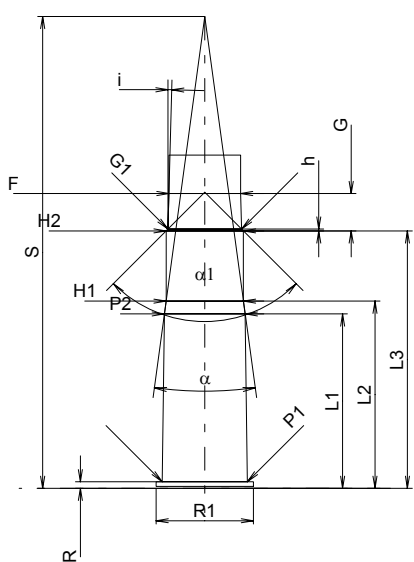
Scale 1:1.5

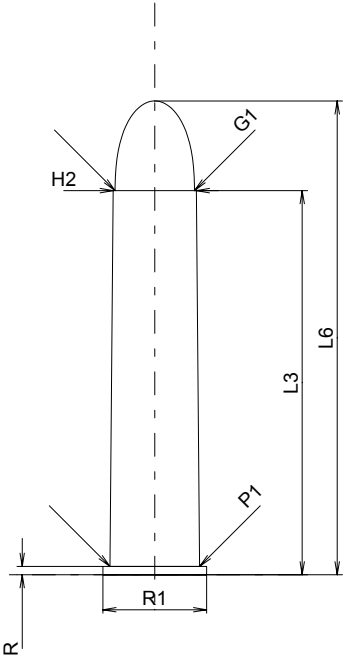
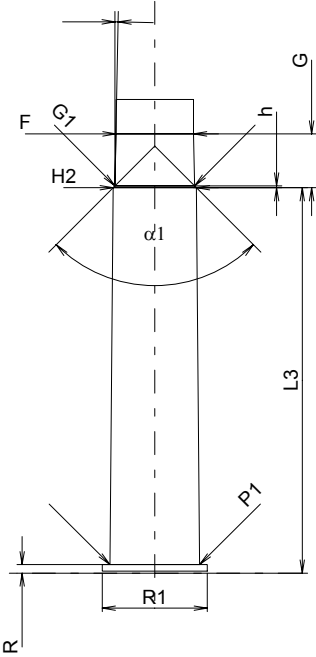
Dimensions in << mm >>
Dimensions and Tolerances for Proof Barrels
see Appendix CR 1.

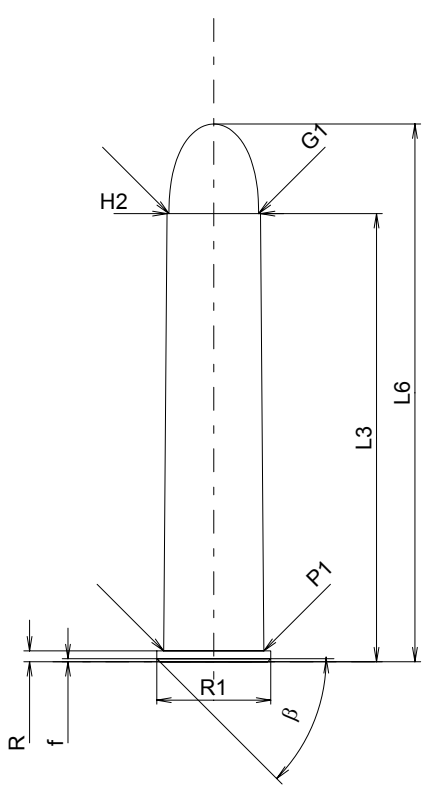
Notes: 1) Check for safety reasons
* Basic dimensions

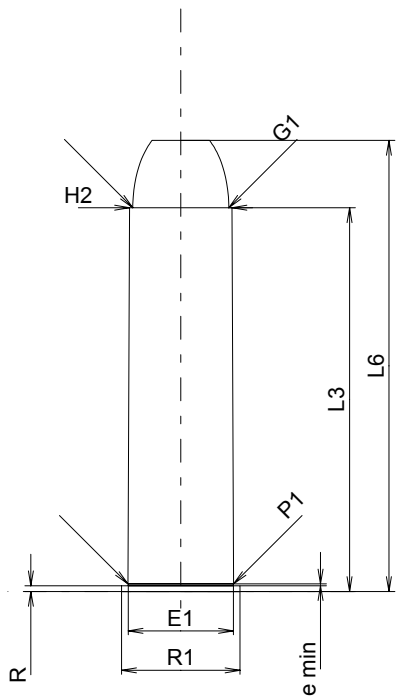
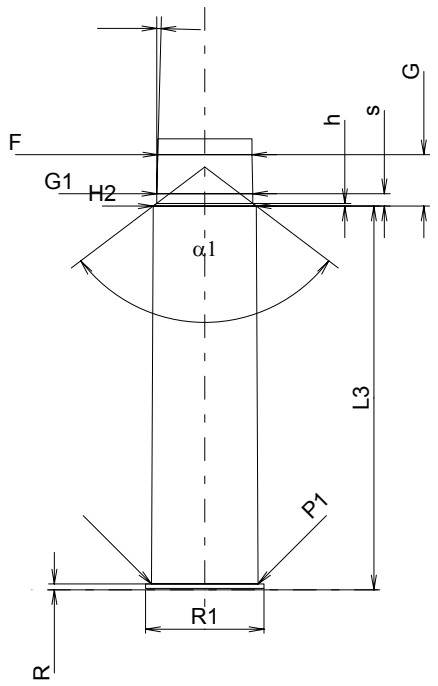
C.I.P.	577/450 Sld. Mart. H.	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 35.71 L2 * = 41.17 L3 1) = 59.08 L4 = L5 = L6 = 81.28 Case Head R 1) = 1.27 -0.25 R1 = 19.30 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 17.07 P2 * = 16.15 Junction Cone alpha = 31°35'57" S = 64.25 r1 min = r2 = 9.14 Collar H1 * = 13.06 H2 1) = 12.83 Projectile G1 1) = 11.81 G2 = F = L3+G 1) = 74.74 Pressures (Energies) Method Transducer Pmax = 1750 bar PK = 2013 bar PE = 2190 bar M = 25.00 EE = 2532 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 35.74 L2 * = 41.20 L3 1) = 59.33 Breech R 1) = 1.30 R1 = 19.56 R2 = R3 = r = Powder Chamber E = P1 1) = 17.09 P2 * = 16.18 Junction Cone alpha = 31°41'49" S = 64.24 r1 max = r2 = Collar H1 * = 13.08 H2 1) = 12.85 Commencement of Rifling G1 1)* = 11.88 G 1)* = 15.66 alpha1 = 90° h * = 0.49 s = i 1) = 1°00'02" w = Barrel F 1)* = 11.35 Z 1) = 11.80 Grooves b = N = u = 508.00 Q = 101.18 mm²	
			
Scale 1:1.5			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	577 N.E. 3"	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 76.20 L4 = L5 = L6 = 93.98 Case Head R ¹⁾ = 1.27 -0.25 R1 = 19.05 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 16.81 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 15.37 Projectile G1 ¹⁾ = 14.83 G2 = F = L3+G ¹⁾ = 85.06 Pressures (Energies) Method Transducer Pmax = 2450 bar PK = 2818 bar PE = 3060 bar M = 25.00 EE = 9975 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 76.45 Breech R ¹⁾ = 1.30 R1 = 19.30 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 16.84 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 15.39 Commencement of Rifling G1 ¹⁾ * = 14.85 G ¹⁾ * = 8.86 α1 = 90° h * = 0.27 s = i ¹⁾ = 1° w = Barrel F ¹⁾ * = 14.55 Z ¹⁾ = 14.78 Grooves b = 4.09 N = 7 u = 762.00 Q = 169.61 mm²	
		Notes: 1) Check for safety reasons * Basic dimensions	
Scale 1:1.5 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.			

C.I.P.	577 Sld. Snider	TAB.	II
		Date	84-06-14
		Revision	02-05-15
Country of Origin: GB			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 34.57 L2 * = 37.11 L3 1) = 50.80 L4 = L5 = L6 = 62.74 Case Head R 1) = 1.27 -0.25 R1 = 19.05 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 16.89 P2 * = 16.00 Junction Cone alpha = 15°14'53" S = 94.33 r1 min = r2 = Collar H1 * = 15.32 H2 1) = 15.32 Projectile G1 1) = 14.58 G2 = F = L3+G 1) = 58.23 Pressures (Energies) Method Transducer Pmax = 1500 bar PK = 1725 bar PE = 1875 bar M = 25.00 EE = 2290 Joule Miscellaneous Dimensions Fe 1) = 0.15 delta L =	Lengths L1 * = 34.59 L2 * = 37.13 L3 1) = 51.05 Breech R 1) = 1.30 R1 = 19.30 R2 = R3 = r = Powder Chamber E = P1 1) = 16.92 P2 * = 16.03 Junction Cone alpha = 15°28'12" S = 93.60 r1 max = r2 = Collar H1 * = 15.34 H2 1) = 15.34 Commencement of Rifling G1 1)* = 14.60 G 1)* = 7.43 alpha l = 90° h * = 0.37 s = i 1) = 1°30'02" w = Barrel F 1)* = 14.23 Z 1) = 14.58 Grooves b = N = u = 508.00 Q = 159.04 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.	600 N.E. Country of Origin: GB	TAB.	II
		Date	84-06-14
		Revision	02-05-15
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 76.20 L4 = L5 = L6 = 93.98 Case Head R ¹⁾ = 1.65 -0.25 R1 = 20.57 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 17.78 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 16.51 Projectile G1 ¹⁾ = 15.75 G2 = F = L3+G ¹⁾ = 86.89 Pressures (Energies) Method Transducer Pmax = 2450 bar PK = 2818 bar PE = 3060 bar M = 25.00 EE = 10323 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 76.45 Breech R ¹⁾ = 1.68 R1 = 20.83 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 17.81 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 16.54 Commencement of Rifling G1 ^{1)*} = 15.78 G ^{1)*} = 10.69 α1 = 90° h [*] = 0.38 s = i ¹⁾ = 1°05'01" w = Barrel F ^{1)*} = 15.39 Z ¹⁾ = 15.70 Grooves b = 4.09 N = 7 u = 762.00 Q = 190.51 mm²	
		Scale 1:1.5 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.	
Notes: 1) Check for safety reasons * Basic dimensions			

C.I.P.	700 H.& H. Nitro Exp. Country of Origin: GB	TAB.	II
		Date	92-04-06
		Revision	02-05-15
	CARTRIDGE MAXI		CHAMBER MINI
	Lengths L1 = L2 = L3 ¹⁾ = 88.90 L4 = L5 = L6 = 106.68 Case Head R ¹⁾ = 2.16 -0.25 R1 = 22.60 R3 = E = E1 = e min = δ = f = 0.60 β = 45° Powder Chamber P1 = 19.86 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 18.54 Projectile G1 ¹⁾ = 17.78 G2 = F = L3+G ¹⁾ = 99.06 Pressures (Energies) Method Transducer Pmax = 2750 bar PK = 3163 bar PE = 3440 bar M = 25.00 EE = 14325 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =		Lengths L1 = L2 = L3 ¹⁾ = 89.15 Breech R ¹⁾ = 2.18 R1 = 22.86 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 19.89 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 18.57 Commencement of Rifling G1 ^{1)*} = 17.81 G ^{1)*} = 10.16 α1 = 180° h = s = i ¹⁾ = 0°55'49" w = Barrel F ^{1)*} = 17.48 Z ¹⁾ = 17.78 Grooves b = 5.23 N = 8 u = 737.00 Q = 246.35 mm²
Scale 1:1.5 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	4 Bore Rifle	TAB.	II
		Date	93-09-27
		Revision	02-05-15
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 101.50 L4 = L5 = L6 = 119.30 Case Head R ¹⁾ = 1.50 -0.25 R1 = 31.30 R3 = E = E1 = 27.80 e min = 0.50 δ = f = β = Powder Chamber P1 = 28.00 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 27.15 Projectile G1 ¹⁾ = 25.40 G2 = 18.00 F = L3+G ¹⁾ = 115.10 Pressures (Energies) Method Transducer Pmax = 2500 bar PK = 2875 bar PE = 3125 bar M = 25.00 EE = 10500 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.15 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 101.50 Breech R ¹⁾ = 1.55 R1 = 31.30 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 28.20 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 27.30 Commencement of Rifling G1 ^{1)*} = 25.45 G ¹⁾ = 13.60 α1 [*] = 105°46'12" h = 0.70 s = 3.30 i ^{1)*} = 1°30' w = Barrel F ^{1)*} = 24.91 Z ¹⁾ = 25.40 Grooves b = 6.50 N = 8 u = Q = 500.23 mm²	
			
Scale 1:2			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 1.		Notes: 1) Check for safety reasons * Basic dimensions	