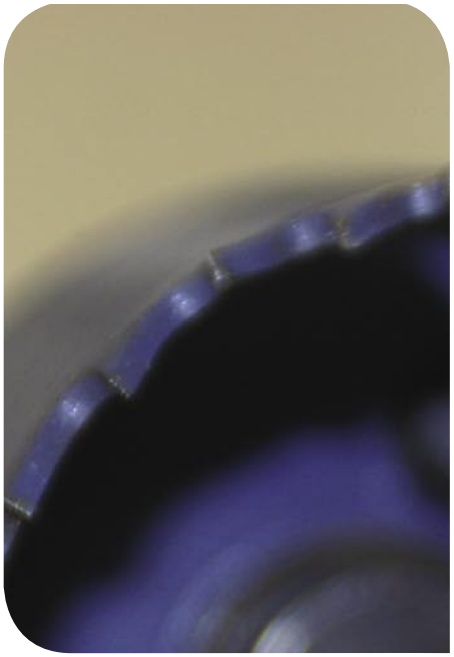
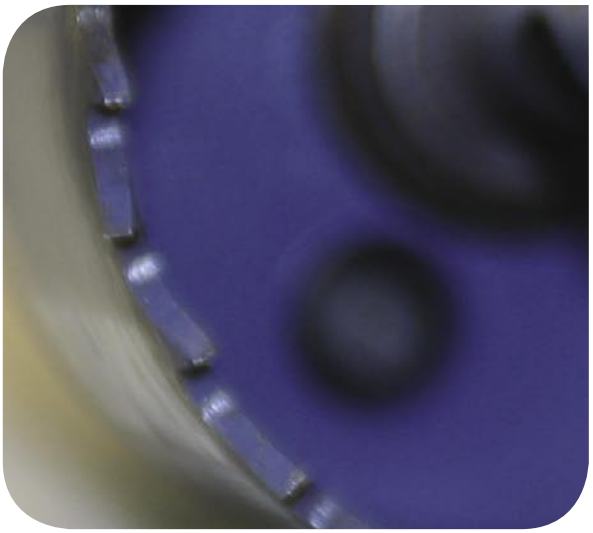


Drilling device W400

Under pressure or pressureless

1/2" up to 2"



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GEORG FISCHER
PIPING SYSTEMS

Drilling device

Under pressure or pressureless drilling

The W400 drilling device enables easy drilling in water and gas distribution lines from ½" up to and including 2" and is suitable for both under pressure and pressureless drilling.
The W400 can be equipped with all types of cupdrills, making this drilling tool suitable for all kinds of pipe materials.

The spring-loaded shaft ensures an extended life span of the drills by preventing the drill from being pressed too hard on the pipe. Worn drills can be replaced by standard cupdrills, that are available in every hardware store.

The W400 is a very compact and lightweight, yet sturdy and robust drilling device that can be operated by one man. The W400 is operated manually. For automatic drilling, a pneumatic motor is available as an option.

Fields of application in the Water & Gas Utility

- Water distribution lines
- Gas distribution lines
- House connections & service lines

» W400 » Under pressure or pressureless » ½" up to 2" »

Basic drilling device W400

Ratchet

Threaded adaptors ½" - 2"

Mandrels including pilot drills

Holesaw cutters

Screwdriver

Socket screw key (allen key)

Suiting transport case

Carbide tipped HSS cutters for abrasive pipe materials.

Your profit

- One-man operation
- Light weight
- Robust and compact
- Extended life span of your drills

›› Modular and adaptable system ››

The W400 drilling device is a modular system, meaning that you only order those components that you require to make the desired branch connection. The material of the pipe and the size of the branch connection obviously require different parts to make a correct drilling.

The basic drilling device W400:
The basic drilling device W400 is needed for all drillings.
The basic W400 includes a ratchet.

Threaded adaptors:
Depending on the size of the tapping saddle, male threaded adaptors are available from ½" up to and including 2".

Hole saw cutters and mandrels:
For abrasive pipe materials like Asbestos Cement and cement lined (ductile) iron pipe, carbide tipped HSS cutters are available. For all other pipe materials including PE and PVC, the standard HSS cutters can be used. Two sizes of mandrels are available to hold the cutter, depending on the size of the cutter.

Multi-functional transport & storage case:
To enable easy transportation and practical organizing of all parts, we offer a sturdy, plastic case with suiting organizer, including socket screw key and screwdriver. The design of the case is such, that it can contain all available parts for every size. By offering all above parts separately, you can compose your own suiting W400 drilling kit, including only the parts that are needed.

Materials:

Housing (non-moving parts)	: Steel DIN1651 - 11SMn30+C (SH) prior SMn 28 K (SH) Galvanized
Shaft and clamp bush (rotating parts)	: Stainless steel 1.4122 - X 35 CrMo 17
Bearings	: IGUS iglidur® M250, slide bearing polymer

Double seal on shaft:

Dirt seal	: NBR RX® 007M/EMN
O-ring	: Viton

Seal on Adaptor:

O-ring	: Viton
Ratchet	: GEDORE
Tools	: GEDORE and IRONSIDE
Transport case	: Stanley 26" Professional (PP), insert: Wood
Drills	: - Blu-Mol HSS 5 series, suitable for steel, PE/PVC and (ductile) cast iron - Blu-Mol Carbide Tipped HSS C-serie, suitable for abrasive materials like Asbestos Cement and cement lined (ductile) iron pipe

›› Application ››

W400, the best and easiest choice for making ½" – 2" branch connections in water and gas distribution lines, both under pressure and pressureless! In combination with the right cutter, the W400 drilling device is suitable for making branch connections on any kind of pipe.

W400 in practice:
One-man operation
Light weight

Product range overview

Georg Fischer WAGA N.V. is the connection technology specialist, offering a complete range of products that have been used in the water & gas market for already many years. No matter how complicated your connection problem seems, we offer you a solution when it comes to:

Connecting

- MULTI/JOINT®
- Steel system
- Draw-lock®
- Stainless steel pipe couplings

To generate a reliable and safe connection

- for dimensions DN25-2800 and all kinds of pipe materials
- for pressure ratings upto and including 48 bar
- connection to pumps, housings and more
- integration in existing pipelines

Repairing

- WAL/V / Bell joint leak clamps
- Stainless steel repair clamps
- Mini clamps

Temporary or long term maintenance of the pipe

- for all pipe materials in utility, industrial systems, shipbuilding, etc.
- under pressure or pressureless repair
- under pressure repair of bell-joints, AC pipes and more

Tapping

- Threaded / Flanged saddles
- Multi/Saddle
- Drilling devices

Under pressure or pressureless tapping

- to install house connections
- no interruption of supply
- for installations of valves, hydrants and service lines

Additional products and spare parts

- Streetcovers
- Insert stiffeners
- Pipe anchors
- Flange gasket sets
- Hydrants
- Valves
- Ratchet spanners

The technical data are not binding and not expressly warranted characteristics of the goods. They are subject to change. Please consult our General Conditions of Supply.

Georg Fischer WAGA N.V.

Lange Veenteweg 19, 8161 PA
P.O. Box 290, 8160 AG
Epe, the Netherlands

T +31 (0) 578 678 378
F +31 (0) 578 620 848
waga.ps@georgfischer.com
www.waga.nl

Local distributor

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