

For the installation of all types of pipes when carrier pipes run through a casing pipe

CaseX DSI® CASING SPACER



Water



Energy



Civil
Engineering



TYPE SELECTION



CaseX DSI® PA/PE Casing Spacer

Fields of application

For pipe pull-in and pipe storage; also suitable for particularly small carrier pipes

Material

Polypropylene; bolts/nuts galvanized, stainless steel on request

Properties

Easy installation by means of two half-shells and 4 bolts; max. static load per ring up to 250 kg; skid heights 11 to 110 mm; cathodic pipe protection; material temperature range -20 °C to 100 °C; coefficient of sliding friction of polypropylene on steel approx. 0.2

Sizes

Outside pipe diameter from 25 mm to 336 mm



CaseX DSI® AZ/AC Casing Spacer

Fields of application

For pipe pull-in and pipe storage

Material

Polypropylene; bolts/nuts galvanized, stainless steel on request

Properties

The variable number of segments ensures that the spacer can be adapted to the different carrier pipe diameters: max. static load per ring up to 200 kg; skid heights 16 - 110 mm; cathodic pipe protection; material temperature range -20 °C to 100 °C; coefficient of sliding friction of polypropylene on steel approx. 0.2

Sizes

Outside pipe diameter from 98 mm to 385 mm



CaseX DSI® MA Casing Spacer

Fields of application

For pipe pull-in and pipe storage; suitable for larger medium pipes and higher static loads

Material

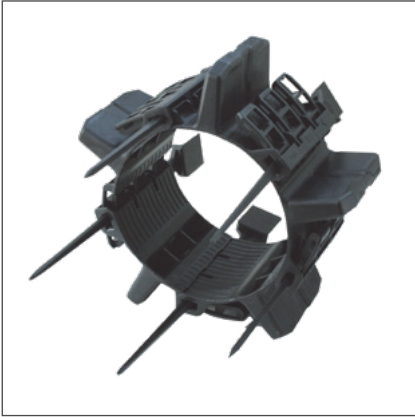
Polypropylene; bolts/nuts galvanized, stainless steel on request

Properties

The variable number of segments ensures that the spacer can be adapted to the different carrier pipe diameters: max. static load per ring up to 650 kg; skid heights 25 to 75 mm; cathodic pipe protection; material temperature range -20 °C to 100 °C; coefficient of sliding friction of polypropylene on steel approx. 0.2

Sizes

Outside pipe diameter from 402 mm to 1249 mm



CaseX DSI® GKO-mk Casing Spacer

Fields of application

For pipe pull-in and pipe storage; metal-free solution for small medium pipes and low static load; suitable for cathodic protected pipes

Material

Polypropylene

Properties

Easy installation and adaption to different media pipe diameters by means of clamping connection technology: max. static load per ring up to 250 kg; skid heights 25 to 125 mm; cathodic pipe protection; material temperature range -20 °C to 100 °C; coefficient of sliding friction of polypropylene on steel approx. 0.2; metal-free

Sizes

Outside pipe diameter from 160 mm to 430 mm



CaseX DSI® GKO-gl/gS Casing Spacer

Fields of application

For pipe pull-in and pipe storage; metal-free solution for large medium pipes and extreme static loads; suitable for cathodic protected pipes

Material

Polypropylene

Properties

Easy installation and adaption to different carrier pipe diameters by means of clamping connection technology: max. static load per ring GKO-gl up to 4.000 kg; GKO-gS up to 14,200 kg; Skid heights 36 to 125 mm; Cathodic pipe protection; Material temperature range -20 °C to 100 °C; Sliding friction coefficient of polypropylene on steel approx. 0.2; Metal-free

Sizes

Outside pipe diameter from 400 mm to 2500 mm



CaseX Ranger® II S / M / L Casing Spacer

Fields of application

For pipe pull-in and pipe storage; metal-free solution, mainly used for multiple pipe pull-in such as bundling. Suitable for cathodic protected pipes

Material

Polypropylene

Properties

Manufactured with high performance Polypropylene and has an excellent efficiency against compressive load and better resilience to stress in comparison to Polyethylene. It has extremely good sliding property. Following are some of the technical properties: Temperature Range: -30 °C/+100 °C; Dielectric Strength: 32kV/mm; Compressive Strength: 20,684 kPa; Impact strength: 80 joules/m

Sizes

S, M, L

Outside pipe diameter from 62 mm up to 1290 mm



PRODUCT INFORMATION

Properties

- Easy pull-in of the carrier pipe
- The spacer's friction coefficient is reduced to a minimum because they are made of plastic
- The minimized friction prevents damage to the protective coating and wrapping of the pipes
- A wide range of skid heights facilitates the centering/storage of carrier pipe in casing pipe
- Excellent insulating properties of the materials used. All requirements of cathodic pipe protection are fulfilled

Fields of application

Casing spacers made of high-quality polypropylene material are universally applicable in the installation of all kinds of pipelines when the carrier pipe runs through a casing pipe.



Description

Polypropylene has a waxy and therefore a good sliding surface. The coefficient of sliding friction of PP on steel is approx. 0.2. In comparison, steel on steel is about 0.5. Due to the optimum friction conditions, abrasion is reduced to a minimum. Good stress cracking resistance, flexibility of the body, low weight, bending stiffness and stability of the skids form as well as excellent dielectric isolation characteristics are further benefiting properties. Polypropylene has a higher temperature resistance than polyethylene. The base material is resistant up to 100 °C. The specification of the load capacity applies for a skid height up to 75 mm. For skid heights above 75 mm, these values shall be multiplied by a factor of 0,75. These specifications apply to standard pipelines. To determine the correct distances for an individual application, other factors have to be taken into consideration, such as pipe diameter, wall thickness of pipe and type of media (gas or liquid). We will be glad to assist you in determining the exact dimensions.

Notes

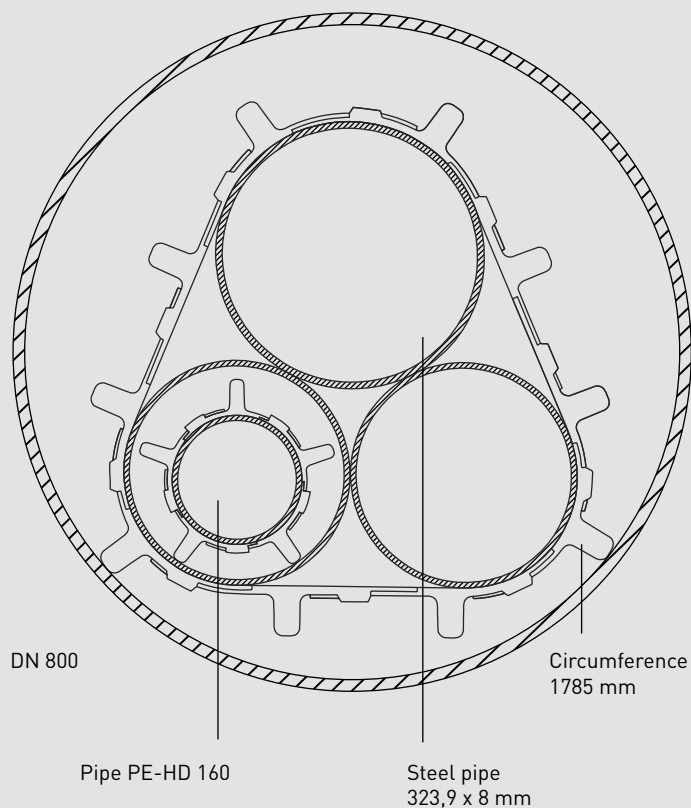
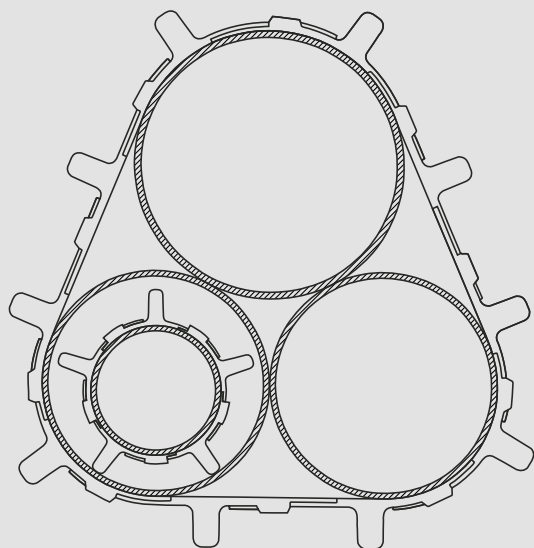
Plastic spacers are usually installed with the following distances:

- Pipe diameter up to 300 mm at 2.5 m distance
- Pipe diameter 301 - 600 mm at 2.0 m distance
- Pipe diameter larger than 600 mm at 1.5 m distance
- The spans also depend on the specifications of the respective pipe manufacturers. In particular cases, the ring distance can be modified after checking the installation situation.



TECHNICAL INFORMATION

Application example of pipe bundling



SUITABLE ACCESSORIES

Anti sliding tape





CERTIFICATES

To offer our customers the best possible quality and service, we are organized according to DIN EN ISO 9001:2015 and have this continuously checked and certified.

CERTIFICATE ISO 9001:2015

This certification documents our conformity of the quality management system

AEO-CERTIFICATE

Authorized Economic Operator "AEOC (customs simplification)"

CASING SPACERS

Ruhr gas material testing

- DSI® Plastic Spacers GKO 125 gs, 125 gl, 36 gs, 36 gl; TALW component testing