

LONGITUDINAL DRUM CUTTERS

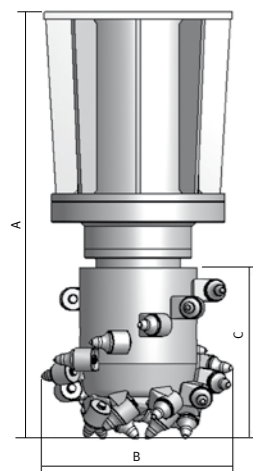
For excavators with weight from 3 to 40 tons

Typical applications for **erkat** longitudinal drum cutters include trenching, accurate excavation of special shaped excavations, slag removal in steel mills, cleaning pile tops and soil mixing.

erkat longitudinal drum cutters are designed to be mounted on hydraulic excavators from 3 to a maximum of 40 tons and are available in 6 different sizes.

Longitudinal drum cutters are driven by a powerful radial piston motor creating extremely high cutting forces. The robust cutter drums together with their secure fixing method enable them to operate in the most demanding conditions. Consoles can be supplied with different lengths to suit a variety of applications.

By exchanging the cutter head, the **erkat** longitudinal drum cutter can easily be converted into a robust ADU auger drive unit for vertical and horizontal holes.



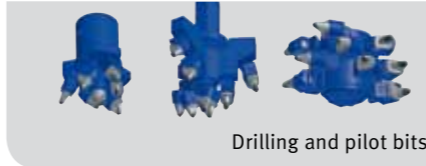
+ Conversion to an ADU auger drive unit possible



Cutter drive and adaptor



Augers



Drilling and pilot bits

- + robust and powerful drive
- + variable length consoles available
- + secure cutter head fixture
- + oversized, long-lasting cutter head bearings
- + robust and long-lasting cutter heads
- + diameter of cutting heads in bigger sizes on request



TECHNICAL DATA	Units	ER 100 L	ER 250 L	ER 400 L	ER 450 L	ER 600 L	ER 1500 L
Length of drum cutter (A)	mm	810	1,130	1,130	1,160	1,340	1,440
Optional length of drum cutter (A)	mm	-	1,430	1,430	1,460	-	-
Diameter of standard cutting head (B)	mm	370	400	400	450	535	680
Length of standard cutting head (C)	mm	310	355	355	380	550	590
Recommended rotation speed	rpm	110	90	80	80	80	75
Recommended oil flow	l/min	52 - 62	60 - 85	120 - 150	120 - 150	120 - 150	180 - 300
Maximum oil flow at 10 bar	l/min	90	100	170	170	170	320
Maximum operating oil pressure	bar	350	350	350	350	350	350
Torque at 350 bar	Nm	2,600 - 3,120	3,500 - 5,200	8,700 - 10,400	8,700 - 10,400	8,700 - 10,400	13,600 - 23,400
Cutting force at 350 bar	N	14,000 - 16,900	17,500 - 26,000	43,500 - 51,900	38,500 - 46,200	32,400 - 38,900	40,000 - 68,800
Weight	kg	210	340	365	375	580	1.200
Rated power	kW	30	45	65	65	65	120
Recommended excavator weight	t	3 - 7	8 - 15	12 - 17	12 - 17	15 - 22	20 - 40
Number of picks	Pcs	32	44	44	30	48	44
Standard pick ¹⁾	Type	ER 16/46/38/20 S	ER 12/45/38/20 K	ER 12/45/38/20 K	ER 12/45/38/22 HC	ER 15/46/38/22 S	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.