

Going deeper.

BALINIT coatings for extremely wear-resistant oil and gas drills and pumps.



Oil & Gas



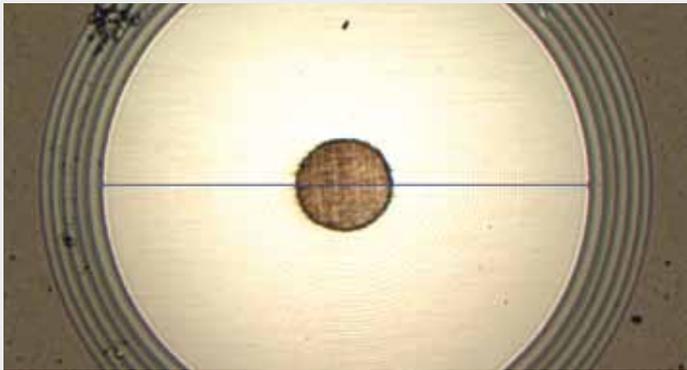
BALINIT DLC is the unmatched combination against friction and abrasion.

BALINIT® DLC coatings are the state-of-the-art solution for precision components in the automotive industry and in mechanical engineering. The typical coating thickness range for precision parts like wrist pins or parts in fuel injection systems is 1 to 3 micrometres. The oil and gas industry,

however, benefits from multilayered DLC coatings with a thickness of 10 to 30 micrometres, combining exceptionally low friction with extreme coating hardness. The result is very high abrasion resistance for drilling joints and pump couplings.

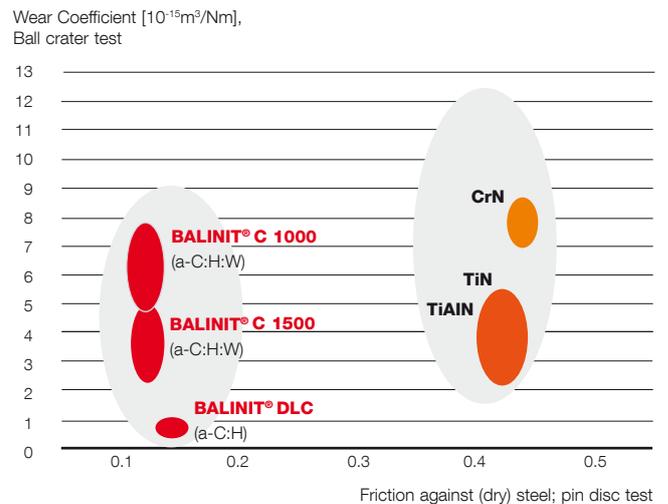
Benefit now from less friction and higher abrasive wear resistance:

Calo test of very thick multilayered CNI DLC coating



White
15 µm CNI (sputtered chromium nitride)
Grey lamellas
7 µm multi-part layer of alternating DLC and CNI sublayers

DLC: a unique approach for low friction and high wear resistance



Your advantages with BALINIT DLC coated drill and pump components:

- Less friction against steel walls allowing less drilling torque
- A unique combination of seizure resistance and abrasive wear resistance due to high hardness and low friction
- Longer service life of pump components

We recommend: BALINIT DLC for more durability.

	BALINIT® DLC
Coating material	a-c:H
Micro hardness (HK 0.01)	2,500
Typical thickness	10-30 µm
Coefficient of friction µ against steel (dry)	0.1 - 0.2
Colour	Black

There's much more to talk about – please get in touch to discuss how we can help you to improve your business.