

GEMELS  
Valvole  
Distributori rotanti



 HYDRAULIC  
COMPONENTS  
& FLUID CONTAMINATION  
CONTROL



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# HYDRAULIC SWIVEL JOINTS

Edition. 21.1

**Type**

HYDRAULIC SWIVEL JOINTS

**Sizes**

from 2WAY up to 22WAY

**Ends**

BSP, NPT, SAE, flange

**Pressure**

up to PN420



## Highest reliability

- stator: C40 - aluminium; rotor: S355J2G3 - aluminium.

## Working conditions

- mounting position: vertical;
- axial and radial loads: not allowed;
- max rotating speed: 12 rpm;
- max pressure: 420 bar;
- min/max ambient temperatures:  $-20^{\circ}\text{C}$  /  $+60^{\circ}\text{C}$ ;
- max working temperature:  $90^{\circ}\text{C}$ ;
- standard working range:  $-10^{\circ}\text{C}$  ÷  $80^{\circ}\text{C}$ ;
- rotating/starting torque: according to the design model.

## Fluids

- hydraulic oil - DOT 4 - H2O

## Surface treatments

- rotor: phosphatizing with manganese - nickel plating ENP - hard oxidation;
- stator: hard chromium plating - nickel plating ENP - hard oxidation.

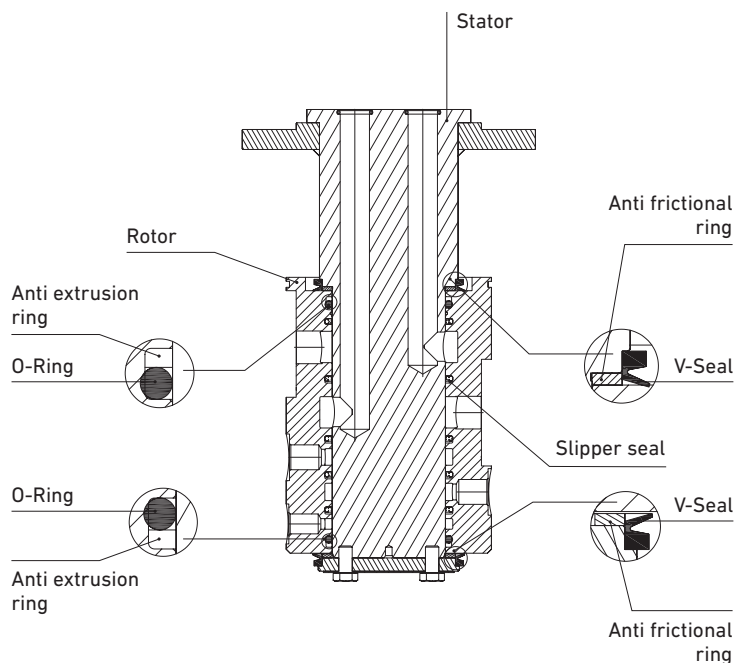
## Sealing components

- seals in buna N - Viton - EPDM - special Teflon rings.

## Accessories (slip ring)

- every model can be supplied with electrical swivel joint according to the requirements of the customers.

## CROSS SECTION



**APPLICATIONS & SOLUTIONS**



**DRILLING RIGS**



**EXCAVATOR/MOBILE CRANE**



**UNDERCARRIAGES**



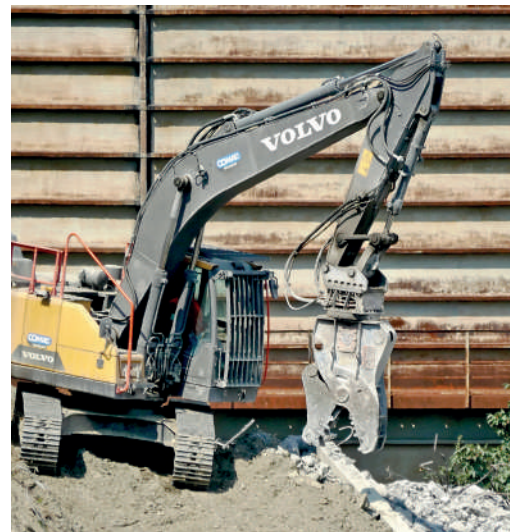
**CONCRETE MIXER PUMPS**



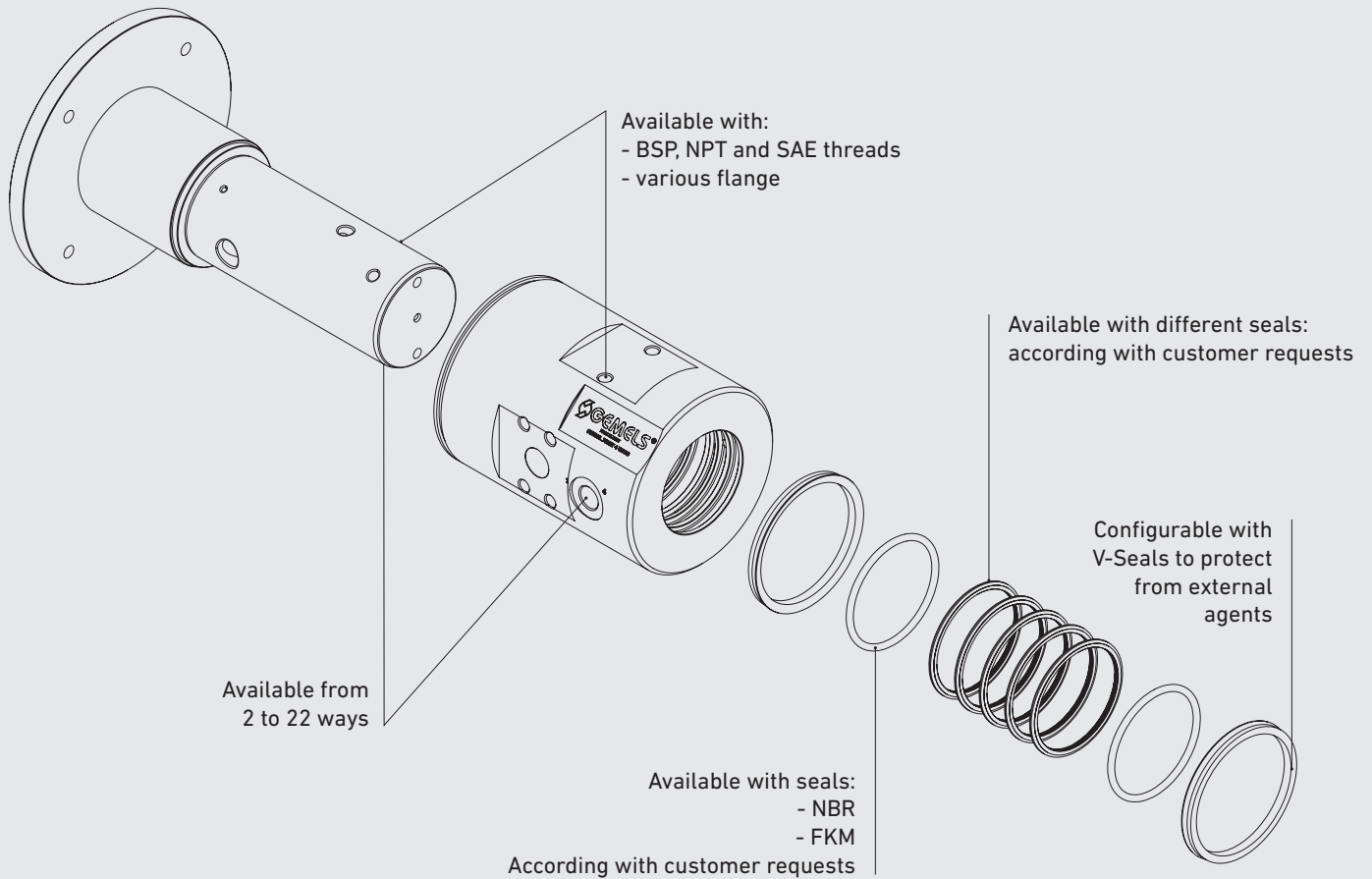
**HYDRAULIC + SLIP RING TELEHANDLER**



**SLIP RING**



## COMPOSITION OF HYDRAULIC SWIVEL JOINT





## LubeTeam Hydraulic S.r.l.

*Administration and Headquarter:*

Via Tufara Scautieri, 6

83018 - San Martino Valle Caudina (AV)

*Office and Warehouse:*

S.S. 7 Appia, Km. 237,00

82011 - Airola BN

ITALY

Tel. +39 0823 950 994

Fax +39 0823 412 546

[www.lubeteam.it](http://www.lubeteam.it) [info@lubeteam.it](mailto:info@lubeteam.it)

Italian VAT / C.F. e P.IVA: 01251720627

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