

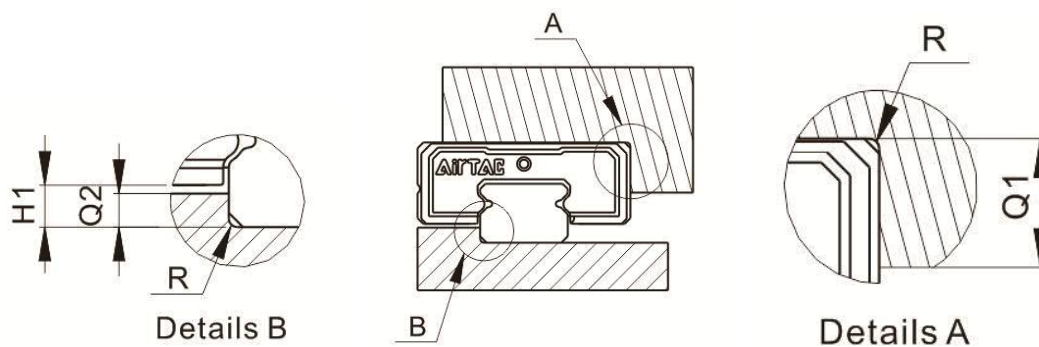
1. Height and Chamfer of Reference Edge

In order to ensure accurate assembly of LRM Linear Guide system, the corners of the datum edges can not exceed the recommended value in the following table.

Model	Q1	Q2	H1	R
LRM5	1.4	0.7	1	0.2
LRM7	5.5	1.2	1.5	0.2
LRM9	7	1.7	2	0.3
LRM12	9	2.7	3	0.4
LRM15	10	3.2	3.5	0.5

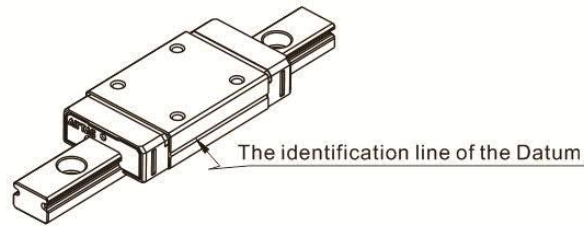
2. Screw Fastening Torque

Screw size	Screw fastening torque(N.m)	
	Stainless Steel	Carbon steel
M2	0.31	0.6
M3	1.1	1.3
M4	2.5	2.9



3. Datum Edge

- The datum edge should be ground or fine milled to reach the accuracy of linear guide.
- Rail : Both sides can be used as the datum edge.
- Block : Both sides can be used as the datum edge.
- When more than one blocks are mounted on the same rail, the blocks' datum are recommended to be on the same side. It will achieve better walking accuracy.



4. Lubrication

When the linear guide works in a good state of lubrication, it can reduce wear significantly and increase the rating life. Lubricants have the following effects :

- Reduce the friction between the rolling element and the contact surface to minimize the wear.
- The formation of oil film between the contact surfaces can extend the rolling fatigue life.
- Prevent rust.

5. Lubrication Method

1. Please refer to the following table for oiling.
2. After filling grease, the block needs to run back and forth first to make grease evenly distributed.
3. Lubrication can be done either manually or automatically.

Model	Initial lubrication (cm ³)	Lubricant supplement (cm ³)
LRM5N	0.02	0.01
LRM5L	0.03	0.015
LRM7N	0.1	0.05
LRM7L	0.13	0.07
LRM9N	0.2	0.1
LRM9L	0.28	0.14
LRM12N	0.34	0.17
LRM12L	0.45	0.23
LRM15N	0.72	0.36
LRM15L	1.0	0.50

lubrication Note: In order to prevent deterioration, please avoid mixing different types of oil.