

OBH-W WELDED, HINGED, BOW SPRING CENTRALIZER

ENGINEERING SOLUTIONS FOR LESS CHALLENGING WELLS

The OBH-W is a hinged, welded bow spring centralizer designed with a new hinge that tests stronger than competitors.



The OBH-W hinged centralizer features heat-treated, spring-steel bows which are welded to rigid high strength end bands for optimized stand-off in less challenging wells.

The OBH-W utilizes Centek's unique metallurgy and heat treatment process to develop strength and flexibility. Minimal start and running forces ease the casing to TD.

Tested to Centek inhouse protocols, the OBH-W centralizer consistently provides superior performance.



It is designed for onshore, vertical and slightly deviated applications where an economic solution is preferred but performance is expected. Can be used over casing couplings

STOP COLLARS

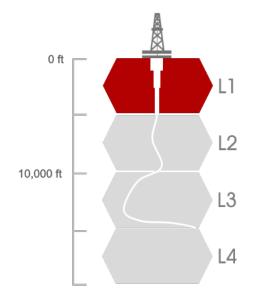
The OBH-W has a corresponding range of high strength hinged stop collars.

TARGETED APPLICATIONS

load strength of our OBW non-hinged product.

- Vertical wells
- Slightly deviated sections of the wellbore
- Onshore
- Applications where slip-on centralizer can't be used





PRODUCT OVERVIEW



As with Centek's other hinged products, the OBH-W can be nested on a pallet, taking up to 66% less space than its non-hinged counterpart. This can reduce transportation and storage costs by up to 30%. In addition, the unique integrated hinge ensures a quick installation process.

KEY PRODUCT BENEFITS

- Designed to exceed API 10D
- Good centralization in less challenging wells
- Economic choice / high performance
- · Can be used over casing collars

| CORE PRODUCT SIZING* | PART NUMBER | | | | | |
|--|----------------|-------------|--|--|--|--|
| | Standard | | | | | |
| Product Size | Centralizer | Stop Collar | | | | |
| 4-1/2" ID for use in 6" Hole | 0412-0600OBH-W | 0412-00SH | | | | |
| 4-1/2" ID for use in 6-1/2" Hole | 0412-0612OBH-W | 0412-00SH | | | | |
| 5" ID for use in 6-1/2"- 6-3/4" Hole | 0500-0612OBH-W | 0500-00SH | | | | |
| 5-1/2" ID for use in 6-1/2"- 6-3/4" Hole | 0512-0634OBH-W | 0512-00SH | | | | |
| 5-1/2" ID for use in 7-7/8" Hole | 0512-0778OBH-W | 0512-00SH | | | | |
| 5-1/2" ID for use in 8-1/2" - 8-3/4" Hole | 0512-0834OBH-W | 0512-00SH | | | | |
| 7" ID for use in 8-1/2"- 8-3/4" Hole | 0700-0834OBH-W | 0700-00SH | | | | |
| 7-5/8" ID for use in 9-1/2 "- 9 -7/8" Hole | 0758-0978OBH-W | 0758-00SH | | | | |
| 9-5/8" ID for use in 12-1/4" Hole | 0958-1214OBH-W | 0958-00SH | | | | |
| 10-3/4" ID for use in 13-1/2" Hole | 1034-1312OBH-W | 1034-00SH | | | | |
| 13-3/8" ID for use in 17-1/2" Hole | 1338-1712OBH-W | 1338-00SH | | | | |
| 20" ID for use in 26" Hole | 2000-2600OBH-W | 2000-00SH | | | | |
| 22" ID for use in 26" Hole | 2200-2600OBH-W | 2200-00SH | | | | |
| 26" ID for use in 30" Hole | 2600-3000OBH-W | 2600-00SH | | | | |

^{*}custom sizes are available. Speak to your sales representative for more information.

FULL STRING SOLUTION

| WELL TYPE | ONSHORE | | | | ONSHORE + OFFSHORE | | | UNDER-REAM / OFFSHORE | | |
|------------------------|--------------------------|---------------------|------------------|--------|--------------------|--------------------------|--------------|--------------------------|-------------------------------|--------------------------------|
| WELL LEVEL | LI | | | L1+L2 | (L1+L2)+L3 | | | (L3+L4) | | |
| | OSN | ОВН | OBH-W | OBW | OBS-2 | \$2-HD | \$2 | S2 Hinged | TUR (Includes variants) | UROS (Includes variants) |
| PRODUCT NAME & TYPE | SOLID BODY BOW SPRING | | | | | | | | | |
| | Pressed bows | Non-welded hinge | Welded, hinge | Welded | Single piece | Heavy duty, single piece | Single piece | Hinged | Single piece | Single piece |
| FLEXIBILITY (0-8) | 0 | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 8 | 8 |
| RUNABILITY (0-8) | 5 | 4 | 5 | 5 | 7 | 7 | 8 | 8 | 8 | 8 |
| STRENGTH (0-8) | 8 | 4 | 5 | 5 | 6 | 8 | 7 | 7 | 7 | 7 |

For more information talk to our Global Sales team today or use our Product Selector Tool to find the right product for your application – sales@centekgroup.com