

TENSION ROLL® TRANSDUCERS

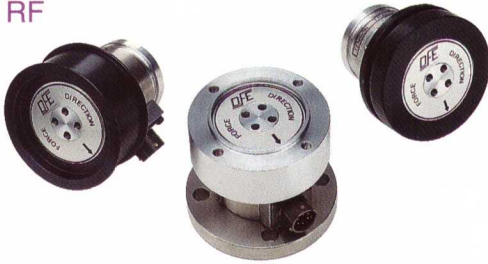
Model TR



Tension transducers and dead-shaft idler roll are combined in one integral unit. No assembly is required. Faster, easier, and cheaper to install than separate roll and transducers. Only one transducer cable—eliminates cable crossing between machine frames. Various roll diameters are available, starting at 4"(100mm). Available in face widths of 7"(177mm) to over 120"(3048mm).

RIBBON AND FILAMENT TENSION TRANSDUCERS

Model RF



Designed to measure tension in any ribbon or filament while it is moving. Ribbon or filament may be of plastic, paper, metal, rubber, fiberglass, composite, or any other material. Three standard designs available—for ribbon, for filament, or adapter model for custom requirements. Three mounting styles available: "S", "FL", and "PB".

MODEL C TRANSDUCERS



Model C Transducers are completely sealed to protect bearings from dust and water. Other features include recessed seals to minimize physical impact and damage—external grease fittings for joint bearings—dual-cantilever design for high accuracy—and a shaft bushing (when used) that is attached to the coupling by screws. The Model C is available in three frame sizes. Load ratings of 10 lbs. (45N) to 2000 lbs. (8900N). Comes in both live- and dead-shaft versions. Choose from three mounting styles: "S", "FL", and "PB".

NARROW WEB TRANSDUCERS

Model NW



Specially designed for narrow webs in single-side frame machines. Combines an idler roll and two tension transducers in one unit—for fast, easy installation and high accuracy. Three widths accommodate narrow webs up to 14" (356mm) wide. Load ratings of 12 lbs. (55N) to 100 lbs. (450N) Choose a single-bolt mounting or four-bolt flange.

HEAVY-DUTY TENSION TRANSDUCERS

Model UPB

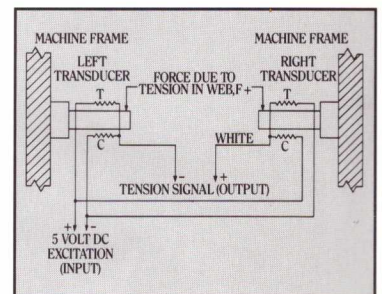


These transducers are built to last. Unique parallelogram construction for unbeatable strength, made of corrosion resistant stainless steel and aluminum. No hinges, no joints, no wear points! Available in two frame sizes. Load ratings from 100 lbs. (450N) to 5000 lbs. (22250N).

TENSION TRANSDUCERS

Dover tension transducers measure actual web tension in any moving web or filament. Transducers output an accurate, reliable signal to an indicator or controller. All Dover transducers have rugged stainless steel and aluminum construction to give you dependable performance. We offer a variety of standard transducer models. And custom designs for special applications.

TRANSDUCER OPERATION



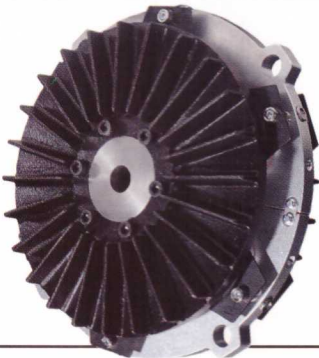


PNEUMATIC TENSION BRAKES

Features a limited travel piston that never scratches the disc—return spring positioned well away from the diaphragm to avoid punctures—ductile iron disc construction—and expanded disc surface for rapid heat dissipation. Asbestos-free friction pads available in several coefficients of friction. All brakes feature “hassle free” changing of the friction pads. No tools are required.

DUAL DISC BRAKE

This heavy-duty brake features the highest torque range and heat capacity that Dover offers. Available in five different sizes. The Dual Disc brake has a variety of options and accessories to fit any application.



SINGLE DISC BRAKE

Designed for heavy-duty applications, but has a smaller width than the full-sized Dual Disc brake. Available in three different sizes. Installation is easy because the brake comes complete as one assembled unit.



POD-STYLE BRAKE

The Pod-Style brake was designed for medium-duty applications. Features a self-centering pod assembly for even wear of the brake pads and allows the brake to fit into a smaller width. Can adjust the torque capacity by varying the number of pod assemblies. Two sizes available.



CALIPER BRAKE

The Caliper brake, designed for light-duty applications, is narrow and can be used with almost any disc diameter. Modular design allows the brake to be customized easily. It is an inexpensive alternative when a heavy-duty brake is not needed.



ECONOMY BRAKE

The Economy brake is a low cost brake designed to be used by OEM's and machinery builders. Mounts directly on the machine frame and offers reliable performance on light-duty, low torque applications.

