

Utility Slider

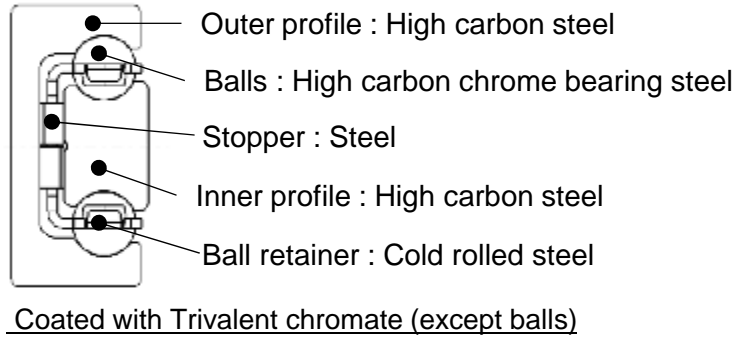
Telescopic type **ATG**



ATG22 / 28 / 35

■ Structure

The ATG slider has a high load capacity and long service life due to use of high carbon steel with hardening.



■ Feature

▪ High load capacity & Long service life

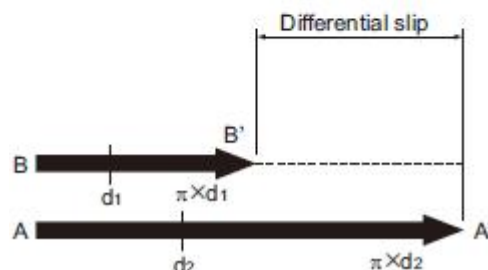
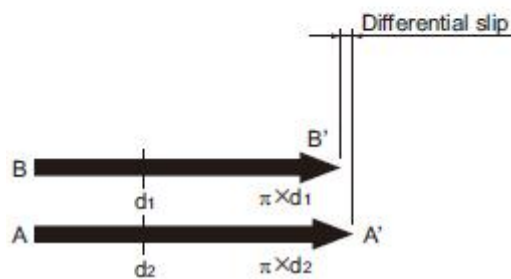
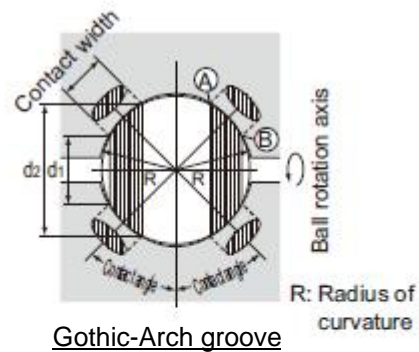
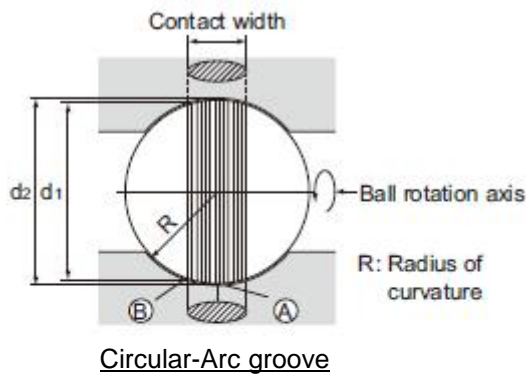
THK core technology for LM Guide "Circular-Arc Contact" with hardened steel material.

▪ High reliability

Full stroke motion reliability is provided due to shape of grooves.

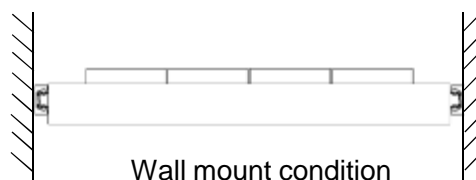
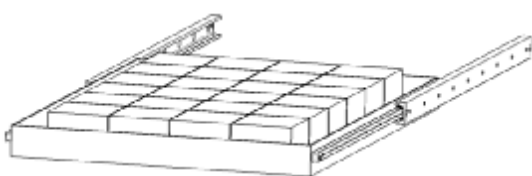
■ Advantage Circular-Arc vs Gothic-arch groove

When the ball rotates one revolution, the ball slips by the difference the circumference of the inner contact diameter (d_1) and the outer contact (d_2) which is called "Differential slip". If the difference of contact diameter is big the ball has high slipping during rotation more than 10 times and friction resistance steeply increase. Moreover, the displacement of ball cage position could easily to occurred by high differential slip.



■ Mounting condition

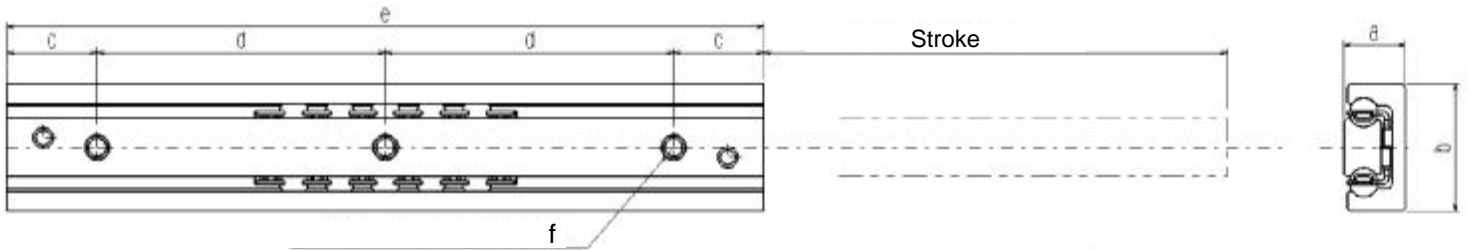
The ATG shall be used in pair with 2 rails per unit. And the wall mount are recommended. In case of single rail use or non wall mount sue please get contact with THK.



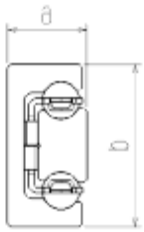
■ Dimensions table of single type of model ATG

Size	a	b	c	d	Whole length (Upper) / Maximum Stroke length (Lower)								f
ATG 22S	11	22	25	80	130	210	290	370	450	530	610	690	IM : M4 tapping
					79	114	158	202	237	281	316	351	OM : Holes for M4
ATG 28S	13	28	25	80	130	210	290	370	450	530	610	690	IM : M5 tapping
					75	117	149.5	191.5	233.5	275.5	317.5	359.5	OM : Holes for M5
ATG 35S	17	35	25	80	130	210	290	370	450	530	610	690	IM : M6 tapping
					79	114	158	202	237	281	316	351	OM : Holes for M6

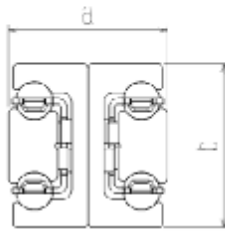
※ When any other length is required please contact THK.



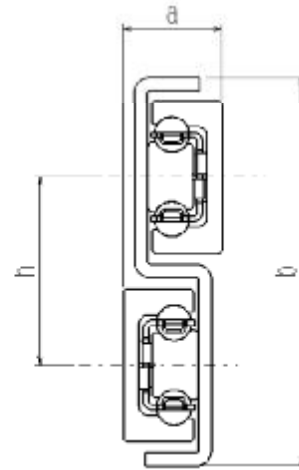
■ Rail configuration



S: Single type



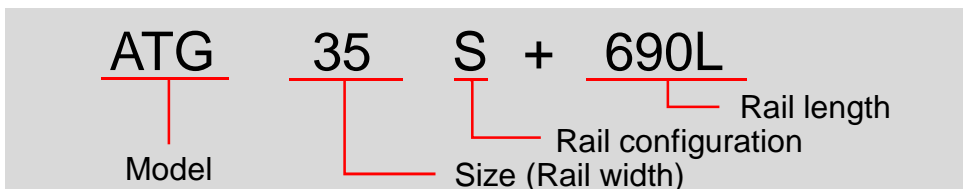
D: Double type



P: Parallel type

	S : Single	D: Double	P: Parallel
Type	ATG ** S	ATG ** D	ATG ** P

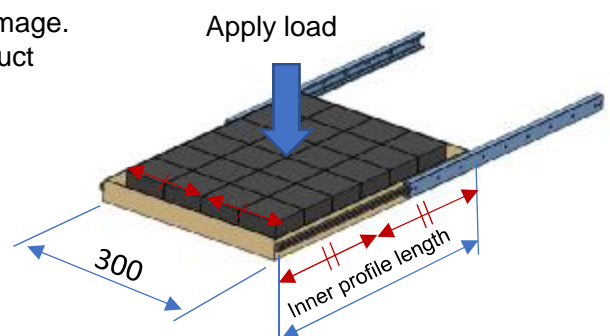
■ Model Number Coding



■ Permissible Load

Permissible load per rail in reference to specification of shown image. Moreover the rail length affect the permissible load of ATG product which is represented by the load range for each type,.

Type	Permissible Load /Rail
ATG22S	914N to 2047N
ATG28S	1773N to 3426N
ATG35S	2669N to 5048N



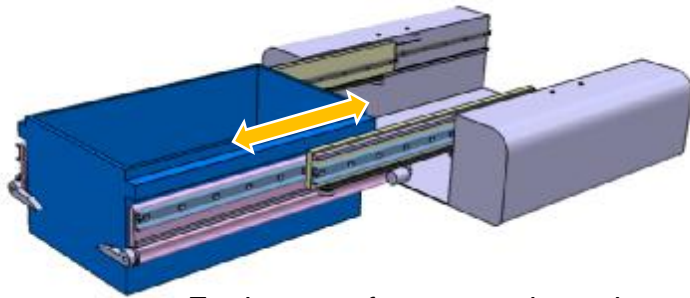
■ Application

▪ Automated Warehouse

An equipment for an automated warehouse with long stroke and heavy load.

▪ Railway applications

A Slider of door, door step and the other liner motion.



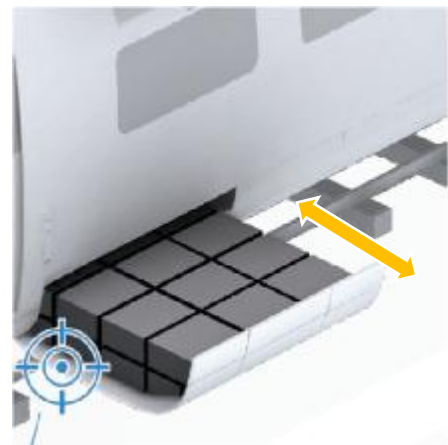
Equipment of automated warehouse



Seat slider



Train Door



Under floor equipment slider

⚠ NOTICE

- No impact force should apply to the stroke end stoppers. In case of impact force apply, additional stoppers are recommended
- Appearance and specifications may change due to improvement without any notification.
- THK basic policy requires to be compliant with Foreign Exchange, Foreign Trade Act, laws and regulations for the export of products and technologies. Please contact THK in case you want to export the product to foreign countries and you are not sure concerning the laws and regulations.

THK CO., LTD.

Headquarters : 2-12-10 Shibaura, Minato-ku, Tokyo 108-8506, JAPAN

Business Development Department : Phone +81-3-5730-3873

www.thk.com

THK CO., LTD.