

SR.NO DRUM BRAKE



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Working Method: A drum brake works on that uses the Friction caused by a set of shoes or pads that press outwards against a rotating part called as the brake drum.

2 **Heat Dissipation:** Poor heat dissipation

3 **WEIGHT:** Weight is more as it consists of many parts.

4 **Self-Locking:** A drum brake is self-locking.

5 **Torque transmission time:** torque Transmission time Is less in the case of the drum brake

6 **High-Temperature performance:** At higher temperature it's performance gets reduced

7 **Wear Of Friction Pads:** Nonuniform wear due to curved friction lining

8 **Anti-Fade Characteristic:** Good anti-fade characteristic.

9 **Maintenance** Replacement of the friction pads is difficult and a time-consuming process.

10 **INITIAL Cost:** Initial cost is low

11 **Effectiveness& Safety:** Drum brake is less effective and less safe as compared to the Disk brake.

12 **Application:** Mostly the heavy-duty vehicles and normal vehicles have drum brake either at

DISK BRAKE



Working Method: It is a type of vehicle break employing the friction of pads against a disk that is attached to the wheel.

Heat Dissipation: High heat dissipation

WEIGHT: Weight is less as it consists of fewer parts as compared to the drum braking system.

Self-Locking: A disk brake is not self-locking.

Torque transmission Time: Torque transmission time is high in the case of the disk brake.

High-Temperature performance: At higher temperatures also it's performance is normal.

Wear Of Friction Pads: Uniform wear due to flat friction pads.

Anti-Fade Characteristic: Better anti-fade characteristic.

Maintenance: Replacement of the friction pads is an easy and fast process.

INITIAL Cost: Initial cost is high.

Effectiveness & Safety: Disk brake is more effective and safe as compared to the Drum brake.

Application: Disk brakes are mostly used in high-speed vehicles and modern bikes mostly have disk

the rear or the front wheel and in some cases, breaks in them. Normal vehicles do have disk
both may have drum brake. breaks.