



CABLE DRUM ENGINES

SMD can offer a range of Cable Drum Engines (CDE's) including a unique knife-free Self-Fleeting Drum, which incorporates multiple drum staves which translate independently allowing the cable to travel across the drum automatically. The staves motion is controlled by electric drives giving flexible cable spacing, ideal for operations with large diameter repeaters. Elimination of cable knives increases the lay speed and reduces the opportunity for cable damage during lay operations especially for large diameter power cables and together with multiple wraps, large cable tensions are achievable. Drum engine designs are lower weight compared to equivalent designs and are suitable for both cable laying and repair operations. Designs include variable speed AC transmission with integral hydraulic service pack and hydraulic drive transmission options. SMD CDE's have reduced rolling resistance compared with conventional drum engines, which improve slow speed control and low tension render performance.

CDE FEATURES

- Knife-free self-fleeting drum design available.
- Safe fleeting system simplifies drum operation when handling repeaters.
- Infinitely variable fleeting pitch to enable fleet to be optimised for cable/repeaters.
- Fleeting process can be automated, enabling fully automatic cable laying.



TYPICAL SELF-FLEETING CDE SPECIFICATION

GENERAL	
Typical Configuration	4m/4.5m Top / Bottom Entry
Dimensions	6.6m (L) x 4m (W) x 5.9m / 6.5m (H)
Weight	~32 / 38Te
Deck Mounting	4x Load cells
Drives	AC Induction

PERFORMANCE	
Pick-Up/Pay-Out Max Tension	40 / 50Te
Maximum Continuous / Intermittent Speed	6 knts / 8knts
Cable Size Range	14mm dia. Lightweight to 150mm dia. armoured
Repeater	400mm dia, up to 2m long
Mechanical Brake	50 / 60Te

