

DGB200 Series

Dual Guides Ball Screw Module



Features:

- Ball screw drive with servo motor or stepper motor options
- High quality dual size 15 linear guidance rails (made in Germany)

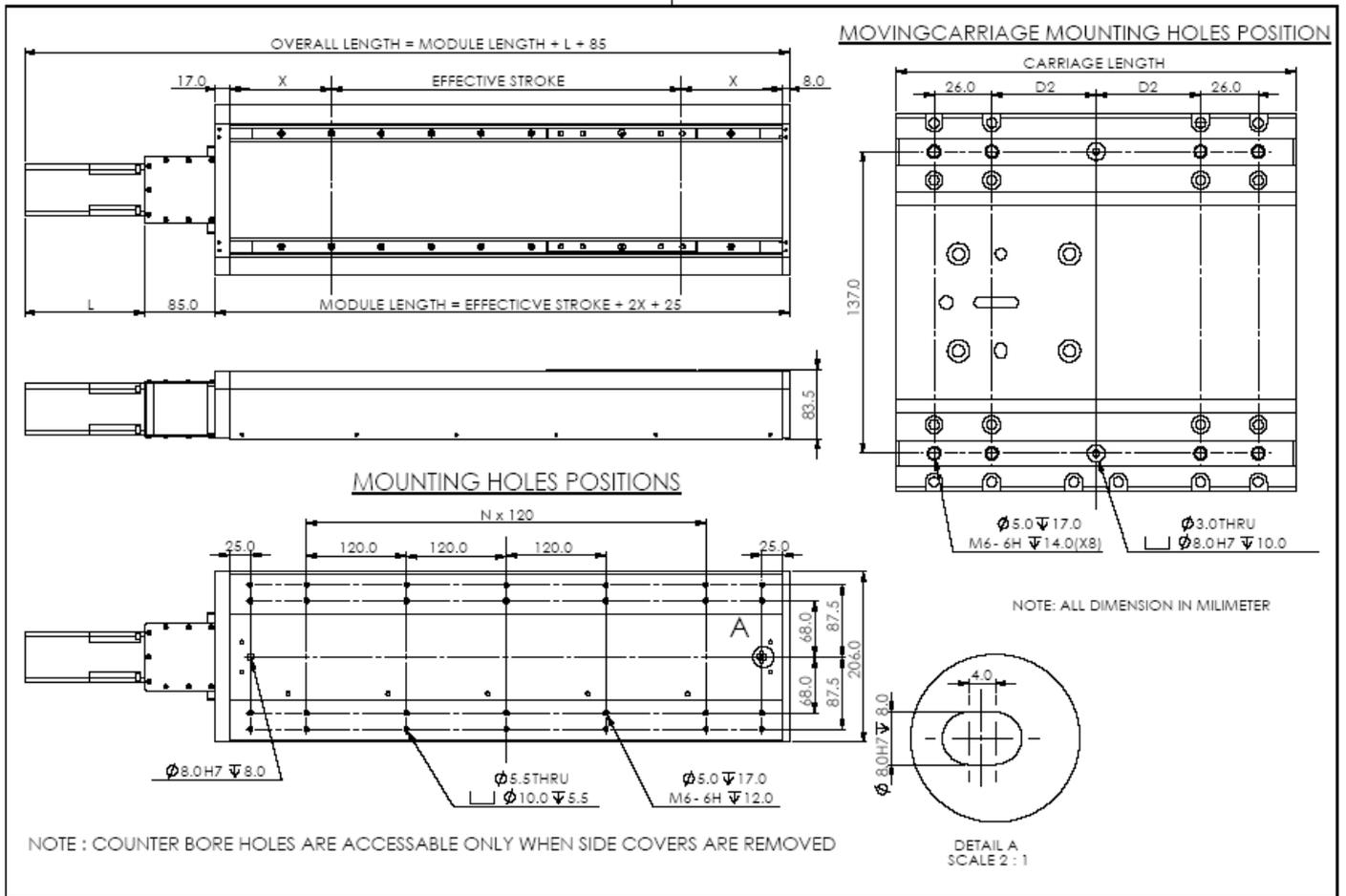
Unique Advantages:

- *Integrated, concealed limit switches*
- *Low noise type runner blocks ensures low noise even at high speeds*
- *Modular design; can be assembled as an XY stage*

Standard Models (Rapid Delivery Series)

| Model | Effective Stroke (mm) | Carriage Length (mm) | Module Length (mm) | D1 (mm) | D2 (mm) | X (mm) | N | Overall Mass (kg) | Moving Mass (kg) |
|--------|-----------------------|----------------------|--------------------|---------|---------|--------|----|-------------------|------------------|
| DGB200 | 200 | 180 | 480 | - | 47 | 122 | 3 | 18.1 | 3 |
| | 300 | | 580 | | | | 3 | 21 | |
| | 400 | | 680 | | | | 5 | 24.3 | |
| | 500 | | 780 | | | | 5 | 27.2 | |
| | 600 | | 880 | | | | 7 | 30.1 | |
| | 1000 | | 1280 | | | | 8 | 41.7 | |
| | 1200 | | 1480 | | | | 10 | 44.6 | |

| Motor Size*** | Rated Torque (Nm) | Peak Torque (Nm) | Rated Speed (rpm) | Maximum Speed (rpm) | Motor Length L (mm) | Type | Remarks |
|---------------|-------------------|------------------|-------------------|---------------------|---------------------|---------|------------|
| M60-1 | 0.318 | 0.955 | 3000 | 5000 | 90.5 | Servo | w/o brake |
| M60-2 | 0.637 | 1.912 | | | 104.5 | | |
| M60-4 | 1.274 | 3.822 | | | 132.5 | | |
| M60-1-B | 0.318 | 0.955 | | | 160.5 | | with brake |
| M60-2-B | 0.637 | 1.912 | | | 174.5 | | |
| M60-4-B | 1.274 | 3.822 | | | 202.5 | | |
| M60-S8 | | 0.82 | | | 72 | Stepper | w/o brake |
| M60-S16 | | 1.53 | | | 102 | | |



Ordering Example (Rapid Delivery Series)

| DGB200 | MOTOR | EFFECTIVE | Ballscrew | COVER | PRECISION | Preload |
|--------|--------------|-----------|-----------|--------|-----------|---------|
| | SIZE | STROKE | Pitch | OPTION | CLASS | |
| | M60-1,2,4*** | (mm) | (mm) | (Type) | (Type) | (Type) |
| | M60-1,2,4-B | 200-1200* | 20 | S | S or P** | 2**** |
| | M60-S8,S16 | | | | | |

Note*: For customized stroke length, please contact us.

Note**: For applications that have specific straightness and flatness requirements, precision class (P) is available. Please contact us.

Note***: All servo motors are supplied with 2500 lines incremental rotary encoder.

Note****: Ball screws are supplied with 2% preload .

General Note:

Computed resolution of module with 2500 lines incremental encoder after quadrature, with 20mm ballscrew lead is 2 micron.

Please contact us for a customized solution if you are unable to find one here.

Ordering Example: DGB200-M60-2-B-300-20-S-S

DGB200 balls crew module, with M60-2-B servo motor with brake, stroke 300mm, ballscrew pitch 20 mm, standard cover, standard accuracy.