CARBOFIL TENSIMAX 89

TOP FEATURES

- Optimized for ultra-high strength steel up to 1110 MPa and beyond
- Suited for critical loadbearing applications
- Offers superior mechanical properties and impact resistance

TYPICAL APPLICATIONS

- Mobile cranes
- High-strength and wear-resistant machinery
- Earthmoving equipment
- Defense technology
- Recycling machines: crushers, breakers

CLASSIFICATION

AWS A5.28	ER120S-G
EN ISO 16834-A	G 89 6 M21 Mn4Ni2CrMo

APPROVALS

CE

SHIELDING GASES (ACC. EN ISO 14175)

M21	Mixed gas Ar+ 15-25% CO_2

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

C	Mn	Si	P	S	Ni	Cr	Mo
0.09	1.8	0.80	0.010	0.011	2.25	0.30	0.55

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition	Yield strength (MPa)	Tensile strength (MPa)	Elongation		Impact ISO-V (J) -60°C
					4d (%)	5d (%)	
Typical values	M21	AW	900	950	17	15	60

AW = As welded

AVAILABLE SIZES AND PACKAGING INFORMATION

Wire diameter (mm)	Packaging	Weight (kg)	Item number
1.0	SPOOL (BS300)	16.0	580611
1.2	SPOOL (BS300)	16.0	580612