

Gear Hobbing Machine 132.01

Technical data 1.1

MIKRON

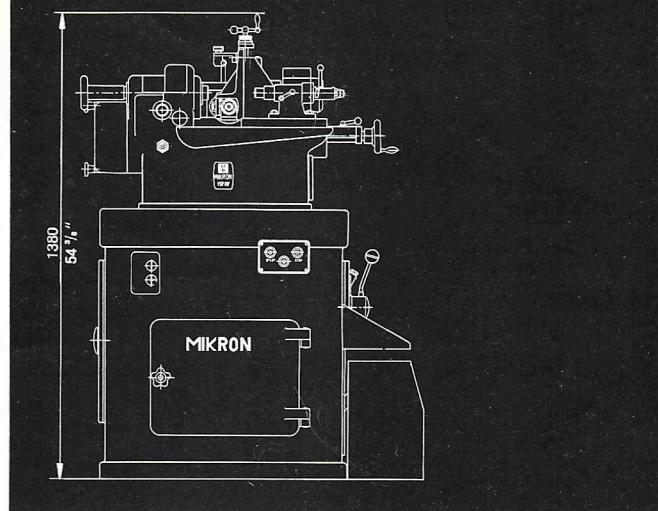
Maximum diameter which can be cut with cutter	(40 mm) 1 5/8"
Diameter	(92 mm) 3 5/8"
Maximum diameter which can be cut with cutter	(32 mm) 1 1/4"
Diameter	(100 mm) 4"
Maximum diameter which can be cut with cutter	(24 mm) 1"
Diameter	(110 mm) 4 3/8"
Maximum travel of cutter slide	(100 mm) 4"
Maximum module.	(2) 12 D.P.
Maximum length of cut (with work-arbor)	(75 mm) 3"
Maximum length of cut (with collet)	(75 mm) 3"
Maximum distance between cutter (diameter 32 mm) and axis of operating spindle	(55 mm) 2 5/32"
Maximum distance between operating spindle and tailstock spindle sleeve	(188 mm) 7 4/16"
Minimum distance for ditto	(33 mm) 1 5/16"
Nº of teeth	6 - 390
Feeds per revolution of workpiece in mm	0.12 - 0.8
Maximum tilt of cutter spindle	5°
Maximum displacement of cutter spindle forwards	(8 mm) 5/16"
Maximum displacement of cutter spindle vertical slide . . .	(71 mm) 2 13/16"
Cutter speeds	11
Geometrically graded	150 - 1500 r.p.m.
Machine motors	2
For drive	0.5 h.p., 1450 r.p.m., 50 c/s
For coolant pump	0.1 h.p., 2800 r.p.m., 50 c/s

Maximum dimensions of machine :

Length x Width x Height (840 x 850 x 1400 mm) 2'9" x 2'10" x 4'8"

Net weight of machine (425 kg) 8 $\frac{1}{2}$ cwts

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Maximum diameter which can be hobbed . . .	4"
Maximum length which can be hobbed . . .	4"
Number of teeth	6-400
Maximum pitch in steel	15 D.P.
Maximum pitch in brass and light metal . . .	12 D.P.
12 hob revolutions:	
Geometrically graded between	200-2400 r.p.m.
Feed: a) Horizontal	
b) Plunge-cutting	
Hydraulically and infinitely variable	
between 0.05 to 1 mm per workpiece	
revolution	
Drive: Main motor	1.5 HP
Coolant pump	0.1 HP
Hydraulic system	0.1 HP
Net weight	9 cwts
Gross weight	12 cwts
Crate dimensions for shipment by rail or ship	
	44" X 44" X 66" high

- 1 Knob for infinitely variable feed regulation
- 2 Deburring tool (hydraulic)
- 3 Hob
- Cutting oil supply (variable)
- Workpiece
- 6 Handle for adjusting hobbing depth
- 7 Tailstock with bayonet clamping device (if required this can be replaced by a pneumatic clamping device)
- 8 Knob for infinitely variable regulation of plunge-cut speed
- 9 Knob for restricting plunge-cut depth
- 10 Handwheel for manual adjustment of hob slide

