

2. Technical Information

2.1 Precision

Accuracy

MR Miniature Linear Guide series have three accuracy grades (P,H,N) for your choice.

		Table of accuracy			
			Precision P	High H	Normal N
	Accuracy grades (µm)				
	Tolerance of dimension height H	H	± 10	± 20	± 40
	Variation of height for different runner Block on the same position of Rail	ΔH	7	15	25
	Tolerance of dimension width W	W ₂	± 15	± 25	± 40
	Variation of width for different runner Block on same position of Rail	ΔW ₂	10	20	30

Speed

The maximum speed for the standard MR-SS/ZZ type is :

V_{max} = 3 m/s

Maximum acceleration

A_{max} = 250 m/s²

(If preload V0, capable of reaching 40m/s²)

The maximum speed for the standard MR-EE/EZ/EU/UZ type is **V_{max} > 5 m/s**

Maximum acceleration **A_{max} = 300 m/s²**

(If preload V0, capable of reaching 60m/s²)

Accuracy of the running parallelism

