



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - ASTM A216 WCA

**Standard Specification for Steel Castings, Carbon, Suitable for Fusion Welding, for High-Temperature Service**

**Group - Ferrous Mild Steel Alloys**

**Sub Group - ASTM A216 / A216M Steel Castings, Carbon, Suitable for Fusion Welding, for High-Temperature Service**

**Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries**

**Grade Belongs to the Industry - Casting**

Chemical Composition			Heat Treatment	
Carbon	C %	0.250 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.700 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	0.500 max.		
Nickel	Ni %	0.500 max.		
Molybdenum	Mo %	0.200 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.030 max.		
other	Ot %	1.000 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA 216 WCA	ASME	USA	Casting
A660 WCA	ASTM	USA	Fusion Welding, Bending and Forming
J02502	UNS	USA	Casting
A216 WCB	ASTM	USA	Casting
SA 216 WCB	ASME	USA	Casting
1.0619	EN	European Union	Casting
1.0619	WN	Germany	Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**