

A smart blend of materials to combat aggressive dust particles

Venti
Wear Protection

For high-wear areas, we rely on proven and combined hard-surface solutions:

VentiWear	Hard Material	Matrix	Operating temperature	Surface Hardness RT	Special Features
100	Chromium Carbides	Fe	250 °C	59 HRc	
150	Chromium and Niobium Carbides	Fe	250 °C	61 HRc	
170	Chromium Carbides, Boron	Fe	250 °C	62 HRc	
200	Chromium Carbides, Mo	Fe	500 °C	62 HRc	Hot hardness 61 HRc at 450 °C
210	Chromium Carbides, Mo	Fe	350 °C	59 HRc	Hot hardness 50 HRc at 350 °C
300	Chromium Carbides, Borides	Fe	250 °C	57 HRc	Low-crack
310	Chromium Carbides	Fe	600 °C	68 HRc	Hot hardness 65 HRc at 500 °C
500	Fused Tungsten Carbide	NiBSi	500 °C	50 HRc	Limited corrosion resistance
600	Chromium Carbide	Fe	250 °C	55 HRc	Limited corrosion resistance
800	Fused Tungsten Carbides, Tungsten Carbides	NiCrBSi	250 °C*	55 HRc	Low-crack, limited corrosion resistance
1000	Tungsten Carbides	Co	250 °C**	1350 HV1	Special design for hot gas up to 450 °C

* Depends on the base material, as it is sintered at 1100 °C; ** Depends on the fastening method