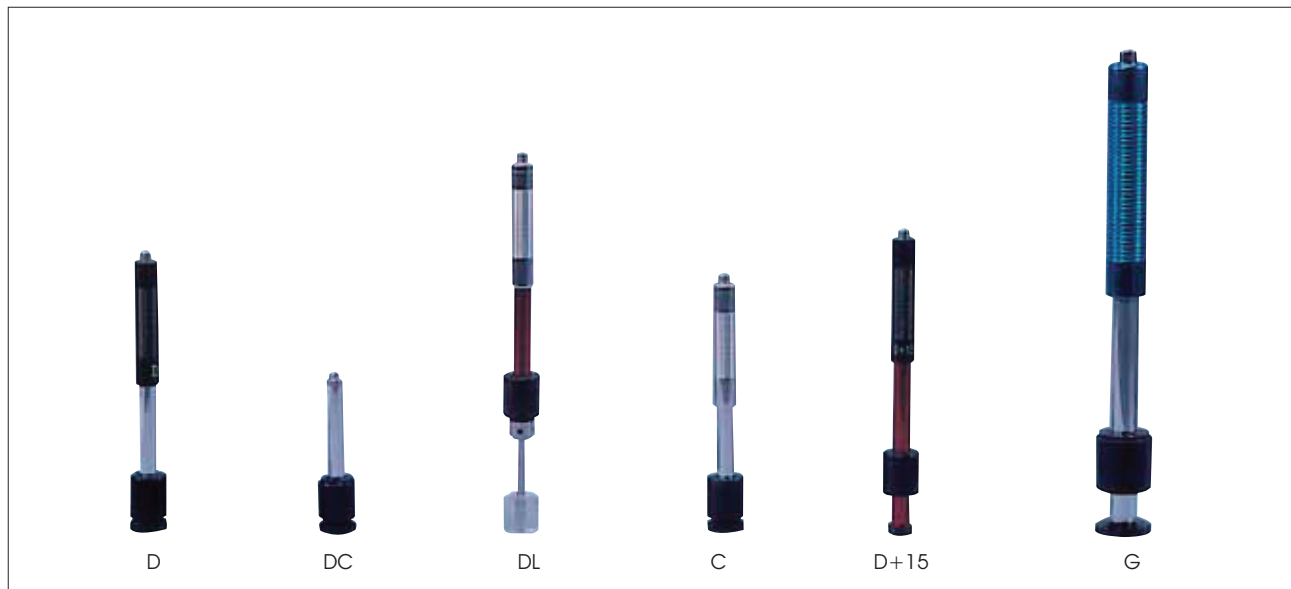


Technical specification of impact devices



Technical specification

Impact device	D/DC/DL	D+15	C	G	
Impacting energy	11mJ	11mJ	2.7mJ	90mJ	
Mass of impact body	5.5g/5.5g/7.2g	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	20/20/6mm	20mm	20mm	30mm	
Length of impact device	147/86/202mm	162mm	141mm	255mm	
Weight of impact device	75/50/60g	80g	75g	250g	
Max. hardness of workpiece	940/940/950HV	940HV	1000HV	650HV	
Surface roughness of workpiece	≤1.6 μm	≤1.6 μm	≤0.4 μm	≤6.3 μm	
Min. weight of workpiece					
Direct measurement	>5kg	>5kg	>1.5kg	>15kg	
Needing stable support	2~5kg	2~5kg	0.5~1.5kg	5~15kg	
Needing compact coupling	0.05~2kg	0.05~2kg	0.02~0.5kg	0.5~5kg	
Min. thickness of workpiece with compact coupling	5mm	5mm	1mm	10mm	
Min. thickness of hardened layer	0.8mm	0.8mm	0.2mm	1.2mm	
Size of impact indentation					
Hardness 300HV	Indentation diameter	0.54mm	0.54mm	0.38mm	1.03mm
	Indentation depth	24 μm	24 μm	12 μm	53 μm
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	-
Application guide of impact devices	D type for general purpose, DC type for inner face of holes or small spaces, DL type for long and narrow channel or holes	D+15 type for grooves or concave	C type for small or light workpieces and surface hardener layer	G type for big and heavy workpieces with rough surface	