

Description and Application

MX-A55S is a metal cored wire that produces low hydrogen weld-metal with good mechanical properties.

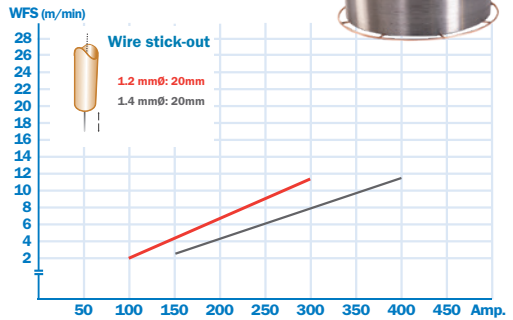
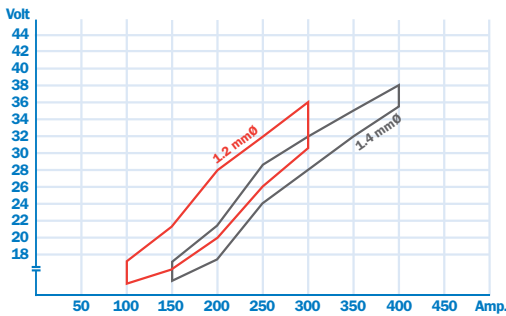
MX-A55S is designed for excellent weldability, it is easy to achieve a flat, shiny weld bead appearance.

This wire can achieve very low silicate slag amount on the weld bead surface.

This wire is very well suited for constructional steel work, ship building, bridge construction, tank building, etc.



Recommended Parameter Range, for flat position



Typical Chemical Analysis (wt. %)

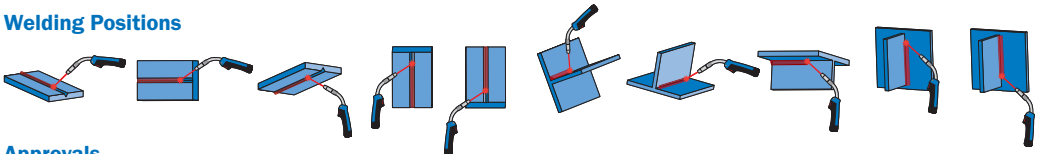
C	Si	Mn	P	S	Ni	Cr	Mo
0.07	0.87	1.63	0.009	0.008	-	-	-

Typical Mechanical Properties

	R _e (MPa)	R _m (MPa)	A ₅ (%)	CV(J)-30°C	CV(J)-40°C	CV(J)-50°C
Guaranty	490	610	29	120	100	80
	min.460	530-670	min.20	-	min.47	min.27

Example of Diffusible hydrogen content: 3.1 [ml/100g]

Welding Positions



Approvals

LR	DNV	BV	ABS	R.M.R.S	Others
4Y42S H5	IVY42MS H5	4Y42 H5	-	-	TÜV, DB, RINA, CE