

Casing Centralizer

A mechanical device that keeps casing from contacting the wellbore wall. A continuous 360-degree annular space around casing allows cement to completely seal the casing to the borehole wall. There are two distinct classes of centralizers. The older and more common is a simple, low-cost bow-spring design. Since the bow springs are slightly larger than the wellbore, they can provide complete centralization in vertical or slightly deviated wells. However, they do not support the weight of the casing very well in deviated wellbores. The second type is a rigid blade design. This type is rugged and works well even in deviated wellbores, but since the centralizers are smaller than the wellbore, they will not provide as good centralization as bow-spring type centralizers in vertical wells. Rigid-blade casing centralizers are slightly more expensive and can cause trouble downhole if the wellbore is not in excellent condition.



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. 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-strengthen 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)聽	Open Hole Size (in)聽	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

聽

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