

PRESRITE NEAR NET GEAR TECHNICAL REPORT

*The 0.5 mm Stock Allowance (S. A.), Spiral/
Straight Bevel, near net gear is reducing
costs for the gear manufacturer through the
elimination of cutting equipment and processes.*

Product Use:

*The 0.5 mm S. A., Spiral/Straight Bevel,
near net gear was developed for use on less
than 7 D. P. gears for improved utilization of
raw material, the elimination of rough cutting,
and improved mechanical properties.*

Benefits 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



0.5 mm
(.020)
STOCK
ALLOWANCE



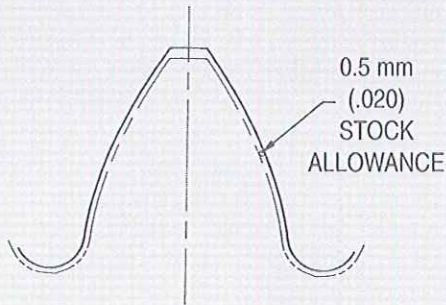
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NEAR NET GEAR SPECIFICATIONS



presrite

SPIRAL/STRAIGHT BEVEL

Process Capability

<i>Spiral Error Per Inch</i>	<i>.1 mm/.004</i>
<i>Circ. Tooth Thickness</i>	<i>± .1 mm/.004</i>
<i>Max. P. D. Runout</i>	<i>.25 mm/.010</i>
<i>Max. Involute Profile Variation</i>	<i>.2 mm/.008</i>
<i>Max. Index Variation (any two teeth)</i>	<i>.2 mm/.008</i>

Specification

<i>Max. Workpiece Diameter</i>	<i>432 mm/17 inches</i>
<i>Max. Thickness</i>	<i>152 mm/6 inches</i>
<i>Pitch Range</i>	<i>Less than 3.63 mod./7 D.P.</i>
<i>Spiral Angle Max.</i>	<i>35° max.</i>