GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-660 Grade WCB

Standard Specification for Centrifugally Cast Carbon Steel Pipe for High-Temperature Service

Group - Ferrous Mild Steel Alloys
Sub Group - ASME SA-660 Grade WCB Centrifugally Cast Carbon Steel Pipe for High-Temperature Service
Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Steel and Pipe

Chemical Composition		
Carbon	C %	0.300 max.
Manganese	Mn %	1.000 Max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Silicon	Si %	0.600 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Normalizing or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	483 min.
Yield Strength in Mpa	248 min.
Elongation in %	22 min.
Reduction of Area in %	35 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
J03003	UNS	USA	Steel
SA-216 WCB	ASME	USA	Casting
A 660 Grade WCB	ASTM	USA	Casting
A 216 WCB	ASTM	USA	Casting
A 757 Grade A1Q	ASTM	USA	Casting
10132-2 1.0619	EN	European Union	Casting
10132-2 1.0619	DIN	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

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