



CAPACITIES

Max. pitch diameter, external	48"	1220 m/m
Max. pitch diameter, internal	48"	1220 m/m
Max. diametral pitch, spur	2	12.7 module
Max. diametral pitch, helical	3	8.5 module
Max. face width, external	8"	204 m/m
Max. face width, internal	8"	204 m/m
Max. helix angle with standard guides	45°	
Max. outside diameter of fixture	54"	1372 m/m
Max. weight faceplate, fixture and part	2750 lbs.	1247 kilograms

STANDARD EQUIPMENT

- Assist for moving of apron plus apron support.
- Dial set gear box gives 12 cutter stroke speeds from 12 to 190 S.P.M.
- 12 different rotary feeds from .0006 to .007, per inch of cutter P.D. Additional pickoff gears are available for other feeds.
- 5" diameter hollow cutter spindle with standard 1 3/4 nose adapter.
- Change gears and feed gears for one part.
- Dial with adjustable trip dogs controls depth feed and number of cuts.
- Work spindle fast rotation for truing work.
- Bijur automatic oiling system for complete machine.

OPTIONS AND SPECIAL EQUIPMENT

- 48-12 Option: for cutting 12" face width.
- *48-Z-8 Option: 12" hole in work spindle.
- *48-Z-12 Option: 12" hole in work spindle plus ability to cut 12" F.W.

*Max. weight face plate fixture and part
3850 lbs. 1746 kilograms

- Different size throated raise blocks.
- 3-speed motor to give 36 stroking speeds from 6 to 190.
- Trabon automatic type III lubrication system with light oil to bed and heavy oil to apron including electrical control.
- Helical guides with lead of 15.700 and over. Standard 36" Gear Shaper guides can be used on the 48-8 and 48-12 types if face width to be cut is not over 6". Likewise 48-8" guides can be used on 48-12 if face width to be cut is not over 8".
- Saddle rapid traverse mechanism.
- Pull type work supports.
- Cutter positioning for stopping machine with cutter at top of stroke.
- Adjustable tilting mechanism for cutting tapered gears.
- Rack cutting attachment.
- Face gear cutting attachment.
- Automatic indexing mechanism.

fellows

**GEAR SHAPER
No. 48-8**

