



## Vorpals Solo

The base element of the Vorpals Muzzle Device Series, The Vorpals Solo is a highly effective muzzle brake providing rapid gas porting whilst maintaining a compact size. Available to fit most common muzzle threads, and it can be left mounted to the rifle.

The heavy profile accessory thread allows for mounting the Vorpals Zephyr family of moderators or the Vorpals BLAST-E.R. muzzle blast effect reducer. Alternatively, a thread protector is provided for when you want to use the Solo, solo.

### **Available thread forms:**

1/2" UNF (1/2 x 20TPI)	Commonly found in UK on rimfire and centrefire up to .308"
1/2" UNEF (1/2 x 28 TPI)	AR15 variants. Standard for rimfire and smallbores in USA
5/8" UNEF (5/8 x 24 TPI)	AR10 Variants. Ruger™ Precision Rifle™
M15x1	Common on European centrefire rifles.
M18x1	Alternative on heavy barrelled European centrefire rifles eg. SAKO™ TRG™

## Fitting instructions for Vorpals Solo

Unload Weapon and prove clear.

Remove any existing muzzle device

Check thread on solo and on weapon muzzle are the same.

Clean muzzle thread.

If a thread locking compound is to be used, degrease the Solo, otherwise, apply a little light oil to prevent seizing.

Screw Solo on by hand, noting the alignment of the gas ports when fully screwed up.

Gas ports should be at just approaching "3" and "9" O'clock positions when fitted by hand.

Using a 4mm bar or combination tool CT-1, tighten the Solo into correct orientation. A 3.8 or 4mm drill bit can be used for this if needs be.

A number of special washers are supplied to allow the Solo to be tightened up into the correct orientation. Fit the Schnorr (ribbed) washer first with its broad end towards the muzzle. Then place on the shim washer, and finally the Solo.

The shim washer acts as a bearing surface for the Solo to be tightened against.

Alternatively, a high temperature thread locking compound such as Loctite 272 may be used. If in doubt - consult a gunsmith.

For semi-automatic and automatic weapons, a special model with provision for a locking pin is available. Please enquire via our website.

The Solo need not be removed for cleaning.

Clean using commercial gun oils and powder solvents using a nylon brush if necessary. Avoid scraping which may damage the protective coating.

Protect with any light preservative gun oil.

[www.Vorpal-Arms.co.uk](http://www.Vorpal-Arms.co.uk)

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