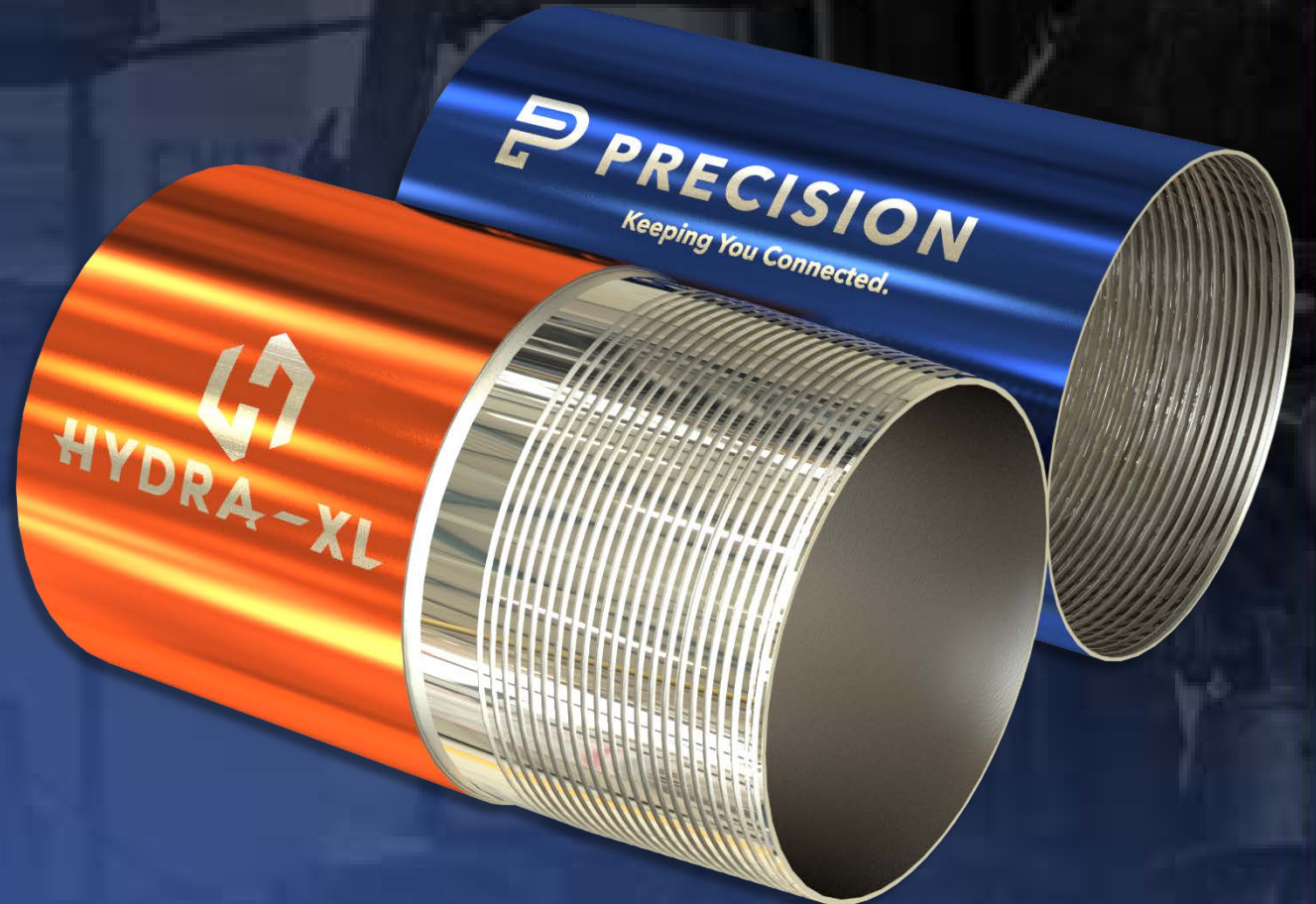




HYDRA-XL



HELLO

Precision is dedicated to the development of new premium and semi premium connections to meet the challenges of horizontal well completions. We provide classic and innovative ways to keep your tubing and casing connected tighter, safer, and stronger. This allows you to maintain schedules, drastically reduce safety concerns and save on operational costs. Whether you are looking for API couplings, semi-premium or premium connections, we've got you covered.



CONTACT

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Pipe Body

Nominal OD	7.625 inches
Nominal Weight	29.70 lb/ft
Wall Thickness	0.375 inches
Plain End Weight	29.04 lb/ft
Standard Drift	6.750 inches
Nominal ID	6.875 inches
Critical Section Area	8.541 in ²

Connection

Connection OD	7.625 inches
Make Up Loss	5.434 inches
Critical Section Area	5.979 in ²
Internal Pressure Rating	80% API
External Pressure Rating	100% API
Tension Efficiency	70%
Compression Efficiency	70%

The performance properties given in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or wall defects.

CONNECTION DATA

L80				P110				P110 EB / Q125			
Yield Load	Reference Depth	Optimum Torque	Max Torque	Yield Load	Reference Depth	Optimum Torque	Max Torque	Yield Load	Reference Depth	Optimum Torque	Max Torque
(Lbs)	(Ft.)	(Ft-Lbs)	(Ft-Lbs)	(Lbs)	(Ft.)	(Ft-Lbs)	(Ft-Lbs)	(Lbs)	(Ft.)	(Ft-Lbs)	(Ft-Lbs)
478,307	10,900	5,750	14,600	657,673	15,000	7,900	20,050	747,355	17,100	9,000	22,800

Reference depth includes a 1.5 design factor. However, it does not consider bending, temperature, buoyancy or other load considerations.)

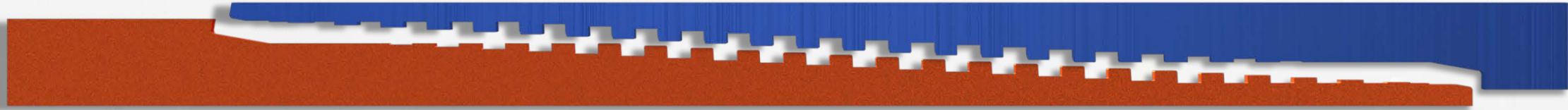
$$\text{Reference Depth} = \text{Yield Load} / (\text{PE Wt./Ft}) * (1.5)$$



PRECISION

HYDRA-XL

Was designed to provide maximum sealing and strength in an economical design.



- Designed for plain end pipe with externally and internally flush profiles. Does not require swaging.
- A true double shoulder design for torque capacity. Reduced sensitivity to over-torque.
- Internal & External Radial Metal Seals & OD and ID Torque Energized Face Seals.



PRECISION

HYDRA-XL



Tensile and Compressive strength are designed to 70% of pipe body ratings.



Internal Pressure is rated to 80% of pipe body internal yield pressure.

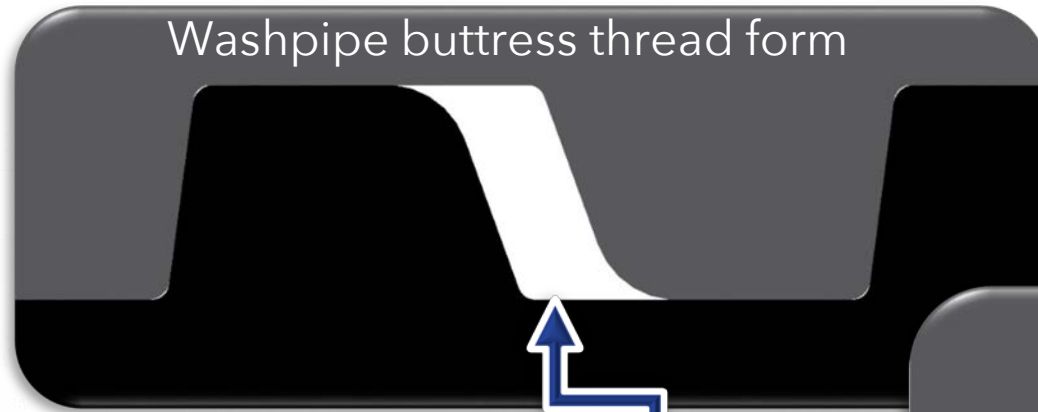


Collapse resistance equal to API collapse pressures or proprietary grade collapse pressures.



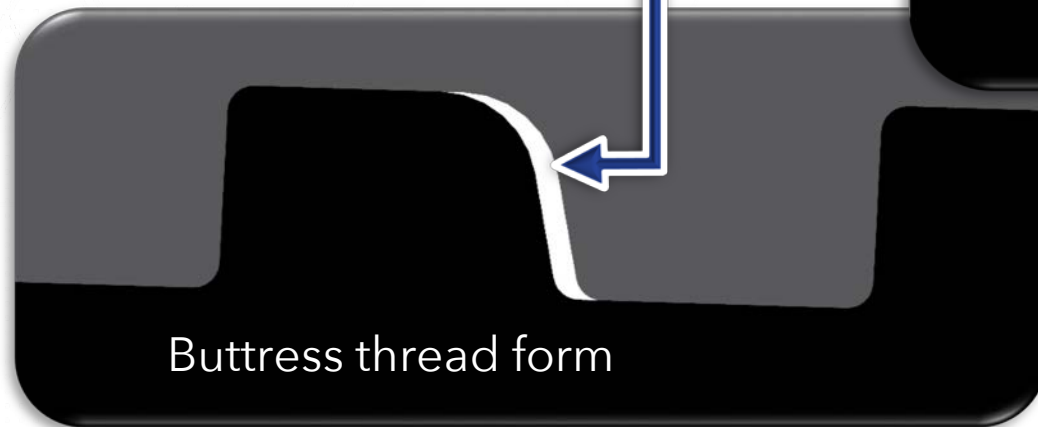
PRECISION

Patented Leak Tight Thread Form



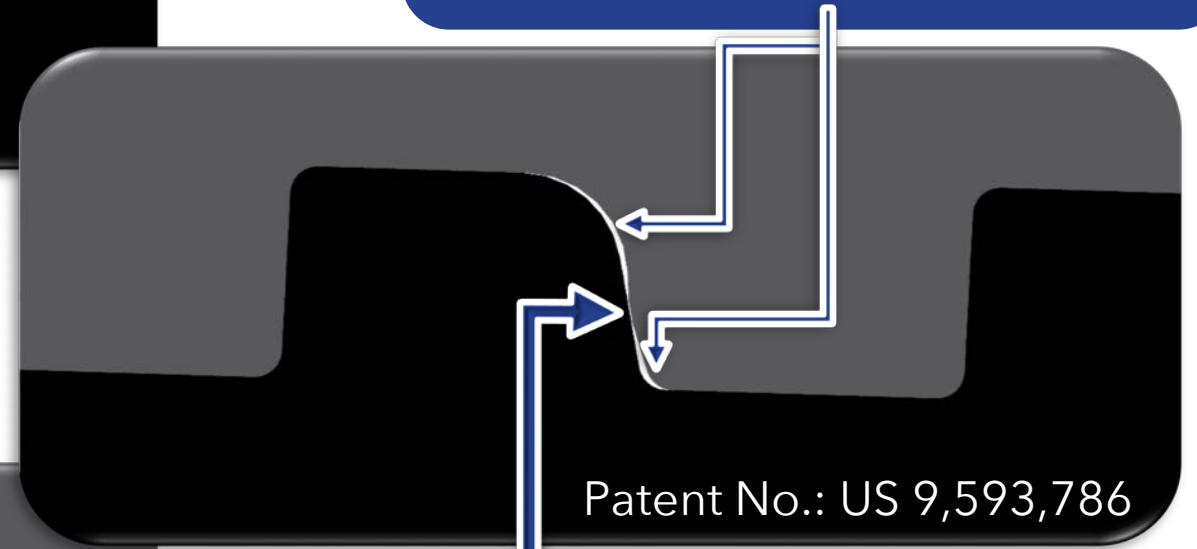
Washpipe buttress thread form

GAP
Leak Path



Buttress thread form

Reduces thread gap and Splits the thread compound into 2 flow path regions.



Patent No.: US 9,593,786

Non contacting separation at the apex to restrict flow and aid sealing.



PRECISION

Patented Leak Tight Thread Form

Tight Contact: Contacts on 3 of the 4 possible mating surfaces. 

Square threads for deep stabbing and easy make up. 

Tight thread spacing for sealing. 

 Tight to restrict movement in a bend or compression.

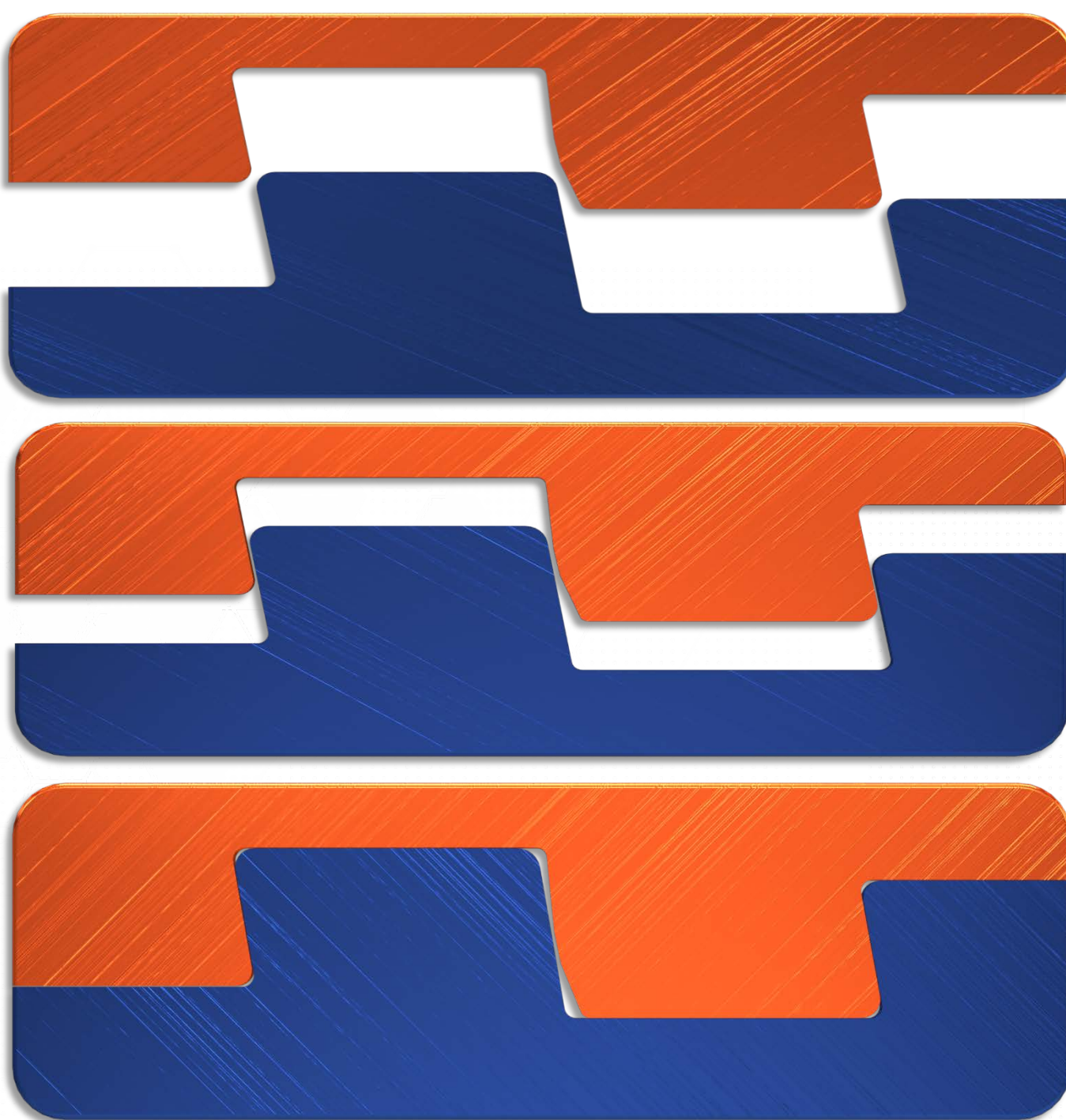


 Uses taller Square Stepped Threads. Flat Crests and Roots.

 Negative load flanks for bending and jumpout resistance.



PRECISION



Thread Assembly

Square stepped threads assemble quickly. They are resistant to bind up.

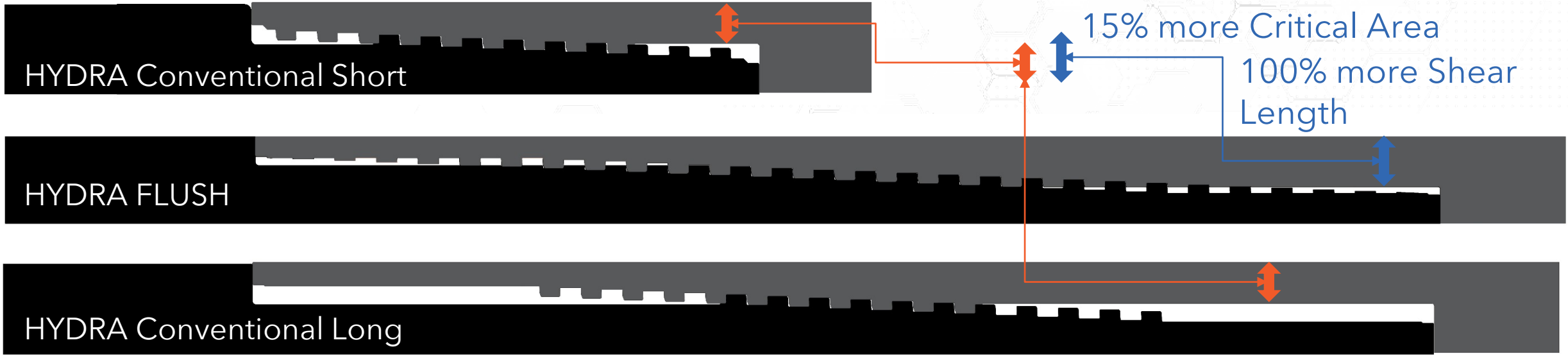
They stab deep just like tapered threads for stable make ups.

Fewer threads per inch for a faster stab and makeup.

Thin Wall: 8 pitch VS 10.
Medium Wall: 6 pitch VS 8.
Thick Wall: 5 pitch VS 4.



PRECISION



Specialized Run-In/Run Out threads:

Maximize critical area. From 45% to 70%.

Increase compressive and tensile & shear strength.

Allow taller threads, steeper tapers and fewer threads per inch.

Require square threads for proper interlocking.



PRECISION



The HYDRA-XL underwent rigorous make up, pressure and load testing trials

It is a first of its kind flush connection with radial metal seals that can be formed on plain end pipe without swaging.



◆ CASING

- ◆ Special Clearance
- ◆ Premium Flush/Semi-Flush cutoff & rethread
- ◆ Liners
- ◆ Disposal Wells



THANK YOU.

CONNECT WITH PRECISION TODAY.

713.678.8900

QUESTIONS?