GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10293 1.6750 (G20NiMoCr4)

Standard Specification for Steel Castings for general engineering uses

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10293 1.6750 (G20NiMoCr4) Steel Castings for general engineering uses

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.170 - 0.230
Silicon	Si %	0.600 max.
Manganese	Mn %	0.800 - 1.200
Phosphorus	P %	0.025 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	0.300 - 0.500
Molybdenum	Mo %	0.400 - 0.800
Nickel	Ni %	0.800 - 1.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	570 - 720
Yield Strength in Mpa	410 min.
Elongation in %	16 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	40 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
210610 23 NiMoCr 4 7	SNV	Switzerland	Steel and Forging
A 32-053 20 NCD4-M	AFNOR NF	France	Steel
SEW 685 1.6750	DIN	Germany	Steel and Casting
SEW 515 1.6750	DIN	Germany	Steel and Casting
SEW 685 GS-20 NiMoCr 3 7	DIN	Germany	Steel and Casting
SEW 515 GS-20 NiMoCr 3 7	DIN	Germany	Steel and Casting
SEW 550 22 NiMoCr 4 7	DIN	Germany	Steel and Forging

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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