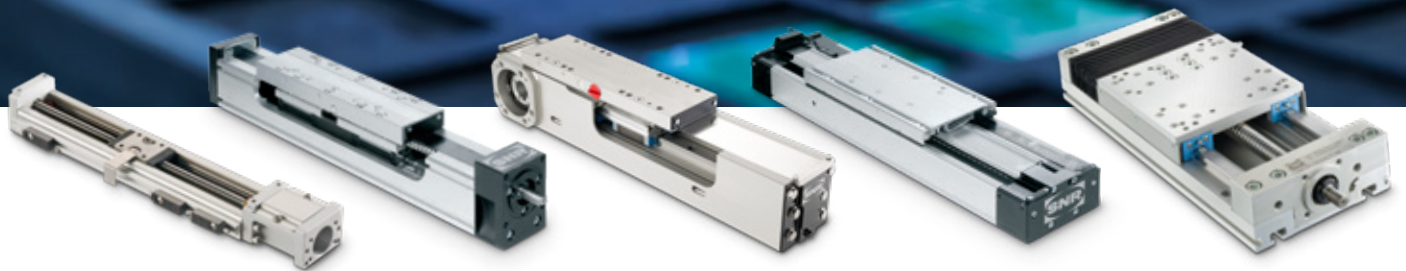




Brand of **NTN Group**

LINEAR AXIS RANGE

Linear engineering for professionals





Multi axis system

SNR Linear Axis can be quickly combined with each other and integrated into existing systems. They bring additional advantages through their reliability and durability. NTN Europe Engineering provides one-stop support for the design of individual Linear Axis and the development of system solutions.

Through the optimal interaction of mechanics and electronics we offer short design times and optimised system configurations.

Standard solutions

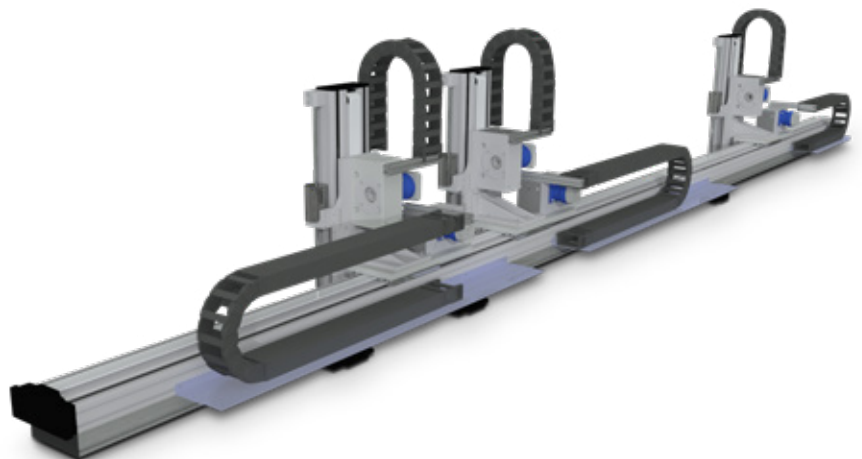
Standard combinations



Special Solutions

Special solutions for customer-specific applications

For example, lifting axis with safety brakes and clamping elements.



Compact axis



AXC SERIES

Size : 40, 60, 80, 100, 120

Modular design, system universally applicable as single-axis or in complex multi-axis systems.

- Different guiding and drive options
- Optimal ratio between stroke and total length
- Long-life and low maintenance costs



AXF SERIES

Size 100

Based on the AXC series.

- Available with toothed belt and screw drive
- Specially developed to prevent residue accumulation
- Specifically optimised for food, pharmaceutical and semiconductor industry applications

Precision axis



AXBG SERIES

Size : 15, 20, 26, 33, 46, 55

- Extremely compact design and very rigid steel profile
- High positioning accuracy

Parallel axis



AXDL SERIES

Size : 110, 160, 240

- Profile with high rigidity (especially with toothed belt drive)
- Protection against contamination for guiding and drive system
- Long-life and low maintenance costs

Linear tables axis

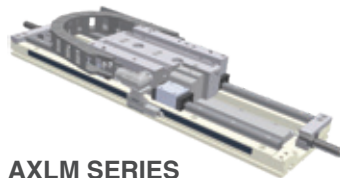


AXLT SERIES

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 create cross table variations

Linear motors axis



AXLM SERIES

Size : 155, 225, 325

- High dynamics and high accuracy
- Two parallel linear guides as guiding system
- High loads, especially torque loads

Standard axis



AXE SERIES

Size : 40, 60, 80, 100, 110, 160

- Standard length and accessories
- Online configuration

Gantry, beam lifting and telescopic axis



AXS SERIES

Telescopic axis

- For vertical and horizontal applications
- Velocity up to 10 m/s

Beam axis

- For parallel use with large spaces and large travel ranges
- Tolerance compensation system

Lifting axis

- For weights over 1000 kg

Gantry axis










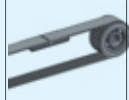


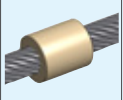






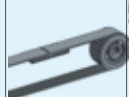

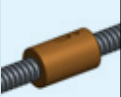
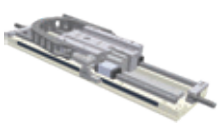




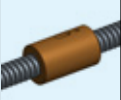





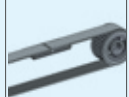
- Undivided length up to 10 m
- Toothed belt or rack and pinion drive

A WIDE RANGE OF LINEAR AXIS



NTN Europe has been established in the linear technology market since 1985 and strives to offer a complete and competitive product range. SNR Linear Axis are developed and manufactured in our plant in Bielefeld. With a well-organised network of sales engineers and sales agents worldwide we can offer you dedicated and competent technical support at any time.

SNR Linear Axis are universally applicable modules that accommodate the steadily growing requirements for the automation of installation and manufacturing processes. They are suitable for the most diverse applications in various industries: factory automation, machine tools, electrical engineering/electronic hardware, automotive industry, printing industry, special-purpose machines, clean-room applications in the semiconductor industry, food industry.

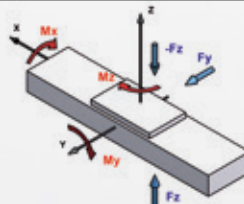
Technical characteristics

		SIZE	GUIDING SYSTEM			DRIVE SYSTEM			
			A, B, C, D, E, H, G, R, S, T, U	L, M	P	A, Y, Z	S	T	G
AXC		40, 60, 80, 100, 120							
AXF		100							
AXBG		15, 20, 26, 33, 46, 55							
AXDL		110, 160, 240							
AXLM		155, 225, 325							
AXLT		155, 225, 325, 455							
AXS		110, 120, 200, 230, 240, 280, 300, 460, 500							
AXE		40, 60, 80, 100, 110, 160							

The modular design of our axis allows a high flexibility and thus can fulfill almost every customer request. SNR linear axis can be quickly combined with each other and integrated into existing systems. It also means lower assembling costs for the end user.

		MAX. DYNAMIC TORQUE LOADS			MAX. DYNAMIC TORQUE LOADS			PROTECTION TYPE			MAX LENGTH (one-piece)
M	E	Fy[N]	Fz [N]	-Fz [N]	Mx [Nm]	My [Nm]	Mz [Nm]	Cover strip	Bellows	Cover plate	[M]
		10500	10500	10500	140	2150	2150	x			8**
		7000	7000	7000	200	325	325	x			6
		86,4*	86,4*	86,4*	3153*	3190*	3802*			x	1,489
		12500	12500	12500	1050	2250	2250	x			6,35
		37070	51270	22870	2350	5220	5220		x	x	3,2
		33000	33000	33000	5000	4700	4700		x		3,2
		50500	50500	50500	10000	12000	12000				12**
		6000	9000	9000	475	475	475				8,14**

* with 2 long carriages
 ** undivided





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