



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 3444 Grade 19

Standard Specification for Corrosion Resistant High Alloy Steel And Nickel Base Castings for General Applications

Group - Non-Ferrous Nickel Alloys

Sub Group - IS 3444 Grade 19 Corrosion Resistant High Alloy Steel And Nickel Base Castings for General Applications

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.120 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	15.500 - 20.000		
Molybdenum	Mo %	16.000 - 20.000		
Tungsten	W %	5.250 max.		
Vanadium	V %	0.400 max.		
Cobalt	Co %	2.500 max.		
Iron	Fe %	7.500 max.		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email 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.