

Application field of Slipper Rings and FLUOR S Tapes

Fluid dynamics for medium-high pressures and high speeds, even without lubrication, fluid dynamics for analog and control regulation devices, servosystems and in general, in positioning hydraulics with high resolution power, as well as in systems offering great reliability over long periods of time. The Slipper gasket is frequently used on rotary and slow rotary-translation movements, and also as an anti-extrusion device for overspressures in static and semi-static seals.

Fluor S bearing rings are the ideal complement to this gasket (see our «Fluor S» catalogue).



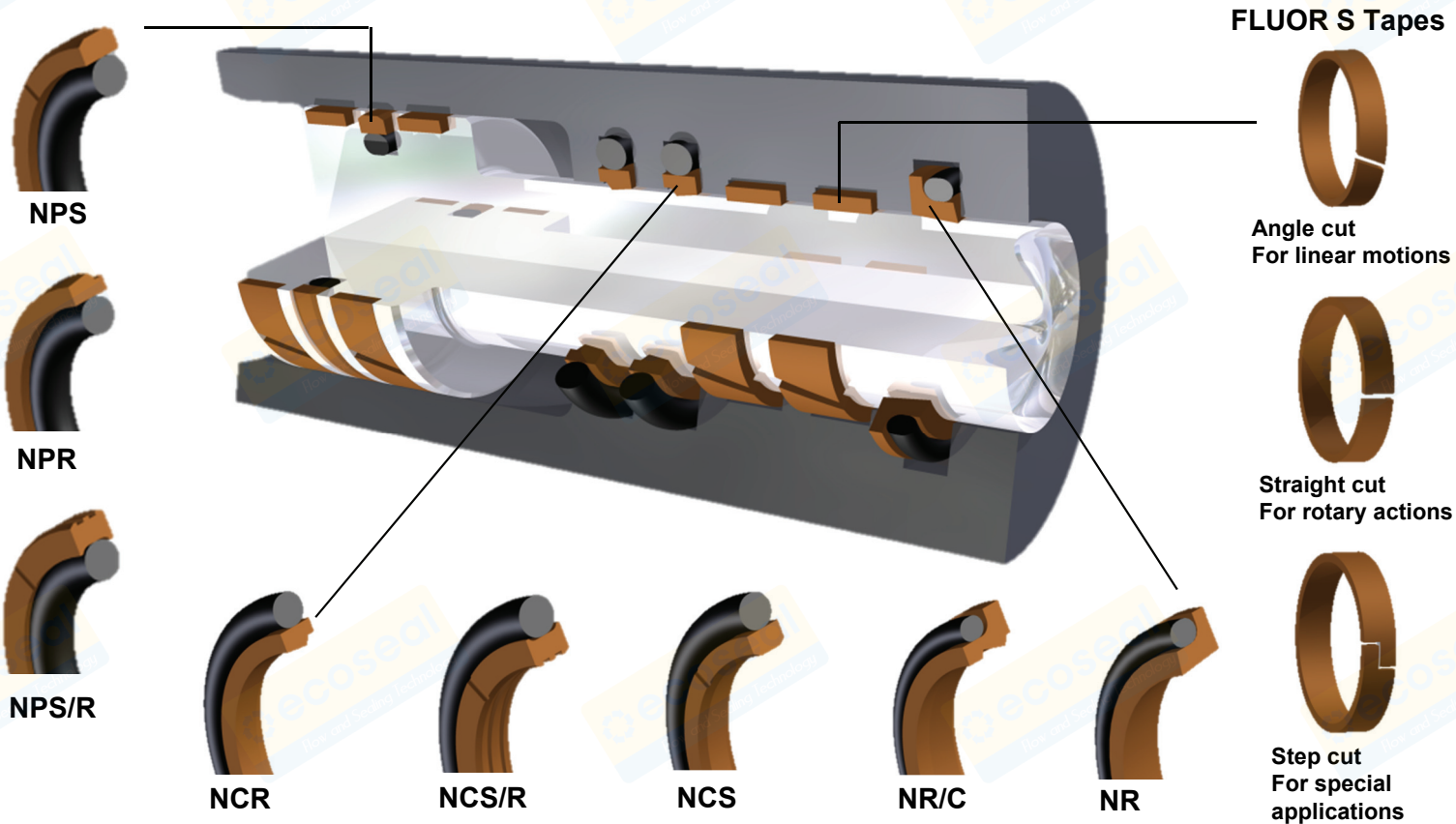
Slipper Rings and FLUOR S Tapes

The Slipper gasket is made up of a filled PTFE segment forming the dynamic part of the seal, and of an elastomer ring, normally an O-ring, which ensures the constant elastic energy required to guarantee the fit of the seal over a long period of time. Within the concept of Slipper rings, advanced PTFE formulations, characterized by low friction and resistance to wear and extrusion, replace traditional rubber in the dynamic areas. This considerably raises the overall technical limits involved in the concept of sealing. Due to its high performance level, the Slipper gasket is a great asset in modern projects where primary needs are met, thanks to the simplicity of installation of this gasket and its very small dimensions.

The Fluor S calibrated tapes in filled PTFE produced by Fluorten have been used successfully for obtaining self-lubricating piston and rod bearing rings which reduce wear to a minimum by avoiding kinetic metal to metal contact.

Slipper Ring and FLUOR S Tapes

Fluid dynamics for medium-high pressures and high speeds



SPECIAL ON DEMAND

Property*	Standard	Units	PTFE	PTFE BM-57806	PTFE B-4012	PTFE B-8/04 G-H	PTFE B-8/04 SP	PTFE C-755
Density	ASTM D 792	g/cm ³	2,16	3,10	3,80	3,10	3,10	2,10
Tensile strenght	ASTM D 4894	Mpa	20	18	12	18	18	13
Elongation	ASTM D 4894	%	200	200	100	200	200	100
Hardness	ASTM D 676	Shore D	55	65	67	65	65	65
Maximum operating temperature	/	°C	+250	+250	+250	+250	+250	+250

*Whilst data and information given here are the result of our considerable experience they are only intended as a guide line and Fluorten s.r.l. can accept no responsibility either for the results obtained from this information or for situations in conflict with any existing patents.

Unlisted PTFE filled compounds are manufactured on specific request



PTFE and Rulon® Finished parts



Slipper rings and FLUOR S/SC Tapes



Spring energized seals



Official Italy distributor of DuPont™ Vespel® trademark



Technopolymers injection moulding

Since 1966 **FLUORTEN** is an industrial production leader in design, extrusion, moulding and machining, able to supply semi-finished and finished products in **PTFE** and injection moulded technopolymers. The production cycle and Quality of **FLUORTEN** match company philosophy to work with each Customer to solve project design and production problems to obtain a competitive product.