

## Whitmore® FSL Flange Stick Lubricant

Whitmore FSL is a solid lubricant that is specifically designed to provide optimum lubrication to the wheel flange and rail gauge face. Whitmore FSL helps reduce noise levels and wear on the gauge face, gauge corner, and wheel flange.

During normal rolling, Whitmore FSL transfers from the wheel flange to gauge face/corner and lubricates both surfaces. It reduces the coefficient of friction to as low as 0.10. The result is a substantial reduction in wear on the gauge face, gauge corner, and the wheel flange.

Whitmore FSL can be utilized alone or on a dual bracket with Whitmore TFSM. The products are applied via robust spring-loaded applicators that prevent cross-contamination between the two stick types. Whitmore TFSM & Whitmore FSL perform very dissimilar functions, therefore each has a unique size/shape with corresponding applicators to eliminate improper application.

### BENEFITS:

- **WEAR** - Reduces or eliminates gauge face & Flange wear.
- **NOISE LEVELS** - Stops or substantially reduces high pitched flange squeal
- **QUIET** - Smoother, quieter ride for transit customers.
- **CLEAN** - Provides clean and dry onboard lubrication.
- **INTERLOCK** - Whitmore FSL includes a round interlocking feature to prevent Nib fallout
- **LOW CONSUMPTION** – 1”/1500 Miles, 25mm/2400

### APPLICATIONS:

Whitmore FSL provides superior lubrication at the wheel-flange and rail gauge face. It is designed for rail transit vehicles and track machinery but is suitable for other industrial applications requiring control of friction

NOMINAL CHARACTERISTICS	
<b>Coefficient of Friction</b>	0.10
<b>Wear Rate</b>	1” per 1500 Miles, 25mm per 2400km
<b>Appearance</b>	Opaque, Black Solid
<b>Quality Standards</b>	Determination of burning behavior: ISO 4589-2:2017, Smoke generation: ISO 5659-2:2017 Environmentally Safe: Non-GLP Fish Toxicity
<b>Surface Hardness, ASTM D2240</b>	84-85