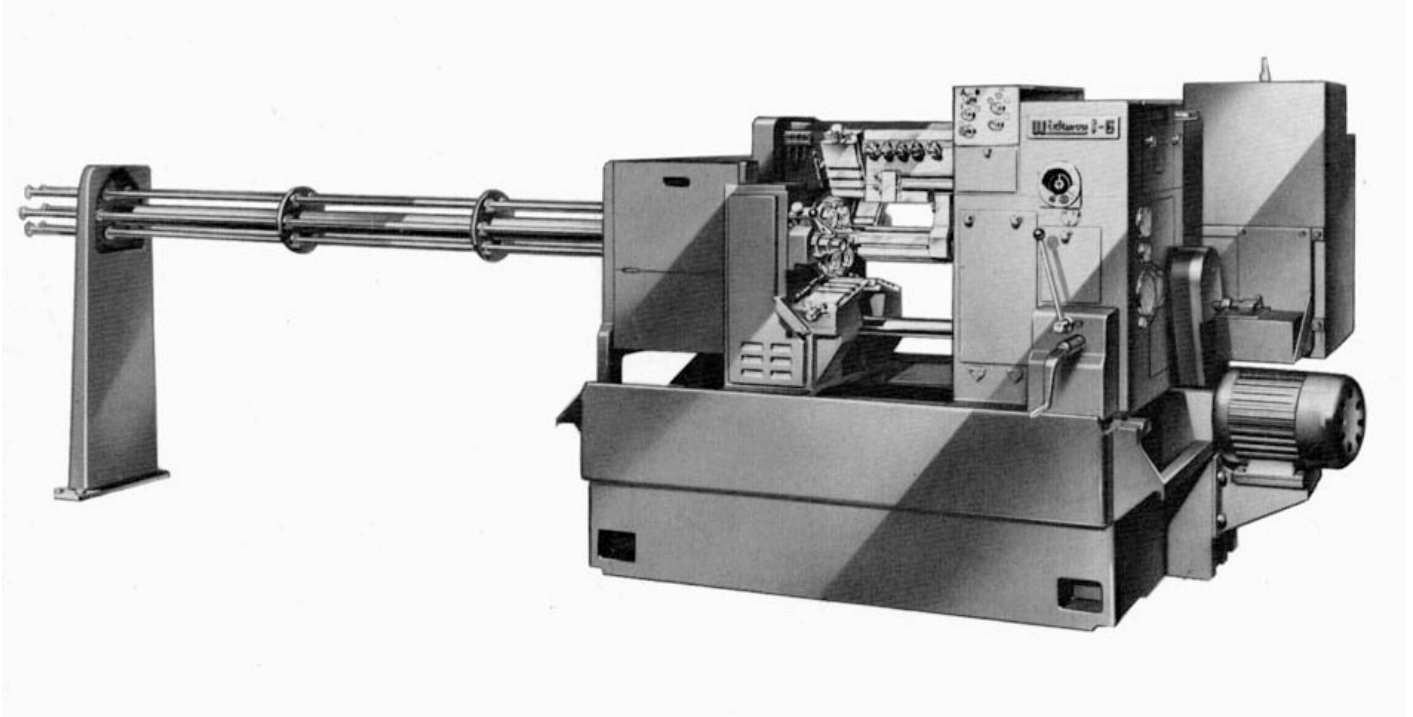


Wickman $\frac{5}{8}$ "-6 spindle bar automatic

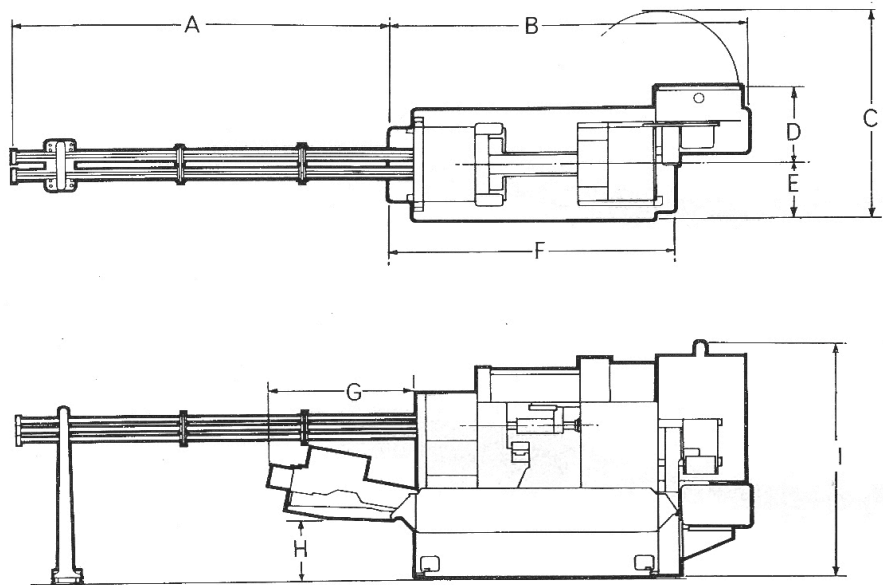


In its essential features the Wickman in six Spindle Automatic follows the highly successful design of other Six Spindle Automatics in the Wickman range, but with the higher spindle speeds and faster idle times and therefore shorter piece times which are possible with a smaller capacity machine. It offers the outstanding advantages of the Wickman principle of

stroke adjustment to all slides with additional versatility for the application of independent tooling when necessary. Accuracy, robustness and quick setting features are combined with further features for the convenient application of the fullest range of tooling and attachments to secure great versatility and the fastest possible production times.

Base plan

- A 8"10.3/8" (2702mm)
- B 12'0" (3656mm)
- C 7¹/₂" (191mm)
- D 1'4" (406mm)
- E 6'7.3/8" (2016mm)
- F 2'0¹/₂" (622mm)
- G 4'6.1/8" (1375mm)
- H 2'3.5/8" (702mm)
- I 6'7³/₄" (2026mm)
- J 5'8¹/₂" (1740mm)
- K 1'7" (483mm)
- L 4'9" (1448mm)
- M 1'10" (559mm)
- N 3'11" (1194mm)
- O 3'0" (914mm)
- P 6'3³/₄" (1924mm)



Standard equipment

Four main cross slides
 6th station cut off slide
 Main hexagon block
 Machine mounted control panel
 10 HP (7.5 kW) foot mounted motor
 6th station single bar feed with auto stop mechanism.
 Complete coolant system, splash guards and lighting.
 Tool kit and setting gauges
 Lined stock carriage
 Set of solid collets, feed fingers and steady
 Sets of standard feed and speed gears

Optional equipment

4th and 5th station independent longitudinal
 3rd station forming slide
 'Bijur' lubrication
 Motorised swarf conveyor
 Lined stock tube
 Comprehensive range of attachments and toolholders
 (listed on separate sheet in this series).
 Also special attachments built to customer requirements

Specification

Bar capacity	Round	5/8" (15.9mm)
	Hex. (A/F)	0.54" (13.7mm)
	Square (A/F)	0.44" (11.1 mm)
Bar feed stroke	Standard	0-3 ¹ / ₂ " (0-88.9 mm)
	Long bar feed	0-4" (0-100 mm)
	Double bar feed	0-3 ¹ / ₂ " (0-88.9 mm)
	Double long bar feed	N/A
Feed stroke on main tool block		0-2" (0-50.8 mm)
Feed stroke on independent slides		'A' position 0-2" (0-50.8 mm) 'B' position 1-3 ¹ / ₂ " (25.4-88.9 mm)
Approach stroke on main tool block		Zero feed stroke 1.45-2.2" (36.8-56 mm) Max feed stroke 0.3-1.25" (20.3-31.8 mm)
Approach stroke on independent slides		'A' position zero feed stroke 1.4-2.25" (35.6-57.2 mm) 'A' position zero feed stroke 0.8-1.25" (20.3-31.8 mm) 'B' position 1" feed stroke 1.53-2.4" (38.9-61mm) 'B' position 3 ¹ / ₂ " feed stroke 0.75-1.15" (19.1-29.2 mm)
Feed stroke on lower cross slides		0-1 ¹ / ₂ " (0-12.7 mm)
Feed stroke on upper cross slides		0-1 ¹ / ₂ " (0-12.7 mm)
Feed stroke on intermediate cross slides		0-0.35" (0-8.9 mm)

Motor		7.5 kW at 1450 rev/min
Spindle speed range	Standard	400-5000 rev/min in 23 steps
	Spindle stopper	355-3550 rev/min in 21 steps
Feed range at max. stroke (/rev)		
	Standard	0.0064-0.062" (0.16-1.55 mm)
	Spindle stopper	0.006-0.058" (0.15-1.44 mm)
Idle time		
	Standard	0.64 secs
	Spindle stopper	0.77 secs
	Long bar feed	0.77 secs
Range of cycle times		
	Standard	1.1-50 secs
	Spindle stopper	1.4-60 secs
Overall dimensions - without stock carriage		38 ¹ / ₂ " x 107 ³ / ₄ " (975x2737mm)
Overall dimensions - with stock carriage		38 ¹ / ₂ " x 219 ³ / ₈ " (978x5572mm)
Approximate nett weight (including electrics and stock carriage)		6725lb (3050kg)