

STRAUB-PLAST-PRO

Axial restraint connection of PE80 and PE100 pipes

Axially restrained full set allowing a quick and simple installation of pressure pipes made of polyethylene (PE). The full sets are available for pipes in dimension SDR 11 (63.0 - 110.0 mm, PN16) and SDR 17 (>110.0 - 355.0 mm, PN10). STRAUB-PLAST-PRO is particularly suitable for water, waste water, industrial plants and maintenance applications.

STRAUB-PLAST-PRO is applicable, whenever pipes cannot be connected by conventional technologies, like electro fusion. The unique full set offers the great advantage that pipes can easily be connected, without needing an external power supply and pipe end preparations, even under demanding external circumstances.

The pipes made of PE 80 or PE 100 are connected with a combination of liner and two connectors. STRAUB-PLAST-PRO is highly resistant to corrosion, thanks to the usage of first class materials.

PE pipes with additive protective layer and diffusion barrier layer are normally used, when drinking water lines have to be installed in contaminated soils. If the pipes are connected in a conventional manner, it is essential that the aluminium layer is removed. This operation is not necessary if STRAUB-PLAST-PRO will be used. STRAUB-PLAST-PRO connects such barrier layer pipes easily and safely without any pipe end preparation.



PE80 and PE100 pipes according to DIN 12201 / DIN 8074



STRAUB-PLAST-PRO Liner (illustrated STRAUB-PLAST-PRO L)



PE Pipe with aluminum layer

Example STRAUB-PLAST-PRO R (Reducer)



Slide the connectors over both pipes.



Push the reducer into the first tube until it stops



Push the tubes together as far as they will go.



Align the connectors to the pipe ends.



Tighten the locking bolts alternately with a torque wrench to the final torque rate indicated on the label of the connector.

The full set STRAUB-PLAST-PRO

Description

Scope of delivery

consisting of:

Liner

Connector

STRAUB-PLAST-PRO L

Coupler



+ 2x



STRAUB-PLAST-PRO LR

Repair-coupler
(Repairs up to 100 mm,
other lengths on request)



+ 2x



STRAUB-PLAST-PRO R

Reducer



+ 2x



STRAUB-PLAST-PRO B90

Elbow 90°



+ 2x



STRAUB-PLAST-PRO B45

Elbow 45°



+ 2x



STRAUB-PLAST-PRO T

Equal Tee



+ 3x



STRAUB-PLAST-PRO TFA

Flanged Branch Tee *



+ 2x



STRAUB-PLAST-PRO FB90

Duck Foot Bend 90° *



+ 1x



STRAUB-PLAST-PRO FA

Flange Adapter *
(Loose flange is included)



+ 1x



*Flange bolt set is not supplied (DIN EN 1092-1)

Example for your order: STRAUB-PLAST-PRO L 90.0, SDR 11

You will find the data sheets on our website www.straub.ch containing material specifications and all available diameters.