

Product Name :
Universal Gear Hobbing Machine

Product Code :
NLAB-MACHINELABWK20001



Description :

Universal Gear Hobbing Machine

Technical Specification :

Salient Features :

Gear Hobbing Machine model V-300 is designed for the production of precision Spur, Helical, Worm Gears, Splines, Sprockets, Ratchet Wheels & any other form that can be hobbled. Its bed & column are of close grain casting & are well ribbed with V-type guideways. The shafts & Gears are made of alloy steels. The indexing worm wheel is of high grade Bronze material. The machine is equipped with Differential Mechanism for cutting helical gears. Provision has been made to remove backlash between the indexing worm & worm gear and also between feed screw & the nut of the hob slide. Oil reservoirs are provided in the machine which ensures thorough lubrication of gears & bearings.

STANDARD EQUIPMENTS :

One Electric Motor 2 H.P. (960 RPM), One Electric motor 1 H.P. (1440 RPM), One Electric Coolant Pump, One work arbour, One Hob arbour, One set of 45 change gears, One set of spanners.

Module continuous output (Max. Pitch)

Maximum diameter of Gear with support

Minimum diameter of gear

Capacity for Spur gear

Minimum number of Teeth

Face capacity for Helical Gear

Fix angle upto 15°

Fix angle upto 30°

Fix angle upto 45°

Distance between Hob Spindle &
Surface of Table

(Minimum)

Maximum distance of Hob Spindle
to Table

(Minimum)

Height of work Table

Maximum diameter of Hob

Maximum length of Hob

Diameter of Work arbour & Hob arbour

60, 75, 90, 120, 150, 180

Maximum hob slide

(Minimum)

Drive motor

HP Motor

HP Pump

Power required with cover closed

Power required with cover opened

Weight of the machine

Weight of the Machine

The heavy duty Universal Gear Hobbing Machines Model V-1000 & Model V-1500 represent the ultimate in sound uptodate design. These are of precision construction with superior workmanship which ensures high output and fine performance. The machine can cut Spur Gears, Helical Gears, Worm Gears, Splines, Serration sprocket Wheels, Ratchet Wheels and any other form that can be hobbled. The bed and main column of the machines are of ample size. These are of box type design and are well ribbed with V-type guideways. For the consistence accuracy of the machine axially adjustable Indexing worm is provided to remove backlash. Provision has also been made to remove backlash in feed screw and nut of the Hob slide. Oil reservoirs are provided in the machine which ensures thorough lubrication of Gears & Bearings.

One main electric Motor, One rapid electric motor, One electric coolant Pump, One Work Arbour, One Hob Arbour, One set of 48 change Gears, Six segment supports (One Face Plate 54" dia. and One V-Belt Pulley 31 dia. for V-1500 only)

Maximum Continuous Output (Max. Pitch)	2100 W
Maximum Dia. of Gear with support	500 mm
Minimum Dia. of Gear that can be cut	27 mm
Maximum face Width for Spur Gear	165 mm
Face Capacity for Helical Gears Helix Angle	20°
	25°
Distance between Hob Spindle & Surface of the table	975 mm
Minimum	275 mm
Maximum distance of Hob spindle to the table	2075 mm
Minimum	275 mm
Diameter of Work Table	254 mm
Maximum Diameter of Hob	67 mm
Maximum Length of Hob	225 mm
Hob Shift	21 mm
Diameter of Work Arbour	21 mm
Diameter of Hob Arbour	125 mm
Speeds on R.P.M.	20, 35, 60, 100
Width of the Hob Slide	140 mm
Minimum	100 mm
HP Drive Motor	5 HP
HP Motor	2 HP
Work Space required with covers closed	160" x 45"
Work Space required with covers open	160" x 82"
Weight of the Machine (Approx)	520 Kgs
Height of the Machine	85"

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003