M/C内部干渉の心配無用 高性能タイプ
High performance range with back mounted motor to reduce interference with machining area

- 高剛性により強力切削が可能
  High rigidity for heavy cutting
- 高精度
  High accuracy
- モータ後方取付により大型M/Cとの干渉を防ぐ
  Space saving
- エアハイドロブースタ内蔵により、空圧でも油圧クラップに匹敵する高クランプトルク
  Integrated air booster provides high clamping torque (comparable to hydraulic) from a standard air supply
- 空圧クラップ方式又は油圧クラップ仕様が選択可能
  Air booster or direct hydraulic clamping options available

※CE対応品 CE correspondence

使用事例 Sample Application

▲省スペースなバックモータで、狭い所でもゆとりで仕様が可能です
Space saving design reduces footprint size.
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>TBX160</th>
<th>TBX200</th>
<th>TBX250</th>
<th>TBX320</th>
</tr>
</thead>
<tbody>
<tr>
<td>デザイン番号</td>
<td>Design No.</td>
<td>Design No.</td>
<td>Design No.</td>
<td>Design No.</td>
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<tr>
<td>Motor type</td>
<td>Motor type</td>
<td>Motor type</td>
<td>Motor type</td>
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</tr>
<tr>
<td>クラップ方式 Clamping method</td>
<td>Clamping method</td>
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<td>Clamping method</td>
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</tr>
<tr>
<td>クラップトルク Clamping torque</td>
<td>Clamping torque</td>
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<td>Clamping torque</td>
</tr>
<tr>
<td>モータ軸換算イーゼラ Motor axis reduced inertia (kg·m²)</td>
<td>Motor axis reduced inertia (kg·m²)</td>
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<td>Motor axis reduced inertia (kg·m²)</td>
</tr>
<tr>
<td>サーボモータ (FANUC仕様の場合) Servo motor (for FANUC specification)</td>
<td>Servo motor (for FANUC specification)</td>
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<td>Servo motor (for FANUC specification)</td>
</tr>
<tr>
<td>減速比 Gear ratio</td>
<td>Gear ratio</td>
<td>Gear ratio</td>
<td>Gear ratio</td>
<td>Gear ratio</td>
</tr>
<tr>
<td>最高回転速度 Max. spindle speed</td>
<td>Max. spindle speed</td>
<td>Max. spindle speed</td>
<td>Max. spindle speed</td>
<td>Max. spindle speed</td>
</tr>
<tr>
<td>割り約け Indexing accuracy (sec)</td>
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<td>Indexing accuracy (sec)</td>
<td>Indexing accuracy (sec)</td>
</tr>
<tr>
<td>再現精度 Repeatability (sec)</td>
<td>Repeatability (sec)</td>
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<td>Repeatability (sec)</td>
<td>Repeatability (sec)</td>
</tr>
<tr>
<td>製品質量 Mass of product (kg)</td>
<td>Mass of product (kg)</td>
<td>Mass of product (kg)</td>
<td>Mass of product (kg)</td>
<td>Mass of product (kg)</td>
</tr>
<tr>
<td>テーブルスピンドル Tail Spindle (as an option P111 reference)</td>
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</tr>
</tbody>
</table>

### Notes

1. Pressure check is incorporated to all series except TC/DM/LR of NC tables. In case of air hyd. clamp specification, the solenoid valve for table clamp is incorporated. 2. Neither cable nor hose is fitted between NC rotary table and machine tool. 3. Solenoid valve is not incorporated in case of hydraulic clamp method. Consequently, customer shall prepare it. Because a mounting pitch varies with the machines, refer to the pitch of the table spindle size drawing on P111. Each product mass is determined by a Kitagawa M signal spec.
TBX series TBX160・TBX200・TBX250・TBX320

寸法図 [付加軸仕様] Dimensions [4th axis specifications]

TBX160

- Clamping air supply port (on back side)
- Table surface
- Thru-Hole Diameter

TBX200

- Clamping air supply port (on back side)
- Table surface
- Thru-Hole Diameter

TBX250

- Clamping air supply port (on back side)
- Table surface
- Thru-Hole Diameter

TBX320

- Clamping air supply port (on back side)
- Table surface
- Thru-Hole Diameter

※上記外観寸法はFANUC仕様です。他社モータ仕様の場合、寸法が異なることがあります。
※The above dimensions are the same as FANUC spec. Those dimensions may vary from motor to motor that is mounted.
＊モータの仕様により外形寸法が変わる可能性があります。 ＊The dimensions may vary from motor to motor that is mounted.

■寸法図 [北川専用コントローラ（Quinte）仕様] Dimensions [Kitagawa’s control device Quinte specification]