

| Classifications | | | | | | | | | |
|--|--------------------------------|----------------------|---|-------------------------|-----|--|--|--|--|
| EN14700 | | | | | | | | | |
| T Fe7 | | | | | | | | | |
| Characteristics and typical fields of application | | | | | | | | | |
| <ul style="list-style-type: none"> • Gas-shielded flux cored wire. • Hardfacing of steel parts subjected to adhesive wear with corrosion and impact. • Suited for hydro turbines components for power generation... | | | | | | | | | |
| Typical analysis of all-weld metal | | | | | | | | | |
| C | Si | Mn | Cr | Mo | Ni | | | | |
| 0.04 | 0.5 | 1.0 | 17.0 | 1.0 | 5.5 | | | | |
| Mechanical properties of all-weld metal – typical values (min. values) | | | | | | | | | |
| | PWHT | Shield gas | As Welded | Work-hardened | | | | | |
| | (°C/h) | | (HRC) | (HRC) | | | | | |
| Typical | | | 37 | | | | | | |
| Guarantee | | | 35-40 | | | | | | |
| General Characteristics | | | | | | | | | |
| Microstructure | Machinability | Oxyacetylene cutting | Deposit thickness | Shield gas | | | | | |
| Martensite+ Ferrite | Good with carbide tipped tools | Cannot be flame out | Depends upon application and procedure used | 2%O ₂ +98%Ar | | | | | |
| Operating Data | | | | | | | | | |
| Dia.(mm) | Current(A) | Voltage(V) | Stick-out(mm) | | | | | | |
| 1.2 | 150-250 | 22-30 | 20 max | | | | | | |