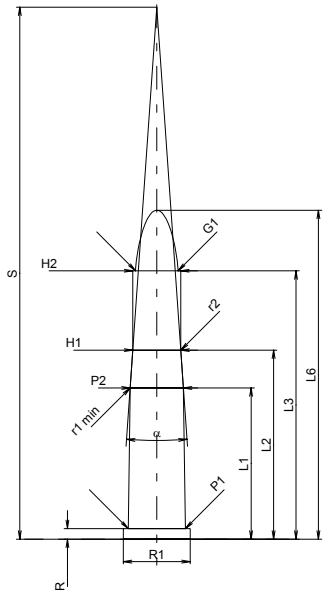
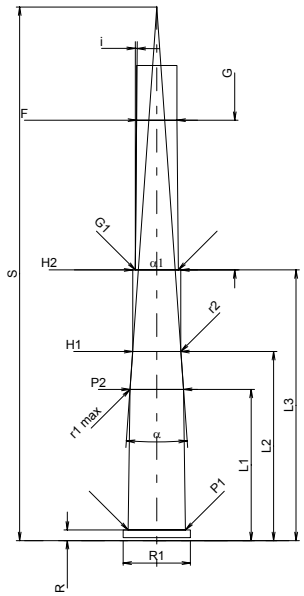
C.I.P.

5,6 x 35 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	7.55
P2 *	=	7.05

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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

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

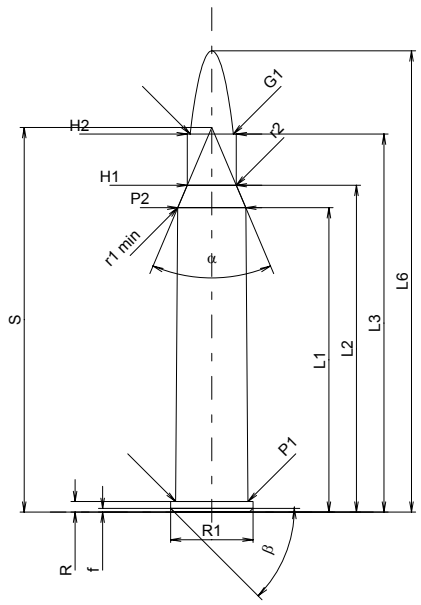
Notes: 1) Check for safety reasons
* Basic dimensions

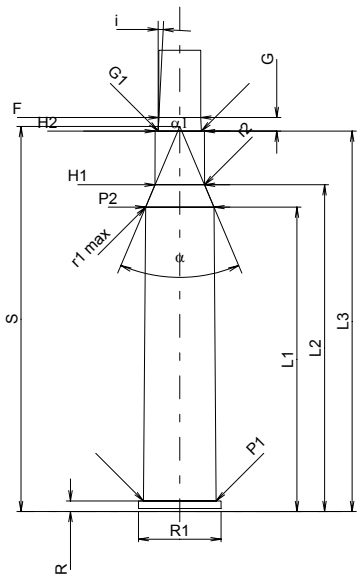
C.I.P.

5,6 x 50 R Mag.

Country of Origin: DE

TAB.	**II**
Date	**98-02-20**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

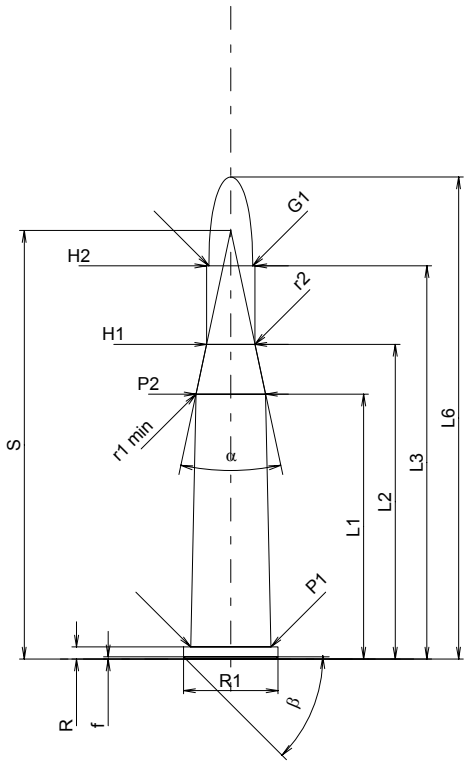
Notes: 1) Check for safety reasons
* Basic dimensions

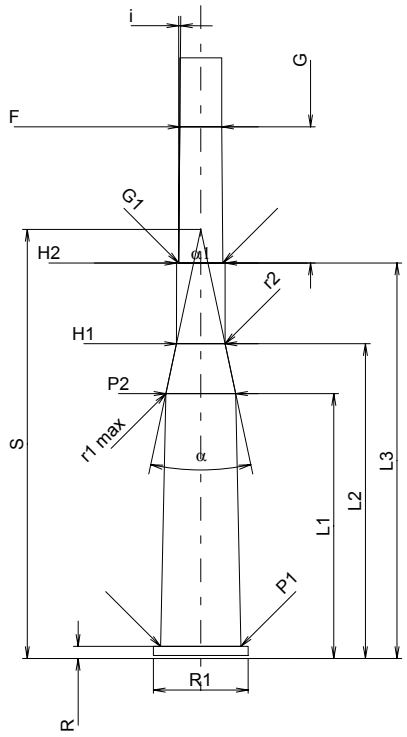
C.I.P.

5,6 x 52 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	10.62
P2 *	=	9.20

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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	mm²

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

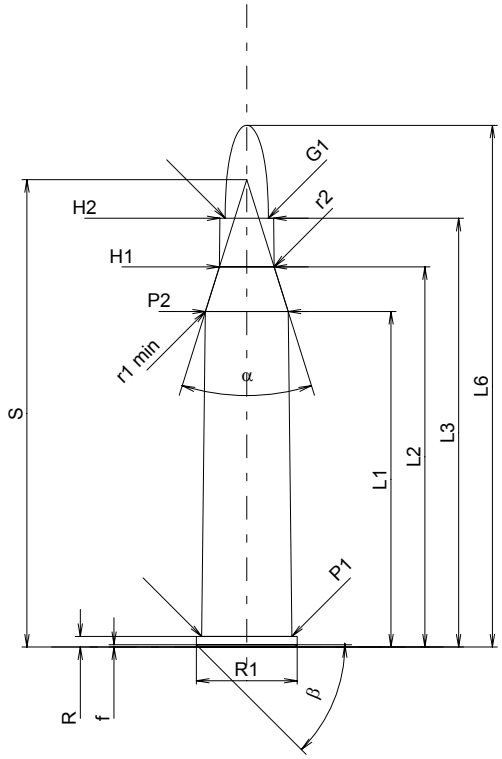
Notes: 1) Check for safety reasons
* Basic dimensions

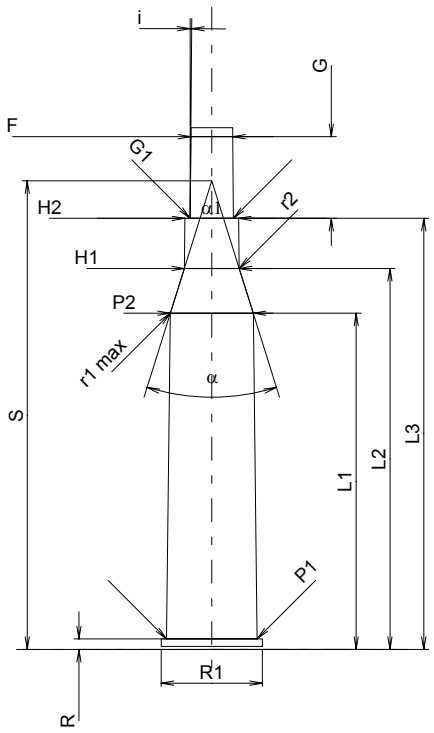
C.I.P.

5,6 x 57 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

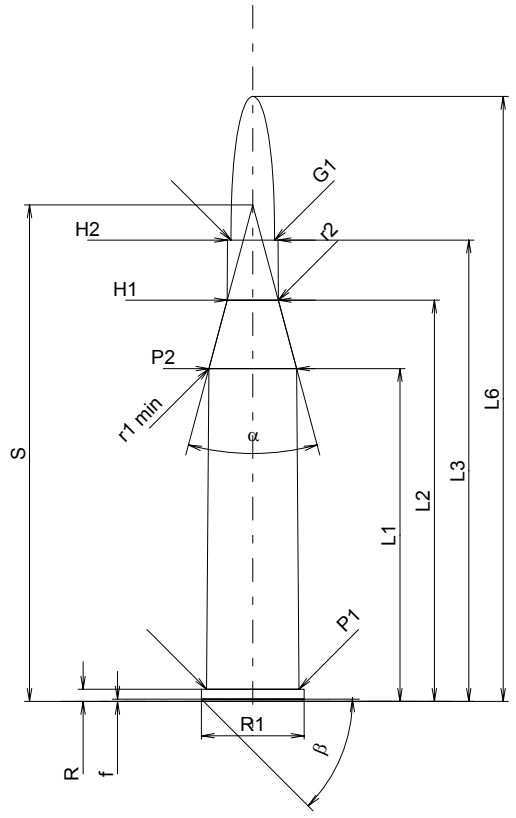
Notes: 1) Check for safety reasons
* Basic dimensions

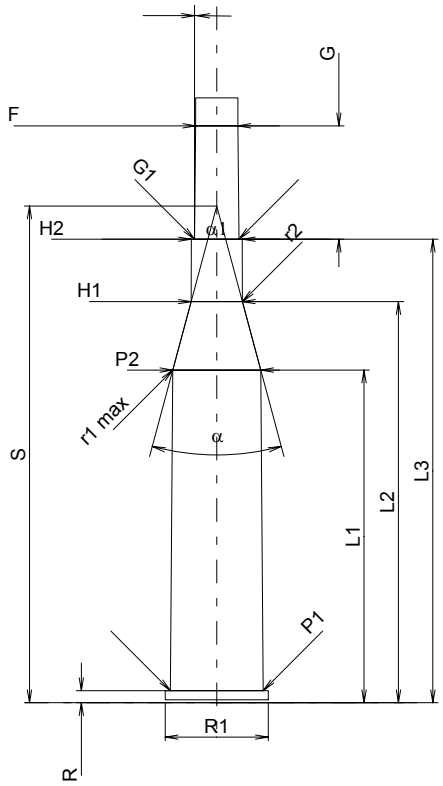
C.I.P.

5,6 x 61 R SE v. H.

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

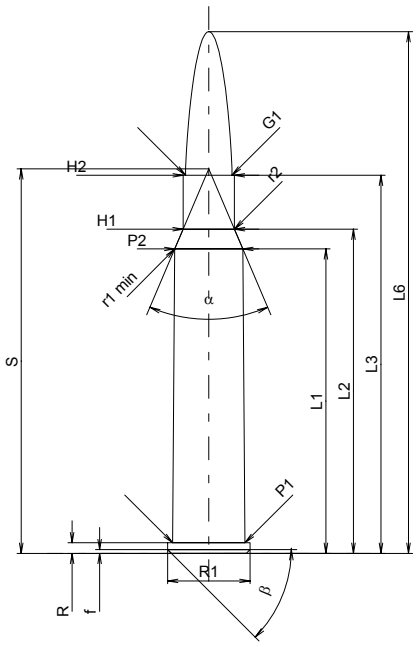
Notes: 1) Check for safety reasons
* Basic dimensions

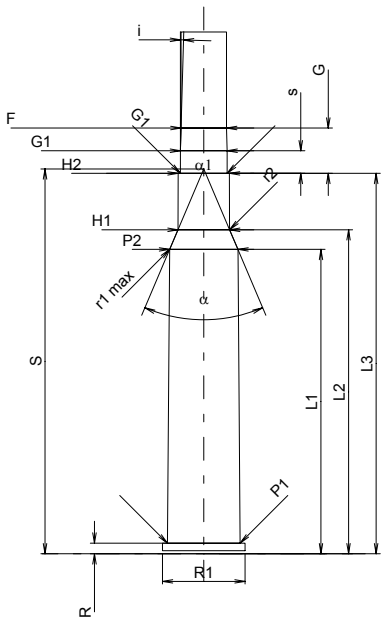
C.I.P.

6 x 50 R Scheiring

Country of Origin: AT

TAB.	**II**
Date	**87-09-29**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=		
δ	=		
f	=	0.50	
β	=	45°	

Powder Chamber

P1	=	9.59
P2 *	=	9.00

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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

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

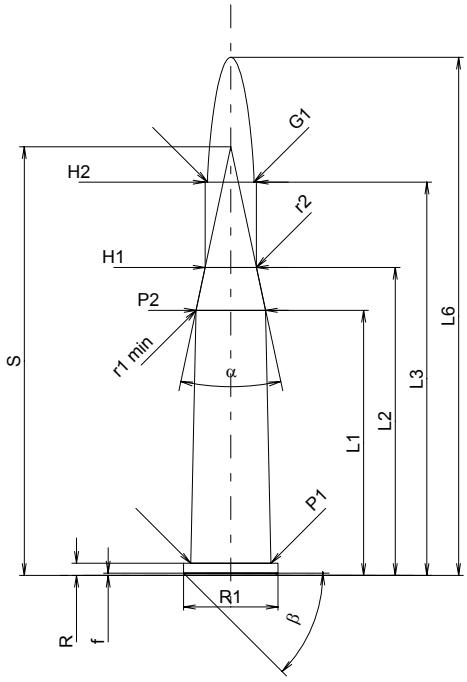
Notes: 1) Check for safety reasons
* Basic dimensions

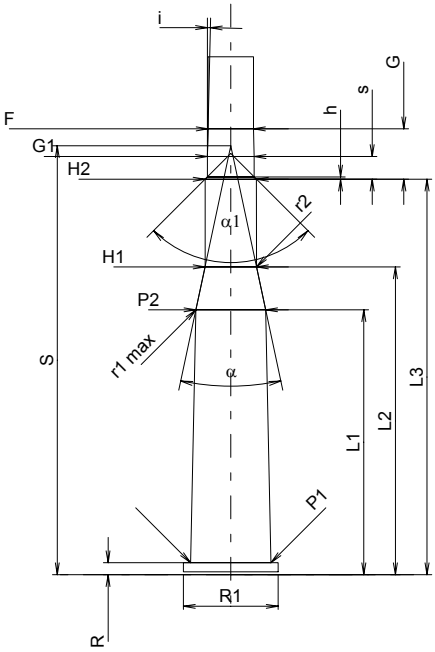
C.I.P.

6 x 52 R Bretschneider

Country of Origin: DE

TAB.	**II**
Date	**98-01-27**
Revision	**02-05-15**





Scale 1:1

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	10.62
P2 *	=	9.20

Junction Cone

α	=	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

α	=	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
α1	=	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

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

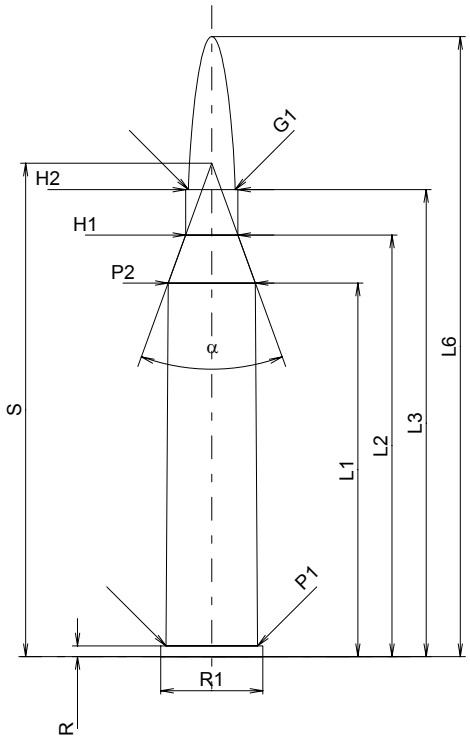
Notes: 1) Check for safety reasons
* Basic dimensions

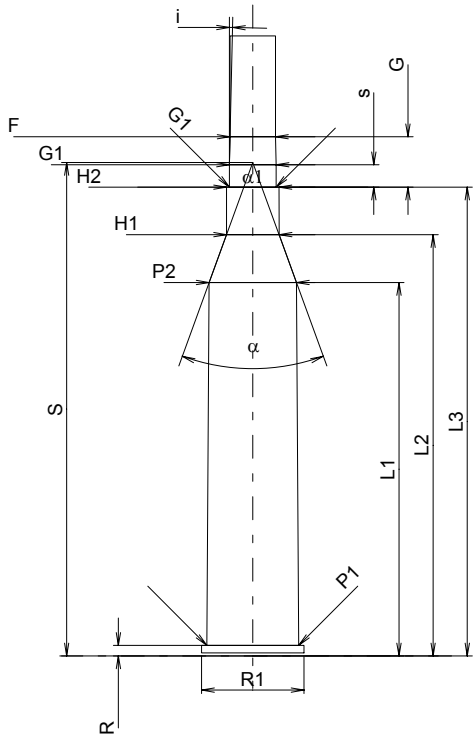
C.I.P.

6 x 62 R Freres

Country of Origin: DE

TAB.	**II**
Date	**92-02-27**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI				CHAMBER MINI			
Lengths				**Lengths**			
L1 *	=	49.40		L1 *	=	49.40	
L2 *	=	55.75		L2 *	=	55.72	
L3 1)	=	61.75		L3 1)	=	62.00	
L4	=						
L5	=						
L6	=	82.00					
Case Head				**Breech**			
R 1)	=	1.40	-0.25	R 1)	=	1.40	
R1	=	13.50		R1	=	13.55	
R3	=			R2	=		
E	=			R3	=		
E1	=			r	=		
e min	=						
δ	=						
f	=						
β	=						
Powder Chamber				**Powder Chamber**			
				E	=		
P1	=	12.12		P1 1)	=	12.14	
P2 *	=	11.53		P2 *	=	11.55	
Junction Cone				**Junction Cone**			
α	=	39°58'50"		α	=	39°59'42"	
S	=	65.25		S	=	65.27	
r1 min	=			r1 max	=		
r2	=			r2	=		
Collar				**Collar**			
H1 *	=	6.91		H1 *	=	6.95	
H2 1)	=	6.91		H2 1)	=	6.93	
Projectile				**Commencement of Rifling**			
G1 1)	=	6.18		G1 1)*	=	6.19	
G2	=			G 1)*	=	6.67	
F	=			α1	=	180°	
L3+G 1)	=	68.42		h	=		
				s *	=	2.97	
Pressures (Energies)				i 1)	=	1°19'	
Method Transducer				w	=		
Pmax	=	4300	bar	**Barrel**			
PK	=	4945	bar	F 1)*	=	6.02	
PE	=	5375	bar	Z 1)	=	6.17	
M	=	25.00		**Grooves**			
EE	=	3435	Joule	b	=	1.73	
				N	=	6	
				u	=	260.00	
				Q	=	29.25	mm²
Miscellaneous Dimensions							
Fe 1)	=	0.10					
delta L	=						

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

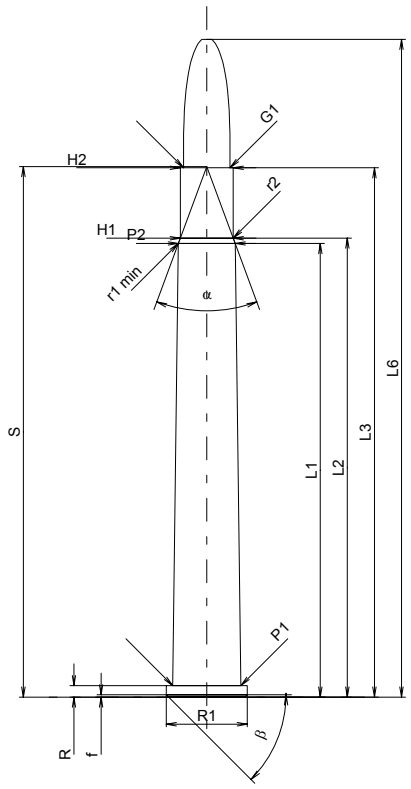
Notes: 1) Check for safety reasons
* Basic dimensions

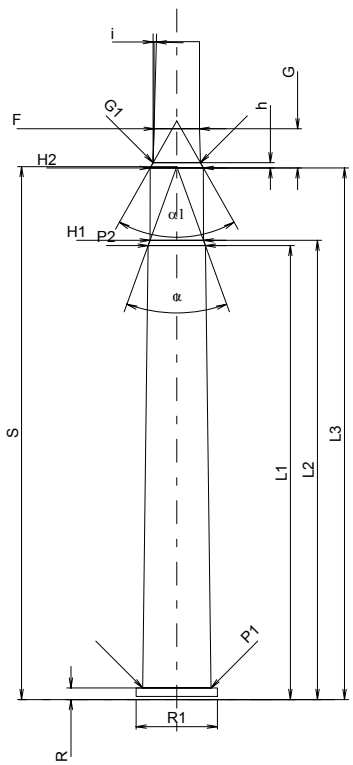
C.I.P.

6 x 70 R

Country of Origin: DE

TAB.	**II**
Date	**00-06-28**
Revision	**02-05-15**





Scale 1:1

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	9.00
P2 *	=	7.52

Junction Cone

α	=	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

α	=	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
α1	=	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	mm²

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

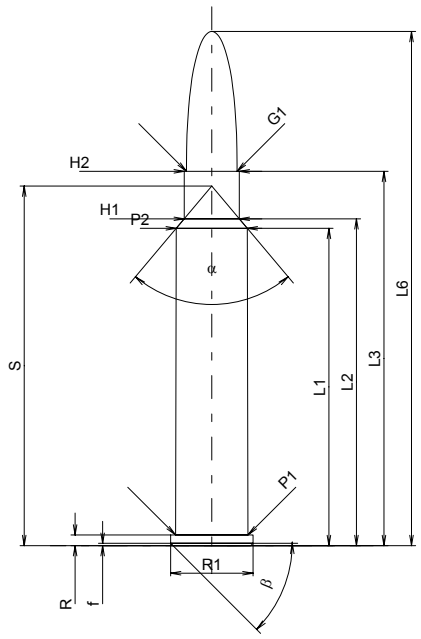
Notes: 1) Check for safety reasons
* Basic dimensions

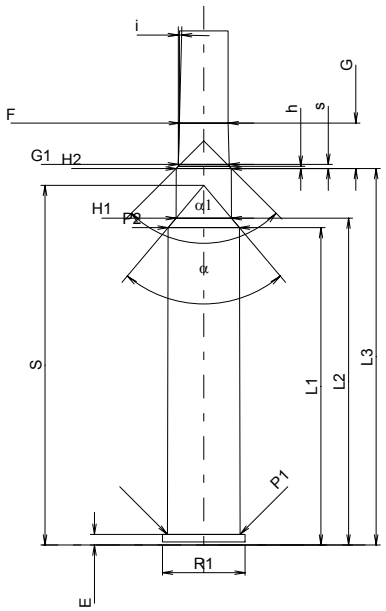
C.I.P.

6,5 x 50 R

Country of Origin: DE

TAB.	**II**
Date	**92-02-27**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

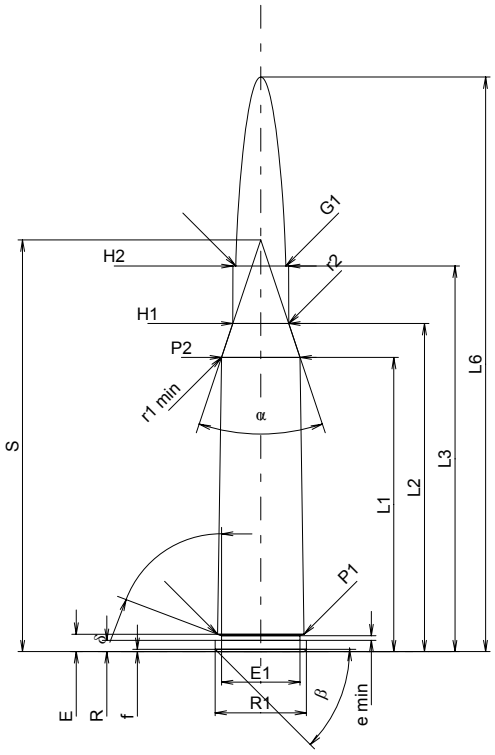
Notes: 1) Check for safety reasons
* Basic dimensions

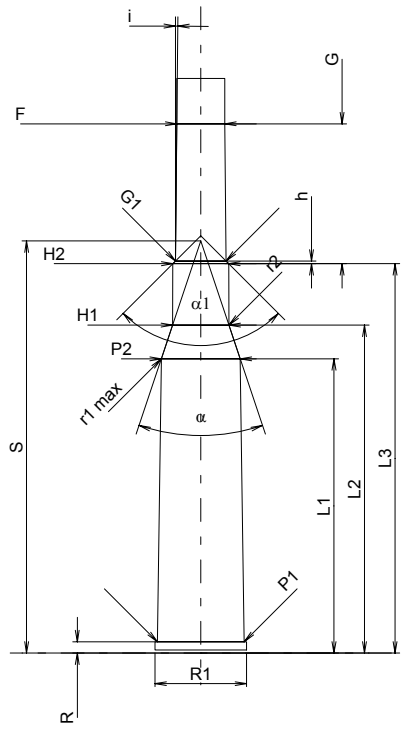
C.I.P.

6,5 x 51 R (Arisaka)

Country of Origin: JP

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

Lengths

L1	=	38.92	
L2	=	43.40	
L3 1)	=	51.00	
L4	=		
L5	=		
L6	=	76.00	

Case Head

R 1)	=	1.50	-0.25
R1	=	12.08	
R3	=		
E	=	2.30	
E1	=	10.40	
e min	=	0.60	
δ	=	60°	
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	11.45
P2 *	=	10.40

Junction Cone

α *	=	37°
S *	=	54.46
r1 min	=	0.50
r2	=	0.50

Collar

H1 *	=	7.40
H2 1)	=	7.37

Projectile

G1 1)	=	6.63
G2	=	
F	=	
L3+G 1)	=	69.50

Pressures (Energies)
Method Transducer

Pmax	=	2950	bar
PK	=	3393	bar
PE	=	3688	bar
M	=	25.00	
EE	=	2625	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1	=	38.92
L2	=	43.38
L3 1)	=	51.50

Breech

R 1)	=	1.50
R1	=	12.12
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 1)	=	11.48
P2 *	=	10.43

Junction Cone

α *	=	37°
S *	=	54.51
r1 max	=	0.50
r2	=	0.50

Collar

H1 *	=	7.45
H2 1)	=	7.40

Commencement of Rifling

G1 1)*	=	6.69
G 1)	=	18.50
α1 *	=	90°
h	=	0.35
s	=	
i 1)*	=	0°34'05"
w	=	

Barrel

F 1)*	=	6.33
Z 1)	=	6.63

Grooves

b	=	3.50	
N	=	4	
u	=	200.00	
Q	=	33.69	mm²

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

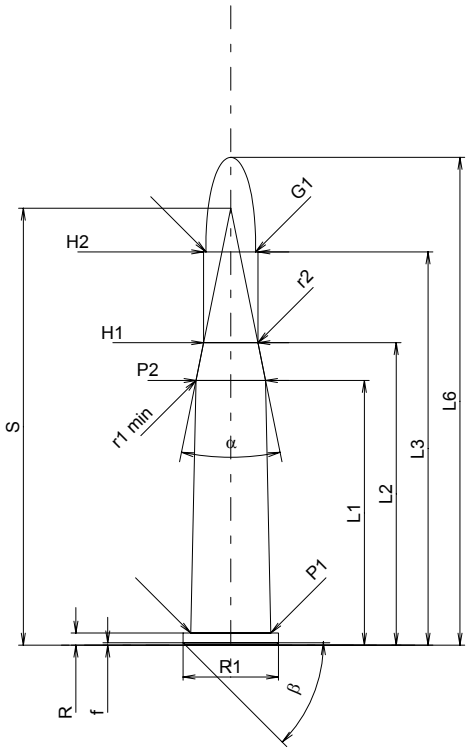
Notes: 1) Check for safety reasons
* Basic dimensions

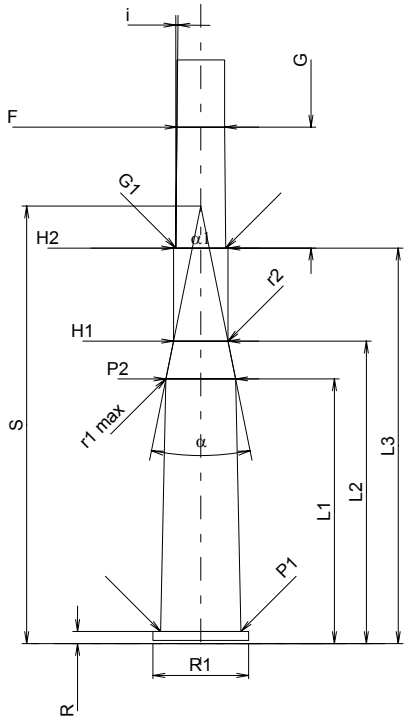
C.I.P.

6,5 x 52 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

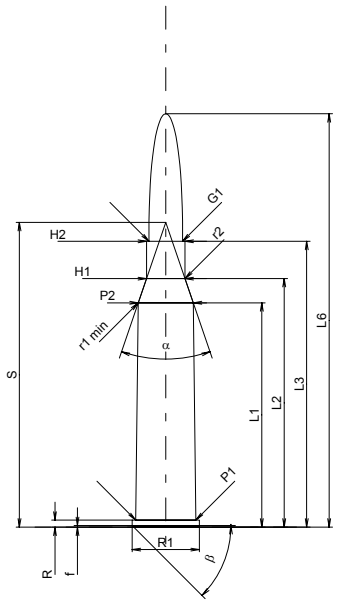
Notes: 1) Check for safety reasons
* Basic dimensions

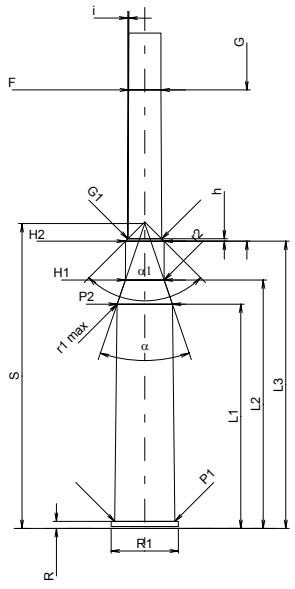
C.I.P.

6,5 x 57 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1 *	=	44.50	
L2 *	=	49.30	
L3 1)	=	56.70	
L4	=		
L5	=		
L6	=	82.00	

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	=	11.92
P2 *	=	10.94

Junction Cone

α	=	37°50'02"
S	=	60.46
r1 min	=	0.50
r2	=	0.50

Collar

H1 *	=	7.65
H2 1)	=	7.65

Projectile

G1 1)	=	6.70
G2	=	
F	=	
L3+G 1)	=	86.70

Pressures (Energies)
Method Transducer

Pmax	=	3300	bar
PK	=	3795	bar
PE	=	4125	bar
M	=	25.00	
EE	=	3055	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	44.50
L2 *	=	49.30
L3 1)	=	57.00

Breech

R 1)	=	1.40
R1	=	13.37
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 1)	=	11.95
P2 *	=	10.97

Junction Cone

α	=	37°50'02"
S	=	60.50
r1 max	=	0.50
r2	=	0.50

Collar

H1 *	=	7.68
H2 1)	=	7.67

Commencement of Rifling

G1 1)*	=	6.75
G 1)*	=	30.00
α1	=	90°
h *	=	0.46
s	=	
i 1)	=	0°17'11"
w	=	

Barrel

F 1)*	=	6.45
Z 1)	=	6.70

Grooves

b	=	3.50	
N	=	4	
u	=	200.00	
Q	=	34.52	mm²

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

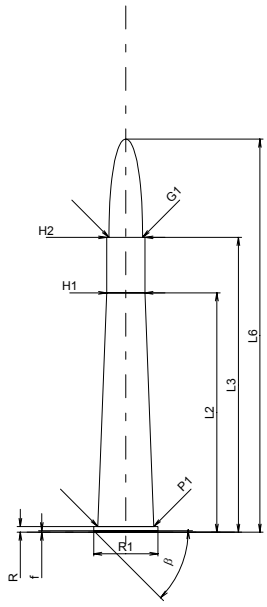
Notes: 1) Check for safety reasons
* Basic dimensions

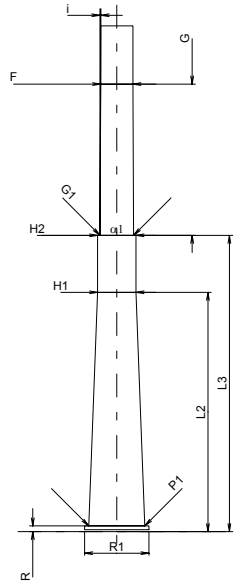
C.I.P.

6,5 x 58 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	11.10
P2	=	

Junction Cone

α	=	
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

α	=	
S	=	
r1 max	=	
r2	=	

Collar

H1 *	=	7.60
H2 1)	=	7.59

Commencement of Rifling

G1 1)*	=	6.70
G 1)*	=	30.00
α1	=	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

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

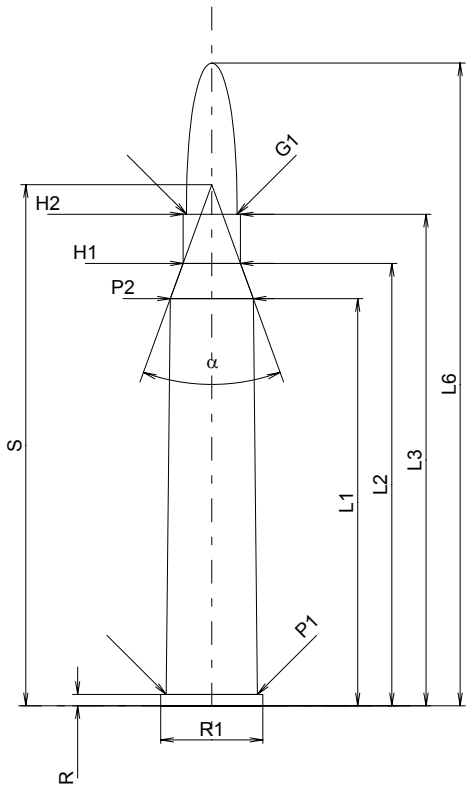
Notes: 1) Check for safety reasons
* Basic dimensions

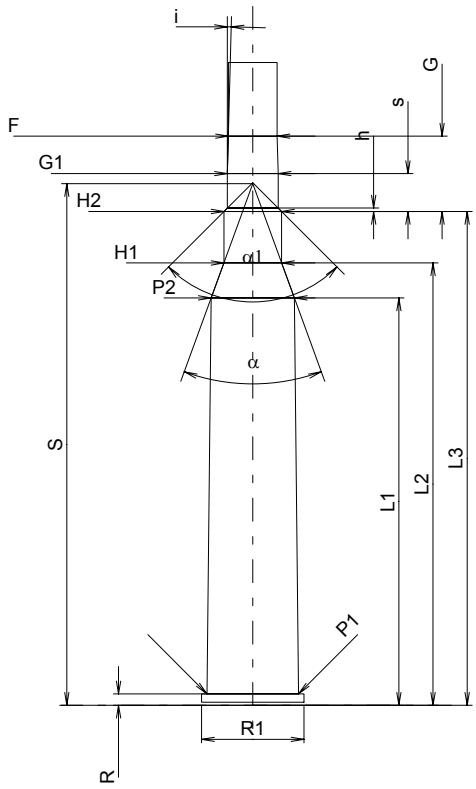
C.I.P.

6,5 x 65 R RWS

Country of Origin: DE

TAB.	**II**
Date	**90-04-05**
Revision	**02-05-15**





Scale 1:1

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
α1	=	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	mm²

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

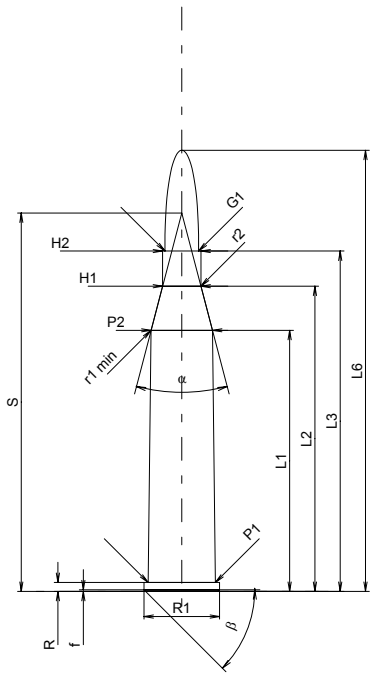
Notes: 1) Check for safety reasons
* Basic dimensions

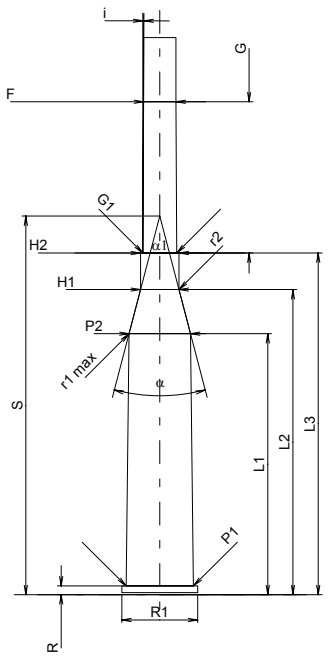
C.I.P.

6,5 x 68 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1 *	=	51.78	
L2 *	=	60.53	
L3 1)	=	67.50	
L4	=		
L5	=		
L6	=	87.50	

Case Head

R 1)	=	1.75	-0.25
R1	=	15.00	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	13.34
P2 *	=	12.18

Junction Cone

α	=	29°19'59"
S	=	75.05
r1 min	=	0.50
r2	=	0.50

Collar

H1 *	=	7.60
H2 1)	=	7.60

Projectile

G1 1)	=	6.70
G2	=	
F	=	
L3+G 1)	=	97.50

Pressures (Energies)
Method Transducer

Pmax	=	3900	bar
PK	=	4485	bar
PE	=	4875	bar
M	=	25.00	
EE	=	3810	Joule

Miscellaneous Dimensions

Fe 1)	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	51.78
L2 *	=	60.53
L3 1)	=	67.80

Breech

R 1)	=	1.75
R1	=	15.05
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 1)	=	13.37
P2 *	=	12.21

Junction Cone

α	=	29°19'58"
S	=	75.11
r1 max	=	0.50
r2	=	0.50

Collar

H1 *	=	7.63
H2 1)	=	7.63

Commencement of Rifling

G1 1)*	=	6.75
G 1)*	=	30.00
α1	=	180°
h	=	
s	=	
i 1)	=	0°17'11"
w	=	

Barrel

F 1)*	=	6.45
Z 1)	=	6.70

Grooves

b	=	3.50	
N	=	4	
u	=	250.00	
Q	=	34.52	mm²

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

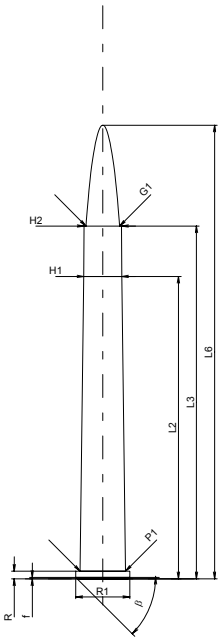
Notes: 1) Check for safety reasons
* Basic dimensions

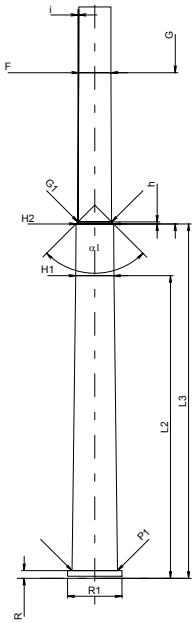
C.I.P.

6,5 x 70 R

Country of Origin: DE/AT

TAB.	**II**
Date	**86-04-11**
Revision	**02-05-15**





Scale 1:1.5

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	mm²

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

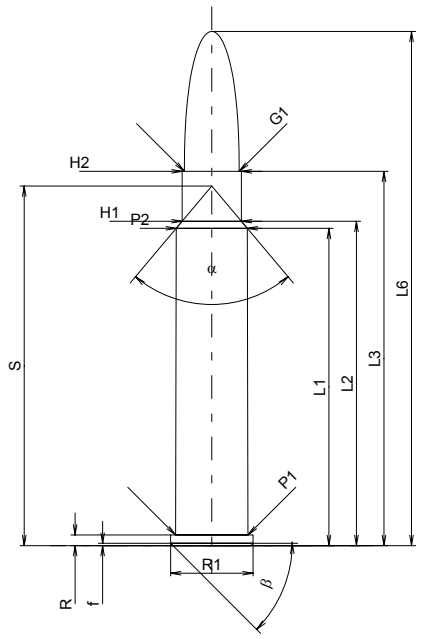
Notes: 1) Check for safety reasons
* Basic dimensions

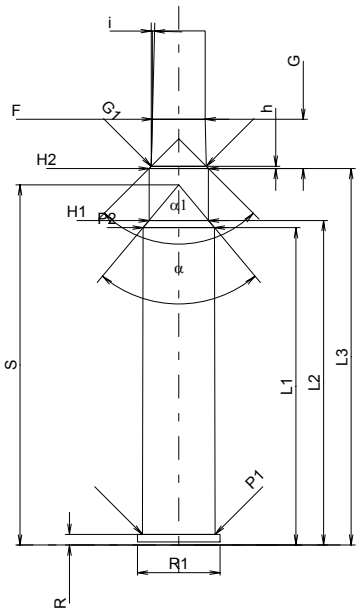
C.I.P.

7 x 50 R

Country of Origin: DE

TAB.	**II**
Date	**92-02-27**
Revision	**02-05-15**





Scale 1:1

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	9.59
P2 *	=	9.40

Junction Cone

α	=	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

α	=	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
α1	=	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

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

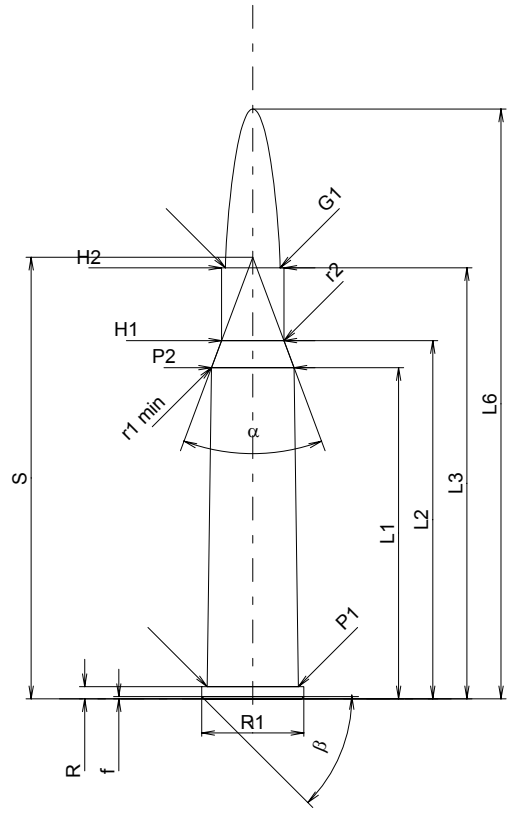
Notes: 1) Check for safety reasons
* Basic dimensions

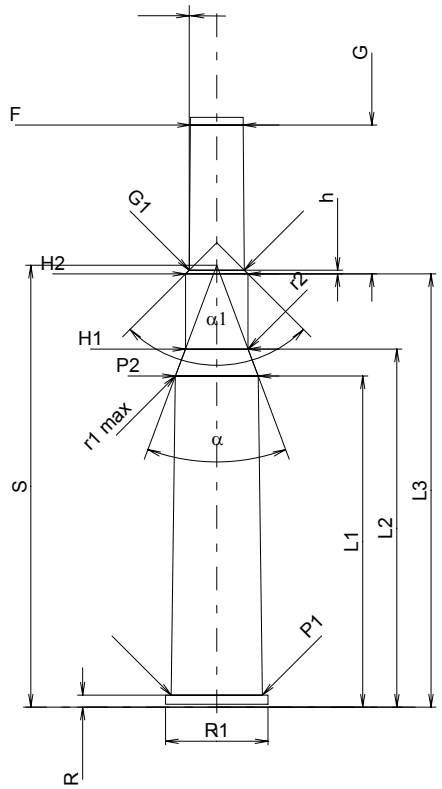
C.I.P.

7 x 57 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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	mm²

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

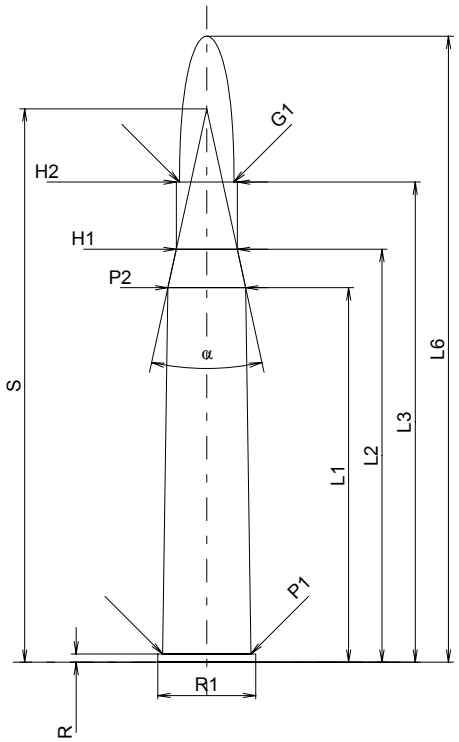
Notes: 1) Check for safety reasons
* Basic dimensions

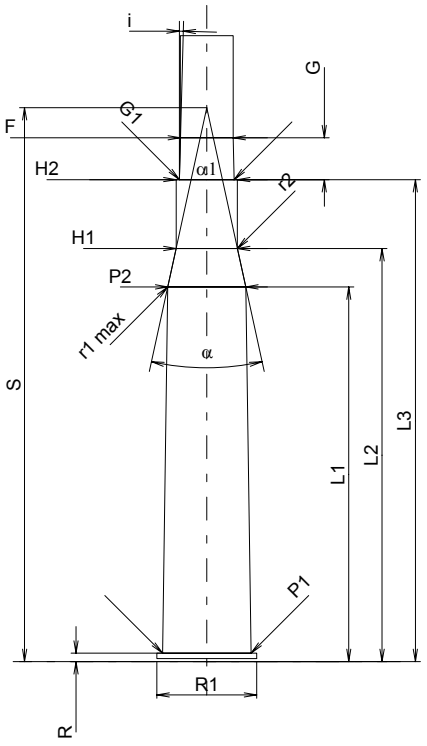
C.I.P.

7mm Mag. Fl. H.&H.

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

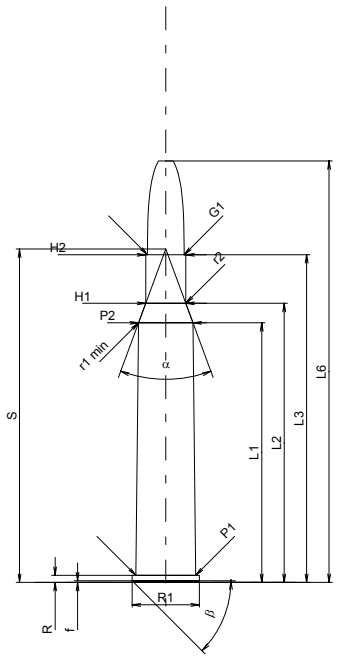
Notes: 1) Check for safety reasons
* Basic dimensions

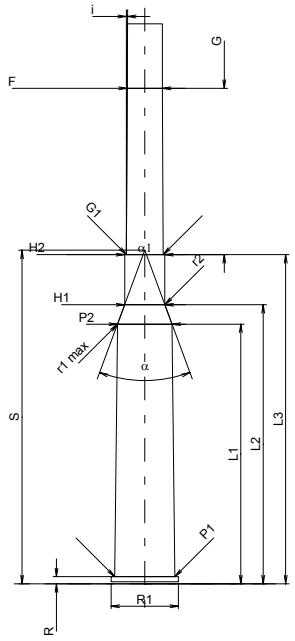
C.I.P.

7 x 65 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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	mm²

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

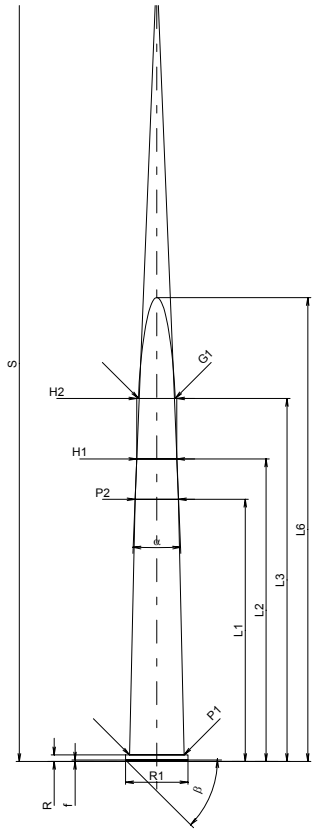
Notes: 1) Check for safety reasons
* Basic dimensions

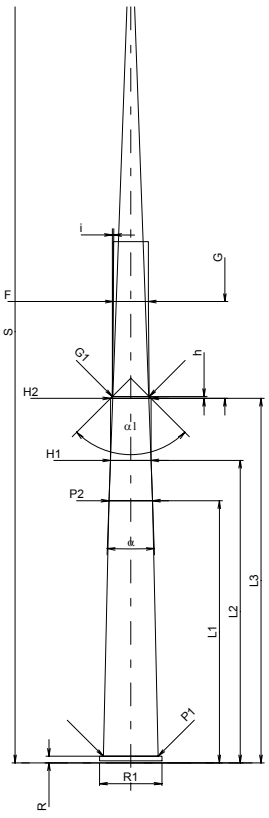
C.I.P.

7 x 72 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	10.85
P2 *	=	8.60

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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

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

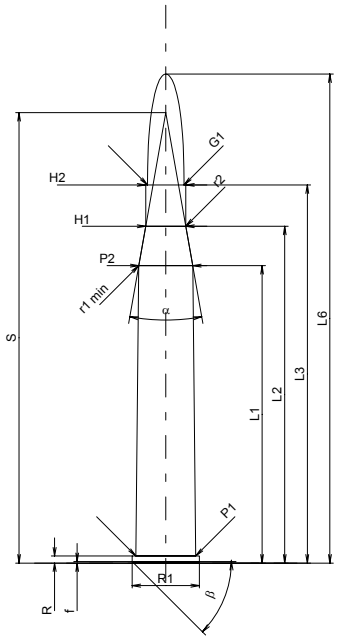
Notes: 1) Check for safety reasons
* Basic dimensions

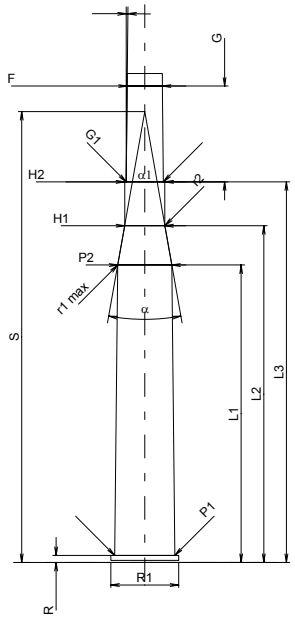
C.I.P.

7 x 75 R SE.v.H.

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1 *	=	59.00
L2 *	=	66.80
L3 1)	=	75.00
L4	=	
L5	=	
L6	=	97.00

Case Head

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

Powder Chamber

P1	=	11.90
P2 *	=	10.70

Junction Cone

α	=	19°59'42"
S	=	89.35
r1 min	=	0.50
r2	=	0.50

Collar

H1 *	=	7.95
H2 1)	=	7.95

Projectile

G1 1)	=	7.24
G2	=	
F	=	
L3+G 1)	=	94.00

Pressures (Energies)
Method Transducer

Pmax	=	4150	bar
PK	=	4773	bar
PE	=	5190	bar
M	=	25.00	
EE	=	4830	Joule

Miscellaneous Dimensions

Fe 1)	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	59.00
L2 *	=	66.80
L3 1)	=	75.50

Breech

R 1)	=	1.40
R1	=	13.45
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 1)	=	11.93
P2 *	=	10.73

Junction Cone

α	=	19°59'42"
S	=	89.43
r1 max	=	0.50
r2	=	0.50

Collar

H1 *	=	7.98
H2 1)	=	7.97

Commencement of Rifling

G1 1)*	=	7.36
G 1)*	=	19.00
α1	=	180°
h	=	
s	=	
i 1)	=	0°34'22"
w	=	

Barrel

F 1)*	=	6.98
Z 1)	=	7.24

Grooves

b	=	3.70	
N	=	4	
u	=	240.00	
Q	=	40.29	mm²

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

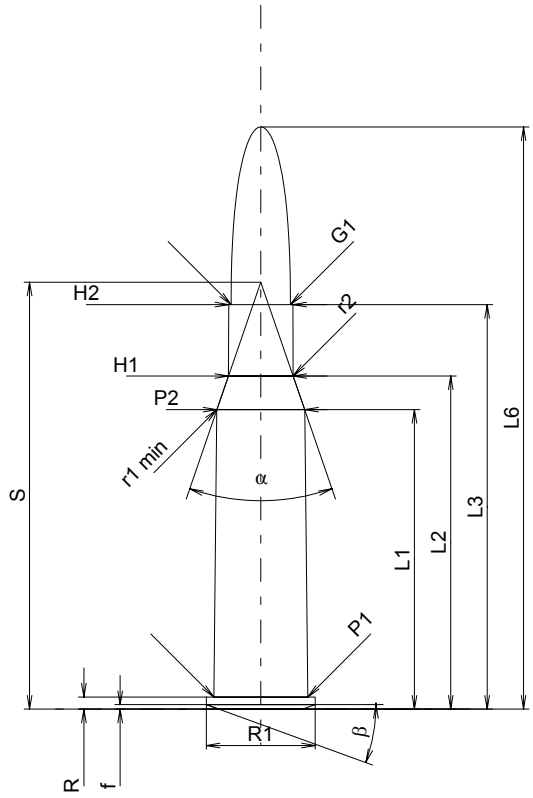
Notes: 1) Check for safety reasons
* Basic dimensions

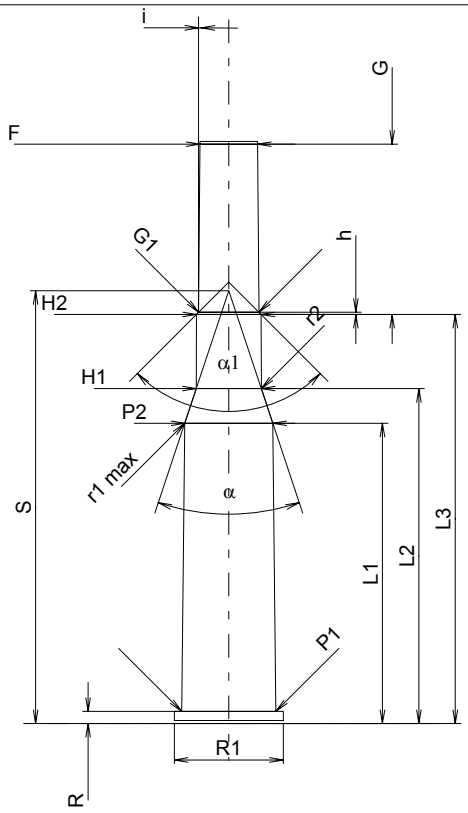
C.I.P.

7,62 x 53 R

Country of Origin: FI

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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	mm²

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

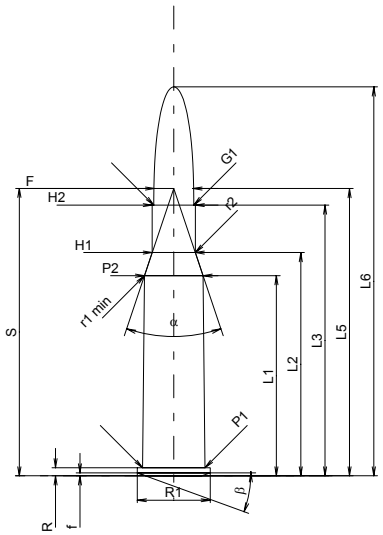
Notes: 1) Check for safety reasons
* Basic dimensions

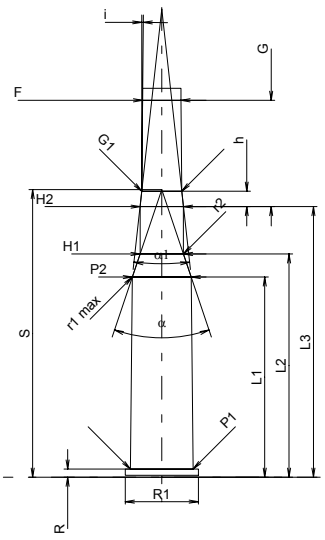
C.I.P.

7,62 x 54 R

Country of Origin: SU

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

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

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

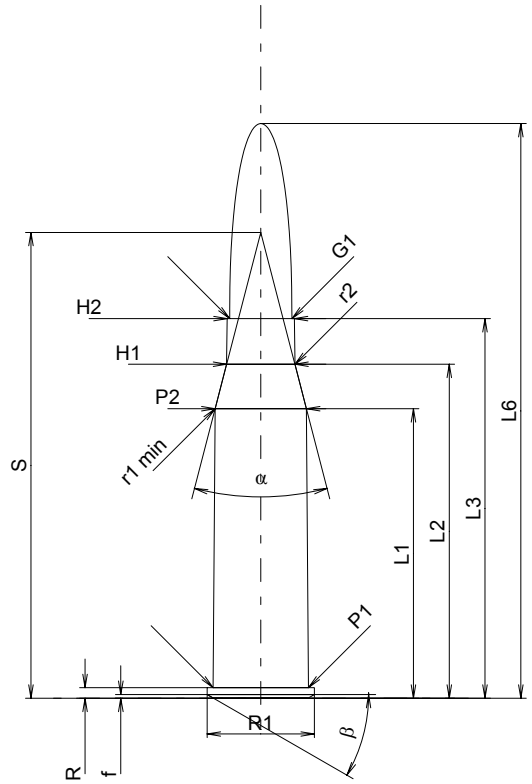
Notes: 1) Check for safety reasons
* Basic dimensions

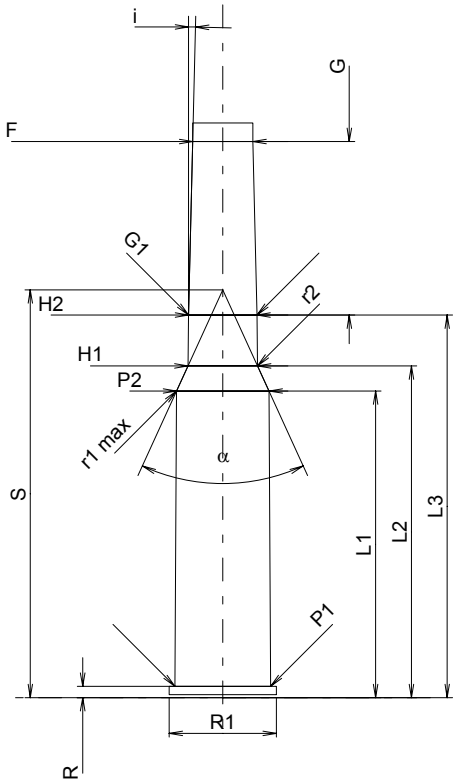
C.I.P.

8 x 50 R

Country of Origin: AT

TAB.	**II**
Date	**89-10-06**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=		
δ	=		
f	=	0.50	
β	=	30°	

Powder Chamber

P1	=	12.60
P2 *	=	12.09

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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	mm²

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

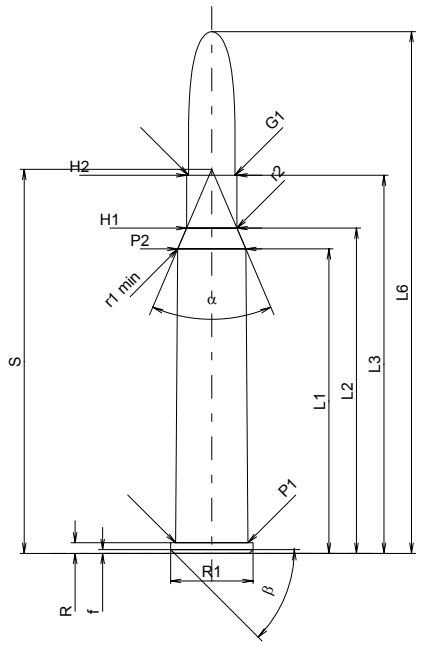
Notes: 1) Check for safety reasons
* Basic dimensions

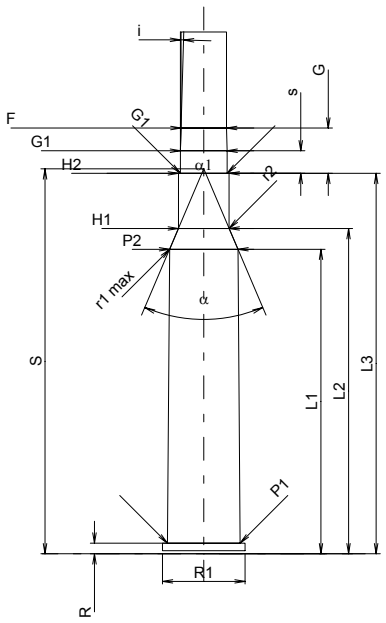
C.I.P.

8 x 56 RM 30

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	=		
δ	=		
f	=	0.50	
β	=	45°	

Powder Chamber

P1	=	9.59
P2 *	=	9.00

Junction Cone

α	=	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

α	=	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
α1	=	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

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

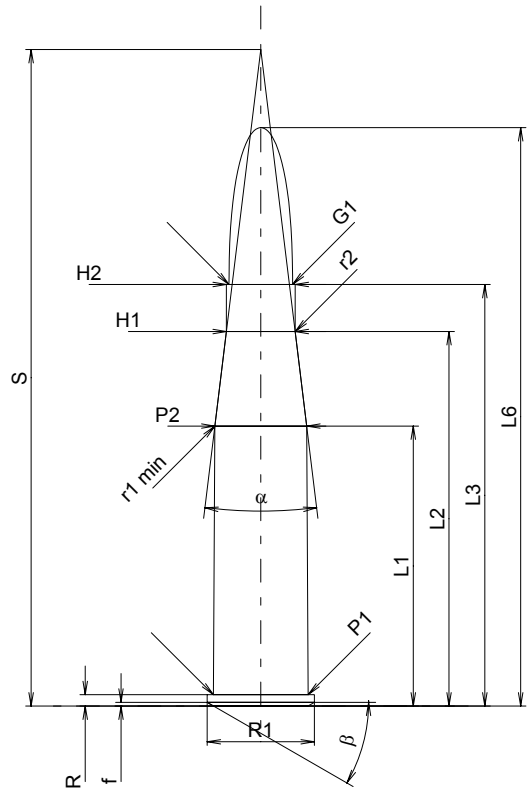
Notes: 1) Check for safety reasons
* Basic dimensions

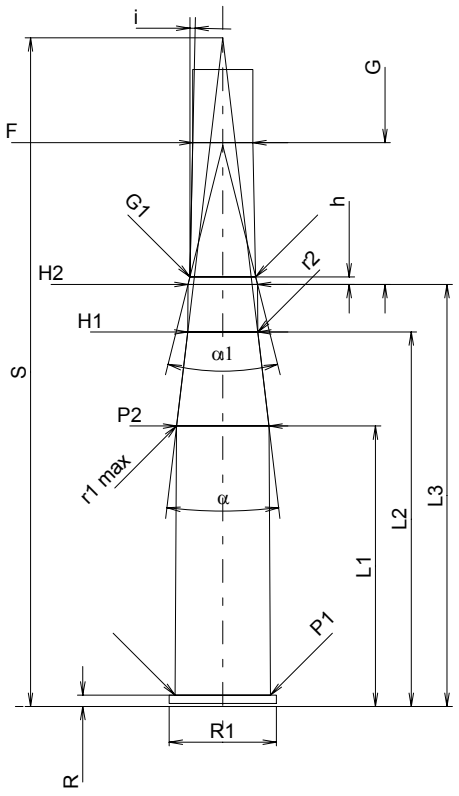
C.I.P.

8 x 56 RM 30S

Country of Origin: AT

TAB.	**II**
Date	**88-01-30**
Revision	**02-05-15**





Scale 1:1

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	=		
δ	=		
f	=	0.50	
β	=	30°	

Powder Chamber

P1	=	12.55
P2 *	=	12.15

Junction Cone

α	=	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

α	=	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
α1	=	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	mm²

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

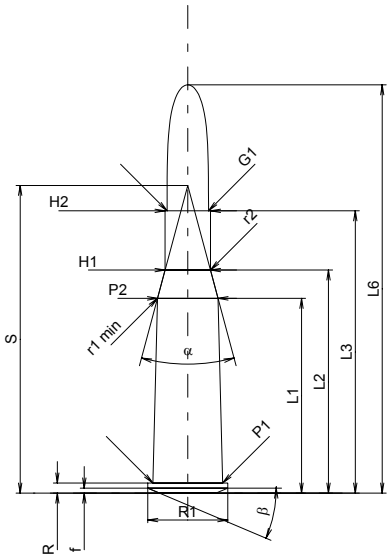
Notes: 1) Check for safety reasons
* Basic dimensions

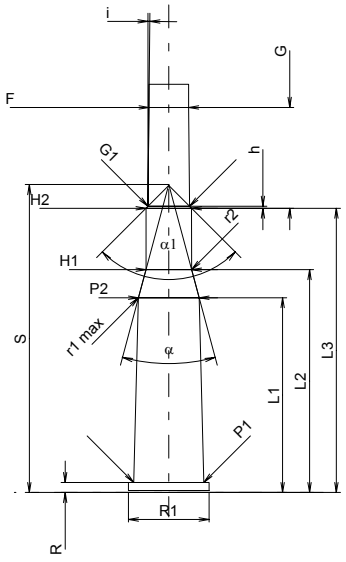
C.I.P.

8 x 56 RM Port. Krop.

Country of Origin: PT

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=		
δ	=		
f	=	1.00	
β	=	23°	

Powder Chamber

P1	=	13.85
P2 *	=	12.00

Junction Cone

α *	=	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	=	

CHAMBER MINI

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

α *	=	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
α1 *	=	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

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

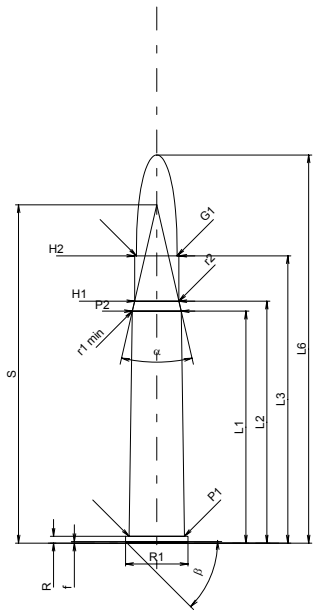
Notes: 1) Check for safety reasons
* Basic dimensions

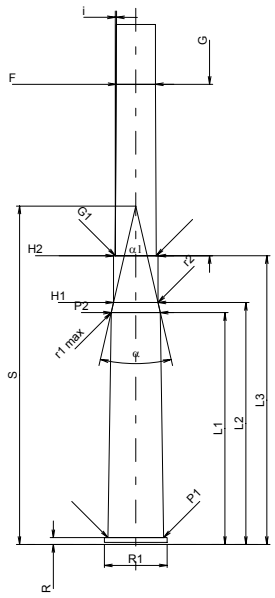
C.I.P.

8 x 57 R 360

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	11.00
P2 *	=	9.70

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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

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

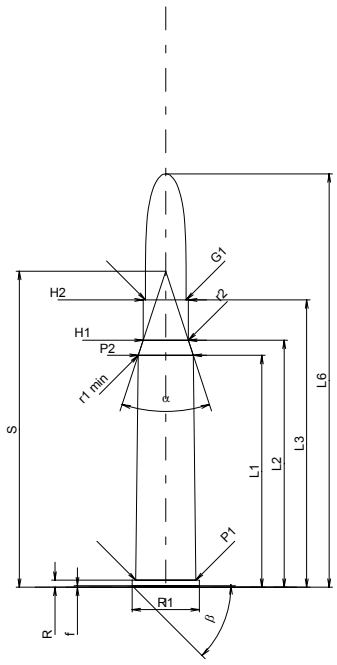
Notes: 1) Check for safety reasons
* Basic dimensions

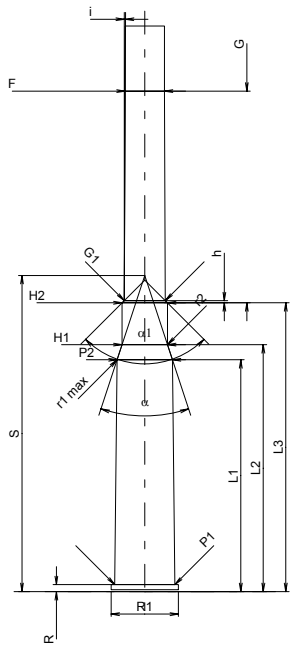
C.I.P.

8 x 57 IR

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1 *	=	46.00
L2 *	=	48.99
L3 1)	=	57.00
L4	=	
L5	=	
L6	=	82.00

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	=	11.92
P2 *	=	10.95

Junction Cone

α	=	36°21'
S	=	62.68
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	=	3200	bar
PK	=	3680	bar
PE	=	4000	bar
M	=	25.00	
EE	=	3315	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	46.00
L2 *	=	49.00
L3 1)	=	57.30

Breech

R 1)	=	1.40
R1	=	13.37
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 1)	=	11.95
P2 *	=	10.98

Junction Cone

α	=	36°21'10"
S	=	62.72
r1 max	=	0.50
r2	=	0.50

Collar

H1 *	=	9.01
H2 1)	=	9.00

Commencement of Rifling

G1 1)*	=	8.14
G 1)*	=	42.00
α1	=	90°
h *	=	0.43
s	=	
i 1)	=	0°14'19"
w	=	

Barrel

F 1)*	=	7.80
Z 1)	=	8.07

Grooves

b	=	4.40	
N	=	4	
u	=	240.00	
Q	=	50.30	mm²

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

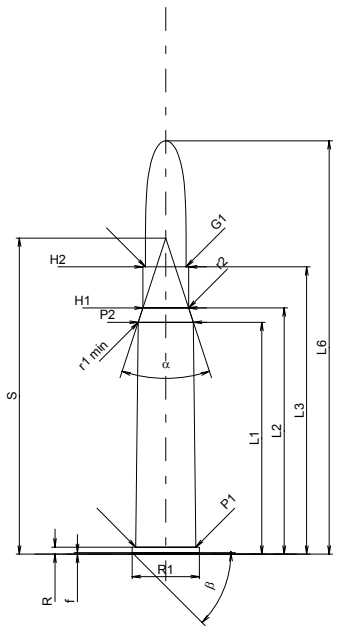
Notes: 1) Check for safety reasons
* Basic dimensions

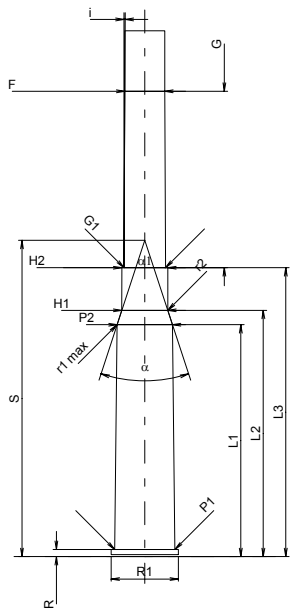
C.I.P.

8 x 57 IRS

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1 *	=	46.00
L2 *	=	48.85
L3 1)	=	57.00
L4	=	
L5	=	
L6	=	82.00

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	=	11.92
P2 *	=	10.95

Junction Cone

α	=	36°19'34"
S	=	62.69
r1 min	=	0.50
r2	=	0.50

Collar

H1 *	=	9.08
H2 1)	=	9.08

Projectile

G1 1)	=	8.09
G2	=	
F	=	
L3+G 1)	=	92.00

Pressures (Energies)
Method Transducer

Pmax	=	3300	bar
PK	=	3795	bar
PE	=	4125	bar
M	=	25.00	
EE	=	3955	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	46.00
L2 *	=	48.85
L3 1)	=	57.30

Breech

R 1)	=	1.40
R1	=	13.37
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 1)	=	11.95
P2 *	=	10.98

Junction Cone

α	=	36°19'33"
S	=	62.73
r1 max	=	0.50
r2	=	0.50

Collar

H1 *	=	9.11
H2 1)	=	9.10

Commencement of Rifling

G1 1)*	=	8.24
G 1)*	=	35.00
α1	=	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

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

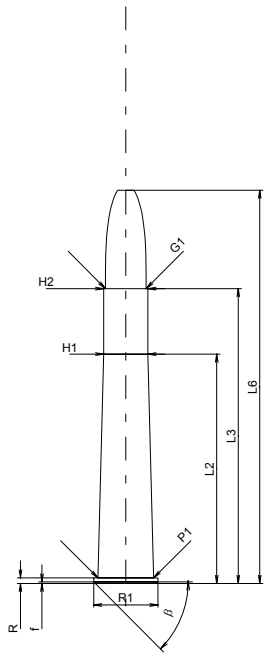
Notes: 1) Check for safety reasons
* Basic dimensions

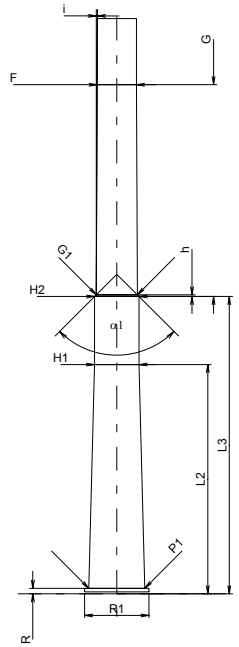
C.I.P.

8 x 58 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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	mm²

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

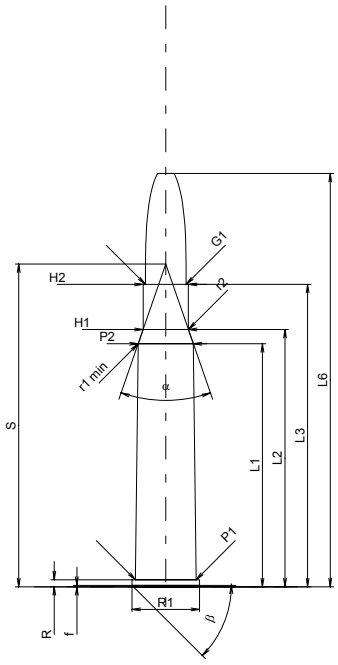
Notes: 1) Check for safety reasons
* Basic dimensions

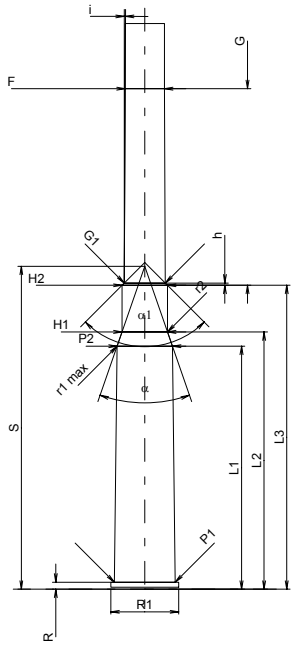
C.I.P.

8 x 60 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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	mm²

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

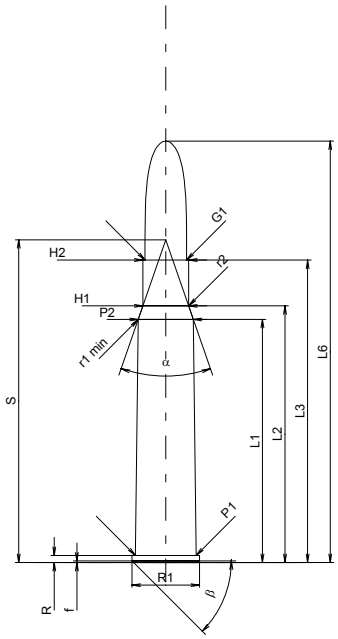
Notes: 1) Check for safety reasons
* Basic dimensions

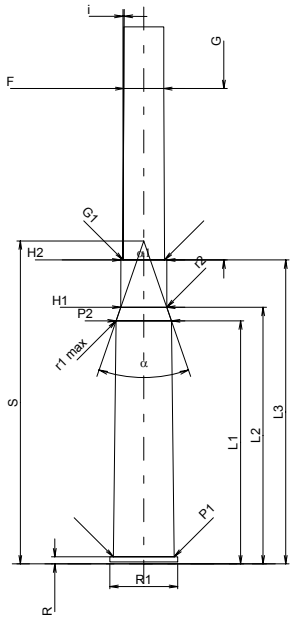
C.I.P.

8 x 60 RS

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	12.03
P2 *	=	10.95

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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

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

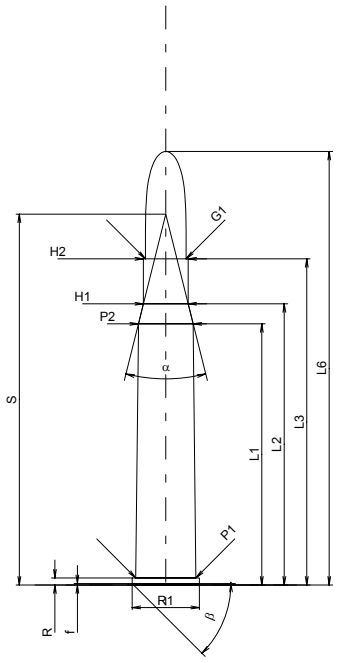
Notes: 1) Check for safety reasons
* Basic dimensions

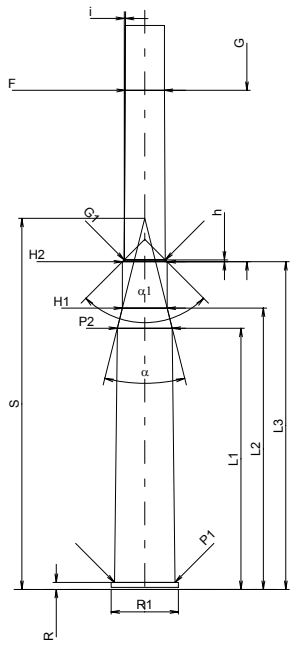
C.I.P.

8 x 65 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	11.95
P2 *	=	10.85

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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

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

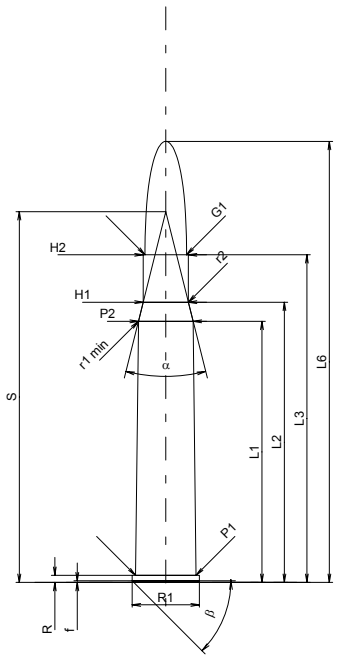
Notes: 1) Check for safety reasons
* Basic dimensions

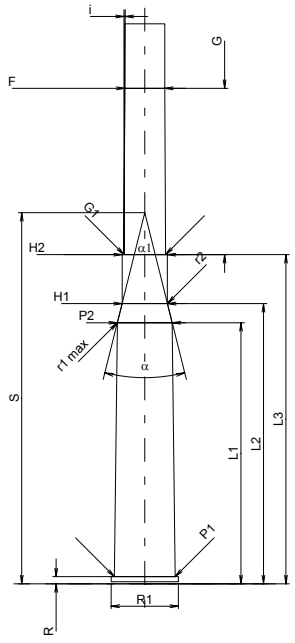
C.I.P.

8 x 65 RS

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1 *	=	51.80
L2 *	=	55.59
L3 1)	=	65.00
L4	=	
L5	=	
L6	=	87.50

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	=	11.99
P2 *	=	10.85

Junction Cone

α	=	28°
S	=	73.56
r1 min	=	0.50
r2	=	0.50

Collar

H1 *	=	8.96
H2 1)	=	8.96

Projectile

G1 1)	=	8.22
G2	=	
F	=	
L3+G 1)	=	98.00

Pressures (Energies)
Method Transducer

Pmax	=	4050	bar
PK	=	4658	bar
PE	=	5060	bar
M	=	25.00	
EE	=	4620	Joule

Miscellaneous Dimensions

Fe 1)	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	51.80
L2 *	=	55.59
L3 1)	=	65.30

Breech

R 1)	=	1.40
R1	=	13.37
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 1)	=	12.02
P2 *	=	10.88

Junction Cone

α	=	28°
S	=	73.62
r1 max	=	0.50
r2	=	0.50

Collar

H1 *	=	8.99
H2 1)	=	8.98

Commencement of Rifling

G1 1)*	=	8.22
G 1)*	=	33.00
α1	=	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

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

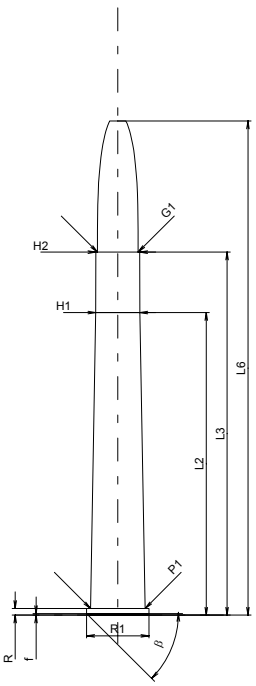
Notes: 1) Check for safety reasons
* Basic dimensions

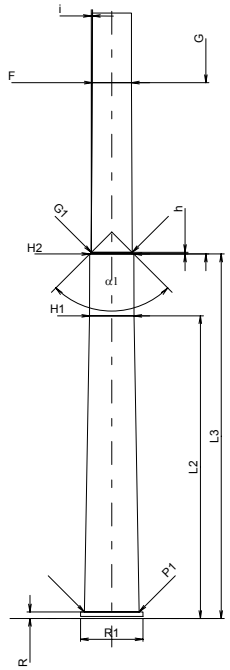
C.I.P.

8 x 72 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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	mm²

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

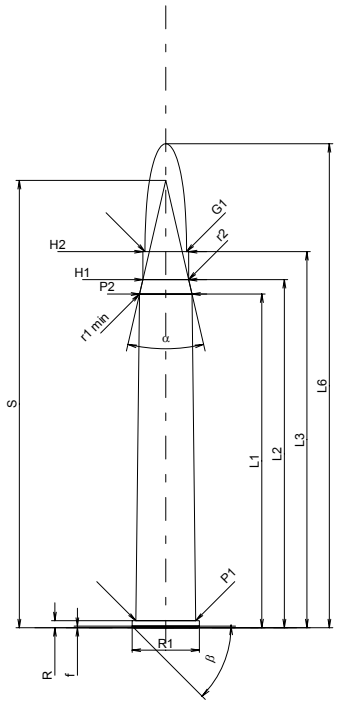
Notes: 1) Check for safety reasons
* Basic dimensions

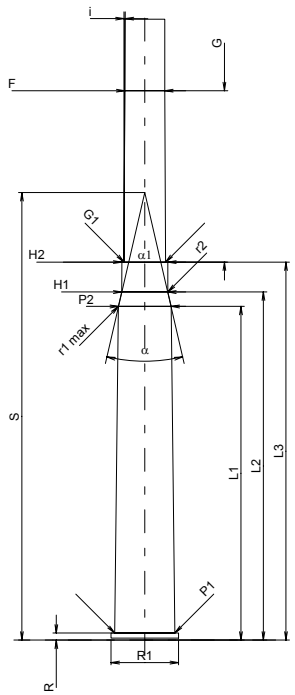
C.I.P.

8 x 75 RS

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1 *	=	66.20	
L2 *	=	69.06	
L3 1)	=	74.60	
L4	=		
L5	=		
L6	=	96.00	

Case Head

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

Powder Chamber

P1	=	11.90
P2 *	=	10.40

Junction Cone

α	=	26°
S	=	88.72
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)	=	108.60

Pressures (Energies)
Method Transducer

Pmax	=	3800	bar
PK	=	4370	bar
PE	=	4750	bar
M	=	25.00	
EE	=	4790	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	66.20
L2 *	=	69.06
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

α	=	26°
S	=	88.79
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
α1	=	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

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

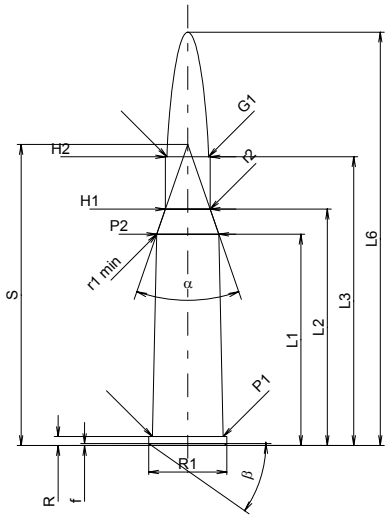
Notes: 1) Check for safety reasons
* Basic dimensions

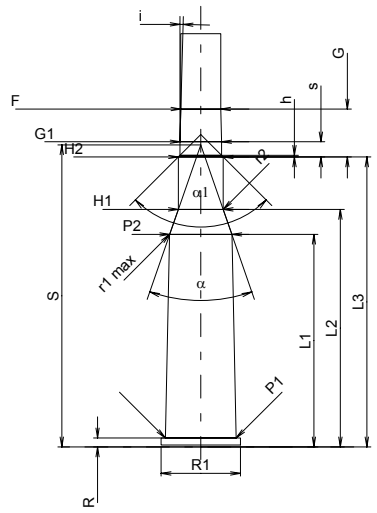
C.I.P.

8 mm - 348 Win.

Country of Origin: FR

TAB.	**II**
Date	**99-03-16**
Revision	**02-05-15**





Scale 1:1.5

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	=		
δ	=		
f	=	0.38	
β	=	35°	

Powder Chamber

P1	=	14.05
P2 *	=	12.32

Junction Cone

α	=	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

α	=	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
α1	=	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

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

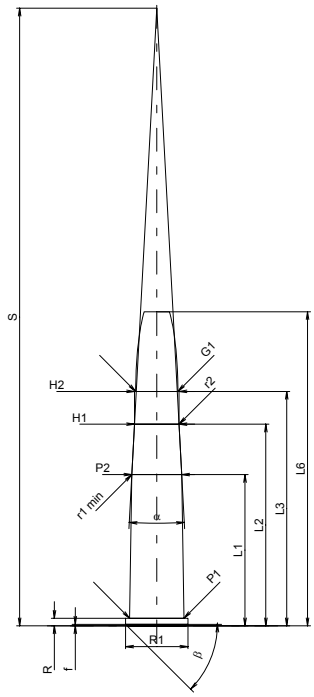
Notes: 1) Check for safety reasons
* Basic dimensions

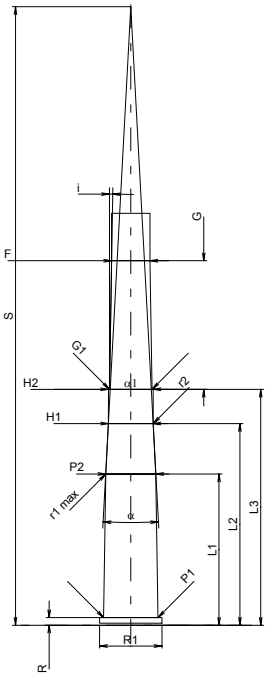
C.I.P.

8,15 x 46 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	10.75
P2 *	=	9.90

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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

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

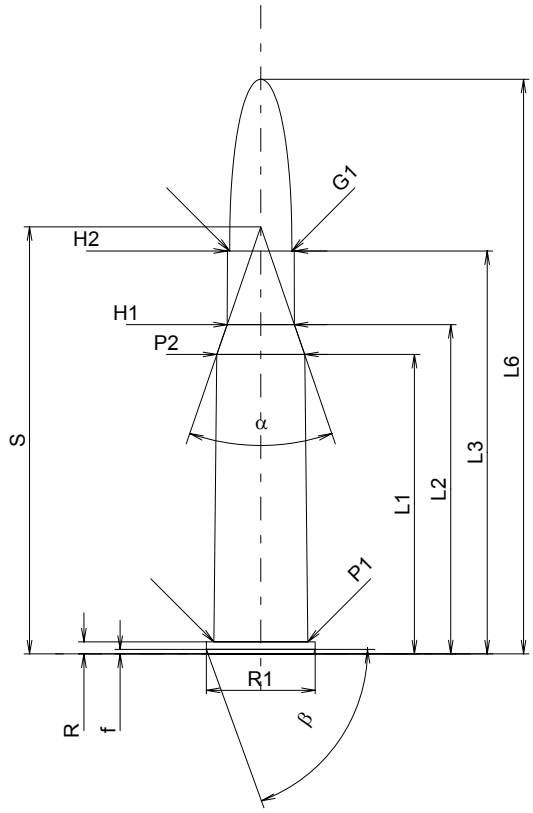
Notes: 1) Check for safety reasons
* Basic dimensions

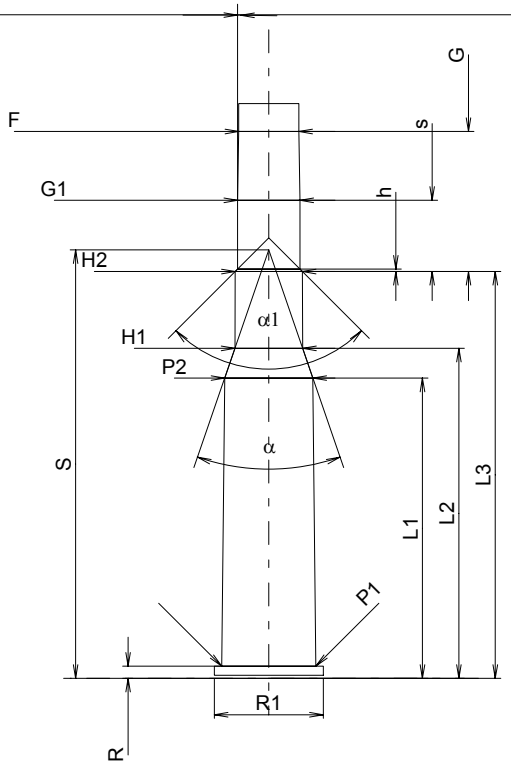
C.I.P.

8,2 x 53 R

Country of Origin: FI

TAB.	**II**
Date	**95-03-09**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

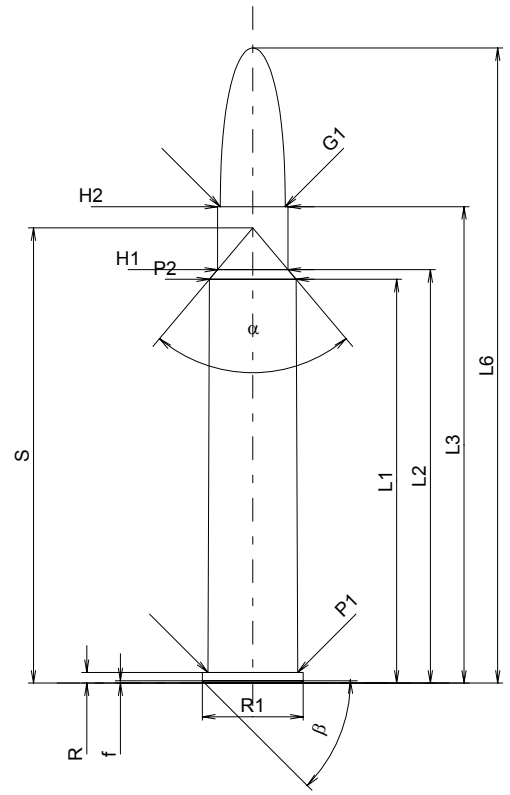
Notes: 1) Check for safety reasons
* Basic dimensions

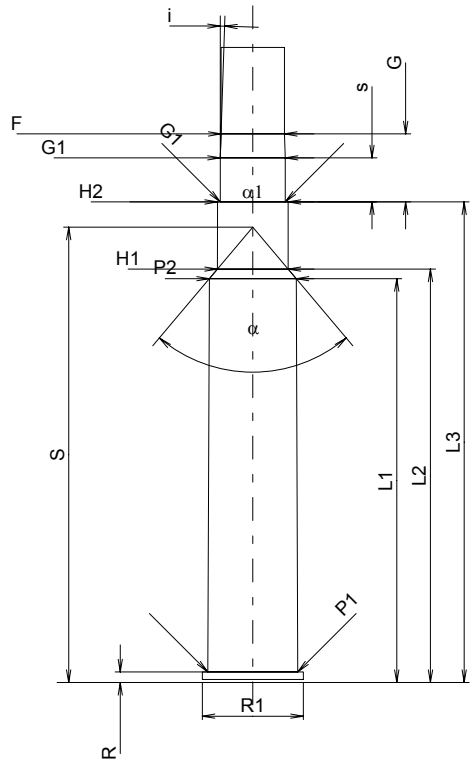
C.I.P.

8,5 x 63 R

Country of Origin: DE

TAB.	**II**
Date	**92-02-27**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	11.89
P2 *	=	11.47

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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	mm²

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

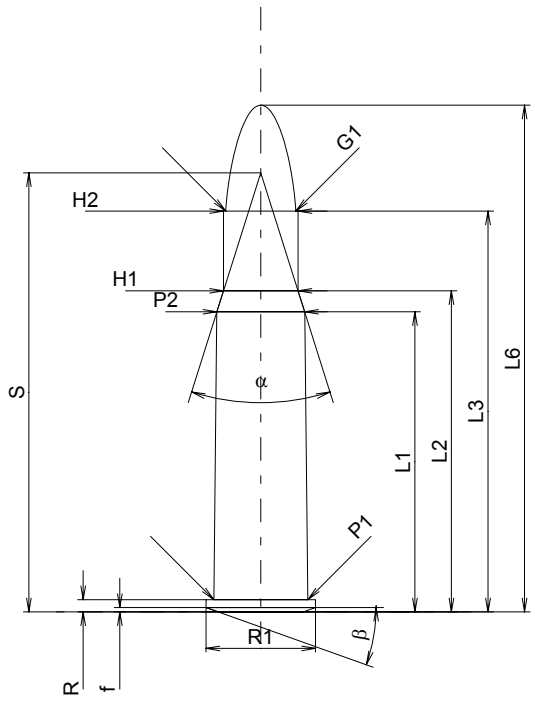
Notes: 1) Check for safety reasons
* Basic dimensions

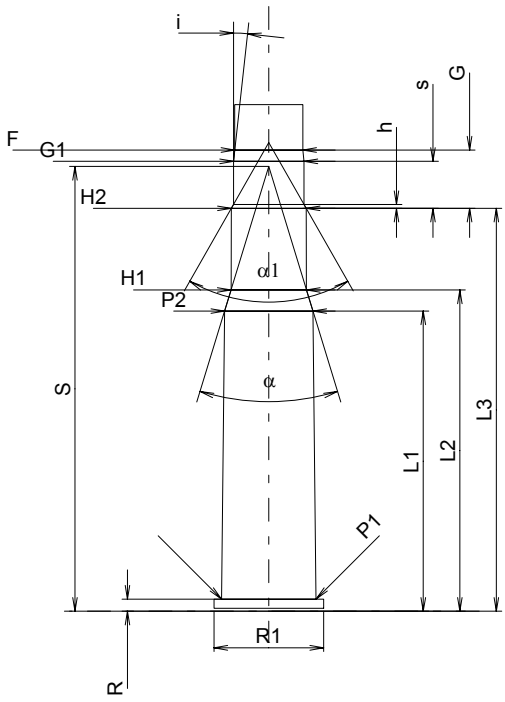
C.I.P.

9 x 53 R

Country of Origin: RU

TAB.	**II**
Date	**99-03-23**
Revision	**02-05-15**





Scale 1:1

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	=		
δ	=		
f	=	0.58	
β	=	19°40'	

Powder Chamber

P1	=	12.42
P2 *	=	11.61

Junction Cone

α	=	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

α	=	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
α1	=	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	mm²

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

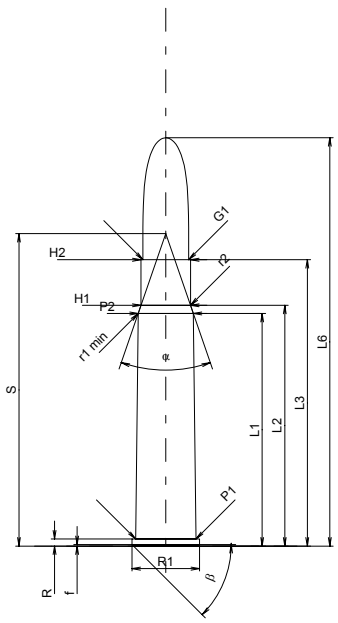
Notes: 1) Check for safety reasons
* Basic dimensions

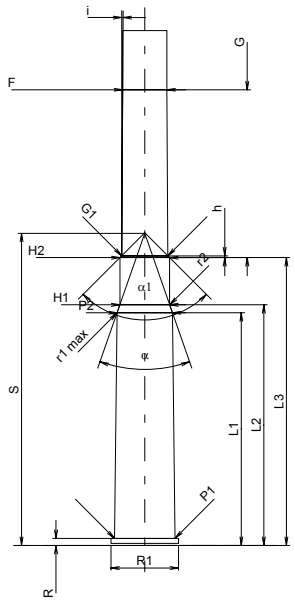
C.I.P.

9 x 57 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	11.96
P2 *	=	10.95

Junction Cone

α	=	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

α	=	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
α1	=	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

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

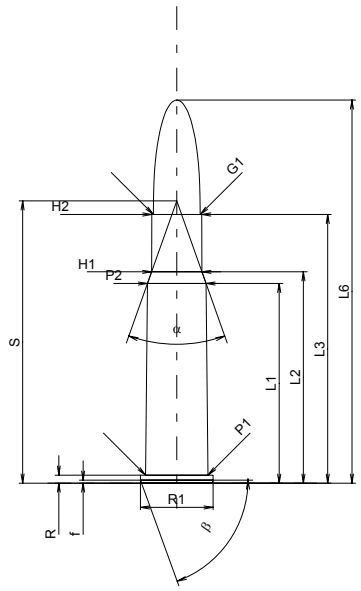
Notes: 1) Check for safety reasons
* Basic dimensions

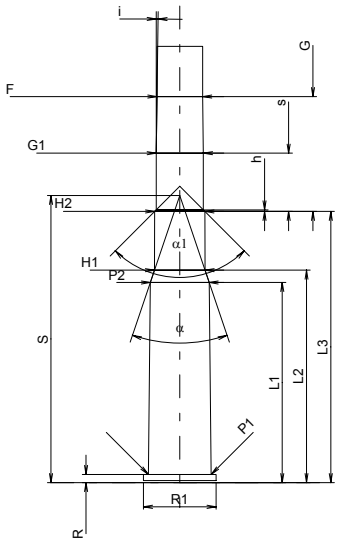
C.I.P.

9,3 x 53 R Finnish

Country of Origin: FI

TAB.	**II**
Date	**95-03-09**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI				CHAMBER MINI			
Lengths				**Lengths**			
L1 *	=	39.61		L1 *	=	39.70	
L2 *	=	41.94		L2 *	=	42.14	
L3 1)	=	53.30		L3 1)	=	53.80	
L4	=						
L5	=						
L6	=	76.00					
Case Head				**Breech**			
R 1)	=	1.60	-0.25	R 1)	=	1.60	
R1	=	14.40		R1	=	14.43	
R3	=			R2	=		
E	=			R3	=		
E1	=			r	=		
e min	=						
δ	=						
f	=	0.60					
β	=	70°					
Powder Chamber				**Powder Chamber**			
				E	=		
P1	=	12.42		P1 1)	=	12.45	
P2 *	=	11.61		P2 *	=	11.67	
Junction Cone				**Junction Cone**			
α	=	38°59'44"		α	=	37°21'43"	
S	=	56.00		S	=	56.96	
r1 min	=			r1 max	=		
r2	=			r2	=		
Collar				**Collar**			
H1 *	=	9.96		H1 *	=	10.02	
H2 1)	=	9.90		H2 1)	=	9.96	
Projectile				**Commencement of Rifling**			
G1 1)	=	9.30		G1 1)*	=	9.36	
G2	=			G 1)*	=	22.78	
F	=			α1	=	90°	
L3+G 1)	=	76.08		h	=	0.30	
				s *	=	11.55	
Pressures (Energies)				i 1)	=	0°47'25"	
Method Transducer				w	=		
Pmax	=	3400	bar	**Barrel**			
PK	=	3910	bar	F 1)*	=	9.05	
PE	=	4250	bar	Z 1)	=	9.28	
M	=	25.00		**Grooves**			
EE	=	4300	Joule	b	=	3.10	
				N	=	6	
				u	=	380.00	
				Q	=	66.51	mm²
Miscellaneous Dimensions							
Fe 1)	=	0.15					
delta L	=						

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

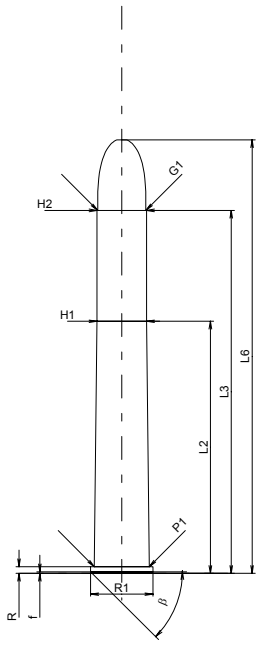
Notes: 1) Check for safety reasons
* Basic dimensions

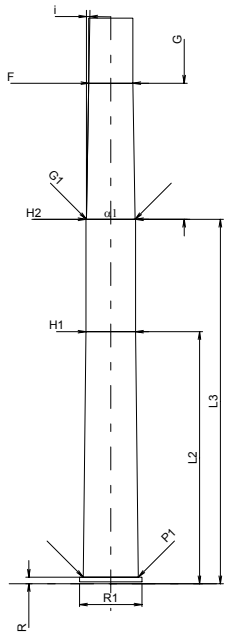
C.I.P.

9,3 x 72 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

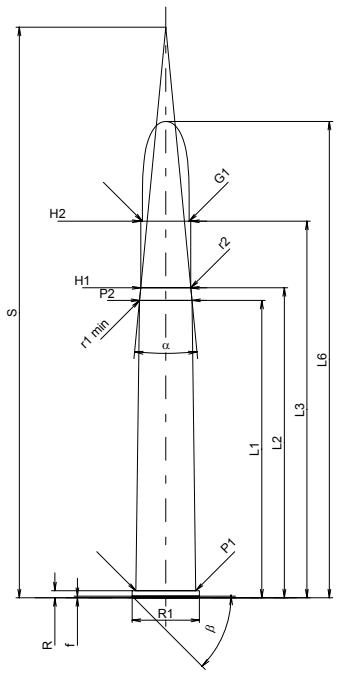
Notes: 1) Check for safety reasons
* Basic dimensions

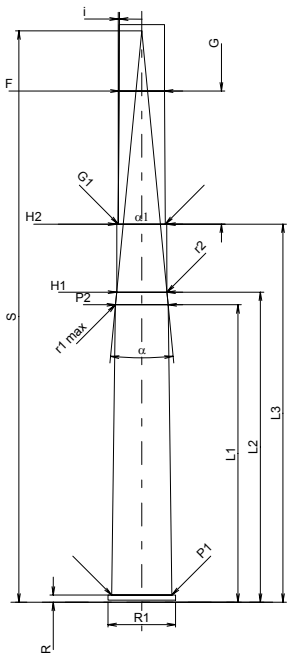
C.I.P.

9,3 x 74 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

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	=		
δ	=		
f	=	0.30	
β	=	45°	

Powder Chamber

P1	=	11.90
P2 *	=	10.40

Junction Cone

α	=	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

α	=	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
α1	=	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	mm²

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

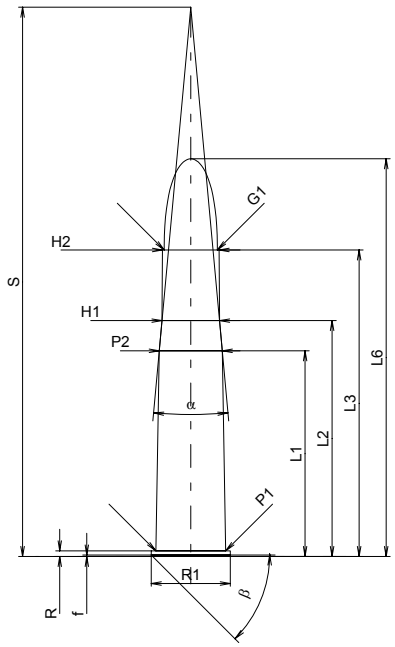
Notes: 1) Check for safety reasons
* Basic dimensions

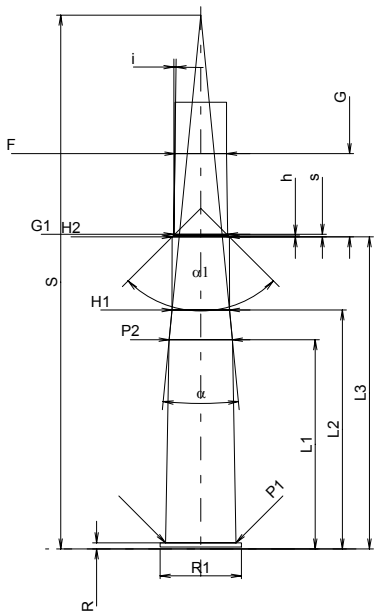
C.I.P.

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				CHAMBER MINI			
Lengths				**Lengths**			
L1	=	40.80		L1	=	41.50	
L2	=	46.80		L2	=	47.40	
L3 1)	=	60.80		L3 1)	=	61.90	
L4	=						
L5	=						
L6	=	78.90					
Case Head				**Breech**			
R 1)	=	1.10	-0.25	R 1)	=	1.20	
R1	=	15.70		R1	=	16.10	
R3	=			R2	=		
E	=			R3	=		
E1	=			r	=		
e min	=						
δ	=						
f	=	0.30					
β	=	45°					
Powder Chamber				**Powder Chamber**			
				E	=		
P1	=	13.85		P1 1)	=	13.95	
P2 *	=	12.50		P2 *	=	12.55	
Junction Cone				**Junction Cone**			
α *	=	10°28'30"		α *	=	11°07'58"	
S *	=	108.98		S *	=	105.88	
r1 min	=			r1 max	=		
r2	=			r2	=		
Collar				**Collar**			
H1 *	=	11.40		H1 *	=	11.40	
H2 1)	=	11.26		H2 1)	=	11.35	
Projectile				**Commencement of Rifling**			
G1 1)	=	10.54		G1 1)*	=	10.65	
G2	=			G 1)	=	16.50	
F	=			α1 *	=	90°	
L3+G 1)	=	77.30		h	=	0.35	
				s	=	0.50	
Pressures (Energies)				i 1)*	=	0°42'58"	
Method Transducer				w	=		
Pmax	=	2700	bar	**Barrel**			
PK	=	3105	bar	F 1)*	=	10.25	
PE	=	3375	bar	Z 1)	=	10.49	
M	=	25.00		**Grooves**			
EE	=	4620	Joule	b	=	3.60	
				N	=	6	
				u	=	450.00	
				Q	=	85.16	mm²
Miscellaneous Dimensions							
Fe 1)	=	0.15					
delta L	=						

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

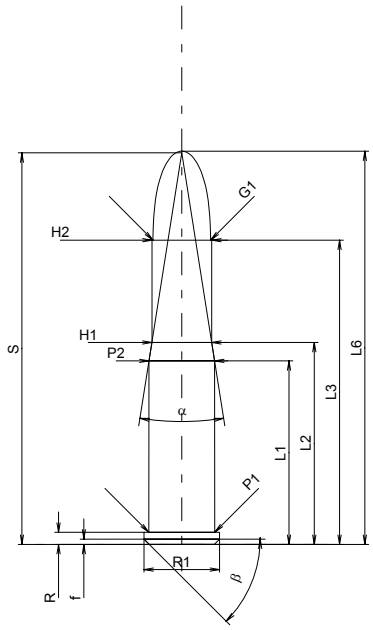
Notes: 1) Check for safety reasons
* Basic dimensions

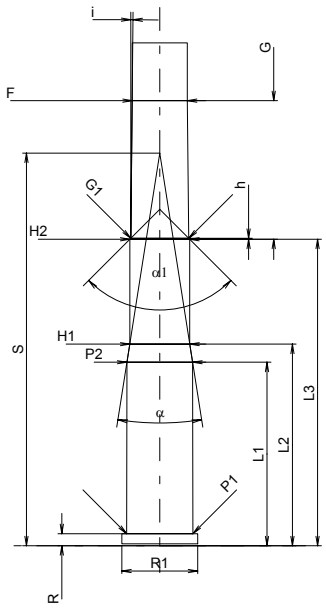
C.I.P.

11,15 x 60 R

Country of Origin: DE

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1 *	=	36.40
L2 *	=	40.05
L3 1)	=	60.35
L4	=	
L5	=	
L6	=	78.00

Case Head

R 1)	=	2.40	-0.25
R1	=	15.00	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=	1.05	
β	=	45°	

Powder Chamber

P1	=	13.10
P2 *	=	13.00

Junction Cone

α	=	17°54'18"
S	=	77.66
r1 min	=	
r2	=	

Collar

H1 *	=	11.85
H2 1)	=	11.85

Projectile

G1 1)	=	11.40
G2	=	
F	=	
L3+G 1)	=	87.85

Pressures (Energies)
Method Transducer

Pmax	=	2800	bar
PK	=	3220	bar
PE	=	3500	bar
M	=	25.00	
EE	=	2730	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	36.40
L2 *	=	40.00
L3 1)	=	60.80

Breech

R 1)	=	2.40
R1	=	15.05
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 1)	=	13.13
P2 *	=	13.03

Junction Cone

α	=	17°50'20"
S	=	77.91
r1 max	=	
r2	=	

Collar

H1 *	=	11.90
H2 1)	=	11.88

Commencement of Rifling

G1 1)*	=	11.50
G 1)*	=	27.50
α1	=	90°
h *	=	0.19
s	=	
i 1)	=	0°34'36"
w	=	

Barrel

F 1)*	=	10.95
Z 1)	=	11.50

Grooves

b	=	5.60	
N	=	4	
u	=	550.00	
Q	=	100.62	mm²

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

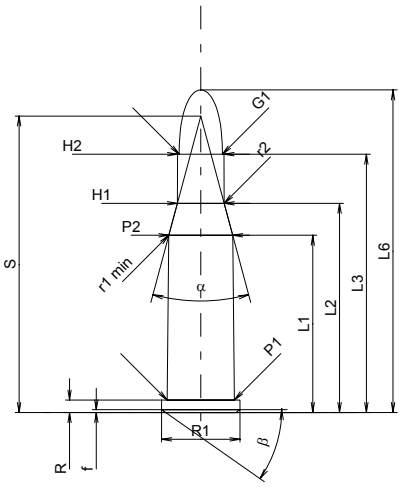
Notes: 1) Check for safety reasons
* Basic dimensions

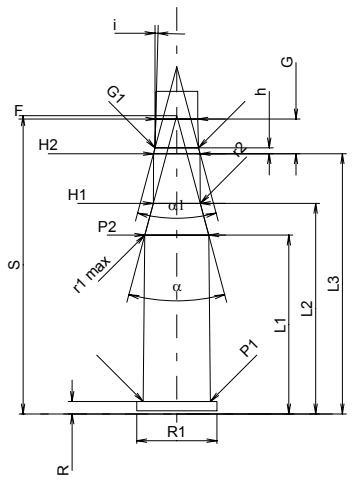
C.I.P.

218 Bee

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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	mm²

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

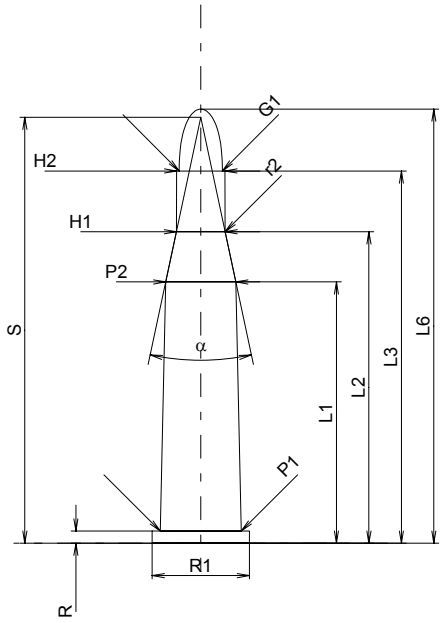
Notes: 1) Check for safety reasons
* Basic dimensions

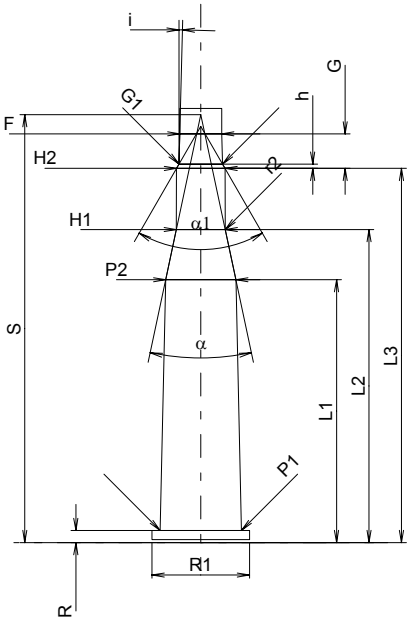
C.I.P.

219 Zipper

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

	CARTRIDGE MAXI		CHAMBER MINI
Lengths			
L1	34.55		34.76
L2	41.18		41.39
L3 1)	49.22		49.48
L4			
L5			
L6	57.40		
Case Head			**Breech**
R 1)	1.60	-0.25	R 1) 1.60
R1	12.85		R1 12.88
R3			R2
E			R3
E1			r
e min			
δ			
f			
β			
Powder Chamber			**Powder Chamber**
			E
P1	10.72		P1 1) 10.74
P2 *	9.26		P2 * 9.28
Junction Cone			**Junction Cone**
α *	24°		α * 24°
S *	56.33		S * 56.59
r1 min			r1 max
r2	8.00		r2 8.00
Collar			**Collar**
H1 *	6.44		H1 * 6.46
H2 1)	6.40		H2 1) 6.43
Projectile			**Commencement of Rifling**
G1 1)	5.70		G1 1)* 5.77
G2			G 1) 4.58
F			α1 * 60°
L3+G 1)	53.80		h 0.57
			s
Pressures (Energies)			i 1)* 1°30'
Method Transducer			w
Pmax	2850 bar		**Barrel**
PK	3278 bar		F 1)* 5.56
PE	3560 bar		Z 1) 5.69
M	25.00		**Grooves**
EE	1935 Joule		b 1.88
			N 6
			u 406.00
			Q 25.03 mm²
Miscellaneous Dimensions			
Fe 1)	0.15		
delta L			

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

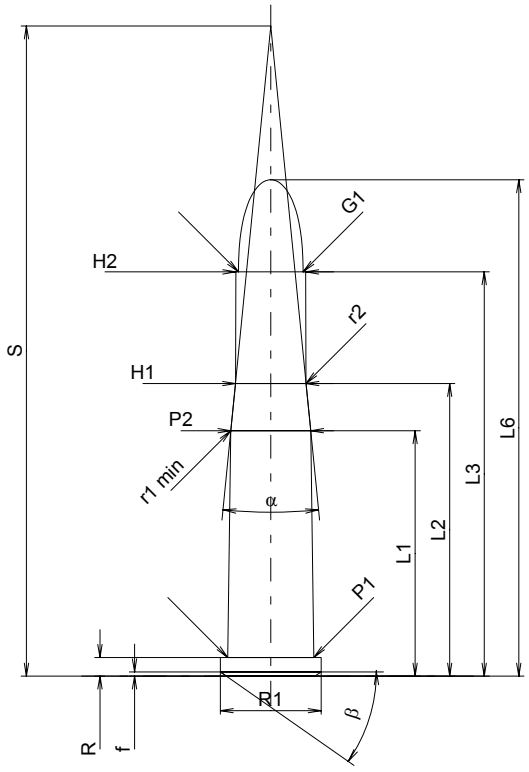
Notes: 1) Check for safety reasons
* Basic dimensions

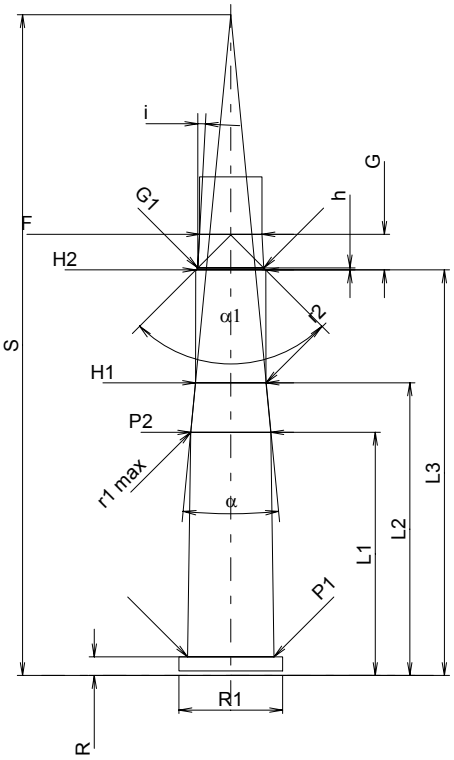
C.I.P.

22 Hornet

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1.5:1

CARTRIDGE MAXI

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	=		
δ	=		
f	=	0.38	
β	=	35°	

Powder Chamber

P1	=	7.59
P2 *	=	7.04

Junction Cone

α *	=	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	=	

CHAMBER MINI

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

α *	=	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
α1 *	=	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

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

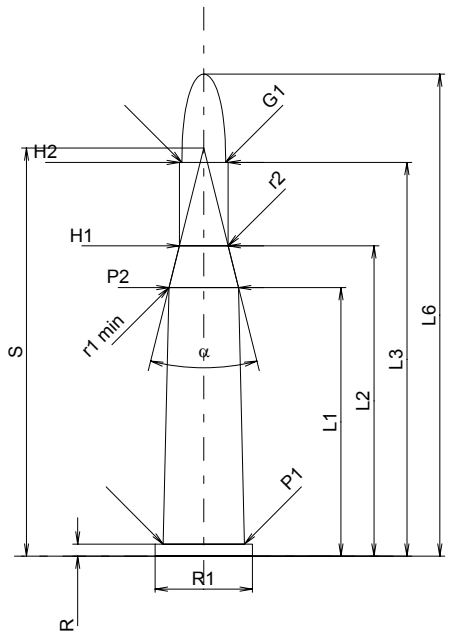
Notes: 1) Check for safety reasons
* Basic dimensions

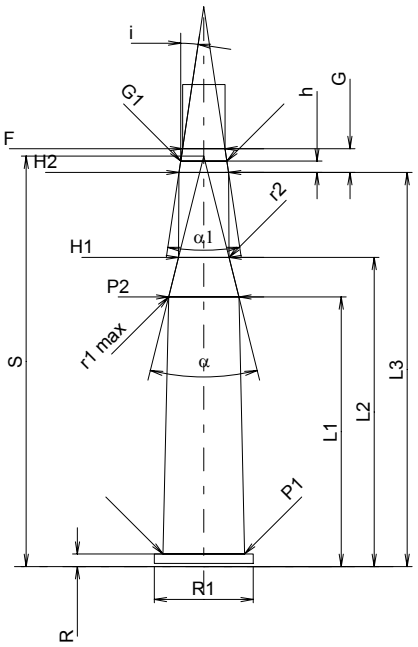
C.I.P.

22 Savage

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

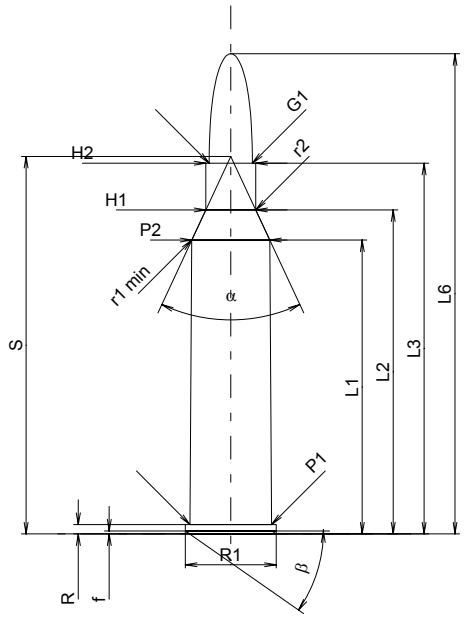
Notes: 1) Check for safety reasons
* Basic dimensions

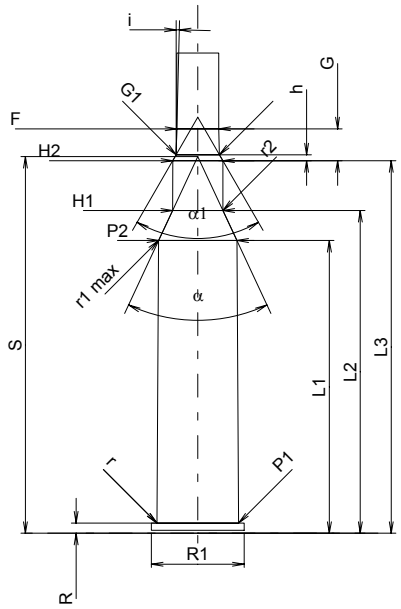
C.I.P.

225 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

Lengths

L1	=	38.86	
L2	=	42.84	
L3 [1)]	=	49.02	
L4	=		
L5	=		
L6	=	63.50	

Case Head

R [1)]	=	1.24	-0.25
R1	=	12.01	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=	0.38	
β	=	35°	

Powder Chamber

P1	=	10.77
P2 *	=	10.31

Junction Cone

α *	=	50°
S *	=	49.92
r1 min	=	0.76
r2	=	2.54

Collar

H1 *	=	6.60
H2 [1)]	=	6.60

Projectile

G1 [1)]	=	5.70
G2	=	
F	=	
L3+G [1)]	=	53.23

Pressures (Energies)
Method Transducer

Pmax	=	3900	bar
PK	=	4485	bar
PE	=	4875	bar
M	=	25.00	
EE	=	2195	Joule

Miscellaneous Dimensions

Fe [1)]	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	38.72
L2	=	42.69
L3 [1)]	=	49.28

Breech

R [1)]	=	1.35
R1	=	12.27
R2	=	
R3	=	
r	=	0.80

Powder Chamber

E	=	
P1 [1)]	=	10.80
P2 *	=	10.35

Junction Cone

α *	=	50°
S *	=	49.82
r1 max	=	0.76
r2	=	2.54

Collar

H1 *	=	6.65
H2 [1)]	=	6.63

Commencement of Rifling

G1 [1)*]	=	5.74
G [1)]	=	4.21
α1 *	=	60°
h	=	0.77
s	=	
i [1)*]	=	1°30'
w	=	

Barrel

F [1)*]	=	5.56
Z [1)]	=	5.68

Grooves

b	=	1.88	
N	=	6	
u	=	356.00	
Q	=	24.97	mm²

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

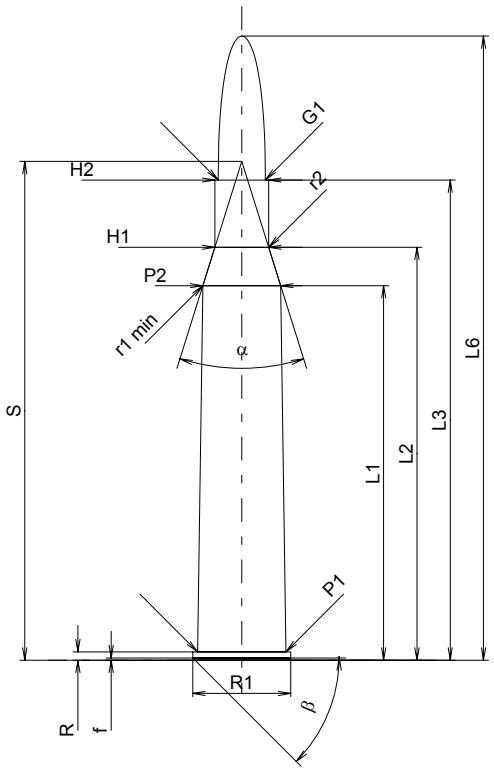
Notes: 1) Check for safety reasons
* Basic dimensions

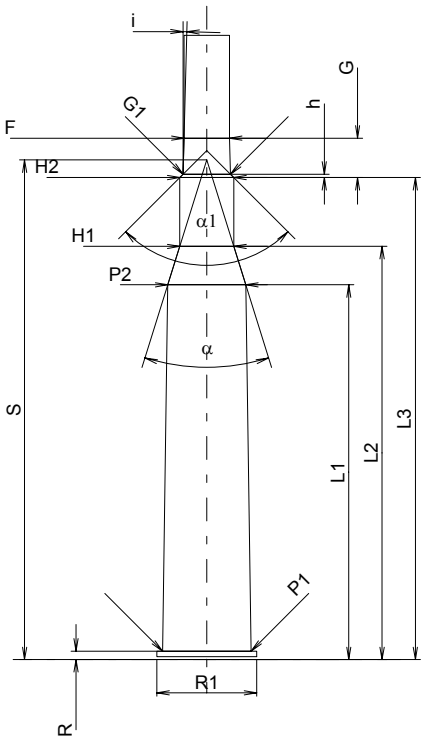
C.I.P.

240 Fl. N.E.

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

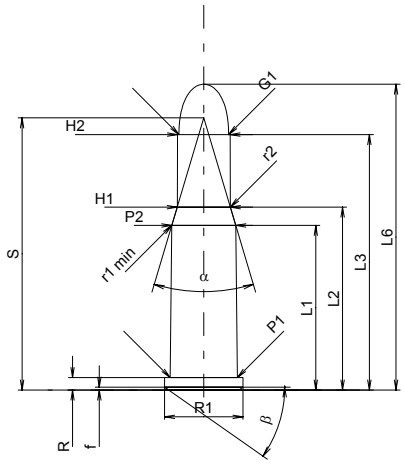
Notes: 1) Check for safety reasons
* Basic dimensions

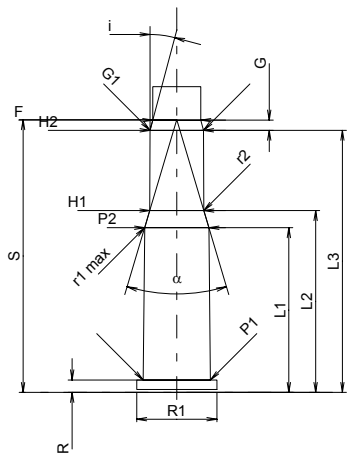
C.I.P.

25-20 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

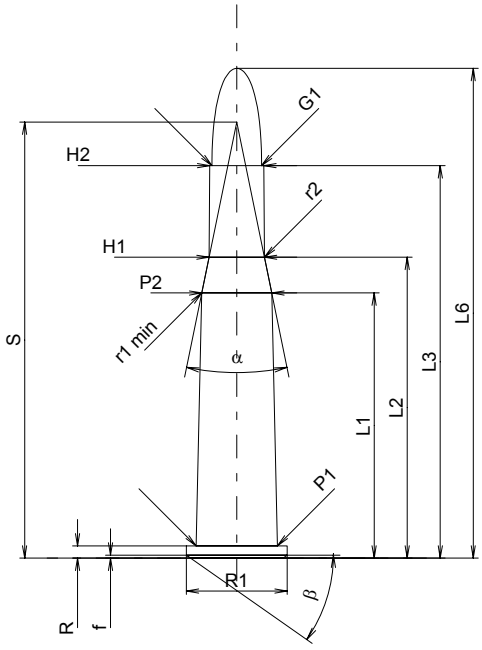
Notes: 1) Check for safety reasons
* Basic dimensions

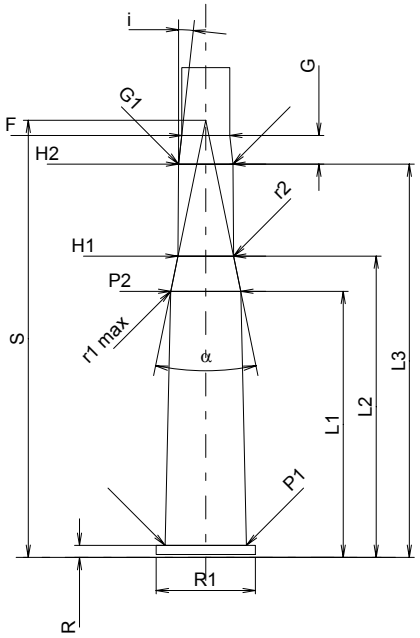
C.I.P.

25-35 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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	mm²

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

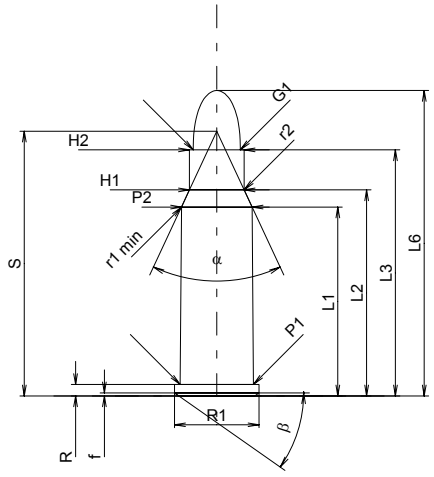
Notes: 1) Check for safety reasons
* Basic dimensions

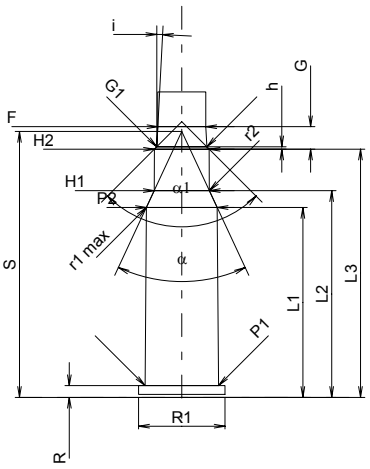
C.I.P.

256 Win. Mag.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

Lengths

L1	=	24.98	
L2	=	27.25	
L3 [1)]	=	32.54	
L4	=		
L5	=		
L6	=	40.39	

Case Head

R [1)]	=	1.52	-0.25
R1	=	11.18	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=	0.40	
β	=	35°	

Powder Chamber

P1	=	9.68
P2 *	=	9.35

Junction Cone

α *	=	50°
S *	=	35.01
r1 min	=	0.76
r2	=	2.54

Collar

H1 *	=	7.24
H2 [1)]	=	7.24

Projectile

G1 [1)]	=	6.23
G2	=	
F	=	
L3+G [1)]	=	35.52

Pressures (Energies)
Method Transducer

Pmax	=	3500	bar
PK	=	4025	bar
PE	=	4375	bar
M	=	17.50	
EE	=	1365	Joule

Miscellaneous Dimensions

Fe [1)]	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1	=	25.11
L2	=	27.34
L3 [1)]	=	32.82

Breech

R [1)]	=	1.55
R1	=	11.43
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 [1)]	=	9.70
P2 *	=	9.37

Junction Cone

α *	=	50°
S *	=	35.16
r1 max	=	0.76
r2	=	2.54

Collar

H1 *	=	7.29
H2 [1)]	=	7.26

Commencement of Rifling

G1 [1)*]	=	6.63
G [1)]	=	2.98
α1 *	=	90°
h	=	0.32
s	=	
i [1)*]	=	3°
w	=	

Barrel

F [1)*]	=	6.35
Z [1)]	=	6.50

Grooves

b	=	2.01	
N	=	6	
u	=	356.00	
Q	=	32.59	mm²

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

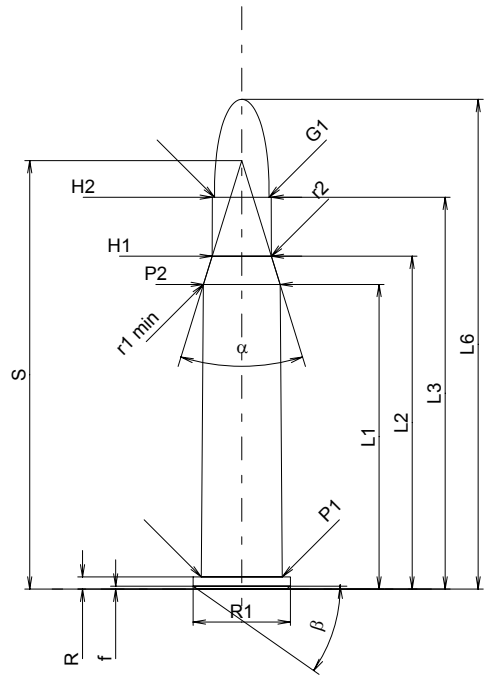
Notes: 1) Check for safety reasons
* Basic dimensions

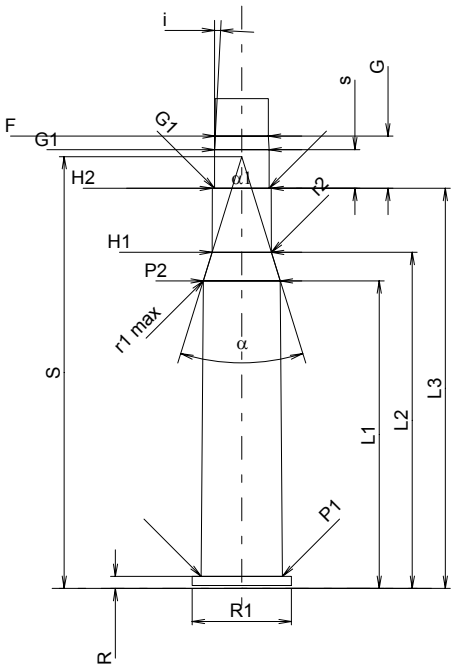
C.I.P.

7-30 Waters

Country of Origin: US

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





Scale 1:1

CARTRIDGE MAXI

Lengths

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

Case Head

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

Powder Chamber

P1	=	10.71
P2 *	=	10.14

Junction Cone

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

Collar

H1 *	=	7.83
H2 1)	=	7.78

Projectile

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

Pressures (Energies)
Method Transducer

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

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1	=	40.67
L2	=	44.45
L3 1)	=	52.92

Breech

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

Powder Chamber

E	=	
P1 1)	=	10.75
P2 *	=	10.18

Junction Cone

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

Collar

H1 *	=	7.84
H2 1)	=	7.79

Commencement of Rifling

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

Barrel

F 1)*	=	7.04
Z 1)	=	7.21

Grooves

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

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

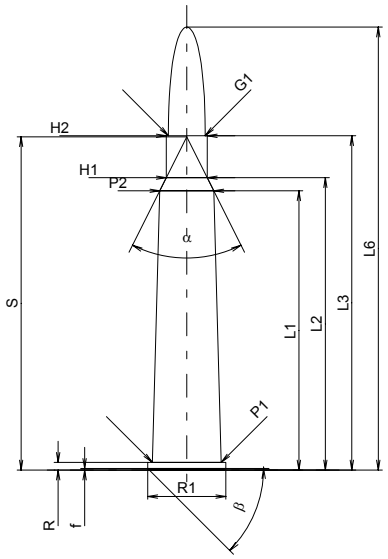
Notes: 1) Check for safety reasons
* Basic dimensions

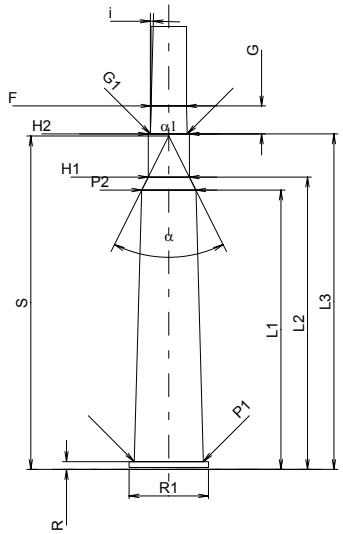
C.I.P.

280 Fl. N. E.

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI				CHAMBER MINI			
Lengths				**Lengths**			
L1 *	=	55.40		L1 *	=	55.42	
L2 *	=	57.99		L2 *	=	58.01	
L3 1)	=	66.32		L3 1)	=	66.57	
L4	=						
L5	=						
L6	=	87.88					
Case Head				**Breech**			
R 1)	=	1.52	-0.25	R 1)	=	1.55	
R1	=	15.49		R1	=	15.75	
R3	=			R2	=		
E	=			R3	=		
E1	=			r	=		
e min	=						
δ	=						
f	=	0.30					
β	=	45°					
Powder Chamber				**Powder Chamber**			
				E	=		
P1	=	13.69		P1 1)	=	13.72	
P2 *	=	10.72		P2 *	=	10.74	
Junction Cone				**Junction Cone**			
α	=	53°07'48"		α	=	53°07'48"	
S	=	66.12		S	=	66.16	
r1 min	=			r1 max	=		
r2	=			r2	=		
Collar				**Collar**			
H1 *	=	8.13		H1 *	=	8.15	
H2 1)	=	8.13		H2 1)	=	8.15	
Projectile				**Commencement of Rifling**			
G1 1)	=	7.29		G1 1)*	=	7.34	
G2	=			G 1)*	=	5.54	
F	=			α1	=	180°	
L3+G 1)	=	71.86		h	=		
				s	=		
Pressures (Energies)				i 1)	=	1°30'	
Method Transducer				w	=		
Pmax	=	2950	bar	**Barrel**			
PK	=	3393	bar	F 1)*	=	7.05	
PE	=	3690	bar	Z 1)	=	7.30	
M	=	25.00		**Grooves**			
EE	=	3550	Joule	b	=		
				N	=		
				u	=	255.00	
				Q	=	39.04	mm²
Miscellaneous Dimensions							
Fe 1)	=	0.15					
delta L	=						

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

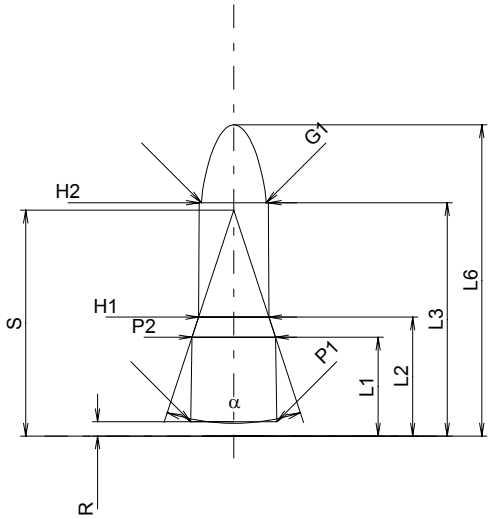
Notes: 1) Check for safety reasons
* Basic dimensions

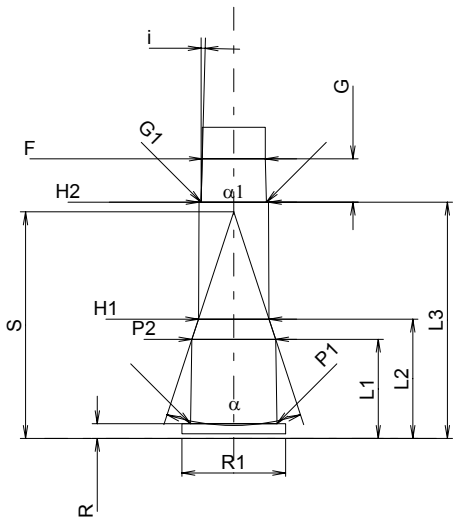
C.I.P.

297/230 Morris lg

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**00-06-07**





Scale 1.5:1

CARTRIDGE MAXI				CHAMBER MINI			
Lengths				**Lengths**			
L1 *	=	8.71		L1 *	=	8.74	
L2 *	=	10.49		L2 *	=	10.52	
L3 1)	=	20.57		L3 1)	=	20.83	
L4	=						
L5	=						
L6	=	27.43					
Case Head				**Breech**			
R	=	1.27	-0.25	R 1)	=	1.30	
R1	=			R1	=	9.14	
R3	=			R2	=		
E	=			R3	=		
E1	=			r	=		
e min	=						
δ	=						
f	=						
β	=						
Powder Chamber				**Powder Chamber**			
				E	=		
P1	=	7.59		P1 1)	=	7.62	
P2 *	=	7.37		P2 *	=	7.39	
Junction Cone				**Junction Cone**			
α	=	36°23'11"		α	=	36°23'09"	
S	=	19.92		S	=	19.98	
r1 min	=			r1 max	=		
r2	=			r2	=		
Collar				**Collar**			
H1 *	=	6.20		H1 *	=	6.22	
H2 1)	=	6.10		H2 1)	=	6.12	
Projectile				**Commencement of Rifling**			
G1 1)	=	5.71		G1 1)*	=	5.76	
G2	=			G 1)*	=	3.82	
F	=			α1	=	180°	
L3+G 1)	=	24.39		h	=		
				s	=		
Pressures (Energies)				i 1)	=	1°30'	
				w	=		
				Barrel			
				F 1)*	=	5.56	
				Z 1)	=	5.69	
				Grooves			
				b	=		
				N	=		
				u	=	255.00	
				Q	=	24.28	mm²
Miscellaneous Dimensions							
Fe	=						
delta L	=						

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

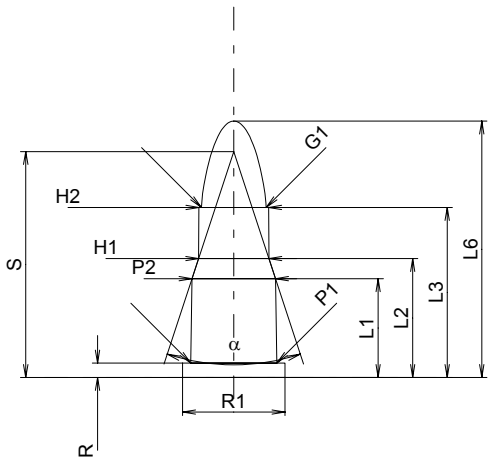
Notes: 1) Check for safety reasons
* Basic dimensions

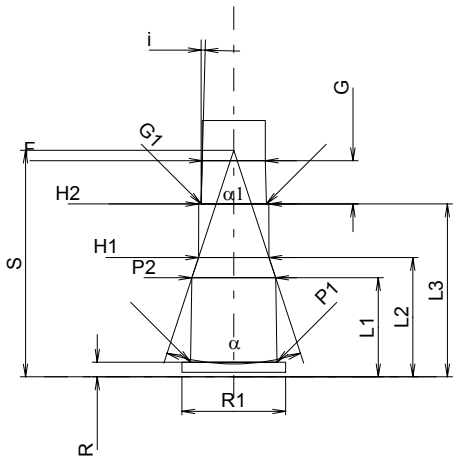
C.I.P.

297/230 Morris sh

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**00-06-07**





Scale 1.5:1

CARTRIDGE MAXI

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	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	7.59
P2 *	=	7.37

Junction Cone

α	=	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	=

CHAMBER MINI

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

α	=	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
α1	=	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

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

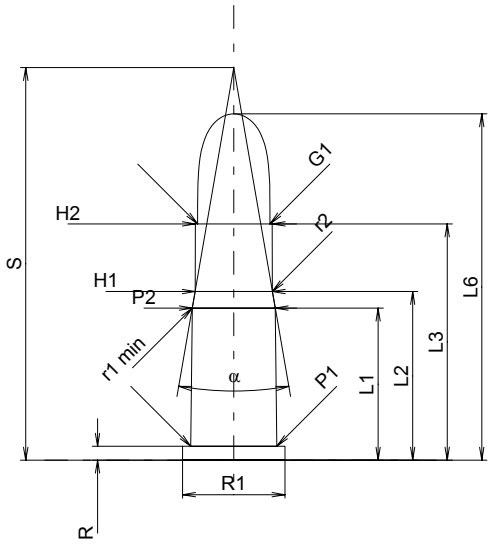
Notes: 1) Check for safety reasons
* Basic dimensions

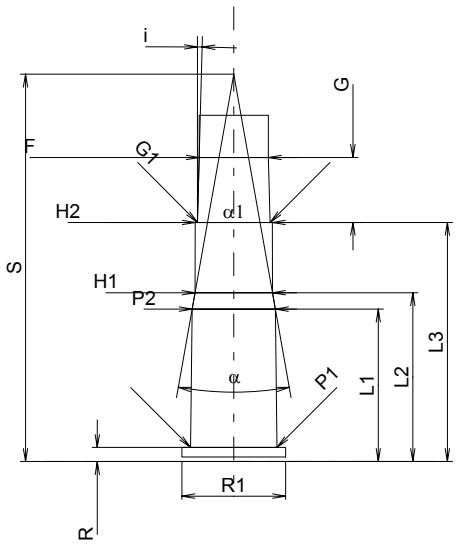
C.I.P.

297/250 Rook Rifle

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**00-06-07**





Scale 1.5:1

CARTRIDGE MAXI

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	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	7.59
P2 *	=	7.31

Junction Cone

α	=	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	=

CHAMBER MINI

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

α	=	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
α1	=	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

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

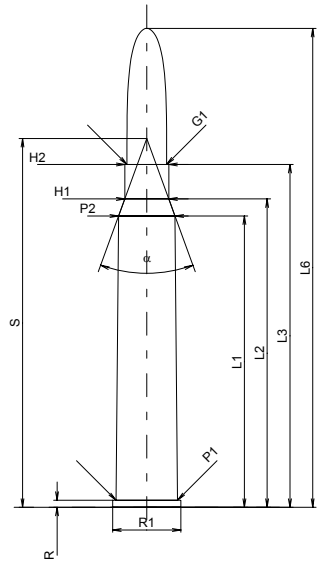
Notes: 1) Check for safety reasons
* Basic dimensions

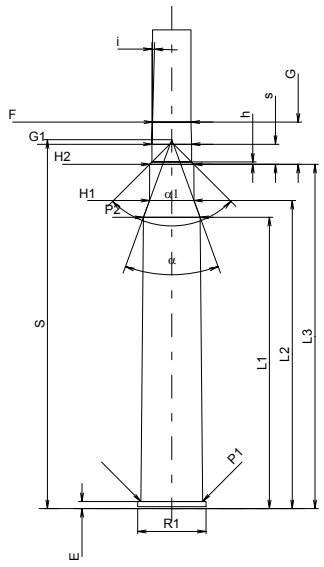
C.I.P.

30 R Blaser

Country of Origin: DE

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





Scale 1:1.5

CARTRIDGE MAXI

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	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	12.20
P2 *	=	11.20

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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

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

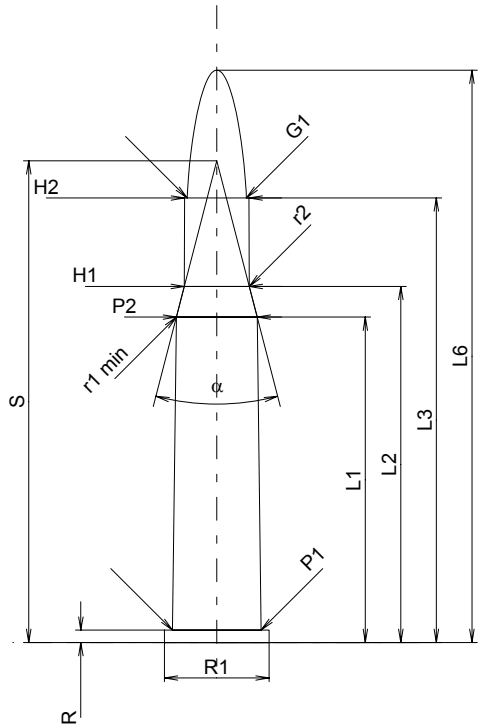
Notes: 1) Check for safety reasons
* Basic dimensions

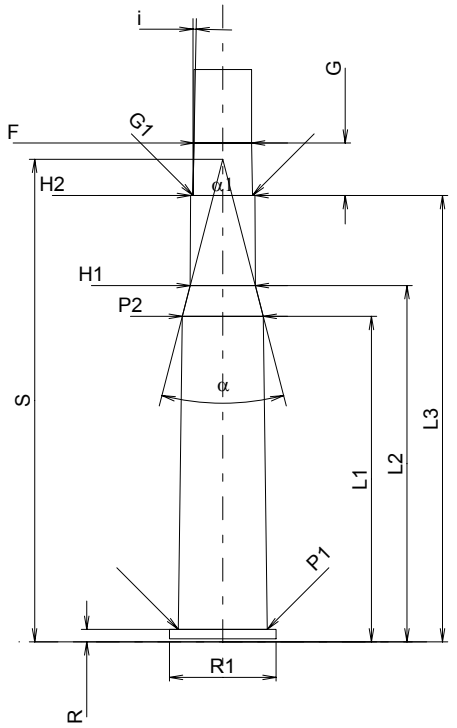
C.I.P.

30 Fl. N.E. Purdey

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

Lengths

L1 *	=	43.03
L2 *	=	47.09
L3 1)	=	58.78
L4	=	
L5	=	
L6	=	75.69

Case Head

R 1)	=	1.63	-0.25
R1	=	13.84	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	11.73
P2 *	=	10.69

Junction Cone

α	=	29°00'01"
S	=	63.70
r1 min	=	3.81
r2	=	3.81

Collar

H1 *	=	8.59
H2 1)	=	8.51

Projectile

G1 1)	=	7.82
G2	=	
F	=	
L3+G 1)	=	65.73

Pressures (Energies)
Method Transducer

Pmax	=	3200	bar
PK	=	3680	bar
PE	=	4000	bar
M	=	25.00	
EE	=	3455	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1 *	=	43.05
L2 *	=	47.12
L3 1)	=	59.03

Breech

R 1)	=	1.65
R1	=	14.10
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 1)	=	11.76
P2 *	=	10.72

Junction Cone

α	=	28°55'55"
S	=	63.83
r1 max	=	
r2	=	

Collar

H1 *	=	8.62
H2 1)	=	8.53

Commencement of Rifling

G1 1)*	=	7.89
G 1)*	=	6.95
α1	=	180°
h	=	
s	=	
i 1)	=	1°06'46"
w	=	

Barrel

F 1)*	=	7.62
Z 1)	=	7.82

Grooves

b	=		
N	=		
u	=	255.00	
Q	=	45.60	mm²

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

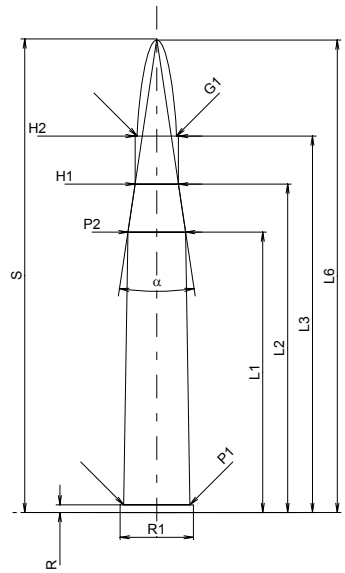
Notes: 1) Check for safety reasons
* Basic dimensions

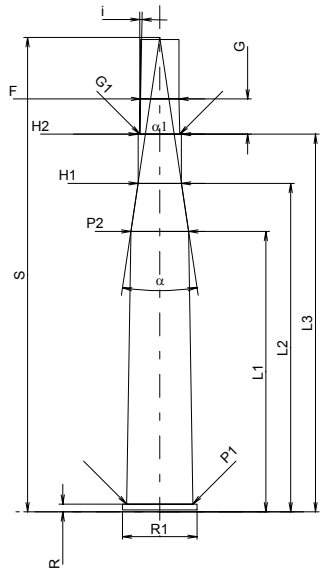
C.I.P.

30 Super Fl. H.& H.

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	13.13
P2 *	=	11.43

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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

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

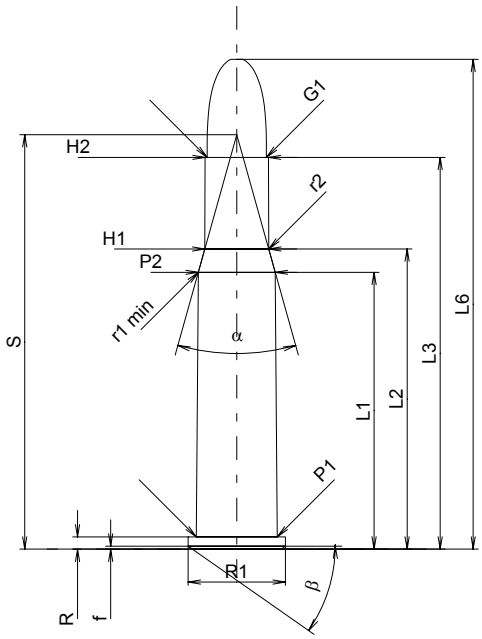
Notes: 1) Check for safety reasons
* Basic dimensions

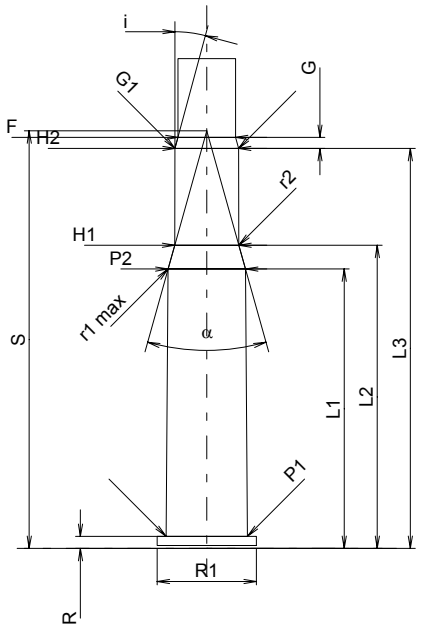
C.I.P.

30-30 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

Lengths

L1	=	36.60	
L2	=	39.69	
L3 1)	=	51.80	
L4	=		
L5	=		
L6	=	64.77	

Case Head

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

Powder Chamber

P1	=	10.71
P2 *	=	10.19

Junction Cone

α *	=	31°18'
S *	=	54.79
r1 min	=	4.57
r2	=	11.68

Collar

H1 *	=	8.46
H2 1)	=	8.38

Projectile

G1 1)	=	7.85
G2	=	
F	=	
L3+G 1)	=	53.25

Pressures (Energies)
Method Transducer

Pmax	=	3200	bar
PK	=	3680	bar
PE	=	4000	bar
M	=	25.00	
EE	=	2445	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1	=	36.95
L2	=	40.10
L3 1)	=	52.91

Breech

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

Powder Chamber

E	=	
P1 1)	=	10.75
P2 *	=	10.24

Junction Cone

α *	=	31°18'
S *	=	55.23
r1 max	=	4.57
r2	=	11.68

Collar

H1 *	=	8.48
H2 1)	=	8.40

Commencement of Rifling

G1 1)*	=	8.40
G 1)	=	1.45
α1 *	=	30°
h	=	
s	=	
i 1)*	=	15°
w	=	

Barrel

F 1)*	=	7.62
Z 1)	=	7.82

Grooves

b	=	2.39	
N	=	6	
u	=	305.00	
Q	=	47.06	mm²

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

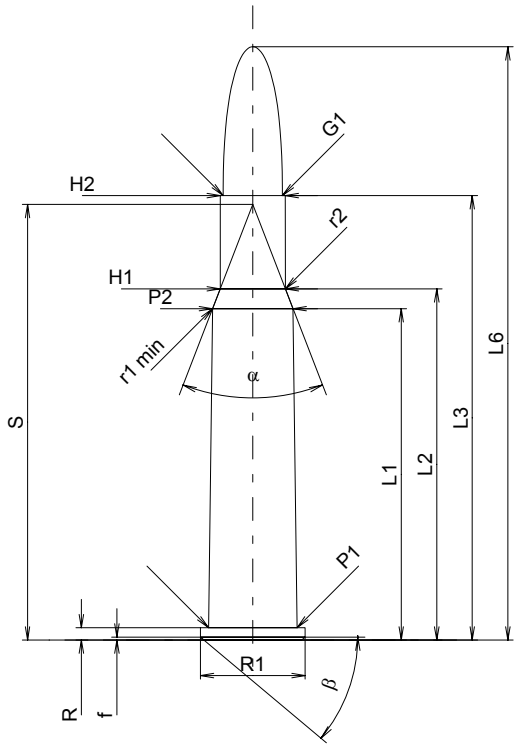
Notes: 1) Check for safety reasons
* Basic dimensions

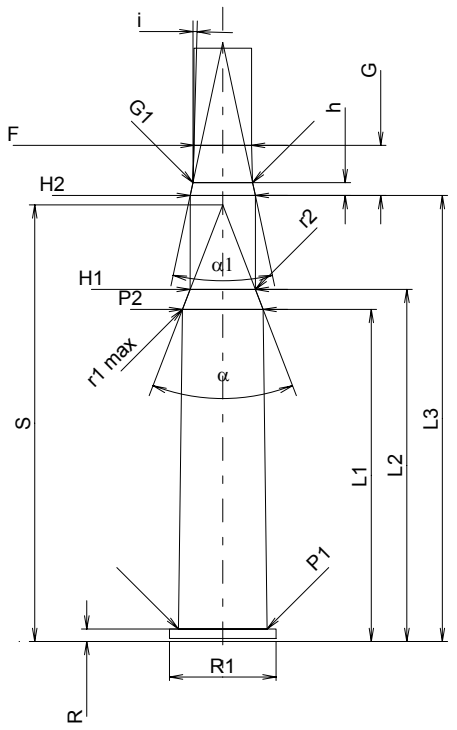
C.I.P.

30-40 Krag

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

Lengths

L1	=	43.82	
L2	=	46.45	
L3 1)	=	58.78	
L4	=		
L5	=		
L6	=	78.46	

Case Head

R 1)	=	1.63	-0.25
R1	=	13.84	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=	0.39	
β	=	40°	

Powder Chamber

P1	=	11.71
P2 *	=	10.64

Junction Cone

α *	=	42°12'
S *	=	57.61
r1 min	=	3.94
r2	=	4.06

Collar

H1 *	=	8.61
H2 1)	=	8.59

Projectile

G1 1)	=	7.85
G2	=	
F	=	
L3+G 1)	=	65.41

Pressures (Energies)
Method Transducer

Pmax	=	3250	bar
PK	=	3738	bar
PE	=	4060	bar
M	=	25.00	
EE	=	3750	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1	=	43.91
L2	=	46.56
L3 1)	=	58.98

Breech

R 1)	=	1.63
R1	=	14.10
R2	=	
R3	=	
r	=	

Powder Chamber

E	=	
P1 1)	=	11.74
P2 *	=	10.67

Junction Cone

α *	=	42°12'
S *	=	57.74
r1 max	=	3.94
r2	=	4.57

Collar

H1 *	=	8.63
H2 1)	=	8.61

Commencement of Rifling

G1 1)*	=	7.89
G 1)	=	6.63
α1 *	=	24°
h	=	1.69
s	=	
i 1)*	=	1°10'
w	=	

Barrel

F 1)*	=	7.62
Z 1)	=	7.82

Grooves

b	=	2.39	
N	=	6	
u	=	254.00	
Q	=	47.06	mm²

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

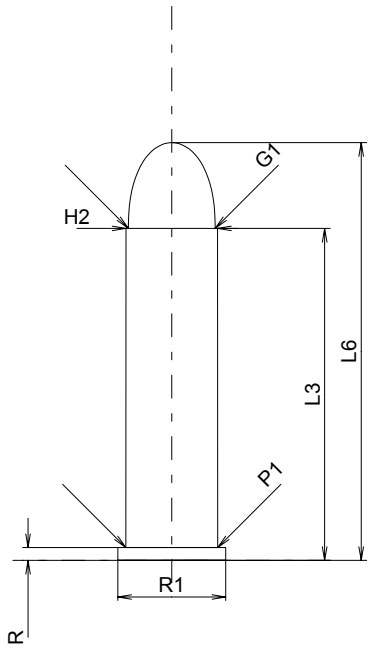
Notes: 1) Check for safety reasons
* Basic dimensions

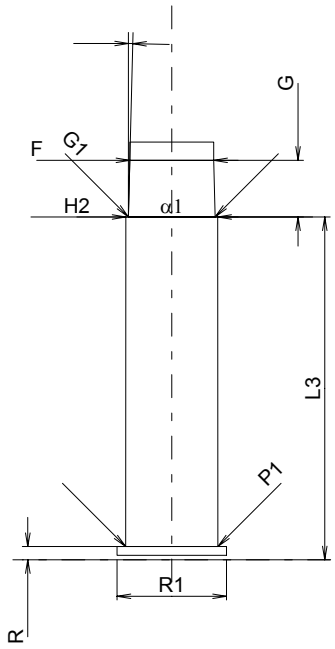
C.I.P.

300/295 Rook Rifle

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1.5:1

CARTRIDGE MAXI

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	=		

CHAMBER MINI

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

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

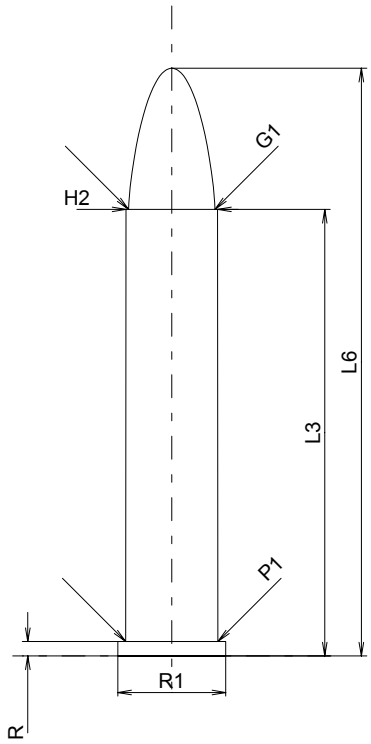
Notes: 1) Check for safety reasons
* Basic dimensions

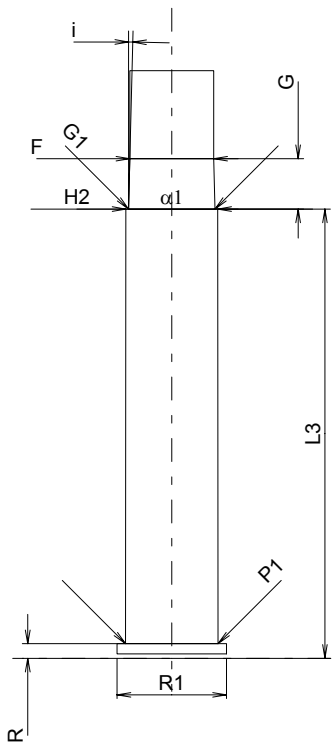
C.I.P.

300 Sherwood

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1.5:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

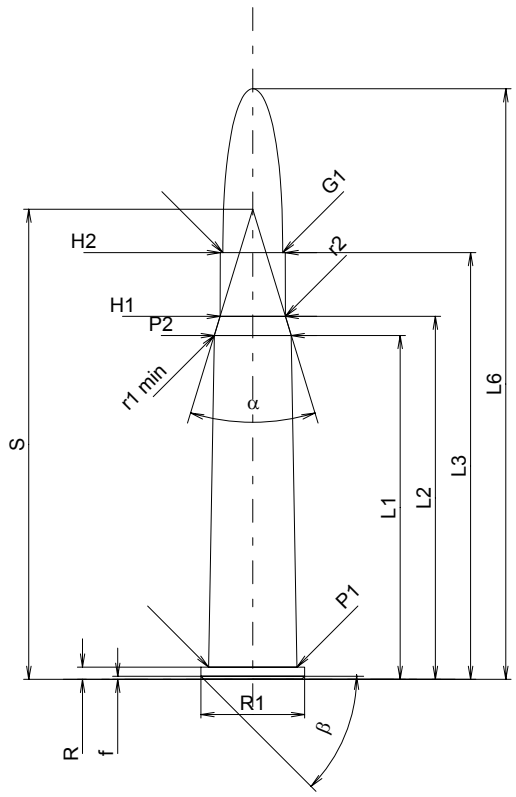
Notes: 1) Check for safety reasons
* Basic dimensions

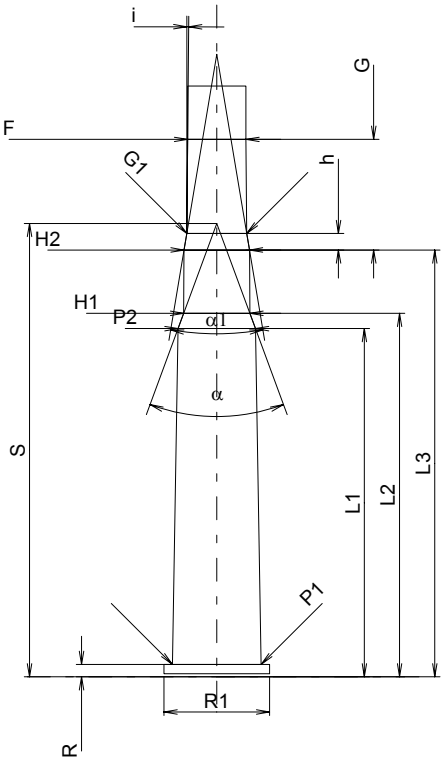
C.I.P.

303 British

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

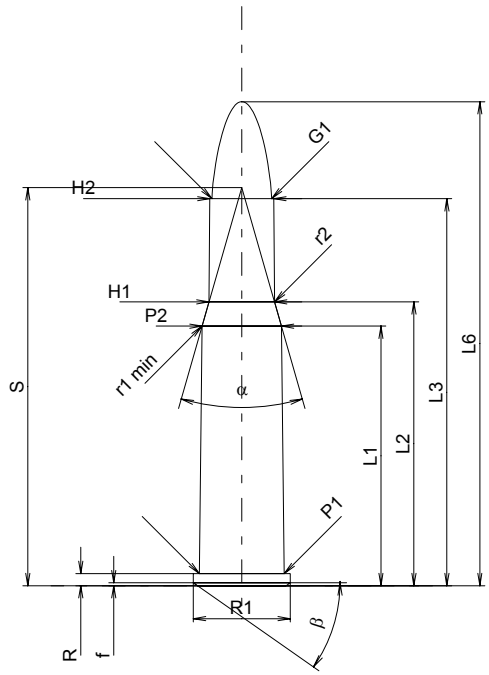
Notes: 1) Check for safety reasons
* Basic dimensions

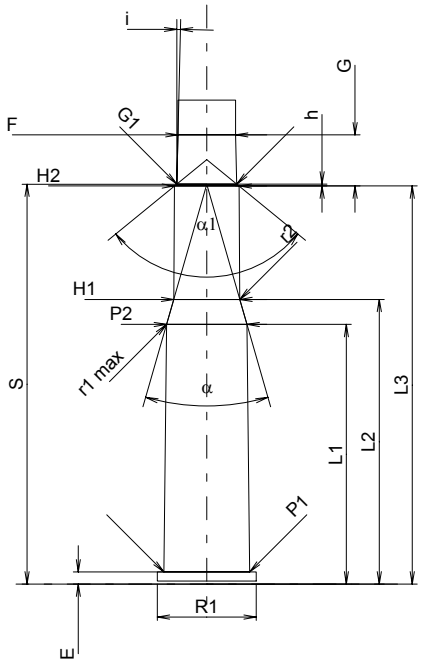
C.I.P.

303 Savage

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

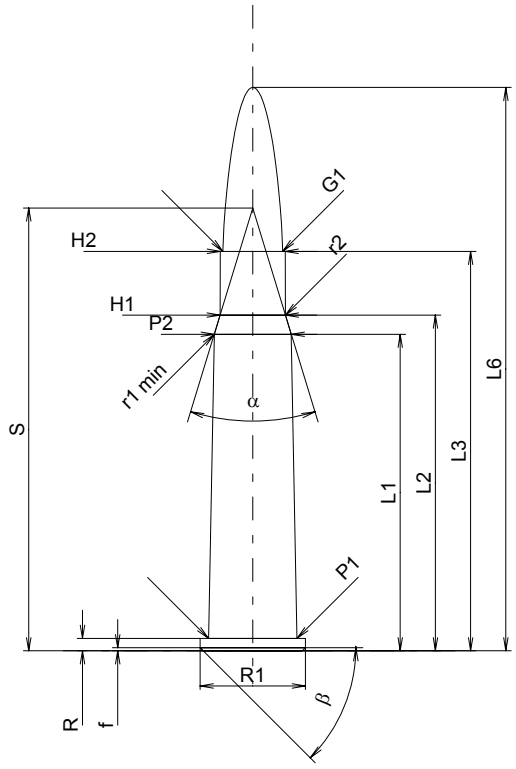
Notes: 1) Check for safety reasons
* Basic dimensions

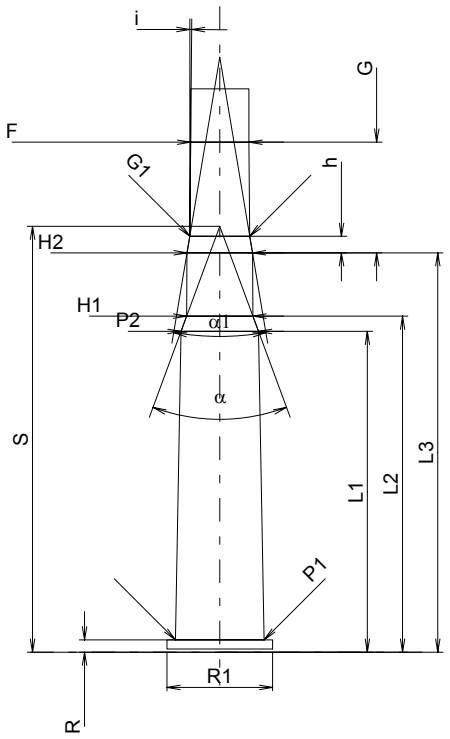
C.I.P.

303 Sporting

Country of Origin: FR

TAB.	**II**
Date	**00-11-13**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

Lengths

L1 *	=	41.85
L2 *	=	44.39
L3 1)	=	52.82
L4	=	
L5	=	
L6	=	74.49

Case Head

R 1)	=	1.63	-0.25
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	=	

CHAMBER MINI

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
α1	=	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

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

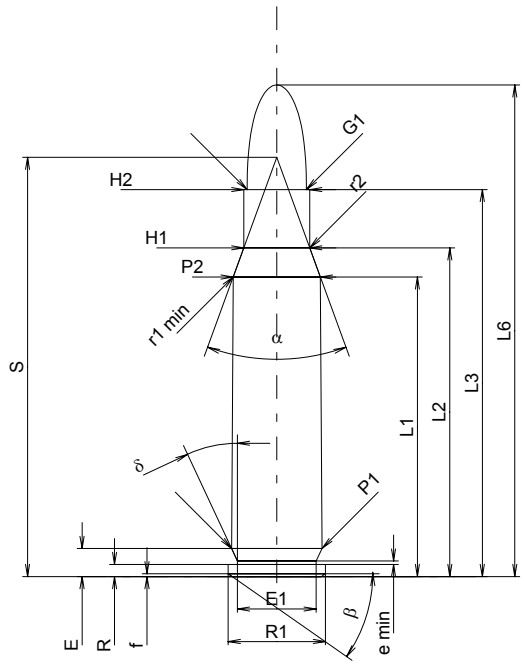
Notes: 1) Check for safety reasons
* Basic dimensions

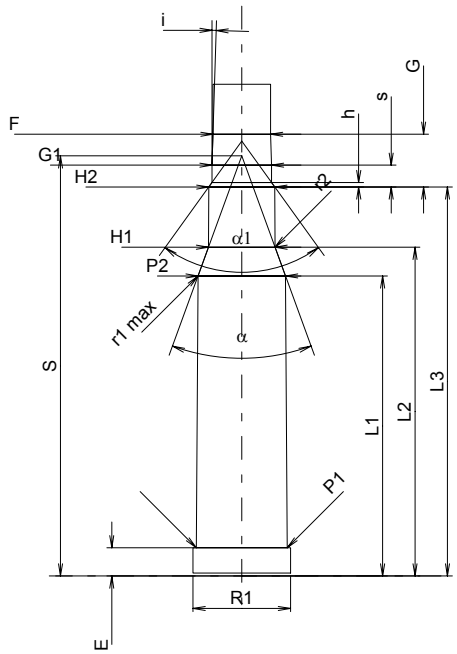
C.I.P.

307 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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
delta L	=	

CHAMBER MINI

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
α1 *	=	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	mm²

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

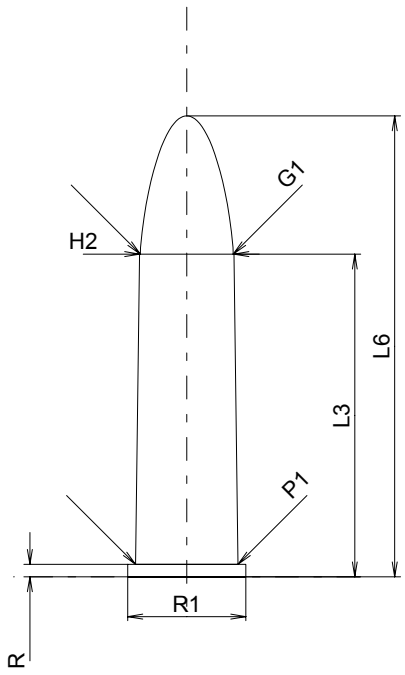
Notes: 1) Check for safety reasons
* Basic dimensions

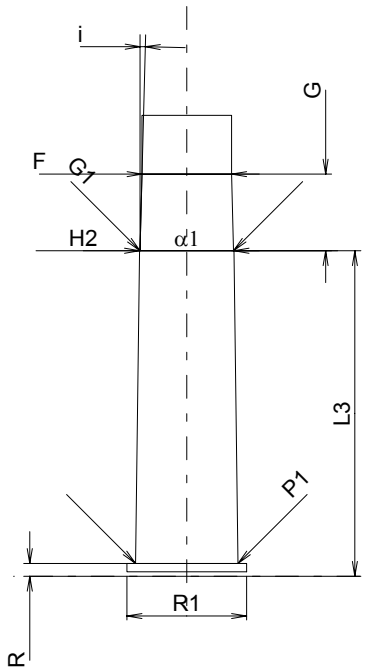
C.I.P.

310 Cadet Rifle

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1.5:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

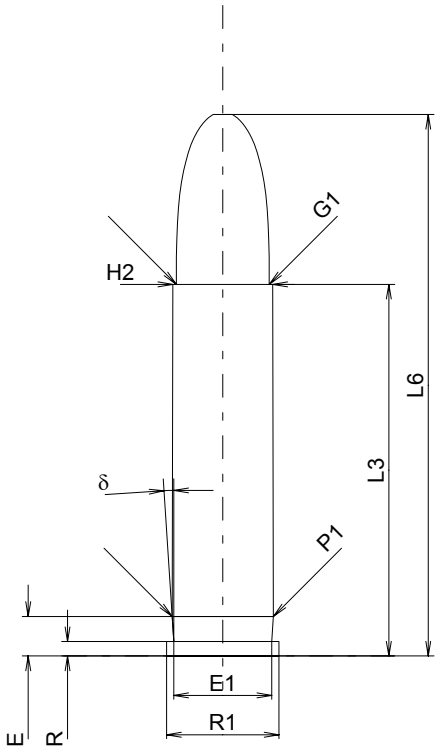
Notes: 1) Check for safety reasons
* Basic dimensions

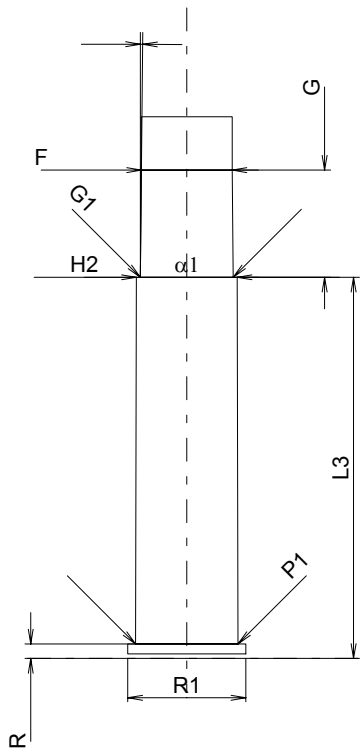
C.I.P.

32 Win. SL

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1.5:1

CARTRIDGE MAXI

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	=		

CHAMBER MINI

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

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

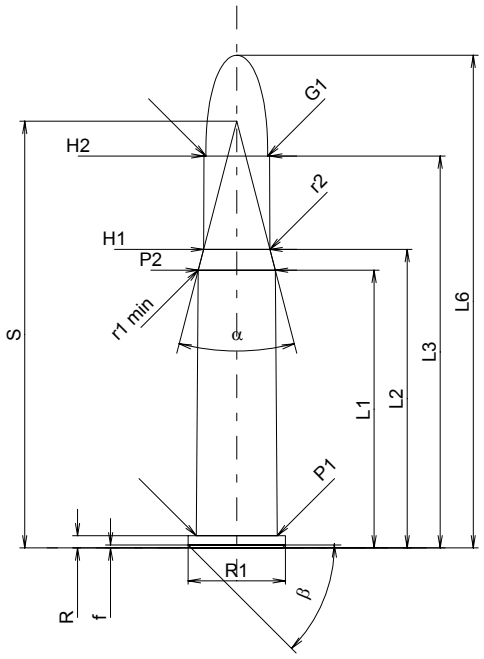
Notes: 1) Check for safety reasons
* Basic dimensions

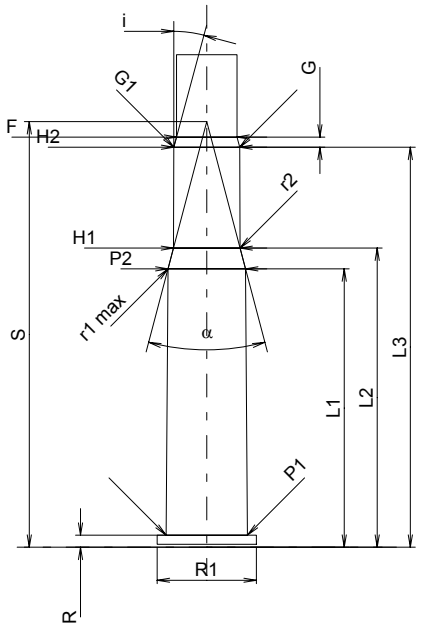
C.I.P.

32 Win. Spec.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

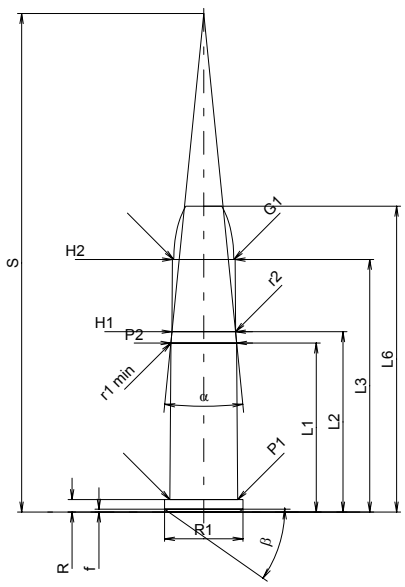
Notes: 1) Check for safety reasons
* Basic dimensions

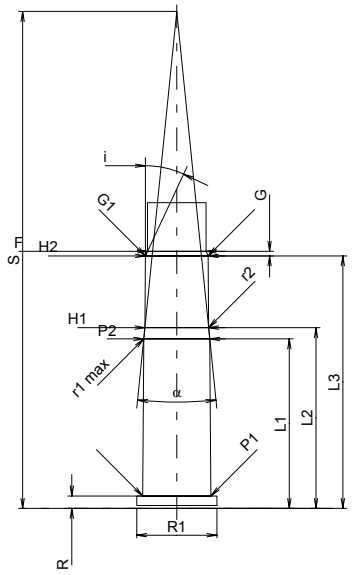
C.I.P.

32-20 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

Lengths

L1	=	22.35	
L2	=	23.85	
L3 1)	=	33.40	
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	=	8.98
P2 *	=	8.70

Junction Cone

α *	=	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

α *	=	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
α1	=	
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

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

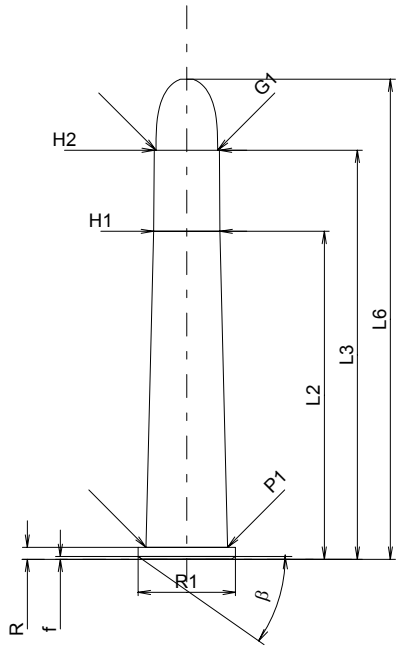
Notes: 1) Check for safety reasons
* Basic dimensions

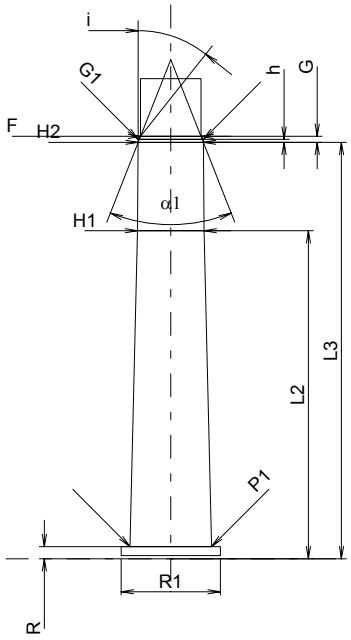
C.I.P.

32-40 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

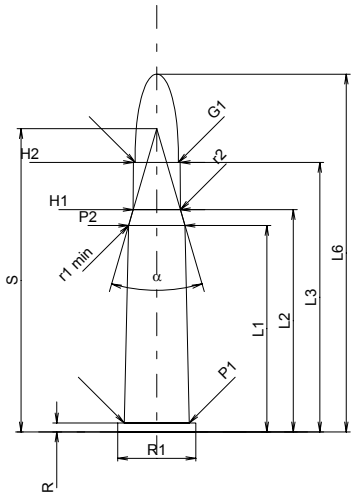
Notes: 1) Check for safety reasons
* Basic dimensions

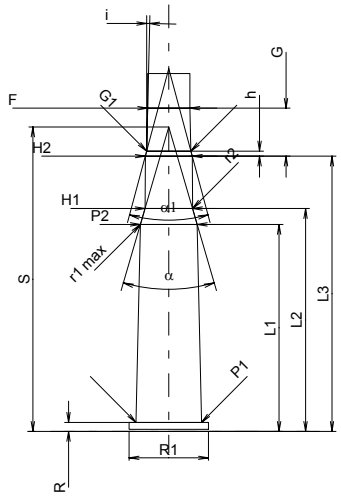
C.I.P.

33 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1	=	40.96	
L2	=	44.10	
L3 1)	=	53.47	
L4	=		
L5	=		
L6	=	70.99	

Case Head

R 1)	=	1.78	-0.25
R1	=	15.49	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	12.90	
P2 *	=	11.20	

Junction Cone

α *	=	32°30'	
S *	=	60.17	
r1 min	=	7.62	
r2	=	5.20	

Collar

H1 *	=	9.37	
H2 1)	=	9.29	

Projectile

G1 1)	=	8.60	
G2	=		
F	=		
L3+G 1)	=	62.97	

Pressures (Energies)
Method Transducer

Pmax	=	3050	bar
PK	=	3508	bar
PE	=	3810	bar
M	=	25.00	
EE	=	4015	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15	
delta L	=		

CHAMBER MINI

Lengths

L1	=	41.05	
L2	=	44.21	
L3 1)	=	54.61	

Breech

R 1)	=	1.78	
R1	=	15.75	
R2	=		
R3	=		
r	=		

Powder Chamber

E	=		
P1 1)	=	12.97	
P2 *	=	11.26	

Junction Cone

α *	=	32°30'	
S *	=	60.37	
r1 max	=	7.62	
r2	=	5.08	

Collar

H1 *	=	9.42	
H2 1)	=	9.31	

Commencement of Rifling

G1 1)*	=	8.78	
G 1)	=	9.50	
α1 *	=	30°	
h	=	0.99	
s	=		
i 1)*	=	1°20'47"	
w	=		

Barrel

F 1)*	=	8.38	
Z 1)	=	8.59	

Grooves

b	=	2.79	
N	=	6	
u	=	305.00	
Q	=	56.94	mm²

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

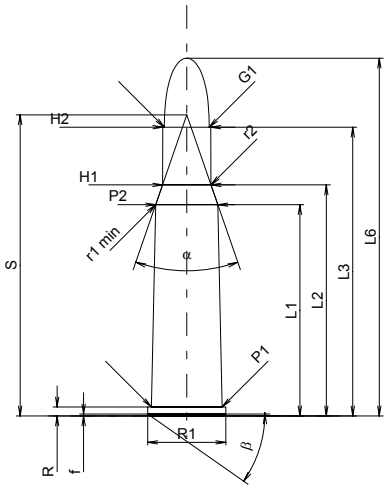
Notes: 1) Check for safety reasons
* Basic dimensions

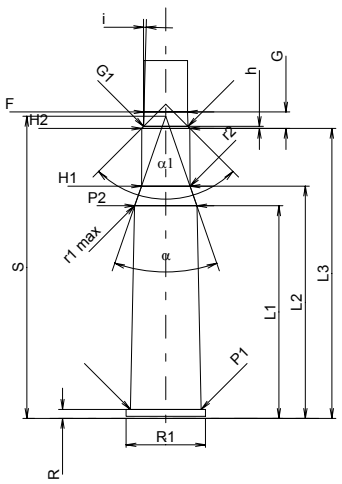
C.I.P.

348 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1	=	41.91	
L2	=	45.83	
L3 1)	=	57.28	
L4	=		
L5	=		
L6	=	70.99	

Case Head

R 1)	=	1.78	-0.25
R1	=	15.49	
R3	=		
E	=		
E1	=		
e min	=		
δ	=		
f	=	0.38	
β	=	35°	

Powder Chamber

P1	=	14.05
P2 *	=	12.32

Junction Cone

α *	=	38°07'59"
S *	=	59.73
r1 min	=	0.76
r2	=	2.54

Collar

H1 *	=	9.61
H2 1)	=	9.54

Projectile

G1 1)	=	8.88
G2	=	
F	=	
L3+G 1)	=	60.53

Pressures (Energies)
Method Transducer

Pmax	=	3200	bar
PK	=	3680	bar
PE	=	4000	bar
M	=	25.00	
EE	=	3640	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1	=	42.17
L2	=	46.07
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

α *	=	38°19'58"
S *	=	59.92
r1 max	=	0.76
r2	=	2.54

Collar

H1 *	=	9.63
H2 1)	=	9.56

Commencement of Rifling

G1 1)*	=	8.79
G 1)	=	3.25
α1 *	=	90°
h	=	0.39
s	=	
i 1)*	=	1°30'
w	=	

Barrel

F 1)*	=	8.64
Z 1)	=	8.84

Grooves

b	=	3.05	
N	=	6	
u	=	305.00	
Q	=	60.50	mm²

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

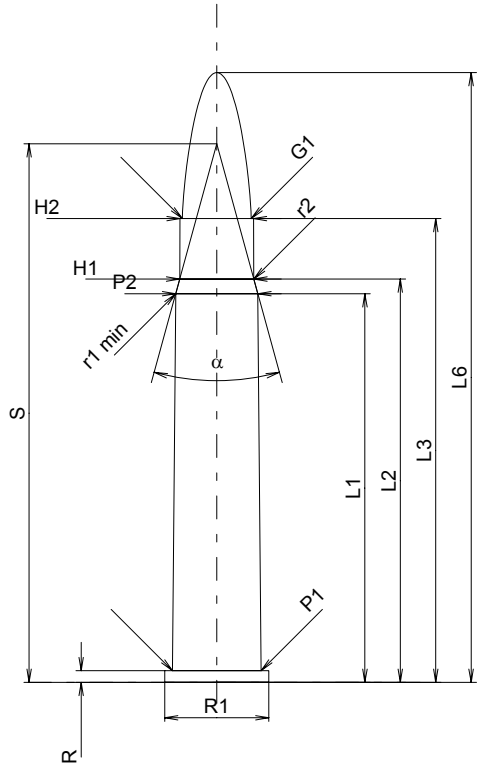
Notes: 1) Check for safety reasons
* Basic dimensions

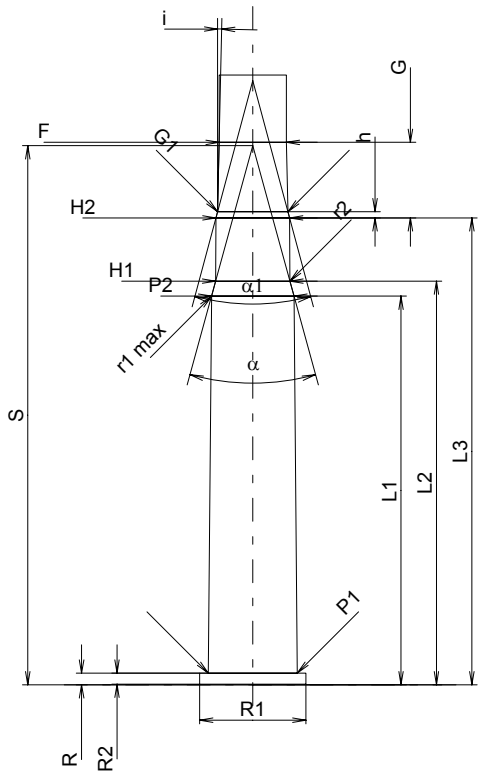
C.I.P.

35 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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	mm²

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

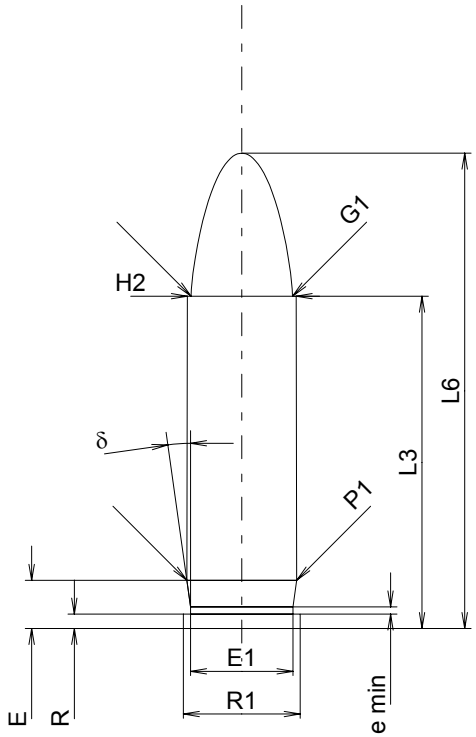
Notes: 1) Check for safety reasons
* Basic dimensions

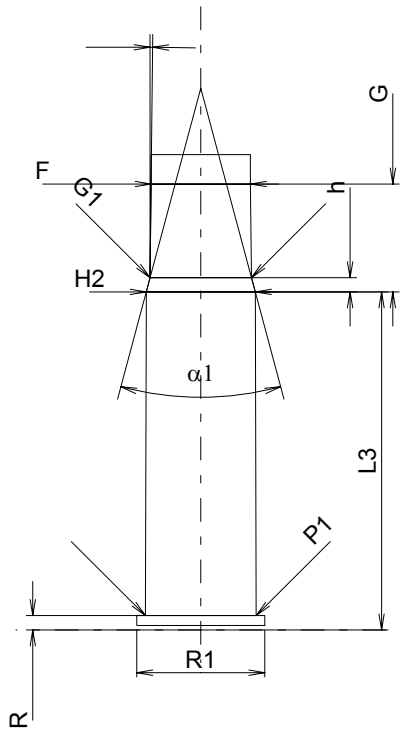
C.I.P.

35 Win. SL

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1.5:1

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

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

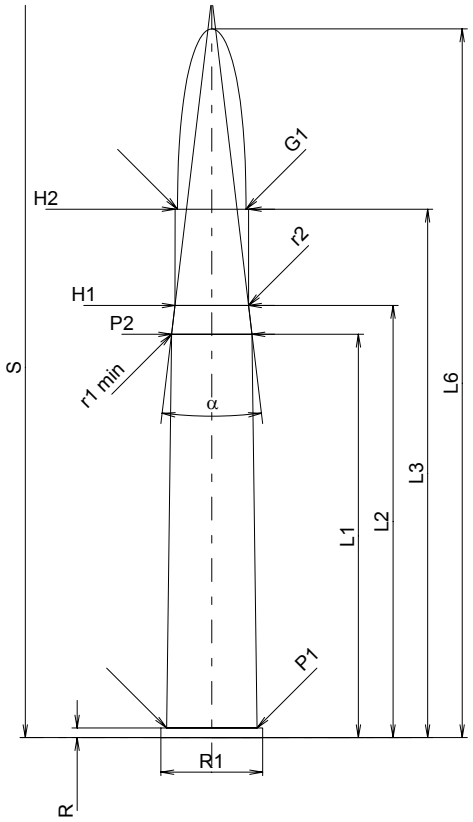
Notes: 1) Check for safety reasons
* Basic dimensions

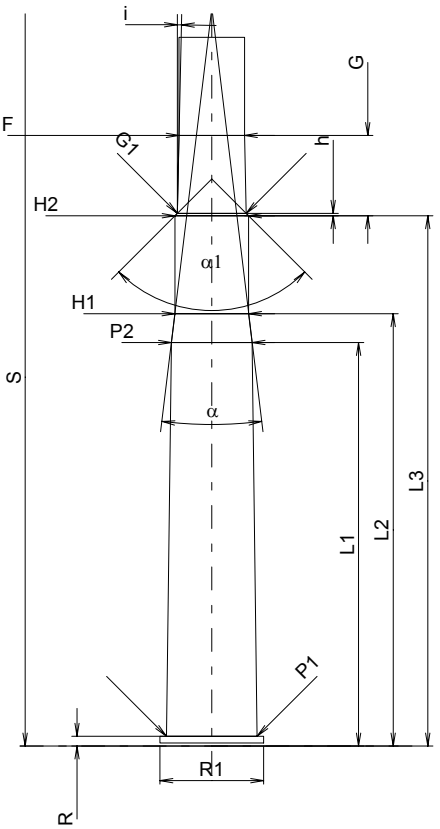
C.I.P.

350 No. 2 Rigby

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

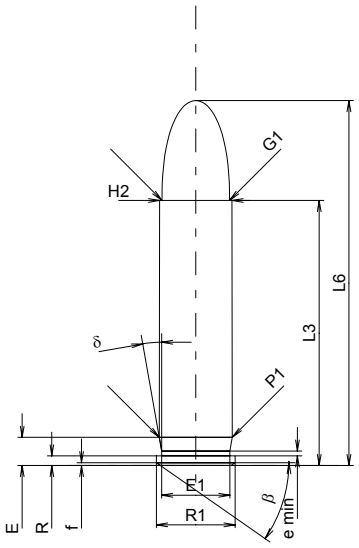
Notes: 1) Check for safety reasons
* Basic dimensions

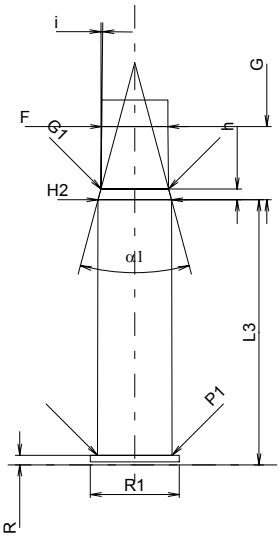
C.I.P.

351 Win. SL

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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	mm²

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

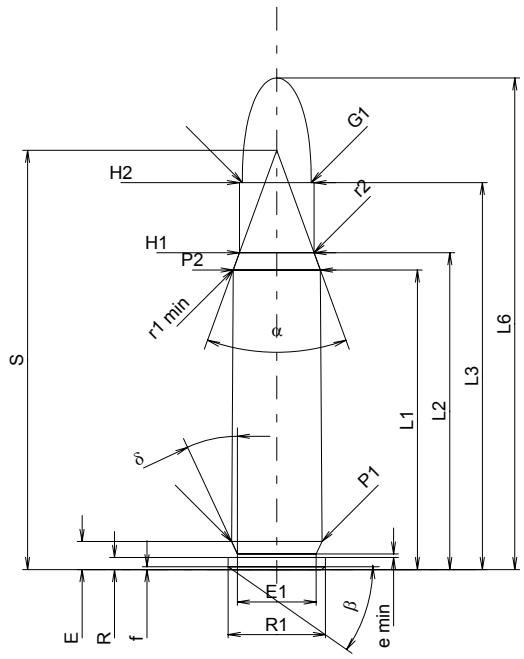
Notes: 1) Check for safety reasons
* Basic dimensions

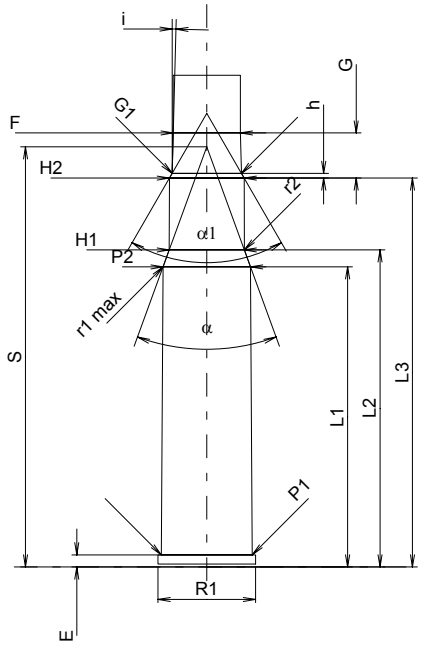
C.I.P.

356 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

Lengths

L1	=	39.62	
L2	=	41.91	
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	=	2.54

Collar

H1 *	=	9.86
H2 1)	=	9.86

Projectile

G1 1)	=	9.11
G2	=	
F	=	
L3+G 1)	=	57.14

Pressures (Energies)
Method Transducer

Pmax	=	4150	bar
PK	=	4773	bar
PE	=	5190	bar
M	=	25.00	
EE	=	3705	Joule

Miscellaneous Dimensions

Fe 1)	=	0.10
delta L	=	

CHAMBER MINI

Lengths

L1	=	39.69
L2	=	41.93
L3 1)	=	51.44

Breech

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

Powder Chamber

E	=	1.60
P1 1)	=	12.01
P2 *	=	11.56

Junction Cone

α *	=	40°
S *	=	55.57
r1 max	=	0.76
r2	=	2.79

Collar

H1 *	=	9.93
H2 1)	=	9.88

Commencement of Rifling

G1 1)*	=	9.17
G 1)	=	5.96
α1 *	=	60°
h	=	0.61
s	=	
i 1)*	=	1°30'
w	=	

Barrel

F 1)*	=	8.89
Z 1)	=	9.09

Grooves

b	=	2.79	
N	=	6	
u	=	305.00	
Q	=	63.77	mm²

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

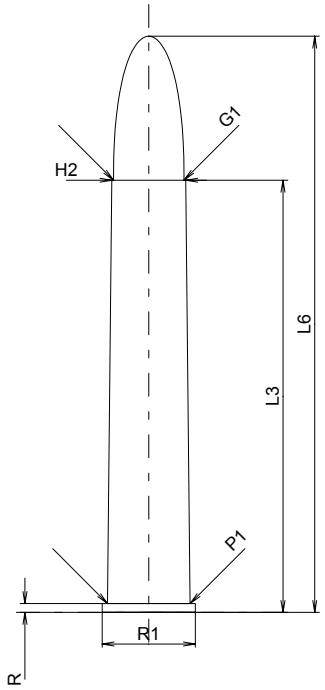
Notes: 1) Check for safety reasons
* Basic dimensions

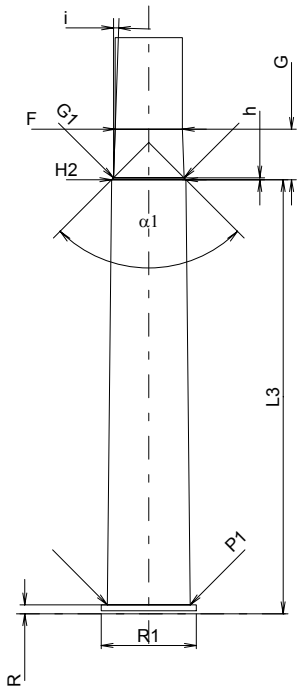
C.I.P.

360 N.E. 2 "1/4

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

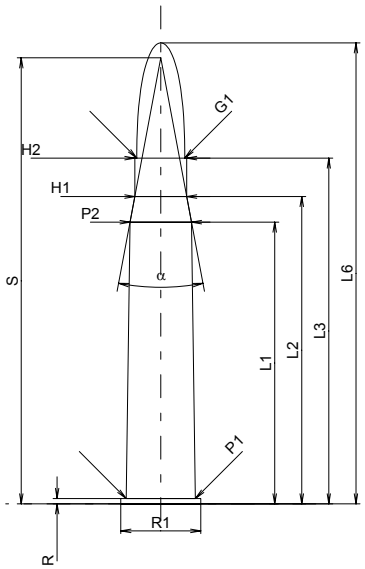
Notes: 1) Check for safety reasons
* Basic dimensions

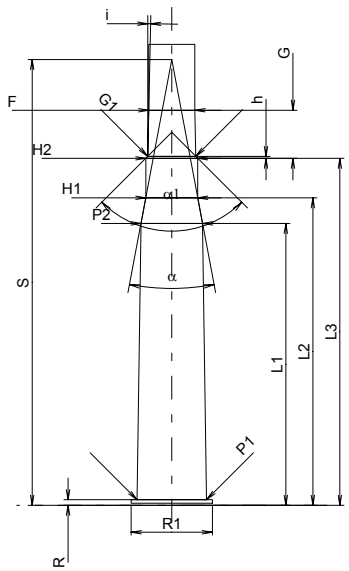
C.I.P.

369 N.E. Purdey

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

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	mm²

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

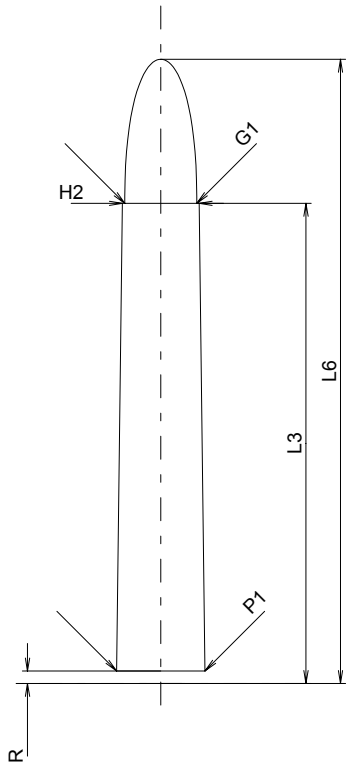
Notes: 1) Check for safety reasons
* Basic dimensions

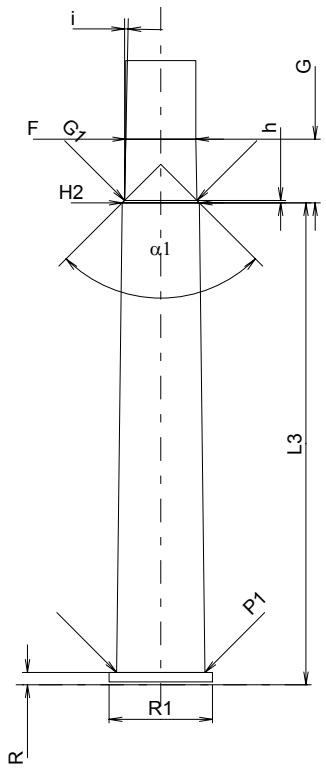
C.I.P.

375 Fl. N.E. 2"1/2

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

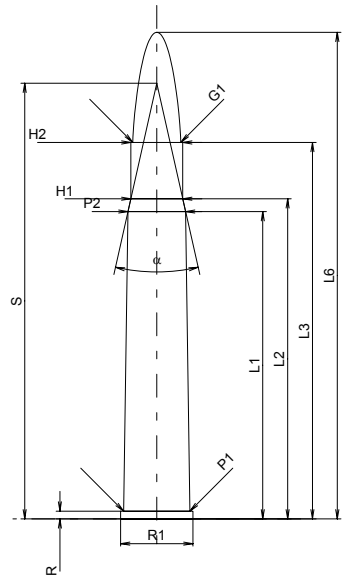
Notes: 1) Check for safety reasons
* Basic dimensions

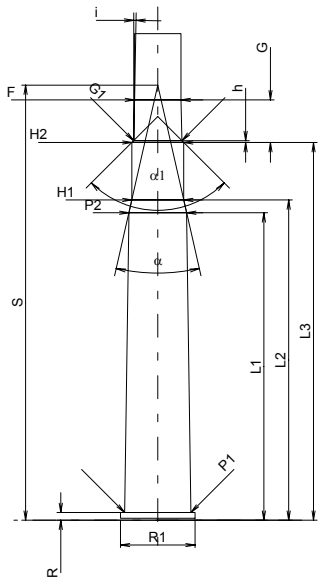
C.I.P.

375 Fl. Mag. N.E.

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

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	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	13.13
P2 *	=	11.43

Junction Cone

α	=	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

α	=	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
α1	=	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

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

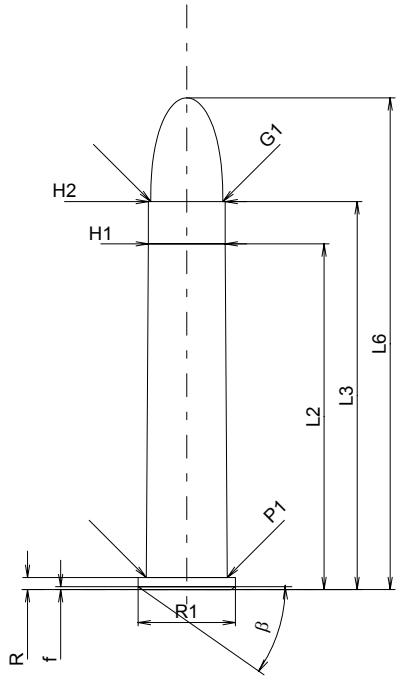
Notes: 1) Check for safety reasons
* Basic dimensions

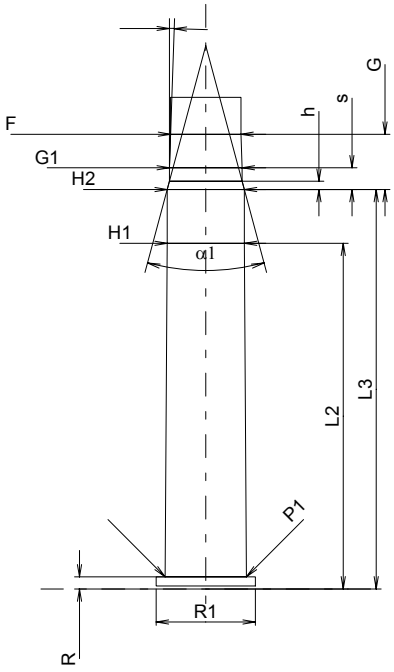
C.I.P.

375 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI				CHAMBER MINI			
Lengths				**Lengths**			
L1	=			L1	=		
L2	=	45.72		L2	=	45.72	
L3 1)	=	51.31		L3 1)	=	52.83	
L4	=						
L5	=						
L6	=	65.02					
Case Head				**Breech**			
R 1)	=	1.60	-0.25	R 1)	=	1.60	
R1	=	12.85		R1	=	13.11	
R3	=			R2	=		
E	=			R3	=		
E1	=			r	=		
e min	=						
δ	=						
f	=	0.38					
β	=	35°					
Powder Chamber				**Powder Chamber**			
				E	=		
P1	=	10.71		P1 1)	=	10.74	
P2	=			P2	=		
Junction Cone				**Junction Cone**			
α	=			α	=		
S	=			S	=		
r1 min	=			r1 max	=		
r2	=			r2	=		
Collar				**Collar**			
H1 *	=	10.16		H1 *	=	10.20	
H2 1)	=	10.16		H2 1)	=	10.20	
Projectile				**Commencement of Rifling**			
G1 1)	=	9.55		G1 1)*	=	9.61	
G2	=			G 1)	=	7.31	
F	=			α1 *	=	30°	
L3+G 1)	=	58.62		h	=	1.10	
				s	=	2.87	
Pressures (Energies)				i 1)*	=	2°	
Method Transducer				w	=		
Pmax	=	4400	bar	**Barrel**			
PK	=	5060	bar	F 1)*	=	9.30	
PE	=	5500	bar	Z 1)	=	9.55	
M	=	25.00		**Grooves**			
EE	=	2930	Joule	b	=	2.92	
				N	=	6	
				u	=	305.00	
				Q	=	70.16	mm²
Miscellaneous Dimensions							
Fe 1)	=	0.10					
delta L	=						

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

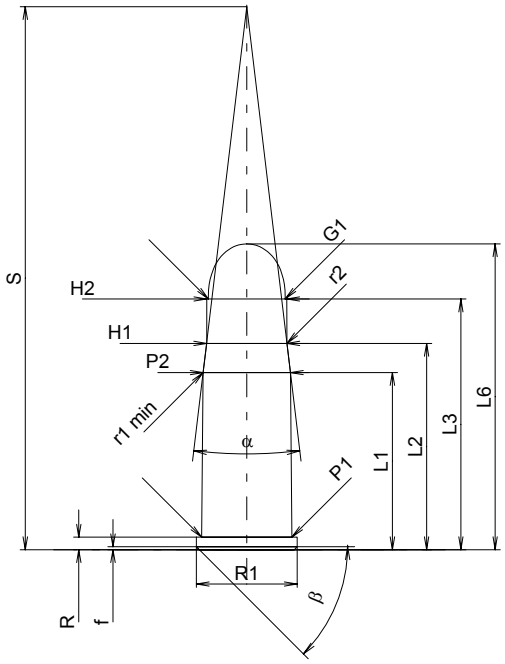
Notes: 1) Check for safety reasons
* Basic dimensions

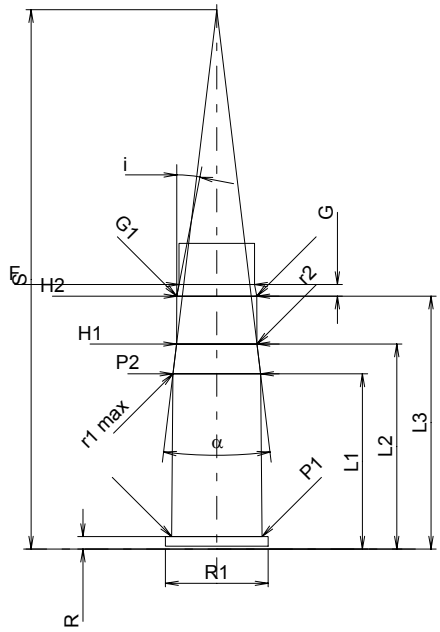
C.I.P.

38-40 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**52-05-15**





Scale 1:1

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	mm²

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

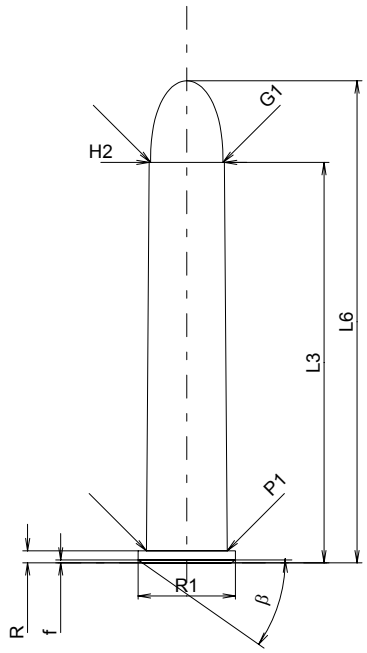
Notes: 1) Check for safety reasons
* Basic dimensions

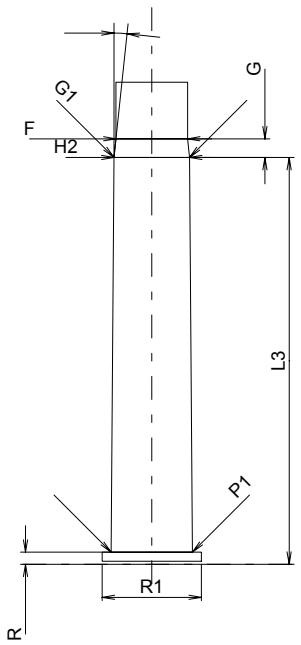
C.I.P.

38-55 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

CARTRIDGE MAXI

Lengths

L1	=		
L2	=		
L3 1)	=	52.96	
L4	=		
L5	=		
L6	=	63.75	

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	=	10.69
P2	=	

Junction Cone

α	=	
S	=	
r1 min	=	
r2	=	

Collar

H1	=	
H2 1)	=	9.96

Projectile

G1 1)	=	9.58
G2	=	
F	=	
L3+G 1)	=	55.43

Pressures (Energies)
Method Transducer

Pmax	=	2400	bar
PK	=	2760	bar
PE	=	3000	bar
M	=	25.00	
EE	=	1580	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1	=	
L2	=	
L3 1)	=	53.80

Breech

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

Powder Chamber

E	=	
P1 1)	=	10.73
P2	=	

Junction Cone

α	=	
S	=	
r1 max	=	
r2	=	

Collar

H1	=	
H2 1)	=	9.99

Commencement of Rifling

G1 1)*	=	9.99
G 1)	=	2.47
α1	=	
h	=	
s	=	
i 1)*	=	6°
w	=	

Barrel

F 1)*	=	9.47
Z 1)	=	9.63

Grooves

b	=	2.97	
N	=	6	
u	=	457.00	
Q	=	71.88	mm²

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

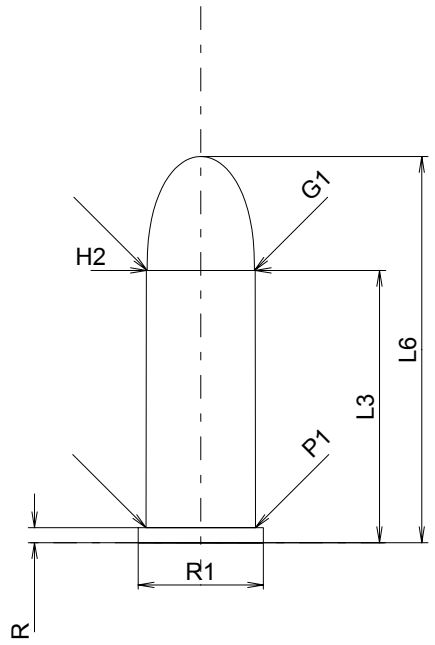
Notes: 1) Check for safety reasons
* Basic dimensions

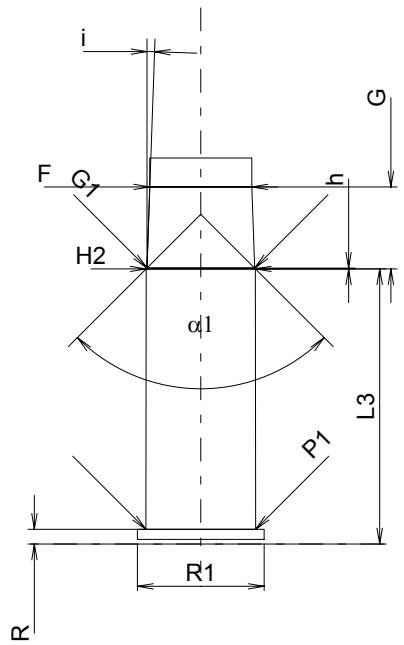
C.I.P.

380 Long Rifle

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1.5:1

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

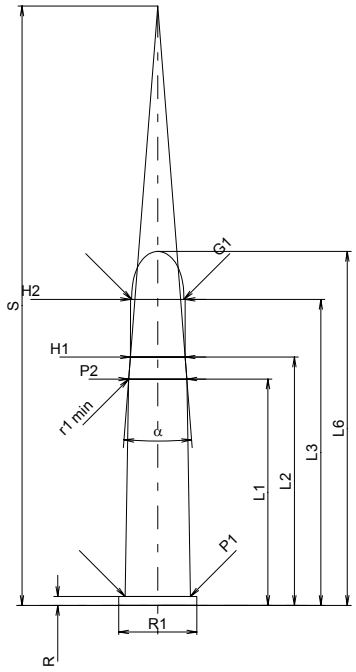
Notes: 1) Check for safety reasons
* Basic dimensions

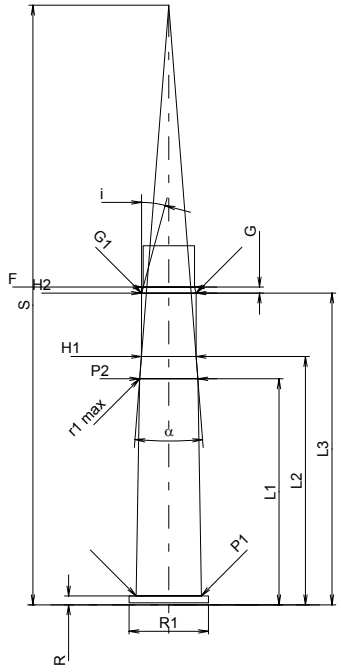
C.I.P.

40-82 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

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	mm²

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

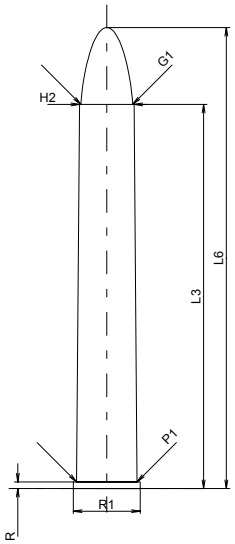
Notes: 1) Check for safety reasons
* Basic dimensions

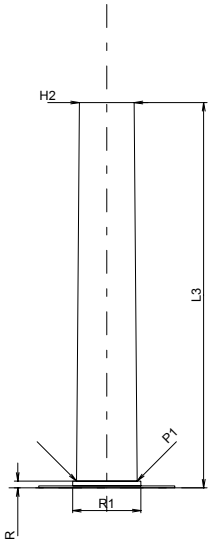
C.I.P.

400 N.E. B.P. 3" Purdey

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**00-06-07**





Scale 1:1.5

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	=	
$\alpha 1$	=	
h	=	
s	=	
i	=	
w	=	

Barrel

F	=	
Z	=	

Grooves

b	=	
N	=	
u	=	
Q	=	mm²

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

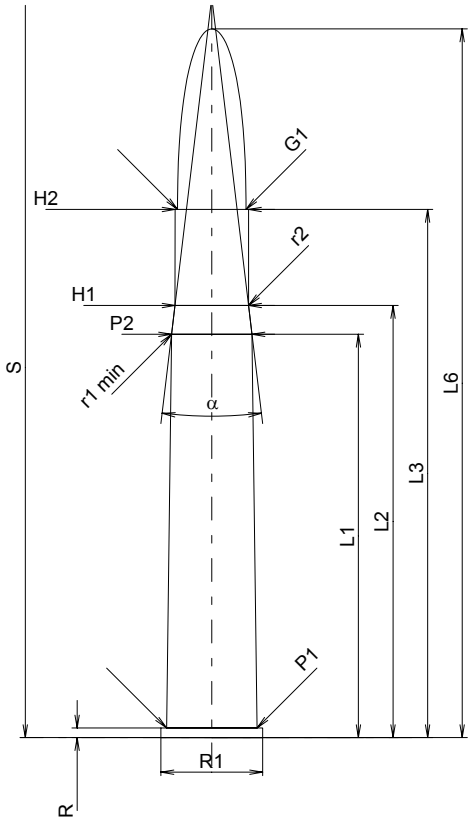
Notes: 1) Check for safety reasons

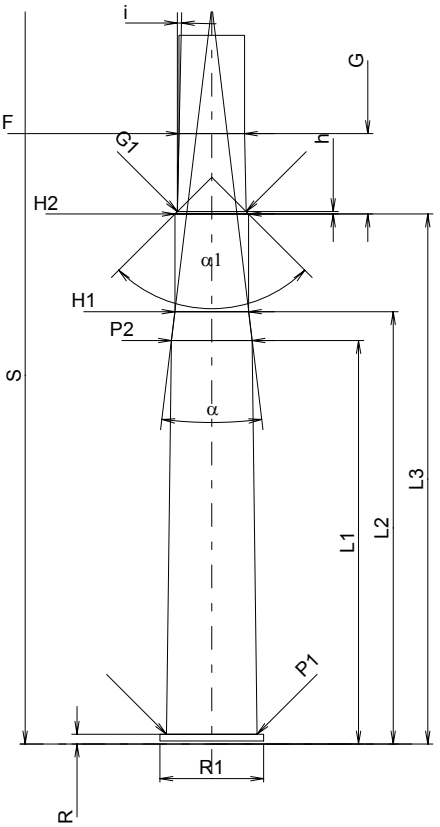
C.I.P.

400/350 N.E.

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	=		
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)	=	80.48

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

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°15'01"
w	=	

Barrel

F 1)*	=	8.65
Z 1)	=	9.00

Grooves

b	=		
N	=		
u	=	406.00	
Q	=	58.77	mm²

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

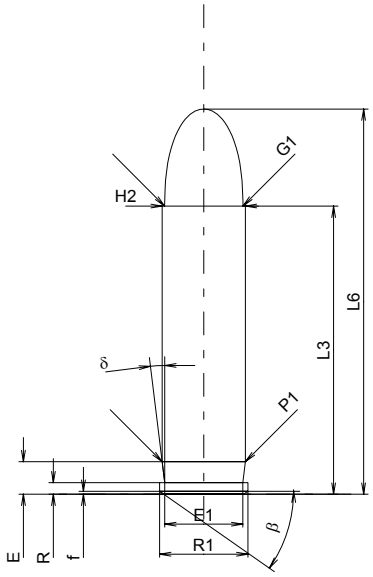
Notes: 1) Check for safety reasons
* Basic dimensions

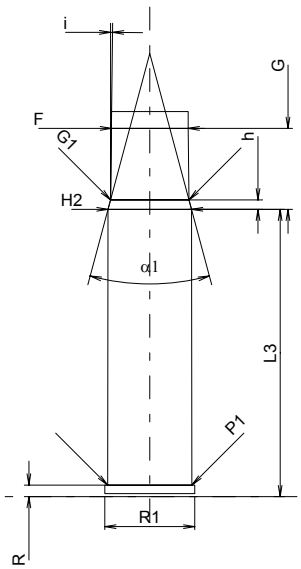
C.I.P.

401 Win. SL

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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
delta 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
α1 *	=	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	mm²

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

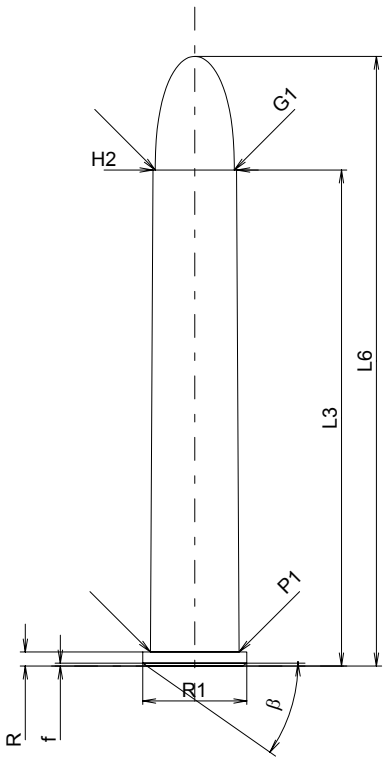
Notes: 1) Check for safety reasons
* Basic dimensions

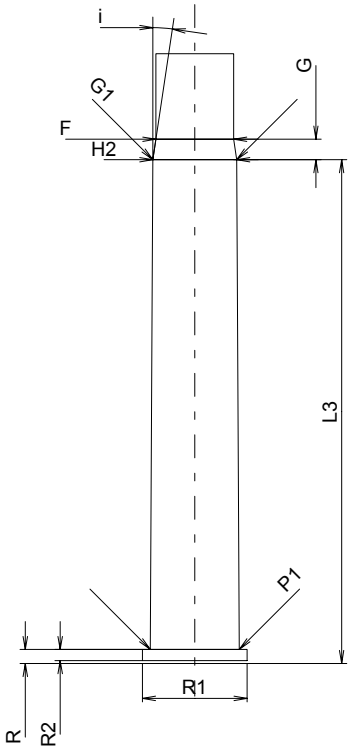
C.I.P.

405 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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

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

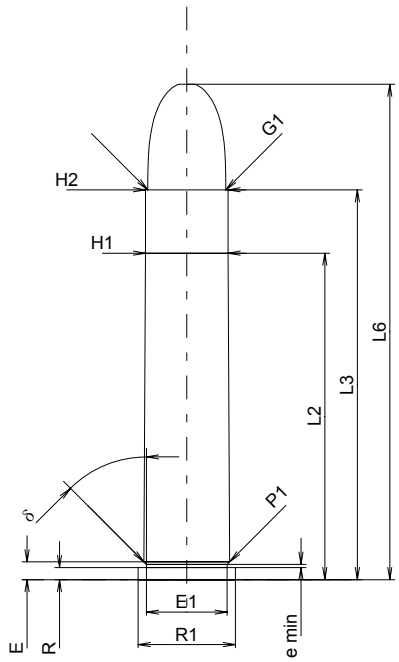
Notes: 1) Check for safety reasons
* Basic dimensions

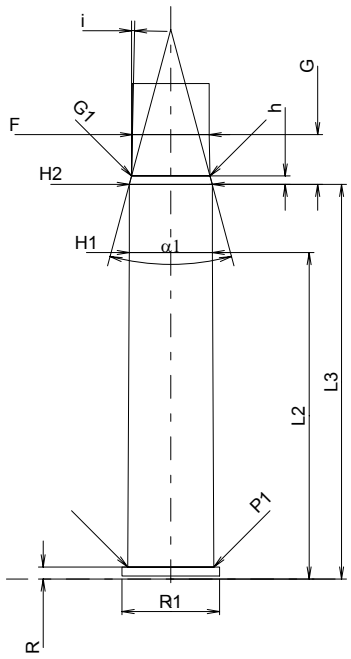
C.I.P.

408 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

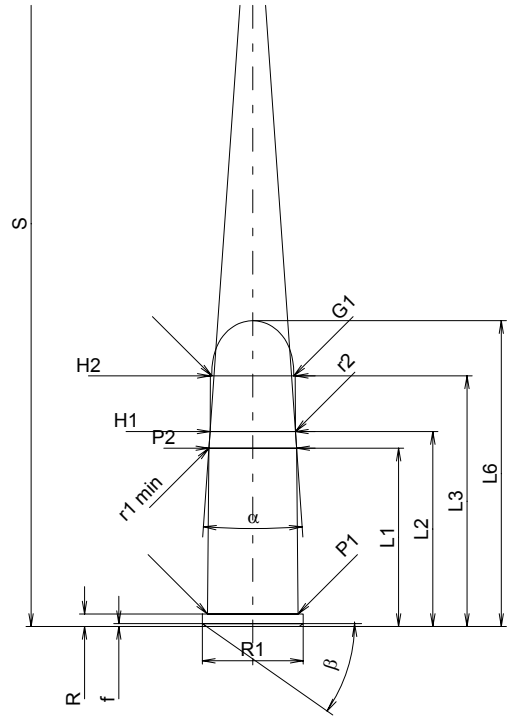
Notes: 1) Check for safety reasons
* Basic dimensions

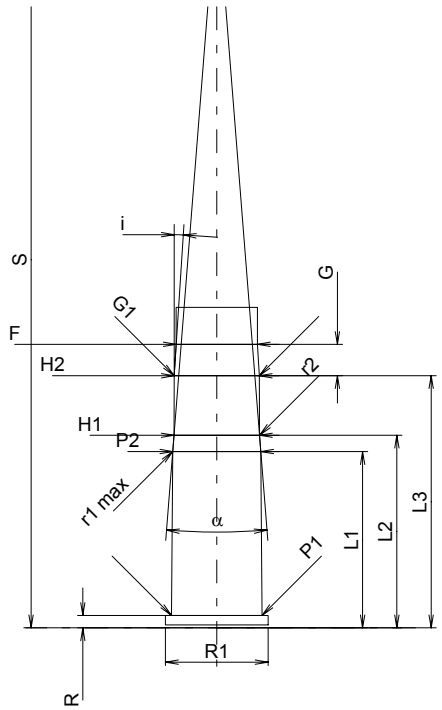
C.I.P.

44-40 Win.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	=		
δ	=		
f	=	0.38	
β	=	35°	

Powder Chamber

P1	=	11.97
P2 *	=	11.60

Junction Cone

α *	=	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

α *	=	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
α1 *	=	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

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

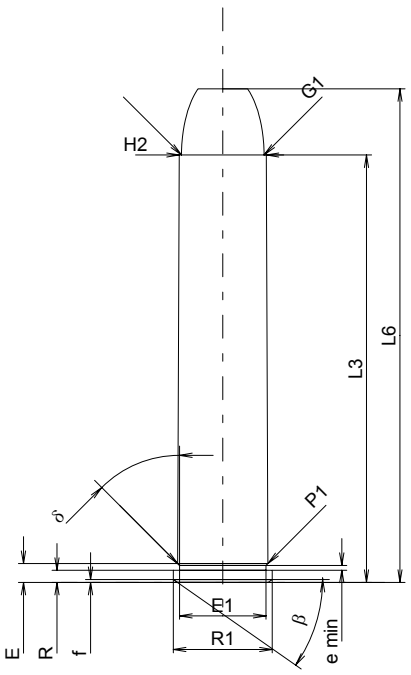
Notes: 1) Check for safety reasons
* Basic dimensions

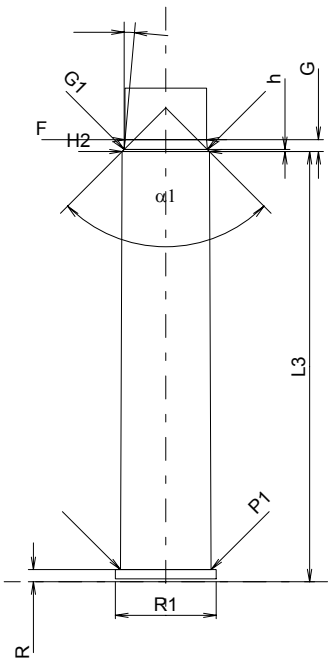
C.I.P.

444 Marlin

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

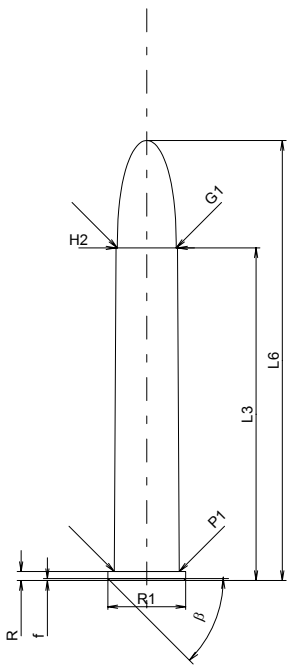
Notes: 1) Check for safety reasons
* Basic dimensions

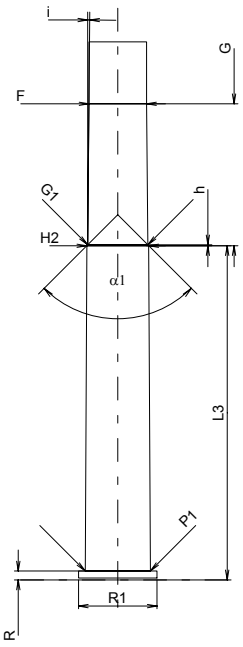
C.I.P.

45-70 Elko Mag.

Country of Origin: BE

TAB.	**II**
Date	**92-07-28**
Revision	**02-05-15**





Scale 1:1.5

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	mm²

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

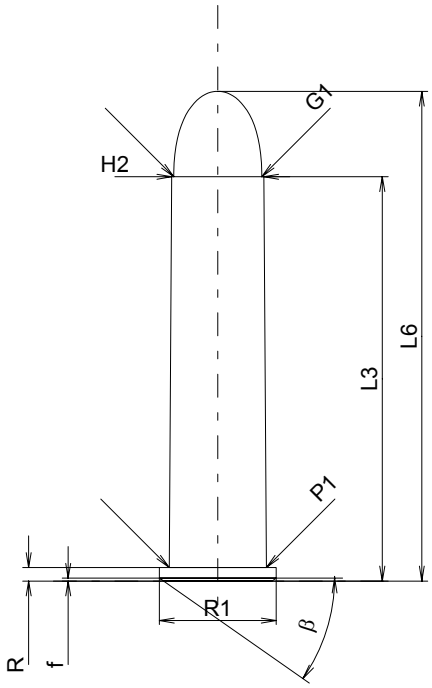
Notes: 1) Check for safety reasons
* Basic dimensions

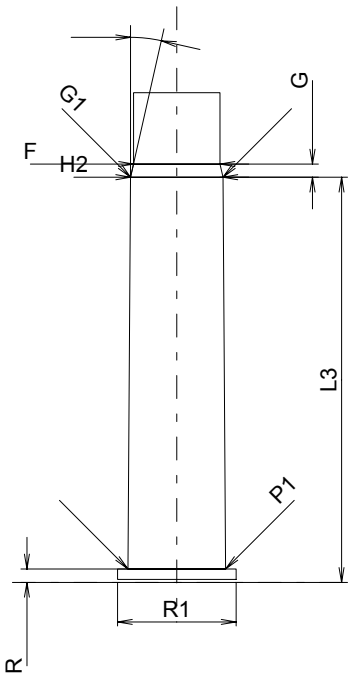
C.I.P.

45-70 Govt.

Country of Origin: US

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1

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	mm²

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

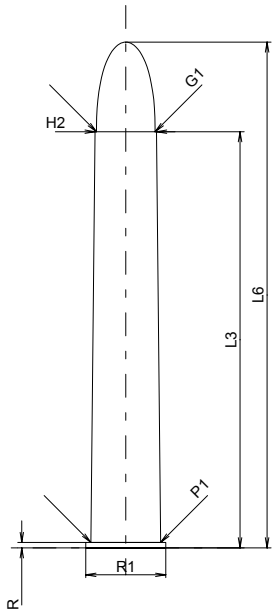
Notes: 1) Check for safety reasons
* Basic dimensions

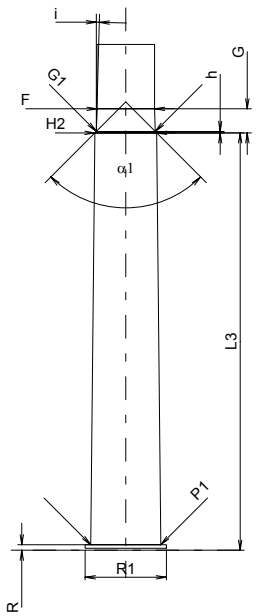
C.I.P.

450 N.E. 3" 1/4

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

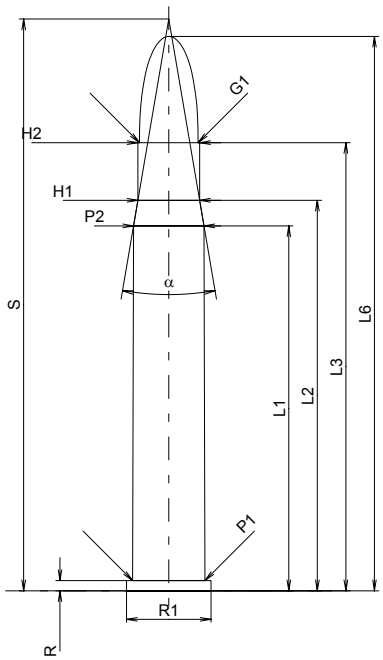
Notes: 1) Check for safety reasons
* Basic dimensions

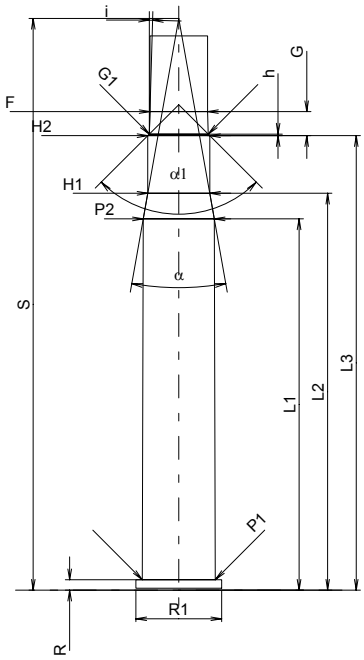
C.I.P.

450 No.2 N.E. 3"1/2 Eley

Country of Origin: GB

TAB.	**II**
Date	**98-01-27**
Revision	**02-05-15**





Scale 1:1.5

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

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

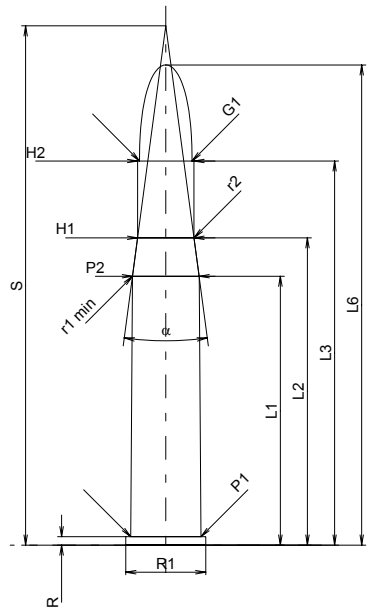
Notes: 1) Check for safety reasons
* Basic dimensions

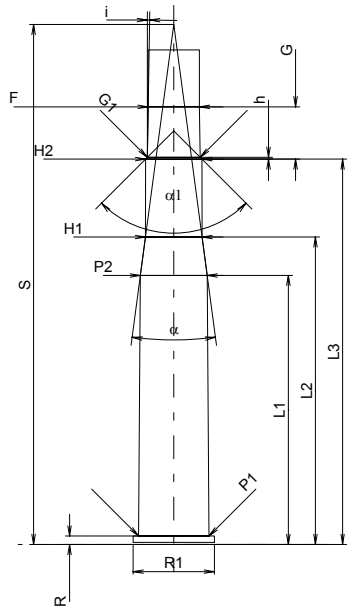
C.I.P.

450/400 N.E. 3"

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	13.92
P2 *	=	13.23

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α 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
α1	=	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

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

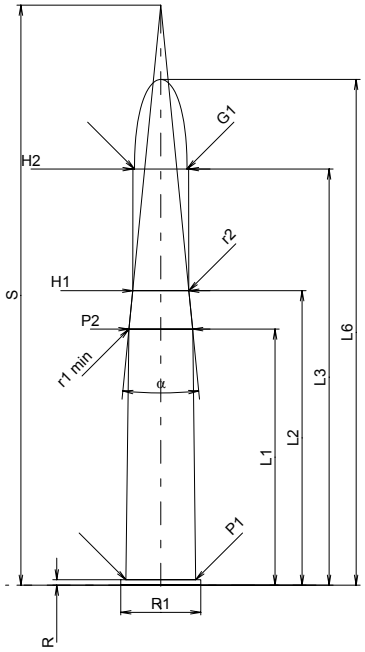
Notes: 1) Check for safety reasons
* Basic dimensions

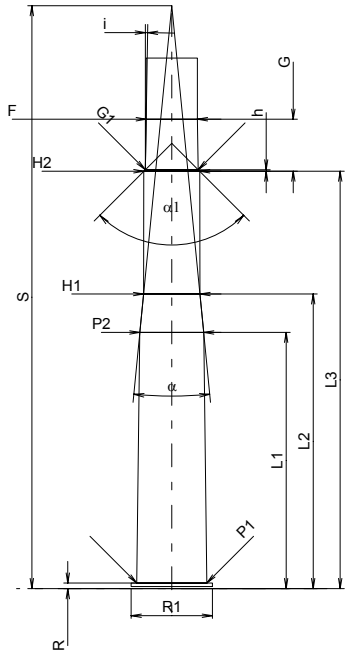
C.I.P.

450/400 Mag. N.E. 3"1/4

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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
α1	=	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

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

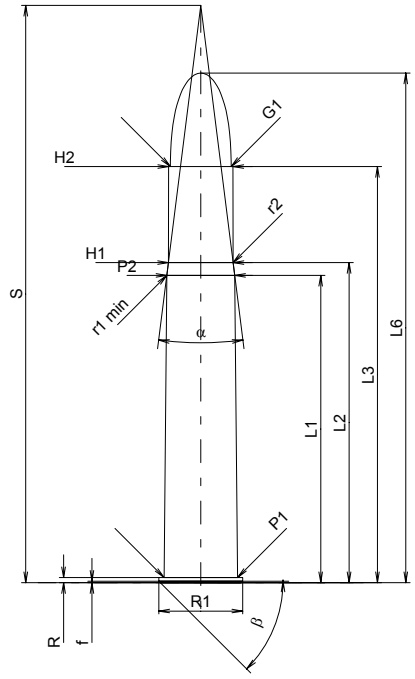
Notes: 1) Check for safety reasons
* Basic dimensions

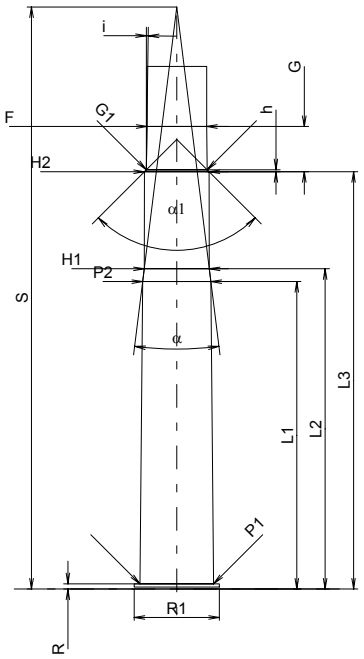
C.I.P.

470 N.E.

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

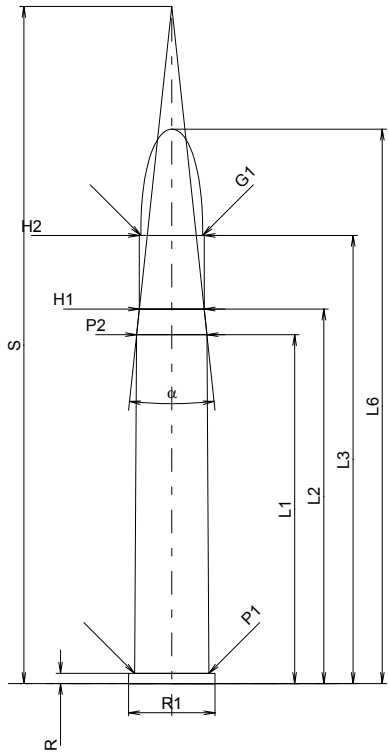
Notes: 1) Check for safety reasons
* Basic dimensions

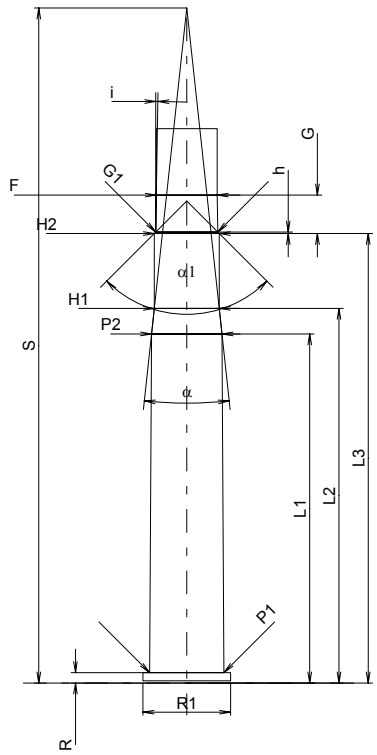
C.I.P.

475 No 2 N.E. 3"1/2

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

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	mm²

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

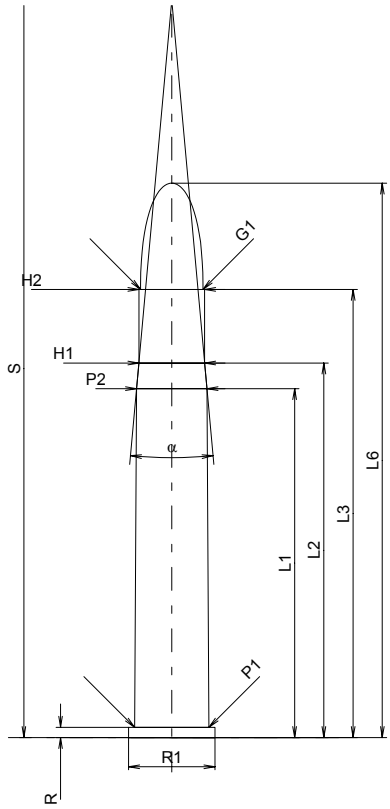
Notes: 1) Check for safety reasons
* Basic dimensions

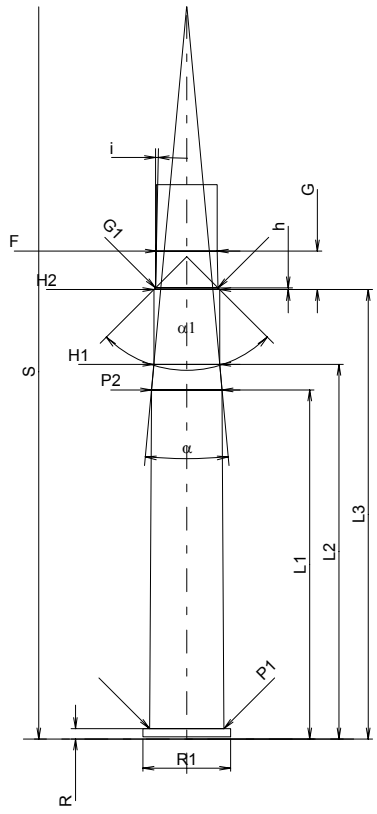
C.I.P.

475 N°2 N.E. 3"1/2 Jeffery

Country of Origin: GB

TAB.	**II**
Date	**98-01-27**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI				CHAMBER MINI			
Lengths				**Lengths**			
L1 *	=	69.21		L1 *	=	69.24	
L2 *	=	74.29		L2 *	=	74.32	
L3 1)	=	88.90		L3 1)	=	89.15	
L4	=						
L5	=						
L6	=	109.98					
Case Head				**Breech**			
R 1)	=	2.03	-0.25	R 1)	=	2.06	
R1	=	17.14		R1	=	17.40	
R3	=			R2	=		
E	=			R3	=		
E1	=			r	=		
e min	=						
δ	=						
f	=						
β	=						
Powder Chamber				**Powder Chamber**			
				E	=		
P1	=	14.73		P1 1)	=	14.76	
P2 *	=	13.97		P2 *	=	14.00	
Junction Cone				**Junction Cone**			
α	=	10°20'53"		α	=	10°27'36"	
S	=	146.35		S	=	145.71	
r1 min	=			r1 max	=		
r2	=			r2	=		
Collar				**Collar**			
H1 *	=	13.05		H1 *	=	13.07	
H2 1)	=	13.05		H2 1)	=	13.07	
Projectile				**Commencement of Rifling**			
G1 1)	=	12.39		G1 1)*	=	12.42	
G2	=			G 1)*	=	7.64	
F	=			α1	=	90°	
L3+G 1)	=	96.54		h *	=	0.33	
				s	=		
				i 1)	=	1°12'53"	
Pressures (Energies)				w	=		
Method Transducer							
Pmax	=	2750	bar	**Barrel**			
PK	=	3163	bar	F 1)*	=	12.11	
PE	=	3440	bar	Z 1)	=	12.42	
M	=	25.00		**Grooves**			
EE	=	6957	Joule	b	=	2.67	
				N	=	7	
				u	=	457.00	
				Q	=	118.10	mm²
Miscellaneous Dimensions							
Fe 1)	=	0.15					
delta L	=						

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

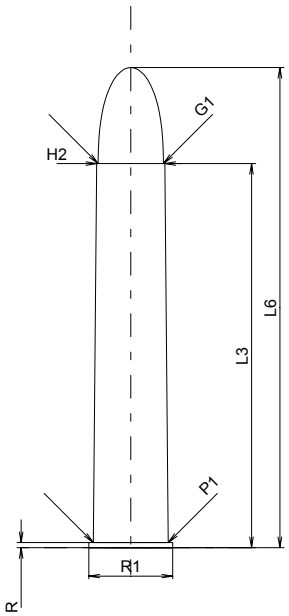
Notes: 1) Check for safety reasons
* Basic dimensions

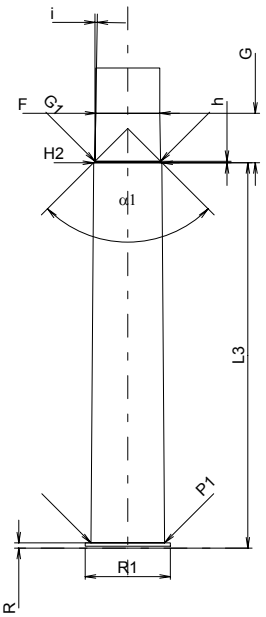
C.I.P.

500 N. E. 3"

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

Lengths

L1	=		
L2	=		
L3 1)	=	76.20	
L4	=		
L5	=		
L6	=	95.25	

Case Head

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

Powder Chamber

P1	=	14.85
P2	=	

Junction Cone

α	=	
S	=	
r1 min	=	
r2	=	

Collar

H1	=	
H2 1)	=	13.51

Projectile

G1 1)	=	12.95
G2	=	
F	=	
L3+G 1)	=	86.02

Pressures (Energies)
Method Transducer

Pmax	=	2800	bar
PK	=	3220	bar
PE	=	3500	bar
M	=	25.00	
EE	=	8400	Joule

Miscellaneous Dimensions

Fe 1)	=	0.15
delta L	=	

CHAMBER MINI

Lengths

L1	=	
L2	=	
L3 1)	=	76.45

Breech

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

Powder Chamber

E	=	
P1 1)	=	14.61
P2	=	

Junction Cone

α	=	
S	=	
r1 max	=	
r2	=	

Collar

H1	=	
H2 1)	=	13.54

Commencement of Rifling

G1 1)*	=	13.00
G 1)*	=	9.82
α1	=	90°
h *	=	0.27
s	=	
i 1)	=	0°53'59"
w	=	

Barrel

F 1)*	=	12.70
Z 1)	=	13.00

Grooves

b	=	3.61	
N	=	7	
u	=	381.00	
Q	=	130.52	mm²

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

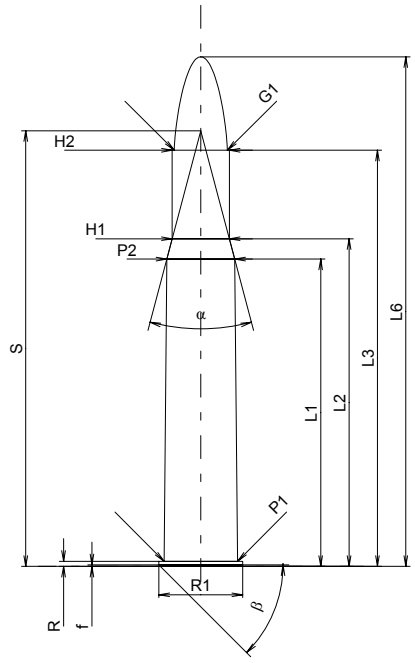
Notes: 1) Check for safety reasons
* Basic dimensions

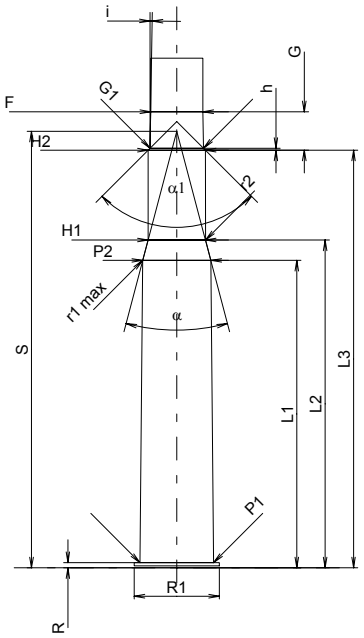
C.I.P.

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

Country of Origin: DE

TAB.	**II**
Date	**96-12-20**
Revision	**02-05-15**





Scale 1:1.5

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
α1	=	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	mm²

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

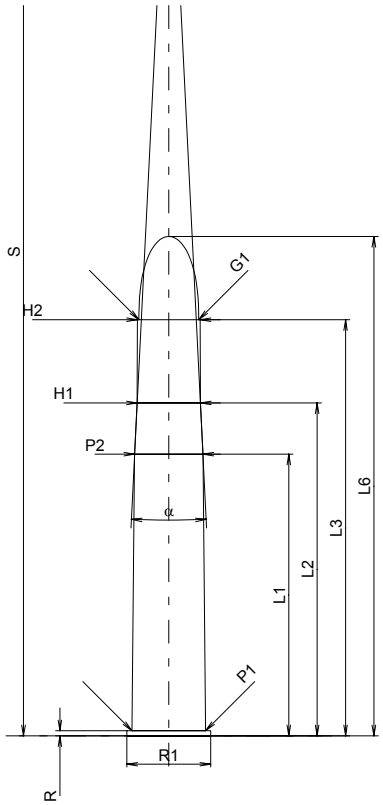
Notes: 1) Check for safety reasons
* Basic dimensions

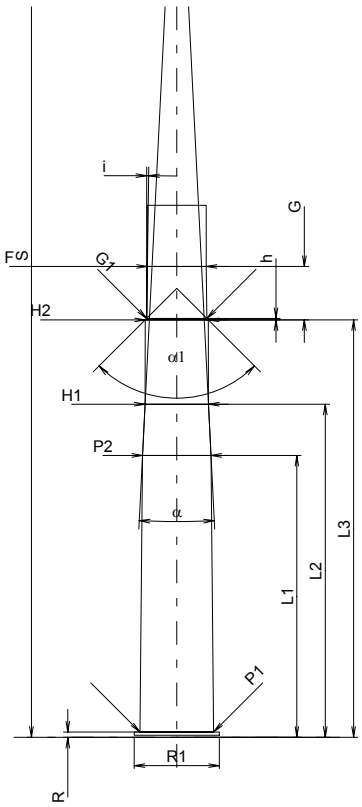
C.I.P.

500/465 N.E.

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

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	mm²

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

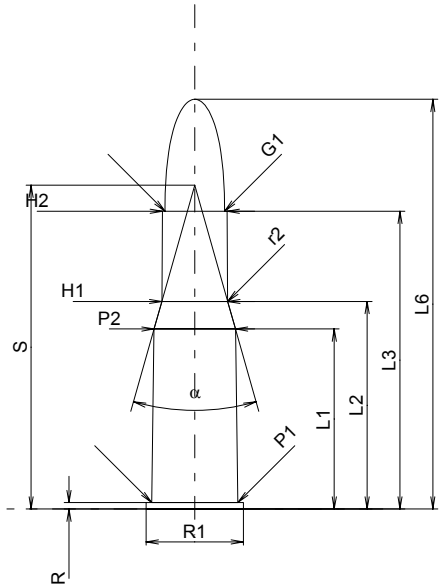
Notes: 1) Check for safety reasons
* Basic dimensions

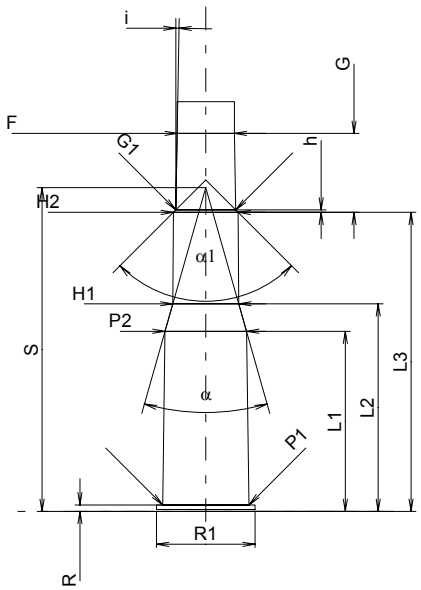
C.I.P.

577/450 Sld. Mart. H.

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	17.07
P2 *	=	16.15

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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

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

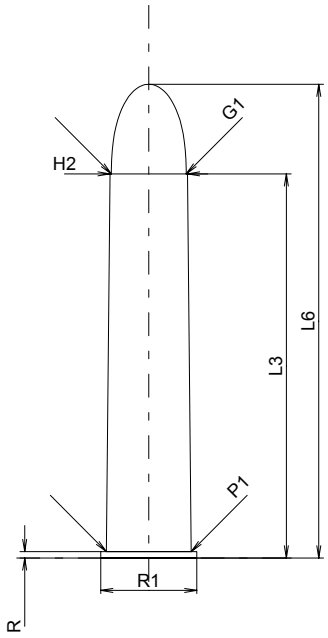
Notes: 1) Check for safety reasons
* Basic dimensions

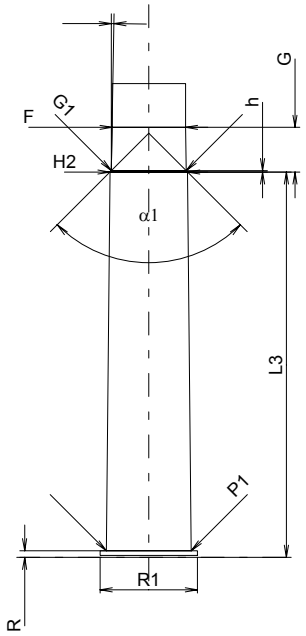
C.I.P.

577 N.E. 3"

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

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

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

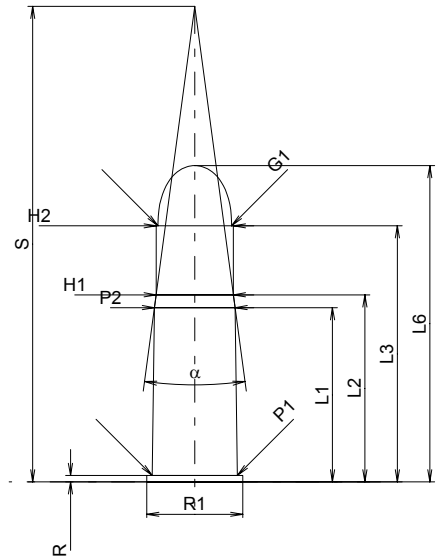
Notes: 1) Check for safety reasons
* Basic dimensions

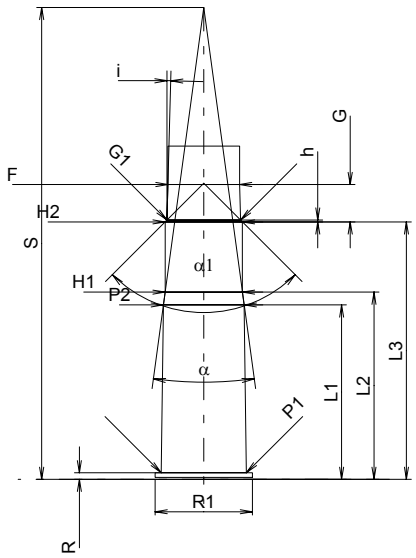
C.I.P.

577 Sld. Snider

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=		
δ	=		
f	=		
β	=		

Powder Chamber

P1	=	16.89
P2 *	=	16.00

Junction Cone

α	=	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	=	

CHAMBER MINI

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

α	=	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
α1	=	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

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

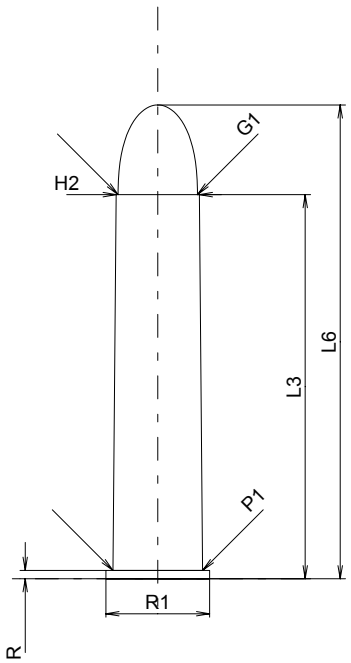
Notes: 1) Check for safety reasons
* Basic dimensions

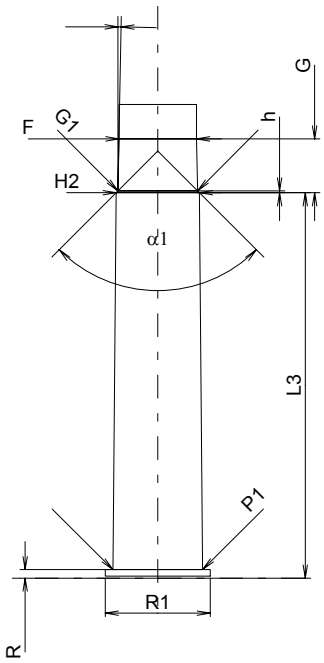
C.I.P.

600 N.E.

Country of Origin: GB

TAB.	**II**
Date	**84-06-14**
Revision	**02-05-15**





Scale 1:1.5

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

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

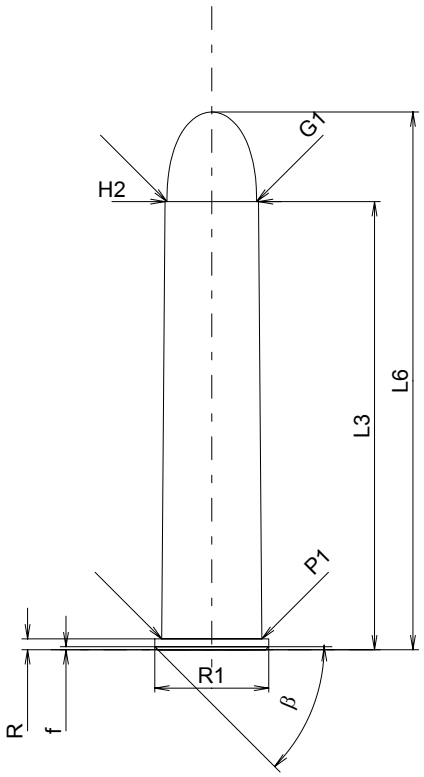
Notes: 1) Check for safety reasons
* Basic dimensions

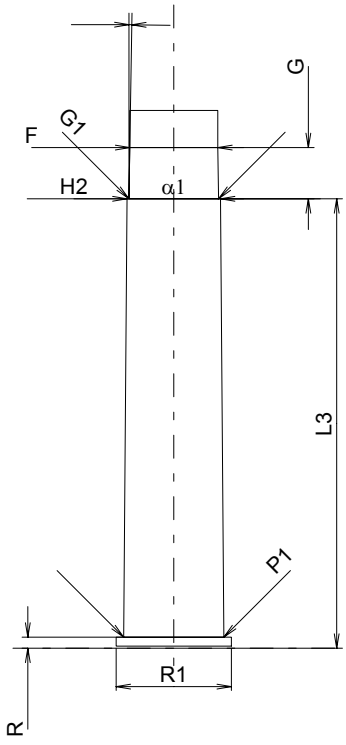
C.I.P.

700 H.& H. Nitro Exp.

Country of Origin: GB

TAB.	**II**
Date	**92-04-06**
Revision	**02-05-15**





Scale 1:1.5

CARTRIDGE MAXI

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	=	

CHAMBER MINI

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

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

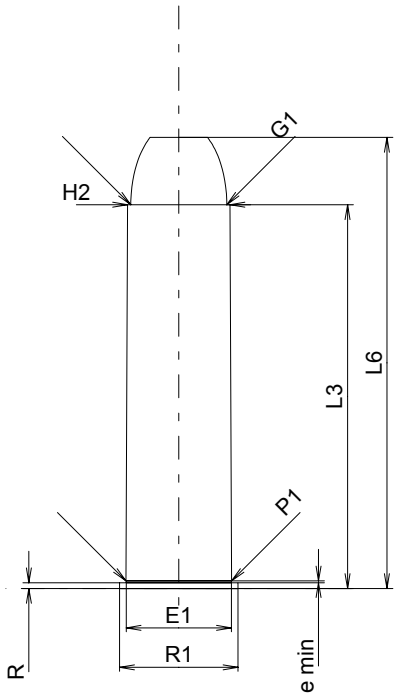
Notes: 1) Check for safety reasons
* Basic dimensions

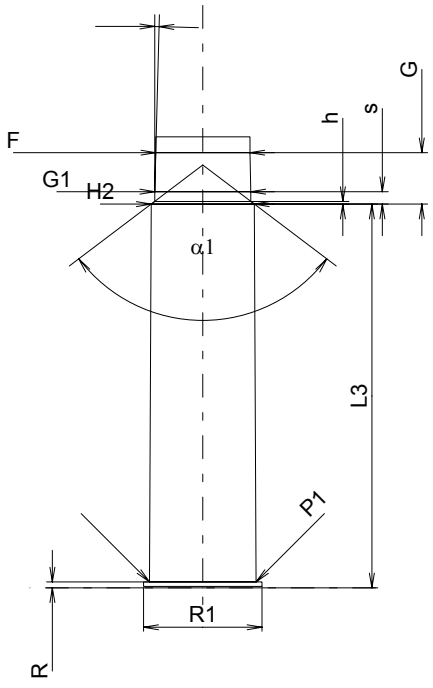
C.I.P.

4 Bore Rifle

Country of Origin: US

TAB.	**II**
Date	**93-09-27**
Revision	**02-05-15**





Scale 1:2

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

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

Notes: 1) Check for safety reasons
* Basic dimensions