

Task:

In road construction and paving, string line pins are used to mark heights for levelling the ground or for installation of kerbing and paving materials. The pins are driven into the ground by a sledge hammer. Especially during kerb installation, these pins are sometimes buried in lean concrete which cures out before the pins can be removed.

In this case it can be extremely hard to pull out the pins again. Until now, pins are extracted manually with a high risk of injury, sometimes using gas pipe pliers and a hammer or similar. In many cases the pins are bent, so a lot of time has to be spent to straighten them out again for re-use.

Solution:



Pin Extractor ENZ is simply put over the top end of the pin



When lifted up, the V-shaped clamping system locks to the pin. Now pulling and turning movements to loosen the pin, can be executed without any real physical effort



The tool also works when the pin is only sticking out a few centimetres of the ground

Type	Suitable for Diameter mm (inch)	Dead Weight kg (lbs)	Order-No.
ENZ	10 – 30 ($\frac{1}{4}$ – 1 $\frac{1}{4}$)	0,8 (2)	5180.0038

Advantages:

The pulling process with pliers and hammer or with excavator and slings, sometimes requires two people, this is generally time consuming and often ends in an accident. It is very important that the ENZ not only allows pulling action, but also allows turning movements at a same time in order to loosen and extract the pin step by step.

To achieve this, the tool is equipped with very hard teeth to transfer the pulling and the turning actions to the pin. The ENZ really bites into the steel pin. Without tool solid stuck pins can only be extracted by bending them being able to execute turning actions by means of leverage effect.

Simply the straightening of 50 bent pins costs more than the Pin Extractor ENZ itself !