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Stellite 6K

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STELLITE® 6K

Composition:

Co:	Ni:	Fe:	Al:	B:	C:	Cr:
Bal	max. 3	max. 3			1.6	31
Mn:	Mo:	P:	S:	Si:	Ti:	W:
1	1.5			2		4.5

Typical Hardness:
47Rockwell "C"

Typical Applications:

STELLITE® 6K is a cobalt-based alloy with outstanding resistance to most types of wear. Their wear resistance is inherent. It is a "built-in" characteristic and not the result of heat-treatment, plating, nitriding or other methods used to produce a superficial hardness on metal parts. High temperatures have little effect on the hardness, toughness or dimensional stability of 6K. It is resistant to atmospheric oxidation at both low and elevated temperature; outstanding in severe conditions of wear combined with corrosion and/or high temperature. 6K has greater abrasion resistance and lower ductility than 6B.

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