

TORQUE LIMITER

Drives & Drives torque limiter is a protective device that limits torque transmitted in a drive system by slipping when torque demand exceeds a preset value as a result of shock loads, over loads, or machine jams. It automatically reengages when the overload torque has passed, no resetting is required.

The Drives & Drives torque limiter utilizes spring loaded friction surfaces for its operations, slip torque is present by adjustment of the spring force. The Drives & Drives torque limiter can be used with a sprocket, gear, sheave or flange plate as a centre member that is clamped between two friction liners.

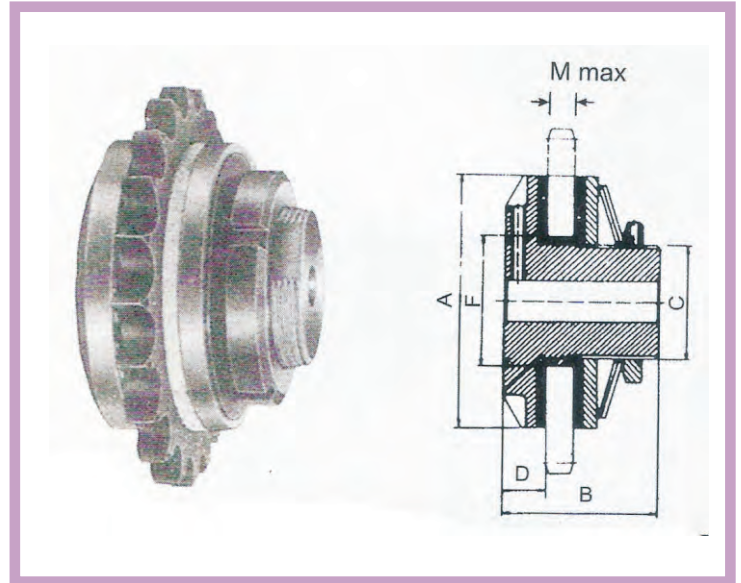
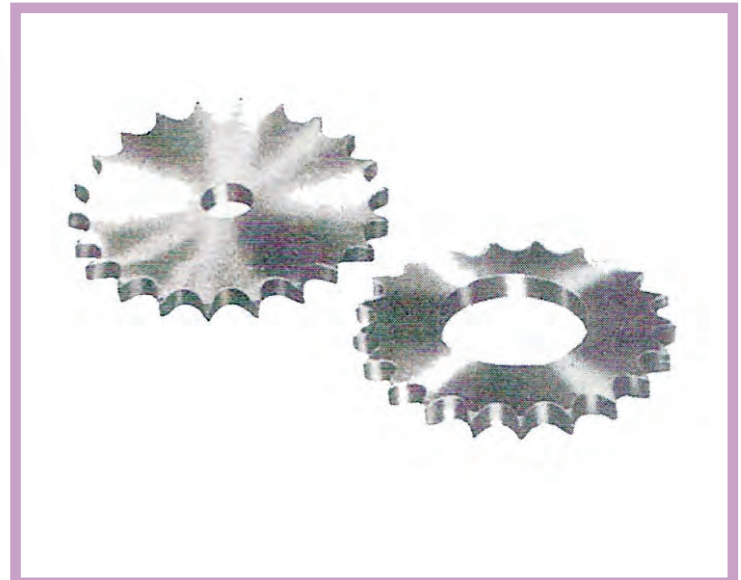


PLATE SPROCKETS

Drives & Drives offers – as a stock item – plate wheels specifically for torque limiter application. Select your plate wheel from our standard sprocket catalogue.

For more precise torque setting and for applications where slippages may be frequent, it is recommended that a Drives & Drives plate sprocket be used. For optimum torque limiter performance plate sprocket must be flat, paralleled, square with bore and free from rust, scale and oil. If a plate sprocket is not in accordance with these specifications, torque limiter capacity will be erratic and generally lower.



TORQUE LIMITER COUPLINGS

Drives & Drives offers a Torque Limiter Coupling in 14 sizes. This device consists of a shock Torque Limiter and a roller chain type coupling.

The Torque Limiter coupling combines overload slip – protection with the ability to couple driving and driven shafts.

It is an assembly consisting of a standard Torque Limiter and a roller chain coupling. A stock ground plate sprocket serves as the centre member of the torque limiter and it is coupled to a sprocket by an I.S double stand roller chain which is easily connected by a standard connecting link. This construction provides a dependable and easy-to – assemble flexible coupling having shaft misalignment compensation.

