

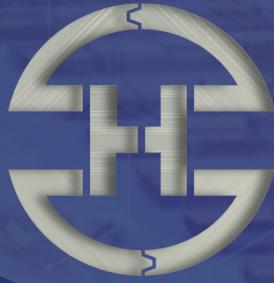
PRECISION

*Keeping You Connected.*



HOSS

**TIGHTER. SAFER. STRONGER.**



# HOSS

**TIGHTER.**  
**SAFER.**  
**STRONGER.**

## HORIZONTAL SHALE SERVICE

Everything You Know About Casing  
Only Better; Patented & Innovative  
Premium Connections.

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# HOSS

**TIGHTER. SAFER. STRONGER.**



# PRECISION



## HOSS

### A FEW WORDS ABOUT US...

Precision is dedicated to the development of new premium and semi premium connections to meet the challenges of horizontal well completions. Fracing pressures, high loads, and extreme torque requirements have pushed past the limits of first generation connections, API and premium casing connections. Precision has developed groundbreaking, patented and field-proven solutions to meet your needs and allow you to excel in the field, increase production, and minimize risk.

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 coupling, semi-premium or premium connections, we've got you covered.

# Keeping You Connected.

*Keeping You Connected.*



## HOSS®, THE LEADER IN PREMIUM CONNECTIONS

This specialty premium connection was engineered specifically for horizontal shale service. The HOSS® premium connection was designed to withstand higher torques, severe bends and higher frac pressures. The tightly knit screw threads are manufactured to microscopic precision to resist bending fatigue and create a secondary pressure barrier. With the new HOSS® premium connection, you get low hoop stresses in critical areas to resist fatigue from rotating and bending under high torque. This translates to more time rotating in high doglegs at high RPM while maintaining maximum seal ability. It provides 100% tensile and compressive strength on thicker high collapse pipe without resorting to high-dollar, high-grade couplings. Maximum sealing is achieved with a contoured radial surface trapped in a reverse angle torque shoulder. The contour allows the seal to bend with the pipe. This is the premium connections the drilling community has been looking for and will excel in shale environments.



### THE DESIGN DIFFERENCE

The reverse-angle pin nose to box shoulder allows for higher bending and structural compression loads while maintaining its seal under high torque.

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# THE HOSS® DIFFERENCE



**TIGHTER.**

Designed to retain high performance gas tightness after rotating and fracturing.

Tested and sealed tight, preventing leakage of well-bore fluids and gases, exceeds pipe body ratings.

**SAFER.**

**STRONGER.**

Stronger than the pipe body. Designed for bending, rotating and reciprocating through horizontal sections.

## THE HOSS® IS RECOMMENDED FOR:

- Production Casing
- Intermediate Casing
- Drilling with Casing
- Rotating while Cementing
- Steam Injection
- SAGD

It is not recommended for offshore applications since it is optimized for shale service.

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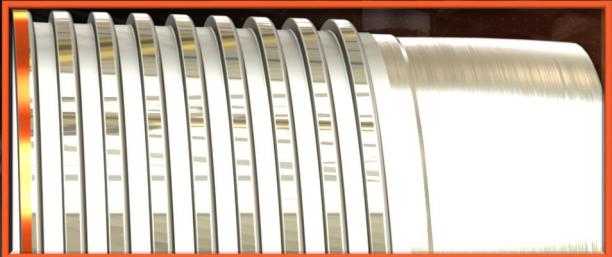


## SEALING



The thicker coupling can take higher frac pressures and supports thicker wall pipe with 100% matched pipe strength. It also provides more strength when utilizing high collapse or enhanced burst strength pipe.

## THREADING



The HOSS® provides 100% tensile and compressive strength on thicker and higher yield pipe. Using a tightly knit thread the HOSS® creates a barrier to pressure penetration and stabilizes the radial seals.

## TORQUE



The HOSS® uses contoured radial metal pin seals and a reverse angle torque shoulder providing a higher contact area with the coupling while counteracting high torque loads.





# HOSS

**TIGHTER. SAFER. STRONGER.**

# 100%

**Tension** and compressive strength  
for extreme premium performance.

# 33%

## Higher Torque

The reverse angle torque shoulder allows for a higher torque connection than the competition offers.

# 100%

## Better Sealing Capabilities

Exceeds API and pipe body yield strength.

**P**  
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*Keeping You Connected.*

## YOU SHOULD KNOW...

- **OVER-TORQUE:** The HOSS® features better over-torque characteristics which keeps the coupling intact and provides a better chance of drift-ability past yield.
- **LOW HOOP STRESS:** Knowing that hoop stress is a slightly salty, acidic, or sour environment is detrimental, due to it's low hoop stress, a HOSS® will remain intact.
- **DURABLE SEALING:** The reverse angle pin nose to box shoulder contact allows for higher bending loads and structural compressive loads while maintaining it's seal.
- **TRAPS THE SEAL:** A HOSS® traps the seal area to prevent high torque from collapsing the pin nose. The reverse angle also counteracts the included angle of the taper and load flank.





## HOSS® WORKS THE WAY YOU DO.

With our tighter & stronger connector,  
HOSS® keeps your completions on  
time, every time.

SIZE	WEIGHT	WALL	DRIFT Dia.	Grade	Coupling Dia.	Pipe and Connection ID	Coupling Length	Make Up Loss	Torque (ft-lbf)		Yield Strength (x 1000lbs)		Yield Pressure (PSI)	
									Optimum	Yield	Tensile	Compression	Internal	Collapse
4.5	13.50	0.290	3.795	HC P-110	5.250	3.920	10.339	4.857	5,400	15,000	422	422	12,410	12,290
4.5	13.50	0.290	3.795	P110 EB	5.250	3.920	10.339	4.857	6,150	17,050	479	479	14,100	12,290
4.5	15.10	0.337	3.701	HC P-110	5.250	3.826	10.339	4.857	5,600	15,550	485	485	14,420	16,490
4.5	15.10	0.337	3.701	P110 EB	5.250	3.826	10.339	4.857	6,350	17,650	551	551	16,380	16,490
5	18.00	0.362	4.151	HC P-110	5.750	4.276	10.589	4.982	7,550	21,000	580	580	13,940	15,490
5	18.00	0.362	4.151	P110 EB	5.750	4.276	10.589	4.982	8,600	23,850	659	659	15,840	15,490
5.5	20.00	0.361	4.653	HC P-110	6.300	4.778	10.713	5.044	11,500	32,000	641	641	12,640	12,770
5.5	20.00	0.361	4.653	P110 EB	6.300	4.778	10.713	5.044	13,100	36,350	729	729	14,360	12,770
5.5	23.00	0.415	4.545	HC P-110	6.300	4.670	10.713	5.044	14,050	39,000	729	729	14,530	16,720
5.5	23.00	0.415	4.545	P110 EB	6.300	4.670	10.713	5.044	15,950	44,300	829	829	16,510	16,720
6	24.00	0.400	5.075	HC P-110	6.875	5.200	11.088	5.232	9,350	26,000	774	774	12,830	13,180
6	24.00	0.400	5.075	P110 EB	6.875	5.200	11.088	5.232	10,650	29,550	880	880	14,580	13,180
7	26.00	0.362	6.151	HC P-110	7.875	6.276	11.463	5.419	12,800	35,500	830	830	9,960	7,540
7	26.00	0.362	6.151	P110 EB	7.875	6.276	11.463	5.419	14,500	40,350	944	944	11,310	7,540
7	29.00	0.408	6.125	HC P-110	7.875	6.184	11.463	5.419	15,300	42,500	929	929	11,220	9,810
7	29.00	0.408	6.125	P110 EB	7.875	6.184	11.463	5.419	17,400	48,300	1056	1056	12,750	9,810
7	32.00	0.453	6.000	HC P-110	7.875	6.094	11.463	5.419	17,650	49,000	1025	1025	12,460	12,400
7	32.00	0.453	6.000	P110 EB	7.875	6.094	11.463	5.419	20,000	55,700	1165	1165	14,160	12,400
9.625	40.00	0.395	8.750	L-80	10.625	8.835	12.088	5.731	14,400	40,000	916	916	5,750	3,090
9.625	43.50	0.435	8.599	L-80	10.625	8.755	12.088	5.731	16,850	46,800	1005	1005	6,330	3,810
9.625	47.00	0.472	8.525	L-80	10.625	8.681	12.088	5.731	19,000	52,750	1086	1086	6,870	4,750
9.625	53.50	0.545	8.500	L-80	10.625	8.535	12.088	5.731	20,000	64,750	1244	1244	7,930	6,620
9.875	62.80	0.625	8.469	Q-125	10.750	8.625	12.088	5.731	20,000	92,600	1975	1975	13,840	11,820

ASK US ABOUT YOUR CUSTOM SOLUTION TODAY

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