



## PREMIERE TORQUE RINGS

### Maximum Torque For Maximum Performance

The Premiere Torque Rings (PTR™) are an innovative, patented technology that provides premium connection performance at a significantly reduced cost. By creating a positive shouldered makeup identical to a premium connection, API certified pipe can be run at a significantly greater torque value without the risk of thread damage.



### Built for Strength

The perfectly circular, non-stressed design results in a considerably stronger product than competing oblong shaped torque rings.

### Standard API MACHiNE Threading

Ring OD features buttress or LTC threading allowing the ring to internally lock in the proper location of the collar.

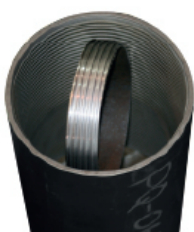


### Tool-less Installation

Torque rings are quickly installed on location prior to job without the need of any special tools.

### API Quality Materials

Torque rings are available in variety of sizes and are composed of the highest grade of steel to match your casing specifications.



### 100% Metal Engagement

Threaded outer diameter provides greater cross sectional area resulting up to two times the torque yield of competing torque rings.

## PREMIERE RUNNING TOOL

### Casing with BUTTRESS THREADS

Pipe OD	Weight	Grade	Wall	ID	Estimated Torque (no ring)	Minimum Torque with PTR™ Ring	Maximum Torque with PTR™ Ring
<b>4-1/2"</b>							
4 1/2	11.6	J-55	0.250	4.000	4,500	5,513	8,046
		K-55	0.250	4.000	4,500	5,513	8,046
		L-80	0.250	4.000	4,500	5,974	9,658
		C-95	0.250	4.000	4,500	6,250	10,626
		P-110	0.250	4.000	4,500	6,527	11,593
13.6	13.6	J-55	0.290	3.920	4,500	5,748	8,869
		L-80	0.290	3.920	4,500	6,316	10,855
		C-95	0.290	3.920	4,500	6,656	12,047
		P-110	0.290	3.920	4,500	6,997	13,238
			0.290	3.920	4,500	6,997	13,238
<b>5-1/2"</b>							
5 1/2	17.0	J-55	0.304	4.892	5,500	7,385	9,427
		K-55	0.304	4.892	5,500	7,385	9,642
		L-80	0.304	4.892	5,500	8,242	13,712
		N-80	0.304	4.892	5,500	8,242	13,712
		P-110	0.304	4.892	5,500	9,271	18,853
20.0	20.0	L-80	0.361	4.778	5,500	8,969	17,347
		N-80	0.361	4.778	5,500	8,969	17,347
		C-95	0.361	4.778	5,500	9,620	20,599
		P-110	0.361	4.778	5,500	10,270	23,851
23.0	23.0	L-80	0.415	4.67	5,500	9,642	20,711
		N-80	0.415	4.67	5,500	9,642	20,711
		C-95	0.415	4.67	5,500	10,419	24,594
		P-110	0.415	4.67	5,500	11,196	28,478



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Pipe OD	Weight	Grade	Wall	ID	Estimated Torque (no ring)	Minimum Torque with PTR™ Ring	Maximum Torque with PTR™ Ring
<b>7"</b>							
7	23.0	J-55	0.317	6.366	7,000	9,632	16,211
		K-55	0.317	6.366	7,000	9,632	16,211
		L-80	0.317	6.366	7,000	10,828	20,397
		N-80	0.317	6.366	7,000	10,828	20,397
		P-110	0.317	6.366	7,000	12,263	25,421
	26.0	J-55	0.362	6.276	7,000	10,176	18,117
		L-80	0.362	6.276	7,000	11,620	23,171
		N-80	0.362	6.276	7,000	11,620	23,171
		C-95	0.362	6.276	7,000	12,486	26,202
		P-110	0.362	6.276	7,000	13,353	29,235
	29.0	K-55	0.408	6.184	7,000	10,725	20,038
		I-80	0.408	6.184	7,000	12,418	25,964
		N-80	0.408	6.184	7,000	12,418	25,964
		C-95	0.408	6.184	7,000	13,434	29,520
		P-110	0.408	6.184	7,000	14,450	33,076
	32.0	J-55	0.453	6.094	7,000	11,254	21,890
		L-80	0.453	6.094	7,000	13,188	28,658
		N-80	0.453	6.094	7,000	13,188	28,658
		C-95	0.453	6.094	7,000	14,348	32,719
		P-110	0.453	6.094	7,000	15,508	36,779
<b>7-5/8"</b>							
5 1/2	29.7	L-80	0.375	6.875	7,625	13,287	28,309
		N-80	0.375	6.875	7,625	13,287	28,309
		C-95	0.375	6.875	7,625	14,063	32,188
		P-110	0.375	6.875	7,625	14,838	36,066
	33.7	L-80	0.430	6.765	7,625	14,084	32,293
		N-80	0.430	6.765	7,625	14,084	32,293
		C-95	0.430	6.765	7,625	15,009	36,918
		P-110	0.430	6.765	7,625	15,934	41,544
	39.0	L-80	0.500	6.625	7,625	15,079	37,270
		N-80	0.500	6.625	7,625	15,079	37,270
		C-95	0.500	6.625	7,625	16,191	42,828
		P-110	0.500	6.625	7,625	17,302	48,387

## PREMIERE RUNNING TOOL

### Casing with BUTTRESS THREADS

Pipe OD	Weight	Grade	Wall	ID	Estimated Torque (no ring)	Minimum Torque with PTR™ Ring	Maximum Torque with PTR™ Ring
<b>9-5/8"</b>							
9-5/8	36.0	J-55	0.352	8.921	9,625	15,768	30,713
		K-55	0.352	8.921	9,625	15,768	30,713
		L-80	0.352	8.921	9,625	17,684	40,297
		N-80	0.352	8.921	9,625	17,684	40,297
		C-90	0.352	8.921	9,625	18,451	44,132
		P-110	0.352	8.921	9,625	19,985	51,799
40.0	40.0	J-55	0.395	8.835	9,625	13,048	34,231
		K-55	0.395	8.835	9,625	13,048	34,231
		L-80	0.395	8.835	9,625	14,166	45,415
		N-80	0.395	8.835	9,625	14,166	45,415
		C-90	0.395	8.835	9,625	14,616	49,888
43.5	43.5	K-55	0.435	8.755	9,625	13,372	37,473
		L-80	0.435	8.755	9,625	14,638	50,131
		N-80	0.435	8.755	9,625	14,638	50,131
		C-90	0.435	8.755	9,625	15,144	55,194
		P-110	0.435	8.755	9,625	15,877	62,521
47.0	47.0	L-80	0.472	8.681	9,625	15,071	54,455
		N-80	0.472	8.681	9,625	15,071	54,455
		C-90	0.472	8.681	9,625	15,631	60,059
		P-110	0.472	8.681	9,625	16,752	71,266
53.5	53.5	L-80	0.545	8.535	9,625	15,913	62,879
		N-80	0.545	8.535	9,625	15,913	62,879
		C-90	0.545	8.535	9,625	16,579	69,535
		P-110	0.545	8.535	9,625	17,910	82,849



## PREMIERE TORQUE RINGS

Casing with BUTTRESS THREADS							
Pipe OD	Weight	Grade	Wall	ID	Estimated Torque (no ring)	Minimum Torque with PTR™ Ring	Maximum Torque with PTR™ Ring
<b>13-3/8"</b>							
13 3/8	54.5	J-55	0.380	12.615	13,375	19,337	59,616
		K-55	0.380	12.615	13,375	19,337	59,616
		M-65	0.380	12.615	13,375	20,177	68,023
		L-80	0.380	12.615	13,375	21,438	80,635
		N-80	0.380	12.615	13,375	21,438	80,635
61.0	61.0	J-55	0.430	12.515	13,375	20,141	67,662
		L-80	0.430	12.515	13,375	20,141	67,662
		M-65	0.430	12.515	13,375	21,128	77,532
		L-80	0.430	12.515	13,375	22,609	92,338
		N-80	0.430	12.515	13,375	22,609	92,338
68.0	68.0	J-55	0.480	12.415	13,375	20,939	75,644
		K-55	0.480	12.415	13,375	20,939	75,644
		M-65	0.480	12.415	13,375	22,072	86,965
		L-80	0.480	12.415	13,375	23,770	103,948
		N-80	0.480	12.415	13,375	23,770	103,948

Yield Torque Rating based on lowest values of pipe body, pin/ring nose, threads, and coupling critical cross section.

**THESE SPECIFICATIONS DO NOT INCLUDE A SAFETY FACTOR!**

A shoulder torque **MUST** be achieved and the shoulder torque value cannot exceed 90% of the Maximum Torque.