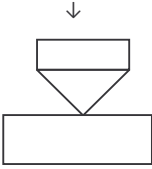
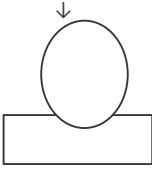
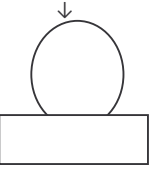
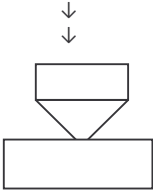
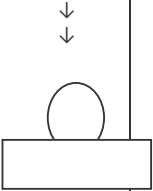


Hardness Comparison Tables for Steel					IS: 58-1967
Vickers Hardness Number, HV	Brinell Hardness Number, HB		Rockwell Hardness Number, HR		Tensile Strength
	3000 kgf 10mm steel ball	3000 kgf 10mm carbide ball	140 kgf (additional load) 10 kgf (preload)	90 kgf (additional load) 10 kgf (preload)	
			Diamond penetratary steel ball 	1.5875 mm 	
30 kgf	3000 kgf Load (F/D ² =30)	3000 kgf Load	C Scale 150 kgf Load	B Scale 100 kgf Load	Kgf/mm ²
940	—	—	68.0	—	
900	—	—	67.0	—	
860	—	—	65.9	—	
840	—	745	65.3	—	
820	—	733	64.7	—	
780	—	710	63.3	—	
740	—	684	61.8	—	
700	—	656	60.1	—	
660	—	620	58.3	—	
620	—	582	56.3	—	
580	—	545	54.1	—	
550	505	517	52.3	—	
500	465	417	49.1	—	
450	425	425	45.3	—	150
420	397	397	42.7	—	142
390	369	369	39.8	—	132
370	350	350	37.7	—	126
340	322	322	34.4	—	117
320	303	303	32.2	—	110
300	284	284	29.8	—	103
285	270	270	27.8	—	98
265	252	252	24.8	—	90
250	238	238	22.2	—	86
235	223	—	—	99.9	81
225	214	—	—	98.3	78
210	200	—	—	95.7	72
200	190	—	—	93.8	69
190	181	—	—	91.6	65
175	166	—	—	87.9	60
160	152	—	—	83.4	55
145	138	—	—	78.1	50
135	128	—	—	73.9	47
120	114	—	—	66.3	42
120	100	—	—	56.4	37
Application : Can be applied on all materials. Suited specially for testing very hard and very thin materials and also case hardened and nitride steels	Application : Shall be limited to materials having a maximum Brinell Hardness of 400 with steel ball and of 700 with carbide ball.		Application : Used for testing materials having hardness values of HRC between 20 to 67	Application : Used for testing materials having hardness values of HRB between 60 to 90	