

# Helical Gear Stack Mold Systems



## Standard Stack Mold Systems

DME offers a centering actuation system, Helical Gear, to suit your specific requirements.

## Standard Stack Mold Components

DME also supplies a full line of standard Stack Mold Components. These standard components are available off-the-shelf and can be ordered for immediate shipment to meet your needs. Experienced mold designers can customize any Stack Mold System to meet their needs by using our easy-to-follow standards.

## Helical Gear Centering Device Advantages

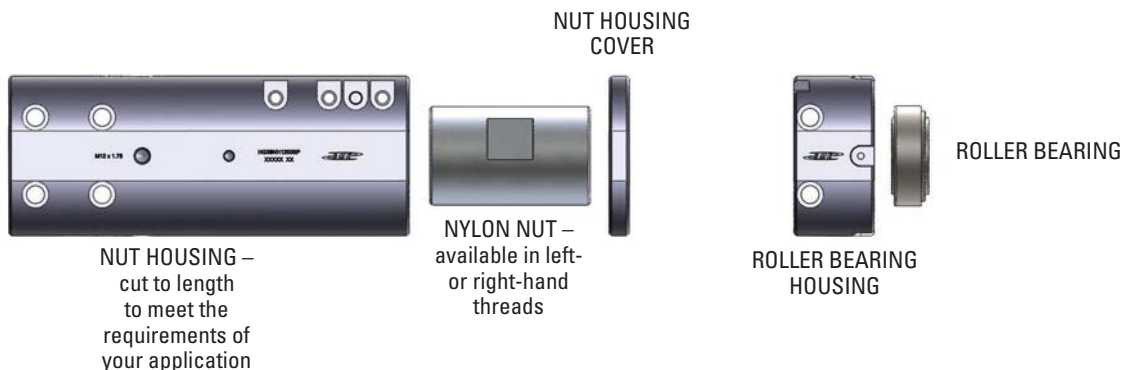
- Easily adjustable to compensate for machining inaccuracies or stack height adjustments
- Small footprint to accommodate side entry robots and/or secondary injection units
- Light-weight assemblies with aluminum housings for easy assembly and maintenance
- Built-in mold seizing safety mechanism: Nylon thread designed to fail before damage to mold or press
- Standardized components to simplify design, build, and maintenance
- Three (3) sizes to accommodate all applications
- Wear items are in stock
- Modular design
- Metric sizes



HELICAL GEAR CENTERING DEVICE – complete assembly



HELICAL GEAR SHAFT – available in (3) sizes



NUT HOUSING – cut to length to meet the requirements of your application

NYLON NUT – available in left- or right-hand threads

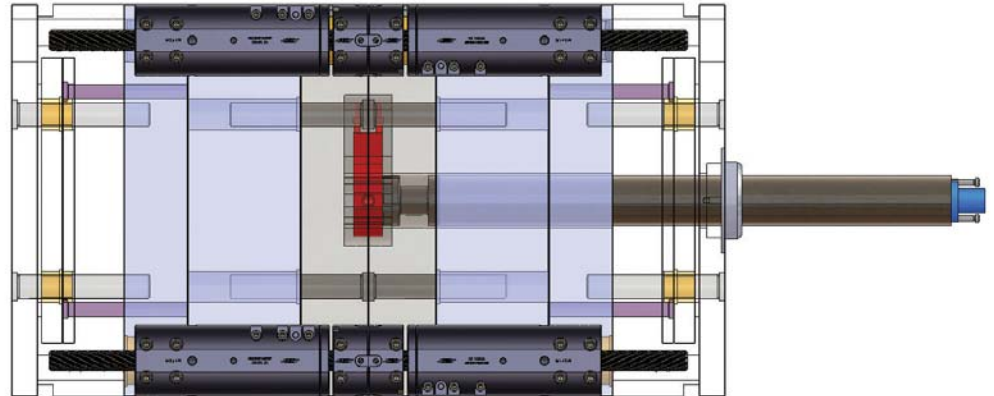
ROLLER BEARING HOUSING

ROLLER BEARING

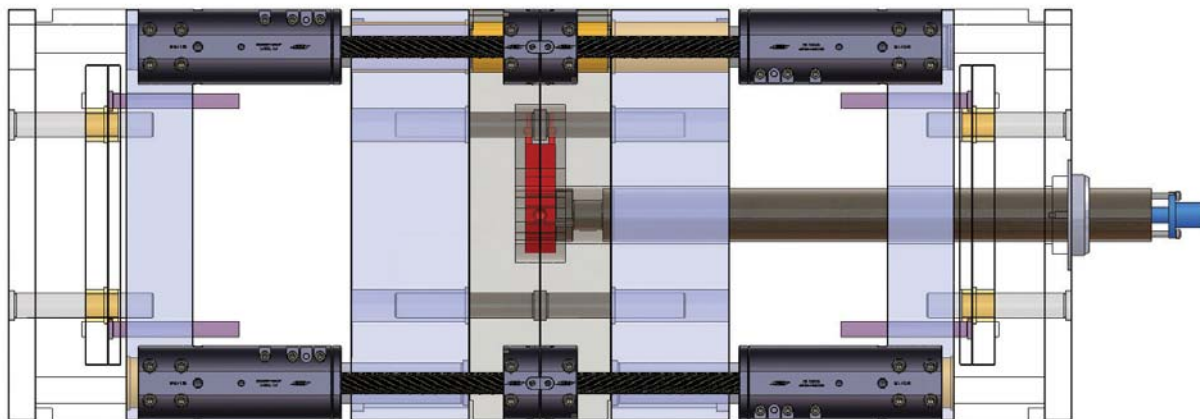
NUT HOUSING COVER



## Helical Gear Stack Mold Systems



Mold is shown with Helical Gear centering device in closed and open positions.



### Stack Molds

Today's plastics processor has to do more with less – less labor, less capital investment, less floor space, and less time. DME can help with comprehensive options for high productivity. Stack Mold Systems can double the output of standard, single face molds between the same tie bar distance. Because the cavity forces cancel each other out, the necessary clamping forces for stack molds are essentially the same as for single face molds.

Key benefits of Stack Mold Systems include:

- Cost-effective solution for increasing capacity
- Optimum use of shop floor space and machine capacity
- Expanded molding capacity without capital expenditures
- More output per unit of shop floor labor – higher productivity in your operation

Stack Mold Systems are ideally suited for automotive applications, housewares, packaging, caps and closures, cutlery and electronic industries. Any applications that require mating parts (container and lid, top and bottom, or left and right) or strict color matching are also candidates for increased molded part quality and molding productivity through stack molds.