

## SIGHT SPECIFICATIONS

### OPTICAL

System	Parallax-free, reflex collimator
Magnification	No magnification (1X)
Eye relief	Unlimited
Reticule, colour	Reticule, red (610Nm – 630Nm)
Optical coating	Anti-reflex coating all surfaces

### ELECTRONIC

Reticule illumination	LED
Battery type	One 3 volt CR-123 type
Battery life	Storage 10 years
Operating battery life	±800 cycles

### MECHANICAL

Housing material	Machined aircraft-grade aluminium
Surface finish	Gunkote SCK6
Mounting	Picatinny rail (MIL-STD 1913)

### DIMENSIONS

Length	110mm
Height	95mm
Width	70mm
Weight	455 grams - with battery

### ENVIRONMENTAL

Temperature range	-46°C to +71°C
Water resistance	Waterproof to 2m water depth (submersible)

## 40mm AMMUNITION

The XRGL40<sup>®</sup> weapon system was designed to fire 40 x 46mm LV and 40 x 51 mm MV grenades, as well as most types of less-lethal ammunition currently in production. This includes grenades with extremely low port pressure.



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*unmatched innovation*

## **XRGL40<sup>®</sup>** **WEAPON SYSTEM** 40MM EXTENDED RANGE MULTI- SHOT GRENADE LAUNCHER



### "VERSATILITY, MOBILITY AND LETHALITY"

The XRGL40<sup>®</sup> is the world's first 4th generation 40mm hand-held grenade launcher. Its innovative design, coupled with the GR40<sup>®</sup> reflex sight and medium velocity grenades, provides exceptional operational flexibility.

This combination allows for awesome firepower at ranges up to 800m.

The XRGL40<sup>®</sup> fitted with the compact, all-weather GR40<sup>®</sup> sighting system is designed as an area weapon, giving the individual operator the flexibility of extreme firepower at longer ranges. In a pinpoint role it is used at ranges up to 250m.

Besides being able to fire all standard Low and Medium Velocity ammunition on the market, the XRGL40<sup>®</sup> has also been certified to fire the latest less-than-lethal ammunition with extremely low port pressure.

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## COMPETITIVE ADVANTAGES OF THE RIPPEL EFFECT XRGL40®

- Allows the operator to load and use any combination of standard 40 x 46 Low Velocity (LV) rounds, less-lethal LV carrier rounds with low port pressure, as well as 40 x 51 Medium Velocity (MV) rounds in the same weapon.
- Weighs 5kg.
- Is accurate as an area weapon at ranges up to 800m.
- Can fit a range of unique and specifically developed reflex sighting systems, allowing the client maximum flexibility for specific requirements.
- Is tested, qualified and manufactured to NATO specifications.

It is the individual operator's answer for extreme firepower in combat situations. He can use the same weapon in a less-than-lethal role in specialised urban and crowd control operations.

It is designed for use by:

- Dedicated infantry grenadiers
- Special Forces
- Marines
- Peacekeeping Forces
- Law enforcement agencies

## WEAPON SPECIFICATIONS

CHARACTERISTIC	DIMENSIONS
Length (stock closed)	650mm
Length (stock open)	730mm
Weight (empty)	5kg Nominal
Height (without sight)	200mm
Width	160mm
Length of barrel	260mm
Calibre	40 x 46mm and 40 x 51 mm
Effective range	375m / 800m
Cylinder length	140mm
Rifling	R.H. twist, progressing from 0 to 1 turn in 1.2m
Magazine type	Rotating cylinder
Cylinder capacity	6 rounds of less than 140mm in length
Mode of fire	Percussion
Advance mechanism	Gas operated (VPPD™)
Sight options	GR40® Reflex sight (with elevation mechanism)
Surface treatment	Gunkote SCK6
IMPORTANT SAFETY NOTE	
Mean Service Pressure (MSP)	18.10MPa
Maximum Operating Pressure (MOP)	20.02 MPa (ESCP + 3 STD DEV)

## ACCESSORIES

The XRGL40® is individually packaged with the following accessories:

- Complete cleaning kit
- Carry sling and canvas carry bag
- User pamphlet

Special tools and test equipment, as well as technical documentation for training and maintenance are also supplied.

## TRAINING AND LOGISTIC SUPPORT

Functional training and logistic support are provided in the client's country by experienced personnel.



## GR40® SIGHTING SYSTEM

The GR40® - manufactured exclusively by Rippele Effect - is an all-weather electronically programmable reflex sight developed for use with the XRGL40®, Rippele Effect's unique 4<sup>th</sup> generation 40mm Extended Range Grenade Launcher. The system can be used in daylight and in complete darkness with night-vision equipment.

The GR40® is aimed with both eyes open. This gives an unobstructed view of the target and allows the operator to stay focused on it at all times, even if the target is moving. The operator can see the results of previous shots, thus allowing for fast and accurate aim correction.

The elevation mechanism of the GR40® automatically compensates for the drift caused by the yaw of the projectile.

The sight is electronically programmed with range settings for 40 x 46mm low velocity and 40 x 51 mm medium velocity ammunition.

The high-contrast red-grid reticule allows the operator to estimate range and compensates for changing wind conditions. The reticule intensity is automatically adjusted to compensate for ambient light intensity during normal operation mode. The GR40® also has an ultra-low light mode for use with night-vision equipment.