

IKO

New

Protect linear motion products
from foreign substances

Zipped Dust Cover

Patent pending

Table

C-Lube Linear Way

Cover (Polyurethane)

*Configuration example when mounting the Zipped Dust Cover on IKO C-Lube Linear Way.

YKK™

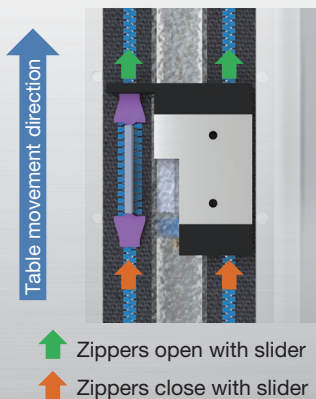
Little Parts. Big Difference. >>>

Jointly developed high-durability Zipper

"YKK" and "YKK Little Parts. Big Difference." are registered trademarks or trademarks of YKK Corporation in Japan as well as in other countries and regions.

Structure

The slider built into the table enables the high-durability zippers to open and close when the table performs linear motion, achieving both linear motion and zipper opening and closing. The zippers remain closed everywhere except directly under the table.



↑ Zippers open with slider
↑ Zippers close with slider

Features

First of its kind Zipped Dust Cover!

This high-durability Zipped Dust Cover was jointly developed by IKO and YKK Corporation, resulting in a new concept cover. Since the cover is highly airtight, it is effective in dust prevention and in preventing foreign substances from scattering from within the cover.

Space-saving

Since the cover does not require extra space in the stroke direction as a bellows structure would, it saves space when long strokes are required.

Easy removal and replacement

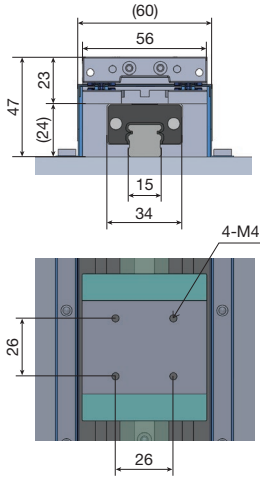
The cover alone can be removed for replacement. Equipment maintenance can be streamlined.

NIPPON THOMPSON CO., LTD.

Zipped Dust Cover design example for C-Lube Linear Way E, size 15

● Dimensions after cover installation

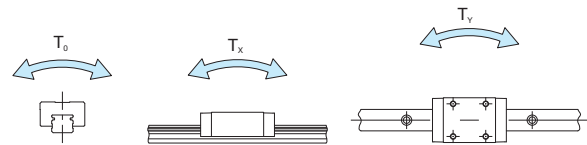
The dimensions below are an example. Actual dimensions can be discussed and proposals provided upon request.



● Allowable values

Allowable values are set in the design process for safe use and to prevent cover damage.

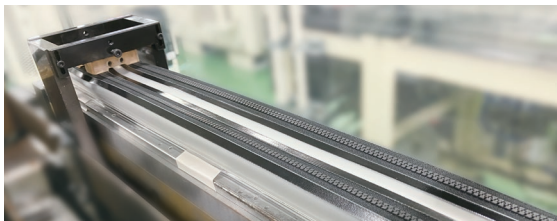
Allowable load [N]	Downward :	2650
	Lateral :	950
	Upward :	Not available
Allowable moment [N·m]	T_o :	20
	T_x :	7
	T_y :	19
Allowable speed [mm/sec]		1000
Allowable temperature [°C]		0 to 40



● Durability

It is recommended to replace the cover if there is visible damage to the zipper or cover.

Results of cover durability test



Test conditions	Stroke :	380 [mm]
	Maximum speed :	1000 [mm/sec]
	Acceleration :	1 [G]
	Dust particles, etc. :	None
Test progress	No abnormalities after traveling 100km, continued evaluation	

Manufacturing

Covers can be manufactured for IKO linear motion rolling guides as well as other IKO products, such as precision positioning tables. Contact IKO for more information.

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