

TECHNICAL DATA

Standards

Material : correspond to Stellite 21

DIN EN 14700	T Ni1-35-CGTZ
--------------	---------------

General Properties

DSI M NiCr21/35F is a Nickel-based hard facing Ni-Si-Cr-Mo-B-alloyed Laser Welding Cored Wire. The essential characteristics correspond to the Cobalt-base alloys, especially the hardness, corrosion resistance, pitting (inner granular corrosion), heat and wear resistance and thermal shock constancy.

Mechanical Properties

Tensile strength R _m	[MPa] / [N/mm ²]	950 - 1100
Max. operation temperature	[°C]	620 - 650
Hardness	[HRC]	34 - 36

Chemical Composition (Standard Values in %)

Ni	C	Cr	Si	B	Fe	Mo
Base	0.4	20.0	4.5	0.7	<5.0	2.0

Field of applications (Samples)

Fittings, chemical plant components, food industry, nuclear technology.
Oil and gas, petrochemical, extrusion screws.

Packaging and available Sizes*

Spool : SH 253 / BS 300	Ø mm	1.2 / 1.6
Rod : 500 / 1000 mm	Ø mm	1.2 / 1.6

* Other dimensions available on request

