

# TECHNICAL SUMMARY

## UNIQUE ALPINE TPG-3 A4

PRECISION SNIPER RIFLE REV.02-2016



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### PREFACE

*In 2003 Unique Alpine AG already identified the need of a high precision sniper rifle enabling armed forces to accomplish critical missions and launched the Unique Alpine TPG-1 A1 milestone in weapon history.*

*The Unique Alpine TPG-1 was ahead of its time and truly unique, delivering the highest degree of accuracy and extreme wide application potential.*

*2011 Unique Alpine AG is pleased to introduce the **Unique Alpine TPG-3 Precision Sniper Rifle**. Developed by Special Forces Operators and highly skilled Engineers, creating the next generation of fully modular, multi-calibre bolt-action rifles. Built to the stringent specifications of Special Forces, delivering surgical precise fire into selected targets.*

*The **TPG-3 A4 Precision Sniper Rifle** is a fully modular chassis rifle, outperforming traditional Rifles in Precision, Reliability and Accuracy. Enabling the operator to accomplish the most difficult and critical missions possible.*

*Due to its new revolutionary design and construction, the total cost of ownership (TCO) is held to a minimum by minimizing maintenance and logistical costs.*

#### **Key Features at a glance:**

**FULL MODULARITY**  
**TOTAL INTERCHANGEABILITY**  
**EXTREME FLEXIBILITY**  
**REPEATABILITY**  
**MULTI CALIBER**  
**LOW COST OF OWNERSHIP**  
**OUTSTANDING ACCURACY**  
**LONG DURABILITY**

*The Unique Alpine TPG-3 A4 is the weapon that will deliver for the future armed forces.*

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The **Unique Alpine TPG-3 A4** is a fully modular, multi-calibre Precision Sniper Rifle for tactical high precision long range shooting.

The **Unique Alpine TPG-3 A4** is a multi-calibre System ready to use.

**7,62x51Nato**

**.300 Win. Mag.**

**.338 Lapua Magnum**

The **Unique Alpine TPG-3 A4** is made of high quality materials and utilizes modern coatings and precision CNC manufacturing resulting in outstanding toughness, reliability and excellent accuracy.

The unique action design ensures safety and strength for excellent accuracy and most extreme condition.

The action fitted NATO-STANAG 4694 (MIL-STD 1913 Picatinny) base rail allows mounting optical sight and is available in different heights and angles.

The forend with patented MIL-STD. 1913 interfaces allows the wide use of different optics and accessories like laser designators, night visions devices, slings and bipods. The 1913 MIL-STD rail segments may be mounted at various points on and around the non-monolithic aluminium forend to suit personal preferences and operational/mission requirements. The forend is designed to allow a high barrel cooling rate.

The fully adjustable folding stock allows easy transportation and compact storage. The quick detachable rear monopod (butt spike) is extendable and fine adjustable.

Detachable non-corrosive high capacity composite magazines combine high fire power and easy handling.

A fully adjustable two stage trigger allows precise fire control and can be set to the operator's needs.

The new barrel design gives extended barrel life and match grade accuracy. The barrel may be quickly exchanged by the operator in less than a minute.

The **Unique Alpine TPG-3 A4** multiple safety systems enhance safety for the operator. A manual thumb safety blocks the striker from forward movement, the additional drop safety system is fitted to prevent uncontrolled fire if the weapon is dropped or jarred.

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### Overall Length:

With 20" barrel stock folded:	33 Inch / 840mm
With 20" barrel stock open:	43 ¼ Inch / 1100mm
With 24" barrel stock folded:	37 Inch / 940mm
With 24" barrel stock open:	47 ¼ Inch / 1205mm
With 26" barrel stock folded:	39 Inch / 991mm
With 26" barrel stock open:	49 ¼ Inch / 1251mm
With 28" barrel stock folded:	41 Inch / 1041mm
With 28" barrel stock open:	51 ¼ Inch / 1301mm

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### Total Width:

Open (incl. bolt handle):	95mm
Folded (incl. bolt handle):	95mm

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### Weight:

With 20" barrel fluted: with magazine empty no accessories	13,65lbs / 6,2kg
With 24" barrel fluted: with magazine empty no accessories	13,65lbs / 6,4kg
With 26" barrel fluted: with magazine empty no accessories	13,65lbs / 6,5kg
With 28" barrel fluted: with magazine empty no accessories	13,65lbs / 6,6kg

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### Material / Surface Finish / Color:

Barrel:	carbon steel, matt, ceramic coated, Fed. Std. 595c 30118, matt
Action:	aluminium, hard coated, Fed. Std. 595c 30118, matt
Bolt:	high grade steel, black coated
Chassis/Stock:	aluminium, hard coated, Fed. Std. 595c 30118, matt
Magazine:	polyamide (grivory), matt, Fed. Std. 595c 30118
Mount:	aluminium, hard coated, Fed. Std. 595c 30118, matt

Federal Standard 595c 30118 is a brownish colour similar to RAL 7008

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### Environment Resistance Statement:

All used materials and coatings are corrosion resistant according to NATO AC/225 D.14 /MIL-STD 810F method 509.4

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### Endurance:

Barrel Life Cal. .338: min. 5000 round (compliance to NATO AC/225 D.14)

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### Operating/Storage Condition

Operating Temperature: -60°C to +55°C (compliance to NATO AC/225 D.14 / MIL-STD 810F method 501.4)

Operation Humidity: 98%RH +25 to +35 condensing (compliance to NATO AC/225 D.14 / MIL-STD 810F method 507.4)

Storage Temperature: -60°C to +65°C

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### Stock Adjustments:

Stock Length:	30mm / 1 ¼ Inch
Buttplate Tilt:	7° / 15° left/right
Buttplate Lateral Rotation:	+/- 15° continuously
Buttplate Height (Horizontal):	+/- 50mm / 2 Inch
Cheek Piece Height:	30mm / 1 ¼ Inch continuously adjustment, additional ¼ Inch spacers up to 4 total adjustment 60mm / 2 ¼ Inch
Pistol Grip:	Ergonomic (interface M16 / AR-15) changeable

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### Trigger/Fire Control:

Fully Adjustable in:	travel pull weight trigger stop
By technical Personal: By Operator:	2,5 – 4,5 lbs. / 1000 – 3000g max +/- 1000g from standard setting
Trigger Guard:	35mmx35mm space between trigger guard and trigger-shoe for firing, using a glove.

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### Safety:

System:	multiple safety system
Primary Safety:	blocks the striker unit (firing pin)
Secondary Safety:	drop safety, catches sear if primary safety fails
Tertiary Safety:	optional grip safety, blocks the trigger prevents accidental / uncontrolled fire

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### Magazine:

Cal 7,62x51mm:	15 round high capacity 10 round low capacity
Cal. 300 Win. Mag:	10 round high capacity 5 round low capacity
Cal .338 Lapua:	8 round high capacity 5 round low capacity

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### Optical Interface:

Mil. Spec. Rail 1913      30° / 20° / 0° forward cant

### Accessory Interface:

X-Connect™      modular anchorage points 6x at 45° / 90° / 135° / 180° / 225° / 270° / 315°

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### Sight:

Emergency Sight:	open iron sight, detachable
Telescopic Day Sight:	several options available
Night Sight Possibility:	yes, different options available

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### Offered Accessories:

bipod detachable

rear grip extention

monopod

fore-end detachable

mount for optical scopes (day)

silencer (tactical -30dB (max) 950g)

system case Mil-Spec IP65 (similar to Pelican)

1913 Rails 2" / 4" with 0° forward cant for use on X-Connect™ Modular Anchorage Points

sling swivel adapter for use on X-Connect™ Modular Anchorage Points

gun sling

cleaning kit

tool kit consisting out of key torx, T20 and T25

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### **Ammunition / Range:**

The **Unique Alpine TPG-3 A4** is designed and chambered to use CIP / SAAMI approved type of ammunition.

Due the high precision of the **Unique Alpine TPG-3 A4** only quality ammunition should be used to achieve the best possible result.

The max. effective range is approx. 800m (7,62) 1300m (.300 Win. Mag.) and 2000m (.338 Lapua Magnum) depending on bullet weight and load.

The Accuracy with match grade Ammunition will be sub 1MOA on a 5round grouping, shot out of a rest.

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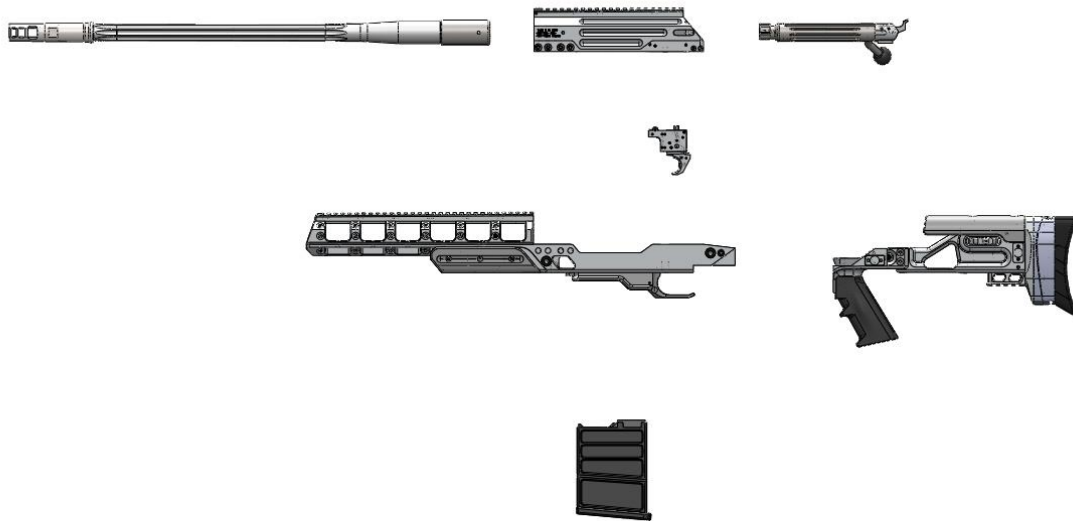
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#### Stripping and Assembling:

The *Unique Alpine TPG-3 A4* is fully field maintainable and strippable due to its modular construction.



In total, there are seven subassemblies, whereas the operator level only has two relevant subassemblies for daily service field cleaning which can be removed without tools.

Further work / service can be achieved with only 2 different tools (Torx 20/25).

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### **Maintenance:**

Due to the intelligent modular construction, a serviceman **can maintain The *Unique Alpine TPG-3 A4* without special tools or machinery.** The exchange of broken parts does not need any gunsmith work.

The result is low maintenance costs. Fully interchangeable weapons will result in low logistic costs.

Unique Alpine AG is offering technical support in form of engineering support, consisting of technical literature, training manuals, a user hand book for each sniper rifle and an illustrated spare part list (priced and not priced).

Further Unique Alpine AG offers a special, tuned to the customer training program for the technical personnel and maintenance staff at customers location.

### **Documentation with the Rifle:**

Unique Alpine AG will provide each rifle a hand book containing safety regulations and a handling manual.

### **Further Documentation:**

Unique Alpine AG will provide a maintenance and repair manual. These manuals can be provided with each rifle or separately upon request.