

**Technical  
data sheet**

EN220724GB

Laser cladding cored wire

**HARDFACE HC-LD****CLASSIFICATION**

EN 14700: T Fe15

**DESCRIPTION**

- Highly alloyed steel with hard phases metal cored wire developed for laser cladding
- High chromium cast iron deposit containing a high proportion of hard primary chromium carbides in a tough austenitic matrix
- Produces attractive weld bead appearance with minimal silicate island, with low fume emissions and spatter
- The deposit is suitable for hardfacing components subject to extremely severe abrasive wear and moderate impact

**APPLICATIONS**

HARDFACE HC-LD is used for hardfacing components subject to wear by earth, sand and abrasives

**Examples**

Gyratory crusher cones and mantles, catalyst pipes and valves, slurry pipes and valve bodies, dredge pump bodies, sand dredge parts, extruder screws, "barmac" crushers, mining and earthmoving equipment, blast furnace bells, brick muller tyres, crusher hammers and rolls, riddle plates, wear plates, drag line components, screw conveyors for cement, cone knives and shredders, etc.

Relief checking is normal and does not affect the properties of the deposit

**TYPICAL ALL-WELD METAL ANALYSIS**

C	Mn	Si	Cr
5.0	0.2	1.5	27.0

Structure: primary carbides and eutectic carbides of the  $M_7C_3$  type in an austenitic matrix**TYPICAL ALL-WELD METAL MECHANICAL PROPERTIES**

Hardness: from the first layer on mild steel: 58 - 64 HRC

**PACKAGING**

Diameter	1.2 - 1.6 mm
Standard packaging (EN ISO 544)	BS 300 spool
Weight	15 kg

Other packaging and other diameters: please consult us