



## COUPLINGS



*Flexible couplings for all applications.*

### ESCO GEAR

Offers the most comprehensive range of gear couplings for all applications. The standard ranges include 3 basic designs:

NST multi purpose simple cost effective design.

- Four standard sizes for shaft diameters up to 65mm.
- Torque capacity up to 2000Nm (Peak torque 4000Nm).
- Misalignment capacity 0.75° per half coupling.

CST most compact yet robust design.

- Fifteen standard sizes for shaft diameters up to 350mm.
- Torque capacity up to 290,000 Nm (peak torque 580000 Nm).
- Misalignment capacity 0.75° per half coupling.
- Special designs available for disconnect, sliding hub, vertical and mill motor applications.

FST most robust series with the exclusive MULTICROWN tooth form results in the availability of long life high torque couplings to accommodate maximum misalignment.

- Standard sizes for shaft diameters up to 1130mm.
- Torque capacity up to 5040000Nm (Peak torque 10080000Nm).
- Misalignment capacity 0.75° per half coupling.
- Numerous executions available including custom design service. From longer hubs to brake disc arrangements, torque capacity is practically independent of the angular misalignment. Therefore long coupling life is guaranteed.

### ESCOFLEX / ESCONYL

The rubber insert and nylon sleeve couplings offer cost effective solutions for light and medium duty application.

- Various sizes for 6mm to 100mm diameter shafts.
- Torque from 1.28Nm to 2850Nm.
- High misalignment capability up to 3°.

### ESCOFLEX SERIES T

- 4 piece coupling for easy assembly/disassembly.
- 6 sizes available.
- Bore capacity up to 105mm.
- Maximum torque rating 2500Nm.
- 3 year warranty of polyurethane element.



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*ESCO DISC DPU65 coupling with FST60 gear coupling.*



*Unique disc design.*

### ESCO

The ESCO range of flexible couplings are designed to allow a high degree of both angular and parallel misalignment. The ranges summarised as follows are complimented by high quality specialist designs for the most demanding of applications.

### ESCO DISC FLEXIBLE DISC COUPLINGS

The unique design offers high flexibility with no disc buckling and limited axial bearing loads on driving and driven machines even at peak torque.

The stainless steel flexible discs are mounted in such a way to avoid fretting corrosion and premature disc failure. The disc pack is factory assembled for quick and easy field assembly. Available to API 610 and optional API 671 standards the range includes:

- Three basic designs DLC, DMU and DP.
- Eleven shaft sizes up to 370mm diameter.
- Larger size on request.
- Torques up to 260,000Nm (Peak torque 390,000Nm).
- Maximum speed up to 8000RPM for standard couplings, balancing for higher speed applications available on request.
- Misalignment 0.5° per disc pack.
- No backlash.
- Lubrication free.
- Suitable for high temperatures up to 270°C down to -40°C.
- Forged steel main components, protected against corrosion.

● **Infinite life design.**

Other features include:

- Electrical insulation.
- Limited end float.
- Overload protection.
- Vertical execution.
- Non sparking.
- Composite fibre spacer.