


<b>Technical data sheet</b>  <small>EN160125GB</small>	<b>Laser cladding cored wire</b> <b>HARDFACE BN-LD</b>	 <b>Welding Alloys</b>
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#### CLASSIFICATION

EN 14700: T Z Fe13

#### DESCRIPTION

- Highly alloyed steel with hard phases metal cored wire developed for laser cladding
- The deposit contains boron carbides and borides, which provide very good abrasion resistance combined with moderate impact resistance
- Produces attractive weld bead appearance with minimal silicate island, with low fume emissions and spatter
- Recommended for single layer application

#### APPLICATIONS

HARDFACE BN-LD is used for hardfacing components subject to wear by earth, sand and abrasives in the agricultural, quarrying, mining, and public works fields

#### Examples

Mixer shafts, impellers, buckets, shovels, transport screws and crushers for the concrete industry, ect.

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

#### TYPICAL ALL-WELD METAL ANALYSIS

C	Mn	Si	Ni	B	Fe
0.5	0.9	0.6	2.0	4.5	Bal.

Structure: hard borides in a eutectic matrix.

#### TYPICAL ALL-WELD METAL MECHANICAL PROPERTIES

Hardness:

Single-layer deposit on mild steel: 60 - 65 HRC

#### PACKAGING

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

Other packaging and other diameters: please consult us