



**ITS1**  
(Square Drive) Hydraulic Torque Wrench  
**Torque Chart**

Pressure (psi)	Pressure (bar)	Torque (Nm)
1,015	70	185
1,160	80	212
1,305	90	238
1,450	100	265
1,595	110	291
1,740	120	318
1,885	130	344
2,030	140	370
2,175	150	397
2,320	160	423
2,465	170	450
2,610	180	476
2,755	190	503
2,900	200	529
3,045	210	556
3,190	220	582
3,335	230	609
3,480	240	635
3,625	250	662
3,770	260	688
3,915	270	715
4,060	280	741
4,205	290	767
4,350	300	794
4,495	310	820
4,640	320	847
4,785	330	873
4,930	340	900
5,075	350	926
5,220	360	953
5,365	370	979
5,510	380	1,006
5,655	390	1,032
5,800	400	1,059
5,945	410	1,085
6,090	420	1,111
6,235	430	1,138
6,380	440	1,164
6,525	450	1,191
6,670	460	1,217
6,815	470	1,244
6,960	480	1,270
7,105	490	1,297
7,250	500	1,323
7,395	510	1,350
7,540	520	1,376
7,685	530	1,403
7,830	540	1,429
7,975	550	1,456
8,120	560	1,482
8,265	570	1,508
8,410	580	1,535
8,555	590	1,561
8,700	600	1,588
8,845	610	1,614
8,990	620	1,641
9,135	630	1,667
9,280	640	1,694
9,425	650	1,720
9,570	660	1,747
9,715	670	1,773
9,860	680	1,800
10,005	690	1,826
10,150	700	1,852

Values:	Formulae:	Example:
a) Torque Required b) Max. Torque Rating of the Hydraulic Torque Wrench	To calculate Pressure (bar):  <b>Pressure (bar) = (a x 700) / b</b>	a = 662 Nm b = 1,852 Nm  Pressure (bar) = (662 x 700) / 1,852  Pressure = 250 bar
a) Pressure (bar) b) Max. Torque Rating of the Hydraulic Torque Wrench	To calculate Torque Generated:  <b>Torque = (a / 700) x b</b>	a = 500 bar b = 1,852 Nm  Torque = (500 / 700) x 1,852  Torque = 1,323 Nm

\*values calculated in the above 'Torque' & 'Example' columns are approximate values\*