

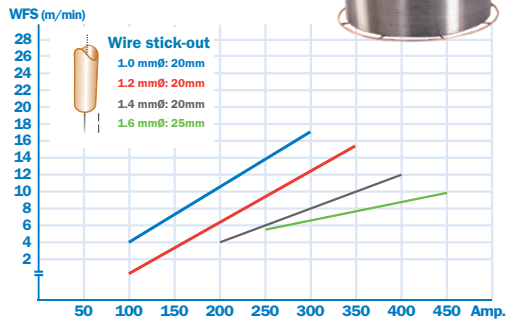
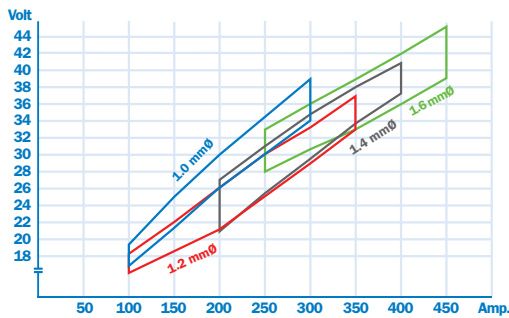
## Description and Application

**MX-A100** has a high percentage of metal powders in its core which provide many advantages over solid wire, such as high recovery together with high deposition rate. The deposition rate is often as much as 20% or more than that of solid wires, due to superior weldability enabling the use of higher welding currents. This wire operates with a very stable smooth arc giving very little spatter and deep penetration. Slag removal between runs is not necessary because this wire produces almost no silicate slag.

Thanks to its good arc re-striking characteristics combined with excellent wire feeding properties, this wire is an ideal choice for robotic or other kinds of mechanized welding applications.



### Recommended Parameter Range, for flat position



### Typical Chemical Analysis (wt. %)

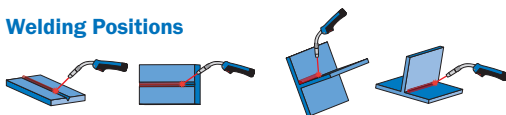
C	Si	Mn	P	S	Ni	Cr	Mo
0.05	0.63	1.58	0.017	0.011	-	-	-

### Typical Mechanical Properties

	R <sub>e</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	CV(J)-30°C	CV(J)-40°C
Guaranty	450	550	33	102	89
	min.420	500~640	min.20	min.47	min.47

Example of Diffusible hydrogen content: 2.8 [ml/100g]

### Welding Positions



### Approvals

LR	DNV	BV	ABS	R.M.R.S	Others
4YS H5	IV YMS H5	SA4YM HHH	4YSA H5	4YMS H5	TÜV, DB, RINA, CE