



# GORILLA

## Robotic Puller



**CREST**  
ROBOTICS

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## VERSATILE, COMPACT & HIGH STRENGTH ROBOTIC PULLER FOR ENERGY TRANSMISSION

The Gorilla Mk1 Robotic Puller is a versatile, compact and high-strength robotic puller designed for the high-voltage energy transmission sector.

It is used to haul equipment and personnel between towers in single spans. It has a market leading pull strength of 280 kg up a 30° slope, whilst also being the lightest product on the market at 29kg.

The gorilla can be paired with up to two remotes for extended range and safe operation both on the line and the ground.

The Gorilla is the only product on the market that can traverse spacers on dual conductor line. It uses an intelligent 'model-based' control algorithm to optimise line clamping pressure resulting in an unprecedented operational range of 20kms\*.

Three camera feeds (forward, backward, down) give operators superior operational awareness, whilst the lightweight design ensures workers are safe during installation and removal.

The gorilla is the only product with a high enough load capacity to assist in line rescue operations and has an intelligent braking and recovery modes.

Designed, assembled and tested in Australia. Need **customisation**? Just Ask! We are happy to modify any aspect of the system to your requirements.

**20% reduced labour**

**50% less time at heights**



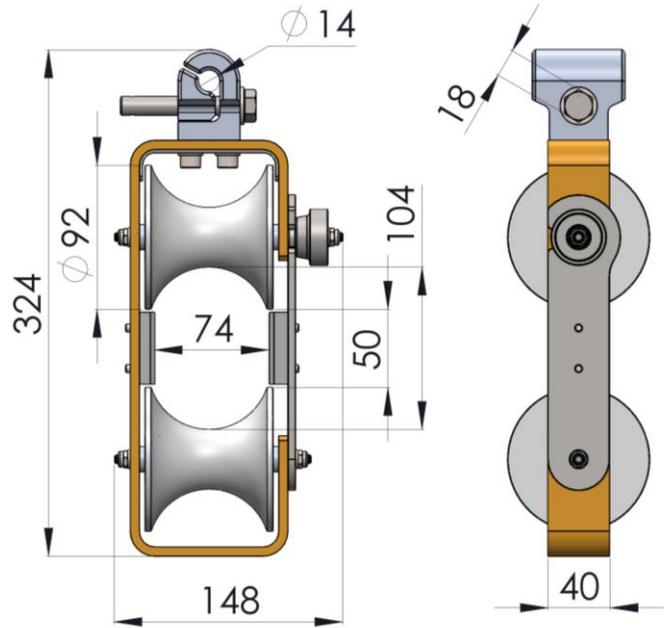
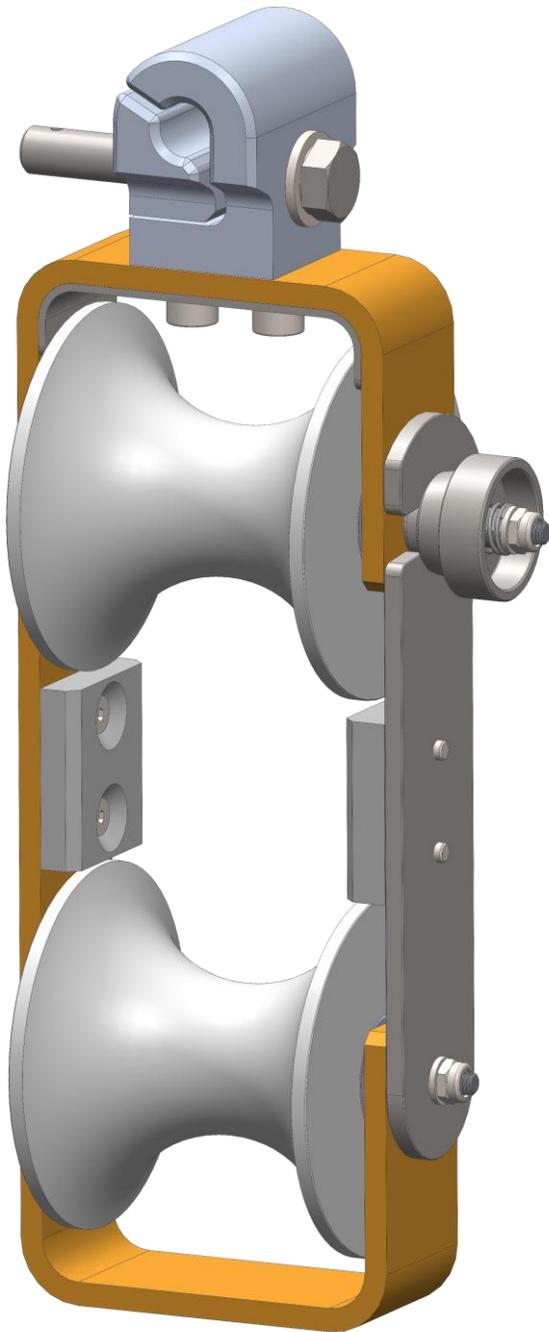
## Built to the Highest Quality & Unsurpassed Reliability

Gorilla Mk1 Robotic Puller Specifications	
Max. Continuous Pull Force	1.5kN
Max. Intermittent Pull Force	2.5kN
Max. Slope - With 280kg payload - Unloaded	30 degrees 90 degrees (vertical)
Pull speed - Unloaded - Fully loaded	44 m/min 20 m/min
Weight	29kg
Conductor size	8 – 36 mm
Traversability	Dual conductor spacers Mid-space joints
Drive type	Four-wheel drive
Control type	Model-based adaptive control with intelligent line clamping
Battery type	Built-in rechargeable lithium-ion
Battery voltage	44.4V (nominal)
Battery capacity	888 Wh
Battery range* - Unloaded - Fully loaded	20,000 m 2,000 m
Max. charge current	4A
Remote range (line of sight)	2 km
Cameras	3 onboard cameras - Forward - Reverse - Downfacing

\*Battery range is highly dependent on pull load

## Accessories – Dual-Roller Cradle Block

P/N: CRBD2



- Lightweight construction
- Suitable for midspan joints
- Spring-loaded gate latch
- Long-life sealed bearings
- 3 x Factor of Safety

### Performance

Working Load Limit (kN)	2
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### Characteristics

Weight (kg)	1.83
Roller/slider material	Nylon
Frame material	Aluminum (5000 Series)
Gate material	Stainless Steel 304

Customisation available!