

RapidX

TAML 5 high-strength, hydraulic-sealed multilateral junction

APPLICATIONS

- Wells with TAML 5 specifications
- Wells needing sand, water, and gas control
- Reservoirs with different pressure and flow regimes
- Wells needing increased reservoir drainage
- Infill wells in mature assets with slot constraints
- Layered, compartmentalized, or faulted reservoirs
- New and reentered oil or gas wells, producers, or injectors
- Vertical, deviated, or horizontal wells

BENEFITS

- Reduces risks, time, and costs due to operational simplicity

FEATURES

- Available in 7-in, 9 $\frac{5}{8}$ -in, and 10 $\frac{3}{4}$ -in main bore casing sizes
- Continuous locking rail that provides ultrahigh-strength junction
- Fully stackable
- Selective reentry to both laterals with wireline, coiled tubing, or drillpipe
- Internal and external pressure integrity up to 2,500 psi [17,237 kPa] at junction
- Capability of being integrated with flow control valves or pressure gauges or both, if required
- Compatibility with all sandface completions
- No casing orientation requirement
- Flexible junction placement
- Full retrievability
- Premium connections

The RapidX* TAML 5 high-strength, hydraulic-sealed multilateral junction provides pressure isolation to 2,500 psi [17,237 kPa]. This field-proven, strong, reliable, and robust technology combines simple installation with junction flexibility. The junction features a specially designed seal combined with a continually interlocking rail system to create one of the strongest level 5 junctions in the industry.

This junction provides formation stability at the casing exit and is well suited for unstable and caprock applications.

After a systematic quantitative risk assessment to identify the best location, the RapidX junction can be used for new or reentered wells that have different regimes requiring inflow control.



RapidX TAML5 high-strength, hydraulic-sealed multilateral junction.

RapidX Junction Specifications

Casing size, in	7	9 $\frac{5}{8}$	10 $\frac{3}{4}$
Casing weight, lbm/ft [kg/m]	23–29 [34.22–43.25]	40–53.5 [59.52–79.60]	50.50–60.70 [75.15–90.33]
Main bore ID, in [mm]	2.635 [66.68]	4.421 [112.29]	6.008 [152.60]
Lateral hole, in [mm]	6.125 [155.6]	8.500 [215.90]	8.500, 9.500 [215.90, 241.30]
Lateral ID, in [mm]	2.312 [58.72]	3.958 [100.50]	4.750 [120.65]
Pressure rating, psi [kPa]	2,500 [17,237]	2,500 [17,237]	950 [6,550]
Window type	Milled casing exit	Milled casing exit	Milled casing exit
TAML level	5	5	5