

CHAIN CUTTERS (ERKATOR)

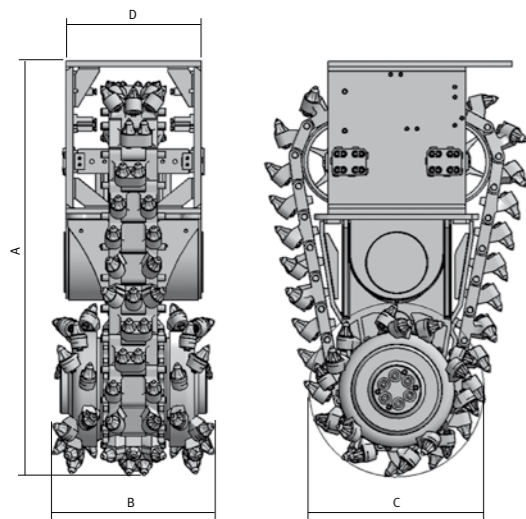
Patented cutting methods – Chain cutting attachments

The Erkator is the first chain cutter of its type on the market. Designed for use on excavators from 25 to 45 tons, it can work in stone with a uniaxial compressive strength up to 80 MPa. Narrow and deep trenches, from 800 mm wide can be excavated efficiently, accurately and with minimum vibration.

The chain cutter could also be used for the removal of soft to medium hard material, with hardness from 15 to 60 MPa, where drilling and blasting is not allowed.

With the chain cutter, the trench does not have to be wider than absolutely necessary. The chain, driven by the cutter heads, ensures that all material is cut along the total width of the chain cutter. With traditional drum cutters, it is always necessary to have sideways movement to break out the material from between the cutter heads, resulting in trenches wider than the width of the cutter head.

Reducing the trench width saves money by reducing the amount of material cut and associated transport costs. The cut material is fine grained and can be used as back fill.



TECHNICAL DATA	Units	EK 800
Length of drum cutter (A)	mm	2,050
Width of standard cutting head (B)	mm	800
Diameter of standard cutting head (C)	mm	850
Width of gear box (D)	mm	700
Recommended rotation speed	rpm	70
Recommended oil flow at 150 bar	l/min	300
Maximum oil flow	l/min	420
Maximum operating oil pressure	bar	350
Torque at 350 bar	Nm	24,000
Cutting force at 350 bar	N	56,500
Weight	kg	3,150
Rated power	kW	140
Recommended excavator weight	t	25 - 40
Number of picks on cutter drums	Pcs	30
Number of picks on cutter chain	Pcs	63
Standard pick ¹⁾	Type	ER 17/75/70/30 Q

1) An overview of standard picks is on page 39. Cutter drums can be supplied with picks for special applications as required – see Cutter Tool Catalogue.



- + protected under patent numbers DE 10 2008 041 and EP 2324158
- + alternative cutter head widths available
- + fine grained cuttings
- + minimum excavator movements required during operation, reduces wear on the excavator
- + low noise and vibration levels
- + can work under water without problem

