

SURF

FRICTION RINGS



I.E.S.

NOT JUST DIFFERENT: BETTER

New SURF friction rings make IES Differential Rewinding Shafts easier to use than ever.

Thanks to their innovative design and special technical features (Patent Pending), SURF rings simplify the operator's daily work, **REDUCING DOWNTIME, CYCLE TIME AND MACHINE COST.** Loading and unloading operations are much faster, now!

No time is wasted on shaft settings: the operator can immediately start his work.

Friction rings are always in their rest position, and there's no need to adjust them: the cores are automatically locked onto the rings.

Gripping balls, always in contact with the core, expand automatically thanks to the shaft's rotation. Just load the cores and start rewinding!

With SURF friction rings, reels are also **AUTOMATICALLY UNLOCKED** from the shaft after rewinding, without the help of the operator.

The wound reels can be removed from the shaft without manual operations, without reverse shaft rotation, and without damaging the internal surface of the core.

New SURF friction rings are the only **UNIVERSAL** rings that can be used on all dual and turret slitler rewinding machines.

The double row of steel balls, with offset or parallel configuration, perfectly locks either cardboard and plastic cores.

SURF friction rings are made of a high quality alloy, and the protection surface treatments make them a durable and highly reliable product in time.



Just try to believe!



I.E.S.

INTERNATIONAL EXPANDING SHAFTS S.R.L.

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

Sede Amministrativa e Stabilimento

Via Bergamo, 1 - 20098 San Giuliano Milanese (Mi)

Tel. +39 02 98281079 (3 linee r.a.) - Fax +39 02 98281101

info@ies-srl.it - www.ies-srl.it

FEATURES

- Friction rings made of steel or hard anodized aluminium.
- Wear-resistant and anti-corrosion surface treatment.
- Double row of steel balls, with offset or parallel configuration.
- Round ball seats that prevent their accidental release.
- Expanding balls always in contact with the cores.
- Suitable for cardboard and plastic cores.
- Suitable to be used with fully-automatic core loading systems.
- Suitable to be used with fully-automatic reel unloading systems.
- Available for 3" cores (76.20-77.00 mm) and 6" cores (152.40-153.00 mm).
- Standard widths available: 20 mm (19+1), 25 mm (24+1), 40 mm (39+1), 50 mm (49+1).

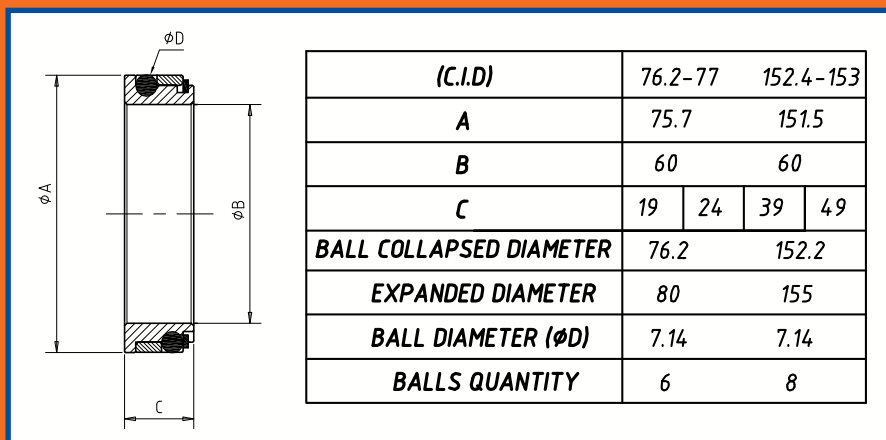


ADVANTAGES

- Core loading with steel balls in rest position without reverse shaft rotation.
- Automatic positioning and locking of the cores.
- Automatic unlocking of the wound rolls.
- Immediate roll unloading without reverse shaft rotation.
- No damage to the internal core surface during unloading operations.

BENEFITS

- Cycle time reduction.
- Competitive prices.
- Short delivery.



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

PRODUZIONE E COMMERCIO DI ALBERI ESPANSIBILI E AFFINI
PER CARTIERE, CARTOTECNICHE, INDUSTRIE TESSILI
Sede Amministrativa e Stabilimento
Via Bergamo, 1 - 20098 San Giuliano Milanese (Mi)
Tel. +39 02 98281079 (3 linee r.a.) - Fax +39 02 98281101
info@ies-srl.it - www.ies-srl.it