

**Starter Motor**  
**Type : GBS5**  
**24V - 4.5 kW**



**APPLICATION :**

The Axial Starter is designed for use on diesel engines upto 6 litres capacity.

**RATINGS :**

**Electrical**

System Voltage : 12 Volts

**Thermal :**

Operating Temperature range : -5°C to +93°C

**CHARACTERISTICS :**

Performance : The typical power lock torque and run torque values are as stated below

Power Output : 4.5 Kw

Lock Torque : 6.2kg.m (min.) at 1200 Amps (Max.) Volts and current 900 Amps (max) and 11 Volts

Run Torque : 3.5kg.m. (min.) at 700 Amps. (max.) 16 volts and 1050 (min.)

Dimension : Principal dimensions are given overleaf. Fully detailed drawing available on request.

Weight : Approx. 16 kgs

**FEATURES :**

**Mounting**

Fixing to be rigidly mounted in a spigot location (for flange mounting only) adjacent to the fly wheel with SAE 3 flange, or fixing arrangement to meet customer's requirement

**Pinion :**

Standard pinion form 11 teeth, 8/10 DP-20° Pressure angle. Alternative pinion forms to suit specific applications by arrangement.

Rotating : Clockwise when viewed from drive end.

**Termination :**

**Stud Terminations:**

Main : M10 X 1.5  
Solenoid : M6 X 1  
Solenoid : BBNG-1 24V Switch

**Enclosures :**

Normal against water splash. Special enclosures available for wet clutch application.

