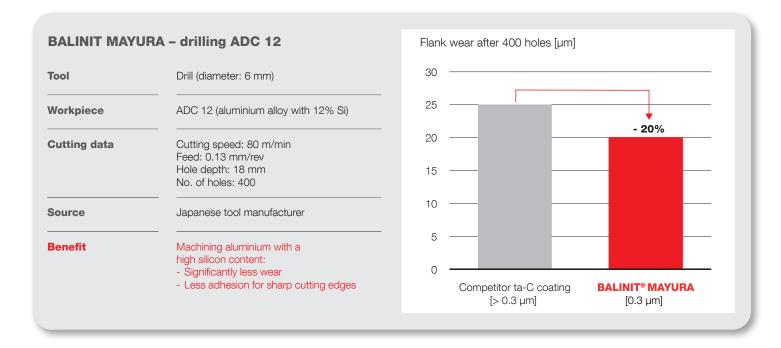


# **BALINIT MAYURA** – the next generation of carbon-based coatings for machining non-ferrous materials

BALINIT® MAYURA catches the eye with its brilliant colours, and reveals its true value in the demanding machining of non-ferrous materials and polymers: the ta-C coating is harder and smoother than previous coatings, and at the same time extremely thin. This minimises material adhesion and ensures cutting edges remain sharp.

Tool manufacturers and end users benefit from increased tool life, maximum precision and higher productivity in the manufacturing process. BALINIT® MAYURA takes machining non-ferrous materials to the next level, whether it's aluminium alloys with up to 12% silicon content, copper and brass alloys, or polymers.



## **Outstanding coating properties ...**

# Coating material ta-C Coating hardness H<sub>rr</sub> [GPa] > 65 Coefficient of friction (dry) Max. service temperature [°C] Coating thickness [µm] Coating temperature [°C] Coating colour Coating colour

## ... for challenging applications

### Taking your machining to the next level

- Aluminium alloys < 12% Si (milling, drilling, turning, threading)
- Polymers (milling, drilling, turning)
- Copper (milling, drilling, turning, threading)



Discover how BALINIT MAYURA boosts performance. Contact us now!

<sup>\*</sup> Variations in colour depend on tool dimensions, applications and geometry. All given data are approximate values and depend on application, environment and test conditions.