

■ **About the accuracy of level**

Under the JIS standard, guarantee level is different from each grades.

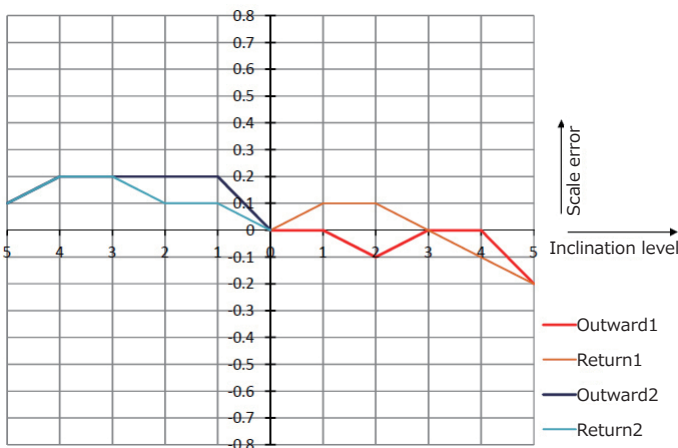
***Precision square level***

Item	Grade	Grade A-AA			Grade A (JIS B 7510)			Grade B (JIS B 7510)		
	Sensitivity	Class 1	Class 2	Class 3	Class 1	Class 2	Class 3	Class 1	Class 2	Class 3
Degree of Accuracy	Total range	± 0.2 graduations or less			± 0.5 graduations or less	± 0.3 graduations or less		± 0.7 graduations or less	± 0.5 graduations or less	
	Adjacent	0.2 graduations or less			0.2 graduations or less			0.5 graduations or less		
Squareness of the bottom to the both sides		0.015 mm /m or less	0.025 mm /m or less		0.015 mm /m or less	0.025 mm /m or less		0.02 mm /m or less	0.035 mm /m or less	
Parallelism v groove to surface with v groove		0.5 graduations or less			0.5 graduations or less			0.5 graduations or less		
Parallelism bottom to top side		0.5 graduations or less			0.5 graduations or less			0.5 graduations or less		
Flatness bottom to side surface		0.003 mm or less	0.005 mm or less		0.003 mm or less	0.005 mm or less		0.003 mm or less	0.005 mm or less	

***Precision flat level***

Item	Grade	Grade A-AA			Grade A (JIS B 7510)			Grade B (JIS B 7510)		
	Sensitivity	Class 1	Class 2	Class 3	Class 1	Class 2	Class 3	Class 1	Class 2	Class 3
Degree of Accuracy	Total range	± 0.2 graduations or less			± 0.5 graduations or less	± 0.3 graduations or less		± 0.7 graduations or less	± 0.5 graduations or less	
	Adjacent	0.2 graduations or less			0.2 graduations or less			0.5 graduations or less		
Parallelism v groove to surface with v groove		0.5 graduations or less			0.5 graduations or less			0.5 graduations or less		
Flatness bottom surface		0.003 mm or less	0.005 mm or less		0.003 mm or less	0.005 mm or less		0.003 mm or less	0.005 mm or less	

■ **Bubble tube accuracy inspection sheet**



• Grade A-AA, A and B levels are manufactured and inspected in accordance with JIS B 7510.

The figure on the left is an accuracy inspection sheet for bubble tubes.

For the grade-A precision square levels and precision flat levels (size: 200, 250 and 300 mm ), models with a sensitivity of 0.01 mm/m (2 seconds) are available.