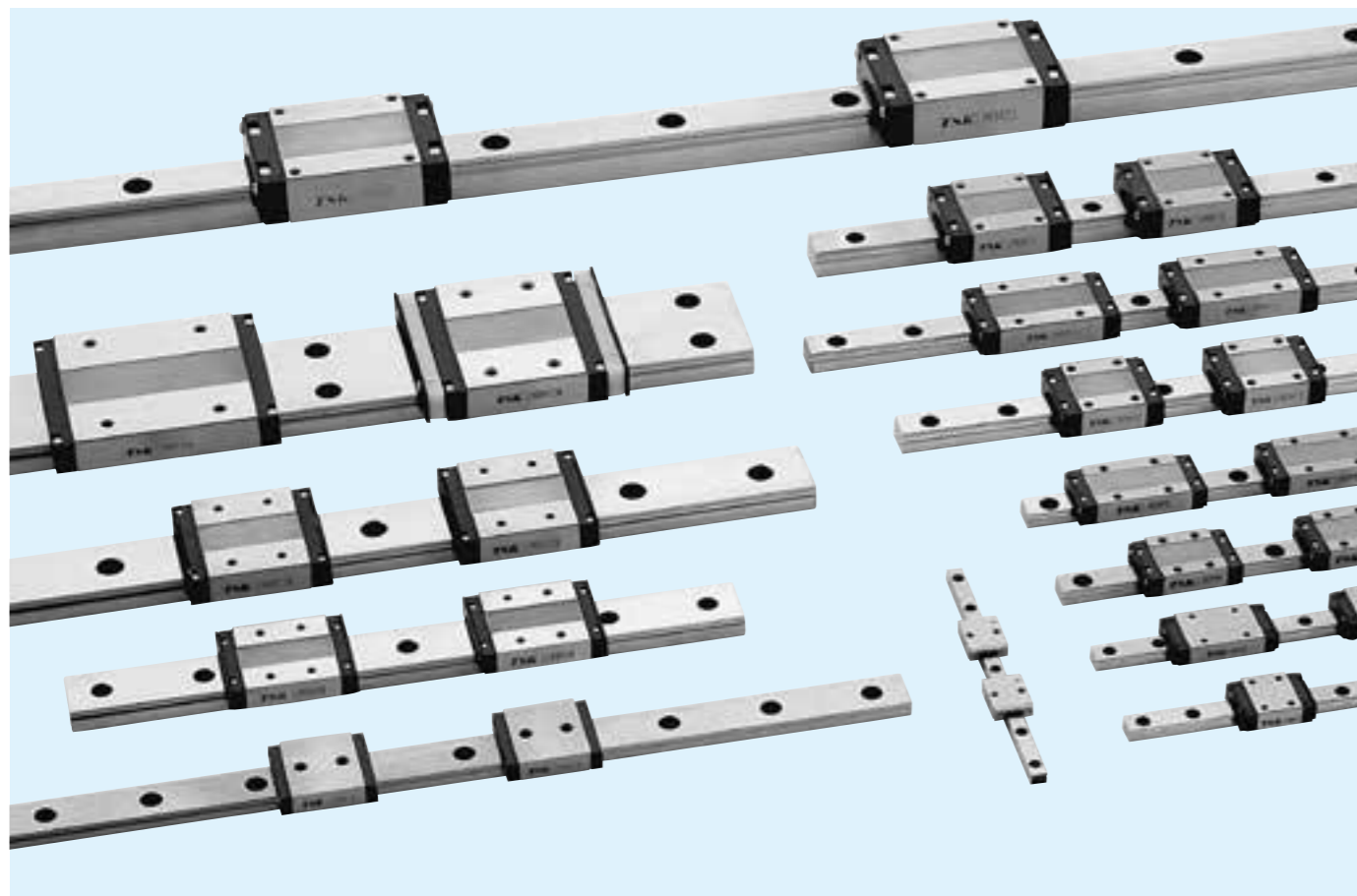


TSK Miniature Linear Guide LMBM series



Construction

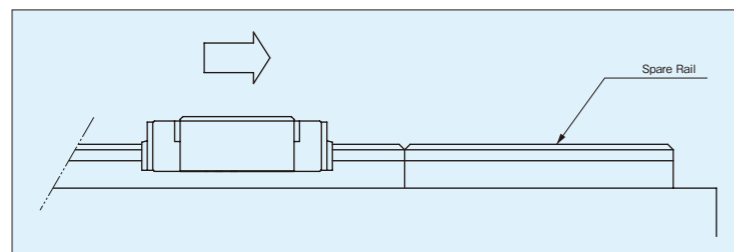
The raceways of TSK miniature type LMBM series are processed by precision machining into Gothic arch curved in two circular arcs. The steel balls move in an unlimited circulation between the rail and the two lines of grooves machined in the compact carriage.

Features

- TSK miniature LMB guide features the space-saving construction which enables the customer to mount it compactly.
- Its high rigidity is ensured by the precision grinding, though it is of small size and has low traveling resistance.
- To cope with various situations, the specifications of the stainless steel model have been standardized.
- Self-lubricating plate making re-lubrication interval longer is provided.
- Our unique way of manufacturing has enabled us to offer the competitive prices.

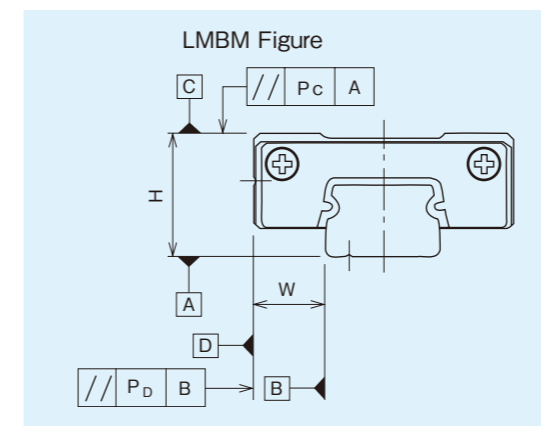
Fall Prevention

Since the LMBM series are constructed in such a way that the balls may escape when the carriage is removed from the rail, it is recommended to move the carriage on to a spare rail when it is removed. Please contact TSK for further information on a spare rail.

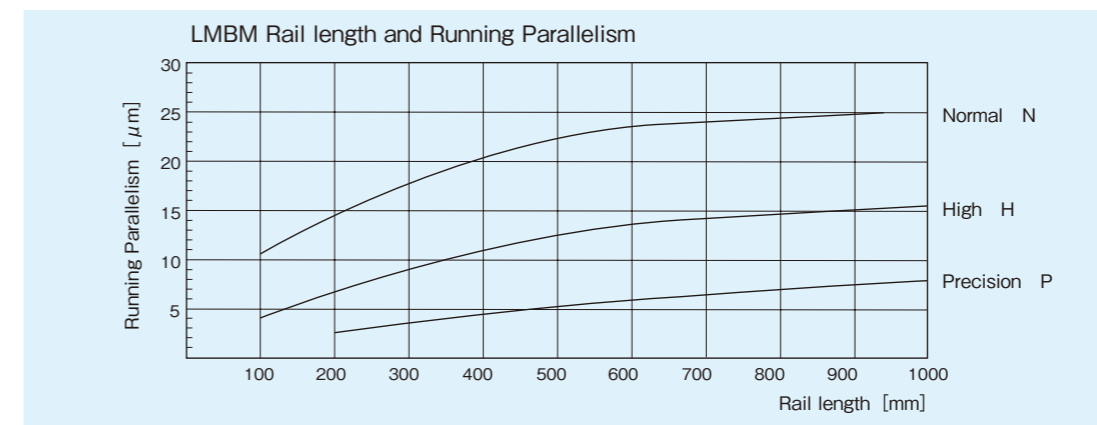


Accuracy Grade

Accuracy grade of LMBM Miniature linear guide can be selected among from Normal, High or Precision class.



Subject	Accuracy Grade [mm]			
	Grade Mark	Normal	High	Precision
Running parallelism of C against to A.	No Mark	H	P	See curves below
Running parallelism of D against to B.	No Mark	H	P	See curves below
Dimension accuracy of height H.		±0.040	±0.020	±0.010
Pair mutual difference of height H.		0.030	0.015	0.007
Dimension accuracy of width W.		±0.040	±0.025	±0.015
Pair mutual difference of width W.		0.030	0.020	0.010
Pc		0.020	0.010	0.005
Pd		0.015	0.010	0.005



Preload

The radial clearance of LMBM can be selected from Blank (Normal) or C1 (Slight preload).

Model	Class [μm]	
	Normal Mark	Slight preload
LMBM 7	Blank ±2	C1 -3~0
LMBM 9	Blank ±2	C1 -4~0
LMBM 12	Blank ±3	C1 -6~0
LMBM 15	Blank ±5	C1 -10~0
LMBM 7W	Blank ±2	C1 -3~0
LMBM 9W	Blank ±2	C1 -4~0
LMBM 12W	Blank ±3	C1 -6~0
LMBM 15W	Blank ±5	C1 -10~0

Specification Number

LMBM7	L	S	-	B2	-	C1	+	110	RD	H	W2
Model#.	Length of Carriages C : Short type Blank : Standard L : Long type	Self-lubricating plate Blank : No Plate S : Plate		Number of Carriages per rail		Preload Blank : Standard C1 : Slight Preload		Rail Length	Anti Corrosion Coating Blank : Stainless steel RD : Anti Corrosion Coating	Accuracy Grade Blank : Normal H : High Grade P : Precision Grade	Number of tracks Blank : 1 axis W2 : 2 axes