

FAMILIARC™ MX-100T

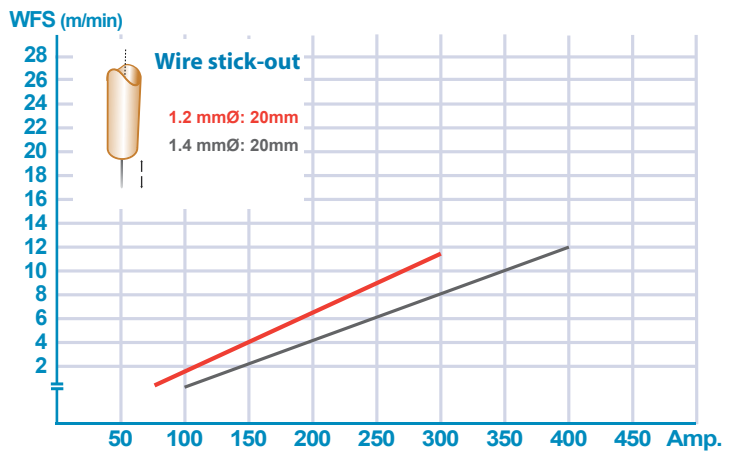
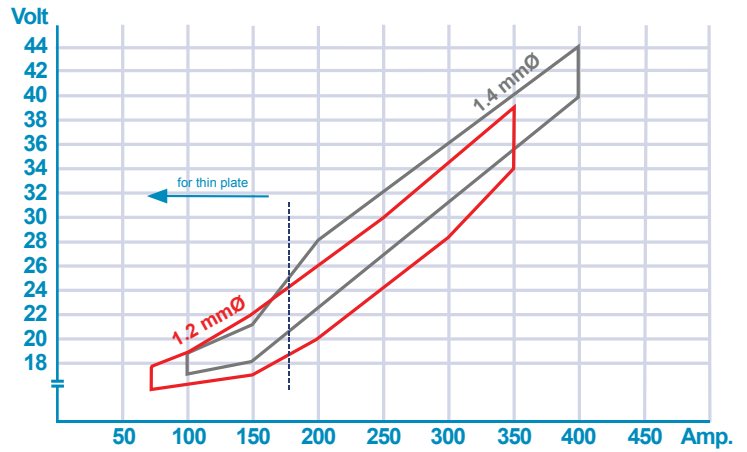
80%Ar - 20%CO₂ / 100%CO₂
 EN ISO 17632-A-T 42 2 M C/M 1 H5
 AWS A5.18 E70C-6C/6M

Description and Application

FAMILIARC™ MX-100T is an all positional metal cored wire. Thanks to its excellent arc re-striking characteristics combined with excellent wire feeding properties, this wire is very well suited for welding thin plates.

This wire is especially well suited for root passes without ceramic backing, for example in pipeline construction, which leads to significant increases in productivity when compared to the TIG or stick electrode process.

Recommended Parameter Range, for flat position*



* The above values and parameters are for all weld metal produced using 100%CO₂ shielding gas

Typical Chemical Analysis (wt. %)

Shielding gas	C	Si	Mn	P	S	Ni	Cr	Mo
100%CO ₂	0.08	0.49	1.53	0.013	0.015	-	-	-
80%Ar-20%CO ₂	0.07	0.61	1.75	0.011	0.014	-	-	-

Typical Mechanical Properties

Shielding gas	R _c (MPa)	R _m (MPa)	A ₅ (%)	CV(J)-20°C	CV(J)-30°C
100%CO ₂	480	560	31	71	62
80%Ar-20%CO ₂	500	605	28	73	65
Guarantee	min.420	500~640	min.20	min.47	min.27

Welding Positions



Approvals

LR	DNV	BV	GL	ABS	R.M.R.S	Others
3YS	IIYMS	SA3YM	3YS	3SA,3YSA	3Y40MS	TÜV,DB