



SHREE EXTRUSIONS LIMITED



C79800 NICKEL SILVER

TYPICAL USES

- **Architecture:** Ornamental Castings
- **Builders Hardware:** Hardware
- **Consumer:** Musical Instruments Components
- **Industrial:** Valves, Fittings for Dairy and Food Processing

CHEMICAL COMPOSITION

	Cu	Fe	Pb	Zn	Ni	Mn
Min./Max.	45.5-48.5	0-.25	1.5-2.5	Rem	9-11	1.5-2.5

PHYSICAL PROPERTIES

MELTING POINT - LIQUIDUS	2156 F
MELTING POINT - SOLIDUS	2084 F
DENSITY	0.320 LB/IN3 AT 68 F
SPECIFIC GRAVITY	8.860
ELECTRICAL RESISTIVITY	231.40 OHMS-CMIL/FT @ 68 F
ELECTRICAL CONDUCTIVITY	4 %IACS @ 68 F
THERMAL CONDUCTIVITY	14.70 BTU • FT/(HR • FT2 • °F) AT 68F
COEFFICIENT OF THERMAL EXPANSION	9.70 • 10-6 PER OF (68-392 F)
SPECIFIC HEAT CAPACITY	0.090 BTU/LB/°F AT 68 F
MODULAS OF ELASTICITY IN TENSION	19000 KSI

SIZES AVAILABLE :

HOLLOW RODS	Min Bore Size 20 mm and Max OD 100 mm
ROUND RODS/BARS	6mm To 130 mm
HEX	5mm To 60mm
SQUARE	4mm To 60mm
FLAT	5mm Min Thickness and max Width 120mm
PROFILES / SECTIONS	AS per Customer Drawing
BILLETS	Up to 200 mm
INGOTS	AS per Specification

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Accreditation Number M - 0000



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