

GKP (W-YW)

An innovative steel for very deep nitriding

A technical brochure dedicated to GKP (W-YW) is now available.

Nitriding solutions offer very hard surfaces, high compressive stresses and therefore high fatigue properties. Nevertheless, the nitriding depth is often limited to 500 microns which is not suitable for numerous applications.

Aubert & Duval has developed a new nitriding grade, GKP, which offers:

- deeper nitriding depth (up to 1 mm)
- or reduced nitriding time for given depth
- increased removal stock for grinding or repairs.

GKP is used and tested in industrial fields such as aerospace, motor racing and transmissions.

Different parts have already been produced:

- Heavily loaded gears and bearings
- Crankshafts

This grade offers the following advantages:

- Capable of very deep nitriding.
- High ductility and fracture toughness.

You will find, attached, a .pdf version of the brochure, for your own use/reference only. Customers' copies can be ordered at the following e-mail address documentation-ad@eramet-aubertduval.com.

Franck DEVILDER