



**Sintered**-alloy block for cutting of dental prostheses by CAD/CAM systems



# freemill

Sintered-alloy block for cutting of dental prostheses by CAD/CAM systems



- Premium Ni-Cr alloy block with high ductility for CAD/CAM systems
- Enhancing cutting ability by proprietary powder metallurgical techniques
- Easy grinding and polishing operations
- Applicable using all known welding methods and laser welding
- Excellent bonding capability with dental ceramics and high bond strength to ceramics ★bond strength ▶ **56 MPa**



Nominal alloy composition		Practical properties	
Ni	Bal.	Colour	Silver
Cr	26.0 %	Melting interval	1329-1372 (°C)
Mo	10.5 %	Vickers hardness	142 (HV10)
Si	1.5 %	Modulus of elasticity	129 (GPa)
Others	<1.0 %	Yield strength	293 (MPa)
▶ This alloy is beryllium free.		Tensile strength	522 (MPa)
		Yield elongation	16 (%)
		Density	7.6 (g/cm <sup>3</sup> )



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