

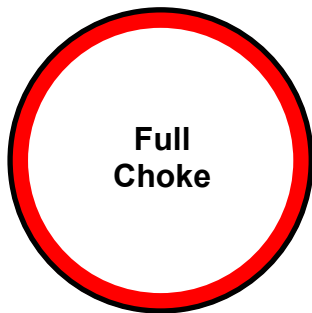
CHOKES

The choke is the constriction at the muzzle end of the shotgun barrel and is used to control pattern density and diameter over a given distances. As a rule of thumb the tighter the constriction or choke, the smaller and tighter the pattern. Shotguns come in either fixed or multi-choke format:

- **Fixed chokes are machined on manufacture and any change requires specialist attention.**
- **Multi-choke are threaded inserts and can be changed as required giving the shooter variety of options.**

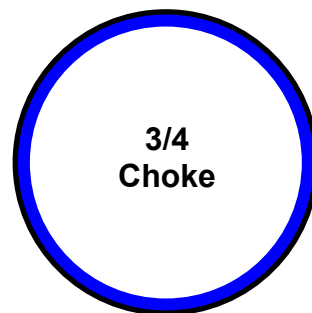
Choke Size and Data

Pattern percentage taken in a 30 inch (760 mm) circle at 40 yards (36.576 meters)



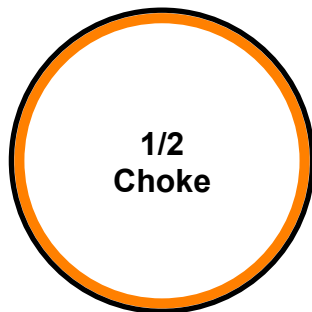
**Full
Choke**

Barrel Constriction: 40/1000 inch (0.04 millimetre)
Pattern Percentage: 70%
Main Discipline Trap



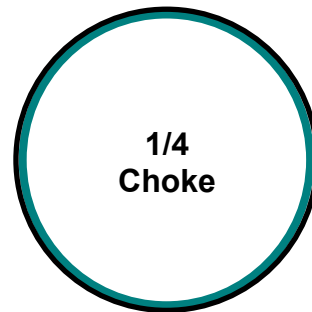
**3/4
Choke**

Barrel Constriction: 30/1000 inch (0.03 millimetre)
Pattern Percentage: 65%
Main Discipline Trap



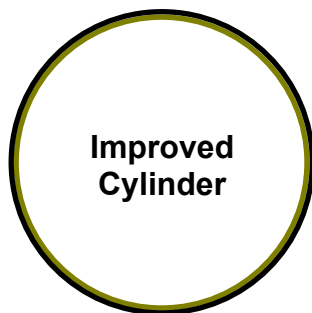
**1/2
Choke**

Barrel Constriction: 20/1000 inch (0.02 millimetre)
Pattern Percentage: 60%
Main Discipline Sporting



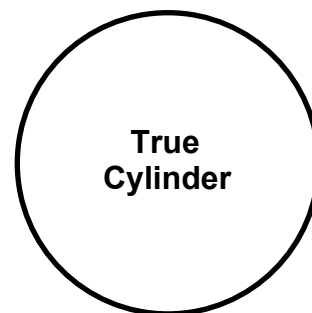
**1/4
Choke**

Barrel Constriction: 10/1000 inch (0.01 millimetre)
Pattern Percentage: 55%
Main Discipline Sporting



**Improved
Cylinder**

Barrel Constriction: 5/1000 inch (0.005 millimetre)
Pattern Percentage: 50%
Main Discipline Skeet



**True
Cylinder**

Barrel Constriction: Zero inch (Zero millimetre)
Pattern Percentage: 40%
Main Discipline Skeet

The Clay Target

Clay targets are generally made from a mixture of approximately 33% coal tar pitch to 66% calcium carbonate (chalk), this mixture ensures a strong but brittle result. Computer controlled techniques are employed to ensure consistency during manufacture.

On the impact of the shot the target shatters and if a perfect centre of patten shot is executed it turns into a ball of dust, this satisfying sight is known as a "smoked target".

For the target to be considered a hit a visible piece of the target must be seen to break away, however small.

The Standard



Diameter: 4 3/8 inch (110 mm)
Height: 1 inch (26 mm)
Weight 3.70 oz (105 grams)
The most widely use clay target, suitable for all disciplines & comes in a variety of colours.

The Midi



Diameter: 3 4/8 inch (90 mm)
Height: 1 inch (26 mm)
Weight 2.61 oz (74 grams)
A similar, but smaller profile to the Standard.
Use in Sporting to simulate partridge & grouse.

The Mini



Diameter: 2 3/8 inch (60 mm)
Height: 7/8 inch (21 mm)
Weight 1.23 oz (35 grams)
Known lovingly as *the pill*, similar profile to the Standard & Midi. Used in Sporting to simulate Quail.

The Rabbit



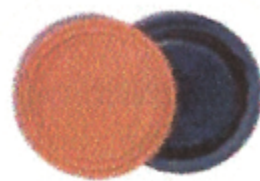
Diameter: 4 2/8 inch (107 mm)
Height: 5/8 inch (15 mm)
Weight 4.76 (135 grams)
Rolled along the ground in Sporting layouts to simulate its namesake. Suitable only for manual traps

The Auto Rabbit



Diameter: 4 3/8 inch (110 mm)
Height: 5/8 inch (16 mm)
Weight 4.76 oz 135 grams)
Designed for both automatic & manual traps, a slightly more robust target allowing presentation versatility.

The Battue



Diameter: 4 2/8 inch (107 mm)
Height: 4/8 inch (9 mm)
Weight 2.68 oz (76 grams)
The profile allows the target to fly fast and drop rapidly. Used in Sporting to simulate pheasant.