The EDG® Ortho is the first and only single-use Electronic Depth Gauge with superior measurement capabilities, optimized hook design and easy-to-read digital display that aims to improve accuracy, precision, and speed of these measurements while eliminating the risk of infection associated with reusable devices in orthopedic surgical procedures.
A New Standard
EDG® ORTHO

Minimize risk of bioburden contamination
OPTIMIZED HOOK DESIGN
EASY TO READ DIGITAL DISPLAY
ABILITY TO HOLD MEASUREMENT
SINGLE USE

“...accurate selection of appropriate screw lengths will reduce risks dramatically and allow the implant to perform as it was designed.”

EDG® Ortho is More Accurate and Precise

EDG Device

Rating

10mm 30mm 40mm
Average Measured Thickness [mm]

Gauge Block Actual Thickness [mm]

Analog Device EDG Device

Surgeons prefer the EDG® Ortho over several factors

Give Yourself The EDGe

Current Problem
STANDARD ORTHOPEDIC DEPTH GAUGE

Poor Accuracy
- Inconsistent analog measurement
- Insufficient hook grip
Over $200 million in wasted implants per year in the US

Infection Risk
- Bioburden contamination

$8.4 billion per year in added healthcare costs to orthopedic and spine procedures

Actual microscopic images from inside orthopedic depth gauge

“Several design features exist in orthopedic depth gauges that make effective cleaning difficult, if not impossible…and sterilization is not effective on an insufficiently cleaned surgical instrument.”

Clinical Implications and Potential Costs
- Non-unions ~10% of cases
- Implant related complications ~8% of cases
- Unnecessary x-ray exposure and cost

Average Cost per Use of Standard Orthopedic Depth Gauge
> $400 per case

Give Yourself The EDGe
EDGe Surgical is improving screw-hole measurement within orthopedic surgeries to bring better outcomes at lower costs to patients, surgeons, and hospitals.

Quick and accurate measurement of bicortical distance is important to selecting the appropriate screw length for bone fracture plating. Reusable analog measurement tools represent an antiquated holdover in the constantly evolving field of orthopedic surgery. EDGe Surgical's Electronic Depth Gauge (EDG®) with superior hook design is a single-use, ergonomically-designed device with a digital read-out to improve accuracy, precision, and speed of these measurements as compared to the current standard analog measuring tool, while decreasing the risk of infection associated with reusable devices.

REFERENCES

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5. EDGe Surgical analysis, including (but not limiting to) the following publications:
7. EDGe Surgical survey of randomly selected surgeons at AAOS