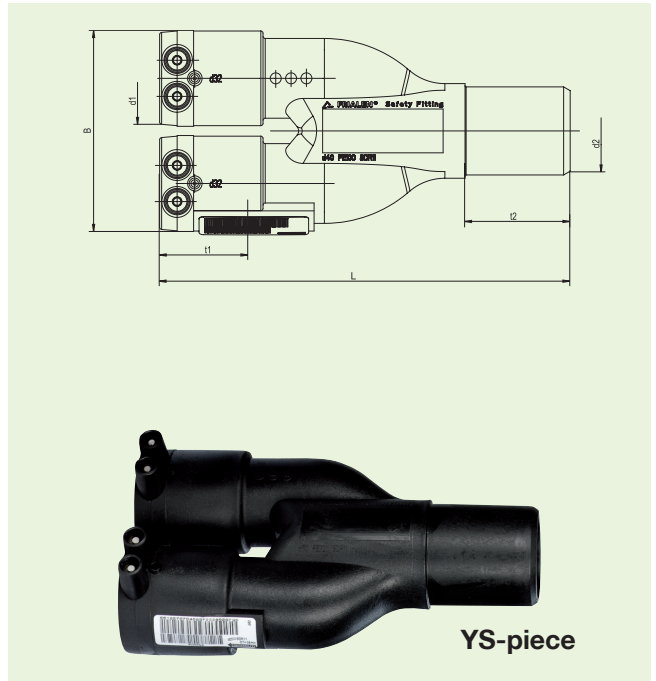


FRIALEN® Geo Y- and YS-pieces

with integrated heating coils for the connection of
borehole heat exchangers
PE 100 SDR 11

Maximum working pressure 16 bar (water)



Y-piece

d ₁	d ₂	Order Ref.	Stock-status	BX	PU	L	t ₁	t ₂	B	Weight kg/each
32	40	640034	1	28	504	205	50	56	92	0,240
40	50	640036	1	18	324	219	56	60	115	0,360

YS-piece

d ₁	d ₂	Order Ref.	Stock-status	BX	PU	L	t ₁	t ₂	B	Weight kg/each
32	40	640035	1	28	504	187	40	46	92	0,190
40	50	640037	1	18	324	203	46	50	115	0,300

The FRIALEN Geo Y- and YS-pieces can be fused with pipes made of PE 100, PE 100 Plus Geo CR respectively PE 100-RC of SDR stages 11 to 17.6.
SKZ Mark A 500 (SKZ HR 3.26)



For important information on the use of the
FRIALEN® Geo Y-pieces, please see on the back.



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Maximum working pressure 16 bar (water)

Area of application

The FRIALEN® Geo Y- and YS-pieces are used for the connection of FRIALEN® Geo borehole heat exchanger pipes to be able to operate two or more circuits via a shut-off element or to quickly and efficiently create a direct connection to the heat pump.

FRIALEN® Geo Y- and YS-pieces have a smooth, hydraulically optimised internal contour for optimal flow conditions.

Assembly instructions

The connection of the pipes with FRIALEN® Geo Y- and YS-pieces made by FRIALEN® electro-fusion is leak-proof and longitudinally strong.

The PE spigot end of the YS-pieces as well as the borehole heat exchangers- and connection pipes, made of PE 100 or PE 100 plus Geo CR respectively PE 100-RC, get prepared (removing oxide layer/cleaning), according to the general assembly instructions (see “Assembly Instructions” for “FRIALEN-Safety Fittings for house connections and distribution pipes up to d 225”) and can be used for example with a FRIALEN® elbow 90°.

Many good reasons for using the FRIALEN® Geo Y- and YS-pieces

- **NEW:** 8 mm coupler extension of the Y-piece for more safety when installing coiled pipe because of long guiding- and holding zones

- less space required thanks to compact design
- reduces installation time thanks to integrated fusion couplers giving simultaneously processing safety
- leak-proof, longitudinally strong connection
- exposed, fixed heating coil for direct heat transfer to the pipe
- maximum stability through great wall thickness
- fusion indicators for visual fusion control
- barcode for fully automatic fusion with HDPE pipes from SDR stages 11 to 17.6, taking into consideration the ambient temperature (temperature compensation)
- flexible use enabled due the variation of either Y-piece (3 x coupler) or YS-piece (2 x coupler, 1 x spigot end)
- additional barcode for tracing back the component part (Traceability-Coding)
- durable batch marking
- individual foil wrap to prevent dirtying at building site
- touch proof electric contacts
- small annular gap for build-up of optimum joining pressure in the fusion zone

For further information, please ask our
FRIALEN® Geo-Team.
Simply call us!

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