

Accuracy Grade

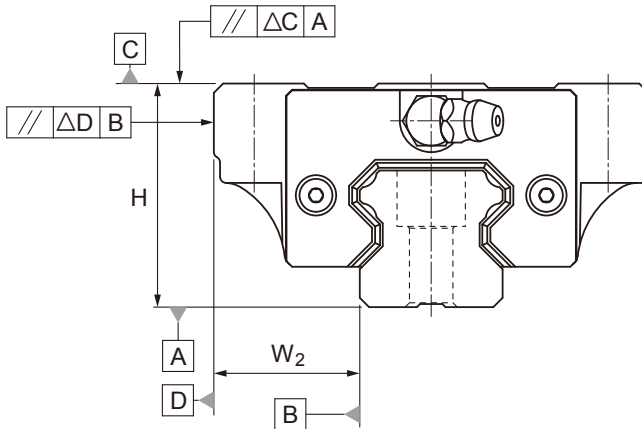


Table 8 Running Parallelism

Rail length (mm)		Running Parallelism Values (μm)				
Above	Or less (incl.)	N	H	P	SP	UP
0	315	9	6	3	2	1.5
315	400	11	8	4	2	1.5
400	500	13	9	5	2	1.5
500	630	16	11	6	2.5	1.5
630	800	18	12	7	3	2
800	1000	20	14	8	4	2
1000	1250	22	16	10	5	2.5
1250	1600	25	18	11	6	3
1600	2000	28	20	13	7	3.5
2000	2500	30	22	15	8	4
2500	3000	32	24	16	9	4.5
3000	3500	33	25	17	11	5
3500	4000	34	26	18	12	6

Non-Interchangeable Type

Model No.	Item	Accuracy Grade				
		Normal N	High H	Precision P	Super Precision SP	Ultra Precision UP
15 20	Tolerance for height H	±0.1	±0.03	0 -0.03	0 -0.015	0 -0.008
	Height difference ΔH	0.02	0.01	0.006	0.004	0.003
	Tolerance for distance W ₂	±0.1	±0.03	0 -0.03	0 -0.015	0 -0.008
	Difference in distance W ₂ (ΔW ₂)	0.02	0.01	0.006	0.004	0.003
	Running parallelism of surface C with surface A	ΔC (see the Table 8)				
	Running parallelism of surface D with surface B	ΔD (see the Table 8)				
25 30 35	Tolerance for height H	±0.1	±0.04	0 -0.04	0 -0.02	0 -0.01
	Height difference ΔH	0.02	0.015	0.007	0.005	0.003
	Tolerance for distance W ₂	±0.1	±0.04	0 -0.04	0 -0.02	0 -0.01
	Difference in distance W ₂ (ΔW ₂)	0.03	0.015	0.007	0.005	0.003
	Running parallelism of surface C with surface A	ΔC (see the Table 8)				
	Running parallelism of surface D with surface B	ΔD (see the Table 8)				
45	Tolerance for height H	±0.1	±0.05	0 -0.05	0 -0.03	0 -0.02
	Height difference ΔH	0.03	0.015	0.007	0.005	0.003
	Tolerance for distance W ₂	±0.1	±0.05	0 -0.05	0 -0.03	0 -0.02
	Difference in distance W ₂ (ΔW ₂)	0.03	0.02	0.01	0.007	0.005
	Running parallelism of surface C with surface A	ΔC (see the Table 8)				
	Running parallelism of surface D with surface B	ΔD (see the Table 8)				

Interchangeable Type

Model No.	Item	Accuracy Grade		
		Normal N	High H	Precision P
15 20	Tolerance for height H	±0.1	±0.03	0 -0.03
	Height difference ΔH	0.02	0.01	0.006
	Tolerance for distance W_2	±0.1	±0.03	0 -0.03
	Difference in distance $W_2(\Delta W_2)$	0.02	0.01	0.006
	Running parallelism of surface C with surface A	ΔC (see the Table 8)		
	Running parallelism of surface D with surface B	ΔD (see the Table 8)		
25 30 35	Tolerance for height H	±0.1	±0.04	0 -0.04
	Height difference ΔH	0.02	0.015	0.007
	Tolerance for distance W_2	±0.1	±0.04	0 -0.04
	Difference in distance $W_2(\Delta W_2)$	0.03	0.015	0.007
	Running parallelism of surface C with surface A	ΔC (see the Table 8)		
	Running parallelism of surface D with surface B	ΔD (see the Table 8)		
45	Tolerance for height H	±0.1	±0.05	0 -0.05
	Height difference ΔH	0.03	0.015	0.007
	Tolerance for distance W_2	±0.1	±0.05	0 -0.05
	Difference in distance $W_2(\Delta W_2)$	0.03	0.02	0.01
	Running parallelism of surface C with surface A	ΔC (see the Table 8)		
	Running parallelism of surface D with surface B	ΔD (see the Table 8)		

Note: Definition of interchangeable: It is confined to the carriage on the single rail, not including the exchange of multiple rails and carriages.