



## Technical Data Sheet

# EURUN

## *Lubricant for guides and slides of machine tools*

EURUN is specifically formulated for the lubrication of guides, tables and feeding mechanisms of machine tools. It presents in particular for specific anti-friction properties to a wide range of materials for guides and slides, avoiding the phenomenon of stick-slip, that annoying phenomenon of intermittent slipping. It is particularly suitable where use machines with high precision and low speed or for combined lubrication systems.

### Applications & Benefits

#### - Tackiness

Excellent adhesion to metal surfaces and ease of stay on vertical surfaces.

#### - Easy Separation

The lubricant thus formulated has a high degree of separation from aqueous emulsions resulting from cutting fluids, helping to improve their durability.

#### - Wear Protection

The additives contained in the formulation protect the components of the machine which are normally more prone to rust and corrosion, resulting in less slip loss, driving and maintenance costs.

#### - Foam Resistance

It helps maintain a stable film in the transmission body, which minimizes the foaming phenomenon and ensures reliable lubrication.

#### - Filtrability

Lubricant filterability is in line with the general guidelines for hydraulic oils.

#### - EP Features

Suitable for use where EP lubricant required to withstand pressures of heavily loaded machinery.

### Specifications & Approvals

#### - Exceeds the specifications listed below:

##### - Performance of Guides-Skids

Cincinnati Milacron P-53 (ISO VG 32)

Cincinnati Milacron P-47 (ISO VG 68)

Cincinnati Milacron P-50 (ISOVG 220)

Cincinnati Milacron Stick Slip Test = 0.80 max of the ratio between static/dynamic friction coefficient.

##### - Performance as Hydraulic Oil

DIN 51524 - part II (including FZG stage 12 pass)

ANFOR NF E 48- 603 (HM);

##### - Performance for Gears

DIN 51517 - part III

David Brown S1.53.101

US Steel 224

French Steel FT 161

AGMA 9005-D94 (EP)

Always check the usage and maintenance manual for correct fluid selection.

\*For further information please contact the Technical Service.

## Chemical-Physical Characteristics

Test	Method	Eurun		
		32	68	220
<b>ISO Grade</b>	-	<b>32</b>	<b>68</b>	<b>220</b>
Appearance	Visual	Clear	Clear	Clear
Density @ 15°C, kg/dm <sup>3</sup>	ASTM D 4052	0.855	0.865	0.885
Viscosity cSt @ 40°C cSt @ 100°C	ASTM D 445	32.0 5.5	68.0 9.5	220.0 19.5
Viscosity Index - Unit	ASTM D 2270	110	105	100
Copper corrosion - 3h @ 100°C	ASTM D 130	1B	1B	1B
Rust-preventing	ASTM D 665A	Exceeds	Exceeds	Exceeds
Pour point, °C	ASTM D 97	-30	-30	-24
Flash point, °C	ASTM D 92	225	230	230

NOTE: The above values are "typical" for normal production tolerance and do NOT constitute a specification.

## Storage, Health & Environment

### - Storage & Health

It is recommended to store the covered EURUN lubricant. If storage is carried out outdoors, it is recommended to position the drums, preferably under a roof, in a horizontal position and, if kept upright, cover them with a lid to prevent water infiltration. It is advisable not to store the packs at temperatures above 60°C or directly to the sun as it is good to keep them in places not subject to freezing.

EURUN has no health effects when properly used, applying the normal personal hygiene standards.

### - Environment

Do not discharge the new and/or exhausted lubricant into the sewage system, soil or waterways. Exhausted lubricant must be delivered to an authorized collection point.

## Additional information

### - Safety Data Sheet

It is provided aside and must be considered for its information or can be easily downloaded from [www.rilub.it](http://www.rilub.it)

Contact your technical service for more information:



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