

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 MX-4663

Band Type - Flexible - For Oil Service
Thickness = .250 to .312 - Width = 1.00 to 24.00
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 $\pm$.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 = .188 to .750 - Width 1.250 to 8.000
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 7.000 DIA.) - Dry Service
Thickness = .125 to .375 (Limit $\pm$.020) - Width 1.000 to 12.000 ($\pm$.062)
Max. Temp. = 500°F - Max. Press. 100 P.S.I.
Max. Rubbing Speed = 5000 ft./min.
Coefficient of Friction = 0.45 $\pm$.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 = .125 to .500 - Max. Diam. = 36.000
Max. Temp. = 500°F - Max. Press. = 100 P.S.I.
Max. Rubbing Speed = 5000 ft./min.
Coefficient of Friction = 0.35 $\pm$.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

JOHNS-MANVILLE # 510

Band Type - Semi-Flexible - Dry Service
Thickness = .156 to .500 width 1.000 to 12.000
Max. Temp. 500°F constant operation
Max. Rubbing Speed 7500 ft. per min. on steel or iron
Coefficient of friction .450 $\pm$.07 Dry
Primary Application: Main Motor Drive Brake

FEB. 1959