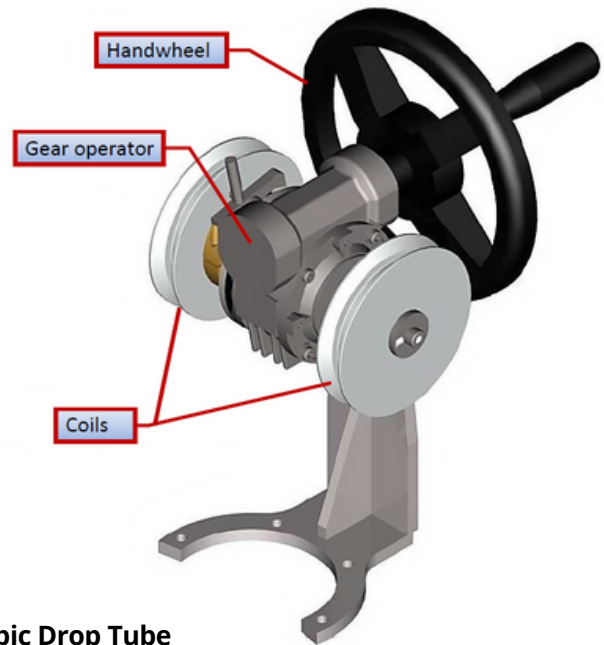


# Telescopic Drop Tube

## Model 4517 Telescopic Drop Tube Driving Device

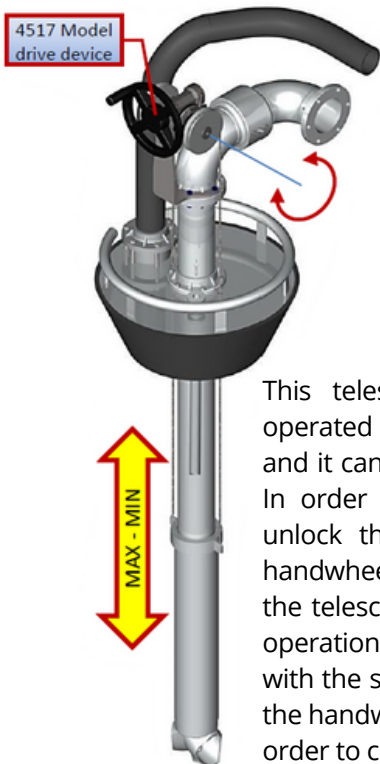
Current safety regulations and increasing demand for Top Loading Arms with vapour recovery systems having the drop tube in contact with the bottom of the tank, has led to the design of a special drop tube driving device in order to reduce splashing. By acting on the driving device, it is possible to control the extension/shortening of the drop tube. This is the right compromise between manoeuvrability and keeping in contact with the tank bottom. This driving device works with a handwheel that rolls the two cables into coils and controls the length of the telescopic drop tube. It is available with manual or pneumatic operation.



## Model 4418 Telescopic Drop Tube

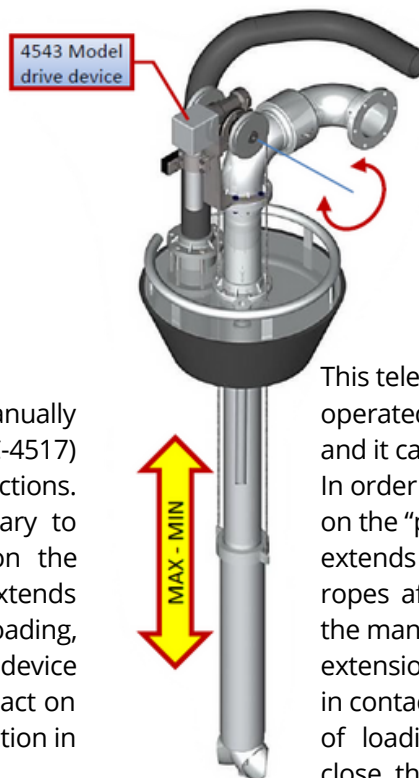
The telescopic drop tube is a special vertical tube installed on Top Loading Arms with vapour recovery system, with adjustable length device. This device makes it possible to extend/shorten the drop tube. This is a good compromise between easy manoeuvrability and the necessity to touch the bottom of the tank, in order to guarantee a continuous conductive patch.

### Manual device with handwheel (C-4517)



This telescopic drop tube is manually operated by a handwheel device (C-4517) and it can be realized with 2 or 3 sections. In order to extend it, it is necessary to unlock the stop lever, then act on the handwheel that, through 2 ropes, extends the telescopic tube. At the end of loading operations and after locking the device with the stop lever, it is sufficient to act on the handwheel on the opposite direction in order to close the telescopic tube.

### Pneumatic device with engine (C-4543)



This telescopic drop tube is pneumatically operated by a pneumatic engine (C-4543) and it can be realized with 2 or 3 sections. In order to extend it, it is necessary to act on the "press-down" push button which extends the telescopic drop tube by 2 ropes after the cone gets in contact with the manhole. A microswitch stops the extension when the end of the drop tube is in contact with the tank bottom. At the end of loading operations, it is sufficient to close the telescopic drop tube acting on the "up" push button.