

IU-XL SERIES LOW-CLEARANCE WRENCH

IU-1XL TORQUE CHART 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														
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	KGf*M	BAR	P.S.I.	FT./LBS.	nM	KGf*M	BAR	P.S.I.	FT./LBS.	nM	KGf*M	BAR	P.S.I.	FT./LBS.	nM	KGf*M	BAR	P.S.I.	FT./LBS.	nM	KGf*M	BAR	P.S.I.	FT./LBS.	nM	KGf*M	BAR	P.S.I.	FT./LBS.	nM	KGf*M	BAR	P.S.I.	FT./LBS.	nM	KGf*M										
14	200	23	32	4	359	5,200	656	889	91																																								
28	400	47	63	7	372	5,400	682	924	95																																								
41	600	70	95	10	386	5,600	707	959	98																																								
55	800	94	127	13	400	5,800	733	994	102																																								
69	1,000	117	159	17	414	6,000	759	1,029	105																																								
83	1,200	142	193	20	427	6,200	786	1,065	109																																								
97	1,400	167	226	24	441	6,400	812	1,101	113																																								
110	1,600	192	260	27	455	6,600	839	1,137	116																																								
124	1,800	217	294	31	469	6,800	865	1,173	120																																								
138	2,000	242	328	34	483	7,000	892	1,209	124																																								
152	2,200	267	361	37	496	7,200	919	1,246	128																																								
165	2,400	291	395	41	510	7,400 (4-6)	946	1,282	131																																								
179	2,600	316	428	44	524	7,600	972	1,318	135																																								
193	2,800	340	462	48	538	7,800	999	1,355	139																																								
207	3,000	365	495	51	552	8,000	1,026	1,391	142																																								
221	3,200	391	530	55	565	8,200	1,054	1,429	146																																								
234	3,400	416	564	58	579	8,400 (7-9)	1,082	1,466	150																																								
248	3,600	442	599	62	593	8,600	1,109	1,504	154																																								
262	3,800	467	634	65	607	8,800	1,137	1,542	158																																								
276	4,000	493	668	69	621	9,000	1,165	1,580	162																																								
290	4,200	520	706	72	634	9,200	1,191	1,615	165																																								
303	4,400	548	743	76	648	9,400	1,217	1,649	169																																								
317	4,600	575	780	80	662	9,600	1,242	1,684	172																																								
331	4,800 (1-3)	603	817	84	676	9,800	1,268	1,719	176																																								
345	5,000	630	854	88	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 LOW-CLEARANCE 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	BAR	P.S.I.	FT./LBS.	nM	KGf*M
14	200	27	37	4	359	5,200	687	931	95
28	400	55	74	8	372	5,400	713	967	99
41	600	82	111	12	386	5,600	740	1,003	103
55	800	110	149	16	400	5,800	766	1,039	106
69	1,000	137	186	19	414	6,000	793	1,075	110
83	1,200	163	220	23	427	6,200	821	1,113	114
97	1,400	188	255	27	441	6,400	849	1,151	118
110	1,600	214	290	30	455	6,600	876	1,188	122
124	1,800	239	325	34	469	6,800	904	1,226	126
138	2,000	265	359	37	483	7,000	932	1,264	129
152	2,200	291	394	41	496	7,200	958	1,299	133
165	2,400	316	429	44	510	7,400 ⁽⁴⁻⁶⁾	984	1,334	136
179	2,600	342	463	48	524	7,600	1,009	1,369	140
193	2,800	367	498	51	538	7,800	1,035	1,404	144
207	3,000	393	533	55	552	8,000	1,061	1,439	147
221	3,200	419	569	58	565	8,200	1,093	1,482	152
234	3,400	446	604	62	579	8,400 ⁽⁷⁻⁹⁾	1,125	1,526	156
248	3,600	472	640	66	593	8,600	1,158	1,569	161
262	3,800	499	676	69	607	8,800	1,190	1,613	165
276	4,000	525	712	73	621	9,000	1,222	1,657	169
490	4,200	552	748	77	634	9,200	1,244	1,686	172
303	4,400	579	785	81	648	9,400	1,265	1,715	175
317	4,600	606	822	84	662	9,600	1,287	1,745	178
331	4,800 ⁽¹⁻³⁾	633	858	88	676	9,800	1,308	1,774	181
345	5,000	660	895	92	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 LOW-CLEARANCE WRENCH

IU-3XL TORQUE CHART 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	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M					
14	200	59	80	9	359	5,200	1,586	2,150	220	28	400	118	159	17	372	5,400	1,653	2,241	229	41	600	176	239	25	386	5,600	1,720	2,332	238	55	800	235	319	33	400	5,800	1,787	2,423	248	69	1,000	294	399	41	414	6,000	1,854	2,514	257
83	1,200	356	483	50	427	6,200 (3)	1,915	2,596	265	97	1,400	418	567	58	441	6,400	1,976	2,679	274	110	1,600	480	651	67	455	6,600	2,036	2,761	282	124	1,800	542	735	75	469	6,800	2,097	2,843	290	138	2,000	604	819	84	483	7,000 (4-5)	2,158	2,926	299
152	2,200	666	903	93	496	7,200	2,222	3,013	308	165	2,400	728	986	101	510	7,400	2,286	3,099	317	179	2,600	789	1,070	110	524	7,600	2,292	3,108	317	193	2,800	851	1,154	118	538	7,800	2,414	3,273	334	207	3,000	913	1,238	127	552	8,000	2,478	3,360	343
221	3,200	976	1,324	135	565	8,200	2,541	3,445	352	234	3,400	1,039	1,409	144	579	8,400	2,604	3,530	360	248	3,600 (1)	1,103	1,495	153	593	8,600	2,666	3,615	369	262	3,800	1,166	1,581	162	607	8,800	2,729	3,700	378	276	4,000	1,229	1,666	170	621	9,000	2,792	3,785	387
290	4,200	1,287	1,745	178	634	9,200	2,848	3,862	394	303	4,400	1,345	1,824	186	648	9,400	2,905	3,938	402	317	4,600	1,403	1,902	194	662	9,600	2,961	4,015	410	331	4,800 (2)	1,461	1,981	202	676	9,800	3,018	4,091	418	345	5,000	1,519	2,059	211	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 LOW-CLEARANCE 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	BAR	P.S.I	FT./LBS.	nM	KGf*M
14	200	63	86	9	359	5,200	1,686	2,285	234
28	400	127	172	18	372	5,400	1,751	2,374	243
41	600	190	258	27	386	5,600	1,817	2,463	252
55	800	254	344	36	400	5,800	1,882	2,552	261
69	1,000	317	430	44	414	6,000	1,948	2,641	270
83	1,200	381	517	53	427	6,200	2,014	2,730	279
97	1,400	446	604	62	441	6,400	2,080	2,820	288
110	1,600	510	692	71	455	6,600	2,145	2,909	297
124	1,800	575	779	80	469	6,800	2,211	2,998	306
138	2,000	639	866	89	483	7,000	2,277	3,087	315
152	2,200	703	954	98	496	7,200	2,342	3,175	324
165	2,400	768	1,041	107	510	7,400	2,406	3,262	333
179	2,600	832	1,128	116	524	7,600	2,471	3,350	342
193	2,800	897	1,216	124	538	7,800	2,535	3,438	351
207	3,000	961	1,303	133	552	8,000	2,600	3,525	360
221	3,200	1,028	1,394	143	565	8,200	2,666	3,615	369
234	3,400	1,096	1,486	152	579	8,400	2,733	3,705	378
248	3,600	1,163	1,577	161	593	8,600	2,799	3,795	388
262	3,800	1,231	1,668	171	607	8,800	2,866	3,885	397
276	4,000	1,298	1,760	180	621	9,000	2,932	3,975	406
490	4,200	1,362	1,847	189	634	9,200	2,998	4,064	415
303	4,400	1,427	1,934	198	648	9,400	3,063	4,153	424
317	4,600	1,491	2,022	207	662	9,600	3,129	4,242	433
331	4,800	1,556	2,109	216	676	9,800	3,194	4,331	442
345	5,000	1,620	2,196	224	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 LOW-CLEARANCE WRENCH

IU-7XL TORQUE CHART 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	KGf*M	BAR	P.S.I.	FT./LBS.	nM	KGf*M	BAR	P.S.I.	FT./LBS.	nM	KGf*M
14	200	133	181	19	359	5,200	3,567	4,836	494					
28	400	267	362	37	372	5,400	3,711	5,031	514					
41	600	400	543	56	386	5,600	3,854	5,226	533					
55	800	534	723	74	400	5,800	3,998	5,421	553					
69	1,000	667	904	93	414	6,000 (1-2)	4,142	5,616	573					
83	1,200	798	1,082	111	427	6,200	4,278	5,800	592					
97	1,400	930	1,261	129	441	6,400	4,414	5,984	611					
110	1,600	1,061	1,439	147	455	6,600	4,549	6,168	629					
124	1,800	1,193	1,617	165	469	6,800	4,685	6,352	648					
138	2,000	1,324	1,795	184	483	7,000	4,821	6,536	667					
152	2,200	1,463	1,983	203	496	7,200	4,969	6,737	687					
165	2,400	1,601	2,171	222	510	7,400	5,116	6,937	708					
179	2,600	1,740	2,359	241	524	7,600	5,264	7,137	728					
193	2,800	1,878	2,547	260	538	7,800 (3-4)	5,411	7,337	749					
207	3,000	2,017	2,735	279	552	8,000	5,559	7,537	769					
221	3,200	2,157	2,925	299	565	8,200	5,693	7,719	788					
234	3,400	2,297	3,115	318	579	8,400	5,828	7,901	806					
248	3,600	2,438	3,305	338	593	8,600	5,962	8,084	825					
262	3,800	2,578	3,495	357	607	8,800	6,097	8,266	843					
276	4,000	2,718	3,685	376	621	9,000	6,231	8,448	862					
290	4,200	2,859	3,876	396	634	9,200	6,365	8,629	880					
303	4,400	3,000	4,067	415	648	9,400	6,498	8,810	899					
317	4,600	3,141	4,259	435	662	9,600	6,632	8,992	917					
331	4,800	3,282	4,450	454	676	9,800	6,765	9,173	936					
345	5,000	3,423	4,641	474	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 LOW-CLEARANCE WRENCH

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

FULL RANGE					FULL RANGE				
3½"					3⅞"				
BAR	P.S.I	FT./LBS.	nM	KGF*M	BAR	P.S.I	FT./LBS.	nM	KGF*M
14	200	135	183	19	359	5,200	3,803	5,156	526
28	400	270	366	38	372	5,400	3,956	5,364	547
41	600	404	548	56	386	5,600	4,110	5,572	569
55	800	539	731	75	400	5,800	4,263	5,780	590
69	1,000	674	914	94	414	6,000	4,416	5,987	611
83	1,200	823	1,116	114	427	6,200	4,563	6,187	631
97	1,400	972	1,318	135	441	6,400	4,711	6,387	652
110	1,600	1,122	1,521	156	455	6,600	4,858	6,587	672
124	1,800	1,271	1,723	176	469	6,800	5,006	6,787	693
138	2,000	1,420	1,925	197	483	7,000	5,153	6,987	713
152	2,200	1,566	2,123	217	496	7,200	5,308	7,197	734
165	2,400	1,712	2,321	237	510	7,400	5,463	7,407	756
179	2,600	1,858	2,519	257	524	7,600	5,619	7,618	777
193	2,800	2,004	2,717	278	538	7,800	5,774	7,828	799
207	3,000	2,150	2,915	298	552	8,000	5,929	8,039	820
221	3,200	2,299	3,117	318	565	8,200	6,077	8,240	841
234	3,400	2,448	3,319	339	579	8,400	6,226	8,441	861
248	3,600	2,597	3,521	360	593	8,600	6,374	8,642	882
262	3,800	2,746	3,723	380	607	8,800	6,523	8,843	902
276	4,000	2,895	3,925	401	621	9,000	6,671	9,045	923
490	4,200	3,046	4,130	422	634	9,200	6,823	9,251	944
303	4,400	3,197	4,335	443	648	9,400	6,975	9,457	965
317	4,600	3,348	4,539	463	662	9,600	7,128	9,664	986
331	4,800	3,499	4,744	484	676	9,800	7,280	9,870	1,007
345	5,000	3,650	4,949	505	700	10,000	7,432	10,076	1,028

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 LOW-CLEARANCE WRENCH

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

1					2				
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	KGf*M	BAR	P.S.I.	FT./LBS.	nM	KGf*M
14	200	198	268	28	359	5,200	5,148	6,980	712
28	400	396	537	55	372	5,400	5,346	7,248	740
41	600	594	805	83	386	5,600	5,544	7,517	767
55	800	792	1,074	110	400	5,800	5,742	7,785	794
69	1,000	990	1,342	137	414	6,000	5,940	8,054	822
83	1,200	1,188	1,611	165	427	6,200 (1)	6,138	8,322	849
97	1,400	1,386	1,879	192	441	6,400	6,336	8,590	876
110	1,600	1,584	2,148	219	455	6,600	6,534	8,859	904
124	1,800	1,782	2,416	247	469	6,800	6,732	9,127	931
138	2,000	1,980	2,685	274	483	7,000 (2)	6,930	9,396	959
152	2,200	2,178	2,953	302	496	7,200	7,128	9,664	986
165	2,400	2,376	3,221	329	510	7,400	7,326	9,933	1,013
179	2,600	2,574	3,490	356	524	7,600	7,524	10,201	1,041
193	2,800	2,772	3,758	384	538	7,800	7,722	10,470	1,068
207	3,000	2,970	4,027	411	552	8,000	7,920	10,738	1,095
221	3,200	3,162	4,287	438	565	8,200	8,118	11,007	1,123
234	3,400	3,354	4,547	464	579	8,400	8,316	11,275	1,150
248	3,600	3,546	4,808	491	593	8,600	8,514	11,543	1,178
262	3,800	3,738	5,068	517	607	8,800	8,712	11,812	1,205
276	4,000	3,930	5,328	544	621	9,000	8,910	12,080	1,232
290	4,200	4,134	5,605	572	634	9,200	9,108	12,349	1,260
303	4,400	4,338	5,882	600	648	9,400	9,306	12,617	1,287
317	4,600	4,542	6,158	628	662	9,600	9,504	12,886	1,314
331	4,800	4,746	6,435	657	676	9,800	9,702	13,154	1,342
345	5,000	4,950	6,711	685	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 LOW-CLEARANCE WRENCH

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

FULL RANGE

4¹/₄"

BAR	P.S.I	FT./LBS.	nM	KGf*M
14	200	197	267	28
28	400	394	534	55
41	600	590	800	82
55	800	787	1,067	109
69	1,000	984	1,334	137
83	1,200	1,195	1,621	166
97	1,400	1,407	1,907	195
110	1,600	1,618	2,194	224
124	1,800	1,830	2,481	253
138	2,000	2,041	2,767	283
152	2,200	2,253	3,054	312
165	2,400	2,464	3,341	341
179	2,600	2,676	3,628	370
193	2,800	2,887	3,915	400
207	3,000	3,099	4,202	429
221	3,200	3,299	4,473	457
234	3,400	3,499	4,745	484
248	3,600	3,700	5,016	512
262	3,800	3,900	5,287	540
276	4,000	4,100	5,559	567
490	4,200	4,311	5,845	597
303	4,400	4,522	6,131	626
317	4,600	4,733	6,417	655
331	4,800	4,944	6,703	684
345	5,000	5,155	6,989	713

BAR	P.S.I	FT./LBS.	nM	KGf*M
359	5,200	5,363	7,272	742
372	5,400	5,572	7,554	771
386	5,600	5,780	7,837	800
400	5,800	5,989	8,119	828
414	6,000	6,197	8,402	857
427	6,200	6,408	8,688	886
441	6,400	6,618	8,973	916
455	6,600	6,829	9,259	945
469	6,800	7,039	9,544	974
483	7,000	7,250	9,830	1,003
496	7,200	7,455	10,108	1,031
510	7,400	7,661	10,387	1,060
524	7,600	7,866	10,665	1,088
538	7,800	8,072	10,944	1,116
552	8,000	8,277	11,222	1,145
565	8,200	8,494	11,516	1,175
579	8,400	8,710	11,809	1,205
593	8,600	8,927	12,103	1,235
607	8,800	9,143	12,397	1,265
621	9,000	9,360	12,690	1,295
634	9,200	9,559	12,960	1,322
648	9,400	9,758	13,230	1,350
662	9,600	9,956	13,499	1,377
676	9,800	10,155	13,769	1,405
700	10,000	10,354	14,038	1,432

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 LOW-CLEARANCE WRENCH

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

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	KGf*M	BAR	P.S.I	FT./LBS.	nM	KGf*M	BAR	P.S.I	FT./LBS.	nM	KGf*M	BAR	P.S.I	FT./LBS.	nM	KGf*M	BAR	P.S.I	FT./LBS.	nM	KGf*M	BAR	P.S.I	FT./LBS.	nM	KGf*M	BAR	P.S.I	FT./LBS.	nM	KGf*M															
14	200	303	410	42	359	5,200	8,178	11,088	1,131	28	400	605	821	84	372	5,400	8,498	11,522	1,175	41	600	908	1,231	126	386	5,600	8,818	11,956	1,220	55	800	1,210	1,641	168	400	5,800	9,138	12,389	1,264	69	1,000	1,513	2,051	210	414	6,000	9,458	12,823	1,308
83	1,200	1,825	2,475	253	427	6,200	9,784	13,266	1,353	97	1,400	2,138	2,898	296	441	6,400	10,111	13,708	1,398	110	1,600	2,450	3,322	339	455	6,600	10,437	14,151	1,443	124	1,800	2,763	3,746	382	469	6,800	10,764	14,594	1,489	138	2,000	3,075	4,169	426	483	7,000	11,090	15,036	1,534
152	2,200	3,396	4,604	470	496	7,200	11,405	15,463	1,577	165	2,400	3,717	5,039	514	510	7,400	11,719	15,889	1,621	179	2,600	4,037	5,474	559	524	7,600	12,034	16,316	1,664	193	2,800	4,358	5,909	603	538	7,800	12,348	16,742	1,708	207	3,000	4,679	6,344	647	552	8,000	12,663	17,169	1,751
221	3,200	4,995	6,773	691	565	8,200	12,985	17,605	1,796	234	3,400	5,311	7,201	735	579	8,400	13,307	18,041	1,840	248	3,600	5,628	7,630	779	593	8,600	13,628	18,478	1,885	262	3,800	5,944	8,059	822	607	8,800	13,950	18,914	1,929	276	4,000	6,260	8,487	866	621	9,000	14,272	19,350	1,974
290	4,200	6,580	8,921	910	634	9,200	14,608	19,806	2,020	303	4,400	6,899	9,354	954	648	9,400	14,944	20,261	2,067	317	4,600	7,219	9,787	999	662	9,600	15,279	20,716	2,113	331	4,800	7,538	10,221	1,043	676	9,800	15,615	21,171	2,159	345	5,000	7,858	10,654	1,087	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 LOW-CLEARANCE WRENCH

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

FULL RANGE

5³/₈"

BAR	P.S.I	FT./LBS.	nM	KGF*M	BAR	P.S.I	FT./LBS.	nM	KGF*M
14	200	303	410	42	359	5,200	8,378	11,359	1,159
28	400	605	821	84	372	5,400	8,711	11,811	1,205
41	600	908	1,231	126	386	5,600	9,045	12,263	1,251
55	800	1,210	1,641	168	400	5,800	9,378	12,715	1,297
69	1,000	1,513	2,051	210	414	6,000	9,712	13,168	1,343
83	1,200	1,829	2,480	253	427	6,200	10,045	13,620	1,389
97	1,400	2,145	2,908	297	441	6,400	10,379	14,072	1,435
110	1,600	2,461	3,337	341	455	6,600	10,712	14,524	1,482
124	1,800	2,777	3,765	384	469	6,800	11,046	14,976	1,528
138	2,000	3,093	4,194	428	483	7,000	11,379	15,428	1,574
152	2,200	3,420	4,637	473	496	7,200	11,713	15,881	1,620
165	2,400	3,747	5,081	519	510	7,400	12,047	16,334	1,666
179	2,600	4,075	5,524	564	524	7,600	12,381	16,786	1,712
193	2,800	4,402	5,968	609	538	7,800	12,715	17,239	1,758
207	3,000	4,729	6,412	654	552	8,000	13,049	17,692	1,805
221	3,200	5,057	6,857	700	565	8,200	13,390	18,154	1,852
234	3,400	5,386	7,302	745	579	8,400	13,731	18,616	1,899
248	3,600	5,714	7,747	791	593	8,600	14,071	19,078	1,946
262	3,800	6,043	8,193	836	607	8,800	14,412	19,540	1,993
276	4,000	6,371	8,638	881	621	9,000	14,753	20,002	2,040
490	4,200	6,706	9,092	928	634	9,200	15,070	20,433	2,084
303	4,400	7,040	9,545	974	648	9,400	15,388	20,863	2,128
317	4,600	7,375	9,999	1,020	662	9,600	15,705	21,293	2,172
331	4,800	7,709	10,453	1,066	676	9,800	16,023	21,724	2,216
345	5,000	8,044	10,906	1,113	700	10,000	16,340	22,154	2,260

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 LOW-CLEARANCE WRENCH

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

FULL RANGE					FULL RANGE				
3½"					3⅞"				
FULL RANGE					FULL RANGE				
4¼"					4⅝"				
FULL RANGE					FULL RANGE				
5"									
BAR	P.S.I.	FT./LBS.	nM	KGf*M	BAR	P.S.I.	FT./LBS.	nM	KGf*M
14	200	452	613	63	359	5,200	12,181	16,516	1,685
28	400	904	1,226	125	372	5,400	12,657	17,160	1,750
41	600	1,356	1,838	188	386	5,600	13,132	17,805	1,816
55	800	1,808	2,451	250	400	5,800	13,608	18,449	1,882
69	1,000	2,260	3,064	313	414	6,000	14,083	19,094	1,948
83	1,200	2,720	3,688	377	427	6,200	14,562	19,743	2,014
97	1,400	3,180	4,312	440	441	6,400	15,041	20,393	2,080
110	1,600	3,640	4,935	504	455	6,600	15,520	21,042	2,146
124	1,800	4,100	5,559	567	469	6,800	15,999	21,692	2,212
138	2,000	4,560	6,183	631	483	7,000	16,478	22,341	2,279
152	2,200	5,038	6,831	697	496	7,200	16,958	22,991	2,345
165	2,400	5,517	7,480	763	510	7,400	17,437	23,642	2,411
179	2,600	5,995	8,128	829	524	7,600	17,917	24,292	2,478
193	2,800	6,474	8,777	896	538	7,800	18,396	24,942	2,544
207	3,000	6,952	9,426	962	552	8,000	18,876	25,592	2,610
221	3,200	7,425	10,067	1,027	565	8,200	19,349	26,233	2,676
234	3,400	7,898	10,708	1,092	579	8,400	19,822	26,875	2,741
248	3,600	8,370	11,349	1,158	593	8,600	20,294	27,516	2,806
262	3,800	8,843	11,990	1,223	607	8,800	20,767	28,157	2,872
276	4,000	9,316	12,631	1,288	621	9,000	21,240	28,798	2,937
290	4,200	9,794	13,279	1,355	634	9,200	21,716	29,443	3,003
303	4,400	10,272	13,927	1,421	648	9,400	22,192	30,088	3,069
317	4,600	10,750	14,575	1,487	662	9,600	22,668	30,734	3,134
331	4,800	11,228	15,223	1,553	676	9,800	23,144	31,379	3,200
345	5,000	11,706	15,871	1,619	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 LOW-CLEARANCE WRENCH

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

FULL RANGE

FULL RANGE

5³/₈"

5³/₄"

BAR	P.S.I	FT./LBS.	nM	KGf*M
14	200	444	602	62
28	400	888	1,205	123
41	600	1,333	1,807	185
55	800	1,777	2,409	246
69	1,000	2,221	3,012	308
83	1,200	2,689	3,646	372
97	1,400	3,157	4,280	437
110	1,600	3,624	4,914	502
124	1,800	4,092	5,548	566
138	2,000	4,560	6,182	631
152	2,200	5,033	6,823	696
165	2,400	5,505	7,464	762
179	2,600	5,978	8,105	827
193	2,800	6,451	8,746	892
207	3,000	6,924	9,387	958
221	3,200	7,404	10,039	1,024
234	3,400	7,884	10,690	1,091
248	3,600	8,365	11,341	1,157
262	3,800	8,845	11,992	1,223
276	4,000	9,325	12,643	1,290
490	4,200	9,806	13,296	1,356
303	4,400	10,288	13,949	1,423
317	4,600	10,769	14,601	1,489
331	4,800	11,251	15,254	1,556
345	5,000	11,732	15,907	1,623

BAR	P.S.I	FT./LBS.	nM	KGf*M
359	5,200	12,225	16,575	1,691
372	5,400	12,718	17,244	1,759
386	5,600	13,212	17,912	1,827
400	5,800	13,705	18,581	1,895
414	6,000	14,198	19,249	1,963
427	6,200	14,677	19,899	2,030
441	6,400	15,156	20,549	2,096
455	6,600	15,636	21,199	2,162
469	6,800	16,115	21,849	2,229
483	7,000	16,595	22,499	2,295
496	7,200	17,079	23,156	2,362
510	7,400	17,563	23,812	2,429
524	7,600	18,047	24,469	2,496
538	7,800	18,532	25,126	2,563
552	8,000	19,016	25,782	2,630
565	8,200	19,533	26,483	2,701
579	8,400	20,050	27,184	2,772
593	8,600	20,566	27,884	2,844
607	8,800	21,083	28,585	2,915
621	9,000	21,600	29,286	2,987
634	9,200	22,140	30,018	3,061
648	9,400	22,680	30,750	3,136
662	9,600	23,220	31,482	3,211
676	9,800	23,760	32,214	3,285
700	10,000	24,300	32,946	3,360

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 LOW-CLEARANCE WRENCH

IU-50XL TORQUE CHART 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	BAR	P.S.I.	FT./LBS.	nM	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M	BAR	P.S.I.	FT./LBS.	nM	KGF*M					
14	200	853	1,157	118	359	5,200	24,471	33,178	3,384	427	6,200	29,302	39,728	4,052	496	7,200	34,151	46,303	4,722	565	8,200	39,124	53,045	5,410	634	9,200	45,618	61,850	6,307					
28	400	1,706	2,313	236	372	5,400	25,432	34,481	3,517	441	6,400	30,288	41,065	4,188	510	7,400	35,054	47,527	4,847	579	8,400	40,484	54,889	5,598	648	9,400	46,671	63,277	6,453					
41	600	2,559	3,470	354	386	5,600	26,393	35,784	3,649	455	6,600	31,275	42,403	4,324	524	7,600	35,957	48,751	4,972	593	8,600	41,845	56,734	5,786	662	9,600	47,723	64,704	6,598					
55	800	3,412	4,626	472	400	5,800	27,354	37,087	3,782	469	6,800	32,261	43,741	4,461	538	7,800	36,860	49,976	5,097	607	8,800	43,205	58,579	5,974	676	9,800	48,776	66,131	6,744					
69	1,000	4,265	5,783	590	414	6,000	28,315	38,390	3,915	483	7,000	33,248	45,078	4,597	552	8,000	37,763	51,200	5,221	621	9,000	44,566	60,423	6,162	690	10,000	49,828	67,558	6,889					
83	1,200	5,167	7,005	715	427	6,200	29,302	39,728	4,052	496	7,200	34,151	46,303	4,722	565	8,200	39,124	53,045	5,410	579	8,400	40,484	54,889	5,598	648	9,400	46,671	63,277	6,453					
97	1,400	6,068	8,227	839	441	6,400	30,288	41,065	4,188	455	6,600	31,275	42,403	4,324	510	7,400	35,054	47,527	4,847	593	8,600	41,845	56,734	5,786	662	9,600	47,723	64,704	6,598					
110	1,600	6,970	9,450	964	469	6,800	32,261	43,741	4,461	483	7,000	33,248	45,078	4,597	524	7,600	35,957	48,751	4,972	607	8,800	43,205	58,579	5,974	676	9,800	48,776	66,131	6,744					
124	1,800	7,871	10,672	1,089	496	7,200	34,151	46,303	4,722	510	7,400	35,054	47,527	4,847	538	7,800	36,860	49,976	5,097	621	9,000	44,566	60,423	6,162	690	10,000	49,828	67,558	6,889					
138	2,000	8,773	11,895	1,213	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	634	9,200	45,618	61,850	6,307					
152	2,200	9,741	13,208	1,347	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	662	9,600	47,723	64,704	6,598					
165	2,400	10,710	14,521	1,481	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	676	9,800	48,776	66,131	6,744					
179	2,600	11,678	15,834	1,615	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	690	10,000	49,828	67,558	6,889					
193	2,800	12,647	17,147	1,749	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					
207	3,000	13,615	18,459	1,883	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					
221	3,200	14,600	19,795	2,019	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					
234	3,400	15,585	21,130	2,155	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					
248	3,600	16,570	22,466	2,291	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										
262	3,800	17,555	23,801	2,428	662	9,600	47,723	64,704	6,598	676	9,800	48,776	66,131	6,744																				
276	4,000	18,540	25,137	2,564	676	9,800	48,776	66,131	6,744	690	10,000	49,828	67,558	6,889																				
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																														

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).