

Barrel Gauge

The barrel bore gauge is a high precision contact measurement system. Sprung anvils in a measuring head expand out to the barrel diameter. Their position is transferred to the probe holder by special extension rods. The probe holder converts the mechanical position to an electrical signal and, in the case of the indicator grip type, displays it.

The system measures to high precision by comparison against setting rings at a similar diameter to the bore being measured.

The extension rods are chosen to suit the barrel(s) being inspected.

For a simple bore gauge, two anvils are normally fitted in the measuring head to measure the diameter in a simple manner. However, specially designed heads are also available for other measurements.

For a groove measurement gauge, the measuring head is fitted with locating pins to follow the rifling as well as smaller anvils which are able to "drop into" the grooves and measure the depth. In addition to the Indicator grip style, a separate digital display system can be specified. (Sylvac D80 or D100).

Multiple measurements are normally made in barrels at various depths and compared against acceptable wear tolerance limits.



OPTIONAL GROOVES & LAND

DIGITAL READ OUT

HIGH PRECISION

PC INTERFACE

SABRE
Ballistics