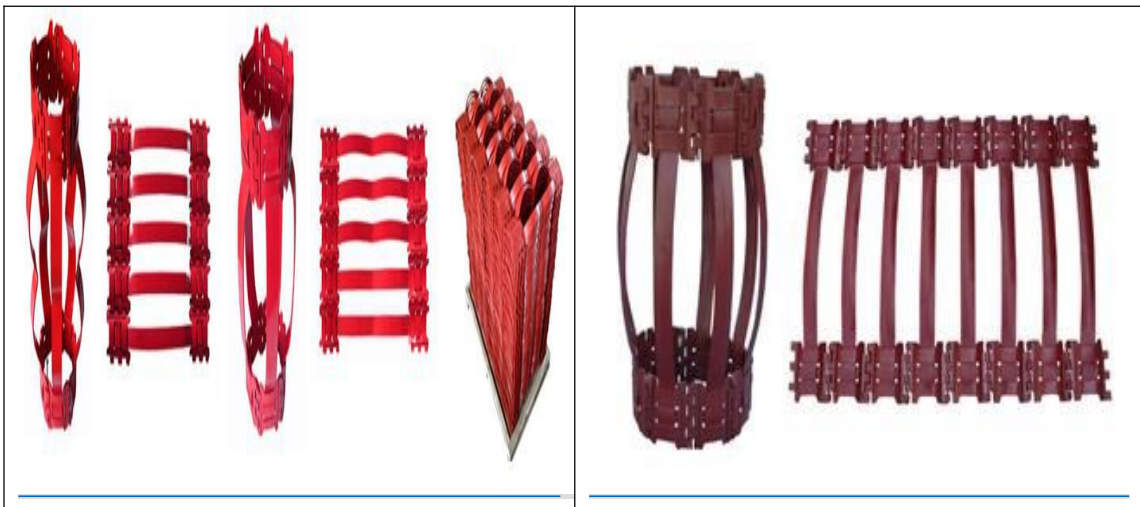


Centralizer

A device fitted with a hinged collar and bowstrings to keep the casing or liner in the center of the wellbore to help ensure efficient placement of a cement sheath around the casing string. If casing strings are cemented off-center, there is a high risk that a channel of drilling fluid or contaminated cement will be left where the casing contacts the formation, creating an imperfect seal.



TFZ series Casing Centralizer including spring centralizer and rigid centralizer. Suitable for onshore and offshore operations.

Details

The TFZ series casing centralizer were developed to provide the market with more reliable technology and more hoisting performance. We supply non-welded single bow spring centralizer, and double-bow spring centralizer with high reliable quality. Rigid casing centralizer enables casing to run easily in wellbore with its stream-lined shape. Included but not limited by the advantages mentioned, TFZ series casing centralizer might be your best choice.

General Features

- Manufactured according to API 10D
- Suitable for cold area and desert environment
- Suitable for onshore or offshore operations
- Wide range of selection for different operations
- Super-strengthened spring steel
- Model processing, no rivet, no welding

Main aramaters

Size: 4-1/2" – 20" (114 mm - 508 mm)

Parameters:

Non-welded Bow Spring Centralizer

Size (in)	Casing Size (in)	Open Hole Size (in)	Max. O.D. (mm)
20	20	24 26	650 714
18-5/8	18-5/8	22 24	590 680
16	16	20 22	550 613
14	14	18	484
13-3/8	13-3/8	17-1/2	470
12-3/4	12-3/4	17-1/2	466
10-3/4	10-3/4	12-1/4	370
9-5/8	9-5/8	12-1/4	375
7-5/8	7-5/8	9-7/8	273
7	7	8-1/2	252
6-5/8	6-5/8	8-1/2	245
5-1/2	5-1/2	8-1/2	256
5	5	6-1/2	190
4-1/2	4-1/2	6	181

Rigid Centralizer

Size (in)	I.D. (mm)	Max. O.D. (mm)	Height (mm)
13-3/8	343	400	130
10-3/4	276	308	120
9-5/8	247	308	120
7-5/8	197	243	120
7	180	212	120
5-1/2	143	213	120
5	130	151	120
4-1/2	117	148	100
4	104	118	80