

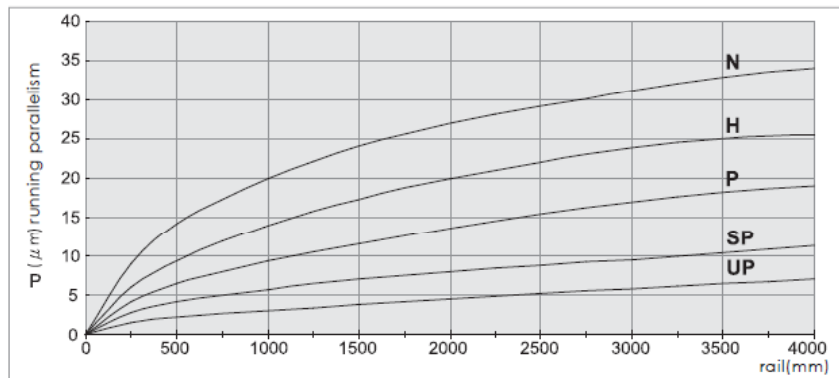
## Accuracy

The ARC/HRC/ERC linear guides provide 5 different grades of precision : N, H, P, SP, and UP, Engineers can choose different grades depend on the machine applications.

### Accuracy

		Table of accuracy					
Accuracy grades ( $\mu\text{m}$ )			UP	SP	P	H	N
	Tolerance of dimension height H	H	$\pm 5$	$\pm 10$	$\pm 20$	$\pm 40$	$\pm 100$
	Variation of height for different runner Block on the same position of Rail	$\Delta H$	3	5	7	15	30
	Tolerance of dimension width $W_2$	$W_2$	$\pm 5$	$\pm 7$	$\pm 10$	$\pm 20$	$\pm 40$
	Variation of width for different runner Block on the same position of Rail	$\Delta W_2$	3	5	7	15	30

### Accuracy of the running parallelism



### Application

class	Movement, Conveyance	Manufacturing Equipment	High Precision Manufacturing Equipment	Measuring Equipment
N	●	●		
H	●	●	●	
P		●	●	●
SP			●	●
UP				●
Examples	1. Conveyance system 2. Industrial robots 3. Office Machinery	1. Woodworking machine 2. Punching press 3. Injection Molding machine	1. Lathe/milling machine/ grinding machine 2. Electrical discharge machining (EDM) 3. CNC machining center	1. Three dimensional measuring instrument 2. Detection mirror/ head shaft 3. X-Y Table