

DUSS



ROTARY HAMMERS, BREAKERS
DIAMOND CORE DRILLS

The FRIEDRICH DUSS Maschinenfabrik GmbH & Co. KG specialises in the development, production and sale of rotary hammers, breakers and diamond core drills for professional use. The brand name DUSS is synonymous with products and services of the highest quality standards.

TOP QUALITY MADE IN GERMANY

As a medium-sized company, operating on an international scale, we support our customers in every possible way, particularly when experience and innovative ideas are needed to ensure cost-effective drilling and chiselling. Our success is built around a dependable team of highly trained, committed personnel.



CONTENTS

4 · Innovation with tradition	Company history
6 · Convincing details	Product advantages
7 · At a glance	Machines and technical data in brief
11 · ROTARY HAMMERS, BREAKERS	Advanced engineering built to last
12 · B 13 B	drill driver
13 · B 13/2 RLE	2-speed rotary drill
14 · SB 13/2 RLE	2-speed impact drill
15 · Accessories	B 13 B, B 13/2 RLE, SB 13/2 RLE
16 · D 38 RLE	4-speed rotary drill
17 · Accessories	D 38 RLE
18 · P 16 SDS	rotary hammer
19 · P 26 SDS	rotary hammer
20 · Tools · Accessories	P 16 SDS, P 26 SDS, P 26 C
22 · COMBI HAMMERS	Product guide
24 · P 26 C	combi hammer
25 · P 30	combi hammer
26 · Tools · Accessories	P 30
28 · P 60 A	combi hammer
29 · P 90	combi hammer
30 · Tools · Accessories	P 60 A, P 90
33 · PX 48 A	combi hammer
34 · PX 76	combi hammer
35 · PX 78	combi hammer
36 · PX 96	combi hammer
37 · Tools · Accessories	PX 48 A, PX 76, PX 78, PX 96, PKX 4 A, PKX 7
40 · BREAKERS AND DEMOLITION HAMMERS	Product guide
42 · PKX 4 A	breaker
43 · PKX 7	breaker
44 · PK 35	breaker
45 · PK 45 · PK 45 A	breakers
46 · PK 75 · PK 75 A	breakers
47 · Tools · Accessories	PK 35, PK 45, PK 45 A, PK 75, PK 75 A
48 · PK 160 A	demolition hammer
49 · PK 300 A	demolition hammer
50 · PK 600	demolition hammer
51 · Tools · Accessories	PK 160 A, PK 300 A, PK 600
52 · DIAMOND CORE DRILLS	Premium choice for 100% flexibility · Inspiring technology
54 · DIAMOND CORE DRILLS, DRY DRILLING	Product guide
56 · DIA 80	diamond core drill, dry drilling
57 · Tools · Accessories	DIA 80
58 · DIA 200 · DIA 300	diamond core drills, dry drilling
59 · DIA 303	diamond core drill, dry drilling
60 · DIAMOND CORE DRILLS, WET AND DRY DRILLING	Product guide
62 · DIA 50 W	diamond core drill, wet drilling
63 · Diamond core bits · Accessories	DIA 50 W
64 · DIA 100 W · DIA 150 W · DIA 300 W	diamond core drills, wet and dry drilling
65 · DIA 303 W	diamond core drill, wet and dry drilling
66 · Diamond core bits · Accessories · Industrial vacuum cleaners · Drill stands	DIA 200, DIA 300, DIA 303, DIA 50 W, DIA 100 W, DIA 150 W, DIA 300 W, DIA 303 W
75 · DIA 400 W	diamond core drill, wet drilling
76 · Diamond core bits · Accessories · Drill stand	DIA 400 W
79 · EXTRACTION SYSTEMS	suction cups, dust extractors
82 · CORE CUTTERS	for plastic materials, wood and wood composites
86 · BST	drill stands
88 · There when you need us	Services
90 · Value retention	Maintenance

COMPANY HISTORY

INNOVATION WITH TRADITION

Innovations are part of a long tradition in our company's history, which owes its origins to the enterprise and energy of Friedrich Duss, who founded a small workshop in Neubulach, in 1920, for the production of electrical control panels and DC motors.

From a small family business, a modern industrial undertaking evolved, specialising in rotary hammers, breakers and diamond core drills which, thanks to a spirit of inventiveness and countless patents, has acquired an international reputation. Among its outstanding successes, DUSS can claim a number of technological achievements which, today, are taken for granted by users on building sites.

Thus, at the beginning of the 1950s, DUSS amazed the building trade with the invention of a fully insulated, hand-held drill. At about the same time, a two-speed rotary drill with pistol grip also bore the name of DUSS.

The company was responsible for another milestone at the beginning of the 1960s with the development of an electro-pneumatic combi hammer, which, for the first time, featured an integrated dust extraction, a safety clutch, a drilling/chiselling selector switch and oil mist lubrication - all revolutionary at the time.

Moreover, since then, DUSS has repeatedly astonished the experts in the field with new developments, a long series of which extend all the way to the present day. A few years ago, the company was able to introduce the world's first SDS-max combi hammer in the 4-kilo class.

We look with pride on our DIA 303 W 3-speed diamond core drill, which is admired for its outstanding performance and compact angular design.

While applications may have changed, our original policy still holds good. As always, we give priority to the quest for the optimum in industrial products, made to the highest quality standards. This principle runs like a red thread through the entire company history of DUSS. A living, innovative tradition which we maintain with the utmost conviction and commitment.



Company founder Friedrich Duss

COMPANY HISTORY

1920

Pioneering spirit born of passion: Friedrich Duss establishes a workshop at Neubulach in the Black Forest for the production of electric control panels and DC motors.

1926

Introduction of an electric rotary drill at the Industrial Exhibition in Leipzig, Germany.

1964

DUSS produces a masterpiece in its P 50 electro-pneumatic combi hammer featuring an integrated dust extraction, safety clutch, oil mist lubrication and drilling/chiselling selector switch, for the first time.

1968

In the P 28, DUSS introduces the lightest electro-pneumatic combi hammer.

1976

Powerful and practical – the PK 40 is DUSS's first, pure breaker.

1999

A DUSS original – the PX 46 is the world's lightest combi hammer with SDS-max chuck.

2002

Potentially record-breaking! The PK 160 and PK 300 demolition hammers achieve levels of performance comparable with compressor powered models.

2003

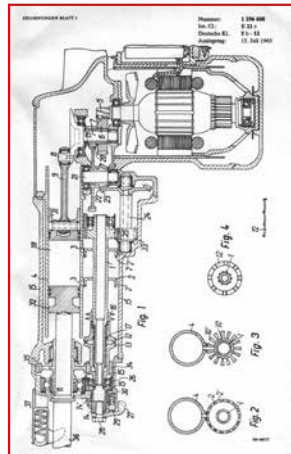
All-embracing technology – DUSS offers a complete range of diamond core drills for wet and dry use.

2008

The DIA 303 W is the world's first compact, angled diamond core drill with a 3-speed gearbox.

2009

RVA (Recoil Vibration Absorber): The combi hammers and breakers with the novel vibration damping offer superior performance and significantly reduced vibrations.



PRODUCT ADVANTAGES

CONVINCING DETAILS

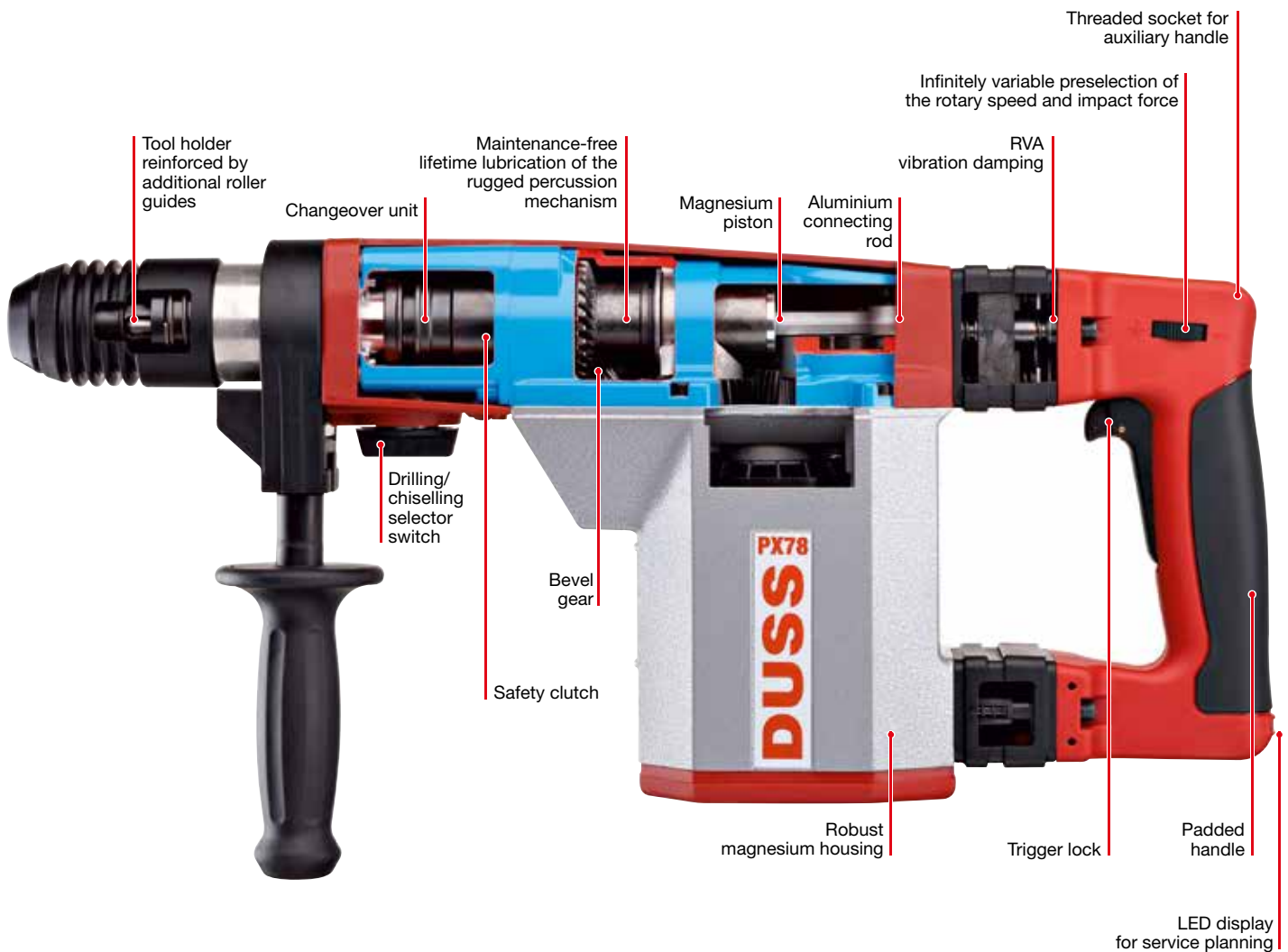
Whether rotary hammer, combi hammer, breaker or diamond core drill, all our products comply with the highest standards of quality in every detail.

We know what we are talking about. Our machines and tool components are predominantly made in our own factory, while the depth of our production facilities enables us to meet even unusual customers' requirements in the minimum of time.

All DUSS machines embody two important properties, namely **prolonged service life, thanks to uncompromising quality, and superior performance as a consequence of innovative technology.**

Our machines are easy and convenient to use. A sealed lubrication system assures the user of freedom from maintenance, while a precision electronic control system permits the selection of the optimum, infinitely variable rotary speed and/or impact force.

The trigger lock is a particularly practical feature for continuous use. Damping elements and padded grips provide protection against vibration and permit nonfatiguing work. Also take a look at the robust gearing. Every DUSS machine is good for years and years of reliable service.



MACHINES AND TECHNICAL DATA IN BRIEF

AT A GLANCE

ROTARY DRILLS AND ROTARY HAMMERS

Product	Machine weight (kg)	Drilling dia. in steel (mm) 1st/2nd gear	Drilling dia. in wood (mm) 1st/2nd gear	Drilling dia. core bit (mm) 1st/2nd gear	Page
B 13 B drill driver	2.8	-/8	-/20	-/-	12
B 13/2 RLE 2-speed rotary drill	1.9	16/8	40/20	-/-	13
SB 13/2 RLE 2-speed impact drill	2.0	16/8	40/20	66/-	14
D 38 RLE 4-speed rotary drill	8.6	32/-	130/-	600*/-	16
Product	Machine weight (kg)	Chuck	Drilling dia. drill bit (mm)	Drilling dia. core bit (mm)	Page
P 16 SDS rotary hammer	2.7	SDS-plus	5 - 24	-	18
P 26 SDS rotary hammer	3.6	SDS-plus	5 - 30	40 - 82	19

* In polypropylene with LS core cutter

COMBI HAMMERS

Product guide						22/23
Product	Machine weight (kg)	Chuck	Drilling dia. drill bit (mm)	Drilling dia. core bit (mm)	Chiselling performance* (kg/h)	Page
P 26 C	3.9	SDS-plus	5 - 30	40 - 82	approx. 50	24
P 30	4.5	13 mm hexagon	5 - 35	45 - 82	approx. 80	25
P 60 A	7.2	19 mm hexagon	8 - 55	55 - 100	approx. 105	28
P 90	8.0	19 mm hexagon	8 - 80	55 - 125	approx. 160	29
PX 48 A	5.5	SDS-max	8 - 55	45 - 90	approx. 125	33
PX 76	6.7	SDS-max	12 - 80	45 - 150	approx. 150	34
PX 78	7.6	SDS-max	12 - 80	45 - 150	approx. 200	35
PX 96	8.6	SDS-max	12 - 80	45 - 150	approx. 220	36

* In hard C45/55 concrete with pointed chisel

AT A GLANCE

BREAKERS AND DEMOLITION HAMMERS

Product guide					40/41
Product	Machine weight (kg)	Chuck	Chiselling	Chiselling performance* (kg/h)	Page
PKX 4 A breaker	5.4	SDS-max	•	approx. 135	42
PKX 7 breaker	7.3	SDS-max	•	approx. 280	43
PK 35 breaker	3.7	16 mm hexagon	•	approx. 90	44
PK 45 breaker	4.5	16 mm hexagon	•	approx. 100	45
PK 45 A breaker	4.9	16 mm hexagon	•	approx. 100	45
PK 75 breaker	6.2	16 mm hexagon	•	approx. 260	46
PK 75 A breaker	6.6	16 mm hexagon	•	approx. 280	46
PK 160 A demolition hammer	9.8	22 mm hexagon	•	approx. 475	48
PK 300 A demolition hammer	13.6	22 mm hexagon	•	approx. 730	49
PK 600 demolition hammer	17.4	22 mm hexagon	•	approx. 1220	50

* In hard C45/55 concrete with pointed chisel

DIAMOND CORE DRILLS, DRY DRILLING

Product guide					54/55
Product	Machine weight (kg)	Chuck	Drilling dia. (mm) dry	Speed (rpm)	Page
DIA 80	5.1	Quick release system / M16	68, 72, 82	650 - 1100	56
DIA 200	5.0	G 1/2"	82 - 250	380 - 490	58
DIA 300	5.0	G 1/2"	127 - 300	230 - 320	58
DIA 303	6.2	G 1/2"	52 - 300	360/680/1270	59

MACHINES AND TECHNICAL DATA IN BRIEF

DIAMOND CORE DRILLS, WET AND DRY DRILLING

Product guide						60/61
Product	Machine weight (kg)	Chuck	Drilling dia. (mm) wet	Drilling dia. (mm) dry	Speed (rpm)	Page
DIA 50 W*	6.1	Quick release system	8 - 42	-	3000 - 4000	62
DIA 100 W	6.1	G 1/2"	32 - 102	52 - 112	900 - 1200	64
DIA 150 W	6.1	G 1/2"	52 - 162	82 - 212	480 - 630	64
DIA 300 W	6.1	G 1/2"	112 - 300	127 - 300	260 - 350	64
DIA 303 W	6.4	G 1/2"	32 - 300	52 - 300	360/680/1270	65
DIA 400 W*	12.0	1 1/4" UNC	67 - 400	-	230/480/720	75

* The DIA 50 W and DIA 400 W are only suitable for wet drilling

EXTRACTION SYSTEMS · CORE CUTTERS · DRILL STANDS

Product	Applications	Page
ASG suction cups	Dust-free dry drilling and clean diamond core drilling	79
MASH dust extractors	Dust-free chiselling work	80
MASP dust extractor	Dust-free chiselling and demolition work	80
LS core cutter	Drilling in plastic materials	82
LB wood core cutter	Drilling in wood and wood composites	83
BST drill stands	Right-angled and centric drilling	86



ROTARY HAMMERS · BREAKERS

ADVANCED ENGINEERING BUILT TO LAST

Specialists who spend many hours a day working with rotary hammers and breakers cannot afford to compromise on quality. They need machines which are powerful, proven and can be relied upon one hundred per cent. DUSS understands what it is that professionals need, and ensures that all these requirements flow into every product development. The outcome: high-performance, premium-quality and reliable tools which do an outstanding job day in day out under the toughest conditions.

Weight/performance ratio

Experienced specialists know that when drilling anchor holes, sinking sockets, drilling, chiselling, slotting and precise finish processing, particularly when working on scaffolding or ladders, high-powered performance coupled with low machine weight are key.

Machines “made by DUSS” are characterized by an exceptionally favourable weight-to-performance ratio, balanced weight distribution and convenient handling.



Ergonomic handle arrangement

For vertical jobs, an auxiliary handle can be simply screwed in, permitting drilling and chiselling downwards for an optimum ergonomic working position without straining your back. Ergonomy equals economy, as less strain allows you to go on working for longer.



Main handle and auxiliary handle are perfectly positioned – for maximum convenience and productivity

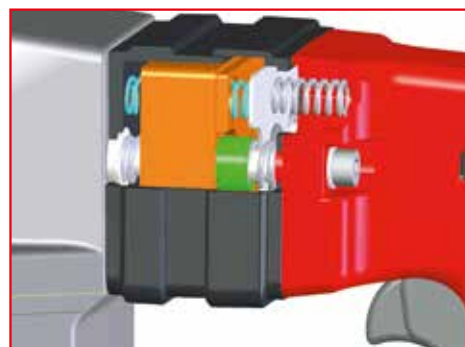
Safety clutch

Our low-wear safety clutch, with gentle starting torque (a unique feature), protects the user from injury and the motor from being overloaded.



RVA (Recoil Vibration Absorber)

The RVA vibration damping reduces the vibration loads affecting the user to a minimum – ensuring comfortable continuous use at high operation comfort. An active oscillating mass directly counteracts the recoils and effectively absorbs the vibration occurring. The two-stage decoupled handle guarantees the highest possible vibration damping – also, when using the auxiliary handle.



DRILL DRIVER

B 13 B



B 13 B applications

- Installing screws, also large screws
- Small and large drill holes (1st/2nd gear)
- Working with hole saws and Forstner bits
- Removing screws
- Mixing and stirring viscous substances
- Applications, requiring high torque (Drilling into stainless steel panels, threading with low torque, etc.)

B 13 B features

- Very high torque in 1st gear (120 Nm)
- High speed in 2nd gear
- Speed infinitely adjustable with pushbutton switch
- Clockwise/anticlockwise selector switch
- Direct torque control (DTC) protects the mechanical components of the drill driver from being overloaded
- High-strength magnesium gear housing
- Robust, heavy-duty drill spindle mounting
- 3-level reduced 2-speed gear
- Robust large dimensioned side handle, pivotable about 360°, with a gummed surface for a safe grip
- High quality keyless chuck for a rapid and easy tool change



Rated power	760 W
Screwing in softwood, without pilot drilling, max.	11 x 400 mm
Set torque (1st gear)	120 Nm
Machine weight	2.8 kg
Drill spindle thread	1/2" - 20 UNF
Spindle collar dia.	43 mm
Chuck clamping range	dia. 1.5 - 13 mm

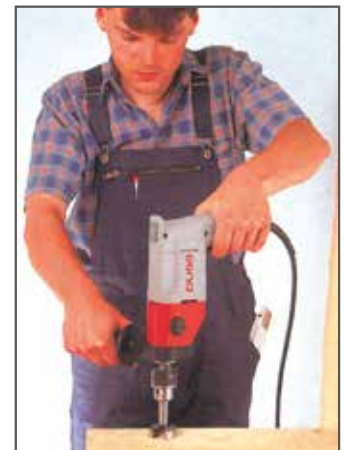
Drilling dia. in	1st gear	2nd gear
softwood with Forstner bit	51 - 80 mm	up to 50 mm
Rated speed	0 - 170 rpm	0 - 1320 rpm

Order-No. B 13 B

Standard specification: DUSS B 13 B drill driver, keyless chuck with locking screw, side handle.

2-SPEED ROTARY DRILL

B 13/2 RLE



B 13/2 RLE applications

- Small and large drill holes (1st/2nd gear)
- Installing screws, also large screws
- Mixing and stirring viscous substances
- Working with hole saws
- Removing paint and rust with a brush
- Polishing

B 13/2 RLE features

- High torque in 1st gear (45 Nm)
- High speed in 2nd gear
- Speed infinitely adjustable with pushbutton switch/adjusting dial
- Clockwise/anticlockwise selector switch
- High-strength magnesium gear housing
- Robust heavy-duty drill spindle mounting
- 3-level reduced 2-speed gear
- High quality keyless chuck for a rapid and easy tool change

Rated power	650 W
Screws up to	dia. 12 mm
Set torque (1st gear)	45 Nm
Machine weight	1.9 kg
Drill spindle thread	1/2" - 20 UNF
Spindle collar dia.	43 mm
Chuck clamping range	dia. 1.5 - 13 mm

Drilling dia. in	1st gear	2nd gear
steel	16 mm	8 mm
softwood	40 mm	20 mm
lightweight materials with hole saw	105 mm	50 mm
Rated speed	0 - 450 rpm	0 - 1550 rpm

Order-No. B 13/2 RLE

Standard specification: DUSS B 13/2 RLE 2-speed rotary drill, keyless chuck with locking screw, side handle, depth stop.

2-SPEED IMPACT DRILL

SB 13/2 RLE



SB 13/2 RLE applications

- Drilling in masonry and concrete
- Drilling anchor holes
- Small and large drill holes (1st/2nd gear)
- Installing screws, also large screws
- Mixing and stirring viscous substances
- Working with hole saws
- Sinking sockets with core bits
- Removing paint and rust with a brush
- Polishing

SB 13/2 RLE features

- Rapid changeover, drilling/percussion drilling
- High torque in 1st gear (45 Nm)
- High speed in 2nd gear
- Speed and impact force infinitely adjustable with pushbutton switch/adjusting dial
- Clockwise/anticlockwise selector switch
- High-strength magnesium gear housing
- Robust heavy-duty drill spindle mounting
- 3-level reduced 2-speed gear
- High quality keyless chuck for a rapid and easy tool change

Rated power	650 W
Screws up to	dia. 12 mm
Set torque (1st gear)	45 Nm
Machine weight	2.0 kg
Drill spindle thread	1/2" - 20 UNF
Spindle collar dia.	43 mm
Max. impact rate	42000 impacts/min
Chuck clamping range	dia. 1.5 - 13 mm

Drilling dia. in	1st gear	2nd gear
steel	16 mm	8 mm
softwood	40 mm	20 mm
stone	20 mm	13 mm
lightweight materials with hole saw	105 mm	50 mm
sand-lime brick and masonry with core bit	66 mm	-
Rated speed	0 - 450 rpm	0 - 1550 rpm

Order-No. SB 13/2 RLE

Standard specification: DUSS SB 13/2 RLE 2-speed impact drill, keyless chuck with locking screw, side handle, depth stop.

DRILL DRIVER · ROTARY DRILLS

ACCESSORIES

B 13 B · B 13/2 RLE · SB 13/2 RLE



Socket adapter

Adapter for sockets with 1/2" square for keyless chuck

Order-No. STA

B 13/2 RLE · SB 13/2 RLE



KB 43 drill stand

offers outstanding performance and accuracy for precise stand mounted drilling

KB 43 applications

- Right-angled drilling
- Stationary use of rotary drills and impact drills, tappers, screw drivers and straight grinders with a spindle collar dia. of 43 mm

KB 43 features

- Base plate, thrust head and drill holder manufactured from solid, hammer-finish painted grey cast iron
- Rapid and simple fitting and removal of the drill
- Column, thrust drive and thrust lever manufactured from solid steel
- Finely adjustable feed, adjustable guide wedge and infinitely adjustable depth stop for precise working
- Cross-shaped T-slot to fix a drill vice
- Gutter in base plate to collect coolant and swarf



Order-No. KB 43

Standard specification: DUSS KB 43 drill stand, SW 17 open-end wrench.

Clamping	dia. 43 mm
Stroke	120 mm
Free overhang	140 mm
Distance (adjustable on the column) between drill holder and base plate	0 - 530 mm
Height x Width x Depth	385 x 245 x 325 mm
Weight	14 kg

We can also manufacture different versions of the drill stand on request

4-SPEED ROTARY DRILL

D 38 RLE



4 gears and 2000 W

for drilling into steel, wood and plastic materials or as drive motor

D 38 RLE applications

- Steel and metal structures
- Wooden structures
- Drive motor for a wide range of applications

D 38 RLE features

- Broad speed range thanks to 4-speed gearbox
- Short and compact overall length (approx. 280 mm)
- Trigger lock for continuous use
- Precision tool holder for exact concentricity and high power transmission
- Powerful, robust 2000 W motor with clockwise/anticlockwise rotation
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial in every gear
- Very high torque in 1st gear (> 250 Nm)
- Maintenance-free 4-speed gearbox with lifetime lubrication
- User-friendly positioning of clockwise/anticlockwise selector switch and speed regulator
- Light alloy housing

4
SPEED



Rated power	2000 W
Drilling range in	
steel with drill bit	up to dia. 32 mm
wood with drill bit	up to dia. 130 mm
polypropylene with LS core cutter	up to dia. 600 mm
Rated speed 1st/2nd/3rd/4th gear	120/210/380/650 rpm
Machine weight	8.6 kg
Tool holder	MT 3 morse taper

Order-No. D 38 RLE

Standard specification: DUSS D 38 RLE 4-speed rotary drill, taper drift.

4-SPEED ROTARY DRILL

ACCESSORIES

D 38 RLE



Magnet drill stand for mounting of D 38 RLE 4-speed rotary drill

Rated power	70 W	Spiral drill bit	up to dia. 32 mm
Clamping	dia. 70 mm	Core drill	up to dia. 150 mm
Stroke	290 mm	Positioning device	yes
Cable length	4 m	Swivel range	346°
Socket outlet	up to 16 A	Shift range	+/- 10 mm
Magnetic attraction*	up to 25.000 N	Contact surface	200 x 100 mm
Height	570 mm	Weight	25 kg
Order-No.	MAG80-D38		

* Pull-of method to VDE 0580, tested and minuted



Attachment clutch

for safe and hand-held drilling, maximum operating torque 200 Nm, MT 3 morse taper shank, socket holder with 1/2" square

Order-No. VSKU



Screw handle

for safe and hand-held application

Order-No. D38-SH



MT3/MT2 reduction sleeve

for tools with MT 2 morse taper

Order-No. D 324



MT3/MT1 reduction sleeve

for tools with MT 1 morse taper

Order-No. D 323



MT 3 chuck arbor

for F 13 three-jaw chuck

Order-No. D 322



Three-jaw chuck

clamping range 1 - 13 mm, for adaption of drills with cylindrical shank, screw bits, etc.

Order-No. F 13

ROTARY HAMMER

P 16 SDS



P 16 SDS applications

- Drilling anchor holes, also overhead
- Drilling through-holes up to dia. 24 mm for heating pipes, electrical cables, etc.
- Installing and removing screws
- Interior outfitting, metal and wooden structures
- Installing electrical, plumbing and heating systems

P 16 SDS features

- User-friendly, thanks to light weight
- Safety clutch with gentle starting torque (protects against injuries, overloading and tool breakages)
- Speed and impact force infinitely adjustable with pushbutton switch for gentle drilling with pinpoint accuracy
- Clockwise/anticlockwise selector switch
- Trigger lock, ensuring non-fatiguing continuous operation, such as drilling rows of holes
- Vibration damped percussion mechanism
- Hammer action off-switch for drilling into wood, steel, tiles, etc.
- Rapid tool change
- Robust construction (outside: fibreglass reinforced polyamide; inside: magnesium housing)



Rated power	600 W
Drilling range with drill bit in hard concrete	dia. 5 - 24 mm
Drilling range in steel	up to dia. 13 mm
Drilling performance (dia. 14 mm)	330 mm/min
Single impact energy	0 - 2.2 J
Rated speed	0 - 810 rpm
Impact rate, adjustable	0 - 4400 impacts/min
Machine weight	2.7 kg
Chuck	SDS-plus

Order-No. P 16 SDS

Standard specification: Duss P 16 SDS rotary hammer, side handle, tube of grease, dust cup, depth stop, carrying case for machine and tools.

ROTARY HAMMER

P 26 SDS



P 26 SDS applications

- Drilling anchor holes, also overhead
- Drilling through-holes up to dia. 30 mm for heating pipes, electrical cables, etc.
- Sinking sockets in masonry up to dia. 82 mm
- Facade construction, metal and wooden structures
- Installing electrical, plumbing and heating systems

P 26 SDS features

- Safety clutch with gentle starting torque (protects against injuries, overloading and tool breakages)
- Speed and impact force infinitely adjustable with pushbutton switch for gentle drilling with pinpoint accuracy
- Trigger lock, ensuring non-fatiguing continuous operation, such as drilling rows of holes
- Vibration damped percussion mechanism
- Vibration damping elements
- Hammer action off-switch for drilling into wood, steel, tiles, etc.
- Rapid tool change
- Robust construction (outside: fibreglass reinforced polyamide; inside: magnesium housing)



Rated power	710 W
Drilling range with drill bit in hard concrete	dia. 5 - 30 mm
Drilling range with core bit in hard concrete	dia. 40 - 82 mm
Drilling range in steel	up to dia. 13 mm
Drilling performance (dia. 20 mm)	240 mm/min
Single impact energy	0 - 3.6 J
Rated speed	0 - 700 rpm
Impact rate, adjustable	0 - 3700 impacts/min
Machine weight	3.6 kg
Chuck	SDS-plus

Order-No. P 26 SDS

Standard specification: DUSS P 26 SDS rotary hammer, side handle, tube of grease, dust cup, depth stop, carrying case for machine and tools.

TOOLS · ACCESSORIES

P 16 SDS · P 26 SDS · P 26 C*

①



1 · HP carbide-tipped drill bits				SDS-plus			
Diameter mm	Working length mm	Overall length mm	Order-No.	Diameter mm	Working length mm	Overall length mm	Order-No.
5	50	110	HP 505	10	200	260	HP 1020
5	100	160	HP 510	10	400	460	HP 1040
5.5	50	110	HP 555	11	100	160	HP 1110
6	50	110	HP 605	12	100	160	HP 1210
6	100	160	HP 610	12	150	210	HP 1215
6	150	210	HP 615	12	200	260	HP 1220
7	50	110	HP 705	12	400	460	HP 1240
7	100	160	HP 710	13	200	260	HP 1320
8	100	160	HP 810	14	100	160	HP 1410
8	150	210	HP 815	14	200	260	HP 1420
8	250	310	HP 825	14	400	460	HP 1440
8	400	465	HP 840	15	100	160	HP 1510
9	150	210	HP 915	15	200	260	HP 1520
10	100	160	HP 1010	16	150	210	HP 1615
10	150	210	HP 1015	16	250	310	HP 1625

②



2 · HDP carbide-tipped double spiral drill bits				SDS-plus			
Diameter mm	Working length mm	Overall length mm	Order-No.	Diameter mm	Working length mm	Overall length mm	Order-No.
16	400	450	HDP 1640	22	400	450	HDP 2240
18	200	250	HDP 1820	24	400	450	HDP 2440
18	400	450	HDP 1840	25**	400	450	HDP 2540
20	200	250	HDP 2020	28**	400	450	HDP 2840
20	400	450	HDP 2040	30**	400	450	HDP 3040

** Only suitable for P 26 SDS and P 26 C



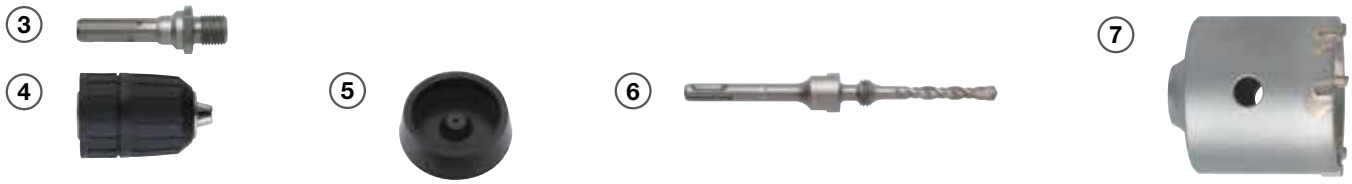
ASG 12 suction cup
for dust-free dry drilling up to
dia. 12 mm
(further information can be
found on page 79)
Order-No. ASG 12



ASG 68 suction cup
for clean drilling up to
dia. 68 mm
(further information can be
found on page 79)
Order-No. ASG 68

* P 26 C can be found on page 24

TOOLS · ACCESSORIES



	SDS-plus
	Order-No.
3 · DP SDS chuck adapter for use with the F 19 keyless chuck for impact-free drilling in wood, steel, etc., overall length 60 mm	DP SDS
4 · F 19 keyless chuck clamping range 1.5 - 13 mm, for wood and steel drill bits, screwing and mixing tools, hole saws, etc.	F 19
5 · SK 17 dust cup	SK 17

P 26 SDS · P 26 C*

	Diameter mm	Overall length mm	Order-No.
6 · DPC adapter for CP core bit with integrated pilot drill bit, SDS-plus	-	175	DPC 1
	-	340	DPC 2
	-	440	DPC 3
7 · CP core bit	40	70	CP 40
	50	70	CP 50
	68	70	CP 68
	82	70	CP 82

P 26 C*



	Blade width mm	Overall length mm	Order-No.
8 · SMP pointed chisel	-	250	SMP 1
9 · FMP narrow flat chisel	20	250	FMP 2
10 · BMP spade chisel	40	250	BMP 3
11 · LMP tile chisel	40	250	LMP 4
12 · HMP hollow chisel	22	250	HMP 5

* P 26 C can be found on page 24

COMBI HAMMERS

TECHNICAL DATA



P 26 C



P 30



P 60 A

Rated power (W)	710	710	1000
Speed and impact force adjustable with S = pushbutton switch, D = adjusting dial	S	S, D	D
Electronic for constant speed control Full load speed = No load speed	-	•	•
Trigger lock for continuous operation	•	•	•
Vibration damping elements between main handle and machine	•	•	•
Drilling range with drill bit (dia. mm)	5 - 30	5 - 35	8 - 55
Drilling range with core bit (dia. mm)	40 - 82	45 - 82	55 - 100
Chiselling performance in hard C45/55 concrete with pointed chisel (kg/h)	approx. 50	approx. 80	approx. 105
Single impact energy (J)	0 - 3.6	0 - 5.7	3.3 - 8.5
Rated speed (rpm)	0 - 700	0 - 390	130 - 250
Impact rate, infinitely adjustable (impacts/min)	0 - 3700	0 - 3000	1670 - 3200
Preselection of speed and impact force	-	•	•
Machine weight (kg)	3.9	4.5	7.2
Chuck	SDS-plus	13 mm hexagon	19 mm hexagon
Page	24	25	28

COMBI HAMMERS



P 90

PX 48 A

PX 76

PX 78

PX 96

1100	920	1050	1500	1300
D	S, D	D	D	D
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
8 - 80	8 - 55	12 - 80	12 - 80	12 - 80
55 - 125	45 - 90	45 - 150	45 - 150	45 - 150
approx. 160	approx. 125	approx. 150	approx. 200	approx. 220
4.3 - 10.5	0 - 7	3.5 - 8.5	4.5 - 10	4.5 - 11
110 - 200	0 - 480	140 - 280	170 - 310	120 - 260
1650 - 2780	0 - 3700	1500 - 3000	1800 - 3370	1500 - 2700
•	•	•	•	•
8.0	5.5	6.7	7.6	8.6
19 mm hexagon	SDS-max	SDS-max	SDS-max	SDS-max
29	33	34	35	36

COMBI HAMMER

P 26 C



P 26 C applications

- Drilling anchor holes
- Drilling through-holes up to dia. 30 mm for heating pipes, electrical cables, etc.
- Sinking sockets in masonry up to dia. 82 mm
- Light chiselling work
- Repair work, also overhead
- Precision chiselling work
- Facade construction, metal and wooden structures
- Installing electrical, plumbing and heating systems

P 26 C features

- Speed and impact force infinitely adjustable with pushbutton switch for gentle drilling with pinpoint accuracy
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)
- Rapid tool change
- Low-wear safety clutch



Rated power	710 W
Drilling range with drill bit	dia. 5 - 30 mm
Drilling range with core bit	dia. 40 - 82 mm
Drilling performance* (dia. 14 mm)	460 mm/min
Drilling performance* (dia. 20 mm)	240 mm/min
Chiselling performance* with pointed chisel	approx. 50 kg/h
Single impact energy	0 - 3.6 J
Rated speed	0 - 700 rpm
Impact rate, adjustable	0 - 3700 impacts/min
Machine weight	3.9 kg
Chuck	SDS-plus

* In hard C45/55 concrete

Order-No. P 26 C

Standard specification: DUSS P 26 C combi hammer, side handle, tube of grease, dust cup, depth stop, carrying case for machine and tools.

COMBI HAMMER

P 30



P 30 applications

- Drilling anchor holes, fastening cladding panels
- Overhead work and drilling rows of holes
- Sinking sockets
- Chasing grooves and slots
- Removing plaster and tiles
- Cleaning up surfaces
- Precision repair work

P 30 features

- Electronic for constant speed control
- Speed and impact force infinitely adjustable with pushbutton switch/adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)
- Rapid tool change
- Low-wear safety clutch



Rated power	710 W
Drilling range with drill bit	dia. 5 - 35 mm
Drilling range with core bit	dia. 45 - 82 mm
Drilling performance* (dia. 22 mm)	180 mm/min
Chiselling performance* with pointed chisel	approx. 80 kg/h
Single impact energy	0 - 5.7 J
Rated speed	0 - 390 rpm
Impact rate, adjustable	0 - 3000 impacts/min
Machine weight	4.5 kg
Chuck	13 mm hexagon

* In hard C45/55 concrete

Order-No. P 30

Standard specification: DUSS P 30 combi hammer, side handle, tube of grease, dust cup, carrying case for machine and tools.

TOOLS · ACCESSORIES

P 30



1 · H carbide-tipped double spiral drill bit with dust sleeve and guard				13 mm hexagon			
Diameter mm	Working length mm	Overall length mm	Order-No.	Diameter mm	Working length mm	Overall length mm	Order-No.
18	260	350	H 2182	24	150	240	H 2241
18	410	500	H 2184	24	260	350	H 2242
18	600	690	H 2186	24	410	500	H 2244
18	800	890	H 2188	25	260	350	H 2252
20	150	240	H 2201	25	410	500	H 2254
20	260	350	H 2202	25	600	690	H 2256
20	410	500	H 2204	26	150	240	H 2261
22	150	240	H 2221	28	260	350	H 2282
22	260	350	H 2222	28	410	500	H 2284
22	410	500	H 2224	30	260	350	H 2302
22	600	690	H 2226	30	410	500	H 2304
22	800	890	H 2228				



2 · H carbide-tipped double spiral drill bit with piercing point with dust sleeve and guard				13 mm hexagon			
Diameter mm	Working length mm	Overall length mm	Order-No.	Diameter mm	Working length mm	Overall length mm	Order-No.
32	260	350	H 2322	35	410	500	H 2354
32	410	500	H 2324	43	450	540	H 2434
35	260	350	H 2352				



DU 2 quick release chuck
for SDS-plus drill bits (can be found on page 20), HR, HRS and HDR carbide-tipped hammer drill bits, with dust sleeve and guard, overall length 170 mm
Order-No. DU 2



SK 17 dust cup
for drilling with SDS-plus drill bits (can be found on page 20), HR, HRS and HDR carbide-tipped hammer drill bits
Order-No. SK 17



ASG 12 suction cup
for dust-free dry drilling up to dia. 12 mm (further information can be found on page 79)
Order-No. ASG 12



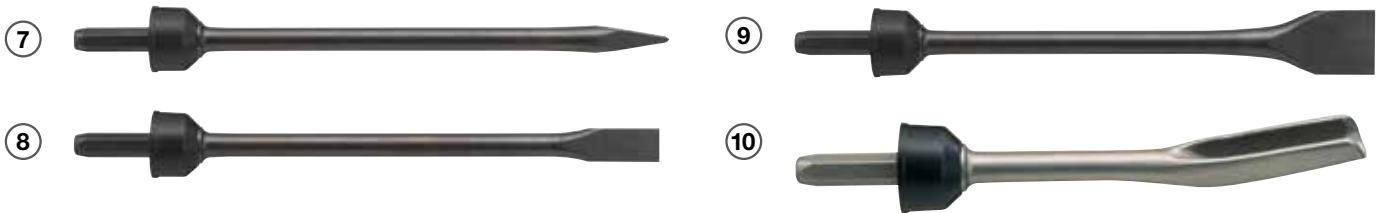
ASG 68 suction cup
for clean drilling up to dia. 68 mm (further information can be found on page 79)
Order-No. ASG 68

TOOLS · ACCESSORIES



13 mm hexagon				
	Diameter mm	Working length mm	Overall length mm	Order-No.
3 · CD core bit with ZX 13 pilot drill bit, with dust sleeve and guard	45	180	300	CD 2401
	45	400	520	CD 2403
	50	180	300	CD 2521
	50	400	520	CS 2523
	68	180	300	CD 2661
	68	400	520	CD 2663
	82	180	300	CD 2801
4 · ZX 13 pilot drill bit for CD core bit	82	400	520	CD 2803
	11	-	135	ZX 13
5 · DF 2 adapter* for F keyless chuck (for impact-free drilling)	-	-	110	DF 2
6 · F keyless chuck clamping range 1.5 - 13 mm, for wood and steel drill bits, screwdriving and mixing tools, hole saws, etc.	-	-	-	F

* With dust sleeve and guard



13 mm hexagon			
	Blade width mm	Overall length mm	Order-No.
7 · SM pointed chisel*	-	340	SM 21
8 · FM narrow flat chisel*	-	500	SM 26
	20	340	FM 22
9 · BM wide flat chisel*	20	500	FM 27
	40	340	BM 23
10 · HM hollow chisel*	50	340	BM 29
	20	250	HM 24

* With dust sleeve and guard



MASH 1 dust extractor
for chiselling and demolition
work (further information
can be found on page 80)
Order-No. MASH 1



VLMA extension
for use of chisels with overall
length of 490 mm to 670 mm
Order-No. VLMA

COMBI HAMMER

P 60 A



P 60 A applications

- Drilling medium-sized holes
- Sinking sockets
- Medium-category chiselling work
- Chasing grooves and slots
- Repair work

P 60 A features

- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when drilling and chiselling downwards
- LED display for optimum service planning
- Consistently high engine output thanks to optimised engine cooling
- Electronic for constant speed control
- Speed and impact force infinitely adjustable with adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch



Rated power	1000 W
Drilling range with drill bit	dia. 8 - 55 mm
Drilling range with core bit	dia. 55 - 100 mm
Drilling performance* (dia. 30 mm)	130 mm/min
Chiselling performance* with pointed chisel	approx. 105 kg/h
Single impact energy	3.3 - 8.5 J
Rated speed	130 - 250 rpm
Impact rate, adjustable	1670 - 3200 impacts/min
Machine weight	7.2 kg
Chuck	19 mm hexagon
Vibration data	drilling/chiselling
Normal setting	8.9/7.3 m/s ²
Compressor setting	8.2/6.8 m/s ²

* In hard C45/55 concrete



Order-No. P 60 A

Standard specification: DUSS P 60 A combi hammer, side handle, auxiliary handle, tube of grease, carrying case for machine and tools.

COMBI HAMMER

P 90



P 90 applications

- Drilling large, deep holes
- Drilling rows of large holes
- Heavy-category chiselling work
- Producing breaches, openings
- Making recesses

P 90 features

- Electronic for constant speed control
- Speed and impact force infinitely adjustable with adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch



Rated power	1100 W
Drilling range with drill bit	dia. 8 - 80 mm
Drilling range with core bit	dia. 55 - 125 mm
Drilling performance* (dia. 35 mm)	120 mm/min
Chiselling performance* with pointed chisel	approx. 160 kg/h
Single impact energy	4.3 - 10.5 J
Rated speed	110 - 200 rpm
Impact rate, adjustable	1650 - 2780 impacts/min
Machine weight	8.0 kg
Chuck	19 mm hexagon

* In hard C45/55 concrete

Order-No. P 90

Standard specification: DUSS P 90 combi hammer, side handle, tube of grease, carrying case for machine and tools.

TOOLS · ACCESSORIES

P 60 A · P 90



1 · H carbide-tipped double spiral drill bit with dust sleeve and guard				19 mm hexagon			
Diameter mm	Working length mm	Overall length mm	Order-No.	Diameter mm	Working length mm	Overall length mm	Order-No.
16	200	380	H 3162	25	600	770	H 3256
16	410	570	H 3164	25	900	1020	H 3259
18	200	380	H 3182	25	1200	1360	H 32512
18	410	570	H 3184	27	410	570	H 3274
18	800	980	H 3188	28	260	420	H 3282
19	410	570	H 3194	28	410	570	H 3284
20	260	420	H 3202	30	100	260	H 3301
20	410	570	H 3204	30	260	420	H 3302
22	260	420	H 3222	30	410	570	H 3304
22	410	570	H 3224	30	600	770	H 3306
22	600	770	H 3226	30	900	1020	H 3309
24	260	420	H 3242	30	1200	1360	H 33012
25	260	420	H 3252	32	260	420	H 3322
25	410	570	H 3254	32	410	570	H 3324



2 · H carbide-tipped double spiral drill bit with piercing points with dust sleeve and guard				3 · H carbide-tipped breakthrough drill bit with piercing points with dust sleeve and guard			
Diameter mm	Working length mm	Overall length mm	Order-No.	Diameter mm	Working length mm	Overall length mm	Order-No.
35	260	420	H 3352	46	500	700	H 3465
35	410	570	H 3354	46	900	1100	H 3469
35	900	1060	H 3359	46	1200	1400	H 34612
35	1200	1360	H 33512	55	500	700	H 3555
40	260	420	H 3402	55	900	1100	H 3559
40	410	570	H 3404	55	1200	1400	H 35512
40	900	1060	H 3409	66*	500	700	H 3665
				66*	900	1100	H 3669
				80*	500	700	H 3805
				80*	900	1100	H 3809

* Only suitable for P 90

TOOLS · ACCESSORIES



19 mm hexagon				
	Diameter	Working length	Overall length	Order-No.
	mm	mm	mm	
4 · CD core bit with ZX 13 pilot drill bit, with dust sleeve and guard	55	185	345	CD 3521
	55	485	645	CD 3525
	68	185	345	CD 3661
	68	485	645	CD 3665
	82	185	345	CD 3801
	82	485	645	CD 3805
	90	185	345	CD 3901
	90	485	645	CD 3905
	100	185	345	CD 31041
	100	485	645	CD 31045
5 · ZX 13 pilot drill bit for CD core bit	125*	185	345	CD 31291
	125*	485	645	CD 31295
	11	-	135	ZX 13

* Only suitable for P 90



DU 3 quick release chuck

for SDS-plus drill bits (can be found on page 20), HR, HRS and HDR carbide-tipped hammer drill bits, with dust sleeve and guard, overall length 230 mm, only suitable for P 60 A

Order-No. DU 3



SK 17 dust cup

for drilling with SDS-plus drill bits (can be found on page 20), HR, HRS and HDR carbide-tipped hammer drill bits

Order-No. SK 17



ASG 68 suction cup

for clean drilling up to dia. 68 mm
(further information can be found on page 79)

Order-No. ASG 68

TOOLS · ACCESSORIES

P 60 A · P 90



	19 mm hexagon			
	Blade width mm	Working length mm	Overall length mm	Order-No.
6 · SM pointed chisel*	-	140	340	SM 322
	-	260	420	SM 342
	-	400	560	SM 356
7 · FM narrow flat chisel*	26	140	340	FM 324
	26	260	420	FM 344
	26	400	560	FM 358
8 · BM wide flat chisel*	40	260	420	BM 346
	50	260	420	BM 348
9 · SP spade chisel*	100	270	430	SP 306
10 · HM hollow chisel*	25	-	310	HM 351

* With dust sleeve and guard



MASH 2 dust extractor
for chiselling and demolition
work (further information
can be found on page 80)
Order-No. MASH 2



VLMA extension
for use of chisels with overall
length of 490 mm to 670 mm
Order-No. VLMA

COMBI HAMMER

PX 48 A



PX 48 A applications

- Drilling anchor holes, fastening cladding panels
- Overhead work and drilling rows of holes
- Sinking sockets
- Removing plaster and tiles
- Cleaning up surfaces
- Chasing grooves and slots
- Precision repair work

PX 48 A features

- Outstanding drilling and chiselling performance
- Active vibration damping (RVA), ensuring comfortable continuous use
- Exceptionally light weight and low vibration
- Electronic for constant speed control
- Speed and impact force infinitely adjustable with pushbutton switch/adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch



Rated power	920 W
Drilling range with drill bit	dia. 8 - 55 mm
Drilling range with core bit	dia. 45 - 90 mm
Drilling performance* (dia. 25 mm)	270 mm/min
Chiselling performance* with pointed chisel	approx. 125 kg/h
Single impact energy	0 - 7 J
Rated speed	0 - 480 rpm
Impact rate, adjustable	0 - 3700 impacts/min
Machine weight	5.5 kg
Chuck	SDS-max
Vibration data	drilling/chiselling
Normal setting	6.8/5.5 m/s ²

* In hard C45/55 concrete



Order-No. PX 48 A

Standard specification: DUSS PX 48 A combi hammer, side handle, tube of grease, carrying case for machine and tools.

COMBI HAMMER

PX 76



PX 76 applications

- Drilling medium-sized holes
- Drilling through-holes
- Sinking sockets
- Medium-category chiselling work
- Chasing grooves and slots
- Repair work

PX 76 features

- Electronic for constant speed control
- Speed and impact force infinitely adjustable with adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch



Rated power	1050 W
Drilling range with drill bit	dia. 12 - 80 mm
Drilling range with core bit	dia. 45 - 150 mm
Drilling performance* (dia. 35 mm)	120 mm/min
Chiselling performance* with pointed chisel	approx. 150 kg/h
Single impact energy	3.5 - 8.5 J
Rated speed	140 - 280 rpm
Impact rate, adjustable	1500 - 3000 impacts/min
Machine weight	6.7 kg
Chuck	SDS-max

* In hard C45/55 concrete

Order-No. PX 76

Standard specification: DUSS PX 76 combi hammer, side handle, tube of grease, carrying case for machine and tools.

COMBI HAMMER

PX 78



PX 78 applications

- Drilling medium-sized holes
- Drilling through-holes
- Sinking sockets
- Medium-category chiselling work
- Chasing grooves and slots
- Repair work



PX 78 features

- Outstanding drilling and chiselling performance
- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when drilling and chiselling downwards
- LED display for optimum service planning
- Consistently high engine output thanks to optimised engine cooling
- Electronic for constant speed control
- Speed and impact force infinitely adjustable with adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch



Rated power	1500 W
Drilling range with drill bit	dia. 12 - 80 mm
Drilling range with core bit	dia. 45 - 150 mm
Drilling performance* (dia. 35 mm)	160 mm/min
Chiselling performance* with pointed chisel	approx. 200 kg/h
Single impact energy	4.5 - 10 J
Rated speed	170 - 310 rpm
Impact rate, adjustable	1800 - 3370 impacts/min
Machine weight	7.6 kg
Chuck	SDS-max
Vibration data	drilling/chiselling
Normal setting	9.8/6.8 m/s ²
Compressor setting	8.2/6.3 m/s ²

* In hard C45/55 concrete



Order-No. PX 78

Standard specification: Duss PX 78 combi hammer, side handle, auxiliary handle, tube of grease, carrying case for machine and tools.

COMBI HAMMER

PX 96



PX 96 applications

- Drilling large, deep holes
- Drilling rows of medium-sized holes
- Heavy-category chiselling work
- Producing breaches and openings
- Making recesses

PX 96 features

- Electronic for constant speed control
- Speed and impact force infinitely adjustable with adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch



Rated power	1300 W
Drilling range with drill bit	dia. 12 - 80 mm
Drilling range with core bit	dia. 45 - 150 mm
Drilling performance* (dia. 35 mm)	155 mm/min
Chiselling performance* with pointed chisel	approx. 220 kg/h
Single impact energy	4.5 - 11 J
Rated speed	120 - 260 rpm
Impact rate, adjustable	1500 - 2700 impacts/min
Machine weight	8.6 kg
Chuck	SDS-max

* In hard C45/55 concrete

Order-No. PX 96

Standard specification: DUSS PX 96 combi hammer, side handle, tube of grease, carrying case for machine and tools.

COMBI HAMMERS

TOOLS · ACCESSORIES

PX 48 A · PX 76 · PX 78 · PX 96



1 · HX hammer drill bit				SDS-max			
Diameter mm	Working length mm	Overall length mm	Order-No.	Diameter mm	Working length mm	Overall length mm	Order-No.
12	200	340	HX 122	24	200	320	HX 242
12	400	540	HX 124	24	400	520	HX 244
12	600	690	HX 125	25	200	320	HX 252
14	200	340	HX 142	25	400	520	HX 254
14	400	540	HX 144	25	800	920	HX 258
15	200	340	HX 152	28	200	370	HX 282
15	400	540	HX 154	28	400	570	HX 284
16	200	340	HX 162	30	250	370	HX 302
16	400	540	HX 164	30	400	570	HX 304
18	200	340	HX 182	32	200	370	HX 322
18	400	540	HX 184	32	400	570	HX 324
20	200	320	HX 202	32	800	920	HX 328
20	400	520	HX 204	35	400	570	HX 354
20	800	920	HX 208	40	400	570	HX 404
22	200	320	HX 222				
22	400	520	HX 224				
22	800	920	HX 228				



2 · HX breakthrough drill bit				SDS-max			
Diameter mm	Working length mm	Overall length mm	Order-No.	Diameter mm	Working length mm	Overall length mm	Order-No.
46	500	620	HX 465	66*	500	620	HX 665
46	900	1020	HX 469	66*	900	1020	HX 669
55	500	620	HX 555	80*	500	620	HX 805
55	900	1020	HX 559	80*	900	1020	HX 809

* Only suitable for PX 76, PX 78 and PX 96



DX SDS quick release chuck

for SDS-plus drill bits (can be found on page 20),
overall length 220 mm, only suitable for PX 48 A

Order-No. DX SDS

TOOLS · ACCESSORIES

PX 48 A · PX 76 · PX 78 · PX 96



	Diameter mm	Overall length mm	SDS-max Order-No.
3 · DXC adapter for CX core bit	-	200	DXC 2
	-	460	DXC 4
4 · CX core bit with ZX 13 pilot drill bit	45	80	CX 45
	50	80	CX 50
	55	80	CX 55
	68	80	CX 68
	82	80	CX 82
	90	80	CX 90
	100*	80	CX 100
	125*	80	CX 125
	150*	80	CX 150
5 · ZX 13 pilot drill bit including locking pen	11	135	ZX 13
6 · DXF adapter for F 19 keyless chuck (for impact-free drilling)	-	105	DXF
7 · F 19 keyless chuck clamping capacity 1.5 - 13 mm, for wood and steel drill bits, screwdriving and mixing tools, hole saws, etc.	-	-	F 19

* Only suitable for PX 76, PX 78 and PX 96



ASG 68 suction cup

for clean drilling up to dia. 68 mm
(further information can be found
on page 79)

Order-No. ASG 68



MASH 2 dust extractor

for chiselling and demolition work
(further information can be
found on page 80)

Order-No. MASH 2



VLMA extension

for use of chisels with overall
length of 490 mm to 670 mm

Order-No. VLMA

PX 48 A · PX 76 · PX 78 · PX 96 · PKX 4 A · PKX 7



	Blade width mm	Overall length mm	SDS-max Order-No.
8 · SMX pointed chisel	-	280	SMX 2
	-	400	SMX 4
	-	600	SMX 6
9 · FMX narrow flat chisel	25	280	FMX 2
	25	400	FMX 4
	25	600	FMX 6
10 · SPX spade chisel	50	400	SPX 5
	80	300	SPX 8
	110	350	SPX 9
11 · HMX hollow chisel	26	300	HMX 3
12 · KMX gouge	32	300	KMX 4
13 · LMX tile chisel	50	400	LMX 1
14 · STX bushing tool	40 x 40	300	STX 7

PKX 4 A · PKX 7



MASP dust extractor

for chiselling and demolition work
(further information can be found
on page 80)

Order-No. MASP

BREAKERS AND DEMOLITION HAMMERS

TECHNICAL DATA



PKX 4 A

PKX 7

PK 35

PK 45 · PK 45 A

Rated power (W)	820	1150	680	710
Impact rate and impact force adjustable with S = pushbutton switch, D = adjusting dial	S, D	D	S	S, D
Electronic for constant impact rate control Full load impact rate = No load impact rate	•	•	-	•
Trigger lock for continuous operation	•	•	•	•
Vibration damping elements between main handle and machine	•	•	•	•
Chiselling performance in hard C45/55 concrete with pointed chisel (kg/h)	approx. 135	approx. 280	approx. 90	approx. 100
Single impact energy (J)	0 - 8.4	5 - 10.5	0 - 5.3	0 - 6.4
Impact rate, infinitely adjustable (impacts/min)	0 - 3200	1500 - 2900	0 - 3400	0 - 3000
Machine weight (kg)	5.4	7.3	3.7	4.5 / 4.9
Chuck	SDS-max	SDS-max	16 mm hexagon	16 mm hexagon
Page	42	43	44	45

BREAKERS AND DEMOLITION HAMMERS



PK 75 · PK 75 A



PK 160 A



PK 300 A



PK 600

1050 / 1150	1300	1700	2000
D	D	D	D
•	•	•	•
•	•	•	•
•	•	•	•
approx. 260 / approx. 280	approx. 475	approx. 730	approx. 1220
5 - 9.5 / 5 - 10.5	10 - 18	14 - 27	18 - 41
1500 - 2900	1200 - 2200	1000 - 1900	850 - 1500
6.2 / 6.6	9.8	13.6	17.4
16 mm hexagon	22 mm hexagon	22 mm hexagon	22 mm hexagon
46	48	49	50

BREAKER

PKX 4 A



PKX 4 A applications

- Removing plaster and tiles
- Chasing grooves and slots
- Chiselling work
- Cleaning up surfaces
- Producing breaches and openings
- Precision repair work

PKX 4 A features

- Active vibration damping (RVA), ensuring comfortable continuous use
- Vibration damped D-handle
- Pneumatic impact mechanism designed for optimum efficiency
- Trigger lock, ensuring non-fatiguing work
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with pushbutton switch/adjusting dial
- Chisel can be positioned in twenty ways
- Maintenance-free (with lifetime lubrication)



Rated power	820 W
Chiselling performance* with pointed chisel	approx. 135 kg/h
Single impact energy	0 - 8.4 J
Impact rate, adjustable	0 - 3200 impacts/min
Machine weight	5.4 kg
Chuck	SDS-max
Vibration data	chiselling
Normal setting	7.3 m/s ²

* In hard C45/55 concrete

Order-No. PKX 4 A

Standard specification: Duss PKX 4 A breaker, D-handle, tube of grease, carrying case for machine and tools.

BREAKER

PKX 7



PKX 7 applications

- Removing plaster and tiles
- Chasing grooves and slots
- Chiselling work
- Cleaning up surfaces
- Producing breaches and openings
- Precision repair work

PKX 7 features

- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when chiselling downwards
- Vibration damped D-handle
- LED display for optimum service planning
- Consistently high engine output thanks to optimised engine cooling
- Pneumatic impact mechanism designed for optimum efficiency
- Trigger lock, ensuring non-fatiguing work
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with adjusting dial
- Chisel can be positioned in twenty ways
- Maintenance-free (with lifetime lubrication)



Rated power	1150 W
Chiselling performance* with pointed chisel	approx. 280 kg/h
Single impact energy	5 - 10.5 J
Impact rate, adjustable	1500 - 2900 impacts/min
Machine weight	7.3 kg
Chuck	SDS-max
Vibration data	chiselling
Normal setting	6.7 m/s ²
Compressor setting	4.7 m/s ²

* In hard C45/55 concrete



Order-No. PKX 7

Standard specification: Duss PKX 7 breaker, D-handle, auxiliary handle, tube of grease, carrying case for machine and tools.

BREAKER

PK 35



PK 35 applications

- Overhead work
- Removing plaster and tiles
- Chasing grooves and slots
- Cleaning up surfaces
- Precision repair work
- Exposing steel reinforcing bars

PK 35 features

- Excellent weight/performance ratio
- Trigger lock, ensuring non-fatiguing work
- Impact rate and impact force infinitely adjustable with pushbutton switch
- Robust, 16 mm hexagon chuck for prolonged service life
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)



Rated power	680 W
Chiselling performance* with pointed chisel	approx. 90 kg/h
Single impact energy	0 - 5.3 J
Impact rate, adjustable	0 - 3400 impacts/min
Machine weight	3.7 kg
Chuck	16 mm hexagon

* In hard C45/55 concrete

Order-No. PK 35

Standard specification: Duss PK 35 breaker, side handle, tube of grease, carrying case for machine and tools.

BREAKERS

PK 45 · PK 45 A



PK 45 · PK 45 A applications

- Removing plaster and tiles
- Chasing grooves and slots
- Chiselling work
- Cleaning up surfaces
- Producing breaches and openings
- Precision repair work

PK 45 · PK 45 A features

- Pneumatic impact mechanism designed for optimum efficiency
- Trigger lock, ensuring non-fatiguing work
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with pushbutton switch/adjusting dial
- Robust, 16 mm hexagon chuck for prolonged service life
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)

PK 45 A additional features

- Active vibration damping (RVA), ensuring comfortable continuous use



	PK 45	PK 45 A
Rated power	710 W	710 W
Chiselling performance*	approx. 100 kg/h	approx. 100 kg/h
Single impact energy	0 - 6.4 J	0 - 6.4 J
Impact rate, adjustable	0 - 3000 impacts/min	0 - 3000 impacts/min
Machine weight	4.5 kg	4.9 kg
Chuck	16 mm hexagon	16 mm hexagon
Vibration data PK 45 A		chiselling
Normal setting		6.8 m/s ²

* In hard C45/55 concrete with pointed chisel

Order-No. PK 45 · PK 45 A

Standard specification: Duss PK 45 · PK 45 A breaker, side handle, tube of grease, carrying case for machine and tools.

BREAKERS

PK 75 · PK 75 A



PK 75 · PK 75 A applications

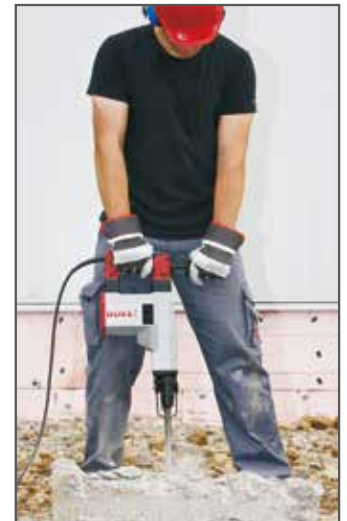
- Removing plaster and tiles
- Chasing grooves and slots
- Chiselling work
- Cleaning up surfaces
- Producing breaches and openings
- Precision repair work

PK 75 · PK 75 A features

- Pneumatic impact mechanism designed for optimum efficiency
- Trigger lock, ensuring non-fatiguing work
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with adjusting dial
- Robust, 16 mm hexagon chuck for prolonged service life
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)

PK 75 A additional features

- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when chiselling downwards
- LED display for optimum service planning
- Consistently high engine output thanks to optimised engine cooling



	PK 75	PK 75 A
Rated power	1050 W	1150 W
Chiselling performance*	approx. 260 kg/h	approx. 280 kg/h
Single impact energy	5 - 9.5 J	5 - 10.5 J
Impact rate, adjustable	1500 - 2900 impacts/min	1500 - 2900 impacts/min
Machine weight	6.2 kg	6.6 kg
Chuck	16 mm hexagon	16 mm hexagon
Vibration data PK 75 A		chiselling
Normal setting		7.1 m/s ²
Compressor setting		6.8 m/s ²

* In hard C45/55 concrete with pointed chisel

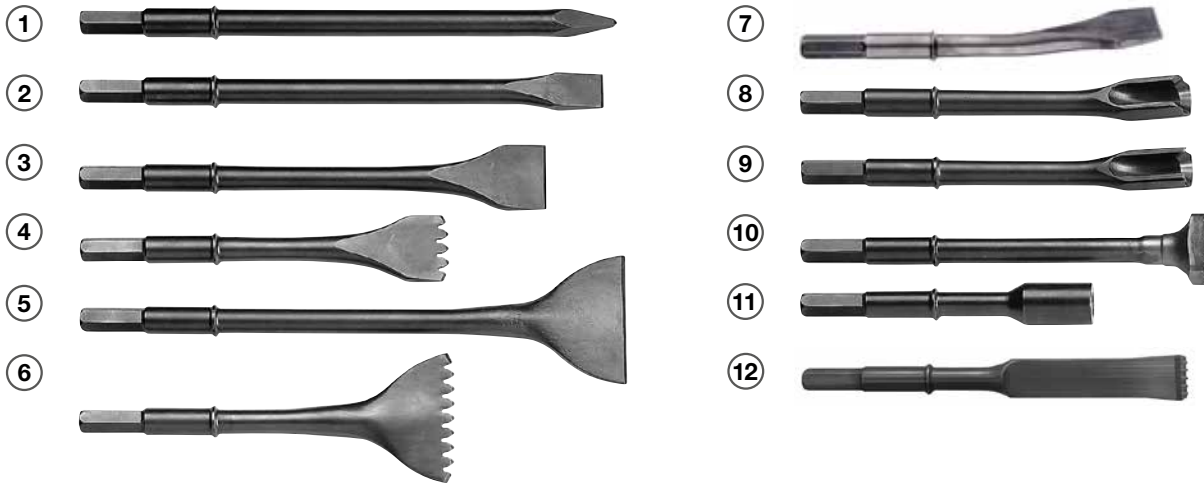
Order-No. PK 75 · PK 75 A

Standard specification: DUSS PK 75 · PK 75 A breaker, side handle, auxiliary handle (only with PK 75 A), tube of grease, carrying case for machine and tools.

BREAKERS

TOOLS · ACCESSORIES

PK 35 · PK 45 · PK 45 A · PK 75 · PK 75 A



16 mm hexagon			
	Blade with mm	Overall length mm	Order-No.
1 · SM pointed chisel	-	290	SM 421
	-	400	SM 401
	-	600	SM 402
2 · FM narrow flat chisel	25	290	FM 423
	25	400	FM 403
	25	600	FM 404
3 · BM wide flat chisel	50	240	BM 425
	50	350	BM 405
	75	380	BM 408
4 · BZ wide flat chisel, serrated edge*	50	290	BZ 413
5 · SP spade chisel	100	410	SP 406
6 · SZ spade chisel, serrated edge*	100	290	SZ 414
7 · LM tile chisel	50	270	LM 415
8 · HM hollow chisel	25	290	HM 407
	35	290	HM 408
9 · KM gouge	25	290	KM 409
	35	290	KM 410
10 · ST bushing tool	40 x 40	290	ST 411
11 · ES ground rod driver	16 (internal dia.)	250	ES 412
12 · FZ mortar chisel**	36 x 7	230	FZ 423
	36 x 7	300	FZ 430

* Suitable for working on tiles, plaster and masonry ** Only suitable for PK 35, PK 45 and PK 45 A



MASH 1 dust extractor
for chiselling and demolition
work (further information
can be found on page 80)
Order-No. MASH 1



VLMA extension
for use of chisels with overall
length of 490 mm to 670 mm
Order-No. VLMA

DEMOLITION HAMMER

PK 160 A



PK 160 A applications

- Demolition work
- Producing breaches and openings
- Chiselling work
- Cleaning up surfaces

PK 160 A features

- Replaces a pneumatic breaker in many cases
- High demolition performance, light weight and balanced weight distribution
- Trigger lock for continuous operation, ensuring non-fatiguing work
- Perfectly harmonised percussion mechanism for precise work and highest reliability
- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when chiselling downwards
- Vibration damped D-handle
- LED display for optimum service planning
- Compact, robust design with aluminium and magnesium housings
- Automatic chuck with integral no-load impact damping
- Dust guard for prolonged service life
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with adjusting dial
- Robust, 22 mm hexagon chuck for extra-long service life
- Maintenance-free (with lifetime lubrication)



Rated power	1300 W
Chiselling performance* with pointed chisel	approx. 475 kg/h
Single impact energy	10 - 18 J
Impact rate, adjustable	1200 - 2200 impacts/min
Machine weight	9.8 kg
Chuck	22 mm hexagon
Vibration data	chiselling
Normal setting	8.7 m/s ²
Compressor setting	7.7 m/s ²

* In hard C45/55 concrete



Order-No. PK 160 A

Standard specification: Duss PK 160 A demolition hammer, D-handle, auxiliary handle, tube of grease, carrying case for machine and tools.

DEMOLITION HAMMER

PK 300 A



PK 300 A applications

- Demolition work
- Producing breaches and openings
- Cleaning up surfaces
- Renovation of floors, breaking up floors and creating large channels in floors

PK 300 A features

- Replaces a pneumatic breaker in many cases
- Very high demolition performance, light weight and balanced weight distribution
- Trigger lock for continuous operation, ensuring non-fatiguing work
- Perfectly harmonised percussion mechanism for precise work and highest reliability
- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when chiselling downwards
- Vibration damped D-handle
- LED display for optimum service planning
- Compact, robust design with aluminium and magnesium housings
- Automatic chuck with integral no-load impact damping
- Dust guard for prolonged service life
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with adjusting dial
- Robust, 22 mm hexagon chuck for extra-long service life
- Maintenance-free (with lifetime lubrication)



Rated power	1700 W
Chiselling performance* with pointed chisel	approx. 730 kg/h
Single impact energy	14 - 27 J
Impact rate, adjustable	1000 - 1900 impacts/min
Machine weight	13.6 kg
Chuck	22 mm hexagon
Vibration data	chiselling
Normal setting	9.1 m/s ²
Compressor setting	9.6 m/s ²

* In hard C45/55 concrete

Order-No. PK 300 A

Standard specification: Duss PK 300 A demolition hammer, D-handle, auxiliary handle, tube of grease, carrying case for machine and tools.

DEMOLITION HAMMER

PK 600



PK 600 applications

- Heavy demolition work
- Producing breaches and openings
- Cleaning up surfaces
- Renovation of floors, breaking up floors and creating large channels in floors

PK 600 features

- Replaces a pneumatic breaker in many cases
- Extremely high demolition performance, light weight and balanced weight distribution
- Trigger lock for continuous operation, ensuring non-fatiguing work
- Perfectly harmonised percussion mechanism for precise work and highest reliability
- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when chiselling downwards
- Vibration damped D-handle
- LED display for optimum service planning
- Compact, robust design with aluminium and magnesium housings
- Automatic chuck with integral no-load impact damping
- Dust guard for prolonged service life
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with adjusting dial
- Robust, 22 mm hexagon chuck for extra-long service life
- Maintenance-free (with lifetime lubrication)
- Carrying case with wheels for simple and comfortable transport



Rated power	2000 W
Chiselling performance* with pointed chisel	approx. 1220 kg/h
Single impact energy	18 - 41 J
Impact rate, adjustable	850 - 1500 impacts/min
Machine weight	17.4 kg
Chuck	22 mm hexagon
Vibration data	chiselling
Normal setting	14.8 m/s ²
Compressor setting	9.2 m/s ²

* In hard C45/55 concrete



Order-No. PK 600

Standard specification: DUSS PK 600 demolition hammer, D-handle, auxiliary handle, tube of grease, carrying case with wheels for machine and tools.

DEMOLITION HAMMERS

TOOLS · ACCESSORIES

PK 160 A · PK 300 A · PK 600



	22 mm hexagon		
	Blade width mm	Overall length mm	Order-No.
1 · SM pointed chisel	-	400	SM 620
	-	500	SM 610
	-	650	SM 611
2 · FM flat chisel	28	400	FM 622
	28	500	FM 612
	28	650	FM 613
3 · BM wide flat chisel	50	500	BM 614
4 · SP spade chisel	120	500	SP 615
5 · DO shank for SA and SR tamping plates	-	480	DO 630
6 · SA tamping plate, square	150 x 150	-	SA 631
7 · SR tamping plate, round	140 (external dia.)	-	SR 632
8 · EE tent stake driver*	60 (internal dia.)	200	EE 633
9 · ES ground rod driver	16 (internal dia.)	185	ES 634

* Only suitable for PK 600



MASP dust extractor

for chiselling and demolition work
(further information can be found on page 80)

Order-No. MASP

DIAMOND CORE DRILLS

PREMIUM CHOICE FOR 100% FLEXIBILITY

The construction industry demands greater flexibility and economy than practically any other sector. This applies to both civil and structural engineering, as well as to interior fittings and to electrical, heating and plumbing installations.

Builders and craftsmen require machines which allow them to respond with the utmost flexibility and speed to different asks and technical circumstances occurring on site. Our diamond core drills provide construction industry professionals with a meticulously designed and engineered system. A range of different diamond core drills and an extensive, carefully considered spectrum of different accessories mean that every conceivable application need is catered for.



Wet drilling in concrete, with BS drill stand



Electrical socket sinking in concrete – wet, hand-held



Clean wet drilling in concrete with DUSS suction cup, hand-held



Dry drilling in masonry with dust extraction, hand-held



Wet drilling in a concrete shaft, hand-held



Wet drilling in a concrete pipe, with BST drill stand



Dry drilling in a plastic pipe, hand-held



Drilling in wood with dust extraction, hand-held

DIAMOND CORE DRILLS

INSPIRING TECHNOLOGY

A quality product is more than the sum of its technical data. It has to enthuse and inspire with a range of outstanding features. No matter which DUSS machine – anyone familiar with the performance, quality and efficiency of a DUSS knows what it means to enjoy working with a power tool on a daily basis.

Convenient handling

Thanks to the low weight, compact angular design and ergonomic handle arrangement, DUSS diamond core drills are ideally suited for manually guided drilling operations, also in confined spaces.



Anti-lockup system

A robust safety clutch, rotating in an oil bath with gentle starting torque, not only ensures complete safety for hand-held drilling but also protects the mechanical components of the drill.



Core bits changed in seconds

With the quick release system, core bits can be changed and drill cores removed rapidly and easily.

Long service life

Our machines are renowned for their long service life, which is the result of their stable dust-proof encapsulated gear, perfect maintenance-free oil bath lubrication, durable drive motor and high torque.



Electronic overload protection

If the drill becomes overloaded, the motor switches off. After it has been switched on again, work can be resumed immediately.

Straightforward centring

The integrated soft start permits reliable hole starting. With the use of a DUSS quick centring bit, drilling can be started in seconds, no pilot hole is necessary.

Precision metering for wet drilling

A practical water metering valve allows a precise preselection and constant control of the needed water amount and controls the flow rate, independently of the stopcock, even while drilling is taking place.



High performance motor

The powerful, reliable drive motors are designed for the even toughest continuous use. Their electronic for constant speed control ensures the optimum drilling speed no matter what the situation.

DIAMOND CORE DRILLS FOR DRY DRILLING

TECHNICAL DATA



DIA 80



DIA 200

Rated power (W)	1700	1700
Applications	Installing electrical systems, electrical socket sinking	Plumbing, heating, air conditioning systems
Surfaces	Masonry, brick, sand-lime brick	Masonry, brick, ceramics, sand-lime brick
Speed infinitely adjustable	•	•
Electronic for constant speed control Full load speed = No load speed	•	•
Electronic overload protection	•	•
Anti-lockup system	•	•
Chuck	Quick release system (DIA 80 Set) M16 (DIA 80 M16)	G 1/2"
Pilot drilling	Integrated automatic centring system	Quick centring bit*
Drilling range, hand-held, dry, with dust extraction in masonry (dia. mm)	68, 72, 82	82 - 250
Rated speed (rpm)	650 - 1100	380 - 490
Machine weight (kg)	5.1	5.0
Machine length (cm)	40	40
Page	56	58

* Accessory (can be found on page 67)

DIAMOND CORE DRILLS, DRY DRILLING



DIA 300



DIA 303

1700	2000
Building chimneys and fireplaces, furnace construction	Plumbing, heating, air conditioning systems, container and wood construction, building chimneys, furnace construction
Masonry, brick, ceramics, sand-lime brick	Wood, plastic materials, masonry, brick, ceramics, sand-lime brick
•	•
•	•
•	•
•	•
G 1/2"	G 1/2"
Quick centring bit*	Quick centring bit*
127 - 300	52 - 300
230 - 320	360/680/1270
5.0	6.2
40	39
58	59

DIAMOND CORE DRILL, DRY DRILLING

DIA 80



DIA 80 applications

- Installing electrical systems

DIA 80 features

- High drilling speed thanks to powerful and reliable drive motor with constant electronic speed control for optimum cutting speed in any situation
- Automatic centering permits electrical socket sinking without interruption (pictured bottom right)
- Prolonged core bit service life and dust-free working through effective dust extraction with steplessly positionable suction hose
- Very simple removal of drill cores (pictured bottom left)*
- Quick release system permits tool changes in seconds*
- Reliable safety clutch with anti-lockup system protects the user from injury, the motor from being overloaded and tools from being broken
- Speed infinitely adjustable with adjusting dial
- Electronic overload protection and soft start
- Convenient handling thanks to compact angular design, light weight and optimum weight distribution
- Use of drill bits, screwdriving and mixing tools, hole saws, etc. with optional keyless chuck*

* Only suitable for DIA 80 Set



Rated power	1700 W
Drilling range, hand-held, dry	dia. 68, 72, 82 mm
Rated speed	650 - 1100 rpm
Machine weight	5.1 kg
Chuck	Quick release system (DIA 80 Set) M16 external (DIA 80 M16)

Order-No. DIA 80 Set Standard specification: DUSS DIA 80 diamond core drill **with DUSS quick release system**, side handle, DS 82 diamond socket cutter, automatic centring system, SK 61 suction head, carrying case.

Order-No. DIA 80 M16 Standard specification: DUSS DIA 80 diamond core drill **with M16 external thread**, side handle, automatic centring system, SK 76 suction head, carrying case.

DIAMOND CORE DRILL, DRY DRILLING

TOOLS · ACCESSORIES

DIA 80 Set



		Quick release system	
		Diameter mm	Order-No.
1 · Diamond socket cutter for sand-lime brick, masonry, perforated brick, lightweight building materials		68	DS 68
		72	DS 72
		82	DS 82
2 · Diamond socket cutter with PCD tips up to 7 times higher drilling speed for sand-lime brick, masonry, perforated brick, lightweight building materials		68	DZ 68S
		82	DZ 82S
3 · Diamond socket cutter with prolonged service life, for sand-lime brick, masonry, perforated brick, lightweight building materials		82	DSA 82



Keyless chuck
clamping range 1.5 - 13 mm,
for wood and steel drill bits
screwing and mixing tools,
hole saws etc.
Order-No. F 19



Chuck adapter
for F 19 keyless chuck and
other chucks with
1/2" - 20 UNF thread
Order-No. DSF



Adapter
for diamond socket cutter
with M16 internal thread
Order-No. DSA M16

DIA 80 M16



		M16 internal	
		Diameter mm	Order-No.
4 · Diamond socket cutter for sand-lime brick, masonry, perforated brick, lightweight building materials		82	DSM 82

DIAMOND CORE DRILLS, DRY DRILLING

DIA 200 · DIA 300



DIA 200 · DIA 300 applications

- Installing plumbing, heating and air conditioning systems
- Building chimneys, fireplaces and furnaces
- Installing fitted kitchens and bathrooms

DIA 200 · DIA 300 features

- Easy and simple to use
- Hand-held, dust-free drilling
- Compact and particularly light
- Rapid centring
- Quick release system for rapid core bit change and drill core removal
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial
- Convenient drilling supported by suction effect
- Electronic overload protection and soft start
- Safety clutch with anti-lockup system



	DIA 200	DIA 300
Rated power	1700 W	1700 W
Drilling range, hand-held, dry	dia. 82 - 250 mm	dia. 127 - 300 mm
Rated speed	380 - 490 rpm	230 - 320 rpm
Machine weight	5.0 kg	5.0 kg
Chuck	G 1/2"	G 1/2"

Order-No. DIA 200 · DIA 300

Standard specification: DUSS DIA 200 · DIA 300 diamond core drill, side handle, ZST centring rod, SK 61 suction head, SW 22 and SW 30 open-end wrenches, carrying case.

DIAMOND CORE DRILL, DRY DRILLING

DIA 303



DIA 303 applications

Wood

- Stand mounted or hand-held drilling into massive wood and panels, e.g. OSB and particle boards
- Drilling with wood drill bits, auger bits and formwork drill bits
- Counter bores with big counter sinking tools and Forstner bits

Plastic materials

- Stand mounted or hand-held drilling in plastic, e.g. sewer pipes and plastic containers made of PVC, PE, PP and GRP

Masonry and chimney pipes

- Dry diamond core drilling in masonry, e.g. poroton, aerated concrete and sand-lime brick
- Drilling in chimney pipes and ceramic flue liners

DIA 303 features

- Enormous drilling range, hand-held, dia. 40 - 322 mm
- Screw-in auxiliary handle for non-fatiguing, back-saving posture when drilling downwards
- LED display for performance monitoring and service planning
- Time-saving positioning with quick centring bit
- Quick release system for rapid core bit change and core cutter change
- Safety clutch with anti-lockup system
- Ultra-efficient dust extraction during dry drilling and during drilling with wood core cutter
- Rapid changeover from hand-held to stand mounted drilling
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial
- Electronic overload protection and soft start

③
SPEED



Rated power	2000 W
Drilling range with	
diamond core bit, hand-held, dry	dia. 52 - 300 mm
LS core cutter in plastic, hand-held	dia. 40 - 322 mm
LS core cutter in plastic, with BS drill stand	dia. 40 - 202 mm
LS core cutter in plastic, with BST drill stand	dia. 40 - 257 mm
LB wood core cutter, hand-held	dia. 42 - 322 mm
LB wood core cutter, with BS drill stand	dia. 42 - 202 mm
LB wood core cutter, with BST drill stand	dia. 42 - 182 mm
Rated speed 1st/2nd/3rd gear	360/680/1270 rpm
Machine weight	6.2 kg
Chuck	G 1/2"

Order-No. DIA 303

Standard specification: DUSS DIA 303 diamond core drill, side handle, auxiliary handle, ZST centring rod, SK 61 suction head, SW 22 and SW 30 open-end wrenches, teflon spray, carrying case.

DIAMOND CORE DRILLS FOR WET AND DRY DRILLING

TECHNICAL DATA



DIA 50 W*



DIA 100 W · DIA 150 W

Rated power (W)	1800	1800
Applications	Drilling holes with pinpoint accuracy for plumbing, heating, air conditioning systems, fastening wall claddings, stone-masonry work, constructing balconies and staircases	Installing electrical systems, plumbing, heating, air conditioning systems
Surfaces	Reinforced concrete, marble, natural stone, tiles	Reinforced concrete, masonry
Speed infinitely adjustable	•	•
Electronic for constant speed control Full load speed = No load speed	•	•
Electronic overload protection	•	•
Anti-lockup system	•	•
Chuck	Quick release system	G 1/2"
Start of drilling	Positioning aid including water collecting ring	Quick centring bit**
Preselection of water flow rate	•	•
Water-saving precision metering	•	•
Drilling range, hand-held, wet (dia. mm)	8 - 42	32 - 102 / 52 - 162
Drilling range, stand mounted, wet (dia. mm)	8 - 42	32 - 102 / 52 - 162
Drilling range, connecting holes in concrete pipes, hand-held, wet (dia. mm)	-	- / up to 202
Drilling range, hand-held, dry, with dust extraction (dia. mm)	-	52 - 112 / 82 - 212
Rated speed (rpm)	3000 - 4000	900 - 1200 / 480 - 630
Machine weight (kg)	6.1	6.1
Machine length (cm)	43.5	40
Page	62	64

* The DIA 50 W and DIA 400 W are only suitable for wet drilling ** Accessory (can be found on page 67)

DIAMOND CORE DRILLS, WET AND DRY DRILLING



DIA 300 W



DIA 303 W



DIA 400 W*

1800	2000	3200
Civil and structural engineering, connecting holes in sewer pipes	Plumbing, heating, air conditioning systems, civil and structural engineering, connecting holes in sewer pipes	Civil and structural engineering, making breaches, penetrations for ducts, pipes and cables, drilling rows of holes
Reinforced concrete, masonry	Reinforced concrete, masonry, wood, plastic materials	Reinforced concrete, masonry
•	•	-
•	•	•
•	•	•
•	•	•
G 1/2"	G 1/2"	1 1/4" UNC
Quick centring bit**	Quick centring bit**	-
•	•	•
•	•	-
112 - 202	32 - 202	-
112 - 202	32 - 202	67 - 400
up to 300	up to 300	-
127 - 300	52 - 300	-
260 - 350	360/680/1270	230/480/720
6.1	6.4	12.0
40	39	53
64	65	75

DIAMOND CORE DRILL, WET DRILLING

DIA 50 W



DIA 50 W applications

- Drilling holes with dia. 8 - 42 mm with pinpoint accuracy
- Vibration-free, low noise drilling
- Drilling depth up to 600 mm
- Clean drill holes in reinforced concrete, marble, sand-lime brick, natural stones and tiles

DIA 50 W features

- Trouble-free drilling through reinforced concrete
- Rapid release of the drill core from the core bit
- Time-saving and water-saving precision metering of the water flow rate
- Safety clutch with anti-lockup system
- Quick release system for rapid core bit change and drill core removal
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial
- Reliable water extraction
- Easy and simple to use



Rated power	1800 W
Drilling range, hand-held or stand mounted, wet	dia. 8 - 42 mm
Rated speed	3000 - 4000 rpm
Machine weight	6.1 kg
Chuck	Quick release system

Order-No. DIA 50 W

Standard specification: Duss DIA 50 W diamond core drill with PRCD circuit breaker, positioning aid including water collecting ring, depth stop, side handle, auxiliary handle, teflon spray, carrying case.

DIAMOND CORE DRILL, WET DRILLING

DIAMOND CORE BITS · ACCESSORIES

DIA 50 W

1 · CA diamond core bit

①



Diameter mm	Working length mm	Order-No.
8	70	CA 0807
10	150	CA 1015
12	150	CA 1215
14	150	CA 1415
15	150	CA 1515
16	150	CA 1615
16	300	CA 1630
18	150	CA 1815
18	300	CA 1830
20	150	CA 2015
20	300	CA 2030
22	300	CA 2230
24	300	CA 2430
25	300	CA 2530
28	300	CA 2830
30	300	CA 3030
32	300	CA 3230
35	300	CA 3530
38	300	CA 3830
40	300	CA 4030
42	300	CA 4230

2 · ZA centring ring for CA diamond core bit

②



Diameter mm	Order-No.
8	ZA 8
10	ZA 10
12	ZA 12
14	ZA 14
15	ZA 15
16	ZA 16
18	ZA 18
20	ZA 20
22	ZA 22
24	ZA 24
25	ZA 25
28	ZA 28
30	ZA 30
32	ZA 32
35	ZA 35
38	ZA 38
40	ZA 40
42	ZA 42

We can also manufacture diamond core bits up to 600 mm and intermediate lengths on request



Gas pressure spring, extra-long

for diamond core bits with working length up to 300 mm

Order-No. GDF 300



Adapter

for diamond core bits with R 1/2" external thread

Order-No. DAS 50

DIAMOND CORE DRILLS, WET AND DRY DRILLING

DIA 100 W · DIA 150 W · DIA 300 W



DIA 100 W · DIA 150 W · DIA 300 W applications

- Hand-held dry drilling in masonry, sand-lime brick, porcelain, plastic material, etc., even in confined spaces or up a ladder
- Hand-held or stand mounted wet drilling in concrete, granite, marble, etc.
- Drilling holes in sewer pipes

DIA 100 W · DIA 150 W · DIA 300 W features

- Time-saving positioning with quick centring bit
- Quick release system for rapid core bit change and drill core removal
- Safety clutch with anti-lockup system
- Precise preselection and constant control of water flow rate
- Water-saving precision metering
- Ultra-efficient dust extraction during dry drilling
- Screw-in auxiliary handle for non-fatiguing, back-saving posture when drilling downwards
- Rapid changeover from hand-held to stand mounted drilling
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial
- Electronic overload protection and soft start



	DIA 100 W	DIA 150 W	DIA 300 W
Rated power	1800 W	1800 W	1800 W
Drilling range			
hand-held, wet	dia. 32 - 102 mm	dia. 52 - 162 mm	dia. 112 - 202 mm
stand mounted, wet	dia. 32 - 102 mm	dia. 52 - 162 mm	dia. 112 - 202 mm
in concrete pipe, hand-held, wet	-	up to dia. 202 mm	up to dia. 300 mm
hand-held, dry	dia. 52 - 112 mm	dia. 82 - 212 mm	dia. 127 - 300 mm
Rated speed	900 - 1200 rpm	480 - 630 rpm	260 - 350 rpm
Machine weight	6.1 kg	6.1 kg	6.1 kg
Chuck	G 1/2"	G 1/2"	G 1/2"

Order-No. DIA 100 W · DIA 150 W · DIA 300 W

Standard specification: DUSS DIA 100 W · DIA 150 W · DIA 300 W diamond core drill with PRCD circuit breaker, side handle, auxiliary handle, ZST centring rod, SW 22 and SW 30 open-end wrenches, teflon spray, carrying case.

DIAMOND CORE DRILL, WET AND DRY DRILLING

DIA 303 W



DIA 303 W applications

- Hand-held dry drilling in masonry, sand-lime brick, poroton, plastic materials, etc., even in confined spaces or up a ladder
- Hand-held or stand mounted wet drilling in concrete, granite, marble, etc.
- Hand-held drilling or drilling with BST drill stand in sewer pipes, depending on material wet or dry
- Electrical installations, gas, plumbing and heating systems
- Domestic utilities and air conditioning systems, renovation of old buildings
- Civil and structural engineering, road building and landscaping

DIA 303 W features

- Enormous drilling range, hand-held diamond core drilling up to dia. 300 mm
- Time-saving positioning with quick centring bit
- Quick release system for rapid core bit change and drill core removal
- Safety clutch with anti-lockup system
- Ultra-efficient dust extraction during dry drilling
- Precise preselection and constant control of water flow rate
- Water-saving precision metering
- Screw-in auxiliary handle for non-fatiguing, back-saving posture when drilling downwards
- LED display for performance monitoring and service planning
- Rapid changeover from hand-held to stand mounted drilling
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial
- Electronic overload protection and soft start



3
SPEED

Rated power	2000 W
Drilling range with	
diamond core bit, hand-held, wet	dia. 32 - 202 mm
diamond core bit, with BS drill stand, wet	dia. 32 - 202 mm
diamond core bit in concrete pipe, hand-held, wet	up to dia. 300 mm
diamond core bit, hand-held, dry	dia. 52 - 300 mm
LS core cutter in plastic, hand-held	dia. 40 - 322 mm
LS core cutter in plastic, with BS drill stand	dia. 40 - 202 mm
LS core cutter in plastic, with BST drill stand	dia. 40 - 257 mm
Rated speed 1st/2nd/3rd gear	360/680/1270 rpm
Machine weight	6.4 kg
Chuck	G 1/2"

Order-No. DIA 303 W

Standard specification: DUSS DIA 303 W diamond core drill with PRCD circuit breaker, side handle, auxiliary handle, ZST centring rod, SW 22 and SW 30 open-end wrenches, teflon spray, carrying case.

DIAMOND CORE BITS · ACCESSORIES

DIA 200 · DIA 300 · DIA 303

DIA 100 W · DIA 150 W · DIA 300 W · DIA 303 W

①



②



	Diameter mm	Working length mm	Order-No.
1 · Diamond core bits with G 1/2" thread for wet and dry drilling	32*	300	CC 32
	36*	300	CC 36
	42*	300	CC 42
	47*	300	CC 47
	52**	300	CC 52
	62**	300	CC 62
	67**	300	CC 67
	82	300	CC 82
	92	300	CC 92
	102	300	CC 102
	112	300	CC 112
	117	300	CC 117
	127	300	CC 127
	132	300	CC 132
	137	300	CC 137
	152	300	CC 152
	162	300	CC 162
	172	300	CT 172
	178	300	CT 178
	182	300	CT 182
187	300	CT 187	
202	300	CT 202	
212	300	CT 212	
225	300	CT 225	
232	300	CT 232	
250	300	CT 250	
257	300	CT 257	
300	300	CT 300	
2 · Diamond core bits with G 1/2" thread for ceramic flue liners in chimney pipes	112	300	CK 112
	132	300	CK 132
	152	300	CK 152
	162	300	CK 162
	172	300	CK 172
	182	300	CK 182
	202	300	CK 202
	225	300	CK 225
250	300	CK 250	

* Only suitable for wet drilling ** Required accessories for dry drilling can be found on pages 68 and 69, for wet drilling on page 67

DIAMOND CORE BITS · ACCESSORIES



Sealing plug
for diamond core bits from
dia. 82 mm, to plug suction
holes during wet drilling
Order-No. VS



Sealing ring
for diamond core bits
CC 52, CC 62 and CC 67,
to plug suction holes during
wet drilling
Order-No. AR



Sharpening plate
for resharpening blunt
diamond core bits,
195 x 195 x 50 mm
Order-No. SP



Quick centring bits

for rapid, hand-held centring up to dia. 152 mm. The spring-loaded centring bit retracts when drilling starts.
No pilot hole is necessary.

For core bits with a working length of 250 mm to 300 mm

Order-No. SZ

For core bits with a working length of 400 mm to 450 mm

Order-No. SZ 4



Centring rods

Overall length 385 mm, for core bits with a working length up to 300 mm

Order-No. ZST

Overall length 235 mm, for core bits with a working length up to 163 mm

Order-No. ZST 2

Overall length 550 mm, for core bits with a working length up to 450 mm
and angular drilling of large drill holes with core bits with a working length up to 300 mm

Order-No. ZST 6

Adapter for other manufacturers' core drills when used with DUSS diamond core bits



**Adapter G 1/2" external -
R 1/2" external**
for use with other
manufacturers' core drills
with R 1/2" internal thread,
DUSS ZST centring rod or
DUSS SZ quick centring bit
can be used
Order-No. DAS 3



**Adapter G 1/2" external -
1 1/4" UNC internal**
for use with other
manufacturers' core drills with
1 1/4" UNC external thread,
DUSS ZST centring rod or
DUSS SZ quick centring bit
can be used
Order-No. DAS 6

ACCESSORIES

DIA 200 · DIA 300 · DIA 303

DIA 100 W · DIA 150 W · DIA 300 W · DIA 303 W

①



Extension

②



Suction tube

③



Suction head*

Order-No. DIA 200 · DIA 300 · DIA 303 DIA 100 W · DIA 150 W · DIA 300 W · DIA 303 W	① VL 150	① VL 300	② R 75/165	② R 75/315	③ SK 61**	③ SK 76
from dia. 82 mm dry drilling without extension ***					•	
from dia. 82 mm dry drilling with extension 150 mm	•		•			•
from dia. 82 mm dry drilling with extension 300 mm		•		•		•
DIA 100 W · DIA 150 W · DIA 300 W · DIA 303 W						
Wet drilling with extension 150 mm	•					
Wet drilling with extension 300 mm		•				

** DIA 200, DIA 300 and DIA 303: included in standard specification *** Also applicable for LB wood core cutter

①



Extension

②



Suction tube

④



Reducing ring

③



Suction head*

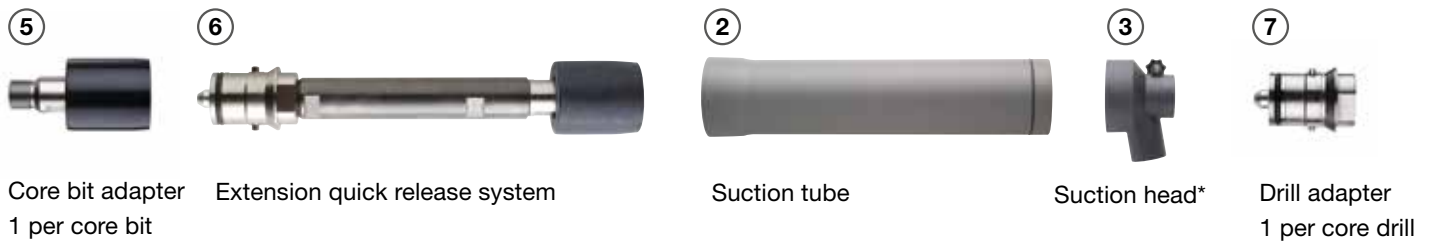
Order-No. DIA 303 · DIA 300 W · DIA 303 W	① VL 150	① VL 300	② R 50/155	② R 50/305	④ RR 75/50	③ SK 61**	③ SK 76
Dry drilling without extension					•	•	
Dry drilling with extension 150 mm	•		•		•		•
Dry drilling with extension 300 mm		•		•	•		•

** DIA 303: included in standard specification

* Connection dia. industrial vacuum cleaner 35 mm

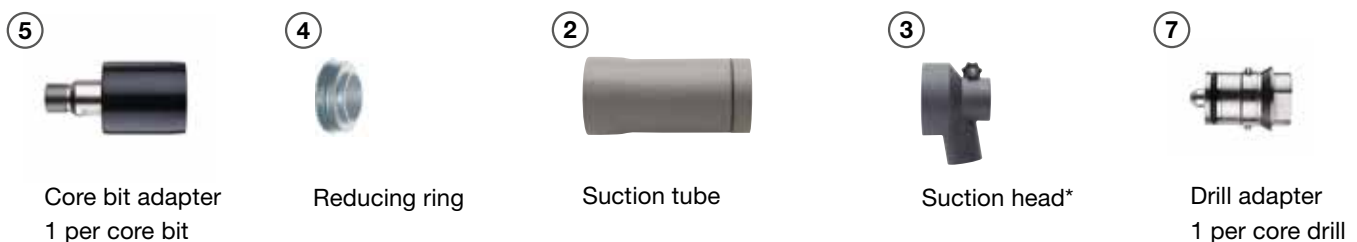
ACCESSORIES

The **DUSS quick release system** permits tool changes in just seconds, as well as fast, simple removal of the drill core. Plug on the tool, twist, done. No auxiliary tools needed. The quick release system comprises the drill adapter for mounting on the diamond core drill and different adapters for mounting on diamond core bits, core cutters or chucks. Also available are extensions for fast system enlargement.



Extraction accessories for dry drilling and extensions for use with DUSS diamond core bits, with quick release system								
Order-No.	5 SVK	6 VL 150 SWS	6 VL 300 SWS	2 RS 75/100	2 RS 75/340	2 RS 75/490	3 SK 76	7 SVM
DIA 200 · DIA 300 · DIA 303 DIA 100 W · DIA 150 W · DIA 300 W · DIA 303 W from dia. 82 mm dry drilling without extension***	•			•			•	•
from dia. 82 mm dry drilling with extension 150 mm	•	•			•		•	•
from dia. 82 mm dry drilling with extension 300 mm	•		•			•	•	•
DIA 100 W · DIA 150 W · DIA 300 W · DIA 303 W Wet drilling with extension 150 mm	•	•						•
Wet drilling with extension 300 mm	•		•					•

*** Also applicable for LB wood core cutter



Extraction accessories for dry drilling for use with DUSS CC 52, CC 62 and CC 67 diamond core bits, with quick release system					
Order-No.	5 SVK	4 RR 75/50	2 RS 75/100	3 SK 76	7 SVM
DIA 303 · DIA 300 W · DIA 303 W Dry drilling without extension	•	•	•	•	•

* Connection dia. industrial vacuum cleaner 35 mm

ACCESSORIES

DIA 200 · DIA 300 · DIA 303

DIA 100 W · DIA 150 W · DIA 300 W · DIA 303 W



Keyless chuck
clamping range 1.5 - 13 mm,
for wood and steel drill bits,
screwdriving and mixing tools,
hole saws, etc.
Order-No. FS 13 S



Chuck adapter
for screw connection, suitable for
FS 13 S keyless chuck and other
chucks with 1/2" - 20 UNF thread
Order-No. DF 5



Socket adapter
for keyless chuck, adapter for
sockets with 1/2" square
Order-No. STA



Chuck adapter
for quick release system,
suitable for FS 13 S keyless
chuck and other chucks with
1/2" - 20 UNF thread
Order-No. SVB



Bubble level
for vertical and
horizontal drillings
Order-No. NH



Water supply unit
for use where no water sup-
ply is available, steel tank,
capacity 10 l, reinforced hose
2.5 m, connector and water
shutoff valve
Order-No. WDB 10

Adapter for other manufacturers' diamond core bits when used with DUSS diamond core drills



**Adapter R 1/2" internal -
G 1/2" internal**
for other manufacturers'
diamond core bits with
R 1/2" external thread
Order-No. DAS 2



**Adapter 1 1/4" UNC external -
G 1/2" internal**
for other manufacturers' dia-
mond core bits with 1 1/4" UNC
internal thread and a working
length up to 450 mm, DUSS ZST
centring rod or DUSS SZ quick
centring bit can be used
Order-No. DAS 4

ACCESSORIES



Suction cup

self-wall-adhering, for clean, hand-held diamond core drilling (further information can be found on page 79)

for drilling dia. up to 68 mm

Order-No. ASG 68



Suction cups

self-wall-adhering, for clean, hand-held diamond core drilling (further information can be found on page 79)

for drilling dia. up to 117 mm

Order-No. ASG 117

for drilling dia. up to 202 mm

Order-No. ASG 202

for drilling dia. up to 250 mm

Order-No. ASG 250



Sealing covers

for ASG 117 suction cup

Order-No. DM 117

for ASG 202 suction cup

Order-No. DM 202

for ASG 250 suction cup

Order-No. DM 250



Drill stands

for right-angled and centric drilling

(further information can be found on page 86)



Industrial vacuum cleaner

for wet and dry vacuum cleaning with appliance socket with automatic on/off switch and automatic filter cleaning.

Cleans filters during work break.

Max. power input	1400 W
Max. volumetric flow rate	61 l/s* (42 l/s**)
Max. partial vacuum	248 mbar* (220 mbar**)
Max. container volume	25 l
Weight	12.7 kg
Suction hose	dia. 35 mm, 5 m
Safety class	I

Order-No. ISC



Industrial vacuum cleaner

for wet and dry vacuum cleaning with appliance socket with automatic on/off switch and permanent, automatic filter cleaning.

Cleans filters permanently. Permits continuous suction without interruption during filter cleaning. Intelligent pressure difference control ensures an always optimum air-flow. Approved for BGIA dust class M.

Max. power input	1400 W
Max. volumetric flow rate	42 l/s** (61 l/s*)
Max. partial vacuum	220 mbar** (248 mbar*)
Max. container volume	35 l
Weight	15 kg
Suction hose	dia. 35 mm, 5 m
Safety class	I

Order-No. ISP

* Measured at the motor fan ** Measured at the end of the hose

ACCESSORIES

Electrical socket sinking with DIA 100 W · DIA 303 W in concrete and with DIA 303 · DIA 100 W · DIA 303 W in masonry without interruption



Wet socket sinking in concrete with water extraction



Dry socket sinking in sand-lime brick with dust extraction



Diamond core bits with G 1/2" thread

for wet drilling in concrete or dry drilling in masonry with extraction, drilling depth max. 150 mm

Order-No. CC 67/150 for drilling dia. 67 mm

Order-No. CC 82/150 for drilling dia. 82 mm



Quick centring bit

for rapid, hand-held electrical socket sinking, without interruption, the spring-loaded centring bit retracts when drilling starts, no pilot hole is necessary

Order-No. SZ 150



Suction head, short

for dust extraction during dry drilling (screw connection) connection dia. industrial vacuum cleaner 35 mm

Order-No. SK 61



Reducing ring

for dust extraction during dry drilling with CC 67/150 diamond core bit (screw connection)

Order-No. RR 75/50



Water collection unit

for CC 67/150 and CC 82/150 diamond core bits

Order-No. WSET 82



Quick release adapter with automatic centring

for electrical socket sinking without interruption, rapid core bit change and drill core removal to the rear (tools can be found on page 57)

Order-No. SWA

DIAMOND CORE DRILLS, WET AND DRY DRILLING

DRILL STANDS · ACCESSORIES

DIA 50 W · DIA 100 W · DIA 150 W · DIA 300 W · DIA 303 W

①



②



Drill stand	1 · BS 130	2 · BS 160
Max. drilling dia.	137 mm	202 mm
Max. drilling dia. with water collecting ring	132 mm	182 mm
Weight	9.6 kg	11.8 kg
Stroke	510 mm	510 mm
Angle adjustment	15°, 30°, 45°	0 - 45° infinitely
Drill holder with quick release	•	•
Fixing options	VP vacuum pump, BFS mounting set, SST quick release column	VP vacuum pump, BFS mounting set, SST quick release column
Recommended drills	DIA 50 W, DIA 100 W	DIA 100 W, DIA 150 W, DIA 300 W, DIA 303 W
Order-No.	BS 130	BS 160
Water collecting ring	③ WS 50**	④ WS 2B* ⑤ WS 1A*
Sealing cover	ZA centring ring** (can be found on page 63)	⑥ DM 2B ⑥ DM 1A

* Complete with clamp and sealing cover ** Only suitable for DIA 50 W

③



④



⑤



⑥



DIAMOND CORE DRILLS, WET AND DRY DRILLING

DRILL STANDS · ACCESSORIES

DIA 50 W · DIA 100 W · DIA 150 W · DIA 300 W · DIA 303 W



Centring pin

for pinpoint positioning of BS 130 and BS 160 drill stand

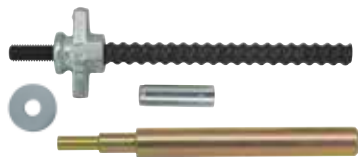
Order-No. ZD



Vacuum pump

for fixing BS 130 and BS 160 drill stand on level and smooth surfaces, with 5 m hose, including coupling

Order-No. VP



Mounting set

for BS 130 and BS 160 drill stand, comprising threaded rod, clamping nut, 25 M12 metal anchors, M16 washer and setting tool

Order-No. BFS



Metal anchors

25 metal anchors

Order-No. EA



Quick release column

for fixing BS 130 and BS 160 drill stand against ceiling or wall, clamping width 1.6 - 3 m

Order-No. SST

DIAMOND CORE DRILL, WET DRILLING

DIA 400 W



3
SPEED



DIA 400 W applications

- Civil and structural engineering
- Making breaches in reinforced concrete
- Penetrations for ducts, pipes and cables
- Drilling rows of holes

DIA 400 W features

- Air cooled, 3200 W drive motor with 3-speed-gearbox
- Oil pump provides reliable lubrication in all positions, including continuous downward drilling
- Reliable, long life overload clutch
- Electronic for constant speed control
- Electronic overload protection, permits immediate resumption of work
- Soft start
- Robust, long-life design with high reserves
- Convenient core bit change with quick release ring

DIA 400 W	
Rated power	3200 W
Drilling range	
1st gear: 230 rpm	dia. 172 - 400 mm
2nd gear: 480 rpm	dia. 92 - 182 mm
3rd gear: 720 rpm	dia. 67 - 112 mm
Machine weight	12.0 kg
Chuck	1 1/4" UNC external

BS 400	
Max. drilling dia.	400 mm
Max. drilling dia. with water collecting ring	302 mm
Stroke	600 mm
Angle adjustment	0 - 45° infinitely
Weight	22.7 kg

Order-No. DIA 400 W Standard specification: DUSS DIA 400 W diamond core drill with PRCD circuit breaker, handle, quick release ring.

Order-No. BS 400 Standard specification: DUSS BS 400 drill stand.

DIAMOND CORE BITS · ACCESSORIES

DIA 400 W



CW diamond core bit with 1 1/4" UNC internal

Diameter mm	Working length mm	Order-No.	Diameter mm	Working length mm	Order-No.
42	450	CW 42	152	450	CW 152
52	450	CW 52	162	450	CW 162
62	450	CW 62	172	450	CW 172
67	450	CW 67	182	450	CW 182
82	450	CW 82	200	450	CW 200
92	450	CW 92	225	450	CW 225
102	450	CW 102	250	450	CW 250
112	450	CW 112	300	450	CW 300
122	450	CW 122	350	450	CW 350
132	450	CW 132	400	450	CW 400
142	450	CW 142			



Extension

for CW diamond core bit with 1 1/4" UNC internal
200 mm

Order-No. VLW 200

300 mm

Order-No. VLW 300

DIAMOND CORE DRILL, WET DRILLING

DRILL STAND · ACCESSORIES

DIA 400 W



Drill stand	BS 400
Max. drilling dia.	400 mm
Max. drilling dia. with water collection ring	302 mm
Weight	22.7 kg
Stroke	600 mm
Angle adjustment	0 - 45° infinitely
Fixing options	BFS 2 mounting set
Order-No.	BS 400



Water collecting ring
for BS 400 drill stand,
up to max. drilling
dia. 302 mm, with clamp and
sealing cover
Order-No. WS 3C



Sealing cover
for WS 3C water collecting ring
Order-No. DM 3C



Mounting set
for BS 400 drill stand,
comprising threaded rod,
clamping nut, 25 M12 metal
anchors, washer and setting
tool
Order-No. BFS 2



Metal anchors
25 M12 metal anchors
Order-No. EA



SUCTION CUPS FOR DRY DRILLING AND WET DIAMOND CORE DRILLING

ASG



ASG applications

- Dust-free drilling
- Clean diamond core drilling
- Especially when working in closed rooms
- Suitable for all rotary hammers and diamond core drills, also other manufacturers' machines



ASG features

- Dust-free air when working
- Minimum pollution of the immediate environment
- No time-consuming cleaning of the workplace
- Simple handling: connect the vacuum cleaner suction hose, the suction cup sucks itself onto the surface
- Adheres securely on various surfaces
- Universally applicable for drillings up to dia. 250 mm



	1 · ASG 12	2 · ASG 68	3 · ASG 117	4 · ASG 202	5 · ASG 250
Drilling range	up to dia. 12 mm	up to dia. 68 mm	up to dia. 117 mm	up to dia. 202 mm	up to dia. 250 mm
Dry drilling	•	•	-	-	-
Wet diamond core drilling	-	•	•	•	•
Connection dia. suction hose	32 - 37 mm	32 - 37 mm	32 - 37 mm	32 - 37 mm	32 - 37 mm
Order-No.	ASG 12	ASG 68	ASG 117	ASG 202	ASG 250

DUST EXTRACTORS FOR CHISELLING AND DEMOLITION WORK

MASH · MASP



MASH · MASP applications

- Dust-free chiselling and demolition work
- Especially when chiselling in closed rooms
- Suitable for all DUSS combi hammers, breakers and demolition hammers

MASH · MASP features

- Optimum dust extraction during all chiselling and demolition work
- Minimum cleaning of the immediate environment required
- Simple mounting of dust extractor to machine
- Practical length adjustment to suit different chisel lengths
- Maximum manoeuvrability thanks to swivelling housing
- Protection from damage through inadvertently switching-on the drilling function thanks to the free-floating housing
- Slim-line, compact design
- The chuck of the machine remains dust-free as the dust extractor and the chuck are separated
- Prolonged service life of machine components



	1 · MASH 1	2 · MASH 2	3 · MASP
For DUSS machines with	Side handle	Side handle	D-handle
Suitable machines	P 30, PK 35, PK 45, PK 45 A, PK 75, PK 75 A	P 60 A, P 90, PX 48 A, PX 76, PX 78, PX 96	PKX 4 A, PKX 7, PK 160 A, PK 300 A, PK 600
For chisels with overall length	340 - 490 / 620* mm	360 - 490 / 620* mm	320 - 490 / 670* mm
Connection dia. suction hose	32 - 37 mm	32 - 37 mm	32 - 37 mm
Order-No.	MASH 1	MASH 2	MASP

* With VLMA extension

EXTRACTION SYSTEMS

ACCESSORIES**ASG****Elbow fitting**

for drilling in hollows and recesses with ASG 68, ASG 117, ASG 202 and ASG 250 suction cups

Order-No. WST

**Sealing cover**

for ASG 117 suction cup

Order-No. DM 117

for ASG 202 suction cup

Order-No. DM 202

for ASG 250 suction cup

Order-No. DM 250

MASH · MASP**Extension***

for use of chisels with overall length of 490 mm to 670 mm

Order-No. VLMA

**Carrying case**

for MASH 1 and MASH 2 dust extractors

Order-No. SHT

for MASP dust extractor

Order-No. SPT

* MASH 1 and MASH 2: accessory; MASP: included in standard specification

CORE CUTTER FOR PLASTIC MATERIALS

LS



LS applications

- Drilling connecting holes for branch pipes in plastic sewer pipes
- Drilling holes in plastic containers

LS features

- Short drilling times and enormous time savings, thanks to innovative cutting technology and premium-quality carbide inserts
- Fast and reliable drilling, even into thick-walled pipes or containers
- Excellent surface finish quality of the drill hole, making deburring unnecessary
- Hand-held drilling of all diameters with DIA 303 and DIA 303 W diamond core drills
- Smooth and clean holes, even in corrugated pipes
- Exceptional prolonged endurance of the carbide inserts
- The sawn-out piece is automatically ejected from the core cutter and captured on the tip of the pilot drill bit, with LSZ 1 pilot drill bit



Drilling dia.	40 - 322 mm
Drilling depth	up to 163 mm
Recommended speed for drilling dia.	
40 - 82 mm	1400 - 700 rpm
83 - 142 mm	700 - 400 rpm
143 - 202 mm	400 - 280 rpm
203 - 322 mm	280 - 180 rpm
Connecting thread	G 1/2"
Recommended drills	DIA 200, DIA 300, DIA 303, DIA 100 W, DIA 150 W, DIA 300 W, DIA 303 W
Order-No.	LS

WOOD CORE CUTTER FOR WOOD AND WOOD COMPOSITES

LB



LB applications

- Installation holes in solid wood ceilings for extractor fans, drainpipes, laundry chutes, etc.
- Holes in wall panelling for filling insulation material, e.g. cellulose insulation
- Installation holes in glued laminated timber for heating pipes
- Holes in glued laminated timber for optical purposes
- Ducts in roof panelling for flue pipes, ventilation, etc.

LB features

- Enormous drilling depth, also in solid wood up to 300 mm
- High drilling speed thanks to innovative cutting technology
- Excellent surface finish quality of the drill hole
- Simple drill core removal from wood core cutter, drill core drops out due to its own weight
- Hand-held drilling of all diameters with DIA 303 and DIA 303 W diamond core drills
- Fine sawdust-free drilling, with extraction
- No pilot hole is necessary, with SZ quick centring bit

Drilling dia.	40 - 322 mm
Drilling depth	up to 300 mm
Recommended speed for drilling dia.	
40 - 82 mm	1400 - 700 rpm
83 - 142 mm	700 - 400 rpm
143 - 202 mm	400 - 280 rpm
203 - 322 mm	280 - 180 rpm
Connecting thread	G 1/2"
Recommended drills	DIA 200, DIA 300, DIA 303, DIA 100 W, DIA 150 W, DIA 300 W, DIA 303 W
Order-No.	LB

CORE CUTTERS

ACCESSORIES

LS · LB



LSA 1 core cutter adapter
for quick release system
Order-No. LSA 1



LSA 2 core cutter adapter
for screw connection
Order-No. LSA 2



LSA 4 core cutter adapter
for SDS-max chuck
Order-No. LSA 4



Drill adapter
for quick release system
Order-No. SVM



LSA 3 core cutter adapter
for keyless chuck,
shank dia. 13 mm
Order-No. LSA 3



Carrying case
for core cutters with drilling
diameter up to 200 mm and
accessories
Order-No. LSK

CORE CUTTERS

LS



LSA 5 core cutter adapter

for SDS-plus chuck

Order-No. LSA 5



Pilot drill bit with ejector

Drilling dia. 14 mm, overall length 300 mm, the sawn-out piece is automatically ejected from the LS core cutter and captured on the tip of the pilot drill bit

Order-No. LSZ 1



Pilot drill bit

Drilling dia. 12 mm, overall length 250 mm

Order-No. LSZ 2



Centring rod

Overall length 385 mm, as centring aid for angular drill holes with LS core cutter

Order-No. ZST



BST 1 drill stand
for right-angled and centric drillings in smooth pipes
Order-No. BST 1



BST 2 drill stand
for right-angled and centric drillings in pipes with corrugated surfaces
Order-No. BST 2

LB



Quick centring bit

for LB wood core cutter with working length of 250 mm to 300 mm

Order-No. SZ



Centring rods

Overall length 385 mm, as centring aid for large drill holes with LB wood core cutter

Order-No. ZST

Overall length 550 mm, as centring aid for angular drill holes with LB wood core cutter

Order-No. ZST 6



BST 4 drill stand

for right-angled drilling on level surfaces

Order-No. BST 4

Extraction accessories for fine sawdust-free drilling with LB wood core cutter can be found on pages 68 and 69

DRILL STANDS

BST



Recommended drills

- DIA 200, DIA 300, DIA 303,
DIA 50 W, DIA 100 W, DIA 150 W, DIA 300 W, DIA 303 W

BST 1 · BST 3 applications

- Right-angled and centric drillings in smooth sewer pipes made of concrete and plastic materials

BST 2 applications

- Right-angled and centric drillings in corrugated sewer pipes, e.g. made of plastic materials

BST 4 applications

- Right-angled drillings on level surfaces, e.g. for railings, heavy-duty anchors, supports
- Right-angled drillings in wooden or plastic sheets



BST 1 · BST 2 · BST 3 · BST 4 features

- Convenient, adaptable drilling in confined areas
- No additional mounting required, short set-up times
- No pilot drill bit or centring rod required
- No tilting
- Forces and torques largely compensated for by the stand
- Vertically adjustable drill holder for core bits of different length

BST 1 · BST 2 · BST 3 features

- Optimum support of the drill stand on the sewer time
- Drilling can be carried out even on a level surface
- Precision drilling through the centre axis of the pipe ensures that connecting pipes are completely leakproof

BST 4 features

- Very small installation area

	1 · BST 1	2 · BST 3	3 · BST 2	4 · BST 4
Max. drilling dia.	257 mm	257 mm	257 mm	182 mm
Stroke	170 mm	170 mm	170 mm	170 mm
Clamping	dia. 43 mm	dia. 60 mm	dia. 43 mm	dia. 43 mm
Min. outer dia. of sewer pipe	200 mm	200 mm	200 mm	-
Max. core bit length	300 mm	300 mm	300 mm	350 mm
Weight	5.8 kg	5.8 kg	5.8 kg	7.0 kg
Order-No.	BST 1	BST 3	BST 2	BST 4



SERVICES

THERE WHEN YOU NEED US

What defines good service is the availability of all-round support. Whether you need advice, wish to place an order, or talk about delivery or repairs, you can always rely on top-quality support and expert advice from our specialists.

Delivery service

By a high level of stock availability and collaborating closely with our logistical contractors, we are able to offer a low-cost, reliable, fast delivery service.



Advisory and ordering services

You can obtain expert advice in response to technical enquiries from our experienced sales personnel. On-site advice is available from our authorised dealers. If you wish, we will be only too pleased to give you a product presentation. Your orders will be received by our friendly staff and dealt with immediately. Whether you contact us by phone, fax, e-mail or in person, DUSS will always be there for you.

Online information

Please visit our website at www.duss.de for quick and easy access to all important information about DUSS, our products, services and current topics.

FRIEDRICH DUSS Maschinenfabrik GmbH & Co. KG

Calwer Str. 17 · 75387 Neubulach · Germany
Phone +49 7053 9692-0 · Fax +49 7053 9692-11
info@duss.de · www.duss.de



DUSS online

www.duss.de

SERVICES

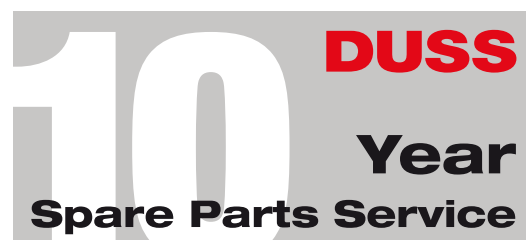
Tailor-made solutions

Standard machines and accessories are not able to meet all individual requirements. When standard solutions fail to provide precisely what you are looking for, we are happy to help with customised alternatives. We will use our extensive pool of experience to develop, design and produce the right individual solution for your specific application.



Spare parts service

We guarantee the continuous availability to our customers of all spare parts for the current product range and assure them that we will continue to supply spare parts for at least ten years after the production of the corresponding machine has been discontinued. As a rule, our great vertical depth of production ensures a reliable supply of spare parts over many years.



Repair service

Our authorised DUSS service workshops ensure that your DUSS machine will be expertly repaired locally, in the minimum of time.

We expressly point out that repairs may only be carried out by a qualified electrician.

CE conformity

Our products comply with the actual valid standards and normative documents.

DUSS service phone

+49 7053 96 92-0

MAINTENANCE

VALUE RETENTION

The right attention is vital to maximizing the service life of your DUSS machines. Regular care and maintenance impact positively on performance, handling and service life.



Special grease

for regreasing insertion ends with hexagon, SDS-plus and SDS-max shank

Special grease tube, 75 ml

Order-No. 780

Teflon spray

for lubrication of core bit holders, insertion ends of centring aids and sliding components of drill stands

Teflon spray, 100 ml

Order-No. TS

DUSS

**DUSS Original
Tools · Accessories
Quality from a single source**

Quality from a single source

DUSS original tools and accessories are ideally coordinated to our machines – for maximum output, efficiency and safety.



DUSS is member of the EPTA

Further information about the European
Power Tool Association can be found on

www.epta.de

DUSS