

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 |

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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.



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 |
| Recomended 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 |