BAUER

Hose Handling Systems

for Diaphragm Wall Equipment

BAUER

Hose Handling Systems for Trench Cutters

Hose handling systems for trench cutters
To ensure an efficient trench cutter operation, loosened material must be consistently conveyed to the surface. Simultaneously, the hydraulic consumers – such as pump and gearbox drives – require a dependable hydraulic supply. Therefore, a permanent flexible connection between trench cutter and the base machine is required. To ensure the right solution for every application and customer requirement different systems have been developed:

HDS – Hose Drum System

All-in-one solution for great depths and heavy trench cutters – with turning option
To minimize boom height and reduce the overall system dimensions, mud hose and hydraulic hose strap are coiled onto two large hose drums. Systems for cutting depths up to 250 m have already been built. The portfolio also includes variants that can operate with the cutter in rotated position.

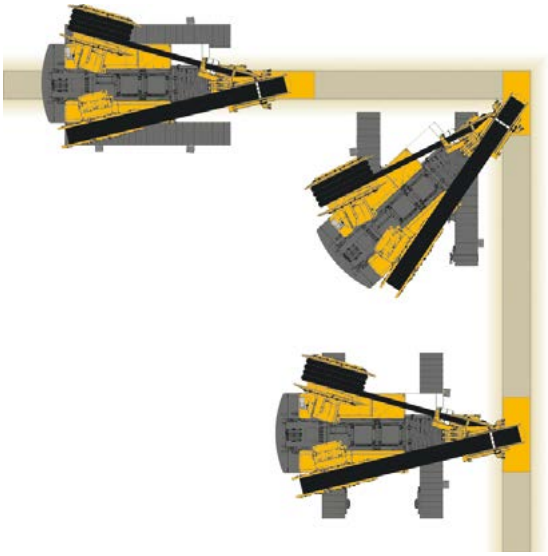
HTS – Hose Tensioning System

Economical choice for MC cranes – up to 70 m cutting depth, 60 m depth with turning function
Mud and hydraulic hoses are lowered into the trench by guide wheels suspended on constant-tension winches ensuring uniform hose tension throughout operation. The maximum achievable cutting depth is equivalent to twice the travel range of the guide wheels. The required capacity of the base machine is determined by the weight of the cutter and the height of the boom.

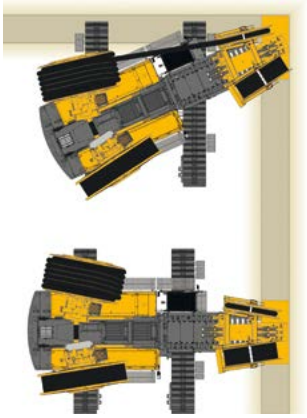
HSS – Hose Synchronization System

Specialized solution for trench cutter application
The hose synchronization system is used when the trench cutter is attached to a base carrier with vertical mast. The guide wheels for the mud hose, the hydraulic hoses and the hoist ropes for the cutter are mounted on a special sledge which is raised and lowered along the mast by the main hoist winch of the base machine.

Features



Rotation with turning function



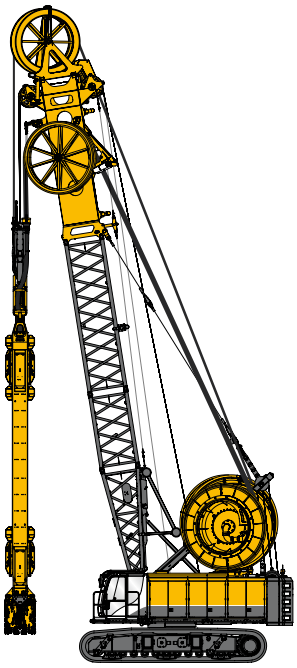
Rotation without turning function

Rotation of the cutter
For HDS and HTS with turning function the cutter can be rotated by up to 145°. This provides a significant advantage when working on corner panels, as the entire corner can be excavated without repositioning the machine. Additionally, the turning function allows the trench cutter to operate in riding position, which can be particularly beneficial on confined job sites.

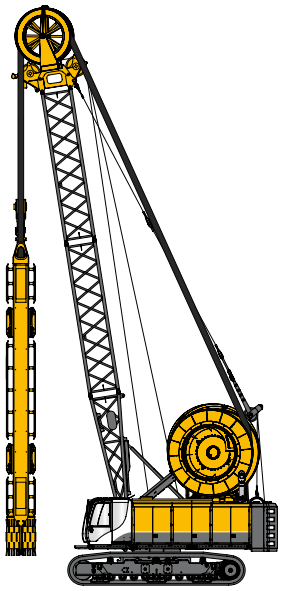
For HDS and HTS without turning function the cutter can also be rotated to a limited extent if a guide frame with hose guidance is used.

Trench cutter laydown in sideward position
In combination with the HDS turning function, the trench cutter can be layed down in sideward position. This grants a smaller footprint when laying down the cutter and gives an easier access to both sides for maintenance and repair works and for changing cutter wheels and extensions.

Multi Purpose Carrier – HDS for MC



HDS turnable on MC 96



HDS fixed on MC 86

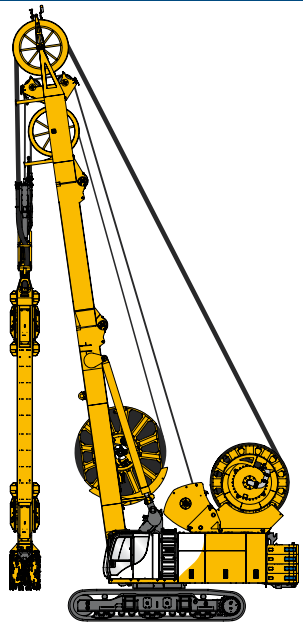
HDS turnable[2]	HDS 135 T
Max. depth	135 m
Max. hook load	56 t
Base carrier	MC 96

HDS fixed	HDS 100	HDS 135	HDS 150 / 250[1]
Max. depth	100 m	135 m	150 / 250 m
Max. hook load	45 t	56 t	70 t
Base carrier	MC 86	MC 96	MC 128

Feature: modular packages for different depths: 60 / 80 / 100 / 120 / 135 m

HDS options for BG and MC 128 on request

Single Purpose Carrier – HDS for BCS 185 and BCS 185 power pack

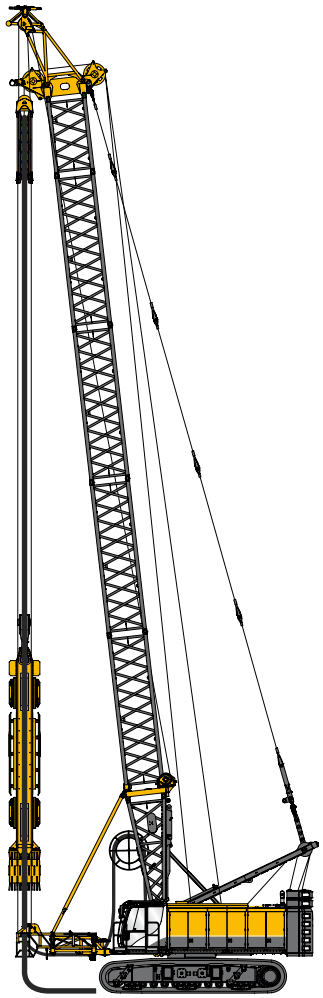


BCS 185 with HDS turnable

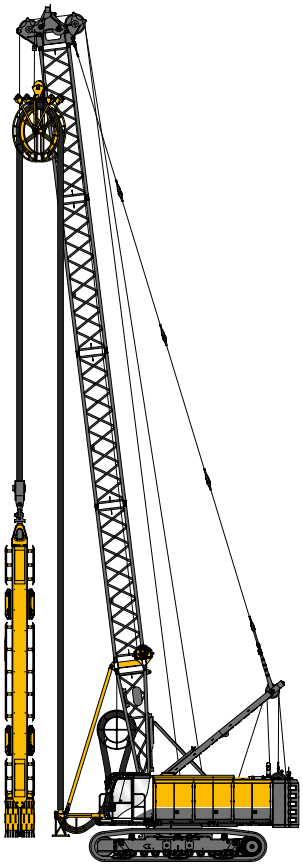
HDS for BCS 185	
Max. depth	90 m
Max. hook load	46 t
Base carrier	MT 185 / MT 185 power pack
Turning	optional[2]

1) on request
2) for widths ≥ 800 mm

Multi Purpose Carrier – HTS on MC



HTS turnable on MC 96



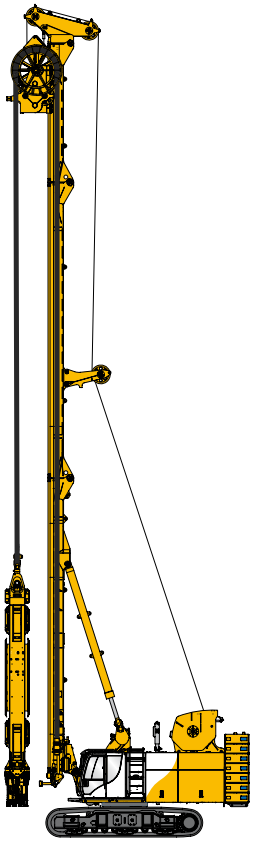
HTS fixed on MC 86

HTS turnable	HTS 46/36/90°	HTS 58/48/90°	HTS 70/60/90°	HTS 70/70/90°[1)]
Max. depth	46 m	58 m	70 m	70 m
Max. depth (turned)	36 m	48 m	60 m	70 m
Max. hook load[2)]	47 t	41 t	34.5 t	45 t
Base carrier	MC 96	MC 96	MC 96	MC 128

HTS fixed	HTS 38	HTS 50	HTS 60
Max. depth	38 m	50 m	60 m
Max. hook load	40 t	39 t	40 t
Base carrier	MC 86	MC 86	MC 96

1) on request
2) for maximum outreach and counterweight configuration

Single Purpose Carrier – HSS for BCS 125

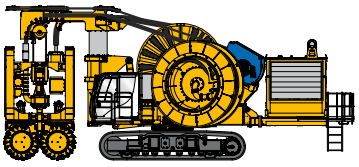


BCS 125 with HSS

HSS for BCS 125	HSS 38	HSS 50
Max. depth	38 m	50 m
Max. hook load	38 t	32 t
Base carrier	MT 125	MT 125

HSS options for BG on request

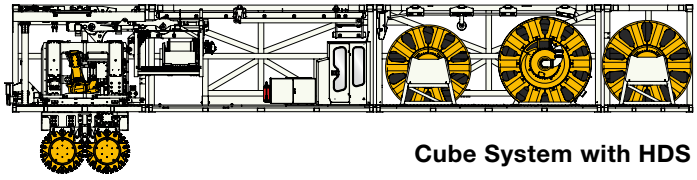
HDS for Special Applications



CBC 30 with HDS

CBC 30
A flexible cutter system for low headroom applications. Maximum cutting depth of HDS 60 or 80 m. For details see product brochure.

BAUER Cube System
The most compact trench cutter system in the BAUER portfolio with all the equipment technology, including the HDS, integrated into three 20’ containers. Maximum cutting depth is 40 m. For details see product brochure.



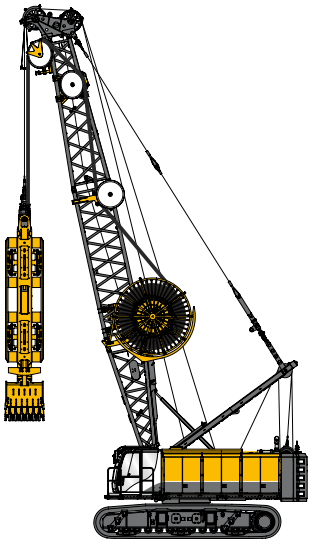
Cube System with HDS

Hose Handling Systems for Hydraulic Grabs

HDSG – Hose Handling System for hydraulic grabs
A spooling system for the hydraulic supply of the grab to ensure an efficient hydraulic grab operation with additional steering and turning function.

The winch for the heavy-duty (electric and data) cable ensures data transfer from grab to the operator's cabin.

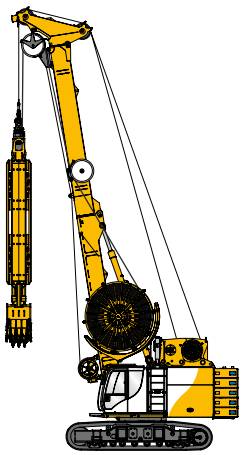
Multi Purpose Carrier – HDSG for MC



HDSG on MC 96

	HDSG 50	HDSG 80	HDSG 100[1)]
Max. depth	50 m	80 m	100 m
Max. hook load	33 t[2)] / 35 t	33 t[2)] / 35 t	35 t
Base carrier	MC 76/86 MC 96	MC 76/86 MC 96	MC 96

Single Purpose Carrier – HDSG for GB



GB 50 with HDSG

	GB 50		GB 80 S
Configuration	**Standard**	**Low Headroom**	**Standard**
Max. depth	80 m	60 m	80 m
Max. hook load	29 t	22 t	32 t

1) on request
2) 30 t counterweight

BAUER Maschinen GmbH
BAUER-Strasse 1
86529 Schrobenhausen
Germany
Phone: +49 8252 97-0
bma@bauer.de
www.bauer.de

905.993.2 03/2026