

# LDA 92

## Lumesa Drilling Attachment



### Lightweight, powerful chain feed

Attachable crawler track to 12 t excavator with the latest technology, high manoeuvrability (360° turn, 90° swivel and 600 mm shift) and very high torque. The drilling attachment is simply mounted to the excavator by means of a quick hitch and without tools. The control unit and the optional power supply are located in a package on the mount. The drill mast is radio remote controlled. The most important drilling parameters can be read on a digital display on the radio control.

Optionally, a walking foot can be mounted for use on a walking excavator. A clamping and breaking device also allows for cased drilling.

### Best suited for:

- Self-drilling anchors (*KSB* R 32, R 38, R 51, T 76) up to max D 100 mm drill holes.
- Blast hole rock drilling
- cased drilling
- Working on the walking excavator



## Technical specifications

### LDA 92

#### Specifications



<b>Operating weight excavator t</b>		> 12
<b>Weight <sup>1</sup></b>	kg	1'400 / 1'600
<b>Oil requirement</b>	l/min / bar	120 / 230
<b>Feed / Retrait force</b>	kN	40
<b>Torque max.</b>	daNm	212
<b>Feed</b>	mm	3'540
<b>Dimensions</b>	mm	4'600 / 1'200 / 1'850
<b>Chain feed profil</b>	BL	92
<b>Rotate</b>	Degree	360
<b>Swivel</b>	Degree	0-90
<b>Clamp</b>	mm	25 - 146
<b>Top hammer</b>	daNm	106 / 212
<b>Rotary drive</b>	daNm	212
<b>Double head</b>	daNm	on request

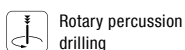
#### Deliverable with

<b>Hydraulic control panel</b>	
<b>Radio or cabel control</b>	<b>inclusive</b>
<b>Digital display radio control</b>	optional
<b>Anti jamming system</b>	<b>inclusive</b>
<b>Adjustable percussion mechanism</b>	<b>inclusive</b>
<b>Threaded gear</b>	on request
<b>Swivel 90°</b>	<b>inclusive</b>
<b>Breaking device</b>	optional
<b>Drilling guide</b>	optional
<b>Internal power supply</b>	optional
<b>Central lubrication</b>	optional
<b>Telescopic chain feed</b>	on request
<b>Walking foot</b>	optional
<b>Vacuum cleaning</b>	on request
<b>Rod magazine</b>	on request
<b>Pulling winch</b>	on request

#### Drilling methods Application ideal Application conditionally possible

		33	45	57	76	89
<b>Blast hole / Rock drilling</b>	ø mm	33	45	57	76	89
<b>KSB® Anchor drilling</b>	ø anchor	R32	R38	R51	T76	T114
<b>Rotate- / Downhole Drilling</b>	ø mm	70	90	140	178	250
<b>Casing drilling</b>	ø mm	114	133	152	178	219
<b>Core drilling</b>	ø mm	100	131	146	200	254
<b>Injection connector</b>	inch	1"				

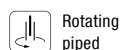
1. Without safety device according to standard EN16228



Rotary percussion drilling

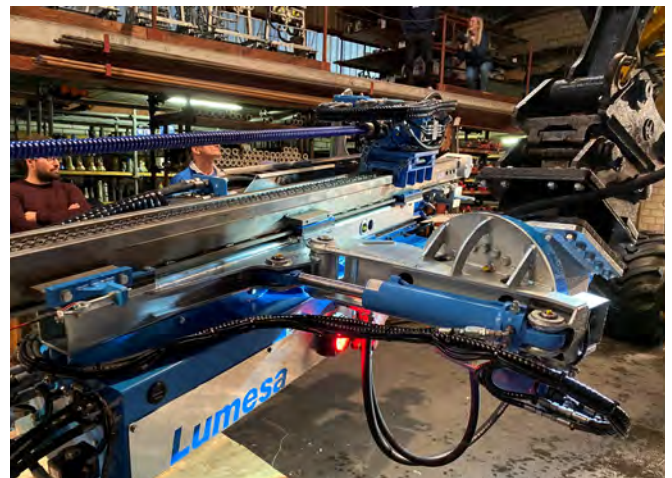
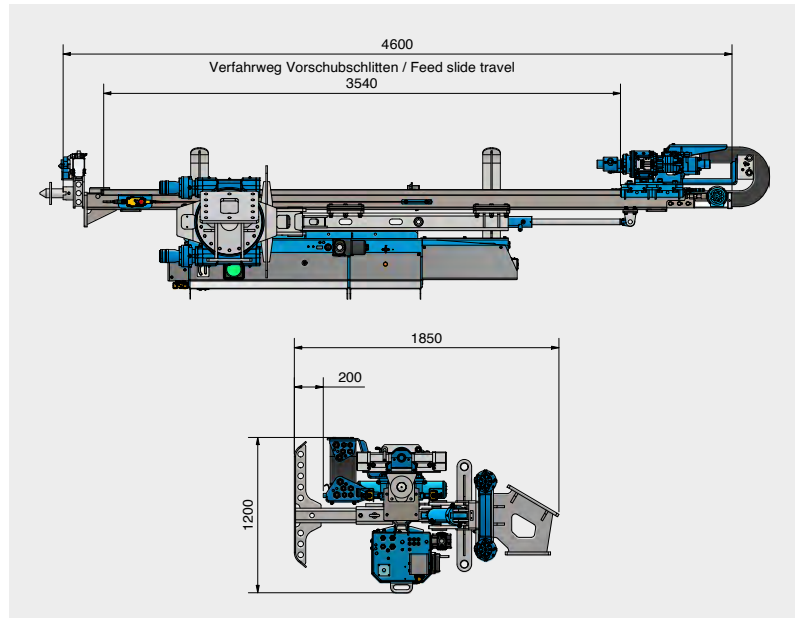


Rotating unpipied



Rotating piped

## System drawing



# Drill Rig built on mast

## Overview














LDA 91 Mounity

LDA 91

LDA 92

LDA 92P

### Specifications

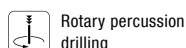
		 	 	  	   
Operating weight excavator t		> 6	> 8	> 12	> 16
Weight <sup>1</sup>	kg	550	770	1'400 / 1'600	1'800 / 2'000
Oil requirement	l/min / bar	60 / 200	110 / 230	120 / 230	160 / 230
Feed / Retrait force	kN	20	20	40	40
Torque max.	daNm	180	212	212	500
Feed		on request	3'300	3'540	3'540
Dimensions		on request	4'550 / 620 / 900	4'600 / 1'200 / 1'850	4'900 / 1'200 / 1'850
Chain feed profil	BL	91	91	92	92
Rotate	Degree	360	360	360	360
Swivel	Degree	±90	± 90	0 – 90	0 – 90
Clamp		25 – 146	25 – 146	25 – 146	30 – 170
Top hammer	daNm	150	106 / 212	106 / 212	250 / 500
Rotary drive	daNm	on request	on request	212	500
Double head	daNm			on request	on request

### Deliverable with

Hydraulic control panel		<b>inclusive</b>			
Radio or cabel control		optional	<b>inclusive</b>	<b>inclusive</b>	<b>inclusive</b>
Digital display radio control		optional	optional	optional	optional
Anti jamming system		optional	<b>inclusive</b>	<b>inclusive</b>	<b>inclusive</b>
Adjustable percussion mechanism		<b>inclusive</b>	<b>inclusive</b>	<b>inclusive</b>	<b>inclusive</b>
Threaded gear		optional	on request	on request	on request
Swivel 90°			optional	<b>inclusive</b>	<b>inclusive</b>
Breaking device				optional	optional
Drilling guide			optional	optional	optional
Internal power supply		optional	optional	optional	optional
Central lubrication		optional	optional	optional	optional
Telescopic chain feed			on request	on request	on request
Walking foot		optional	optional	optional	optional
Vacuum cleaning		optional	on request	on request	on request
Rod magazine				on request	on request
Pulling winch			on request	on request	on request

Blast hole / Rock drilling	ø mm	33	45	57	76	89	33	45	57	76	89	33	45	57	76	89	33	45	57	76	89
KSB® Anchor drilling	ø anchor	R32	R38	R51	T76	T114	R32	R38	R51	T76	T114	R32	R38	R51	T76	T114	R32	R38	R51	T76	T114
Rotate- / Downhole Drilling	ø mm	70	90	140	178	250	70	90	140	178	250	70	90	140	178	250	70	90	140	178	250
Casing drilling	ø mm	114	139	168	178	219	114	139	168	178	219	114	133	152	178	219	114	133	152	178	219
Core drilling	ø mm	100	131	146	200	254	100	131	146	200	254	100	131	146	200	254	100	131	146	200	254
Injection connector	inch			3/8"					3/8"					1"					1"		

1. Without safety device according to standard EN16228



Rotary percussion drilling



Rotating unpiped



Rotating piped



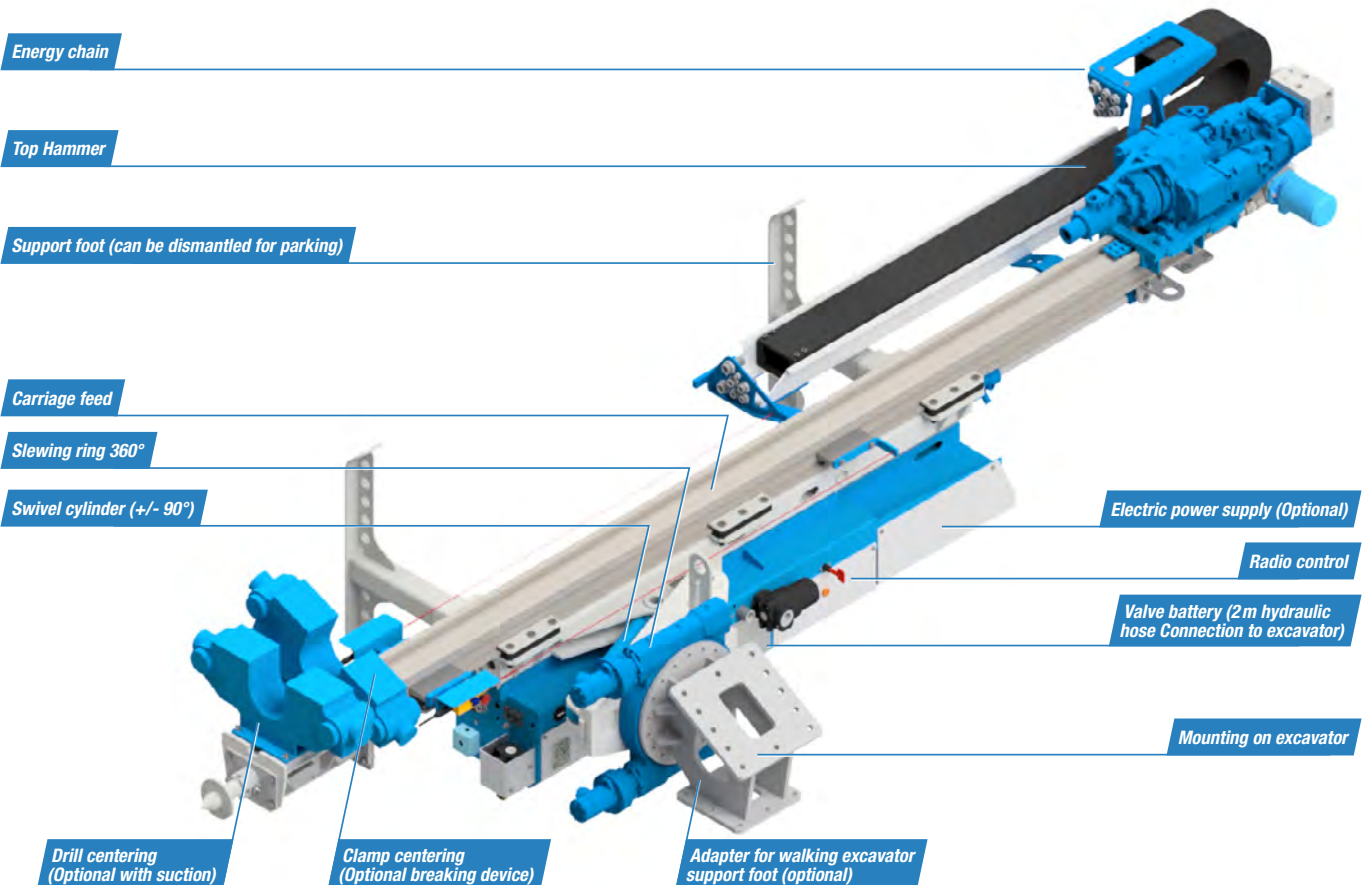
Rotary impact with damping system

# LDA Drill Rigs Built on Mast

## Lumesa Drilling Attachment

Based on the standard system, **Lumesa** Austria produces together with **Lumesa** Switzerland customized drill rigs for every application. By means of a checklist, precise customer briefing and professional advice, an exact requirements profile is drawn up, which serves as the basis for the construction of the drill mount. The great flexibility enables efficient, individual system solutions for the respective needs and requirements on the construction site. No intervention in the excavator hydraulics is required!

### ■ Designation of the components

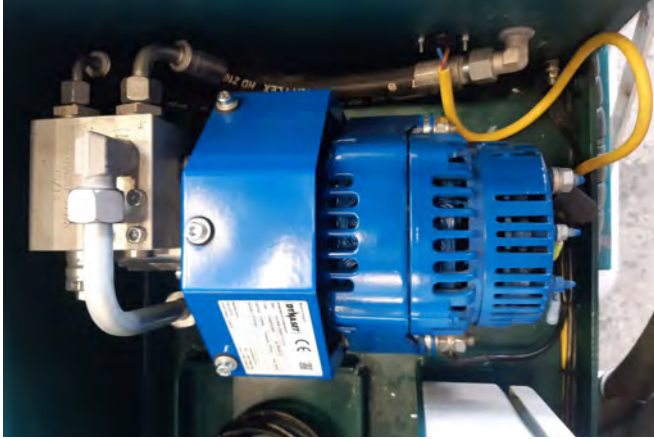


### ■ Drilling positions



# Accessories

## Generator



## Pulling winch attached to the underside of the chain feed



## Suction hood



## Walking foot easily demountable

