

Cast Ball Chemical Composition and Physical Specifications
(铸球化学成分和力学性能)

Can be customized according to customer material requirements
(可根据客户材质要求定做)

硬度 Hardness 直径 重量 Diameter/Weight		Low Cr		Medium Cr				High Cr		Special-Cr 1		Special-Cr 2	
		C:2.2-3.4, Si:≤1.2, Mn:0.5-1.5, P:≤0.06, S:≤0.06, Cr:1.0-1.5		C:2.0-3.2, Si:<1.0, Mn:0.5-2.5, P:≤0.06, S:≤0.06, Cr:≥5				C:2.0-3.2, Si:<1.0, Mn:0.5-2.5, P:≤0.06, S:≤0.06, Cr:>10		C:2.0-3.0, Si:<1.0, Mn:0.5-2.5, P:≤0.06, S:≤0.06, Cr:>15		C:2.0-3.0, Si:<1.0, Mn:0.5-2.0, P:≤0.06, S:≤0.06, Cr:>20	
Diameter 直径(MM)	Weight/PC 单重(kg)	Surface Hardness 表面硬度(HRC)	Core Hardness 芯部硬度(HRC)	Surface Hardness 表面硬度(HRC)	Core Hardness 芯部硬度(HRC)	Surface Hardness 表面硬度(HRC)	Core Hardness 芯部硬度(HRC)	Surface Hardness 表面硬度(HRC)	Core Hardness 芯部硬度(HRC)	Surface Hardness 表面硬度(HRC)	Core Hardness 芯部硬度(HRC)	Surface Hardness 表面硬度(HRC)	Core Hardness 芯部硬度(HRC)
20	0.033	40-45	40-45	42-48	42-48	58-63	58-63	58-64	58-64	60-65	60-65	60-65	60-65
25	0.064	40-45	40-45	42-48	42-48	58-63	58-63	58-64	58-64	60-65	60-65	60-65	60-65
30	0.111	40-45	40-45	42-48	42-48	58-63	58-63	58-64	58-64	60-65	60-65	60-65	60-65
40	0.261	45-50	45-50	48-55	48-55	58-63	58-63	58-64	58-64	60-65	60-65	60-65	60-65
50	0.512	45-50	45-50	48-55	48-55	58-63	58-63	58-64	58-64	60-65	60-65	60-65	60-65
60	0.883	45-50	45-50	48-55	48-55	58-63	58-63	58-64	58-64	60-65	60-65	60-65	60-65
70	1.402	45-50	45-50	48-55	48-55	58-63	58-63	58-64	58-64	60-65	60-65	60-65	60-65
75	1.73	45-50	45-50	48-55	48-55	58-63	58-63	58-64	58-64	60-65	60-65	60-65	60-65
80	2.092	45-50	45-50	48-55	48-55	58-63	58-63	58-64	58-64	60-65	60-65	60-65	60-65
90	2.98	45-50	43-48	48-55	46-53	58-63	56-61	58-64	56-62	60-65	58-63	60-65	58-63
100	4.087	45-50	43-48	48-55	46-53	58-63	56-61	58-64	56-62	60-65	58-63	60-65	58-63
110	5.44	45-50	43-48	48-55	46-53	58-63	56-61	58-64	56-62	60-65	58-63	60-65	58-63
120	7.062	45-50	43-48	48-55	46-53	58-63	56-61	58-64	56-62	60-65	58-63	60-65	58-63
125	8.008	45-50	43-48	48-55	46-53	58-63	56-61	58-64	56-62	60-65	58-63	60-65	58-63
130	9.008	45-50	43-48	48-55	46-53	58-63	56-61	58-64	56-62	60-65	58-63	60-65	58-63
140	11.25	45-50	43-48	48-55	46-53	58-63	56-61	58-64	56-62	60-65	58-63	60-65	58-63
150	13.83	45-50	43-48	48-55	46-53	58-63	56-61	58-64	56-62	60-65	58-63	60-65	58-63
冲击值 Impact		≥2Ak.J/cm2		≥3Ak.J/cm2				≥3Ak.J/cm2		≥3Ak.J/cm2		≥3Ak.J/cm2	
跌落次数 Drop Test		≥8000		≥8000				≥8000		≥10000		≥12000	
公称直径 Diameter		20mm	25mm	30mm	40mm	50mm	60mm	70mm	80mm	90mm	100mm	110-150mm	
允许偏差 Tolerance		+1/-1 mm		+1.5/-1 mm				+2/-1 mm		+2.5/-1mm		+3/-1mm	
不圆度 Out of Roundness		≤1%		≤2%				≤2%		≤3%		≤4%	
金相组织 Microstructure		P+C		P+C				M+C		M+C		M+C	