
EXPLORE

Torque Limiter Catalog 2026

Shear-Bolt, Friction Clutch, Ratchet, Overrunning & Automatic Protection

About Explore

EXPLORE is an integrated supply-chain partner for agricultural and industrial power transmission components. We combine deep product knowledge, factory-direct sourcing, and strict in-process quality control to deliver PTO drive shafts, torque limiters, universal joints, safety guards and friction clutches to buyers across Europe, the Americas and worldwide.

Our team manages the full export workflow - technical selection, quality inspection, export documentation and fast quoting - so distributors, OEMs and dealers receive export-ready, CE-compliant components with reliable lead times.

Capability	What it means for you
Product expertise	Correct cross size, spline & tube profile selected from your old part or drawing
Quality control	Dimensional & torque checks on every batch before shipment
Export ready	CE documentation, reinforced cartons, palletised loading
Fast quoting	Quotation and technical advice within 24 hours

Torque Limiter Types

Type	Code	Torque Range	Reset	Typical Use
Shear-bolt	SL	up to 3000 Nm	Replace bolt	Rotary cutters, mowers
Friction clutch	FN/FF V	600 - 2500 Nm	Self / auto	Balers, mulchers
Friction + overrun	FNV	600 - 2500 Nm	Self / auto	Rotary cutters with inertia
Overrunning	RA	by series	Automatic	Flywheel-driven implements
Ratchet (cam)	AS	200 - 1200 Nm	Automatic	Tedders, fertiliser spreaders
Automatic (re-engage)	AC	200 - 1500 Nm	Automatic	Seasonal heavy-duty
Freewheel	FW	by series	Automatic	Centrifugal load machinery

Friction Clutch Models

Model	Discs	Disc Dia.	Torque Range
FN (single)	2	Ø160 mm	600 - 1200 Nm
FN (double)	4	Ø200 mm	1200 - 1800 Nm
FFV (heavy)	8	Ø200 mm	1800 - 2500 Nm

Shear-bolt limiters use grade 8.8 / 10.9 bolts and C45 steel hubs. Friction discs use non-asbestos linings. Torque can be factory-preset to your specification.

How to Choose

If your machine...	Recommended type
Has occasional jams (mower)	Shear-bolt SL
Has frequent overloads (baler)	Friction clutch FN/FFV
Has high inertia / flywheel	Friction + overrun FNV
Needs no-reset auto protection	Ratchet AS / Automatic AC
Must prevent reverse drive	Overrunning RA / Freewheel FW

Packaging, MOQ & Lead Time

Item	Standard Export Packing
Inner	Anti-rust film + foam end caps
Carton	Reinforced 5-ply export carton
Pallet	Fumigated wooden pallet, strapped & wrapped
MOQ	Typically 50 - 100 pcs / model (negotiable)
Sample lead time	7 - 10 days
Bulk lead time	25 - 35 days after deposit
Compatible brands	Cross-reference to Bondioli & Pavesi, Comer, Walterscheid

Contact Explore

Email: sales@explore-itech.com

Tel / WhatsApp: +86 158 5285 9883

Web: www.explore-itech.com

Address: No.300 Hanhai South Road, Gaoyou Town Industrial Park, Yangzhou, China