BCS 185

BAUER Cutter System 185

BC-System

BAUER

Established Cutter Technology

By using the BAUER trench cutter system BCS 185 you can be assured of a product consisting of proven and reliable components. Our experience in the construction of trench cutter systems has contributed to the success of our customers in terms of efficiency and reliability since 1984.

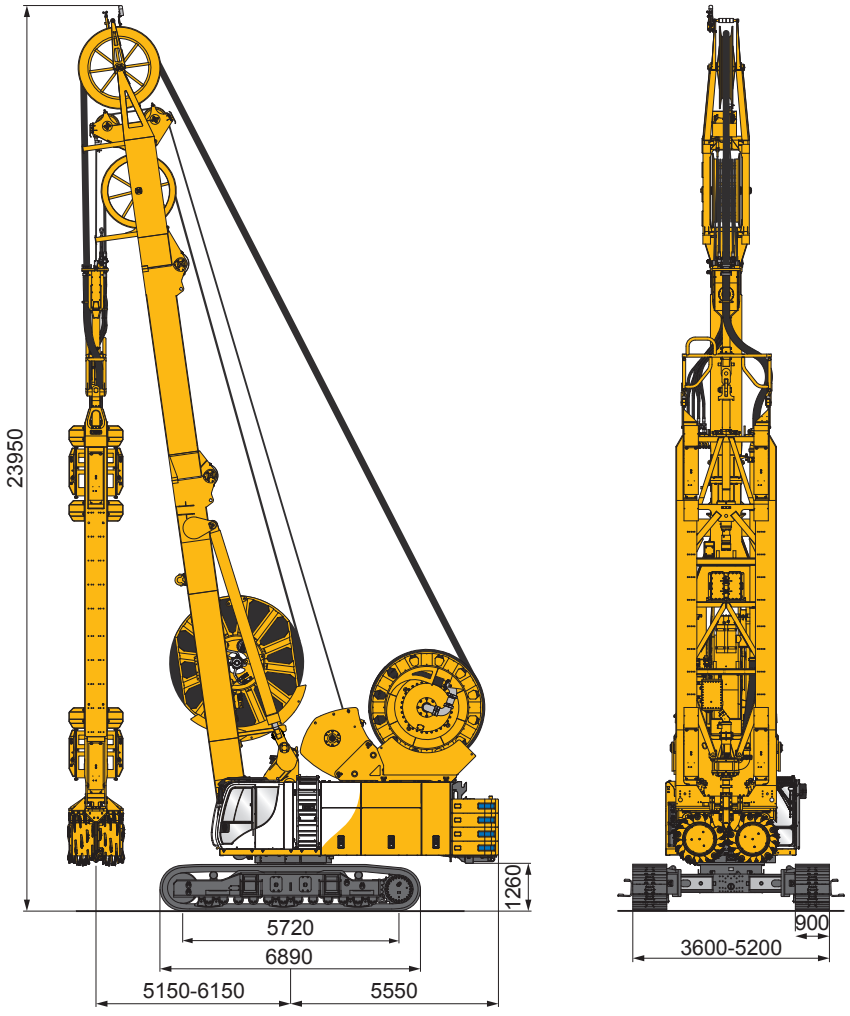
The BCS 185 is the perfect, compact solution for a trench cutter system capable of reaching 90 m depth. The system consists of the base carrier MT 185 with hose drum system HDS 90 and a trench cutter BC 35 (or optionally all other models) from the long established portfolio. Its main advantages are as follows:

- High productivity and economic operation
- Easy and safe handling of the equipment
- Long life expectancy and lasting value
- Easy transport and rigging

HDS 90 or HDS 90-T
The hose drum system HDS 90 consists of two hydraulically operated drums for coiling the mud hose and the hydraulic hoses and is designed for 90 m cutting depth with focus on a small footprint. For this system mud hose drum and hydraulic hose drum are placed in one line to optimize the system and reduce the width and consequently the dimensions of the entire unit.
Furthermore the HDS 90 can be offered with a rotation device that enables operation of the trench cutter in different positions.

BC 35
The technically advanced and well established BAUER trench cutters are working successfully on most diverse construction projects all over the world, even in restricted site conditions, at great depths and in difficult soil formations. The trench cutter BC 35 is the perfect match to complete the BCS 185 system. For more flexibiliy and due to a maximum hook load of 43 tons the system can also accommodate the BC 48 and other trench cutters from the portfolio.

MT 185
The MT 185 is the ideal base machine for an efficient trench cutter system. The solid Bauer design offers high stability as well as HSE features like rear view camera, integrated service platforms and ergonomic cabin design with high comfort for the operator. The B-Tronic system is an integrated system used to control the cutting functions and display the current working parameters in real-time. Assistance systems support the operator and increase the productivity of the equipment.
The MT 185 comes with a powerful and highly efficient VOLVO engine available for different emission standards.



Highlights	
Max. cutting depth	**90 m**
Maximum hook load	**43 t**
Total weight BCS 185 Cutter System (with BC 35 and 1,500 mm RSC cutter wheels)	**appr. 180 t**

Technical Specifications

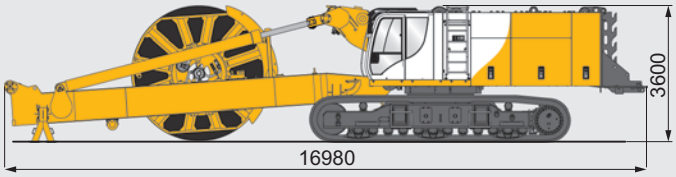
Trench Cutter		BC 35 [1]	
Dimensions			
Overall height		12,600 mm	
Trench length		2,800 mm	
Steering flaps		**12 pcs.**	
Stroke steering flaps (top and bottom)		100 mm	
Mud pump			
Ø Delivery pipe		152 mm (6")	
Max. flow rate		450 m³/h	
Gearbox		**2 x BCF 9**	**2 x BCF 11 (Optional)**
Max. torque		91 kNm	112 kNm
Speed of rotation		0-25 rpm	0-25 rpm
Weight (approx. for trench length 2,800 m)		**Weight cutter [2]**	**Add. weight possible [3]**
Trench width			
640 mm		30.1 t	–
800 mm		32.6 t	1.0 t
1,000 mm		32.8 t	1.4 t
1,200 mm		34.1 t	1.7 t
1,500 mm		36.4 t	2.3 t
Hose Drum System – HDS		**HDS 90 / HDS 90-T**	
Cutting depth		90 m	
Max. hook load		43 t	
Max. recovery force		600 kN	
Turning device		optional [4]	
Base Carrier – MT 185			
Upper carriage		**BT 160**	
Engine		**Volvo TAD 16**	**Volvo TWD 16**
Rated output ISO 3046-1		565 kW @ 1,800 rpm	585 kW @ 1,900 rpm
Engine conforms to	- EEC 97/68 EC		Stage V
	- EPA/CARB	ORA	Tier 4f
	- GB2089 1-2014	Stage III	
Diesel tank / AdBlue tank capacity		1,150 l / –	1,150 l / 165 l
Undercarriage		**UW 185**	
Crawler type		B 8	
Traction force, effective		883 kN	
Overall width of crawlers (retracted / extended)		3,580 mm / 5,200 mm	
Width of track shoes		900 mm	
Cutter winch		**M6 / L3 / T5**	
Pulling force, effective		300 kN	
Rope diameter		32 mm	

1) Other BAUER trench cutters can also be used with BCS 185
2) Weight cutter with RSC cutter wheels and guide frame without turning device
3) Additional extension plates between steering flaps
4) for trench widths ≥ 800 mm

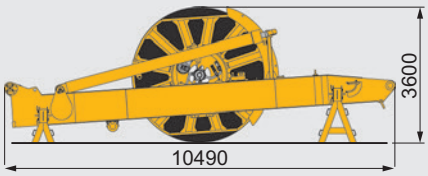
Transport Data

G = Weight
W = Width

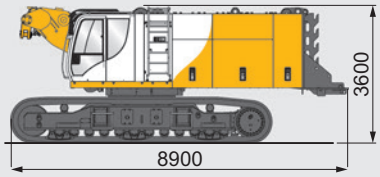
G = 89.2 t
W = 3,600 mm



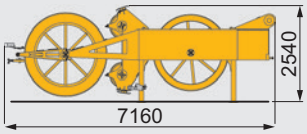
G = 24.5 t
W = 2,200 mm



G = 65.3 t
W = 3,600 mm

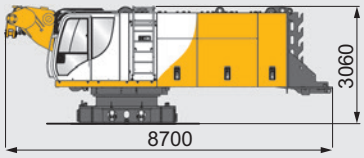


G = 4.4 t
W = 1,500 mm

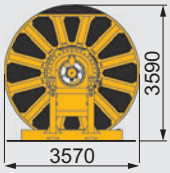


G = 7.2 t ea. (4 pcs.)
W = 3,500 mm

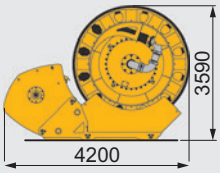
G = 39.1 t
W = 3,600 mm

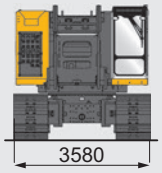


G = 11.8 t
W = 2,100 mm

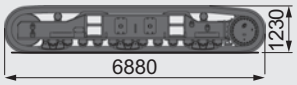


G = 18 t
W = 2,300 mm

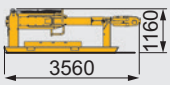




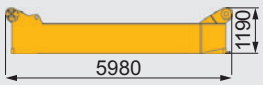
G = 13.1 ea. (2 pcs.)
W = 1,300 mm



G = 2.4 t
W = 1,500 mm



G = 3.5 t
W = 1,200 mm



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