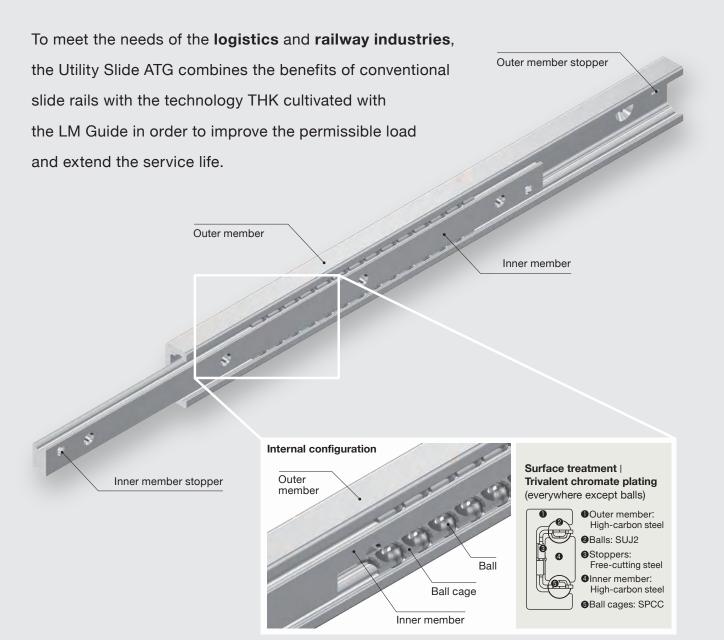
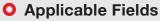


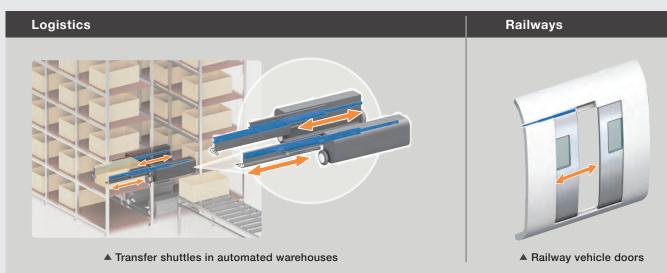


A new slide rail from THK that meets the needs of the logistics and railway industries

Utility Slide







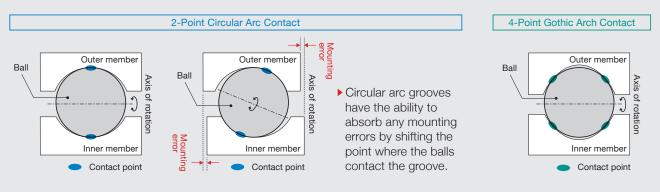
Utility Slide ATG

Feature 1 Improved Permissible Load and Extended Service Life

The Model ATG distinguishes itself from conventional slide rails by heat treating the outer and inner members to increase surface hardness and strength. The result is a high load capacity, high durability, and improved permissible load and service life compared to conventional products.

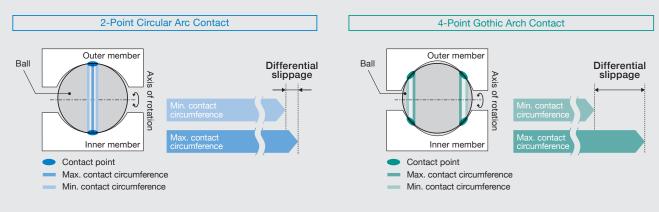
Feature 2 Easy to Install

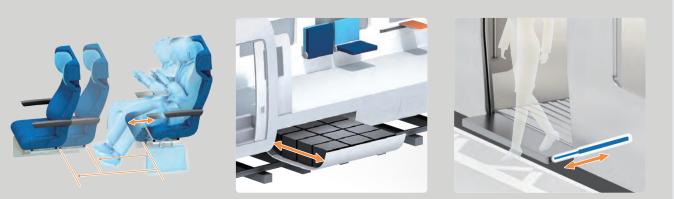
The circular arc grooves make the Model ATG excel at adjusting to slight inaccuracies in the mounting surface during installation.



Feature 3 Helps Prevent Locking at the Stroke End

Since the Model ATG features circular arc grooves, it experiences less differential slippage than conventional (Gothic arch groove) products, which helps keep balls from becoming misaligned and causing the product to lock at the stroke end. This helps improve the stability of machine operations.





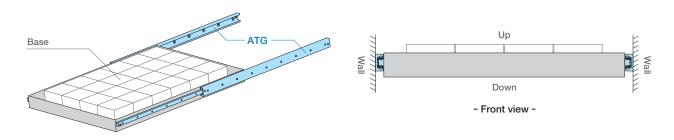
Sliding steps for railway doors

Utility Slide ATG Product Specifications

• Mounting Orientation

The Model ATG is intended to be used in a set with two slide rails mounted on a wall.

Please consult THK if you are considering using only one slide rail or installing the product in something other than a wall-mounted orientation.



O General Specifications

Item	Unit	Model						
пеш	Unit	ATG22S	ATG28S	ATG35S				
Product width	mm	22	28	35				
Permissible load ¹	N/set	1,690 to 3,920	3,410 to 6,600	5,150 to 9,740				
Max. sliding resistance ²	Ν	3	5	5				
Operating temperature range ³	°C							
Grease		AFB-LF						

1. The permissible loads are the values for one set of two slide rails. They are calculated from the permissible surface pressure based on a load centered between the inner members.

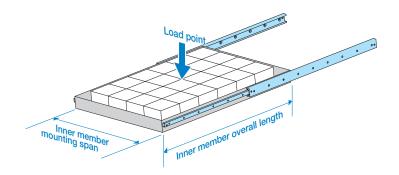
2. When assembled, the balls are adjusted to aim for zero clearance and to keep the sliding resistance at or below the upper limit.

3. Contact THK if the product will be used in an environment outside of the specified temperature range.

O Permissible Load

As shown in the figure below, the Model ATG's permissible load is calculated from the permissible surface pressure based on a load centered between the inner members.

*Please do not install the Model ATG's inner members more than around 300 mm apart. If the distance between the installed inner members will be wider than 300 mm, factor in the load that will be caused by deflection of the mounting components. Contact THK for details.



Safety Factor

When the Model ATG is stationary or in motion, an unexpected external force may be applied due to vibrations, impacts, or inertia caused by starting and stopping. It is necessary to take a safety factor into account with regard to this type of applied load.

$f_{s} = \frac{P_{0}}{P_{c}}$ $f_{s}: \text{Safety factor}$ $P_{0}: \text{Permissible load (N)}$ $P_{c}: \text{Applied load (N)}$

Standard Values for the Safety Factor

Based on the usage conditions, treat the safety factor values in the table to the right as the lower limit of the standard value. When selecting the model and member length, make sure that the value is higher than the lower limit of the safety factor fs obtained by dividing the permissible load by the applied load.

Standard Values for the Safety Factor (fs)

Machine type	Load conditions	Lower limit of fs
General industrial machinery (Automated warehouses,	Without vibrations or impacts	1.0 to 3.5
doors, etc.)	With vibrations or impacts	2.0 to 5.0

Lubrication

Standard Grease

AFB-LF Grease is a general-purpose grease that provides excellent extreme pressure and mechanical stability properties through the use of a refined mineral oil base oil and a lithium-based consistency enhancer.

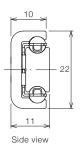
*Non-standard greases are also available. Contact THK for details.

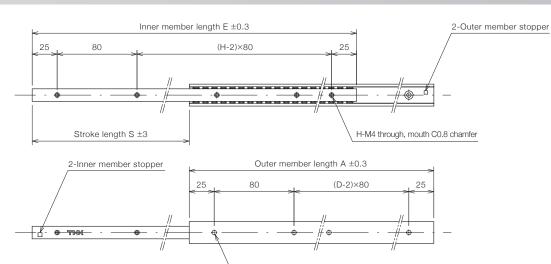
AFB-LF Representative Physical Properties

Item	-	Representative property	Testing method
Consistency enha	ancer	Lithium-based	
Base oil		Refined mineral oil	
Base oil kinematic viscosity	: mm²/s (40°C)	170	JIS K 2220 23
Worked penetration (2	5℃, 60 W)	275	JIS K 2220 7
Mixing stability (100	,000 W)	345	JIS K 2220 15
Dropping point	: °C	193	JIS K 2220 8
Evaporation volume: mass	% (99°C, 22 h)	0.4	JIS K 2220 10
Oil separation rate: mass%	(100°C, 24 h)	0.6	JIS K 2220 11
Copper plate corrosion (B meth	od, 100°C, 24 h)	Passed	JIS K 2220 9
Low-temperature torque:	Starting	130	JIS K 2220 18
mN ⋅ m (-20°C)	Rotational	51	JIS K 2220 10
4-ball testing (welding	g load): N	3089	ASTM D2596
Operating temperature	e range: °C	-15 to 100	
Color		Yellowish brown	

Utility Slide ATG **Specification Tables**

ATG22



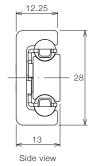


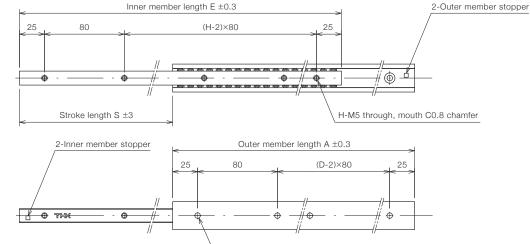
D-M4 countersink

			<u> </u>				Unit: mm
Model	Stroke	Outer member	Inner member	No. of mou	nting holes	Permissible load	Weight
wouer	S	length A	length E	D	Н	N/set	kg/set
ATG22S+130L	79.4	130	130	2	2	1,690	0.35
ATG22S+210L	114.4	210	210	3	3	2,920	0.57
ATG22S+290L	158.4	290	290	4	4	3,010	0.79
ATG22S+370L	202.4	370	370	5	5	3,120	1.01
ATG22S+450L	237.4	450	450	6	6	3,490	1.24
ATG22S+530L	281.4	530	530	7	7	3,500	1.46
ATG22S+610L	316.4	610	610	8	8	3,730	1.68
ATG22S+690L	351.4	690	690	9	9	3,920	1.91

Note 1) The permissible load and weight are the values for one set of two slide rails. Note 2) Contact THK if a non-standard length longer than the maximum standard length, a special length, or a special stroke is desired.

ATG28



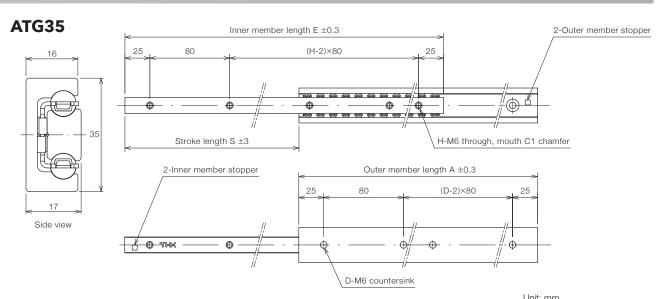


D-M5 countersink

Unit: mm

Model	Stroke	Outer member	Inner member	No. of mou	nting holes	Permissible load	Weight
Widdei	S	length A	length E	D	Н	N/set	kg/set
ATG28S+130L	75	130	130	2	2	3,410	0.50
ATG28S+210L	117	210	210	3	3	4,560	0.83
ATG28S+290L	149.5	290	290	4	4	6,000	1.15
ATG28S+370L	191.5	370	370	5	5	6,220	1.47
ATG28S+450L	233.5	450	450	6	6	6,370	1.80
ATG28S+530L	275.5	530	530	7	7	6,470	2.12
ATG28S+610L	317.5	610	610	8	8	6,540	2.44
ATG28S+690L	359.5	690	690	9	9	6,600	2.86

Note 1) The permissible load and weight are the values for one set of two slide rails. Note 2) Contact THK if a non-standard length longer than the maximum standard length, a special length, or a special stroke is desired.



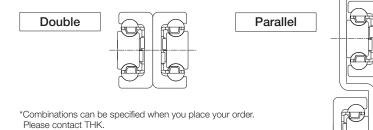
							Unit. mim
Model	Stroke	Outer member	Inner member	No. of mou	nting holes	Permissible load	Weight
Iniodei	S	length A	length E	D	Н	N/set	kg/set
ATG35S+210L	128.7	210	210	3	3	5,150	1.33
ATG35S+290L	157.9	290	290	290 4		7,990	1.87
ATG35S+370L	199.8	370	370	5	5	8,610	2.40
ATG35S+450L	254.4	450	450	6	6	7,970	2.90
ATG35S+530L	283.6	530	530	7	7	9,320	3.44
ATG35S+610L	325.5	610	610	8	8	9,540	3.97
ATG35S+690L	367.4	690	690	9	9	9,740	4.50

Note 1) The permissible load and weight are the values for one set of two slide rails. Note 2) Contact THK if a non-standard length longer than the maximum standard length, a special length, or a special stroke is desired.



*When ordering the Model ATG, specify the number of individual slide rails needed. The Model ATG can be ordered in any quantity of one or more.

O Example Combinations



Precautions on Use

•The outer member and inner member stoppers are not designed to handle impact loads. Be certain to provide external stoppers at the stroke ends.

•When installing this product, mount two slide rails on the wall as a set. Be certain to contact THK if you will be using only one slide rail or changing the mounting orientation to something other than what is indicated in the mounting orientation diagram.

•The greasing interval varies depending on the usage conditions and environment. Ultimately, the greasing interval and amount of grease applied should be set using the actual device or machine.

•Do not enter the movement range of moving parts while the device is operating or in an operable state. In particular, do not touch any moving parts during operation.

•Stop the machine (turn off the power) before moving, installing, or performing a maintenance inspection on this product.

•If performing an installation, maintenance inspection, or other task involving multiple people, confirm how to perform the work, what signals will be used, and how to handle problems before beginning, and assign another person to monitor the work.

- •Do not place anything on this product or its packaging. Do not apply a strong impact to this product.
- •Do not apply a load that exceeds the permissible load.
- •Do not disassemble or alter this product.
- •Securely fasten the product before use.
- ·If an abnormality occurs, stop the machine immediately.
- •Do not use a product that is malfunctioning or broken.
- •Avoid impacts when transferring objects.
- ·Contact THK if the product will be used in an environment outside of the specified temperature range.
- •Ball cages may become misaligned due to factors such as machine vibration.
- To realign ball cages, remove any borne load, then fully open and close the product. During realignment, it will take more force to move because the balls will be sliding.
- Exceeding the stroke range may cause components to break.

•When installing the product, adjust the mounting so that the product runs steadily at a force of 15 N or less when not bearing a load.

Utility Slide ATG

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- Outward appearances and specifications are subject to change without notice for the purpose of improvement. Please consult with THK before using.
- Although great care has been taken in the production of this catalog, THK will not take any responsibility for damage resulting from typographical errors or omissions.
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Slide Rail 示光K General Catalog

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Features and Types

Features of the Slide Rail

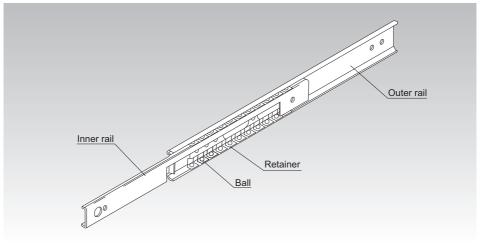


Fig.1 Structure of Slide Rail Model FBL

Structure and Features

Slide rails are low-price finite linear guides made out of precision roll-formed steel plates.

Suitable for various purposes because they are thin, compact, and easy to mount. Slide rails can be used in a wide range of applications such as photocopiers, measuring instruments, telecommunications equipment, medical equipment, automatic vending machines, and various types of office equipment.

The Model FBL slide rail has two rows of ball bearings placed between an inner rail and an outer rail that have been roll-formed out of steel plates. The ball bearings are evenly spaced by a precisely press-molded retainer, eliminating friction between the bearings and achieving a smooth sliding mechanism.

[Allows Easy Installation]

Simple to mount on the mounting surface. Since retainers hold the bearings, they do not fall out even if the inner rail is removed.

[Thin and Compact]

The thin cross section of the Model FBL slide rail means it can be installed in small spaces, and it is suitable for places where space saving is required.

[High Corrosion Resistance]

The Model FBL slide rail is treated with zinc plating, and models E and D are treated with a white anodized aluminum coating, making them highly corrosion-resistant.

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Slide Rail

Features and Types

Slide Rail Types

Slide Rail Types

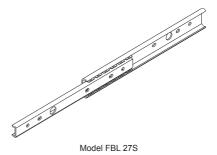
Types and Features

[Single Slides for Light Load]

Model FBL 27S

The most compact slide rail.

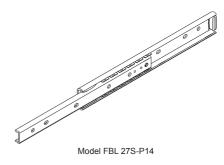
Specification Table⇒▲13-14



Model FBL 27S-P14

The Model FBL 27S features a removable inner rail. When retracted, the inner rail can be automatically unlocked by pushing it further into the outer rail





Model FBL 35S

A single slide type of slide rail with the most fundamental shape.

Specification Table⇒▲13-16



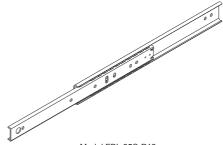




Model FBL 35S-P13

The Model FBL 35S features a removable inner rail. When retracted, it can be unlocked manually.

Specification Table⇒▲13-17

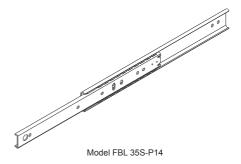


Model FBL 35S-P13

Model FBL 35S-P14

The Model FBL 35S features a removable inner rail. When retracted, the inner rail can be automatically unlocked by pushing it further into the outer rail.





Model FBL 35M

The Model FBL 35S features a removable inner rail. The slide rail is designed to stop by frictional resistance when it is fully opened. Remove the inner rail by applying more force. (Includes a brake stop)

Specification Table⇒▲13-19



Model FBL 35M

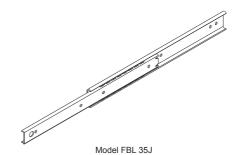
Features and Types

Slide Rail Types

Model FBL 35J

The Model FBL 35M with additional lead ball that serves as a guide when the inner rail is inserted.

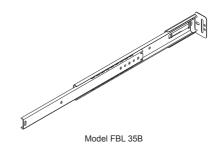
Specification Table⇒▲13-20





The Model FBL 35M with additional mounting bracket.

Specification Table⇒▲13-21



Slide Rail

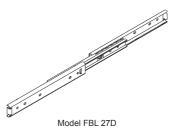


[Double Slides for Light Load]

Model FBL 27D

A double slide with an additional Model FBL 27S attached on the rear side of the inner rail. Widely used in many types of OA equipment.

Specification Table⇒▲13-22



Model FBL 35N

This is a three-rail double slide that allows a long stroke in a small space.

This is the only light-load double slide rail to use plate thickness of 1.2 mm to maximize weight reduction.

Specification Table⇒▲13-23



Model FBL 35E

This is a three-rail double slide that allows a long stroke in a small space.





Model FBL 35E-P14

This is a three-rail double slide that allows a long stroke in a small space. The inner rail can be pulled out, and it can be automatically unlocked by pushing it further into the outer rail.

Specification Table⇒▲13-25



Model FBL 35E-P14

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Features and Types

Slide Rail Types

[Double Slides for Medium Load]

Model FBL 35G-P13

A double slide with an additional Model FBL 35S attached on the front side. The drawer rail can be pulled out, and it can be manually unlocked when retracted. It is also equipped with a useful locking mechanism that engages when the slide rail is fully opened.

Specification Table⇒▲13-26



Model FBL 35G-P14

A double slide with an additional Model FBL 35S attached on the front side. The drawer rail can be pulled out, and it can be automatically unlocked by pushing it further into the outer rail. It is also equipped with a useful locking mechanism that engages when the slide rail is fully opened.

Specification Table⇒▲13-27



Model FBL 35G-P14

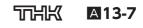
Model FBL 35D

A double slide with an additional Model FBL 35S attached on the rear side of the inner rail. Widely used in a number of different industries

Specification Table⇒▲13-28



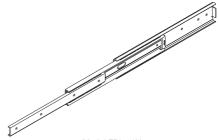
Model FBL 35D



Model FBL 51H

A three-rail double slide that allows a long stroke. A thin model that can be used in small spaces, even with large working loads.





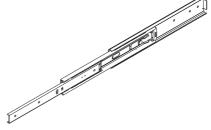


Model FBL 51H-P13

A three-rail double slide that allows a long stroke. A thin model that can be used in small spaces, even with large working loads. The inner rail can be pulled out, and locked states caused by the disconnection spring can be manually released when retracted. It is also equipped with a useful locking mechanism that engages when the slide rail is fully opened.

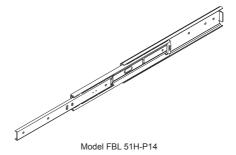
Model FBL 51H-P14

A three-rail double slide that allows a long stroke. A thin model that can be used in small spaces, even with large working loads. The inner rail can be pulled out, and it can be automatically unlocked by pushing it further into the outer rail. Specification Table⇒⊠13-30



Model FBL 51H-P13

Specification Table⇒▲13-31



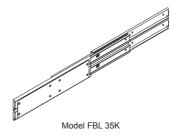
Slide Rail Types

[Double Slides for Heavy Load]

Model FBL 35K

A double slide combining four Model FBL 35S units. It features the largest allowable load among all models, making it suitable for opening/closing heavy objects.

Specification Table⇒▲13-32

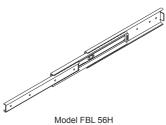


Model FBL 56H

Three-rail double slide with a large allowable load. Widely used in many types of office furniture.

Specification Table⇒▲13-33

Specification Table⇒▲13-34



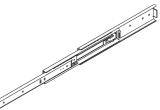
Model FBL 56H-P13

Model FBL 56H-P14

outer rail

Three-rail double slide with a large allowable load. The inner rail can be pulled out, and it can be manually unlocked when retracted. It is also equipped with a useful locking mechanism that engages when the slide rail is fully opened.

Three-rail double slide with a large allowable load. The inner rail can be pulled out, and it can be automatically unlocked by pushing it further into the

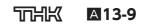


Model FBL 56H-P13

Specification Table⇒▲13-35



Model FBL 56H-P14

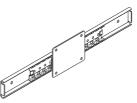


[Linear Type Slides]

Light Load Type Model FBL 35F

Linear-type slide suitable for limited straight motion, featuring a flange for easy mounting.

Specification Table⇒▲13-36

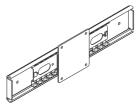


Light Load Type Model FBL 35F

Medium Load Type Model FBL 56F

Linear-type slide suitable for limited straight motion, featuring a flange for easy mounting. It is suitable for large working loads.

Specification Table⇒▲13-37



Medium Load Type Model FBL 56F

Heavy Load Type Model FBL 48DR

A heavy-load, low-friction linear-type slide, developed for sliding heavy doors.

Specification Table⇒▲13-38



Heavy Load Type Model FBL 48DR

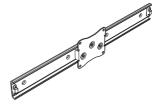
[Wheel-type Linear Slide]

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Model E36RS

A linear slide that features wear-resistant resin bearings.





Model E36RS

Features and Types

Slide Rail Types

[Aluminum Alloy Slide Rail]

Light Load Type Model E15

A compact and lightweight single slide from the aluminum alloy series. Suitable for locations within magnetic fields, locations requiring rustresistant materials, and locations where appearance is a factor.

Specification Table⇒▲13-40



Light Load Type Model E15

Light Load Type Model E20

A basic single slide from the aluminum alloy series. Suitable for locations within magnetic fields, locations requiring rust-resistant materials, and locations where appearance is a factor.

Light Load Type Model D20

The most compact and lightweight double slide in the aluminum alloy series. Suitable for locations within magnetic fields, locations requiring rust-resistant materials, and locations where appearance is a factor.

Specification Table⇒▲13-41



Light Load Type Model E20

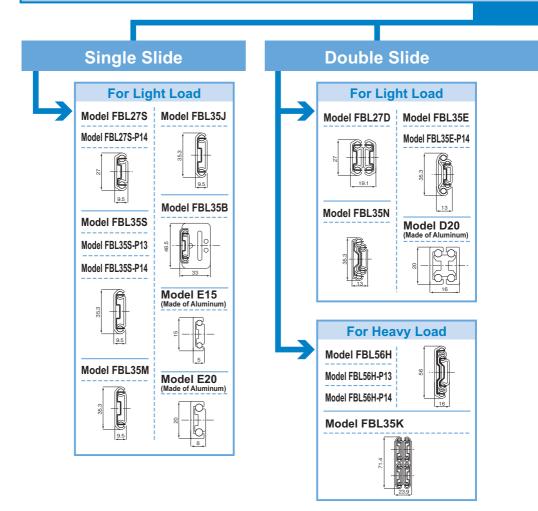
Specification Table⇒▲13-42

Light Load Type Model D20



Classification Table for Slide Rails

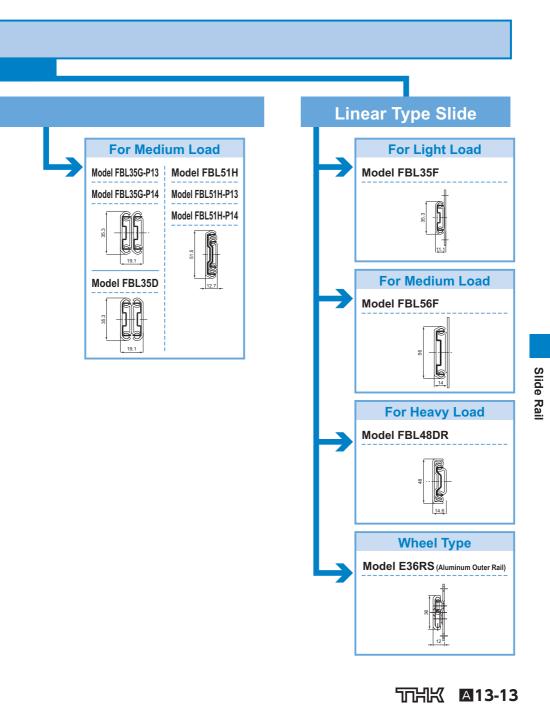
Slide Rail

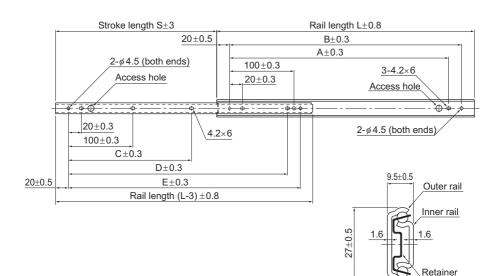


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Features and Types

Classification Table for Slide Rails





Cross section

Unit: mm

Rail length	Stroke S		Mounting	g hole dir	nensions	5	Mounti	ng hole	Permissible load	Mass kg/pair
(±0.8)	(±3)	A	В	С	D	E	Inner rail	Outer rail	N/pair	
200	135	140.0	160.0	—	140.0	160.0	5	5	260	0.32
250	185	190.0	210.0	150.0	190.0	210.0	6	5	240	0.40
300	222	240.0	260.0	190.0	240.0	260.0	6	5	240	0.48
350	260	290.0	310.0	225.0	290.0	310.0	6	5	230	0.56
400	297	340.0	360.0	265.0	340.0	360.0	6	5	210	0.64
450	334	390.0	410.0	300.0	390.0	410.0	6	5	200	0.72
500	371	440.0	460.0	337.0	440.0	460.0	6	5	180	0.80

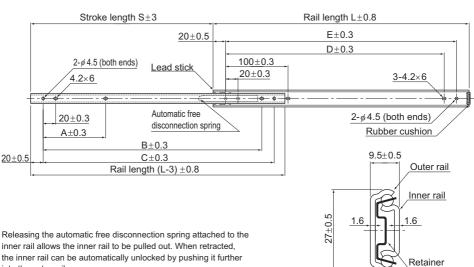
Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding



Model number Overall rail length (mm)

Model FBL 27S-P14



the inner rail can be automatically unlocked by pushing it further into the outer rail.

Cross section

Unit: r													
Rail length	Stroke S		Mounting	, hole dir	nensions	;	Mounti	ng hole	Permissible load	Mass			
(±0.8)	(±3)	А	В	С	D	Е	Inner rail	Outer rail	N/pair	kg/pair			
200	116	65.0	—	170.0	140.0	160.0	4	5	260	0.32			
250	152	100.0	—	210.0	190.0	210.0	4	5	240	0.40			
300	202	100.0	—	260.0	240.0	260.0	4	5	240	0.48			
350	251	100.0	—	310.0	290.0	310.0	4	5	230	0.56			
400	297	100.0	—	360.0	340.0	360.0	4	5	210	0.64			
450	332	100.0	390.0	410.0	390.0	410.0	5	5	210	0.72			
500	371	100.0	440.0	460.0	440.0	460.0	5	5	200	0.80			
550	407	100.0	490.0	510.0	490.0	510.0	5	5	180	0.80			

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.



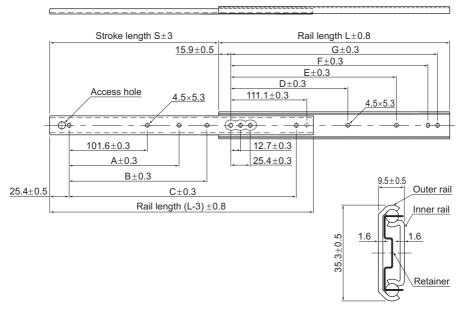
FBL27S-P14 +500L

Model number

Overall rail length (mm)



Model FBL 35S



Cross section

Unit: mm

Rail length	Stroke S		M	ounting	hole di	mensio	ns		Mounti	ng hole	Permissible load	
(±0.8)	(±3)	A	В	С	D	Е	F	G	Inner rail	Outer rail	N/pair	kg/pair
305	229	—	152.4	254.0	_	149.2	260.3	273.0	4	7	490	0.6
356	279	—	203.2	304.8	_	200.0	311.1	323.8	4	7	400	0.7
406	305	—	254.0	355.6	_	250.8	361.9	374.6	4	7	390	0.8
457	330	203.2	304.8	406.4	212.7	301.6	412.7	425.4	5	8	380	0.9
508	381	228.6	355.6	457.2	238.1	352.4	463.5	476.2	5	8	330	1.0
559	406	254.0	406.4	508.0	263.5	403.2	514.3	527.0	5	8	320	1.1
610	432	279.4	457.2	558.8	288.9	454.0	565.1	577.8	5	8	310	1.2
660	483	304.8	508.0	609.6	314.3	504.8	615.9	628.6	5	8	280	1.3
711	508	330.2	558.8	660.4	339.7	555.6	666.7	679.4	5	8	270	1.4

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

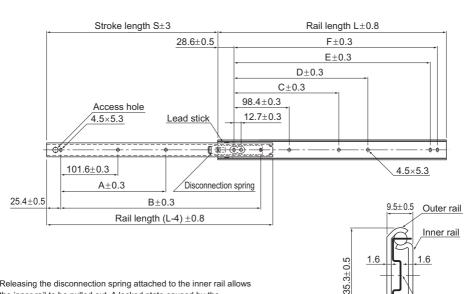




Model number Overall rail length (mm)



Model FBL 35S-P13



Releasing the disconnection spring attached to the inner rail allows the inner rail to be pulled out. A locked state caused by the disconnection spring can be manually released when retracted.

Cross section

Unit: mm

Retainer

Slide Rail

Rail length	Stroke S		Mour	nting hol	e dimen	sions		Mountii	ng hole	Permissible load	
(±0.8)	(±3)	А	В	С	D	Е	F	Inner rail	Outer rail	N/pair	kg/pair
305	224	152.4	—	136.5	—	247.6	260.3	3	6	490	0.6
356	275	203.2	—	187.3	—	298.4	311.1	3	6	400	0.72
406	315	254.0	—	238.1	—	349.2	361.9	3	6	390	0.84
457	330	203.2	406.4	200.0	288.9	400.0	412.7	4	7	380	0.96
508	381	228.6	457.2	225.4	339.7	450.8	463.5	4	7	330	1.04
559	406	254.0	508.0	250.8	390.5	501.6	514.3	4	7	320	1.16
610	432	279.4	558.8	276.2	441.3	552.4	565.1	4	7	310	1.24
660	483	304.8	609.6	301.6	492.1	603.2	615.9	4	7	280	1.36
711	493	330.2	660.4	327.0	542.9	654.0	666.7	4	7	270	1.48

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

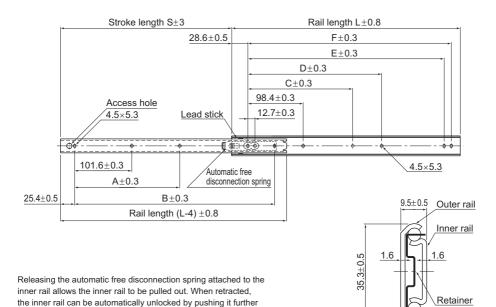


Model number

Overall rail length (mm)



Model FBL 35S-P14



Cross section

Unit: mm

Rail length	Stroke S		Mour	nting hol	e dimen	sions		Mountii	ng hole	Permissible load	Mass
(±0.8)	(±3)	A	В	С	D	Е	F	Inner rail	Outer rail	N/pair	kg/pair
305	224	152.4	—	136.5	—	247.6	260.3	3	6	490	0.6
356	275	203.2	—	187.3	—	298.4	311.1	3	6	400	0.72
406	315	254.0	—	238.1	—	349.2	361.9	3	6	390	0.84
457	330	203.2	406.4	200.0	288.9	400.0	412.7	4	7	380	0.96
508	381	228.6	457.2	225.4	339.7	450.8	463.5	4	7	330	1.04
559	406	254.0	508.0	250.8	390.5	501.6	514.3	4	7	320	1.16
610	432	279.4	558.8	276.2	441.3	552.4	565.1	4	7	310	1.24
660	483	304.8	609.6	301.6	492.1	603.2	615.9	4	7	280	1.36
711	493	330.2	660.4	327.0	542.9	654.0	666.7	4	7	270	1.48

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

into the outer rail.

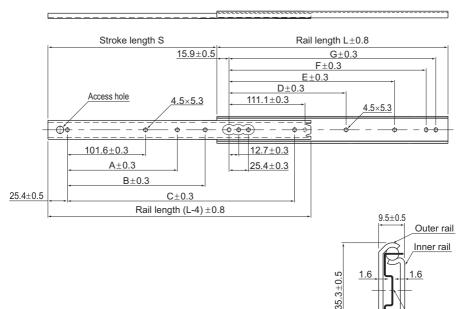
FBL35S-P14 +559L

Model number

Overall rail length (mm)



Model FBL 35M



Cross section

Unit: mm

Retainer

Rail length	Stroke S		M	ounting	hole di	mensio	ns		Mounti	ng hole	Permissible load	Mass
(±0.8)	3	А	В	С	D	Е	F	G	Inner rail	Outer rail	N/pair	kg/pair
305	229	—	152.4	254.0	—	149.2	260.3	273.0	4	7	490	0.6
356	279	—	203.2	304.8	—	200.0	311.1	323.8	4	7	400	0.7
406	305	—	254.0	355.6	_	250.8	361.9	374.6	4	7	390	0.8
457	330	203.2	304.8	406.4	212.7	301.6	412.7	425.4	5	8	380	0.9
508	381	228.6	355.6	457.2	238.1	352.4	463.5	476.2	5	8	330	1.0
559	406	254.0	406.4	508.0	263.5	403.2	514.3	527.0	5	8	320	1.1
610	432	279.4	457.2	558.8	288.9	454.0	565.1	577.8	5	8	310	1.2
660	483	304.8	508.0	609.6	314.3	504.8	615.9	628.6	5	8	280	1.3
711	508	330.2	558.8	660.4	339.7	555.6	666.7	679.4	5	8	270	1.4

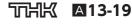
Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

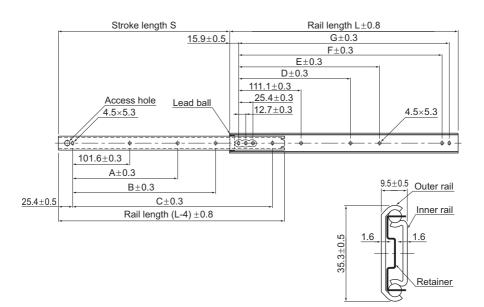
Model number coding



+406L

Model number Overall rail length (mm)





Cross section

Unit: mm

Rail length	Stroke S		M	ounting	hole di	mensio	ns		Mounti	ng hole	Permissible load	Mass
(±0.8)	3	A	В	С	D	E	F	G	Inner rail	Outer rail	N/pair	kg/pair
305	229	—	152.4	254.0	—	149.2	260.3	273.0	4	7	490	0.6
356	279	—	203.2	304.8	—	200.0	311.1	323.8	4	7	400	0.7
406	305	—	254.0	355.6	—	250.8	361.9	374.6	4	7	390	0.8
457	330	203.2	304.8	406.4	212.7	301.6	412.7	425.4	5	8	380	0.9
508	381	228.6	355.6	457.2	238.1	352.4	463.5	476.2	5	8	330	1.0
559	406	254.0	406.4	508.0	263.5	403.2	514.3	527.0	5	8	320	1.1
610	432	279.4	457.2	558.8	288.9	454.0	565.1	577.8	5	8	310	1.2
660	483	304.8	508.0	609.6	314.3	504.8	615.9	628.6	5	8	280	1.3
711	508	330.2	558.8	660.4	339.7	555.6	666.7	679.4	5	8	270	1.4

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

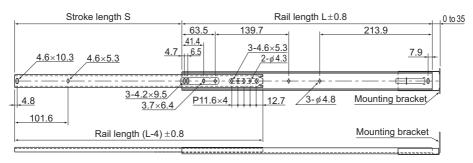
FBL35J +660L

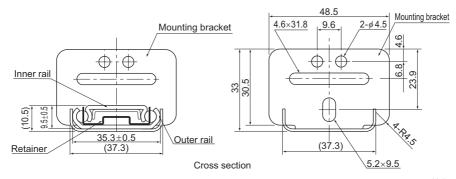
Model number Overall rail length (mm)



Download data by searching for the corresponding model number on the Technical Support site.

Model FBL 35B





Unit: mm

Slide Rail

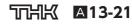
Rail length	Stroke S	Mounti	ng hole	Permissible load	Mass	
(±0.8)		Inner rail Outer rail		N/pair	kg/pair	
324	216	7	7	115	0.8	
375	267	7	7	105	0.92	
425	305	7	7	100	1	
476	318	7	7	90	1.12	
527	368	7	7	83	1.24	
578	419	7	7	73	1.32	
629	445	7	7	66	1.44	
679	495	7	7	61	1.6	

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

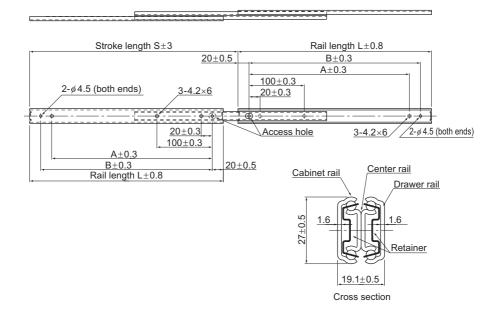
Model number coding

FBL35B +375L

Model number Overall rail length (mm)



Model FBL 27D



Unit: mm

Rail length	Stroke	Mounting hol	e dimensions	Mounti	ng hole	Permissible load	Mass	
(±0.8)	(±3)	A B		Drawer rail	Cabinet rail	N/pair	kg/pair	
200	229	140.0	160.0	5	5	370	0.64	
250	276	190.0	210.0	5	5	360	0.8	
300	327	240.0	260.0	5	5	350	0.96	
350	376	290.0	310.0	5	5	330	1.12	
400	426	340.0	360.0	5	5	310	1.28	
450	475	390.0	410.0	5	5	290	1.46	
500	524	440.0	460.0	5	5	280	1.6	

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

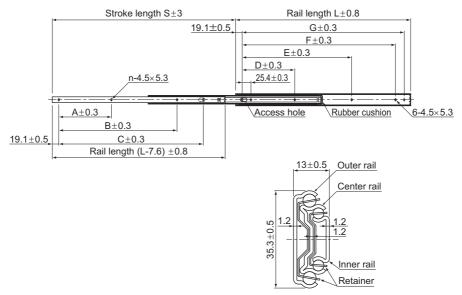
Model number coding

FBL27D +200L

Model number Overall rail length (mm)

▲13-22 冗光K

Model FBL 35N



Cross section

Rail length	Stroke S		Ν	/lounting	Mountir hole n		Permissible load N/pair	Mass kg/pair				
(±0.8)	(±3)	A	В	С	D	Е	F	G	Inner rail	м/ран	0.	
254	280	76.2	154.9	180.3	76.2	139.7	190.5	215.9	4	290	0.61	
305	330	76.2	154.9	231.1	76.2	190.5	241.3	266.7	4	290	0.74	
356	381	127	_	266.7	88.9	215.9	292.1	317.5	3	280	0.86	
406	432	152.4	_	317.5	127	241.3	342.9	368.3	3	270	0.98	
457	483	177.8	—	368.3	127	292.1	393.7	419.1	3	250	1.10	
508	533	152.4	152.4 342.9 419.1 152.4 317.5 444.5 469.9							240	1.22	

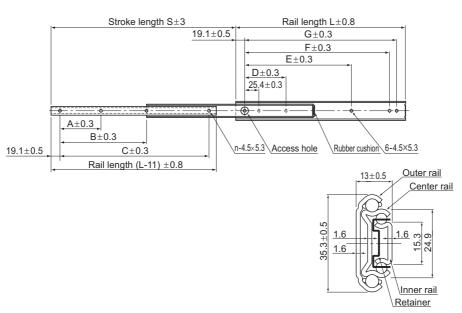
Model number coding

FBL35N +508L

Model No. Overall rail length (mm)

Unit: mm

Model FBL 35E



Cross section

Unit: mm

Rail length L (±0.8) (±3)	S		N	lounting	hole dir		Mounting hole n	Permissible load N/pair	Mass kg/pair			
(±0.0)	(±3)	А	A B C D E F G						Inner rail	iv/pair		
305	330	76.2	—	154.9	76.2	190.5	241.3	266.7	3	290	0.8	
356	381	127	—	266.7	88.9	215.9	292.1	317.5	3	280	0.9	
406	432	152.4	_	317.5	127	241.3	342.9	368.3	3	270	1.1	
457	483	177.8	_	368.3	127	292.1	393.7	419.1	3	250	1.2	
508	533	152.4	152.4 342.9 419.1 152.4 317.5 444.5 469.							240	1.4	

Note1) To mount model FBL35E, use an M3 truss and binding machine screws. Note2) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

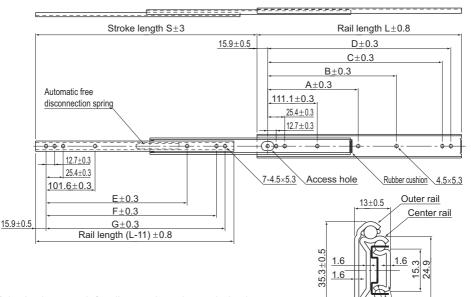
FBL35E +406L

Model No.

Overall rail length (mm)



Model FBL 35E-P14



Releasing the automatic free disconnection spring attached to the inner rail allows the inner rail to be pulled out. When retracted, the inner rail can be automatically unlocked by pushing it further into the outer rail.

Cross section

Inner rail

Retainer

												•••••
Rail length			M	ounting	hole di	mensio	ns		Mounti	ng hole	Permissible load	Mass
L (±0.8)	S (±3)	A	В	С	D	E	F	G	Inner rail	Outer rail	N/pair	kg/pair
305	330	—	149.2	260.3	273.0	233.1	254.0	266.7	7	7	294	0.84
356	381	—	200.0	311.1	323.8	258.5	304.8	317.5	7	7	284	0.98
406	432	—	250.8	361.9	374.6	283.9	355.6	368.3	7	7	275	1.12
457	483	212.7	301.6	412.7	425.4	309.3	406.4	419.1	7	8	255	1.26
508	533	238.1	352.4	463.5	476.2	334.7	457.2	469.9	7	8	235	1.40

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

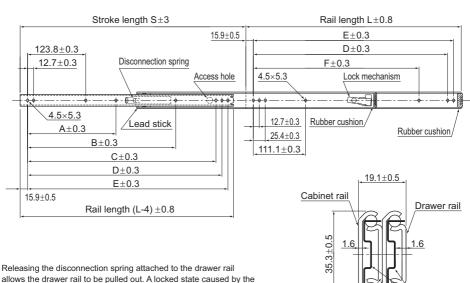
FBL35E-P14 +508L

Model number

Overall rail length (mm)

Unit: mm

Model FBL 35G-P13



allows the drawer rail to be pulled out. A locked state caused by the disconnection spring can be manually released when retracted. It is also equipped with a useful locking mechanism that engages when the slide rail is fully opened.

Cross section

Center rail

Unit: mm

Retainer

Rail length	Stroke		Mour	nting hol	e dimen	sions		Mounti	ng hole	Permissible load	Mass
L (±0.8)	S (±3)	А	В	С	D	E	F	Drawer rail	Cabinet rail	N/pair	kg/pair
305	327	_	_	—	260.3	273.0	_	5	6	623	1.2
356	378	—	—	298.4	311.1	323.8	_	6	6	586	1.4
406	429	_	_	349.2	361.9	374.6	250.8	6	7	555	1.6
457	480	212.7	—	400.0	412.7	425.4	301.6	7	7	516	1.8
508	530	238.1	365.1	450.8	463.5	476.2	352.4	8	7	475	2
559	581	263.5	415.9	501.6	514.3	527.0	403.2	8	7	444	2.2
610	632	288.9	466.7	552.4	565.1	577.8	454.0	8	7	413	2.4
660	683	314.3	517.5	603.2	615.9	628.6	504.8	8	7	382	2.6
711	734	339.7	568.3	654.0	666.7	679.4	555.6	8	7	355	2.8

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

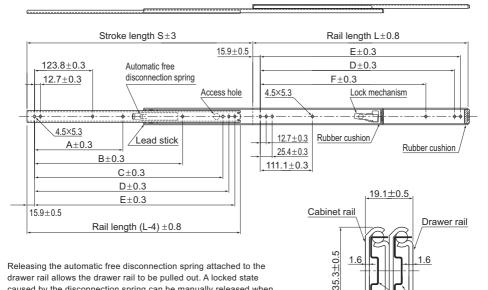
FBL35G-P13 +356L

Model number

Overall rail length (mm)



Model FBL 35G-P14



Releasing the automatic free disconnection spring attached to the drawer rail allows the drawer rail to be pulled out. A locked state caused by the disconnection spring can be manually released when retracted. It is also equipped with a useful locking mechanism that engages when the slide rail is fully opened.

Rail length Stroke Mounting hole dimensions Mounting hole Permissible load Mass S Drawer Cabinet N/pair kg/pair С F A В D F (±0.8) (±3) rail rail 305 327 260.3 273.0 6 623 1.2 5 356 378 298.4 311.1 323.8 6 6 586 1.4 406 429 349.2 361.9 374.6 250.8 6 7 555 1.6 457 480 212.7 400.0 412.7 425.4 301.6 7 7 516 1.8 _ 508 530 238.1 365.1 450.8 463.5 476.2 352.4 8 7 475 2 559 581 263.5 415.9 501.6 514.3 527.0 403.2 8 7 444 2.2 610 632 288.9 552.4 565.1 577.8 454.0 8 7 413 2.4 466.7 660 683 8 7 382 2.6 314.3 517.5 603.2 615.9 628.6 504.8 711 734 339.7 568.3 654.0 666.7 679.4 8 7 355 2.8 555.6

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units





Model number

Overall rail length (mm)

Center rail

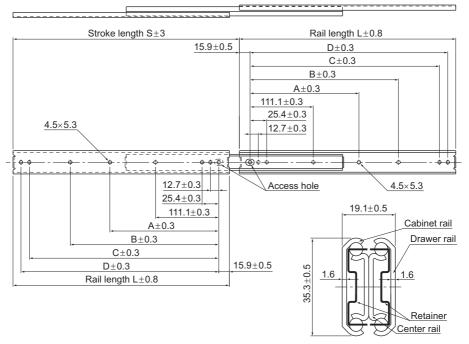
Unit: mm Slide Rai

Retainer

Cross section



Model FBL 35D



Cross section

Unit: mm

Rail length	Stroke	Mou	inting hol	e dimens	ions	Mounti	ng hole	Permissible load	Mass
L (±0.8)	S (±3)	А	В	С	D	Drawer rail	Cabinet rail	N/pair	kg/pair
305	327	_	149.2	260.3	273.0	7	7	588	1.28
356	378	—	200.0	311.1	323.8	7	7	578	1.48
406	429	_	250.8	361.9	374.6	7	7	559	1.72
457	480	212.7	301.6	412.7	425.4	8	8	549	1.96
508	530	238.1	352.4	463.5	476.2	8	8	529	2.12
559	581	263.5	403.2	514.3	527.0	8	8	500	2.4
610	632	288.9	454.0	565.1	577.8	8	8	480	2.56
660	683	314.3	504.8	615.9	628.6	8	8	461	2.8
711	734	339.7	555.6	666.7	679.4	8	8	441	3

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

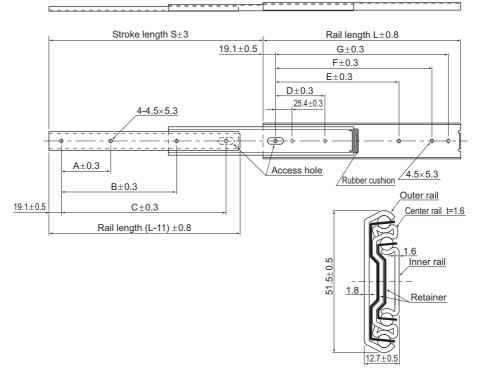
Model number coding



Model number Overall rail length (mm)



Model FBL 51H



Cross section

Unit: mm

Slide Rail

Rail length	Stroke		M	lounting	hole di	mensior	าร		Mounti	na hole		
L (±0.8)	S (±3)	A	В	С	D	E	F	G	Inner rail	Outer rail	Permissible load N/pair	Mass kg/pair
305	330	76.2	177.8	254.0	76.2	190.5	241.3	266.7	4	6	850	1.46
356	381	101.6	203.2	304.8	88.9	215.9	292.1	317.5	4	6	820	1.72
406	432	127.0	228.6	355.6	127.0	241.3	342.9	368.3	4	6	770	1.89
457	483	127.0	279.4	406.4	127.0	292.1	393.7	419.1	4	6	730	2.26
508	533	152.4	304.8	457.2	152.4	317.5	444.5	469.9	4	6	710	2.52
559	584	177.8	330.2	508.0	177.8	342.9	495.3	520.7	4	6	690	2.72
610	635	177.8	381.0	558.8	177.8	393.7	546.1	571.5	4	6	660	3.00
660	686	203.2	406.4	609.6	203.2	419.1	596.9	622.3	4	6	630	3.25
711	737	228.6	431.8	660.4	228.6	444.5	647.7	673.1	4	6	610	3.54
762	787	228.6	457.2	711.2	228.6	469.9	698.5	723.9	4	6	580	3.86

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

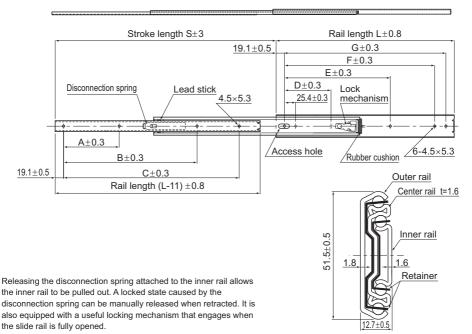


Model number

Overall rail length (mm)



Model FBL 51H-P13



Cross section

Unit: mm

Rail length	Stroke		Μ	lounting	hole di	mensior	าร		Mounti	ng hole	Permissible load	Mass
L (±0.8)	S (±3)	А	В	С	D	E	F	G	Inner rail	Outer rail	N/pair	kg/pair
305	330	76.2	_	190.5	76.2	190.5	241.3	266.7	3	6	850	1.46
356	381	101.6	—	266.7	88.9	215.9	292.1	317.5	3	6	820	1.72
406	432	127.0	_	304.8	127.0	241.3	342.9	368.3	3	6	770	1.89
457	483	127.0	317.5	368.3	127.0	292.1	393.7	419.1	4	6	730	2.26
508	533	152.4	355.6	406.4	152.4	317.5	444.5	469.9	4	6	710	2.52
559	584	177.8	381.0	457.2	177.8	342.9	495.3	520.7	4	6	690	2.72
610	635	177.8	430.8	508.0	177.8	393.7	546.1	571.5	4	6	660	3.00
660	686	203.2	457.2	558.8	203.2	419.1	596.9	622.3	4	6	630	3.25
711	737	228.6	508.0	609.6	228.6	444.5	647.7	673.1	4	6	610	3.54
762	787	228.6	533.4	660.4	228.6	469.9	698.5	723.9	4	6	580	3.86

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

FBL51H-P13 +559L

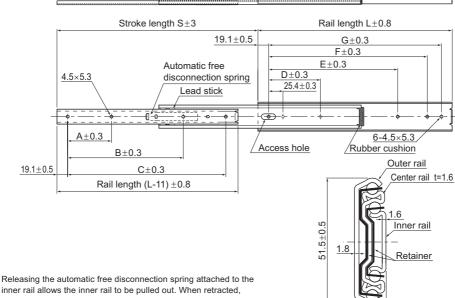
Model number

Overall rail length (mm)



Download data by searching for the corresponding model number on the Technical Support site.

Model FBL 51H-P14



the inner rail can be automatically unlocked by pushing it further into the outer rail.

Cross section

												Unit. mini
Rail length	Stroke		Μ	lounting	hole di	mensior	าร		Mounti	ng hole	Permissible load	Mass
L (±0.8)	S (±3)	А	В	С	D	E	F	G	Inner rail	Outer rail	N/pair	kg/pair
305	330	76.2	—	254.0	76.2	190.5	241.3	266.7	3	6	850	1.46
356	381	127.0	—	304.8	88.9	215.9	292.1	317.5	3	6	820	1.72
406	432	152.4	317.5	355.6	127.0	241.3	342.9	368.3	4	6	770	1.89
457	483	177.8	368.3	406.4	127.0	292.1	393.7	419.1	4	6	730	2.26
508	533	152.4	419.1	457.2	152.4	317.5	444.5	469.9	4	6	710	2.52
559	584	177.8	469.9	508.0	177.8	342.9	495.3	520.7	4	6	690	2.72
610	635	177.8	520.7	558.8	177.8	393.7	546.1	571.5	4	6	660	3.00
660	686	203.2	571.5	609.6	203.2	419.1	596.9	622.3	4	6	630	3.25
711	737	228.6	622.3	660.4	228.6	444.5	647.7	673.1	4	6	610	3.54
762	787	228.6	673.1	711.2	228.6	469.9	698.5	723.9	4	6	580	3.86

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

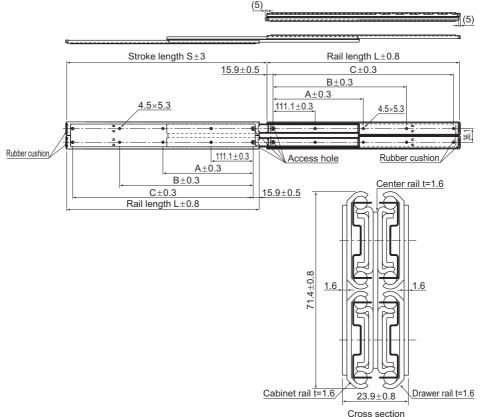
FBL51H-P14 +305L

Model number

Overall rail length (mm)



Model FBL 35K



Note) The product has a rubber cushion.

If desiring to keep the length within the rail length when storing the product, remove the rubber cushion.

Unit: mm

Rail length	Stroke	Mountin	g hole dim	nensions	Mounti	ng hole	Permissible load	Mass
L (±0.8)	S (±3)	А	В	С	Drawer rail	Cabinet rail	N/pair	kg/pair
305	327	_	149.2	273.0	4	4	2670	4.04
356	378	—	200.0	323.8	4	4	2630	4.8
406	429	_	250.8	374.6	4	4	2540	5.6
457	480	212.7	301.6	425.4	5	5	2450	6.04
508	530	238.1	352.4	476.2	5	5	2360	6.92
559	581	263.5	403.2	527.0	5	5	2250	7.56
610	632	288.9	454.0	577.8	5	5	2120	8.4
660	683	314.3	504.8	628.6	5	5	1960	9
711	734	339.7	555.6	679.4	5	5	1780	9.68

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

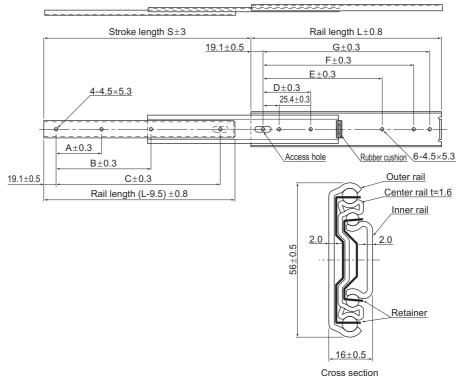
Model number coding

FBL35K +711L

Model number Overall rail length (mm)

Download data by searching for the corresponding model number on the Technical Support site.

Model FBL 56H



Unit: mm

Slide Rail

Rail length	Stroke		Mc	unting	hole di	mensio	ons		Mounti	ng hole	Permissible load	Mass
L (±0.8)	S (±3)	A	В	С	D	Е	F	G	Inner rail	Outer rail	N/pair	kg/pair
305	330	76.2	177.8	254.0	76.2	190.5	241.3	266.7	4	6	961	1.76
356	381	101.6	203.2	304.8	88.9	215.9	292.1	317.5	4	6	951	2.04
406	432	127.0	228.6	355.6	127.0	241.3	342.9	368.3	4	6	941	2.36
457	483	127.0	279.4	406.4	127.0	292.1	393.7	419.1	4	6	922	2.64
508	533	152.4	304.8	457.2	152.4	317.5	444.5	469.9	4	6	902	2.96
559	584	177.8	330.2	508.0	177.8	342.9	495.3	520.7	4	6	882	3.24
610	635	177.8	381.0	558.8	177.8	393.7	546.1	571.5	4	6	863	3.6
660	686	203.2	406.4	609.6	203.2	419.1	596.9	622.3	4	6	843	3.84
711	737	228.6	431.8	660.4	228.6	444.5	647.7	673.1	4	6	824	4.06
762	787	228.6	457.2	711.2	228.6	469.9	698.5	723.9	4	6	784	4.44

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

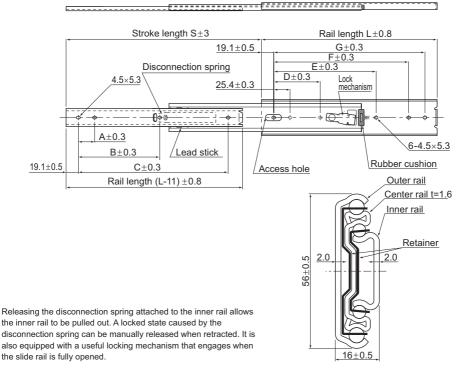
Model number coding



Model number Overall rail length (mm)



Model FBL 56H-P13



Cross section

Unit: mm

Rail length	Stroke		Мо	unting	hole di	mensio	ons		Mounti	ng hole	Permissible load	Mass
L (±0.8)	S (±3)	A	В	С	D	Е	F	G	Inner rail	Outer rail	N/pair	kg/pair
305	330	76.2	—	254.0	76.2	190.5	241.3	266.7	3	6	961	1.76
356	381	127.0	—	304.8	88.9	215.9	292.1	317.5	3	6	951	2.04
406	432	152.4	317.5	355.6	127.0	241.3	342.9	368.3	4	6	941	2.36
457	483	177.8	368.3	406.4	127.0	292.1	393.7	419.1	4	6	922	2.64
508	533	152.4	419.1	457.2	152.4	317.5	444.5	469.9	4	6	902	2.96
559	584	177.8	469.9	508.0	177.8	342.9	495.3	520.7	4	6	882	3.24
610	635	177.8	520.7	558.8	177.8	393.7	546.1	571.5	4	6	863	3.6
660	686	203.2	571.5	609.6	203.2	419.1	596.9	622.3	4	6	843	3.84
711	737	228.6	622.3	660.4	228.6	444.5	647.7	673.1	4	6	824	4.06
762	787	228.6	673.1	711.2	228.6	469.9	698.5	723.9	4	6	784	4.44

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding



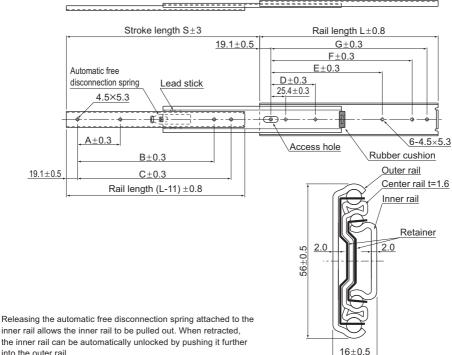
Model number

Overall rail length (mm)



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Model FBL 56H-P14



inner rail allows the inner rail to be pulled out. When retracted, the inner rail can be automatically unlocked by pushing it further into the outer rail.

Cross section

Rail length	Stroke		Mc	ounting	hole di	mensio	ons		Mounti	ng hole	Permissible load	Mass
L (±0.8)	S (±3)	A	В	С	D	Е	F	G	Inner rail	Outer rail	N/pair	kg/pair
305	330	76.2	—	254.0	76.2	190.5	241.3	266.7	3	6	961	1.76
356	381	127.0	—	304.8	88.9	215.9	292.1	317.5	3	6	951	2.04
406	432	152.4	317.5	355.6	127.0	241.3	342.9	368.3	4	6	941	2.36
457	483	177.8	368.3	406.4	127.0	292.1	393.7	419.1	4	6	922	2.64
508	533	152.4	419.1	457.2	152.4	317.5	444.5	469.9	4	6	902	2.96
559	584	177.8	469.9	508.0	177.8	342.9	495.3	520.7	4	6	882	3.24
610	635	177.8	520.7	558.8	177.8	393.7	546.1	571.5	4	6	863	3.6
660	686	203.2	571.5	609.6	203.2	419.1	596.9	622.3	4	6	843	3.84
711	737	228.6	622.3	660.4	228.6	444.5	647.7	673.1	4	6	824	4.06
762	787	228.6	673.1	711.2	228.6	469.9	698.5	723.9	4	6	784	4.44

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding



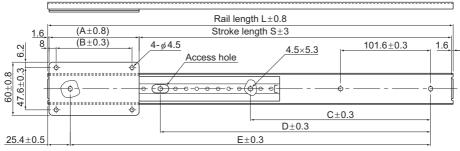
Model number

Overall rail length (mm)

Unit: mm

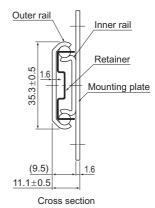


Model FBL 35F



	Mass Unit: kg/pair											
Rail length L (±0.8)		Mounting plate Model No.										
mm	#3	#4	#5	#6	#7	#8						
305	0.60	0.67	0.74	0.81	_	—						
356	0.66	0.73	0.80	0.87	0.94	1.01						
406	0.73	0.80	0.87	0.94	1.01	1.08						
457	0.80	0.87	0.94	1.01	1.08	1.15						
508	0.86	0.93	1.0	1.07	1.14	1.21						
559	0.93	1.0	1.07	1.14	1.21	1.28						
610	1.0	1.07	1.14	1.21	1.28	1.35						
660	1.06	1.13	1.20	1.27	1.34	1.41						
711	1.13	1.20	1.27	1.34	1.41	1.48						
762	1.20	1.27	1.34	1.41	1.48	1.55						

Note) The mass indicates the value for a pair of 2 product units.



Unit: mm

Mounting plate Model No.	#3	#4	#5	#6	#7	#8	Dimen	sion of th	e outer
Length (A±0.8)	76.2	101.6	127	152.4	177.8	203.2	rail mou	inting hol	e (±0.3)
Rail length L (±0.8)	Stroke length	n S (±3) *Vari	es with the co	mbination with	the mounting	plate above.	С	D	E
305	225.4	200.0	174.6	149.2	—	—	—	152.4	254.0
356	276.2	250.8	225.4	200.0	174.6	149.2	—	203.2	304.8
406	327.0	301.6	276.2	250.8	225.4	200.0	—	254.0	355.6
457	377.8	352.4	327.0	301.6	276.2	250.8	203.2	304.8	406.4
508	428.6	403.2	377.8	352.4	327.0	301.6	228.6	355.6	457.2
559	479.4	454.0	428.6	403.2	377.8	352.4	254.0	406.4	508.0
610	530.2	504.8	479.4	454.0	428.6	403.2	279.4	457.2	558.8
660	581.0	555.6	530.2	504.8	479.4	454.0	304.8	508.0	609.6
711	631.8	606.4	581.0	555.6	530.2	504.8	330.2	558.8	660.4
762	682.6	657.2	631.8	606.4	581.0	555.6	355.6	609.6	711.2
Pitch of the mounting plate mounting hole (B±0.3)	60.2	85.6	111.0	136.4	161.8	187.2	—	_	_
Permissible load (N/pair)	294	392	490	588	686	784	_	—	_

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

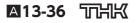
Model number coding

FBL35F Model number

+356L #5

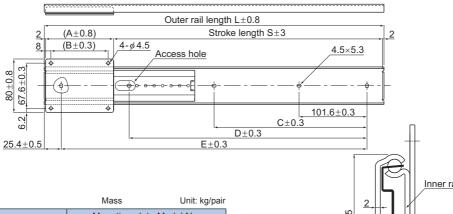
Model number of mounting plate

Overall rail length (mm)



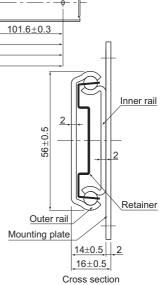
Download data by searching for the corresponding model number on the Technical Support site.

Model FBL 56F



Rail length L (±0.8)		Mount	ing pla	te Moo	del No.	
mm	#3	#4	#5	#6	#7	#8
305	1.16	1.31	1.43	1.55	—	—
356	1.32	1.44	1.57	1.69	1.81	1.94
406	1.46	1.58	1.70	1.83	1.95	2.07
457	1.59	1.71	1.84	1.96	2.09	2.21
508	1.73	1.85	1.98	2.10	2.22	2.35
559	1.87	1.99	2.11	2.24	2.36	2.48
610	2.0	2.13	2.25	2.37	2.50	2.62
660	2.14	2.26	2.39	2.51	2.63	2.76
711	2.28	2.40	2.52	2.65	2.77	2.89
762	2.41	2.54	2.66	2.78	2.91	3.03

Note) The mass indicates the value for a pair of 2 product units.



Unit: mm

Mounting plate	Model No.	#3	#4	#5	#6	#7	#8		sion of th	
mounting plate	Length (A±0.8)	76.2	101.6	127	152.4	177.8	203.2	rail mou	inting hol	e (±0.3)
Rail length	L (±0.8)	Stroke length	n S (±3) *Vari	es with the co	mbination with	the mounting	plate above.	С	D	E
305		224.6	199.2	173.8	148.4	—	—	—	152.4	254.0
356		275.4	250.0	224.6	199.2	173.8	148.4	—	203.2	304.8
406		326.2	300.8	275.4	250.0	224.6	199.2	—	254.0	355.6
457		377.0	351.6	326.2	300.8	275.4	250.0	203.2	304.8	406.4
508		427.8	402.4	377.0	351.6	326.2	300.8	228.6	355.6	457.2
559	1	478.6	453.2	427.8	402.4	377.0	351.6	254.0	406.4	508.0
610		529.4	504.0	478.6	453.2	427.8	402.4	279.4	457.2	558.8
660		580.2	554.8	529.4	504.0	478.6	453.2	304.8	508.0	609.6
711		631.0	605.6	580.2	554.8	529.4	504.0	330.2	558.8	660.4
762		681.8	656.4	631.0	605.6	580.2	554.8	355.6	609.6	711.2
Pitch of the mounting p (B±0.3		60.2	85.6	111.0	136.4	161.8	187.2	_	-	—
Permissible lo	ad (N/pair)	588	784	980	1176	1372	1568	—	_	_

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

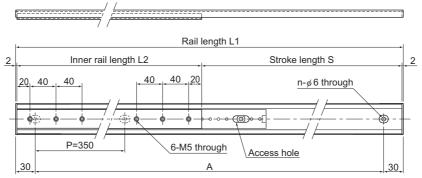
Model number coding

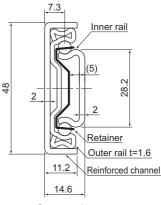
FBL56F +305L #6 Model number

Model number of mounting plate

Overall rail length (mm)

Model FBL 48DR





Cross section

Unit: mm

Outer rail length	Inner rail length	Stroke length	Mounting hole pitch	No. of mounting holes	Permissible load	Mass
L1	L2	S	A	n	[N]	[kg]
1110	496	610	P350×3	4	490	2.73
1110	696	410	P350×3	4	686	2.88
1460	496	960	P350×4	5	490	3.47
1460	696	760	P350×4	5	686	3.62
1810	696	1110	P350×5	6	686	4.36
2160	496	1660	P350×6	7	490	4.95
2160	696	1460	P350×6	7	686	5.10

Note1) Set the length of the mounting screws for the inner rail such that they do not touch the retainer. Note2) Model FBL48DR differs from other slide rails by assuming use with a single rail. Therefore, the value is per single rail for permissible load.

Model number coding

Model number

FBL48DR +1810/696L

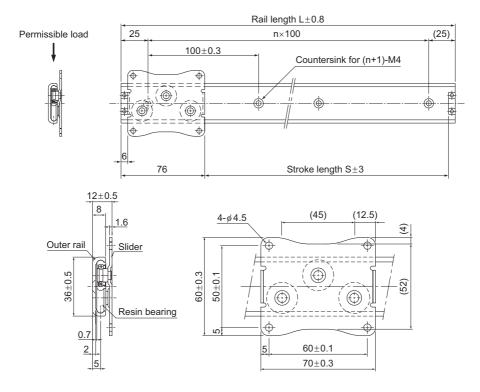
Outer rail length L1 (mm)

Inner rail length L2 (mm)



Download data by searching for the corresponding model number on the Technical Support site.

Model E36RS



Unit: mm

Slide Rail

Rail length L (±0.8)	Stroke length S (±3)	n	Mounting hole n+1	Permissible load ^{Note1)} N	Mass q
150	68	1	2	40	104
250	168	2	3	40	130
350	268	3	4	40	156
450	368	4	5	40	182
550	468	5	6	40	207
650	568	6	7	40	233
750	668	7	8	40	259

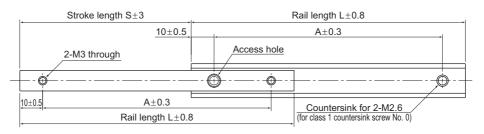
Note) Model E36RS differs from other slide rails by assuming use with a single rail. Therefore, the value is per single rail for permissible load.

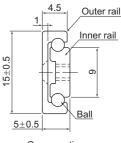
Model number coding

E36RS +550L

Model number Overall rail length (mm)







Cross section

Unit: mm

Rail length L (±0.8)	Stroke S (±3)	Mounting hole dimensions A±0.3	Permissible load N/pair	Mass [g/pair]
50	20	30.0	5	15
80	45	60.0	8	24
100	60	80.0	10	30
120	75	100.0	10	36

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

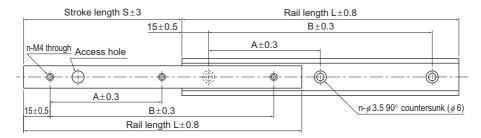
E15 +100L

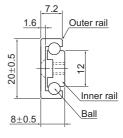
Model number Overall rail length (mm)

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Download data by searching for the corresponding model number on the Technical Support site.

Model E20





Cross section

Unit: mm Mounting hole dimensions Rail length Stroke Permissible load Mass L (±0.8) S (±3) N/pair [g/pair] A±0.3 B±0.3 n (pcs) 80 45 50.0 2 20 50 _ 100 60 70.0 2 30 62 150 85 60.0 120.0 3 80 98 200 120 85.0 170.0 3 140 131 300 180 135.0 270.0 3 145 197

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

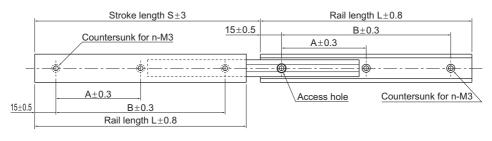
Model number coding

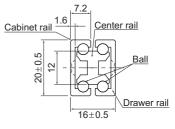
E20 +150L

Model number Overall rail length (mm)









Cross section

https://tech.thk.com

Unit: mm

Rail length L (±0.8)Stroke S (±3)	Stroke	Mounting hole dimensions			Permissible load	Mass
	S (±3)	A <u>+</u> 0.3	B±0.3	n (pcs)	N/pair	[g/pair]
80	80	50.0	—	2	20	94
100	100	70.0	—	2	30	118
150	160	60.0	120.0	3	80	179
200	223	85.0	170.0	3	140	241
300	345	135.0	270.0	3	145	364

Note) The Permissible Load and Mass each indicate when used as a pair of 2 units.

Model number coding

▲13-42 17日米

D20 +300L

Model number Overall rail length (mm)

Download data by searching for the corresponding model number on the Technical Support site.

Slide Rail

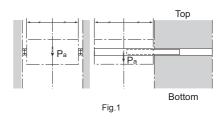
Point of Design

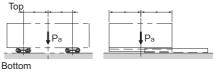
[Permissible Load and Mounting Orientation]

For use other than with the mounting orientation shown in Fig.1, contact THK.

The permissible load of the Slide Rail indicates the load in the direction Pa that two rails can receive in the middle of the inner rail length at the maximum stroke.

The mounting orientation shown in Fig.2 is applicable to model FBL35B only.







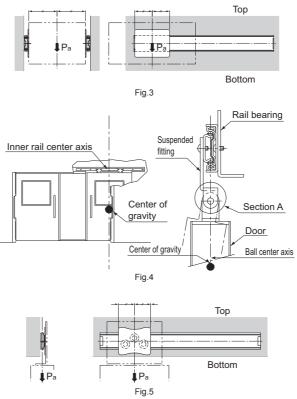


The mounting orientation of Fig.3 is applicable to model FBL35F and model FBL56F.

The mounting orientation of Fig.4 must be used for model FBL48DR. To prevent a moment load from being applied, position the center of gravity of the door on the ball and cage center lines, and ensure that section A of the hanger is structured to allow free rotation.

The mounting orientation of Fig.5 is applicable to model E36RS.

Unlike other slide rails, model FBL48DR and model E36RS are used in a single rail configuration. Therefore, the load must be centered on the ball and the cage center line.



[Surface Treatment]

A13-44 10HK

The surface of the Slide Rail is electro-galvanized (treated with trivalent chromate) as standard. The aluminum slide rail of models E and D is white alumite-treated as standard. The slider of model E36RS is electro-galvanized (trivalent chromate treatment) and the rail is white alumite-treated as standard. For other surface treatments, contact THK.

Model Number Coding

Model number configurations differ depending on the model features. Refer to the corresponding sample model number configuration.

[Single slide/Double slide]

Models FBL 27S, FBL 27S-P14, FBL 35S, FBL 35S-P13, FBL 35S-P14, FBL 35M, FBL 35J, FBL 35B, FBL 27D, FBL 35N, FBL 35E, FBL 35E-P14, FBL 35G-P13, FBL 35G-P14, FBL 35D, FBL 51H, FBL 51H-P13, FBL 51H-P14, FBL 35K, FBL 56H, FBL 56H-P13 and FBL 56H-P14



[Linear Slide Wheel-type] • Model E36RS



Model number Overall rail length (mm)



E15 +100L

Model No. Overall rail length (in mm)

[Handling]

- (1) Tilting a Slide Rail may cause it to fall by its own weight.
- (2) Do not disassemble the parts. This will result in loss of functionality.
- (3) Take care not to drop or strike the Slide Rail. Doing so may cause injury or damage. Giving an impact to it could also cause damage to its function even if the product looks intact.
- (4) When handling the product, wear protective gloves, safety shoes, etc., as necessary to ensure safety.

[Precautions on Use]

- (1) When mounting the Slide Rail, use care to always keep both rails in parallel.
- (2) Prevent foreign material, such as cutting chips or coolant, from entering the product. Failure to do so may cause damage.
- (3) If the product is used in an environment where cutting chips, coolant, corrosive solvents, water, etc., may enter the product, use bellows, covers, etc., to prevent them from entering the product.
- (4) If foreign material such as cutting chips adheres to the product, replenish the lubricant after cleaning the product.
- (5) Avoid using the product at other than normal temperature, or using it in harsh conditions such as intensive reciprocations that generate frictional heat and environments with water or dust.
- (6) The durability of the Slide Rail varies depending on factors such as the drawing dimension, travel distance, mounting conditions and environment in addition to operating frequency. Take these factors into account when making a selection.
- (7) Note that the cage creep may occur if the slide rail is mounted vertically, subject to machine vibrations, etc. To correct the cage creep, fully open and fully close the slide rail. During this process, the motion will be less smooth than usual. If cage creep is inevitable, we recommend using Slide Packs, LM Guides, etc., which are infinite stroke linear motion systems.
- (8) If you replace an old slider or outer rail of your E36RS with a new one, the clearance and sliding resistance may substantially increase.
- (9) Do not use the supplied stopper as a mechanical stopper. This may damage the stopper due to impact.
- (10) Do not use undue force when fitting parts (pin, key, etc.) to the product. This may generate pressure marks on the raceway, leading to loss of functionality.
- (11) Insufficient rigidity or accuracy of mounting members causes the bearing load to concentrate on one point and the bearing performance will drop significantly. Accordingly, give sufficient consideration to the rigidity/accuracy of the housing and base and strength of the fixing bolts.

[Lubrication]

- (1) Lithium soap-based grease No. 2 is applied to the slide rail. Do not mix different lubricants. Even greases containing the same type of thickening agent may, if mixed, interact adversely due to disparate additives or other ingredients.
- (2) The consistency of grease changes according to the temperature. Take note that the slide resistance of the Slide Rail also changes as the consistency of grease changes.
- (3) After lubrication, the slide resistance of the Slide Rail may increase due to the agitation resistance of grease. Be sure to let the grease spread fully before use.



- (4) Excess grease may scatter immediately after lubrication, so wipe off scattered grease as necessary.
- (5) The properties of grease deteriorate and its lubrication performance drops over time, so grease must be checked and added properly according to the use frequency of the machine.
- (6) The greasing interval varies depending on the use condition and service environment. Set the final lubrication interval/amount based on the actual machine.

[Storage]

When storing the Slide Rail, enclose it in a package designated by THK and store it in a room in a horizontal orientation while avoiding high temperature, low temperature and high humidity. After the product has been in storage for an extended period of time, lubricant inside may have deteriorated, so add new lubricant before use.

[Disposal]

Dispose of the product properly as industrial waste.

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Slide Rail 示光K General Catalog

B Support Book

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Features and Types

Features of the Slide Rail

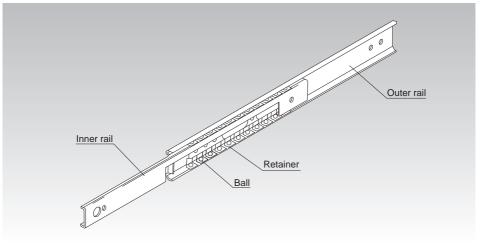


Fig.1 Structure of Slide Rail Model FBL

Structure and Features

Slide rails are low-price finite linear guides made out of precision roll-formed steel plates.

Suitable for various purposes because they are thin, compact, and easy to mount. Slide rails can be used in a wide range of applications such as photocopiers, measuring instruments, telecommunications equipment, medical equipment, automatic vending machines, and various types of office equipment.

The Model FBL slide rail has two rows of ball bearings placed between an inner rail and an outer rail that have been roll-formed out of steel plates. The ball bearings are evenly spaced by a precisely press-molded retainer, eliminating friction between the bearings and achieving a smooth sliding mechanism.

[Allows Easy Installation]

Simple to mount on the mounting surface. Since retainers hold the bearings, they do not fall out even if the inner rail is removed.

[Thin and Compact]

The thin cross section of the Model FBL slide rail means it can be installed in small spaces, and it is suitable for places where space saving is required.

[High Corrosion Resistance]

The Model FBL slide rail is treated with zinc plating, and models E and D are treated with a white anodized aluminum coating, making them highly corrosion-resistant.



Slide Rail

Features and Types

Slide Rail Types

Slide Rail Types

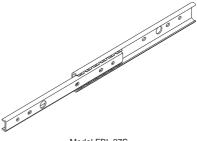
Types and Features

[Single Slides for Light Load]

Model FBL 27S

The most compact slide rail.

Specification Table⇒▲13-14

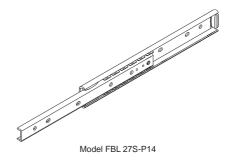


Model FBL 27S

Model FBL 27S-P14

The Model FBL 27S features a removable inner rail. When retracted, the inner rail can be automatically unlocked by pushing it further into the outer rail.

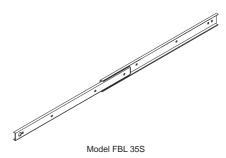
Specification Table⇒▲13-15

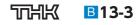


Model FBL 35S

A single slide type of slide rail with the most fundamental shape.

Specification Table⇒▲13-16

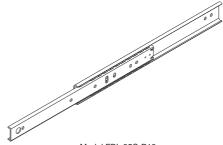




Model FBL 35S-P13

The Model FBL 35S features a removable inner rail. When retracted, it can be unlocked manually.

Specification Table⇒▲13-17

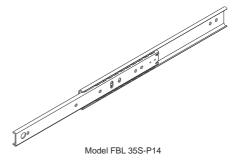


Model FBL 35S-P13

Model FBL 35S-P14

The Model FBL 35S features a removable inner rail. When retracted, the inner rail can be automatically unlocked by pushing it further into the outer rail.

Specification Table⇒▲13-18



Model FBL 35M

The Model FBL 35S features a removable inner rail. The slide rail is designed to stop by frictional resistance when it is fully opened. Remove the inner rail by applying more force. (Includes a brake stop)

Specification Table⇒▲13-19



Model FBL 35M

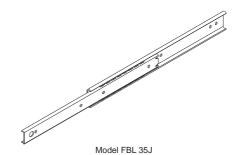
Features and Types

Slide Rail Types

Model FBL 35J

The Model FBL 35M with additional lead ball that serves as a guide when the inner rail is inserted.

Specification Table⇒▲13-20





The Model FBL 35M with additional mounting bracket.

Specification Table⇒▲13-21



Slide Rail

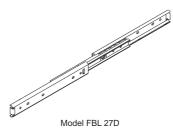


[Double Slides for Light Load]

Model FBL 27D

A double slide with an additional Model FBL 27S attached on the rear side of the inner rail. Widely used in many types of OA equipment.

Specification Table⇒▲13-22



Model FBL 35N

This is a three-rail double slide that allows a long stroke in a small space.

This is the only light-load double slide rail to use plate thickness of 1.2 mm to maximize weight reduction.

Specification Table⇒▲13-23



Model FBL 35N

Model FBL 35E

This is a three-rail double slide that allows a long stroke in a small space.





Model FBL 35E-P14

This is a three-rail double slide that allows a long stroke in a small space. The inner rail can be pulled out, and it can be automatically unlocked by pushing it further into the outer rail.





Model FBL 35E-P14

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Features and Types

Slide Rail Types

[Double Slides for Medium Load]

Model FBL 35G-P13

A double slide with an additional Model FBL 35S attached on the front side. The drawer rail can be pulled out, and it can be manually unlocked when retracted. It is also equipped with a useful locking mechanism that engages when the slide rail is fully opened.

Specification Table⇒▲13-26



Model FBL 35G-P14

A double slide with an additional Model FBL 35S attached on the front side. The drawer rail can be pulled out, and it can be automatically unlocked by pushing it further into the outer rail. It is also equipped with a useful locking mechanism that engages when the slide rail is fully opened.

Specification Table⇒▲13-27



Model FBL 35G-P14

Model FBL 35D

A double slide with an additional Model FBL 35S attached on the rear side of the inner rail. Widely used in a number of different industries.

Specification Table⇒▲13-28



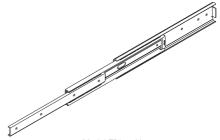


Model FBL 51H

A three-rail double slide that allows a long stroke. A thin model that can be used in small spaces, even with large working loads.

Specification Table⇒▲13-29

Specification Table⇒▲13-30



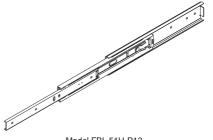


Model FBL 51H-P13

A three-rail double slide that allows a long stroke. A thin model that can be used in small spaces, even with large working loads. The inner rail can be pulled out, and locked states caused by the disconnection spring can be manually released when retracted. It is also equipped with a useful locking mechanism that engages when the slide rail is fully opened.

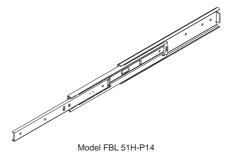


A three-rail double slide that allows a long stroke. A thin model that can be used in small spaces, even with large working loads. The inner rail can be pulled out, and it can be automatically unlocked by pushing it further into the outer rail.



Model FBL 51H-P13





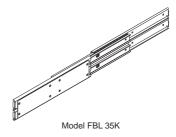
Slide Rail Types

[Double Slides for Heavy Load]

Model FBL 35K

A double slide combining four Model FBL 35S units. It features the largest allowable load among all models, making it suitable for opening/closing heavy objects.

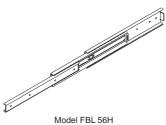
Specification Table⇒▲13-32



Model FBL 56H

Three-rail double slide with a large allowable load. Widely used in many types of office furniture.

Specification Table⇒▲13-33



Model FBL 56H-P13

Model FBL 56H-P14

outer rail.

Three-rail double slide with a large allowable load. The inner rail can be pulled out, and it can be manually unlocked when retracted. It is also equipped with a useful locking mechanism that engages when the slide rail is fully opened.

Three-rail double slide with a large allowable load. The inner rail can be pulled out, and it can be automatically unlocked by pushing it further into the



Model FBL 56H-P13

Specification Table⇒▲13-35

Specification Table⇒▲13-34



Model FBL 56H-P14



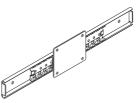


[Linear Type Slides]

Light Load Type Model FBL 35F

Linear-type slide suitable for limited straight motion, featuring a flange for easy mounting.

Specification Table⇒▲13-36

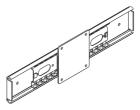


Light Load Type Model FBL 35F

Medium Load Type Model FBL 56F

Linear-type slide suitable for limited straight motion, featuring a flange for easy mounting. It is suitable for large working loads.

Specification Table⇒▲13-37



Medium Load Type Model FBL 56F

Heavy Load Type Model FBL 48DR

A heavy-load, low-friction linear-type slide, developed for sliding heavy doors.

Specification Table⇒▲13-38



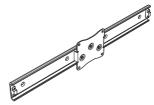
Heavy Load Type Model FBL 48DR

[Wheel-type Linear Slide]

Model E36RS

A linear slide that features wear-resistant resin bearings.

Specification Table⇒▲13-39



Model E36RS



Slide Rail Types

[Aluminum Alloy Slide Rail]

Light Load Type Model E15

A compact and lightweight single slide from the aluminum alloy series. Suitable for locations within magnetic fields, locations requiring rustresistant materials, and locations where appearance is a factor.

Specification Table⇒▲13-40



Light Load Type Model E15

Light Load Type Model E20

A basic single slide from the aluminum alloy series. Suitable for locations within magnetic fields, locations requiring rust-resistant materials, and locations where appearance is a factor.

Light Load Type Model D20

The most compact and lightweight double slide in the aluminum alloy series. Suitable for locations within magnetic fields, locations requiring rust-resistant materials, and locations where appearance is a factor.

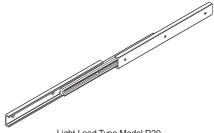
Specification Table⇒▲13-41



Light Load Type Model E20

Specification Table⇒▲13-42

Slide Rail



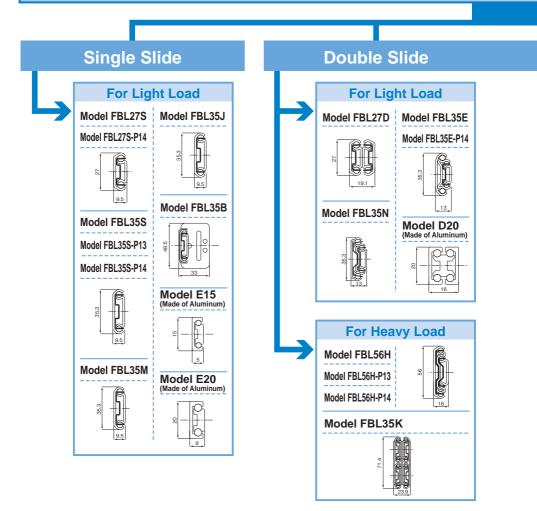
Light Load Type Model D20



Classification Table for Slide Rails

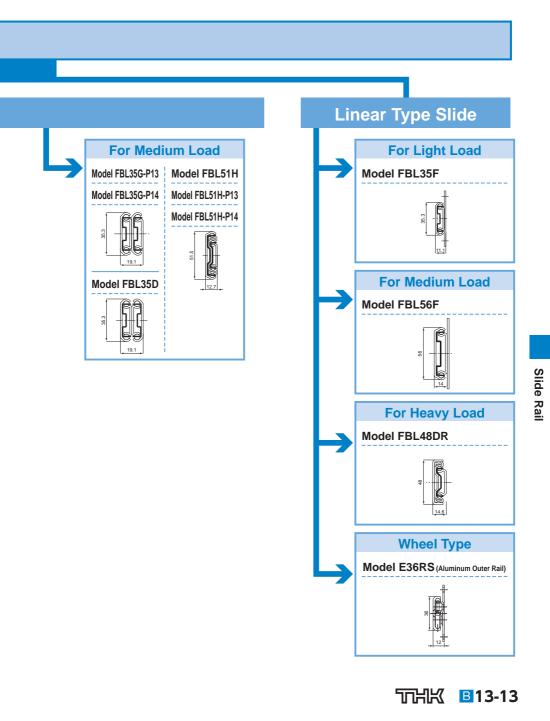
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Slide Rail



Features and Types

Classification Table for Slide Rails



Mounting Procedure

Mounting the Slide Rail

[Mounting Screws of the Slide Rail]

The slide rail is designed to be mounted using M4 screws. Since the mounting space is small as shown in Fig.1, we recommend using button head or binding head bolts.

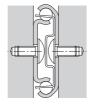


Fig.1

*			
Model number	button-head bolt	binding-head bolt	countersunk screw
Models FBL27S/27S-P14/27D	M3	M3 , M4	—
Model E15	-	—	M2.6
Models E20/D20	_	_	M3
Model FBL35E	M3	M3	_
Model E36RS	_	—	M4

Note that the mounting screw for the slide rail of the models indicated in the following table is different.

Note) For button head bolts, binding head bolts, and countersunk screws, see the appendix of JIS B 1111.

[Attaching the Slide Rail]

At full extension of the slide, mount the outer rail at the overlap of rails. Followed by full retraction of the slide and mount the opposite end using the access hole.

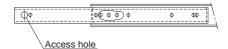
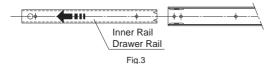


Fig.2

* For the following model numbers, mount outer rail after removing inner rail, as shown in Fig.3.

Models: FBL27S-P14,FBL35S-P13,FBL35S-P14,FBL35M,FBL35J,FBL35B,FBL35E-P14, FBL35G-P13,FBL35G-P14,FBL51H-P13,FBL51H-P14,FBL56H-P13,FBL56H-P14

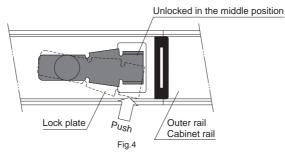




Mounting Procedure

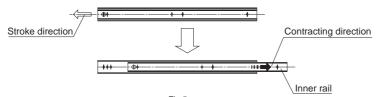
Mounting the Slide Rail

In addition, when mounting the outer rail or cabinet rail of models FBL35G-P13, FBL35G-P14, FBL51H-P13 and FBL56H-P13, which have locking mechanisms, release the lock by pressing the lock plate in the direction indicated in Fig.4 and adjust the position of the access hole.



* For the following models, mount the inner rail by sliding it in the contracting direction as show in Fig.5. When doing so, do not remove the inner rail from the outer rail. If the inner rail is pulled out, it may be difficult to reinsert.

Models: FBL27S, FBL35S



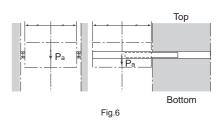


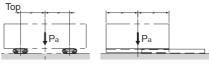
[Permissible Load and Mounting Orientation]

For use other than with the mounting orientation shown in Fig.6, contact THK.

The permissible load of the Slide Rail indicates the load in the direction Pa that two rails can receive in the middle of the inner rail length at the maximum stroke.

The mounting orientation shown in Fig.7 is applicable to "model FBL35B" only.





Bottom

Fig.7 Applicable to "model FBL35B" only

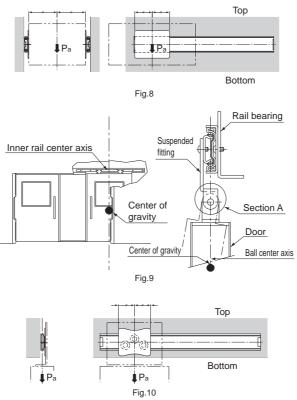


The mounting orientation of Fig.8 is applicable to model FBL35F and model FBL56F.

The mounting orientation of Fig.9 must be used for model FBL48DR. To prevent a moment load from being applied, position the center of gravity of the door on the ball and cage center lines, and ensure that section A of the hanger is structured to allow free rotation.

The mounting orientation of Fig.10 is applicable to model E36RS.

Unlike other slide rails, model FBL48DR and model E36RS are used in a single rail configuration. Therefore, the load must be centered on the ball and the cage center line.



[Surface Treatment]

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The surface of the Slide Rail is electro-galvanized (treated with trivalent chromate) as standard. The aluminum slide rail of models E and D is white alumite-treated as standard. The slider of model E36RS is electro-galvanized (trivalent chromate treatment) and the rail is white alumite-treated as standard. For other surface treatments, contact THK.

Model Number Coding

Model number configurations differ depending on the model features. Refer to the corresponding sample model number configuration.

[Single slide/Double slide]

Models FBL 27S, FBL 27S-P14, FBL 35S, FBL 35S-P13, FBL 35S-P14, FBL 35M, FBL 35J, FBL 35B, FBL 27D, FBL 35N, FBL 35E, FBL 35E-P14, FBL 35G-P13, FBL 35G-P14, FBL 35D, FBL 51H, FBL 51H-P13, FBL 51H-P14, FBL 35K, FBL 56H, FBL 56H-P13 and FBL 56H-P14



Model No.

Overall rail length (in mm)

[Linear Type Slides]Models FBL35F and FBL56F

FBL35F +356L #5

Model No.

Model number of mounting plate

Overall rail length (in mm)

[Heavy Load Linear Type Slide] • Model FBL48DR

FBL48DR +1810/696L

Model No. Outer rail length Inner rail length (in mm) (in mm)

[Linear Slide Wheel-type] • Model E36RS

E36RS +550L

Model number Overall rail length (mm)



E15 +100L

Model No. Overall rail length (in mm)



[Handling]

- (1) Tilting a Slide Rail may cause it to fall by its own weight.
- (2) Do not disassemble the parts. This will result in loss of functionality.
- (3) Take care not to drop or strike the Slide Rail. Doing so may cause injury or damage. Giving an impact to it could also cause damage to its function even if the product looks intact.
- (4) When handling the product, wear protective gloves, safety shoes, etc., as necessary to ensure safety.

[Precautions on Use]

- (1) When mounting the Slide Rail, use care to always keep both rails in parallel.
- (2) Prevent foreign material, such as cutting chips or coolant, from entering the product. Failure to do so may cause damage.
- (3) If the product is used in an environment where cutting chips, coolant, corrosive solvents, water, etc., may enter the product, use bellows, covers, etc., to prevent them from entering the product.
- (4) If foreign material such as cutting chips adheres to the product, replenish the lubricant after cleaning the product.
- (5) Avoid using the product at other than normal temperature, or using it in harsh conditions such as intensive reciprocations that generate frictional heat and environments with water or dust.
- (6) The durability of the Slide Rail varies depending on factors such as the drawing dimension, travel distance, mounting conditions and environment in addition to operating frequency. Take these factors into account when making a selection.
- (7) Note that the cage creep may occur if the slide rail is mounted vertically, subject to machine vibrations, etc. To correct the cage creep, fully open and fully close the slide rail. During this process, the motion will be less smooth than usual. If cage creep is inevitable, we recommend using Slide Packs, LM Guides, etc., which are infinite stroke linear motion systems.
- (8) If you replace an old slider or outer rail of your E36RS with a new one, the clearance and sliding resistance may substantially increase.
- (9) Do not use the supplied stopper as a mechanical stopper. This may damage the stopper due to impact.
- (10) Do not use undue force when fitting parts (pin, key, etc.) to the product. This may generate pressure marks on the raceway, leading to loss of functionality.
- (11) Insufficient rigidity or accuracy of mounting members causes the bearing load to concentrate on one point and the bearing performance will drop significantly. Accordingly, give sufficient consideration to the rigidity/accuracy of the housing and base and strength of the fixing bolts.

[Lubrication]

- (1) Lithium soap-based grease No. 2 is applied to the slide rail. Do not mix different lubricants. Even greases containing the same type of thickening agent may, if mixed, interact adversely due to disparate additives or other ingredients.
- (2) The consistency of grease changes according to the temperature. Take note that the slide resistance of the Slide Rail also changes as the consistency of grease changes.
- (3) After lubrication, the slide resistance of the Slide Rail may increase due to the agitation resistance of grease. Be sure to let the grease spread fully before use.



- (4) Excess grease may scatter immediately after lubrication, so wipe off scattered grease as necessary.
- (5) The properties of grease deteriorate and its lubrication performance drops over time, so grease must be checked and added properly according to the use frequency of the machine.
- (6) The greasing interval varies depending on the use condition and service environment. Set the final lubrication interval/amount based on the actual machine.

[Storage]

When storing the Slide Rail, enclose it in a package designated by THK and store it in a room in a horizontal orientation while avoiding high temperature, low temperature and high humidity. After the product has been in storage for an extended period of time, lubricant inside may have deteriorated, so add new lubricant before use.

[Disposal]

Dispose of the product properly as industrial waste.

