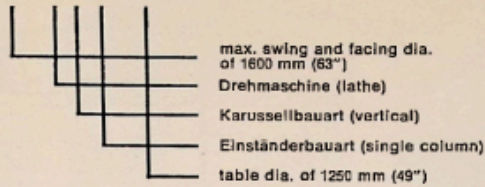


## Explanation of Type Designation for 16 DKE 125, given as an example:

### Type 16 DKE 125



## Controls:

Machines equipped with automatic control systems have a suffix to the type designation, as follows:

- DKE standard-type machine with centralized manual control
- DKE A with trip-dog operated control
- DKE NC with numerical straight line control, data input by means of plugboard or tape
- DKE NC/C with numerical contouring control, data input by means of tape

## 7. Technical Data

	Type		14 DKE	16 DKE	20 DKE
Workpiece	Max. swing and facing dia.	mm (in.)	1400 (55)	1600 (63)	2000 (78)
	Max. external turning dia.	mm (in.)	1150 (45)	1400 (55)	1800 (71)
	Max. turning height *)	mm (in.)	1150 (45)	1150 (45)	1250 (49)
Table and Main Drive	Table diameter	mm (in.)	1000 (39)	1250 (49)	1600 (63)
	or	mm (in.)	1150 (45)	1400 (55)	1800 (71)
	or	mm (in.)	1250 (49)	1600 (63)	2000 (78)
	or	mm (in.)	1400 (55)		
	Max. table dia. when fitted with side head	mm (in.)	1150 (45)	1400 (55)	1800 (71)
	18 table speeds ( $\phi = 1.25$ ; ratio 1 : 50)	r.p.m.	6.3—315	5—250	4—200
	Characteristic table speed	r.p.m.	25	25	20
	Total cutting force	kp (lbs.)	5200 (11,440)	5200 (11,440)	5200 (11,440)
	Max. torque	kpm (ft. lbs.)	2100 (15,190)	2350 (17,000)	2600 (18,800)
	Max. cutting force and torque on dia. of Main drive	mm (in.)	800 (31)	900 (35)	1000 (39)
Cross Rail and Heads		kW (HP)	55 (75)	55 (75)	55 (75)
	Max. table load	tons	8	10	12
	Cross rail traverse rate	mm/min (in/min)		450 (17 <sup>3</sup> / <sub>4</sub> )	
	Rail head swivel*)			$\pm 45^\circ$	
	Min. bore dia. the turret can enter	mm (in.)		580 (23)	
	Max. cross section of tool shank clamped	mm (in.)		40 x 40 (1 <sup>1</sup> / <sub>2</sub> x 1 <sup>1</sup> / <sub>2</sub> )	
	24 feed rates ( $\phi = 1.25$ ; ratio 2 : 200)*)	mm p.r. (in. p.r.)		0.0315—6.3 (.0012—.2480)	
	Creep feed*)	mm/min (in/min)		3.55 (.14)	
	Intermediate feed rates*)	mm/min (in/min)		31.5 and 915 (1 <sup>1</sup> / <sub>4</sub> and 12 <sup>3</sup> / <sub>8</sub> )	
	Rapid traverse rate*)	mm/min (in/min)		2000 (78)	

We reserve the right to change design and specification without prior notice. Only those data specified in our quotations are binding.

\*) for DKE NC/C on request.

Note: British measures are approximations only.

Catalogues available on request for vertical turret lathes with table dia. of 800 mm (31<sup>1</sup>/<sub>2</sub>") as well as for larger single and double column vertical boring mills.