

Gear Head Metal Lathe

This gear head lathe is designed for precision turning, facing, threading, and drilling. It features precision ground and hardened bed ways and a spindle supported with precision roller bearings.



Overview

Precision Gear Head Metal Lathe

This precision gear head metal lathe is designed for versatile metalworking tasks including turning, facing, threading, and drilling. Featuring a robust cast iron construction, it ensures excellent stability and vibration dampening during operation. The geared headstock provides multiple spindle speeds, making it suitable for a wide range of materials and cutting conditions, while the precision ground and hardened bed ways guarantee long-term accuracy for both professional and hobbyist machinists.

Key Features

Core Capabilities

Precision Ground Bed Ways, Precision Roller Bearings, Hardened Steel Gears, Lead Screw Threading, Automatic Feed Mechanism

Performance Metrics

Main Motor Power

1.5 HP
Power

1.1 kW
Power

Spindle Speed Range

75 - 1400 r/min (Standard) / 60 - 2200 r/min (Variable)

Capacity & Dimensions

Swing Capacities

Location	Diameter
Over Bed	300mm (12")
Over Cross Slide	178mm (7")
In Gap	430mm (17")

Travel Distances

- Saddle Longitudinal Travel: 600/800mm
- Cross Slide Travel: 160mm
- Top Slide Travel: 85mm
- Quill Travel: 95mm

Technical Specs

技术参数Specification		CQ6230D 30英寸MT11NC 英制英寸 (762mm-1625mm)	CQ6230D变型 30英寸MT11NC 英制英寸 (762mm-1625mm)
床身上最大工件回转直径	Swing over bed	300mm 12"	300mm 12"
床尾上最大工件回转直径	Swing over cross slide	178mm 7"	178mm 7"
马鞍上最大工件回转直径	Swing in gap diameter	430mm 17"	430mm 17"
最大工件长度	Length of workpiece	2142mm 84'30"	814mm 30"
最大车削长度	Length of turning	560700mm 22'02"	765mm 30"
主轴穿孔直径	Spindle bore	38mm 1-1/2"	38mm 1-1/2"
主轴转速	Taper of spindle bore	MT NO. 5	MT NO. 5
主轴转速范围	Range of spindle speed(RPM)	75-1400/1min	40-4000/0.1min
尾架套筒锥孔锥度	Conif taper	MT NO. 3	MT NO. 3
尾架公制锥孔锥度(公制)	Range of metric threads to be cut(25 kinds)	0.4-7mm	0.4-7mm
尾架英制锥孔锥度(公制)	Range of inch threads to be cut(24 kinds)	4-56 T.P.I	4-56 T.P.I
进给丝杆的螺距或螺距	Pitches of three feed leadscrews	3mm 8T.P.I	3mm 8 T.P.I
主轴每转刀架纵向进给量(公制)	Longitudinal feed per revolution of spindle(2 kinds)	0.052-1.362 0.002-0.056"	0.052-1.362 0.002-0.056"
主轴每转刀架纵向进给量(英寸)	Cross feed per revolution of spindle(2 kinds)	0.014-0.338 0.0007-0.0139"	0.014-0.338 0.0007-0.0139"
刀架纵向最大行程	Max. longitudinal travel of saddle	600/800mm 23'-10 1/8"/12'	800mm 31'-10"
中拖板最大横向行程	Max. travel of cross slide	180mm 5-5/8"	180mm 5-5/8"
小拖板最大纵向行程	Max. travel of top slide	80mm 3-1/8"	80mm 3-1/8"
尾架套筒的最大移动量	Out-travel	95mm 3-3/4"	95mm 3-3/4"
电动机率	Main motor power	1.5HP(1.1kW)	1.5HP(1.1kW)
电机频率	Motor frequency	60Hz or 50Hz	60Hz or 50Hz
电压	Motor voltage	380V(3)115/230V or 110/200V	380V(3)115/230V or 110/200V
外形尺寸(长 x 宽 x 高)	Overall dimensions(L x W x H)	160 x 73 x 127cm	160 x 73 x 127cm
净重	Net weight	480kg	480kg
包装尺寸(长 x 宽 x 高)	Packing size(L x W x H)	140/168 x 73 x 142cm	158 x 75 x 142cm

Detailed technical specifications and dimension guide for the CQ6230D lathe series.

Threading Range

- Metric Threads: 0.4-7mm
- Inch Threads: 4-56 T.P.I

Spindle Specifications

- Bore Diameter: 38mm (1-1/2")
- Bore Taper: MT NO. 5

Physical Attributes

Physical Specs

- Overall Dimensions: 160 x 73 x 127cm
- Net Weight: 480kg

Electrical Configuration

380V/415V • 115V/230V • 110V/200V • 50Hz/60Hz