



**G315** Polar Pinion Knife Change Gear 014628, 245954. This bronze pinion or "gear" is used in the blade carrier during blade changes. It measures 25mm (.98") in diameter at the large end by 65mm (2.56") long. There are 7 gear teeth at the back end and there is an 8mm hex socket at the front end.



**G325** Pinion Gear for Polar hand fine adjustment mechanism. Machined from Delrin plastic. Supplied with internal needle bearing. 15 helix teeth. (206286)



**M633** Toothed plate for Polar 92, 222744, M633 toothed plate for the knife changing mechanism on Polar 92 paper cutters. Equivalent to Polar part number 222744.



**G326** Spur gear for Polar hand fine adjustment mechanism. Machined from Delrin plastic. 55 helix teeth. (206273)



**G319** Hand Fine Spur Gear (equivalent to Polar 218631). This 12 tooth gear is used in the backgauge hand fine adjustment mechanism on Polar 72 EL, 72 CE and PM cutters, after machine serial number 4551001. Outside diameter is 2.97" (75.5mm). It's overall width is approximately 1.57" (40mm). 19mm diameter bore and 6mm wide keyway.



**G327** Polar Track Change Gear. Used on Polar 115 CE and Polar 155 CE cutters built during the 1970's. The gear is used in the mechanism which changes the "track" on the wide magnetic tape on cutters with the magnetic tape program storage system. This 15 tooth gear is machined from aluminum and is a direct replacement for the metal and plastic original gear. (010591)



**G320** Hand Fine Pinon Gear (equivalent to Polar 218628.) This 6 tooth gear is used in the hand fine adjustment mechanism on some early Polar EL and Polar CE paper cutters. Measures 1.47" (37mm) in diameter over the 6" teeth. Overall length is approximately 1.062" (27mm) long. It has a 14mm bore and is drilled for a roll pin.



**G329** Polar Lead Screw Gear equivalent to Polar 222205 (ZA3.222205). This black plastic gear has 60 teeth and measures approximately 155mm (6.125") in diameter by 14.8mm (.583") wide at the gear teeth. It has a 19mm (.750") diameter bore with a 6mm wide keyway. Used on Polar 115 EMC and 115 EM (up to machine serial #5731401), 137 EMC (before machine serial #5721001). This does NOT fit any Polar Autotrim models. This does NOT fit and Polar 58, 76, 78 or 92 models.



**G321** Hand Fine Spur Gear (equivalent to Polar 218629). This 22 tooth gear is used in the hand fine adjustment mechanism on some of the early Polar EL and Polar CE paper cutters. Outside diameter of 4.97" (126mm). Overall width is approximately 1.57" (40mm). It has a 19mm diameter bore (.75") and a 6mm wide keyway.



**G330** Polar Lead Screw Gear, equivalent to Polar 245004. Black plastic gear has 106 teeth, measures approximately 162mm (6.375") in diameter by 15mm (.583") wide at the gear teeth. Has a 19mm (.750" bore with a 6mm wide keyway).



**G324** Polar Claw Clutch Gear, equivalent to Polar number 206292. This 6 lugged "gear" engages out part number G325, the Polar hand fine adjusting gear. It is used in the backgauge hand fine adjustment mechanism on many Polar EL, ST and CE cutters, such as the 71 & 72 models (before machine serial number (4551001), 90 CE, 115 CE (before machine serial number 4431931), 150 and 155 CE cutters. It measures 1.250" in diameter at the claw tooth end by 1.375" long.



**G331** Polar Fine Adjustment Gear, Polar part #245078. This cast aluminum handfine gear has 11 teeth and measures approximately 19.5mm (.77") in diameter by 34mm (1.34") long. Requires drilling during assembly. Supplied with new spring pin.



**G335** Polar Lead Screw Gear, equivalent to Polar #245010. It has 68 teeth and is approximately 105mm (4.125") in diameter. It measures 15mm (.563") wide at the teeth. Has a 19mm (.750" diameter bore with a 6mm wide keyway. Fits 76 EM cutters after serial #5761301 and 78 and 92 cutters after serial number 6511201.



**G338** Polar Lead Screw Gear, Equal to Polar 224231. This black plastic gear has 38 teeth and measures approximately 100mm (3.938") in diameter by 14.7mm (.563") wide at the gear teeth. It has a 19mm (.750") diameter bore with a 6mm wide keyway. Fits Polar 76EM up to machine serial #5761301, Polar 92 EMC and Polar 92 EMC MON models up to serial #5711301, Polar 92 s, Polar 92 E, Polar 92 EM, Polar 92 ED, Polar 92 X and Polar 92 XT up to serial #6511201.



**G314** Polar Pinion Gear Kit equal to Polar 059882, 044924 and 256969. This kit is Polar original part #059882. Includes the brass pinion gear (044924 or 256969), washers (202843, 222745, 220951, 022332), screws (202080, 201566), 2 black plastic gibs (221894) and white plastic backing plate (026634). The gear measures approximately 25.2mm (.98") in diameter at the large end by 85mm (3.35") long. There are 7 gear teeth at the back end and there is an 8mm hex socket at the front end.