

# LDA 92P

## Lumesa Drilling Attachment



Heavy-duty attachable crawler on 16 t excavator with state-of-the-art technology, high manoeuvrability, (360° rotation, 90° swivel and 600 mm displacement) very high torque and retraction forces. The drilling attachment is simply mounted to the excavator by means of a quick hitch and without tools. The control system as well as the optional power supply is 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. A drilling angle display as well as an anti-jaming system make the drill rig even more efficient.

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 92P

#### Specifications



<b>Operating weight excavator t</b>		> 16
<b>Weight <sup>1</sup></b>	kg	1'800 / 2'000
<b>Oil requirement</b>	l/min / bar	160 / 230
<b>Feed / Retrait force</b>	kN	40
<b>Torque max.</b>	daNm	500
<b>Feed</b>	mm	3'540
<b>Dimensions</b>	mm	4'900 / 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	30-170
<b>Top hammer</b>	daNm	250 / 500
<b>Rotary drive</b>	daNm	500
<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

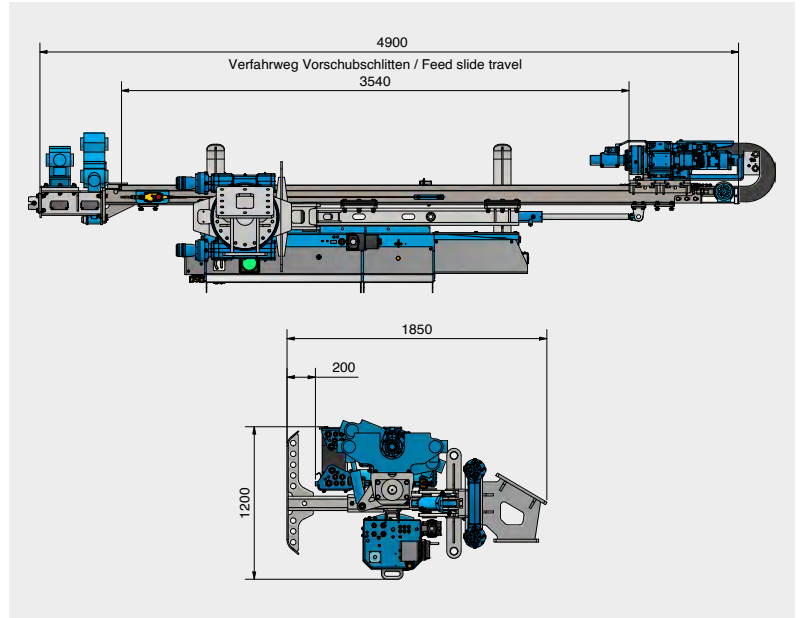
#### Drilling methods Application ideal Application conditionally possible

		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>	inch	100	131	146	200	254
<b>Injection connector</b>	mm	1"				

1. Without safety device according to standard EN16228



## System drawing



# Portable Chain Feeds

## Overview



Mounty® 90 L

Mounty® 90 H

Mounty® 91 H

Mounty® 92 H

### Specifications



<b>Operating weight excavator t</b>				> 2	> 3
<b>Weight <sup>1</sup></b>	kg	> 45	> 50	> 110	> 140
<b>Oil requirement</b>	l/min / bar		55 / 200	60 / 200	100 / 200
<b>Feed / Retrait force</b>	kN	9	12	20	40
<b>Torque max.</b>	daNm	90	140	180	500
<b>Feed</b>	mm	1'300 / 1'800 / 2'300	1'300 / 1'800 / 2'300	1'300 / 1'800 / 2'300	1'300 / 1'800 / 2'300
<b>Dimensions (LxBxH)</b>	mm	2'160 / 580 / 650	2'160 / 580 / 500	2'220 / 580 / 500	2'315 / 584 / 600
<b>Chain feed profil</b>	BL	90	90	91	92
<b>Fixing plate for scaffolding tube</b>		inclusive	inclusive	inclusive	inclusive
<b>Rotary plate for scaffolding tube</b>		inclusive	inclusive	inclusive	inclusive
<b>Clamp</b>	mm		25 – 116	25 – 146	25 – 181
<b>Top hammer</b>	daNm	35	103	103	150
<b>Rotary drive</b>	daNm	90	140	140	800
<b>Double head</b>	daNm				

### Deliverable with

<b>Hydraulic control panel</b>	inclusive	inclusive	inclusive	inclusive
<b>Radio or cabel control</b>	optional	optional	optional	optional
<b>Digital display radio control</b>				
<b>Anti jamming system</b>				
<b>Adjustable percusion mechanism</b>				
<b>Injection pump control</b>	optional	optional	optional	optional
<b>Threaded gear</b>				
<b>Swivel 90° (mechanical)</b>	optional	optional	optional	optional
<b>Breaking device</b>	optional	optional	optional	optional
<b>Drilling guide</b>	inclusive	inclusive	inclusive	inclusive
<b>Rack back stay</b>	inclusive	inclusive	inclusive	inclusive

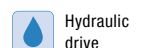
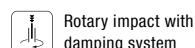
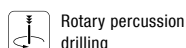
### Requirements hydraulic power units

<b>Weight</b>	kg	390 / 700	390 / 700	> 510
<b>Engine power</b>		18 / 43	18 / 43	(18) / 43
<b>Fuel</b>				
<b>Hose length</b>	m	20 + 7	20 + 7	20 + 7

### Drilling methods Application ideal Application conditionally possible

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

1. Without safety device according to standard EN16228



# Drill Rig built on mast

## Overview



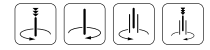
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### Specifications



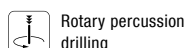
<b>Operating weight excavator t</b>		> 6	> 8	> 12	> 16
<b>Weight <sup>1</sup></b>	kg	550	770	1'400 / 1'600	1'800 / 2'000
<b>Oil requirement</b>	l/min / bar	60 / 200	110 / 230	120 / 230	160 / 230
<b>Feed / Retrait force</b>	kN	20	20	40	40
<b>Torque max.</b>	daNm	180	212	212	500
<b>Feed</b>		on request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

### Deliverable with

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

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

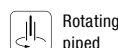
1. Without safety device according to standard EN16228



Rotary percussion drilling



Rotating unpiped



Rotating piped



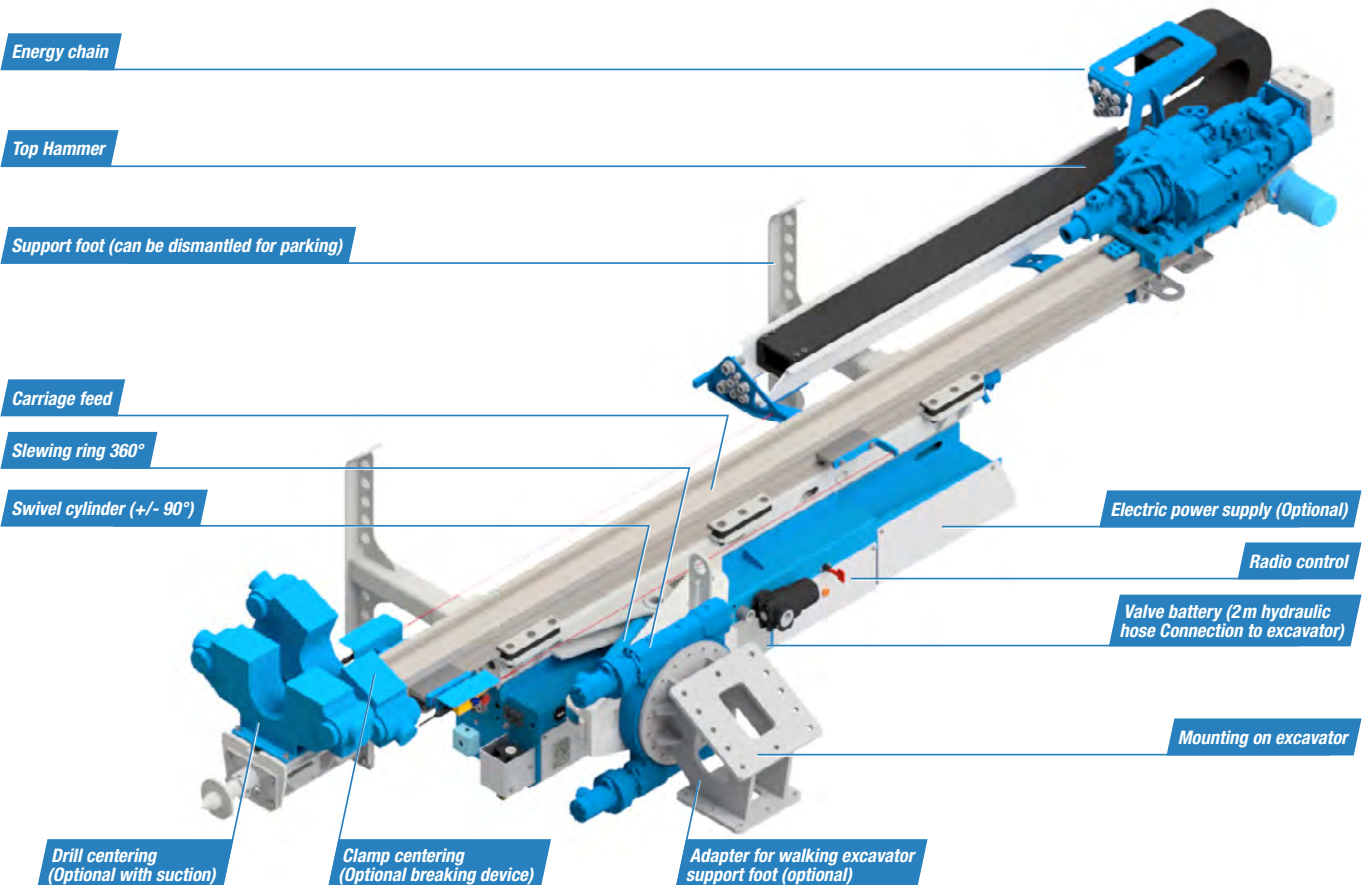
Rotary impact with damping system

# 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

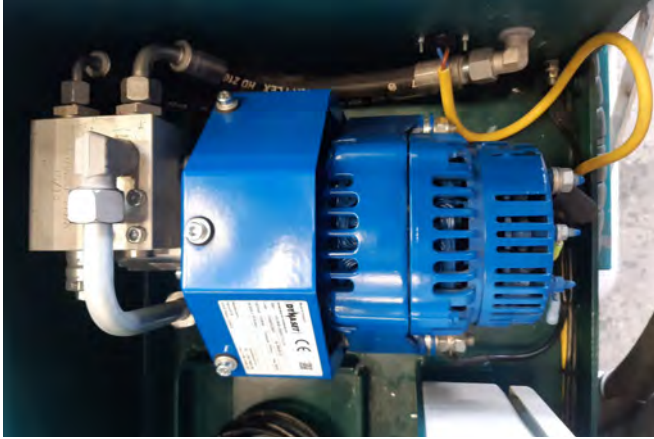


### ■ Drilling positions



# Accessories

## Generator



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



## Suction hood



## Walking foot easily demountable

