Accuracy Grade

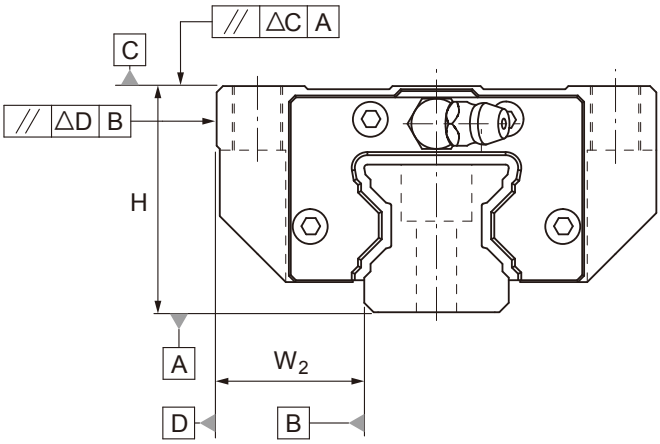

Table 6 Running Parallelism

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

Non-Interchangeable Type

Model No.	Item.	Accuracy Grade			
		High **H**	Precision **P**	Super Precision **SP**	Ulitra Precision **UP**
20 **25** **30** **35**	Tolerance for height H	±0.04	0 -0.04	0 -0.02	0 -0.01
	Height difference ΔH	0.015	0.007	0.005	0.003
	Tolerance for distance W_2	±0.04	0 -0.04	0 -0.02	0 -0.01
	Difference in distance W_2(ΔW_2)	0.015	0.007	0.005	0.003
	Running parallelism of surface C with surface A	ΔC (see the Table 6)			
	Running parallelism of surface D with surface B	ΔD (see the Table 6)			
45 **55**	Tolerance for height H	±0.05	0 -0.05	0 -0.03	0 -0.02
	Height difference ΔH	0.015	0.007	0.005	0.003
	Tolerance for distance W_2	±0.05	0 -0.05	0 -0.03	0 -0.02
	Difference in distance W_2(ΔW_2)	0.02	0.01	0.007	0.005
	Running parallelism of surface C with surface A	ΔC (see the Table 6)			
	Running parallelism of surface D with surface B	ΔD (see the Table 6)			
65	Tolerance for height H	±0.07	0 -0.07	0 -0.05	0 -0.03
	Height difference ΔH	0.02	0.01	0.007	0.005
	Tolerance for distance W_2	±0.07	0 -0.07	0 -0.05	0 -0.03
	Difference in distance W_2(ΔW_2)	0.025	0.015	0.01	0.007
	Running parallelism of surface C with surface A	ΔC (see the Table 6)			
	Running parallelism of surface D with surface B	ΔD (see the Table 6)			

Interchangeable Type

Model No.	Item.	Accuracy Grade	
		High **H**	Precision **P**
20 **25** **30** **35**	Tolerance for height H	±0.04	0 -0.04
	Height difference ΔH	0.015	0.007
	Tolerance for distance W_2	±0.04	0 -0.04
	Difference in distance W_2(ΔW_2)	0.015	0.007
	Running parallelism of surface C with surface A	ΔC (see the Table 6)	
	Running parallelism of surface D with surface B	ΔD (see the Table 6)	
45 **55**	Tolerance for height H	±0.05	0 -0.05
	Height difference ΔH	0.015	0.007
	Tolerance for distance W_2	±0.05	0 -0.05
	Difference in distance W_2(ΔW_2)	0.02	0.01
	Running parallelism of surface C with surface A	ΔC (see the Table 6)	
	Running parallelism of surface D with surface B	ΔD (see the Table 6)	
65	Tolerance for height H	±0.07	0 -0.07
	Height difference ΔH	0.02	0.01
	Tolerance for distance W_2	±0.07	0 -0.07
	Difference in distance W_2(ΔW_2)	0.025	0.015
	Running parallelism of surface C with surface A	ΔC (see the Table 6)	
	Running parallelism of surface D with surface B	ΔD (see the Table 6)	

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