

## Technical information

### 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

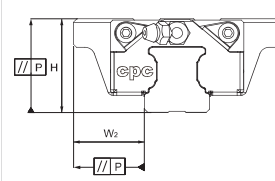
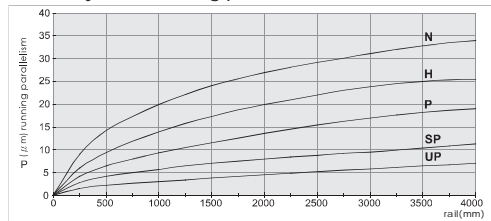


		Table of accuracy					
Accuracy grades (μm)			UP	SP	P	H	N
Tolerance of dimension height H	H	±5	±10	±20	±40	±100	
Variation of height for different runner Block on the same position of Rail	ΔH	3	5	7	15	30	
Tolerance of dimension width W <sub>2</sub>	W <sub>2</sub>	±5	±7	±10	±20	±40	
Variation of width for different runner Block on the same position of Rail	ΔW <sub>2</sub>	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

## Ordering information

Model code																
ARC	U	15	M	N	B	2	Z	C	V1	P	-1480L	-20	-20	II	/J	
													Customization code			
													Number of rails on the same moving axis			
													End hole pitch (mm)			
													Starting hole pitch (mm)			
													Rail length (mm)			
													Accuracy grade : UP, SP, P, H, N			
													Preload class : VC, V0, V1, V2			
													C : with ball chain			
													Z : with lubrication storage pad			
													Block quantity			
													Seal type : B: Low friction S: Standard			
													Block length : L: long N: standard S: short			
													Block width : M: standard F: flanged			
													Block type : 15, 20, 25, 30, 35, 45, 55			
													U: rail (tapped from the bottom)			
													Product type : ARC: automation series HRC/ERC: heavy load series			

### Customization code(The meaning of suffix characters)

J : Butt-jointing track rail	R : Special process for rail	SG : Getting through the side grease holes and installed with the set screws
G : Customer designated lubricant	VD : Customized designated preload	MC : With metal caps for counter holes on the rail
I : With Inspection report	OA : Block install with grease nipple by <b>cpc</b> (Please contact <b>cpc</b> for direction of grease nipple installation)	PC : With plastic caps for counter holes on the rail
S : Special straightness for rail	DE : Reference edges of block and rail on opposite sides	
B : Special process for block	BL : With below for the rail	
BR : Black chrome coating treatment on the rail	CR : Clear chrome coating treatment on the rail	RR : Raydent coating treatment on the rail
BB : Black chrome coating treatment on the block	CB : Clear chrome coating treatment on the block	RB : Raydent coating treatment on the block
BRB : Black chrome coating treatment on the block and rail	CRB : Clear chrome coating treatment on the block and rail	RRB : Raydent coating treatment on the block and rail
SB : With stainless steel ball bearings		

Note: If there is any customization need, please contact **cpc** for more information.