



788-G

TUNGSTEN—NICKEL-BORON WIRE AGAINST EXTREME ABRASION (HF 5000)

- ◆ **Self fluxing, flexible tungsten/ nickel/ torch brazing alloy producing an extremely hard , corrosion and wear resistant overlay.**
- ◆ For overlay of screws, augers and coils of all types requiring high hardness.
- ◆ Building up and protecting wear plates, guides, heat treating baskets,
- ◆ For **stabilizers blades (oil well drilling)**, sugar cane blades and combs , wood debarker knives, paper and textile cutters, lower radial bearings, mixer blades, and other parts requiring good edge retention characteristics.
- ◆ Deposits can be finished by grinding .
- ◆ Enriched microstructure of deposits (**borides, carbides, tungsten and silicide** provides extremely high resistance to any combination of friction, abrasion, compressive loading, heat and corrosion,
- ◆ **Non-cracking of deposit as opposed to other tungsten carbide products.**
- ◆ Recommended Deposit thickness: up to 10 mm
- ◆ Made for application with **oxy-acetylene flame**. Low melting range (950-1050 °C)

TECHNICAL DATA :

| FTC Hardness | Grain size mm |
|-----------------------|------------------------|
| 2200-2360 HV | 0.7-1.2 |
| Carbide content ~65 % | Other sizes on request |

NiCrBSi –Matrix : 420-460 HV

FORM OF DELIVERY/PACKING

WIRE ON WOOD OR PLASTIC SPOOLS

| Ø [mm] | Wire spool weight [kg] |
|--------|------------------------|
| 4,00 | 10/ 15 |
| 5,00 | 10/15 |
| 6,00 * | 10/15 |
| 8,00 | 10/ 15 |

HARDFACE STABILIZERS



Disclaimer:
 The information and data presented herein are typical or average values. Application suggested are made solely for the purpose of illustration to enable the reader to make his own valuation and are not intended as warranties.
 Arcwel reserves the right to alter specification without further notice.
 Health & Safety : Observe safety regulations (fumes) MSDS available on request
www.arcwel.com E-mail. office@arcwel.com April 2022