ALIVA PRODUCT CATALOG
CONCRETE SPRAYING EQUIPMENT, SYSTEMS AND ACCESSORIES
Concrete spraying equipment, systems and accessories

From highly mechanized concrete spraying systems with high spraying output and large working radii to all-purpose rotor spraying machines, Aliva Equipment provides a complete line of machines for processing wet and dry mix for shotcrete.

Processes for spraying concrete
For spraying concrete we make a distinction between:
- Thin-stream process (rotary machines)
- Dense-stream process (piston pumps)
ALIVA EQUIPMENT

ALIVA EQUIPMENT: SPECIALIST IN MANUFACTURING SHOTCRETE MACHINES

Aliva Equipment is a subsidiary of Sika, located in Widen, Switzerland. For more than half a century, Aliva Equipment has been active in the field of shotcrete as a specialist for designing and manufacturing rotor machines, concrete and dosing pumps, telescopic spraying arms and special construction systems for tunnel boring machines (TBMs).

Aliva Equipment is known for the outstanding quality and function of its concrete spraying machines and systems, which are sold and supported by over 70 representatives throughout the world. Aliva Equipment has also gained a leading position in the steel industry market in the area of refractory systems due to its technical expertise and customer-oriented solutions. Our global network of dealers and efficient order processing department allow us to serve our regional and world-wide customer's quickly and reliably.

YOUR BENEFITS
- Engineering and manufacturing from a single source
- Competitive prices by optimizing skill areas and means of production
- Lower administration effort due to process-oriented organization
- Efficient supply chain network

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GLOBAL AND LOCAL PARTNERSHIP

We have built up a well-developed global network of dealers for our products. We maintain open and active lines of communication with our dealers and value constructive, customer-oriented relationships with suppliers and customers. Our dealers regularly receive training for our new machine technologies, making them skilled technical representatives for Aliva.

Put your trust in Sika’s Aliva Equipment, too!
**INNOVATIVE TECHNOLOGIES**

**ALIVA EQUIPMENT STANDS FOR INNOVATION AND NEW TECHNOLOGIES IN THE SEGMENT OF SHOTCRETE APPLICATIONS**

Ever since its founding, Aliva Equipment has stood for innovation and the aspiration of offering customers the best possible equipment for shotcrete applications.

Aliva Equipment has substantially built up the market for rotor machines and the brand Aliva® has always been recognized as the world wide leader in quality and durability. One of the main features of the latest generation of rotor machines is that the same machine can be used for both wet and dry spraying! As a result, Aliva holds a unique position on the global market and is a one-of-a-kind technology leader for rotor machines.

Aliva Equipment has always developed and adapted its accessories to match its machines. This is evident in the introduction of the Aliva® Converto spraying device. Just as the Aliva®-257 and Aliva®-267 rotor machines can be used for wet and dry spraying, now customers can cover both applications with one spraying device. Contemplating how to design the spraying device more ergonomically and more effectively led to the all-around grip for better nozzle guidance and to the use of new materials. This also influenced the design’s shape and color, which also led us to winning the renowned Red Dot Award for Product Design in the category of Industry and crafts.

Aliva Equipment is always investing in the continued development of existing products and their applications in order to satisfy and remain faithful to the requirements of innovation and new, groundbreaking technologies in the future. That is building trust.

**PIONEERING FURTHER DEVELOPMENTS IN EQUIPMENT AND ACCESSORIES**

![Aliva® Converto spraying device](image1)

![Rubber and steel sealing plates](image2)

![Aliva® Converto Repro DN25 (joint sealing)](image3)

**ACCESSORIES:**
- Liquid dosing units for additives
- Aliva®-403.3 / -403.6
- Concrete conveying hoses original Aliva quality
- Spraying device Aliva® Converto
- Remote control etc.

**SHOTCRETE MANIPULATORS:**
- Concrete spraying system Aliva® -503.3
- Telescopic spraying arm Aliva® -302.1
- Aliva® -101 Quick Connect Spray head

**MACHINE SELECTION**

**ALL FROM ONE HAND: ACCESSORIES, SHOTCRETE MACHINES AND MANIPULATORS**

At Aliva Equipment you do not only find the ideal concrete spraying machine fitting your required output (m³/h) and shotcreted area (m²), but also the matching equipment and spraying concrete devices. Assemble your ideal shotcrete application!

**ACCESSORIES:**
- Liquid dosing units for additives
- Aliva®-403.3 / -403.6
- Concrete conveying hoses original Aliva quality
- Spraying device Aliva® Converto
- Remote control etc.

**SHOTCRETE MANIPULATORS:**
- Concrete spraying system Aliva® -503.3
- Telescopic spraying arm Aliva® -302.1
- Aliva® -101 Quick Connect Spray head

Ask our sales team for more information! Our in-house engineering department offers also customized machine design solutions, tailor-made to your special requirements. Learn more about our high quality products for your shotcrete applications.
**Aliva®-237 concrete spraying machine for dry mix**

**DESCRIPTION**
- All-purpose concrete spraying machine
- For small outputs
- Also available with 0.6 liter Rotor Repro for very small outputs used for small concrete refurbishments or for joint sealings

**VARIANTS**
- **STANDARD**: Electric drive
- **TOP**: Electric drive with output regulator
- **AIR**: Air motor drive

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**Aliva®-257 concrete spraying machine for dry and wet mix**

**DESCRIPTION**
- Concrete spraying machine for small working spaces
- For medium outputs
- Optional available with rubber sealing plates for dry mix spraying
- All variants also available on skids

**VARIANTS**
- **TOP**: Electric drive with output regulator
- **AIR**: Air motor drive with output regulator

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**Aliva®-264 concrete spraying machine for dry and wet mix**

**DESCRIPTION**
- User-friendly concrete spraying machine for use in excavation pits
- Recommended for dry mix and large output
- RLC (Rotor lifting crane). For easily replacing the gasket plates, optional
- Also available on skids

**VARIANTS**
- **BASIC**: HPD (Hopper power opener). With gas pressure spring as power assistance for easy hopper fold-down

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**Aliva®-267 concrete concrete spraying machine for dry and wet mix**

**DESCRIPTION**
- Concrete spraying machine for use with Aliva -302.3 spraying arm or Aliva -503.3 mini concrete spraying system
- For large outputs
- Recommended for wet mix spraying
- Optional available with rubber sealing plates for dry mix spraying
- All variants also available on skids

**VARIANTS**
- **STANDARD**: 1-step electric drive
- **ADVANCED**: 2-step electric drive with liquid dosing unit
- **ADVANCED PLUS**: 2-step electric drive with liquid dosing unit
- **TOP PLUS**: Infinitely variable electric drive with liquid dosing unit

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Concrete spraying equipment, systems and accessories

**Concrete pumps**

Sika®-PM 702 concrete spraying pump for wet mix

The reliable piston pump for concrete spraying.

**DESCRIPTION**

- Compact double-piston pump
- For medium outputs
- Low pulsation
- Integrated liquid dosing unit
  - Aliva®-403.6

**VARIANTS**

- DRIVE: ELECTRIC / DIESEL
  - both can be synchronized with liquid dosing unit
- PARTICLE FILTER
  - available with or without
- ON TRAILER OR WITH SKID FRAME
- ADMIXTURE TANK
  - available with or without

<table>
<thead>
<tr>
<th>Machine type</th>
<th>Controls</th>
<th>Drive</th>
<th>Output in l/min</th>
<th>Max. grain sizes in mm</th>
<th>Recommended hose sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIKA-TWIN</td>
<td>MAN</td>
<td>Electric / Diesel</td>
<td>10–200</td>
<td>14</td>
<td>DN 65</td>
</tr>
</tbody>
</table>

*For a theoretical filling level of 100%.

**Aliva®-403.3 und Aliva® -403.6 liquid dosing unit**

The very simple liquid dosing unit: Aliva®-403.3

**DESCRIPTION**

- Liquid dosing unit for additives
- For small to medium outputs

**VARIANTS**

- MANUAL: Infinitely variable electric drive

<table>
<thead>
<tr>
<th>Machine type</th>
<th>Drive</th>
<th>Output in l/min</th>
<th>Max. pump pressure in bar</th>
<th>AC-pump hose</th>
</tr>
</thead>
<tbody>
<tr>
<td>MANUAL</td>
<td>Electric</td>
<td>24–240</td>
<td>7</td>
<td>DN 19</td>
</tr>
</tbody>
</table>

**Aliva®-225.1 water booster pump**

Booster pump for increasing the pressure in the water line when dry spraying.

**DESCRIPTION**

- In order to ensure the damping of the dry mix material we recommend to use our Aliva®-225.1 booster pump when the water pressure is below 6 bar (reduction of rebound and dust)

<table>
<thead>
<tr>
<th>Drive</th>
<th>Voltage</th>
<th>Drive capacity</th>
<th>Max. pressure</th>
<th>Max. Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric</td>
<td>400V 50 Hz</td>
<td>1.1 kW</td>
<td>10 bar</td>
<td>80 liters/min</td>
</tr>
<tr>
<td>440V 60 Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>220V 50 Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Other tensions on request.

**Aliva® spraying machines for refractory gunning**

For use in the steel industry, foundries, power plants and cement plants.

**DESCRIPTION**

- Spraying systems for repair of refractory materials like refractory lining of converters, electric arc furnaces, ladles, submerged nozzles, etc.

**PRODUCTS**

- Aliva®-237 /-257 rotor machines
- Aliva®-621 conveying pressure vessel
- Aliva®-571 /-572 RH-degassing nozzle liners
- Aliva®-555 gunning unit
- Aliva®-591 slinging machine
- Spraying nozzle Aliva Converto Refractory made of steel

**Concrete spraying equipment, systems and accessories**
Aliva®-503.3 mini concrete spraying system

**Compact, flexible and efficient concrete spraying system.**

**DESCRIPTION**
- Uniquely reinforced concrete spraying system on tracked carrier with hydraulic outriggers
- Ideal in mines and even in very narrow tunnels or shafts and in excavation pits

**VARIANTS**
- **Additional outriggers**
  2 additional side outriggers (hydraulic) for up to 200° spraying angle
- **Light package**
  working head lights, driving head lights and flashing light
- **Radio control**

### Table: Aliva®-503.3 Mini Concrete Spraying System

<table>
<thead>
<tr>
<th>Machine type</th>
<th>Drive</th>
<th>Weight in kg</th>
<th>Output in m³/h</th>
<th>Spraying arm coverage area in m²</th>
<th>Remote control</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIESEL</td>
<td>Vehicle</td>
<td>2.500</td>
<td>2–8</td>
<td>Electric (15 m cable)</td>
<td>Optional radio control</td>
</tr>
<tr>
<td></td>
<td>Diesel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electric or air driven</td>
<td>2–600</td>
<td></td>
<td>Telescopic spraying arm (3 m hub)</td>
<td></td>
</tr>
</tbody>
</table>

*For spraying you need an additional rotor machine or a concrete pump.

Aliva®-302.1 telescopic spraying arm

**Robust telescopic spraying arm for the easy attachment on carriers.**

**DESCRIPTION**
- Spraying arm for small to medium tunnels
- Fast mounting on many different carriers

**VARIANTS**
- **ELECTRIC:**
  Electric hydraulic unit
  Remote control electric
- **AIR:**
  Hydraulic unit with air motor
  Remote control electric (with battery)

### Table: Aliva®-302.1 Telescopic Spraying Arm

<table>
<thead>
<tr>
<th>Machine type</th>
<th>Drive</th>
<th>Output in m³/h</th>
<th>Remote control</th>
</tr>
</thead>
</table>
| ELECTRIC     | Electric | Depending on the conveyor system | Electric (15 m cable)
|              | Air     | No              | Optional radio control |

*For spraying you need an additional rotor machine or a concrete pump.

Aliva®-101 Quick Connect spray head

**The independent system solution for concrete spraying use mounted on an excavator with quick coupler system.**

**APPLICATION**
- Excavation pits
- Slope stabilization
- Concrete repair
- Crosscuts
- Tunnel construction
- Mines
- For dry and wet spraying

**DESCRIPTION**
- Designed for the quick and easy attachment via quick coupler system on the excavator
- Mechanically connected with an adapter plate on the quick coupler system of the excavator
- Hydraulic and electric connection with excavator

### Table: Aliva®-101 Quick Connect Spray Head

<table>
<thead>
<tr>
<th>Weight in kg</th>
<th>Dimensions in mm</th>
<th>Hydraulic system</th>
<th>Variants</th>
<th>Output in m³/h</th>
<th>Hose diameter</th>
<th>Remote control</th>
</tr>
</thead>
<tbody>
<tr>
<td>210</td>
<td>Length: 1'111, Width: 350</td>
<td>max. 30 l/min, max. 150 bar</td>
<td>Electric</td>
<td>depending on the conveyor system</td>
<td>max. DN 65</td>
<td>Electric (15 m cable)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Air</td>
<td></td>
<td></td>
<td>Optional radio control</td>
</tr>
</tbody>
</table>

*For spraying you need an additional rotor machine or a concrete pump.
**Concrete Spraying Equipment, Systems and Accessories**

**Aliva® Converto Spraying Devices**

**For manually wet and dry mix spraying.**

**Description**
- Quick, easy and multifunctional in use
- Suitable for the thin-stream process
- Innovative water ring system in the thin-stream process for quickly changing from wet to dry mix spraying

**Variants**
- Converto Spraying Device / Spraying System
- Converto BackInlet
- Converto Repro
- Converto ReproFlex
- Converto Refractory

**Thin Stream Spraying Nozzles**

![Converto sprayer](image)

- Converto Spraying System
- Converto BackInlet
- Converto Repro
- Converto ReproFlex

**Innovative Water Ring System**

- Yellow Water Ring: Dry spraying
- Red Water Ring: Wet spraying

**Dense Stream Spraying Nozzles**

- For dry and wet mix spraying with a manipulator.

**Aliva® Converto RoboSpray Spraying Devices**

**For dry and wet mix spraying with a manipulator.**

**Description**
- Quick, easy and multifunctional in use
- Suitable for the thin-stream process
- For dry or wet mix spraying with a manipulator and an Aliva rotor machine
- Innovative water ring system with very robust materials

**Variants**
- Water rings for dry and wet spraying
- Optimised anti-kink spring and nozzle holder
- Robust parts and easy cleaning
- Suitable for Aliva-302.1, Aliva-503.3 and all other common manipulators
- Conveyor hose sizes: DN 50/60/65

**Thin Stream Spraying Nozzles**

![RoboSpray system](image)

- Converto Spraying System
- Converto BackInlet
- Converto Repro
- Converto ReproFlex

**Innovative Water Ring System**

- Yellow Water Ring: Dry spraying
- Red Water Ring: Wet spraying

**Dense Stream Spraying Nozzles**

- For slowly reacting accelerators
- For pre-wetting and better mixing
- For renovations and building protections
- Ideal for joint sealing

**Variants**
- Water rings for dry and wet spraying
- Optimised anti-kink spring and nozzle holder
- Robust parts and easy cleaning
- Suitable for Aliva-302.1, Aliva-503.3 and all other common manipulators
- Conveyor hose sizes: DN 50/60/65

**Concrete pump hose size:**
- DN 65

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**Concrete spraying equipment, systems and accessories**

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**Concrete spraying equipment, systems and accessories**
MODULAR CONCRETE SPRAYING SYSTEM

Aliva components for modular set up

Complete solution including concrete pump and accelerator dosing for a wide variety of carrier vehicles. You obtain optimum spraying results using the Aliva®-302.1 spraying arm and the Converto RoboSpray spraying device. As an alternative and totally independent system solution for the set up in slope stabilizations or in medium tunnels.

1 Converto RoboSpray
   High user-friendliness and specially designed for easy changing from wet to dry spraying.

2 Outrigger
   Hydraulic or manually.

3 Aliva -302.1
   The Aliva spraying arm can be used for a 2-8 m spraying range and for wet or dry shotcrete. Easily mounts onto almost any carrier vehicle.

4 Control cabinet
   For easy and centrally controlling the Aliva spraying equipment.

5 Hydraulic unit
   Features its own hydraulic unit for Aliva -302.1 spraying arm, lifting fork, and support. Standard motor with 7.5 kW or in accordance with customer request.

6 Additive tank
   Highly efficient Sika additives and fibers for all typical shotcrete applications.

7 Cable reel

8 Hose reel
   Spring-loaded for automatically rolling in and out the hose to clean with high pressure.

9 Machine lifting device
   For lowering and lifting Aliva concrete spraying machines until max. load 1600 kg. Ideal mounting system for different carriers.

10 Aliva -403.3
   The Aliva dosing unit with a simple control system for adding liquid additives for wet and dry spraying. The flow rate of the pump is between 24-240 liters/hour.

11 Aliva -403.6
   The Aliva dosing unit with a simple control system for adding liquid additives for wet and dry spraying. The flow rate of the pump is between 24-240 liters/hour.

12 Aliva -257 or Aliva -267
   Aliva -257: Aliva’s mid-sized, electric or air-powered rotor machine for flow rates of 0.7-9.6 m³/hour. It can be used for wet or dry spraying applications.
   Aliva -267: Aliva’s largest and all-purpose concrete spraying machine for flow rates of 4-21 m³/hour (variant Top Plus) lends itself to a variety of applications: Tunnel construction, mining areas, rock stabilization, etc.

13 Sika -PM 702
   The powerful and easy-to-use double-piston concrete pump for wet spraying using the densestream process. Available for outputs of 4-20 m³/hour and as an electric or diesel-powered version.

14 Compressor / Generator
   System-integrated air compressor for an efficient air supply and generator.

EXAMPLES

SET UP ON TRUCK CARRIER

1 2 3 4 5 6 7 8 9 10 11 12 13

SET UP FOR RAILS

1 4 14 5 6 7 8 9 10 11 12 13
SYSTEMS FOR TUNNEL BORING MACHINES (TBM)

Aliva® systems for TBM
Innovative and customized solutions for tunnel boring machines (TBM).

SYSTEM VARIANTS
- Shotcrete:
  - Ring mechanism
  - Bridge system (8m)
  - Telescopic spraying arm (2, 3, and 4m)
  - Concrete pump SPM-702
  - Liquid dosing unit
  - Aliva®-403.6
  - Additive tank
  - Control cabinet
  - Spraying device / head
  - Remote control (cable/radio)
  - Output up to 21 m³/h

- Pea Gravel Backfilling:
  - Rotary machine
  - Aliva®-257 or 267BF
  - Backfilling lances
  - Conveying systems
  - Level sensors
  - Control cabinet
  - Pea Gravel bins
  - Conveyor belts
  - Innovative PLC system
  - Height: 6 - 8 m

EXPERTISE COMBINED WITH INNOVATION
Customized solutions, job-specific and customer-specific machines as well as flexible manufacturing on short notice provide a significant contribution to facilitating the financially feasible construction of tunnels. The development of such machines is supported by the combination of machine technology and concrete technology as well as highly qualified and experienced designers, engineers, and development teams. Their many years of extensive experience and constant engagement with innovative technologies form the backbone of our development team's expertise, which is needed for implementing their projects in a user-friendly way.

SHOTCRETE SYSTEM FOR VERTICAL SHAFTS

Aliva® shotcrete system for vertical shafts
Customized solutions for robotic shotcrete applications in vertical shafts.

DESCRIPTION
- For vertical shaft construction in conventional shaft-sinking process or raise-boring process
- Suitable for thin- or dense stream process
- Shaft diameter: 5.5 - 9.5 m
- Spraying coverage area 3 m (hub)
- Dimensions 750 x 1150 mm
- Height: 6 - 8 m

VARIANTS / OPTIONS
- Optional with integrated equipment for concrete conveying
- Positioning outside or in the shaft center
- Additional rotary drives for nozzle positioning

SHOTCRETE SYSTEM FOR VERTICAL SHAFTS

EXPERTISE COMBINED WITH INNOVATION
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MOBILE CONCRETE SPRAYING SYSTEMS FOR MINES

SPM 4210 R with Aliva -267 rotary machine for dry and wet mix

The SPM 4210 R is the right equipment for concrete spraying in underground locations and ideal and also unique for mechanized dry and wet mix shotcreting in mining.

**ADVANTAGES:**
- Maximum flexibility
- Spraying arm with reach of 10 m
- Wireless proportional remote control for easy handling of the arm movements, regulation of concrete flow and adjustment of additive dosage
- Heavy-duty chassis with state-of-the-art axles

**Specifications and Performances**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>SPM 4210 R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>7'230 mm</td>
</tr>
<tr>
<td>Width</td>
<td>2'000 mm</td>
</tr>
<tr>
<td>Height</td>
<td>2'500 mm</td>
</tr>
<tr>
<td>Turning radius</td>
<td></td>
</tr>
<tr>
<td>outer / inner</td>
<td>6'650 mm / 3'950 mm</td>
</tr>
<tr>
<td>Spraying arm</td>
<td></td>
</tr>
<tr>
<td>Max. spraying reach</td>
<td>10 m / 8 m</td>
</tr>
<tr>
<td>vertical / horizontal</td>
<td></td>
</tr>
<tr>
<td>Min. section</td>
<td>2.5 m / 3.3 m</td>
</tr>
<tr>
<td>vertical / horizontal</td>
<td></td>
</tr>
<tr>
<td>Aliva Rotary Machine (Aliva -264 / 267)</td>
<td></td>
</tr>
<tr>
<td>Drive</td>
<td>electric</td>
</tr>
<tr>
<td>Theoretical output</td>
<td>9 -21 m³/h *</td>
</tr>
<tr>
<td>Rotor sizes</td>
<td>15.5 - 26.5 liters</td>
</tr>
<tr>
<td>Max. grain sizes</td>
<td>10 - 20 mm</td>
</tr>
<tr>
<td>Additive pump - synchronized with concrete pump</td>
<td></td>
</tr>
<tr>
<td>Adjustment range</td>
<td>60 - 500 liters / h</td>
</tr>
<tr>
<td>Additive tank</td>
<td>480 liters</td>
</tr>
<tr>
<td>Vehicle</td>
<td></td>
</tr>
<tr>
<td>Chassis</td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>Turbo Diesel, 4 cylinders, 54.7 kW</td>
</tr>
<tr>
<td>Max. speed</td>
<td>20 km / h</td>
</tr>
<tr>
<td>Climbing ability</td>
<td>35%</td>
</tr>
</tbody>
</table>

* For a theoretical filling level of 100%.


CEMKRET 8: Low-profile transporter for cement and dry mix

Cemkret 8: Compact, strong and versatile. The new low-profile transporter for mining, CEMKRET 8, has been designed and developed to transport cement and dry mix in mining operations.

**ADVANTAGES:**
- Optimises the logistics of underground mining operations
- 6-cylinder engine for high climbing and driving power
- Full safety during down slope routes with automatic speed regulation system
- Best visibility due to rear night vision camera

**Specifications and Performances**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>CEMKRET 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>7'297 mm</td>
</tr>
<tr>
<td>Width</td>
<td>2'200 mm</td>
</tr>
<tr>
<td>Height</td>
<td>2'500 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>9'200 kg (without load)</td>
</tr>
<tr>
<td>Turning radius</td>
<td></td>
</tr>
<tr>
<td>outer / inner</td>
<td>6'770 mm / 2'400 mm</td>
</tr>
<tr>
<td>Concrete drum</td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>8.25 t</td>
</tr>
<tr>
<td>Operation</td>
<td>hydraulic</td>
</tr>
<tr>
<td>Max. discharge</td>
<td>16 t / h</td>
</tr>
<tr>
<td>Speed</td>
<td>0.8 t / min</td>
</tr>
<tr>
<td>Diesel engine</td>
<td>Turbo diesel, 6 cylinders</td>
</tr>
<tr>
<td>Type</td>
<td>Transmission</td>
</tr>
<tr>
<td>Power</td>
<td>138 kW at 2,500 rpm</td>
</tr>
<tr>
<td>Transmission</td>
<td>hydrostatic with continuous variation (ICVD)</td>
</tr>
<tr>
<td>Drive</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>4 WD / 4 WS</td>
</tr>
<tr>
<td>Axles</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>heavy-duty planetary</td>
</tr>
<tr>
<td>Front</td>
<td>fixed and directional</td>
</tr>
<tr>
<td>Rear</td>
<td>swing and directional</td>
</tr>
<tr>
<td>Performance</td>
<td></td>
</tr>
<tr>
<td>Max. speed</td>
<td>20 km / h</td>
</tr>
<tr>
<td>Max. climbing ability</td>
<td>35%</td>
</tr>
</tbody>
</table>

* Maximum longitudinal gradient while driving.
ALIVA SERVICE AND ORIGINAL SPARE AND WEAR PARTS

**Aliva® service**

**OUR SERVICE:**
- Initial commissioning
- Maintenance work
- Repairs and overhauls
- Provision of rental machines and equipment
- Warranty claims and processing of complaints
- Instruction and training for machines
- General technical support from experts
- 24/7 Hotline

**Aliva® spare and wear parts**

- Spare and wear parts inspected and tested for quality
- Wear-tested and pressure-tested conveyor hoses of Aliva quality
- Longer machine service life and increased safety for the machine operator
- Fast availability from the central warehouse in Widen, Switzerland

Get in contact with us and benefit from our high-quality spare and wear parts for your Aliva concrete spraying machine!

RENTAL BUSINESS

**Aliva® rental machines**

For Germany, Austria and Switzerland we offer wide range of rental machines. We serve other countries upon request. Please contact us.

**SERVICES**
- Flexibility in your projects and machine applications
- Continuously updated rental park with Aliva’s range of machines
- Optimally maintained machines
- Option to rent-purchase

**MASCHINE TYPES**
- Rotor machines
- Liquid dosing units
- SPM-500, Aliva-503.3, SPM-702, SPM-4210
- Aliva Converto spraying devices
- Aliva -101 Quick Connect spray head
- Hoses and consumables

**Get in contact with us and benefit from our high-quality spare and wear parts for your Aliva concrete spraying machine!**
ABOUT US
Aliva Equipment is a subsidiary of SIKA, located in Widen, Switzerland. For more than half a century, Aliva Equipment has been active in the field of shotcrete as a specialist for designing and manufacturing rotor machines, concrete and dosing pumps, telescopic spraying arms and special construction systems for tunnel boring machines (TBMs). Aliva Equipment is known for the outstanding quality and function of its concrete spraying machines and systems, which are sold and supported by over 70 representatives throughout the world. Aliva Equipment has also gained a leading position in the steel industry market in the area of refractory systems due to its technical expertise and customer-oriented solutions. Our global network of dealers and efficient order processing department allow us to serve our regional and world-wide customers quickly and reliable.

FOR MORE INFORMATION ON ALIVA EQUIPMENT:

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