

GCr15

Steel: GCr15

Corresponding Steel Grade and Chemical Composition:

Standard/Steel Grade		Chemical Composition(%)								
		C	Si	Mn	Cr	Mo	Ni	P	S	
GB/T 18254	GCr15	0.95-1.05	0.15-0.35	0.25-0.45	1.40-1.65	≤0.10	≤0.30	≤0.025	≤0.025	
ASTM A295	52100	0.93-1.05	0.15~0.35	0.25-0.45	1.35-1.60	≤0.10	≤0.25	≤0.025	≤0.015	
DIN EN ISO 683/17	100Cr6	0.93-1.05	0.15-0.35	0.25-0.45	1.35-1.60	≤0.10	-	≤0.025	≤0.015	
JIS G4805	SUJ2	0.95-1.10	0.15~0.35	≤0.50	1.30-1.60	≤0.08	'+Cu≤	≤0.025	≤0.025	

Brief Introduction:

GCr15 is a high carbon, chromium containing low alloy steel that is through hardening and noticed in particular for use as bearings. Application: Principal applications are those for bearing in rotating machinery.

Shape & Dimension: Φ 200-600mm

Delivery Condition: EAF+LF+VD, Rolled/Forged,Normalized,Black/Turned

Note:

GCr15SiMn

Steel: GCr15SiMn

Corresponding Steel Grade and Chemical Composition:

Standard/Steel Grade		Chemical Composition(%)								
		C	Si	Mn	Cr	Mo	Ni	P	S	
GB/T 18254	GCr15SiMn	0.95-1.05	0.45-0.75	0.95-1.25	1.40-1.65	≤0.10	≤0.30	≤0.025	≤0.025	
DIN EN ISO 683/17	100CrMnSi6-4	0.93-1.05	0.45-0.75	1.00-1.20	1.40-1.65	≤0.10	-	≤0.025	≤0.015	

Brief Introduction: On the base of GCr15,it increases the Si,Mn contents to improve the hardenability and elasticity.Application:bearing and bearing balls.

Shape & Dimension: Φ 200-600mm

Delivery Condition: EAF+LF+VD, Rolled/Forged,Normalized,Black/Turned

Note: