Grease nipples

For information about grease nipples, please see our website.

Port sizes for grease nipple

Type	Port size	
	Front	Side
SBI 15	M4x0,7	M4x0,7
SBI 20	M6x0,75	M4x0,7
SBI 25	M6x0,75	M4x0,7
SBI 30	M6x0,75	M6x0,75
SBI 35	M6x0,75	M6x0,75
SBI 45	PT 1/8	M6x0,75
SBI 55	PT 1/8	PT 1/8
SBI 65	PT 1/8	PT 1/8

Seal options

Combination	Seal symbol
End plate + End seals	No symbol (Standard)
End plate + End seals + High dust protection seal (DF)	DF
End plate + End seals + Scraper (ZZ)	ZZ
End plate + End seals + High dust protection seal (DF) + Scraper (ZZ)	DFZZ
End plate + Self lubricant container (MF) + End seals	MF
End plate + Self lubricant container (MF) + End seals + Scraper (ZZ)	MFZZ

Raydent treatment

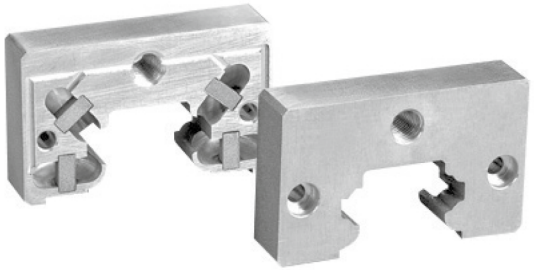
The rails and blocks can be supplied with the surface treatment Raydent. The treatment gives a corrosion resistant and patented black surface. Stainless steel balls are available on special request and for a few sizes only.

Please contact Rollco for more information.

High temperature design HT end-plate

If working temperature is more than 80°C, Rollco can supply the high temperature end-plate which is made of aluminum. Recommended working temperature: -30 ~ 150°C.

For high temperature applications we can replace all plastic components with steel or aluminum. Please contact us for more information.



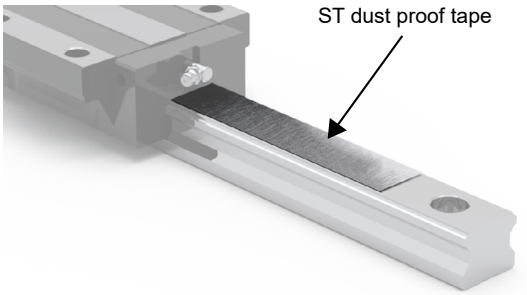
Stainless ST Dustproof Tape

Stainless steel ST dustproof tape improves rail face sealing and works in conjunction with guide block seals. Conventional plastic plugs do not offer the same improved sealing performance.

Installation of ST tape:

1. After assembling a rail to the bed, clean the surface of the rail and remove any oil.
2. Attach the ST tape slowly over the rail length to within 2 or 3 mm from each end of the rail.
3. After attachment to the rail, apply pressure with dry cloth 3 or 4 times along the length of the rail to release encapsulated epoxy. Tape should be applied 4 to 6 hours prior to use to allow initial bonding.

Note: It is strongly recommended to wear safety gloves, the edge of this tape is sharp and can cut as you attach it to the rail.

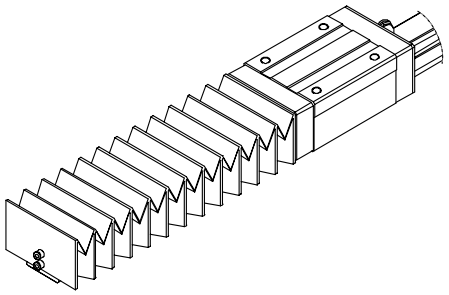


Bellows

For the best protection of the linear rail system, bellows can be used.

Reference: SBI type: SH-DA

Please contact Rollco for more information.

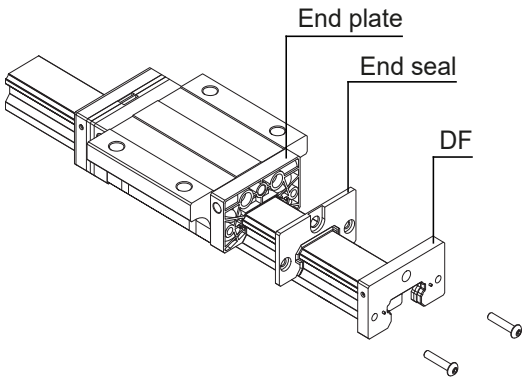


High dust-proof seal DF

For protecting the linear rail system from fine foreign matter, use the high dust-proof DF seal. The high density felt in the DF unit contact the entire rail profile section, leaving no gaps for dust and debris to enter the block.

For DF to be most effective, it is recommended to either combine it with bottom mounted rails SBI-B or using the option ST Stainless Dustproof Tape.

See our website or contact us for further information.



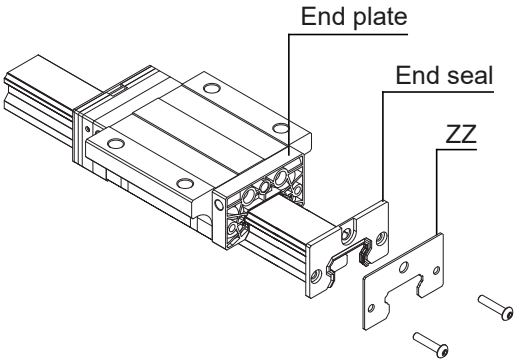
Seal symbol	Combination
DF	End plate + End seals + High dust protection seal (DF)

ZZ Steel Scraper

Steel scrapers are used as outer shields if there is a need to wipe off large and potentially stick debris from the rail.

The steel scraper will protect and enhance the lifetime of the sealing system behind them. Works both with the standard seal and option MF and DF.

Please contact Rollco for more information.



Seal symbol	Combination
ZZ	End plate + End seal + Steel Scraper (ZZ)

Selection of RCS Clamping Element

Because of the height difference of different rail guide blocks and to ensure the proper function of the RCS Clamping Element, the use of adapter plates is sometimes needed.

Rail type	Clamping element	Adapter plate
SBI15FL	RCS15	-
SBI15SL	RCS15	RCP 15-4
SBI15HL	RCS15	-
SBI15FV	RCS15	-
SBI15SV	RCS15	-
SBI20FL	RCS20	RCP 20-2
SBI20SL	RCS20	RCP 20-2
SBI20FLL	RCS20	RCP 20-2
SBI20SLL	RCS20	RCP 20-2
SBI20CL	RCS20	-
SBI20CLL	RCS20	-
SBI20FV	RCS20	-
SBI20SV	RCS20	-
SBI25FL	RCS25	-
SBI25SL	RCS25	RCP 25-4
SBI25FLL	RCS25	-
SBI25SLL	RCS25	RCP 25-4
SBI25HL	RCS25	-
SBI25HLL	RCS25	-
SBI30FL	RCS30	-
SBI30SL	RCS30	RCP 30-3
SBI30FLL	RCS30	-
SBI30SLL	RCS30	RCP 30-3
SBI30HL	RCS30	-
SBI30HLL	RCS30	-
SBI35FL	RCS35	-
SBI35SL	RCS35	RCP 35-7
SBI35FLL	RCS35	-
SBI35SLL	RCS35	RCP 35-7
SBI35HL	RCS35	-
SBI35HLL	RCS35	-

For other types - please contact Rollco.

Selection of MK & MKS Clamping Element

Because of the height difference of different rail guide blocks and to ensure the proper function of the MK or MKS Clamping Elements, the use of adapter plates is sometimes needed.

Rail type	Clamping element	Adapter plate
SBI15FL	MK1501A / MKS1501A	-
SBI15FLL	MK1501A / MKS1501A	-
SBI15FV	MK1501A / MKS1501A	-
SBI15HL	MK1501A / MKS1501A	-
SBI15HLL	MK1501A / MKS1501A	-
SBI15HLS	MK1501A / MKS1501A	-
SBI15SL	MK1501A / MKS1501A	PMK15-4
SBI15SLL	MK1501A / MKS1501A	PMK15-4
SBI15SV	MK1501A / MKS1501A	-
SBI20CL	MK2001A / MKS2001A	-
SBI20CLL	MK2001A / MKS2001A	-
SBI20CLS	MK2001A / MKS2001A	-
SBI20FL	MK2001A / MKS2001A	PMK20-2-A
SBI20FLL	MK2001A / MKS2001A	PMK20-2-A
SBI20FV	MK2001A / MKS2001A	-
SBI20SL	MK2001A / MKS2001A	PMK20-2-A
SBI20SLL	MK2001A / MKS2001A	PMK20-2-A
SBI20SV	MK2001A / MKS2001A	-
SBI25CL	MK2501A / MKS2501A	-
SBI25CLL	MK2501A / MKS2501A	-
SBI25FL	MK2501A / MKS2501A	PMK25-2
SBI25FLL	MK2501A / MKS2501A	PMK25-2
SBI25FV	MK2501A / MKS2501A	-
SBI25HL	MK2501A / MKS2501A	PMK25-2
SBI25HLL	MK2501A / MKS2501A	PMK25-2
SBI25SL	MK2501A / MKS2501A	PMK25-6
SBI25SLL	MK2501A / MKS2501A	PMK25-6
SBI25SV	MK2501A / MKS2501A	-
SBI30FL	MK3001A / MKS3001A	-
SBI30FLL	MK3001A / MKS3001A	-
SBI30HL	MK3001A / MKS3001A	-
SBI30HLL	MK3001A / MKS3001A	-
SBI30SL	MK3001A / MKS3001A	PMK30-3
SBI30SLL	MK3001A / MKS3001A	PMK30-3
SBI35FL	MK3501A / MKS3501A	-
SBI35FLL	MK3501A / MKS3501A	-

Rail type	Clamping element	Adapter plate
SBI35HL	MK3501A / MKS3501A	-
SBI35HLL	MK3501A / MKS3501A	-
SBI35SL	MK3501A / MKS3501A	-
SBI35SLL	MK3501A / MKS3501A	-
SBI45FL	MK4501A / MKS4501A	PMK45-6
SBI45FLL	MK4501A / MKS4501A	PMK45-6
SBI45HL	MK4501A / MKS4501A	PMK45-6
SBI45HLL	MK4501A / MKS4501A	PMK45-6
SBI45SL	MK4501A / MKS4501A	PMK45-16
SBI45SLL	MK4501A / MKS4501A	PMK45-16
SBI55FL	MK5501A / MKS5501A	PMK55-6
SBI55FLL	MK5501A / MKS5501A	PMK55-6
SBI55HL	MK5501A / MKS5501A	PMK55-6
SBI55HLL	MK5501A / MKS5501A	PMK55-6
SBI55SL	MK5501A / MKS5501A	PMK55-16
SBI55SLL	MK5501A / MKS5501A	PMK55-16
SBI65FL	MK6501A / MKS6501A	-
SBI65FLL	MK6501A / MKS6501A	-
SBI65SL	MK6501A / MKS6501A	-
SBI65SLL	MK6501A / MKS6501A	-

For other types - please contact Rollco.