Esco Couplings Portfolio



EXPERTISE DRIVEN | **CUSTOMER** FOCUSED | **SUSTAINABLE** THINKERS

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 series	ESCOGEAR C & C-M series	ESCOGEAR N series	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 discs geometry
- 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
- Low maintenance
- Standard and special-purpose versions
- 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. boreØ*	400 mm	370 mm	350 mm	105 mm	individual

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

ESCONYL & 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

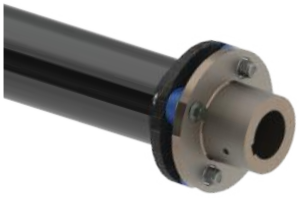
Latest Developments - ESCODISC FIL & ESCOGEAR S series

Special properties

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

Applications

- Cooling towers



Series*	ESCODISC FIL series
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

Special properties

- Flexible lubrication type
- High torque transmission
- Very high misalignment capacity
- Heavy duty hardened toothing
- Compact design
- Tailor-made gear mesh
- Engineered for longevity
- Highly customizable

Applications

- Steel industry



Series*	ESCOGEAR S series
Properties	- Hubs and sleeves made out of high quality heat treated steel - Customized ESCO Multicrowngear mesh - Large pool of shaft connection - Further possible combinations on request - 26 sizes
max. torque*	18 200 Nm
max. bore Ø*	410 mm

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

ESCO worldwide

ESCO Couplings SRL
Avenue Ernest Solvay, 48
B - 1480 Saintes
Belgium
Tel + 32 (0) 2 715 65 60
Fax + 32 (0) 2 720 83 62
e-mail: info@esco-couplings.be
website: www.escogroup.com

ESCO Couplings & Transmissions Pvt. Ltd.
Plot No. 69-D
Bengaluru Aerospace Park
Unachuru Village Jala Hobli
Bengaluru
India
Tel +91 80 7100 1800
e-mail: info@esco-couplings.co.in
website: www.escogroup.com

Local Contact

Authorised distributor

TYMA CZ, s.r.o.
Na Pískách 731/12
CZ - 40004 Trmice, Czech Republic

Phone: +420 475 655 010
Email: info@tyma.cz
www.tyma.cz

Version 01-2025