

ROTARY HAMMERS, BREAKERS  
DIAMOND CORE DRILLS

# DUSS



## DRILLING WITH FEED. WITHOUT DRILL STAND.



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DIA 200 HWS · DIA 250 HW diamond core drills

# DIA 200 HWS

FOR BUILDING CONSTRUCTIONS, RESTORATIONS AND DRILLING SERVICES



TECHNICAL DATA	DIA 200 HWS
Rated power	2000 Watt
Rated speed	680 rpm
Drilling range with/without soft impact dry	
with feed	dia. 82 - 202 mm
hand-held	dia. 82 - 202 mm (in concrete up to dia. 132 mm)
Drilling range wet	dia. 82 - 202 mm
Impact rate	13600 impacts/min
Machine weight	7.3 kg
Machine weight with feed system	11.8 kg
Chuck	1 1/4" UNC external

**APPLICATIONS**

>> DRY DRILLING, WITH/WITHOUT SOFT IMPACT

>> WET DRILLING\*

- Dry diamond core drilling with dust extraction in concrete and reinforced concrete with soft impact, in highly compacted sand-lime brick and masonry
- Dry drillings in water sensitive areas like server rooms, electrical installations, archives or production sites
- Retrofitting of plumbing and heating systems, electrical installations in inhabited rooms
- Drilling for house connections from the inside and outside, also in insulated walls
- Drilling in confined, hard-to-reach places, e.g. with existing pipe installations, structural conditions such as ceiling projection or window lintel
- Drilling where the surroundings of the drilling site must not be damaged, e.g. by anchor holes
- Building constructions, restorations, sanitary, heating and air-conditioning technology and drilling services

## DRILLING WITH FEED

The unique DUSS CLF (Centre Line Force) feed system combines the advantages of hand-held drilling with the convenience of stand guided drilling. The lightweight drilling unit can be used universally and, thanks to the manual feed integrated into the machine, enables energy-saving work. The force is applied centrally in the drilling axis by the continuous feed rod in the guide rod. It compensates the torque, ensures a securely guided, centred drill hole and holds the drill core.



\* only in conjunction with optional WDFH rotary water union

### SWITCHABLE SOFT IMPACT XIP

Soft impact XIP (X-tra Impact Power) permits core drilling without water in hard materials such as concrete. Complex wet drilling, e.g. in inhabited or sensitive areas can be avoided.



### OPTIONAL WET DRILLING

To give users maximum flexibility, the DIA 200 HWS can be converted for wet use with the optional WDFH water rotary union.



### RELIABLE TORQUE ABSORPTION

The torque that occurs during drilling is compensated for by the corresponding surfaces of the torque sleeve and the feed rod screwed to the substrate.



### FEED WHEEL

The drill feed is generated by turning the handwheel. Improved drilling behaviour through reinforcements is possible thanks to the spring decoupling.

## CONTINUOUS GUIDE ROD

This outstanding machine feature enables the unique advantages of the DIA 200 HWS and DIA 250 HW. The hollow guide rod makes it possible to guide the feed rod centrally through the machine, thus compactly combining the advantages of hand-held and stand guided drilling.

### FEED ROD WITH FASTENING HOLDER

The robust fastening holder ensures that the feed rod is securely fixed to the ground. The fastening holder is drilled over by the core bit. There is no damage to the ground outside the borehole.

### DRILL CORE CATCHER

The reliable connection between the feed rod and the drill core prevents the drill core from falling in an uncontrolled manner and avoids damage.



### ALIGNMENT TO THE PIPE AXIS

Due to the special shape of the fastening holder of the VOS 1, the drilling is carried out without additional alignment to the center of the sewer pipe.

### DECENTRALISED WATER SUPPLY

The water supply is off-centre to the guide rod so that the water only arrives where it is needed.

### DUSS POWER TOOLS - YOUTUBE CHANNEL

On our DUSS YouTube Channel we show you practical application videos around our core drilling machines and their application and assembly possibilities.



# DIA 250 HW

FOR SEWER CONSTRUCTION AND CIVIL ENGINEERING



TECHNICAL DATA	DIA 250 HW
Rated power	2000 W
Rated speed	565 rpm
Drilling range, wet	
with feed	dia. 102 - 257 mm
hand-held	dia. 102 - 202 mm
Machine weight	7.4 kg
Machine weight with feed system	11.4 kg
Chuck	1 1/4" UNC external

**APPLICATIONS**

>> WET DRILLING

- Connection drilling in sewer pipes, manholes and collectors
- Drilling for house connections from the outside, also in insulated walls
- Drilling in confined, hard-to-reach places
- Drilling where the surroundings of the drilling site must not be damaged, e.g. by anchor holes
- Civil engineering and sewer construction, municipal construction, road and landscape construction

## AT A GLANCE

### DRILLING WITH FEED ...

... WITHOUT DRILL STAND



... IN CONFINED SPACES



Drilling in confined, hard-to-reach places, e.g. with existing pipe installations and structural conditions such as ceiling projection or window lintel.

... WITHOUT EFFORT



Compact, lightweight drilling system for effortless drilling e.g. in the sewer. The manual feed is generated by the handwheel and the continuous feed rod.

... WITH DRILL CORE CATCHER



The drill core is held securely on the feed rod and can be easily removed.

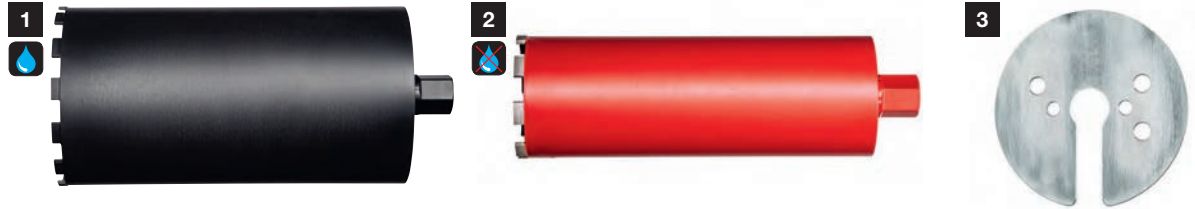
#### DIA 200 HWS

#### DIA 250 HW



	DIA 200 HWS	DIA 250 HW
<b>Wet</b>	Optional	Yes
<b>Dry</b>	Yes incl. soft impact	No
<b>Drilling range</b>	dia. 82 - 202 mm	dia. 102 - 257 mm
<b>Sectors</b>	Building constructions, restorations, sanitary and heating technology, drilling services	Sewer construction, civil engineering, drilling services
<b>Fixing</b>	VOS 3 feed rod	VOS 1 feed rod
<b>Standard specification</b>	DUSS DIA 200 HWS diamond core drill with PRCD circuit breaker, support angle, VOS 3 feed rod incl. clamping spindle and 2 concrete screws, 15, 24, 30/32, 41 open-end wrenches, dry lubricant spray, carrying case.	DUSS DIA 250 HW diamond core drill with PRCD circuit breaker, VOS 1 feed rod incl. 4 concrete screws, SW 30/32, 41 open-end wrenches, dry lubricant spray, carrying case.

## DIAMOND CORE BITS AND ACCESSORIES



### DIAMOND CORE BITS 1 1/4" UNC

with premium segments, optimised for drilling with feed

**1 · CHL DIAMOND CORE BIT**  
for wet drilling

**2 · CHSL DIAMOND CORE BIT**  
for dry drilling with dust extraction

**3 · ZS CENTRING DISK**  
required for drillings with  
feed system CLF, for better  
centring

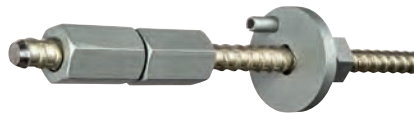
Drilling dia. mm	Working length mm	1 · CHL ORDER-NO.	2 · CHSL ORDER-NO.	3 · ZS ORDER-NO.
82	350	CHL 82	CHSL 82	ZS 82
102	350	CHL 102	CHSL 102	ZS 102
112	350	CHL 112	CHSL 112	ZS 112
122	350	CHL 122	-	ZS 122
132	350	CHL 132	CHSL 132	ZS 132
138	350	CHL 138	-	ZS 138
152	350	CHL 152	-	ZS 152
162	350	CHL 162	CHSL 162	ZS 162
172	350	CHL 172	-	ZS 172
186	350	CHL 186	-	ZS 186
200	350	CHL 200	CHSL 200	ZS 200
226	300	CHL 226	-	ZS 226
257	300	CHL 257	-	ZS 257



### VOS 1 FEED ROD

for fastening from drilling dia. 122 mm for connecting holes in sewer pipe, incl. 4 concrete screws

ORDER-NO. VOS 1



### VOS 2 FEED ROD

for fastening, e.g. when drilling in walls and floors, for special applications with uneven or porous surfaces

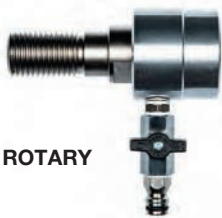
ORDER-NO. VOS 2



### VOS 3 FEED ROD

for fastening to wall and floor with through-going tensioning spindle or with concrete screw, incl. clamping spindle and 2 concrete screws

ORDER-NO. VOS 3



### WATER ROTARY UNION

for the optional wet drilling with DIA 200 HWS

ORDER-NO. WDFH



### CENTRING ROD

Overall length 530 mm, for safe, hand-held drillings with DIA 200 HWS or DIA 250 HW and CHL or CHSL diamond core bits

ORDER-NO. ZSTH



### CONCRETE SCREWS

10 x 90 mm, 25 pieces

ORDER-NO. BO 1090

12 x 80 mm, 25 pieces

ORDER-NO. BO 1280