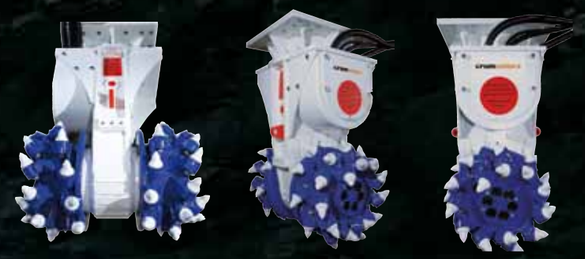
ER

DOUBLE HEAD DRUM CUTTERS FOR EXCAVATORS WITH WEIGHT FROM 2,200 TO 275,000 LB (1 TO 125 T)

The double head drum cutter is ideally suited for trenching, tunnelling, foundation work, demolition and soil mixing. Their operating characteristics allow them to be used in noise and vibration sensitive areas.

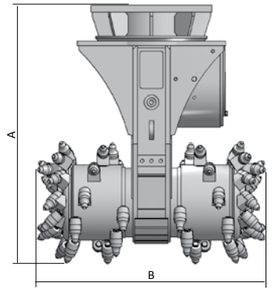
By changing the cutter drums, the drum cutter can be easily converted to suit several special applications such as tunneling, profiling or wood cutting (special W range).

New! Introducing the ER 50 X, ER 100 X, ER 250 X and ER 2000 X models. By shortening the shaft to a minimum, the cutter head width on these models has been reduced to allow narrower trench widths.



- mechanical 360° rotatable console with standard Atlas Copco hole pattern except for ER 5500)
- adaptable hydraulic motors with powerful torque
- extremely robust spur gear drive
- cutter heads mounted on over sized bearings guarantee a long operating service life
- heavy duty fasteners guarantee secure fixture of cutter drums
- large variety of special cutting heads for profiling, mixing 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]	in mm	24.0 610	31.7 805	38.0 965	44.5 1,130	47.0 1,200	56.0 1,420	56.0 1,420	62.0 1,580	65.0 1,650	77.5 1,970
Width of standard cutting head [B] Standard (narrow version)	in mm	18.9 (15.4) 480 (390)	24.0 (19.7) 610 (500)	26.8 (23.6) 680 (600)	30.7 780	31.0 800	35.0 880	39.0 1,000	48.8 (41.3) 1,240 (1,050)	52.4 1,330	63.0 1,600
Diameter of standard cutting head [C]	in mm	8.9 225	14.6 370	17.7 450	22.6 575	22.6 575	26.4 670	26.4 670	26.8 680	31.7 805	36.2 920
Recommended rotation speed	rpm	150	110	90	80	85	75	75	65	55	50
Recommended oil flow at 145 psi (10 bar)	gal/min l/min	6.6 - 10.0 25 - 38	10.8 - 16.4 41 - 62	15.8 - 22.4 60 - 85	31.7 - 39.6 120 - 150	37.0 - 50.2 140 - 190	47.5 - 79.3 180 - 300	47.5 - 79.3 180 - 300	79.3 - 103.0 300 - 390	92.5 - 118.9 350 - 450	185.0 - 251.0 700 - 950
Maximum oil flow at 145 psi (10 bar)	gal/min l/min	15.8 60	23.7 90	26.4 100	44.9 170	55.5 210	84.5 320	84.5 320	108.3 410	132.1 500	264.2 1,000
Maximum operating oil pressure [1]	psi bar	5,000 350	5,000 350	5,000 350	5,000 350	5,000 350	5,000 350	5,000 350	5,000 350	5,000 350	5,000 350
Torque at 5,000 psi (350 bar) [1]	lbf-ft Nm	700 - 1,050 960 - 1,420	1,550 - 2,300 2,100 - 3,120	2,580 - 3,835 3,500 - 5,200	6,400 - 7,670 8,700 - 10,400	6,900 - 10,300 9,400 - 14,000	10,000 - 17,250 13,600 - 23,400	10,000 - 17,250 13,600 - 23,400	16,500 - 24,700 22,300 - 33,500	23,000 - 34,600 31,200 - 46,900	54,800 - 80,468 74,300 - 109,100
Cutting force at 5,000 psi (350 bar)	lbf kN	1,900 - 2,800 8.5 - 12.6	2,700 - 4,000 12.0 - 17.8	3,500 - 5,200 15.6 - 26.0	6,800 - 8,100 30.2 - 36.2	7,300 - 10,900 32.7 - 48.7	9,100 - 15,700 40.6 - 69.9	9,100 - 15,700 40.6 - 69.9	14,700 - 22,100 65.6 - 98.5	17,400 - 26,200 77.5 - 116.5	36,300 - 53,300 161.6 - 237.2
Weight standard (narrow)	lb kg	308 (287) 140 (130)	683 (639) 310 (290)	1,036 (992) 470 (450)	1,800 820	2,200 1,000	3,858 1,750	4.078 1,850	5,732 (5,511) 2,600 (2,500)	7,716 3,500	13,200 6,000
Rated power	hp kW	24 18	40 30	60 45	87 65	107 80	160 120	160 120	214 160	268 200	536 400
Recommended excavator weight	lb t	2,200 - 6,600 1 - 3	6,600 - 15,400 3 - 7	17,600 - 33,000 8 - 15	22,000 - 39,600 10 - 18	33,000 - 55,000 15 - 22	44,000 - 88,000 20 - 40	44,000 - 88,000 20 - 40	77,000 - 110,000 35 - 50	110,000 - 176,000 50 - 70	176,000 - 275,000 70 - 125
Number of picks	Qty	60 (40)	64 (44)	44	48	48	44	48	56	64	68
Standard pick [2] - standard width Standard pick [2] - narrow width	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 25/77/80/38 S



1) Maximum oil flow and pressure figures shown in the table above cannot be achieved at the same time. Contact **Drumcutters** to discuss hydraulic requirements once actual site conditions are known.
2) An overview of standard picks is on page 27.
Cutter drums can be supplied with picks for special applications as required.

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