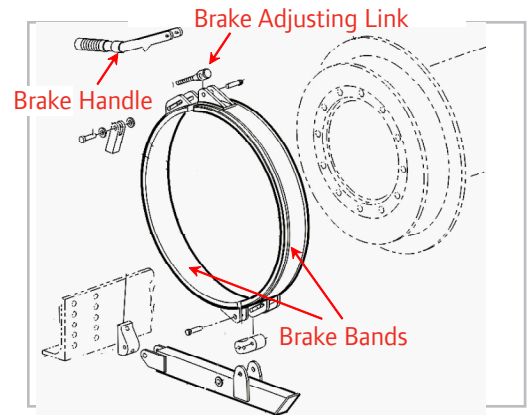
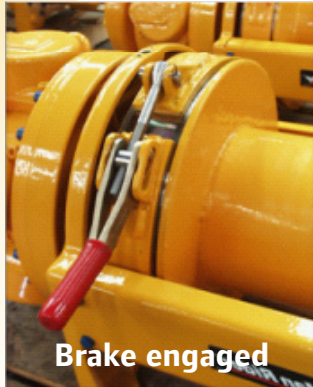


Material Handling Options

MHO-2009-012



Manual Drum Brake

The manual drum brake operates by applying a friction force between the brake bands and the drum brake surface. The brake is engaged by either a brake handle, or in the case of winch model FA10i, an actuating wheel. The brake has a range of adjustment to compensate for normal wear and the non-asbestos brake linings are attached by either riveting or through a proprietary bonding process. The manual drum brake is rated to hold 125% of the winch's rated capacity and it is adjusted and tested at the factory prior to shipment.

Important note: Ingersoll Rand highly recommends the use of an automatic drum and/or disc brake when a winch is used for lifting.

Due to the forces involved, winch model FA10i is supplied with a wheel instead of a lever to actuate the manual drum brake (Fig. 1). As the wheel is turned clockwise it causes the bands to tighten against the drum's brake surface.



Since this process is not as immediate as a lever operated system, the FA10i's manual drum brake is **NOT** to be used for lifting; only for horizontal pulling applications. An FA10i equipped with only a manual drum brake will be labeled accordingly (Fig. 2).

Note: Automatic drum and/or disc brakes are available for FA10i's being used in lifting applications.

North America Seattle Client Services

Phone: (206) 624-0466
Fax: (206) 624-6265
email: WinchandHoistSolutions@irco.com

Europe, Middle East & Africa: Ingersoll Rand Material Handling

Phone: +33 (0) 3 27 93 08 08
Fax: +33 (0) 3 27 93 08 19
email: dou_irep@eu.irco.com