MM DEAD AXLE (Dummy Motor)

A DC motor clamp or a bracket is used to mount the motor tightly on any solid surface. Thus it increases the usability of the motor & makes motor mounting very convenient. This clamp or mount bracket is designed for DC Geared Motors.

Material Used:

• Stainless steel does not readily corrode, rust or stain with water as ordinary steel does, but despite the name it is not fully stain-proof, most notably under low oxygen, high salinity, or poor circulation environments .

• High oxidation-resistance in air at ambient temperature is normally achieved with additions of a minimum of 13% (by weight) chromium, and up to 26% is used for harsh environments. The chromium forms a passivation layer of chromium (III) oxide (Cr_2O_3) when exposed to oxygen. The layer is too thin to be visible, and the metal remains lustrous. The layer is impervious to water and air, protecting the metal beneath. Also, this

layer quickly reforms when the surface is scratched. This phenomenon is called passivation and is seen in other metals, such as aluminum and titanium.

Specifications:

- Material: MS steel
- Thickness: 2mm thick
- Motor mounting side - Height 41 mm, width 39 mm;
- Bracket mounting side - Height 22 mm, width 39 mm
- Hole for Motor mounting: 1- 14mm diameter
- Holes for chassis mounting: 3 - 3mm diameter each
- 6 standard size mounting holes for Chassis give enough strength to the joint.

One advantage of a motor mounting block is that it provides a lot of faces and places to attach it to the robot or project. Some disadvantages are that a mounting block takes up space and adds weight.

This clamp-based mounting block is suited for a variety of robots, test equipment, and mechanical contraptions. It's surprisingly easy to make for small motors.

Application:

The clamp can be used to position DC motor anywhere on a solid flat surface making it very convenient to use for any customized product or device. They have been used regularly in automation robots in industries. It can be used for your project or competition Robot too.