

# Oxy-Acetylene Gas Welding Rods

For mild steel

KS D 7005  
JIS Z3201

## Applications

For oxy-acetylene gas welding of mild steel.

## Characteristics

As weld metal consists less non-metallic inclusions and dissolved gas, melting state and mechanical properties are excellent.

## Dimensions of welding rod (mm)

Dia.	1.0, 1.6, 2.0, 2.6, 3.2, 4.0, 5.0, 6.0
Length	1,000

## Typical chemical composition of welding rod (%)

P	S	Cu
0.040 max.	0.040 max.	0.30 max.

## Typical mechanical properties of weld metal

Product name	Treatment of test specimen	TS N/mm <sup>2</sup> (kgf/mm <sup>2</sup> ) min.	EL (%) min.
CGA 46	SR	450 (46)	20
	NSR	500 (51)	17
CGA 43	SR	420 (43)	25
	NSR	430 (44)	20
CGA 35	SR	340 (35)	28
	NSR	360 (37)	23
CGB 46	SR	450 (46)	18
	NSR	500 (51)	15
CGB 43	SR	420 (43)	20
	NSR	430 (44)	15
CGB 35	SR	340 (35)	20
	NSR	360 (37)	15
CGB 32	NSR	310 (32)	15

• SR : Stress relief, NSR : Non stress relief