

# Weld G-965

## Gas Metal Arc Welding Wire



### PRODUCT DESCRIPTION

Weld G-965 deposit is a general-purpose hardfacing alloy that offers a good balance of impact and abrasion resistance. It can be used in both metal-to-metal and metal-to-earth applications. Deposits are martensitic and forgeable but not readily machinable. It can be applied to carbon, low alloy, and manganese steels. It is magnetic on carbon and low alloy steels.

### TYPICAL DEPOSIT CHARACTERISTICS

|                                   |      |
|-----------------------------------|------|
| Abrasion Resistance               | Good |
| Impact Resistance                 | Good |
| Hardness on 0.2 Carbon Steel, HRC | 56   |
| Deposit Layers                    | 2    |
| Magnetic:                         |      |
| On Low Alloy and Carbon Steel     | Yes  |
| On Manganese Steel                | No   |
| Surface Cross Checks              | No   |

### ALLOY TYPE(Typical value%)

Martensitic Tool Steel

| C   | Si  | Mn  | Cr  | Mo  | Other | Fe  |
|-----|-----|-----|-----|-----|-------|-----|
| 0.6 | 0.6 | 1.8 | 6.0 | 0.8 | ≤ 0.5 | Bal |

### STANDARDS & EQUIVALENCE

EN 14700 : T Fe8  
DIN 8555 : MF 6-60-GP

### OPERATIONAL CHARACTERISTICS / WELDING PARAMETERS (DCEP)

|                      |                          |
|----------------------|--------------------------|
| Diameter, (mm)       | 1.6                      |
| Current DCEP, amp    | 200 - 300                |
| Voltage (volts)      | 22 - 31                  |
| Wire Extension, (mm) | 12 - 25                  |
| Shielding Gas        | 75%Ar+25%CO <sub>2</sub> |
| Position             | Flat or Horizontal       |

### STANDARD SIZES & PACKAGING

| Diameter | Packaging             | Part No   |
|----------|-----------------------|-----------|
| 1.6 mm   | 12.5kg/ Plastic Spool | EWG96516E |

### TYPICAL APPLICATIONS

- Tillage tools
- Drag line bucket lips
- Tamper feet
- Dredge parts
- Extruder screws
- Muller tires
- Hardbanding



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