

english

CUTTING EDGE TECHNOLOGY

For many applications, a smart solution
ER | ERC | VC | ER-L | ADU



Cutting the competition

The integrated hydraulic rotation for our Drum Cutters allows for even more productive, precise and accurate work in challenging tasks.

Extremely **robust spur gears** for optimum energy transmission and reliability

360° endless hydraulic rotation allows optimal positioning and precise handling

Adoptable high torque **radial piston motor** for higher productivity and motor lifetime

QuickSnap retaining system (ERC 600–3000) for quick and easy pick changing

Pick holder sleeves (ERC 650–5500) are replaceable

High load resistant **output shaft bearing system** with lubrication-free slide ring seal system

Large variety of **cutting heads** for various applications available

Robust housing design with **HARDOX** wear protection for higher uptime

ERC range		ERC 50	ERC 100	ERC 250	ERC 600	ERC 650	ERC 1500X	ERC 1500XL
Carrier weight class ¹⁾	t	1–3	3–7	8–15	10–18	15–25	20–40	20–40
Service weight ²⁾	kg	340	530	950	1,280	1,760	2,700	2,800
Product weight	kg	300	490	880	1,200	1,560	2,450	2,550
Nominal power	kW	18	30	45	65	80	75	120
A	mm	795	1,085	1,325	1,500	1,665	1,870	1,870
B	mm	500	610	685	795	800	880	1,000
C	mm	240	370	450	575	585	720	720
Rotational speed	rpm	150	115	90	80	80	75	75
Optimum oil flow ³⁾	l/min	25–38	41–62	60–85	120–150	140–190	205–300	205–300
Max. torque ⁴⁾	Nm	1,420	3,000	5,200	10,100	12,400	23,400	23,400
Max. cutting force ⁴⁾	N	11,850	16,200	23,200	35,100	42,400	65,000	65,000
Pick shaft diameter	mm	15	20	22	25	30	30	30
Number of picks	pcs	56	64	44	48	44	44	48
Max. oil flow ⁵⁾	l/min	60	90	100	170	210	320	320
Max. operating pressure	bar	350	350	350	350	350	350	350
Max. oil flow (rotation) ⁵⁾	l/min	10	10	30	30	40	40	40
Max. operating pressure (rotation)	bar	160	160	160	160	160	160	160

1) Weights apply to standard carriers only. Any variances must be agreed with Erkat and/or the carrier manufacturer prior to attachment.

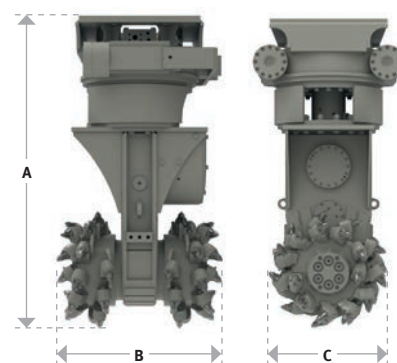
2) Attachment with standard picks & average-sized adapter plate. 3) Various motor variants available per model. 4) at 350 bar 5) at 10 bar



ERC range		ERC 1700	ERC 2000	ERC 3000
Carrier weight class ¹⁾	t	30–50	35–55	50–70
Service weight ²⁾	kg	3,240	3,600	5,700
Product weight	kg	2,990	3,300	5,200
Nominal power	kW	120	160	200
A	mm	1,855	1,970	2,220
B	mm	1,040	1,250	1,330
C	mm	720	720	805
Rotational speed	rpm	72	65	53
Optimum oil flow ³⁾	l/min	290–360	300–390	350–450
Max. torque ⁴⁾	Nm	27,900	31,500	46,800
Max. cutting force ⁴⁾	N	77,500	87,500	116,300
Pick shaft diameter	mm	30	30	38–30
Number of picks	pcs	56	56	64
Max. oil flow ⁵⁾	l/min	400	410	500
Max. operating pressure	bar	350	350	350
Max. oil flow (rotation) ⁵⁾	l/min	40	40	60
Max. operating pressure (rotation)	bar	160	160	160

1) Weights apply to standard carriers only. Any variances must be agreed with Erkat and/or the carrier manufacturer prior to attachment. 2) Attachment with standard picks & average-sized adapter plate.

3) Various motor variants available per model. 4) at 350 bar 5) at 10 bar



One machine – various applications

Pro bracket – rigid bracket, flexible use

The rigid intermediate bracket offers guaranteed protection for the customer investment with the usual performance. The hydraulic hoses are fed out to the back, in the centre of the extension arm protection, are subjected to less mechanical strain and are therefore better protected during work with minimal visual contact with the drum cutter in particular. Available for ER 650 – ER 2000.



HATCON – A new level of control

HATCON enables next level fleet management by monitoring operating hours, location and service intervals of your tools. Available for ER 100 – ER 5500.



Breathe deeply with our dust extraction systems

Water spraying system

The solution is to spray water directly onto the cutting head area so the water is applied at the actual location itself. Available for ER 40 – ER 5500.



Dust suction hood

For indoor use where water spraying is not possible, we also offer small drum cutter models with a dust suction hood for dry dust collection. Available for ER 40 – ER 100.





ER without drums

Our drum cutter allows high flexibility on site by changing just the cutting heads for different applications.

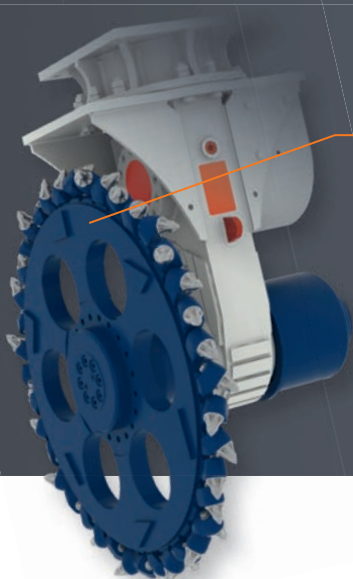
We also offer special solutions for extraordinary applications:

- Underwater Kits for applications up to 2,000 m depth
- Artic Kits for extreme low temperatures up to -50°C
- High temperature kits for working in hot environment such as in steel factories



Standard cutting head

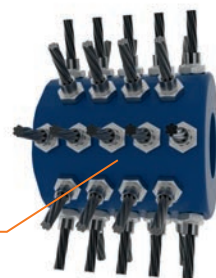
The standard cutting head covers the most common applications.



Cutting wheel

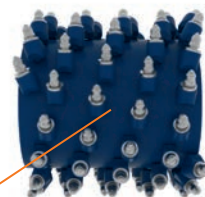
For narrow trenches and targeted slots in rock, concrete or asphalt. Available for ER 50 – ER 3000¹.

Special heads



Brush head

For cleaning surfaces such as steel plates, concrete walls and shotcrete walls. Available for ER 40 – ER 650.



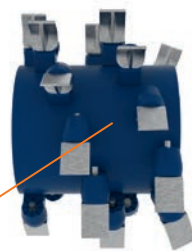
Profiling head

For a better surface finish such as for tunnel lining or diaphragm walls. Available for ER 250 – ER 3000.



Wood cutting head

For wood and tree stump grinding. Available for ER 250 – ER 650.



Mixing head

For soil mixing and conditioning in soft to medium hard grounds. Available for ER 600 – ER 2000.



High production head

For soft rock mineral excavation. Available for ER 1500 – ER 5500.

¹ Also suitable for corresponding ERC models.