

MpC_3

(Multipurpose Coating)



Application:

- + Aluminum and aluminum alloys with less than 8% silicon
- + Non-ferrous metals (e.g., bronze, copper, brass, silver, etc.)
- + Stainless steel

Benefits:

- + Multifunctional tool usage enabled by targeted microalloying
- + Adaptive coating behavior through nano-lamellar layer architecture
- + Low tendency for cold welding and built-up edge formation due to low friction coefficient and surface roughness
- + High wear and abrasion resistance
- + Excellent sliding properties

Coating Properties

Coating Material	based on (Ti,Al,X)N
Microhardness	3.200 HV _{0,05}
Maximum Operating Temperature	> 1.000 °C
Coefficient of Friction against Steel (dry)	0,2
Coating Thickness at Cutting Edge	3 µm
Coating Architecture	nano lamellar

All specifications are subject to the respective testing and application conditions.

