



KGC

Grey Iron Castings

Grey Iron Casting

Grey iron is a relatively inexpensive and effective material for many engineering applications. It differs from other forms of cast iron in that the excess carbon in solution, any amount beyond the saturation point of the metal, has precipitated out in the



form of graphite flakes that are imbedded within the metallic matrix. This unique structure allows cast components to readily absorb vibrations and possess a self-lubricating quality. However, the graphite flakes, by forming stress concentration points, also tend to make grey iron more brittle than other metallic engineering materials.



Water Pump Body



Used in
Automobiles

Name of the job	Radial Bearing Housing	Water Pump Body
Type of Casting	Grey Iron Castings (Stress Release)	Grey Iron Castings
Specification	AA 19703	B. S. Gd 14
Weight	380.0	3.5
Customer	BHEL	Simpson & Co
Application	Bowl Mill	For Automobile Engine



Exhaust Manifold

Used in
Automobiles



Name of the job	P6 Engine Exhaust Manifold	Body Of Bearing Case
Type of Casting	Grey Iron Castings	Grey Iron Castings
Specification	B. S. S. Gd 14	IS 210FG200
Weight	5.0	54.0
Customer	Simpson & Co	BHEL
Application	Tractor Industry	Industrial Fan

Body Of Bearing Case

