



# RWE SERIES INDEXERS

**TSUDAKOMA**

# TSUDAKOMA RWE-Series Indexers

These indexers are built with a compact design for precise machining. Many options and accessories are available such as a face plate and steel braided cable set. A TPC-Jr Controller is included with all RWE-Series indexers.

## Specifications

Dimensions = mm

| Indexer Model                                                                |                                                                                                             | RWE-160R TPC            | RWE-200R TPC             |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|
| Spindle outer diameter                                                       |                                                                                                             | 100h7                   | 120h7                    |
| Table diameter (optional)                                                    |                                                                                                             | (160 or 200)            | (200 or 250)             |
| Center height                                                                |                                                                                                             | 135                     | 160                      |
| Center bore                                                                  | Nose Diameter (w/ face plate)                                                                               | 55H7 (50H7)             | 65H7 (60H7)              |
|                                                                              | Thru Diameter                                                                                               | 40                      | 45                       |
| Table T-slot width w/ face plate                                             |                                                                                                             | 12H8                    | 12H8                     |
| Guide block width                                                            |                                                                                                             | 14h7                    | 18h7                     |
| Controller (included with table)                                             |                                                                                                             | TPC-Jr G2               | TPC-Jr G3                |
| Maximum motor speed rpm                                                      |                                                                                                             | 3,000                   |                          |
| Speed reduction ratio                                                        |                                                                                                             | 1/60                    | 1/72                     |
| Maximum table speed rpm                                                      |                                                                                                             | 50                      | 41.7                     |
| Inertia converted into motor shaft $\times 10^{-3} \text{kg}\cdot\text{m}^2$ |                                                                                                             | .19                     | .19                      |
| Clamp system                                                                 |                                                                                                             | Pneumatic               |                          |
| Clamp torque @72psi Nm (ft. lbs.)                                            |                                                                                                             | 156 (115)               | 294 (217)                |
| Indexing accuracy arc sec.                                                   |                                                                                                             | $\pm 22.5$              |                          |
| Repeatability arc sec.                                                       |                                                                                                             | $\pm 2$                 |                          |
| Net Weight kg (lbs.)                                                         |                                                                                                             | 40 (88)                 | 65 (143)                 |
| Allowable wheel torque Nm (ft. lbs.)                                         |                                                                                                             | 147 (108)               | 264 (195)                |
| Allowable work inertia $\text{kg}\cdot\text{m}^2$                            |                                                                                                             | .48                     | 1.2                      |
| Allowable work weight                                                        |  kg (lbs) [w/ tailstock] | 75 (165)<br>[150 (330)] | 100 (220)<br>[250 (550)] |
|                                                                              |  kg (lbs)                | 150 (330)               | 250 (550)                |
| Allowable load when table clamped                                            |  N (lbf)                 | 7,840 (1,756)           | 13,720 (3,073)           |
|                                                                              |  Nm (ft. lbs.)           | 156 (115)               | 294 (217)                |
|                                                                              |  Nm (ft. lbs.)           | 392 (289)               | 980 (722)                |

Specifications subject to change without notice

## Options • Accessories

| Options & Accessories | Faceplates | SC Collets | Various Chucks | Tailstocks/Support Spindles | PVC Cable Set | Steel Braided Cable Set |
|-----------------------|------------|------------|----------------|-----------------------------|---------------|-------------------------|
| RWE-160 TPC           | Yes        | Yes        | Yes            | Yes                         | Yes           | Yes                     |
| RWE-200 TPC           | Yes        | Yes        | Yes            | Yes                         | Yes           | Yes                     |

| Controller                                               |                 | TPC-Jr                                       |                |             |
|----------------------------------------------------------|-----------------|----------------------------------------------|----------------|-------------|
| Control axis                                             |                 | 1 axis                                       |                |             |
| Servo motor                                              |                 | AC servo, ABS detector                       |                |             |
| Command unit                                             |                 | 0.001°                                       |                |             |
| Dividing number                                          | Direct indexing | 1 to 999999 even indexing                    |                |             |
|                                                          | Arc indexing    | 1 to 999 even indexing                       |                |             |
| Max. command angle                                       |                 | ± 999.999°                                   |                |             |
| Command system                                           |                 | INC, ABS, Shortcut ABS, INC/ABS mixed system |                |             |
| Input system                                             |                 | Includes MDI & full RS-232 communication     |                |             |
| Program control                                          |                 | Workpiece No. (W0000 to 9999)                |                |             |
| Program capacity                                         |                 | 1000 blocks in main & sub-program together   |                |             |
| Cable supplied (Standard)                                |                 | Between rotary table & TPC-Jr (1 pc.)        |                |             |
|                                                          |                 | For motor : 5m                               |                |             |
|                                                          |                 | Power cable : 5m                             |                |             |
|                                                          |                 | Interlocking cable : 5m                      |                |             |
| Power Requirements (less than 100 ohm ground resistance) |                 | 1 Ø 200/220V±10% 50/60Hz (non-CE)            |                |             |
|                                                          |                 | 1 Ø 230V±10% 50/60Hz (CE)                    |                |             |
|                                                          |                 | Model                                        | Power capacity | Fuse Rating |
|                                                          |                 | Jr G2                                        | 1.2KVA         | 8A          |
|                                                          |                 | Jr G3                                        | 2.2KVA         | 15A         |

## RWE-160R TPC w/5C Collet Set Up

