



**TERRA-HAMMER TR 220**

**Steel Pipe Ramming Systems  
Setting New Standards!  
Reliable. Powerful. Long life span.**

Swiss made



# TERRA-HAMMER TR 220

Compact design with high impact force



## RAM HEAD

The ram head with 2 ram cones allows steel pipe ramming from  $\varnothing$  100 mm. An optional pulling eye maybe assembled.

## END CAP

The body is thicker at the end front and rare part to increase the lifetime. The simple hose connection allows quick hose changing.

## STEEL PIPE RAMMING APPLICATIONS

The TR 220 rams steel pipes up to  $\varnothing$  100 – 600 mm over lengths of 60 m. Vertical or horizontal application possible.

## Technical Data

|                             |               |                     |
|-----------------------------|---------------|---------------------|
| Diameter                    | 220           | mm                  |
| Length                      | 1.60          | m                   |
| Total weight                | 315 (100 %)   | kg                  |
| Main piston weight          | 121 kg (38 %) | kg                  |
| Warranty on the main piston | 3             | years               |
| Frequency                   | 320           | 1/min               |
| Air consumption             | 7.0           | m <sup>3</sup> /min |
| Pressure                    | 6 – 7         | bar                 |
| Theoretical impact energy   | 4'400         | Nm                  |
| Real impact energy          | 1'100         | Nm                  |
| Ramming energy              | 320'000       | Nm/min              |
| Ramming force               | 370           | to                  |

All data depending on ground conditions. Technical specifications can be changed without prior notice.

## Steel pipe ramming with the TERRA steel giants!



### TERRA OILER AND SPECIAL OIL

The synthetic HD oil with high viscosity and additives operates down to -25 °C (antifreeze) and ensures a long lifetime of your TERRA-Ram. The oil is biodegradable.



### TENSIONING ACCESSORIES

During the launching procedure tensioning accessories ensure the tensioning of the TERRA-Ram against the steel pipe.



### RAM RINGS / RAM PLATES

TERRA ram rings transfer the ramming energy of the TERRA-Ram into the steel pipe. All TERRA ram rings have an outer cone and a pipe stop to transfer 100 % of the energy.



### CUSTOMER SERVICE

Satisfied clients worldwide and a great customer service are the result of our constant progress. The TERRA-HAMMER ram is a must have for every contractor!