



Gear

## Ni - B - Si system offers combination of wear, toughness, hardness and machinability

### Typical Applications:

Shafts, gears, gauges, tools, valve pumps, feed rolls, moulds, splines, rear axle tubes.

### Outstanding Features:

- Superior toughness.
- Unlimited build-up capability.
- Good weldability.
- Excellent machinability with carbide tools.
- Low coefficient of friction.

### Recommendation:

EWAC 1003 EBZ is designed to produce deposits for wide range of service conditions. Coatings combine substantial hardness with overall toughness to resist most combinations of friction, abrasion and impact. This alloy can be used either as thin overlay or for multiple pass applications on steels, SS, nickel alloys and cast iron. EWAC 1003 EBZ is also recommended where parts may be subjected to corrosion from steam, sea water and / or other chemical agents.

**Hardness:** 36 - 42 HRC