



RSALLOYS

HOLDING GROUP

AZIENDA CERTIFICATA
ISO 9001

CARBIDE

METALLO DURO

Zapp Z-G200K-HM

SCHEDA TECNICA

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ZAPP ALLOY - Z-G200K-HM

ISO - CODE, ISO 513 - G20

Typical Chemical Composition (Weight-%)

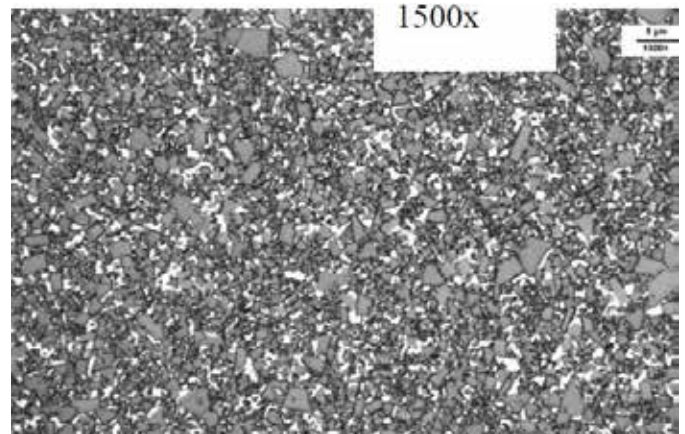
Element	Weight %
Wc	Essential part
Co	11%

SPECIAL PROPERTIES

Wear -resistant and robust carbide grade, optimized for the Wire EDM Process, with good all -round properties, ideal compromise between flexural strength and wear resistance.

Industry	Weight %
Sheet metal working industry & automotive	EDM blocks, bushings and punches for punching and cutting thin sheet and strips
Electronics industry	EDM blocks, bushings and punches for punching and cutting of electrical sheets, fuel cells
Powder processing industry	Components for mixing and crushing, parts for powder pressing tools

Typical Microstructure Carbide Z-G200K - HM



Grade Classification

Grade	Z-G200K-HM
Average grain size(μm)	1.6
Grain Size classification	medium/fine
Porosity, ISO 4505	A02, B00, C00
Density (g/cm ³), ISO 3369	14.40
Hardness HV 30	1,150
Hardness HRA	88
Compressive strength(MPa), ISO 4506	4,900
Fracture toughnessKIC (MPa*m ^{1/2})	12.0
Transvers rupture strength (MPa,)ISO 3327	2,430