

TECHNICAL DATA SHEET

P-Lock™



DESCRIPTION

The P-Lock is an Integrated Drive Gear System for vertical and horizontal Headlamp aiming. This system utilizes 2K molding to incorporate a main drive gear together with a push button lock, in a ready-to-install assembly.

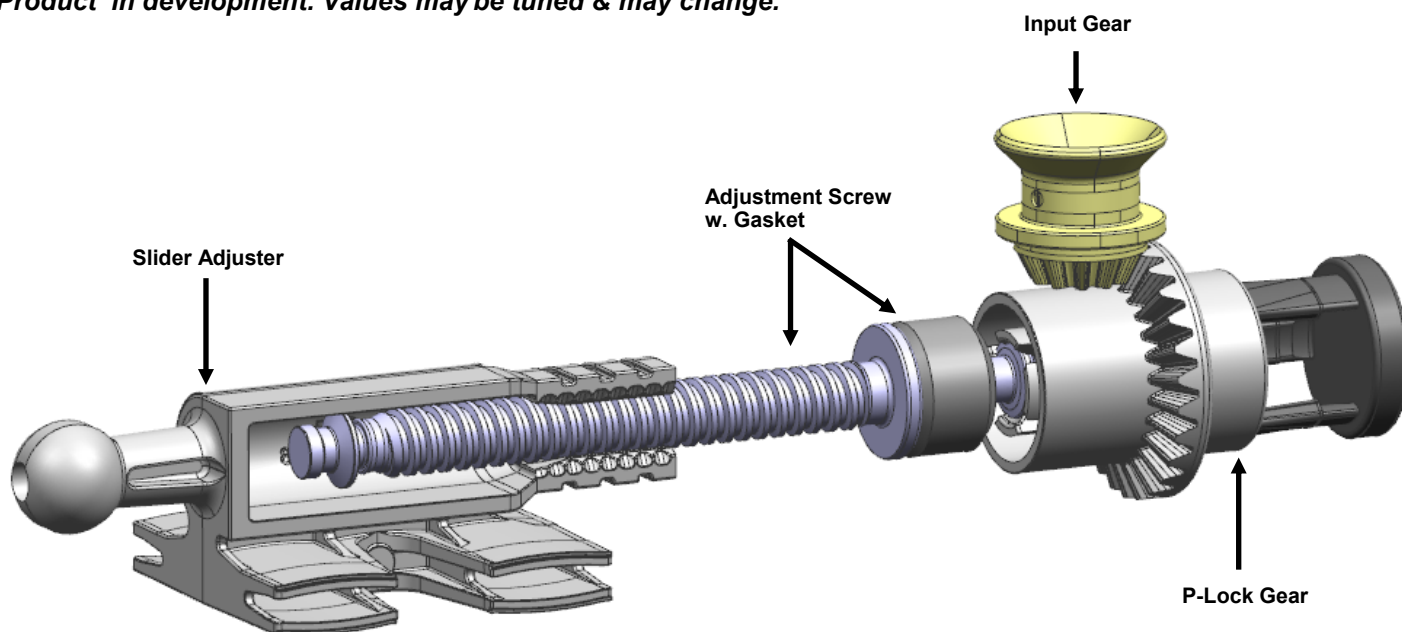
BENEFITS

- Minimizes rotational clearance
- Easy installation
- Robust, secure locking
- Design flexibility
- Integrates with steel and plastic spindles
- Various spindle lengths available
- Can be used as a horizontal lockout

Technical Information

- P-Lock to Screw Insertion Force: 50 N - Max
- P-Lock Push to Final Position Force: 200 N - Max
- P-Lock Pull-off Force: 800 N - Min
- P-Lock to Spindle (Destructive Torque):
 - Steel Spindle ~ 3 Nm
 - Plastic Spindle ~ 1,5 Nm

*****Product in development. Values may be tuned & may change.*****



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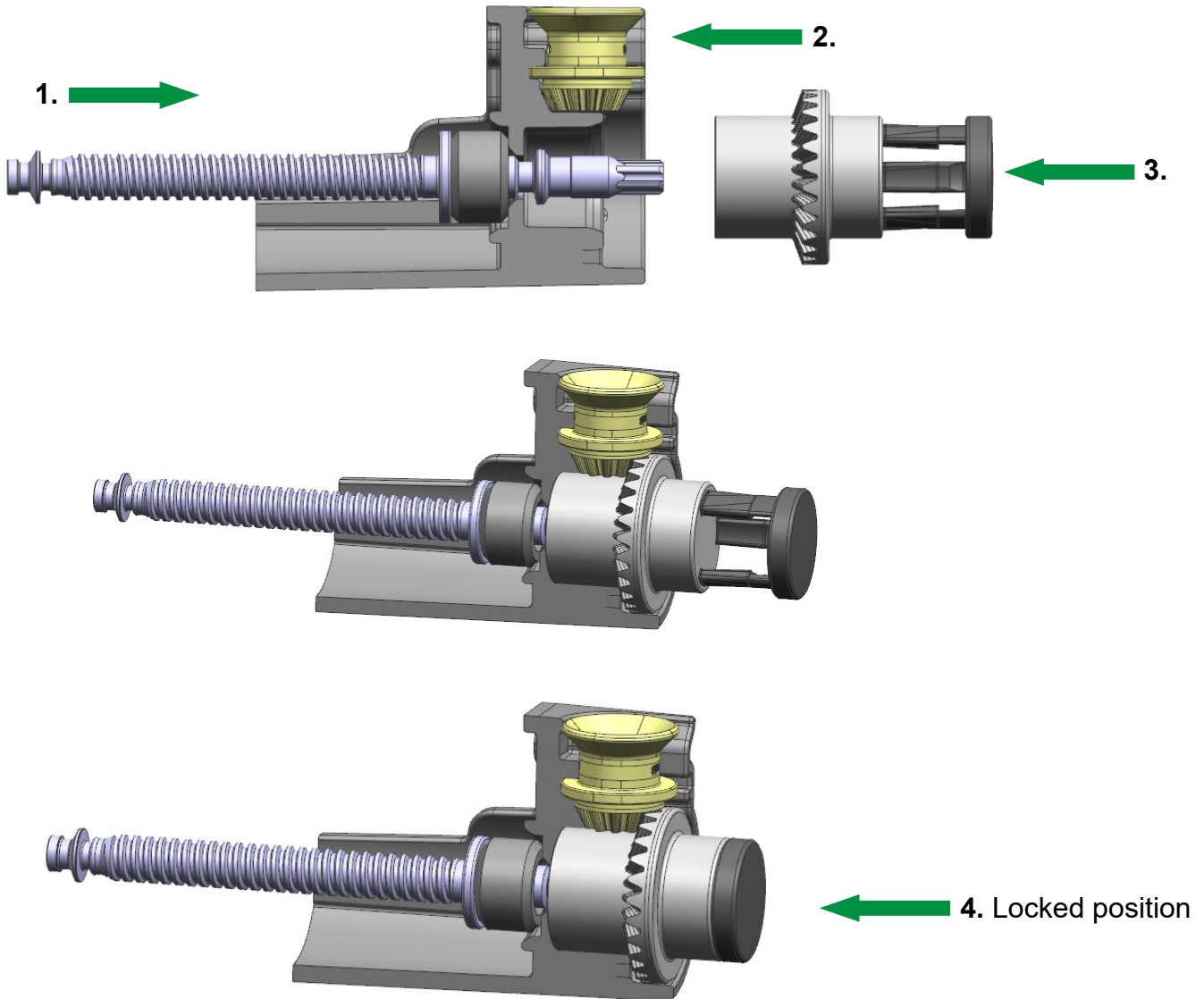
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ASSEMBLY INFORMATION



1. Install the Spindle into the Housing
 - 1.1 Provide sufficient compression to Gasket
2. Install the Input Gear
3. Attach the P-Lock onto the Spindle
4. Push the P-Lock Button into the Locked Position



COMPANY SUMMARY

ASYST Technologies, based in Kenosha, Wisconsin USA, is a pioneering force in the global automotive lighting industry. Specializing in the design development, and manufacturing of plastic components and assemblies, we utilize state-of-the-art molding technology and our in-house automation team to deliver top-tier products. With over 27 years of experience and a current global presence in 28 countries, our product lines include various adjusters, ball sockets, cables, tail lamp studs, pivots, plastic heat sinks, and more. At ASYST, our focus on precision and innovation helps minimize risk, enhance safety and guarantee satisfaction. Choose us for cutting-edge solutions that drive success in the automotive lighting sectors as well as other well-known industries.