

PROFILE RAIL SYSTEMS

Runner Block Types

NOOK Precision Profile Rails are available in two designs. One design utilizes steel return tubes for ball recirculation and the other utilizes a plastic end cap for ball recirculation.

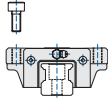
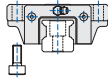
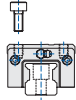
The tube type recirculation system enables the carriage to be used for higher speed applications. The plastic end cap runner block is narrower in width than the return tube style block. Depending upon the requirements of height, loads, mounting holes, etc. the users may choose from eight different models.

LOAD	SIZE	RUNNER BLOCK LENGTH	RECIRCULATION METHOD	MOUNTING METHOD
H heavy load		normal runner block	E end cap type	A tapped hole on flange
U heavy load compact		L long runner block	T tube type	B drilled hole on flange
		S short runner block		R tapped hole runner block

Examples:

N	H heavy load	25	normal runner block	E end cap type	A tapped hole on flange
N	U heavy load compact	30	S short runner block	E end cap type	R tapped hole runner block

PRODUCT OVERVIEW AND PART NUMBER REFERENCE

Classification	ultra heavy load type - with long runner block		
	flange type		narrow width
Model	NH-LEA	NH-LEB	NH-LER
Runner Block mounting direction			
Permissible speed (m/min.)	120	120	120
Accuracy grade (C1=precision, C7=commercial)	C001-C7	C001-C7	C001-C7
Preload (T=clearance, T3=heavy)	T-T3	T-T3	T-T3
Vibration Behavior	○	○	○
Noise	○	○	○
Page number	26-27	28-29	30-31
Coefficient of friction	0.005 max (rolling)		
Heat resistance	80°C (100°C with special insulation)		
Corrosion resistance	Hard chrome plating and RAYDENT™ coating available as options		
Lubrication	Lithium based grease or centralized oil lubrication system. (Lubricate every six months or after every 100 Km of travel)		
Seals	Other than standard equipped seals, there are bellows, cap plugs and scrapers available as options		

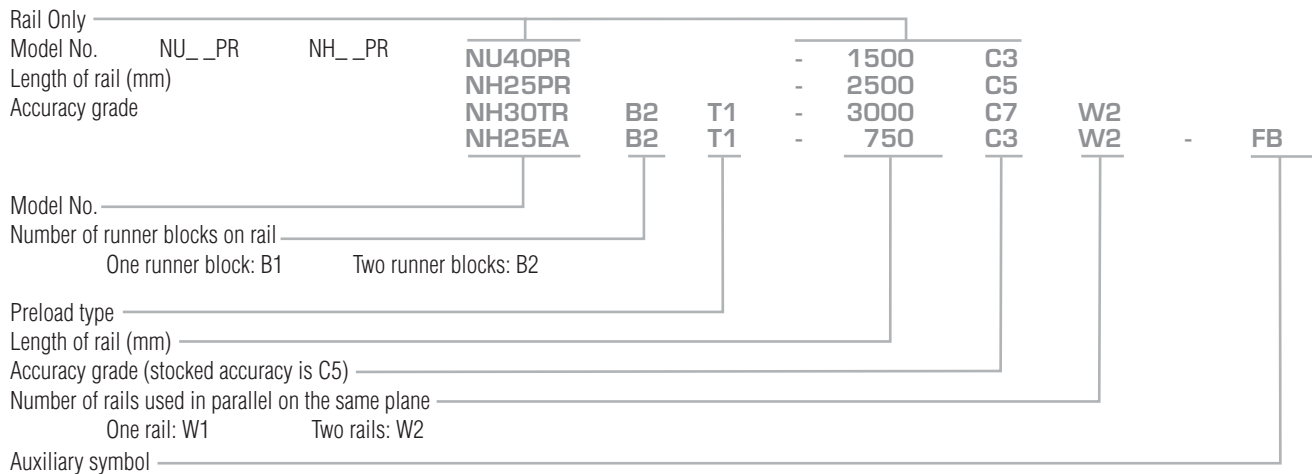
See unit conversion on page 48

○ Low

● Very Low

REFERENCE NUMBER

The following numbers are used to reference the type of NOOK Precision Profile Rail Systems. When placing an order, please specify the numbers by referring to the following guide.



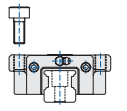
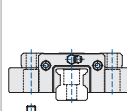
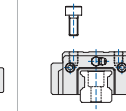
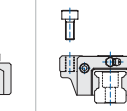
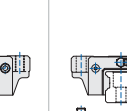
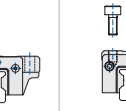
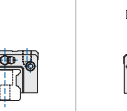
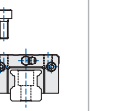
Explanation of auxiliary symbol

1. Non-standard rail
2. Non-standard runner block
3. Other non-standard specification.

A: Joined rail: If the length of rail exceeds maximum length available, precisely matched, individual lengths can be supplied for butting together.
 Please refer to page 44 and 45 for joined rail drawing templates.

F: Plugs for mounting holes on rail: All rails are shipped with plugs for mounting holes unless otherwise specified. (F).

B: Special bellows: If bellows are required, please indicate suffix/B. In this case, tapped fixing holes will be provided on each of the rails.

	heavy load type						medium load type	
	high speed			flange type		narrow width	compact high rigidity	compact high rigidity
	NH-TA	NH-TB	NH-TR	NH-EA	NH-EB	NH-ER	NU-ER	NU-SER
								
	200	200	200	120	120	120	120	120
	C001-C7	C001-C7	C001-C7	C001-C7	C001-C7	C001-C7	C001-C7	C001-C7
	T-T3	T-T3	T-T3	T-T3	T-T3	T-T3	T-T3	T-T3
	⊙	⊙	⊙	○	○	○	○	○
	⊙	⊙	⊙	○	○	○	○	○
	34-35	36-37	38-39	26-27	28-29	30-31	42-43	42-43

See unit conversion on page 48