SPINTA TOOL 32 / 68 / 220

Product Code: SP-IN-TOOL-32 / SP-IN-TOOL-68 / SP-IN-TOOL-220

Slideway and Machine Tool Lubricant

PRODUCT DESCRIPTION

SPINTA TOOL is formulated for machine-tool slideways, guides, tables and feed mechanisms. Its tackiness and anti-friction characteristics reduce stick-slip, improve surface adhesion and support smooth, precise movement, while also providing hydraulic and gear performance in combined lubrication systems where the listed requirements apply.

APPLICATIONS & BENEFITS

Stick-Slip Control Reduces intermittent slip on slideways and guides, supporting machining precision at low speeds.
Surface Adhesion Strong tackiness helps the lubricant remain on vertical and heavily loaded surfaces.
Water-Emulsion Separation Separates readily from water-based cutting fluids, helping preserve coolant life.

KEY PERFORMANCE BENEFITS

Wear & Corrosion Protection Protects machine-tool components against wear, rust and corrosion.
Foam Resistance Stable film and foam control support reliable lubrication in combined systems.
Multi-Function Performance Provides slideway, hydraulic and gear performance where the listed standards are required.

SPECIFICATIONS & PERFORMANCE LEVELS

Meets or exceeds the following specifications and performance levels; application statements as indicated:

- Cincinnati Milacron P-53 (ISO VG 32)
- Cincinnati Milacron P-47 (ISO VG 68)
- Cincinnati Milacron P-50 (ISO VG 220)
- Cincinnati Milacron Stick-Slip Test ≤ 0.80
- DIN 51524 Part II; AFNOR NF E 48-603 HM
- DIN 51517 Part III
- David Brown S1.53.101; U.S. Steel 224
- French Steel FT 161; AGMA 9005-D94 EP

Recommendation: Use the ISO viscosity grade specified by the machine-tool manufacturer and verify suitability for combined slideway/hydraulic lubrication systems before use.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Property	Test Method	32	68	220
ISO Grade	-	32	68	220
Appearance	Visual	Clear	Clear	Clear
Density @ 15°C, kg/dm³	ASTM D 4052	0.855	0.865	0.885
Kinematic Viscosity @ 40°C, cSt	ASTM D 445	32.0	68.0	220.0
Kinematic Viscosity @ 100°C, cSt	ASTM D 445	5.5	9.5	19.5
Viscosity Index	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 values shown above are typical for normal production and may vary within normal manufacturing tolerances. They do not constitute a product specification or contractual limit.

STORAGE, HEALTH & ENVIRONMENT

STORAGE

Store under cover whenever possible. If outdoor storage cannot be avoided, containers should be protected from rain and water infiltration. Avoid temperatures above 60°C, direct sunlight and freezing conditions.

HEALTH & SAFETY

When properly used and handled in accordance with standard personal hygiene practices, the product is not expected to present adverse health effects under normal conditions of use. Refer to the corresponding SPINTA Safety Data Sheet (SDS) for detailed precautions and first-aid information.

ENVIRONMENT

Do not discharge new or used product into drains, sewage systems, soil or watercourses. Used product must be collected and delivered to an authorized collection or disposal facility in accordance with applicable regulations.

ADDITIONAL INFORMATION

Safety Data Sheet (SDS): The corresponding SPINTA Safety Data Sheet is available separately and should be consulted before handling or using the product.
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