



DMTGF SERIES PROGRAMMABLE TILTING TABLE WITH TRUNION FIXTURE



UDNC-M1 Controller

Model 5522



Heavy duty dual disc brake system

The DMTGF models utilize the DMNC rotary table bodies for the "drive table." These tables are fixed on a mounting plate. A "full rotary" end support is mounted on the other end of the mounting plate. Both the rotary drive and end support sides are **ground together** at the factory to assure that the center height, parallelism, flatness, etc. are maintained. The end support is provided with **dual thrust bearings**, and a large spindle with the same thru hole as the rotary drive unit. A rectangular block fixture is bolted, and located with fixture keys, to both the rotary and end support. This block is easily removed however, so that a type of "Quick Change Block effect" can be realized. The trunion block is provided with tapped holes for fixturing purposes.

Inch/(mm)

MODEL / DMTGF	4417	5522	6628
BLOCK SIZE (Square x Length)	15.75 x 3.94 (400 x 100)	19.69 x 5.12 (500 x 130)	23.62 x 5.91 (600 x 150)
SPINDLE TORQUE ft.lbs (Kg.m)	165 (23)	195 (27)	780 (108)
MAX RPM	55	45	22
SPINDLE BRAKE TORQUE ft.lbs (Kg.m)			
Pneumatic	220 (30)	360 (50)	650 (90)
Hydraulic	434 (60)	704 (98)	1030 (142)
RESOLUTION (Degrees)	0.000625"	0.0005"	0.00025"
MAX LOAD CAPACITY Vertical lbs. (Kg)	90 (41)	135 (61)	200 (91)
TILTING ANGLE ACCURACY	+/- 45 seconds		
REPEATABILITY	10 seconds		
MOTOR TYPE	Digital AC Servo		
THRU HOLE DIA.	1.77 (45)	2.50 (63.5)	3.54 (90)
POWER SUPPLY	105 ~ 240 VAC, 20 Amp, Single Phase		
SPINDLE RUNOUT	0.00006" (0.02mm)		
CONTROLLER	UDNC-M1		
NET WEIGHT lbs (Kg)	341 (155)	519 (236)	858 (390)

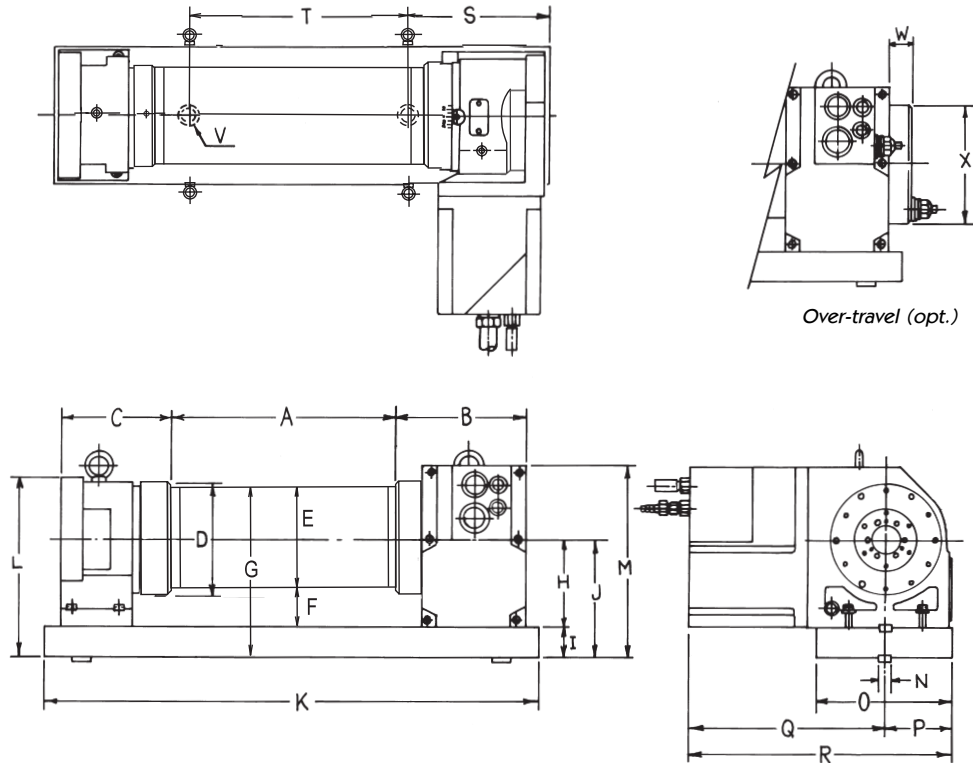
**CAN BE SUPPLIED AS FULL
FOURTH AXIS.**

**HYDRAULIC SPINDLE BRAKES
OPTIONAL.**

EACH UNIT SUPPLIED WITH:

- ▶ UDNC-M1 (DMTGF)
- ▶ DMTGF unit complete with rotary drive unit, end support and mounting plate complete
- ▶ Power cable (105 ~ 240 VAC, 20 amp, single phase)
- ▶ Remote cable for M-Code interface to CNC
- ▶ Operators manual, test report, warranty card and locating keys

OVERALL DIMENSIONAL SPECIFICATIONS



One of the main concerns to this type of fixture, is rigidity. The DMTGF series, provides a large **dual disc braking mechanism on both the ROTARY DRIVE UNIT, AND THE END SUPPORT**. This unique design supplies maximum braking power over the entire machining area of the fixture block, providing the rigidity required to machine even the toughest of materials.

The unit's "one-piece" design makes mounting and removal to the machine table very easy. Locating keyways are machined on the underside of the mounting plate, making this operation very simple.

Inch/(mm)

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
4417	15.75 (400)	7.09 (180)	6.10 (155)	6.69 (170)	3.94 (100)	3.15 (80)	8.86 (225)	5.12 (130)	1.77 (45)	6.89 (175)	30.51 (775)	10.83 (275)	11.02 (280)
5522	19.69 (500)	8.07 (205)	7.28 (185)	8.66 (220)	5.12 (130)	3.74 (95)	10.63 (270)	6.30 (160)	1.77 (45)	8.07 (205)	35.43 (900)	12.72 (323)	12.80 (325)
6628	23.62 (600)	9.06 (230)	7.87 (200)	11.02 (280)	5.91 (150)	4.53 (115)	12.20 (310)	7.48 (190)	1.77 (45)	9.25 (235)	40.94 (1040)	15.08 (383)	15.16 (385)

Inch/(mm)

MODEL	N	O	P	Q	R	S	T	V	W	X
4417	0.71 (18)	9.06 (230)	4.53 (115)	11.61 (295)	16.14 (410)	8.86 (225)	12.80 (325)	M-16	1.18 (30)	7.20 (183)
5522	0.71 (18)	11.81 (300)	5.91 (150)	12.60 (320)	18.50 (470)	9.06 (230)	17.32 (440)	M-16	1.18 (30)	8.43 (214)
6628	0.71 (18)	13.39 (340)	6.69 (170)	14.57 (370)	21.26 (540)	10.43 (265)	20.08 (510)	M-16	1.18 (30)	10.79 (274)

END SUPPORTS MAY BE PURCHASED SEPARATELY.	
PART#	MODEL (Size)
SU-06170	(For 4417 model)
SU-08170	(For 5522 model)
SU-10170	(For 6628 model)

Optional accessories are the same as for DMNC. Note: DMTGF models can be supplied with fourth axis drives on request.