



RSALLOYS

HOLDING GROUP

AZIENDA CERTIFICATA
ISO 9001

CARBIDE

METALLO DURO

Zapp Z-G200K-HM

SCHEDA TECNICA

Zapp Z-G200K-HM

ZAPP ALLOY - Z-G200K-HM

ISO - CODE, ISO 513
- G20

Typical C hemical Composition (Weight-%)

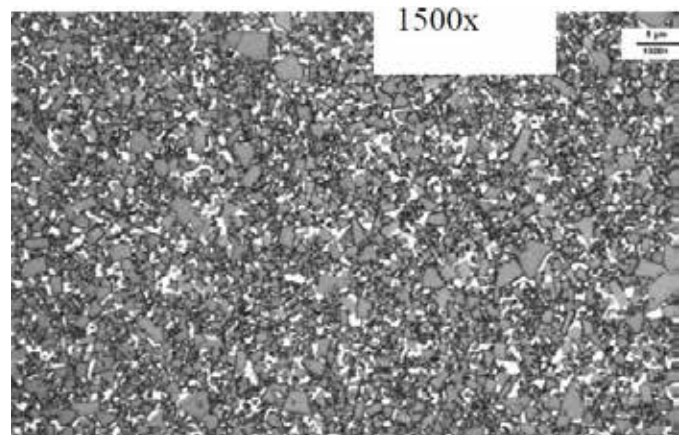
| Element | Weight % |
|---------|----------------|
| Wc | Essential part |
| Co | 11% |

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 | 1,450 |
| 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 |