

# SIEMAG TECBERG



TECHNICAL INFORMATION

## MOBILE SHAFT WINCH

(FOR INSPECTION, AUXILIARY, AND RESCUE OPERATIONS)

## TECHNICAL INFORMATION

# MOBILE SHAFT WINCH

The mobile shaft winch was designed as an inspection installation for hoisting shafts and as an emergency transport installation for the rescue of personnel in compliance with the relevant rules and regulations applied in the mining and vehicle construction industries of the customer's country. It is approved by the Mining Authorities and by the motor vehicles regulations as well.

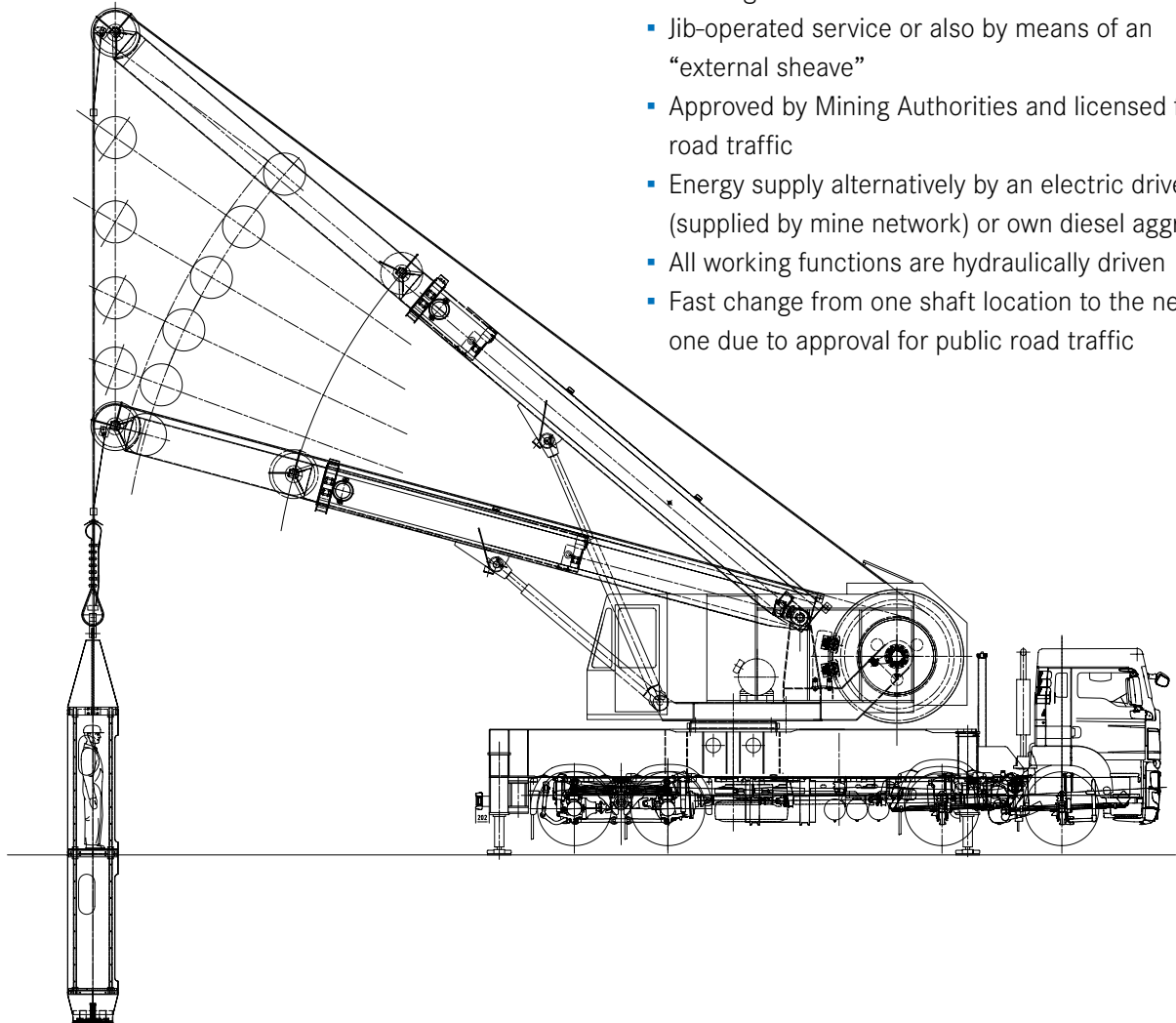
Similarly to a mobile crane, the winch is moved in front of the shaft and the telescopic jib is positioned hydraulically.

Apart from the use of the jib, the hoisting rope of the winch can equally be operated by means of an external deflection sheave (which is a separate operating mode). Telephone contact between the personnel in the conveyance and the winch operator is assured by means of a cable which is set in the core of the hoisting rope. The winch may either be operated from the cabin installed on the rotating running gear or by a portable control panel placed directly at the shaft collar.



All equipment is arranged on a base frame which in turn is mounted on a four-axle truck which is specially approved for road traffic.

- Universal application possibilities in all shaft-hoisting installations
- Jib-operated service or also by means of an “external sheave”
- Approved by Mining Authorities and licensed for road traffic
- Energy supply alternatively by an electric drive (supplied by mine network) or own diesel aggregate
- All working functions are hydraulically driven
- Fast change from one shaft location to the next one due to approval for public road traffic



#### TECHNICAL DATA (METRIC DIMENSIONS)

Shaft depth	max. 1,300 m
Rope load	max. 50 kN
Load suspended (cage incl. payload) depending on depth	2.0 to 3.5 t
Rope diameter	24 mm
No. of rope windings on drum	max. 14
Hoisting speed (adjustable)	0 - 1 m/s
Jib radius (from slewing ring center)	9.65 m
Jib height working position	max. 12.6 m
Vehicle:	MAN truck (4-axle)
Total weight permissible	35 to 38 t
Travelling speed	max. 80 km/h





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