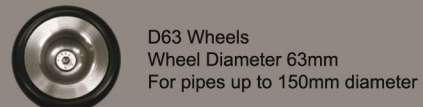## Crawler Accessories

Auxiliary Wheels Options (FWL-100)

D63 Wheels
Wheel Diameter 63mm
For pipes up to 150mm diameter

D97 Wheels
Wheel Diameter 97
For pipes up to 200mm diameter

D100 Wheels
Wheel Diameter 100
Special wheels for metal grit surface
enabling greater traction

D117 Wheels
Wheel Diameter 117mm
For pipes up to 300mm diameter

Auxiliary Wheels Options (FWL-150)

D160 Wheels
Wheel Diameter 160mm
For pipes up to 300mm diameter

D215 Wheels
Wheel Diameter 215mm
For pipes up to 600mm diameter

Auxiliary Wheels Casing

Tripod for MSE-500

Rear Camera
Allows rear camera vision when installed
Useful for bends when reversing

ZBL-500
Powerful auxiliary light for both
FWL-100 and FWL-150
Mountable on Camera Elevator

Camera Elevator for FWL-100
Progressive mechanical camera elevator
Elevates up to 300mm
Works with ZBL-500 Aux light

Lift Hook
Built to unhook upon crawler movement
Enables lowering of crawler safely

Cable Guide
Smoothens cable movement over
sharp corners
Attachable after deployment of Crawler

Location Sender (33 or 512 kHz)
Location beacon for locating Crawler location
in the pipe network
Option of 33 or 512 kHz
Works with both FWL-100 and FWL-150

Modular Architecture

RIEZLER's unique modular architecture allows users to easily configure the crawler to meet task- and terrain-specific requirements from its wide range of modular camera heads, crawlers, cable reels and accessories.

The modular platform further allows the same camera heads, cable reels and control unit to be deployed in the RIEZLER Push Camera System making it a true multi-functional camera system.

RiEZLER
Inspektionssysteme GmbH & Co. KG

The RIEZLER Crawler System is a solid and robust, steerable camera crawler designed for the visual inspection of pipelines and terrains over long distances. With its powerful twin BLDC engines, the crawler is extremely responsive and maneuverable over the most rugged pipeline networks.

Its unique modular architecture makes the RIEZLER Crawler an extremely versatile system. The crawler can be easily configured based on task- and terrain-specific requirements to operate in diverse inspection environments.

RIEZLER

Camera Heads

	RIK-5570	**RSK-60100**	**RSK-78110**
Features	Axial View Camera	Pan & Tilt Camera	Pan & Tilt Camera
	480 lines High Resolution Color camera module	420 lines High Resolution Color camera module	480 lines High Resolution Color camera module
	Applicable to areas of DN 70 - DN 400	Applicable to areas of DN 70 - DN 400	Applicable to areas of DN 100 - DN 400
	Waterproofing up to 5 bar	Waterproofing up to 5 bar	Waterproofing up to 5 bar
	Automatic Horizon Compensation	Automatic Horizon Compensation	Automatic Horizon Compensation
		Parallel laser allows measurements	

Specifications			
Swivel Range	Nil	±115°	±110°
LEDS	12 LEDs	18 LEDs	18 LEDs
Field of View (FOV)	97°	68°	97°
Focus	Fix Focus (5m - ∞)	Electronically Controlled (1cm - ∞)	Electronically Controlled (1cm - ∞)
Material	Stainless Steel	Aluminium Stainless Steel	Aluminium Stainless Steel
Dimensions	55mm dia; 70mm length	60mm dia; 100mm length	78mm dia; 110mm length
Weight	0.55 kg	0.68 kg	0.95 kg

Crawlers

	FWL-100	**FWL-150**
Features	Integrated Inclination Sensors (Longitudinal / Lateral Axis)	Integrated Inclination Sensors (Longitudinal / Lateral Axis)
	Applicable to areas of DN100 - DN600	Applicable to areas of DN150 - DN1200
	Waterproof up to 1 bar with Internal pressure surveillance	Waterproof up to 1 bar with Internal pressure surveillance
	Return speed monitoring	Return speed monitoring
	Cross-drive steering transmission	Cross-drive steering transmission
	Optional Camera Elevator	Integrated Camera Elevator

Specifications		
No. of Wheels	6 Driven Wheels	8 Driven Wheels
Engine	2x BLDC-engine at 30 Watts	2x BLDC-engine at 50 Watts
Power Supply	Via Control Unit	Via Control Unit
Material	Brass / Stainless Steel	Aluminium / Stainless Steel
Dimensions	240 x 87 x 78 mm	540 x 130 x 120 mm
Weight	6.6 kg	18.5 kg

Cable Drums

	KTM-7X	**KTU-180**	**KTA-250**
Features	25 - 250 metres (user specified)	100 - 180 metres (user specified)	150 - 250 metres (user specified)
	Integrated Digital Meter Counter	Integrated Digital Meter Counter	Integrated Digital Meter Counter
	Kevlar reinforced, Abrasion and acid Resistant cable	Kevlar reinforced, Abrasion and acid Resistant cable	Kevlar reinforced, Abrasion and acid Resistant cable
		Stepless adjustable Traction force	Stepless adjustable Traction force
			Automatic Cable Return Guide

Specifications			
Type	Manual	Semi-Automatic	Automatic
Dimensions	530 x 380 x 520 mm	677 x 289 x 476 mm	880 x 350 x 480 mm
Weight	19 kg (with 150m cable) 26 kg (with 250m cable)	38 kg (with 180m cable)	50 kg (with 250m cable)

MSE 500

Features

- 12" high resolution, high brightness TFT screen with touch function, color display data & touchscreen keyboard.
- Powerful industrial PC with Solid State Hard drive
- Sustainable and expandable system with software updates
- Integrated digital meter counter
- Project and contract management with customizable pre-set text templates
- Dispay of sensor values: (pan and tilt angle, internal pressure and inclination angle with alarm function)
- Inspection report generated as PDF format, with exportable pictures

Specifications	
Interfaces	2x USB 2.0, 1x RJ45 1x video IN, 1x Video OUT
Software	RI VISION
Power Supply	100 - 250 VAC / max. 250 Watt
Dimensions	490 x 380 x 290 mm
Weight	ca. 10kg