GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10302 2.4633 (NiCr25FeAlY)

Standard Specification for Creep Resisting Steel, Nickel and Cobalt Alloys

Group - Non-Ferrous Nickel Alloys

Sub Group - BS EN 10302 2.4633 (NiCr25FeAlY) Creep Resisting Steel, Nickel and Cobalt Alloys

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.150 - 0.250
Silicon	Si %	0.500 max.
Manganese	Mn %	0.500 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.010 max.
Aluminium	Al %	1.800 - 2.400
Chromium	Cr %	24.000 - 26.000
Copper	Cu %	0.100 max.
Iron	Fe %	8.000 - 11.000
Titanium	Ti %	0.100 - 0.200
Yttrium	Y %	0.050 - 0.120
Zirconium	Zr %	0.010 - 0.100
Nickel	Ni %	Balance
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	680 min.
Proof Strength in Mpa	270 min.
Elongation in %	-
Reduction of Area in %	30 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
N06025	UNS	USA	Pipe and Tubing
B 167 UNS N06025	ASTM	USA	Pipe and Tubing
SB-163 UNS N06025	ASME	USA	Tubing
SB-166 UNS N06025	ASME	USA	Rod, Bars and Wire
SB-167 UNS N06025	ASME	USA	Pipe and Tubing
SB-168 UNS N06025	ASME	USA	Plate, Sheet and Strip
SB-516 UNS N06025	ASME	USA	Tubing

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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