

## Flygt Cable Handling system (Pat)

For large Flygt PL and LL pumps

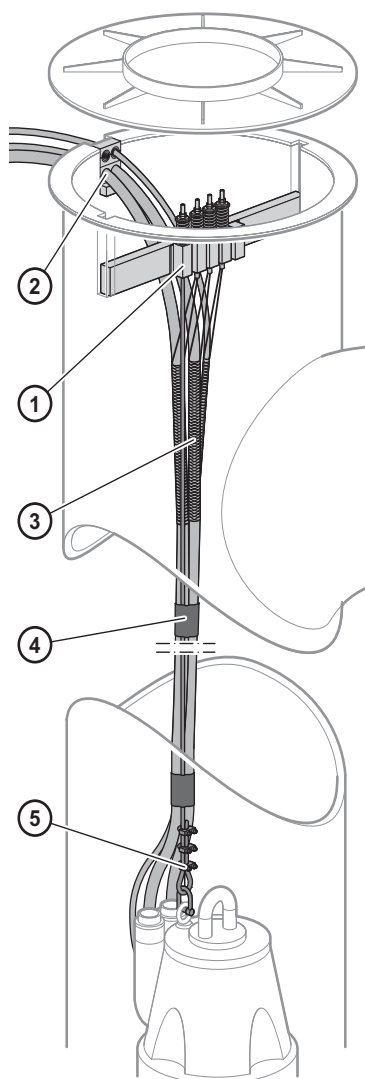
The Flygt cable protection equipment protects the cables of large submersible pumps in discharge columns

### Benefits

- Power and control cables protected from wear and movement
- For discharge columns with open top or side outlet
- Watertight cable entry for columns with top cover
- Works together with Flygt Dock-Lock™ hoisting equipment

### Function

- **Power and control cables protected from wear**  
The cables are well controlled in the turbulent water flow inside the pump discharge column. Spring loaded supports maintain good control over time. Bundling kit dampens cable movement.
- **For discharge columns with open top or side outlet**  
The Flygt cable protection equipment fits in or above various discharge columns.
- **Watertight cable entry for columns with covered top**  
Cable entry for pressurized pipe systems.
- **Works together with Flygt Dock-Lock™ hoisting equipment**  
We recommend that the Flygt cable protection and the Flygt Dock-Lock™ lifting equipment are installed together. Permanently installed lifting wires or chains can not be used.



### Components

- 1. Support beam**  
with springloaded eye-bolts. It is installed in slots in the side of the column or above the column. The beam is prepared for suspension of the Flygt Dock-Lock™ guide wire. (See separate documentation.)
- 2. Option: Cable entry unit**  
for closed discharge columns. The cable entry unit fits at the top of the discharge column, and provides a water tight cable transit trough the wall.
- 3. Cable support grips**  
for each individual cable, which is kept taut by spring-loaded eye bolts on support beam.
- 4. Bundling kit**  
for cables and support wire. Includes vulcanizing tape, protective tape and plastic tube, to protect cables from support wire.
- 5. Support wire**  
with shackles. Provides additional support for cables and is mounted to support beam.

### Technical Data

Item	Specs	Quantity	Material
Support beam	For column diameter 700 -1400 mm	1 pc / discharge column	Stainless steel 304
Spring-loaded eye bolt and support wire	Wire for 4 – 16m cable length	1 pc / discharge column up to 8m depth 2 pcs / discharge column 8-16 m depth	Wire, eye bolt, nut: Stainless steel 304 Spring steel EN 10270-1:2001 Shackle: Stainless steel 316
Spring-loaded eye bolt and support grip	For power cable diameter 32 – 60 mm	1 - 3 pc / discharge column	Support grip: Stainless steel 316 Eye bolt, nut: Stainless steel 304 Spring steel EN 10270-1:2001
Spring-loaded eye bolt and support grip	For monitoring cable diameter 15 – 29 mm	1 pc / discharge column	Support grip: Stainless steel 316 Eye bolt, nut: Stainless steel 304 Spring steel EN 10270-1:2001
Bundling kit	Self-vulcanizing wrapping set	1 pc / meter cable length	IV tapeNitto tapePipe: PVC
Cable entry unit incl. frame	Sealing for 2 – 4 cables	1 pc / covered discharge column	EPDM rubberCarbon steel