# D-Turn Giant

## 1600 | 1800 | 2000 | 2300

*Heavy Duty Lathe for High and Long Workpieces 63x79" to 91x394"*

The D-Turn Giant lathes are available in models with **center-to-center distances** ranging from **11,000 mm to 40,000 mm** (36' to 130'), making them ideal for a wide range of large-scale applications.

| D-Turn Giant | | 1600 | 1800 |
|---|---|---|---|
| | | 60" Swing | 72" Swing |
| Center Height | mm | 800 (31.5") | 900 (35") |
| Swing over Bed | mm | Ø1600 (63") | 1800 (71") |
| Swing over Carriage | mm | Ø1230 (48") | 1430 (56") |
| Swing over Gap | mm | Ø1950x750 (77x29.5") | Ø2100x750 (83x29.5") |
| Bed Width | mm | 888 (35") | |
| Main Spindle Motor | kW | 37 (50 Hp) | |

| D-Turn Giant 1600/1800 | | | 2000 | 3000 | 4000 | 5000 | 6000 | 8000 | 9000 | 10000 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 72" | 108" | 156" | 192" | 228" | 312" | 3348" | 384" |
| Distance Between Centers | | mm | 2000 (79") | 3000 (118") | 4000 (157") | 5000 (197") | 6000 (236") | 8000 (315") | 9000 (354") | 10000 (394") |
| Spindle Bore | | mm | Ø230 (9") [Opt. Ø310 (12"), Ø360 (14"), Ø410 (16")] | | | | | | | |
| Spindle Nose | | ASA | A2-11 [Opt. A2-15, A2-20 or A2-28] | | | | | | | |
| Speeds | | rpm | 5–400 | | | | | | | |
| Tailstock Quill Diameter | | mm | Ø220 (8.6") [Opt. Ø295 (11.6")] | | | | | | | |
| Tailstock Taper | | | MT7 | | | | | | | |
| Tailstock Quill Travel | | mm | 400 (15.7") | | | | | | | |
| Feed | X | mm/rev | 0.0102–0.5735 (0.004–0.002"/rev) | | | | | | | |
| | Z | mm/rev | 0.0100–1.4145 (0.004–0.05"/rev) | | | | | | | |
| Travels | X | mm | 1000 (39") | | | | | | | |
| | $Z_1$ – overslide | mm | 350 (13.8") | | | | | | | |
| Tool Shank Dimensions | | mm | 50x50 (2x2") | | | | | | | |
| Threading | metric | mm | (35) 1–59 | | | | | | | |
| | inches | TPI | (34) 0.8–18 | | | | | | | |
| Rapid Traverse Motor | | kW | 0.37 (1 Hp) | | | | | | | |
| Item No. [1600] | | | 1610200 | 1610201 | 1610202 | 1610203 | 1610204 | 1610205 | 1610206 | 1610207 |
| Item No. [1800] | | | 1610208 | 1610209 | 1610210 | 1610211 | 1610212 | 1610213 | 1610214 | 1610215 |

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.

KAAST

# D-Turn Giant

## 1600 | 1800 | 2000 | 2300

The **heavy FC-30 cast bed** with strong ribbing minimizes vibrations for stable operation, while **case-hardened, ground guideway**s enhance durability and precision. **Hardened high-alloy steel gears and shafts** run in an oil bath for long-lasting, smooth transmission. A robust **multi-plate clutch** powers the main spindle, and **Turcite B coatings on the X and Z-Axes** reduce friction and wear for sustained accuracy.

### **STANDARD** CONFIGURATION

- 3-Axis Digital Readout (DRO)
- Longitudinal & Cross Rapid Feed
- Coolant System
- Automatic Lubrication
- Tailstock with 2 Feed Speeds
- Reduction Sleeves
- Center Sleeve
- Leveling Pads
- Tool Kit and Work Light

### **OPTIONAL** CONFIGURATION

- Faster Spindle Motor
- 3-Jaw Chuck (Various Sizes)
- 4-Jaw Chuck (Various Sizes)
- Follow or Steady Rest (Various Sizes)
- Spindle Bore Max. Ø410 mm (16”)
- Taper Attachment
- Hydraulic Copying Attachment
- Quick-Change Toolholder
- Grinding Attachment
- Rear Toolholder

| D-Turn Giant | | 2000 | 2300 |
|---|---|---|---|
| | | 72” Swing | 84” Swing |
| Center Height | mm | 1000 (39”) | 1150 (45”) |
| Swing over Bed | mm | Ø2000 (79”) | Ø2300 (91”) |
| Swing over Carriage | mm | Ø1630 (64”) | Ø1700 (67”) |
| Swing over Gap | mm | Ø2300x750 (91x30”) | – |
| Bed Width | mm | 888 (35”) | 1150 (42”) |
| Main Spindle Motor | kW | 37 (50 Hp) | 45 (60 Hp) |

| D-Turn Giant 2000 / 2300 | | | 2000 | 3000 | 4000 | 5000 | 6000 | 8000 | 9000 | 10000 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 72” | 108” | 156” | 192” | 228” | 312” | 348” | 384” |
| Distance Between Centers | | mm | 2000 (79”) | 3000 (118”) | 4000 (157”) | 5000 (197”) | 6000 (236”) | 8000 (315”) | 9000 (354”) | 10000 (394”) |
| Spindle Bore | | mm | Ø165 (6”) [Opt. Ø230 (9“), Ø310 (12“), Ø410 (16”)] | | | | | | | |
| Spindle Nose | | ASA | A2-11, A2-15, A2-20 or A2-28 | | | | | | | |
| Speeds | | rpm | (12) 4–400 | | | | | | | |
| Tailstock Quill Diameter | | mm | Ø220 (8.6”) [Opt. 295 (11.6”)] | | | | | | | |
| Tailstock Taper | | | MT7 | | | | | | | |
| Tailstock Quill Travel | | mm | 400 (15.7”) | | | | | | | |
| Feed | X | mm/rev | 0.0102–0.5735 (0.004–0.002”/rev) | | | | | | | |
| | Z | mm/rev | 0.0100–1.4145 (0.004–0.05”/rev) | | | | | | | |
| Travels | X | mm | 1000/1250 (39/49”) | | | | | | | |
| | $Z_1$ – overslide | mm | 350/400 (13.8/16”) | | | | | | | |
| Tool Shank Dimensions | | mm | 50x50 (2x2”) | | | | | | | |
| Threading | metric | mm | (35) 1–59/1–56 (0.04–2.3/0.04–2.2”) | | | | | | | |
| | inches | TPI | (34) 0.8–18/0.8–28 | | | | | | | |
| Rapid Traverse Motor | | kW | 0.37 (1 Hp) | | | | | | | |
| Item No. [2000] | | | 1610216 | 1610217 | 1610218 | 1610219 | 1610220 | 1610221 | 1610222 | 1610223 |
| Item No. [2300] | | | 1610224 | 1610225 | 1610226 | 1610227 | 1610228 | 1610229 | 1610230 | 1610231 |

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.