CAST IRON BALL CHEMICAL ELEMENTS AND HARDNESS

Name	Material	Chemical elements						Hardness
		C	Si	Mn	S	P	Cr	HRC
Cast iron ball	Special cr1	2.0-3.0	＜1.0	0.5-2.0	≤0.06	≤0.06	＞20	60-65
	Special cr2	2.0-3.0	＜1.0	0.5-2.0	≤0.06	≤0.06	＞15	58-64
	High Cr	2.0-3.2	＜1.0	0.5-2.5	≤0.06	≤0.06	＞10	58-63
	Medium Cr	2.0-3.2	＜1.0	0.5-2.5	≤0.06	≤0.06	≥5	48-55
	Low Cr	2.2-3.4	≤1.2	0.5-1.5	≤0.06	≤0.06	1.0-1.5	45-50

Hardness

Material	20mm-40mm HRC		50mm-80mm HRC		90mm and above HRC	
	Surface	Core	Surface	Core	Surface	Core
Special Cr：＞20	60-65	60-65	60-65	60-65	60-65	58-63
Special Cr：＞15	58-64	58-64	58-64	58-64	58-64	56-62
High Cr：＞10	58-63	58-63	58-63	58-63	58-63	56-61
Medium Cr：≥5	48-55	48-55	48-55	48-55	48-55	46-53
Low Cr：1-1.5	45-50	45-50	45-50	45-50	45-50	43-48