

EARTH AUGER

You need foundations for a carport, a mast or a street sign? With the earth auger as a tool for your loader crane, this work can be done in the shortest time and without any additional use of excavators. Whether earth, gravel or slightly rocky ground - with the right drill teeth, the auger becomes an all-rounder.

With minimal effort, you drill holes with the necessary diameter - without the annoying and material-intensive slope angle that results from classic digging work.



BEG

Auger drive

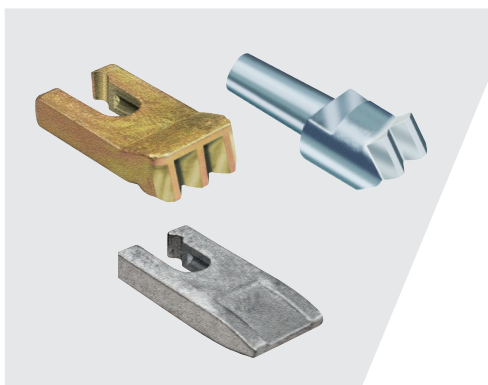
- Highest drilling performance and durability are the hallmark of the auger drives, which produce torque from 925 to 7500 Nm.
- The integrated NDS - Non-Dislodgement Shaft - prevents the shaft from falling out at any time. An absolute must for work safety.
- An integrated service port allows fast and easy oil changes.
- No leak oil line necessary.



EBG AND BEG12

Augers and extensions

- The augers are available with a diameter of 150 to 900 mm.
- The attachment to the auger drive is easy by means of bolts.
- Depending on the crane geometry, the corresponding extensions allow a drilling depth up to 7 m - with a diameter up to 600 mm.



EBG 077

Drilling teeth

- Optimum drilling properties due to subsoil-specific drill teeth for earth, gravel and stony soils.
- The connection between tooth and auger varies depending on the tooth and aims for maximum durability and easy serviceability.



BEGAV20

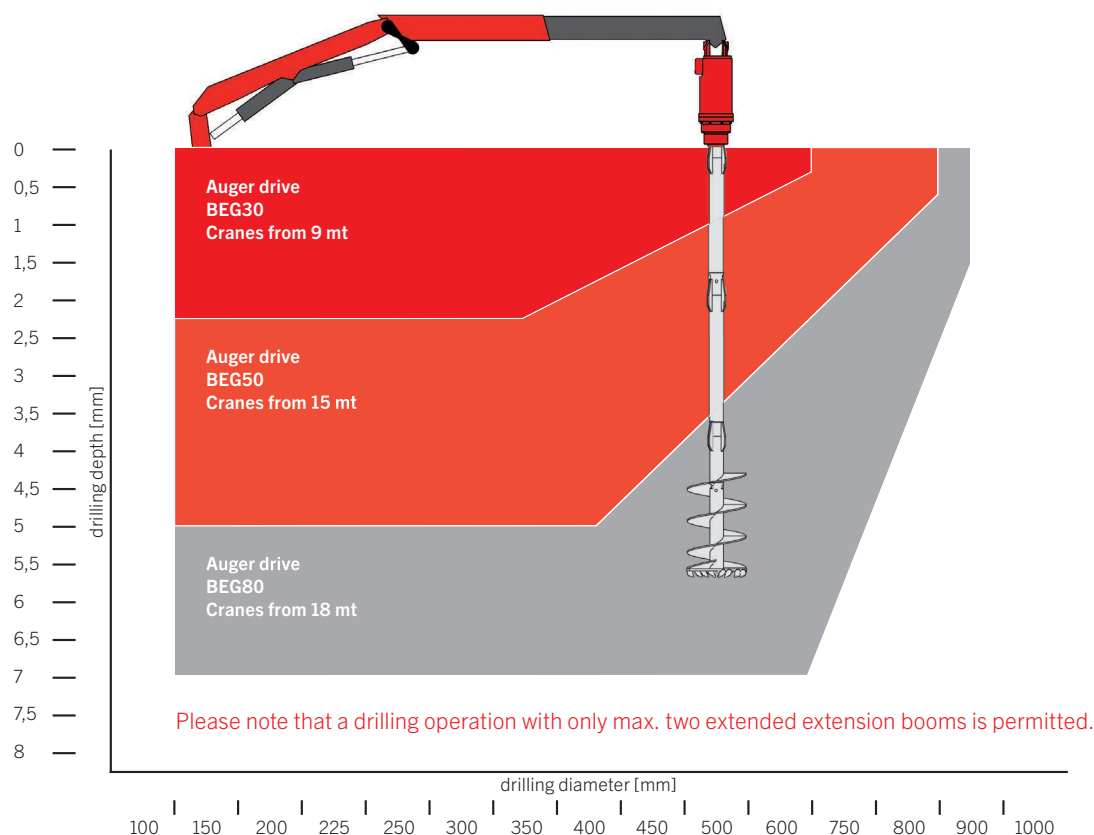
Docking device

- The docking device with specially adapted augers drills facilitates the safe placement of the auger.
- It reduces downtime for dismantling and reinstalling the auger when changing tools or when hook operation in between.

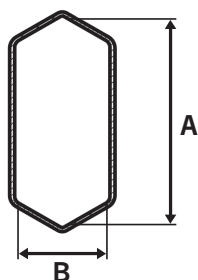
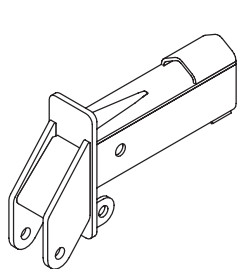
This requires a technical clarification with PALFINGER!

POSSIBLE COMBINATIONS

SELECTION OF THE APPLICATION



PULL IN PARTS



Depending on the extension boom design, adaption work may be required.

Code	Weight [kg]	Hexagonal extension boom	
		A [mm]	B [mm]
UL146	32	123	62
UL147	34	155	79
UL028	35	185	80
UL148	37	188	96
UL027	39	221	97
UL149	42	224	116
UL026	44	259	115
UL150	46	260	136
UL025	49	296	133

AUGER DRIVE

TECHNICAL DATA

BEG30

BEG50

BEG80

For operation, one hydraulic circuit on the crane is necessary!

Drilling diameter	[mm]	150 – 600	150 – 800	150 – 1000
Working pressure	[bar]	80 – 260	80 – 260	80 – 260
Overpressure protection		●	●	●
Recommended rate of flow	[l/min]	20 – 50	20 – 50	20 – 50
Drive torque*	[Nm]	925 – 3007	1542 – 5012	2313 – 7517
Rotation speed	[U/min]	27 – 68	16 – 41	11 – 27
Weight	[kg]	73	94	97

* The maximum drive torque must not exceed the half of the crane slewing torque.

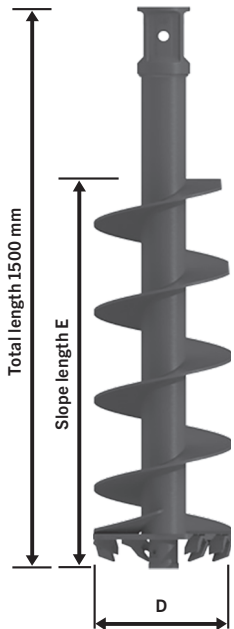
● Standard ○ Optional -- Not available

AUGER EXTENSION



Length C [mm]	shaft length [mm]	Shaft exit [mm]	Weight [kg]	Code
500	114	□ Square 57	18	BEG12-500
1000	114	□ Square 57	25	BEG12-1000
1500	114	□ Square 57	26	BEG12-1500
2000	114	□ Square 57	30	BEG12-2000

AUGER



Drilling diameter D [mm]	Slope length E [mm]	Weight [kg]	Code				
			Earth and clay	dry and hard surfaces, gravel layers	Number of drilling teeth	Soft rock	Number of drilling teeth
150	1080	36	EBG150E	EBG150T	--	EBG150R	--
200	975	42	EBG200E	EBG200T	2	EBG200R	3
225	975	46	EBG225E	EBG225T	2	EBG225R	4
250	965	47	EBG250E	EBG250T	2	EBG250R	4
300	900	53	EBG300E	EBG300T	4	EBG300R	5
350	900	58	EBG350E	EBG350T	4	EBG350R	6
400	875	63	EBG400E	EBG400T	5	EBG400R	7
450	750	68	EBG450E	EBG450T	6	EBG450R	8
500	750	75	EBG500E	EBG500T	6	EBG500R	9
600	750	86	EBG600E	EBG600T	8	EBG600R	11
750	700	103	EBG750E	--	9	--	--
800	700	118	EBG800E	EBG800T	9	EBG800R	15
900	700	138	EBG900E	EBG900T	10	EBG900R	17

WEAR PARTS

Ground	Drilling tooth	Code	Auger pilot	Code
Earth and clay		EBG 077E		EBG 077EH
dry and hard surfaces, gravel layers (Tungsten-Universal)		EBG077T		EBG 077TH
Soft rock, asphalt		EBG 077R		EBG 077RH