Synchroniser Hub

Company: PMG Füssen GmbH

Application Sector: Automotive

Requirements: This part is unusually large compared to typical synchronizer hubs. This part is designed and manufactured for high torque applications using a press and sinter process without secondary hardening (sinter hardening material) and very little machining.

Benefits: Conventional synchroniser hubs have their splines broached; this expensive process step is not needed with PM technology, thus enabling a cost saving to be passed on to the customer.

Density (g/cm3): max 6.95
Tensile Strength: 820MPa
Hardness: min 330 HV5
Final Weight: 720g
Finishing: Annealing, Machining, Brushing

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