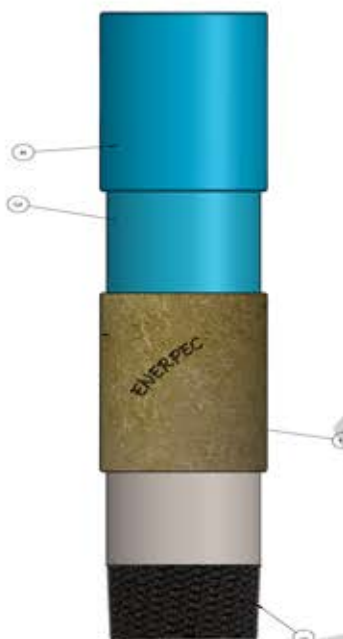


Drilling Accessories



Dielectric Fitting



In most of water well design its needed to join carbon steel tube casing to stainless steel screen or pipe without using dielectric coupling, an electro-chemical reaction occurs corroding in fast way the lowest quality joint.

ENERPEC Dielectric Coupling prevents electro-galvanic corrosion which can occur between two dissimilar metals.

Dielectric coupling are available in different sizes from 4^{1/2} to 24" according to API-5CT end threads.

Any other connection type and sizes are available.

Dielectric Fitting Parts List

Item nb.	Item name	DESCRIPTION	QTY
1	Double threaded male fitting	Stainless Steel	1
2	Dielectric coupling	Dielectric material	1
3	Double threaded male casing	BlackSteel	1
4	Double threaded female casing	BlackSteel	1

Casted Reducer

Our casing casted crossover coupling are manufactured in accordance to API-5CT with material grade N80 and J55 stainless steel is available.

Our casing crossovers are configured in a variety of size with customized threads connection.

Our standard dimensions:

Casted reducer standard dimensions			
Box	Pin	Box	Pin
in		mm	
13 ^{3/8}	9 ^{5/8}	339,7	244,5
13 ^{3/8}	10 ^{3/4}	339,7	273,1
9 ^{5/8}	8 ^{5/8}	244,5	219,1
8 ^{5/8}	6 ^{3/8}	219,1	168,3



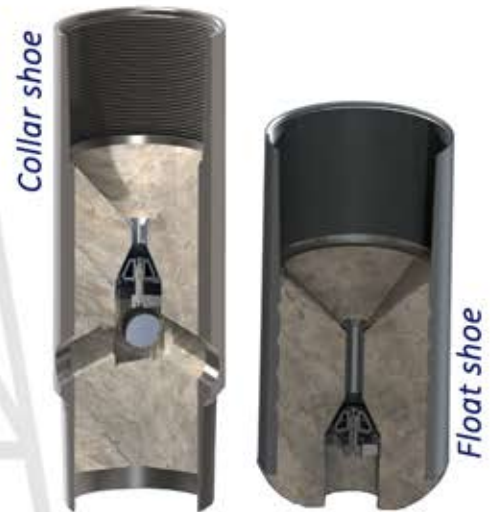


Float Shoe

A float shoe is a guide shoe coupled to the first running joint of casing. It includes an open end or a side port for enabling mud circulation and cement placement.

The float shoe is designed to get a back pressure valve that prevents mud entering in the casing at the lowering operation and casing contamination after cement placement.

Nominal casing Size (in)	O.D. (in)	I.D. (in)	Collapse (psi)
4 ^{1/2}	5	4,031	9600
6 ^{5/8}	7,5	6,12	9400
7 ^{5/8}	8,5	6,969	9000
8 ^{5/8}	9,625	8,017	8400
9 ^{5/8}	10,625	8,921	8100
10 ^{3/4}	11,75	10,05	7350
13 ^{3/8}	14,375	12,615	5850



Centralizer

This mechanical device is mounted around the casing to maintain it in the borehole center.

ENERPEC's single bow spring centralizer is manufactured as per API-10D and not welded and considered as the popular style.

Double bow spring centralizer are also available



Centralizer Size (in)	20	18 ^{n5/8}	16	14	13 ^{n3/8}	12 ^{n3/4}	10 ^{n3/4}	9 ^{n5/8}	7 ^{n5/8}	7	6 ^{n5/8}	5 ^{n1/2}	5	4 ^{n1/2}
Casing Size (in)	20	18 ^{n5/8}	16	14	13 ^{n3/8}	12 ^{n3/4}	10 ^{n3/4}	9 ^{n5/8}	7 ^{n5/8}	7	6 ^{n5/8}	5 ^{n1/2}	5	4 ^{n1/2}
Open Hole Size (in)	24-26	22-24	20-22	18	17 ^{n1/2}	17 ^{n1/2}	12 ^{n1/4}	12 ^{n1/4}	9 ^{n7/8}	8 ^{n1/2}	8 ^{n1/2}	8 ^{n1/2}	6 ^{n1/2}	6
Max. O.D. (mm)	714	680	613	484	470	466	370	375	273	252	245	256	190	181