

WR ADJUSTABLE CHEEK PIECE,

ITEM: The adjustable cheek piece is a wrap that fits over a rifle stock butt to allow adjustment so the head position of the firer can be better aligned to the rifle sighting system. The idea is to increase rifle ergonomics for simpler use.

DESCRIPTION: To increase shooter comfort and maximise rifle ergonomics, the rifle must fit the shooter. There are various points to measure, and one of them is the head height position when the rifle is mounted in a given position such the sights can be easily aligned with the eye and the target.



VARIANTS: Various rifles of different brands and models may be ergonomically improved with the fitting of an adjustable cheek piece. Consideration for proportional need of an adjustable cheek piece is the sighting system used, and the sight height in relation to the eye height of the firer after forming a solid cheek weld.

KNOW THE ITEM: This adjustable cheek piece gives the shooter flexibility to tailor best cheek weld when firing in different firing positions, such as standing, prone, sitting, kneeling and adjust the cheek piece accordingly for effectiveness and comfort. The front has 45mm and rear has 55mm of adjustment.

FITTING: General process for positioning, but refer to “suggestions” below before proceeding to drill.

1. Insert the bolt into the rifle, then pull all the way back so it is retained by the bolt stop.



2. Position the adjustable cheek piece sleeve over the butt stock cheek area.

Slide it forward until it is a 2-3 mm from the rear of the bolt.

Hold the sleeve in place, then attempt to completely remove the bolt, adjusting the sleeve position until the bolt can be removed without obstruction.

Where the cheek piece is, mark the stock in the top of the 4x sleeve bolt slots, approx 5mm below the very top of slot. This creates the position of the bolt holes for the sleeve.

3. Remove the sleeve and do a double check measurement of the marks to see they look correct and proportional.

4. If confident the bolt hole positions are correct, proceed to drill a small dia hole (eg. Dia 3mm) in all 4 points.

5. Place the sleeve back on the butt stock, same place where it was first marked out. Do the new drilled holes look correct?

If not, take corrective action to correct.

If correct, remove sleeve and drill out the holes to dia 6mm.

6. Bolt the sleeve into place.

Place the bolt head and nuts on sides appropriate to you being a LH or RH for the shooter (the general preference is the nuts go on the off side).

Done!



SUGGESTIONS: There are some fine fitting tweaks the serious shooter may wish to consider before fitting, to get best use out of the adjustable cheek piece, regarding optimal head positioning and excellent cheek weld. These may come at a cost of being finicky.

Before marking and drilling, go through step 1 and 2 above, then adopt various firing positions with the rifle in the shoulder, as you would during live fire. Is the cheek piece in the preferred position?

There is a chance, depending on butt length the cheek piece may need to go farther forward, which means the bolt can't be removed while the cheek piece is in place, or elevated. The shooter should play around with these options. There is also the possibility a fastidious shooter may drill multiple holes along the stock butt length axis, so the rifle can support a simple hunting type setup, and a more complex precise target setup. This adjustable cheek piece gives many options to the shooter.

USING: Adjusting up and down is simply a matter of undoing the 2 thumb nuts, then hand sliding the cheek sleeve up and down to the desired height.

Adjustments from dead bottom to max height can remain parallel to the mounting position, or the cheek area can be tilted to suit the personal need. When using the cheek piece on a rifle for Extreme Long Range needs, the cheek piece surface can be considerably tilted downwards at the front, thanks to a deeper rear slot, to counter the rifle pointing up so aggressively to make the distance.

If you have multiple standard set heights for different firearms, simply place a paint marker on the cheek piece to align to a mark on the butt stock, front and back (to avoid unwanted tilt) for quick referencing during adjustments. Per the above, it may sometimes be advisable to have a tilt in the cheek piece, from front to back or back to front. This is totally adjustable and can be tailored to your needs.

SERVICING & MAINTENANCE: The adjustable cheek piece and the surrounding area on the rifle should be kept clean along with the same process as generally cleaning the rifle.

SPARE PARTS: Contact WR via www.watersrifleman.com with any enquiries.

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