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# TT131

## SINTERED FRICTION MATERIAL

TT131 is a bronze/brass based sprinkled sintered friction material for wet running applications. This friction lining was designed to provide stable friction values under high surface pressure at low speed. Also to meet environmental needs it is

- Good wear resistance
- Stable coefficient of friction under high load
- High mechanical strength
- Excellent friction stability in high performance oils

### Material Data

#### Typical Applications

- Differential clutches
- High load clutches

#### Mating Material

- Surface finish < 2.0 $\mu$ m Ra (80 $\mu$ "")
- Steel hardened & tempered
- Cast Steel
- Grey cast iron

#### Friction Coefficient (wet)

- Static : 0.10 - 0.13
- Dynamic : 0.08 - 0.12

#### Recommended Load

- Max dynamic pressure: 7.0 N/mm<sup>2</sup> (1015 Lbf/in<sup>2</sup>)
- Max Static pressure: 25.0 N/mm<sup>2</sup> (3625 Lbf/in<sup>2</sup>)
- Max rubbing speed: 25 m/s (82 Ft/sec)
- Max specific power: 4.0 W/mm<sup>2</sup> (3.4 HP/in<sup>2</sup>)



Microstructure of TT131

#### Oil Grooving

- Grooves can either be pressed or machined

Radial  
Waffle  
Spiral  
Sunburst

#### Dimensions

- Friction thickness: 2.0 mm (0.080") max / 0.30 mm (0.011") min
- Friction diameter: 600 mm (24") max

Price Level : \$ \$

The above data is taken from specific test parameters therefore results can vary in different application conditions