



# GRAPNER<sup>®</sup>

The digging grab with variable geometry

**Unsurpassed and  
without equivalent**



**The performance  
choice with an  
innovative grab**

**European Patent  
Nr 0256304**

**Industrial Design Price  
and Gold Medal**  
*at the International Inventions Exhibition Geneva*  
1995



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## Use a revolutionary geometry for rentability and efficiency

- **Faster**
- **Rational**
- **Cost efficient**

The **GRAPNER**<sup>®</sup> digging grab differentiates itself from classic clamshell grabs with a system of moving articulations and with buckets that work together or separately.

The efficiency is higher, because of the possibility to work on one plane in both opening and closing directions of the buckets.

The buckets open and close on moving articulations, this mechanism gives the digging grab unsurpassed penetrating capabilities in all type of terrains, including the hardest.

Its geometry adapts itself automatically to the different working conditions and the buckets hold the grabbed objects optimally.

The **GRAPNER**<sup>®</sup> digging grab is equipped with a moving ejector to scrape off materials that might stick to the buckets (clay, wet soil, etc.).

The **GRAPNER**<sup>®</sup> does not require any additional hydraulic hose compared to the regular equipment of hydraulic lifting cranes.

The materials used in the construction of the **GRAPNER**<sup>®</sup> are of high quality. They are special steels resisting to rock abrasion and wear.

The **GRAPNER**<sup>®</sup> as produced and patented currently is engineered to be mounted on a mobile crane mounted on a truck. (Min. crane capacity : 10 to.m).

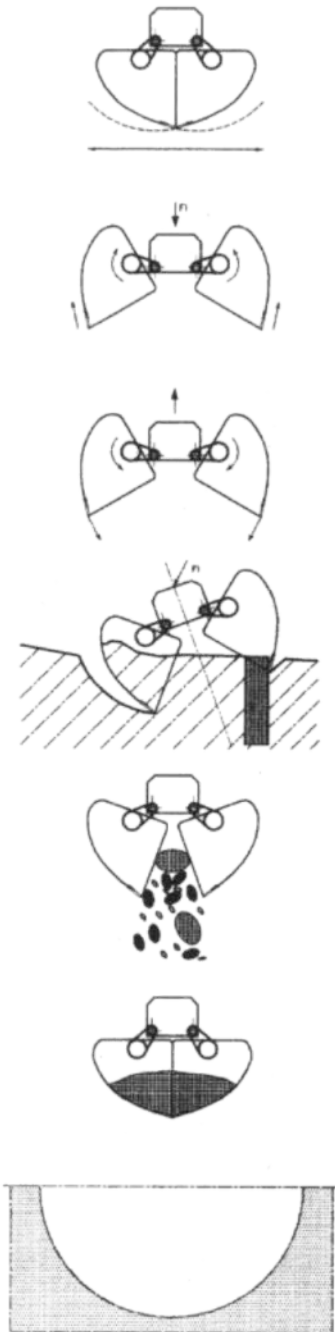
The **GRAPNER**<sup>®</sup> digging grab offers the user the following capabilities:

- Usage for all usual jobs with a major gain on working time, which can reach 50 to 70%.
- Excavations in hard terrain with minimal loads on the crane. This enables a major reduction in maintenance costs and increases durability of the crane.
- Excavation of cylindrical holes. The width of the excavation is constant, and can even be increased at the bottom to facilitate tubing and introduction of cylinders.
- Planing, and landscaping with added precision compared to a classical grab. Horizontal stability is constant.
- Usage in destruction work, loading and discharging trucks without damages.
- Fast and precise work in maintenance of subterranean piping (gas, water, cabling).
- Rock handling without additional chains and personnel, the rocks being safely handled by the buckets moving on 2 axes.

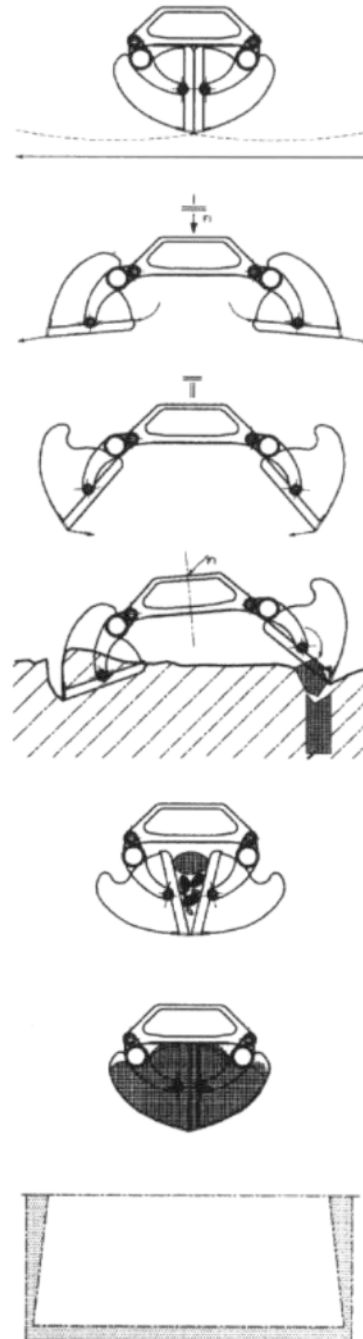
## The advantages of the **GRAPNER**<sup>®</sup> digging grab

The comparative drawings show some of the advantages of the **GRAPNER**<sup>®</sup> compared to classical clamshell grabs.

### Conventional grabs



### **GRAPNER**<sup>®</sup> digging grab



The **GRAPNER**<sup>®</sup> digging grab is currently available in one size (350 litres) which has shown itself to be optimal for most applications.

Your **GRAPNER** specialist:

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