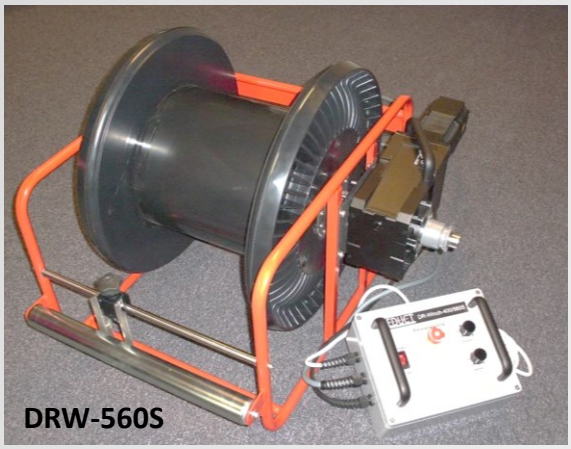
REDUCT Variable Torque Electric Winch



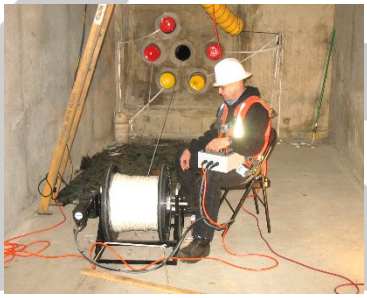
Reduct manufactures highly sophisticated pipeline mapping tools that, for lengths up to 1.500m/5,000', most often are pulled through pipeline infrastructure. Most challenges during this process are of operational nature and in particular the abiltity to pull the probe at a fairly high and constant speed.

The DRW-560S high speed winch is specifically designed to optimize the handling of Reduct mapping tools or any other item that needs to be pulled through a pipe. Its modular design, compact size and low weight makes the DRW-560S winch the most powerful and efficient in its class.

Technical Specifications	110V	230V
Frame Size [l x w x h]	70x55x45cm 28x22x18"	
Drum external diameter	56cm / 22"	
Drum internal width	37cm / 15"	
Drum capacity [Ø5mm rope]	1,500m / 5,000ft	
Drum capacity [Muletape® WP1250]	2,500m / 8,300ft	
Power supply	110V	230V
Nominal Mains Power [W]	800	1600
Maximum Mains Power [W]	1800	3600
Pulling speed per second [empty-full drum]	1-2m / 3-6ft	2-4m / 6-12ft
Nominal Pulling Force [empty-full drum]	70-40 kg / 155-90 lb	
Maximum Pulling Force [empty-full drum]	120-60 kg / 530-310 lb	
Cable winding mechanism	Manual	
Total weight [excl. rope]	55 kg / 115 lb	

DRW-560S specifications:

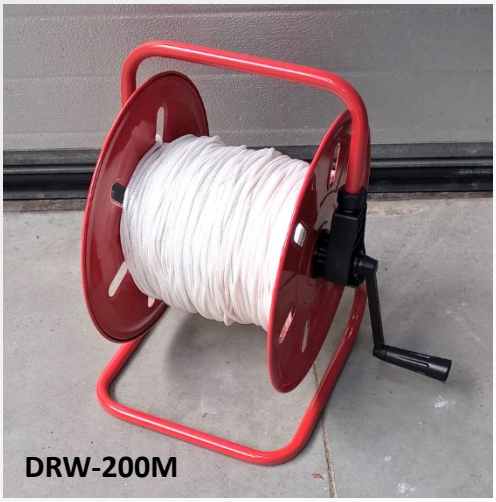
- Steel tube frame
- Manual rope guide
- Enforced ABS plastic spool
- All weather axle bearings
- 110-230V Lenze Servo motor/gear box
- Water resistant control box containing:
  - Torque lever (continuous)
  - Speed lever (0-3m/sec)
  - Emergency stop

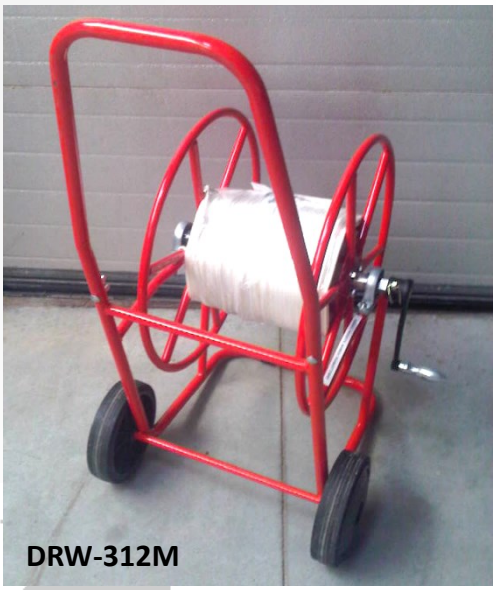


Manual Winches

Reduct mapping tools are light weight and therefor require little force when pulled through a pipe. For pipe segments up to 300m/900’ in length it is usually far more time-efficient and practical to use a manual winch rather than an electrical winch or other pulling or propulsion method. In addition, manual winches can be easy carried to remote locations that are hard to reach by a van. A mapping crew can commence the data logging process within minutes of arrival on site, thus increasing the daily productivity.

Reduct offers two basic models; the DRW-200M for pipe segments up to 200m/600’ and the DRW-312M for pipe lengths up to 300m/900’. The compact sizes of the manual winches makes them particulaly easy to transport.


DRW-200M


DRW-312M