

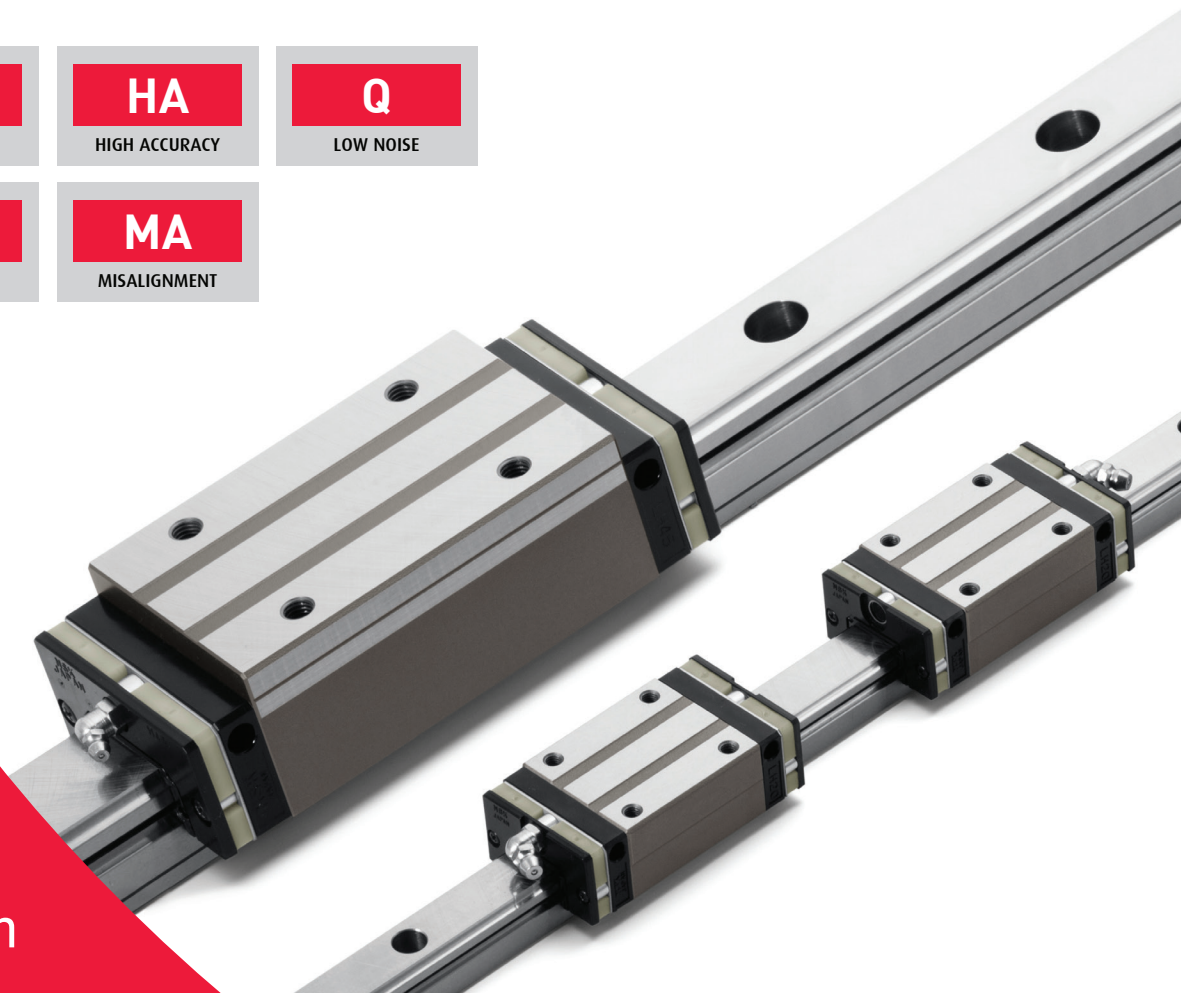
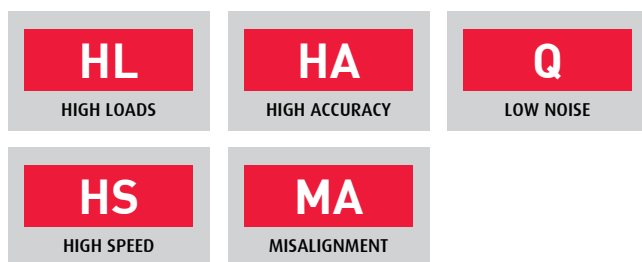
## NH/NS SERIES LINEAR GUIDES

NSK NH/NS Series Linear Guides offer maximum precision combined with extremely high load ratings. With state-of-the-art advancements in ball groove geometry and ball circulating path, load ratings and rating life have been increased dramatically while attaining smooth and quiet circulation well suited to high speed applications. Outstanding accuracy ensures precise positioning and optimal movement, every time.

### PROVEN BENEFITS

- › Smoother ball recirculation resulting in increased speed capabilities
- › Optimum absorption of impact loads
- › Higher load ratings make it possible to increase service life or downsize
- › Interchangeable - rails and ball slides can be used in many combinations
- › Unlimited rail length as individual sections can be used together
- › Easy assembly

### CONDITIONS:



## DESIGN FEATURES

- › Available in standard series NH and compact, low profile NS series
- › High-speed design as standard
- › Extremely high load rating
- › 2 types of ball slides: square and mounting flange type
- › 3 lengths of ball slide: standard high load, long super-high load, and short medium load
- › Ball slides and rail made with special high carbon steel as standard, with stainless steel option
- › Various accuracy grades
- › Various preload categories
- › Optional extras including: K1 lubrication unit, double seals, protector plates, surface treatments

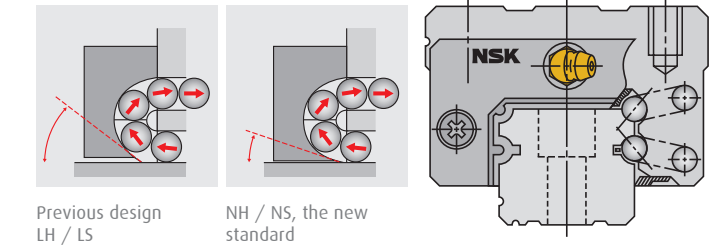
## APPLICATIONS

- › Material handling
- › Transfer/gantry systems
- › Semi-conductor
- › Medical
- › Injection molding
- › Machine tool

## DESIGN SPECIFICATIONS

<b>NAH</b>	<b>30</b>	<b>AN</b>	<b>S</b>	<b>Z</b>	<b>-</b>	<b>K</b>
BALL SLIDE SERIES	SIZE	BALL SLIDE SHAPE / LENGTH	MATERIAL CODE	PRELOAD CODE		ACCESSORIES
<b>N1H</b>	<b>30</b>	<b>1200</b>	<b>S</b>	<b>Z</b>		
RAIL SERIES		RAIL LENGTH				

SERIES	NH: standard, for high to super-high loads NS: compact low-profile, for medium to high loads
SIZE RANGE	NH: 15, 20, 25, 30, 35, 40, 45, 55, 65 NS: 15, 20, 25, 30, 35
BALL SLIDE SHAPE	Square type (including compact, low-profile) Flange type
BALL SLIDE LENGTH	Standard: high load (NH,NS) Long: super high load (NH) Short: medium load (NS)



- › Improved ball circulating geometry contributes to higher attainable speeds and extended life
- › By optimizing the distribution of contact surface pressures, load ratings have increased by 30% (fig. 1)
- › Smooth ball circulation path results in reduced noise and improved performance at high speeds (fig. 2)

