esco

ESCO Couplings

esco

Escogear-Series

Special properties

- Multicrown gearing
- Homogeneous torque transmission
- Reduced backlash
- Optimum max. torque-/ max. misalignment-ratio
- Optimum flange connection
- ATEX conformity
- Excellent protection of components
- Standard and special-purpose versions
- Numerous designs available from stock (pre-bored)

Applications

Heavy-Duty and industrial applications,
pumps, turbines, generator, compressor,
conveyors and roller conveyors
fan and blower,
cranes and lifting devices,
crushers, mills, mixers, extruders,
textile, paper machines, maritime applications, etc.




Series*	escogear F	escogear C & C-M	escogear N	escogear High-Speed
Properties	- Most robust solution - Split housing (AGMA compliant) - Multicrown gearing - Turnable hubs - Single and double cardanic, rigid - Vertical and horizontal installation - 28 sizes	- Most compact solution - Continuous sleeve - Multicrown gearing (C-M) - Turnable hubs - Vertical and horizontal installation - 19 sizes	- Most economical solution - Single internally geared sleeve - Stamped covers - Installation without special tools - 4 sizes	- Individual solution - Weight-optimized - Multicrown gearing - High balancing quality - Nitrided gearing (opt.) - API 671 compliant (opt.) - Continuous oil or grease lubrication
max. torque*	10 080 000 Nm	1 120 000 Nm	2 000 Nm	individual
max. bore Ø*	1 130 mm	470 mm	65 mm	individual

* Data dependent on size and design / special designs on request

Escodisc-Series

Special properties

- Optimized shaped discs
- AISI 301 Full hard stainless-steel discs
- Optimal power transmission
- Designed, calculated and tested for infinite life
- Excellent protection of components
- Operation in dirty, corrosive environments
- ATEX conformity
- Standard and special-purpose versions
- Numerous designs
- Available from stock (pre-bored)

Applications

Petrochemicals and industrial applications,
pumps, turbines, generator, compressor,
conveyors, rolling mills,
fan and blower,
mills, mixers, extruders,
textile, paper machines, test benches,
maritime applications etc.





Series*	escodisc DPU	escodisc DMU	escodisc DMUCC	escodisc DLC	escodisc High-Speed
Properties	- High torques/misalignments - Pre-assembled transmission unit - API 610 compliant - API 671 compliant (optional) - Anti-Fly (optional) - Non-sparking (optional) - 18 sizes	- All purpose solution - Pre-assembled transmission unit - Single and double cardanic - API 610 compliant (optional) - 17 sizes	- For short shaft distances - Pre-assembled transmission unit - Split spacer - Easy assembly - 17 sizes	- Most economical solution - Single disc - Low/medium speed - Design for short shaft distance - Single and double cardanic - 7 sizes	- Individual solution - Weight-optimized - High balancing quality - API 671 compliant (optional) - Anti-Fly (optional) - Non-sparking (optional)
max. torque*	260 000 Nm	260 000 Nm	260 000 Nm	1 600 Nm	individual
max. bore Ø*	575 mm	370 mm	350 mm	105 mm	individual

* Data dependent on size and design / special designs on request

Escofil-Series

Special properties

- Lubrification-free coupling
- Light weight
- High strenght
- Chemical resistance
- Low coefficient of thermal expansion
- Reduced vibrations
- Reduced load on bearings
- High misalignment capacity

Applications

Cooling towers

Series*	escofil
Properties	- Hubs, fasteners made of stainless steel - Floating spacer made of carbon or glass fibres - Flexible elements made from composite - Max SES (DBSE): 6 299 mm - 5 sizes
max. torque*	3 672 Nm
max. bore Ø*	130 mm

* Data dependent on size and design / special designs on request

Esconyl- and Escoflex-Series

Special properties

- Low-cost solution
- Compact design
- For small shaft distances
- Dry-running
- Easy installation, maintenance-free
- Vibration damping
- Electrically insulating
- Available in standard versions
- Available from stock

Applications

General industrial applications
food industry,
textil industry,
robotic,
logistics etc.

Series*	esconyl A, B, C	escoflex S & R	escoflex A
Properties	- Non-lubricated gear type coupling - Continuous sleeve out of Nylon - Hubs made of Nylon, Zamak or Steel - Single and double cardanic - Temperature range to 60°C - 6 sizes	- Very light coupling - 2 hubs with rubber inserts - Hubs made of Zamak - Rubber reinforcement (escoflex R) - 4 sizes	- Compact design - 2 hubs with rubber inserts - Hubs made of cast-iron - 12 sizes
max. torque*	300 Nm	38 Nm	2 850 Nm
max. bore Ø*	60 mm	42 mm	100 mm

* Data dependent on size and design

Service and Support

Our new service for you - webshop

You get access to a transparent and user-friendly webshop with clear navigation, which we have made our mission to make your business more efficient. Detailed information on our standard couplings, application areas, stock levels and prices are just some of the selection fields that will help you find the right product.

The clear visualisation of the products is additionally supported by drawings. We not only present you with a web shop, but also a unique information platform on the subject of couplings.
You can get an even more detailed overview of ESCO Coupling's core competences and range of services without having to search for a long time.

For access data, please contact your Esco sales representative.

webshop.esco-couplings.com

Since the competitiveness of the technical and economic aspects of the production needs to be more and more effective in the long-term, the machines used in the applications need to be able to run continuously, without failure. Furthermore, maintenance operations should be as short and seamless as possible to minimize costly production down time.

Minimizing the life cycle cost of the installation requires careful attention when selecting the elements of the driveline. A high-quality coupling will make a difference between an efficient, cost effective transmission, and a poorly optimized one.

This is where ESCO can help you. We have been helping our customers by designing high-quality tailor-made couplings for more than 75 years:

Quality is our moto, our core competency: ESCO products are amongst the most reliable in the market; so much so that the main hurdle in our capacity to innovate is the lack of market feedback: our couplings just keep running without issues.

Low lifecycle cost might well be the biggest challenge for ESCO to tackle, but we do work tirelessly to optimize the life time value of our couplings: fair initial price, smaller footprint (space and weight), longer design life, lubrification-free alternatives, extended maintenance steps...

Service is an important part of our business: to best serve your needs, you can count on our experienced team and advanced testing capability. We are more than happy to assist in performing field interventions, maintenance and repair.

Our relationship with customers does not stop once couplings are delivered. We have a team of experienced people ready to perform service on the field, repair, inspections, testing... We can also do the maintenance on our couplings for you. This guarantees proper execution of the maintenance instructions and contributes to improving the lifetime of your application.

ESCO specializes in the design of custom made couplings. If you cannot find a solution that fits your needs, please contact us: we will work hard to engineer the coupling that fits your application specifications.

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