

PERFORMER END-FLEX® flanges

for chemical and petrochemical hoses

PROCESSING EQUIPMENT - OIL & GAS

Dock applications

This Trelleborg system enables PERFORMER CR-EPDM, PERFORMER CD-EPDM, MAGDALA and ATLANTIS hoses to be joined together or connected to any flanged ancillary equipment.

Advantages

- A leakproof connection with no need for a separate gasket.
- Geometrical continuity of the fluidway ensures full flow without turbulence, localised head loss or premature tube wear.
- The swiveling flange does not come into contact with the material flow.
- Weight saving as END-FLEX® flange systems are lighter than conventional couplings.
- The swiveling flange will accommodate any misalignment of the holes, facilitating fitting and hose rotation.
- Safe and reliable solution which has been validated over years of experience.

Technical description

This patented TRELLEBORG system enables PERFORMER hoses to be joined together or connected to flanged ancillary equipment in the pipe line circuit.

Flange assembly:

- a steel ring embedded in a rubber bead which is built, molded and vulcanised along with the hose,
- a steel swiveling flange which locates against the bead and is held in place by the steel ring,
- a rubber gasket integral with the bead, made of the same rubber as the hose tube.

Complementary information

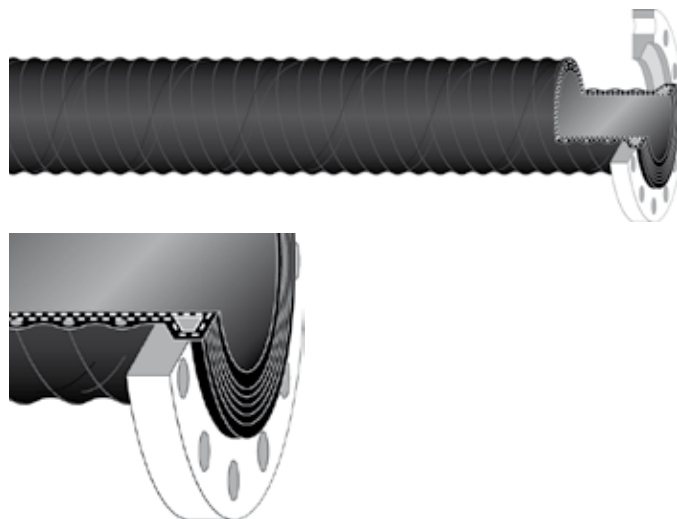
Diameters vary according to drilling (see standardised drilling datasheet).

On request, the steel flanges can be:

- chromated galvanised, hot galvanised or resin-coated,
- made of 316L stainless steel,
- built-in two parts,
- with other drillings.

Recommendations

Use flat fiber gasket in case of connection with RF (raised face) flanges.



ID hose mm	PN10			PN16			PN20 (ASA150)		
	Drilling ISO tools	Flange OD mm	Flange thickness mm	Drilling ISO tools	Flange OD mm	Flange thickness mm	Drilling ISO tools	Flange OD mm	Flange thickness mm
50	x	165	18	x	165	18	x	152	19
65	x	185	20	x	185	20	x	178	22
75 *	x	200	22	x	200	22	x	-	-
80	x	200	22	x	200	22	x	190	24
100	x	220	22	x	220	22	x	229	24
125	x	250	24	x	250	24	x	254	24
150	x	285	24	x	285	24	x	279	26
175 *	x	315	26	x	315	26	x	-	-
200	x	340	24	x	340	26	x	343	29
225 *	x	370	26	x	-	-	x	-	-
250	x	395	26	x	405	32	x	406	30
300	x	445	26	x	460	32	x	483	32
350	x	505	28	x	520	36	x	533	35

* Not mentioned in standardised serie covered by ISO7005.
END-FLEX® flanges are specific for each hose.