

Column Assembly

- Double column type structure with Dia 225 MM and INSIDE RIBS for more rigidity and smooth movement

Arm Assembly

- Arm and Column are rigidly built with reinforcement ribs to reduce distortion, to give high capacity and long lasting accuracy.

Gears

- All gears in gearbox are made up of NiCr Steel with hardness of 50-55 HRC With thickness of 15 mm

Shafts of Gears

- All shafts made of NiCr alloy steel with hardness 55 HRC
All Four splines and six splines of shafts are GROUND on Spline Grinding Machine.



Lifting Nut

- 4" long Lifting screw nut made up of bronze metal

Spindle

- Spindle, RAM(Quill) and Pinion are made up of NiCr steel with final hardness of 55 HRC

Autofeed system :

- 6 autofeed having near geometric Progression for all processes to be done like drilling, reaming, boring etc.
- Overload Safety clutch system for tool protection and machine protection
- Spindle auto-stop with travel adjustment.
- Spindle Lock System for milling Operation.

RAM(Quill) CYLINDER LINER

- Head stock is provided with high grade cast iron cylinder liner like in automobile engines for easy sliding movement of RAM(Quill) and very long life. Also it ensures interchangeability when replacing after wear out.

BASE

- More wider base for better working area
- In-built Coolant tank of 50 liters
- Rigid Box type construction

42 mm cap. Double Column All Geared Auto Feed Radial Drill Machine

AMT-RADIAL

Specifications

	DESCRIPTION	DCR-42
Capacity	Drilling in M.S.	42 (1 5/8")
	Drilling in C.I.	50
	Rough Boring in M.S.	60
	Tapping in M.S.	25
Drilling Head	Spindle Taper	MT-4
	Spindle Travel	225
	Spindle Speeds (RPM X steps)	12 Steps 60, 90, 115, 165, 200, 290, 340, 480, 575, 825, 1005, 1510
	Diameter of RAM (quill)	80
	Spindle Autofeed Ranges (mm/rev.)	6 Steps 0.1, 0.15, 0.20, 0.27, 0.33, 0.52

Standard Accessories :

- 2 HP & 1 HP Electric Motors • Electrical Panel Board
- Coolant Pump & Spout Assembly

	DESCRIPTION	DCR-42
Working Range	Max/Min Dist. Spindle nose to base	1155/400
	Vertical Travel of Arm	755
	Max/Min Dist. Spindle center to column	1025 / 275
	Horizontal Travel of Arm	750
	Max. Drilling Radius	1137
	Machine Measurement (L X B X H)	1600 X 850 X 2190
	Diameter of Column	225
	Work Table	550 X 450 X 400
	Coolant Tank	770 X 430 X 145 50 Liters
	Power	Drill-head Motor
Lifting Motor (L X B xH)		1 HP (0.75 KW) 960 RPM

Extra Accessories

- Drill Chuck & Arbor • Keyless Drill Chuck & Arbor • Work Table
- Tapping Attachment (Mechanical) • Drill Vice