

Special Supporting Ring (use for different shaped surface)

Model	Notice	Model	Notice
Z10-15	Outside cylinder R10-15	K10-15	Outside sphere R10-15
Z14.5-30	Outside cylinder R14.5-30	K14.5-30	Outside sphere R14.5-30
Z25-50	Outside cylinder R25-50	HK11-13	Inside sphere R11-13
HZ11-13	Inside cylinder R11-13	HK12.5-17	Inside sphere R12.5-17
HZ12.5-17	Inside cylinder R12.5-17	HK16.5-30	Inside sphere R16.5-30
HZ16.5-36	Inside cylinder R16.5-30	UN	Outside cylinder, R10-∞

Measuring Range Table

Material	Hardness	Impact Device (Probe)					
		D/DC	D+15	C	G	E	DL
Steel & cast Steel	HRC	17.1~68.5	19.3~67.9	20.0~69.5		22.4~70.7	20.6~68.2
	HRB	59.6~99.6			47.7~99.9		37.0~99.9
	HRA	59.1~85.8				61.7~88.0	
	HB	80~651	80~638	80~683	90~646	83~663	81~646
	HV	83~976	80~937	80~996		84~1042	80~950
	HS	32.2~99.5	33.3~99.3	31.8~102.1		35.8~102.6	30.6~96.8
Forged Steel	HB	142~651					
Alloy Tool Steel	HRC	17.1~67.1	19.8~68.2	20.0~69.5		22.6~70.2	
	HV	83~976	80~935	80~996		82~1009	
Stainless Steel	HRB	59.6~99.6					
	HB	140~651					
	HV	83~976					
Gray Cast Iron	HRC						
	HB	140~334			92~326		
	HV						
GC Iron	HB	140~387			140~364		
Cast Alum.	HB	30~159		23~210	32~168		
	HRB	23.8~84.6		22.7~85.0	23.8~85.5		
	HV	83.2~648.2					
Copper-Zinc Alloy (Brass)	HB	40~173					
	HRB	13.5~95.3					
Bronze	HB	60~290					
Copper	HB	45~315					