

1.4. Accuracy Standards

When multiple LM Roller units are arranged on the same plane, the mounting heights of the LM Roller units must be identical in order to achieve uniform load distribution. The dimensional tolerance of the LM Roller in height (A) is defined as indicated in table 4. When ordering LM Roller units to be used on the same plane, specify their tolerances with the same classification symbol. Each classification symbol is marked on the package box and on the side face of the LM Roller's raceway base as indicated in Fig. 5 (except for normal class).

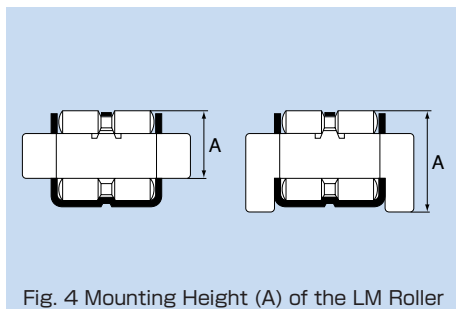


Fig. 4 Mounting Height (A) of the LM Roller

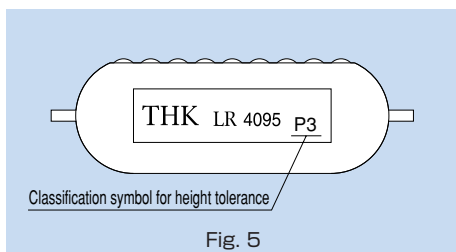


Fig. 5

Table 4 Classification of Dimensional Tolerances in Height (A)

Unit: μm

Accuracy class	Dimensional tolerance for A	Classification symbol
Normal grade	0 to -10	No Symbol
High grade	0 to - 5	H 5
	-5 to -10	H 10
Precision grade	0 to - 3	P 3
	-3 to - 6	P 6
	-6 to - 9	P 9
	-9 to -12	P 12
Ultra-precision grade	0 to - 2	SP 2
	-2 to - 4	SP 4
	-4 to - 6	SP 6
	-6 to - 8	SP 8
	-8 to -10	SP 10