

Perfect solutions for

*Food industry
Chemical industry
Environmental technology
Process equipment*



Corrosion-resistant torque limiting clutches

- *Sealed backlash-free torque limiting clutches*
- *Rustproof torque limiting clutches*
- *Housed torque limiting clutches*

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mayr[®]

your reliable partner

Mechanical torque limiting clutches are the only reliable means of maximising the productivity and operational economics from machines and equipment. Torque limiting clutches avoid damage due to operational disturbance and collisions and thus reduce expensive downtimes and repairs. In the food industry, chemical industry and process technology working conditions often occur where only torque limiting clutches with high-quality corrosion protection can operate over a long period without problems. Standard torque limiting clutches are not suitable for such applications, where damp, cleaning liquids or aggressive media together with ambient conditions are among the daily working environment. **mayr**[®] Antriebstechnik offers two principally different variations of clutches which are optimally matched to such applications. You, the customer, have the choice between sealed torque limiting clutches or designs made of rustproof material – usually from stainless steel.

EAS[®]-Compact[®] sealed

Completely
rustproof
with seal

- No penetration of cleaning liquids or other media, no discharge of grease
- Completely closed due to rustproof seal
- Synchronous function
- Automatic re-engagement
- Mechanical disengagement of input and output in case of an overload
- Precise torque limitation with high disengagement and repetitive accuracies
- Permanent backlash-free torque transmission
- Low mass moment of inertia due to compact design
- Long service life due to hardened functional components
- Use of lubricants with approval for food industry



EAS[®]-Compact[®] with sealing cover

for low speed
applications



- Automatic re-engagement
- Mechanical input and output drive disconnection in the event of an overload
- Exact torque limitation due to high disengaging and repetitive accuracies
- Permanently backlash-free torque transmission
- Suitable for speeds up to 500 rpm.
- Ease of enclosure assembly without additional components
- Economic plastic enclosure
- Low mass moment of inertia due to compact construction
- Long service life due to hardened functional components

Corrosion-resistant torque limiting clutches

Completely made of
stainless steel ¹⁾

EAS[®]-Compact[®]
rustproof

We manufacture the
EAS[®]-Compact[®] in stainless steel
for your production requirements.

- Identically with the EAS[®]-Compact[®] standard
- Synchronous function
- Automatic re-engagement
- Mechanical disengagement of input and output in case of an overload
- Precise torque limitation with high disengagement and repetitive accuracies
- Permanent backlash-free torque transmission
- Low mass moment of inertia due to compact design
- Easy torque adjustment
- Long service life due to hardened functional components
- Use of food industry approved lubricants

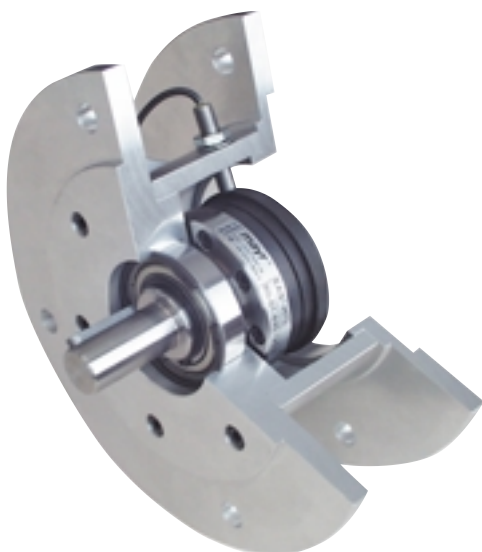


¹⁾ Cup spring with high-quality corrosion protection

mayr[®] offers backlash-free torque limiters in a rustproof design and with different sealing variations. The sealed designs are not only protected against corrosion, but also against penetration of dirt and humidity as well as against lubricant leakage. An advantage which is specifically required in sensitive areas of the food industry.

Totally enclosed in
an IEC or NEMA
flanged housing

EAS[®]-HTL
Housed Torque Limiter



- EAS[®]-Compact[®] in a sturdy sealed housing with IEC or NEMA connections
- Integrated limit switch to signal off in case of an overload
- Economic totally enclosed unit
- Compact overall dimensions
- Easy assembly due to standardised flange and shaft dimensions
- Fail-safe and reliable due to protection against mechanical damage, corrosion, penetration of dirt and lubricant leakage

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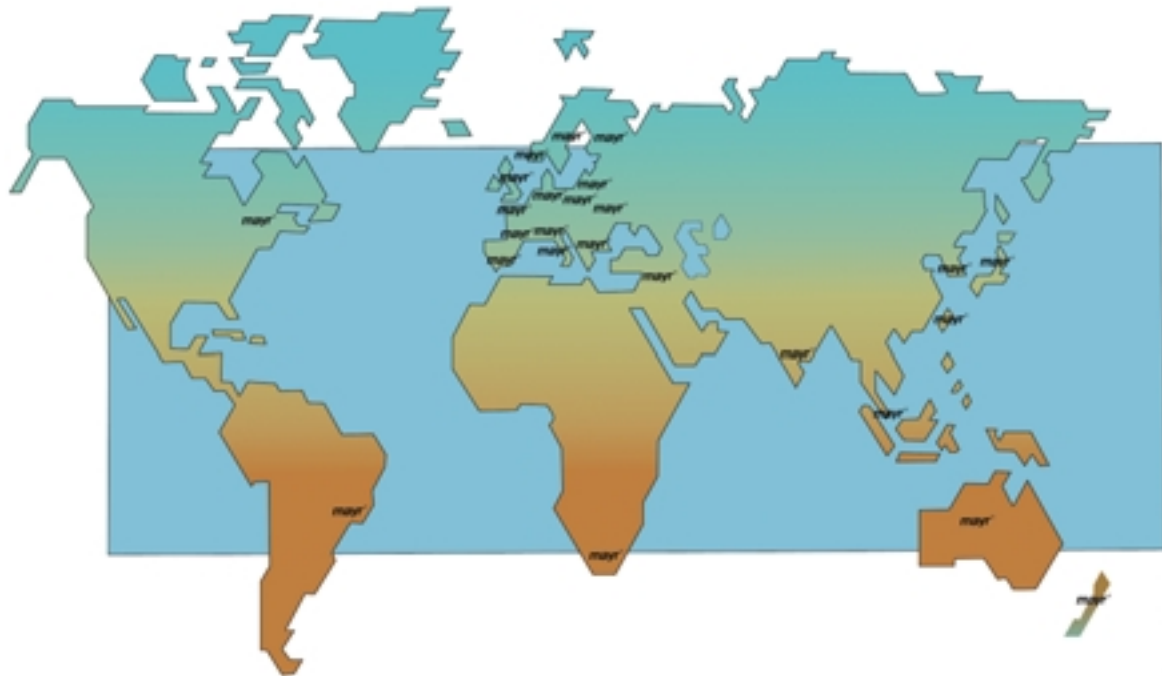
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