

# Shore Hardness PRIMUS

for tests according to

DIN 53 505, EN ISO 868, ASTM D 2240, ISO 7619, BS 903 Part. A 26



Hardness testers for an accurate hardness determination on all natural and synthetic rubber products, acrylic glass, acetates, casting resin, polyester, thermoplastics, PVC, neoprenes, hardboards, wood, leather and much more.

Our absolutely exact **SHORE HARDNESS TESTERS** are easy to handle and can be used

- as portable instruments for variable use
- in connection with our test stands for stationary use

All **HARDNESS TESTERS PRIMUS** according to Shore have got a round, clearly arranged and antiglare scale. The scale's graduation always is 0 - 100 shore, divided in 100 units

The most important advantage of these handy hardness testers is the absolute precise indication of the measured values.

(Test Stand BS 61 with HT PRIMUS-A)

## OPTION:



The **TEST-STAND BS 61** is determined for serial tests and serve for taking up the manual SHORE Hardness Testers. The pic-up device allows a quick and easy clamping of the hardness testers.

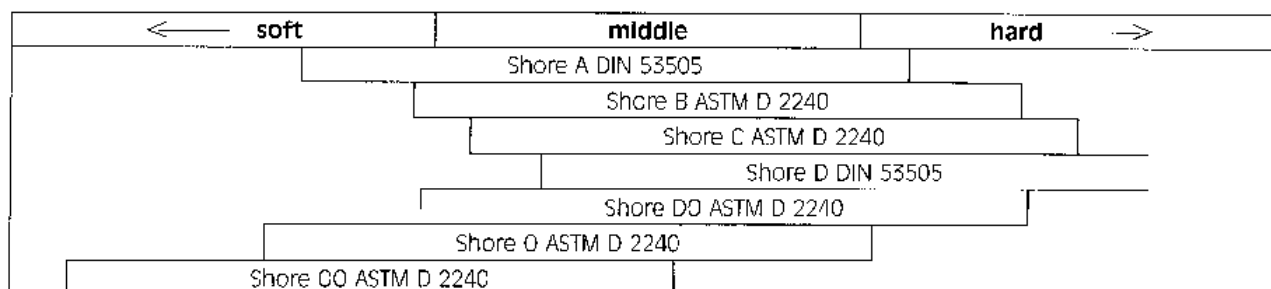
The built-in loading device for hardness tests within the Shore-A-range guarantees a constant pressure as prescribed in DIN 53 505.

The measuring result can be obtained without subjective influences because of this constant load.

(Test stand BS 61 with HT PRIMUS-A)

## Technical data and fields of application

hardness ranges: rubber, elastomers and plastics



dial gauge	spring power	press power	Indentor	measuring distance	measuring range
Shore A	806,50 cN	12,5 N	truncated cone 35°	2,5	0 – 100
Shore D	4450,0 cN	50,0 N	point 30°	2,5	0 – 100
Shore B	805,00 cN	1 kg	point 30°	2,5	0 – 100
Shore C	4445,0 cN	5 kg	truncated cone 35°	2,5	0 – 100
Shore D0	4445,0 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 00	111,1 cN	400 g	ball 3/32"	2,5	0 – 100

Measuring ranges	ranges of application
<b>HP-A or HP-AS*</b> according to DIN 53505, ISO 868, NFT 51109, ASTM D 2240, BS 903 Part. A 26	material thickness from 6 mm on soft rubber, elastomers, natural rubber products, neoprenes, casting resin, polyester, soft-PVC, leather, etc.
<b>HP-D or HP-DS*</b> according to DIN 53505, ISO 868, NFT 51109, ASTM D 2240, BS 903 Part. A 26	material thickness from 6 mm on hard rubber, hard plastic materials, acrylic glass, polystyrol, rigid thermoplastics, resopal, printing rolls, vinyl-plates, cellulose-acetate, etc.
<b>HP-B or HP-BS*</b> according to ASTM D 2240	material thickness from 6 mm on medium hard materials of rubber, typewriter rolls, plates
<b>HP-C or HP-CS*</b> according to ASTM D 2240	material thickness from 6 mm on plastics and medium hard rubber materials
<b>HP-D0 or HP-DOS*</b> according to ASTM D 2240	material thickness from 6 mm on plastics and medium hard up to hard rubber materials
<b>HP-O or HP-OS*</b> according to ASTM D 2240	material thickness from 6 mm on soft elastic materials, printing rolls, medium fast textiles, nylon, orlon, perlon, rayon
<b>HP-00</b> according to ASTM D 2240	material thickness from 6 mm on sponge rubber, foam rubber

S\* = maximum indicating pointer

net weight of manual hardness testers: 0,230 kg  
gross weight of manual hardness testers: 0,400 kg