Transfer equipment for LCD, Semiconductor, chip mouter, Food/Medical device

L1 Seal Ball Screw with Minimal Grease Splatter

- Reduced grease-splattering helps maintaining machines and working environment clean -

Features

1. Substantial reduction of grease splatter
   By adopting the newly developed “L1 Seal,” grease build-up on the shaft surface is controlled and grease splatter is kept to a minimum. The non-contact type seal also prevents increased torque.

2. Seal cover included as standard equipment
   Prevents grease from dripping to maintain a clean working environment.

3. It can be fitted to standard ball screws later
   It can be fitted to Compact FA Series and High Speed SS Series later. NSK ensures quick delivery.
Grease splattering test
Condition of grease splattering from the shaft

Conventional Labyrinth seal
L1 seal ball screw with minimal grease splatter

<table>
<thead>
<tr>
<th>Labyrinth seal</th>
<th>Newly developed seal</th>
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<tbody>
<tr>
<td>After refilling of grease</td>
<td>BS shipping status</td>
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<table>
<thead>
<tr>
<th>BS3210</th>
<th>AS2 grease</th>
<th>2400min⁻¹</th>
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| L1 seal ball screw with minimal grease splatter |

Product range
Shaft diameter: Diameter 15–32mm
Lead: 5mm or more
Lubricant: General grease, Clean room grease, Grease for food & medical
Environment: Under normal pressure and normal temperature
Short lead-time: NSK standard stock BS, "Compact FA series"(dia. 15–25), "High-Speed SS series"(dia. 32), can have L1 seals added after completion

For Compact FA series
Shaft diameter 15–25

For High-Speed SS series
Shaft diameter 32

For more information about NSK products, please contact: www.nsk.com

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