



ITS3
(Square Drive) Hydraulic Torque Wrench
Torque Chart

Pressure (psi)	Pressure (bar)	Torque (Nm)
1,015	70	436
1,160	80	499
1,305	90	561
1,450	100	623
1,595	110	686
1,740	120	748
1,885	130	810
2,030	140	873
2,175	150	935
2,320	160	998
2,465	170	1,060
2,610	180	1,122
2,755	190	1,185
2,900	200	1,247
3,045	210	1,309
3,190	220	1,372
3,335	230	1,434
3,480	240	1,496
3,625	250	1,559
3,770	260	1,621
3,915	270	1,683
4,060	280	1,746
4,205	290	1,808
4,350	300	1,870
4,495	310	1,933
4,640	320	1,995
4,785	330	2,057
4,930	340	2,120
5,075	350	2,182
5,220	360	2,244
5,365	370	2,307
5,510	380	2,369
5,655	390	2,431
5,800	400	2,494
5,945	410	2,556
6,090	420	2,618
6,235	430	2,681
6,380	440	2,743
6,525	450	2,806
6,670	460	2,868
6,815	470	2,930
6,960	480	2,993
7,105	490	3,055
7,250	500	3,117
7,395	510	3,180
7,540	520	3,242
7,685	530	3,304
7,830	540	3,367
7,975	550	3,429
8,120	560	3,491
8,265	570	3,554
8,410	580	3,616
8,555	590	3,678
8,700	600	3,741
8,845	610	3,803
8,990	620	3,865
9,135	630	3,928
9,280	640	3,990
9,425	650	4,052
9,570	660	4,115
9,715	670	4,177
9,860	680	4,239
10,005	690	4,302
10,150	700	4,364

Values:	Formulae:	Example:
a) Torque Required b) Max. Torque Rating of the Hydraulic Torque Wrench	To calculate Pressure (bar): Pressure (bar) = (a x 700) / b	a = 1,559 Nm b = 4,364 Nm Pressure (bar) = (1,559 x 700) / 4,364 Pressure = 250 bar
a) Pressure (bar) b) Max. Torque Rating of the Hydraulic Torque Wrench	To calculate Torque Generated: Torque = (a / 700) x b	a = 500 bar b = 4,364 Nm Torque = (500 / 700) x 4,364 Torque = 3,117 Nm

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