

# MG-50

## Solid Wire for Gas Metal Arc Welding

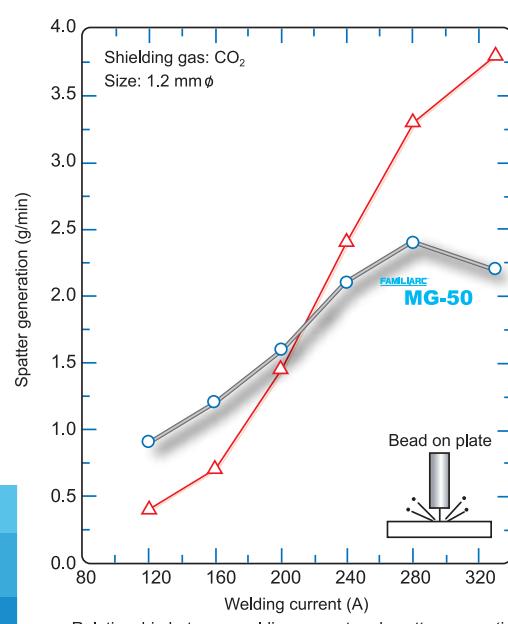


### Application

**FAMILIARC MG-50** is a solid wire suitable for butt or fillet welding of mild steel or 490 MPa high tensile strength steel. It is most suitable for thick section steel structures such as ships, vehicles, buildings, bridges, and industrial machinery.

### Features

- ◆ As higher currents are recommended, **FAMILIARC MG-50** provides higher efficiency in welding of thick plates in flat, horizontal and horizontal fillet welding.
- ◆ The arc is stronger and well spread, therefore, superior bead shape and deeper penetration can be obtained.
- ◆ The well-adhered copper plating without flakes and without rusting in long duration storage, glossy surface by special treatment, well-controlled cast and helix to make accurate tracking on the weld seam, rigid spool to prevent insertion of wire into the underlayer wire, these features assure smooth feeding of wire with stable arc, regular bead and higher efficiency in welding.



# MG-50

## Typical chemical composition of weld metal

C	Si	Mn	P	S	Ti+Zr	Shielding gas
0.04	0.73	1.64	0.010	0.010	0.22	CO <sub>2</sub>

## Typical mechanical properties

Yield point at 0.2% offset strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact value at -18°C (J)	Shielding gas
490	570	30	100	CO <sub>2</sub>

## Available sizes and unit weight

Size (mm)	0.8	0.9	1.0	1.2	1.4	1.6
Spool (kg)	20	20	20	20	20	20
Arrow pack (kg)	250	250	300	300	300	400

## Recommended welding current

Diameter (mm)		1.0	1.2	1.4	1.6
Amp	Flat	50-220	100-350	150-450	200-550
	Horizontal	50-200	100-300	150-350	200-400

## Shipping Approval

ABS	DNV	NK
3SA, 3YSA	III YMS	KSW53G(C)

### DISCLAIMER

- Information in this booklet such as chemical compositions and mechanical properties is typical or example for explaining the features and performance of our products, and it does not guarantee otherwise specified.
- Information contained herein is subject to change without notice. Please kindly contact KOBELCO for latest information

For Technical Consultation, please contact **Technical Service.**

KOBELCO MIG WIRE (THAILAND) CO.,LTD.

### Head Office and Factory

491 Moo 4 Soi 1 Bangpoo Industrial Estate, Sukhumvit Road, Praeksa, Muang, Samutprakarn 10280, Thailand

Tel : (+66)-2-324-0588~91 , Fax : (+66)-2-324-0797

Web site : <http://www.thaikobelco.com>

### Bangkok Office

10<sup>th</sup> Fl., Sathorn Thani II Building, 92/23 North Sathorn Road. Silom, Bangrak, Bangkok 10500, Thailand

Tel : (+66)-2-636-8650~2 , Fax : (+66)-2-636-8653



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