



 **ravioli** *SpA*

  
ISO 9001  
RAVI 9105

Sliprings

## EXPERIENCE AND EVOLUTION

**SAFETY** - The slipping range has been planned according to the Safety Rules requested by the **European Standards EEC 89/392 Machinery Directive**.

**APPLICATION** - These sliprings are used to assure the electric continuity among two parts of an engine, one fixed and the other in rotatory movement relating to the first one.

**ADVANTAGES** - The range we propose is wide and versatile thanks to constant researches as a solution to the different needs of our customers.

In fact, our sliprings, beyond the standard executions, can solve your problems as:

- digital signals transmissions (low voltages and currents) for computers, video or measure signals
- power supply for high currents (till 2.000 A)
- small dimensions even with several rings

Our constructions are modular, both as rings number, and as executions with different Ampere.

Many types can be used with rotary joints for fluid applications.

**ACCESSORIES** - Following additions can be applied:

- Mercotac
- Absolute encoder
- Position sensors
- Micro-contacts group
- Air passage

**SUCCESS REASONS** - Our production has been complying for several years in standard execution and "on request". The standard product can be manufactured thanks to up to date equipments to obtain a optimal ratio quality/cost.

The company organization is such flexible to arrange and solve the different and peculiar needs of customers as quick as possible.

Our sliprings, due to various reasons, have obtained precision, safety, reliability and high spreading in different fields in the world.

These important elements are: a careful design according to market requests and to always changing Rules; also the know-how and capacity of the technicians, the assembling section, the laboratory tests and the quality controls, regulary made to all products.

**Note:** Executions, technical main features and dimensions available on **technical sheets** upon request.

On this catalogue just some of our standard executions, while **special executions** are available on request.

About executions without housing, please note that a case made by the user is requested, and this must be according to the common rules to sure a correct protection.



# OUR RANGE

## PRP TYPE

The slipping PRP Type is protected; housing in insulating material with high mechanical resistance and also not changeable to temperature variations.

The internal pipe, diam. 48 mm., free of cables, allows passage of piping for fluids, driving shafts and metallic ropes. Brush-holders can have blade or copper graphite brushes.

### MAIN PERFORMANCES

- number of rings: 4 to 36
- nominal currents: lth 20-30-50 A (on request mixed executions 30-20 A)
- protection degree: IP 51



## PRS TYPE



The slipping PRS Type is mostly useful for outside applications, due to a steel housing with protection degree IP 55. Brush-holders have blade brushes. Copper graphite brushes on request.

### MAIN PERFORMANCES

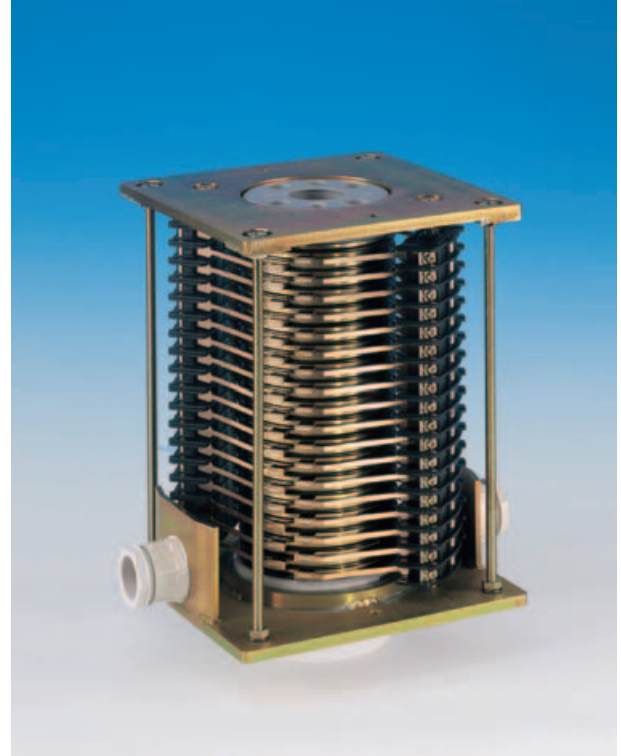
- number of rings: 4 to 14
- nominal currents: lth 30-50 A
- protection degree: IP 55

## PMP TYPE

The slipping PMP Type is a new product studied by Ravioli's Company to solve customer requests and to obtain high performance in small dimensions. This slipping, thanks to a 5 mm. length among rings, allows to use a very high number of strips in a small dimension. Brush-holders have copper graphite brushes.

### MAIN PERFORMANCES

- number of rings: 18 to 42
- nominal currents: Ith 20 A
- protection degree: IP 42



## PMS TYPE



The slipping PMS Type, a new execution in the large RAVIOLI's slipping production, is supplied in a water-proof housing and with a 5 mm. length among rings; very useful for outside applications and where small dimensions are requested. Brush-holders have copper graphite brushes.

### MAIN PERFORMANCES

- number of rings: 10 to 30
- nominal currents: Ith 20 A
- protection degree: IP 55

**PRG TYPE**

The PRG Type, without housing, is available with a large diameter possibility: 85 mm. up to 2000 mm., and for this it is possible to have a wide internal passage and different Amperes. Brush-holders can have blade or copper graphite brushes.

**MAIN PERFORMANCES**

- number of rings: 4 to 36
- nominal currents: lth 20-30-50-80-120-200 A
- protection degree: IP 00



**PZG TYPE**



The PZG Type, without housing, has the advantage to have a wide internal passage and to be axially very compact thanks to insulating rings which divides the conductor rings. Brush-holders can have blade or copper graphite brushes.

**MAIN PERFORMANCES**

- number of rings: 4 to 26
- nominal currents: lth 50 A
- protection degree: IP 00

## PS TYPE

The sliprings: PSG Type without housing, PSP protected and PSP water-proof, have been requested for years for their execution and for the slideway between rings and brushes with a peculiar V contact. Brush-holders have copper graphite brushes.

### MAIN PERFORMANCES

- number of rings: 4 to 28
- nominal currents: lth 20-60 A
- protection degree: PSG IP 00  
PSP IP 42



## EXD TYPE



ZONA 21 e 22

EXD sliprings are ATEX approved for Zone 21 and 22, and they are IP65; compact and modular, they are particularly required in dusted areas subject to a high explosion risk.

### MAIN PERFORMANCES

- No of rings: 4 or 6
- Nominal current: 0,5 - 7 - 27 Amps
- IP 65 protection degree