



# RPS International Inc.

Custom Precision Rifles & Shooting Accessories

## OPS - R3E2C Muzzle Brake



Single, large expansion chamber with forward baffle, traps and redirects muzzle gases to greatly reduce muzzle rise and blast. Dust printing and muzzle rise are all but eliminated. Stainless steel construction for superior resistance to powder corrosion. For all calibers center hole is .030" over bullet diameter. May be gunsmith enlarged to larger diameter. Available with .575"-40 tpi; allows installation on smaller diameter, slim-tapered barrels that require a shallow thread depth to maintain maximum bore to O.D. wall thickness.

### **Why OPS INC muzzle brake is so efficient:**

As the gases exit the muzzle they expand into a spherical pattern. The gases directly in front of the muzzle have an amplitude of approximately double that of the gases flowing 90 degrees to the side. The gases that strike the baffle are directed back to the front portion of the large ports. These gases decrease in amplitude after imparting some of their energy to the baffle. The gases that flow directly from the muzzle to the large ports have approximately the same energy level as the gases that have already struck the baffle. The two gases vector and the result of the combined flow is a direction almost 90 degrees to the axis of the rifle bore. This action eliminates a great deal of sound that would be directed back towards the shooter. The sound directly to the side of the muzzle brake ports is increased. In normal shooting activity an observer would not be in this area, so this increase is of no consequence.

304 stainless steel, polished finish. 2.6" (6.8cm) long. .866" (22mm) and .970" (2.5cm) diameter. Muzzle hole can be enlarged for other calibers.

