

05

the

CUTTING & DRILLING

CUTTING & DRILLING

152

Core drilling

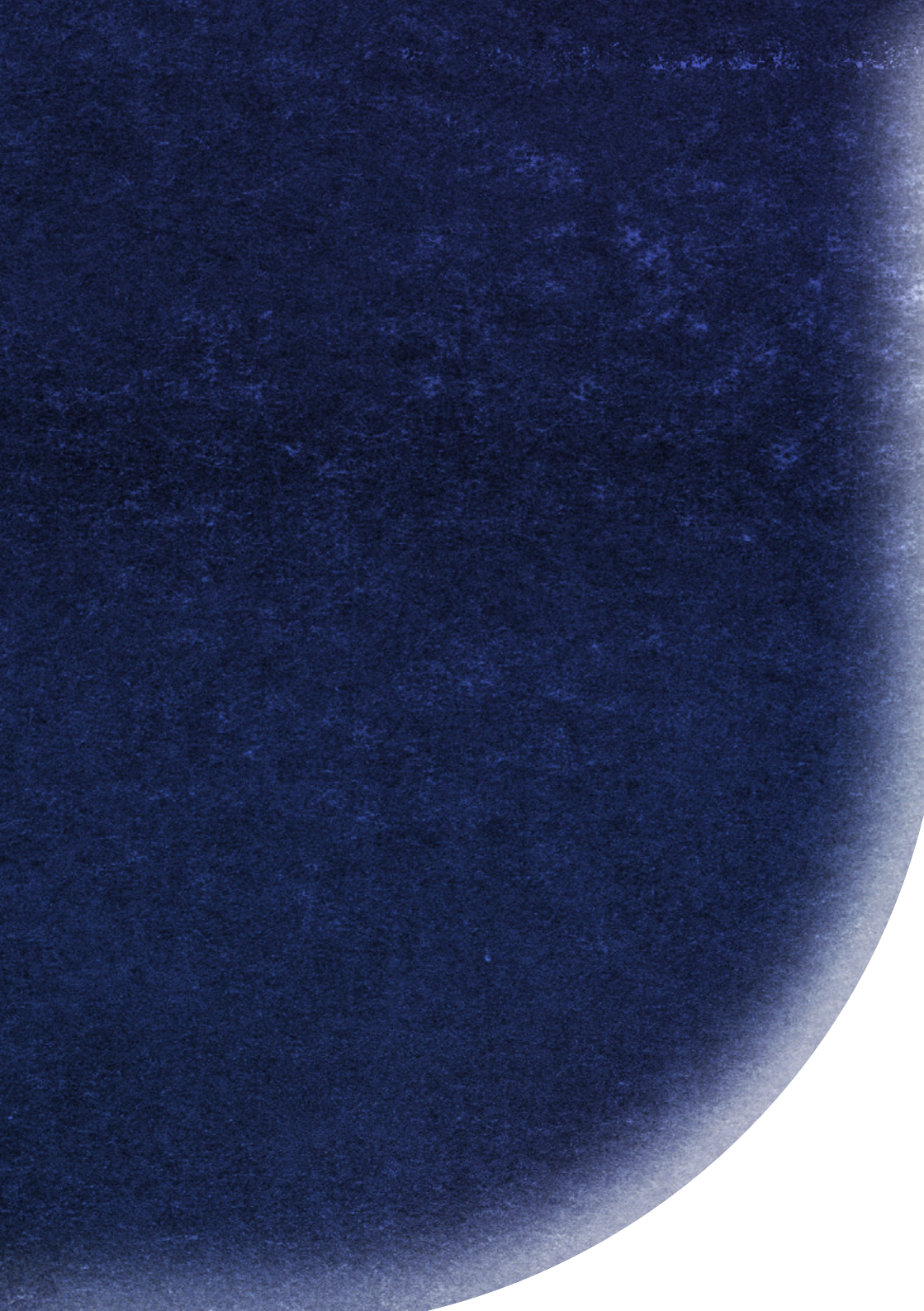
161

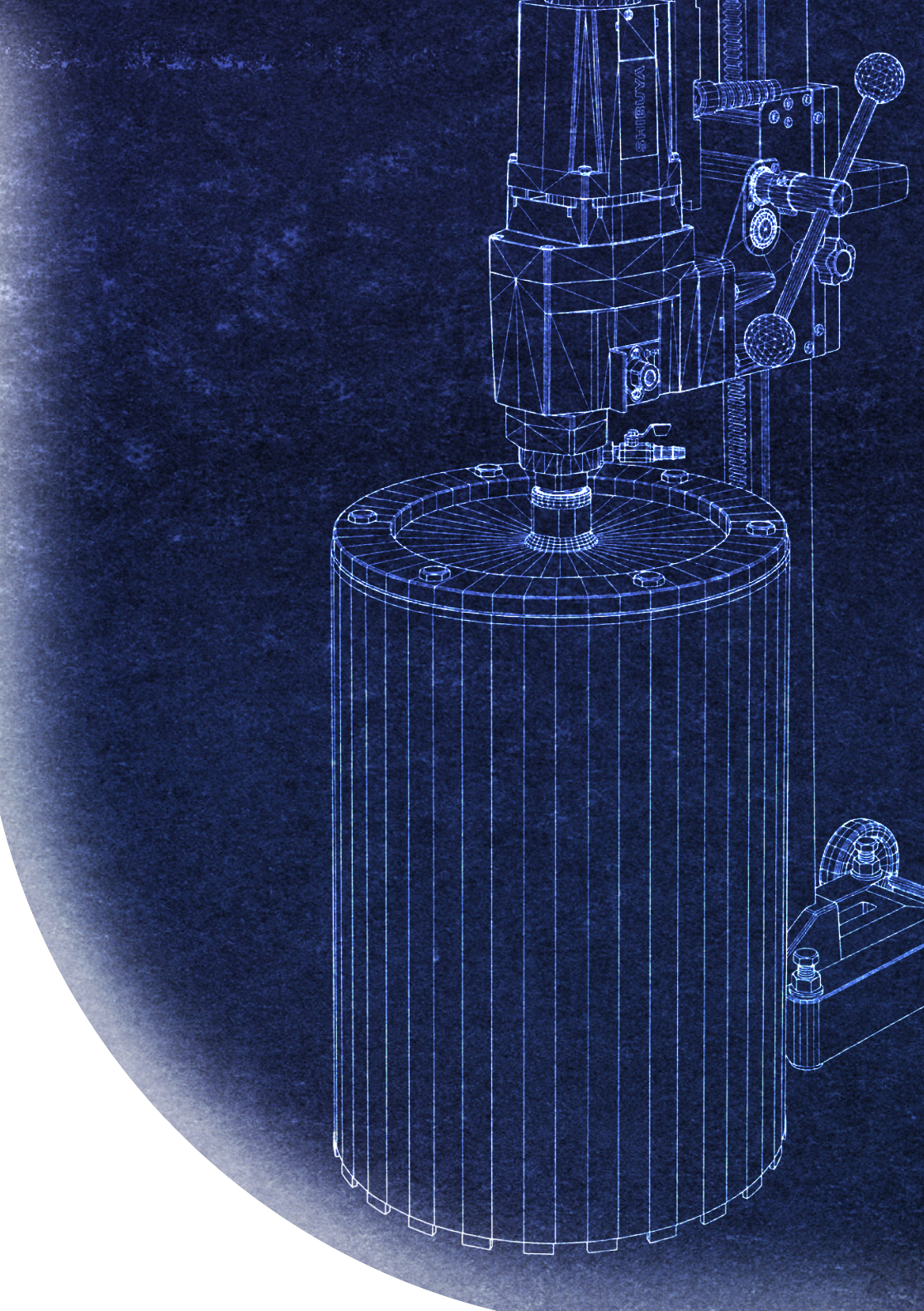
Cutters

171

Breakers

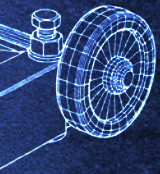
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the

CORE DRILLS, CUTTERS, & BREAKERS



WHAT TOOL?

Three questions: the cut, the size, and the power and water on site.

WHAT CUT?

→ Round hole, cored clean

Fixings, services and openings.

CORE DRILLS 161

→ Straight cut or opening

Sawn lines and openings, to depth.

CUTTERS 171

→ Channel for services

Cable and pipe chased into wall or floor.

MFE 40 173

→ Break it out

Concrete and screed broken out.

BREAKERS 177

HOW BIG, HOW DEEP?

→ Coring

Handheld to 200 mm for fixings:

stand rigs to 250 mm

DMP-352 / Shibuya T405 for huge holes.

HANDHELD 200 MM 168

STAND RIGS 250 MM 165

SHIBUYA TS-405 166

→ Cutting

Floor slabs to 320 mm on the FSE811:

clean hand lines on the K4000:

FSE811 173

K4000 172

→ Breaking

Floor-level demolition at 41 J, the GSH 16-28:

Break and drill at 16.8 J, the GSH 11 E:

GSH 16-28 178

GSH 11 E 179

WHAT'S ON SITE?

➔ 110 / 230 V site supply

SITE SUPPLIES 190

➔ Water on tap

Wet rigs and wet cutters need a hose and run-off.

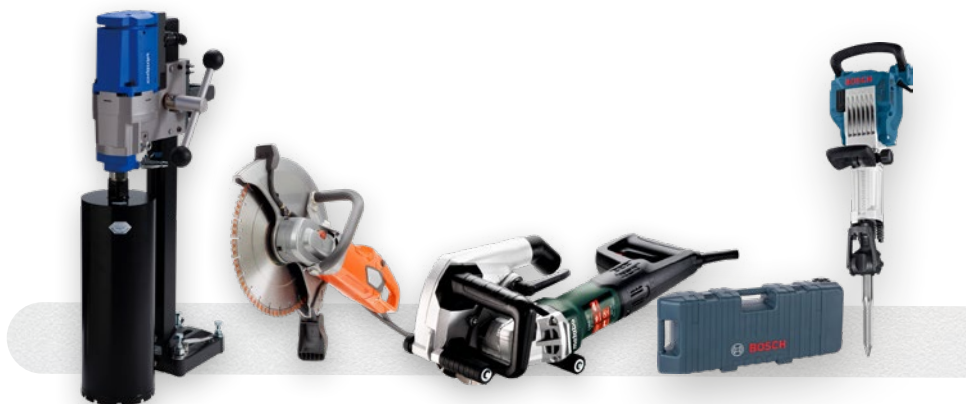
No water? Core dry behind a cowl.

➔ Dust class

M-class for fresh concrete, H-class over old coatings.

Match the vac to the dust class.

EXTRACTION 90



Wet work cools the diamond and lays the dust as slurry; dry work needs a collection unit

Set concrete opens four ways: a round hole cored out, a straight line sawn, a channel chased, or a section broken out. Diamond achieves the cuts, cooled by water or run behind a vac; the breaker does the fourth by impact.



WHAT THEY DO

WHY IT'S USED

WHAT TOOL?

Cores, cuts, chases and breaks set concrete on site. Core drills bore round holes, rig-mounted and wet for deep clean bores, hand-held for fixings. Power cutters and floor saws make straight cuts to depth. A wall chaser cuts service channels. Breaker hammers take out concrete and screed.

Coring for HVAC, plumbing, electrical and fixings. Cutting openings, expansion joints and doorways. Floor-sawing slabs to depth. Chasing cable and pipe into walls. Breaking out slabs and screed.

Core drills for round holes: rig-mounted and wet for deep clean bores up to 402 mm, hand-held for fixings. Power cutters and floor saws for straight cuts, the FSE811 to 320 mm deep. A wall chaser for service channels. Breaker hammers to break out, the GSH 16-28 for demolition at 41 J, the GSH 11 E to break and drill.

CORE	CUT	CHASE	BREAK
Wet rigs for clean deep holes, hand-held units for fixings: Shibuya, Bycon.	Power cutters and floor saws for straight cuts: K4000, FSE811.	Wall chaser and grinder sets for cable channels: Metabo MFE 40.	Breaker hammers break out concrete and screed: Bosch gsh series.



DUST AND WATER

Cutting and coring concrete dry is among the heaviest silica work on site. Wet work holds it down: the water cools the diamond and lays the dust as slurry. Dry work needs a cowl and an M-class extractor, H-class over old coatings; the 0.1 mg/m^3 eight-hour limit still applies (*S.I. 122 of 2024*). The vac goes on the hire order with the tool.

① **Core drill:** bores a round hole with a hollow diamond barrel.

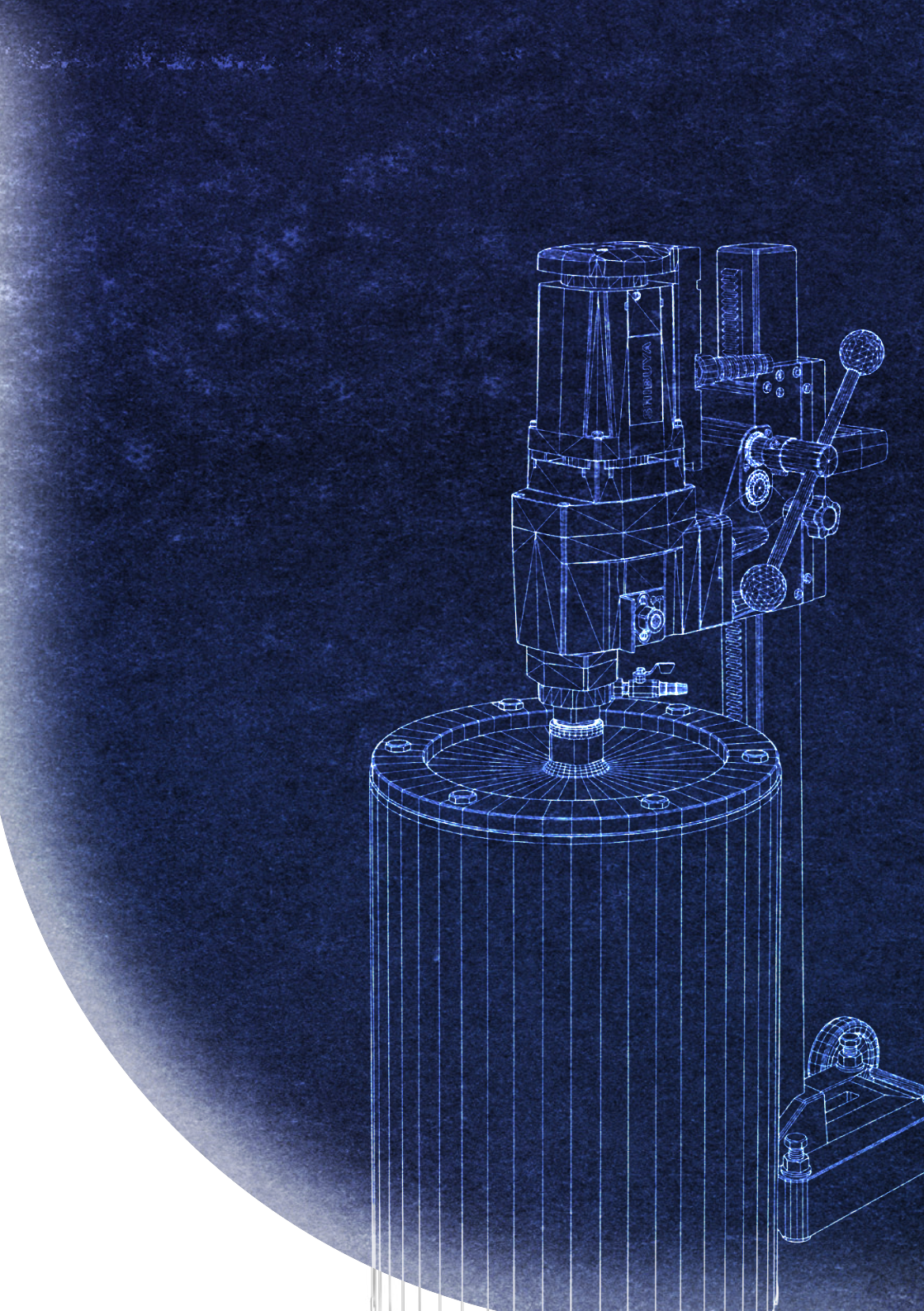
① **Chasing:** cutting a channel in a wall or floor for services.

① **Breaker:** percussion hammer that breaks out concrete and screed.

① **Impact energy (J):** the force of a breaker's blow, in joules; higher breaks harder.

① **Reinforced concrete:** concrete with steel bar inside; it needs a tougher diamond bond to cut.





the
CORE DRILLS



DRILL BITS



ADAPTERS	1/2" GAS ⊙ ↓ 1-1/4" UNC A	1-1/4" UNC ⊙ ↓ A-ROD B	M18 ⊙ ↓ 1-1/4" UNC C

● Native Connection

⊙ Via Adapter

— Not a core drill fitment



BIT MOUNT (THREAD)	BYCON DB-132 M18 Ø 132 dry + wet	BYCON DB-162/202D DMP-202BD UNC + GAS Ø 202 dry + wet	BYCON DMP-352 UNC Ø 402 wet	SHIBUYA TS-165 UNC Ø 180 wet	SHIBUYA TS-255 UNC Ø 250 wet	SHIBUYA TS-405 UNC Ø 400 wet
1-1/4" UNC	⊙ C	●	●	●	●	●
1/2" GAS	—	●	⊙ A	⊙ A	⊙ A	⊙ A
A-ROD	—	⊙ B	⊙ B	●	●	●

① **max Ø** = largest hole the machine bores; any bit up to it fits. DB-162D hand-held is limited to 162 mm.
Shibuya rigs include the UNC-TO-A-ROD adapter.
All three adapters (A, B, C) are in stock.



1-1/4" UNC Ø MM

	RM7H (WET)	32, 42, 47, 52, 57, 62, 68, 72, 77, 82, 92, 102, 112, 122, 126, 132, 142, 152, 162, 172, 182, 200, 225, 250, 275, 300, 320, 350, 400, 450, 500 mm
	RS7X(R) (WET)	32, 42, 52, 57, 62, 68, 72, 77, 82, 92, 102, 112, 122, 126, 132, 142, 152, 162, 172, 182, 200, 225, 250, 300, 400, 450, 500 mm
	RS8X (WET)	32, 42, 52, 62, 72, 77, 82, 92, 102, 112, 122, 126, 132, 142, 152, 162, 172, 182, 200, 250, 300, 350 mm
	RS-TX (DRY)	32, 42, 52, 62, 72, 82, 92, 102, 112, 122, 132, 142, 152, 162, 172, 182, 200
	RM-TX (DRY)	32, 42, 52, 62, 72, 82, 92, 100, 110, 120, 130, 140, 150, 160, 180, 200, 225, 250, 300 mm
	DISTAR REINFORCED CONCRETE (WET)	32, 42, 47, 52, 57, 62, 68, 72, 77, 82, 92, 102, 112, 122, 126, 132, 142, 152, 162, 172, 182, 200, 225, 250, 302 mm
	CORE BIT (WET)	42, 52, 62, 72, 82, 92, 102, 112, 127, 132, 152, 162, 170, 180, 190, 200, 220, 250, 280, 300, 350, 400, 450, 500, 600 mm
	CORE BIT (WET)	52, 112, 152 mm
	CORE BIT (WET)	52, 112, 152 mm
	DISTAR REINFORCED (WET)	25 mm

1/2" GAS Ø MM



RM4 (WET) 12, 14, 16, 18, 20, 22, 25, 28, 30, 32, 35 mm

A-ROD Ø MM

SHIBUYA 28, 32, 40, 52, 65, 70, 75, 80, 90, 100, 110, 120, 130,
YS-1 150, 160, 180, 200, 210, 230, 250, 260, 300 mm





**SHIBUYA
H1521
+ TS-165**

Single phase wet core drill on a fixed-base stand for routine concrete coring. Add the AB52 swivel base to tilt and drill at an angle; carry case optional.

WET / DRY	Wet
MAX DRILLING Ø	180 mm
DRILLING STROKE	497 mm
SPINDLE THREAD	1-1/4" UNC
SPINDLE SPEED	• 750 rpm • 1150 rpm
POWER INPUT	1.7 kW
VOLTAGE	• 110 V • 1 Phase • 50/60 Hz
PLUG SIZE	16 A, 3 pin
WEIGHT	16.7 kg
BASE DIMENSIONS	146 × 205 mm



DAY 1	€50
+1 DAY	€25
WEEK	€100

Height: 1011 mm



SHIBUYA H2021 + TS-255

Single phase wet core drill on a fixed-base stand for everyday concrete coring. Add the AB52 swivel base to tilt the column for angled holes.



WET / DRY	Wet
MAX DRILLING Ø	250 mm (with 30 mm spacer)
DRILLING STROKE	680 mm
SPINDLE THREAD	1-1/4" UNC
SPINDLE SPEED	• 450 rpm • 950 rpm
POWER INPUT	2.3 kW
VOLTAGE	• 110 V • 1 Phase • 50/60 Hz
PLUG SIZE	32 A, 3 pin
WEIGHT	19.4 kg
BASE DIMENSIONS	146 × 205 mm

DAY 1 **€74**

+1 DAY **€37**

WEEK **€148**

Height: 1060 mm



SHIBUYA H2231 + TS-405

Single phase wet core drill on a fixed-base stand for everyday concrete coring on bigger jobs. Add the AB61 swivel base to tilt for angled holes at depth.

WET / DRY	Wet
MAX DRILLING Ø	400 mm (with 30 mm spacer)
DRILLING STROKE	655 mm
SPINDLE THREAD	1-1/4" UNC
SPINDLE SPEED	• 300 rpm • 700 rpm • 1400 rpm
POWER INPUT	2.75 kW
VOLTAGE	• 110 V • 1 Phase • 50/60 Hz
PLUG SIZE	32 A, 3 pin
WEIGHT	32.6 kg
BASE DIMENSIONS	186 × 250 mm



DAY 1	€150
+1 DAY	€75
WEEK	€300



BYCON DB-132

Handheld micro-percussion core drill for dust-free dry drilling up to 132 mm, wet option too. For HVAC, plumbing and electrical fixings in concrete.

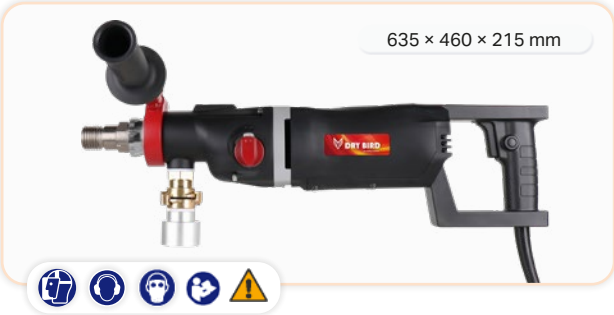
DAY 1 €30

+1 DAY €15

WEEK €60



WET / DRY	Dry & Wet
MAX DRILLING Ø	132 mm
SPINDLE THREAD	M18
SPINDLE SPEED	• 1500 rpm • 3000 rpm
IMPACT SPEED	• 24,000 bpm • 48,000 bpm
POWER INPUT	1.5 kW
VOLTAGE	• 110 V • 1 Phase • 50/60 Hz
PLUG SIZE	16 A, 3 pin
WEIGHT	3.7 kg



**BYCON
DB-202D**

Handheld micro-percussion core drill, dry or wet, for holes to 202 mm. Bigger dry penetrations through concrete and masonry on site.

DAY 1	€44
+1 DAY	€22
WEEK	€88



WET / DRY	Dry & Wet
MAX DRILLING Ø	202 mm
SPINDLE THREAD	• 1-¼" UNC • ½" G
SPINDLE SPEED	• 700 rpm • 1550 rpm
IMPACT SPEED	• 18,200 bpm • 40,300 bpm
POWER INPUT	2.6 kW
VOLTAGE	• 110 V • 1 Phase • 50/60 Hz
PLUG SIZE	16 A, 3 pin
WEIGHT	6.05 kg
COMPATIBLE STAND	DBS-162



**BYCON
DMP-202BD**

Three-speed wet diamond core drill for concrete, masonry and stone. Cores up to 202 mm, hand-held or stand-mounted for bigger holes.

DAY 1	€44
+1 DAY	€22
WEEK	€88



WET / DRY	Wet
MAX DRILLING Ø	• 202 mm • 102 mm • 52 mm
SPINDLE THREAD	• 1-¼" UNC • ½" G
SPINDLE SPEED	• 650 rpm • 1450 rpm • 3150 rpm
POWER INPUT	2.6 kW
VOLTAGE	• 110 V • 1 Phase • 50/60 Hz
PLUG SIZE	16 A, 3 pin
WEIGHT	6.65 kg
COMPATIBLE STAND	• DSP-162 • DSP-252



BYCON DB-162D

Handheld micro-percussion core drill, dry or wet, to 162 mm free-hand or 202 mm on a stand. Dust-free finishing work in concrete and masonry.

DAY 1 €44

+1 DAY €22

WEEK €88



WET / DRY	Dry & Wet
MAX DRILLING Ø	• 162 mm (hand-held)
	• 202 mm (stand)
SPINDLE THREAD	• 1-¼" UNC
	• ½" G
SPINDLE SPEED	• 640 rpm
	• 1420 rpm
IMPACT SPEED	• 16,640 bpm
	• 36,920 bpm
POWER INPUT	2.2 kW
VOLTAGE	• 110 V
	• 1 Phase
	• 50/60 Hz
PLUG SIZE	16 A, 3 pin
WEIGHT	6.5 kg
COMPATIBLE STAND	• DSP-162
	• DSP-252

BYCON DMP-352

635 × 460 × 215 mm



Heavy three-speed wet diamond core drill for stand-mounted work. Cores up to 402 mm through concrete, masonry and stone on big jobs.

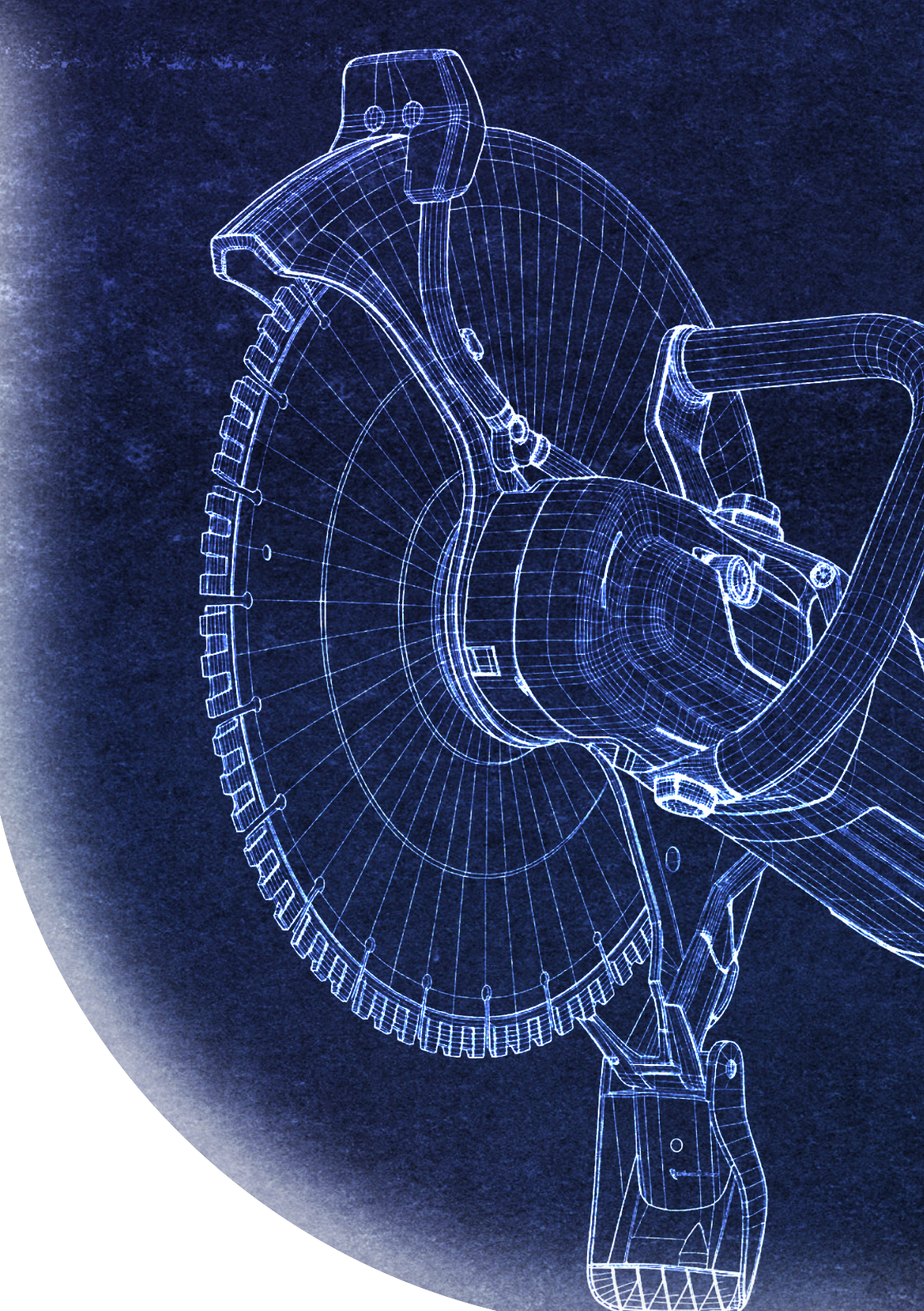
DAY 1 €124

+1 DAY €62

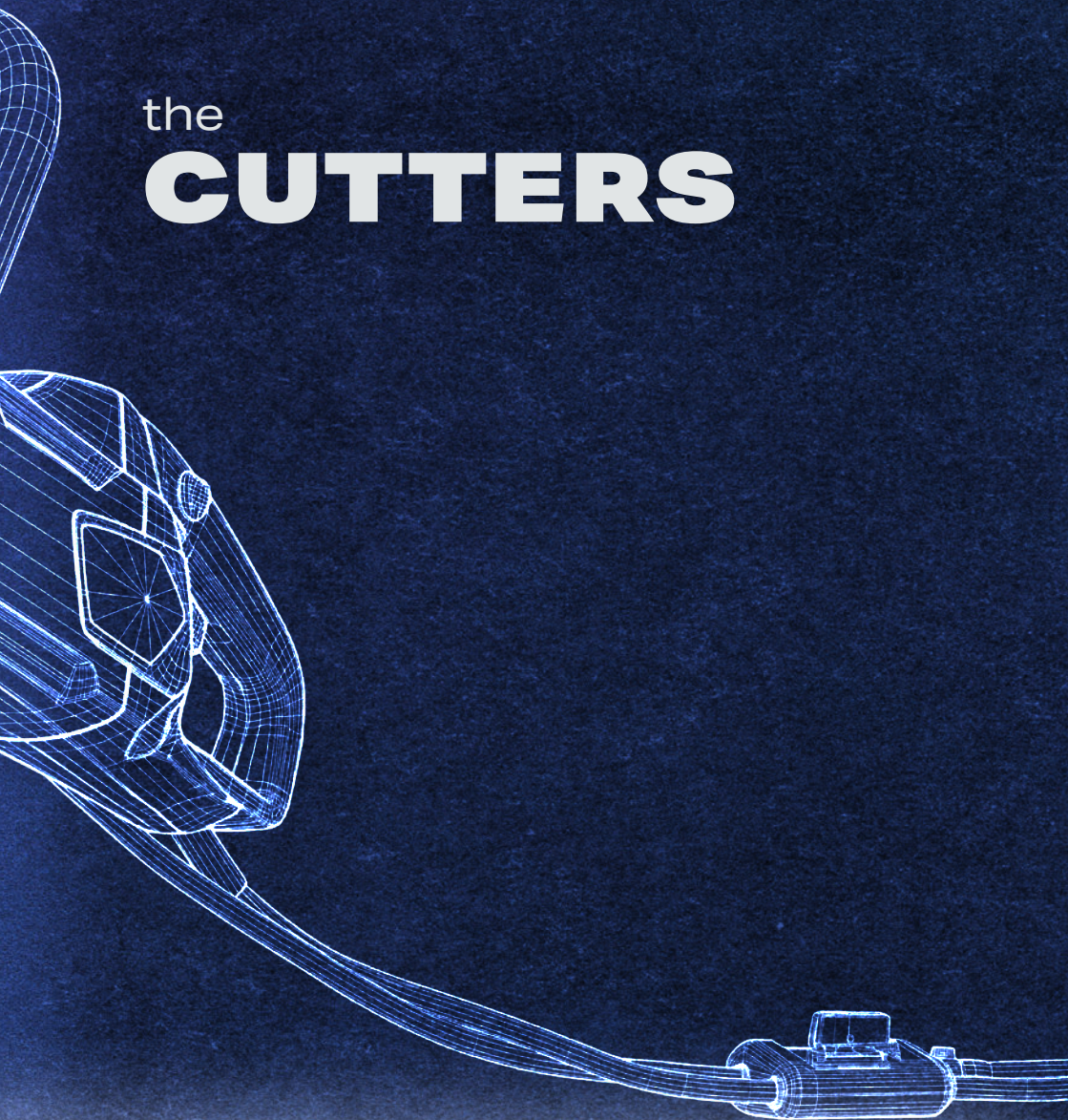
WEEK €248



WET / DRY	Wet
MAX DRILLING Ø	• 402 mm
	• 202 mm
	• 102 mm
SPINDLE THREAD	1-¼" UNC
SPINDLE SPEED	• 350 rpm
	• 700 rpm
	• 1100 rpm
POWER INPUT	3.3 kW
VOLTAGE	• 110 V
	• 1 Phase
	• 50/60 Hz
PLUG SIZE	16 A, 3 pin
WEIGHT	13.5 kg
COMPATIBLE STAND	• DSP-352
	• DSP-2000



the
CUTTERS





HUSQVARNA K4000

This electric all-round cutter minimises the amount of water and slurry. Unlike other electric cutters, the blade rotates forward, cutting into the material efficiently.

DAY 1	€64
+1 DAY	€32
WEEK	€128



VOLTAGE	110 V
PLUG SIZE	32 A, 3 pin
MOTOR POWER	2.7 kW
CUTTING DEPTH MAX	0–125 mm
BLADE DIAMETER	350 mm
ARBOR DIAMETER	25.4 mm
BLADE THICKNESS MAX	5.6 mm
PERIPHERAL SPEED MAX	100 m/s
WEIGHT	7.6 kg
SOUND LEVEL	105 dB(A)
SOUND PRESSURE	95 dB(A)
VIBRATIONS	3.5 m/s ²



HUSQVARNA K4000EL

The Cut-n-Break method is the natural choice when you need to cut deep but want a machine with low tool and maintenance costs.

DAY 1	€90
+1 DAY	€45
WEEK	€180



VOLTAGE	110 V
PLUG SIZE	32 A, 3 pin
MOTOR POWER	2.7 kW
CUTTING DEPTH MAX	0–400 mm
BLADE DIAMETER	230 mm
BLADE THICKNESS MAX	2.5 mm
PERIPHERAL SPEED MAX	60 m/s
WEIGHT	8.4 kg
SOUND LEVEL	109 dB(A)
SOUND PRESSURE	95 dB(A)
VIBRATIONS LEFT/FRONT HANDLE	3.2 m/s ²



METABO MFE 40

Ideal for electrical installations to lay cables and pipework under plaster with cutting depths up to 40 mm.

DAY 1 €60

+1 DAY €30

WEEK €120



CUTTING DEPTH	10–40 mm
GROOVE WIDTHS	9 / 15.5 / 22 / 28.5 / 35 mm
CUTTING DISC	Ø 125 mm
RATED INPUT POWER	1.7 kW
PLUG SIZE	16 A, 3 pin
OUTPUT POWER	0.97 kW
NO-LOAD SPEED	5000 rpm
SPEED AT RATED LOAD	4000 rpm
TORQUE	6 Nm
WEIGHT	4.6 kg
VIBRATION	5.5 m/s ²
SOUND POWER LEVEL	104 dB(A)



TYROLIT FSE811

Floor saw for cutting depths up to 320 mm. Quick and easy to change from left to right cutting. Integrated safety.

DAY 1 €190

+1 DAY €95

WEEK €380



VOLTAGE	400 V
PLUG SIZE	32 A, 5 pin
POWER OUTPUT	7.5 kW
MAX CUT DEPTH	0–320 mm
SAW BLADE SPEED	1250 rpm
BLADE HOLDER DIAMETER	25.4 mm
CARRIER DIAMETER	11.5 mm
WEIGHT	57.4 kg



ANGLE GRINDER: CUTTING SET 125 MM

125 mm cutting set: For cutting and chasing clean lines in concrete, screed and masonry. Pairs with the Nakaya 125-MA dust cowl for indoor work.

DAY 1	€30
+1 DAY	€15
WEEK	€60

VOLTAGE	110 V / 230 V
PLUG SIZE	16 A, 3 pin
MOTOR POWER	1.1 kW / 1.5 kW
DISC DIAMETER	115–125 mm
ATTACHMENTS	Nakaya 125-MA
RECOMMENDED VACUUM	Metabo ASR 35
CUTTING DEPTH	25 mm (with guard)





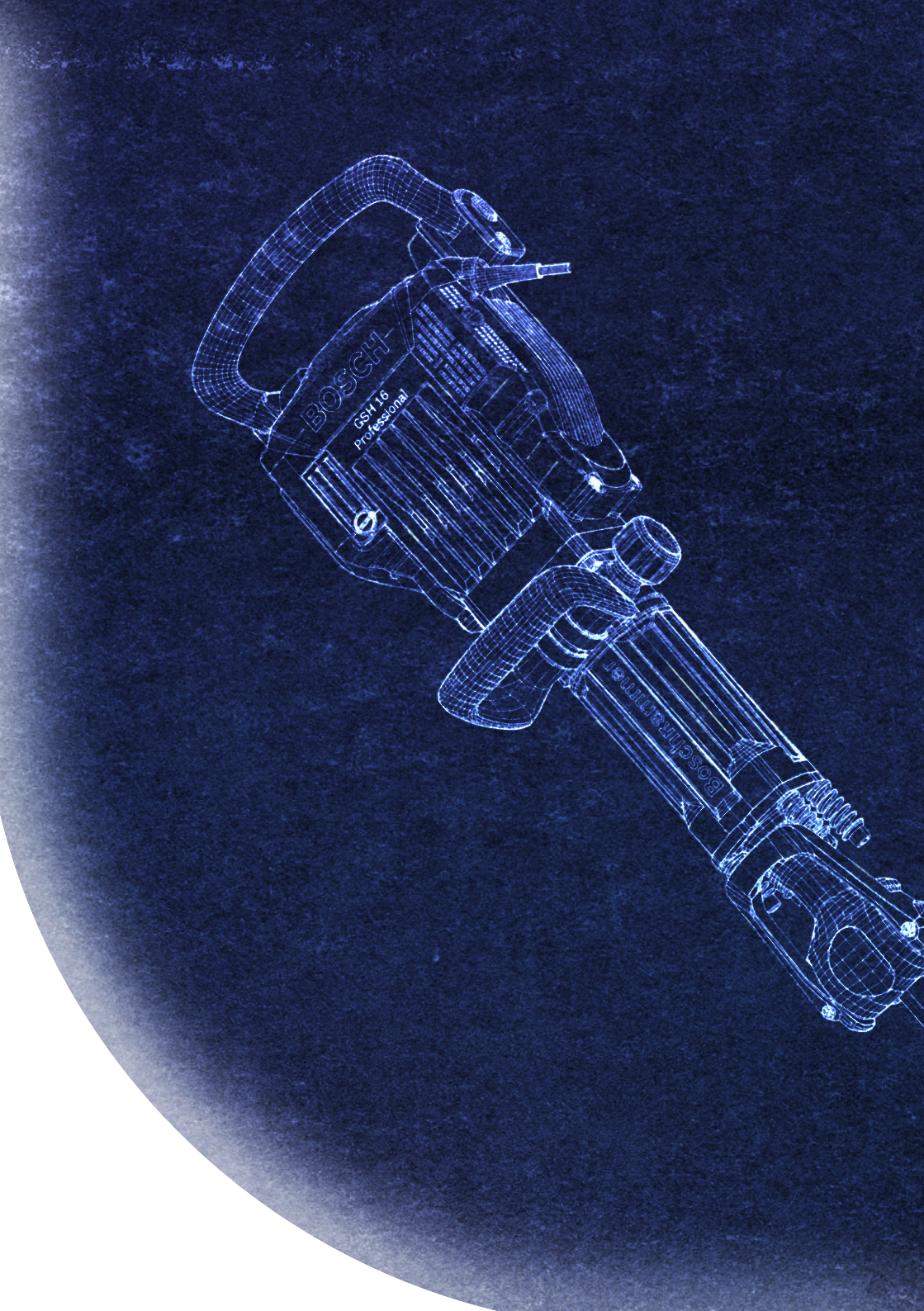
**ANGLE GRINDER:
CUTTING SET 230 MM**

230 mm cutting set: For deeper cutting and chasing in concrete and masonry. Pairs with the Nakaya NK 230 dust tank to keep dust down indoors.

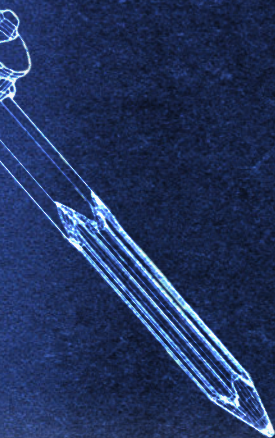
DAY 1	€34
+1 DAY	€17
WEEK	€68



VOLTAGE	110 / 230 V
PLUG SIZE	32 A, 3 pin
MOTOR POWER	2.2–2.4 kW
DISC DIAMETER	180 mm
ATTACHMENTS	Nakaya NK 230
RECOMMENDED VACUUM	MTL 202 DS / DSLP MTL 452
CUTTING DEPTH	60 mm (with guard)



the
BREAKERS



BOSCH GSH 16-28

Breaker hammer.
Breaking concrete and
screed at floor level. 41
J impact, 1280 bpm on
110 V. HEX 28 mm tool
holder.

DAY 1	€44
+1 DAY	€22
WEEK	€88



IMPACT ENERGY	41 J
IMPACT RATE	1280 bpm
TOOL HOLDER	HEX 28 mm
POWER INPUT	1.75 kW
VOLTAGE	• 110 V • 1 Phase
PLUG SIZE	32 A, 3 pin
WEIGHT	18.3 kg
VIBRATION	12.3 m/s ²

BOSCH GHT 130

Wheeled trolley for
the Bosch GSH 16-28
breaker. For moving
and supporting the
breaker.

DAY 1	€60
+1 DAY	€30
WEEK	€120





BOSCH GSH 11 E

SDS-max combination breaker. For breaking and drilling in concrete and stone on site. 16.8 J, 1050–1890 bpm on 110 V.

DAY 1 **€36**

+1 DAY **€18**

WEEK **€72**



IMPACT ENERGY	16.8 J
IMPACT RATE	1050–1890 bpm
TOOL HOLDER	SDS-max
POWER INPUT	1.5 kW
VOLTAGE	• 110 V • 1 Phase
PLUG SIZE	16 A, 3 pin
WEIGHT	10.1 kg
VIBRATION	20 m/s ²