

## Optional Impact Devices KH-series



**D** for general purpose detector  
**C** For surface hardened components, coatings, thin walled or impact sensitive components

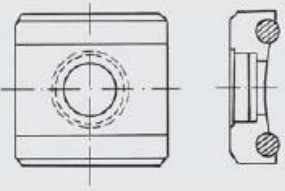
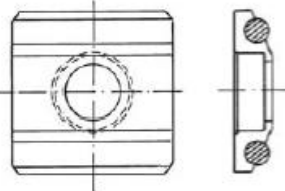
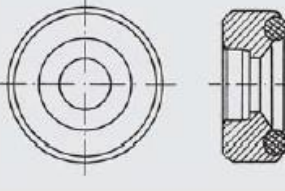
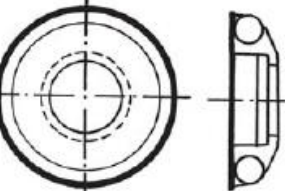
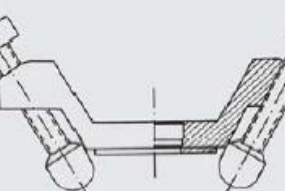
**DC** for internal walls of pipes with diameter that cannot be tested with the D type  
**D+15** for bearings and gears

**DL** for small areas such as the bottom of small gears and weld corners  
**G** For solid components, such as heavy castings and Brinell only

### Technical Specification

Impact Devices		D / DC / D+15	DL	C	G
Impacting energy (Nmm)		11	11	3	90
Mass of impact body (g)		5.5/5.5/7.3	7.8	3.0	20
Test tip	Hardness (HV)	1600	1600	1600	1600
	Diameter (mm)	3	3	3	5
	Material	Tungsten carbide	Tungsten carbide	Tungsten carbide	Tungsten carbide
Impact body	Diameter (mm)	20	20	20	30
	Length (mm)	147/86/147	250	141	254
	Weight (g)	75/75/50	80	75	250
Max. Hardness of work piece		940HV	940HV	1000HV	650HB
Preparation of surface	Roughness class ISO (ISO)	N7	N7	N5	N9
	Max. roughness depth Rt (µm)	10	10	2.5	30
	Average roughness Ra (µm)	2	2	0.4	7
Min. weight of sample	Of compact shape (kg)	5	5	1.5	15
	On solid support (kg)	2	2	0.5	5
	Coupled on plate (kg)	0.1	0.1	0.02	0.5
Min. thickness of sample	coupled (mm)	3	3	1	10
	Min. thickness of hardened layers (mm)	0.8	0.8	0.2	-
Indentation of Test tip					
With 300HV	Diameter (mm)	0.54	0.54	0.38	1.03
	Depth (µm)	24	24	12	53
With 600HV	Diameter (mm)	0.45	0.45	0.32	0.90
	Depth (µm)	17	17	8	41
With 800HV	Diameter (mm)	0.35	0.35	0.30	-
	Depth (µm)	10	10	7	-

## Optional Support rings

No.	Type	Chart	Remarks
1	Z10-15		For testing cylindrical outside surface R10-R15
2	Z14.5-30		For testing cylindrical outside surface R14.5-R30
3	Z25-50		For testing cylindrical outside surface R25-R50
4	HZ11-13		For testing cylindrical inside surface R11-R13
5	HZ12.5-17		For testing cylindrical inside surface R12.5-R17
6	HZ16.5-30		For testing cylindrical inside surface R16.5-R30
7	K10-15		For testing spherical outside surface SR10-SR15
8	K14.5-30		For testing spherical outside surface SR14.5-SR30
9	HK11-13		For testing spherical inside surface SR11-SR13
10	HK12.5-17		For testing spherical inside Surface SR12.5-SR17
11	HK16.5-30		For testing spherical inside surface SR16.5-SR30
12	UN		For testing cylindrical outside surface, radius adjustable R10-∞

## Optional Accessoires



It can be connected with DHT-100



Impact Body DL/G/D/C



Test Block (with certificate)



Support rings



Cable