

Hardfacing solid wire

Classification

DIN 8555 : MSG 6-GZ-60-PS

General description

Solid wire for wear resistant overlays
High resistance against corrosion, abrasion and impact deformation
Hardness approximately 55-60HRc
Optimal weldability
Ferritic and martensitic structure

Shielding gases (acc. ISO 14175)

M21 Mixed gas Ar+ >15-25% CO₂

Application

Dies
Matrix

Parts for agricultural machinery

Transport rolls
Sand pumps

Chemical composition (w%) typical wire

C	Mn	Si	Cr
0.5	0.4	3	9

Mechanical properties, typical, all weld metal

Typical hardness values
2 Layers, AW approx. 60 HRc
Heat resistant to 450°C

Packaging and available sizes

Unit type	Diameter (mm)
15 kg spool B300	1.2 X

LNМ 420FM: rev. EN 22

Liability: All information in this data sheet is based on the best available knowledge, is subject to change without notice and can only be considered as suitable for general guidance **Fumes:** Consult information on Welding Safety Sheet, available upon request

Hardfacing solid wire

Classification

DIN 8555 : MSG 2-GZ-350

General description

Solid wire for hardfacing applications
 Hardness approximately HB 325-375
 Optimal welding characteristics
 Martensitic structure

Shielding gases (acc. ISO 14175)

M21 Mixed gas Ar+ >15-25% CO₂

Application

Forming dies
 Dies
 Impact resistance tools

Chemical composition (w%) typical wire

C	Mn	Si	Cr
0.7	1.9	0.45	1.0

Mechanical properties, typical, all weld metal

	Typical hardness values
2 Layers, AW	approx. 38 HRc (360 HB)

Packaging and available sizes

Unit type	Diameter (mm)
	1.2
15 kg spool B300	X

LNM 4M: rev. EN 22