

IU-XL SERIES

INLINE RATCHET WRENCH

IU-1XL
10,000 P.S.I. & 700 BAR
+/- 3%

1	2	3	4	5	6	7	8	9	
3/4"	13/16"	7/8"	15/16"	1"	1 1/16"	1 1/8"	1 3/16"	1 1/4"	
FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE
1 5/16"	1 3/8"	1 7/16"	1 1/2"	1 9/16"	1 5/8"	1 11/16"	1 3/4"	1 13/16"	1 7/8"

BAR	P.S.I	FT./LBS.	NM	KGFM
14	200	23	32	4
28	400	47	63	7
41	600	70	95	10
55	800	94	127	13
69	1,000	117	159	17
83	1,200	142	193	20
97	1,400	167	226	24
110	1,600	192	260	27
124	1,800	217	294	31
138	2,000	242	328	34
152	2,200	267	361	37
165	2,400	291	395	41
179	2,600	316	428	44
193	2,800	340	462	48
207	3,000	365	495	51
221	3,200	391	530	55
234	3,400	416	564	58
248	3,600	442	599	62
262	3,800	467	634	65
276	4,000	493	668	69
290	4,200	520	706	72
303	4,400	548	743	76
317	4,600	575	780	80
331	4,800 (1-3)	603	817	84
345	5,000	630	854	88

BAR	P.S.I	FT./LBS.	NM	KGFM
359	5,200	656	889	91
372	5,400	682	924	95
386	5,600	707	959	98
400	5,800	733	994	102
414	6,000	759	1,029	105
427	6,200	786	1,065	109
441	6,400	812	1,101	113
455	6,600	839	1,137	116
469	6,800	865	1,173	120
483	7,000	892	1,209	124
496	7,200	919	1,246	128
510	7,400 (4-6)	946	1,282	131
524	7,600	972	1,318	135
538	7,800	999	1,355	139
552	8,000	1,026	1,391	142
565	8,200	1,054	1,429	146
579	8,400 (7-9)	1,082	1,466	150
593	8,600	1,109	1,504	154
607	8,800	1,137	1,542	158
621	9,000	1,165	1,580	162
634	9,200	1,191	1,615	165
648	9,400	1,217	1,649	169
662	9,600	1,242	1,684	172
676	9,800	1,268	1,719	176
690	10,000	1,294	1,754	179

Hydraulic Torque wrench was calibrated on TSD 20011-HT Hydraulic Torque Wrench Calibration System having a range of 0 to 20,000 X 2 Lb.Ft. S/N 4041 with an Accuracy 0.1% IV, Uncertainty +/- 2 Lb.Ft. and TSD 10K PSI, 0 to 10,000 X 1 PSI, 0.1% Pressure Standard, Uncertainty +/- 1 PSI. S/N 44818 Systems are traceable to National Institute for Standards and Technology (NIST) through Reference # 822/266926-02. The highlighted numbers in charts represent the maximum value for the noted head(s).

IU-XL SERIES

INLINE RATCHET WRENCH

IU-1XL (OFFSET HEAD)
10,000 P.S.I. & 700 BAR
+/- 3%

FULL RANGE	FULL RANGE
1 ¹⁵ / ₁₆ "	2"

BAR	P.S.I	FT./LBS.	NM	KGF*M
14	200	27	37	4
28	400	55	74	8
41	600	82	111	12
55	800	110	149	16
69	1,000	137	186	19
83	1,200	163	220	23
97	1,400	188	255	27
110	1,600	214	290	30
124	1,800	239	325	34
138	2,000	265	359	37
152	2,200	291	394	41
165	2,400	316	429	44
179	2,600	342	463	48
193	2,800	367	498	51
207	3,000	393	533	55
221	3,200	419	569	58
234	3,400	446	604	62
248	3,600	472	640	66
262	3,800	499	676	69
276	4,000	525	712	73
490	4,200	552	748	77
303	4,400	579	785	81
317	4,600	606	822	84
331	4,800 (1-3)	633	858	88
345	5,000	660	895	92

BAR	P.S.I	FT./LBS.	NM	KGF*M
359	5,200	687	931	95
372	5,400	713	967	99
386	5,600	740	1,003	103
400	5,800	766	1,039	106
414	6,000	793	1,075	110
427	6,200	821	1,113	114
441	6,400	849	1,151	118
455	6,600	876	1,188	122
469	6,800	904	1,226	126
483	7,000	932	1,264	129
496	7,200	958	1,299	133
510	7,400 (4-6)	984	1,334	136
524	7,600	1,009	1,369	140
538	7,800	1,035	1,404	144
552	8,000	1,061	1,439	147
565	8,200	1,093	1,482	152
579	8,400 (7-9)	1,125	1,526	156
593	8,600	1,158	1,569	161
607	8,800	1,190	1,613	165
621	9,000	1,222	1,657	169
634	9,200	1,244	1,686	172
648	9,400	1,265	1,715	175
662	9,600	1,287	1,745	178
676	9,800	1,308	1,774	181
700	10,000	1,330	1,803	184

Hydraulic Torque wrench was calibrated on TSD 20011-HT Hydraulic Torque Wrench Calibration System having a range of 0 to 20,000 X 2 Lb.Ft. S/N 4041 with an Accuracy 0.1% IV, Uncertainty +/- 2 Lb.Ft. and TSD 10K PSI, 0 to 10,000 X 1 PSI, 0.1% Pressure Standard, Uncertainty +/- 1 PSI. S/N 44818 Systems are traceable to National Institute for Standards and Technology (NIST) through Reference # 822/266926-02. The highlighted numbers in charts represent the maximum value for the noted head(s).

IU-XL SERIES

INLINE RATCHET WRENCH

IU-3XL
10,000 P.S.I. & 700 BAR
+/- 3%

1	2	3	4	FULL RANGE	5	FULL RANGE	FULL RANGE	FULL RANGE
1 1/4"	1 7/16"	1 5/8"	1 13/16"	1 7/8"	2"	2 3/16"	2 3/8"	2 9/16"

BAR	P.S.I	FT./LBS.	NM	KGFM
14	200	59	80	9
28	400	118	159	17
41	600	176	239	25
55	800	235	319	33
69	1,000	294	399	41
83	1,200	356	483	50
97	1,400	418	567	58
110	1,600	480	651	67
124	1,800	542	735	75
138	2,000	604	819	84
152	2,200	666	903	93
165	2,400	728	986	101
179	2,600	789	1,070	110
193	2,800	851	1,154	118
207	3,000	913	1,238	127
221	3,200	976	1,324	135
234	3,400	1,039	1,409	144
248	3600 (1)	1,103	1,495	153
262	3,800	1,166	1,581	162
276	4,000	1,229	1,666	170
290	4,200	1,287	1,745	178
303	4,400	1,345	1,824	186
317	4,600	1,403	1,902	194
331	4800 (2)	1,461	1,981	202
345	5,000	1,519	2,059	211

BAR	P.S.I	FT./LBS.	NM	KGFM
359	5,200	1,586	2,150	220
372	5,400	1,653	2,241	229
386	5,600	1,720	2,332	238
400	5,800	1,787	2,423	248
414	6,000	1,854	2,514	257
427	6200 (3)	1,915	2,596	265
441	6,400	1,976	2,679	274
455	6,600	2,036	2,761	282
469	6,800	2,097	2,843	290
483	7000 (4-5)	2,158	2,926	299
496	7,200	2,222	3,013	308
510	7,400	2,286	3,099	317
524	7,600	2,292	3,108	317
538	7,800	2,414	3,273	334
552	8,000	2,478	3,360	343
565	8,200	2,541	3,445	352
579	8,400	2,604	3,530	360
593	8,600	2,666	3,615	369
607	8,800	2,729	3,700	378
621	9,000	2,792	3,785	387
634	9,200	2,848	3,862	394
648	9,400	2,905	3,938	402
662	9,600	2,961	4,015	410
676	9,800	3,018	4,091	418
690	10,000	3,074	4,168	425

Hydraulic Torque wrench was calibrated on TSD 20011-HT Hydraulic Torque Wrench Calibration System having a range of 0 to 20,000 X 2 Lb.Ft. S/N 4041 with an Accuracy 0.1% IV, Uncertainty +/- 2 Lb.Ft. and TSD 10K PSI, 0 to 10,000 X 1 PSI, 0.1% Pressure Standard, Uncertainty +/- 1 PSI. S/N 44818 Systems are traceable to National Institute for Standards and Technology (NIST) through Reference # 822/266926-02. The highlighted numbers in charts represent the maximum value for the noted head(s).

IU-XL SERIES

INLINE RATCHET WRENCH

IU-3XL (OFFSET HEAD)
10,000 P.S.I. & 700 BAR
+/- 3%

FULL RANGE	FULL RANGE
2 ³ / ₄ "	2 ¹⁵ / ₁₆ "

BAR	P.S.I	FT./LBS.	NM	KGF*M
14	200	63	86	9
28	400	127	172	18
41	600	190	258	27
55	800	254	344	36
69	1,000	317	430	44
83	1,200	381	517	53
97	1,400	446	604	62
110	1,600	510	692	71
124	1,800	575	779	80
138	2,000	639	866	89
152	2,200	703	954	98
165	2,400	768	1,041	107
179	2,600	832	1,128	116
193	2,800	897	1,216	124
207	3,000	961	1,303	133
221	3,200	1,028	1,394	143
234	3,400	1,096	1,486	152
248	3,600	1,163	1,577	161
262	3,800	1,231	1,668	171
276	4,000	1,298	1,760	180
490	4,200	1,362	1,847	189
303	4,400	1,427	1,934	198
317	4,600	1,491	2,022	207
331	4,800	1,556	2,109	216
345	5,000	1,620	2,196	224

BAR	P.S.I	FT./LBS.	NM	KGF*M
359	5,200	1,686	2,285	234
372	5,400	1,751	2,374	243
386	5,600	1,817	2,463	252
400	5,800	1,882	2,552	261
414	6,000	1,948	2,641	270
427	6,200	2,014	2,730	279
441	6,400	2,080	2,820	288
455	6,600	2,145	2,909	297
469	6,800	2,211	2,998	306
483	7,000	2,277	3,087	315
496	7,200	2,342	3,175	324
510	7,400	2,406	3,262	333
524	7,600	2,471	3,350	342
538	7,800	2,535	3,438	351
552	8,000	2,600	3,525	360
565	8,200	2,666	3,615	369
579	8,400	2,733	3,705	378
593	8,600	2,799	3,795	388
607	8,800	2,866	3,885	397
621	9,000	2,932	3,975	406
634	9,200	2,998	4,064	415
648	9,400	3,063	4,153	424
662	9,600	3,129	4,242	433
676	9,800	3,194	4,331	442
700	10,000	3,260	4,420	451

Hydraulic Torque wrench was calibrated on TSD 20011-HT Hydraulic Torque Wrench Calibration System having a range of 0 to 20,000 X 2 Lb.Ft. S/N 4041 with an Accuracy 0.1% IV, Uncertainty +/- 2 Lb.Ft. and TSD 10K PSI, 0 to 10,000 X 1 PSI, 0.1% Pressure Standard, Uncertainty +/- 1 PSI. S/N 44818 Systems are traceable to National Institute for Standards and Technology (NIST) through Reference # 822/266926-02. The highlighted numbers in charts represent the maximum value for the noted head(s).

IU-XL SERIES

INLINE RATCHET WRENCH

IU-7XL
10,000 P.S.I. & 700 BAR
+/- 3%

1	2	3	4	FULL RANGE	FULL RANGE	FULL RANGE
2"	2 ³ / ₁₆ "	2 ³ / ₈ "	2 ⁹ / ₁₆ "	2 ³ / ₄ "	2 ¹⁵ / ₁₆ "	3 ¹ / ₈ "

BAR	P.S.I	FT./LBS.	NM	KGFM
14	200	133	181	19
28	400	267	362	37
41	600	400	543	56
55	800	534	723	74
69	1,000	667	904	93
83	1,200	798	1,082	111
97	1,400	930	1,261	129
110	1,600	1,061	1,439	147
124	1,800	1,193	1,617	165
138	2,000	1,324	1,795	184
152	2,200	1,463	1,983	203
165	2,400	1,601	2,171	222
179	2,600	1,740	2,359	241
193	2,800	1,878	2,547	260
207	3,000	2,017	2,735	279
221	3,200	2,157	2,925	299
234	3,400	2,297	3,115	318
248	3,600	2,438	3,305	338
262	3,800	2,578	3,495	357
276	4,000	2,718	3,685	376
290	4,200	2,859	3,876	396
303	4,400	3,000	4,067	415
317	4,600	3,141	4,259	435
331	4,800	3,282	4,450	454
345	5,000	3,423	4,641	474

BAR	P.S.I	FT./LBS.	NM	KGFM
359	5,200	3,567	4,836	494
372	5,400	3,711	5,031	514
386	5,600	3,854	5,226	533
400	5,800	3,998	5,421	553
414	6000 (1-2)	4,142	5,616	573
427	6,200	4,278	5,800	592
441	6,400	4,414	5,984	611
455	6,600	4,549	6,168	629
469	6,800	4,685	6,352	648
483	7,000	4,821	6,536	667
496	7,200	4,969	6,737	687
510	7,400	5,116	6,937	708
524	7,600	5,264	7,137	728
538	7800 (3-4)	5,411	7,337	749
552	8,000	5,559	7,537	769
565	8,200	5,693	7,719	788
579	8,400	5,828	7,901	806
593	8,600	5,962	8,084	825
607	8,800	6,097	8,266	843
621	9,000	6,231	8,448	862
634	9,200	6,365	8,629	880
648	9,400	6,498	8,810	899
662	9,600	6,632	8,992	917
676	9,800	6,765	9,173	936
690	10,000	6,899	9,354	954

Hydraulic Torque wrench was calibrated on TSD 20011-HT Hydraulic Torque Wrench Calibration System having a range of 0 to 20,000 X 2 Lb.Ft. S/N 4041 with an Accuracy 0.1% IV, Uncertainty +/- 2 Lb.Ft. and TSD 10K PSI, 0 to 10,000 X 1 PSI, 0.1% Pressure Standard, Uncertainty +/- 1 PSI. S/N 44818 Systems are traceable to National Institute for Standards and Technology (NIST) through Reference # 822/266926-02. The highlighted numbers in charts represent the maximum value for the noted head(s).

IU-XL SERIES

INLINE RATCHET WRENCH

IU-10XL
10,000 P.S.I. & 700 BAR
+/- 3%

1	2	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE
2 ³ / ₈ "	2 ⁹ / ₁₆ "	2 ³ / ₄ "	2 ¹⁵ / ₁₆ "	3 ¹ / ₈ "	3 ¹ / ₂ "	3 ⁷ / ₈ "

BAR	P.S.I	FT./LBS.	NM	KGFM
14	200	198	268	28
28	400	396	537	55
41	600	594	805	83
55	800	792	1,074	110
69	1,000	990	1,342	137
83	1,200	1,188	1,611	165
97	1,400	1,386	1,879	192
110	1,600	1,584	2,148	219
124	1,800	1,782	2,416	247
138	2,000	1,980	2,685	274
152	2,200	2,178	2,953	302
165	2,400	2,376	3,221	329
179	2,600	2,574	3,490	356
193	2,800	2,772	3,758	384
207	3,000	2,970	4,027	411
221	3,200	3,162	4,287	438
234	3,400	3,354	4,547	464
248	3,600	3,546	4,808	491
262	3,800	3,738	5,068	517
276	4,000	3,930	5,328	544
290	4,200	4,134	5,605	572
303	4,400	4,338	5,882	600
317	4,600	4,542	6,158	628
331	4,800	4,746	6,435	657
345	5,000	4,950	6,711	685

BAR	P.S.I	FT./LBS.	NM	KGFM
359	5,200	5,148	6,980	712
372	5,400	5,346	7,248	740
386	5,600	5,544	7,517	767
400	5,800	5,742	7,785	794
414	6,000	5,940	8,054	822
427	6,200 (1)	6,138	8,322	849
441	6,400	6,336	8,590	876
455	6,600	6,534	8,859	904
469	6,800	6,732	9,127	931
483	7,000 (2)	6,930	9,396	959
496	7,200	7,128	9,664	986
510	7,400	7,326	9,933	1,013
524	7,600	7,524	10,201	1,041
538	7,800	7,722	10,470	1,068
552	8,000	7,920	10,738	1,095
565	8,200	8,118	11,007	1,123
579	8,400	8,316	11,275	1,150
593	8,600	8,514	11,543	1,178
607	8,800	8,712	11,812	1,205
621	9,000	8,910	12,080	1,232
634	9,200	9,108	12,349	1,260
648	9,400	9,306	12,617	1,287
662	9,600	9,504	12,886	1,314
676	9,800	9,702	13,154	1,342
690	10,000	9,900	13,423	1,369

Hydraulic Torque wrench was calibrated on TSD 20011-HT Hydraulic Torque Wrench Calibration System having a range of 0 to 20,000 X 2 Lb.Ft. S/N 4041 with an Accuracy 0.1% IV, Uncertainty +/- 2 Lb.Ft. and TSD 10K PSI, 0 to 10,000 X 1 PSI, 0.1% Pressure Standard, Uncertainty +/- 1 PSI. S/N 44818 Systems are traceable to National Institute for Standards and Technology (NIST) through Reference # 822/266926-02. The highlighted numbers in charts represent the maximum value for the noted head(s).

IU-XL SERIES

INLINE RATCHET WRENCH

IU-17XL
10,000 P.S.I. & 700 BAR
+/- 3%

FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE
2 ³ / ₄ "	2 ¹⁵ / ₁₆ "	3 ¹ / ₈ "	3 ¹ / ₂ "	3 ⁷ / ₈ "	4 ¹ / ₄ "	4 ⁵ / ₈ "	5"

BAR	P.S.I	FT./LBS.	NM	KGFM
14	200	303	410	42
28	400	605	821	84
41	600	908	1,231	126
55	800	1,210	1,641	168
69	1,000	1,513	2,051	210
83	1,200	1,825	2,475	253
97	1,400	2,138	2,898	296
110	1,600	2,450	3,322	339
124	1,800	2,763	3,746	382
138	2,000	3,075	4,169	426
152	2,200	3,396	4,604	470
165	2,400	3,717	5,039	514
179	2,600	4,037	5,474	559
193	2,800	4,358	5,909	603
207	3,000	4,679	6,344	647
221	3,200	4,995	6,773	691
234	3,400	5,311	7,201	735
248	3,600	5,628	7,630	779
262	3,800	5,944	8,059	822
276	4,000	6,260	8,487	866
290	4,200	6,580	8,921	910
303	4,400	6,899	9,354	954
317	4,600	7,219	9,787	999
331	4,800	7,538	10,221	1,043
345	5,000	7,858	10,654	1,087

BAR	P.S.I	FT./LBS.	NM	KGFM
359	5,200	8,178	11,088	1,131
372	5,400	8,498	11,522	1,175
386	5,600	8,818	11,956	1,220
400	5,800	9,138	12,389	1,264
414	6,000	9,458	12,823	1,308
427	6,200	9,784	13,266	1,353
441	6,400	10,111	13,708	1,398
455	6,600	10,437	14,151	1,443
469	6,800	10,764	14,594	1,489
483	7,000	11,090	15,036	1,534
496	7,200	11,405	15,463	1,577
510	7,400	11,719	15,889	1,621
524	7,600	12,034	16,316	1,664
538	7,800	12,348	16,742	1,708
552	8,000	12,663	17,169	1,751
565	8,200	12,985	17,605	1,796
579	8,400	13,307	18,041	1,840
593	8,600	13,628	18,478	1,885
607	8,800	13,950	18,914	1,929
621	9,000	14,272	19,350	1,974
634	9,200	14,608	19,806	2,020
648	9,400	14,944	20,261	2,067
662	9,600	15,279	20,716	2,113
676	9,800	15,615	21,171	2,159
690	10,000	15,951	21,627	2,206

Hydraulic Torque wrench was calibrated on TSD 20011-HT Hydraulic Torque Wrench Calibration System having a range of 0 to 20,000 X 2 Lb.Ft. S/N 4041 with an Accuracy 0.1% IV, Uncertainty +/- 2 Lb.Ft. and TSD 10K PSI, 0 to 10,000 X 1 PSI, 0.1% Pressure Standard, Uncertainty +/- 1 PSI. S/N 44818 Systems are traceable to National Institute for Standards and Technology (NIST) through Reference # 822/266926-02. The highlighted numbers in charts represent the maximum value for the noted head(s).

IU-XL SERIES

INLINE RATCHET WRENCH

IU-25XL
10,000 P.S.I. & 700 BAR
+/- 3%

FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE	FULL RANGE
3½"	3⅞"	4¼"	4⅝"	5"

BAR	P.S.I	FT./LBS.	NM	KGFM
14	200	452	613	63
28	400	904	1,226	125
41	600	1,356	1,838	188
55	800	1,808	2,451	250
69	1,000	2,260	3,064	313
83	1,200	2,720	3,688	377
97	1,400	3,180	4,312	440
110	1,600	3,640	4,935	504
124	1,800	4,100	5,559	567
138	2,000	4,560	6,183	631
152	2,200	5,038	6,831	697
165	2,400	5,517	7,480	763
179	2,600	5,995	8,128	829
193	2,800	6,474	8,777	896
207	3,000	6,952	9,426	962
221	3,200	7,425	10,067	1,027
234	3,400	7,898	10,708	1,092
248	3,600	8,370	11,349	1,158
262	3,800	8,843	11,990	1,223
276	4,000	9,316	12,631	1,288
290	4,200	9,794	13,279	1,355
303	4,400	10,272	13,927	1,421
317	4,600	10,750	14,575	1,487
331	4,800	11,228	15,223	1,553
345	5,000	11,706	15,871	1,619

BAR	P.S.I	FT./LBS.	NM	KGFM
359	5,200	12,181	16,516	1,685
372	5,400	12,657	17,160	1,750
386	5,600	13,132	17,805	1,816
400	5,800	13,608	18,449	1,882
414	6,000	14,083	19,094	1,948
427	6,200	14,562	19,743	2,014
441	6,400	15,041	20,393	2,080
455	6,600	15,520	21,042	2,146
469	6,800	15,999	21,692	2,212
483	7,000	16,478	22,341	2,279
496	7,200	16,958	22,991	2,345
510	7,400	17,437	23,642	2,411
524	7,600	17,917	24,292	2,478
538	7,800	18,396	24,942	2,544
552	8,000	18,876	25,592	2,610
565	8,200	19,349	26,233	2,676
579	8,400	19,822	26,875	2,741
593	8,600	20,294	27,516	2,806
607	8,800	20,767	28,157	2,872
621	9,000	21,240	28,798	2,937
634	9,200	21,716	29,443	3,003
648	9,400	22,192	30,088	3,069
662	9,600	22,668	30,734	3,134
676	9,800	23,144	31,379	3,200
690	10,000	23,620	32,024	3,266

Hydraulic Torque wrench was calibrated on TSD 20011-HT Hydraulic Torque Wrench Calibration System having a range of 0 to 20,000 X 2 Lb.Ft. S/N 4041 with an Accuracy 0.1% IV, Uncertainty +/- 2 Lb.Ft. and TSD 10K PSI, 0 to 10,000 X 1 PSI, 0.1% Pressure Standard, Uncertainty +/- 1 PSI. S/N 44818 Systems are traceable to National Institute for Standards and Technology (NIST) through Reference # 822/266926-02. The highlighted numbers in charts represent the maximum value for the noted head(s).

IU-XL SERIES

INLINE RATCHET WRENCH

IU-50XL

10,000 P.S.I. & 700 BAR
+/- 3%

1	2	3	4	5	6	7
4 ⁵ / ₈ "	5"	5 ³ / ₈ "	5 ³ / ₄ "	6 ¹ / ₈ "	6 ¹ / ₂ "	6 ⁷ / ₈ "

BAR	P.S.I	FT./LBS.	NM	KGF*M
14	200	853	1,157	118
28	400	1,706	2,313	236
41	600	2,559	3,470	354
55	800	3,412	4,626	472
69	1,000	4,265	5,783	590
83	1,200	5,167	7,005	715
97	1,400	6,068	8,227	839
110	1,600	6,970	9,450	964
124	1,800	7,871	10,672	1,089
138	2,000	8,773	11,895	1,213
152	2,200	9,741	13,208	1,347
165	2,400	10,710	14,521	1,481
179	2,600	11,678	15,834	1,615
193	2,800	12,647	17,147	1,749
207	3,000	13,615	18,459	1,883
221	3,200	14,600	19,795	2,019
234	3,400	15,585	21,130	2,155
248	3,600	16,570	22,466	2,291
262	3,800	17,555	23,801	2,428
276	4,000	18,540	25,137	2,564
290	4,200	19,534	26,485	2,701
303	4,400	20,528	27,832	2,839
317	4,600	21,522	29,180	2,976
331	4,800	22,516	30,528	3,113
345	5,000	23,510	31,875	3,251

BAR	P.S.I	FT./LBS.	NM	KGF*M
359	5,200	24,471	33,178	3,384
372	5,400	25,432	34,481	3,517
386	5,600	26,393	35,784	3,649
400	5,800	27,354	37,087	3,782
414	6,000	28,315	38,390	3,915
427	6,200	29,302	39,728	4,052
441	6,400	30,288	41,065	4,188
455	6,600	31,275	42,403	4,324
469	6,800	32,261	43,741	4,461
483	7,000	33,248	45,078	4,597
496	7,200	34,151	46,303	4,722
510	7,400	35,054	47,527	4,847
524	7,600	35,957	48,751	4,972
538	7,800	36,860	49,976	5,097
552	8,000	37,763	51,200	5,221
565	8,200	39,124	53,045	5,410
579	8,400	40,484	54,889	5,598
593	8,600	41,845	56,734	5,786
607	8,800	43,205	58,579	5,974
621	9,000	44,566	60,423	6,162
634	9,200	45,618	61,850	6,307
648	9,400	46,671	63,277	6,453
662	9,600	47,723	64,704	6,598
676	9,800	48,776	66,131	6,744
690	10,000	49,828	67,558	6,889

Hydraulic Torque wrench was calibrated on TSD 20011-HT Hydraulic Torque Wrench Calibration System having a range of 0 to 20,000 X 2 Lb.Ft. S/N 4041 with an Accuracy 0.1% IV, Uncertainty +/- 2 Lb.Ft. and TSD 10K PSI, 0 to 10,000 X 1 PSI, 0.1% Pressure Standard, Uncertainty +/- 1 PSI. S/N 44818 Systems are traceable to National Institute for Standards and Technology (NIST) through Reference # 822/266926-02. The highlighted numbers in charts represent the maximum value for the noted head(s).