



## 9X19 LUGER GENERAL PURPOSE

Bullet Type	FMJ
Core	Lead - Antimony
Bullet Weight	115 grain (7,5 gram)
	124 grain (8,03 gram)
Jacket Material	Brass - CuZn30 (Ms70)
Cartridge Case Material	Brass - CuZn30 (Ms70)
Primer Type	4.4 SP Boxer Primer
Powder Type	Double Base - Smokeless Powder
Velocity	115 grain - 1120 fps
	124 grain - 1050 fps
Pressure	115 grain - 220.6 MPa
	124 grain - 225.5 MPa
Energy	115 grain - 320 ft/lb
	124 grain - 304 ft/lb



ALL STANDARDS IN





## TECHNICAL DATA SHEET

pistol rounds caliber 9x19 mm with bullet FMJ CuZn30 according C.I.P.	
Caliber	9x19 mm Luger
Bullet mass	124grs
Bullet type	Full metal jacket CuZn30 ( non magnetic) with lead core
Case	Non-lacquered, brass CuZn30
Powder	Lovex Explosia
Primer	BOXER type
Safeness and reliability of rounds	A round function infallibly in various climatic conditions in temperatures from -50 OC to +50 °C. Products made as a result of burning the powder charge cannot negatively influence the automatics of the weapon regardless of the number of shots taken at one time. Rounds cannot have any signs of mechanical damage made during their production, they have to meet the requirements of reliable functioning.
Marking	- mark of the producer and caliber on the shell bottom - mark of the producer, caliber, type of ammunition, date of production, gross weight and ammunition consignment on the box
Packing	Ammunition is packed in units of 50 rounds in a collective pack of 1000 rounds.
Made in	Czech republic



Power Factor			
Input Data			
Bullet Weight:	<b>115.0 gr</b>	Caliber:	0.355 in
Muzzle Velocity:	1120.0 ft/s		
Output Data			
IDPA Power Factor	129	TSA Power Factor	128800
IPSC Power Factor	128	USPSA Power Factor	128
SASS Power Factor	128.8		
IDPA			
Stock Service Pistol:	Yes (+3.0%)	Enhanced Service Pistol:	Yes (+3.0%)
Stock Service Revolver:	No (+22.7%)	Enhanced Service Revolver:	No (-21.9%)
Custom Defense Pistol:	No (-21.9%)		
IPSC			
Open (Minor):	Yes (+2.4%)	Open (Major):	No (-20.0%)
Standard (Minor):	Yes (+2.4%)	Standard (Major):	No (-24.7%)
Modified (Minor):	Yes (+2.4%)	Modified (Major):	No (-24.7%)
Revolver-Standard (Minor):	Yes (+2.4%)	Revolver-Standard (Major):	No (-24.7%)
Production (Minor):	Yes (+2.4%)		



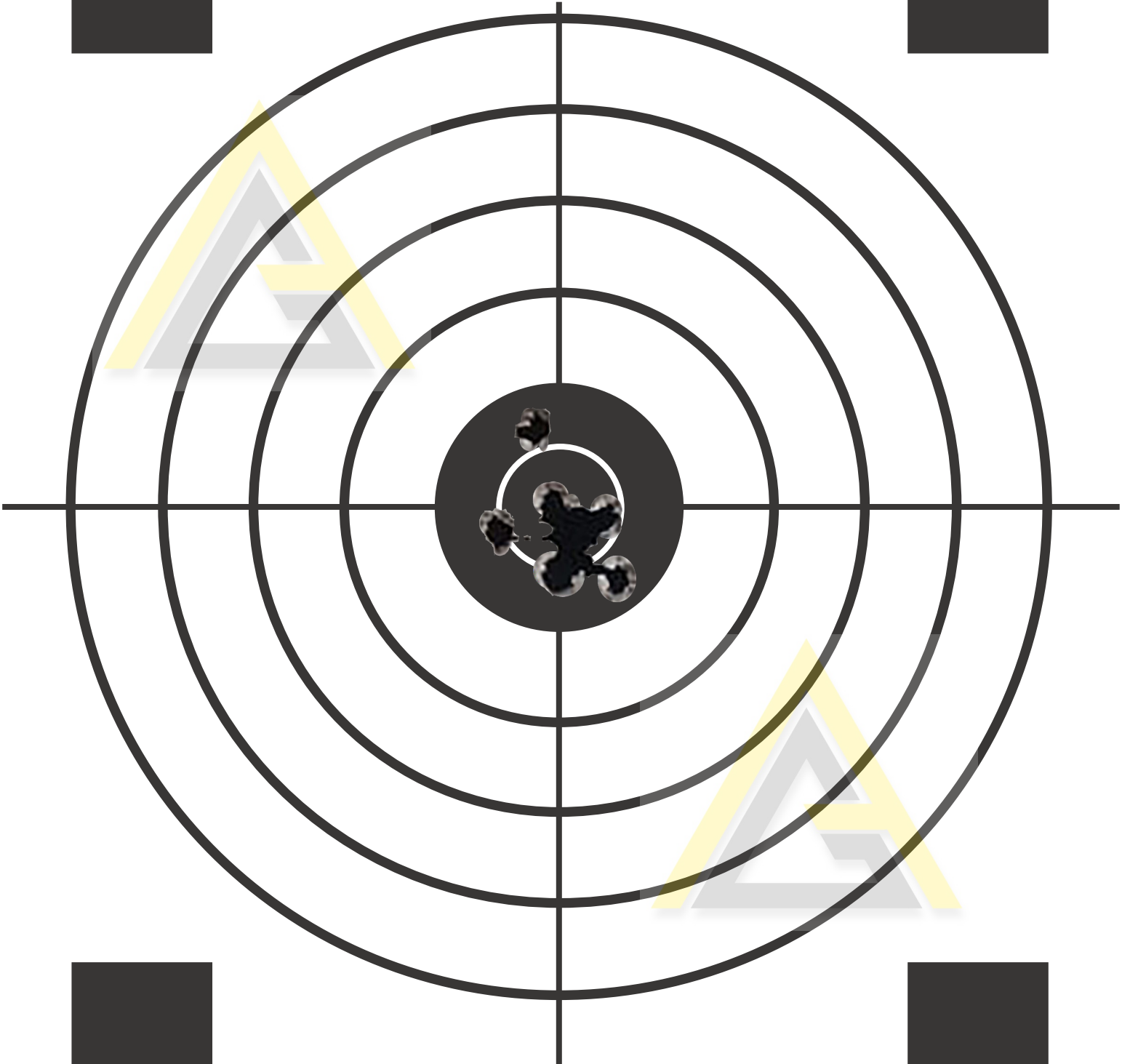
Power Factor			
Input Data			
Bullet Weight:	<b>124.0 gr</b>	Caliber:	0.355 in
Muzzle Velocity:	1050.0 ft/s		
Output Data			
IDPA Power Factor	130	TSA Power Factor	130200
IPSC Power Factor	130	USPSA Power Factor	130
SASS Power Factor	130.2		
IDPA			
Stock Service Pistol:	Yes (+4.2%)	Enhanced Service Pistol:	Yes (+4.2%)
Stock Service Revolver:	No (+24.0%)	Enhanced Service Revolver:	No (-21.1%)
Custom Defense Pistol:	No (-21.1%)		
IPSC			
Open (Minor):	Yes (+4.0%)	Open (Major):	No (-18.8%)
Standard (Minor):	Yes (+4.0%)	Standard (Major):	No (-23.5%)
Modified (Minor):	Yes (+4.0%)	Modified (Major):	No (-23.5%)
Revolver-Standard (Minor):	Yes (+4.0%)	Revolver-Standard (Major):	No (-23.5%)
Production (Minor):	Yes (+4.0%)		



**GLOBAL  
AMMOTECH**

**BULLSEYE**

DATE : 25.06.2024  
TARGET : NSSF BULLSEYE  
SHOTS : 10  
DISTANCE : 25 M



RADIUS : 16 mm  
BULLET : 115 gr - 9 mm LUGER



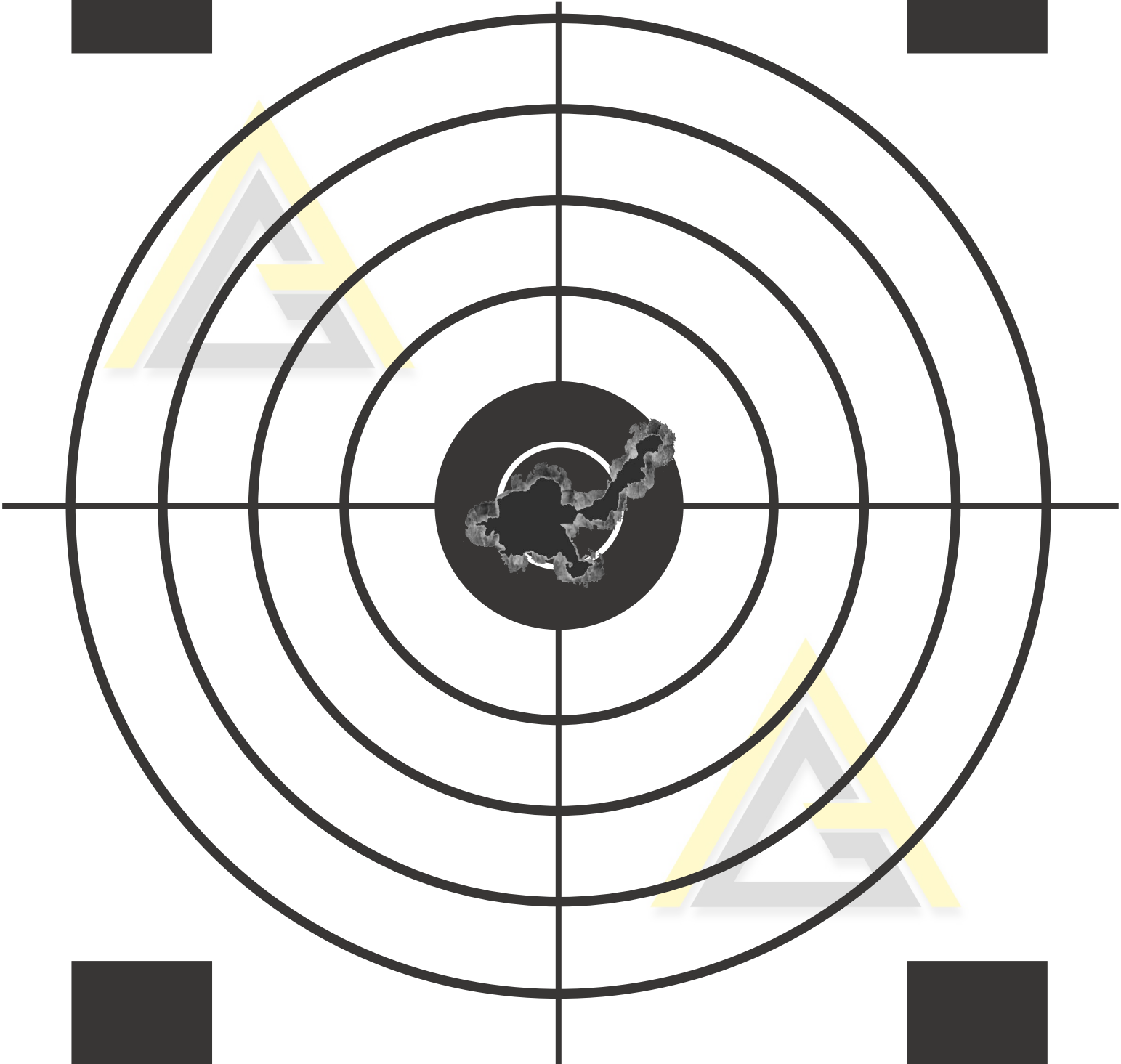
This test have been implemented with the ammunitions which are produced using Supra Defense's high quality components.



**GLOBAL  
AMMOTECH**

**BULLSEYE**

DATE : 25.06.2024  
TARGET : NSSF BULLSEYE  
SHOTS : 10  
DISTANCE : 25 M



RADIUS : 17 mm  
BULLET : 124 gr - 9 mm LUGER



This test have been implemented with the ammunitions which are produced using Supra Defense's high quality components.

**C.I.P.****9 mm Luger**

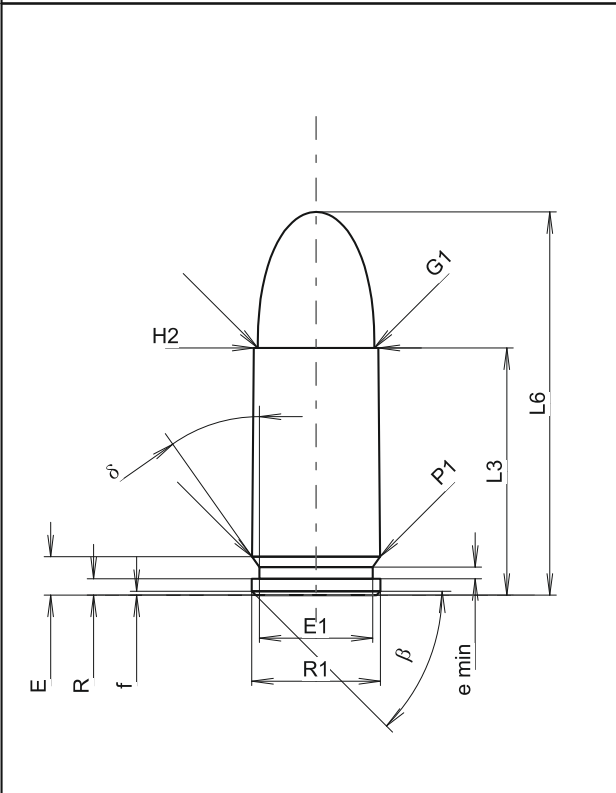
Country of Origin: DE

TAB. IV

Date 84-06-14

Revision 08-09-23

Alternative Names: 9 mm Para(bellum), 9 x 19 (mm)

**CARTRIDGE MAXI****Lengths**

L1	=		
L2	=		
L3 <sup>1)</sup>	=	19.15	-0.25
L4	=		
L5	=		
L6	=	29.69	

**Case Head**

R	=	1.27	
R1	=	9.96	
R3	=		
E	=	2.98	
E1	=	8.79	
e min	=	0.90	
delta	=	35°	
f	=	0.30	
beta	=	45°	

**Powder Chamber**

P1	=	9.93	
P2	=		

**Junction Cone**

alpha	=		
S	=		
r1 min	=		
r2	=		

**Collar**

H1	=		
H2 <sup>1)</sup>	=	9.65	

**Projectile**

G1 <sup>1)</sup>	=	9.03	
G2	=		
F	=		
L3+G <sup>1)</sup>	=	22.50	

**Pressures (Energies)****Method Transducer**

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

**Miscellaneous Dimensions**

Fe <sup>1)6)</sup>	=	0.30	
delta L	=		

**CHAMBER MINI****Lengths**

L1	=		
L2	=		
L3 <sup>1)</sup>	=	19.15	

**Breech**

R	=		
R1	=	10.00	
R2	=		
R3	=		
r	=		

**Powder Chamber**

E	=	2.98	
P1 <sup>1)</sup>	=	9.96	
P2	=		

**Junction Cone**

alpha	=		
S	=		
r1 max	=		
r2	=		

**Collar**

H1	=		
H2 <sup>1)</sup>	=	9.68	

**Commencement of Rifling**

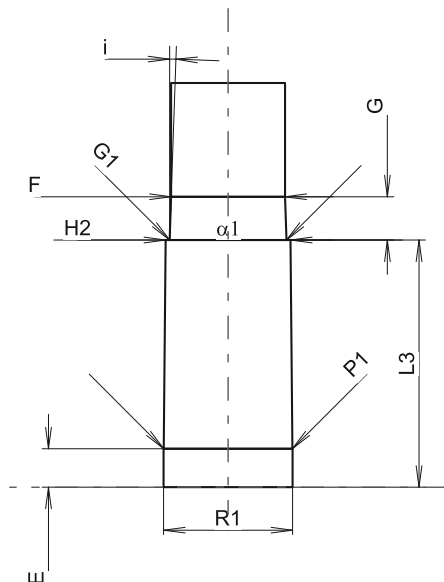
G1 <sup>1)</sup> *	=	9.05	
G <sup>1)</sup> *	=	3.35	
alpha1	=	180°	
h	=		
s	=		
i <sup>1)</sup>	=	1°57'57"	
w	=		

**Barrel**

F <sup>1)</sup> *	=	8.82	
Z <sup>1)</sup>	=	9.02	

**Grooves**

b	=	2.49	
N	=	6	
u	=	250.00	
Q	=	62.61	mm <sup>2</sup>



Scale 1.71:1

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

Notes: 1) Check for safety reasons  
 6) Headspace on Case Mouth  
 \* Basic dimensions