

Coolant Nozzle Housing



Company: Iscar

Application Sector: Cutting Tools



Requirements: This High pressure coolant accessory for external turning cutting tools works under extreme conditions but needs to be mass produced in to high tolerances. The previous production technology was machining

Benefits: By using MIM technology coupled to heat treatment this has enabled in comparison with machining a parts cost reduction of more than 45% with similar physical properties using 4340 steel.

Final weight: 13g

Product tensile strength: 1640MPa

Product hardness: 42-45HRC

Product elongation: 3%

Process steps: MIM, Heat Treatment



NEW