



FRICITION SHAFTS

FRICITION RINGS WITH BALLS



- ✓ Ideal solution for multiple reels rewinding
- ✓ Reel cores from 45mm to 400mm
- ✓ No damage of the reel core during loading/unloading
- ✓ Possibility to install preloaded ball to increase core stability
- ✓ Made of aluminium or steel
- ✓ Ideal solution both for cardboard and plastic cores

Re friction shafts are the ideal solution for multiple and independent rolls rewinding on the same shaft, as each one needs a proper web tension.

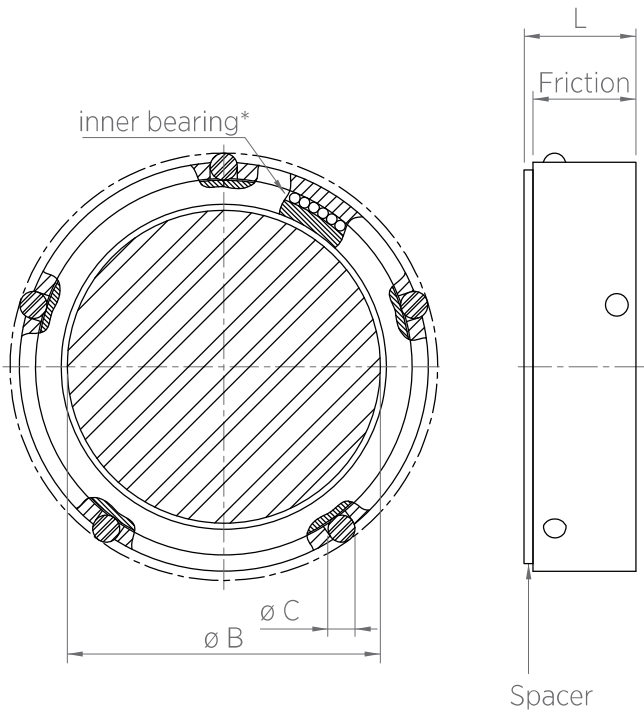
During the rewinding process of multiple rolls, obtained after the cutting process of a plastic film or paper or any other material, it is common to have substantial differences in material thickness which cause web tension to vary. To solve this issue, Re friction shafts individually lock the core of each roll onto one or more of the shaft's friction rings. This individual engagement allows each roll to wind evenly, with uniform web tension throughout.

Re friction rings with balls are made of hard black anodized aluminium or steel depending on the width. An inner bearing of spheres increases the sturdiness of the ring, even if made in aluminium, and makes the sliding action more fluid.

Friction rings with widths starting at 12,15 mm, can be equipped with preloaded positioners to increase the stability of the reel cores before the gripping balls engage the core.

Balls, during the loading and unloading operations, goes under the nominal diameter of the friction ring in order to facilitate the reel removal without damaging the core.

TECHNICAL DRAWING



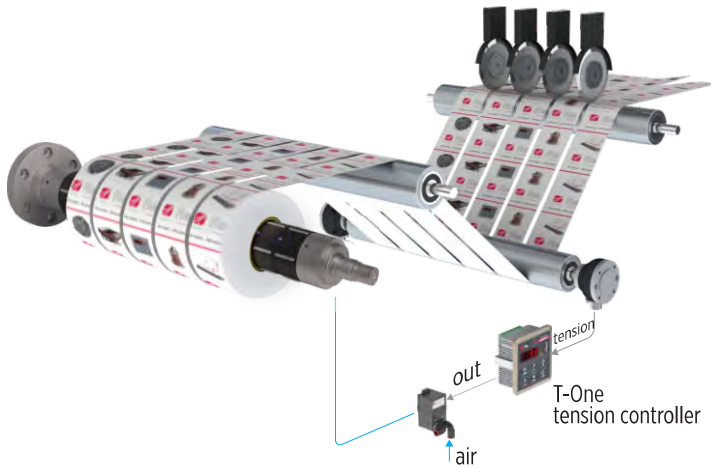
Friction ring + spacer (L) mm	from 4,5 to 50	
Spacer mm	from 0,35 to 1	
\varnothing shaft (A) mm	from 30 f7 to 150 f7	
\varnothing core mm	from 45 to 400	
\varnothing ball (B) mm	from 3,2 to 8	
Friction material	L < 12,15mm	nickel-plated steel
	L \geq 12,15 mm	hard anodized aluminium
Preloaded positioners	optional for L \geq 12,15mm	

Other dimensions on request

Data are subject to technical change without notice

*Only for friction rings \geq 12,15

APPLICATION



Thanks to the high experience in the design of tension controllers, we can provide a wide range of solution for the control of the speed and the pressure of the friction axis.

Re friction shafts are the ideal solution to be used on slitting rewinding machines as they guarantee a perfect rewinding of multiple rolls.