

# Flanged Adaptor

## Product Technical sheet



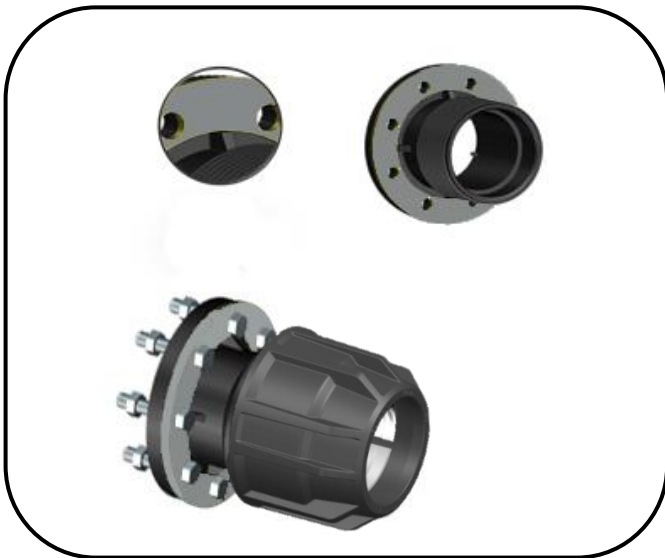
### ABOUT

Plas-Fit offers a complete range of mechanical compression Flange Adaptors, designed for conveyance of fluids, gaseous fuels, compressed air, chemical solutions and slurries under high pressure. Our flanged adaptor fittings comply with all relevant international standards in terms of dimensions and mechanical properties.

### FEATURES

In order to tie everything together (gasket, backing ring, body), Plas-Fit has produced an ergonomic design which allows the installation of flanged adaptors by a single person.

#### 1. Centering Alignment Nerves



The metal ring has been adjusted for the auto-alignment of backing ring at the center of flanged.

#### 2. Fixed Constraint Gasket



The design of the novel gasket allows a fixed connection with adaptor, which ensures its retention.

**TECHNICAL SPECIFICATIONS****Effect on water**

Plas-fit fully conform to international hygiene and sanitary requirements specified by standards such as BS6920 (UK), KTW (DE) and AUS/NZ 4020 (AUS).

Our fittings are suitable for joining high and low density polyethylene pipes conforming to:

- EN 12201 and adequate Standards

**Dimensions and characteristics**

Our fittings comply with the dimensional requirements and characteristics of the following standards:

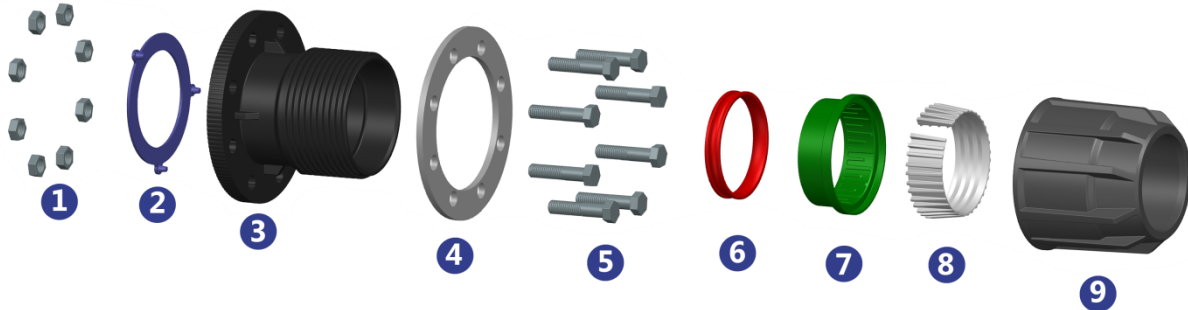
ISO 14236, EN 1092 and adequate Standards

**Operating pressure**

Flanged adaptors are suitable for working pressures up to 16 bar at 20°C.

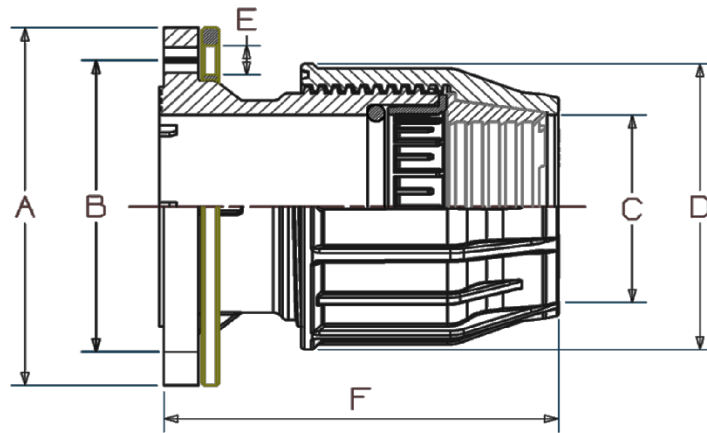


## MATERIALS



- (1) **METAL HEX NUTS** - Stainless or galvanized steel made, available on several diameters and thickness for the optimum fit on each size of flange.
  - (2) **SPECIAL GASKET** – Rubber seal that creates a static seal between two stationary members of assembly and maintain seal under operating conditions, which may vary dependent upon changes in pressures and temperatures.
  - (3) **BODY** – Major and most important component of the fitting system. It can be shaped in several dimensions and configurations to satisfy the requirements and arrangements of fluid's direction. It has a snagging arrangement internally to position the O-ring and insert, ensuring leak tightness when assembled with a pipe.
- \* Hole arrangement in the flange is according to European Standard EN1092.**
- (4) **BACKING RING** - Stainless steel ring, which ensures high strength and pressure resistance.
  - (5) **BOLTS** –Nut thread type is according to DIN558 / ISO4018
  - (6) **O-RING** – Ensures leak tightness between the fitting system and the inserted pipe. It is made by nitrile rubber (NBR 70) to withstand high service temperature, excellent compression set, tear, and abrasion resistance.
  - (7) **INSERT** - Secures the O-ring and keep it in position during handling and operation. It is made by black high performance polypropylene copolymer PP-B.
  - (8) **SPLIT RING** - Ensures optimum grip between the fitting system and pipe. Sharp triangular teeth are located inside and are in contact with pipe when inserted to the fitting system. It is made by high performance polyacetal material with sufficient stiffness and hardness to provide high-end load resistance. It can be used to join all types of polyethylene pipes.
  - (9) **NUT** – Tightens the pipe with the fitting system. It is made by high performance polypropylene copolymer PP-B.

## DIMENSIONS



Complete Flanged Adaptor. Includes: as shown above, plus runner seal, bolts and nuts

Cat No.	Size	Weight	A	B	C	D	E	F	n
25050F0005	50 X 1½"	1340	150	110	51.50	92.50	18	136	4
25050F0006	50 X 2"	1580	165	125	51.50	92.50	18	136	4
25063F0006	63 X 2"	1800	165	125	64.50	109.00	18	153	4
25063F0007	63 X 2½"	2160	185	145	64.50	109.00	18	153	4
35075F0007	75 X 2½"	2260	185	145	76.00	132.50	18	177	4
35075F0008	75 X 3"	3275	200	160	76.00	132.50	18	180	8
35090F0008	90 X 3"	3500	200	160	94.00	151.50	18	200	8
35090F0014	90 X 4"	3950	220	180	94.00	151.50	18	200	8
35110F0014	110 X 4"	4500	220	180	112.50	175.50	18	231	8



# Flanged Adaptor

## Assembly Instructions



	INSTRUCTIONS	PROCEDURES		INSTRUCTIONS	PROCEDURES
STEP1	Check that the dimensions of flanged adaptor are in deal with the dimensions of the attachment body.		STEP5	Insert pipe into the fitting as far as it will go until it meets the 1st resistance.	
STEP2	Align the flanged adaptor and tighten flange connecting bolts fully in accordance with standard flange techniques.		STEP6	Push split ring forward until it reaches the fitting.	
STEP3	Chamfer the end of the pipe and mark the length to which the pipe must be pushed in the fitting.		STEP7	Tighten the nut by means of two special wrenches. The mark on the pipe is now just in front of the nut.	
STEP4	Keep the O-ring and insert fixed on the body.		STEP8	Verify that the nuts are evenly tight symmetrical. The installation procedure is complete.	