Drum Cutters 2 - 14t KDC

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 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)	Torque (Nm @ 350 bar)	Cutting force (N)	Nominal power (kW)	Rotations per minute (@ l/min)	Operating weight (t)
KDC04-Excavating	250	2330	13320	18	71 @ 30 / 150 @ 65	2 - 4
KDC04-Demolition	250	2330	13320	18	71 @ 30 / 150 @ 65	2 - 4
KDC04-Profiling	250	2330	20260	18	71 @ 30 / 150 @ 65	2 - 4
KDC06-Excavating	250	2800	16000	18	77 @ 40 / 130 @ 65	4 - 6
KDC06-Demolition	250	2800	16000	18	77 @ 40 / 130 @ 65	4 - 6
KDC06-Profiling	250	2800	24350	18	77 @ 40 / 130 @ 65	4 - 6
KDC08-Excavating	250	3900	22290	22	63 @ 50 / 82 @ 65	5 - 8
KDC08-Demolition	250	3900	22290	22	63 @ 50 / 82 @ 65	5 - 8
KDC08-Profiling	250	3900	33920	22	63 @ 50 / 82 @ 65	5 - 8
KDC15-Excavating	420	5500	27160	30	81 @ 80 / 122 @ 120	9 - 14
KDC15-Demolition	420	5500	27160	30	81 @ 80 / 122 @ 120	9 - 14
KDC15-Profiling	420	5500	27160	30	81 @ 80 / 122 @ 120	9 - 14

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)	Width drum (mm)	Width drive (mm)	Cutting depth (mm)	Height complete (mm)	Upper connection (mm)	Number of picks (pcs.)
KDC04-Excavating	350	500	90	65	700	320 x 310	2 x 22
KDC04-Demolition	350	500	90	65	700	320 x 310	2 x 22
KDC04-Profiling	230	500	90	53	690	320 x 310	2 x 43
KDC06-Excavating	350	500	90	65	700	320 x 310	2 x 22
KDC06-Demolition	350	500	90	65	700	320 x 310	2 x 22
KDC06-Profiling	230	500	90	53	690	320 x 310	2 x 43
KDC08-Excavating	350	500	90	65	700	320 x 310	2 x 22
KDC08-Demolition	350	500	90	65	700	320 x 310	2 x 22
KDC08-Profiling	230	500	90	53	690	320 x 310	2 x 43
KDC15-Excavating	495	630	135	85	835	405 x 475	2 x 24
KDC15-Demolition	495	630	135	85	835	405 x 475	2 x 24
KDC15-Profiling	495	680	135	85	835	405 x 475	2 x 30

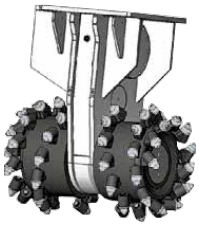
Accessories

Type	Description
KM 690 8t	adapter for rigid mounting – up to 8t
KM 690 15t	adapter for rigid mounting – up to 15t
KSW03 rigid	bolt-on adapter for system L-Lock KMS03L/KHS03L for rigid mounting – up to 6t
KSW08 rigid	bolt-on adapter for system L-Lock KMS08L/KHS08L for rigid mounting – up to 12t
OQ45/3 rigid	bolt-on adapter for OilQuick OQ45 – up to 12t
	adapters for quick change systems from other manufacturers or different sizes on request

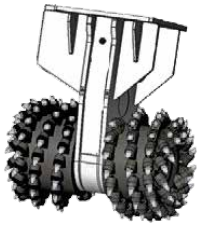
Requirements of carrier machine

Type	KDC04	KDC06	KDC08	KDC15
Operating pressure max.:	**375 bar**	**375 bar**	**375 bar**	**375 bar**
Recommended flow:	30 - 65 l/min	40 - 65 l/min	50 - 65 l/min	80 - 120 l/min

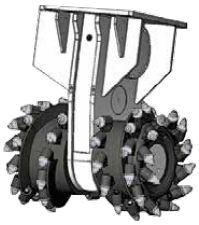
Drawing



Excavating



Profiling



Demolition

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KDC

Drum Cutters 9 - 45t

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.

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Underwater operation in up to 25m water depth is no problem thanks to the heavy duty sealing system.

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- **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 drum (approx. kg)	Torque (Nm @ 350bar)	Cutting force (N)	Nominal power (kW)	Rotations per minute (@ l/min)	Operating weight (t)
KDC15-Excavating	420	5500	27160	30	81 @ 80 / 122 @ 120	9 - 14
KDC15-Demolition	420	5500	27160	30	81 @ 80 / 122 @ 120	9 - 14
KDC15-Profiling	420	5500	27160	30	81 @ 80 / 122 @ 120	9 - 14
KDC20-Excavating	850	9900	36000	45	67 @ 120 / 106 @ 190	12 - 20
KDC20-Demolition	850	9900	36000	45	67 @ 120 / 106 @ 190	12 - 20
KDC20-Profiling	850	9900	42580	45	67 @ 120 / 106 @ 190	12 - 20
KDC30-Excavating	1400	14000	45530	60	57 @ 140 / 86 @ 210	18 - 30
KDC30-Demolition	1400	14000	45530	60	57 @ 140 / 86 @ 210	18 - 30
KDC30-Profiling	1400	14000	45530	60	57 @ 140 / 86 @ 210	18 - 30
KDC35-Excavating	1460	24100	78380	90	55 @ 240 / 78 @ 340	25 - 35
KDC35-Demolition	1460	24100	78380	90	55 @ 240 / 78 @ 340	25 - 35
KDC35-Profiling	1460	24100	78380	90	55 @ 240 / 78 @ 340	25 - 35
KDC45-Excavating	2550	36100	95000	120	48 @ 310 / 77 @ 500	30 - 45
KDC45-Demolition	2550	36100	95000	120	48 @ 310 / 77 @ 500	30 - 45
KDC45-Profiling	2550	36100	95000	120	48 @ 310 / 77 @ 500	30 - 45

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)	Width drum (mm)	Width drive (mm)	Cutting depth (mm)	Height complete (mm)	Upper connection (mm)	Number of picks (pcs.)
KDC15-Excavating	495	630	135	85	835	405 x 475	2 x 24
KDC15-Demolition	495	630	135	85	835	405 x 475	2 x 24
KDC15-Profiling	495	680	135	85	835	405 x 475	2 x 30
KDC20-Excavating	550	750	145	120	965	530 x 510	2 x 28
KDC20-Demolition	550	750	145	120	965	530 x 510	2 x 28
KDC20-Profiling	465	655	145	78	923	530 x 510	2 x 38
KDC30-Excavating	615	900	170	125	1095	600 x 620	2 x 28
KDC30-Demolition	615	900	170	125	1095	600 x 620	2 x 28
KDC30-Profiling	615	900	170	125	1095	600 x 650	2 x 28
KDC35-Excavating	615	900	170	125	1095	600 x 650	2 x 28
KDC35-Demolition	615	900	170	125	1095	600 x 650	2 x 28
KDC35-Profiling	615	900	170	125	1095	600 x 650	2 x 28
KDC45-Excavating	760	1200	240	135	1345	740 x 780	2 x 32
KDC45-Demolition	760	1200	240	135	1345	740 x 780	2 x 32
KDC45-Profiling	760	1200	240	135	1345	740 x 780	2 x 28

Zubehör

Typ	Beschreibung
KM 690	adapter for rigid mounting – up to 70t
KSW rigid	bolt-on adapter for system L-Lock – up to 40t
OQ	bolt-on adapter for OilQuick – up to 70t
	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**	**350 bar**	**350 bar**	**350 bar**	**350 bar**
Recommended flow:	80 - 120 l/min	120 - 190 l/min	140 - 210 l/min	240 - 340 l/min	300 - 500 l/min

Drum Cutters up to 60t KDC

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.

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- **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**.

here with quick change adapter

Drum Cutters KDC

Type	Weight drum (approx. kg)	Torque (Nm @ 350bar)	Cutting force (N)	Nominal power (kW)	Rotations per minute (@ l/min)	Operating weight (t)
KDC45-Excavating	2550	36100	95000	120	48 @ 310 / 77 @ 500	30 - 45
KDC45-Demolition	2550	36100	95000	120	48 @ 310 / 77 @ 500	30 - 45
KDC45-Profiling	2550	36100	95000	120	48 @ 310 / 77 @ 500	30 - 45
KDC60-Excavating	2800	43500	114470	140	45 @ 360 / 70 @ 550	40 - 60
KDC60-Demolition	2800	43500	114470	140	45 @ 360 / 70 @ 550	40 - 60
KDC60-Profiling	2800	43500	114470	140	45 @ 360 / 70 @ 550	40 - 60

Lieferumfang: Fräse inkl. Trommel, Standard-Meissel, Schlauchsatz inkl. Vorspannventil in der Rücklaufleitung

Dimensions

Type	Diameter drum (mm)	Width drum (mm)	Width drive (mm)	Cutting depth (mm)	Height complete (mm)	Upper connection (mm)	Number of picks (pcs.)
KDC45-Excavating	760	1200	240	135	1345	740 x 780	2 x 32
KDC45-Demolition	760	1200	240	135	1345	740 x 780	2 x 32
KDC45-Profiling	760	1200	240	135	1345	740 x 780	2 x 28
KDC60-Excavating	550	750	145	120	965	530 x 510	2 x 28
KDC60-Demolition	550	750	145	120	965	530 x 510	2 x 28
KDC60-Profiling	465	655	145	78	923	530 x 510	2 x 38

Accessories

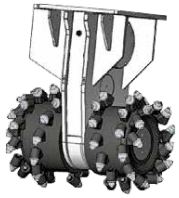
Type	Description
KM 690 40t	adapter for rigid mounting – up to 40t
KM 690 50t	adapter for rigid mounting – up to 50t
KM 690 70t	adapter for rigid mounting – up to 70t
OQ80/3	bolt-on adapter for OilQuick – up to 70t
	adapters for quick change systems from other manufacturers or different sizes on request

Requirements of carrier machine

	KDC45	KDC60
Operating pressure max.:	**350 bar**	**350 bar**
Recommended flow:	300 - 500 l/min	360 - 500 l/min

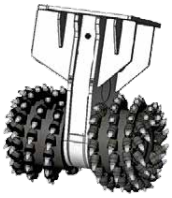
Drawings

Excavating drum



Demolition drum

Profiling drum



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