

STARTRITE[®]

EF1 TYPE FGR-T

Radial drill with articulated arm





1035mm
(40 3/4")

610mm
(24")

www.altsawsandspares.co.uk

All round facility

Accessibility and rigidity are important when drilling large, heavy or awkward work pieces. This superb, robust machine can drill or tap with great precision almost anywhere within a circle 1400mm (55") across.

The head rotates smoothly and easily to give full utilisation of the table work area and off-table arc. The head stock can be moved 360° around the column, with the spindle operating between a 280mm (11") radius and a 700mm (27½") radius.



Versatility plus accen



Accuracy gives efficiency

Here's a machine that is especially suited for large job applications where big hole drilling to close tolerances is required. You can drill holes up to 32mm (1¼") in diameter in mild steel and up to 170mm (6¾") deep.

Furthermore, you can select any one of 12 gear driven spindle speeds quickly and easily using the up-front dial selector. Built-in, gear driven power feed, automatic reverse for tapping and massive construction combine to make this precision machine unmatched in value.

Using an exceptionally large cast yoke trunnion

combined with a system of ball thrust and taper roller bearings, the articulated head has a smooth easy movement with sensitive finger tip control. Of extra high strength, the large diameter main column elevates through table and base precision mountings.

A pneumatic system, controlled by electromagnetic valves, rigidly locks column and head in any desired position. The column locks or unlocks automatically by means of a safety interlock system when the raising and lowering control is actuated.

Rugged gears Rugged frame



This cam operated, massive gear train provides wide range speed reduction for greater torque at the spindle. Power feed, with feed rates of 0.1mm (.004"), 0.15mm (.006") and 0.25mm (.010") per revolution, is engaged through cross movement by either of the two feed levers. Safety slip clutch provides protection against overloading.



The heavy cast cabinet base is designed with knee space allowing the operator to assume a sitting or standing position. A full coolant installation is built into the machine and electrical details include a 24 volts wiring circuit, T.O.N.V.R. protection, low volt lighting and automatic reversing device for tapping.

So easy to control



Spindle Feed can be operated by hand or power, three power feed rates are easily selected by dial rotation. Spindle rotation and coolant controls are conveniently located at the front of the table for fast operation.

Technical Specification

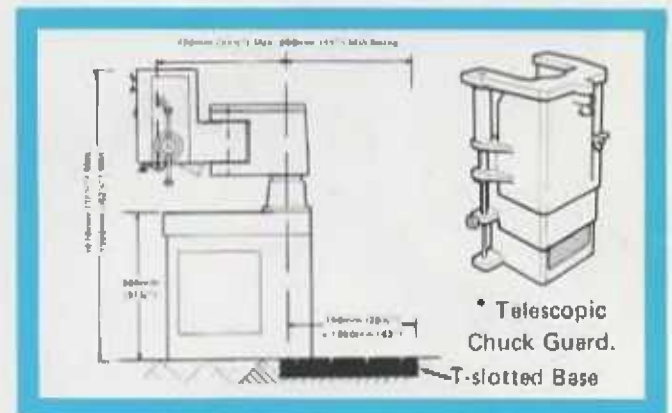
Model FGR/T Power Feed-Power Elevation to Head-Pneumatic Locking and Auto Reverse Device for Tapping.

Max. Radius Column to Centre Spindle	700 mm (27½")
Min. Radius Column to Centre Spindle	280 mm (11")
Drilling Capacity	.38 mm (1½") Iron 32 mm (1¼") Steel
Feed to each Speed (per rev.)	0.1 mm (.004") 0.15 mm (.006") 0.25 mm (.010")
Spindle M.T.	No. 3
Spindle Speeds (12)	80 to 2,800 R.P.M.
Size of Table	870 mm (34½") x 580 mm (23")
No. of 14mm (9/16") T-slots	4
Spindle Travel	170 mm (6¾")
Column Power Elevation	380 mm (15")
Dist. Spindle to Table (Max)	610 mm (24")
Dist. Spindle to Base (Max)	1035 mm (40¾")
Net Weight (Approx.)	658 kilo (1,450 lbs.)

Optional Equipment

T-slotted Base Plate for fitting at rear of machine.

Description and specifications do not form part of a contract and are subject to change without notice.



Standard Equipment

Pneumatic Locking to Radial and Elevating Movements, Power Elevation of Head, Full Coolant Installation, Low Volt Lighting, 24 Volt Wiring Circuit with T.O.N.V.R. Protection.

STARTRITE®

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