

## Features

### RG Series

- 4-row recirculating roller bearing guide
- 45° contact angle of the ball tracks
- Recirculation roller guide
- Very high load capacity
- Very high rigidity

## RS PRO Linear Guide Rails

RS Stock No.: 0345455



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.

**Features of RG Series:**

- The RG series features a roller as the rolling element instead of steel balls. The roller series offers super high rigidity and very high load capacities. The RG series is designed with a 45-degree contact angle. Elastic deformation of the linear contact surface, during load, is greatly reduced thereby offering greater rigidity and higher load capacities in all 4 load directions. The RG series linear guideway offers high performance for high-precision manufacturing and achieving longer service life.

**Advantages:**

- Free of play
- Replaceable
- High precision
- Very high load capacity
- Low displacement force also with high preload

**Typical Applications:**

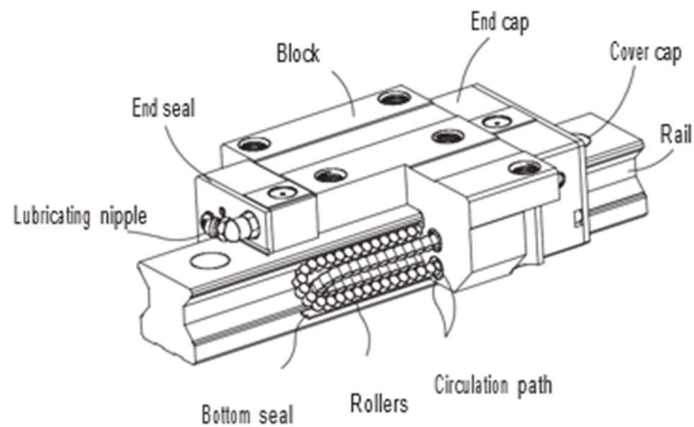
- Automation Systems
- Transportation equipment
- CNC machining centres
- Heavy duty cutting machines.
- CNC grinding machines.
- Injection moulding machines
- Plano millers
- Devices requiring high rigidity.
- Devices requiring high load capacity.
- Electric discharge machines

## General Specifications

Manufacturer Series	RG
Model Type	RGR-R
Type	Interchangeable
Block Mounting Type	Mounting From Top
Rail Length	300mm
Rail Width	20mm
Materials	Carbon Steel
Size	20mm
Accuracy Class	H - High

## Construction

### Construction of RG Series



- 4-row recirculation roller bearing
- 45° contact angle
- The roller retainers prevent the rollers from falling out when the carriage is removed
- Different sealing variants, depending on application area
- Six connection options for grease nipples or grease adapters

\*\*\* Please see our complete RS PRO RG Series product guide for detailed specifications