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Revision: 5
Date: 6/25/12

TTP120

ADVANCED FRICTION PAPER

TTP120 has an enhanced structure designed to provide superior energy capability, good engagement characteristic, low wear and long service life.

- Low ratio of static to dynamic coefficient of friction for enhanced engagement characteristics
- Smooth engagement
- Excellent energy capability
- Good wear resistance

Material Data

Typical Applications

- Wheel brakes
- Transmissions
- Power shift and power take off transmissions

Mating Material

- Surface finish < 0.5 μ m Ra (20 μ "")
- Steel
- Cast Steel
- Grey cast iron



Microstructure of TTP120

Friction Coefficient (wet)

- Static: 0.13 - 0.16
- Dynamic: 0.11 - 0.14

Recommended Load

- Max dynamic pressure: 3.2 N/mm² (464 Lbf/in²)
- Max rubbing speed: 45 m/s (148 Ft/sec)
- Max specific power: 4.0 W/mm² (3.4 HP/in²)

Oil Grooving

- Multi-pass tangential groove patterns in variety of configurations

- Grooves can either be pressed or machined

Dimensions

- Friction thickness: 1.5 mm (0.060") max / 0.40 mm (0.016") min
- Friction diameter: 1,000 mm (39") max / 50 mm (2") min

Price Level :

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