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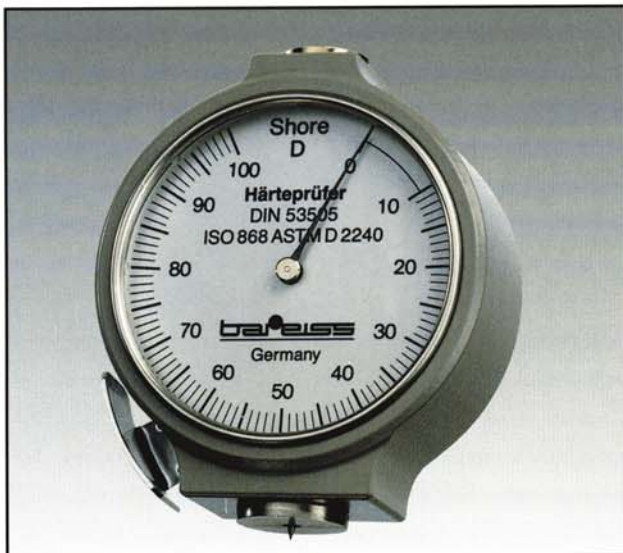
Hardness Test according to Shore



baueiss[®]



HARDNESS TEST HP-AS



HARDNESS TESTER HP-D



Hardness tester HP-AS with weight according to DIN in the box

... offers a valuable and reliable partnership to industrial and research companies, by a consequent development in the special field of absolutely precise testing instruments for hardness determination.

Qualitatively high-quality products require qualitatively high-quality testing instruments.

We build exact hardness testers acc. to Shore, which are simple in handling:

- for the variable application as portable instruments
- for the stationary application in connection with test stands, and particularly high-quality test systems with numerous expandabilities.

All instruments fulfill the conditions of the specified standards.

All analogue HARDNESS TESTERS acc. to Shore have got a round, clearly arranged and glare-free scale. The dial graduation is between 0-100 Shore, divided into 100 units. The simple, handy hardness testers are particularly characterised by an exact reading of the measured value.

This precise reading of the measured value is the result of a precise manufacturing of each individual equipment with selected parts and individual assembly.

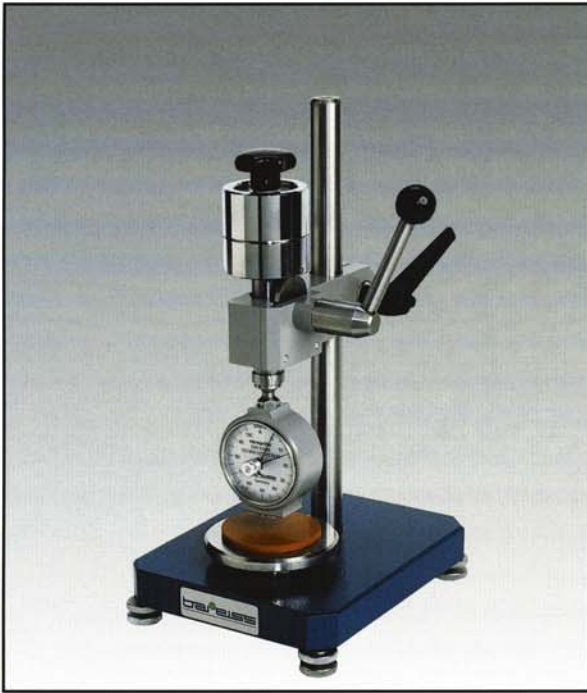
When desired, all analogue hardness testers can be equipped with a trailing pointer. This device facilitates the reading of the highest measured value and allows the determination of the flow characteristics of the material after a certain period of time.

Our extensive program covers the hardness range of the most different materials. Our HP-A and HP-D are used for standard hardness tests acc. to DIN 53505, EN ISO 868 and ASTM D 2240.

Our HP-B, HP-O, HP-C, HP-DO, HP-OO and HP-OOO are used for standard hardness tests acc. to ASTM D 2240.

The technical data on the back of the folder give exact explanations in regard with the application of the different testing instruments acc. to Shore.

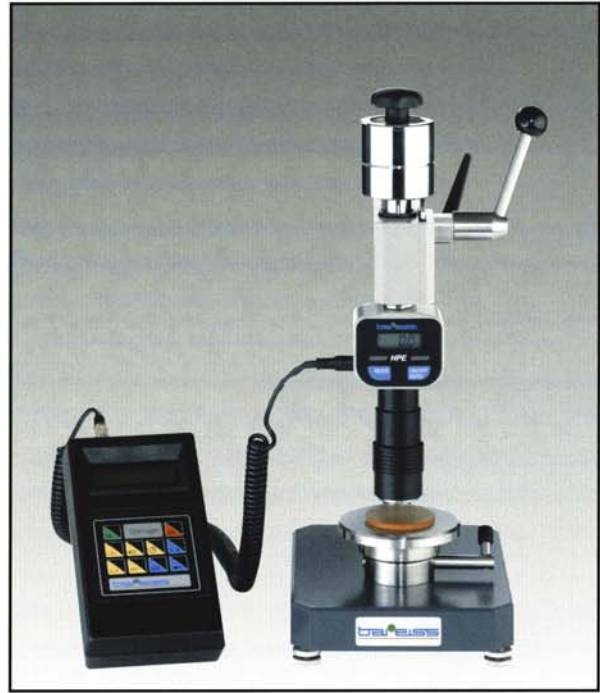
The BAREISS-HARDNESS TESTER acc. to Shore A with screw onable weight according to DIN 53505 guarantees a constant contact pressure. The complete measuring unit is easily transportable and thus universally applicable.



Test stand BS 61 and HP

The BAREISS-TEST STAND BS61 is determined for series measurements and serves for the pick-up of mechanical and digital hardness testers acc. to SHORE.

- The pick-up device allows a quick and easy clamping of the hardness tester.
- The integrated loading device for SHORE A/B/O guarantees a constant contact pressure acc. to standards.
- For SHORE D/C/DO tests an additional weight is mounted.
- A special pick-up bracket for hardness tests acc. to SHORE 00/000 is available.



Test stand BS 61II and digital HPE II

The BAREISS-TEST STAND BS61II in combination with the digital HPE II offers further advantages.

- There is an optical and acoustical signal as soon as the measuring time has run down.
- Thus the measuring result can be read without difficulties for strongly flowing material, too.
- A serial interface RS 232 permits the subsequent treatment of the measured values over a PC.
- the DATA LOGGER allows:
 - the storage of measured values and the statistical evaluation in 10 series of measurements with 200 measured values each
 - an operating time of 8 hours by accumulator
 - the print-out of the test protocol by a printer with a serial interface or the data transmission to a PC

Check Device for HP, HPEII and HHP

According to ISO 9000 ff the user is obligated to a regular examination of his measuring instruments.

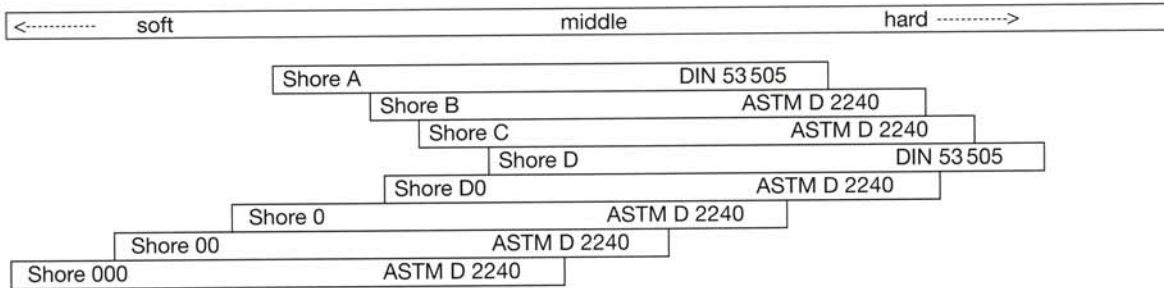
By the checking device the reading accuracy of Shore testers is supervised.

It allows a quick control of the spring characteristics in steps by ten of the measuring ranges Shore A/B/O/C/D/DO.

DIN 53505, EN ISO 868, NF EN ISO 868, ASTM D 2240, JIS K 6253

Technical Data and ranges of application

hardness ranges of soft elastic materials



dial gauge	spring power	pressure force	indenter	distance	range
Shore A	806,50 cN	12,5 N	truncated cone 35 °	2,5	0–100
Shore D	4450,00 cN	50,0 N	tip 30°	2,5	0–100
Shore B	805,00 cN	1 kg	tip 30°	2,5	0–100
Shore C	4445,00 cN	5 kg	truncated cone 35 °	2,5	0–100
Shore D0	4445,00 cN	5 kg	ball 3/32"	2,5	0–100
Shore O	805,00 cN	1 kg	ball 3/32"	2,5	0–100
Shore OO	111,10 cN	400 g	ball 3/32"	2,5	0–100
Shore 000	111,10 cN	400 g	ball r = 14	2,5	0–100
L/C	806,50 cN	12,5 N	ball Ø 5 mm	2,5	0–100

measuring ranges	applications
HP / HPE II SHORE A acc. to DIN 53505, EN ISO 868, NF EN ISO 868 ASTM D 2240, JIS K 6253	material thickness from 6 mm on soft rubber, elastomeres, products of natural rubber, neoprene, casting resin, polyester, soft PVC, leather, silicone
HP / HPE II SHORE D acc. to DIN 53505, EN ISO 868, NF EN ISO 868 ASTM D 2240, JIS K 6253	material thickness from 6 mm on hard rubber, hard plastic materials, acrylic glass, polystyrol, rigid thermoplastics, resopal, vinyl-plates
HP / HPE II SHORE B acc. to ASTM D 2240	material thickness from 6 mm on middle hard rubber, typewriter rolls, plates
HP / HPE II SHORE C acc. to ASTM D 2240	material thickness from 6 mm on plastic and middle hard rubber materials
HP / HPE II SHORE O acc. to ASTM D 2240	material thickness from 6 mm on soft elastic materials, printing rolls, medium-hard textiles, nylon, orlon, perlon, rayon
HP / HPE II SHORE OO acc. to ASTM D 2240 HP / HPE II SHORE OOO acc. to ASTM D 2240	material thickness from 6 mm on sponge rubber, foam rubber, silicone
HP / HPE II SHORE DO acc. to ASTM D 2240	material thickness from 6 mm on medium hard up to hard rubber or plastic materials
HP / HPE II L/C	material thickness from 6 mm on foams, leather, foamed car parts

The trailing pointer for analogous hardness testers is available on option.

	net – weight	gross – weight	dimension
analogous hardness tester HP	0,230 kg	0,400 kg	75 x 65 x 25 mm
digital hardness tester HPE II	0,350 kg	0,500 kg	136 x 65 x 40 mm
analogous hardness testers HP - A / B / O with loading weight and box	1,560 kg	1,800 kg	75 x 125 x 60 mm
TEST STAND BS 61 with loading device for hardness tests according to Shore A/B/O	5,500 kg	8,800 kg	180 x 200 x 350 mm
Mountable loading weight 37,5 N for hardness tests acc. to Shore D/C/DO	4,000 kg	4,500 kg	75 x 100 mm

Technical changes without notice

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