



Standard Subsea Wellheads

Integrated offshore offering for reliable, high-quality, and capital-efficient performance



OneSubsea

A Schlumberger Company

Standard Subsea Wellheads

Through standardized processes, common core components, and qualified, field-proven assemblies, OneSubsea can deliver standard subsea wellheads anywhere in the world **within 6 months.**

These highly configurable solutions are designed to bring greater efficiency and reliability to subsea operations, enabling project viability and helping you meet a range of functionality requirements while driving down capex.



Advantages

Since 1960, OneSubsea has developed a legacy of efficient wellhead delivery, supplying more than 1,000 wellheads around the globe. Our wellheads are engineered with robust, reliable technologies that can be complemented with expert services to maximize capital efficiency and further expedite delivery.

Flexible Functionality

The OneSubsea wellhead portfolio covers a broad range of applications. WellAnchor* subsea wellhead systems feature trip-reducing, high-capacity components that are interchangeable for maximized versatility. The DW-5 and DW-5XL models are rated to

- 15,000-psi [1,034-bar] pressure
- 5,250,000-ft.lbf [7,118,000-N.m] bending force
- 10,000-ft [3,048-m] water depth

and the DW-5XL model accommodates large bores.

The standard wellhead is built from a suite of preauthored quality control, material, and welding specifications that simplify and expedite our execution processes. OneSubsea works with approved vendors to ensure that they can manufacture the required components, enabling high confidence in quality and lead time.

Quality Control

The QC requirements for the wellheads are in accordance with API Specifications 6A and 17D. Our facilities are certified to API Q1, and our strategic subcontractors are certified to ISO 9001. Surveillance by independent competent bodies facilitates preengineering of materials, which enables preordering and, in certain cases, stocking them to secure lead time and protect schedule. Surveillance by customers is available during factory-acceptance testing.

Materials

All material specifications used conform to API 6A and API 17D and were chosen on a component-by-component basis. Pressure-containing components additionally conform to DNV GL recommended practices (RP) for steel forgings for subsea applications (DNVGL-RP-0034). A range of standardized material options is available based on component criticality, manufacturability, and environmental compatibility.



Welding

Our welding procedure for subsea wellheads conforms to API 6A, API 17D, ASME Section IX, NACE MR0175/ISO 15156, and DNVGL-RP-C203 fatigue classes F3, D, or C1.

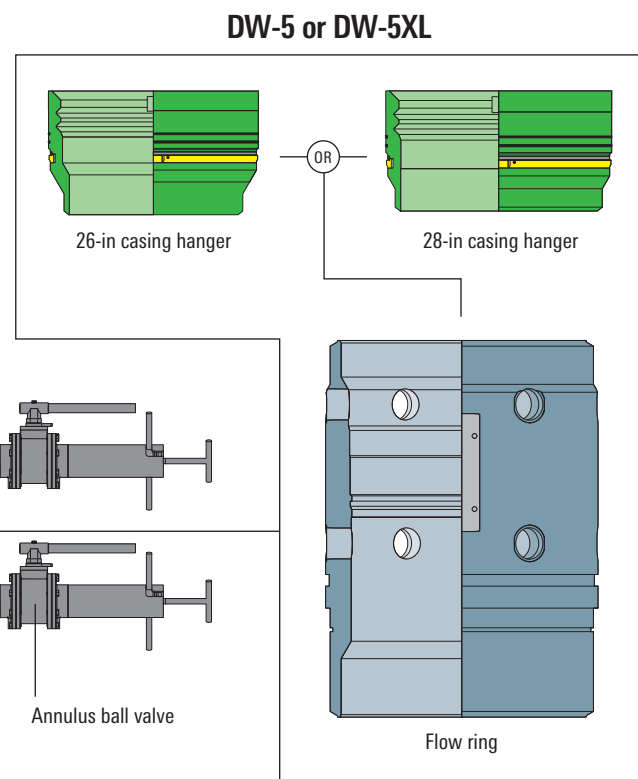
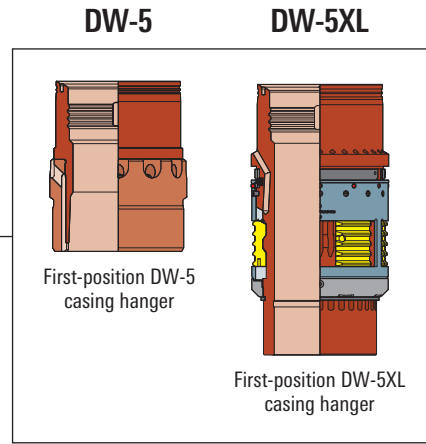
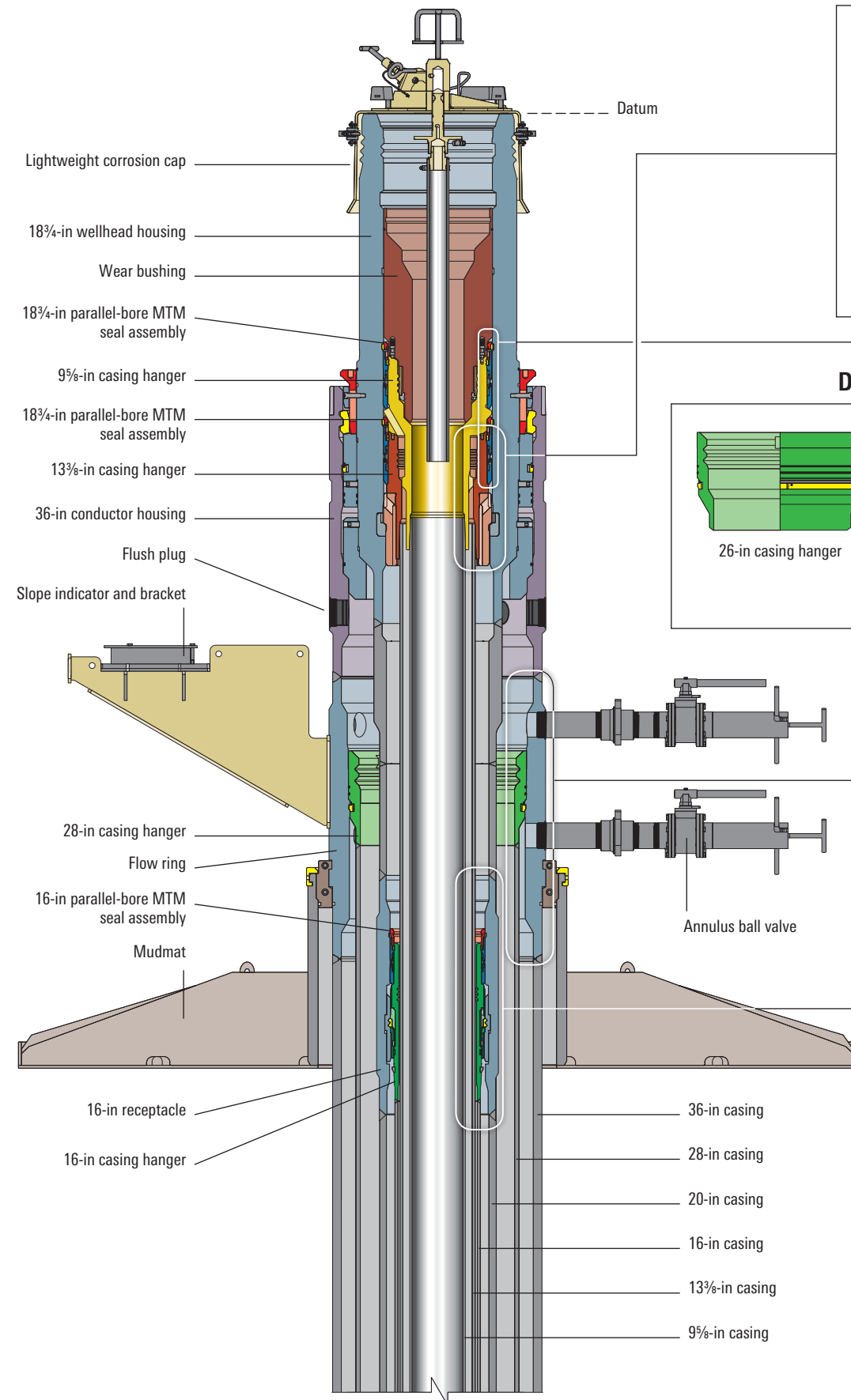
Weld options

- Automated welding
- Weld reinforcement
- Automated flush grinding of weld joint[†]

[†] Fatigue class C1 only

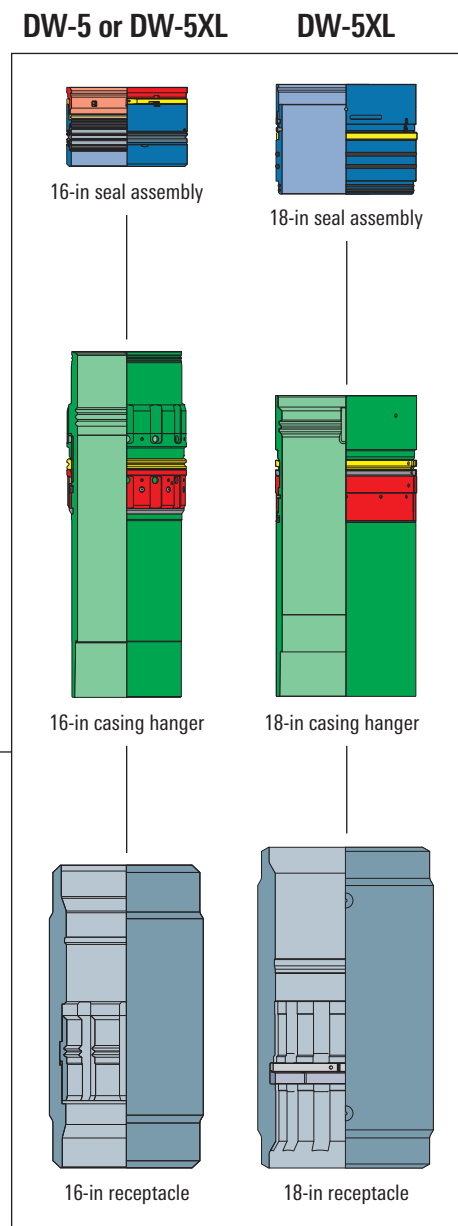


18³/₄-in WellAnchor Subsea Wellhead System Models



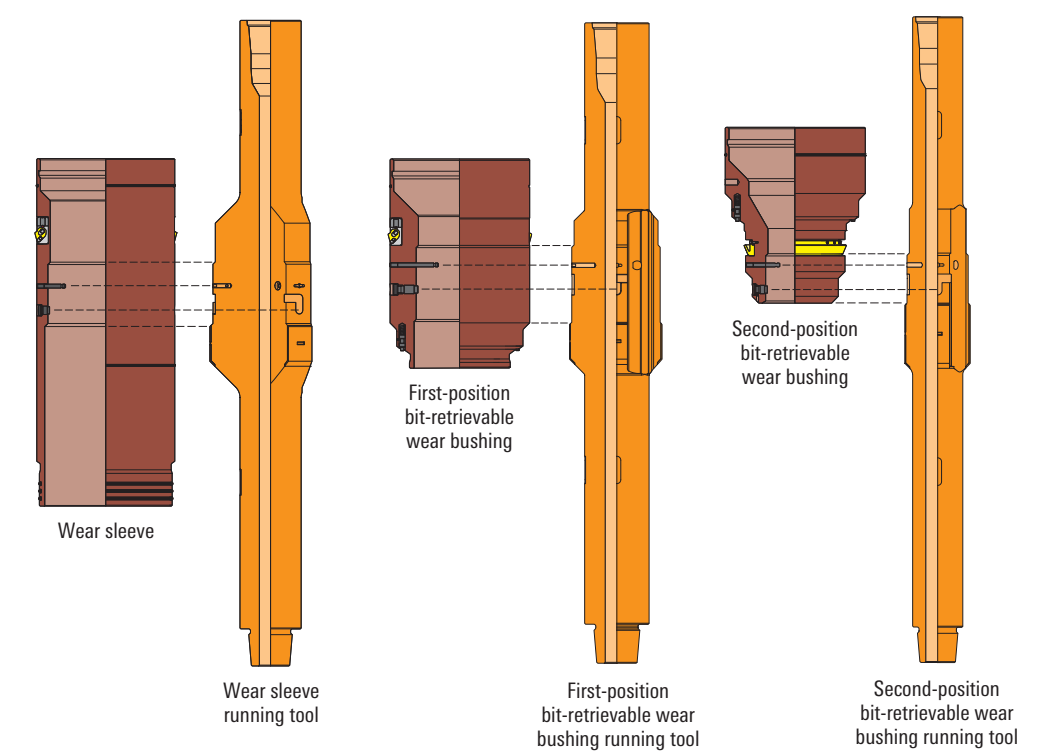
18³/₄-in Parallel-Bore Metal-To-Metal (MTM) Seal Assembly

MTM Assembly Specifications	
Pressure rating, psi [bar]	15,000 [1,034]
Lockdown capacity, lbf [N]	1,000,000 [4,448,222]
Temperature range, degF [degC]	0 to 300 [-18 to 148.9]
Overall height, in [mm]	12.92 [328.2]
Maximum OD, in [mm]	18.59 [472.2]
Minimum ID, in [mm]	16.91 [429.5]
Weight, lbm [kg]	135 [61]



Bit-Retrieveable Wear Bushings

Extreme efficiency for deepwater drilling by reducing downhole trips



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onesubsea.slb.com/standardization

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