

The electro-pneumatic drill-tap unit F.MUP10.60 is available with a 75 mm (2.95") total stroke, i.e. 60 mm (2.36") quill + 15 mm (.590") compensation stroke.

The unit features a double polarity selfbraking motor (2/4P) a precision ER20 axially compensated (15 mm - .590") collet spindle, and an auxiliary micro-switch.

The drill-tap integrated cutting tool will, through the appropriate control circuit, perform a complete cycle ending with the tool withdrawal from the work-piece.

This model features a built-in, in line hydrocheck unit with check valve by-pass facility for fast approach to slow feed mode.

Drilling and tapping is performed in one cycle. The motor /spindle drive is via toothed belt.

Speed change is easily achieved by removing the rear cover to replace the motor pulley.

It is essential to order the basic unit complete with the following necessary components.

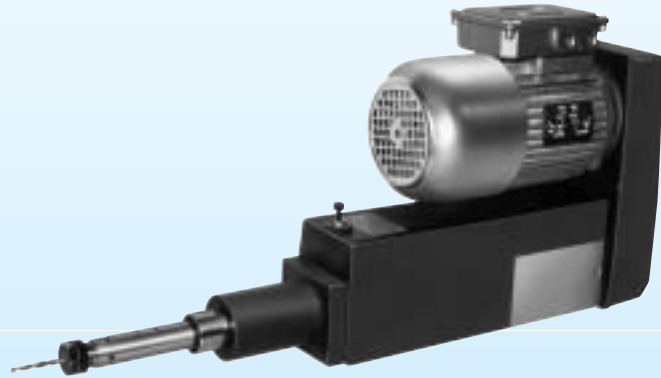
Tool holding options:

ER20 COMPENSATED COLLET HOLDER
= AT20

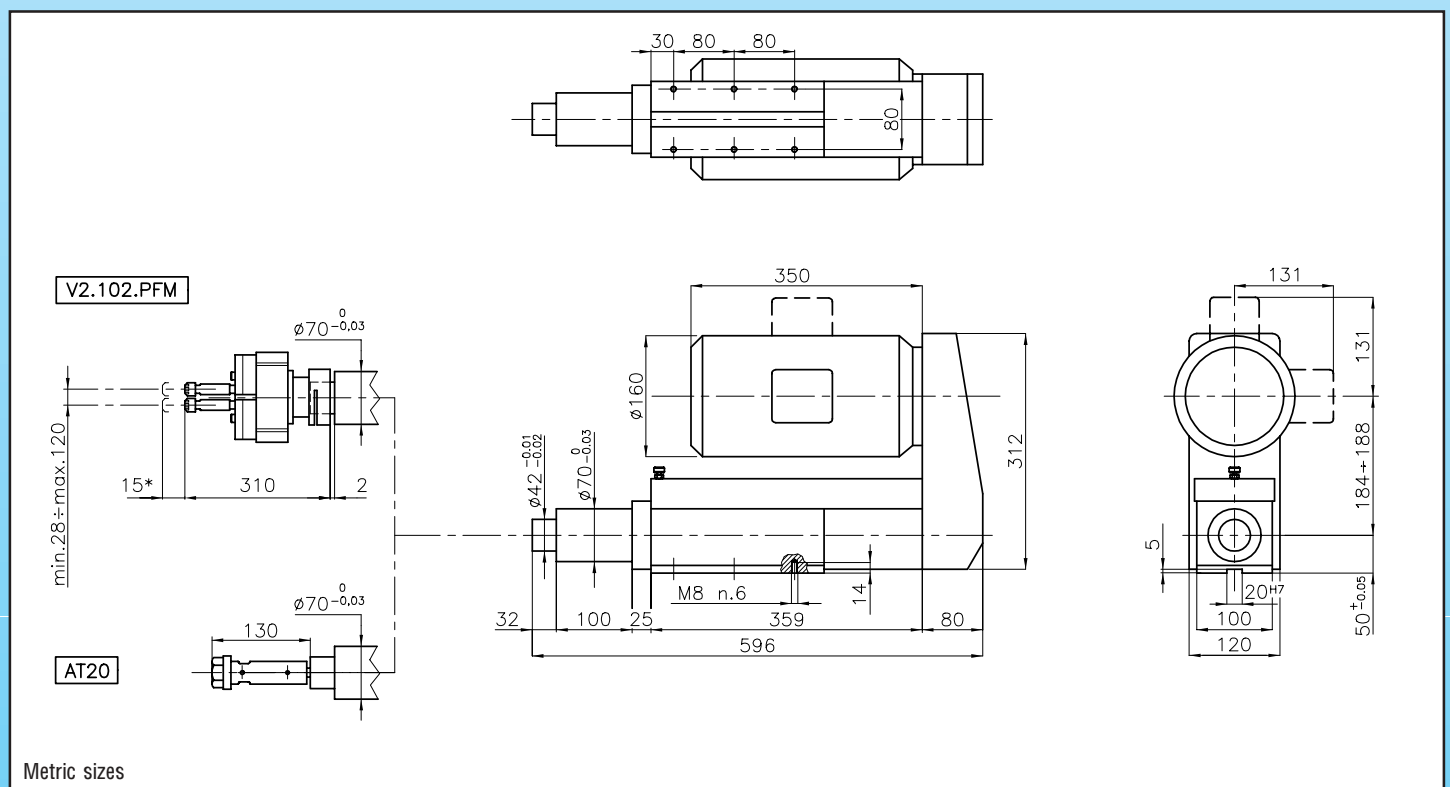
ER16 COMPENSATED TWIN SPINDLE HEAD
= V2.102.PFM

- Spindle speeds lower than 650 RPM are obtainable by fitting reduction gear R. 10 between motor and pulley case .


- Please note the range of our standard accessories on next page.





	TECHNICAL DATA									
	TOTAL STROKE mm (inch)	DRILLING- TAPPING CAPACITY mm (inch)		THRUST N (lbs)		WEIGHT - Kgs (lbs)	STANDARD COLOR - RAL	PNEUM./HYDR. PORTS BSP-NPT	ELECTRIC PORTS PG (NPT)	SPINDLE RUNOUT mm (inch) - T.I.R.
F.MUP10.60	75(60+15) (2.95")	M12-Ø10 (1/2")	M14-Ø12 (9/16")	1500 (337)	PNEUMATIC 6 bar (87 P.S.I.) HYDRAULIC 25 bar (362 P.S.I.)	33 (73)	7035	1/4"	9 (1/2")	0.02 (.0008")



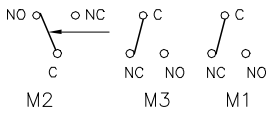
BASIC UNIT		SPEED	
MODEL	CODE	50Hz	60Hz
F.MUP10.60.B	10110004	● 1000 2000	1200 2400
F.MUP10.60.C	10110006	● 1400 2800	1680 3360
EMUPR10.60.A	10110002	● 330 660	400 800

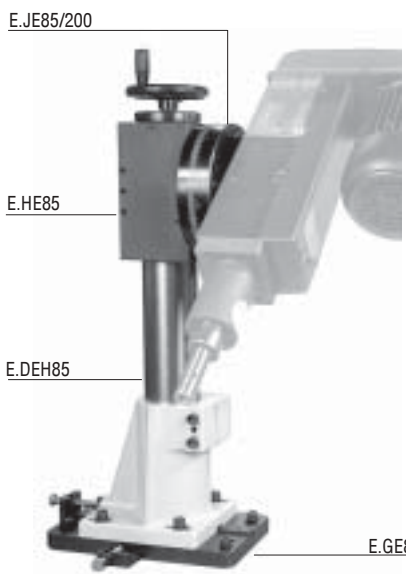
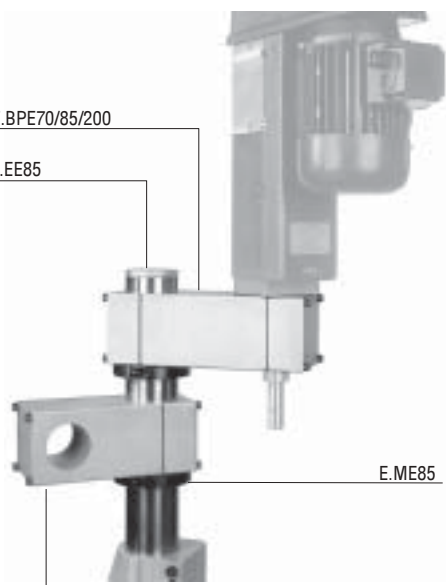
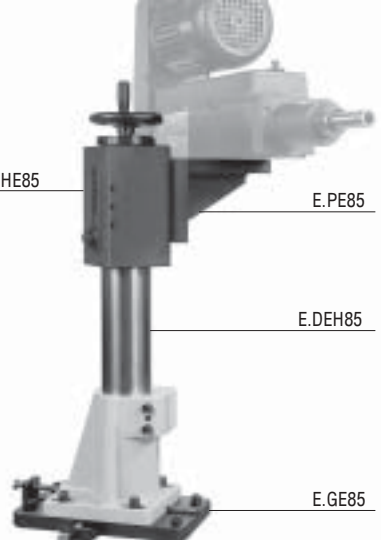
ACCESSORIES	
MOTOR WITH INEGATED INVERTED	TYPE
	Please consult engineering office

MOTOR FEATURES	
	KW 1.1 / 0.80 - 2/4 P 80 FRAME (SELFBRAKING) ●

ACCESSORIES	
REAR MOUNTED MOTOR	TYPE
	D Please consult engineering office
MULTI SPINDLE HEADS	TYPE
	V Page118 code 44560111 collet Page131 E.ZER16

NECESSARY COMPONENTS	
TOOL HOLDERS	TYPE
	AT20 code 28010040
	collet E.ZERQ20 please consult engineering office

DRILL-TAP WORKING CYCLE		
	1) START	Quill advances and spindle rotates at high drilling speed
	2) M3 ACTUATED	Spindle speed change from high to low (tapping)
	3) M1 ACTUATED	Rotation is reversed and speed changed to high till resting position
	4) M2 ACTUATED	Spindle is stopped and system re-set for next start at high drilling speed

STANDARD MOUNTING COMPONENTS		
FOR DIMENSIONAL FEATURES OF ALL MOUNTING COMPONENTS, PLEASE SEE FROM PAGES 142		
 <p>E.JE85/200</p> <p>E.HE85</p> <p>E.DEH85</p> <p>E.GE85</p>	 <p>E.BPE70/85/200</p> <p>E.EE85</p> <p>E.ME85</p> <p>E.BIE70/85/200</p>	 <p>E.PE85</p> <p>E.HE85</p> <p>E.DEH85</p> <p>E.GE85</p>