

ROTARY HAMMERS, BREAKERS
DIAMOND CORE DRILLS

DUSS

HARD WITH CONCRETE. GENTLE ON YOU.
DIA 303 S diamond core drill with soft impact



DRY. CONCRETE. SUPERIOR DRILLING.

DIA 303 S DIAMOND CORE DRILL WITH SOFT IMPACT

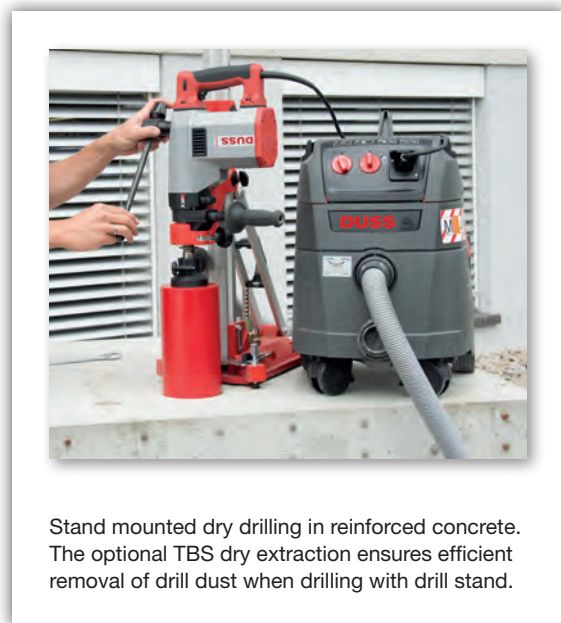
3 GEAR **XIP** SYSTEM IS MADE OF SYNERGY



Highly efficient dry drilling with dust extraction
Thanks to the perfectly balanced system of machine and diamond core bits, the efficient removal of drill dust is guaranteed. The highly efficient dust extraction system ensures reliable drilling performance and provides a clean working environment where time-consuming cleaning is no longer necessary.

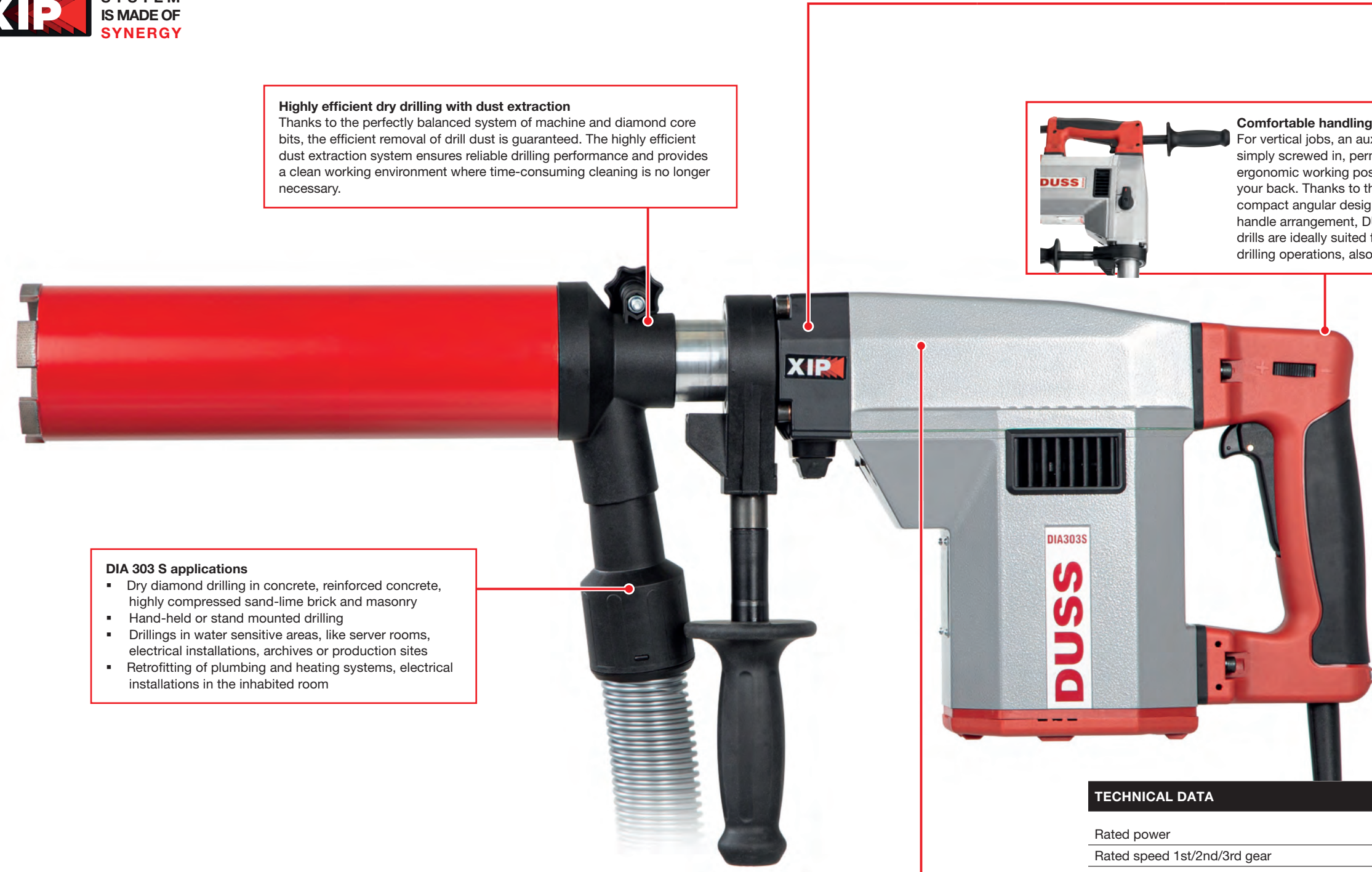


Socket sinking in highly compacted sand-lime brick and masonry. Hand-held or stand mounted, with or without soft impact depending on material.



Stand mounted dry drilling in reinforced concrete. The optional TBS dry extraction ensures efficient removal of drill dust when drilling with drill stand.

- DIA 303 S applications**
- Dry diamond drilling in concrete, reinforced concrete, highly compressed sand-lime brick and masonry
 - Hand-held or stand mounted drilling
 - Drillings in water sensitive areas, like server rooms, electrical installations, archives or production sites
 - Retrofitting of plumbing and heating systems, electrical installations in the inhabited room



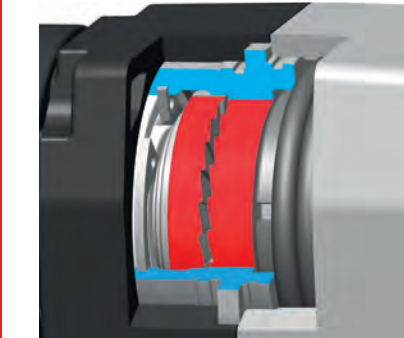
Comfortable handling
For vertical jobs, an auxiliary handle can be simply screwed in, permitting an optimum ergonomic working position without straining your back. Thanks to the low weight, compact angular design and ergonomic handle arrangement, DUSS diamond core drills are ideally suited for manually 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.

DUSS XIP SOFT IMPACT



The DUSS XIP soft impact (X-tra Impact Power) allows the avoidance of water when core drilling into hard materials such as concrete. Thanks to the DIA 303 S diamond drill, it is now possible to drill dry by means of a switchable soft impact for core drillings where the use of water is not desired or permitted. With short set up times, dry drilling with soft impact offers a real option to the otherwise more complex wet drilling, especially in inhabited or sensitive areas.



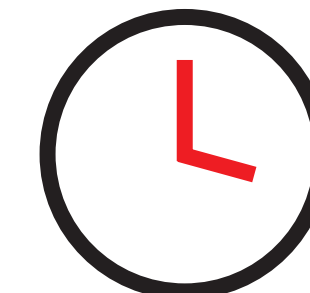
The DUSS XIP soft impact provides the „X-tra Impact Power“ when it matters most. Thanks to their special geometry and design, the impact plates generate high-frequency impact impulses for an effective soft impact. At the same time they are extremely durable. In the coordinated system with DUSS CSL diamond core bits, hard materials such as concrete and reinforced concrete can be drilled.

SYSTEM IS MADE OF SYNERGY

DUSS XIP soft impact is more than the sum of individual components such as impact energy, speed or core bit design. Sophisticated, coordinated techniques create PERFECT SYNERGIES, providing a reliable, EFFECTIVE SYSTEM for the user.



For an accelerated drilling progress, the DUSS XIP soft impact can be switched on quickly and easily using the user-friendly change lever. The generously dimensioned design and the optimum arrangement on the housing make this possible even when wearing work gloves. When drilling less hard materials such as sand-lime brick, the XIP soft impact is not required and can be switched off.



Cost reduction due to lower set-up and cleaning effort; for example, the application of protective covers on sensitive surfaces is not necessary. Time-consuming cleaning of the working area as well as the machine and accessories is no longer necessary.

TECHNICAL DATA	DIA 303 S
Rated power	2000 W
Rated speed 1st/2nd/3rd gear	530/830/1130 rpm
Drilling range in masonry, with/without soft impact	
hand-held	dia. 52 - 250 mm
with BS drill stand	dia. 52 - 202 mm
Drilling range in concrete, with soft impact	
hand-held	dia. 52 - 132 mm
with BS drill stand	dia. 52 - 202 mm
Max. impact rate 1st/2nd/3rd gear	10600/16600/22600 impacts/min
Machine weight	6.9 kg
Chuck	G 1/2"

DUSS ORIGINAL ACCESSORIES FOR MAXIMUM PERFORMANCE AND RELIABILITY.



Drill stand

for safe drilling up to drilling dia. 202 mm

- Extremely robust
- High torsional stiffness
- Precisely guided machine slide
- Lightweight, handy and easy handling

Order-No. BS 160



CSL diamond core bits

for dry drilling in hard materials with soft impact, G 1/2". For more information, see details on the right.



CCL diamond core bits

for wet drilling in concrete without soft impact and for dry drilling in masonry with or without soft impact, universal use. 11 mm premium roofs-shaped segments, G 1/2", drilling dia. 52 - 300 mm available.



Dry extraction

for dry drilling in BS 160 drill stand with dust extraction with diamond core bits G 1/2"

Order-No. TBS



Centring aid

up to drilling dia. 202 mm, for mounting on BS 160 drill stand

Order-No. BS 160-ABH



Quick centring bit

for rapid, hand-held centring. The spring-loaded centring bit reaches when drilling starts.

Order-No. SZ



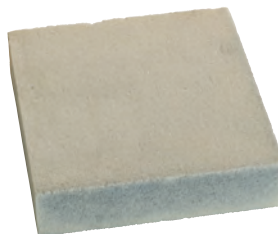
Centring rod Order-No. ZST



Base plate

for fixing the drill stand by the user's own weight, if fixing to the ground is not possible or not desired

Order-No. BS 160-SDP



Sharpening plate

for resharpening blunt diamond core bits, 250 x 250 x 50 mm

Order-No. SP



Industrial vacuum cleaner

for wet and dry vacuum cleaning

- BGIA dust class M
- Permanent, automatic filter cleaning

>> 1600 W, container 35 l, max. volumetric flow rate 45 l/s, max. partial vacuum 245 mbar

Order-No. ISPS

CSL DIAMOND CORE BITS · G 1/2" IT'S A PERFECT MATCH.

CSL applications

- For dry drillings with soft impact in concrete, reinforced concrete, highly compacted sand-lime brick and masonry
- Hand-held or stand mounted drillings



SYSTEM
IS MADE OF
SYNERGY



Premium segments

The special segmentation with evenly placed diamonds ensures excellent cutting endurance of the core bits for dry drilling, especially in concrete and reinforced concrete.

Optimised suction surface

A highly effective dust extraction system is essential for dry drilling with soft impact. Large-dimensioned suction holes ensure an efficient removal of the drill dust and thus enable a reliable drilling performance.



Drill quickly. Finish quickly.

Smooth drilling, optimal drilling performance and high concentricity.

300 mm working length

The working length of 300 mm allows precise drilling without tilting even in confined spaces and optimum weight distribution without top-heavy loads. Weight advantages of up to 20 % also ensure a more efficient soft impact effect.

Order-No.	Drilling dia. mm	WL mm	Order-No.	Drilling dia. mm	WL mm
CSL 52	52	300	CSL 122	122	300
CSL 62	62	300	CSL 127	127	300
CSL 67	67	300	CSL 132	132	300
CSL 72	72	300	CSL 142	142	300
CSL 82	82	300	CSL 152	152	300
CSL 82150	82	150	CSL 162	162	300
CSL 92	92	300	CSL 172	172	300
CSL 102	102	300	CSL 182	182	300
CSL 112	112	300	CSL 202	202	300

