

KAAST Heavy duty lathe D-Turn Giant

For workpieces with extremely high weight and very long length. 63 x 79" to 91 x 394"



Models with center-to-center distances from 11000 to 40000 mm (36' to 130') are available! Please contact us for information.



- Heavy FC-30 cast machine bed with strong ribbing helps to minimize vibrations
- Case hardened and ground machine bed guideways
- Transmission gears and shafts made of hardened and ground high alloy steel running in oil bath
- Robust multi-plate clutch for driving main spindle
- X and Z-axis coated with Turcite B

Standard configuration

- 3-axis digital readout
- Longitudinal & cross rapid feed
- Work light
- Coolant system
- Automatic lubrication
- Tailstock with 2 feed speeds
- Reduction sleeves
- Center
- Leveling pads
- Tool kit
- Operation manual

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
- Tailstock with 2 feed speeds

Specifications		D-Turn Giant 1600	D-Turn Giant 1800
		5' swing	6' 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")
Width of bed	mm	888 (35")	
Main spindle motor	kW	37 (50 Hp)	

Specifications		D-Turn Giant 2000	D-Turn Giant 2300
		6' swing	7' 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")	-
Width of bed	mm	888 (35")	
Main spindle motor	kW	37 (50 Hp)	45 (60 Hp)

Specifications		D-Turn Giant 1600 • D-Turn Giant 1800							
		2000	3000	4000	5000	6000	8000	9000	10000
		6'	9'	13'	16'	19'	26'	29'	32'
Distance between centers	mm	2000 (79")	3000 (118")	4000 (157")	5000 (197")	6000 (236")	8000 (315")	9000 (354")	10000 (394")
Spindle bore	mm	Ø230 [opt. Ø310, Ø360, Ø410] (90" [opt. 12, 14, 16"])							
Spindle taper		A2-11, A2-15, A2-20 or A2-28							
Speeds	rpm	5-400							
Tailstock quill diameter	mm	Ø220 [opt. Ø295] (8.6" [opt. 11.6"])							
Tailstock taper		MT 7							
Tailstock quill travel	mm	400 (15.7")							
Axis feed	X	0.0102-0.5735 (0.004-0.002"/rev)							
	Z	0.0100-1.4145 (0.004-0.05"/rev)							
Axis travel	X	1000 (39")							
	Z ₁ - overslide	350 (13.8")							
Tool shank dimensions	mm	50x50 (2x2")							
Threading	metric	(35) 1-59 (0.04-2.3")							
	inches	(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

Specifications		D-Turn Giant 2000 • D-Turn Giant 2300							
		2000	3000	4000	5000	6000	8000	9000	10000
		6'	9'	13'	16'	19'	26'	29'	32'
Distance between centers	mm	2000 (79")	3000 (118")	4000 (157")	5000 (197")	6000 (236")	8000 (315")	9000 (354")	10000 (394")
Spindle bore	mm	Ø165 [opt. Ø230, Ø310, Ø410] (6" [opt.9, 12, 16"])							
Spindle taper		A2-11, A2-15, A2-20 or A2-28							
Speeds	rpm	(12) 4-400							
Tailstock quill diameter	mm	Ø220 [opt. 295] (8.6" [opt. 11.6"])							
Tailstock taper		MT 7							
Tailstock quill travel	mm	400 (15.7")							
Axis feed	X	0.0102-0.5735 (0.004-0.002"/rev)							
	Z	0.0100-1.4145 (0.004-0.05"/rev)							
Axis travel	X	1000/1250 (39/49")							
	Z ₁ - overslide	350/400 (13.8/16")							
Tool shank dimensions	mm	50x50 (2x2")							
Threading	metric	(35) 1-59/1-56 (0.04-2.3/0.04-2.2")							
	inches	(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.

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