



USER HANDBOOK

STERLING

SUB-MACHINE GUN

9-mm. MK 4

(S.M.G. 9mm. L.2.A.3.)

STERLING ARMAMENT COMPANY LIMITED
DAGENHAM . ESSEX . ENGLAND

CONTRACTORS TO MINISTRY OF DEFENCE, HER MAJESTY'S GOVERNMENT,
CROWN AGENTS, AND OVERSEAS GOVERNMENTS.
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STERLING SUB-MACHINE GUN 9-mm. MK. 4.



Above: Shown with butt extended and bayonet fitted
Below: Shown folded

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SECTION I—GENERAL

1.0 INTRODUCTION. The Sterling Sub-Machine Gun, Mark 4, is a light and easily handled weapon which will selectively fire automatically or single shot. Standard 9 mm Parabellum ammunition is used.

It is a short range weapon normally used for engagement at ranges up to 200 yards. It may be used at longer ranges dependant on the skill of the firer.

On account of its accuracy, lightness and reliability, the gun can be regarded as a general purpose weapon.

It is automatic, being operated by case reaction or "blow back" whether fired "single shot" or in bursts.

2.0 TECHNICAL DETAILS

Calibre	9 mm.....	9 mm
Length—butt folded.....	19 inches.....	48.2 cms
—butt extended.....	27 inches.....	69 cms
Weight—machine gun only.....	6 lbs (approx.).....	2.7 Kg (approx.)
—with full magazine (34 rds).....	7 lb 10 oz (approx.).....	3.5 Kg (approx.)
—with full magazine and bayonet..	8 lb 4 oz (approx.).....	3.73 Kg (approx.)
Barrel—length.....	7.8 inches.....	19.8 cms
—number of grooves.....	6.....	
—pitch of rifling.....	1 turn in 9.84 inches.....	25 cms
—twist of rifling.....	Right hand.....	
Sights—radius.....	16.1 inches.....	41 cms
—type.....	Rear—aperture.....	
	Fore—blade.....	
—range settings.....	100 and 200 yards.....	100 and 200 metres
Cyclic rate of fire.....	550 r.p.m. approx.....	

TERMINAL VELOCITY AND KINETIC ENERGY OF STANDARD 9 mm BULLET

RANGE		VELOCITY		KINETIC ENERGY	
Yards	Metres	Ft/Sec	M/Sec	Ft/lbs	Kgm
0	0	1280	390	447	62.2
109	100	1115	340	339	47.0
218	200	975	298	262	36.4
327	300	872	266	207	28.7
436	400	780	238	167	23.2
545	500	700	214	135	18.8
654	600	632	193	109	15.2
763	700	572	174	89	12.3
872	800	518	158	74	10.2

