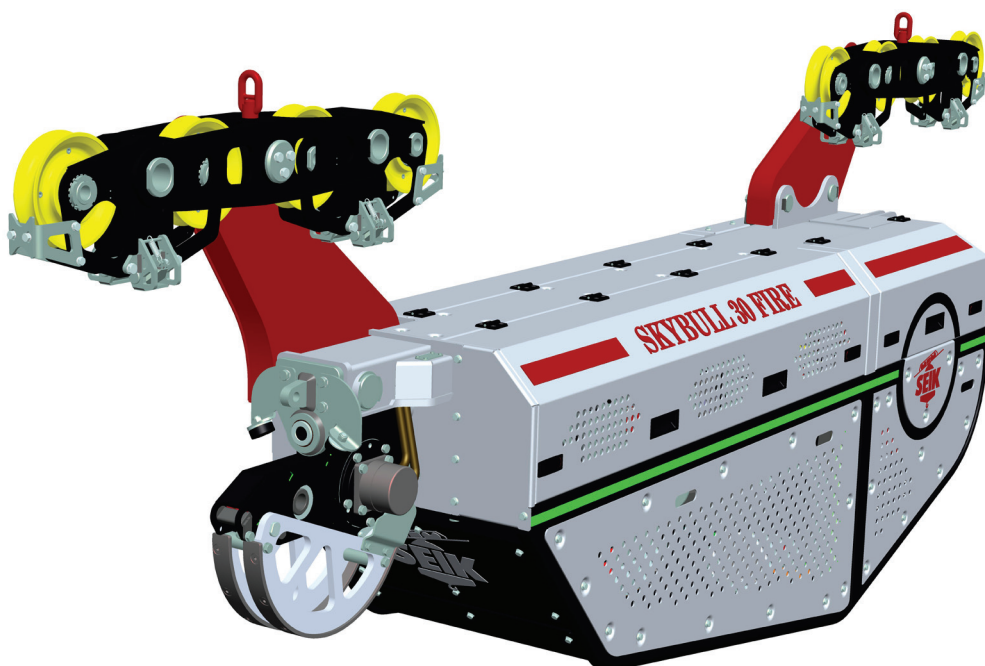


# SKYBULL 30 FIRE



The system consists of a light-duty diesel engine, which drives the hydrostatic drive of the hoisting cable winch. The hoisting cable winch is equipped with two passively acting, independent braking systems. In order to guarantee a good winding behaviour of the hoisting cable, the cable lead role at the limit switch is equipped with an inlet brake, or as an option, with a cable ejection. The carriage and all functions of the Skybull 30 can be operated by remote control. A display on the remote provides complete information about the carriage.

On the contrary to the conventional system the Skybull 30 can move the load completely independent of the movements of the carriage on the suspension cable driven by an own winch. For example it is possible to have the carriage travelling on the suspension cable and at the same time lift or lower the load on the hoisting cable. This leads to a higher precision during moving the load, and saves time during work. Furthermore, this system allows an independent positioning of the traction cable winch (downhill or uphill); this system can also easily cover longer distances. This feature is for conventional systems very difficult or even impossible.

The Skybull 30 can also be connected with the support carriage Skybull 30 NL. In this configuration the operator can use two independent operating hoisting winches. This increases the payload and also allows the horizontal transport of very long loads.

Due to the various equipment options offered by SEIK, the carriage can of course also be used on existing long-haul or tilt-tower systems.

MAIN FACTS	
Weight Skybull 30 Fire	1200 kg
<b>Motor</b>	
Principle	Turbodiesel
Performance	55 kW - 75HP
Cylinders	4
Cubic capacity	1298 cm <sup>3</sup>
Fuel tank	30 l
<b>Load</b>	
Payload single traction	30 kN
Payload double traction (with balance beam)	60 kN
Speed of hoisting cable	0-4 m/sec
<b>Hoisting cable</b>	
Diameter	12 mm
Max. length	170 m
Minimum protection degree for control electronics	IP65

Skybull 30 contains a number of innovative technologies developed especially for use under the most difficult conditions. This includes a dry sump lubrication ensuring a failure-free operation of the motor even at very steep gradients.

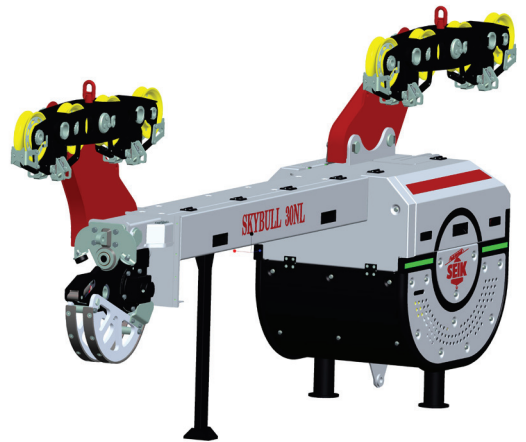
For any additional information please do not hesitate to contact the experts of SEIK.

## Thanks to a custom made solution suitable for any system

- The safety of the load is ensured by a double brake system with a service brake at the inlet of the cable drum, and a disc brake on the cable drum axis.
- The winding behaviour of the hoisting cable is ensured by an inlet brake or by the **hydraulic rope ejection**. Thanks to the cable ejection the carriage can also be equipped with ropes made of textile fibres.
- Detection of the position of the load hook by encoders and sensors giving signal, if cable drum is full or empty, or if the cable has been wound in the wrong way by mistake.
- Removable links ensure that the Skybull 30 can be adapted to any suspension system.
- The carriage can also be equipped with a travelling gear with suitable pulleys having a special derailing protection for supporting cable shoes of SEIK, Koller or Wyssen
- The carriage can also be equipped with a **balance beam** for double traction and a **load limitation**. This is useful for construction sites.
- Installation of a „**LUDWIG CHOKER**“ operated by the remote control of the Skybull 30 without requirement of an additional remote.
- Use of the support carriage **Skybull 30 NL** with a hoisting capacity of totally 6t (12t). This allows horizontal transport of long loads avoiding damage of the landscape under the track.
- Option **X-power**: Pressing a single button increases tensile force for 10 seconds.



*Skybull 30 adapted for use on construction sites*



*Skybull 30 NL*



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