

TRANSVERSE DRUM CUTTERS

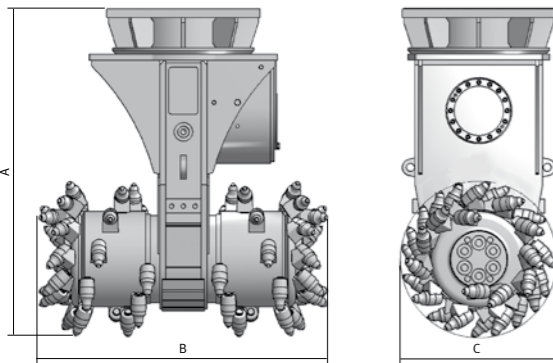
For excavators with weight from 1 to 125 tons

The transverse drum cutter is ideally suited for trenching, tunnelling, special foundation work, demolition and for soil mixing. The operating characteristics of **erkat** special drum cutters allow them to be used in noise and vibration sensitive areas.

The ER range of transverse drum cutters consists of models in ten different sizes.

By changing the cutter drums, **erkat** transverse drum cutters can be easily converted to suit several special applications such as tunnelling, profiling or cutting wood (non-standard models).

- ✦ mechanical 360° rotatable console with standard Atlas Copco hole pattern (except for ER 5500)
- ✦ adaptable hydraulic motors with powerful torque
- ✦ extremely robust spur gears
- ✦ cutter heads mounted on oversized bearings guarantee a long operating and service life
- ✦ heavy duty fasteners guarantee secure fixture of cutter heads
- ✦ large variety of special cutting heads for profiling, mixing and mining as well as wood cutting (non-standard models)



TECHNICAL DATA	Units	ER 50 (ER 50 X)	ER 100 (ER 100 X)	ER 250 (ER 250 X)	ER 600	ER 650	ER 1500 X	ER 1500 XL	ER 2000 (ER 2000 X)	ER 3000	ER 5500
Length of drum cutter (A)	mm	610	805	965	1,130	1,200	1,420	1,420	1,580	1,650	1,970
Width of standard cutting head (B)	mm	480	610 (390)	680 (600)	780	800	880	1,000	1,240 (1,050)	1,330	1,600
Diameter of standard cutting head (C)	mm	225	370	450	575	575	670	670	680	805	920
Recommended rotation speed	rpm	150	110	90	80	85	75	75	65	55	50
Recommended oil flow	l/min	25 - 38	41 - 62	60 - 85	120 - 150	140 - 190	180 - 300	180 - 300	300 - 390	350 - 450	700 - 950
Maximum oil flow at 10 bar	l/min	60	90	100	170	210	320	320	410	500	1,000
Maximum operating oil pressure ¹⁾	bar	350	350	350	350	350	350	350	350	350	350
Torque at 350 bar ¹⁾	Nm	960 - 1,420	2,100 - 3,120	3,500 - 5,200	8,700 - 10,400	9,400 - 14,000	13,600 - 23,400	13,600 - 23,400	22,300 - 33,500	31,200 - 46,900	74,300 - 109,100
Cutting force at 350 bar	N	8,500 - 12,600	12,000 - 17,800	15,600 - 23,200 (17,500 - 26,000)	30,200 - 36,200	32,700 - 48,700	40,600 - 69,900	40,600 - 69,900	65,600 - 98,500	77,500 - 116,500	161,600 - 237,200
Weight	kg	140 (130)	310 (290)	470 (450)	820	1,000	1,750	1,850	2,600 (2,500)	3,500	6,000
Rated power	kW	18	30	45	65	80	120	120	160	200	400
Recommended excavator weight	t	1 - 3	3 - 7	8 - 15	10 - 18	15 - 25	20 - 40	20 - 40	35 - 50	50 - 70	70 - 125
Number of picks	Pcs	60 (40)	64 (44)	44	48	48	44	48	56	64	68
Standard pick ²⁾	Type	ER 11/28/24/12	ER 12/45/38/20 K	ER 12/45/38/22 HC (ER 12/45/38/20 K)	ER 17/64/60/25 Q	ER 17/64/60/25 Q	ER 17/75/70/30 Q	ER 17/75/70/30 Q	ER 19/75/70/30 Q	ER 25/77/80/38-30 Q	ER 25/80/80/38 S

¹⁾ Maximum oil flow and pressure figures shown in the table above cannot be achieved at the same time. Contact **erkat** to discuss hydraulic requirements once actual site conditions are known.
²⁾ 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.

