



# CHAIRLIFTS

- Ergonomic design for ease of maintenance
- Ideal personnel transportation in long haulages, steep declines & inclines
- Unique safety features include:
  - Rope slip sensor
  - Passenger override sensor
  - Fail safe brake sensor
  - Intelligent pull key system



**Becker Mining South Africa responds to difficult mining conditions with cutting edge technology in underground transport systems.**

**Our goal is to offer the highest standard in terms of safety and efficiency and to supply transportation solutions in all underground mining applications.**

**Becker's sophisticated system have been tried and tested across the industry – from individual small transport applications to complete turnkey operations.**

Our services extend from consulting, design, engineering and component supply to assembly, comprehensive training and a flexible after – sales services – and, to guarantee optimum technology and economic results, we have established co operation with most reliable and internationally recognised manufacturers and partners.

In underground sites with steep inclines, long haulages and a large number of workers, man riding has become a highly important necessity, largely due to improved safety regulations, ergonomic comfort and cost-savings.

Chairlifts systems are ideal whenever personnel have to be hauled efficiently, rapidly and safely in inclines and declines.

Two standards are available:

- Friction rope grips suitable for gradients less than 13 degrees.
- Fixed rope grips suitable for gradients more than 13 degrees.

## FEATURES

### DRIVE UNIT

- Ergonomic design for ease of maintenance.
- Geometric precision for maximum use of balance and design strength.
- Three sizes available for interchange ability:
  - 22kw - 37kw
  - 45kw - 75kw
  - 90kw - 132kw
- Supplied with becorit inserts for enhanced friction capabilities.

### RETURN UNIT AND TENSIONING ARRANGEMENT

- Return wheel is supplied with polyamid inserts for quick release of rope spin.
- Ergonomic design for ease of maintenance.
- Geometric precision for maximum use of balance and design strength.
- Galvanised for corrosion protection.
- Streamlined design.



- Hydraulic applied spring released brakes on the drive wheel brake path.
- Secondary and primary brakes are capable of holding entire out of balance load.
- Galvanised for corrosion protection.
- Streamlined design.
- Working platform can be attached to upper frame.

- Drive unit is equipped with a VSD or a soft start.
- The fail safe brake is spring applied and hydraulically released.
- The chairlift can also be used to transport injured workers.



## SPECIFICATIONS

The system features a simple structure, ease of maintenance, wide application, greater safety and improved efficiency.

Length of installation	Up to 2000m
Inclination	0 - 45 Degrees
Personnel per hour	Up to 900
Drive power	22kw - 132kw
Drive speed	1.5m/sec - 3m/sec
Sheave wheel diameter	900, 1200, 1500, 1800mm
Tensioner	Gravity or hydraulic



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