

# PORTABLE HARDNESS TESTERS

## Technical Data for Portable Hardness Tester Impact Devices



	<b>D/DC/DL</b>	<b>D + 15</b>	<b>C</b>	<b>G</b>
<b>Impact Devices</b>				
Impact Energy	11Nmm	11Nmm	3Nmm	90Nmm
Mass of the impact body	5.5g	7.8g	3.0g	20g
<b>Test tip</b>				
• Hardness	1600HV	1600HV	1600HV	1600HV
• Diameter	3mm	3mm	3mm	5mm
• Material		Tungsten carbide	Tungsten carbide	
<b>Impact device</b>				
• Diameter	20mm	20mm	20mm	30mm
• Length	147/86mm	162mm	141mm	254mm
• Weight	75/50g	80g	75g	250g
<b>Max. hardness of sample</b>	940HV	940HV	1000HV	650HB
<b>Preparation of surface</b>				
• Roughness class ISO	N7	N7	N5	N9
• Max. roughness depth Rt	10 μ m	10 μ m	2.5 μ m	30 μ m
• Average roughness Ra	2 μ m	2 μ m	0.4 μ m	7 μ m
<b>Min. weight of sample</b>				
• Of compact shape	5kg	5kg	1.5kg	15kg
• On solid support	2kg	2kg	0.5kg	5kg
• Coupled on plate	0.1kg	0.1kg	0.02kg	0.5kg
<b>Min. thickness of sample</b>				
• Coupled	3mm	3mm	1mm	10mm
• Min. thickness of layers	0.8mm	0.8mm	0.2mm	
<b>Indentation of test tip</b>				
• <b>With 300HV</b>				
• Diameter	0.54mm	0.54mm	0.38mm	1.03mm
• Depth	24 μ m	24 μ m	12 μ m	53 μ m
• <b>With 600HV</b>				
• Diameter	0.45mm	0.45mm	0.32mm	0.90mm
• Depth	17 μ m	17 μ m	8 μ m	41 μ m
• <b>With 800HV</b>				
• Diameter	0.35mm	0.35mm	0.30mm	-
• Depth	10 μ m	10 μ m	7 μ m	-