

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

MOTION & CONTROL™

NSK

RoHS
compliant

L1 Seal Ball Screw with Minimal Grease Splatter

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



Patent Pending



■ 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

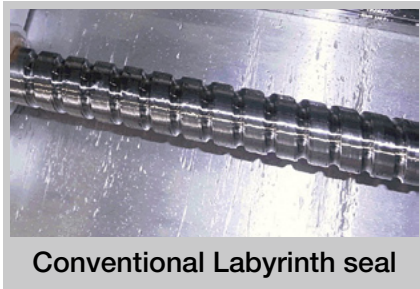
Prevents grease from dripping to maintain a clean working environment.

3. It can be fitted to standard ball screws later

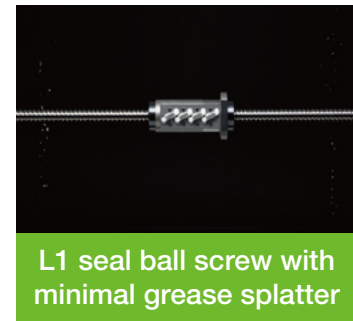
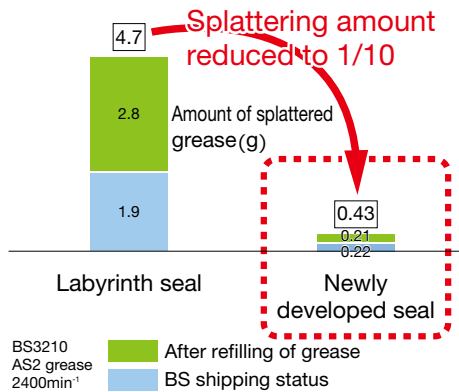
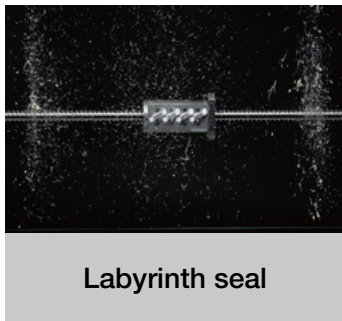
It can be fitted to Compact FA Series and High Speed SS Series later.
NSK ensures quick delivery.

Grease splattering test

Condition of grease splattering from the shaft



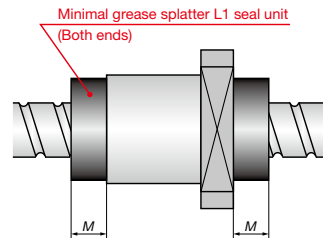
BS2010
AS2 grease
3000min⁻¹



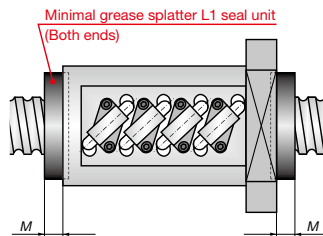
Product range

- 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



Shaft diameter and lead

Unit:[mm]

Lead \ Shaft diameter	5	10	20	25	Available series
15	○	○	○		Compact FA
20	○	○	○		
25	○	○	○	○	
32	○	○			High-Speed SS

L1 seal M length : 10~20mm

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

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NSK used environmentally friendly paper and printing methods for this publication.

