

DMRG45 - STEEL / LOW ALLOY ROD FOR OXYFUEL GAS WELDING

Product: RG45

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	Ni	Cr	Mo	Al	Cu
0.08 max	0.50 max	0.10 max	0.04 max	0.035 max	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.

If additional information is needed visit us on the web at www.duramaxwelding.com or call 800-692-5930