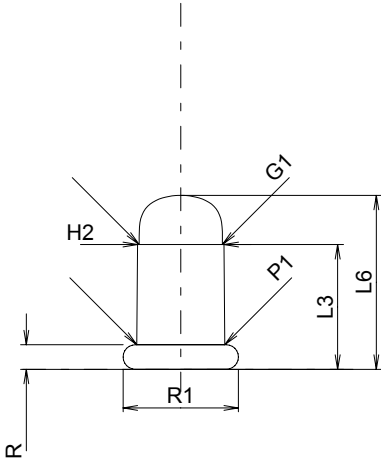
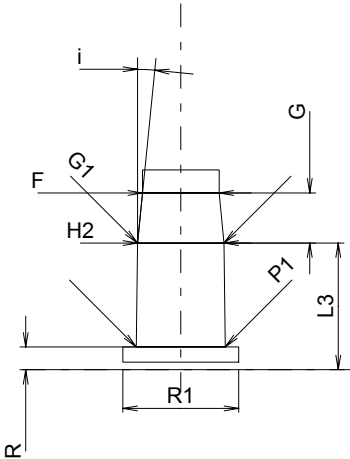
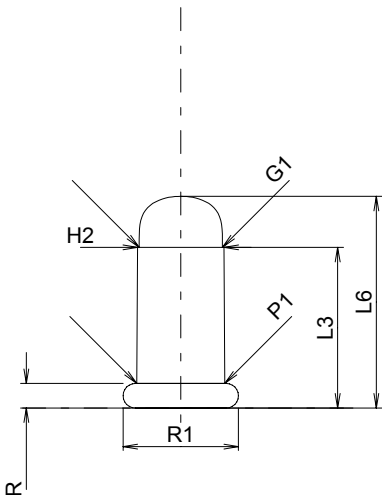
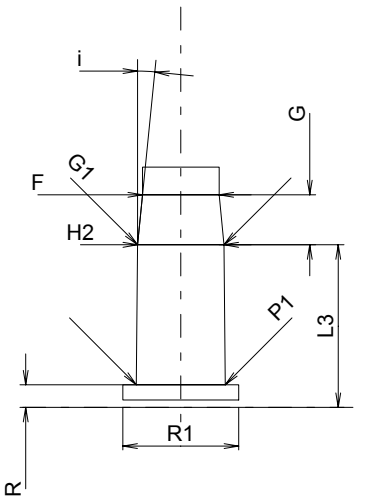
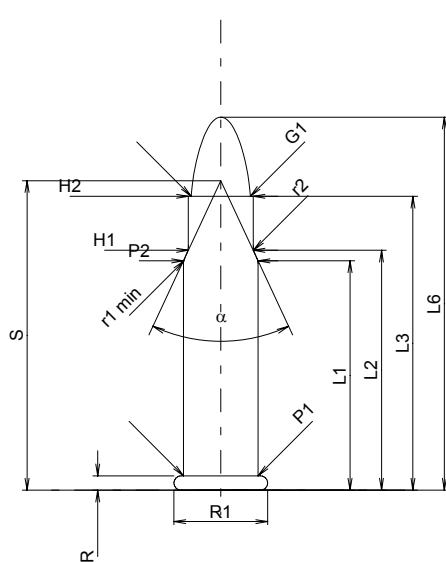
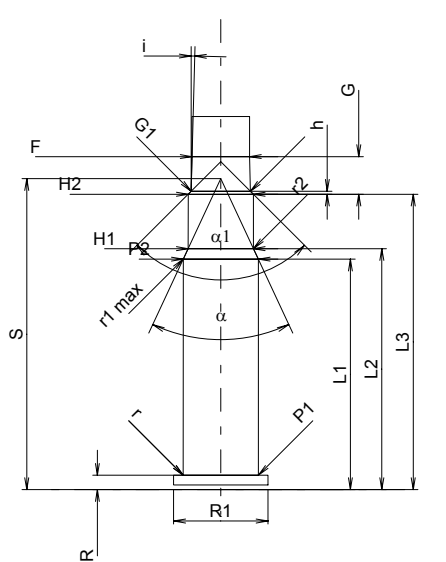
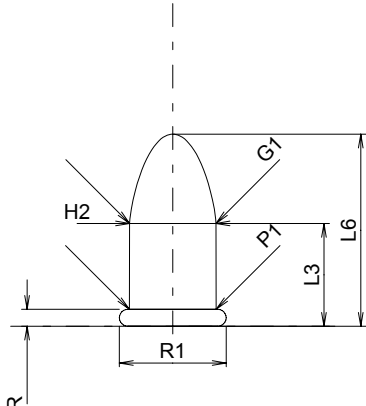
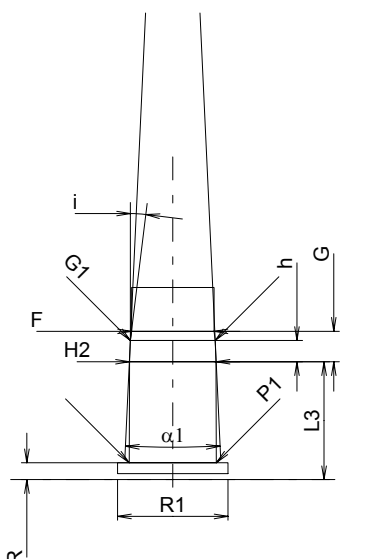
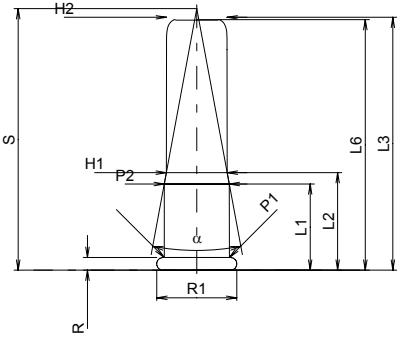
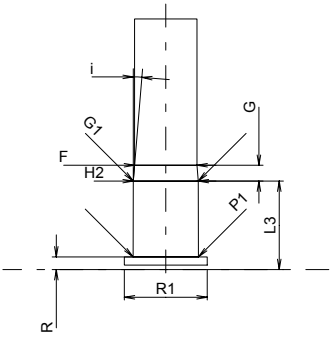


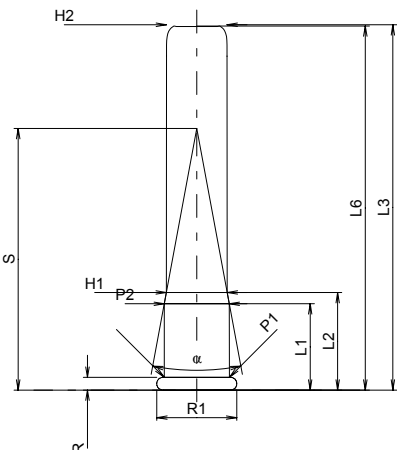
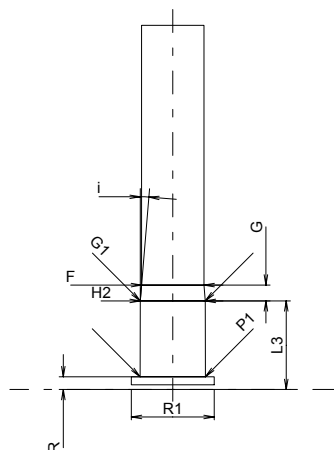
C.I.P.	4 mm Randz. court	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 6.60 L4 = L5 = L6 = 9.20 Case Head R ¹⁾ = 1.30 -0.18 R1 = 6.10 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 4.65 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 4.58 Projectile G1 ¹⁾ = 4.40 G2 = F = 4.05 L3+G ¹⁾ = 9.25 Pressures (Energies) Energy E _{max} = 30.0 Joule E _K = 32.1 Joule E _E = 33.0 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 6.70 Breech R ¹⁾ = 1.20 R1 = 6.13 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 4.70 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 4.58 Commencement of Rifling G1 * = 4.58 G * = 2.65 α ₁ = h = s = i = 5°42'38" w = Barrel F ¹⁾ * = 4.05 Z ¹⁾ = 4.30 Grooves b = 1.25 N = 6 u = 450.00 Q = 13.83 mm ²	
			
Scale 2.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

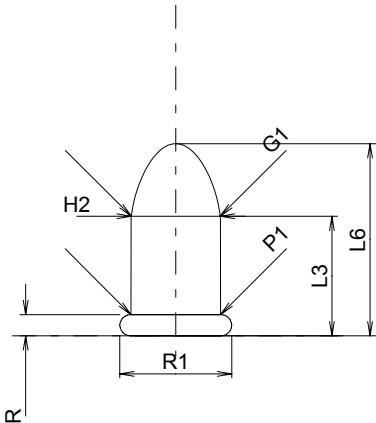
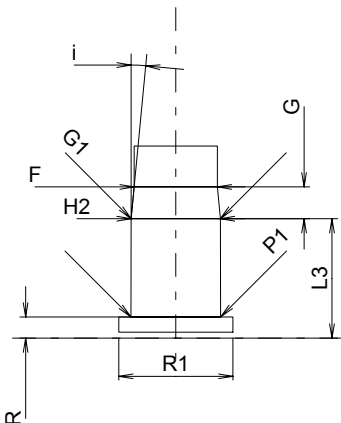
C.I.P.	4 mm Randz. long	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 8.50 L4 = L5 = L6 = 11.20 Case Head R ¹⁾ = 1.30 -0.18 R1 = 6.10 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 4.65 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 4.58 Projectile G1 ¹⁾ = 4.40 G2 = F = 4.05 L3+G ¹⁾ = 11.15 Pressures (Energies) Energy E _{max} = 30.0 Joule E _K = 32.1 Joule E _E = 33.0 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.20 δ L =	Lengths L1 = L2 = L3 ¹⁾ = 8.60 Breech R ¹⁾ = 1.20 R1 = 6.13 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 4.70 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 4.58 Commencement of Rifling G1 * = 4.58 G * = 2.65 α 1 = h = s = i = 5°42'38" w = Barrel F ¹⁾ * = 4.05 Z ¹⁾ = 4.30 Grooves b = 1.25 N = 6 u = 450.00 Q = 13.83 mm ²	
	Notes: 1) Check for safety reasons * Basic dimensions		
	Scale 2.5:1		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.			

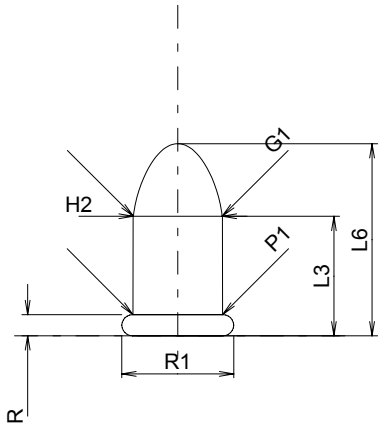
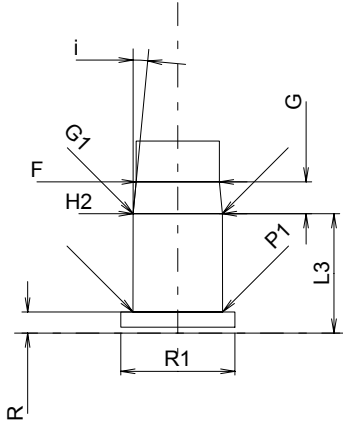
C.I.P.	5 mm Rem. Mag.	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 20.22 L2 = 21.15 L3 ¹⁾ = 25.91 L4 = L5 = L6 = 32.89 Case Head R ¹⁾ = 1.26 -0.18 R1 = 8.26 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 6.58 P2 * = 6.58 Junction Cone α * = 50° S * = 27.28 r1 min = 1.14 r2 = 1.78 Collar H1 * = 5.72 H2 ¹⁾ = 5.72 Projectile G1 ¹⁾ = 5.21 G2 = F = L3+G ¹⁾ = 29.23 Pressures (Energies) Method Crusher Pmax = 2550 bar PK = 2933 bar PE = 3315 bar M = 27.71 Miscellaneous Dimensions Fe ¹⁾ = 0.10 delta L =	Lengths L1 ¹⁾ = 20.32 L2 = 21.24 L3 ¹⁾ = 26.04 Breech R ¹⁾ = 1.26 R1 = 8.31 R2 = R3 = r = 0.30 Powder Chamber E = P1 ¹⁾ = 6.63 P2 * = 6.61 Junction Cone α * = 50° S * = 27.41 r1 max = 1.14 r2 = 1.91 Collar H1 * = 5.75 H2 ¹⁾ = 5.74 Commencement of Rifling G1 * = 5.23 G = 3.32 α1 * = 90° h = 0.26 s = i * = 1°30' w = Barrel F ¹⁾ * = 5.07 Z ¹⁾ = 5.19 Grooves b = 2.08 N = 6 u = 305.00 Q = 20.96 mm ²	
			
Scale 1.5:1	Notes: 1) Check for safety reasons * Basic dimensions		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.			

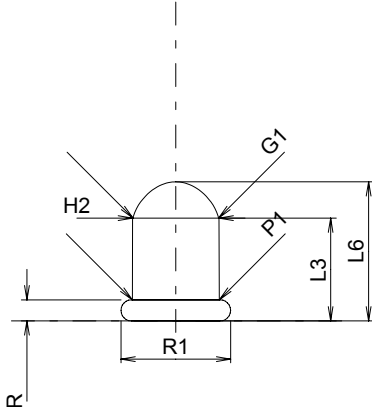
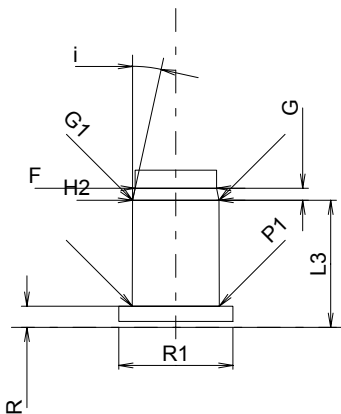
C.I.P.	5,6mm (22) Flobert à balle	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: IT/DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 6.80 L4 = L5 = L6 = 12.70 Case Head R ¹⁾ = 1.12 -0.18 R1 = 7.06 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.74 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 5.73 Projectile G1 ¹⁾ = 5.71 G2 = F = L3+G ¹⁾ = 8.81 Pressures (Energies) Energy E _{max} = 70.0 Joule E _K = 74.9 Joule E _E = 77.0 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 7.80 Breech R ¹⁾ = 1.12 R1 = 7.30 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 5.76 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.73 Commencement of Rifling G1 * = 5.60 G * = 2.01 α1 = 5°18'58" h * = 1.40 s = i = 7°00'33" w = Barrel F ¹⁾ * = 5.45 Z ¹⁾ = 5.60 Grooves b = 1.25 N = 6 u = 450.00 Q = 23.90 mm ²	
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

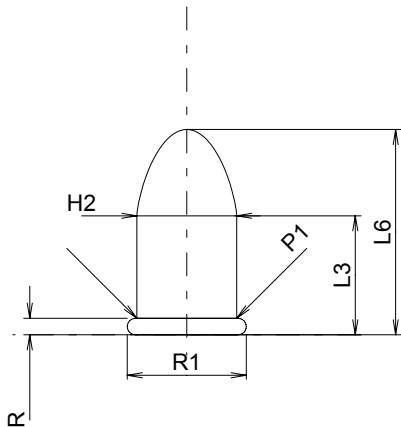
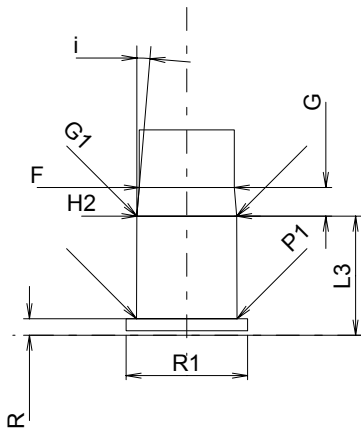
C.I.P.	5,6 mm Flobert à plombs SC	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: IT/DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 7.60 L2 * = 8.60 L3 ¹⁾ = 22.30 L4 = L5 = L6 = 22.10 Case Head R ¹⁾ = 1.12 -0.18 R1 = 7.06 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 5.74 P2 * = 5.72 Junction Cone alpha = 20°57'45" S = 23.06 r1 min = r2 = Collar H1 * = 5.35 H2 ¹⁾ = 5.33 Projectile G1 = G2 = F = 5.50 L1+G ¹⁾ = 9.00 Pressures (Energies) Energy E _{max} = 100 Joule E _K = 107 Joule E _E = 110 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 7.80 Breech R ¹⁾ = 1.12 R1 = 7.30 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 5.76 P2 = Junction Cone alpha = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.73 Commencement of Rifling G1 * = 5.73 G * = 1.40 alpha1 = h = s = i = 4°41'44" w = Barrel F ¹⁾ * = 5.50 Z ¹⁾ = 5.50 Grooves b = N = u = Q = 23.76 mm ²	
	Scale 1.5:1		
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

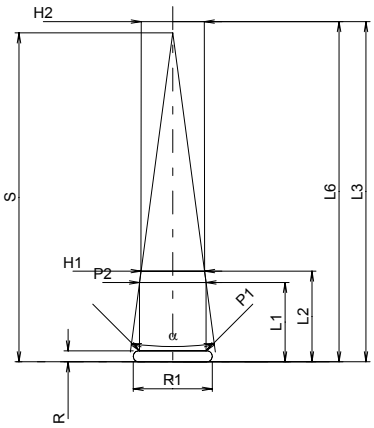
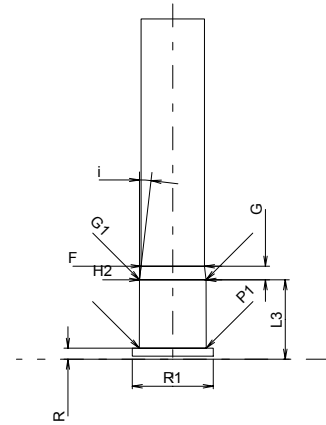
C.I.P.	5,6 mm Flobert à plombs DC	TAB. V	
		Date	84-06-14
		Revision	00-06-07
Country of Origin: IT/DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 7.60 L2 * = 8.60 L3 ¹⁾ = 32.20 L4 = L5 = L6 = 32.10 Case Head R ¹⁾ = 1.12 -0.18 R1 = 7.06 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.74 P2 * = 5.72 Junction Cone α = 20°57'45" S = 23.06 r1 min = r2 = Collar H1 * = 5.35 H2 ¹⁾ = 5.33 Projectile G1 = G2 = F = 5.50 L1+G ¹⁾ = 9.00 Pressures (Energies) Energy E _{max} = 100 Joule E _K = 107 Joule E _E = 110 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 7.80 Breech R ¹⁾ = 1.12 R1 = 7.30 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 5.76 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.73 Commencement of Rifling G1 * = 5.73 G * = 1.40 α ₁ = h = s = i = 4°41'44" w = Barrel F ¹⁾ * = 5.50 Z ¹⁾ = 5.50 Grooves b = N = u = Q = 23.76 mm ²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

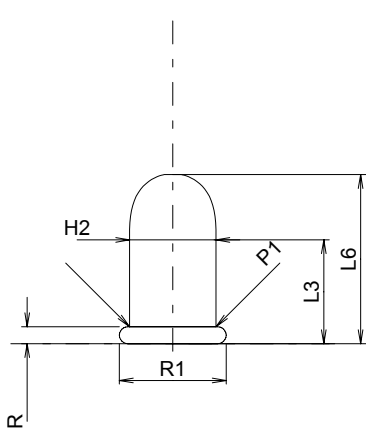
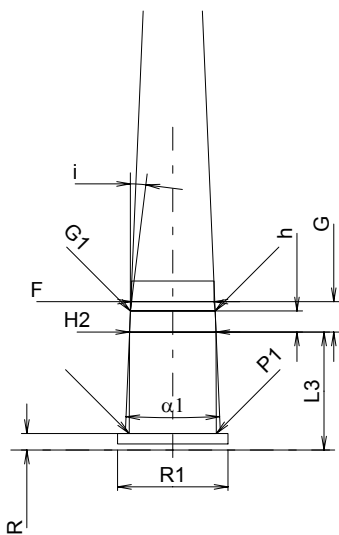
C.I.P.	6mm Flobert à balle	TAB. V	
		Date	84-06-14
		Revision	00-06-07
Country of Origin: FR			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 7.90 L4 = L5 = L6 = 12.70 Case Head R ¹⁾ = 1.40 -0.18 R1 = 7.40 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.92 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 5.90 Projectile G1 ¹⁾ = 5.87 G2 = F = L3+G ¹⁾ = 10.00 Pressures (Energies) Energy E _{max} = 70.0 Joule E _K = 74.9 Joule E _E = 77.0 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 7.90 Breech R ¹⁾ = 1.40 R1 = 7.55 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 5.93 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.90 Commencement of Rifling G1 * = 5.90 G * = 2.10 α _l = h = s = i = 5°26'25" w = Barrel F ^{1)*} = 5.50 Z ¹⁾ = 5.50 Grooves b = N = u = Q = 23.76 mm ²	
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

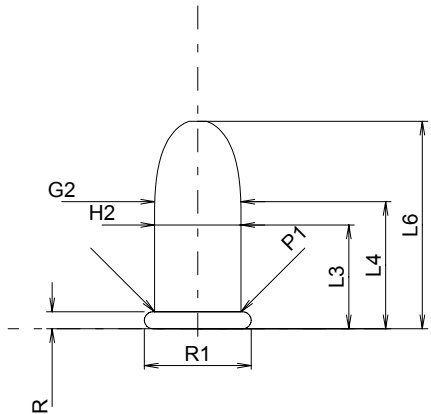
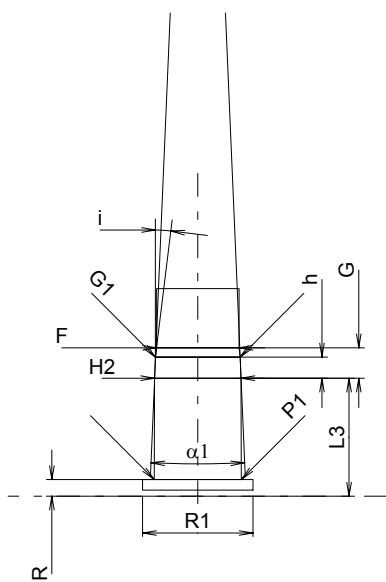
C.I.P.	6mm Flobert à balle DC	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: FR			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 7.90 L4 = L5 = L6 = 12.70 Case Head R ¹⁾ = 1.40 -0.18 R1 = 7.40 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.92 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 5.90 Projectile G1 ¹⁾ = 5.87 G2 = F = L3+G ¹⁾ = 10.00 Pressures (Energies) Energy E _{max} = 70.0 Joule E _K = 74.9 Joule E _E = 77.0 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 7.90 Breech R ¹⁾ = 1.40 R1 = 7.55 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 5.93 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.90 Commencement of Rifling G1 * = 5.90 G * = 2.10 α1 = h = s = i = 5°26'25" w = Barrel F ¹⁾ * = 5.50 Z ¹⁾ = 5.50 Grooves b = N = u = Q = 23.76 mm ²	
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

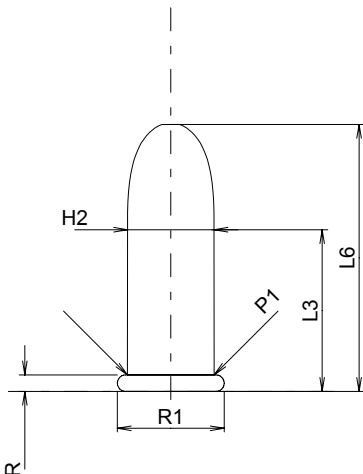
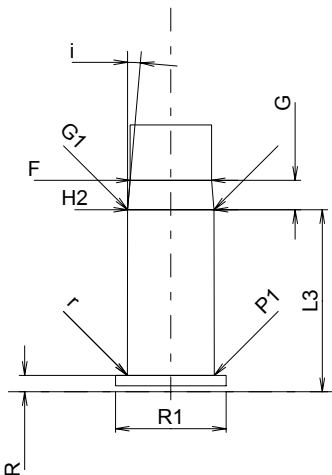
C.I.P.	6mm ME Flobert court	TAB. V	
		Date	96-01-24
		Revision	00-06-07
Country of Origin: DE			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 6.80 L4 = L5 = L6 = 9.20 Case Head R ¹⁾ = 1.40 -0.18 R1 = 7.25 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.75 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 5.73 Projectile G1 ¹⁾ = 5.65 G2 = F = L3+G ¹⁾ = 7.60 Pressures (Energies) Miscellaneous Dimensions Fe = δ L =	Lengths L1 = L2 = L3 ¹⁾ = 8.40 Breech R ¹⁾ = 1.40 R1 = 7.55 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 5.76 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.73 Commencement of Rifling G1 * = 5.73 G * = 0.80 α 1 = h = s = i = 12°20'24" w = Barrel F ¹⁾ * = 5.38 Z ¹⁾ = 5.38 Grooves b = 2.16 N = 6 u = 406.00 Q = 24.06 mm ²	
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

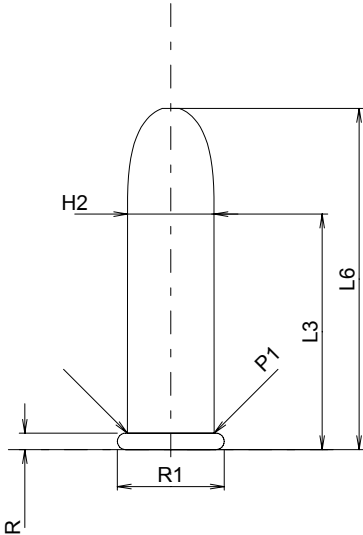
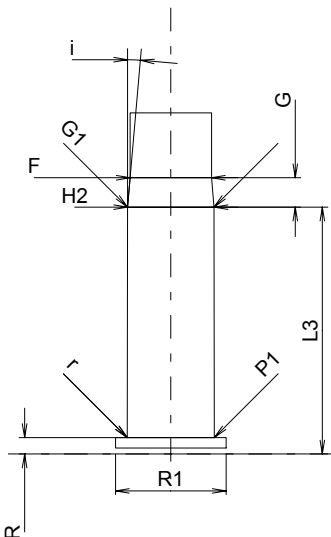
C.I.P.	9mm Flobert à balle	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: FR			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 10.50 L4 = L5 = L6 = 18.10 Case Head R ¹⁾ = 1.45 -0.18 R1 = 10.50 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 8.80 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 8.80 Projectile G1 ¹⁾ = 8.80 G2 = F = L3+G ¹⁾ = 13.02 Pressures (Energies) Energy E _{max} = 100 Joule E _K = 107 Joule E _E = 110 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 10.50 Breech R ¹⁾ = 1.45 R1 = 10.70 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 8.85 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 8.80 Commencement of Rifling G1 * = 8.80 G * = 2.52 α1 = h = s = i = 4°45'49" w = Barrel F ^{1)*} = 8.38 Z ¹⁾ = 8.38 Grooves b = N = u = Q = 55.15 mm ²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

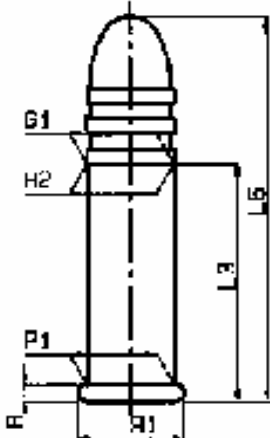
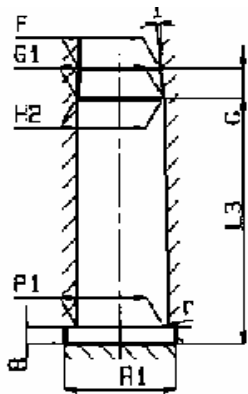
C.I.P.	9mm Flobert à plombs Carton	TAB. V	
		Date	84-06-14
		Revision	00-06-07
Country of Origin: FR			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 * = 10.50 L2 * = 12.00 L3 1) = 45.00 L4 = L5 = L6 = 45.00 Case Head R 1) = 1.45 -0.18 R1 = 10.45 R3 = E = E1 = e min = delta = f = beta = Powder Chamber P1 = 8.80 P2 * = 8.80 Junction Cone alpha = 15°11'24" S = 43.50 r1 min = r2 = Collar H1 * = 8.40 H2 1) = 8.35 Projectile G1 = G2 = F = L1+G 1) = 12.30 Pressures (Energies) Method Crusher Pmax = 900 bar PK = 1035 bar PE = 1170 bar M = 12.50 Miscellaneous Dimensions Fe 1) = 0.20 delta L =	Lengths L1 = L2 = L3 1) = 10.50 Breech R 1) = 1.45 R1 = 10.70 R2 = R3 = r = Powder Chamber E = P1 1) = 8.85 P2 = Junction Cone alpha = S = r1 max = r2 = Collar H1 = H2 1) = 8.80 Commencement of Rifling G1 * = 8.80 G * = 1.80 alpha l = h = s = i = 6°39'15" w = Barrel F 1)* = 8.38 Z 1) = 8.38 Grooves b = N = u = Q = 55.15 mm²	
			
Scale 1:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

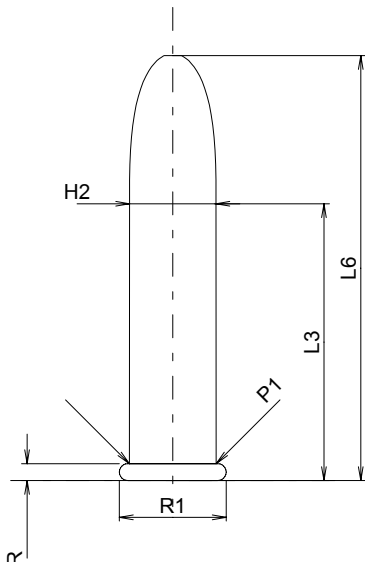
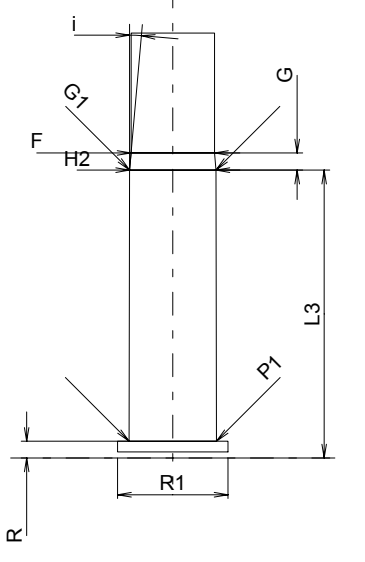
C.I.P.	22 BB Cap Country of Origin: US	TAB.	V
		Date	84-06-13
		Revision	00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 6.86 L4 = L5 = L6 = 11.18 Case Head R ¹⁾ = 1.12 -0.18 R1 = 7.06 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.72 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 5.72 Projectile G1 ¹⁾ = 5.72 G2 = F = L3+G ¹⁾ = 8.87 Pressures (Energies) Energy E _{max} = 70.0 Joule E _K = 74.9 Joule E _E = 77.0 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 7.80 Breech R ¹⁾ = 1.10 R1 = 7.30 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 5.76 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.72 Commencement of Rifling G1 * = 5.60 G = 2.01 α1 * = 4°54'28" h = 1.40 s = i * = 7°00'33" w = Barrel F ¹⁾ * = 5.45 Z ¹⁾ = 5.60 Grooves b = 1.25 N = 6 u = 450.00 Q = 23.90 mm ²	
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.	Notes: 1) Check for safety reasons * Basic dimensions		

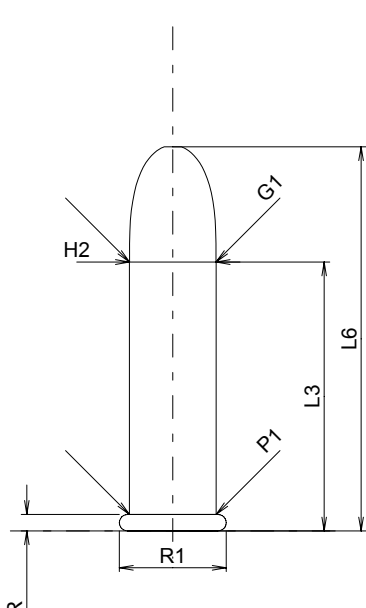
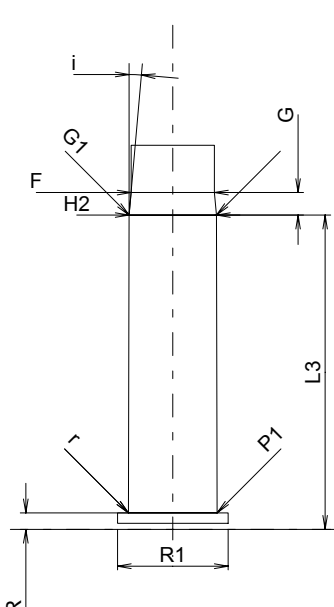
C.I.P.	22 CB Cap Country of Origin: US	TAB.	V
		Date	84-06-13
		Revision	00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 6.86 L4 = 8.40 L5 = L6 = 13.72 Case Head R ¹⁾ = 1.12 -0.18 R1 = 7.06 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.72 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 5.72 Projectile G1 ¹⁾ = 5.72 G2 = 5.72 F = L3+G ¹⁾ = 8.87 Pressures (Energies) Energy E _{max} = 70.0 Joule E _K = 74.9 Joule E _E = 77.0 Joule Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 7.80 Breech R ¹⁾ = 1.10 R1 = 7.30 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 5.76 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.72 Commencement of Rifling G1 * = 5.60 G = 2.01 α1 * = 4°54'28" h = 1.40 s = i * = 7°00'33" w = Barrel F ¹⁾ * = 5.45 Z ¹⁾ = 5.60 Grooves b = 1.25 N = 6 u = 450.00 Q = 23.90 mm ²	
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.	Notes: 1) Check for safety reasons * Basic dimensions		

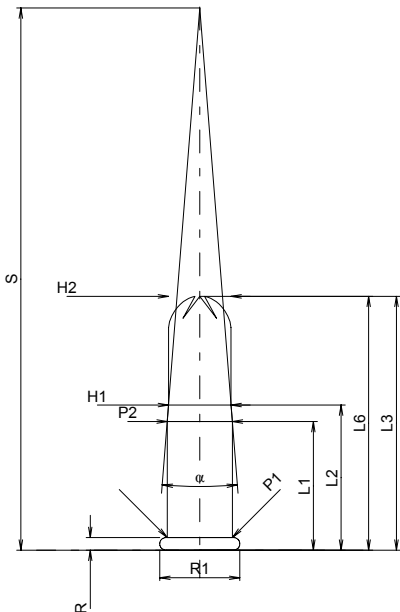
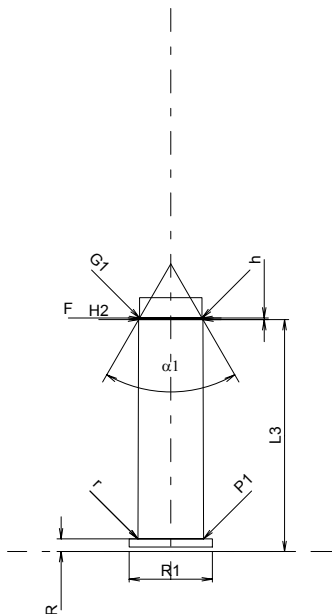
C.I.P.	22 Short Country of Origin: US	TAB.	V
		Date	84-06-14
		Revision	00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 10.69 L4 = L5 = L6 = 17.65 Case Head R ¹⁾ = 1.09 -0.18 R1 = 7.06 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.74 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 5.72 Projectile G1 ¹⁾ = 5.72 G2 = F = L3+G ¹⁾ = 12.63 Pressures (Energies) Method Crusher Pmax = 1450 bar PK = 1668 bar PE = 1885 bar M = 12.49 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 12.04 Breech R ¹⁾ = 1.09 R1 = 7.32 R2 = R3 = r = 0.25 Powder Chamber E = P1 ¹⁾ = 5.75 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.72 Commencement of Rifling G1 [*] = 5.72 G = 1.94 α1 = h = s = i [*] = 5° w = Barrel F ¹⁾ * = 5.38 Z ¹⁾ = 5.58 Grooves b = 2.16 N = 6 u = 406.00 Q = 24.06 mm ²	
		Scale 2:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.	
Notes: 1) Check for safety reasons * Basic dimensions			

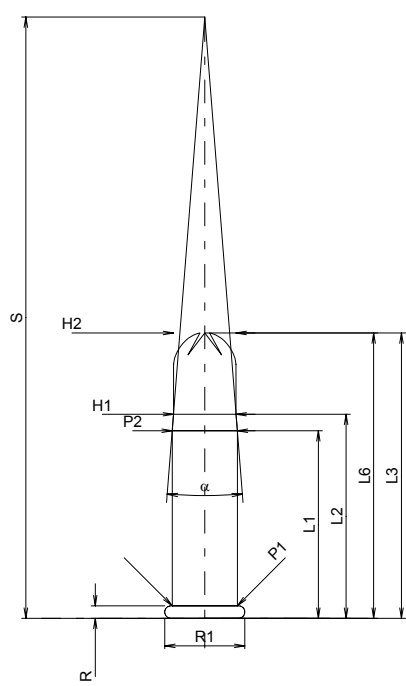
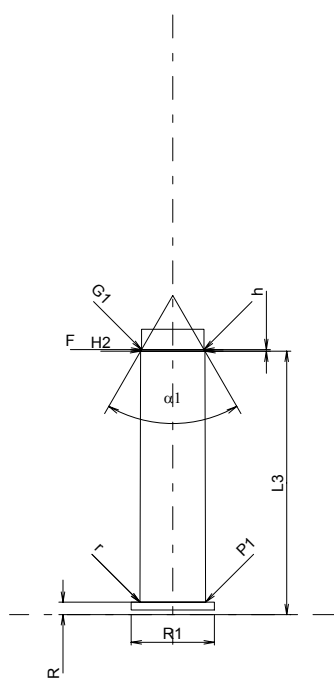
C.I.P.	22 Long	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 15.57 L4 = L5 = L6 = 22.56 Case Head R ¹⁾ = 1.09 -0.18 R1 = 7.06 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.74 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 5.72 Projectile G1 ¹⁾ = 5.72 G2 = F = L3+G ¹⁾ = 17.51 Pressures (Energies) Method Crusher Pmax = 1000 bar PK = 1150 bar PE = 1300 bar M = 17.37 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 16.33 Breech R ¹⁾ = 1.09 R1 = 7.32 R2 = R3 = r = 0.25 Powder Chamber E = P1 ¹⁾ = 5.76 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.72 Commencement of Rifling G1 [*] = 5.72 G = 1.94 α1 = h = s = i [*] = 5° w = Barrel F ¹⁾ * = 5.38 Z ¹⁾ = 5.58 Grooves b = 2.16 N = 6 u = 406.00 Q = 24.06 mm²	
	Scale 2:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		
Notes:		1) Check for safety reasons * Basic dimensions	

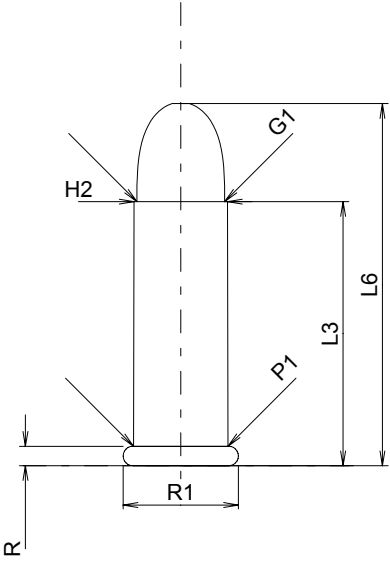
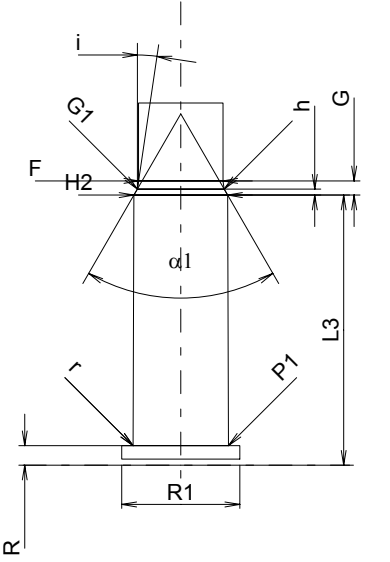
C.I.P.	22 Long Rifle Country of origin: US	TAB.	V
		Date	84-06-14
		Revision	00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 15.57 L4 = L5 = L6 = 25.40 Case Head R ¹⁾ = 1.09 -0.18 R1 = 7.06 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.74 P2 = Junction cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 5.72 Projectile G1 ¹⁾ = 5.72 G2 = F = L3+G ¹⁾ = 17.51 Pressures (Energies) Method Crusher (Conformal) Pmax = 2050 bar PK = 2358 bar PE = 2665 bar M = 17.37 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 16,33 Breech R ¹⁾ = 1.09 R1 = 7.32 R2 = R3 = r = 0.25 Powder Chamber E = P1 ¹⁾ = 5.76 P2 = Junction cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.72 Commencement of Rifling G1* = 5.72 G = 1.94 α1 = h = s = i * = 5° w = Barrel F ¹⁾ * = 5.38 Z ¹⁾ = 5.58 Grooves b = 2.16 N = 6 u = 406.00 Q = 24.06 mm ²	
		Scale 2 :1	
Dimensions in « mm » Dimensions and Tolerances for Proof Barrels See Appendix CR 2.		Notes : 1) Check for safety reasons * Basic dimensions	

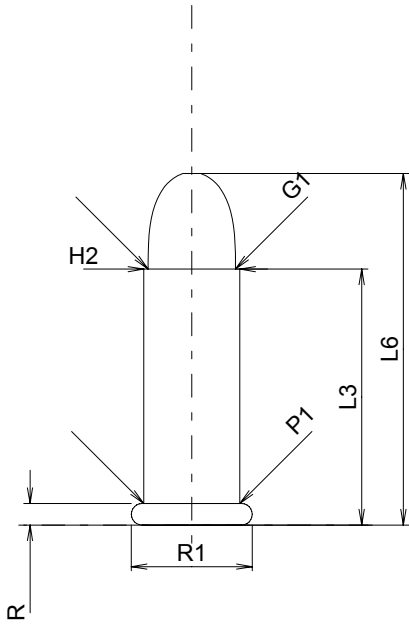
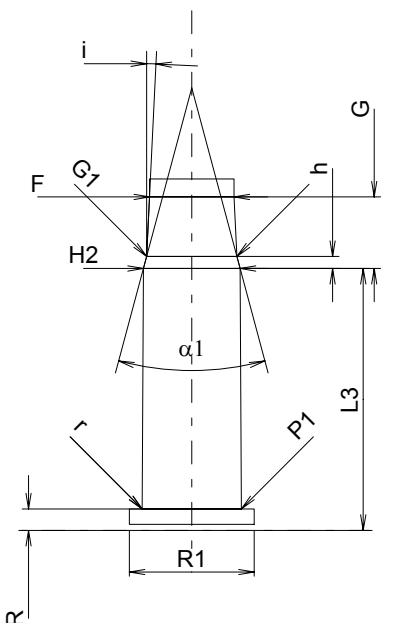
C.I.P.	22 Extra Long	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 18.30 L4 = L5 = L6 = 28.10 Case Head R ¹⁾ = 1.12 -0.18 R1 = 7.06 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.74 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 5.72 Projectile G1 ¹⁾ = 5.72 G2 = F = L3+G ¹⁾ = 19.44 Pressures (Energies) Method Crusher Pmax = 1400 bar PK = 1610 bar PE = 1820 bar M = 20.10 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 19.03 Breech R ¹⁾ = 1.10 R1 = 7.30 R2 = R3 = r = Powder Chamber E = P1 ¹⁾ = 5.78 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.72 Commencement of Rifling G1 * = 5.72 G = 1.14 α1 = h = s = i * = 5° w = Barrel F ¹⁾ * = 5.52 Z ¹⁾ = 5.58 Grooves b = 2.16 N = 6 u = 406.00 Q = 24.33 mm²	
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

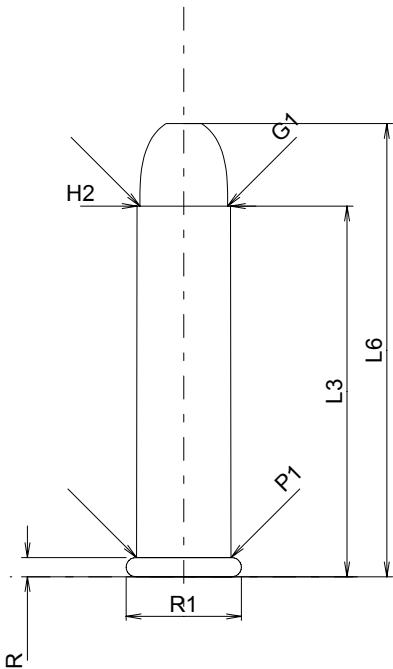
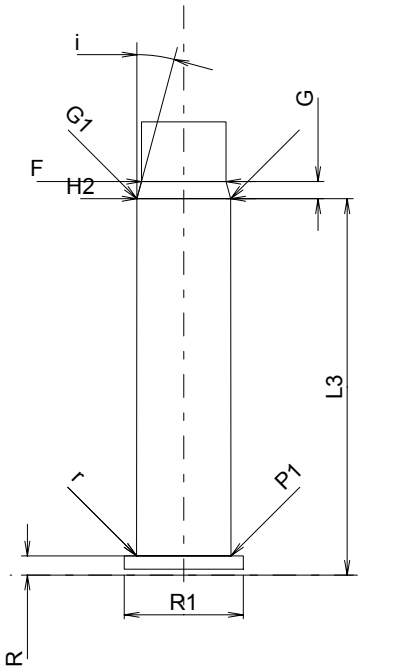
C.I.P.	22 Extra L.R. Country of Origin: US	TAB.	V
		Date	89-09-08
		Revision	00-06-07
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 17.78 L4 = L5 = L6 = 25.40 Case Head R ¹⁾ = 1.09 -0.18 R1 = 7.06 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.74 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 5.74 Projectile G1 ¹⁾ = 5.73 G2 = F = L3+G ¹⁾ = 19.27 Pressures (Energies) Method Crusher Pmax = 1800 bar PK = 2070 bar PE = 2340 bar M = 19.58 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 20.78 Breech R ¹⁾ = 1.09 R1 = 7.32 R2 = R3 = r = 0.13 Powder Chamber E = P1 ¹⁾ = 5.86 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.77 Commencement of Rifling G1 * = 5.77 G = 1.49 α1 = h = s = i * = 5° w = Barrel F ¹⁾ * = 5.51 Z ¹⁾ = 5.64 Grooves b = 2.16 N = 6 u = 406.00 Q = 24.71 mm²	
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

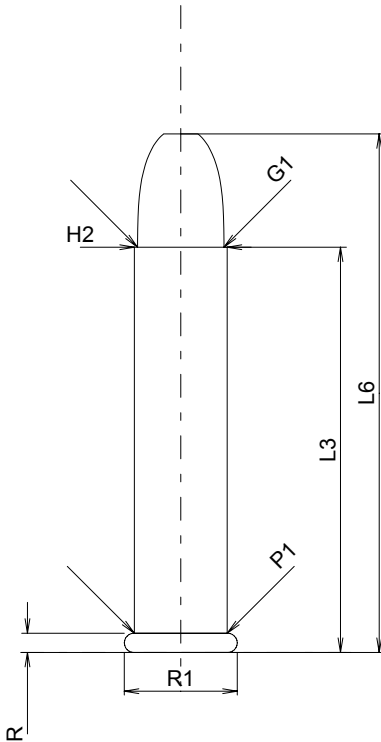
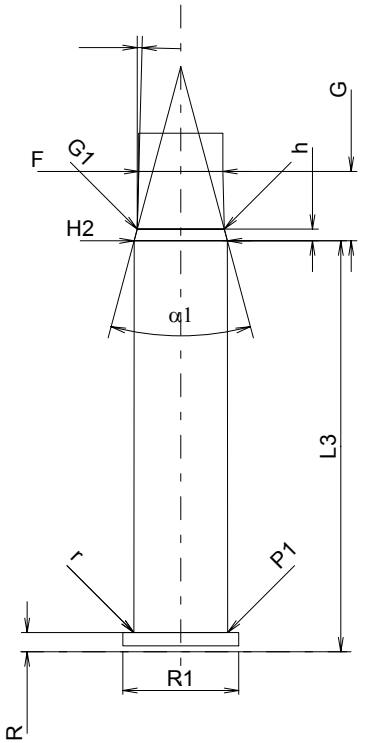
C.I.P.	22 Long Shot	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = 11.34 L2 = 12.79 L3 = 22.38 L4 = L5 = L6 = 22.38 Case Head R ¹⁾ = 1.12 -0.18 R1 = 7.06 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.74 P2 [*] = 5.74 Junction Cone α [*] = 9° S [*] = 47.81 r1 min = r2 = Collar H1 [*] = 5.51 H2 ¹⁾ = 5.51 Projectile G1 = G2 = F = L1+G = Pressures (Energies) Method Crusher Pmax = 1400 bar PK = 1610 bar PE = 1820 bar M = 24.18 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 20.45 Breech R ¹⁾ = 1.12 R1 = 7.32 R2 = R3 = r = 0.13 Powder Chamber E = P1 ¹⁾ = 5.78 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.68 Commencement of Rifling G1 [*] = 5.51 G = α1 [*] = 60° h = 0.15 s = i = w = Barrel F ¹⁾ * = 5.51 Z ¹⁾ = 5.51 Grooves b = N = u = Q = 23.81 mm²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.	Notes: 1) Check for safety reasons * Basic dimensions		

C.I.P.	22 Long Rifle Shot Claybirding	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = 16.53 L2 = 17.98 L3 = 25.15 L4 = L5 = L6 = 25.15 Case Head R ¹⁾ = 1.09 -0.18 R1 = 7.06 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 5.74 P2 * = 5.74 Junction Cone α * = 9° S * = 53.00 r1 min = r2 = Collar H1 * = 5.51 H2 ¹⁾ = 5.51 Projectile G1 = G2 = F = 5.51 L1+G = Pressures (Energies) Method Transducer Pmax = 1500 bar PK = 1725 bar PE = 1950 bar M = 26.95 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 23.22 Breech R ¹⁾ = 1.09 R1 = 7.32 R2 = R3 = r = 0.13 Powder Chamber E = P1 ¹⁾ = 5.80 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 5.68 Commencement of Rifling G1 * = 5.51 G = α1 * = 60° h = 0.15 s = i = w = Barrel F ¹⁾ * = 5.51 Z ¹⁾ = 5.51 Grooves b = N = u = Q = 23.81 mm²	
			
Scale 1.5:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	22 Rem. Auto	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 17.47 L4 = L5 = L6 = 23.95 Case Head R ¹⁾ = 1.29 -0.18 R1 = 7.62 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 6.23 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 6.18 Projectile G1 ¹⁾ = 5.80 G2 = F = L3+G ¹⁾ = 18.41 Pressures (Energies) Method Crusher Pmax = 1600 bar PK = 1840 bar PE = 2080 bar M = 19.27 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 17.86 Breech R ¹⁾ = 1.29 R1 = 7.80 R2 = R3 = r = 0.13 Powder Chamber E = P1 ¹⁾ = 6.31 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 6.20 Commencement of Rifling G1 * = 5.74 G = 0.94 α1 * = 60° h = 0.40 s = i * = 8°27'29" w = Barrel F ¹⁾ * = 5.58 Z ¹⁾ = 5.74 Grooves b = N = u = Q = mm²	
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	22 Win. Auto	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI	CHAMBER MINI	
	Lengths L1 = L2 = L3 ¹⁾ = 16.92 L4 = L5 = L6 = 23.24 Case Head R ¹⁾ = 1.42 -0.18 R1 = 8.00 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 6.36 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 6.36 Projectile G1 ¹⁾ = 5.78 G2 = F = L3+G ¹⁾ = 21.65 Pressures (Energies) Method Crusher Pmax = 1000 bar PK = 1150 bar PE = 1300 bar M = 18.72 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	Lengths L1 = L2 = L3 ¹⁾ = 17.32 Breech R ¹⁾ = 1.42 R1 = 8.26 R2 = R3 = r = 0.13 Powder Chamber E = P1 ¹⁾ = 6.55 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 6.40 Commencement of Rifling G1 * = 5.97 G = 4.73 α1 * = 30° h = 0.80 s = i * = 2°46' w = Barrel F ¹⁾ * = 5.59 Z ¹⁾ = 5.74 Grooves b = 1.70 N = 6 u = 356.00 Q = 25.32 mm²	
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	22 Win. R.F. et 22 Rem. Spl.	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 24.51 L4 = L5 = L6 = 29.97 Case Head R ¹⁾ = 1.27 -0.18 R1 = 7.62 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 6.24 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 6.18 Projectile G1 ¹⁾ = 5.80 G2 = F = L3+G ¹⁾ = 25.65 Pressures (Energies) Method Crusher Pmax = 1150 bar PK = 1323 bar PE = 1495 bar M = 26.31 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 24.89 Breech R ¹⁾ = 1.27 R1 = 7.87 R2 = R3 = r = 0.13 Powder Chamber E = P1 ¹⁾ = 6.25 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 6.20 Commencement of Rifling G1 * = 6.20 G = 1.14 α1 = h = s = i * = 15° w = Barrel F ¹⁾ * = 5.59 Z ¹⁾ = 5.74 Grooves b = 1.76 N = 6 u = 356.00 Q = 25.35 mm²	
			
Scale 2:1			
Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.		Notes: 1) Check for safety reasons * Basic dimensions	

C.I.P.	22 Win. Mag. R.F.	TAB.	V
		Date	84-06-14
		Revision	00-06-07
Country of Origin: US			
	CARTRIDGE MAXI Lengths L1 = L2 = L3 ¹⁾ = 26.80 L4 = L5 = L6 = 34.29 Case Head R ¹⁾ = 1.27 -0.18 R1 = 7.47 R3 = E = E1 = e min = δ = f = β = Powder Chamber P1 = 6.15 P2 = Junction Cone α = S = r1 min = r2 = Collar H1 = H2 ¹⁾ = 6.15 Projectile G1 ¹⁾ = 5.70 G2 = F = L3+G ¹⁾ = 31.39 Pressures (Energies) Method Crusher Pmax = 1900 bar PK = 2185 bar PE = 2470 bar M = 28.60 Miscellaneous Dimensions Fe ¹⁾ = 0.20 delta L =	CHAMBER MINI Lengths L1 = L2 = L3 ¹⁾ = 27.18 Breech R ¹⁾ = 1.27 R1 = 7.67 R2 = R3 = r = 0.25 Powder Chamber E = P1 ¹⁾ = 6.20 P2 = Junction Cone α = S = r1 max = r2 = Collar H1 = H2 ¹⁾ = 6.17 Commencement of Rifling G1 * = 5.76 G = 4.59 α1 * = 30° h = 0.77 s = i * = 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 2:1 Dimensions in << mm >> Dimensions and Tolerances for Proof Barrels see Appendix CR 2.	
Notes:		1) Check for safety reasons * Basic dimensions	