



Industry:
Automotive

Application:
Plastics Extrusion

Problem / Requirement:
Jams in the barrel due to material problems and start-up surges break the expensive extruder screws

Solution:
Autogard 400 Series Ball Detent Torque Limiter protects the extruder screw by tripping at an accurate repeatable point and can be easily reset either manually or automatically

Result:
No damage to equipment and reduced downtime

Autogard 400 Series Torque Limiters Protect Equipment and Reduce Downtime

Extruder machines are used to produce continuous lengths of formed plastic from raw thermoplastic material, known as "nurdles" or "resin". Uses for this process include but are not limited to, manufacturing of piping and tubing, wire and cable covering, window frames and gaskets.

Jams on extruder lines can be extremely expensive as they can cause severe damage to the extruder screw.

It has become an industry standard to use a torque limiter to protect the high value extruder screws from jams in the barrel caused by material problems and start-up surges.

An Autogard® 400 Series Ball Detent Torque Limiter fitted between the motor and gearbox will give accurate disengagement to $\pm 5\%$ of the pre-set trip torque ensuring 24/7 machine uptime.

Autogard torque limiters have been protecting extruder lines for 30 years.



Torque limiter and coupling between motor and gearbox

