170HBW2,5/62,5 Brinell Hardness Reference Material

Item number: 63ETB303

Images

Description

Hardness reference materials in quality control:
The boost for your process safety! The daily verification, performed by the user, is described in the according hardness testing standards and significantly contributes to quality management processes.
In the daily verification process, all parameters of the hardness test system that build up to the hardness value, are examined by indentations on the hardness reference material.

This periodical inspection of the machine by means of hardness reference materials should be carried out immediately before the daily start of the test schedule.
An according documentation enhances the process safety, as value shifts due to damage or malfunction can be detected easily. In addition, the repeatability of results of the hardness testing machine can also be checked with the hardness reference materials.

Mitutoyo offers a comprehensive range of hardness reference materials (hardness test blocks) in different materials with hardness levels ranging from **80** to **650HBW** to suit your quality management procedure perfectly.

The tolerance for the nominal value of the hardness testblock is **± 25HBW**.

Mitutoyo reference materials:
High-end quality Made in Germany - Independent DAkkS calibration according to **DIN EN ISO 6506** and/or **ASTM E10** in an accredited laboratory Large square or rectangular surface with large space advantage over triangular or round test blocks Short delivery time MPE "Maximum Permissible Error" of the hardness testing system engraved (does apply for carbide materials) – all relevant information at a glance.

A range of additional services can be ordered:

- Up to three different scales on one reference material (Does not apply for Brinell materials)
- A lasered grid on the surface for accurate indentation spacing
- Alternative **ASTM** accredited calibration.
- Double calibration according to **ISO** and **ASTM** standards
- A tighter tolerance of ± 15HBW for the nominal value
- Compare the surface sizes for the evaluation of the price - performance ratio.

Please contact us if you do not find what you are looking for.

Features

Description:	Optional availability: ▪ calibration according to ASTM E10 ▪ lasered grid for accurate indentation spacing

Method:	Brinell
Material:	aluminium
Hardness Value:	170
Scale 1:	HBW2,5/62,5
Tolerance of nominal value:	±25HBW
Indenter:	Ball indenter
Ball Diameter mm:	2.5
Standard:	ISO 6506-3
Test Force N:	612.9
Test Force kgf:	62.5
Force area ratio:	10
Accreditation body:	DAkkS
Accreditation standard:	ISO 17025
Dimension:	60x60x16mm
Surface:	3.600 mm^2
Net weight:	160 g
Gross weight:	270 g
Product line:	▪ HR-530 ▪ HR-610 ▪ HR-620