

SHAFT CONNECTORS



BTNyloplast
Nature's Network



PUSH-IN AND CAST-IN CONNECTORS

Cast-in connectors are casted into a chamber or pipe during the production process. Alternatively they may be bricked in and luted in an oversized hole afterwards. Push-in connectors are always applied afterwards. They are pressed into a drilled hole with a certain diameter (and little tolerance).

BT Nyloplast produces push-in and cast-in connectors for horizontal as well as vertical applications. Push-in and cast-in connectors for vertical applications are fitted with a reinforced stop to be able to resist pressure load (40kN according to Dutch norms). Moreover they are fitted with a special rubber gasket which enables easy fitting of a standpipe (which must not be beveled off!).

Push-in and cast-in connectors for horizontal applications come either with or without a stop, depending on fitting ease versus norms or local custom. Absence of a stop may result in easier fitting and a higher expansion tolerance.

Concrete connectors may be sand-coated for improved attachment to concrete.

Concrete connectors may be fitted with a flange, which creates a longer 'water passage' and protects the connector against deformation. A flange may be fitted either at the beginning, halfway or at the end of the connector. Another possibility is to apply more than one flange to the connector. Concrete connectors for horizontal and vertical applications are also available in flexible versions. In this case the sleeve is widened after the ring chamber, enabling 6° angular movement in all directions. Concrete connectors for horizontal and vertical applications may be fitted with a radially tapering starting or ending lead, which will eliminate projection or protrusion from the concrete wall.





APPLICATION AREA

Pipe connectors to concrete manholes or masonry; wall penetrations



APPROVAL

Germany, Netherlands, Belgium, Hungary and Romania
Check for possible exceptions



MATERIAL DESIGNATION

Polystyrene PS + S/B, Acrylnitril-Butadine-Styrol (Acrylonitrile butadiene styrene), PVC-U



STANDARD

Test and monitoring regulation HR 3.23 of the SKZ, BRL 9206



DIAMETER

DN 100 - 630mm



COLOURS

White, beige, black, grey RAL7037, orange brown RAL8023



SEALING RING SYSTEM

BL lip seal / sliding wedge seals / SK fix seal



PACKAGING TYPES

in packs or in cartons, or on one-way paletts wrapped in shrink-foil in different pcs/unit

KGF shaft connector for PVC-KG pipe connection

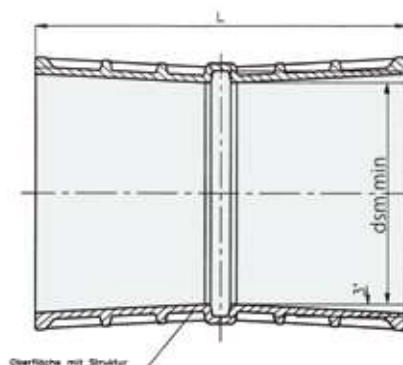
Very good waterproof adhesion to the surrounding concrete due to the profiling and textured surface. Easy introduction of the pipe guaranteed (angle $\pm 3^\circ$). High impact resistance and low weight. The seals approved for KG pipes are used.

Suitable for PVC sewer pipes to **DIN EN 1401-1**.

Information on the availability of special length of KGF shaft connectors is available on request.

KGF Shaft connector

DN/OD	dsm _{min}	L
110	110,4	80/110/240
125	125,4	80/110/240
160	160,5	65/80/90/110/240
200	200,6	80/110/240
250	250,8	80/110/240
315	316,0	80/110/240
400	401,2	80/110/240
500	501,5	80/110/240



KGE Shaft connector for PVC-KG pipe connection

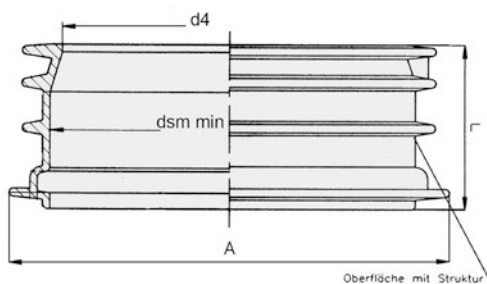
Very good adhesion to the surrounding concrete due to the outer shape and surface texture, providing a waterproof connection. Low weight.

The seals approved for KG pipes are used.

Suitable for PVC sewer pipes to **DIN EN 1401-1**.

KGE for PVC-KG pipe connections

DN/OD	A	dsm _{min}	d4	L
110	140	110,4	103,4	67
125	155	125,4	118,4	72
160	210	160,5	152,2	86
200	239	200,6	190,3	103



PEGSF shaft connector for PE-HD pipe connection

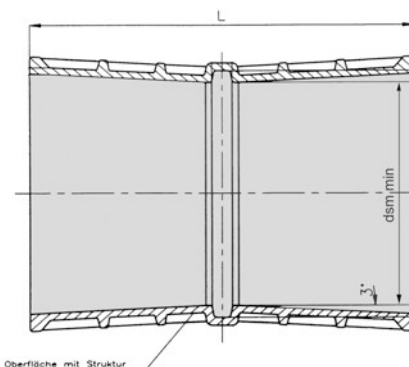
Very good waterproof adhesion to the surrounding concrete due to the profiling and textured surface. Easy introduction of the pipe guaranteed (angle $\pm 3^\circ$).

High impact resistance and low weight. The seals approved for KG pipes are used.

Suitable for PE-HD sewer pipes to **DIN EN 12666**.

PEGSF shaft connector light grey

DN/OD	dsm _{min}	L
110	111,1	80/110/240
125	126,3	80/110/240
160	161,6	80/90/110/240
200	202,2	80/110/240

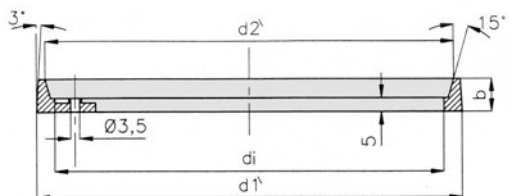
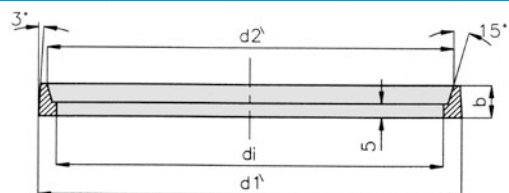


Insert Ring / Fixing Aid for KGF and PEGSF length 90 and 110 mm

DN/OD	d1	d2	di	b
110	114,7	110,3	104,0	11
125	129,6	125,3	119,0	11
160	164,4	160,4	152,8	12
200	204,4	200,4	191,0	14

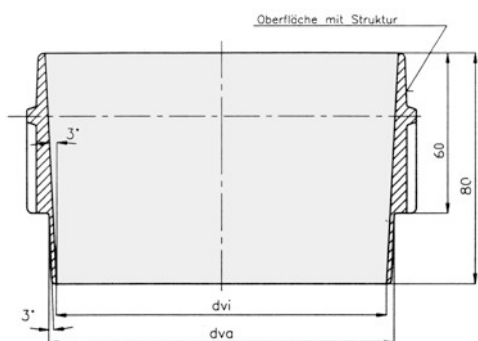
Insert Ring / Fixing Aid for KGF and PEGSF length 240mm and extension

DN/OD	d1	d2	di	b
110	121,7	110,3	104,0	11
125	136,6	125,3	119,0	11
160	171,3	160,4	152,8	12
200	211,2	200,4	191,0	14



Extension for KGF and PEGSF

DN/OD	dvi	dva
110	113,4	121,8
125	128,3	136,7
160	163,1	171,5
200	203,0	211,4



Insert ring for KGF and PEGSF Shaft connector and extension



The fitting ring prevents the penetration of concrete between the shaft connector and core during production of the shaft. It then serves as a guide for the installation of the gutter. The accurate adjustment of the ring to the inner pipe diameter ensures a smooth transition from the shaft gutter to the PVC-KG or PE-HD drainage pipe.

Fixing aid for KGF and PEGSF Shaft connector and extension



The fixing aid is attached accurately to the formwork by means of nails. The shaft connector is then placed on the fixing ring and therefore positioned accurately. The fixing aids are reusable.

Extension 60 mm for KGF and PEGSF length 240 mm

The same favourable material characteristics and connection effects as the KGF-S/B shaft connector. Easy extension of the shaft connector in steps of 60 mm to 300 mm, 360 mm etc.

