



GEARED HEAD PEDESTAL DRILLING MACHINES

**AJ 25/30/32/35HD/
40HD/50/60HD/70HD**



Machine Tool Exporters to the World since 1940

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**AJ 25/30/32/35HD/
40HD/50/60HD/70HD**

The Ajax range of pedestal drilling machines has earned a reputation for durability and reliability over many years of service in workshops across the UK and beyond. The NEW Mk4 Range is even better than before, more features, stronger and easier to use.

Engineered for continuous, daily use, these machines are designed to perform day in, day out—for the next 25 years—without the need for repairs. Whether you're in education, light manufacturing, or general engineering, you can count on Ajax for lasting performance.

Engineered for Continuous Production

Manufactured in a semi-automated facility equipped with a multi-pallet Fastems system, these machines are built for 24/7 production, delivering consistent quality and efficiency around the clock.



**AJ 35 HD
Mk4**



**AJ 40 HD
Mk4**



AJ 40 Mk4



AJ 50 Mk4



**AJ 60 HD
Mk4**



**AJ 70 HD
Mk4**

CAPACITY	AJ-25	AJ-30	AJ-32 Mk4	AJ-35 HD Mk4	AJ-40 Mk4	AJ-50 Mk4	AJ-60 HD Mk4	AJ-70 HD Mk4
Drilling capacity in mild steel (mm)	25	30	32	35	40	50	60	70
Spindle taper (morse taper)	3	3	3	4	4	4	5	5
Distance from spindle to column (mm)	250	250	250	300	300	350	420	420
Distance from spindle to table min/max (mm)	170 - 660	170 - 660	85 - 635	90 - 890	70 - 885	95 - 865	25 - 825	25 - 825
Distance from spindle to base max (mm)	1,216	1,216	1,170	1,250	1,230	1,230	1270	1270

TABLE								
Rotation of table to head	N/A	360 Deg (opt)	360 Deg (opt)	360 Deg (opt)	360 Deg (opt)	360 Deg (opt)	360 Deg	360 Deg
Tilting of table	N/A	N/A	180 Deg (opt)	180 Deg (opt)	180 Deg (Opt)	180 Deg (opt)	180 Deg	180 Deg
Table Size (mm)	270 x 300	270 x 300	270 x 300	400 x 420	400 x 420	480 x 480	600 x 600	600 x 600

FEEDS AND SPINDLE								
Maximum spindle traverse (hand/power)(mm)	120	120	120	150	180	180	260	260
Number of spindle speeds	8	8	8	8	9	9	12	12
Range of spindle speeds (Rpm)	65 - 3060	65 - 3060	65 - 3060	132 - 1852	132 - 1852	132 - 1852	64 - 1210	51 - 966
Power feed rates (mm/rev)	Manual (power opt)	Manual (power opt)	0.1 - 0.2 - 0.3	0.1 - 0.2 - 0.3	0.10 - 0.18 - 0.24	0.1 - 0.18 - 0.24	0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6	0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6

BASE / COLUMN								
Base size overall (mm)	600 x 380	600 x 380	600 x 380	655 x 400	655 x 400		1060 x 600	730 x 1190
Column diameter (mm)	100	100	100	125	125	150	220	220
Speeds and Motors								
Main motor power	1.2 kW	1.4 kW	1.8 / 2.6 kW	1.5Kw	2.2 Kw	3 Kw	4 kW	7.5Hp (5.5kW)
Coolant pump motor	opt	opt	0.1 Hp (0.075 kW)	0.1 Hp (0.075 kW)	0.1 Hp (0.075 kW)	0.1 Hp (0.075 kW)	0.2 Hp (0.15 kW)	0.2 Hp (0.15 kW)

WEIGHT AND DIMENSIONS								
Overall height (mm)	2,200	2,200	2,370	2,200	2,363	2,200	2,700	2,700
Nett weight (kg)	260	260	300	400	400	490	820	840
Gross weight (kg)	320	320	400	450	450	540	920	940
Case dimensions (mm)	2,200 x 600 x 900	2,200 x 600 x 900,	2,370 x 600 x 960	2,300 x 600 x 1,00	2,300 x 600 x 1,100,	2,300 x 610 x 1160	2,700 x 700 x 1,200	2,700 x 700 x 1,200

TECHNICAL SPECIFICATIONS

AJ 25



AJ 30



AJ 32 Mk4



Built with Traditional Craftsmanship – Backed by Modern Performance

Ajax drilling machines are hand-assembled by highly trained engineers, continuing a time-honoured tradition of precision craftsmanship. This attention to detail ensures exceptional build quality and long-term reliability.

Designed with practicality in mind, the generous distance from the spindle to both the table and base allows for the easy handling of large workpieces, making these machines highly versatile for a wide range of drilling applications.

Automatic Feed System

With the exception of the AJ25 and AJ30 models, all machines in the range come standard with an automatic feed mechanism. The feed is graduated and adjustable, allowing operators to set the optimal feed rate for each job.

Automatic feed is available as an optional upgrade on the AJ25 and AJ30 models.

Precision Engineering. Proven Performance.

At Ajax, our drilling machines are designed with robust, high-performance drive systems built to withstand years of daily use.

Superior Drive Systems

Each machine features hardened, ground, and shaved gears, made from premium-grade nickel-chrome steel for exceptional strength and wear resistance. The splined and precision-ground shafts are manufactured to tight tolerances, ensuring a perfect fit and ultra-smooth operation. An inbuilt oil pump provides constant lubrication to the gearbox, enhancing reliability and longevity.

Operator-Focused Features

Automatic drill ejectors and coolant systems are fitted as standard on most models (Coolant optional on AJ25 and AJ30)

Rack and pinion column drive for effortless vertical table adjustment

User-friendly layout designed for safe, efficient operation

A Complete Range of Drilling Solutions

This is just one part of the comprehensive Ajax drilling range, which includes:

Bench & pedestal drills

Pillar drills

Multi-head drilling systems

Multi-spindle machines

Auto-cycle tapping machines



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