

Tapping saddle

654X

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The tapping saddle from GF is recognisable from the blue colour and is used whenever a connection has to be made to an (existing) PE or PVC line with a diameter from 20 to 315 mm. 654X has KIWA certification and is used in particular for drinking water lines and in the agricultural sector.

APPLICATION

Civil engineering, industrial and agricultural sector, above-ground and underground applications

CHARACTERISTICS

- ✓ Tapping saddle for PVC and PE pipes and lines with KIWA certification
- ✓ Stainless steel bolts, nuts and reinforcement rings

INSTALLATION & MAINTENANCE

1. Check whether all the necessary parts are available.
2. Place the pipe clamp onto the pipe. Insert the bolts, starting from the part without connection. Do not fully tighten the nuts and bolts at this stage.
3. Drill a hole in the pipe. Use a suitable drill so that no damage is caused to the tapping saddle while still achieving the largest possible hole. (Pay attention that the part drilled out does not remain inside the pipe!)
4. Install a fitting in the screw thread.
5. Then tighten the nuts and bolts fully and cross wise so that the two shell halves come together (up to 160 mm). Above 160 mm a small gap may remain between the shell halves. In this case tighten the nuts and bolts until a sufficiently firm joint is obtained. The shell half with the connection must just contact the pipe. When the coupling is securely fastened, the screwed in fitting can be stiffly rotated.

Note: Do not use any detergents for connection of PE lines.

TECHNICAL DATA

Type	: 654X
Diameter	: 20 – 315 mm
Colour	: blue
Connection	: ½" - 4" BSP, female
Material	: PP (polypropylene - housing) : Flat gasket (seal ring up to 2" - see photo) : O-ring (seal ring above 2") : NBR (seal) : Stainless steel (nuts and bolts) : >1" stainless steel AISI 430 (reinforcement ring)
Max. pressure 20 – 160 mm	: 16 bar (see table)
Max. pressure 160 – 315 mm	: 10 bar (see table)
Max. temperature	: 60°C (with decreasing max. pressure)
Certification	: KIWA (NL) / WRAS (UK) / NSF (USA)

Maximum working pressure (bar) vs. temperature (°C)

Temperature	-10 /+25 °C (bar)	+26/+35 °C (bar)	+36/+40 °C (bar)
PN	16	12,5	10
PN	10	8	6

Flat gasket top view and intersection

