LUMESA Catalog 2026/2027



Simply drilling

Lumesa
Drilling Technology

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LUMESA – Simply Drilling

For more than 45 years, ***Lumesa*** stands for innovative drilling and injection technologies in special foundation construction. With locations in Switzerland and Austria, the company develops highly functional drill feeds and hydraulic powerpacks that are used worldwide. The heart of this technology is the almost wear-free INOX drill feed profile, which, in combination with powerful drill drives, is optimally tailored to the respective application. The modular design and advanced operating options make ***Lumesa*** drilling attachments the ideal choice for demanding projects.



Simply INOX – The Secret of Longevity

INOX

Lumesa uses high-strength, stainless steel (INOX) – a material combination that impresses with its high strength, surface hardness and minimal roughness. The result: minimal wear, reduced maintenance and maximum durability. Thanks to the superior material quality, ***Lumesa*** drill feeds remain reliable and efficient even after years of use. Less downtime, lower operating costs and a sustainable economic advantage – that is Simply INOX.



Simply Drilling – The promise to customers

Lumesa equipment impress with:

- ☑ Reliability and durability – an investment that pays off over many years.
- ☑ Easy handling – intuitive operation for efficient processes.
- ☑ Innovative technology – maximum efficiency and safety on the construction site.
- ☑ INOX quality – High-quality stainless steel for low-maintenance and maximum service life.



Mounty® Portable Drill Feeds

Safety in the mountains

The installation of protective structures places high demands on technology, precision, and flexibility. To meet these requirements, ***Lumesa SA*** develops innovative and portable solutions.

While protective structures were previously built predominantly using crawler drill rigs, the drilling systems manufactured by ***Lumesa*** enable a significantly more flexible and adaptable workflow – particularly where conventional machinery reaches its limits.

The modular system is based on various components that can be combined into drilling systems across three size classes. Depending on the model, individual components range from 40 to 50 kg for lighter machines with a torque of up to 1,400 Nm, up to 80 to 120 kg for heavy-duty machines with a torque of up to 5,000 Nm.

Matching accessories are also of particular importance: tools, drill rods, and casings can reach a combined weight of up to one metric ton. For a safe and efficient drilling process, drill strings, hammers, and casing pipes must therefore be optimally matched to the specific application.

Since the drilling process with portable drilling systems differs significantly from that with crawler drill rigs, ***Lumesa*** focuses on customized consultation and application-specific solutions. We support you in selecting the right drilling systems, provide the required tools, and ensure that all components are perfectly matched to one another.









Portable Drill Feeds

Overview









Specifications		Mounty® 90 L	Mounty® 90 H	Mounty® 91 H	Mounty® 92 H
Operating weight excavator	t			> 2	> 3
Weight [1]	kg	> 45	> 50	> 110	> 140
Oil requirement	l/min / bar		50 / 200	50 / 200	100 / 200
Feed/Pullback force	kN	9	12	20	40
Torque max.	daNm	90	140	180	725
Feed stroke	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
Dimensions (LxBxH)	mm	2'160 / 580 / 650	2'160 / 580 / 500	2'220 / 580 / 500	2'315 / 584 / 600
Drill feed profile	BL	90	90	91	92
Fixing plate for scaffolding tube		inclusive	inclusive	inclusive	inclusive
Rotary plate for scaffolding tube		inclusive	inclusive	inclusive	inclusive
Clamping device	mm		25 – 146	25 – 146	25 – 181
Top hammer	daNm	35	103	103 / 150	150
Rotary head	daNm	90	140	180	725
Double head	daNm				

Deliverable with

	Mounty® 90 L	Mounty® 90 H	Mounty® 91 H	Mounty® 92 H
Hydraulic control panel	inclusive	inclusive	inclusive	inclusive
Radio or cable remote control	optional	optional	optional	optional
Radio remote control with display				
Anti-jamming automatic				
Adjustable percussion mechanism				
Injection pump control	optional	optional	optional	optional
Thread synchronization				
Slew 90° (mechanical)	optional	optional	optional	optional
Breaking device	optional	optional	optional	optional
Drill guide	inclusive	inclusive	inclusive	inclusive
Rack back stay	inclusive	inclusive	inclusive	inclusive

Requirements hydraulic power units

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

Drilling methods

Application ideal | Application conditionally possible

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
Rotary-/Down-the-hole (DTH) drilling	ø mm	70	90	140	178	250	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	114	139	168	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 port	inch	3/8"					3/8"					3/8"					3/8"				

1. Without safety device according to standard EN16228

Rotary percussion drilling ***KSB®*** | Rotating unpiped | Rotating piped | Rotary impact with damping system | Pneumatic drive | Hydraulic drive

Mounty® 90 L

Portable Drill Feeds





INOX

Lightweight, portable drill feed, fully pneumatic, ideal for all handy drilling operations; can be used with down-the-hole hammer as well as with drill hammer. Uncoiled for easy mounting on any type of scaffolding; suitable for wall work.

- Drill feed, fixing plate for scaffolding tubes, combination guide retraction force 9 kN / 6 bar.
- Rotary head 900 Nm / 6 bar
- Control panel with oiler and hoses
- Rack back stay support 2.2 – 3.6 m

Mounty® 90 L package

- Mounty® 90 L, feed length 1.30, 1.80 or 2.3 m
- Rotary head NLL
- Control panel SLL
- Rack back stayg





Technical specifications

Mounty® 90 L

Specifications

Operating weight excavator	*t*	
Weight [1]	*kg*	> 45
Oil requirement	*l/min / bar*	
Feed/Pullback force	*kN*	9
Torque max.	*daNm*	90
Feed stroke	*mm*	1'300 / 1'800 / 2'300
Dimensions (LxBxH)	*mm*	2'160 / 580 / 650
Drill feed profile	*BL*	90
Fixing plate for scaffolding tube		inclusive
Rotary plate for scaffolding tube		inclusive
Clamping device	*mm*	
Top hammer	*daNm*	35
Rotary head	*daNm*	90
Double head	*daNm*	

Deliverable with

Hydraulic control panel	inclusive
Radio or cable remote control	optional
Radio remote control with display	
Anti-jamming automatic	
Adjustable percussion mechanism	
Injection pump control	optional
Thread synchronization	
Slew 90° (mechanical)	optional
Breaking device	optional
Drill guide	inclusive
Rack back stay	inclusive

Requirements hydraulic power units

Weight	*kg*
Engine power	*kW*
Fuel	
Hose length	*m*

Drilling methods

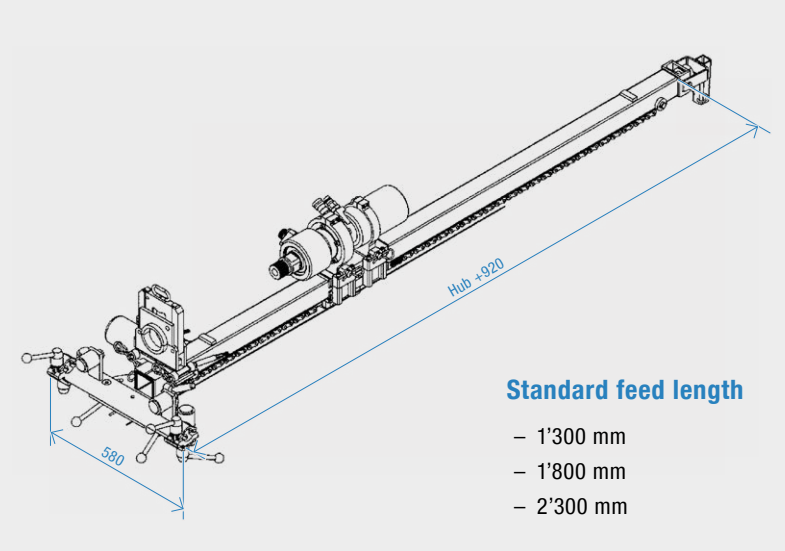
Application ideal | Application conditionally possible

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	139	168	178	219
Core drilling	*ø mm*	100	131	146	200	254
Injection port	*inch*			3/8"		

1. Without safety device according to standard EN16228

Rotary percussion drilling ***KSB®*** | Rotating unpiped | Pneumatic drive

System drawing



Standard feed length

- 1'300 mm
- 1'800 mm
- 2'300 mm





Mounty® 90 H

Portable Drill Feeds



INOX

Avalanche construction and renovations

Portable hydraulic drill feed, ideal for all handy drilling work; can be used with down-the-hole hammer and drill hammer (pneumatic or hydropneumatic) as well as for core drilling. Designed for easy mounting on any type of scaffolding and suitable for wall work. Very light and handy.

Lightweight drill feed for:

- scaffolding
- nailing
- blast hole drilling
- micropiling
- core drilling
- exploratory drilling
- diamond drilling

Mounty® 90 H package

- Mounty® 90 H, feed length 1.30, 1.80 or 2.4 m
- Hydroclamp HZ 100
- Rotary head NL3
- Remote controlled panel SF3
- Rack back stay
- Powerpack KSD91





Technical specifications

Mounty® 90 H

Specifications

Operating weight excavator	*t*	
Weight [1]	*kg*	> 50
Oil requirement	*l/min / bar*	50 / 200
Feed/Pullback force	*kN*	12
Torque max.	*daNm*	140
Feed stroke	*mm*	1'300 / 1'800 / 2'300
Dimensions (LxBxH)	*mm*	2'160 / 580 / 500
Drill feed profile	*BL*	90
Fixing plate for scaffolding tube		inclusive
Rotary plate for scaffolding tube		inclusive
Clamping device	*mm*	25 – 146
Top hammer	*daNm*	103
Rotary head	*daNm*	140
Double head	*daNm*	

Deliverable with

Hydraulic control panel	inclusive
Radio or cable remote control	optional
Radio remote control with display	
Anti-jamming automatic	
Adjustable percussion mechanism	
Injection pump control	optional
Thread synchronization	
Slew 90° (mechanical)	optional
Breaking device	optional
Drill guide	inclusive
Rack back stay	inclusive

Requirements hydraulic power units

Weight	*kg*	390 / 700
Engine power	*kW*	18 / 43
Fuel		Diesel / Electric
Hose length	*m*	20 + 7

Drilling methods

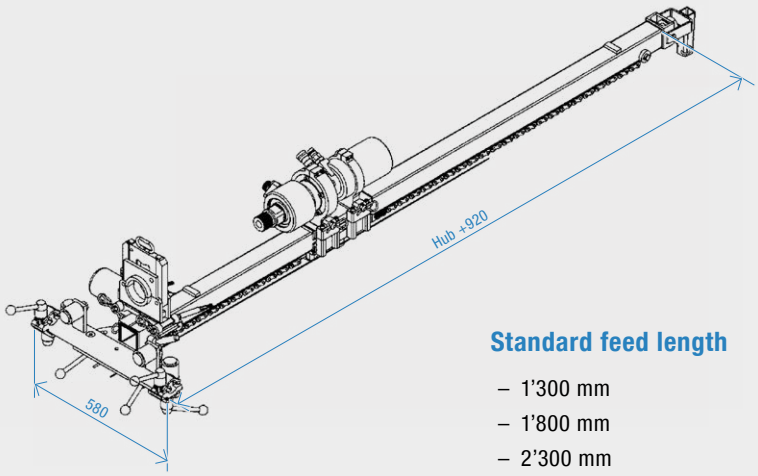
Application ideal | Application conditionally possible

Blast hole / Rock drilling	*ø mm*	33	45	57	76	89
KSB® Anchor drilling	*ø anchor*	R32	R38	R51	T76	T114
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Cased drilling	*ø mm*	114	139	168	178	219
Core drilling	*ø mm*	100	131	146	200	254
Injection port	*inch*			3/8"		

1. Without safety device according to standard EN16228

Rotary percussion drilling ***KSB®*** | Rotating unpiped | Rotating piped | Hydraulic drive

System drawing



Standard feed length

- 1'300 mm
- 1'800 mm
- 2'300 mm





Mounty® 91 H

Portable Drill Feeds



INOX

Drill feed for compact excavators

Portable hydraulic drill feed, excellently suited for all work with down-the-hole hammer, hammer drill or core drill. Can be mounted on all scaffolds or on any structure. In the S version, the feed motor can be mounted either at the front or at the rear. Versatile application possibilities: An excellent compromise between lightness and stability.

Lightweight drill feed for:

- Anchor hole drilling
- Micropiling
- Core drillings
- Exploratory drilling
- HDI drilling

Mounty® 91 H package

- Mounty® 91 H, feed length 1.3 m, 1.8 m or 2.4 m
- Rotary head NL2
- Hydroclamp HZ 100
- Remote controlled panel SF3
- Rack back stay
- Powerpack KSD91





Technical specifications

Mounty® 91 H

Specifications		
Operating weight excavator	t	> 2
Weight [1]	kg	> 110
Oil requirement	l/min / bar	50 / 200
Feed/Pullback force	kN	20
Torque max.	daNm	180
Feed stroke	mm	1'300 / 1'800 / 2'300
Dimensions (LxBxH)	mm	2'220 / 580 / 500
Drill feed profile	BL	91
Fixing plate for scaffolding tube		inclusive
Rotary plate for scaffolding tube		inclusive
Clamping device	mm	25 – 146
Top hammer	daNm	103 / 150
Rotary head	daNm	180
Double head	daNm	

Deliverable with

Hydraulic control panel	inclusive
Radio or cable remote control	optional
Radio remote control with display	
Anti-jamming automatic	
Adjustable percussion mechanism	
Injection pump control	optional
Thread synchronization	
Slew 90° (mechanical)	optional
Breaking device	optional
Drill guide	inclusive
Rack back stay	inclusive

Requirements hydraulic power units

Weight	kg	390 / 700
Engine power	kW	18 / 43
Fuel		Diesel / Electric
Hose length	m	20 + 7

Drilling methods

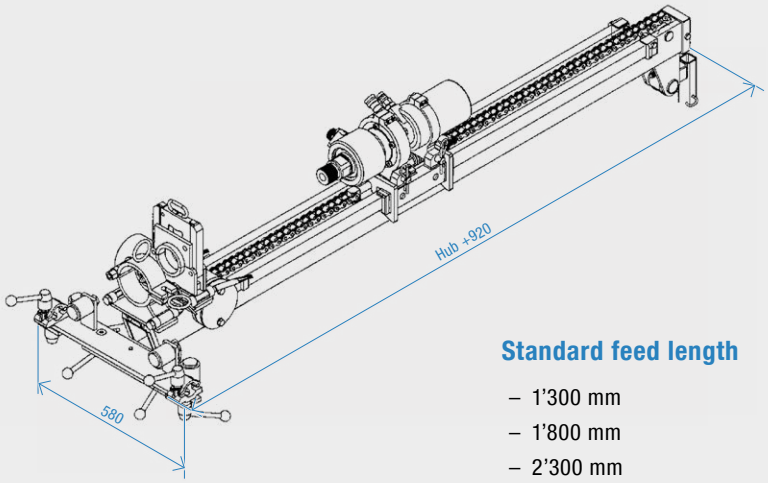
Application ideal | Application conditionally possible

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	139	168	178	219
Core drilling	ø mm	100	131	146	200	254
Injection port	inch			3/8"		

1. Without safety device according to standard EN16228

Rotary percussion drilling ***KSB®*** | Rotating unpiped | Rotating piped | Hydraulic drive

System drawing



Standard feed length

- 1'300 mm
- 1'800 mm
- 2'300 mm





Mounty® 92 H

Portable Drill Feeds



INOX

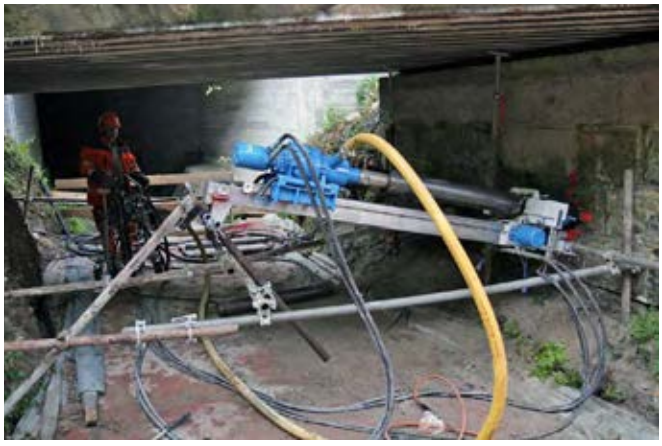
For heavy anchor work

Hydraulic, portable heavy drill feed, suitable for heavy duty work. It can be used for down-the-hole hammer, hammer drill or for core drilling and can be mounted on a scaffold or on any structure. In the S version, the feed motors can be mounted either at the front or at the rear.

Lightweight drill feed for:

- Anchor hole drilling
- Micropile drilling
- Overburden drilling





Technical specifications

Mounty® 92 H

Specifications

Operating weight excavator	t	> 3
Weight [1]	kg	> 140
Oil requirement	l/min / bar	100 / 200
Feed/Pullback force	kN	40
Torque max.	daNm	725
Feed stroke	mm	1'300 / 1'800 / 2'300
Dimensions (LxBxH)	mm	2'315 / 584 / 600
Drill feed profile	BL	92
Fixing plate for scaffolding tube		inclusive
Rotary plate for scaffolding tube		inclusive
Clamping device	mm	25 – 181
Top hammer	daNm	150
Rotary head	daNm	725
Double head	daNm	

Deliverable with

Hydraulic control panel	inclusive
Radio or cable remote control	optional
Radio remote control with display	
Anti-jamming automatic	
Adjustable percussion mechanism	
Injection pump control	optional
Thread synchronization	
Slew 90° (mechanical)	optional
Breaking device	optional
Drill guide	inclusive
Rack back stay	inclusive

Requirements hydraulic power units

Weight	kg	>510
Engine power	kW	(18) / 43
Fuel		Diesel / Electric
Hose length	m	20 + 7

Drilling methods

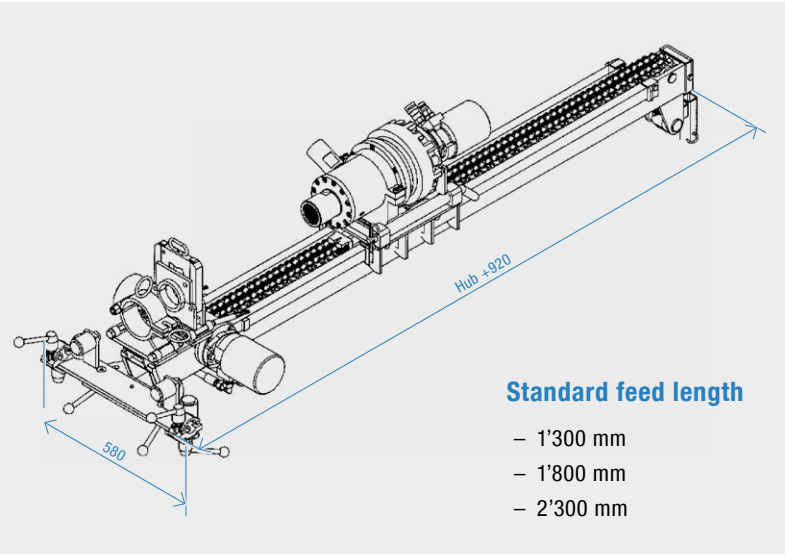
Application ideal | Application conditionally possible

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	139	168	178	219
Core drilling	ø mm	100	131	146	200	254
Injection port	inch	3/8"				

1. Without safety device according to standard EN16228

Rotary percussion drilling ***KSB®*** | Rotating unpiped | Rotating piped | Rotary impact with damping system | Hydraulic drive

System drawing



Standard feed length

- 1'300 mm
- 1'800 mm
- 2'300 mm





Diesel & Electric Power Packs

Hydraulic power units transportable by helicopter

Diesel Hydraulic Power Packs







		KSD 91	KSD 91 F/M	KSD 93 F/M
Weight [1]	kg	390	500/450	800/740
Oil output at 200 bar	l/min	55(45)*	50	100
Engine power	kW	16.9	16.9	43.7
Engine	Typ	Yanmar 3 Cyl.	Yanmar 3 Cyl.	Yanmar 4 Zyl.
Engine cooling		Water	Water	Water
Revolutions	rpm	3'200	3'200	2'900
Particulate filter				Yes
Homologation		Stage V	Stage V	Stage V
Sound insulation			inclusive	inclusive
Length max.	mm	1'480	1'600	1'800
Width max.	mm	640	800	800
Height max.	mm	1'100	1'174	1'370
Radio control		optional	inclusive/optional	inclusive/optional
Use on drill feed		90 / 91	90 / 91 / (92)	90 / 91 / 92

Electric hydraulic power units









		KSE 90	KSE 91	KSE 92	KSE 92B
Weight	kg	225	370	550	550
Oil output at 200 bar	l/min	40	60	100	120
Engine		Electro	Electro	Electro	Electro
Engine power	kW	11 (20 A)	22 (40 A)	30 (55 A)	37 (60 A)
Power supply	Volt	400	400	400	400
Length max.	mm	1'320	1'500	1'600	1'600
Width max.	mm	670	650	750	750
Height max.	mm	1'000	1'100	1'150	1'150
Radio control		optional	optional	optional	optional
Use on drill feed		90 / 91	90 / 91 / 92	90 / 91 / 92	90 / 91 / 92

Control panels

manual and radio







		SEL	SE 3/8	SE 1/2	SH 1/2 Hammer	SF 1/2
Drive		air	hydraulic	hydraulic	hydraulic	hydraulic
Operation		manual	manual	manual	manual	radio
Weight	kg	40	80	120	160	55
Oil capacity at 200 bar	l/min		50	100	100	100
Function						
Rotation		×	×	×	×	×
Feed		×	×	×	×	×
Tongs			×	×	×	×
Hammer		×			×	(UBH)
Air purge		×	×	×	×	×
Use on drill feeds		90 L	90 / 91 / 92	90 / 91 / 92	(90) / 91 / 92	90 / 91 / 92
To aggregate type			KSD 91 KSE 90 / KSE 91	KSD 93 / KSE 92 / KSE 92B	KSD 93 / KSE 92 / KSE 92B	All KSE

Pneumatic drive

hydraulic drive

Oiler on rack



Article no.	Use on drill feeds
SM 5495	All drill feeds possible

Available with water separator

Set of hoses



Type	Length
Control panel (12 sets of hoses)	7 m (20m/40 m for radio)
Power pack control panel (3 sets of hoses)	5m/10m/20m/40m/50m (0.8m for radio)

Exact length on request



manual control panels

hydraulic, maintenance-free direct control panels



Radio control

Lumesa also offers a radio control panel instead of a manual hydraulic control panel. The big advantage is the flexibility in drilling and much less weight compared to the manual control panel.

Powerpack KSD 91 F/M

Mounty® Click



INOX

Description

The KSD 91 F/M power unit is equipped with a 16.9 kW Yanmar engine. It complies with current emission standards : it is Stage V certified and the hydraulics are controlled by a gear switching pump. The hydraulic block is integrated in the structure (max. lenght of hydraulic hoses 40 m). The block is removable and can be extended up to 80 meters (40 m + 40 m). An oiler and a motorized valve to switching the air flow are included in the package.

The unit is acoustically isolated.

Main advantages

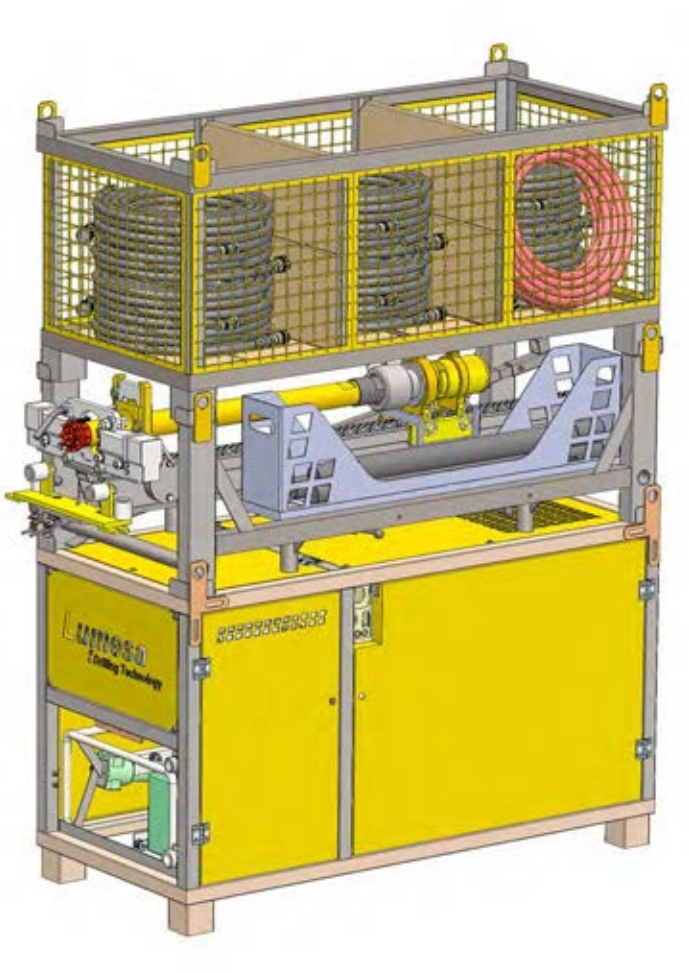
- Radio controlled
- Stage V engine
- Transportable by helicopter
- Compatible with all drill feeds
- Stainless steel frame
- Easy to operate
- Stackable (Mounty® Click system)
- Air control on / off
- Removable hydraulic block





Technical data

		KSD 91 F/M
Weight	kg	500/450
Length	mm	1‘600
Width	mm	800
Height	mm	1‘174
Oil capacity at 200 bar	ℓ/min	50
Oil tank	ℓ	40
Diesel tank	ℓ	20
Function		Rotation Feed Tongs Air purge on/off



Mounty® Click



Valve frame



Remote control

Powerpack KSD 93 F/M

Mounty® Click



INOX

Description

The KSD 93 F/M power unit is equipped with a 43.7 kW Yanmar engine. It complies with current emission standards : it is Stage V certified and the hydraulics are controlled by a variable geometry load-sensing pump. The hydraulic block is integrated in the structure (max. lenght of hydraulic hoses 40 m). The block is removable and can be extended up to 50 meters (10 m + 40 m). An oiler and a motorized valve to regulate the air flow are included in the package.

The unit is acoustically isolated.

Main advantages

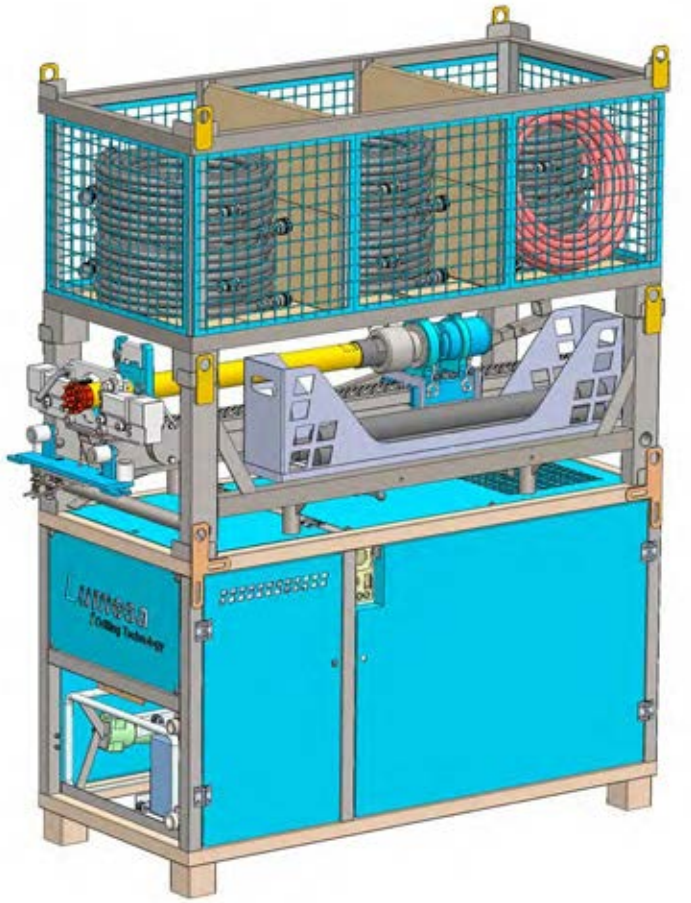
- Radio controlled
- Stage V engine
- Transportable by helicopter (800 kg)
- Compatible with all drill feeds
- Stainless steel frame
- Easy to operate
- Stackable (Mounty® Click system)
- Hydraulic load sensing
- Motor control
- Proportional air control
- Removable hydraulic block





Technical data

		KSD 93 F/M
Weight	kg	800/740
Length	mm	1‘800
Width	mm	800
Height	mm	1‘370
Oil capacity at 200 bar	ℓ/min	100
Oil tank	ℓ	60
Diesel tank	ℓ	20
Function		Rotation Feed Tongs / Engine power Impact mechanism Air purge Motor on/off Motor speed
Radio Controll Reach	m	100
Hose length	m	40



Mounty® Click



Valve frame



Remote control

Rotary Heads

High-speed and normal runners

Normal runner NL



NLL



Nl1 / NL1a / NL1b



NL2 / NL3 / NL4

		NLL	NL1	NL1a	NL1b	NL2	NL2a	NL3
Drive		air	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
Weight	kg	38	85	85	80	36	35	33
Torque max.	daNm	90	725	500	280	180	160	140
Speed max.	rpm		35	55	90	60	80	100
Air requirement	m³/min	4 @ 6						
Oil requirement	l/min		86 @ 200	86 @ 200	86 @ 200	46 @ 200	46 @ 200	46 @ 200
Oil requirement per revolution	cm³		2'450	1'650	980	780	625	470
Transmission ratio		1	5.17	5.17	5.17	1	1	1
Shaft		Rd50 AG/API 2 3/8 IG	API 2 3/8 IG			Rd50 AG / API 2 3/8 IG		
Flushing head		G 1 1/4 (Rd46)						
Suitable for drill feeds		90 L	92	92	92	92 / 91	92 / 91	92 / 91 / 90

Rotary Heads NL

Standard version, including a highly efficient flushing head that can be used with air, water and mortar. Available in various sizes (torque).

Ideal for down-the-hole hammers with casing tubes and ***Lumetrix*** eccentric core bits for casing drilling.



Rotary Heads NLL

Pneumatic version, including heavy duty flushing head.



Pneumatic drive

hydraulic drive

Fast runner SL



SL16 – SL11

		SL16	SL15	SL14	SL13	SL12	SL11
Drive		hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
Weight	kg	22	28	29	29	30	30
Torque max.	daNm	22	26	40	56	68	80
Speed max.	rpm	1'075	860	610	440	360	310
Air requirement	m^3/min						
Oil requirement	l/min	86 @ 200	86 @ 200	86 @ 200	86 @ 200	86 @ 200	86 @ 200
Oil requirement per revolution	cm^3	80	100	140	195	240	280
Transmission ratio		1	1	1	1	1	1
Shaft		Rd50 AG / API 2 3/8 IG					
Flushing head		G 1 1/4 (Rd46)					
Suitable for drill feeds		92 / 91 / 90	92 / 91 / 90	92 / 91 / 90	92 / 91 / 90	92 / 91 / 90	92 / 91 / 90

Rotary Heads SL

High rotation version, including flushing head. Available in different sizes (U/min)

Suitable for diamond core drilling





hydraulic drive

Top Hammers

Lumesa universal top hammer






		BH90	UBH90	UBH90	HBH91
Drive		pneumatic	pneumatic	pneumatic / hydraulic	hydraulic
Weight	*kg*	30	55	55	76
Torque max.	*daNm*		35 / 15	71 / 103	71 / 103 / 150
Speed max.	*rpm*	190	75 / 230	200 / 140	200 / 140 / 70
Impact frequency max.	*1/min*	2'500	2'500	2'500	2'500 ÷ 4'500
Impact energy/power	*Nm (KW)*	180	205	205	157
Air requirement	*m³/min bar*	5 @ 6	5 @ 6	4 @ 6	
Oil requirement	*l/min bar*			20 ÷ 40 / 175	45 ÷ 90 @ 175
Insertion end	*Typ R*	22 × 108	R25, R32, R38	R25, R32, R38, R51	R25, R32, R38, R51
	Typ IB		30, 40	30, 40, 52	30, 40, 52
Suitable for drill feeds	*Typ*	90 / 91	90 / 91	90 / 91 / 92	91 / 92

pneumatic drive · hydraulic drive · Rotary percussion drilling ***KSB®***



Adapter plate for drill hammer -H-

Article no.	*BL90*	*BL91*	*BL92*
921301		×*	×

* without BL91H

BH90 (pneumatic)

Universal top hammer UBH90 for ***KSB®*** self-drilling anchors.
Simple version for integral rods and KSB® self-drilling anchors.



UBH90 (pneumatic)

Pneumatic rotation and percussion.
For rock drill rods and KSB® self-drilling anchors.

UBH90 (hydraulic / pneumatic)

Lightweight and dynamic high performance top hammer, pneumatic percussion and hydraulic rotation. Can be supplied with different torques.
For rock drill rods and KSB® self-drilling anchors.



HBH91 (hydraulic)

Hydraulic drilling machine with high frequency, fully hydraulic. Can be supplied with different torques. Excellent ratio between power and weight.
For rock drill rods and KSB® self-drilling anchors.

Hydroclamps







		HZ 100	HZ 180	Hydraulic Breaking Device
Weight	*kg*	20	40	200
Closing force	*kN*	100	180	180
Breaking torque	*kNm*			20
Clamping range Ø 116	*mm*	25 – 116		
Clamping range Ø 146	*mm*	55 – 146	30 – 154	
Clamping range Ø 181	*mm*		90 – 181	30 – 160
Use on drill feed		90 / 91 / 92	91 / 92	55 – 180

Light and efficient

For blocking and breaking up drill rods and chuck tubes. The ***Lumesa*** HZ 100 & 180 are characterized by a very light (20 kg – 40 kg) operating weight. Optionally, a breaking device can also be installed. This is especially helpful when using an external casing.



Double base for HBV plate
Support for hydraulic crusher







Centerings

Accessories portable Mounty® Drill Feeds 90 / 91 / 92

Combi guide



Article no.	Diameter	SW
901500.063	63	40, 50
901500.078	78	50, 60, 70
901500.081	81	50, 60, 70
901500.096	96	50, 60, 70

Suitable for all drill feeds, except BL92 HBV.

Rock drill rod guide



Article no.	Diameter
901500.025	25
901500.032	32
901500.038	38
901500.045	45

Suitable for all drill feeds, except BL92 HBV.

Tubex guide



Article no.	Diameter
901520.054	54
901520.064	64
901520.076	76
901520.084	84
901520.098	98
901520.113	113
901520.115	115
901520.129	129
901520.133	133
901520.140	140
901520.143	143
901520.152	152

Suitable for all drill feeds, except BL92 HBV.

Simple fixing plate



Article no.	BL90	BL91	BL92
901350	×		

Double fixing plate



Article no.	BL90	BL91	BL92
901360	×		

Wedge mounting plate



Article no.	BL90	BL91	BL92
901351	×		×*

* without BL92H and BL92 HBV

Fixing accessories

Accessories portable Mounty® Drill Feeds 90 / 91 / 92

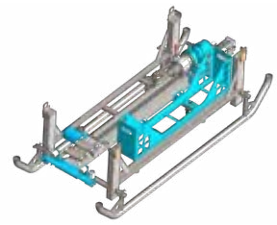
Mounty® Click
Base frame for transport and operation



Article no.	BL90	BL91	BL92
	×	×	×*

* without BL92 HBV

Mounty® Click
Base frame with skid for transport and operation



Article no.	BL90	BL91	BL92
	×	×	×*

* without BL92 HBV

Mounty® Click – material container



Article no.

Mounty® Click – drum container



Article no.

Sliding scaffold plate



Article no.	BL90	BL91	BL92
901530.01	×		

Simple scaffolding plate
to be fixed to the tube



Article no.	BL90	BL91	BL92
911650		×	
921670			×

Scaffolding plate
to be fixed to the tube



Article no.	BL90	BL91	BL92
911660		×	
921680			×

Buckling plate
to be fixed with dowels



Article no.	BL90	BL91	BL92
901352	×	×	×

Rack back stay



Article no.	L	Hub
SM 5490	1800	1200
SM 5490	2800	1200

Back stay support
for rack back stay



Article no.	BL90	BL91	BL92
911640		×	
921660			×

Special accessories

Dust collector Mounty® E900H

		E900H
Weight	kg	140
Oil requirement	l/min	25
Oil pressure	bar	80÷100
Dimensions	mm	510 × 520 H = 1'716
Drill pipe max.	mm	ø 60
Air quantity max.	m^3/min	10
Air hose max.	m	20
Filter surface	m^2	7.2



Required powerpack to operate with E900H

Drive	KSD91	KSD93F	KSE91	KSE92
Down-the-hole hammers	additional PP (KSD91)	ideal	additional PP (KSD91)	ideal
UBH90	additional PP (KSD91)	ideal	additional PP (KSD91)	ideal
HBH91		additional PP (KSD91)		
Eurodrill		additional PP (KSD91)		

The dust collector Mounty® E900H is designed for use in rock drilling to reduce the high level of dust formation. The reduction of pollution and consequently the request of health is achieved by the E900H. Typical application is the usage for rock drilling or blast holes with air flushing. The filter cleaning is guaranteed by backwashing.

Other models on request.



Special accessories

Hydraulic casing pulling units



		HZV 15-400	HZV 18-400	HZV 22-800
			Light and efficient To extract the casing tubes	
Pulling force	*kN*	400	400	800
	bar		250	
Total weight	*kg*	165	168	365
Base plate	*kg*	40	38	95
Pulling cylinder	*kg*	75	75	150
Pulling unit with wedges	*kg*	50	55	120
Feed	*mm*		250	
Diameter	*mm*	63÷159	145÷185	168÷219

- 1. Base plate
- 2. Pulling cylinder / pulling force 400 kN / 250 bar
- 3. Pulling unit with insert
- 4. Pulling slip
  Ø 113 mm
  Ø 143 mm
  Ø 152 mm
  Ø 170 mm
  Ø 176 mm



1



2



3



4





Universal Mounting Plate

For Drill Feeds Type 91 H and 92 H







Hydraulic rotary head		UAP 90	UAP 91	UAP 92
Weight	kg	190	280	370
Swivel moment	Nm	2'700	4'500	6'800
Holding moment	Nm	5'400	9'000	13'600
With treadle rollover				
Swivel element		± 90°	± 90°	± 90°
Rollover		360°	360°	360°
Pullout cylinder	mm	200 – 1'000	200 – 1'000	200 – 1'000

For use from various types of equipment, simple base plate matched to carrier equipment. For use in the calotte area, the drill feed can be turned 180° in a few easy steps thanks to the sliding rails on the rear.

The control can be either manual or with a radio control.





Point (Shoe)



Article no.	BL90	BL91	BL92
901630	×	×	
921640			×*

* without BL92 HBV

Point (Rail)



Article no.	BL90	BL91	BL92
911630		×	
921650			×*

* without BL92 HBV



Mounty® H 92 S, diameter 216 mm, length 40 m, test drilling by the dam Illsee, Leuk, Switzerland

Lumesa Drilling Attachment



LDA Excavator mounted drill feeds

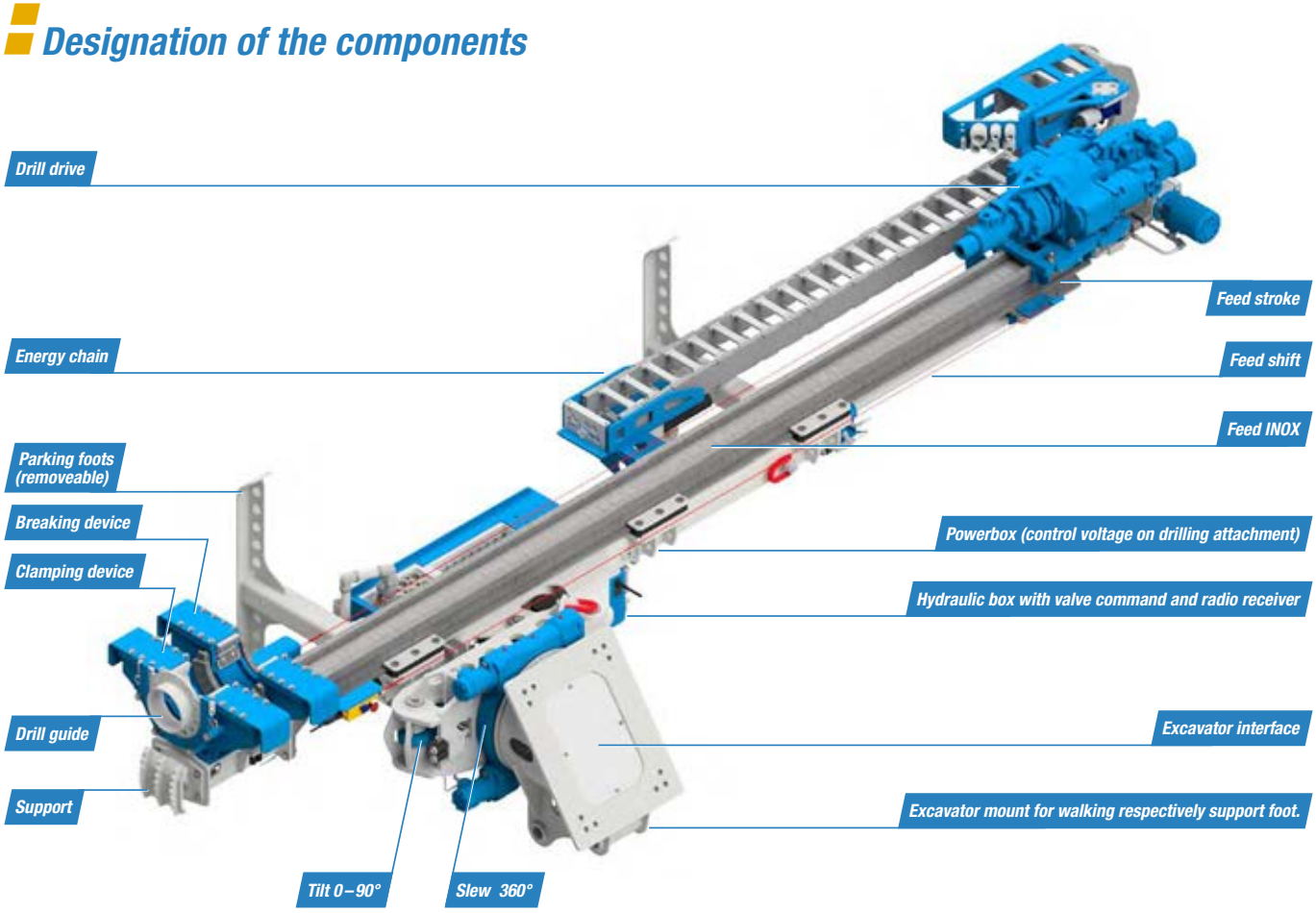
Lumesa Drilling Technology

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



Slope stabilization



Head hole drilling



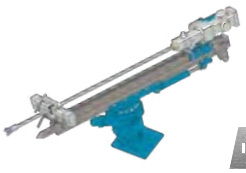
Trench drilling



Advance drilling

LDA Excavator mounted drill feeds

Overview







Specifications		LDA 91 Mounty®	Mounty® Connect	LDA 91
Operating weight excavator	t	> 6	> 4	> 8
Weight [1]	kg	550	340 – 400	770 / 1'150
Oil requirement	l/min / bar	60 / 200		120 / 230
Feed/Pullback force	kN	20 / 40	20 – 40	20
Torque max.	daNm	500		212
Feed stroke	mm	on request	1'300 – 3'000	3'300
Dimensions (LxBxH)	mm	on request	1'700 / 1'350 / 750	4'550 / 1'000 / 850
Drill feed profile	BL	91 / 92	92 / 92	91
Slew	Degree	360	360	360
Tilt	Degree	±90	±90	0 – 90
Clamping device		25 – 146		25 – 146
Top hammer	daNm	150		106 / 212
Rotary head	daNm	on request		on request
Double head	daNm			

Deliverable with

	LDA 91 Mounty®	Mounty® Connect	LDA 91
Hydraulic control panel	inclusive		
Radio remote control	optional	inclusive	inclusive
Radio remote control with display	optional		optional
Anti-jamming automatic	optional	inclusive	inclusive
Adjustable percussion mechanism	inclusive	inclusive	inclusive
Thread synchronization	optional	on request	on request
Tilt 0 – 90°		optional	optional
Breaking device		optional	on request
Drill guide	optional	optional	optional
Powerbox (control voltage)	optional	optional	optional
Lubrication pump drill drive	optional	optional	optional
Rotary union			on request
Walking foot with swamp plate	optional		optional
Dust collector	optional		on request
Rod handler			on request
Cable winch		on request	on request

		LDA 91 Mounty®					Mounty® Connect					LDA 91				
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







Specifications

		LDA 92	LDA 92P	LDA 92P DH
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	2'700
Dimensions (LxBxH)	mm	4'750 / 1'100 / 1'700	4'950 / 1'100 / 1'700	4'950 / 1'100 / 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

	LDA 92	LDA 92P	LDA 92P DH
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

		LDA 92					LDA 92P					LDA 92P DH				
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®***

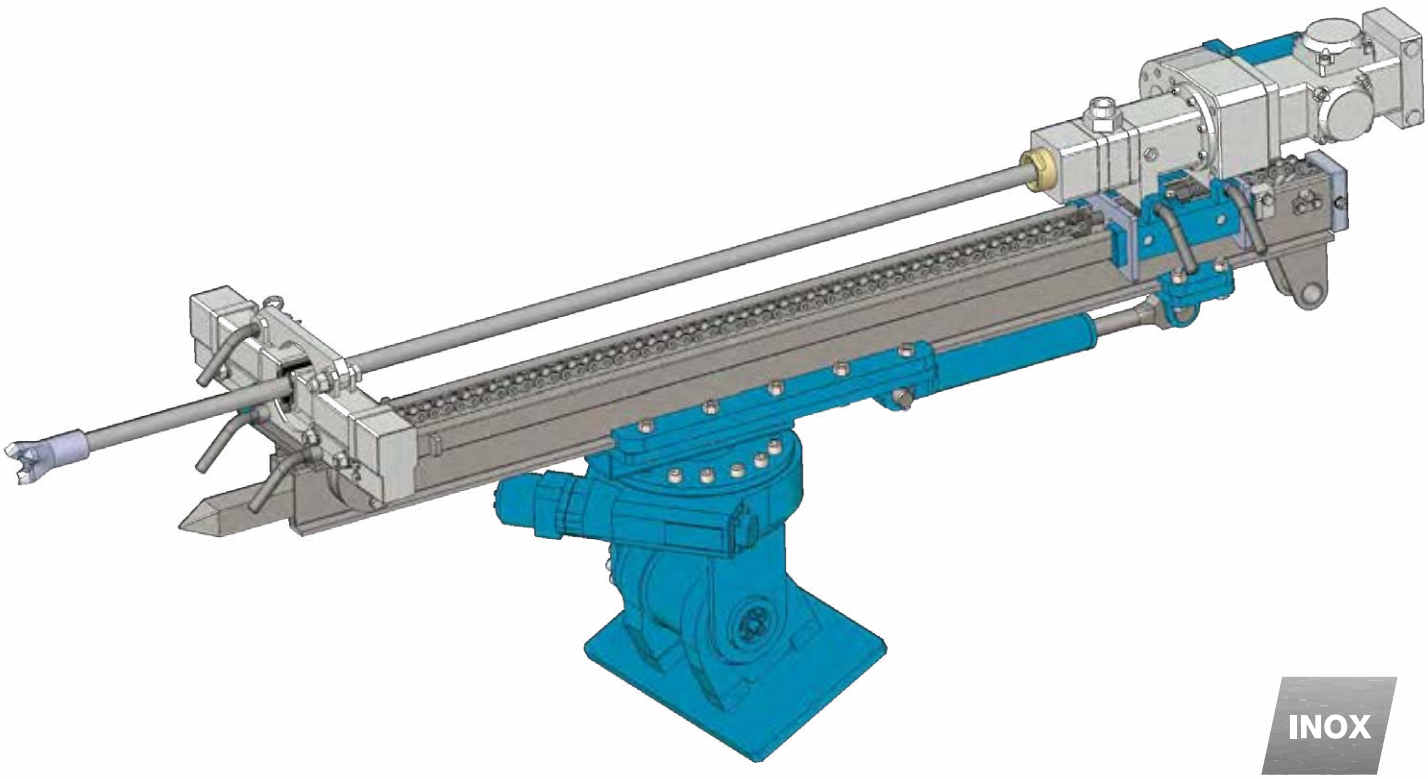
Rotating unpiped

Rotating piped

Rotary impact with damping system

LDA 91 Mounty®

Lumesa Drilling Attachment



INOX

Portable drill feed mounted on excavator; in the standard version it can be aligned at any angle thanks due to tilt and swivel element. Like the standard version, it can be used with a down-the-hole hammer, top hammeror core drill.

Can be easily disassembled and used as a portable drilling unit.





Technical specifications

INOX

LDA 91 Mounty®

Specifications

Operating weight excavator	t	> 6
Weight [1]	kg	550
Oil requirement	l/min / bar	60 / 200
Feed/Pullback force	kN	20 / 40
Torque max.	daNm	500
Feed stroke	mm	on request
Dimensions (LxBxH)	mm	on request
Drill feed profile	BL	91 / 92
Slew	Degree	360
Tilt	Degree	±90
Clamping device		25 – 146
Top hammer	daNm	150
Rotary head	daNm	on request
Double head	daNm	

Deliverable with

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

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	139	168	178	219
Core drilling	ø mm	100	131	146	200	254
Injection port	inch	3/8“				







1. Without safety device according to standard EN16228

Rotary percussion drilling ***KSB®***

Rotating unpiped

Rotating piped

Mounty® Connect

Lumesa Drilling Attachment



Excavator Attachment Module for Portable Mounty Drill Feeds

The Mounty® Connect enables fully radio-remote-controlled operation of any portable Type 91 and 92 Mounty® drill feed on hydraulic carriers. Equipped with 360° rotation and optional ±90° tilting, even the most challenging drilling positions can be reached. The compact design accommodates Mounty® drill feeds with a feed travel starting at 1,300 mm, allowing it to be positioned even in extremely confined spaces. The portable drill feed is secured to the feed cradle in just a few simple steps and requires no further modification. Depending on the length of the portable drill feed, displacement cylinders with a 500 to 1,000 mm stroke can be used. Since a wide variety of Mounty® drill feeds can be mounted, overall dimensions and total weight vary.

Best for

- Portable Type 91 and 92 Mounty® drill feeds
- Excavator-mounted operations





Technical specifications

NEW

Mounty® Connect

Specifications

Operating weight excavator	t	> 4
Weight [1]	kg	340 – 400
Oil requirement	l/min / bar	
Feed/Pullback force	kN	20 – 40
Torque max.	daNm	
Feed stroke	mm	1'300 – 3'000
Dimensions (LxBxH)	mm	1'700 / 1'350 / 750
Drill feed profile	BL	92 / 92
Slew	Degree	360
Tilt	Degree	±90
Clamping device	mm	
Top hammer	daNm	
Rotary head	daNm	
Double head	daNm	

Deliverable with

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

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	139	168	178	219
Core drilling	ø mm					
Injection port	inch			1"		

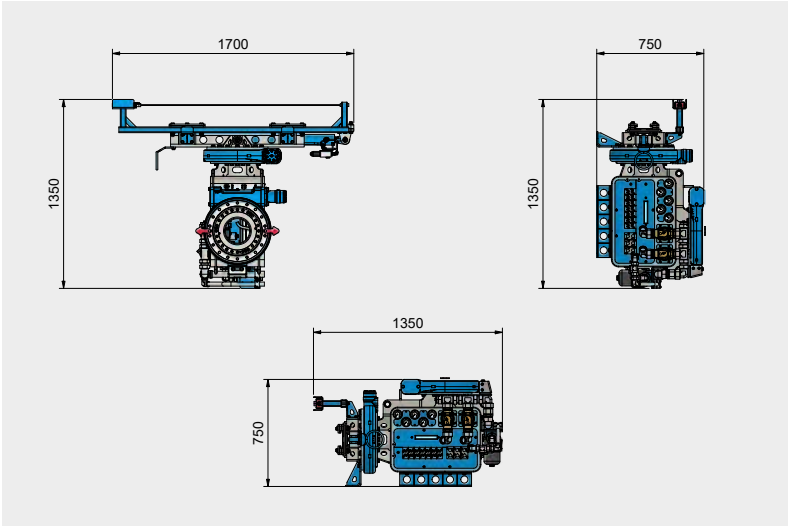
1. Without safety device according to standard EN16228

Rotary percussion drilling ***KSB®***

Rotating unpiped

Rotating piped

System drawing





LDA 91

Lumesa Drilling Attachment



Lightweight, powerful and modular drilling attachment

Drilling attachment for excavators from 8t with the latest technology. Maximum mobility with 360° slew and 1000 mm feed shift as well as an optional 0 – 90° tilt module. 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. 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).

INOX

Best for

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





Technical specifications

INOX

LDA 91

Specifications

Operating weight excavator	t	> 8
Weight [1]	kg	770 / 1'150
Oil requirement	l/min / bar	120 / 230
Feed/Pullback force	kN	20
Torque max.	daNm	212
Feed stroke	mm	3'300
Dimensions (LxBxH)	mm	4'550 / 1'000 / 850
Drill feed profile	BL	91
Slew	Degree	360
Tilt	Degree	0 – 90
Clamping device		25 – 146
Top hammer	daNm	106 / 212
Rotary head	daNm	on request
Double head	daNm	

Deliverable with

Hydraulic control panel	
Radio remote control	inclusive
Radio remote control with display	optional
Anti-jamming automatic	inclusive
Adjustable percussion mechanism	inclusive
Thread synchronization	on request
Tilt 0–90°	optional
Breaking device	on request
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	on request

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	139	168	178	219
Core drilling	ø mm					
Injection port	inch			1"		

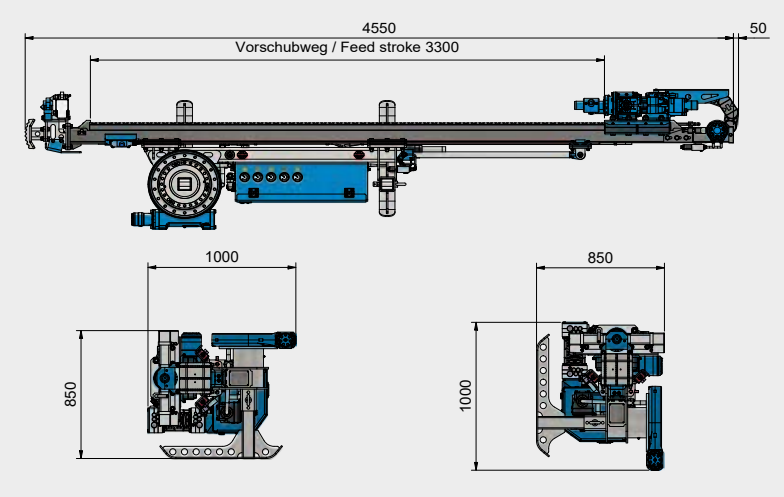
1. Without safety device according to standard EN16228

Rotary percussion drilling ***KSB®***

Rotating unpiped

Rotating piped

System drawing







LDA 92

Lumesa Drilling Attachment



INOX

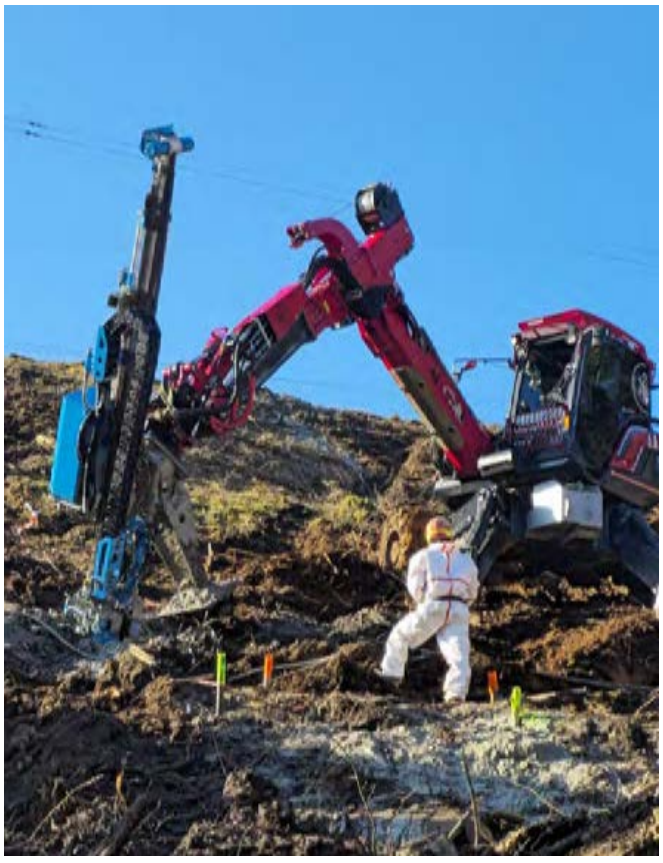
Powerful drilling attachment

Drilling attachment for excavators from 12 t with the latest technology and high torque. 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. 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 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

INOX

LDA 92

Specifications

Operating weight excavator	t	> 12
Weight [1]	kg	1'375 / 1'500
Oil requirement	l/min / bar	120 / 230
Feed/Pullback force	kN	40
Torque max.	daNm	212
Feed stroke	mm	3'540
Dimensions (LxBxH)	mm	4'750 / 1'100 / 1'700
Drill feed profile	BL	92
Slew	Degree	360
Tilt	Degree	0 – 90
Clamping device	mm	30 – 180
Top hammer	daNm	106 / 212
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"		

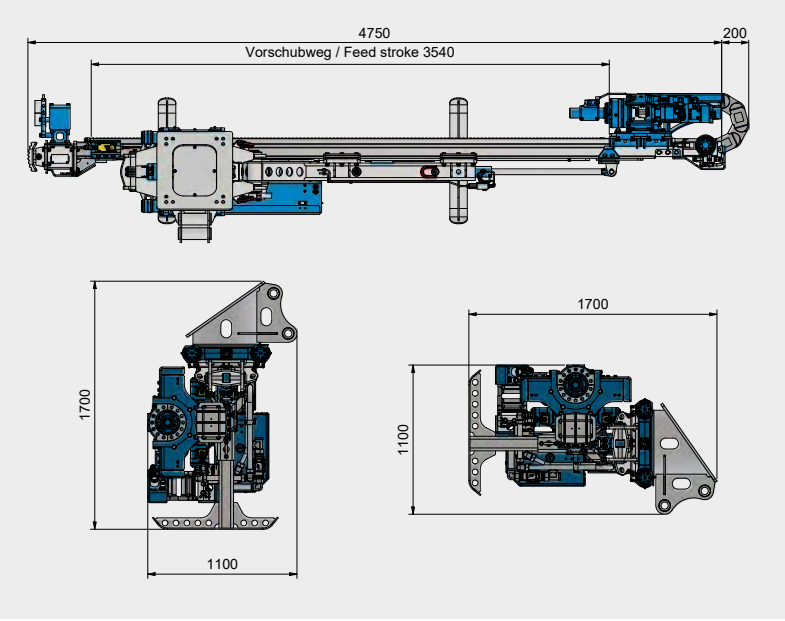
1. Without safety device according to standard EN16228

Rotary percussion drilling ***KSB®***

Rotating unpiped

Rotating piped

System drawing







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

INOX

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	4'950 / 1'100 / 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

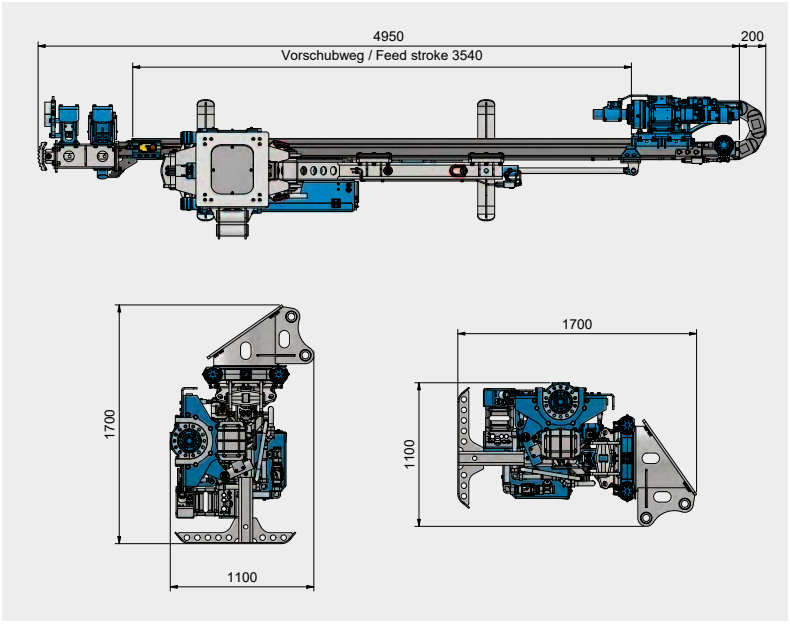
Rotary percussion drilling ***KSB®***

Rotating unpiped

Rotating piped

Rotary impact with damping system

System drawing

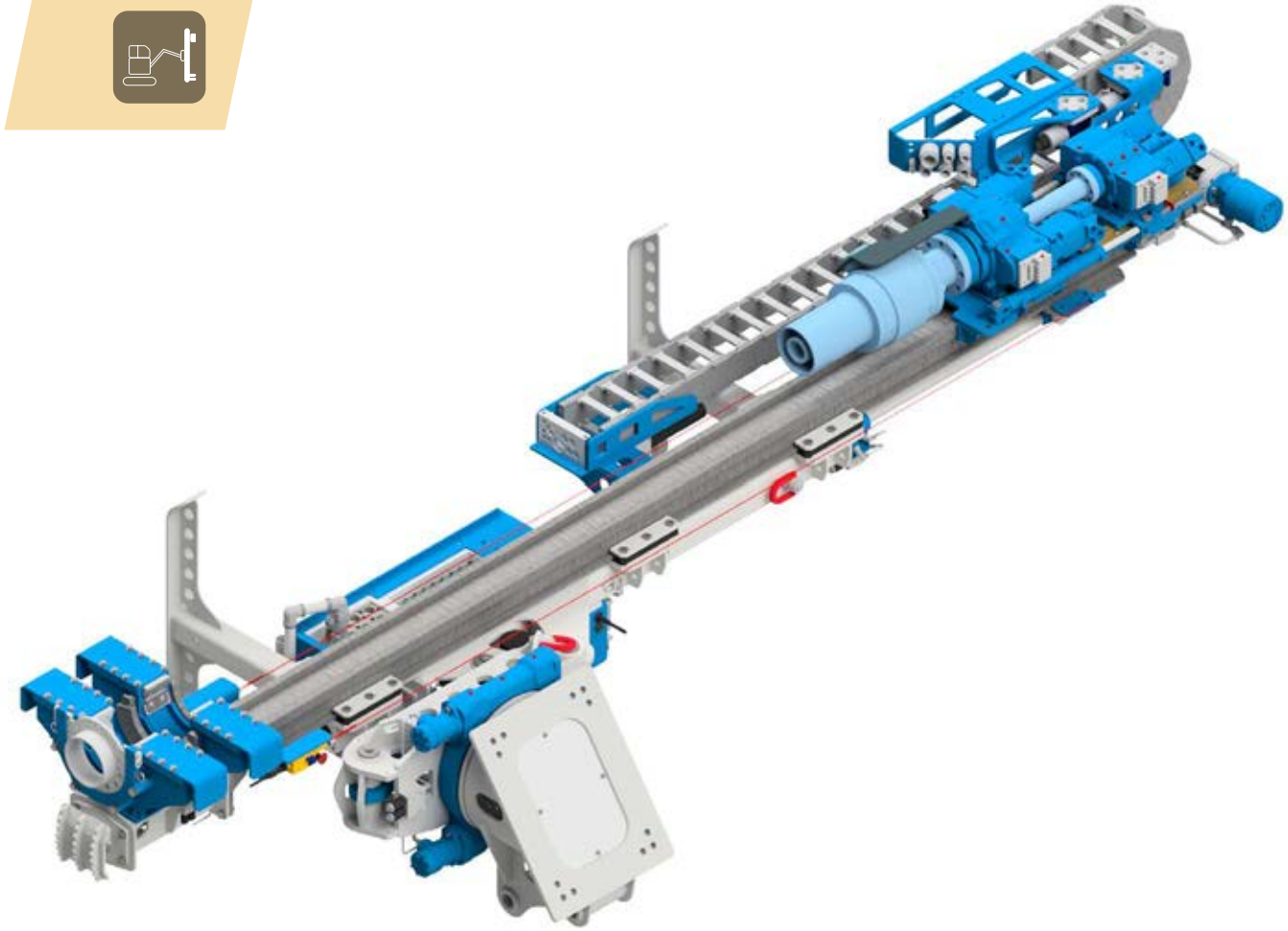






LDA 92P DH

Lumesa Drilling Attachment







High-power drilling attachment specially for cased drilling (overburden drilling)

INOX

Drilling Attachment for excavators from 18t 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 special feed carriage enables an axial displacement of the drill drives of 300 mm. 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). A cable winch can be installed as an option. Conversion to LDA 92P (hydraulic hammer) is possible at any time.

Best for:

- Cased drilling (rotary-rotary)
- Work on the walking excavator (spider excavator)

Technical specifications

INOX NEW

LDA 92P DH

Specifications

Operating weight excavator	t	> 18
Weight [1]	kg	1‘850 / 2‘050
Oil requirement	l/min / bar	170 / 230
Feed/Pullback force	kN	40
Torque max.	daNm	500
Feed stroke	mm	2‘700
Dimensions (LxBxH)	mm	4‘950 / 1‘100 / 1‘700
Drill feed profile	BL	92
Slew	Degree	360
Tilt	Degree	0 – 90
Clamping device	mm	30 – 180
Top hammer	daNm	
Rotary head	daNm	
Double head	daNm	500 / 250

Deliverable with

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

Drilling methods

Application ideal | Application conditionally possible

Blast hole / Rock drilling	ø mm					
KSB® Anchor drilling	ø anchor					
Rotary-/Down-the-hole (DTH) drilling	ø mm					
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

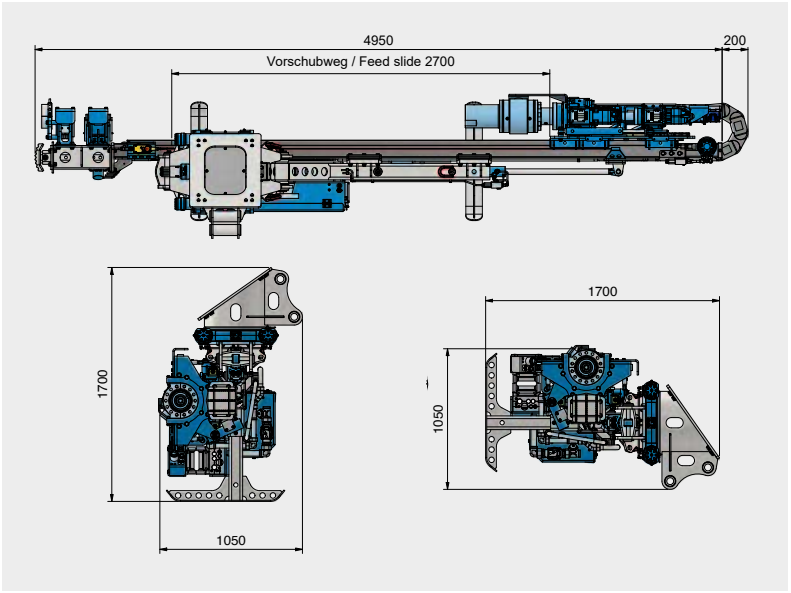
Rotary percussion drilling ***KSB®***

Rotating unpiped

Rotating piped

Rotary impact with damping system

System drawing





Top Hammers

Lumesa Universal Drill Hammer





		UBH90	HBH91
Drive		pneumatisch / hydraulisch	hydraulisch
Weight	*kg*	55	76
Torque max.	*daNm*	71 / 103	71 / 103 / 150
Speed max.	*rpm*	200 / 140	200 / 140 / 70
Impact frequency max.	*1/min*	2'500	2'500 ÷ 4'500
Impact energy/power	*Nm (KW)*	205	157
Air requirement	*m³/min bar*	4 @ 6	
Oil requirement	*l/min bar*	20 ÷ 40 / 175	45 ÷ 90 @ 175
Insertion end	*Typ R*	R25, R32, R38, R51	R25, R32, R38, R51
	Typ IB	30, 40, 52	30, 40, 52
Suitable for drill feeds	*Typ*	90 / 91 / 92	91 / 92

pneumatic drive · hydraulic drive · Rotary percussion drilling ***KSB®***

UBH90 (hydraulic / pneumatic)

Lightweight and dynamic high performance top hammer, pneumatic percussion and hydraulic rotation. Can be supplied with different torques.

For rock drill rods and KSB® self-drilling anchors.



HBH91 (hydraulic)

Hydraulic drilling machine with high frequency, fully hydraulic. Can be supplied with different torques. Excellent ratio between power and weight.

For rock drill rods and KSB® self-drilling anchors.



Top Hammers and double head

Eurodrill

EURO DRILL



RH 1X



RH 2X



RH 3X



RH 4X



DH4

		RH 1X	RH 2X		RH 3X		RH 4X			DH4	
			HD	RD	20	15	20	15		RH2	RH4
Drive		hydraulic	hydraulic		hydraulic		hydraulic			hydraulic	hydraulic
Weight	kg	80	95		165		200			65	115
Torque max.	daNm	106	212		250		500			212	500
Speed max.	rpm	292	364		270		360			150	128
Frequency	rpm	3'000	3'000	4'000	2'500	4'500	2'500	4'500			
Impact energy / power	Nm (KW)	180	180		320		320				
Oil requirement	l/min P	75@200bar	75@200bar		115@200bar		140@200bar			50@200bar	100@200bar
Conversion to rotary actuator X-series possible					Yes		Yes			Yes	Yes
Shaft	Typ R	32 / 38	32 / 38 / 51		32 / 38 / 51		32 / 38 / 51 / 76				
Situated for drill feed	Typ	91 / 92	91 / 92		92		92			92	92
Recommended generators	Typ	KSD 93 F	KSD 93 F		KSD 93 F		(KSD 93 F)				

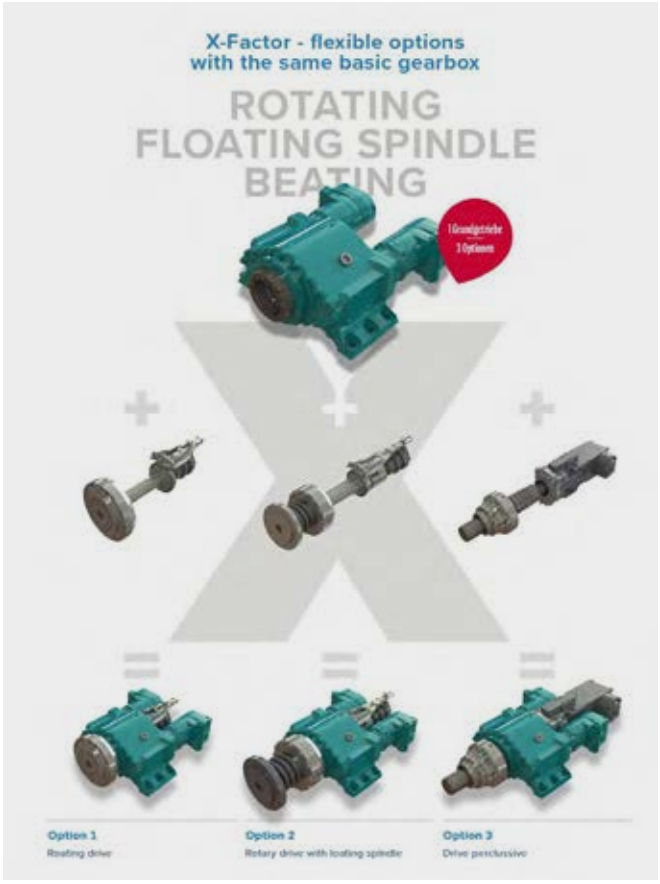
Rotary percussion drilling ***KSB®***

Rotating unpiped

Rotating piped

EURODRILL is a hydraulically operated high-performance drive for high demands.





Rotary Heads

High-speed and normal runners



NL1



NL3 / SL16 / SL11

		NL1	NL3	SL16	SL11
Drive		hydraulic	hydraulic	hydraulic	hydraulic
Weight	*kg*	85	33	22	30
Torque max.	*daNm*	725	140	22	80
Speed max.	*rpm*	35	100	1'075	310
Air requirement	*m³/min*				
Oil requirement	*l/min*	86 @ 200	46 @ 200	86 @ 200	86 @ 200
Oil requirement per revolution	*cm³*	2'450	470	80	280
Transmission ratio		5.17	1	1	1
Shaft		API 2 3/8 IG	Rd50 AG / API 2 3/8 IG		
Flushing head		G 1 1/4 (Rd46)			
Suitable for drill feeds		92	92 / 91 / 90	92 / 91 / 90	92 / 91 / 90

Rotary Heads NL

Standard version, including a highly efficient flushing head that can be used with air, water and mortar. Available in various sizes (torque).

Ideal for down-the-hole hammers with casing tubes and ***Lumetrix*** eccentric core bits for casing drilling.

Rotary Heads SL

High rotation version, including flushing head. Available in different sizes (U/min)

Suitable for diamond core drilling





Accessories

Powerbox (control voltage)



Winch for lifting the drill pipes



Dust collector



Walking foot easy to remove



Hydroclamps







		HZ 100	HZ 180	Hydraulic Breaking Device
Weight	*kg*	20	40	200
Closing force	*kN*	100	180	180
Breaking torque	*kNm*			20
Clamping range Ø 116	*mm*	25 – 116		
Clamping range Ø 146	*mm*	55 – 146	30 – 154	
Clamping range Ø 181	*mm*		90 – 181	30 – 160
Use on drill feed		90 / 91 / 92	91 / 92	55 – 180

Light and efficient

For blocking and breaking up drill rods and chuck tubes. The ***Lumesa*** HZ 100 & 180 are characterized by a very light (20 kg – 40 kg) operating weight. Optionally, a breaking device can also be installed. This is especially helpful when using an external casing.



Double base for HBV plate
Support for hydraulic crusher







Special Solutions

Our experience for your projects

Our expertise is available to you as well, without any restrictions or obligations. Benefit from our experience and discuss your civil engineering task with our specialists! We will be eager to advise you.

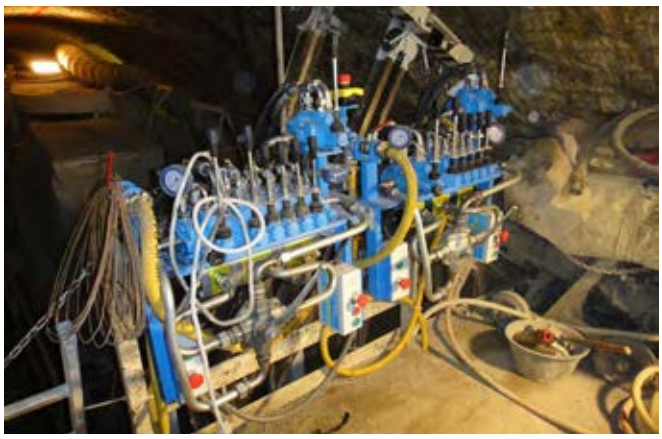
Special tasks call for special solutions

Do you have a special civil engineering task for which there has been no solution so far? We are happy to take on the challenge.









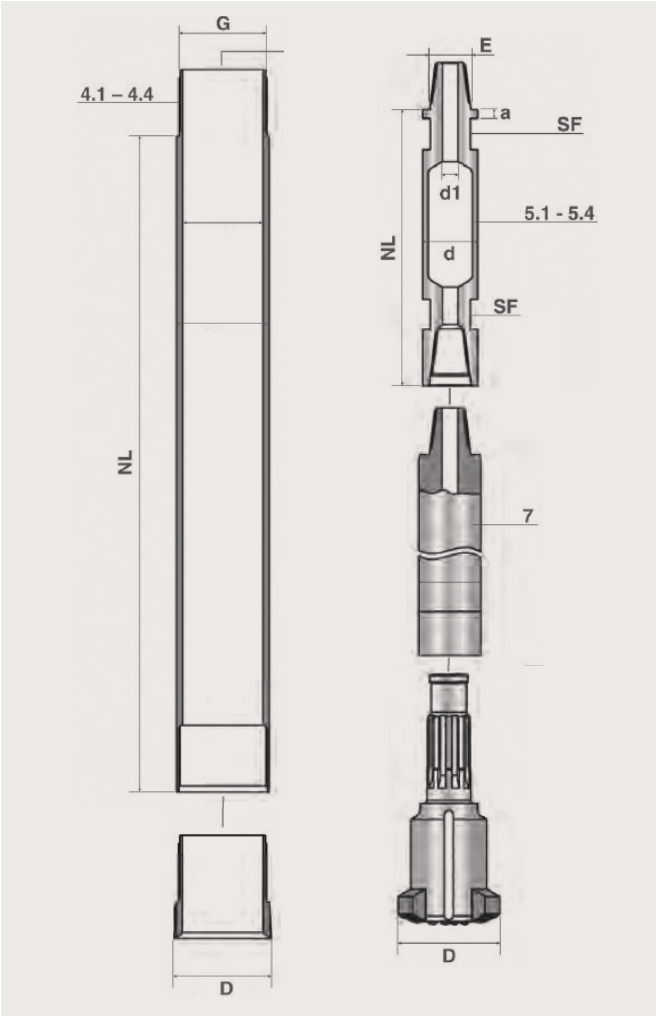




Drilling Tools

Lumetrix (Cased Drilling)

		Lumetrix 90	Lumetrix 115	Lumetrix 140
Drilling diameter	*mm*	125 / 91	152 / 114	185
Down-the-hole hammer	*"*	3	4	5
Drill bit 1 m (length)	*ø*	76	76	
Drill bit 1.5 m (length)	*ø*	76	76	
Direction of rotation		right	right	right
Starting tube 1.08 m (length)	*ø*	114.3 × 6.5	139.7 × 7.1	168.3 / 177.8
Starting tube 1 m (length)	*ø*	114.3 × 6.5	139.7 × 7.1	168.3 / 177.8
Starting tube 1.5 m (length)	*ø*	114.3 × 6.5	139.7 × 7.1	168.3 / 177.8
Pipe guide	*mm*	114.3	139.7	168.3 / 177.8
Casing protector	*ø*	114.3	139.7	168.3 / 177.8
Pulling head		Yes	Yes	Yes
Clamps		Yes	Yes	Yes

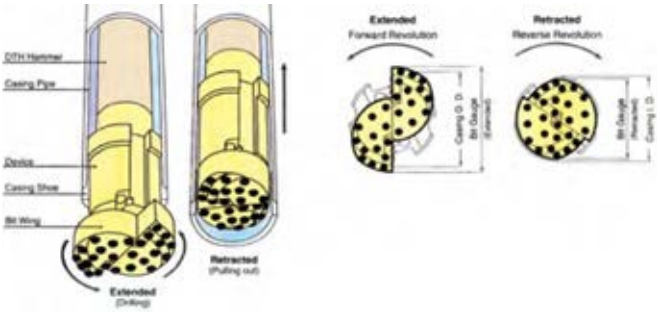


The ***Lumetrix*** makes it possible to create a cased borehole. The casing is used for safe installation in unstable soils of anchors or piles.

The ***Lumetrix*** has a fold-out drill head which allows the outer pipe to be overcut.

The outer pipe is pulled in over a shoulder by means of the ***Lumetrix***. By folding in the ***Lumetrix***, it can be removed together with the inner pipe once the drilling depth has been reached.

After moving the anchor or pile, the outer pipes can also be recovered from the borehole with a ***Lumesa*** pulling trolley, depending on the geology and high friction.





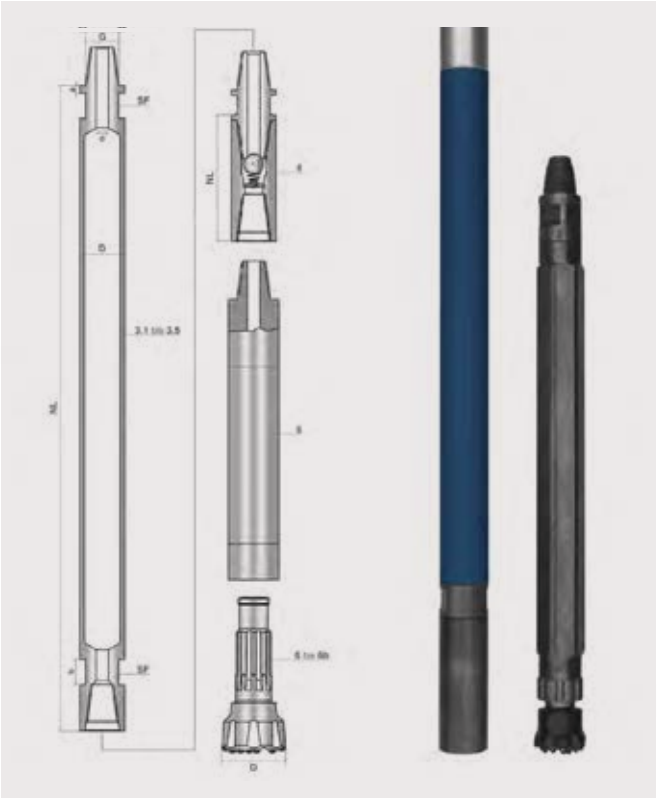
Drilling Tools

Lumesa DTH (Down-the-hole hammer)

		Lumesa DTH 2''	Lumesa DTH 3''	Lumesa DTH 4''
Drilling diameter	mm	72 – 76	85 – 120	110 – 185
Down-the-hole hammer	''	62	78	95
Drill bit	ø	72 I 76	85 I 92 I 100 I 110 I 120	110 I 120 I 130 I 150 I 165 I 185
Drill bit 1 m (length)	ø	60	70 I 76	76
Drill bit 1.5 m (length)	ø	60	70 I 76	76
Drill bit 2 m (length)	ø	60	70 I 76	76
Drill bit 3 m (length)	ø	60	70 I 76	76
Adapter MT/VT		Rd50 / (Rd 40)	Rd50 / API 2 3/8''	API 2 3/8
Injector MT/VT		Rd50	Rd50 / Rd50 API 2 3/8 / API 2 3/8	API 2 3/8'' /API 2 3/8''
Submersible valve MT/VT			Rd50 / Rd50 API 2 3/8 / API 2 3/8	API 2 3/8 / API 2 3/8
Weight	kg	13	23	35

Accessories

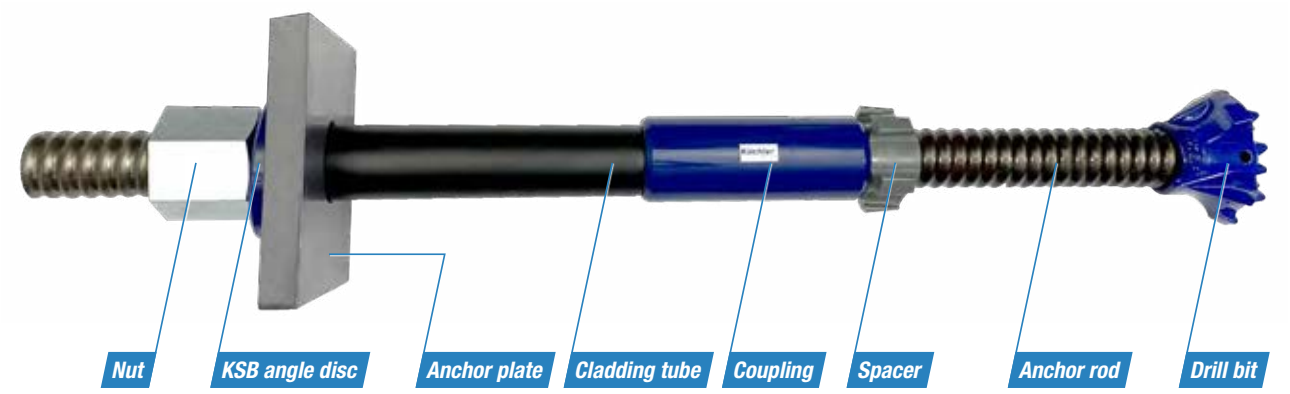
Impact spanner	optional	optional	optional
Double spanner	optional	optional	optional
Copper spray (antigrip)	optional	optional	optional
Arresting mandrel	optional	optional	optional



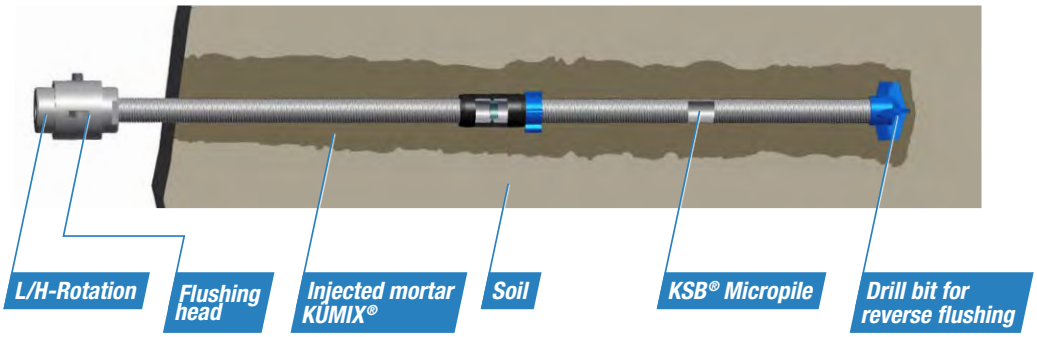


KSB®

Self-drilling anchor

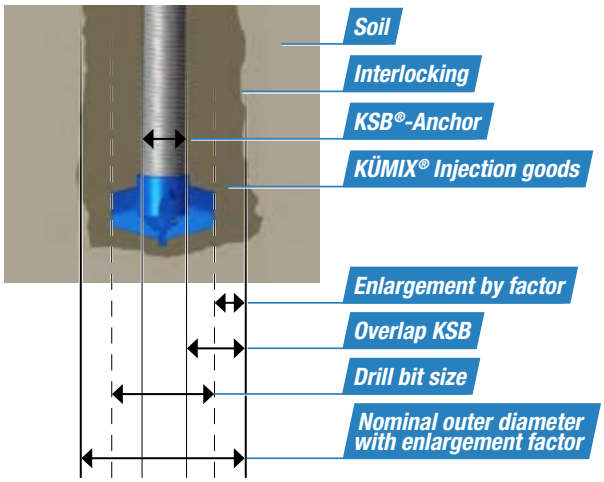


System in use









The ***KSB®*** is a self-drilling anchor system with continuous external thread that can be drilled without casing in loose soil and rock whilst grouting at the same time.

The ***KSB®*** system is based on the conventional threaded drill rods R 32, R 38, R 51, T64, T76 and T114 up to Fyk 2100 kN on tension and pressure.

A variety of compatible system components guarantee a wide range of applications, for example pressure, tension, non-stressed, pre-stressed, permanent or jet.

Your advantages

- No casing required
- Fast setting period
- Self-drilling system
- Rapid load
- Simultaneous drilling and inecting in one operation
- Continuous and high strength load

KSB® Anchor rod

KSB® Standard B 500

Weak
Standard
Strong
Very strong



Standard Duplex



KÜPS

	Article no.	Size ↻ R32	R38	R51	T64	Size ↺ T76	T114	Failure load F_{tk} / kN	Yield str. F_{yk} / kN	Weight kg
R32/22	10-10 032 22 10							250	200	2.90
R32/20*	10-10 032 20 10							295	240	3.40
R32/17	10-10 032 17 10							360	300	4.20
R32/15*	10-10 032 15 10							400	340	4.55
R38/17*	10-10 038 17 10							500	400	5.80
R38/15*	10-10 038 15 10							580	450	6.30
R51/35*	10-10 051 35 10							660	540	7.45
R51/28*	10-10 051 28 10							800	630	9.10
R51/25	10-10 051 25 10							1 000	800	10.70
T64/42	10-10 064 42 10							1 200	1 000	13.45
T64/36	10-10 064 36 10							1 400	1 100	15.05
T76/59*	10-10 076 59 10							1 100	850	13.00
T76/55*	10-10 076 55 10							1 300	1 000	15.50
T76/51*	10-10 076 51 10							1 600	1 200	19.00
T76/41	10-10 076 41 10							2 000	1 600	23.00
T114/92	10-10 114 92 10							2 050	1 650	25.80

KSB® B 900

Weak
Standard
Strong
Very strong



Standard Duplex

	Article no.	Size ↻ R32	R38	R51	T64	Size ↺ T76	T114	Failure load F_{tk} / kN	Yield str. F_{yk} / kN	Weight kg
R51/7T*	10-10 051 07 T 10							1 000	800	8.00
R51/9T*	10-10 051 09 T 10							1 200	1 000	9.60
T76/6T*	10-10 076 06 T 10							1 400	1 200	12.20
T76/8T*	10-10 076 08 T 10							1 800	1 400	14.50
T76/10T*	10-10 076 10 T 10							2 200	1 700	17.70
T76/12T	10-10 076 12 T 10							2 600	2 100	18.90

KSB® INOX 2b and 3b



		Article no.	Size ↻ R32	R38	R51	T64	Size ↺ T76	T114	Failure load F_{tk} / kN	Yield str. F_{yk} / kN	Weight kg
2b	R32	10-10 032 10 Inox							360	300	3.80
	R38	10-10 038 10 Inox							630	460	6.30
	R51	10-10 051 10 Inox							950	760	10.5
3b	R38	10-10 038 10 Inox 3b							630	460	6.30

Available
Trapezoidal thread

KÜPS®
KSB® INOX
Duplex / add -2 to the item number

↻ Thread direction **left**
↺ Thread direction **right**
* galvanised possible / price on request

Delivery periods of B500 Anchor rods 2,3 or 4 metres
Delivery periods of Duplex and B900 Anchor rods: 2 and 3 metres
Delivery periods INOX: 3 metres

Injection mix pump IMP E

Injection technology







Specifications

Max delivery rate	ℓ/min	63
Pump pressure max.	bar	60
Grain size max.	mm	2
Pump type		● EP
Adjustable quantity		optional
Drive		Euro 16 A
Electrical connection		7.2; 8.5 KW / 400V
Drive		
Mixer mode		continuos mixer
Mixer content	ℓ	75
Mixer performance	m³/h	2
Buffer tank content	ℓ	150
Transport length	mm	1'200
Length	mm	1'590
Width	mm	795
Height	mm	1'310
Weight	kg	286

Available with

Remote control	on request
Cable control	on request
Link to Gerlogg	on request
Water meter	optional
Water tank	optional
Silo compatible	
Agitator in buffer tank	
Stepless	optional

Gear motor	4.2 kW – 242 Upm	5.5 kW – 406 Upm	5.5KW + FU 100 – 406 Upm
Gear	Spur gear	Spur gear	Spur gear
Electrical connection	16 A/ 5-polig	16 A/ 5-polig	16 A/ 5-polig
Generator	mind. 16 kVA	mind. 20 kVA	mind. 18 kVA

Flow rate & Pressure

K MUNGG pump part 3 blue < 60 bar	14.0 ℓ/min	24.0 ℓ/min	6 – 24 ℓ/min
K MUNGG pump part 8 orange < 50 bar	24.0 ℓ/min	39.0 ℓ/min	9 – 39 ℓ/min
K MUNGG pump part 10 grey < 40 bar	39.0 ℓ/min	63.0 ℓ/min	15 – 63 ℓ/min





● Eccentric screw pump EP

Electric drive

Team

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Directions

Lumesa Switzerland and Austria

Lumesa Switzerland

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Via Bellinzona 5
CH-6533 Lumino
Switzerland

Tel +41 91 829 26 41
info@lumesa.ch
www.lumesa.ch

Driving directions

From motor-way A2 or from motor-way A13 exit BELLINZONA NORD

Lumesa Austria

Contact

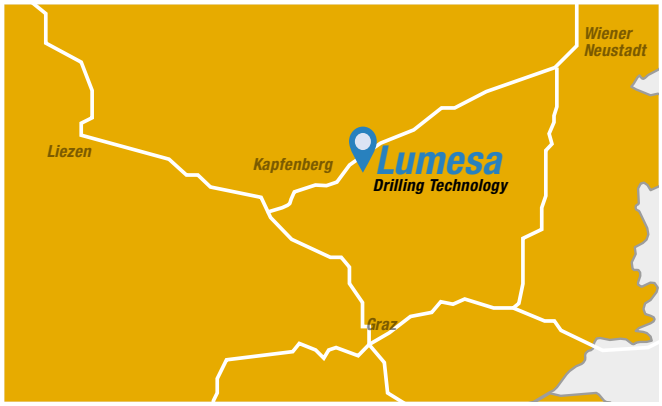
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Werk-VI-Straße 57
AT - 8605 Kapfenberg
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Tel +43 3862 43 200
office@lumesa.at
www.lumesa.at

Driving directions

S6 Semmering Expressway, Exit Kapfenberg, Directory «Werk VI Industriegebiet», Directory «Industriezone Werk VI»





Locations



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