

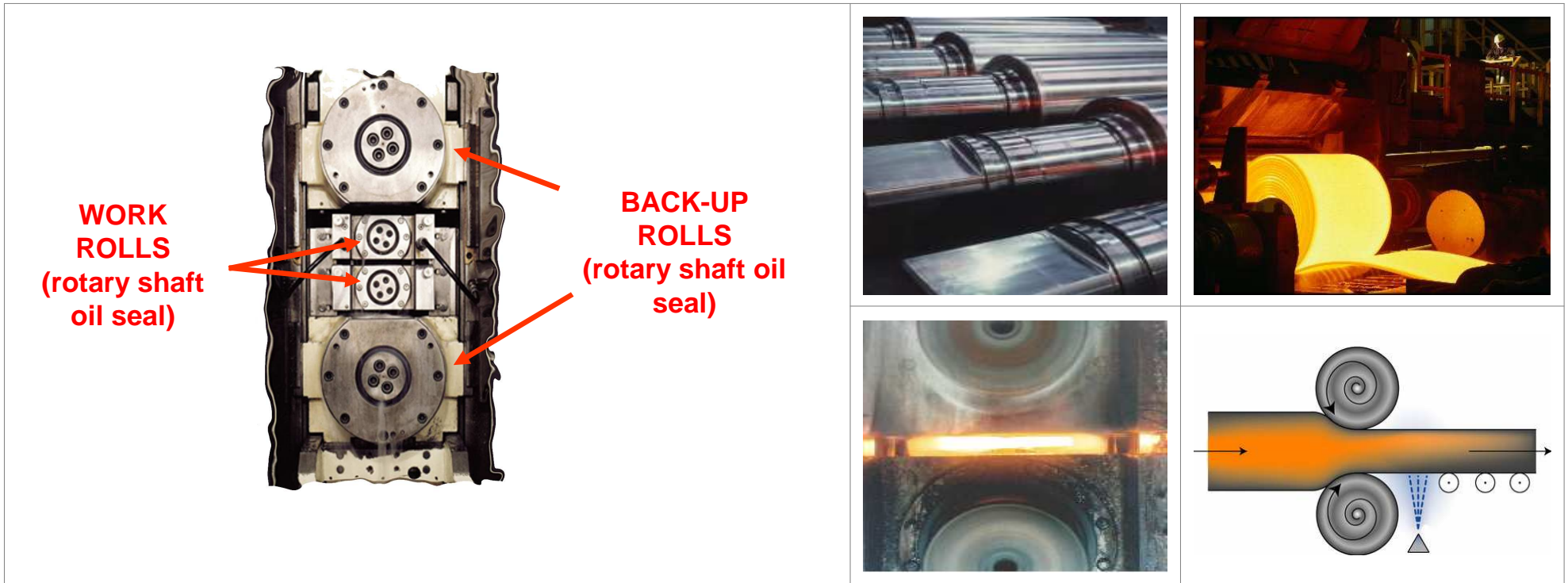


# STEEL MILL APPLICATION

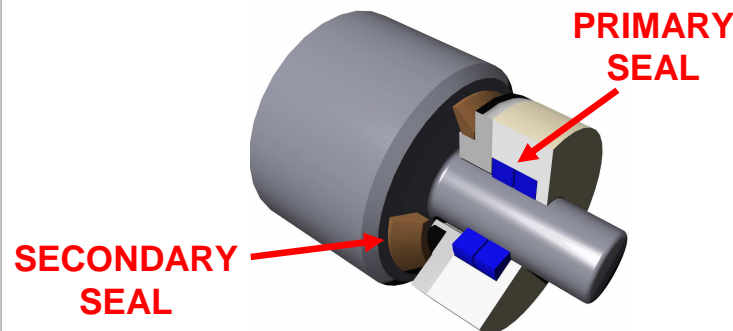
SEALING ARRANGEMENTS  
FOR HOT AND COLD ROLLING MILLS

# SEALING ARRANGEMENTS FOR HOT AND COLD ROLLING MILLS

With 30 years of experience FP - ATS can offer to their customers reliable solutions for any sealing problem in hot and cold rolling mills, present in all the process for the production of primary metals.



## BACK-UP AND WORK ROLLS



### PRIMARY SEAL

Rotary shaft seal to retain oil or grease for bearing lubrication.

### SECONDARY SEAL

V-ring to protect the primary seal from dust or other contaminants inclusion.

# SEALING ARRANGEMENTS FOR HOT AND COLD ROLLING MILLS

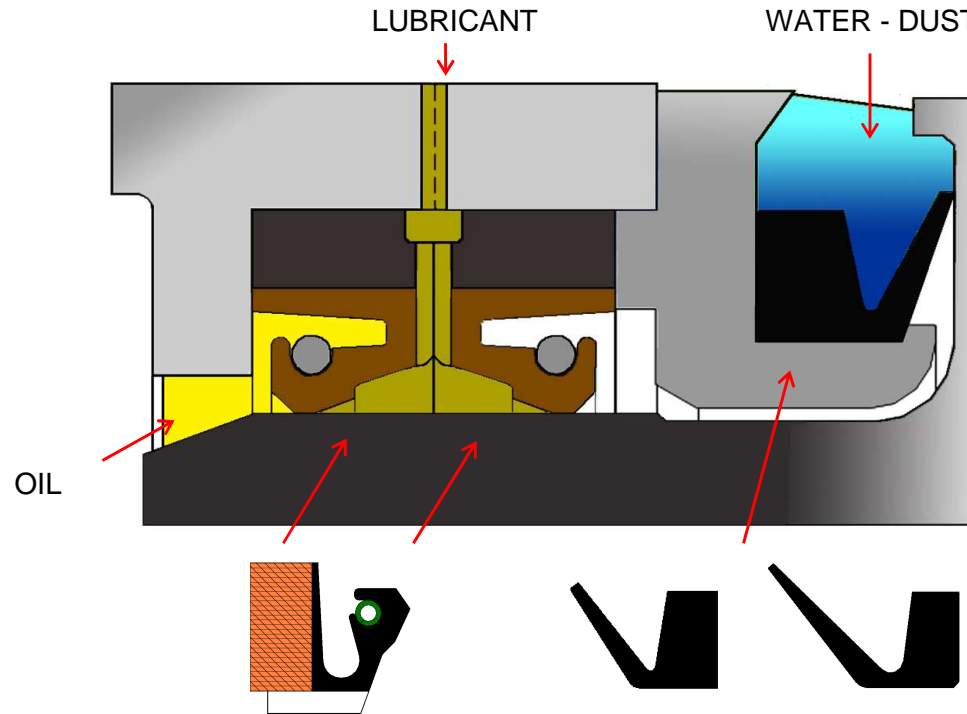
## OUR SOLUTIONS

On the base of the different working needs, FP-ATS has the right sealing solution to guarantee the best possible result.



### TGASMC

Textile rubber oil seal, with lubricating grooves. Strong and flexible, suitable for non-critical applications, and “back to back” installations.



### TGASMC OIL SEAL

(TO BE INSTALLED WITH A RETAINING PLATE)

### V RING A or V RING E



### V-RING

All rubber front seal, available in different profiles.

# SEALING ARRANGEMENTS FOR HOT AND COLD ROLLING MILLS

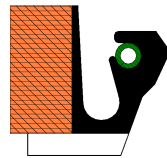
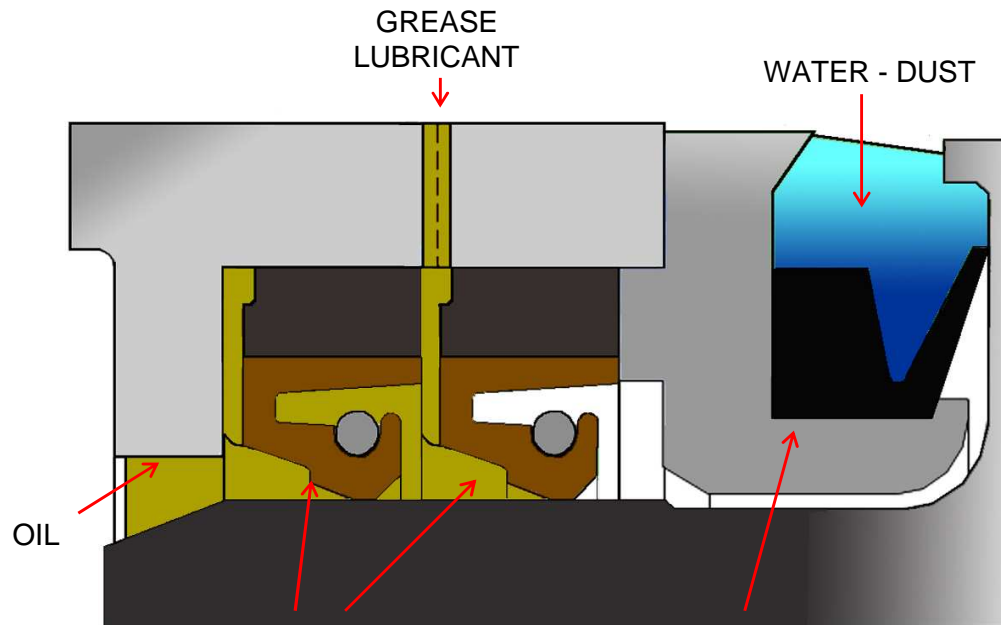
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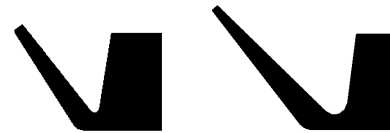
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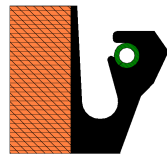
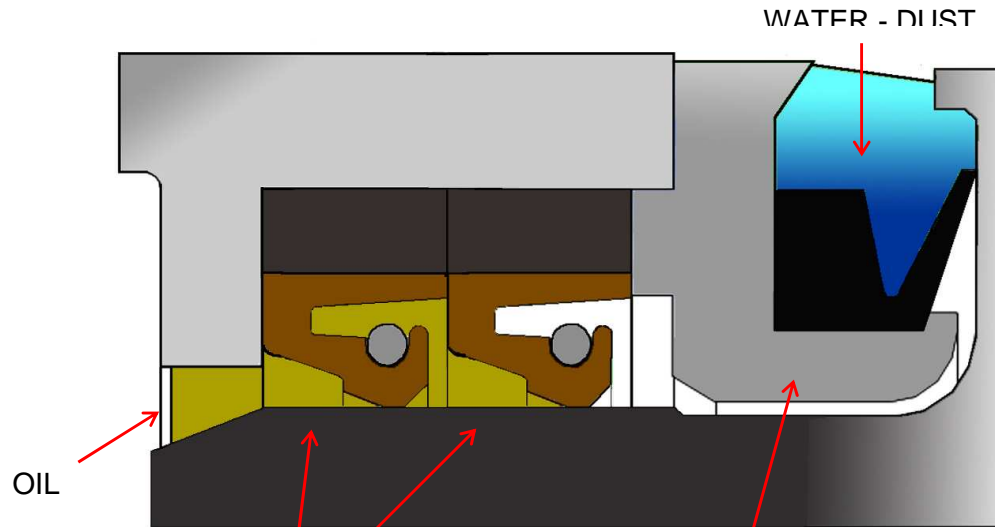
## OUR SOLUTIONS

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### TGUSMC

Textile rubber oil seal, strong and flexible, suitable for non-critical applications, and "tandem" installations.



**TGUSMC OIL SEAL**

(TO BE INSTALLED WITH A RETAINING PLATE)



**V RING A or V RING E**



### V-RING

All rubber front seal, available in different profiles.

# SEALING ARRANGEMENTS FOR HOT AND COLD ROLLING MILLS

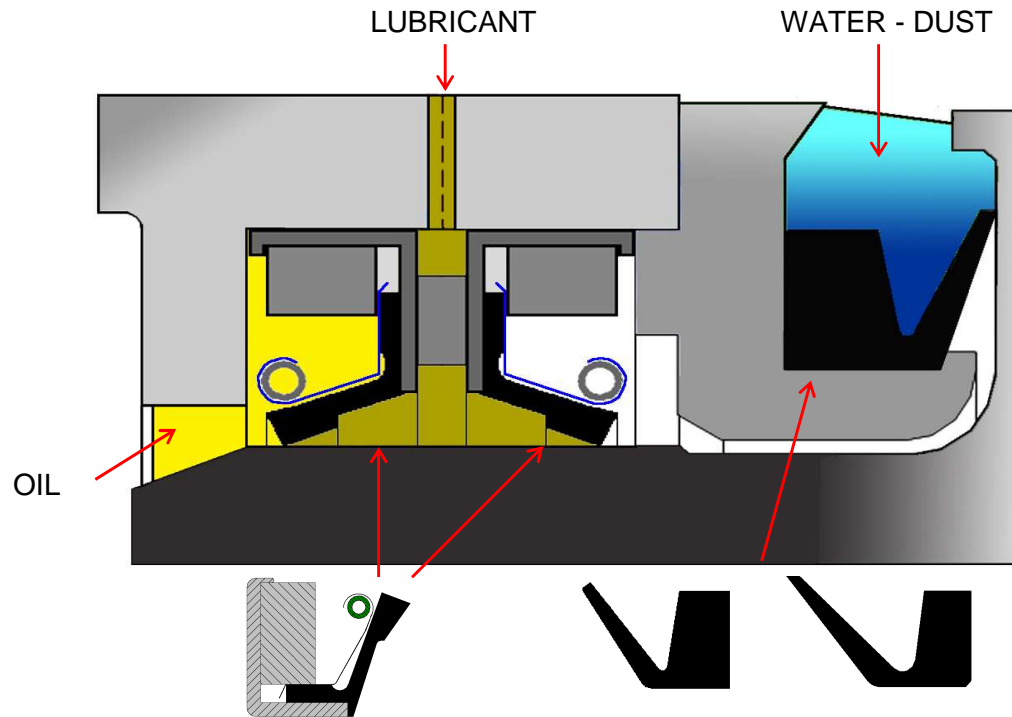
## OUR SOLUTIONS

On the base of the different working needs, FP-ATS has the right sealing solution to guarantee the best possible result.



### L2M

Special oil seal, ideal for critical operating conditions, where high speed, and high misalignment occur.



L2M OIL SEAL WITH SPACERS

V RING A or V RING E



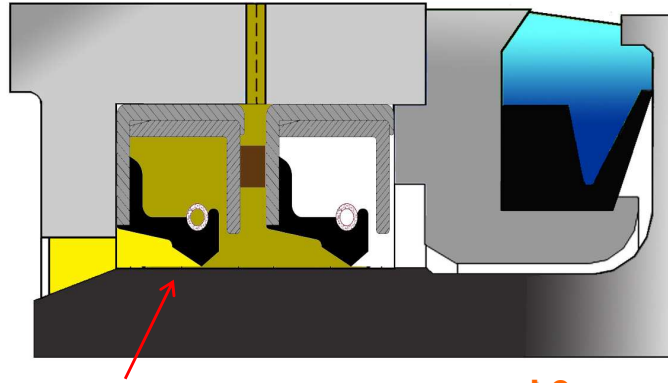
### V-RING

All rubber front seal, available in different profiles.

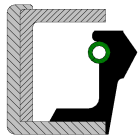
# SEALING ARRANGEMENTS FOR HOT AND COLD ROLLING MILLS

## OUR SOLUTIONS

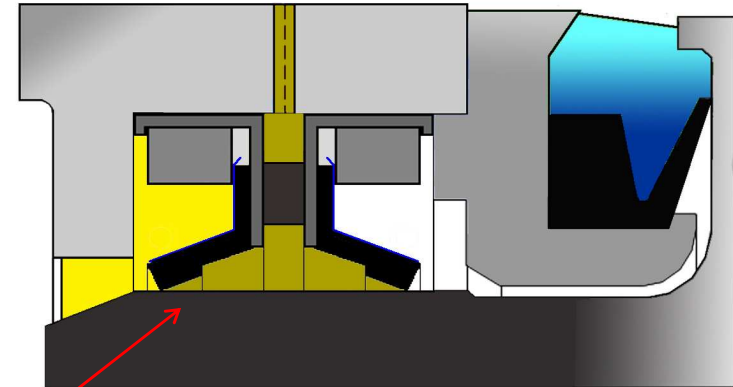
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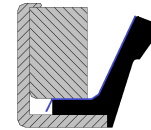
**L2**



Special strong oil seal, ideal for oil retention in the assembling in houses with strict tolerances.



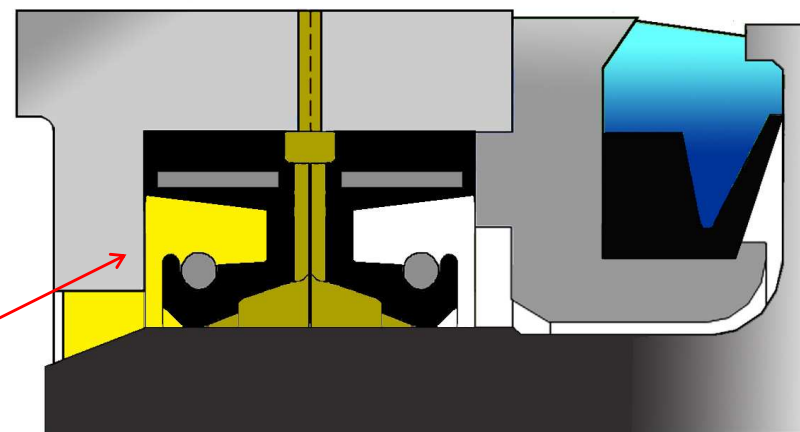
**L1M**



Special strong grease seal, ideal for grease retention in the assembling in houses with strict tolerances.

**TGF**

Special oil seal, for easy installation. Self-retaining oil seal tanks to the internal flexible metal band.





# 30 YEARS OF EXPERIENCE

success, innovations

and

worldwide satisfied customers