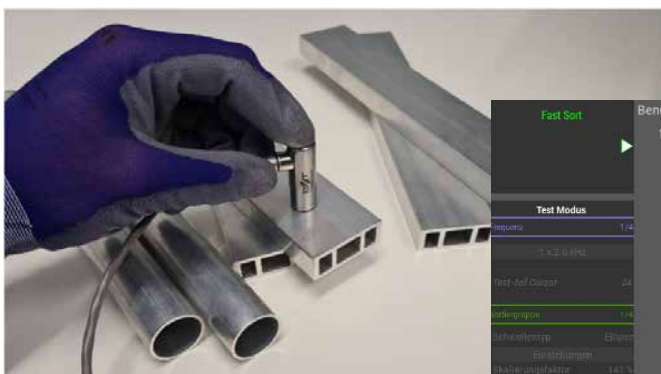


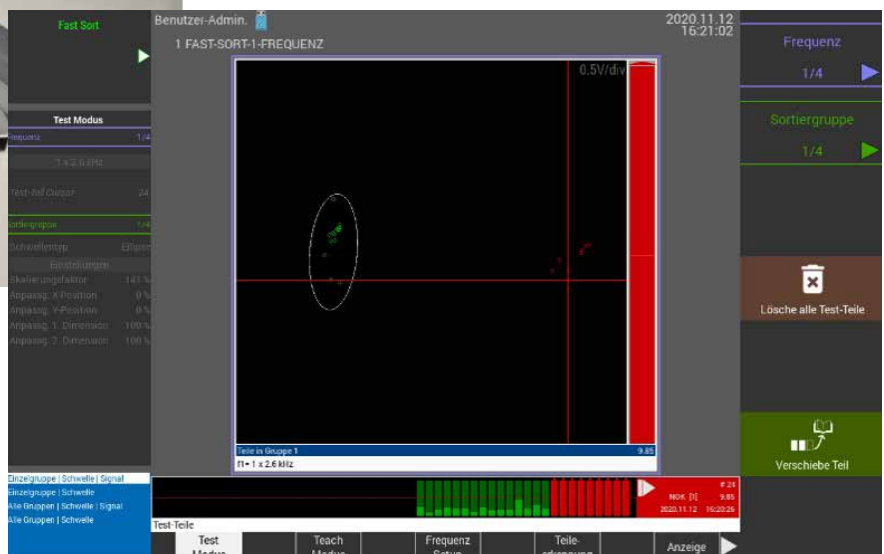
## Sorting test on aluminium

### Material sorting after heat treatment – artificial ageing from T4 to T6 of aluminium castings, extruded/cast profiles and plates

- Area of application: semi-finished production and further processing of profiles, pipes, fittings, wires, sheets, castings, etc. made of aluminum.
- Industries: Automotive, semi-finished products, mechanical and plant engineering, aviation
- Probe: Type PLA-11
- Cable: EK-x-057 (ELOTTEST PL600); EK-x-HF/2 (ELOTTEST M2, M3, IS3, B300)
- Test instrument: Elotest PL600, M2, M3, IS3, B300
- Channels: 1
- License: Basic (ELOTTEST PL600)
- Configuration: Single frequency, Fast-Sort (ELOTTEST PL600)
- Parameter: 2.6 kHz; fundamental; static
- Test distance: here contact (possible up to 1 mm air gap)
- Design: Manual, partially or fully automated
- Description: The ELOTTEST PL600 eddy current tester can be used for fast and uncomplicated evaluation of the ageing condition of aluminum components. With the aid of an absolute probe and the FastSort evaluation software, it is possible to work both by direct contact with the test part and with a constant test distance. Manual testing is possible without FastSort software using the Elotest M2, M3 or B300 tester as well as integration into a fully automated production line (ELOTTEST PL600, IS3) with communication via all common fieldbus modules (ELOTTEST PL600). Testing is clean, fast and wear-free - an ideal addition to production to ensure consistently high quality.
- Customer benefit: Standardized components; short delivery time; fast and effective 100% quality control



Simple sorting test with Absolutprobe PLA 32-11



FastSort evaluation with ELOTTEST PL600

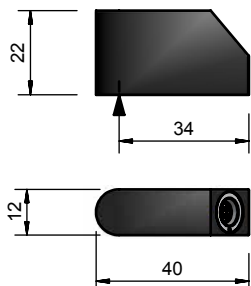
## Sorting test on aluminium

Material sorting after heat treatment – artificial ageing from T4 to T6 of aluminium castings, extruded/cast profiles and plates



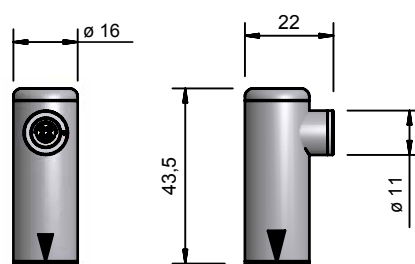
Suitable absolute probes PLA 3-11, PLA 32-11, PLA 33-11

Absolutprobe PLA 3-11  
 Artikelnummer: ASP01400



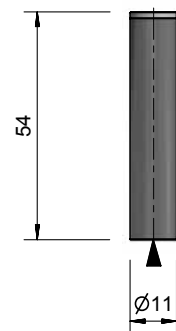
Fischer 4-pol. (f) Größe / Size 102  
 Gehäuse / Housing: Plastic

Absolutprobe PLA 32-11  
 Artikelnummer: ASP01510



4-pol. Fischer (f) Größe / Size 102  
 Gehäuse/Housing: 1.4305

Absolutprobe PLA 33-11  
 Artikelnummer: ASP01410



Gehäuse / Housing: Plastic

## Testinstrument ELOTTEST PL600

Application: Eddy current tester for use during production.  
 Fastest material sorting due to 100 kHz test signal bandwidth.  
 Extremely low noise and stable due to fully digital signal processing.  
 Extremely flexible for up to 256 test channels. Test frequency range: 10 Hz - 12 MHz

