DMRG45 - Steel / Low Alloy Rod for Oxyfuel Gas Welding

Classification: **RG45 AWS A5.2 / ASME SFA 5.2**

Characteristics & Application:

DURAMAX RG45 welding rods are used for the oxyfuel gas welding of steels, where the minimum tensile strength requirement of the steel does not exceed 45 ksi (300 MPa).

DMRG45 rods have a low carbon steel composition.

DMRG45 may be used to join wrought Iron and are a general purpose oxyfuel gas welding rod.

Typical Chemical Composition of Wire (%)

C	Mn	Si	S	P
0.08 max	0.50 max	0.10 max	0.04 max	0.035 max
Ni	**Cr**	**Mo**	**Al**	**Cu**
0.30 max	0.20 max	0.30 max	0.02 max	0.30 max

Typical Mechanical Properties of All-Weld-Metal.

Gas	Yield MPa	Tensile MPa	Elongation %	Notes:
OXYFUEL	----	----	----	Not Specified

Recommended Welding

DURAMAX RG45 may be used either forehand or backhand welding. Use a neutral flame or with a slight excess of acetylene. In the making of it is possible to produce a weld with a composition intermediate between those of the base metal and the filler metal.