# TT137

## Pressure-Driven Bronze Sintered Mat'l

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**TT137 is a pressure-driven sintered bronze/iron friction material. The relatively high proportion of bronze, as well as the carefully chosen types of graphite and silicate result in an extremely high wear resistance, even under high energy conditions. TT137 offers a mid-high friction coefficient with smooth engagement while preserving the mating surfaces. The material is free of lead.**

### Friction Properties

Static Friction Coefficient : 0.16-45 ±0.05µ
Dynamic Friction Coefficient: 0.15-37 ±0.05µ
Max Dynamic Pressure: 4.10 N/mm² (1015 Lbf/in²)
Max Sliding Speed: <30 m/s

### Material: Pressure-Driven SIntered Bronze Matrix

### Appearance/Formats:

Gear Tooth Facings. Disc Brake Pads.
Clutch Facings & Buttons.
Oil grooves can be pressed or machined.

### Physical Properties

Wear Rate: 4.2 x 10-8cm3/J
Tensile Strength: 31kg/cm2 lbs.
Shear Strength: 6100 lbs.
Brinell Hardness: 65 HB
Fireproof

### Applications

Heavily Loaded Segments.
Differential Clutches.
Extreme Automotive Service.
Marine Gearboxes. Stamping Presses.
High Performance Vehicles.
Construction Machinery.

### Compliance: Reach (EC)1907/2023 & RoHS2015/863/EU

### Thermal Properties

Contact ProTec

### Additional

Recommended Mating Surfaces: Cast Iron with surface finish < 0.5µm Ra (20µin CLA).
Steel hardened & tempered, Cast Steel, Cast Gray Iron.

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