

TECHNICAL DATA

Standards

DIN EN 14700 :	T Fe 16-70-GTZ
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General Properties

DSI M 80F is a high alloyed cored Laser Welding Cored Wire which form extremely hard carbides. The deposit retains its wear resistance up to 800°C. The structure consists of primilary and eutectic solidifying Cr-carbides plus Co-Nb-Mo-W-V-carbides The hardness reduction at a temperature of at 800°C approximately 5%.

Mechanical Properties

Tensile strength R _m	[MPa] / [N/mm ²]	400 - 600
Max. operation temperature	[°C]	800
Hardness	[HRC]	65 - 68

Chemical Composition (Standard Values in %)

C	Cr	Mo	Co	Nb	V	W	B
4.0	16	4.0	4.0	4.0	1.5	0.7	0.9

Field of Applications (Samples)

Parts in hot screening units, grates, sinter breaker.

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

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