

Custom Rifle & Shotgun Info & Questionnaire

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Having your own classic custom rifle made is an exciting endeavor! Top quality craftsmanship is one of the major differences between a custom made rifle and a mass produced one. Another is that the stock is made especially for your personal dimensions; that means it fits you. Gunfitting is the practice of analyzing and measuring an individual in order to produce the best handling rifle or shotgun for that individual. There are a number of terms specific to gunfitting and stockmaking that will be explained in this article. Once we define them, we will describe how to measure them, and will ask you to provide a number of personal measurements to be applied to your stock.

STOCKMAKING TERMS:

Butt:	The portion of the stock behind the grip
Sole:	The back of the butt – where the recoil pad or buttplate mount.
Comb:	The top of the Butt
Heel:	The end point of the comb, where the comb meets the sole, topmost point of the butt sole.
Nose of the Comb:	The forward point of the comb.
Comb Line:	Nose of the comb, Monte Carlo (if included), to Heel.
Toe:	Bottommost point of the butt sole.
Grip/wrist:	from rearmost point of action to rearmost point of grip(cap).
LOP (Length Of Pull):	Furthest point of the front plane of the trigger to the center of the butt sole.
Length of Grip:	Furthest point of the front plane of the trigger to the forward most point of the grip(cap).
Pitch:	Number of degrees is in towards or away from shooter's chest. Helps in natural sight alignment & aids directing recoil. Helps compensate for chest size (Barrel-chested body type benefits from more pitch.)
Cast Off/On:	Center line of butt sole in relation to centerline of action. Ex: ¼" Cast Off will move the vertical centerline of the butt sole ¼" to the shooter's right of the centerline of action, to center butt sole better in shooter's shoulder pocket. Cast On moves to the shooter's left. Broader shouldered or large chested body types benefit from more cast off; helps in natural sight alignment & recoil control.
Drop:	Distance from datum line (Center of Bore, top line of sight rib, top line of stock (assumes barrel is inletted to half-depth making top line of stock parallel to center of bore)) to heel (Also called Drop at Heel).
Drop at Nose:	Distance from datum line to nose of the comb.
Drop at Cheek/Drop at Monte Carlo:	Distance from datum line to top of Monte Carlo or where cheek is placed if no Monte Carlo.

Will you be shooting primarily in cold weather or hot weather?

Cold weather Warm weather

Primarily Scoped or Iron-Sighted Shooting?

Primarily scoped Iron-Sighted Shooting

Right handed shooter or left handed shooter?

Right handed shooter Left handed shooter

Dominant eye?

Right eye Left eye

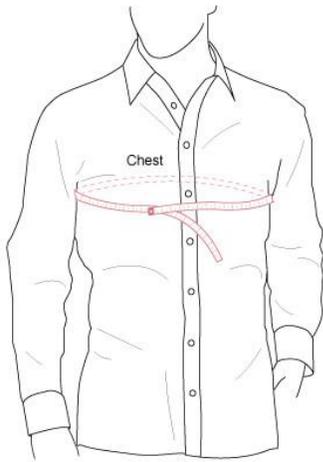
Height and weight?

Height Weight

MEASUREMENTS

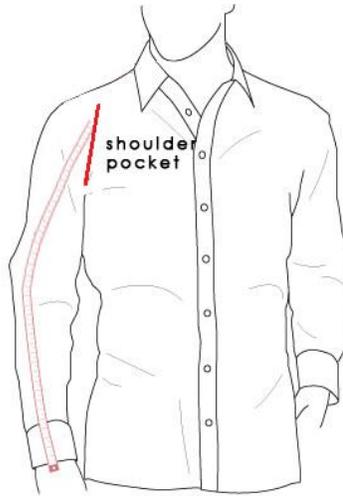
Barrel-chested?

Bust Measure around broadest portion of chest: _____
Women: flat chested or well endowed? _____



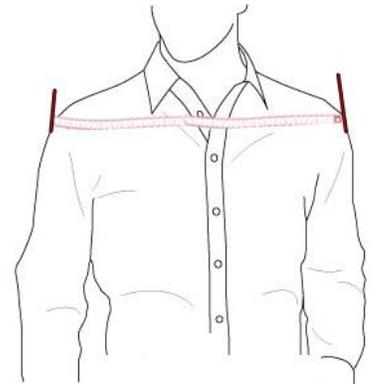
Longer (than average) Limbed?

Measure reach – arm extended straight forward, measure from shoulder pocket to wrist of shooting hand: _____



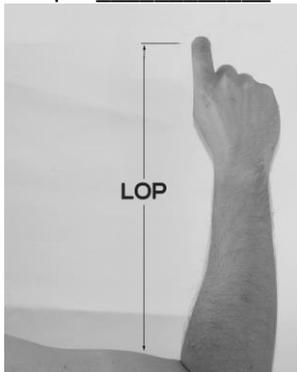
Broad shouldered?

Shoulder to shoulder measurement: _____



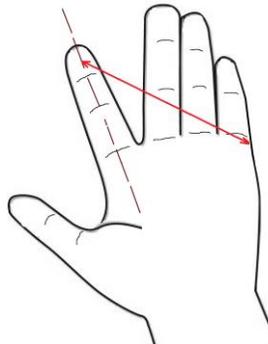
Length of Pull?

Crook trigger finger like going to press trigger, hold forearm with 90 degree angle to upper arm. Measure from trigger finger pad to bottom of bicep: _____



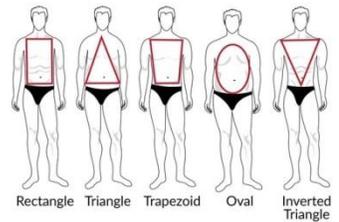
Length of Grip?

Measure from center of trigger finger pad to outside edge of pinky finger: _____

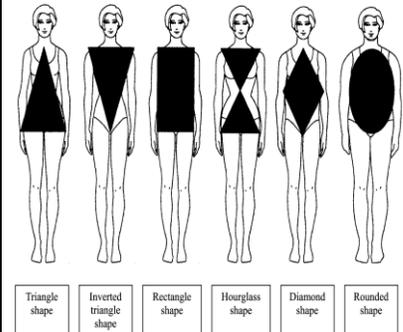


Muscularity/Physique?

Men:



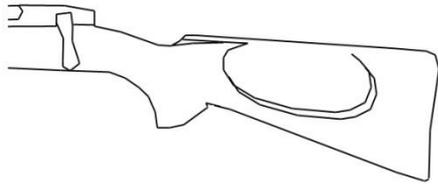
Women:



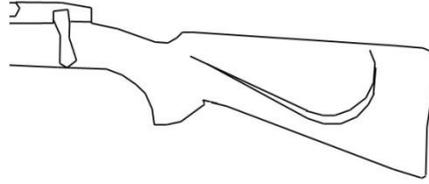
AESTHETICS

1. Cheekpiece:

English/European/pancake/kidney Cheekpiece

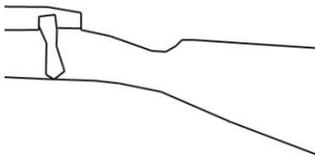


American/Asymmetrical Cheekpiece

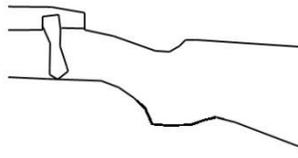


2. Grip:

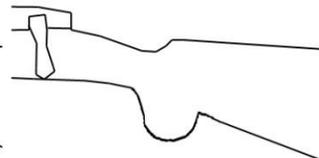
Straight Grip



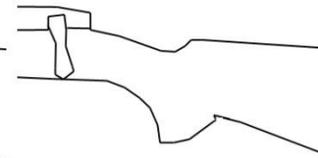
Prince Of Wales Grip



Round Knob Grip



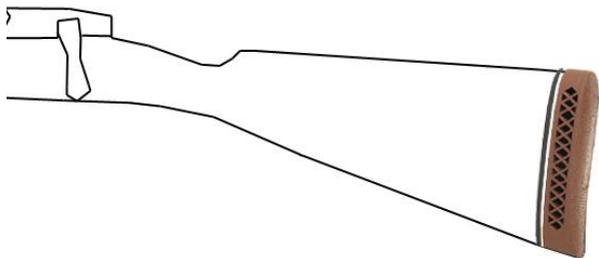
Pistol Grip



3. Recoil Pad:

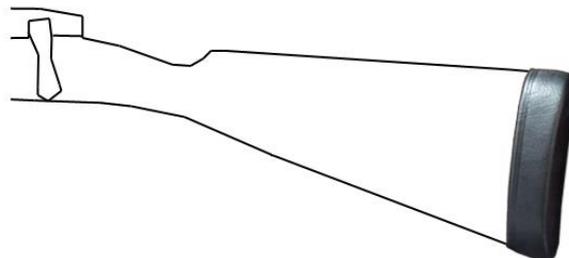
Synthetic Recoil Pad

Very desirable on heavily recoiling rifles and larger bore shotguns, and can look very nice.



Leather Recoil Pad

Recoil pad with the base inlet for fine pigskin or lambskin stretched over the pad. A higher end option with a classic aesthetic while keeping the recoil dampening effect of a modern recoil pad.



4. Buttplate:

Checkered



Heel and Toe Plates



Skeletonized Buttplate



Trapdoor



Custom



5. Cap:

Grip Cap



Skeletonized Grip Cap



Trapdoor Grip Cap



6. Swivels:

Sling Swivels



Pedestalled Swivels



Banded Sling Swivel



7. Front Ramp:

Banded Front Ramp



Soldered Front Ramp



Drill & Tap



8. Rear Sight:

Express/Island Rear Sight

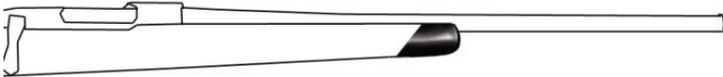


Quarter Rib Rear Sight

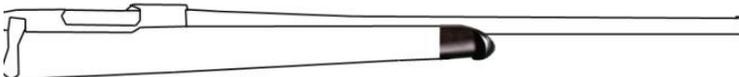


9. Forend Tip:

English /American Forend Tip



Schnabel (German / Continental)



No Forend Tip

