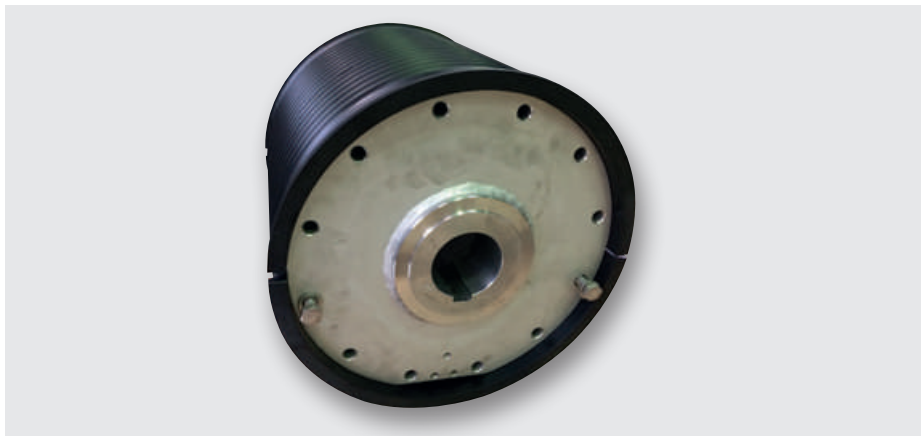




Synthetic Cable Drums – The Alternative to the Cast-Iron Cable Drum

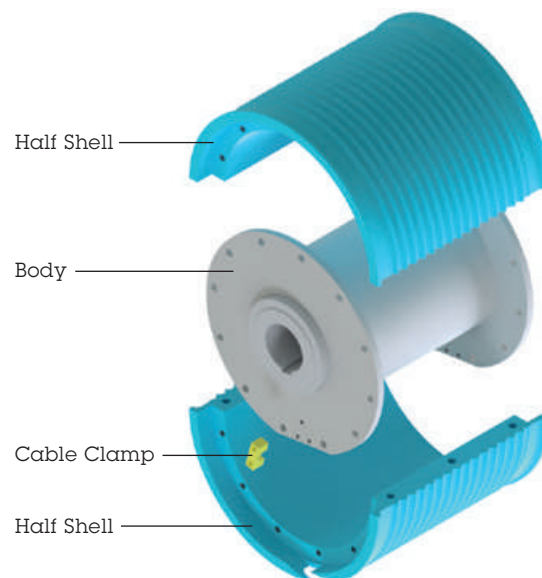
The “old” cast-iron cable drums can now be replaced by the new synthetic cable drums from Geiger®. This means shorter delivery times as well as quick and easy assembly.



The Geiger® Cable-Operated Bar Screens with cast-iron cable drums can be replaced by new cable drums with synthetic half shells.

No expensive conversion is necessary. Instead of the cast-iron cable drum, only the new bodies have to be installed.

Design



The Synthetic Cable Drum consists of the following components:

- 2 x Polyamide Half Shells (PA6C)
- 1 x Body (stainless steel 1.4571)
- 1 x Cable Clamp
- 6 x Pins
- Fixing Material

Synthetic Half Shells

- The synthetic half shells consist of highly wear resistant polyamide (PA6C)
- The half shells are connected to the body by means of hexagon head screws
- The steel-cable end is attached to the body by means of a cable clamp
- The cylindrical pins centre the half shells, but also absorb deflection forces in the middle of the shells

Body

- Consists of stainless steel 1.4571
- Replaces the original cast-iron cable drum
- Serves as an adapter and for holding the half shells
- Suitable for left- and right-hand thread

Assembly

Initial assembly:
(body and half shells)

- Dismantle the shaft of the Geiger® Cable-Operated Bar Screens to install the body
- The old cast-iron cable drum is then dismantled and replaced by the body
- The half shells are pre-assembled for initial assembly
- The cable is then attached by using the cable clamps

Assembly at a later date:
(half shells only)

- Remove cable
- Loosen the screws on the front-face from the body
- Replace half shells
- Tighten the screws on the front-face
- Attach cable

Comparison of costs

| | Half Shells (with adapter) | Cast-Iron Cable Drum |
|-------------|-------------------------------|-------------------------|
| Spare parts | 106 % | 100 % |
| Assembly | 100 % | 100 % |
| Downtime | 1-2 days | 1-2 days |

Complete set (consisting of 2 x left hand & 1 x right-hand thread)

| | Half Shells (without adapter) | Cast-Iron Cable Drum |
|-------------|----------------------------------|-------------------------|
| Spare parts | 72 % | 100 % |
| Assembly | 70 % | 100 % |
| Downtime | approx. 6 h | 1-2 days |

Replacement set of shells (consisting of 2 x left-hand & 1 x right-hand thread)

Advantages

- Shorter delivery time of approx. 12-14 weeks
 - Compared to approx. 24 weeks for cast-iron drums
- Spare parts for a synthetic half shell are less expensive
- No removal of the shaft is necessary
 - Shorter machine downtime
 - Lower assembly costs
- Better lubricating properties of the synthetic material
 - Reduced cable wear

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The technical data stated in this brochure are indicative only and have to be determined for each individual case.
Subject to technical changes.