

TECHNICAL DATA

Standards

DIN EN 14700 :	T Fe 15-55-CGT
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General Properties / Field of Applications

DSI M 20/59F is a C-Cr-Ni-Mo alloyed Laser Welding Cored Wire with a 32% Cr-Alloy corrosion resistant matrix. Suitable for applications in high mineral wear, for hard facing of parts that are exposed to high abrasion and partly corrosion e.g. kneading machines, liners, pumps, mixer parts, conveyer screws, oil screws, mixer paddles ect. Applicable for maximum operating temperatures up to 450–500°C.

Mechanical Properties

Tensile strength R _m	[MPa] / [N/mm ²]	500
Max. operation temperature	[°C]	700
Hardness	[HRC]	53 - 56

Chemical Composition (Standard Values in %)

C	Si	Mn	Cr	Mo	Ni
3.0	1.3	0.6	32	0.5	3.0

Compatible Materials (Samples)

STAVAX / KSP1 / HPM38 / KTSM60 / SUS420J2 / STAVAX (Edge and hard areas)
1.2083 / 1.2316 / 1.2082 / 1.2085 / 1.4057 / 1.4125 / AISI 440A / AISI 420

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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