

# MC17

**Sealed ball screw linear module for cleanroom applications.**

MC series

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## PERFORMANCE BY BALL-SCREW LEAD

Table condition: 3,000 rpm

| Ball-screw lead (mm) | Maximum speed (mm/s) | Horizontal load (kg) | Vertical load (kg) | Rated thrust (N) |
|----------------------|----------------------|----------------------|--------------------|------------------|
| 5                    | 250                  | 150                  | 50                 | 2563             |
| 10                   | 500                  | 120                  | 40                 | 1281             |
| 25                   | 1250                 | 80                   | 25                 | 480              |

Above 850 mm stroke, reduce speed.

## TECHNICAL DETAILS

Repeatability grade

**C:  $\pm 0.01$  mm**  
**P:  $\pm 0.008$  mm**

Ball screw diameter

**25 mm**

Guide count

**2**

Motor power

**750 W**

Allowable overhang moment MR

**589 Nm**

Stroke interval

**50 mm**

Movement distance

**100-2000 mm**

Body width

**170 mm**

Linear guide

**20 x 17.5 mm**

Allowable overhang moment MP

**785 Nm**

Allowable overhang moment MY

**785 Nm**