Schultz & Larsen
Denmark

The Barrels *at a Glance*

The story of Schultz & Larsen begins with their world wide reputation for accurate barrels. So what makes the barrels so much different and so much better performing?

Rifle barrels can be hammer forged, broach rifled, button rifled or the rifling can be cut. There are other methods, such as EDM (electrical discharge machining) and flow forming that are coming into use but the majority of barrels today are either button rifled or hammer forged.

The most expensive method is undoubtedly cut rifling. Each barrel will take around 1 ½ hours just to cut the grooves whilst hammer forging or button rifling takes only minutes to produce a finished barrel. The problem with these faster methods is the stress induced into the barrel during manufacture.

Cut rifling removes tiny amounts of material with each pass of the cutter and can be used with very hard barrel steel. Each groove is cut individually with multiple passes and the barrel does not suffer from stress or work hardening. The process is slow because so little material is removed with each pass and that is why most manufacturers choose one of the alternative methods.

Schultz & Larsen barrels are stress free, absolutely straight and with the bore exactly in the centre of the barrel. If the bore is in the centre, the stiffness of the barrel is the same in every direction. Straight, stress free barrels shoot better with less tendency for the group to wander when the barrel heats up.

At Schultz & Larsen, every barrel is individually lapped and a slight tightening of the bore towards the muzzle is formed. This process reduces copper fouling of the bore and makes the rifles less fussy on load. Schultz & Larsen barrels will shoot well with any load and with a wide variety of bullet weights.

Standard Profile

The perfect choice for all round use. Light weight with the famous Schultz & Larsen cut rifling. Accuracy guaranteed. Barrels for the UK market are screw cut M14x1 for sound moderator attachment but can also be supplied unthreaded if that is your preference.

Fluted Barrels

Available with a choice of straight or spiral fluting. Fluting reduces the weight of the barrel without reducing the stiffness of the barrel. Additionally, fluting provides a greater surface area for heat dissipation and because the bottom of the flute channel is closer to the bore, the heat reaches the surface more quickly further aiding cooling. Not all calibres are available from stock but may be to order.

Octagonal Barrels

A heavier barrel measuring 17mm across the flats at the muzzle. Popular with traditionalists, especially for the driven hunt. Available in standard or fluted profile. Not available in all calibres.

Length is measured from the face of the bolt.

Continental Profile

17mm Diameter at the muzzle with a length of 63cm. A barrel for long range work, the slightly increased diameter and length adding to the weight and stability.

Match Profile

Available in 17mm, 19mm, 25mm and 27mm. the 25mm and 27mm barrels being 74cm in length. Not all calibres available from stock but may be to order.

Barrel Options

Legacy:

Standard Profile	14mm, Length 53.5cm Screw cut ½”x20 UNF

Classic & Victory:

Standard Profile	16mm, length 54.5cm or 58.5cm. Screw Cut M14x1 also available without thread.
Continental Profile	17mm, length 63cm. Not screw cut but available to order.
Magnum Profile	16mm, length 63cm. Screw cut M14x1. Also available without thread.
Match Profile	17mm, 19mm, 25mm, 27mm. Length according to calibre and profile. Not screw cut
Octagonal	17mm across flats at the muzzle. Length 58.5cm. Not screw cut.

All Schultz & Larsen barrels are quickly and easily removable. This allows for rapid change of calibre or profile. All barrels in the standard calibre group use the same bolt so you need only change the barrel.

If you are changing to a Magnum calibre you also need to change the bolt. All Classic & Victory rifles accept Magnum calibres on the same action with only the requirement to change the bolt. On Schultz & Larsen rifles, the three lug bolt locks directly into the barrel so that none of the pressure on firing transmits to the action body.