

FRICTION MATERIALS

All applications for friction brake material should be checked with the Standards Department. The data given below will serve as a general guide.

JOHNS-MANVILLE # 304

Band Type - Flexible - For Oil Service
Thickness = 1/8" to 5/16" - Width = 1" to 24"
Max. Temp. = 500°F - Max. Press. 100 P.S.I.
Max. Rubbing Speed = 5000 ft./min. on iron or steel
Coefficient of Friction = 0.20 ± 0.07 in oil
Primary Application: Cradle Band Brakes

AMERICAN BRAKE SHOE ABS-1400

Shoe Type - Non-Flexible - For Dry Service
Bi-Metallic Type Bonded to Steel Backing
Max. Pressure = 300 P.S.I.
Coefficient of Friction = 0.30 dry
Primary Application: Shoe Type Drag Brakes

AMERICAN BRAKEBLOK - FORMULA # 64

Curved Type - Moulded - For Dry Service
Thickness = 3/16" to 3/4" - Width 1-1/4" to 9"
Coefficient of Friction = 0.336 dry
Max. Pressure = 100 P.S.I.
Primary Application: Testing and Lapping Machine Drag Brake

JOHNS-MANVILLE # 232

Band Type - Semi-Flexible (Min. Curve 7" Dia.) - Dry Service
Thickness = 1/8" to 3/8" (Limit ±.020) - Width 1" to 12" (±1/16)
Max. Temp. = 500°F - Max. Press. 100 P.S.I.
Max. Rubbing Speed = 500 ft./min.
Coefficient of Friction = 0.45 ± 0.07 dry
Primary Application: Testing and Lapping Machine Drag Brake

NOTE: Drawing should specify expanding or contracting type.

JOHNS-MANVILLE # 751

Disc Type - Rigid Moulded - Dry or Oil Service
Thickness = 1/8" to 1/2" - Max. Diam. = 36"
Max. Temp. = 500°F - Max. Press. = 100 P.S.I.
Max. Rubbing Speed = 5000 ft./min.
Coefficient of Friction = 0.35 ± 0.07 dry

BEARIUM METAL

Leaded Bronze - Bar or Casting - For Dry Service
Grade #B-4 - Coefficient of Friction = 0.13 dry
Grade #B-8 - Coefficient of Friction = 0.16 dry
Non-Seizing Properties in Absence of Oil

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