

PRESRITE NEAR NET GEAR TECHNICAL REPORT

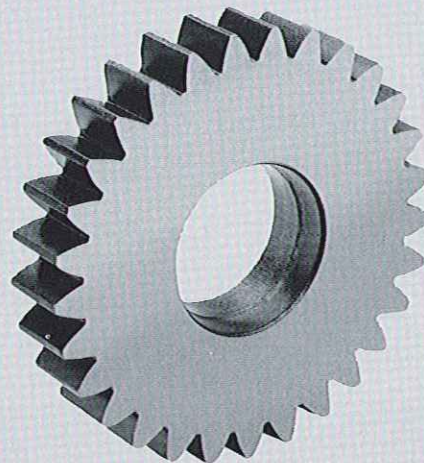
The .3SA near net gear is reducing costs for the gear manufacturer through the elimination of cutting equipment and processes.

Product Use:

The .3SA near net gear was developed for use on medium-pitch gears (4-12) D.P. for improved utilization of raw material, the elimination of rough hobbing, and improved mechanical properties.

Features Include:

- Lower Tooling Cost
- Longer Tool Life
- Reduced Cycle Times
- Shorter Thru-Put Times
- Improved Mechanical Properties
- Less Heat Treat Distortion
- Higher Quality Finished Part



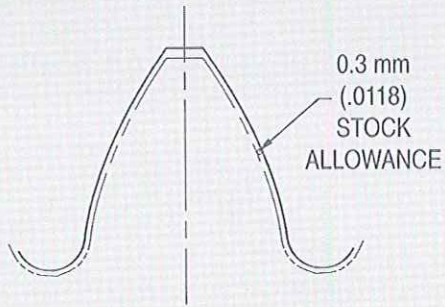
0.3 mm
(.0118)
STOCK
ALLOWANCE



Presrite Corporation

Cleveland: 3665 East 78th Street, Cleveland, OH 44105, (216) 441-5990, FAX: (216) 441-2644
Cleveland: 7105 Bessemer Avenue, Cleveland, OH 44127
Jefferson: 322 South Cucumber Street, Jefferson, OH 44047

NEAR NET GEAR SPECIFICATIONS



Process Capability

<i>Lead Error Per Inch</i>	.04 mm/.0015
<i>Circ. Tooth Thickness</i>	.08 mm/.003
<i>Max. P.D. Runout</i>	.1 mm/.004
<i>Max. Involute Profile Variation</i>	.08 mm/.003
<i>Max. Index Variation (any two teeth)</i>	.08 mm/.003
<i>Over Pin Measurement</i>	± .25 mm/.010

Specification

<i>Max. Workpiece Diameter</i>	254 mm/10 inches
<i>Max. Face Width</i>	152 mm/6 inches
<i>Pitch Range</i>	6-2 mod./4-12 D.P.
<i>Helix Angle Max.</i>	30° max.
<i>Profile Tolerance Zone</i>	.3 mm ± .125/.012 ± .005