



## Material - AMS 5622

**Standard Specification for Steel, Corrosion Resistant, Bars, Wire, Forgings, Tubing and Rings 16Cr - 4,0Ni - 0,30Cb -4,0Cu, Solution Heat Treated**

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - AMS 5622 Steel, Corrosion Resistant, Bars, Wire, Forgings, Tubing, and Rings 16Cr - 4,0Ni - 0,30Cb - 4,0Cu, Solution Heat Treated**

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

**Grade Belongs to the Industry - Bar, Wire, Tube and Forging**

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	15.000 - 17.500		
Nickel	Ni %	3.000 - 5.000		
Copper	Cu %	3.000 - 5.000		
Cb+Ta	Cb %+Ta %	0.450 max.		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa   1310 min. Yield Strength in Mpa   1172 min. Elongation in %   10 min. Reduction of Area in %   - Hardness in HB   388 - 444 Impact in Joule   -	
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-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA747 CB7Cu-1	ASME	USA	Casting
17-4PH	SAE	USA	Steel
Z 7 CNU 17-04	AFNOR NF	France	Steel
J92180	UNS	USA	Casting
X 5 CrNiCuNb 16-4	DIN	Germany	Steel
X 5 CrNiCuNb 16-4	EN	European Union	Forging
A747 Grade CB7Cu-1(H900)	ASTM	USA	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)**

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