

RAIL INSPECTION: PROBES AND TOOLS

Shear and longitudinal waves

TRIPLE MANUAL - TRIPLE STICK



“TRIPLE MANUAL” PROBE

The purpose of this probe is to ensure monitoring, evolution and characterization of flaws in manual mode. The probe is made up of 3 independent, commutable elements which can be switched with a 3 way-switch:

- Shear waves 38°, frequency 4 MHz
- Shear waves 68°, frequency 4 MHz
- Longitudinal waves 0°, frequency 4 MHz

Ref:

- EKT M



“TRIPLE STICK” PROBE

A probe composed of three ceramic piezoelectric elements is used for the detection of transverse cracks and rail head detachment. The three piezoelectric elements are balanced in sensitivity to allow simplified calibration (amplification and sound circuit). This new generation “triple stick” transducer is equipped with an anti-wear pad in the front and back sides of the wedge. Triple stick probe is used with EKOSCAN inspection stick for a quick and comfortable inspection.

- Shear waves 68°, frequency 2 MHz
- Longitudinal wave 0°, frequency 4 MHz
- One unique connector for the 3 crystals

Ref:

- EKTC

