

CARBON-X[®]

Low friction even under tough conditions

CARBON-X is the new low-friction a-C:H based DLC coating from voestalpine eifeler. Thanks to its high hardness, this coating is the right choice for applications where high abrasive wear occurs and softer low-friction coatings reach their limits. The use of CARBON-X also efficiently reduces adhesions on tools. The systematic build-up of layers combines multiple advantages of an a-C:H coating to ensure trouble-free tool performance, even under tough conditions.

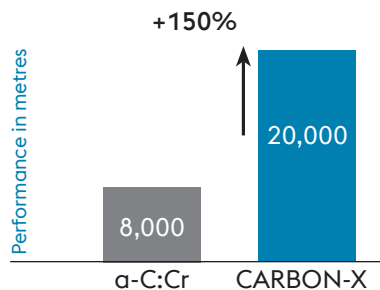
PRODUCT FEATURES

- » Maximum wear resistance due to high coating hardness
- » Low friction coefficients and reduced adhesions
- » High tool performance and long service life
- » With CARBON-X up to 2.5 times longer wearing compared to an alternative a-C:Cr layer

APPLICATIONS

Cutting	Non-ferrous metals
Cutting/ forming	Non-ferrous metals Cold forming
Other	Plastic injection Components

FORMING CORES: INCREASED PERFORMANCE +150%



Source: Tool manufacturer in Germany

COATING PROPERTIES

Hardness	2,400 ± 400 HV
Max. application temperature	325 °C / 617 °F
Coefficient of friction against steel	0.05 - 0.15
Coating thicknesses	1.5 - 2.5 µm
Colour	dark grey

