

# Pentruder®

## Pentruder 3P8 - HF-wire saw

### Leight weight modules

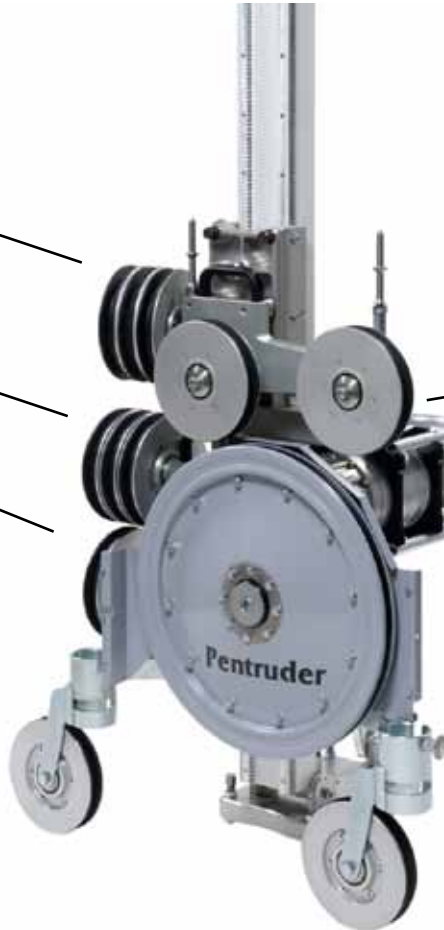


### Big storage capacity

### Optimal force transmission to the wire



**Pentpak 427 HF-power pack with Pentrunder autofeed system**



### Practical and safe guards



### Easy start of wire

### Super strong

### Robust connectors



### High performance - Reliability - Easy handling

- The Pentrunder 3P8 wire saw combines low weight with extra ordinary performance and is suitable for both small and very big jobs.
- Recommended to use with the 18 or 22 kW HF-motor or a hydraulic motor.
- The set up is quick and easy thanks to the modular build up. Mostly a direct cut without extra satellite pulleys is possible. No wire saw module weighs more than 25 kg.
- The start of the wire is very easy thanks to the electrical automatic feed and high power of the drive motor.
- The automatic feed makes is very easy to run the saw and it also extends the lifetime of the wire.
- The storage capacity up to 20 meters depending on what combination of columns is used.
- Optimal force transmission thanks to Ø 500 mm main drive pulley . The wire wraps around the main drive pulley over 270°, which gives superb traction.

# Technical data

## Pentrunder 3P8 wire saw

### Power

Drive motor: 400 Hz High Frequency Motor  
Max continuous output power: 18 kW

### Storage

Storage in rollers: 6.5 meters  
Storage capacity: 8 meters per m stroke of the carriage  
Maximum approximately 20 m.

### Pulleys

Main drive pulley Ø: 500 mm (20")  
Storage pulleys Ø: 198 mm O.D.

### Wire

Wire Ø: 8-10 mm (5/16" – 1/2")

## Pentpak 427 HF-power pack

Input Voltage: 380-480 V  
Input frequency: 50 - 60 Hz  
Continuous output power: 18 kW (with 3P8 wire saw and 22 kW HF-motor)

Minimum fuse: 16 Amp  
(the "demanded" power output might need to be reduced on the remote control.)

Recommended fuse: 40 Amp  
Current draw at max. output: 56 Amp  
Rec. generator capacity: 45 kVA  
Weight: 26 kg

Tractive AB reserves the right to change technical data without previous notice.

## Rig

### Rig for wire saw with MCCS (saw track)

BTS3/BTS4 Base plate: 5.8 / 6.6 kg, 220 x 320 m  
TS Track: 0.85 / 1.15 / 2 / 2.3 / 3.45 m: 6.95 kg/m  
TSS300 Joint block, TSP1 Track stop: 2.3 kg / 0.7 kg  
Carriage gliding, 1 x CEG-M25 manual feed:  
1 x CEG-3P8 auto feed: 6.3 kg, 8.1 kg

### Rig for wire saw with 70 mm column system:

BE1 Base plate, fixed: 18 kg  
CN Columns 0.5 / 1.2 / 1.5 / 2 m: 6.8 / 12.1 / 14.5 / 14.5 kg  
CE1 Carriage for 70 mm columns x 2: 9.5 kg  
PT-3P8 Electric feed unit: 4.0 kg  
FE1 Friction brake: 0.5 kg

## Modules

### Wire saw modules:

3P8-DP-HF Drive pulley, electric: 13.9 kg  
3P8-UA Upper assembly: 14.9 kg  
3P8-LA Lower assembly: 19.7 + 12.7 kg

### Guard:

3P8-DPG Guard, door main drive pulley: 5.0 kg  
3P8-TG Guard, storage pulleys: 9.3 kg  
3P8-LMG Guard, top pulleys: 10.3 kg  
3P8-SSG Guard, slack side channel: 6.5 kg

### Accessories

Satellite pulley, universal, 2-link  
WSP2-90, 90° / WSP2-180, 180°: 18.0 kg  
WSP1-F Satellite pulley, single: 2.6 kg



## System

The same HF-motor which is used for wall sawing is used for wire sawing with the Pentrunder 3P8. We recommend the 22 kW HF-motor but the 18 and 27 kW HF-motors can also be used.

Thanks to our digital communication system it is possible to use the same HF-motor, Pentpak 427 (or Pentpak 422 or Pentpak 418(SL)), cables and remote controls not only for wire sawing but also for wall sawing and drilling. Pentrunder MCCS is a truly modular system based on the wall saw track. The track is used both for the wire saw rig and for the drill rig, as well as for other more special set ups.

As an option the wire saw rig and drill rig can also be built with the 70 mm column system, see Rig.

Be sure to check out the other modules in the **Pentrunder Modular Concrete Cutting System!**

# Pentrunder<sup>®</sup>

by **TRACTIVE**

Tractive AB, Gjutargatan 54, 78170 Borlänge, Sweden  
Tel: +46 (0)243 221155, Fax: +46 (0)243 221180  
E-mail: info@tractive.se, www.pentrunder.com