

Surface Cutter SC Series

Exceptional Endurance and Versatility

The surface cutter in the SC Series is particularly suitable for canalisation, tunnelling, specialised civil construction, demolition, roadworks and for cutting trenches, trunks and slots.



Series SC is designed for especially versatile and heavy-duty use at low noise and vibration levels. It is not only an ideal tool for construction and steel industries, mining and tunnel construction, restoration, canalisation, forestation and roadworks - but also for surface conditioning and shaping of walls.

Robust, Productive and Flexible

Solid construction, a high torque hydraulic motor, a very stiff gear case made of Hardox®-steel together with special heavy-duty suspension of the drive shaft and sealing system guarantee long life and high productivity under tough working conditions. Interchangeable picks facilitate the optimisation of cutting performance for respective material.



The cutters of models SC 15 to SC 120 can be equipped with various types of cutter heads (extraction, recovery, profiling, demolition) as well as various hydraulic motors (adapted for hydraulic output of respective excavator).

Model overview		SC 15	SC 30	SC 45	SC 65	SC 100	SC 120
Excavator weight	[t]	2 - 8	8 - 15	12 - 20	18 - 30	25 - 35	30 - 45
Weight	[kg]	200	375	815	1350	1450	2000
Width	[mm]	533 - 557	678	655 - 750	900	900	1255
Cutting head diameter	[mm]	322	388	465 - 550	615	615	716

Surface Cutter SC Series

Meet all Requirements

The SC Series cutters can be equipped with various types of cutter heads (demolition, extraction, recovery, profiling and specialised design) as well as different hydraulic motors, making perfect



combinations available to meet all requirements. In addition the cutters can be furnished with a depth limiter for reduction of vibration and smoother operation.



Agile and Wear-Resistant

Wear on the drum shaft picks is considerably reduced by special wear-proof bushings, diverse picks and the facility to adapt to the prevailing conditions. Starting from model SC 160 LST-cutters are adjustable in 22,5° steps for 360°.



Surface Cutter SC Series

SC 15

The surface cutter SC 15 is available with three different motor versions and can be equipped with the following cutting heads:

- cutting head for removal / extraction
- cutting head for profiling and flattening
- cutting head for demolition and rock work



Model		SC 15 (A)	SC 15 (C)	SC 15 (D)
Excavator weight	[t]	2 - 8	2 - 8	2 - 8
Weight incl. cutting drums approx.	[kg]	200	200	200
Input Power	[kW]	18	18	22
Peak power, max.	[kW]	22	22	27
max. Operating pressure	[bar]	375	375	375
Required Oil flow	[l/min]	30 - 65	40 - 65	50 - 65
Recommended Oil flow	[l/min]	40	50	60
Hydraulic motor	[cm ³]	213	255	398
Transmission ratio	[i]	2,0	2,0	2,0
Cutting drum speed	[min ⁻¹]	71 at 30 l/min	77 at 40 l/min	63 at 50 l/min
Cutting drum speed	[min ⁻¹]	150 at 65 l/min	130 at 65 l/min	82 at 65 l/min
Cutting head torque (at 350 bar)	[Nm]	2330	2800	4370

Type of cutting drums		Rock	Scaling	Demolition
Cutting diameter	mm	322	294	322
Cutting width	mm	557	533	557
Number of picks		2 x 28	2 x 47	2 x 28

Surface Cutter SC Series

SC 30

The surface cutter SC 30 is available with the following cutting heads:

- cutting head for removal / extraction
- cutting head for profiling and flattening
- cutting head for demolition and rock work



Model		SC 30 (A)	SC 30 (B)	SC 30 (C)
Excavator weight	[t]	8 - 15	8 - 15	8 - 15
Weight incl. cutting drums approx.	[kg]	375	375	375
Input Power	[kW]	30	30	30
Peak power, max.	[kW]	40	40	40
max. Operating pressure	[bar]	375	375	375
Required Oil flow	[l/min]	60 - 90	70 - 110	80 - 120
Recommended Oil flow	[l/min]	80	100	120
Hydraulic motor	[cm ³]	376	468	560
Transmission ratio	[i]	1,76	1,76	1,76
Cutting drum speed	[min ⁻¹]	91 at 60 l/min	85 at 70 l/min	81 at 80 l/min
Cutting drum speed	[min ⁻¹]	136 at 90 l/min	134 at 110 l/min	122 at 120 l/min
Cutting head torque (at 350 bar)	[Nm]	3700	4600	5500

Type of cutting drums		Rock	Scaling	Demolition
Cutting diameter	[mm]	388	388	388
Cutting width	[mm]	678	678	678
Number of picks		2 x 26	2 x 33	2 x 26

Surface Cutter SC Series

SC 45

The surface cutter SC 45 is available with the following cutting heads:

- cutting head for removal / extraction
- cutting head for profiling and flattening
- cutting head for demolition and rock work



Model		SC 45 (B)	SC 45 (C)
Excavator weight	[t]	12 - 20	12 - 20
Weight incl. cutting drums approx.	[kg]	815	815
Input Power	[kW]	45	45
Peak power, max.	[kW]	55	55
max. Operating pressure	[bar]	350	350
Required Oil flow	[l/min]	100 - 170	120 - 190
Recommended Oil flow	[l/min]	130	150
Hydraulic motor	[cm ³]	980	1120
Transmission ratio	[i]	1,6	1,6
Cutting drum speed	[min ⁻¹]	64 at 100 l/min	67 at 120 l/min
Cutting drum speed	[min ⁻¹]	108 at 170 l/min	106 at 190 l/min
Cutting head torque (at 350 bar)	[Nm]	8400	9900

Type of cutting drums		Rock	Scaling	Demolition
Cutting diameter	[mm]	550	465	550
Cutting width	[mm]	750	655	750
Number of picks		2 x 28	2 x 39	2 x 28

Surface Cutter SC Series

SC 65

The surface cutter SC 65 is available with the following cutting heads:

- cutting head for removal / extraction
- cutting head for profiling and flattening
- cutting head for demolition and rock work



Model		SC 65 (B)	SC 65 (C)
Excavator weight	[t]	18 - 30	18 - 30
Weight incl. cutting drums approx.	[kg]	1350	1350
Input Power	[kW]	60	60
Peak power, max.	[kW]	70	70
max. Operating pressure	[bar]	350	350
Required Oil flow	[l/min]	120 - 200	140 - 210
Recommended Oil flow	[l/min]	160	180
Hydraulic motor	[cm ³]	1666	1884
Transmission ratio	[i]	1,3	1,3
Cutting drum speed	[min ⁻¹]	55 at 120 l/min	57 at 140 l/min
Cutting drum speed	[min ⁻¹]	92 at 200 l/min	86 at 210 l/min
Cutting head torque (at 350 bar)	[Nm]	12100	13700

Type of cutting drums		Rock	Scaling	Demolition
Cutting diameter	[mm]	615	615	615
Cutting width	[mm]	900	900	900
Number of picks		2 x 30	2 x 38	2 x 30

Surface Cutter SC Series

SC 100

The surface cutter SC 100 is available with the following cutting heads:

- cutting head for removal / extraction
- cutting head for profiling and flattening
- cutting head for demolition and rock work



Model		SC 100 (B)
Excavator weight	[t]	25 - 35
Weight incl. cutting drums approx.	[kg]	1450
Input Power	[kW]	90
Peak power, max.	[kW]	110
max. Operating pressure	[bar]	350
Required Oil flow	[l/min]	240 - 340
Recommended Oil flow	[l/min]	290
Hydraulic motor	[cm ³]	3332
Transmission ratio	[i]	1,3
Cutting drum speed	[min ⁻¹]	55 bei 240 l/min
Cutting drum speed	[min ⁻¹]	78 bei 340 l/min
Cutting head torque (at 350 bar)	Nm	24100

Type of cutting drums		Rock	Scaling	Demolition
Cutting diameter	[mm]	615	615	615
Cutting width	[mm]	900	900	900
Number of picks		2 x 30	2 x 38	2 x 30

Surface Cutter SC Series

SC 120

The surface cutter SC 120 is available with the following cutting heads:

- cutting head for removal / extraction
- cutting head for profiling and flattening
- cutting head for demolition and rock work



Model		SC 120 (A)	SC 120 (B)	SC 120 (C)
Excavator weight	[t]	30 - 45	30 - 45	30 - 45
Weight incl. cutting drums approx.	[kg]	2000	2000	2000
Input Power	[kW]	120	120	120
Peak power, max.	[kW]	170	170	170
max. Operating pressure	[bar]	375	375	375
Required Oil flow	[l/min]	260 - 400	280 - 430	330 - 500
Recommended Oil flow	[l/min]	340	380	450
Hydraulic motor	[cm ³]	3143	3494	4198
Transmission ratio	[i]	1,61	1,61	1,61
Cutting drum speed	[min ⁻¹]	51 at 260 l/min	50 at 280 l/min	49 at 330 l/min
Cutting drum speed	[min ⁻¹]	79 at 400 l/min	76 at 430 l/min	74 at 500 l/min
Cutting head torque (at 350 bar)	Nm	28200	31300	37600

Type of cutting drums		Rock	Scaling	Demolition
Cutting diameter	[mm]	716	716	716
Cutting width	[mm]	1255	1255	1255
Number of picks		2 x 32	2 x 70	2 x 32