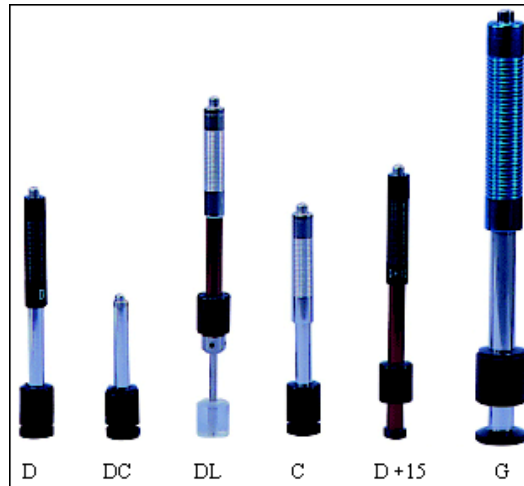




From NDTmart.com

Hardness Testing Probes



Optional Impact Devices

Specification

Application of Impact Devices		D type for general pieces DC type for hole or cylinder DL type for long and narrow channel or hole	D + 15 type for measuring in grooves or recessed surfaces	C type for measuring light and small piece and surface hardened layer	G type for measuring heavy and rough cast and forged pieces
Impact Device		D/DC/DL	D + 15	C	G
Impacting Energy		11mJ	11mJ	2.7mJ	90mJ
Mass of impact body		5.5g/5.5g/7.3g	7.8g	3.0g	20g
Hardness of spherical test tip		1600HV	1600HV	1600HV	1600HV
Diameter of spherical test tip		3mm	3mm	3mm	5mm
Material of spherical test tip		Tungsten carbide	Tungsten carbide	Tungsten carbide	Tungsten carbide
Diameter of Impact Device		20mm	20mm	20mm	30mm
Length of impact device		147/86mm/75mm	162mm	141mm	254mm
Weight of impact device		50g	80g	75g	250g
Max. hardness of workplace		940/940/950HV	940HV	1000HV	650HV
Average surface roughness of the test piece		Ra: 1.6 μm	Ra: 1.6 μm	Ra: .4 μm	Ra: 6.3 μm
Min. weight of test piece	Direct measuring	5kg	5kg	1.5kg	1.5kg
	On stable support	2kg	2kg	0.5kg	5kg
	With compact coupling	0.05kg	0.1kg	0.02kg	0.5kg
Min thickness of test piece	Compact coupling	5mm	5mm	1mm	10mm
	Min. case hardened depth	0.8mm	0.8mm	0.2mm	1.2mm
Size of indentation of spherical test					
Hardness 300HV	Indentation diameter	0.54mm	0.54mm	0.38mm	1.03mm
	Indentation depth	24 μm	24 μm	12 μm	53μm
Hardness 600HV	Indentation diameter	0.54mm	0.54mm	0.32mm	0.90mm
	Indentation depth	17 μm	17 μm	8 μm	41 μm
Hardness 800HV	Indentation diameter	0.35mm	0.35mm	0.35mm	
	Indentation depth	10 μm	10 μm	7 μm	