LINEAR MOTION RANGE
The suitable solution for all requests
A LARGE LINEAR MOTION RANGE
to meet every application requirements

COMPACT AXIS

AXC SERIES
Size 40, 60, 80, 100, 120
Modular design, system universally applicable as single-axis and in complex multiple-axis systems
- Different guiding and drive options
- Belt drive in Omega design
- Long-life and long-term maintenance free

PARALLEL AXIS

AXDL SERIES
Size: 110, 160, 240
- Profile with high rigidity (especially with synchronous belt drive)
- Protection against contamination for guide and drive system
- Long-life and long-term maintenance free

SYSTEM AXIS

AXLT SERIES
Size: 155, 225, 325, 455
- Particularly suitable for high loads, especially torque loads
- Protected guidance and drive system by optional bellows
- Can be combined to cross table variations

AXF SERIES
Size 100
Based on the AXC series.
- Available with tooth belt and screw drive
- Specially developed to prevent the deposit of residues at the profile.
- Specifically optimized for food, pharmaceutical and semiconductor industries applications

LINEAR TABLES AXIS

AXLM SERIES
Size: 155, 225, 325
- High dynamics and high accuracy
- Guidance: two parallel assembled linear guides
- Particularly suitable for high loads, especially torque loads

AXBG SERIES
Size 15, 20, 26, 33, 46, 55
- Extremely compact design and very rigid steel profile
- High positioning accuracy

GANTRY, LIFTING AND TELESCOPIC AXIS

GANTRY AXIS
- Undivided length up to 10 m
- Tooth belt or rack and pinion drive

COMPLETE SYSTEMS

LINEAR MOTOR AXIS

Lifting axis
- For loads over 1000 kg

Telescopic axis
- For vertical and horizontal applications
- Suitable for use in confined installation space
- Velocity up to 10 m/s

PRECISION AXIS

AXL SERIES
Size: 155, 225, 325, 455
- Particularly suitable for high loads, especially torque loads
- Protected guidance and drive system by optional bellows
- Can be combined to cross table variations
**BALL SCREWS**
- Diameter 6 to 80 mm for rolled and 4 to 120 mm for grinded ball screws
- Right and left hand helix
- Customized end machining
- Fixed and floating bearing units

**BALL SCREW SUPPORT**
- BSTK - BSTF
  - Shaft diameter 17 - 60 mm
  - High load rating for vertical applications
  - Easy assembling
  - High service life time
  - High rigidity
- BK - BF - EK - EF
  - Shaft diameter 06 - 50 mm
  - Asian range of bearing units
  - Well known dimension

**BALL SPLINES**
- Diameters for
  - Cylindrical nuts 04 - 100 mm
  - Flange type nuts 06 - 60 mm
  - Rotary type nuts 06 - 60 mm
- High linear and rotation velocity
- High load rating
- Torque and force transmission by simultaneous rotation and linear movements
- Customized machining

**BALL BUSHINGS**
- Diameter 3 to 150 mm
- Standard linear ball bushings and super linear ball bushings
- Standard material and stainless steel available
- Linear Sets
- Support rails, shaft supports, traverses, solid and hollow shafts

**BALL SPLINES**
- Standard combinations with the AXS, AXC and AXDL range
  - Modular design system
  - Special solutions for specific or customised applications
  - Optional with switches and energy chains, gantry support legs and all connecting elements
  - Ready for installation

**LINEAR GUIDES**
- Standard series in size 15 - 55
  - Miniature series in size 07 - 15
- Conventional version and version with patented ball chain technology
- Dimension according to DIN 645
- High load ratings
- Long-term maintenance-free for carriages with ball chain
- Jointed rails with universal combined segments
- Standard series with 4 ball rows and arrangement of a race ways at a 45°angle
- Standard carriages with lubrication connection from all sides

**Lifting axis with safety brakes and clamping elements**
LINEAR MOTION RANGE

Further information

- On our Website: www.ntn-snr.com
- 3D drawings on: www.cad.ntn-snr.info
- In our catalogues

Please send your requests to:
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Present all over the world