

Ken's Police Training Notes

700P minute of angle out to 500 yards
700 LPR min of angle out to 300 yards
A 5 shot group has to be a minute from angle

Minute of angle is approximately 1.2 (almost 1 ¼ in) inches at 100 yards. This goes up in graduations. Our rifles shoot that.
(200 yards is not 2.4 inches.)

M-24 gives minute of angle at 1000 meters

On average less lethal ammo (bean bags flash bang) uses straight cylinder bore barrel improved cylinder or open choke. The tightest is 7/18"

14 inch barrels come standard with modified choke so they are not good for less lethal rounds.

The and fore ends are short so that they can fit in the racks

These firearms use ghost ring sites (the rear site is mounted to receiver

Track lock ghost ring sites (or rear aperture) are the latest. They have Tridium (radioactive type crystal) inserts

1187 P is gas operated non pressure compensated
has a standard 18 in barrel
comes with a magazine extender

14 in barrel guns do not come with magazine tube extender like the 18 in. do

All police guns will cycle 3 ¼ drams 1 ¼ gr shot

14 in guns only shoot standard magazine ammo. Some tactical loads won't cycle in 14 in gun

All 1187 P's are gas operated. Everyone else uses recoil based or inertia for cycling.
The advantage of gas is less recoil (can get next shot off sooner)
The disadvantages are: finicky on loads and needs more maintenance in gas orifice holes
if orifices are maintained gun will last as long as 870.

1100, 1187, and 870 all use same stocks-fore ends never interchange-

except

1100 and 1187 synthetic (synthetic only!!!) stock and fore ends are interchangeable.

Buckshot and slugs are mainly what police use.

Tactical buckshot has better patterning capability.

Reduce recoil shells reduce recoil.

Our 8 pellet buck is the best (it shoots tight).

Model 700P comes in 223,308,7mm,300 win mag, & 300 Ultra Mag calibers.

Military designations for 700 are:

223=5.56 nato

308=7.62 nato

In both the 700P and the 700P the ultimate function is the same-the design is different.

The 700P has a 26 in barrel, heavy Parkerized barrel, HS Precision stock w/ full length aluminum bedding block system. Stock uses fiberglass w/ Kevlar reinforced fiberglass. Another term for Kevlar is aramid.

Varmint guns doesn't use full length bedding block it uses partial bedding block. (The full length goes down into the stock)

By going into the stock it makes for the stiffer block, stiffer action, the more accurate the gun.

Consistency leads to accuracy

We free float the barrel. Muzzle doesn't touch the stock from muzzle to end (doesn't touch the receiver). The key to this working is the bedding block-it makes sure that the action doesn't move. The heavy barrel reduces amount of barrel whip that gun has-thicker metal better for heat-less expansion can fore more rounds consistently.

With the LTR barrel is 1 inches shorter so it has asymmetrical fluting (Fred Martin designed this). Flutes make bullet exit barrel consistently-they don't help w/barrel whip. Consistency leads to accuracy!

M-24 uses a different type rifling than conventional rifle.

Angle on lands on a standard production rifle is 90 degrees. The M-24 has 5R rifling. 5R doesn't deform bullet as much, bullet spins on center axis better, and there is less friction on the bullet which makes for higher muzzle velocity. This makes for longer barrel life.

Average barrel life is:

M-24	10,000 rounds
Production gun	5,000 rounds
Mag gun	2,500 rounds

Custom Shop uses button rifling-the button is the tool that they use.

There are two types:

Push buttoning

Pull buttoning

Other guns are hammer forged.

Everyone has an opinion on which is better

Ammo

Police generally use golden saber bullets.

Most cartridges rely on liquid type tissue for expansion (hydro dynamic expansion).

Golden sabre relies on both mechanical & hydro dynamic expansion. This means that it can shoot (will expand) when shot into a soft or a hard surface. Can pass through glass hit soft flesh after first impact and still expand.

Most police use this because they need to stop not just maim.

The better that a bullet expands and the faster that it expands the more effect that it has on the target.

The way that a hollow point bullet expands is that it opens up & drags the shape of the hollow point. It is designed to make the bullet expand if it ever hits a hard surface.

The 1 shot stop ratio is about 87% with a .45 caliber.

Police bullets also have a driving band (the thickness of grooves opposed to the thickness of lands. Our driving band is made to hit the open surface between the lands.

O geige is made t touch lands. Ours traps gas evenly behind bullet. It has higher velocity and makes for better accuracy.