

LUBRICANTS

SLIDEWAYS

YOUR ADVANTAGE IN AN INDUSTRIAL WORLD



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THE EXPERTS IN SLIDEWAY SOLUTIONS

CASTROL OFFERS YOU A COMPREHENSIVE RANGE OF WORLD-CLASS SLIDEWAY LUBRICANTS AND PRODUCT SUPPORT SERVICES THAT WILL HELP YOU TO:

- > **Prolong way life**
- > **Extend maintenance intervals**
- > **Boost productivity**
- > **Lower maintenance costs**
- > **Reduce overall consumption and waste**

We can bring you these powerful benefits by exploiting our vast global experience and process and applications expertise brought together through our network of engineering and research professionals. It's then all delivered directly to you by our knowledgeable local sales and support teams. Our ultimate goal is to help you achieve optimum performance in your manufacturing environment.

Castrol slideway lubricants have been formulated using knowledge gained over many years of research and then rigorously tested in both laboratory and manufacturing conditions, in close collaboration with leading machine tool manufacturers. You can trust Castrol to provide the right product for the job, across all your operations.

THE COMPLETE RANGE OF SLIDEWAY SOLUTIONS

Castrol Magna GC, Magna BD and Magna CF range

This range of mineral oil based slideway lubricants is formulated to provide all-round performance with good stick-slip and load carrying capabilities. Castrol Magna lubricants are recommended for machine tools that rely on sliding ways for precision and accuracy in machine operations. These lubricants have been fortified with tackiness and lubricity and extreme pressure additives.

- Good lubricity – prevents stick-slip of slideways
- High load carrying capacity – prevents wear of highly loaded slideways
- Good demulsification and cutting fluid compatibility – can be used in the presence of water or water based metalworking fluids

Castrol Magna GC 32 can be used as a combined hydraulic and slideway lubricant.

Castrol Magna BD 68 is normally recommended for horizontal slideways and meets Cincinnati Lamb (formerly Milacron) specification P-47.

Castrol Magna CF 220 is used on heavily loaded and vertical slides and meets Cincinnati Lamb specification P-50.

Castrol Magnaglide D range

This range of mineral oil based slideway lubricants is formulated to provide enhanced performance with excellent stick-slip qualities and compatibility with water based metalworking fluids. Castrol Magnaglide D lubricants are recommended for machine tools that rely on sliding ways for precision and accuracy in machine operations. They are specifically formulated to overcome stick-slip motion ordinarily associated with parts requiring slow moving operation. These slideway lubricants can reduce machine tool carriage chatter and have the necessary adhesive characteristics to prevent squeezing out of the lubricant.

- Excellent lubricity – prevents stick-slip of slideways
- Good load carrying capacity – prevents wear of highly loaded slideways
- Excellent demulsification and cutting fluid compatibility – can be used in the presence of water or water based metalworking fluids

Castrol Magnaglide D 32 can be used as a combined hydraulic and slideway lubricant, while it also meets Cincinnati Lamb specification P-53.

Castrol Magnaglide D 68 is normally recommended for horizontal slideways and meets Cincinnati Lamb specification P-47.

Castrol Magnaglide D 220 is used on heavily loaded and vertical slides and meets Cincinnati Lamb specification P-50.

Castrol Tribol MWO LS range

This range of mineral oil based slideway lubricants is formulated from a proprietary blend of anti-wear, extreme pressure (EP) and friction-modifying agents. In combination these perform synergistically – eliminating stick-slip and chatter on all ways, vertical and horizontal. When subjected to the extreme pressure of contacting asperities (microscopic high spots), the additives convert to low-shear compounds on working surfaces, lubricating much like solid-film lubricants. Additives in the Castrol Tribol MWO LS range are fully dissolved, therefore allowing use where lubricating solids may be restricted because of manufacturer's requirements such as very fine filtration, or concern about solids contaminating the manufacturing process.

Castrol Tribol MWO LS lubricants are designed for lubrication of machine tool slides and ways but can also be used for many other applications such as chains, wire ropes, plain and anti-friction bearings, and translating screws.

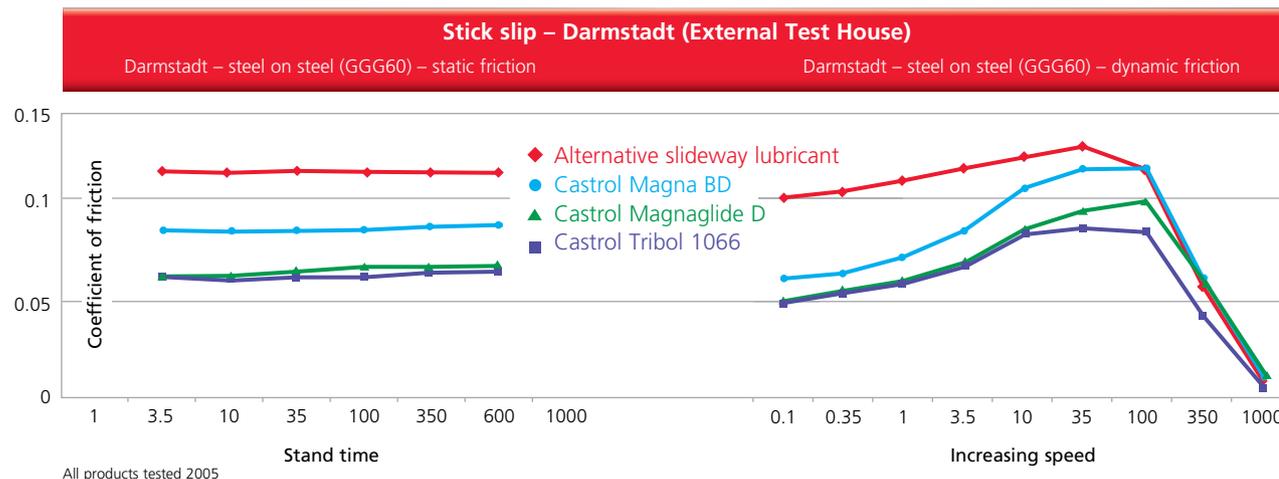
- Excellent lubricity – prevents stick-slip of slideways
- Superb load carrying capacity – prevents wear of highly loaded slideways
- Non-drip nature – can reduce staining and therefore help avoid production and housekeeping problems

Castrol Tribol 1066 range

This range of high-performance mineral oil based slideway lubricants is formulated from the highest quality base oils and additives available, designed to produce a lubricant allowing superb stick-slip properties and rapid water separation. The special formulation of Castrol Tribol 1066 slideway lubricants resists the cleansing action of surface-active coolants so that wear on the slides and ways is minimised and motion remains smooth and accurate. Interaction between the metalworking fluid and slideway lubricant can result in lower metalworking fluid performance and reduce fluid life. This range was specifically developed to reduce this interaction and is non-emulsifying with water, synthetic and semi-synthetic metal removal fluids.

The Castrol Tribol 1066 range lubricates modern machine tools and is compatible with both metal and plastic materials used in machine equipment.

- Outstanding demulsification properties – prolongs coolant life
- Excellent lubricity – prevents stick-slip, resulting in higher quality output, fewer rejects and reduced operating costs
- Advanced corrosion protection – reduces metal deterioration



**QUALITY AND
RELIABILITY
FROM START
TO FINISH**

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