
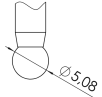


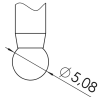


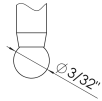

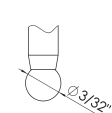
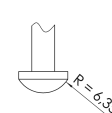
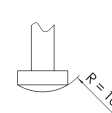
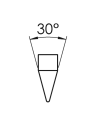
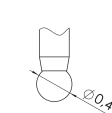
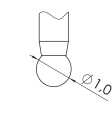
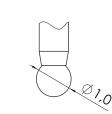
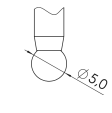
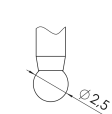


## Ranges of Application / technical data

Test Method	Range of Application	Standard	Minimum material thickness [mm]	Indenter [mm]
<b>Rubber- and plastics hardness</b>				
Shore A	soft rubber, elastomers, natural rubber products, neoprene, casting resin, polyester, soft PVC, leather, pressure rollers, etc...	DIN EN ISO 868	4	
		DIN ISO 7619, DIN 53505, ASTM D 2240, NFT 51-174, BS903 Part. A 26	6	
Asker C	see Shore A	SRIS 0101, ABNT NBR 14455	6	
Shore A0 Shore E	see Shore A	DIN ISO 7619 ASTM D 2240	6	
M Shore A	see Shore A	Bareiss standard	0,5	
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	
Asker CS	see Shore D	SRIS 0101	6	
M Shore D/C/D0	see Shore D 0,5	Bareiss standard	1,5	
M Shore D/C/D0	see Shore D 0,2	Bareiss standard	1,5	
Shore B	middle hard materials from rubber, typewriter roles, flat materials	ASTM D 2240	6	
Shore C	plastics and middle hard rubber materials	ASTM D 2240	6	
Shore D0	plastics and middle hard rubber materials	ASTM D 2240	6	
Shore 0	soft elastic materials, pressure rolls, middle firm, textile fabrics, nylon, orlon, perlon, rayon	ASTM D 2240	6	

Test Method	Range of Application	Standard	Minimum material thickness [mm]	Indenter Ball Ø [mm]
Shore 00	sponge- and foam rubber, cellular rubber, silicone	ASTM D 2240	6	
Shore 000	sponge- and foam rubber, cellular rubber, silicone	ASTM D 2240	6	
Shore 000 S	see Shore 00 / 000	ASTM D 2240	6	
Type AM/M	see Shore A	DIN ISO 7619 ASTM D 2240	1,5	
IRHD M	thin walled O-rings, moulded parts, standard plates	DIN ISO 48, ASTM D 1415, NFT 46-003, BS903 Part. A 26	0,6	
IRHD H	see Shore D	DIN ISO 48, ASTM D 1415, NFT 46-003, BS903 Part. A 26	6	
IRHD N	soft rubber, high elastic materials, plastic ductile materials	DIN ISO 48, ASTM D 1415, NFT 46-003, BS903 Part. A 26	6	
IRHD L	sponge- and foam rubber, cellular rubber, silicone	DIN ISO 48, ASTM D 1415, NFT 46-003, BS903 Part. A 26	10	
VLRH	sponge- and foam rubber, cellular rubber, silicone	DIN ISO 27588	2	
Pusey & Jones	rubber- or rubberlike materials, rubber rollers for the paper industry	ISO 7267-3, ASTM D 531	13	

Metal hardness				
Barcol	fibre-glass reinforced plastics, thermosetting plastics, hard thermoplastics, aluminium	DIN EN 59, ASTM D 2583	1,5	
Vickers	determination of hardening depth Determination of the hardness profile within the - - <b>low force range</b> - <b>micro hardness range</b>	DIN EN ISO 6507 CHD – DIN EN 2639 CDD (EHT), DIN 10328 DS (RHT), DIN 50190 Teil 3 (NHT)	<b>HV 0,1 – HV 10</b> <b>HV 0,01 – HV 2</b>	
Rockwell / plastics	M1/2 ball indentation hardness on plastics M1/3 Rockwellhardness on metals M1/4 Rockwellhardness on carbon materials M1/5 Hardness test on building plaster	DIN EN ISO 2039-1  DIN EN 10109-1  DIN 51917, DIN EN IEC 413  DIN EN 13279		different indenters
More products				
<b>Gelomat</b> 0-20 N	determination of material hardening on gelatine capsules and elasticity	no standard		Ø 10
<b>Gelomat</b> 0-2 N	determination of gel stability and gel capacity, agar-agar	no standard		area 10 mm <sup>2</sup> = Ø 3,75
<b>HPEII-Fff</b> Determination of fruit pulp	determination of fruit pulp and vegetable hardness	no standard		different indenters
<b>HPEII KFZ-Interior</b> Impression force N	foam materials covered with leather or fabrics	no standard	6	Ø 10 - Ø 15
<b>Tensiometer</b> Fabric tension in Newton/cm	for measuring tension of forming and dryer fabrics during rotating operation on drive side and on operator side	no standard		Ø 13 length 80 mm