



Rack Driven Ballslides

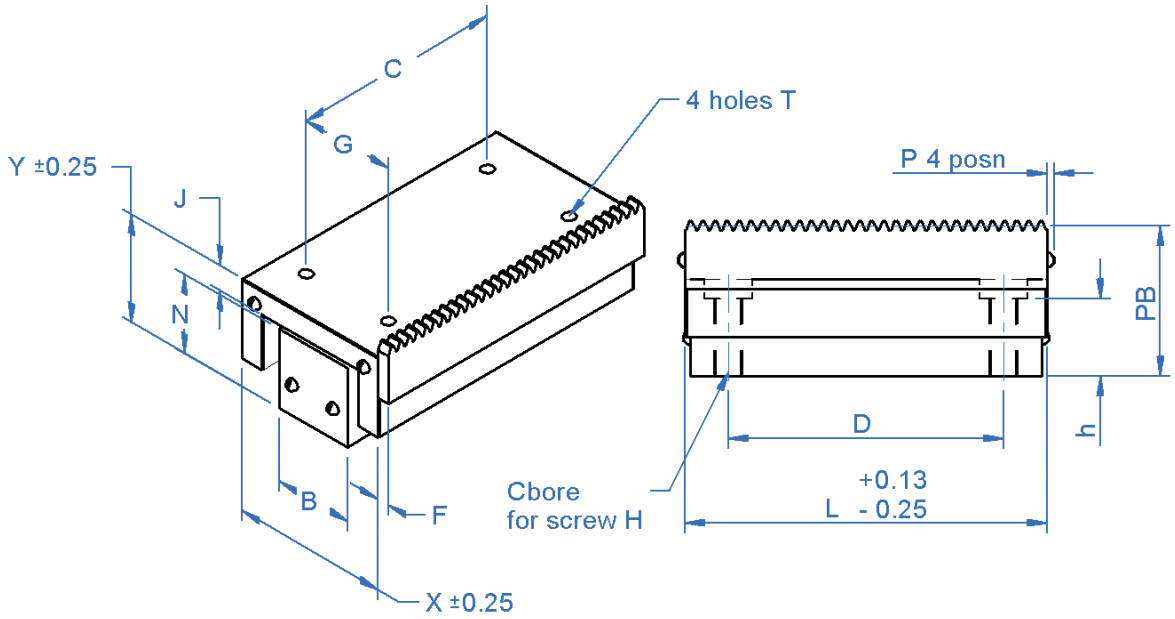
General Information

All dimensions in mm
 General tolerances:
 ±0.13mm
 Material:
 See tables

Associated Products

Fasteners
 Rack pinions

Visit our online catalogue for associated products at:



Drawing dimension and mounting table

| Dimensions | | | | | | | | Mounting Details | | | |
|------------------|--------------|-----------|------------------|----------|---------|--------------|---------|------------------|-------------|---------------|---------|
| Ballslide Series | Rack | | Slide | | | | | Base | | Carriage | |
| | Face Width F | Height PB | Carriage Width X | Height Y | Screw P | Base Width B | Depth N | Screw H | Thro Dist h | Thread Size T | Depth J |
| RDA | 2.50 | 11.629 | 14.22 | 8.13 | 1.0 | 6.35 | 4.75 | M2 | 2.6 | M2 | 2.54 |
| REA | 3.75 | 11.500 | 19.05 | 10.41 | 1.0 | 9.53 | 6.35 | M3 | 3.0 | M3 | 3.30 |
| RNA | 3.75 | 14.500 | 26.92 | 13.46 | 1.0 | 12.70 | 7.92 | M4 | 3.3 | M4 | 4.83 |
| RSA2 | 7.56 | 20.690 | 44.45 | 19.05 | 2.0 | 22.23 | 10.16 | M4 | 5.6 | M4 | 8.13 |

L, C & D dimension, see part number on page 47.

Slide specifications

| | |
|--------------------------|--------------------------------------------------------------------------------|
| Straight line accuracy | 0.0005mm per mm |
| Positional repeatability | 0.005mm |
| Coefficient of friction | 0.003 typical |
| Construction | Aluminium carriage and base Hardened steel rods and balls Steel end caps |
| Finish: Carriage | Clear anodised standard (black finish available) |
| Base | |

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Rack Driven Ballslides



Part number selection table

| Part Number | Ballslide Travel +1.5/-0.0 | Ballslide Length L | Hole Centres C | Hole Centres D | Hole Centres G | Ballslide Load Capacity N |
|---------------|-------------------------------|-----------------------|-------------------|-------------------|-------------------|------------------------------|
| RDA-1 | 12.7 | 26.92 | 15.00 | 19.00 | 6.0 | 17.8 |
| RDA-3 | 50.8 | 77.72 | 66.00 | 60.00 | | 53.4 |
| RDA-6 | 127.0 | 153.92 | 142.00 | 114.00 | | 80.1 |
| REA-1 | 12.7 | 26.92 | 15.00 | 19.00 | 9.0 | 35.6 |
| REA-3 | 50.8 | 77.72 | 66.00 | 60.00 | | 53.4 |
| REA-6 | 127.0 | 153.92 | 142.00 | 114.00 | | 80.1 |
| RNA-3 | 50.8 | 90.42 | 82.00 | 79.00 | 10.0 | 89.0 |
| RNA-6 | 101.6 | 152.40 | 140.00 | 102.00 | | 133.5 |
| RNA-10 | 203.2 | 254.00 | 240.00 | 178.00 | | 178.0 |
| RSA2-2 | 50.8 | 82.55 | 65.00 | 65.00 | 20.0 | 186.9 |
| RSA2-4 | 101.6 | 152.40 | 140.00 | 100.00 | | 267.1 |
| RSA2-8 | 203.2 | 254.00 | 240.00 | 178.00 | | 400.6 |

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Rack specifications

| Ballslide Series | Rack Pitch | Material | Hardness | Cumulative Pitch Error per 300mm |
|------------------|------------|-----------------|-----------|----------------------------------|
| RDA | 1.0 | Stainless steel | 35-45 HRc | 0.008mm |
| REA | | | | |
| RNA | | | | |
| RSA2 | 2.5 | | | |

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Non-standard options, please enquire....

- Imperial racks.

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