

Zapp Z-G300F-HM

Zapp Alloy

- Z-G300F-HM

ISO-Code, ISO 513

- G30

Typical Chemical Composition (Weight-%)

Element	Weight %
WC	essential part
Co	15 %

Special Properties

wear-resistant carbide, fine grain grade, ideal for screw manufacturing and general forming tasks, deep drawing and collar drawing of sheet metal.

Industry	Suitable for
sheet metal working industry & automotive	EDM blocks, bushings and punches for punching and cutting thin sheets & strips
recycling and shredding technology	components for crushing and shredding technology
forming & Automotive	tooling parts for screw, rivet, spring, wire & tube manufacturing

Typical Microstructure Carbide Z-G300F-HM



Grade Classification

Grade	Z-G300F-HM
Average grain size(μm)	1.0
Grain Size classification	fine
Porosity, ISO 4505	A04, B02, C00
Density (g/cm ³), ISO 3369	13.95
Hardness HV 30	1,255
Hardness HRA	89
Compressive strength(MPa), ISO 4506	5,000
Fracture toughnessKIC (MPa*m ^{1/2})	13.5
Transvers rupture strength (MPa)ISO 3327	3,200