



ARUN

AN ISO 9001 : 2015 CERTIFIED COMPANY



TFO PAPER TUBE ATE 70F-80F-90F
TFO TWISTER - FILAMENT YARN
FLANGED BOBBIN AND PAPER TUBE

TECHNICAL SPECIFICATION

STRUCTURAL DATA

FRAME	DOUBLE DECK ON BOTH SIDES		
SPINDLE POT	70 mm / 80 mm / 90 mm DIA		
SPINDLE PITCH	180 mm (155 mm Paper Tube)	210 mm (175 mm Paper Tube)	
NO. OF SPINDLES / SECTION	28 Nos (155 mm Paper Tube)	24 Nos (175 mm Paper Tube)	

MECHANICAL DATA

WORKING SPEED	UP TO 15000 (MECHANICAL)
TWIST RANGE	300 to 4000 TPM
MAX. YARN SPEED	UP TO 50 m / min
DIRECTION OF TWIST	'S' OR 'Z' CHANGEABLE
SPINDLE DRIVE	TANGENTIAL DRIVE

SUPPLY

	70 mm POT	80 mm POT	90 mm POT
FEED PACKAGE TUBE	ALUMINUM COPS	ALUMINUM COPS	ALUMINUM COPS
FEED PACKAGE TUBE	32 ID x 36 OD mm x UP TO 270 mm LENGTH	32 ID x 36 OD mm x UP TO 290 mm LENGTH	32 ID x 36 OD mm x UP TO 320 mm LENGTH
PACKAGE WEIGHT	UP TO 850 gm	UP TO 1000 gm	UP TO 1200 gm
TENSION DEVICE	EASY SETTING BALL TYPE TENSION DEVICE		

TAKE - UP

TAKE-UP PACKAGE (PAPER TUBE)	47 / 57 ID x 65 mm OD x 175 mm LENGTH / Customise
TAKE-UP PACKAGE (ALUMINIUM ROLL)	85 ID, 145 mm FLANGE, 160 mm LENGTH / Customise
TAKE-UP DEVICE	HEAVY & STURDY BALL TYPE CRADLE
TAKE-UP TENSION	ADJUSTABLE BY OVER FEED (WITH CERAMIC GUIDE)
TAKE-UP PACKAGE WEIGHT	UP TO 2 kg

TRAVERSE

TRAVERSE LENGTH	160 mm max (ADJUSTABLE) / Customise
TRAVERSE SYSTEM	PARALLEL / BICONICAL (CENTRALISED)
TRAVERSE MECHANISM	GEAR BOX IN OIL BATH

OPERATING SYSTEM

PANEL	SLOW START BY STAR - DELTA
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FOR 155mm PAPER TUBE / PLASTIC TUBE / S.S.TUBE / ALUMINIUM TUBE SIZE

NO. OF SPINDLES	NO. OF SECTIONS	MACHINE DIMENSIONS			MOTOR			
		LENGTH (ft)	WIDTH (ft)	HEIGHT (ft)	70 POT (hp)	80 POT (hp)	90 POT (hp)	NOS
308	11	56'	2' 6"	6' 2"	5	5	5	2
336	12	60' 6"	2' 6"	6' 2"	5	5	5	2
364	13	65'	2' 6"	6' 2"	5	5	7.5	2
392	14	69' 6"	2' 6"	6' 2"	5	5	7.5	2
420	15	74'	2' 6"	6' 2"	7.5	7.5	10	2
448	16	78' 6"	2' 6"	6' 2"	7.5	7.5	10	2

FOR 175mm PAPER TUBE / PLASTIC TUBE / S.S.TUBE / ALUMINIUM TUBE SIZE

NO. OF SPINDLES	NO. OF SECTIONS	MACHINE DIMENSIONS			MOTOR			
		LENGTH (ft)	WIDTH (ft)	HEIGHT (ft)	70 POT (hp)	80 POT (hp)	90 POT (hp)	NOS
264	11	56'	2' 6"	6' 2"	5	5	5	2
288	12	60' 6"	2' 6"	6' 2"	5	5	5	2
312	13	65'	2' 6"	6' 2"	5	5	7.5	2
336	14	69' 6"	2' 6"	6' 2"	5	5	7.5	2
360	15	74'	2' 6"	6' 2"	5	7.5	10	2
384	16	78' 6"	2' 6"	6' 2"	5	7.5	10	2

Motor capacity depends on spindle speed, yarn count and twist range.



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*Technical specifications are subject to change without specific prior notice due to continuous development