

MULTIPLE NARROW WEB WINDING HAS NEVER BEEN EASIER NOR MORE EFFECTIVE

Friction shaft FDS5/3L

The I.E.S. friction shaft model FDS5/3L is the right solution whenever the need arises to rewind reels of material with differing thicknesses over the width of the web maintaining at the same time an equal tension as in the case of multiple slit reels. Particulary recommended for use on slitting and rewinding machines, this friction shaft ensures from the first runs an equal and uniform winding of each single reel, even the narrowest webs. The friction force is regulated, when the machine is running, by a continuous air supply at a pressure ranging from 0-6 BAR through a rotating joint connected to the axis of the shaft. This pressure allows the special keys of the interchangeable friction cartridge to expand and press against the internal rings of the friction elements positioned along the carrier shaft and therefore transmit the necessary torque to the individual reels to ensure a uniform winding. A simple turn of the cores on the friction elements in the direction of rotation provides a firm radial and axial grip eliminating the need for any spacers.

Features

- available for 70 mm and 3" inside diameter cores
- cores centred on friction elements and held firmly in place until each reel is fully wound
- independent friction elements made of high resistance special ground steel with internal friction rings hardened for added performance
- unique interchangeable friction cartridge with keys pressed against the inner rings generates the friction force that transmits the required torque to the individual reels
- hard chromium plated ground steel expanding carrier shaft



Benefits

- rapid and simple reels loading and positioning
- no spacers required
- possibility to rewind multiple slit reels with variable widths on one shaft
- simple reel releasing and removal for rapid changeovers eliminating costly downtime
- easy substitution of the expanding friction cartridge on the carrier shaft
- custom made steel journals to suit any machinery



I.E.S. INTERNATIONAL EXPANDING SHAFTS S.R.L.

Sede Amministrativa e Stabilimento: Via Bergamo, 1 - 20098 San Giuliano Milanese (Mi)
Tel. 02/98281079 (3 linee r.a.) - Fax 02/98281101 - e-mail: ies.srl@tin.it



I.E.S.

INTERNATIONAL EXPANDING SHAFTS S.R.L.

REVOLUTION IN REWINDING!



DIFFERENTIAL SHAFT FDS7/3L

FANTASTIC PERFORMANCES

- **MORE EXPANSION RANGE**
- **LARGE CORE TOLERANCES PERMITTED**
- **MINIMUM CUT WIDTH 15 MM**
- **UNIDIRECTIONAL AND BIDIRECTIONAL VERSION**
- **AVAILABLE FOR 70 MM AND 3" NOMINAL CORE INSIDE DIAMETER**

PRODUZIONE E COMMERCIO DI ALBERI ESPANSIBILI E AFFINI PER CARTIERE, CARTOTECNICHE, INDUSTRIE TESSILI

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e-mail: ies.srl@tin.it - web: www.ies-srl.net



NEW!!!



FRICTION SHAFT FDS7/3L:

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FEATURES

- AVAILABLE FOR 70 mm AND 3" NOMINAL CORE INSIDE DIAMETER
- SUITABLE FOR MINIMUM CUT WIDTH 15 mm
- AVAILABLE UP TO 2000 mm WEB WIDTH
- CARRIER SHAFT IN HIGH-RESISTANCE CHROMIUM PLATED STEEL
- DYNAMIC BALANCED
- UNIDIRECTIONAL AND BIDIRECTIONAL VERSION AVAILABLE

BENEFITS

- LARGE CORES DIAMETER PERMITTED
- EXCELLENT FRICTION SENSIVITY
- RECOMMENDED FOR THIN FILMS
- EASY CORE BLOCKING AND CORE REMOVAL
- SUITABLE FOR ANY CENTRE DRIVE SLITTER REWINDER
- SHORT DELIVERY
- EASY MAINTENANCE

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