



Product

UEP Torque Limiters

Application

Plastic Extruders

Highlights

- Torque breakout ranges from 450 Nm to 15,000 Nm
- Accurate release torque repeatability
- Simple, fast manual re-engagement
- Easy to maintain

A leading twin screw extruder OEM needed reliable torque protection on their line of extruders for the plastics industry. The machines feature two screws (up to 4 meters long) that mix plastic beads and various chemicals, including colorants, as they are moved through a heated chamber. The resulting molten plastic passes through a die which forms the material into the desired continuous profile. The extruded material is cooled and cut to length. Positioned between the drive motor and the gearbox, the torque limiter protects the very expensive twin screws from damage in the case of a material blockage or overload.

The OEM selected Bibby UEP (Ultimate Extruder Protection) torque limiters due to Bibby's reputation as a market leader of torque protection solutions for extruder applications. The UEP units are specifically designed for extruder use and have enabled countless companies to save large amounts of money by avoiding broken screws.

For twin screw applications, UEP models typically feature a rigid hub on the motor side and a flexible half on the gearbox side to provide reliable breakout when overloads or jams occur. Torque breakout ranges from 450 Nm to 15,000 Nm depending on extruder size. Bibby torque limiters are the preferred protection choice for many extruder OEM's. Units are easy to maintain and feature accurate release torque repeatability and simple, fast manual re-engagement.

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