### Linear Guides for Medium Load

**With Plastic Retainers / Interchangeable – Light Preload**

**Standard**
- SVEL, SVDL, SKDL, SKWDL, SKVWDL, SKSVWDL, SKSVWTZ, SKVWTLZ, SKSVRLZ, SKSVRZ
- Housing Material: Carbon Steel (1.6548 endure)
- Rail Mounting Hole Caps
- Rail End Caps
- Tapped Holes
- Radial Clearance (µm)
- First Stage Tapered Roller Bearing: KOYO Bearing
- Rail End Cut
- Reduction of Stress by Cutting
- Rail End Cut: Material reduction by cutting
- Graphite Filled (Gps:32)
- Holes F, G
- Counterbored Holes
- Steel Balls
- Hardness: Carbon Steel
- Bearing Designations
- Reference Side
- Plane C against Plane A
- Plane D against Plane B
- Reference Plane

**Wide Block**
- SVWLZ, SVWTLZ, SVWZ, SV2WZ, SV2WLZ, SV2WTLZ, SV2WLZ, SV2WTZ
- Bearing Designations
- Reference Side
- Plane D against Plane B
- Reference Plane

**Note:** Dimensions in ( ) are for Wide Black Tapped Hole Type.

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### Precautions for Use

- Blocks are equipped with retainers (pin) to prevent balls from dropping. For blocks SVRLZ, SVRZL, SV2RLZ, SV2RZL, and SVWZL, remove the pin before installation.
- For interchangeability, Light Preload Type, rails and blocks can be interchanged.
- Straight grooves are provided on datum planes. Be sure to match the datum lines when using.
- Rails cannot be connected end to end.
- Tapped Holes
- Rail End Cut
- Reduction of Stress by Cutting
- Rail End Cut: Material reduction by cutting
- Graphite Filled (Gps:32)
- Holes F, G
- Counterbored Holes
- Steel Balls
- Hardness: Carbon Steel
- Bearing Designations
- Reference Side
- Plane C against Plane A
- Plane D against Plane B
- Reference Plane

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### Others

- Filled with Lithium soap based grease (Alvania Grease S2 by Showa Shell Sekiyu K.K).
- Grease Fitting is screw-in type, and thus, can be repositioned.
- Grease Fittings

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### Part Number

- **Type**
  - SVWZ28 - 820
- **H**
  - 24
  - 33
  - 42
- **L**
  - 120
  - 220
  - 280

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### Position of Grease Fitting

- **Reference plane on the front side:**
  - Rail End Cut
  - Reduction of Stress by Cutting
  - Rail End Cut: Material reduction by cutting

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### Selectable Shortest Rail Length

- **R**
  - 24
  - 28
  - 33
- **H**
  - 24
  - 28
  - 33
- **G**
  - 24
  - 28
  - 33
- **F**
  - 4.8
  - 5.2
  - 5.7

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### Options for Linear Guide

- Linear Guide Clamps
- Rail Height Adjusting Blocks
- Sliper Rods
- Black Sliper Plate
- Shock Absorbers
- Preload Rods
- Rail Push Plates
- Rail Mounting Hole Caps
- Linear Locks
- Linear Guide Lock Units

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### Linear Guides for Medium Load – With Plastic Retainers, Interchangeable – Light Preload, continued

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### Linear Guides

- There’s more on the web: misumi-usa.com

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### Check out misumi-usa.com for the most current pricing and lead time.