

TECHNICAL DATA

Standards

Material : correspond to Stellite 6

DIN EN 14700	T Ni 1-45-CGTZZ
--------------	-----------------

General Properties

DSI M NiCr6/40F is a Nickel-based hard facing alloyed Laser Welding Cored Wire. Because of high chrome and its other alloys like Boron, Carbon and Molybdenum it's highly corrosion, oxidation, abrasion, heat and pitting (inter granular corrosion) resistant. On top its thermal shock contancy.

Mechanical Properties

Tensile strength R _m	[MPa] / [N/mm ²]	850 - 1000
Max. operation temperature	[°C]	620 - 650
Hardness	[HRC]	41 - 43

Chemical Composition (Standard Values in %)

Ni	C	Cr	Si	B	Fe
Base	0.35	22.0	4.5	1.6	<5.0

Field of applications (Samples)

Wear protection : Valves, Screws, Extruders, Pumps, Dies, Tools, Crushers
Corrosion Resistance : Chemical Plants Components, Oil and Gas, Petrochemical

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

wires@dsilaser.com

