



# PRECISION

*Keeping You Connected.*

SEMI  
PREMIUM CONNECTIONS

FIELD TESTED. FIELD PROVEN.







**SEMI**  
**PREMIUM CONNECTIONS**  
FIELD TESTED. FIELD PROVEN.

**INNOVATIVE DESIGN.**  
**TIGHTER SEALING.**  
**STABILITY.**

**IMPROVED BUTRESS SEALING**

Through innovative changes in design, the BK creates tighter threaded sealing, and pin nose seal stabilization.

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



OFFERS A  
**FASTER** AND MORE  
**CONSISTENT** INSTALLATION

BK is a third-generation, semi-premium connection, designed for frac strings for oil and gas production.

Unlike the first-generation designs, which were primarily for drilling with casing in shallow vertical wells, the BK was developed to address the concerns of running crews and operators. It is BTC-compatible for cost savings on hangars, float shoes, float collars, crossovers and custom tools. It provides improved buttress sealing through innovative changes in design to create tighter, threaded sealing, and pin nose seal stabilization.



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# EXPERIENCE

# TRUE INNOVATION



The BK is available in traditional API coupling, OD sizes, and matched strength sizes to give **100 % tensile strength** for deeper and more demanding wells.

The BK has been field-proven and is backed up by lab testing. Precision works with certified third-party representatives to install the BK connections. Technical expertise and support is provided by Mr. Michael Nations, inventor of the BK and Engineering Manager at Precision. Mr. Nations has attended past installations of the BK to provide support and guidance in the field.

## Strength and High Torque Resistance

Precision's philosophy centers around providing the most innovative products on the market, coupled with unparalleled, excellent customer service. Mr. Nations attends our initial installations of the BK to ensure premium, personalized customer service and support to clients.

Pin nose to pin nose contact allows for higher bending loads and structural compressive loads while maintaining sealing. High torque resistance for rotating / reciprocating through doglegs and ensuring good cement bonding. A low hoop stress design reduces the chance of coupling splits and leaks from high frac pressures.



**The BK uses the field proven buttress thread.  
The BK buttress threads are modified to be tight fitting,  
low stress, and fatigue resistant.**

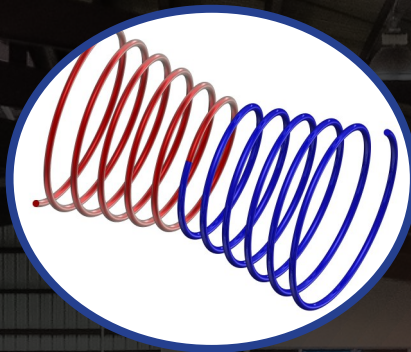


# IT'S IN THE DETAILS

Advanced Relief Groove ensures more threads are engaged for maximum sealing.



The thread roots interlock and overlap at the center of the coupling to prevent couplings from turning.



The thicker midpoint cross sectional area provides additional coupling strength.



Patent No: US9,261,208 B1

## HIGH RPM FATIGUE

The BK uses the field proven buttress thread. The BK buttress threads are modified to be tight fitting, low stress, and fatigue resistant to extend the time it can be rotated through a dogleg at high RPM.

## SELF-CENTERING, ANTI-ROTATION FEATURE

The BK is built with an anti-rotation feature and a relief groove. The patented anti-rotation feature uses a thread interlock to prevent the coupling from turning during makeup or when over torqued. The patented relief groove ensures that more threads are engaged for maximum sealing capability.

## OVER-TORQUE

The BK has better over-torque characteristics, which will keep the connection intact past yield. The thread roots are aligned on both ends of the BK coupling to prevent cross-threading when it is over-torqued. Combined with a low hoop stress design, a BK coupling will remain intact in a slightly salty, acidic or sour environment.



# 100%

## YIELD PRESSURE STRENGTH

The coupling is designed to prevent yielding and deformation from high frac pressures.

# 27+

## WELLS PER MONTH

Servicing over 27 wells monthly

# 10K+

## MONTHLY INSTALS

Over 10,000 couplings installed each month.

# 12 MIL+

## FEET INSTALLED

Over 12 million feet of couplings have been installed overall



SEMI PREMIUM CONNECTIONS

FIELD DEVELOPED.

FIELD

PROVEN.

BK SAVES YOU TIME & MONEY.



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# BK SAVES YOU TIME & MONEY.

BK operates quickly and smoothly, reducing your run time per well, and your overall production costs.

ASK US ABOUT YOUR CUSOM SOLUTION TODAY  
**713.678.8900**

## SPECIFICATIONS

									TORQUE		YIELD STRENGTH		YIELD PRESSURE		
SIZE	WEIGHT	WALL	DRIFT DIAMETER	GRADE	COUPL. DIAMETER	PIPE & CONN. ID	COUPL. LENGTH	MAKE UP LOSS	OPTIMUM	YIELD	TENSION	COMPR.	INTERNAL	COLLAPSE	
4.5	11.60	0.250	3.875	HC P-110	5.000	4.000	7.875	3.938	2,950	8,200	367	367	10,690	8,830	
4.5	11.60	0.250	3.875	P110 EB	5.000	4.000	7.875	3.938	3,350	9,300	417	417	12,150	8,830	
4.5	13.50	0.290	3.795	HC P-110	5.000	3.920	7.875	3.938	3,850	10,750	422	422	12,410	12,290	
4.5	13.50	0.290	3.795	P110 EB	5.000	3.920	7.875	3.938	4,400	12,200	479	479	14,100	12,290	
4.5	15.10	0.337	3.701	HC P-110	5.000	3.826	7.875	3.938	4,950	13,700	485	485	14,420	16,490	
4.5	15.10	0.337	3.701	P110 EB	5.000	3.826	7.875	3.938	5,600	15,550	551	551	16,380	16,490	
5	18.00	0.362	4.151	HC P-110	5.563	4.276	8.125	4.063	6,850	19,000	580	580	13,940	15,490	
5	18.00	0.362	4.151	P110 EB	5.563	4.276	8.125	4.063	7,800	21,600	659	659	15,840	15,490	
5	21.40	0.437	4.001	HC P-110	5.563	4.126	8.125	4.063	9,150	25,450	613	613	16,820	20,180	
5	21.40	0.437	4.001	P110 EB	5.563	4.126	8.125	4.063	9,100	25,250	697	697	19,120	20,180	
5.5	17.00	0.304	4.767	HC P-110	6.050	4.892	8.250	4.125	6,150	17,100	546	546	10,640	8,730	
5.5	17.00	0.304	4.767	P110 EB	6.050	4.892	8.250	4.125	7,000	19,450	620	620	12,090	8,730	
5.5	20.00	0.361	4.653	HC P-110	6.050	4.778	8.250	4.125	8,300	23,000	641	641	12,640	12,770	
5.5	20.00	0.361	4.653	P110 EB	6.050	4.778	8.250	4.125	9,400	26,150	729	729	14,360	12,770	
5.5	23.00	0.415	4.545	HC P-110	6.050	4.670	8.250	4.125	10,000	27,800	664	664	14,530	16,720	
5.5	23.00	0.415	4.545	P110 EB	6.050	4.670	8.250	4.125	11,400	31,600	754	754	16,510	16,720	
6.625	24.00	0.352	5.796	HC-P110	7.390	5.921	8.625	4.313	7,650	21,250	763	763	10,230	8,010	
6.625	28.00	0.417	5.666	HC-P110	7.390	5.791	8.625	4.313	10,800	30,000	895	895	12,120	11,680	
6.625	32.00	0.475	5.55	HC-P110	7.390	5.675	8.625	4.313	13,300	37,000	1010	1010	13,800	15,200	
8.625	32.00	0.352	7.875	L-80	9.625	7.921	9.625	4.813	17,950	49,800	732	732	5,710	3,050	
8.625	32.00	0.352	7.875	HC-P110	9.625	7.921	9.625	4.813	24,650	68,500	1006	1006	7,860	4,170	
8.625	40.00	0.450	7.625	L-80	9.625	7.725	9.625	4.813	19,100	53,100	925	925	7,300	5,520	
8.625	40.00	0.450	7.625	HC-P110	9.625	7.725	9.625	4.813	26,300	73,000	1271	1271	10,040	7,690	
9.625	36.00	0.352	8.765	J-55	10.625	8.921	9.625	4.813	11,000	30,500	564	564	3,520	2,020	
9.625	40.00	0.395	8.679	L-80	10.625	8.835	9.625	4.813	19,600	54,450	916	916	5,750	3,090	
9.625	43.50	0.435	8.599	L-80	10.625	8.755	9.625	4.813	20,000	63,250	1005	1005	6,330	3,810	
9.625	47.00	0.472	8.525	L-80	10.625	8.681	9.625	4.813	20,000	71,350	1086	1086	6,870	4,750	
9.625	53.50	0.545	8.5	L-80	10.625	8.535	9.625	4.813	31,700	88,000	1244	1244	7,930	6,620	



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