

TECHNICAL DATA

Standards

DIN Material Nr. 1.2606

DIN EN 14700 :	S Fe3
AWS :	-

General Properties / Field of Applications

DSI M 50 is a Laser Welding Wire used for highly wear-resistant deposit welds on components exposed to severe abrasion as well as impact and shock stress. Suitable for temperatures up to 500°C. The weld is machinable by grinding. The wire is applicable e.g. for hammer drills and chisels, shredder hammers and cutting tools. Beside of this also suitable for reinforcement on work surfaces and cutting edges of hot and cold forming tools.

Mechanical Properties

Hardness	[HRC]	55 - 60
Maximum operating temp.	[°C]	500

Chemical Composition (Standard Values in %)

C	Si	Mn	Cr	Mo	V	W
0.35	1.1	0.4	5.5	1.2	0.25	1.3

Compatible Materials (Selection)

SKD61 / AISI D2 / 1.2343 / 1.2365 / 1.2714 / 1.2885 / 1.2344

Packaging and available Sizes*

Spool : MA125 mm	Ø mm	0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8 / 1.0 / 1.2
Rod : 500 / 1000 mm	Ø mm	0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8 / 1.0 / 1.2

* Other dimensions available on request

wires@dsilaser.com

