

CORMAX 30

Chemical Composition	Ni	Fe	Mn	Others	Cu
	30-32	0.4-1	0.5-1.5	max.0.2	rest

Code DIN: 2.0882

Material Properties It offers excellent corrosion resistance especially in seawater environments.
It has a high degree of weldability.

Application Area

- **Industrial:** Pump Impellers, Heat Exchanger Tubes, Evaporator Tubes, Distiller Tubes, Condenser Plates, Refrigerators, Process Equipment, Condenser Components, Ferrules, Welding Backing Rings, Flexible Metal Hose, Weld Wire, Boiler Parts, Condensers, Propeller Sleeves, Heat Exchanger Components.
- **Marine:** Salt Water Flanges, Salt Water Piping, Service, Fittings, Sea Water Condensers, Salt Water Pipe Fittings, Water Boxes – Salt Water Applications, Pump Bodies and Internal Parts – Sea Water.

Heat Treatment It is delivered in as-cast, forged or heat treated condition.

Mechanical Properties	Hardness	HB	90
	Tensile strength	N/mm ²	340
	Yield strength	N/mm ²	120
	Elongation L=5D	%	30

Physical Properties	Electrical conductivity	MS/m	2
	Coefficient of thermal expansion (273 - 573 K)	10 ⁻⁶ /K	17
	Thermal conductivity (20 °C)	(W/mK)	29.3
	Density	(g/cm ³)	8.9
