



## Ag Clutch Damper Information Sheet

### Agricultural Dampers



Damper spring assemblies are used in a wide variety of tractors, combines, and general agricultural equipment. hydrostatically driven, semi and full power-shift driven tractors are a good example. PTO or transmission shafts can be driven via a centre flange with coupling, or through a splined hub.

These can be independently or directly mounted into the flywheel and used in conjunction with a conventional clutch assembly. The hub is specially designed to reduce any PTO and transmission drive noise or vibration that may be experienced under the various engine and driveline operating conditions.

### Marine Dampers



Also known as isolator assemblies, these are available in various size and plate mounting configurations, allowing adaptation to varied and often space restricted marine applications. Marine dampers are designed to transfer torque whilst reducing torsional vibrations created by the engine.

Hull vibration is another consideration, and if left unsuppressed these vibrations may severely wear or destroy the drive line components. The variable rate damper absorbs these damaging vibrations throughout the whole torque curve of the engine, from idle to maximum power resulting in smoother driveline operation and reduced component wear.

### Industrial Dampers



These dampers vary significantly in spline and hub design depending on the requirement for example, in the mining industry in large Euclid scrapers and dump trucks or in smaller machines and equipment like the Toyota skid steer application. These dampers are available with drilled or un-drilled carriers and can be utilised in various machines and equipment depending on the torque capacity required.



## PTO Dampers



This type suits a variety of tractor makes and models, usually fixed internally into the clutch cover assembly, the damper hub is designed to transfer engine power to the tractors auxiliary (PTO) whilst absorbing the engine vibration and noise which would otherwise be transferred through the shaft.

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