

LDA 92P

Lumesa Drilling Attachment



INOX

High-power drilling attachment

Drilling Attachment for excavators from 16t with the latest technology and very high torque in combination with heavy pullback force. Maximum mobility with 360° slew, 0-90° tilt and 750 mm feed shift. The drilling attachment is mounted to the excavator without tools using a quick coupler. The compact hydraulic box for valve command and radio receiver is located on the feed holder. The drilling attachment is fully radio-controlled. The most important drilling parameters are shown on a digital display on the radio remote control. The drilling angle display as well as automatic anti-jamming (AFA) and gear shift make working with this drilling attachment even more efficient. An optional powerbox supplies the required control voltage directly to the drilling attachment, no supply via the excavator is required.

Optionally, a walking foot can be mounted for use on a walking excavator (spider excavator). An optional breaking device also enables cased drilling. Conversion to LDA 92P DH (double head) is possible at any time.

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

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LDA 92P

Specifications



Operating weight excavator t		> 16
Weight ¹	kg	1'550 / 1'750
Oil requirement	l/min / bar	165 / 230
Feed/Pullback force	kN	40
Torque max.	daNm	500
Feed stroke	mm	3'540
Dimensions (LxBxH)	mm	4'900 / 1'050 / 1'700
Drill feed profile	BL	92
Slew	Degree	360
Tilt	Degree	0–90
Clamping device	mm	30–180
Top hammer	daNm	250 / 500
Rotary head	daNm	on request
Double head	daNm	

Deliverable with

Hydraulic control panel	
Radio remote control	
Radio remote control with display	inclusive
Anti-jamming automatic	inclusive
Adjustable percussion mechanism	inclusive
Thread synchronization	on request
Tilt 0–90°	inclusive
Breaking device	optional
Drill guide	optional
Powerbox (control voltage)	optional
Lubrication pump drill drive	optional
Rotary union	on request
Walking foot with swamp plate	optional
Dust collector	on request
Rod handler	on request
Cable winch	optional

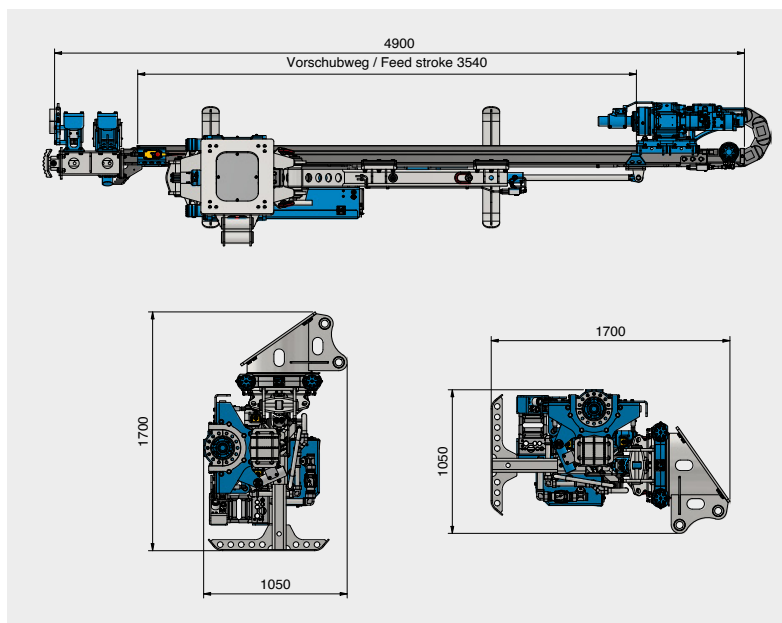
Drilling methods Application ideal Application conditionally possible

Blast hole / Rock drilling	ø mm	33	45	57	76	89
KSB® Anchor drilling	ø anchor	R32	R38	R51	T76	T114
Rotary-/Down-the-hole (DTH) drilling	ø mm	70	90	140	178	250
Cased drilling	ø mm	114	133	152	178	219
Core drilling	ø mm					
Injection port	inch				1"	

1. Without safety device according to standard EN16228



System drawing



LDA Excavator mounted drill feeds

Overview



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COMING
SOON

NEW

INOX

LDA 91 Mounty®

LDA 91

LDA Flexi

Specifications



Operating weight excavator t		> 6	> 8	> 12
Weight ¹	kg	550	770 / 1'150	1'000 / 1'150
Oil requirement	l/min / bar	60 / 200	120 / 230	120 / 230
Feed/Pullback force	kN	20 / 40	20	20
Torque max.	daNm	500	212	212
Feed stroke	mm	on request	3'300	2'800 + 500
Dimensions (LxBxH)	mm	on request	4'350 / 850 / 780	3'850 (4'350) / 1'050 / 1'700
Drill feed profile	BL	91 / 92	91	92
Slew	Degree	360	360	360
Tilt	Degree	±90	0 – 90	0 – 90
Clamping device		25 – 146	25 – 146	30 – 180
Top hammer	daNm	150	106 / 212	106 / 212
Rotary head	daNm	on request	on request	on request
Double head	daNm			

Deliverable with

Hydraulic control panel	inclusive		
Radio remote control	optional	inclusive	
Radio remote control with display	optional	optional	inclusive
Anti-jamming automatic	optional	inclusive	inclusive
Adjustable percussion mechanism	inclusive	inclusive	inclusive
Thread synchronization	optional	on request	on request
Tilt 0 – 90°		optional	inclusive
Breaking device		on request	optional
Drill guide	optional	optional	optional
Powerbox (control voltage)	optional	optional	optional
Lubrication pump drill drive	optional	optional	optional
Rotary union		on request	on request
Walking foot with swamp plate	optional	optional	optional
Dust collector	optional	on request	on request
Rod handler		on request	
Cable winch		on request	

Blast hole / Rock drilling	ø mm	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
Rotary-/Down-the-hole (DTH) drilling	ø mm	70	90	140	178	250	70	90	140	178	250	70	90	140	178	250
Cased drilling	ø mm	114	139	168	178	219	114	139	168	178	219	114	139	168	178	219
Core drilling	ø mm	100	131	146	200	254										
Injection port	inch			3/8"					1"					1"		

1. Without safety device according to standard EN16228



Rotary percussion
drilling **KSB®**



Rotating
unpiped



Rotating
piped



Rotary impact with
damping system



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LDA 92



INOX

LDA 92P

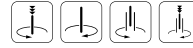


NEW

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LDA 92P DH

Specifications



Operating weight excavator t		> 12	> 16	> 18
Weight ¹	kg	1'375 / 1'500	1'550 / 1'750	1'850 / 2'050
Oil requirement	l/min / bar	120 / 230	165 / 230	170 / 230
Feed/Pullback force	kN	40	40	40
Torque max.	daNm	212	500	500
Feed stroke	mm	3'540	3'540	3'540
Dimensions (LxBxH)	mm	4'675 / 990 / 1'700	4'900 / 1'050 / 1'700	4'900 / 1'050 / 1'700
Drill feed profile	BL	92	92	92
Slew	Degree	360	360	360
Tilt	Degree	0 – 90	0 – 90	0 – 90
Clamping device		30 – 180	30 – 180	30 – 180
Top hammer	daNm	106 / 212	250 / 500	
Rotary head	daNm	on request	on request	
Double head	daNm			500 / 250

Deliverable with

Hydraulic control panel

Radio remote control

Radio remote control with display	inclusive	inclusive	inclusive
Anti-jamming automatic	inclusive	inclusive	inclusive
Adjustable percussion mechanism	inclusive	inclusive	
Thread synchronization	on request	on request	on request
Tilt 0 – 90°	inclusive	inclusive	inclusive
Breaking device	optional	optional	inclusive
Drill guide	optional	optional	optional
Powerbox (control voltage)	optional	optional	optional
Lubrication pump drill drive	optional	optional	optional
Rotary union	on request	on request	on request
Walking foot with swamp plate	optional	optional	optional
Dust collector	on request	on request	
Rod handler	on request	on request	
Cable winch	optional	optional	optional

Blast hole / Rock drilling	ø mm	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	
Rotary-/Down-the-hole (DTH) drilling	ø mm	70	90	140	178	250	70	90	140	178	250	
Cased drilling	ø mm	114	133	152	178	219	114	133	152	178	219	114 133 152 178 219
Core drilling	ø mm											
Injection port	inch			1"					1"			1"

1. Without safety device according to standard EN16228

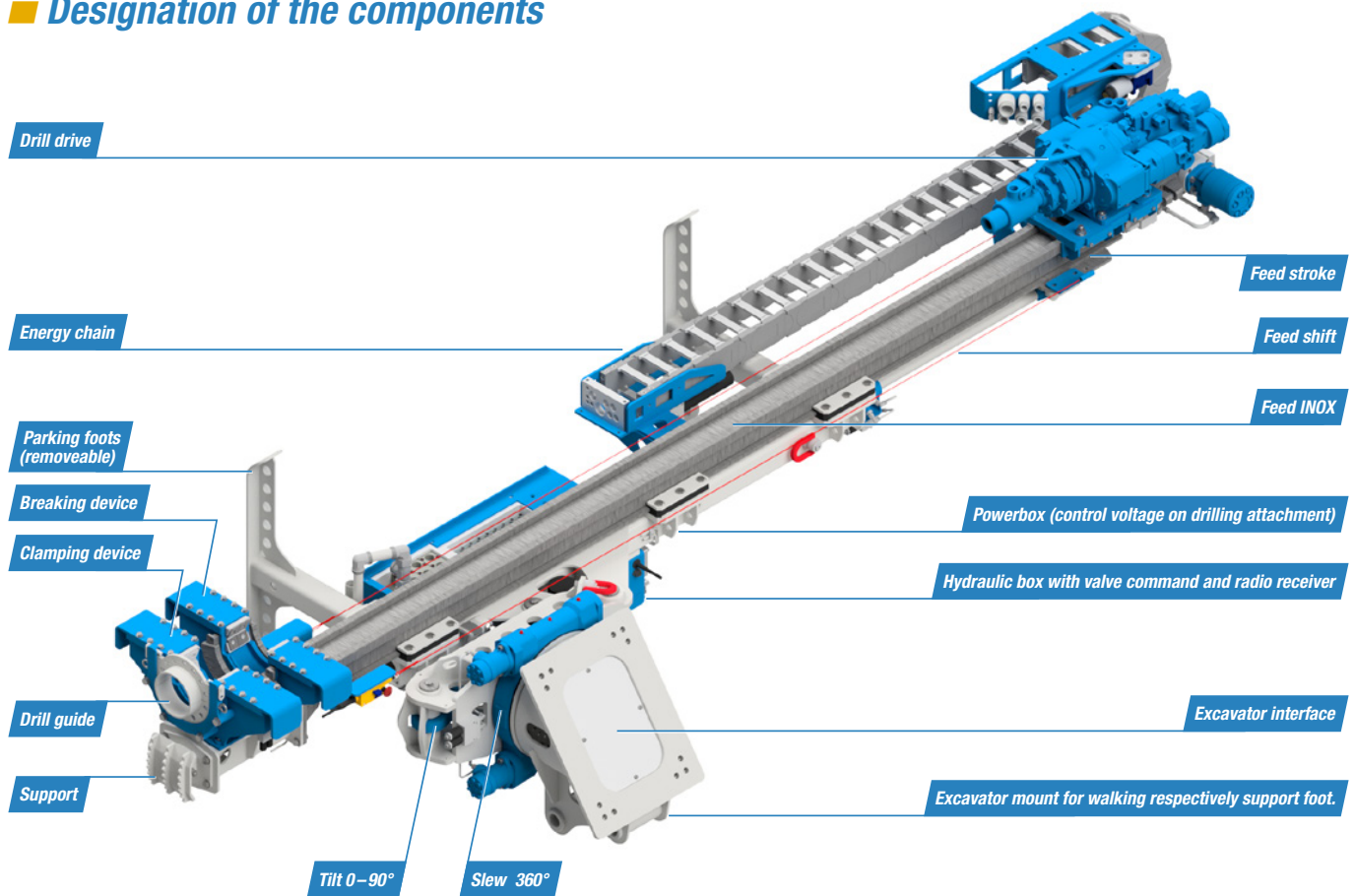
Rotary percussion
drilling **KSB®**Rotating
unpipedRotating
pipedRotary impact with
damping system

LDA Excavator mounted drill feeds

Lumesa Drilling Attachment

Based on the standard system, **Lumesa** manufactures customized drilling attachments for every application. Using a checklist, precise customer briefing and professional advice, an exact requirement profile is created, which serves as the basis for the construction of the drilling attachment. The high level of flexibility enables efficient, individual system solutions for the respective needs and requirements on the construction site. No change in the excavator hydraulics is necessary. All drilling attachments are designed for operation with guards in accordance with DIN EN 16228-1.

■ Designation of the components



■ Drilling positions



Accessories

Powerbox (control voltage)



Cable winch *mounted to the underside of the drill feed*



Dust collector



Walking foot *easy to remove*

