

SPECIFICATIONS

CAPACITY

Extreme ratio
 Root angle range

ENGLISH

34"

METRIC

10:1
 0° to 90°
 863.6 mm

Examples of Maximum Gear Pitch diameters with 35°

gear spiral angle and maximum cutter diameter (+)
 at the following ratios:

1 x 1
 2 x 1
 5 x 1

+ Using 19.7" (500 mm) Diameter Cutters

28.30" 723.90 mm
 34.00" 863.60 mm
 34.00" 863.60 mm
 **15.00" **381 mm

Maximum radial setting

Full depth — maximum

Face width — maximum

Index range*

1.5" 38.1 mm
 5.000" 127 mm
 5 to 80 Inclusive

WORK SPINDLE

Diameter of taper hole at large end

Taper per foot

Depth of taper

Diameter through spindle of hole

6" 152.4 mm
 0.75" 19.0 mm
 6" 152.4 mm
 5" 127.0 mm

CUTTER DIAMETERS

9", 10.5", 12", 14", 16", 18"
 200, 250, 320, 400, and 500 mm

WORKHEAD SETTINGS

Offset above center — maximum

Offset below center — maximum

Machine center to nose of spindle — maximum

***4.5" 114.3 mm
 ***4.5" 114.3 mm
 23.5" 596.9 mm

SPEEDS AND FEEDS

Cutter speeds

Cycle time

12 to 162 RPM (Stepless)
 Infinitely variable from 7 seconds/tooth - min.

ELECTRICAL EQUIPMENT

Cutter drive motor 15 HP

Hydraulic motor 7.5 HP

Coolant motor 2 HP

D.C. generating drive motor 6 HP

60 Hz	50 Hz
1800 RPM	1500 RPM
1200 RPM	1500 RPM
1200 RPM	1000 RPM
	1200 RPM

* Most numbers up to 120 can also be accommodated, but may require special change gears. Quoted upon request.

** This radial setting can be increased to 18.5" (462.50 mm) for some applications.

*** Maximum offset applies to pinion and gears up to 25" O.D. for 34" diameter gears, maximum offset is 1.0".

MISCELLEANOUS

Floor space (inclusive of hydraulic unit, electrical panel and chip removal system)

Height

Net Weight

Shipping Weight-Boxed for Export:

Machine

Miscellaneous Parts

Size of Case:

Machine

Miscellaneous Parts

ENGLISH**Machine with Programmable Controller**

189" x 123"

88.5"

54,560 lbs.

58,700 lbs.

8,900 lbs.

174"x112"x106"

120"x91"x80"

METRIC

480 x 312 cm

225 cm

24,800 Kg.

26,682 Kg.

4,045 Kg.

442x284x269 cm

305x231x203 cm

Machine with Relay Controls

Floor space (inclusive of hydraulic unit, electrical panel and chip removal system)

Height

Net Weight

Shipping Weight-Boxed for Export:

Machine

Control Box, Parts, etc.

Size of Case:

Machine

Control Box, Parts, etc.

235" x 123"

92.5"

56,660 lbs

58,700 lbs.

11,000 lbs.

174"x112"x106"

120"x120"x90"

597 x 312 cm

235 cm

25,755 Kg.

26,682 Kg.

5,000 Kg.

442x284x269 cm

305x305x229 cm