

# CORE DRILLING SYSTEM DRA400\*\*\* / DRU400\*\*\*

CORE DRILLING UP TO Ø 400 MM



- The professional core drilling system for a versatile range of applications
- Precision drilling using optimised support with stable guide rollers
- Problem free transport together with easy assembly and dismantling by use of compact lightweight construction
- Fast and safe attachment of drill motor using the successful ModulDrill quick change clamping system
- Easy operation with two speed feed gearbox as well as user friendly hand crank
- Time saving drilling rig using a centre indicator, angle indicator and spirit level
- Maximum flexibility using dowel or vacuum attachment facility

## Technical data

DRILL RIG	DRA400***	DRU400***
Drill diameter range	50 – 250 mm	
Max. drill diameter with distance plate 180 mm	400 mm	400 mm (250 mm*)
Max. drill diameter with water collecting ring		250 mm
Max. drill bit length	746 mm	737 mm

\* with vacuum fixing

## DESIGN

Aluminium dowel vacuum foot (DRU400\*\*)

Steel dowel foot (DRA400\*\*)

Two speed feed gearbox  $i=1:1$  &  $i=1:3,5$

Feed using hand crank

Diagonal adjustment  $90^\circ-45^\circ$

Centre indicator (DRU400\*\*)

Angle indicator

Spirit level

Adjustable feet (M12)

Adjustable and interchangeable roller guides

Handle	1	2
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ModulDrill quick change clamping system

## DIMENSIONS & WEIGHT

Length	305 mm	507 mm
Width	205 mm	300 mm
Height	1,055 mm	1,063 mm
Weight	19 kg	18 kg



Trouble free adjustable and interchangeable, low wear roller guides



Simple drilling of diagonal holes using angle indicator



Vacuum fixing –  
Drilling without dowel fixing

## System recommendation

CORE DRILLING SYSTEM DRA400***	
10987600	Drill rig DRA400P
963967	El. drill. motor DME32MWP
964906	ModulDrill distance plate Ø +180 mm
977619	Fastening bolt assembly

ACCESSORIES	
975378	Vacuum plate complete
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU
975372	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device 1,7 - 3,1 m
977448	Clamp for quick grip device 1,7 - 3,1 m
977619	Fastening bolt assembly
964906	ModulDrill distance plate Ø +180 mm
977464	ModulDrill mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
10977252	Drill Guide P803+
977392	Trolley chassis
967588	Tool bag
10986534	Water tank 10 l

## Drill motors

	DME32MW***	DME32UW***	DME34UW***	DME37UW***
Drill diameter range in concrete ca.	55-350 mm	55-350 mm	50-300 mm	60-350 mm
Nominal power	3.2 kW	3.2 kW	3.4 kW	3.7 kW
Nominal current	15 A	15 A	16 A	16 A
Nom. voltage/frequency	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Load speed	230/480/720 1/min	230/480/720 1/min	320/760 1/min	150/300/470 1/min 200/390/610 1/min 240/470/730 1/min
No load speed	420/820/1250 1/min	420/820/1250 1/min	490/1160 1/min	160/310/490 1/min 210/420/650 1/min 260/510/790 1/min
Cooling	Air cooling	Air cooling	Air cooling	Water cooling
Tool attachment external thread	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Operation	Drill rig operation	Drill rig operation	Drill rig operation	Drill rig operation
Application	Wet	Wet	Wet	Wet
Electronic overload cut-out	•	•	•	•
Mechanical overload cut-out	•	•	•	•
PRCD protective switch	•	•	•	•
Universal plate		•	•	•
ModulDrill	•			
ModulDrill mounting plate		Optional	Optional	Optional
Weight	11.9 kg	11.9 kg	12.5 kg	16 kg

## System recommendation

CORE DRILLING SYSTEM DRU400***	
10984600	Drill rig DRU400P
963967	El. drill. motor DME32MWP
977368	Vacuum plate
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU
975381	Vacuum hose 3 m complete

ACCESSORIES	
977368	Vacuum plate
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU
975372	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device 1,7 - 3,1 m
977448	Clamp for quick grip device 1,7 - 3,1 m
977593	Fastening bolt assembly for vacuum base
977614	Fastening bolt assembly (masonry); for vacuum base
964906	ModulDrill distance plate Ø +180 mm
977464	ModulDrill mounting plate
10988898	Water retention ring complete Ø 250 mm
977438	Water retention ring holder complete
977447	Gasket Ø 250 mm
974270	Extraction device for core bits
977353	Extraction device for cores
10977252	Drill Guide P803+
977392	Trolley chassis
967588	Tool bag
10986534	Water tank 10 l