

HP



## Mechanical Hardness Tester



Round shaped device with anti-glare scale.

PRODUCT INFORMATION

Bareiss has built the evergreen of hardness testers in a nearly unchanged design since 1954. The HP is still as modern and precise as it was 50 years ago. Having sold more than 100 000 units all around the world, it is the most frequently used manual hardness tester.

The entire chassis of HP is made of aluminum which provides light weight and durability. Every unit of HP is carefully assembled and calibrated by Bareiss technicians. To avoid indenter traveling with friction, we adopt the technique by combining different sizes of balls in the bearing to help smooth the indenter traveling. Bareiss HP Series is available in different Shore and non-Shore scales and with the possibility of customized presser foot to suit different requirements.

# Product Information

## Testing Methods

Shore A, A0/E, B, 0, C, D, D0, 00, 000, Bareiss Variant C (Asker C)


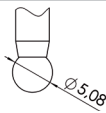

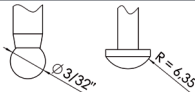
## Standards

DIN ISO 7619, DIN EN ISO 868, NF T 51-174, ASTM D 2240, BS 903 Part. A 26

## Features Benefits

- **Aluminum chassis** Suitable to be used in the field due to its light weight and durable chassis
- **Use of ball bearings** Reduce friction during the travel of indenter to achieve the best measuring results
- **Accuracy** Achieving 0.5 unit of Shore compared with the allowable tolerance 1.0 unit of Shore prescribed by the standards.
- **Wide model range** Available in different Shore and non-Shore scales.

We offer control rings for checking the measuring distance, rubber test blocks, Dakks/DKD-Calibration Certificates as well as Manufacturer Certificates as accessories. HP Series can be easily installed on a BS 61 II test stand to provide ease of use and stable measurements.

| Method                | Materials  | Standards  | Min. thickness | Indenter shape  |
|-----------------------|--|--|----------------|---|
| Shore A               | soft rubber, elastomers, natural rubber products, neoprene, casting resin, polyester, soft PVC, leather, etc ...                                 | DIN EN ISO 868   | 4              |  |
|                       |  | DIN ISO 7619, ASTM D 2240, NFT 51-174, BS903 Part. A 26            | 6              |   |
| Asker C               | see Shore A  | SRIS 0101, ABNT NBR 14455  | 6              |  |
| Shore D               | hard rubber, hard plastics, acrylic glass, polystyrene, rigid thermoplastics, Resopal, pressure rollers, Vinyl plates, cellulose-Acetate, etc... | DIN EN ISO 868   | 4              |  |
|                       |  | DIN ISO 7619, DIN 53505, ASTM D 2240, NFT 51-174, BS903 Part. A 26 | 6              |   |
| Shore 00<br>Shore 000 | sponge- and foam rubber, cellular rubber, silicone   | ASTM D 2240  | 6              |  |