

Mechanical Broken Tool Detection



Caring Beyond Our Products

WK2

The most innovative tool monitoring System yet



MIDDEX
ELECTRONIC

Absolutely Leak-Tight through Triple Sealing System

The WK2 is in a class by itself, a system of excellence. With over 25 years of experience and with more than 50,000 units installed, Middex is the most experienced and the most successful manufacturer worldwide.



Consequent development and continuing adjustment to ever changing conditions ensure Middex the technical lead.

The WK2 proves in great detail the technical advantage of Middex.

- **Extremely fast cycle time through torque and speed controlled drive.**
- **Constant cycle times independent of needle length.**
- **Needle length up to 200mm (8").**
- **Check tool diameter from 0.3mm (0.012") independent of scanning angle and needle length.**
- **Scanning angle programmable up to 270°.**
- **Object or free space scanning selectable.**
- **Teachable system using teach-in procedure.**
- **Object recognized only in the learned window.**
- **Patented shavings deflector between probe assembly and sensor body (protects seals).**
- **Special steel sensor housing is extremely sturdy and abrasion proof.**
- **Triple sealed with special seals against oil, water, and emulsions.**
- **Short and over voltage protected 24V out puts (no relays, no wear).**
- **Sensor and controller conform to EMI regulations.**
- **Sensor is IP68 protected (equals to 20m (65') of water depth).**
- **Electro magnetic interference protection is well beyond current standard requirements.**
- **Fast cycle times, 150ms/30°, 180ms/60°, 220ms/90°, 240ms/120°, 260ms/150°.**