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WARNING: Since we have no control over equipment or data which may be used with this program, no responsibility is implied or assumed for results obtained through its use. The user must assume the entire risk of using program and computed results.

Calculations according to G1 - Drag Function

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Trajectory calculation:**Date: 28-jun-2015****Time: 14:46:06****Comment****Gun / Ammunition****9.3 x 62****Bullet****.366, 247, RWS KS**

Bullet weight	16,00 g	246,92 gr.	Bullet diameter	9,30 mm	0,366 in.
Sectional Density SD	0,263 lb./sq.in.		1st Coefficient of form (i)	0,822	
Height of sight above bore axis	4,5 cm	1,77 in.	Crosswind velocity	4,47 m/s	10,0 Mph.
Angle of crosswind to L.O.S.	90 deg.		Gyroscopic Stability (Miller)	4,43	
			Twist Length (RH)	279,4 mm	11,0 in.

Single Ballistic Coefficient C1 0,320 (ICAO)

Atmosphere for table:

Std.ICAO

Air temperature

15 °C

59 °F

Altitude ab./bel. sea level

0 m

0 ft

Barometric pressure

1013,25 hPa

29,92 in.Hg.

Relative humidity

0 %

Air density

1,225 kg/m³

0,07647 lb./ft.³

Bullet velocity v0	780 m/s	2559,1 fps.	Bullet energy E0	4868 Joule	3590 ft.lbs.
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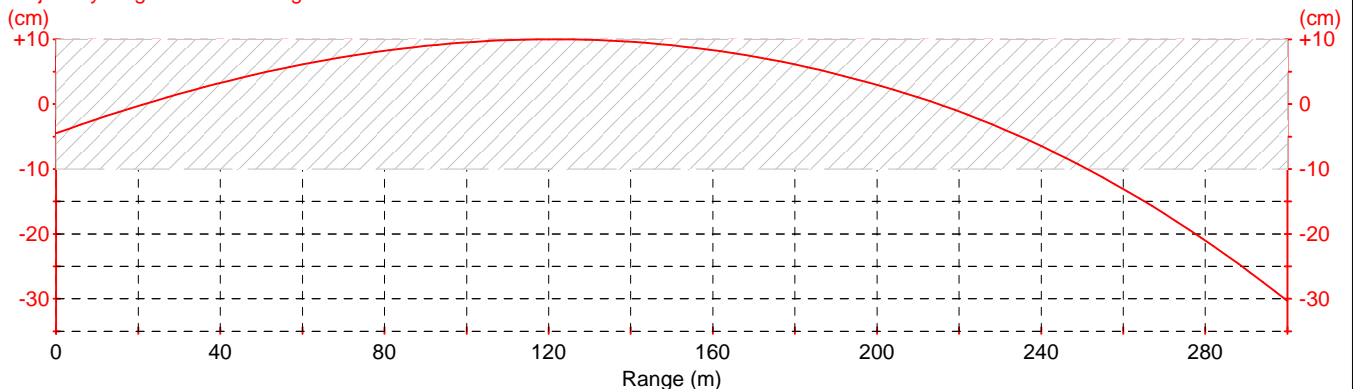
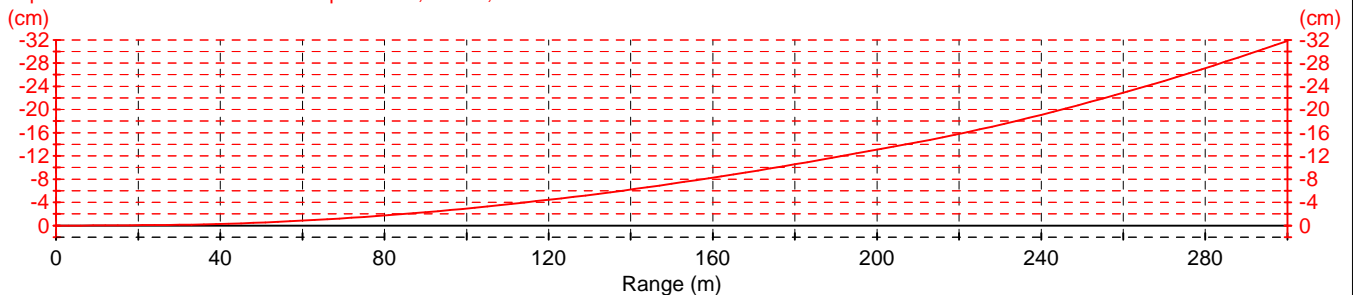
Suggested Point Blank Range settings:

Optimum zero-in range	215 m	235 yd.	Range to peak of path	121 m	132 yd.
Maximum point blank range	251 m	274 yd.	Vital height above/below LOS	10,0 cm	3,94 in.

Your settings for table:

Zero range obtained at level firing	215,0 m	235,1 yd.	Sight adjustment, 1 click at 100 m	4,0 cm	1,575 in.
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Angle between firing direction and line of bore : 7,810 Minutes of Angle (MOA)

Trajectory height vs. Line of Sight**Top view: Side deflection at wind speed of 4,47 m/s; Twist: 279.4 mm****Velocity**

(m/s)

+800

+700

+600

+500

+400

+300

+200

+100

0

0

40

80

120

160

200

240

280

Range (m)

Energy

(Joule)

+5000

+4000

+3000

+2000

+1000

0

0

40

80

120

160

200

240

280