

Company Profile



BOLTING INTEGRITY SOLUTION

❖ ABOUT US:

We ourselves would like to introduce as M/S OM SAI LOGISTICS is part of Trayo Group located at Jamnagar with Annual Group Turnover of Rs.12.50 Crores.

Presently we undertakes an array of on-site bolting services ranging from simple bolting of a single flange joint, to major constructions and maintenance of bolted joints of critical applications.

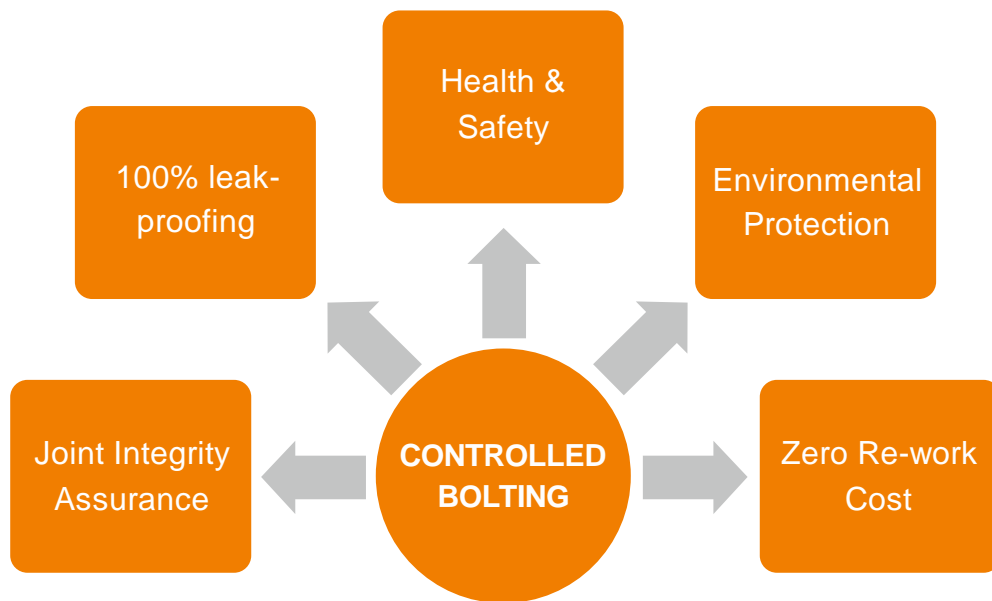
Om Sai Logistics utilizes the highest-standard methodology with Technical association of Powertorc (Powertorc is one of the fast growing manufacturing company who provides wide range of Hydraulic Bolt Torqueing and Tensioning equipment's) in hydraulic bolting, bolt tensioning and bolt torqueing technology when it comes to overall joint integrity.

Om Sai Logistics provides multi-skilled technicians with specialist portable equipment, achieving a high quality service with specific focus to Health, Safety and Environment. We provide complete training to our engineers & technician prior to their on-site jobs. Our Engineers & Technicians combine innovative thinking with industry-tested methods and ensure controlled bolting services are carried out with unmatched speed, precision, and safety.

We have the capability and expertise to respond quickly to tight customer deadlines and offer 24/7 service, our infrastructure and locations enable us to respond quickly to customer needs throughout the India.

❖ CONTROLLED BOLTING SOLUTION:

Controlled bolting ensures accurate Torqueing / Tensioning and eliminates any ambiguity regarding Joint Integrity. In other words, controlled bolting leads to Joint Integrity Assurance for leak-proof bolting which prevents any hazardous effects due to inaccuracy. This results in 100% leak-proofing, safety and environmental protection from these harmful effluents.



FORMULAE

Important Formulae:

1. Pressure, $P = F/A$

Where, P = Pressure;
 F = Force or Load;
 A = cross-sectional area.

2. Torque, $T = F \cdot d$

Where, F = Force applied in the perpendicular direction
 d = displacement.

3. Bolt Stress = Bolt Load / Bolt Tensile Stress Area

4. Flow, $Q = V / t$

Where, V = volume;
 t = time.

Conversions:

1. Pressure: 1 Bar = 14.5 psi = 1.02 kg/cm²

1 MPa = 10 Bar
1 N/mm² = 10 Bar
1 kgf/cm² = 1 Bar

2. Load: 1 kg = 9.81 N

1 ton = 1000 kg = 9810 N

3. Torque: 1 Nm = 0.738 lbs.ft

1 kgm = 9.81 Nm

4. Power: 1HP = 0.74 kW

5. Weight: 1 kg = 2.205 lbs

6. Length: 1 in = 25.4 mm

1 ft = 304.8 mm

❖ VISION:

To be a successful service oriented company by meet or exceed our customer needs and expectations by delivering cost effective, right quality and customer oriented service on time. We aim to be known as symbol of reliability, innovation and hard work.

❖ QUALITY POLICY:

OM SAI LOGISTICS is committed to achieve and sustain excellence in its construction business through an established Quality Management System.

We aim achieve Customer Satisfaction by providing Goods and Services as per contractual, statutory and regulatory requirements and in the process improving company's competencies and competitiveness.

We shall achieve this through continual improvement or our business processes, organization drive on innovation and productivity and effective human resource management.

We value training and sharing of information at all levels within the organization.

QUALITY OBJECTIVES

- Enhancement of Customer Satisfaction.
- Timely completion of Project.
- Effective Planning and Monitoring System.
- Effective Human Resources Management.
- Continual Improvement in Productivity of our Resources.

❖ SAFETY POLICY:

OM SAI LOGISTICS will provide manpower that are reliable, safety-minded and verifiably skilled. OSL has a reputation for the highest safety standards in our industry.

Our Program Includes:

- Random Worksite safety inspections
- Pre-employment, post-accident and random drug testing
- Weekly Toolbox Safety Talks
- Site specific safety co-ordination with Clients
- First Aid, CPR and AED training
- Confined Space training
- Use of Personal Protective Equipment
- Other specialized topics as per Clients and OSHA requirements

Om Sai Logistics goal for its services is the protection of personnel, equipment, and the environment. By maintaining comprehensive guidelines for proper EHS management of our personnel, we provide the safest and most regulatory compliant personnel in the industry. Our emphasis on safety starts at

The top of the organization and is taught to all personnel as the major basis for project performance. Our EHS guidelines provide the basis for all site specific programs that are used throughout the world. With a high level of safety consciousness, OSL personnel maintain high levels of productivity and get the job done either on time or early.

❖ AREA OF OPERATION:

On-Site Structural Bolt Torqueing



This service provides a simple and safe method for ensuring controlled tightening and loosening of bolts. A wide range of light, compact, safe and easy-to-use hydraulic, pneumatic, and electric torque tools are available.

On-Site Piping Bolt Torqueing & Tensioning



OSL's Stud Tensioning service is an accurate method of tightening threaded fasteners and subsequently inducing load through advanced hydraulic technology – all without directly turning the nut thereby avoiding frictional losses. Stud Tensioning insures that gaskets are compressed as required by the manufacturer in order to achieve optimum joint integrity.

OSL's team of experienced and trained technicians ensures that any tensioning job is done efficiently, safely and to the industry's highest standards. Our hydraulic stud tensioners apply loads that are reliable and accurate with long-lasting, high pressure/low friction seals. The tensioners are designed with quality, simplicity and versatility in mind.

Annual Rate Contracts for Controlled Bolting



Om Sai Logistics specializes in undertaking Annual Rate Contracts for controlled bolting services. Such contracts are supported with prompt mobilization of resources and efficient repair services.

Plant Turnaround & Shutdown



Om Sai Logistics holds competence in managing complex situations like Plant Turnaround & Shutdown Maintenance with utmost precision, speed and safety.

❖ EQUIPMENT RESOURCES:

ELECTRICALLY OPERATED POWER PACK FOR TORQUE WRENCHES



MODEL NO.	:	PE-1
Power Rating	:	1.5HP
Maximum Pressure	:	700Bar
Flow Rate	:	9.7LPM @ 100Bar 0.97LPM @ 700Bar
Tank Capacity	:	8 Liters
Available Qty.	:	20 Nos.

ELECTRICALLY OPERATED THREE STAGE POWER PACK FOR TORQUE WRENCHES



MODEL NO.	:	PE-3
Power Rating	:	1.5HP
Maximum Pressure	:	700Bar
Flow Rate	:	7LPM @ 100Bar 0.9LPM @ 700Bar
Tank Capacity	:	8 Liters
Available Qty.	:	5 Nos.

PNEUMATICALLY OPERATED HYDRAULIC POWER PACK FOR TORQUE WRENCHES



MODEL NO.	:	PA-1
Power Rating	:	1.5HP
Maximum Pressure	:	700Bar
Flow Rate	:	7.5LPM @ 50Bar 0.9LPM @ 700Bar
Tank Capacity	:	10 Liters
Available Qty.	:	5 Nos.

PNEUMATICALLY OPERATED THREE STAGE HYDRAULIC POWER PACK FOR TORQUE WRENCHES

OM SAI LOGISTICS

(A UNIT OF TRAYO GROUP)



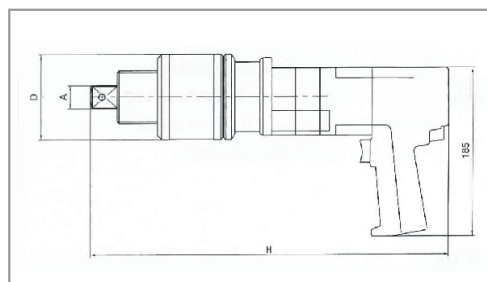
MODEL NO.	:	PA-3
Power Rating	:	1.1 KW
Maximum Pressure	:	700Bar
Flow Rate	:	7LPM @ 50Bar 1.6LPM @ 200Bar 0.9LPM @ 700Bar
Tank Capacity	:	8 Liters
Available Qty.	:	2 Nos.

PNEUMATICALLY OPERATED HYDRAULIC POWER PACK FOR BOLT TENSIONERS



MODEL NO.	:	PA-1BT
Pressure Ratio	:	1:220Bar
Tank Capacity	:	10 Liters
Flow at Max. Pressure	:	0.01 Liter per min.
Air Pressure	:	1.8 – 7 Bar
Available Qty.	:	6 Nos.

PNEUMATIC TORQUE WRENCH



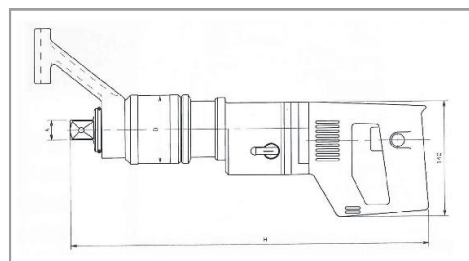
Technical Data

TYPE	Torque (Nm)	Square drive min-max	Gear diam. (mm) D	Height (mm) H	Weight (kgs)	No-load speed
PTP-80	40-800	3/4" & 1"	88	360	6	19
PTP-120	40-1200	1"	88	360	7	19
PTP-250	70-2500	1"	88	410	7	7,5
PTP-400	70-4000	1 1/2"	88	410	8	7,5
PTP-500	100-5000	1 1/2"	88	460	9	2
PTP-600	400-6000	1 1/2"	130	420	12	2,8
PTP-1000	450-10000	1 1/2"	130	460	16	1,8

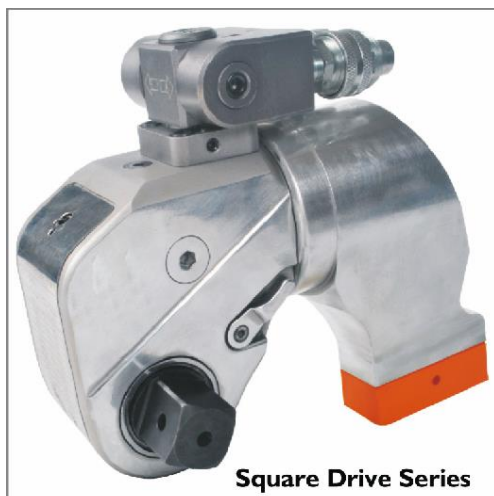
ELECTRIC TORQUE WRENCH

Technical Data

TYPE	Torque (Nm) min.-max.	Gear diam. (mm) D	Height (mm) H	Weight (kgs)	No-load speed	Square Drive
PET-81	90-850	88	510	6,5	16	3/4" & 1"
PET-101	30-1200	88	510	8	14	1"
PET-241	430-2500	88	540	9	9	1"
PET-351	360-3500	88	550	10	8	1 1/2"
PET-501	800-5000	88	610	11	3	1 1/2"
PET-601/1	820-6000	130	585	15	6	1 1/2"
PET-901	1930-10000	130	620	18	2,5	1 1/2"



HYDRAULIC TORQUE WRENCHES



Square Drive Series

SQUARE DRIVE TYPE

Model Nos	Units	PS-2	PS-5	PS-8	PS-10	PS-15	PS-25	PS-35	PS-50	PS-70
Square Drive	Inch	3/4	1	1.1/2	1.1/2	1.1/2	2.1/2	2.1/2	2.1/2	2.1/2
Torque Range	Nm	180-1810	450-4510	750-7520	1070-10800	1550-15510	2650-26600	3470-34750	4850-48600	7 150-71499
	Ft.Lbs	135-1357	331-3333	553-5553	775-7965	1106-11450	1917-19675	2551-25630	3611-36113	5324-53248
Body Length (L1)	mm	142	175	210	222	244	305	324	370	400
	inch	5.59	6.88	8.26	8.74	9.6	12	12.75	14.6	15.75
Overall length (L2)	mm	170	230	270	290	316	382	400	465	516
	inch	6.81	9.01	10.62	11.49	12.48	15.00	15.75	18.3	20.31
Tool Width (H1)	mm	50	68	80	90	100	120	135	152	160
	inch	1.97	2.68	3.15	3.54	3.94	4.72	5.31	5.98	6.30
Overall Width Includes Square drive(H2)	mm	71	95	122	134	142	182	200	216	222
	inch	2.83	3.7	4.84	5.2	5.59	7.2	7.87	8.5	8.74
Tool height (H3)	mm	95	125	148	167	181	220	246	282	290
	inch	3.77	4.96	5.88	6.57	7.16	8.66	9.68	11.1	11.415
Overall Height (H4)	mm	130	175	198	216	230	270	296	331	340
	inch	5.15	6.92	7.83	8.54	9.13	10.62	11.69	13.07	13.38
Tool Radius Around Bolt (R1)	mm	26	34	38	47	50	60	66	77	80
	inch	1.01	1.33	1.53	1.85	2	2.32	2.59	3.03	3.15
Reaction Reach (R2)	mm	85	115	137	152	154	185	199	240	260
	inch	3.34	4.48	5.39	6.02	6.06	7.32	7.83	9.48	10.23
Weight	Kg	2.5	5.0	8.0	11.0	15.2	26.5	35	50	87
	Lbs	5.5	11	17.6	24.2	33.44	57.2	74.8	110	191.4

DIRECT HEX TYPE



HEX TYPE

Model Nos	Units	PH-2	PH-6	PH-8	PH-20	PH-45
Torque Range	Nm	230-2410	580-6470	1090-11770	1850-18520	4180-44600
	Ft.Lbs	172-1935	400-4800	777-8726	1370-13722	3038-33038
Nut on the side	mm	19-60	34-80	41-105	50-117	110-175
	inch	¾-2.3/8	1.5/16-3.1/8	1.5/8-4.1/8	2-4.1/2	4.1/4-6.7/8
Overall Length L	mm	196.4	246	301	361	441
	inch	7.7	9.6	11.8	14.27	17.36
H1	mm	128.5	187	216	239	315
	inch	5.05	7.36	8.5	9.4	12.4
H2	mm	105	145.7	178	204	285
	inch	4.13	5.73	7	8.03	11.22
Width at the link W1	mm	32	42	53	64	85
	inch	1.25	1.625	2.1	2.55	3.34
Width at the cylinder W2	mm	51	66	83	99	131
	inch	2	2.59	3.26	3.89	5.15
Nose Radius (R)	mm	27 to 46	36 to 61	46 to 78	60 to 87	85 to 175
Weight	Kg	1	2	3.3	5.5	11.4
Drive Unit	Lbs	2.2	4.4	7.2	12.1	25.3
Weight	Kg	1.7	4.6	8.4	11.6	30
Ratchet Unit	Lbs	3.7	10.1	18.4	25.5	66

HYDRAULIC BOLT TENSIONERS



Model No	Bolt / Stud Size		Cylinder (tons)	Stroke Cap (mm)	Effective Area (cm ²)	Dimension									Approx. Weight Kg
	(metric)	(Inch)				A	B	C	D	E	F	G	H	J	
PHT-3	M16	-				62	90	168	75	49	28	16	30	32.5	2
	M18	3/4"								49					
	M20	-	23.5	10	15.7					51					
	M22	7/8"								51					
	M24	1"								60					
PHT-5	M27	1 1/8"				60	106	187	102	60	44	22	36	47	4
	M30	-								72					
	M33	1 1/4"	50	15	33					74					
	M36	1 3/8"								76					
	M39	1 1/2"								80					
PHT-9	M39	1 1/2"				60	120	208	133	88	56	28	49	61	6
	M42	1 5/8"								90					
	M45	1 3/4"	90	15	59.7					94					
	M48	1 7/8"								100					
PHT-13	M52	2"				62	135	231	163	104	68	34	59	73	10
	M48	1 7/8"								110					
	M52	2"								112					
	M56	2 1/4"	125	15	83					118					
	M60	-								126					
PHT-19	M64	2 1/2"				62	150	254	193	126	80	42	66	86.5	15
	M64	2 1/2"								136					
	M68	-								144					
	M72	2 3/4"	185	15	123					146					
PHT-27	M76	3"				73	180	286	233	154	104	48	77	110	24.5
	M76	3"								162					
	M80	-								162					
	M85	3 1/4"	265	15	176					174					
	M90	3 1/2"								185					
	M95	3 3/4"								200					
	M100	4"								212					

FLANGE SPREADER

Type	Standard Hydraulic Flange Spreader	
Model No.	PFS-10M	PFS-10H
Jaws Closed	2.3mm / 0.09"	2.3mm / 0.09"
Jaws Open	76.2mm / 3"	76.2mm / 3"
Width of Jaws	114mm / 4.5"	114mm / 4.5"
Width of Body	114mm / 4.5"	114mm / 4.5"
Jaw Penetration	38.1mm / 1.5"	38.1mm / 1.5"
Rated Force	4.5ton / 10,000lbs	4.5ton / 10,000lbs
Weight	6.1kg / 13lbs	5.4kg / 12lbs

Type	Wedge type Flange Spreader	
Model No.	PFS-8M	PFS-14H
Jaws Closed	6mm / 0.24"	6mm / 0.24"
Jaws Open	80mm / 3.16"	80mm / 3.16"
Rated Force	8ton / 17,000lbs	14ton / 30,000lbs
Weight	7kg / 16lbs	8kg / 18lbs



❖ MANPOWER RESOURCES:

MANAGEMENT STAFF			
SR.NO	CATEGORY	NOS	REMARKS
1	PROJECT MANAGER	1	
2	SITE IN CHARGE	3	
3	QUALITY IN-CHARGE	1	
4	SAFETY IN-CHARGE	1	
5	PLANNING ENGINEER	2	
6	QA/QC ENGG.	4	
7	EXECUTION ENGINEER	10	
8	SAFETY OFFICER	3	
9	P & A OFFICER	3	
	TOTAL	28	
TECHNICIANS			
1	TECHNICIAN	30	
2	ASST. TECHNICIAN	60	
3	OTHERS	20	
	TOTAL	110	

❖ CONTACT US:

OM SAI LOGISTICS

330-3rd FLOOR, MADHAV SQUARE,
LIMDA LANE CORNER, OPP.CRICKET BUNGLOW,
JAMNAGAR - 361001. PH: 0288-2661355

Anil Kumar Singh (CEO) - +91 99138 69616 / 99137 91111
Naveen Kumar (Project Manager) - + 91 99789 06817



Email Id: trayogroup@gmail.com, anilsingh096@gmail.com
Website: www.trayogroup.com

❖ SERVICE TAX CERTIFICATE



GOVERNMENT OF INDIA		CENTRAL BOARD OF EXCISE AND CUSTOMS		
Ministry of Finance - Department of Revenue				
FORM ST-2				
<p>Shri/Ms. OM SAI LOGISTICS (PROP. ANIL KUMAR), 330MADHAV SQUARE, LIMDALANE, JAMNAGAR-361001 having undertaken to comply with the conditions prescribed in Chapter V of the Finance Act, 1994 read with the Service Tax Rules, 1994, and any orders issued thereunder is hereby certified to have been registered with the Central Excise Department. The Service Tax Code and other details are mentioned hereunder.</p>				
Name :	OM SAI LOGISTICS (PROP. ANIL KUMAR)			
Address :	330MADHAV SQUARE, LIMDALANE, JAMNAGAR-361001			
PAN No :	AVXPK4853D			
Name as in PAN :	ANIL KUMAR			
Nature of registration :	Registration of a single premise			
Service Tax Code(Registration Number) :	AVXPK4853DSD001			
Taxable services :	Erection, commissioning and installation Service, Rent-a-cab scheme operator Service, Consulting engineer services, Manpower recruitment/supply agency service, Cargo handling service, Maintenance or repair service, Construction services other than residential complex, including commercial/industrial buildings or civil structures			
ADDRESS OF BUSINESS PREMISES				
Name Of Premises/Building :	MADHAV SQUARE	Flat / Door / Block No :	330	
Road / Street / Lane :	CRICKET BUNGALOW	Village / Area / Lane :	LIMDA LANE	
Block / Taluk / Sub-Division / Town :	JAMNAGAR	Post Office :	JAMNAGAR	
City / District :	JAMNAGAR	State / Union Territory :	GUJARAT	
PIN :	361001	Phone Number :	9913869616	
Mobile Number :	9913869421	Fax Number-1 :		
Fax Number 2 :		Email Address :	trayogroup@gmail.com	
<p>This Certificate is issued incorporating the changes intimated by the applicant and the previous certificate of registration bearing Registration Number AVXPK4853DSD001 issued on 23/10/2015 stand cancelled.</p>				
Sl No	Types of Services	Accounting Codes		
		Tax Collection	Other Receipts (Interest)	Penalties
1	Erection, commissioning and installation Service	00440233	00440234	
2	Rent-a-cab scheme operator Service	00440048	00440049	
3	Consulting engineer services	00440057	00440058	
4	Manpower recruitment/supply agency service	00440060	00440061	
5	Cargo handling service	00440189	00440190	
6	Maintenance or repair service	00440245	00440246	
7	Construction services other than residential complex, including commercial/industrial buildings or civil structures	00440290	00440291	
CESSES				
<p>Note : 1. In case the registrant starts providing any other taxable service (other than those mentioned above), he shall intimate the department. 2. In case the registrant starts billing from other premises (other than those mentioned above), he shall intimate</p>				

❖ TORQUE SPECIFICATION:

Metric Sizes

Bolt Size 	A / F mm 	Tightening Force = P(N) Torque = M _A (Nm)					
		8.8		10.9		12.9	
		P	M _A	P	M _A	P	M _A
		N	Nm	N	Nm	N	Nm
M 2	4	863	0.373	1216	0.520	1461	0.628
M 2.3	4.5	1245	0.598	1755	0.843	2099	1.010
M 2.6	5	1598	0.863	2246	1.206	2697	1.451
M 3	5.5	2206	1.344	3109	1.883	3727	2.256
M 3.5	6	2962	2.060	4168	2.893	5001	3.481
M 4	7	3825	3.040	5374	4.315	6453	5.148
M 5	8-9	6257	6.031	8806	8.483	10591	10.200
M 6	10	8836	10.300	12405	14.710	14906	17.625
M 7	11-12	12945	17.162	18191	24.517	21771	28.439
M 8	13-14	16230	25.497	22751	35.304	27360	42.168
M 10	15-17	25791	50.014	36284	70.608	43541	85.317
M 12	19-21	37657	87.279	52956	122.60	63547	147.10
M 14	22-23	51681	138.30	72667	194.20	87279	235.40
M 16	24-26	71196	210.80	100027	299.10	120131	357.90
M 18	27	86494	289.30	121602	411.90	146118	490.30
M 20	30	111305	411.90	156415	578.60	187796	696.30
M 22	32	139254	559.00	195642	784.50	234378	941.40
M 24	36	160338	711.00	225552	1000	270662	1196
M 27	41	210842	1049	296159	1481	355980	1775
M 30	46	255952	1422	359902	2010	432471	2403
M 33	50	319695	1932	449142	2716	539363	3266
M 36	55	374612	2481	527595	3491	632526	4197
M 39	60	451104	3226	633506	4531	760992	5443
M 42	65	515827	3991	725688	5609	870826	6727
M 45	70	604087	4992	850232	7012	1019886	8414
M 48	75	679597	6021	956144	8473	1147372	10150
M 52	80	815909	7747	1147372	10885	1377827	13092
M 56	85	940453	9650	1323891	13582	1588669	16279
M 60	90	1098339	11964	1544540	16867	1853447	20202
M 64	95	1245438	14416	1750478	20300	2098612	24320
M 68	100	1425787	17615	2005013	24771	2406016	29725
M 72	105	1620036	21081	2278175	29645	2733810	35575
M 76	110	1826672	24973	2568758	35118	3082510	42141
M 80	115	2045697	29314	2876762	41222	3452115	49467
M 90	130	2647453	42525	3722982	59801	4467578	71761
M 100	145	3326624	59200	4678066	83250	5613679	99900

Imperial Sizes

Bolt Size 	A / F Inches 	Tightening Force = P(N) Torque = M _A (Nm)					
		P		S		T	
		P	M _A	P	M _A	P	M _A
		N	Nm	N	Nm	N	Nm
1/4"	7/16"	4379	5.43	8320	10.3	8980	11.1
5/16"	1/2"	7344	11.2	13954	21.3	15061	23.0
3/8"	9/16"	10951	19.9	20807	37.9	22458	40.9
7/16"	5/8"	15065	31.9	28623	60.7	30894	65.5
1/2"	3/4"	20244	48.8	38463	92.7	41516	100
9/16"	7/8"	26075	70.4	49542	134	53474	144
5/8"	15/16"	32452	97.4	61658	185	66552	200
3/4"	1.1/8"	49781	178	94584	338	102091	364
7/8"	1.5/16"	67157	279	127599	530	137725	572
1"	1.1/2"	88221	418	167620	795	180923	858
1.1/8"	1.11/16"	111007	593	210913	1126	227652	1216
1.1/4"	1.7/8"	142135	837	270091	1591	291527	1717
1.3/8"	2.1/16"	168641	1096	320417	2083	345847	2248
1.1/2"	2.1/4"	206578	1456	392498	2767	423648	2987
UNF							
1/4"	7/16"	5232	6.28	9941	11.9	10730	12.9
5/16"	1/2"	8410	12.5	15979	23.8	17247	25.7
3/8"	9/16"	12911	22.7	24531	43.2	26478	46.6
7/16"	5/8"	17416	35.9	33091	68.2	35717	73.6
1/2"	3/4"	23685	55.4	45002	105	48574	114
9/16"	7/8"	30075	79.0	57143	150	61678	162
5/8"	15/16"	38156	111	72496	210	78250	227
3/4"	1.1/8"	56078	195	106549	370	115005	399
7/8"	1.5/16"	76297	309	144965	587	156470	634
1"	1.1/2"	99200	459	188480	873	203439	942
1.1/8"	1.11/16"	128738	667	244602	1267	264015	1368
1.1/4"	1.7/8"	161358	925	306580	1757	330911	1896
1.3/8"	2.1/16"	199331	1252	378728	2378	408786	2567
1.1/2"	2.1/4"	240377	1642	456717	3119	492965	3367

Note: Torque Chart as per co-efficient of friction $\mu = 0.15$

Newton - Meter Nm to Foot-Pounds lbs. ft. (1 Nm = 0.738 lbs. ft.)
Kilogram - Force Meter to Newton - Meter (1 Kgm = 9.80 Nm)