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RS PRO HGH-HA Linear Guide Blocks



Product Description

The Linear Guide Blocks are designed with the following advantages:

- Free of play
- Replaceable
- High precision
- High load ratings and rigidity in all directions
- Low friction losses even with preload by optimized ball tracks and 2-point contact

Main Applications include:

- Machining centres
- NC lathes
- Grinders
- Precision milling
- High-performance cutting machinery
- Automation technology
- Transportation technology
- Measuring technology
- Machines and devices requiring a high level of positioning accuracy

Mechanical Specifications

- Rail Width: 25mm
- Carriage Width: 48mm
- Carriage Length: 104.6mm
- Size: 25mm
- Dynamic Load Rating: 42.2kN
- Static Load Rating: 69.07kN

Product Usage Instructions

1. Ensure the Linear Guide Blocks are securely mounted from the top.
2. Avoid overloading the blocks beyond the specified load capacity.
3. Regularly inspect for any signs of wear or damage and replace if necessary.
4. Apply appropriate lubrication to reduce friction losses and maintain optimal performance.

Features

HG Series

- 4-row recirculating ball bearing guide
- 45° contact angle of the ball tracks
- High load capacity in all installation positions
- High rigidity

RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

Features of the G Series:

Four ball tracks are designed for loads and a rigidity that is more than 30 % higher than for similar products. This is due to the optimization of the ball track and the recirculating

ball system. Low friction forces and high efficiency are additional features of the HG series. The ball retainers prevent the balls from falling out when pulled from the rail during installation of the carriages. The interchangeable models are more user-friendly, as the block and rail can be replaced freely

Advantages:

- Free of play
- Replaceable
- High precision
- High load ratings and rigidity in all directions
- Low friction losses even with preload by optimized ball tracks and 2-point contact

Main Applications:

- Machining centres.
- NC lathes
- Grinders
- Precision milling
- High-performance cutting machinery
- Automation technology
- Transportation technology
- Measuring technology
- Machines and devices requiring a high level of positioning accuracy

General Specifications.

Manufacturer Series	HGH
Model Type	HGH-HA
Type	Interchangeable
Block Type	Square Type
Preload Type	Light Preload

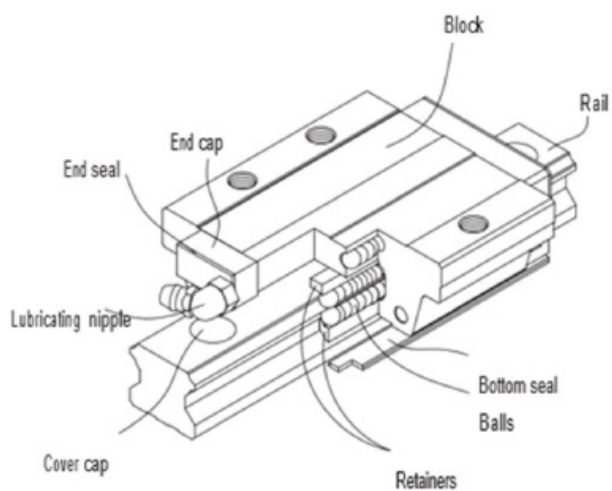
Load Type	Super Heavy Load
Block Mounting Type	Mounting From Top
Accuracy Class	H – High
Material	Carbon Steel
Dust Protection	Standard Protection

Mechanical Specifications

For Rail Width	25mm
Carriage Width	48mm
Carriage Length	104.6mm
Size	25mm
Dynamic Load Rating	42.2kN
Static Load Rating	69.07kN

Construction

Construction of the HG Series



- 4-row recirculating ball bearing guide
- 45° contact angle of the ball tracks
- The ball retainers prevent the balls from falling out when the carriage is removed.
- Different sealing variants, depending on the application area.
- Six connection options for grease nipples or grease adapters

Please see our complete RS PRO HG Series product guide for detailed specifications

FAQS

- **Q: What are the main advantages of the Linear Guide Blocks?**

A: The Linear Guide Blocks are free of play, replaceable, offer high precision, high load ratings, and rigidity in all directions with low friction losses even with preload.


- **Q: What are the main applications of the Linear Guide Blocks?**

A: The main applications include machining centres, NC lathes, grinders, precision milling, high-performance cutting machinery, automation technology, transportation technology, measuring technology, and machines requiring high positioning accuracy.

- **Q: How should I mount the Linear Guide Blocks?**

A: Mount the blocks securely from the top to ensure stability and proper functionality.

Documents / Resources

	<p>RS PRO HGH-HA Linear Guide Blocks [pdf] User Guide</p> <p>HGH-HA, HGH-HA Linear Guide Blocks, HGH-HA, Linear Guide Blocks, Guide Blocks, Blocks</p>
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References

- [User Manual](#)

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Blocks, Guide Blocks, HGH-HA, HGH-HA Linear Guide Blocks, Linear Guide Blocks, RS
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