

The cutters with robust spur gearing are driven by high torque motors. In addition, they are equipped with a gear reduction to increase the cutting force. The optimal selection of drum and pick guarantees high performance for loosening of material and reduces wear. The best suited components for your task will provide optimum penetration into the rock at low vibration and noise levels. Underwater operation in up to 25m/98.4in water depth is no problem thanks to the heavy duty sealing system.

- ▷ **High profitability:** robust and low maintenance, precise and profile-true cutting in hard soil and rock, easy reutilization of cut material.
- ▷ **Greater efficiency:** high pick force, extremely high cutting head torque and maximum cutting force due to reduction gear unit.
- ▷ **Maximum flexibility:** modular construction, large product range of drums and picks, fast and easy exchange of wear parts.
- ▷ **Optional 360° rotation.**
- ▷ Especially flexibel in **combination with a NOX-Tiltrotator.**



here with quick change adapter

Drum Cutters KDC

Type	Weight (approx. kg/lbs)	Torque (@ 350bar/5070psi) (Nm/ft.lbs)	Cutting force (N/lbf)	Nominal power (kW / J/s)	Rotations per minute (@ l/min)	Operating weight (t/lbs)
KDC04-Excavating	250 / 550	2330 / 1718	13320 / 2930	18 / 18000	71 @ 30 / 150 @ 65	2-4 / 4400-8800
KDC04-Demolition	250 / 550	2330 / 1718	13320 / 2930	18 / 18000	71 @ 30 / 150 @ 65	2-4 / 4400-8800
KDC04-Profiling	250 / 550	2330 / 1718	20260 / 4457	18 / 18000	71 @ 30 / 150 @ 65	2-4 / 4400-8800
KDC06-Excavating	250 / 550	2800 / 2065	16000 / 3520	18 / 18000	77 @ 40 / 130 @ 65	4-6 / 8800-13200
KDC06-Demolition	250 / 550	2800 / 2065	16000 / 3520	18 / 18000	77 @ 40 / 130 @ 65	4-6 / 8800-13200
KDC06-Profiling	250 / 550	2800 / 2065	24350 / 5357	18 / 18000	77 @ 40 / 130 @ 65	4-6 / 8800-13200
KDC08-Excavating	250 / 550	3900 / 2876	22290 / 4904	22 / 22000	63 @ 50 / 82 @ 65	5-8 / 11000-17600
KDC08-Demolition	250 / 550	3900 / 2876	22290 / 4904	22 / 22000	63 @ 50 / 82 @ 65	5-8 / 11000-17600
KDC08-Profiling	250 / 550	3900 / 2876	33920 / 7462	22 / 22000	63 @ 50 / 82 @ 65	5-8 / 11000-17600
KDC15-Excavating	420 / 924	5500 / 4056	27160 / 5975	30 / 30000	81 @ 80 / 122 @ 120	9-14 / 19800-30800
KDC15-Demolition	420 / 924	5500 / 4056	27160 / 5975	30 / 30000	81 @ 80 / 122 @ 120	9-14 / 19800-30800
KDC15-Profiling	420 / 924	5500 / 4056	27160 / 5975	30 / 30000	81 @ 80 / 122 @ 120	9-14 / 19800-30800

Package consists of: drum cutter incl. drum, standard picks, hose set incl. pretension valve in return line

Drum Cutters KDC dimensions

Type	Diameter drum (mm/in)	Width drum (mm/in)	Width drive (mm/in)	Cutting depth (mm/in)	Height complete (mm/in)	Upper connection (mm/in)	Number of picks (pcs.)
KDC04-Excavating	350 / 13.7	500 / 19.6	90 / 3.5	65 / 2.6	700 / 27.5	320x310 / 12.5x12.2	2 x 22
KDC04-Demolition	350 / 13.7	500 / 19.6	90 / 3.5	65 / 2.6	700 / 27.5	320x310 / 12.5x12.2	2 x 22
KDC04-Profiling	230 / 9	500 / 19.6	90 / 3.5	53 / 2.1	690 / 27.1	320x310 / 12.5x12.2	2 x 43
KDC06-Excavating	350 / 13.7	500 / 19.6	90 / 3.5	65 / 2.6	700 / 27.5	320x310 / 12.5x12.2	2 x 22
KDC06-Demolition	350 / 13.7	500 / 19.6	90 / 3.5	65 / 2.6	700 / 27.5	320x310 / 12.5x12.2	2 x 22
KDC06-Profiling	230 / 9	500 / 19.6	90 / 3.5	53 / 2.1	690 / 27.1	320x310 / 12.5x12.2	2 x 43
KDC08-Excavating	350 / 13.7	500 / 19.6	90 / 3.5	65 / 2.6	700 / 27.5	320x310 / 12.5x12.2	2 x 22
KDC08-Demolition	350 / 13.7	500 / 19.6	90 / 3.5	65 / 2.6	700 / 27.5	320x310 / 12.5x12.2	2 x 22
KDC08-Profiling	230 / 9	500 / 19.6	90 / 3.5	53 / 2.1	690 / 27.1	320x310 / 12.5x12.2	2 x 43
KDC15-Excavating	495 / 19.4	630 / 24.8	135 / 5.3	85 / 3.4	835 / 32.8	405x475 / 15.9x18.7	2 x 24
KDC15-Demolition	495 / 19.4	630 / 24.8	135 / 5.3	85 / 3.4	835 / 32.8	405x475 / 15.9x18.7	2 x 24
KDC15-Profiling	495 / 19.4	680 / 26.7	135 / 5.3	85 / 3.4	835 / 32.8	405x475 / 15.9x18.7	2 x 30

Accessories

Type	Description
KM 690 8t	adapter for rigid mounting - up to 8t/17600lbs
KM 690 15t	adapter for rigid mounting - up to 15t/33000lbs
KSW03 rigid	bolt-on adapter for system L-Lock KMS03L/KHS03L for rigid mounting - up to 6t/13200lbs
KSW08 rigid	bolt-on adapter for system L-Lock KMS08L/KHS08L for rigid mounting - up to 12t/26400lbs
OQ45/3 rigid	bolt-on adapter for OilQuick OQ45 - up to 12t/26400lbs

adapters for quick change systems from other manufacturers or different sizes on request

Requirements of carrier machine

Type	KDC04	KDC06	KDC08	KDC15
Operating pressure max.:	375 bar / 5437 psi	375 bar / 5437 psi	375 bar / 5437 psi	375 bar / 5437 psi
Recommended flow:	30-65 l/min / 8-17.2 GPM	40-65 l/min / 10.5-17.2 GPM	50-65 l/min / 13-17.2 GPM	80-120 l/min / 21-32 GPM

Drawing



Excavating



Profiling



Demolition

The cutters with robust spur gearing are driven by high torque motors. In addition, they are equipped with a gear reduction to increase the cutting force. The optimal selection of drum and pick guarantees high performance for loosening of material and reduces wear. The best suited components for your task will provide optimum penetration into the rock at low vibration and noise levels. Underwater operation in up to 25m/984.2in water depth is no problem thanks to the heavy duty sealing system.

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- ▷ **Optional 360° rotation.**
- ▷ **Especially flexibel in combination with a **NOX** Tiltrotator.**



here with quick change adapter

Drum Cutters KDC						
Type	Weight drum (approx. kg/lbs)	Torque (@ 350bar/5070psi) (Nm/ft.lbs)	Cutting force (N/lbf)	Nominal power (kW / J/s)	Rotations per minute (@ l/min)	Operating weight (t/lbs)
KDC15-Excavating	420 / 924	5500 / 4056	27160 / 5975	30 / 30000	81@80 / 122@120	9-14/ 19800-30800
KDC15-Demolition	420 / 924	5500 / 4056	27160 / 5975	30 / 30000	81@80 / 122@120	9-14/ 19800-30800
KDC15-Profiling	420 / 924	5500 / 4056	27160 / 5975	30 / 30000	81@80 / 122@120	9-14/ 19800-30800
KDC20-Excavating	850 / 1870	9900 / 7300	36000 / 7920	45 / 45000	67@120 / 106@190	12-20/ 26400-44000
KDC20-Demolition	850 / 1870	9900 / 7300	36000 / 7920	45 / 45000	67@120 / 106@190	12-20/ 26400-44000
KDC20-Profiling	850 / 1870	9900 / 7300	42580 / 9368	45 / 45000	67@120 / 106@190	12-20/ 26400-44000
KDC30-Excavating	1400 / 3080	14000 / 10325	45530 / 10017	60 / 60000	57@140 / 86@210	18-30/ 39600-66000
KDC30-Demolition	1400 / 3080	14000 / 10325	45530 / 10017	60 / 60000	57@140 / 86@210	18-30/ 39600-66000
KDC30-Profiling	1400 / 3080	14000 / 10325	45530 / 10017	60 / 60000	57@140 / 86@210	18-30/ 39600-66000
KDC35-Excavating	1460 / 3212	24100 / 17774	78380 / 17244	90 / 90000	55@240 / 78@340	25-35/ 55000-77000
KDC35-Demolition	1460 / 3212	24100 / 17774	78380 / 17244	90 / 90000	55@240 / 78@340	25-35/ 55000-77000
KDC35-Profiling	1460 / 3212	24100 / 17774	78380 / 17244	90 / 90000	55@240 / 78@340	25-35/ 55000-77000
KDC45-Excavating	2550 / 5610	36100 / 26624	95000 / 20900	120 / 120000	48@310 / 77@500	30-45/ 66000-99000
KDC45-Demolition	2550 / 5610	36100 / 26624	95000 / 20900	120 / 120000	48@310 / 77@500	30-45/ 66000-99000
KDC45-Profiling	2550 / 5610	36100 / 26624	95000 / 20900	120 / 120000	48@310 / 77@500	30-45/ 66000-99000

Package consists of: drum cutter incl. respective drum, standard picks, hose kit incl. preload valve in return line

Drum Cutters KDC Dimension							
Type	Diameter drum (mm/in)	Width drum (mm/in)	Width drive (mm/in)	Cutting depth (mm/in)	Height complete (mm/in)	Upper connection (mm/in)	Number of picks (pcs.)
KDC15-Excavating	495 / 19.5	630 / 24.8	135 / 5.3	85 / 3.3	835 / 32.9	405 x 475 / 15.9 x 18.7	2 x 24
KDC15-Demolition	495 / 19.5	630 / 24.8	135 / 5.3	85 / 3.3	835 / 32.9	405 x 475 / 15.9 x 18.7	2 x 24
KDC15-Profiling	495 / 19.5	680 / 26.8	135 / 5.3	85 / 3.3	835 / 32.9	405 x 475 / 15.9 x 18.7	2 x 30
KDC20-Excavating	550 / 21.7	750 / 29.5	145 / 5.7	120 / 4.7	965 / 38	530 x 510 / 20.9 x 20.1	2 x 28
KDC20-Demolition	550 / 21.7	750 / 29.5	145 / 5.7	120 / 4.7	965 / 38	530 x 510 / 20.9 x 20.1	2 x 28
KDC20-Profiling	465 / 18.3	655 / 25.8	145 / 5.7	78 / 3.1	923 / 36.3	530 x 510 / 20.9 x 20.1	2 x 38
KDC30-Excavating	615 / 24.2	900 / 35.4	170 / 6.7	125 / 4.9	1095 / 43.1	600 x 620 / 23.6 x 24.4	2 x 28
KDC30-Demolition	615 / 24.2	900 / 35.4	170 / 6.7	125 / 4.9	1095 / 43.1	600 x 620 / 23.6 x 24.4	2 x 28
KDC30-Profiling	615 / 24.2	900 / 35.4	170 / 6.7	125 / 4.9	1095 / 43.1	600 x 650 / 23.6 x 25.6	2 x 28
KDC35-Excavating	615 / 24.2	900 / 35.4	170 / 6.7	125 / 4.9	1095 / 43.1	600 x 650 / 23.6 x 25.6	2 x 28
KDC35-Demolition	615 / 24.2	900 / 35.4	170 / 6.7	125 / 4.9	1095 / 43.1	600 x 650 / 23.6 x 25.6	2 x 28
KDC35-Profiling	615 / 24.2	900 / 35.4	170 / 6.7	125 / 4.9	1095 / 43.1	600 x 650 / 23.6 x 25.6	2 x 28
KDC45-Excavating	760 / 29.9	1200 / 47.2	240 / 9.4	135 / 5.3	1345 / 53	740 x 780 / 29.1 x 30.7	2 x 32
KDC45-Demolition	760 / 29.9	1200 / 47.2	240 / 9.4	135 / 5.3	1345 / 53	740 x 780 / 29.1 x 30.7	2 x 32
KDC45-Profiling	760 / 29.9	1200 / 47.2	240 / 9.4	135 / 5.3	1345 / 53	740 x 780 / 29.1 x 30.7	2 x 28

Accessories	
Type	Description
KM 690	adapter for rigid mounting – up to 70t/154000lbs
KSW rigid	bolt-on adapter for system L-Lock – up to 40t/88000lbs
OQ	bolt-on adapter for OilQuick – up to 70t/154000lbs
	adapters for quick change systems from other manufacturers or different sizes on request

Requirements of carrier machine					
	KDC15	KDC20	KDC30	KDC35	KDC45
Operating pressure max.:	375 bar / 5440psi	350 bar / 5075psi	350 bar / 5075psi	350 bar / 5075psi	350 bar / 5075psi
Recommended flow:	80 - 120 l/min/ 21.1 - 31.7GMP	120 - 190 l/min/ 31.7 - 50.2GMP	140 - 210 l/min/ 37.0 - 55.5GMP	240 - 340 l/min/ 63.4 - 89.86GMP	300 - 500 l/min/ 79.3 - 132.1GMP

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- ▷ **Optional 360° rotation.**



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Drum Cutters KDC

Type	Weight drum (approx. kg/lbs)	Torque (@ 350bar/5070psi) (Nm/ft.lbs)	Cutting force (N/lbf)	Nominal power (kW / J/s)	Rotations per minute (@ l/min)	Operating weight (t/lbs)
KDC45-Excavating	2550 / 5610	36100 / 26623.8	95000 / 20900	120 / 120000	48@310 / 77@500	30-45 / 66000-99000
KDC45-Demolition	2550 / 5610	36100 / 26623.8	95000 / 20900	120 / 120000	48@310 / 77@500	30-45 / 66000-99000
KDC45-Profiling	2550 / 5610	36100 / 26623.8	95000 / 20900	120 / 120000	48@310 / 77@500	30-45 / 66000-99000
KDC60-Excavating	2800 / 6160	43500 / 32081.3	114470 / 25183	140 / 140000	45@360 / 70@550	40-60 / 88000-132000
KDC60-Demolition	2800 / 6160	43500 / 32081.3	114470 / 25183	140 / 140000	45@360 / 70@550	40-60 / 88000-132000
KDC60-Profiling	2800 / 6160	43500 / 32081.3	114470 / 25183	140 / 140000	45@360 / 70@550	40-60 / 88000-132000

Package consists of: drum cutter incl. respective drum, standard picks, hose kit incl. preload valve in return line

Dimensions

Type	Diameter drum (mm/in)	Width drum (mm/in)	Width drive (mm/in)	Cutting depth (mm/in)	Height complete (mm/in)	Upper connection (mm/in)	Number of picks (pcs.)
KDC45-Excavating	760 / 29.9	1200 / 47.2	240 / 9.4	135 / 5.3	1345 / 53	740 x 780 / 29.1 x 30.7	2 x 32
KDC45-Demolition	760 / 29.9	1200 / 47.2	240 / 9.4	135 / 5.3	1345 / 53	740 x 780 / 29.1 x 30.7	2 x 32
KDC45-Profiling	760 / 29.9	1200 / 47.2	240 / 9.4	135 / 5.3	1345 / 53	740 x 780 / 29.1 x 30.7	2 x 28
KDC60-Excavating	760 / 29.9	1400 / 55.1	240 / 9.4	135 / 5.3	1345 / 53	740 x 780 / 29.1 x 30.7	2 x 40
KDC60-Demolition	760 / 29.9	1400 / 55.1	240 / 9.4	135 / 5.3	1345 / 53	740 x 780 / 29.1 x 30.7	2 x 40
KDC60-Profiling	760 / 29.9	1400 / 55.1	240 / 9.4	135 / 5.3	1345 / 53	740 x 780 / 29.1 x 30.7	2 x 60

Accessories

Type	Description
KM 690 40t	adapter for rigid mounting - up to 40t/88000lbs
KM 690 50t	adapter for rigid mounting - up to 50t/11000 lbs
KM 690 70t	adapter for rigid mounting - up to 70t/154000lbs
OQ80/3	bolt-on adapter for OilQuick - up to 70t/154000lbs
	adapters for quick change systems from other manufacturers or different sizes on request

Requirements of carrier machine

	KDC45	KDC60
Operating pressure max.:	350 bar / 5070psi	350 bar / 5070psi
Recommended flow:	300 - 500 l/min / 79.5 - 132.0 GPM	360 - 500 l/min / 95.0 - 132.0 GPM

Drawings

