

Special probe Type «D» with socket for hardness tester TQ TKM-359CE



Special probe Type "D" with socket is a replaceable probe for Leeb Hardness tester TQ TKM-359CE. The probe with socket is purposed to solve main problems of hardness control of metals and alloys. Probe Type "D" with socket allows the user to replace the cable if necessary.

The Probe Type «D» is used for hardness testing:



- All basic types of metals and alloys without additional calibrations (structural, tool, corrosion-proof, heat-proof, non-corrosive steels and alloys as well as alloys of nonferrous metals, castiron, aluminium, bronze, brass);
- Items with surface hardening and high frequency current hardening;
- Items of complicated configuration;
- Heavy and big items with rough surface.

Advantages of Leeb probe

- Hardness measurement in hard-to-reach areas.
- The spatial position of the probe does not affect the measurement result.
- The robust housing is not subject to mechanical stress.
- Long service life.

Special probe Type «D» with socket for hardness tester TQ TKM-359CE

Probes characteristics

| Photo | Probe Type | Weight/thickness/ surface roughness of the article under check | Length/ Diameter | Application |
|-----------------------------------------------------------------------------------|------------|----------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------|
|  | «D» | 3 kg/6 mm/Ra 3,2 | 138/21 mm | Solving of main hardness testing tasks with surface roughness less than 3.2 Ra |
| | «E» | 3 kg/6 mm/Ra 3,2 | 138/21 mm | Probe with polycrystalline indenter made of cubic boron nitride to test materials with high hardness |
|  | «G» | 6 kg/55 mm/Ra 7,6 | 200/29 mm | Hardness testing of high structure inhomogeneity items with surface roughness more than 7.2 Ra |


Special probe Type «D» with socket is designed to solving of main hardness testing tasks of metal products with surface roughness less than 3.2 Ra.

Requirements to controlled item:

- Items heavier than 3 kg and thicker than 6 mm need no additional preparation;
- Items with a thickness of less than 6 mm should be fixed in a vice clamp or on a support plate by fixing paste.

ATTENTION! Probe should be adjusted to the electronic unit by the manufacturer.

Technical specifications

| Photo | Probe Type | Length/Diameter | Weight | Application |
|-----------------------------------------------------------------------------------|-----------------|-----------------|--------|--------------------------------------------------------------------------------|
|  | «D» with socket | 138/21 mm | 0,3 kg | Solving of main hardness testing tasks with surface roughness less than 3.2 Ra |

Delivery set

Standard probe Type «D» – 1 piece
Connection cable – 1 piece