

Special probe Type «E» for hardness tester TQ TKM-359CE



Special probe Type «E» is a replaceable probe for Leeb Hardness tester TQ TKM-359CE.

Probe with indenter made of polycrystalline of boron nitride intended for control of materials with high hardness.

The probe Type «E» 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.

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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


Exploitation

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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.
- Roughness of controlled surface providing best measurement accuracy is 3.2 RA.

Technical specifications

Photo	Probe Type	Length/Diameter	Weight	Application
	«E»	138/21 mm	0,3 kg	Probe with indenter made of polycrystalline of boron nitride intended for control of materials with high hardness

Delivery set

Special probe Type «E» – 1 piece

ATTENTION! There is a built-in Lemo plug-in in the probe. Connection cable is sold separately.