GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10095 2.4851 (NiCr23Fe)

Standard Specification for Heat Resisting Steels and Nickel Alloys

Group - Non-Ferrous Nickel Alloys

Sub Group - BS EN 10095 2.4851 (NiCr23Fe) Heat Resisting Steels and Nickel Alloys

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.030 - 0.100
Manganese	Mn %	1.000 max.
Silicon	Si %	0.500 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	21.000 - 25.000
Cobalt	Co %	1.500 min.
Iron	Fe %	18.000 max.
Aluminium	Al %	1.000 - 1.700
Titanium	Ti %	0.500 max.
Copper	Cu %	0.500 max.
Boron	B %	0.006 max.
Nickel	Ni %	58.000 - 63.000
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	550 - 750
Proof Strength in Mpa	205 min.
Elongation in %	-
Reduction of Area in %	30 min.
Hardness in HB	220 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
N06601	UNS	USA	Rod, Bar and Wire
B 166 UNS N06601	ASTM	USA	Rod, Bar and Wire
B 167 UNS N06601	ASTM	USA	Pipe and Tube
B 168 UNS N06601	ASTM	USA	Plate, Sheet and Strip
B 163 UNS N06601	ASTM	USA	Tubing
SB-163 UNS N06601	ASME	USA	Tubing
SB-168 UNS N06601	ASME	USA	Plate, Sheet and Strip

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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