

SPECIAL ALLOYS FOR MAINTENANCE & REPAIR

ANTI-WEAR PROTECTION

Against Pressure and Impact Using Gold Electrodes

PRODUCT GOLD : 1015



| Descriptions | Technical Details | Ømm | List Price /kg |
|--|--|-----|----------------|
| Especially for rebuilding edges of cutting tools, knives, shear blades, drills, punching dies, press tools, forging hammers, and other parts subjected to metal to metal wear up to 550°C. Weld Deposit is machinable. | Hardness : ~45-50 HRC Weld Metal Analyse : Cr, V, W | 2.6 | 3.2 |
| | | 3.2 | |

PRODUCT GOLD : 740



| Descriptions | Technical Details | Ømm | List Price /kg |
|---|---|-----|----------------|
| Manganese alloy electrode for overlays which are subjected to extreme impact. The overlay has a strong work hardening tendency, is highly crack resistant and the thickness is not limited. One or two final layers with Gold 750 increase the abrasion resistance. | Hardness : ~250 HB After work hardening ~480 HB Weld Metal Analyse : Mn, Cr, Ni, Fe, Si | 3.2 | 4.0 |
| | | 4.0 | |
| | | 4.0 | |

ELECTRODES

For Abrasion, Heat, Metal/
Metal Wear-Corrosion Tools and Dies

FOR HIGH TEMPERATURE COMBINED WEAR PRODUCT GOLD : 1045 (770)



| Descriptions | Technical Details | Ømm | List Price /kg |
|--|--|-----|----------------|
| Electrode with a complex Co-Cr composition alloyed with W for surfacing of parts which are subjected to a combination of metal / metal wear, corrosion and heat up to 800°C and shortly up to 1000°C. For valve seats, hot forging tools, screws.... | Hardness : ~ 42-45 HRC at 20°C 38 HRC at 60°C Weld Metal : Cobalt Base, Tungsten, Chrome, Iron | 3.2 | 4.0 |
| | | 4.0 | |
| | | 4.0 | |