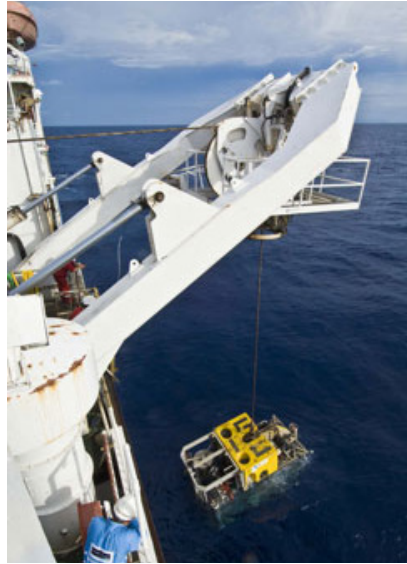


ROBUST. PROVEN. RELIABLE.

Trox Engineering design and manufacture Electrical Slip Ring Units for use in ROV, crane, FPSO turret and winch applications. Our Slip Ring Units can be combined with Fibre Optic Rotary Joints and are used with the winch device which pays out, reels in and stores the umbilical, transferring electrical power, command and control signals between the operator and the ROV, allowing remote navigation of the vehicle.



A winch without a Slip Ring cannot be rotated without damaging the cables.

Using the Slip Ring Unit, the winch can be rotated continuously in both directions, providing a link between the static and rotating parts of the machinery, whilst the cable is connected, without loss of continuity or fibre deficiencies. Our Slip Ring Units are available with internal or external mounting interfaces, for uninterrupted supply of voltages of up to 7.2kV and current of 3000 Amps for power, combined with signals, video and fibre optic passes, as required.

Trox Engineering has over 40 years of experience designing and manufacturing electro-mechanical rotating machinery. Trox Slip Ring Collector Columns are well established and are a proven method of transferring power and signals across a rotational interface. Sliding contacts of 95% copper are used for power and silver graphite brushes on precious metal plated rings are used with circuits for signals (being screened or shielded as required). In addition to ROV applications, we have a wide and comprehensive standard product range and full design capability for bespoke solutions, for crane and turret applications.



REMOTELY OPERATED VEHICLE (ROV)
SLIP RING UNITS

EXPLOSION PROTECTED GROUP IIB ZONE 1 Ex d IP66 ENCLOSURE

SLIP RING - TX4700 SERIES

- Up to 24 x 6 Amp Rings
- Available with Multi-Pin Connectors
- Cast Aluminium Housing
- Max. Voltage 1500V ac/1800V dc



SLIP RING - TX4705/6 SERIES

- Max. Throughput: 268 Amps
- Fibre Optic Rotary Joint Option
- 316L Stainless Steel
- Max. Voltage 2000V ac



SLIP RING - TX4707

- 2 x 8 Amp Rings
- Aluminium Housing - Marine Paint
- 95mm Length
- Max. Voltage: 1500V ac/1800V dc



SLIP RING - TX4740

- Max Throughput: 400 Amps
- Fibre Optic Rotary Joint Option
- Ø168mm Cover
- Max. Voltage: 4500V ac



SLIP RING - TX4741

- Max Throughput: 400 Amps
- Fibre Optic Rotary Joint Option
- Ø147mm Cover
- Max. Voltage: 3300V ac



WEATHER PROTECTED IP66 316L STAINLESS STEEL HOUSING

SLIP RING - TX4820 SERIES

- Various configurations (e.g. 60 Amps)
- Fibre Optic Rotary Joint Option
- Gas Purge Option
- Max. Voltage: 3300V ac



SLIP RING - TX4845/6 SERIES

- Up to 26 x 7.5 Amp Rings
- Precious metal plated rings
- Cable Entry Options
- Max. Voltage: 1200V ac/dc



SLIP RING - TX4847 SERIES

- Various configurations (e.g. 32 Amps)
- Fibre Optic Rotary Joint Option
- Cable Entry Options
- Max. Voltage: 2000V ac/dc



SLIP RING - TX4890 SERIES

- Various configurations (e.g. 300 Amps)
- Fibre Optic Rotary Joint Option
- Gas Purge Option
- Max. Voltage: 7200V



坚固耐用 久经考验 可靠放心

Trox Engineering 设计和制造，用于 ROV、起重机、FPSO 转塔和绞车应用的电气滑环单元。我们的滑环单元可与光纤旋转接头组合使用，并用于收放和存储脐带缆的绞车装置，在操作员与 ROV 之间传输电力、指令和控制信号，实现对航行器的远程导航。

没有滑环的绞车无法旋转，否则会损坏电缆。



使用滑环单元，绞车可以在电缆连接的情况下，在两个方向上连续旋转，在机械的静止部件和旋转部件之间提供连接，而不会失去连续性或产生光纤缺陷。我们的滑环单元提供内部或外部安装接口，可根据需要不间断地提供高达 7.2 kV 的电压和 3000 安培的电流、信号、视频和光纤通道

Trox Engineering 在设计和制造机电旋转机械方面拥有超过 40 年的经验。Trox 滑环集电柱是成熟可靠的技术，用于跨越旋转接口传输电力和信号。动力传输采用含铜量 95% 的滑动触点，信号电路则在贵金属电镀环上使用银石墨电刷（可根据需要进行屏蔽）。除了 ROV 应用，我们还拥有广泛而全面的标准产品系列以及为起重机和转塔应用提供定制解决方案的完整设计能力。



滑环 - TX4700 系列

- 高达 24 x 6A 环
- 铸铝外壳
- 可提供多芯连接器
- 最高电压：1500V ac/1800V dc



滑环 - TX4705/6 系列

- 最大通流能力：268A
- 316L 不锈钢
- 可选光纤旋转接头
- 最高电压 2000V ac



滑环 - TX4707

- 2 x 8A 环
- 95mm 长
- 铝制外壳-船舶漆
- 最高电压：1500V ac/1800V dc



滑环 - TX4740

- 最大通流能力：400A
- Ø168mm 盖板
- 可选光纤旋转接头
- 最高电压：4500V ac



滑环 - TX4741

- 最大通流能力：400A
- Ø147mm 盖板
- 可选光纤旋转接头
- 最高电压3300V ac



防风雨的 IP66 316L不锈钢外壳

滑环 - TX4820 系列

- 多种配置 (例如 60A)
- 可选气体吹扫
- 可选光纤旋转接头
- 最高电压：3300V ac



滑环 - TX4845/6 系列

- 高达 26 x 7.5A 环
- 可选电缆引入
- 贵金属电镀环
- 最高电压：1200V ac/dc



滑环 - TX4847 系列

- 多种配置 (例如 32A)
- 可选电缆引入
- 可选光纤旋转接头
- 最高电压：2000V ac/dc



滑环 - TX4890 系列

- 多种配置 (例如 300A)
- 可选气体吹扫
- 可选光纤旋转接头
- 最高电压：7200V

