

XTORCTM INDIA

- THE RIGHT TOOLS -



ABOUT US

Engineering Excellence, Driven by Experience

XTORC was founded with a vision to provide world-class industrial tools and services tailored to modern challenges. With over a decade of experience, we're redefining how industries achieve precision, efficiency and safety.

All our products are proudly manufactured in India and certified to the highest standards, including ISO 9001:15000, CE and ATEX.

At XTORC, we believe in creating value that extends beyond products.

Our WIN-WIN-WIN philosophy ensures that our customers win, our employees thrive and our Entrepreneurs succeed.

Mission Statement:

Deliver Excellence By providing Perfect Product, Unmatched Quality, Unbeatable Prices with International Certifications
Continuous Innovation - Investing in cutting-edge technology to stay ahead in the industry

Global Expansion - Strengthening our presence in India, Europe, APAC, Middle East, USA & Africa

At XTORC, we don't just sell tools - we deliver precision, performance, and trust

Vision Statement:

At XTORC, we believe in a WIN-WIN-WIN philosophy where:

Customers Win with perfect products, unmatched quality and unbeatable prices.

Employees Win through growth, innovation, & rewarding work culture.

Entrepreneurs Win by building a brand that sets new industry benchmarks.

We strive to be the most TRUSTED and INNOVATIVE brand in Bolting and In-Situ Machining Solutions WORLDWIDE.





INSIDE

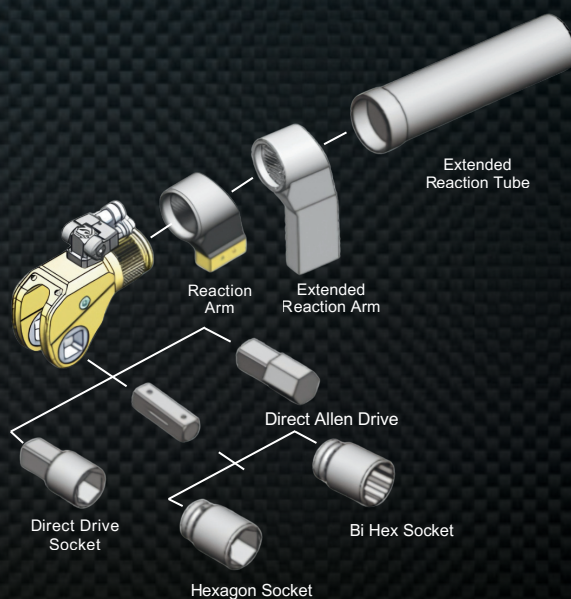
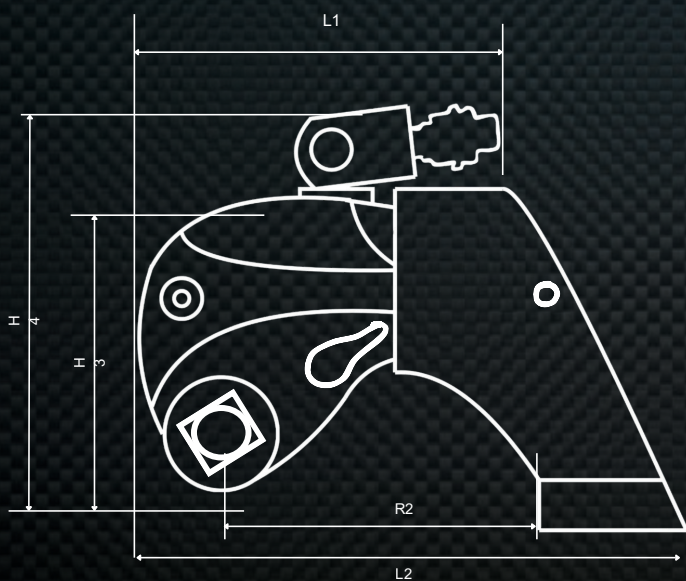
- SQUARE DRIVE HYDRAULIC TORQUE WRENCHES
- LOW PROFILE HYDRAULIC TORQUE WRENCHES
- POWERPACK FOR HYDRAULIC TORQUE WRENCHES
- ELECTRIC TORQUE WRENCHES
- MANUAL TORQUE WRENCHES / MANUAL TORQUE MULTIPLIERS
- HYDRAULIC BOLT TENSIONERS
- POWERPACK FOR HYDRAULIC BOLT TENSIONERS
- ACCESSORIES

XTORC SQUARE DRIVE HYDRAULIC TORQUE WRENCHES



XTS SERIES SQUARE DRIVE HYDRAULIC TORQUE WRENCHES

	Unit	XTS-07	XTS-1	XTS-3	XTS-5	XTS-8	XTS-10	XTS-20	XTS-25	XTS-35	XTS-50
Sq. Drive	inch	3/4"	3/4"	1"	1.1/2"	1.1/2"	1.1/2"	2.1/2"	2.1/2"	2.1/2"	2.1/2"
Min. Torque	Nm	112	172	450	740	1078	1450	2719	3472	4866	6925
Max. Torque	Nm	1120	1731	4500	7380	10780	14508	27197	34725	48666	69247
Bolt Size	mm	14-30	16-36	22-48	27-56	30-64	36-72	42-90	48-100	64-120	72-125
Weight	Kg	1.8	2.5	4.9	9.5	10.8	14.7	26	35	50	65



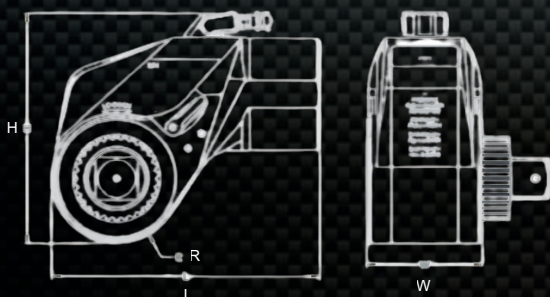
		XTS-07	XTS-1	XTS-3	XTS-5	XTS-8	XTS-10	XTS-20	XTS-25	XTS-35	XTS-50
Body Length (L1)	mm	110	144.5	178	213	222	246	305	321	371	376
	inch	4.33	5.69	7.0	8.38	8.74	9.69	12.0	12.6	14.6	14.8
Overall Length (L2)	mm	139	173	228	274.5	292	317	383	401	465	528
	inch	5.47	6.81	8.98	10.80	11.49	12.48	15.08	15.78	18.3	20.78
Tool Width (H1)	mm	42	52	69.5	82.5	92	102	112.5	120	137	162
	inch	1.65	2.04	2.74	3.24	3.62	4.01	4.43	4.72	5.39	6.14
Overall Width (H2)	mm	65	75	94	128.5	134	142	183	200	216	226
	inch	2.55	2.95	3.7	5.06	5.2	5.6	7.2	7.87	8.5	8.9
Tool Height (H3)	mm	77	95.5	115	149	167	182	220	246	282	291
	inch	3.03	3.76	4.53	5.87	6.57	7.16	8.33	9.68	11.1	11.5
Overall Height (H4)	mm	108	136	176	199	217	232	270	297	332	226
	inch	4.25	5.35	6.93	7.83	8.54	9.13	10.62	11.69	13.07	12.83
Tool Radius Around Bolt (R1)	mm	21	26.3	34.5	39	47	51	59	66	77	78.8
	inch	0.82	1.03	1.36	1.53	1.85	2	2.32	2.59	3.03	3.1
Reaction Reach (R2)	mm	68	85	111.5	140	153	154	186	199	241	295
	inch	2.67	3.35	4.39	5.51	6.02	6.06	7.32	7.83	9.48	11.6

XFR SERIES FRONT REACTION ARM SQUARE DRIVE HYDRAULIC TORQUE WRENCHES



Features

- 700 bar maximum working pressure.
- 360 degree Reaction Arm-Easy to working in any position.
- Consistent torque value output with accuracy up-to $\pm 3\%$.
- This hydraulic torque wrench is the ideal choice for you to deal with a variety of large bolting challenges.
- The innovative reaction drive technology effectively avoids the risk of torsion associated with conventional spanners and ensures safe operation.
- The wide torque range and flexible configuration options allow you to work in a variety of applications.



Maximum Torque:	43156 Nm
Square Drive Range:	3/4 - 2 1/2 inch
Accuracy:	$\pm 3\%$
Max. Pressure:	700 bar

Model Number	Drive	Torque		Weight		Dimensions (mm)			
	inch	(Nm)	Ft.lbs	KG	Lbs.	R	L	H	W
XFR-0.7	3/4"	153-1040	113-767	1	3.1	25	105.2	106.9	45.3
XFR-1	3/4"	266-1741	196-1284	2	4.5	28.6	127.9	124.9	55.2
XFR-3	1"	623-4181	460-3084	4	9.45	38.1	165.9	160.2	73.7
XFR-5	1 1/2"	1090-7267	804-5360	7	15.6	47.2	199.5	188.2	85.9
XFR-8	1 1/2"	1559-10521	1150-7760	9	20.75	52.5	224.2	212.7	98
XFR-10	1 1/2"	2440-15921	1800-11743	13	29.2	60.3	252	236	110.5
XFR-20	2 1/2"	3742-24256	2760-17890	22	47.7	66	295.7	260.6	128.8
XFR-35	2 1/2"	6650-43156	4905-31830	38	82.75	81	363.4	313.2	165.4

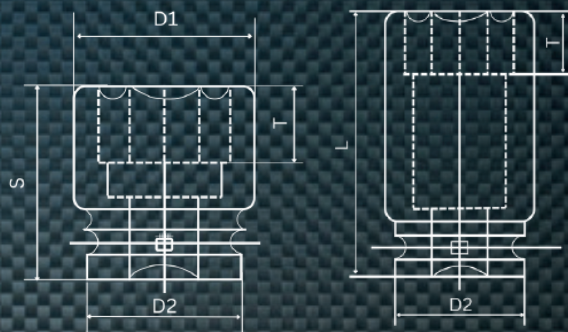
ACCESSORIES FOR HYDRAULIC TORQUE WRENCH

HEAVY DUTY IMPACT SOCKETS

The range of Imperial Impact Sockets with square drives is from 3/4" to 2.1/2" and the across flat sizes go up to 6.7/8". The Metric Impact Sockets offer 56 models with square drives ranging from 3/4" to 2.1/2" and across flat sizes up to 145mm



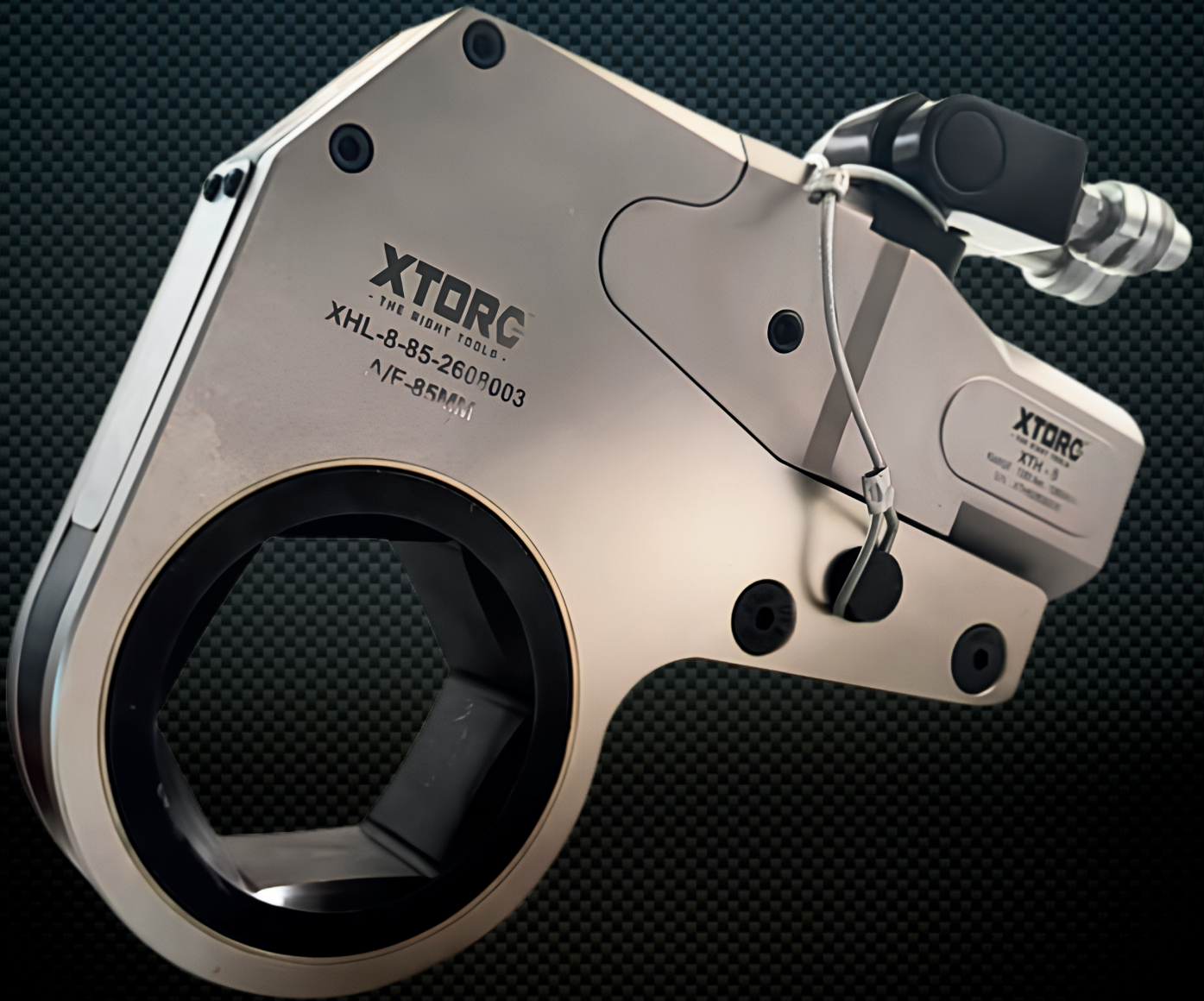
6 point IMPACT SOCKETS



Model No.	Square Drive	Nut A/F		D1	D2	S	T	L
		Inch	mm					
XTIS7524	3/4"	-	24	40	44	46	21	90
XTIS7527	3/4"	-	27	41	44	48	23	90
XTIS7527F	3/4"	1.1/16	-	41	44	48	23	90
XTIS7530	3/4"	-	30	44	44	52	24	90
XTIS7531F	3/4"	1.1/4	-	49	44	52	24	90
XTIS7532	3/4"	-	32	49	44	52	26	90
XTIS7536	3/4"	-	36	52	44	55	28	90
XTIS7536F	3/4"	1.7/16	-	52	44	56	28	90
XTIS7541	3/4"	-	41	57	44	59	36	90
XTIS7541F	3/4"	1.5/8	-	57	44	59	36	90
XTIS7546	3/4"	-	46	67	44	64	37	90
XTIS7546F	3/4"	1.13/16	-	67	44	64	36	90
XTIS7550	3/4"	-	50	70	54	67	39	90
XTIS7551F	3/4"	2	-	73	54	67	39	90
XTIS7555	3/4"	-	55	78	54	71	41	94
XTIS755F	3/4"	2.3/16	-	78	54	71	41	94
XTIS7560	3/4"	-	60	82	52	75	45	98
XTIS7560F	3/4"	2.3/8	-	82	54	75	45	98
XTIS124	1"	-	24	42	54	55	21	100
XTIS127	1"	-	27	46	54	55	23	100
XTIS127F	1"	1.1/16	-	46	54	55	23	100
XTIS130	1"	-	30	50	54	57	24	100
XTIS131F	1"	1.1/4	-	51	54	57	24	100
XTIS132	1"	-	32	51	54	57	26	100
XTIS136	1"	-	36	54	54	60	28	100
XTIS136F	1"	1.7/16	-	54	54	60	28	100
XTIS141	1"	-	41	63	54	64	36	100
XTIS141F	1"	1.5/8	-	63	54	64	36	100
XTIS146	1"	-	46	70	54	69	36	100
XTIS146F	1"	1.13/16	-	70	54	69	36	100
XTIS150	1"	-	50	73	54	72	36	100
XTIS151F	1"	2	-	73	54	72	39	100
XTIS155	1"	-	55	82	54	76	41	105
XTIS155F	1"	2.3/16	-	82	54	80	41	105
XTIS160	1"	-	60	86	54	82	45	112
XTIS160F	1"	2.3/8	-	88	54	85	45	112
XTIS165	1"	-	65	92	54	85	46	118
XTIS165F	1"	2.9/16	-	92	54	85	46	118
XTIS170	1"	-	70	96	54	88	50	124
XTIS170F	1"	2.3/4	-	96	54	88	50	124
XTIS175	1"	-	75	100	86	92	57	124
XTIS175F	1"	2.15/16	-	100	86	92	57	124
XTIS179F	1"	3.18"	-	105	86	97	57	124
XTIS180	1"	-	80	105	86	97	62	132
XTIS185	1"	-	85	115	86	100	62	132
XTIS188F	1"	3.1/2"	-	121	86	104	62	140
XTIS190	1"	-	90	127	86	104	62	140
XTIS195	1"	-	95	135	86	106	62	140
XTIS197F	1"	3.7/8"	-	135	86	112	62	143

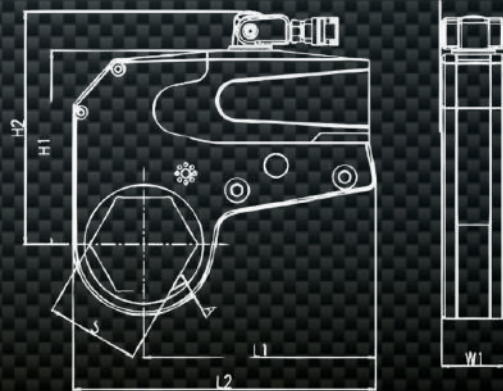
Model No.	Square Drive	Nut A/F		D1	D2	S	T	L
		Inch	mm					
XTIS1100	1"	-	100	135	86	112	62	143
XTIS1536	1.1/2"	-	36	64	86	80	28	130
XTIS1541	1.1/2"	-	41	69	86	83	32	130
XTIS1546	1.1/2"	-	46	76	86	86	36	130
XTIS1546F	1.1/2"	1.13/16	-	76	86	86	36	130
XTIS1550	1.1/2"	-	50	81	86	90	39	130
XTIS1550F	1.1/2"	2	-	81	86	90	39	130
XTIS1555	1.1/2"	-	55	88	86	95	41	140
XTIS1555F	1.1/2"	2.3/16	-	88	86	95	41	140
XTIS1560	1.1/2"	-	60	96	86	98	45	140
XTIS1560F	1.1/2"	2.3/8	-	96	86	98	45	140
XTIS1565	1.1/2"	-	65	102	86	102	46	140
XTIS1565F	1.1/2"	2.9/16	-	102	86	102	46	140
XTIS1570	1.1/2"	-	70	108	86	102	50	150
XTIS1570F	1.1/2"	2.3/4	-	108	86	102	50	150
XTIS1575	1.1/2"	-	75	116	86	108	57	150
XTIS1575F	1.1/2"	2.15/16	-	116	86	108	57	150
XTIS1580	1.1/2"	-	80	120	86	110	62	150
XTIS1580F	1.1/2"	3.1/8	-	120	86	110	62	150
XTIS1585	1.1/2"	-	85	130	86	115	62	170
XTIS1590	1.1/2"	-	90	135	125	118	65	170
XTIS1590F	1.1/2"	3.1/2	-	135	125	118	65	170
XTIS1595	1.1/2"	-	95	140	125	118	65	170
XTIS15100	1.1/2"	-	100	148	125	128	75	190
XTIS15100F	1.1/2"	3.7/8	-	148	125	128	75	190
XTIS15105	1.1/2"	-	105	155	125	133	80	190
XTIS15105F	1.1/2"	4.1/4	-	155	125	133	80	190
XTIS15110	1.1/2"	-	110	161	150	138	85	200
XTIS15115	1.1/2"	-	115	161	150	143	94	200
XTIS15115F	1.1/2"	4.5/8	-	175	150	149	94	200
XTIS2580	2.1/2"	-	80	135	125	140	62	190
XTIS2580F	2.1/2"	3.1/8	-	135	125	140	62	190
XTIS2585	2.1/2"	-	85	140	125	140	62	190
XTIS2590	2.1/2"	-	90	145	125	140	65	190
XTIS2595	2.1/2"	-	95	155	125	150	70	190
XTIS2595F	2.1/2"	3.7/8	-	155	125	150	70	190
XTIS25100	2.1/2"	-	100	160	125	150	76	200
XTIS25105	2.1/2"	-	105	165	125	160	80	200
XTIS25110	2.1/2"	-	110	174	150	160	85	210
XTIS25115	2.1/2"	-	115	180	150	170	90	210
XTIS25115F	2.1/2"	4.1/2	-	180	150	170	90	210
XTIS25125F	2.1/2"	5	-	195	150	175	98	220
XTIS25130	2.1/2"	-	130	195	150	175	98	220
XTIS25135F	2.1/2"	5.3/8	-	205	150	180	102	220
XTIS25145	2.1/2"	-	145	220	150	180	105	230
XTIS25145F	2.1/2"	5.3/4	-	220	150	180	105	230
XTIS25155F	2.1/2"	6.1/8	-	230	180	190	110	250
XTIS25165F	2.1/2"	6.1/2	-	240	180	200	120	-
XTIS25175F	2.1/2"	6.7/8	-	255	180	200	120	-

XTORC LOW PROFILE HYDRAULIC TORQUE WRENCHES



XTH SERIES DIRECT HEX TYPE HYDRAULIC TORQUE WRENCHES

	Units	XTH-2		XTH-4		XTH-8		XTH-14	XTH-32	
Min. Torque	NM	293	305	608	673	1192	1283	2222	5026	5351
Max. Torque	NM	2943	3051	6092	6733	11926	12834	22225	50258	53512
Min. Torque	FT.LBS	214	221	443	489	867	932	1615	3652	3888
Max. Torque	FT.LBS	2137	2217	4426	4891	8863	9323	16147	36511	38875
Across Flat	MM	19-55	55-60	34-65	70-80	46-95	100-105	50-117	110-155	160-180
	INC	3/4-2.3/16	2.3/16-2.3/8	1.5/16-2.9/16	2.3/4-3.1/8	1.13/16-3.3/4	3.7/8-4.1/8	2-4.1/2	4.1/4-6.1/8	6.1/8-7.1/16
Weight	KG	1.5	1.5	3.2	3.2	5.3	5.3	9.8	15	15
Drive Unit	LBS	3.3	3.3	7	7	11.6	11.6	21.6	33	33
Weight	KG	1.7	1.85	4.1	4.2	8.7	8.8	11.5	32	35
Ratchet Unit	LBS	3.7	4	9	9.2	19	19.4	25	70	77



	Units	XTH-2		XTH-4		XTH-8		XTH-14	XTH-32	
Overall Length (L)	mm	179	183	223	223	287	287	350	435	447
	Inch	7.04	7.2	8.7	8.7	11.29	11.29	13.77	17.12	17.59
(H1)	mm	142	142	184	184	209	209	240	320	320
	Inch	5.59	5.59	7.24	7.24	8.22	8.22	9.4	12.59	12.59
(H2)	mm	109.5	109.5	143.5	143.5	185	185	205	290	290
	Inch	4.31	4.31	5.64	5.64	7.28	7.28	8.07	11.41	11.41
Width at Link (W1)	mm	32.2	32.2	40.6	40.6	52.5	52.5	63	83	83
	Inch	1.26	1.26	1.59	1.59	2.06	2.06	2.48	3.26	3.26
Width at Cylinder (W2)	mm	34.4	34.4	49.5	49.5	61.5	61.5	81	93	93
	Inch	1.35	1.35	1.94	1.94	2.42	2.42	3.18	3.66	3.66
Nose Radius (R)	mm	22-43	43-46	33-55	55-60	42-76	76-81	52-92	90-116	116-128
R Min	mm	9.5	10.5	13.52	13.7	18	18	2	25.7	25.7
R Max	mm	12.2	10.75	17	17	20	20	25.5	27.5	27.5

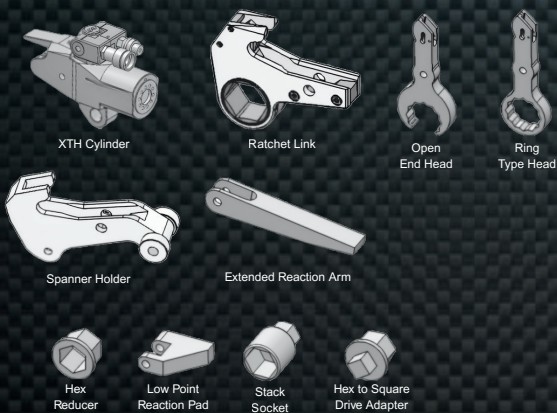
LINK SELECTION



FEATURES:

- Compact design with longer arm improves the reliability More accurate and easier to use, since the wrench directly operates on the nuts.
- 360 x 180 degree swivel allows the wrench to operate freely in confined areas.

ACCESSORIES



XTH-2 Link	Hex Size	
	Imperial	Metric
XHL-2-19	3/4	19 MM
XHL-2-20	13/16"	
XHL-2-21		21mm
XHL-2-22	7/8"	22mm
XHL-2-23	15/16"	
XHL-2-24		24mm
XHL-2-25	1"	
XHL-2-27	1-1/16"	27mm
XHL-2-28	1-1/8"	
XHL-2-30	1-3/16"	30mm
XHL-2-31	-1/4"	
XHL-2-32		32mm
XHL-2-33	1-5/16"	
XHL-2-34		34mm
XHL-2-35	1-3/8"	35mm
XHL-2-36		36mm
XHL-2-37	1-7/16"	
XHL-2-38	1-1/2"	38mm
XHL-2-39	1-9/16"	
XHL-2-41	1-5/8"	41mm
XHL-2-42	1-11/16"	
XHL-2-44	1-3/4"	
XHL-2-46	1-13/16"	46mm
XHL-2-47	1-7/8"	
XHL-2-49	1-15/16"	49mm
XHL-2-50		50mm
XHL-2-51	2"	
XHL-2-52	2-1/16"	
XHL-2-54	2-1/8"	
XHL-2-55	2-3/16"	55mm
XHL-2-57	2-1/4"	
XHL-2-59	2-5/16"	
XHL-2-60	2-3/8"	60mm

XTH-4 Link	Hex Size	
	Imperial	Metric
XHL-4-33	1-5/16"	
XHL-4-34		34mm
XHL-4-35	1-3/8"	
XHL-4-36		36mm
XHL-4-37	1-7/16"	
XHL-4-38	1-1/2"	38mm
XHL-4-39	1-9/16"	
XHL-4-41	1-5/8"	41mm
XHL-4-42	1-11/16"	
XHL-4-44	1-3/4"	
XHL-4-46	1-13/16"	46mm
XHL-4-47	1-7/8"	
XHL-4-49	1-15/16"	49mm
XHL-4-50		50mm
XHL-4-51	2"	
XHL-4-52	2-1/16"	
XHL-4-53	2-1/8"	
XHL-4-55	2-3/16"	55mm
XHL-4-57	2-1/4"	
XHL-4-58	2-5/16"	
XHL-4-60	2-3/8"	60mm
XHL-4-61	2-7/16"	
XHL-4-63	2-1/2"	
XHL-4-65	2-9/16"	65mm
XHL-4-66	2-5/8"	
XHL-4-68	2-11/16"	
XHL-4-70	2-3/4"	70mm
XHL-4-71	2-13/16"	
XHL-4-73	2-7/8"	
XHL-4-75	2-15/16"	75mm
XHL-4-76	3"	
XHL-4-77	3-1/16"	80mm
XHL-4-79	3-1/8"	
XHL-4-80		80mm

XTH-8 Link	Hex Size	
	Imperial	Metric
XHL-8-41	1-5/8"	41mm
XHL-8-42	1-11/16"	
XHL-8-44	1-3/4"	
XHL-8-46	1-13/16"	46mm
XHL-8-47	1-7/8"	
XHL-8-49	1-15/16"	49mm
XHL-8-50	50mm	
XHL-8-51	2"	
XHL-8-52	2-1/16"	
XHL-8-54	2-1/8"	
XHL-8-55	2-3/16"	55mm
XHL-8-57	2-1/4"	
XHL-8-58	2-5/16"	
XHL-8-60	2-3/8"	60mm
XHL-8-61	2-1/2"	
XHL-8-63	2-9/16"	
XHL-8-65	2-5/8"	65mm
XHL-8-66	2-	
XHL-8-68	11/16"	
XHL-8-70	2-3/4"	70mm
XHL-8-71	2-13/16"	
XHL-8-73	2-7/8"	
XHL-8-75	2-15/16"	75mm
XHL-8-76	3"	
XHL-8-77	3-1/16"	
XHL-8-79	3-1/8"	
XHL-8-80		80mm
XHL-8-81	3-3/16"	
XHL-8-82	3-1/4"	
XHL-8-84	3-5/16"	
XHL-8-85		85mm
XHL-8-86	3-3/8"	
XHL-8-87	3-7/16"	
XHL-8-88	3-1/2"	
XHL-8-90		90mm
XHL-8-91	3-9/16"	
XHL-8-92	3-5/8"	
XHL-8-93	3-11/16"	
XHL-8-95	3-3/4"	95mm
XHL-8-96	3-13/16"	
XHL-8-98	3-7/8"	
XHL-8-100	3-15/16"	100mm
XHL-8-101	4"	

XTH-14 Link	Hex Size	
	Imperial	Metric
XHL-14-50		50mm
XHL-14-51	2"	
XHL-14-52	2-1/16"	
XHL-14-53	2-1/8"	
XHL-14-55	2-3/16"	55mm
XHL-14-57	2-1/4"	
XHL-14-58	2-5/16"	
XHL-14-60	2-3/8"	60mm
XHL-14-62	2-7/16"	
XHL-14-63	2-1/2"	
XHL-14-65	2-9/16"	65mm
XHL-14-66	2-5/8"	
XHL-14-68	2-11/16"	
XHL-14-70	2-3/4"	70mm
XHL-14-71	2-13/16"	
XHL-14-73	2-7/8"	
XHL-14-75	2-15/16"	75mm
XHL-14-76	3"	
XHL-14-77	3-1/16"	
XHL-14-79	3-1/8"	
XHL-14-80		80mm
XHL-14-81	3-3/16"	
XHL-14-82	3-1/4"	
XHL-14-84	3-5/16"	
XHL-14-85		85mm
XHL-14-86	3-3/8"	
XHL-14-87	3-7/16"	
XHL-14-89	3-1/2"	
XHL-14-90		90mm
XHL-14-91	3-9/16"	
XHL-14-92	3-5/8"	
XHL-14-93	3-11/16"	
XHL-14-95	3-3/4"	95mm
XHL-14-96	3-13/16"	
XHL-14-98	3-7/8"	
XHL-14-100	3-15/16"	100mm
XHL-14-101	4"	
XHL-14-104	4-1/6"	
XHL-14-105	4-1/8"	105mm
XHL-14-106	4-3/16"	
XHL-14-107	4-1/4"	
XHL-14-109	4-5/16"	
XHL-14-110		
XHL-14-111	4-3/8"	
XHL-14-112	4-7/16"	
XHL-14-114	4-1/2"	
XHL-14-115		115mm
XHL-14-117		117mm

XTH-32 Link	Hex Size	
	Imperial	Metric
XHL-32-108	4-1/4"	
XHL-32-109	4-5/16"	
XHL-32-110		110mm
XHL-32-111	4-3/8"	
XHL-32-112	4-7/16"	
XHL-32-114	4-1/2"	
XHL-32-115		115mm
XHL-32-116	4-9/16"	
XHL-32-117	4-5/8"	117mm
XHL-32-119	4-11/16"	
XHL-32-120		120mm
XHL-32-121	4-3/4"	
XHL-32-122	4-13/16"	
XHL-32-123	4-7/8"	
XHL-32-125		125mm
XHL-32-126	4-15/16"	
XHL-32-127	5"	127mm
XHL-32-128	5-1/16"	
XHL-32-130	5-1/8"	
XHL-32-131	5-3/16"	
XHL-32-133	5-1/4"	
XHL-32-134	5-5/16"	135mm
XHL-32-136	5-3/8"	
XHL-32-138	5-7/16"	
XHL-32-140	5-1/2"	140mm
XHL-32-141	5-9/16"	
XHL-32-142	5-5/8"	
XHL-32-144	5-11/16"	
XHL-32-145	5-7/16"	145mm
XHL-32-146	5-3/4"	
XHL-32-147	5-13/16"	
XHL-32-149	5-7/8"	
XHL-32-150		150mm
XHL-32-151	5-15/16"	
XHL-32-152	6"	
XHL-32-153	6-1/16"	
XHL-32-155		155mm
XHL-32-156	6-1/8"	
XHL-32-157	6-3/16"	
XHL-32-158	6-1/4"	
XHL-32-160		160mm
XHL-32-161	6-5/16"	
XHL-32-162	6-3/8"	
XHL-32-163	6-7/16"	
XHL-32-165		165mm
XHL-32-166	6-1/2"	
XHL-32-168	6-9/16"	
XHL-32-170		170mm
XHL-32-171	6-3/4"	
XHL-32-173	6-13/16"	
XHL-32-174	6-7/8"	
XHL-32-175		175mm

HEXAGON REDUCER BUSHES



To reduce the Female hexagon A/F size of the XTH Series these XTORG Hexagon Reducer Bushes offer an easy and economical solution. Just select your outside A/F size (i.e Ratchet Head A/F size) and the required inside A/F size to determine the Model number.

Outside A/F size	Inside A/F size	XTH-2	XTH-4	XTH-8	XTH-14	XTH-32
		Height-1.25" Model Number	Height-1.625" Model Number	Height-2.1" Model Number	Height-2.55" Model Number	Height-3.34" Model Number
11"	11h6"	XHR-2-125-106	XHR-4-125-106			
17/16"	11/16"	XHR-2-143-106	XHR-4-143-106			
17h6"	11/1"	XHR-2-143-125	XHR-4-143-125			
15"	11/4"	XHR-2-162-125	XHR-4-162-125			
15"	17/6"	XHR-2-162-143	XHR-4-162-143			
1136"	17/16"	XHR-2-181-143	XHR-4-181-143			
1136"	15/1"	XHR-2-181-162	XHR-4-181-162	XHR-8-181-162		
2"	15/1"	XHR-2-200-162	XHR-4-200-162	XHR-8-200-162		
2"	113/1"	XHR-2-200-181	XHR-4-200-181	XHR-8-200-181		
23/16"	15/1"	XHR-2-218-162	XHR-4-218-162	XHR-8-218-162		
23/16"	113/16"	XHR-2-218-181	XHR-4-218-181	XHR-8-218-181		
23/16"	2/1"	XHR-2-218-200	XHR-4-218-200	XHR-8-218-200		
23/1"	113/1"	XHR-2-237-181	XHR-4-237-181	XHR-8-237-181		
23/1"	2/1"	XHR-2-237-200	XHR-4-237-200	XHR-8-237-200	XHR-14-237-200	
23/16"	23/16"	XHR-2-237-218	XHR-4-237-218	XHR-8-237-218	XHR-14-237-218	
2/16"	2/1"		XHR-4-256-200	XHR-8-256-200	XHR-14-256-200	
2/16"	23/16"		XHR-4-256-218	XHR-8-256-218	XHR-14-256-218	
2/16"	23/1"		XHR-4-256-237	XHR-8-256-237	XHR-14-256-237	
23/1"	23/16"		XHR-4-275-218	XHR-8-275-218	XHR-14-275-218	
23/1"	23/1"		XHR-4-275-237	XHR-8-275-237	XHR-14-275-237	
23/1"	2/16"		XHR-4-275-256	XHR-8-275-256	XHR-14-275-256	
2156"	23/1"		XHR-4-293-237	XHR-8-293-237	XHR-14-293-237	
215h6"	26/1"		XHR-4-293-256	XHR-8-293-256	XHR-14-293-256	
2156"	23/1"		XHR-4-293-275	XHR-8-293-275	XHR-14-293-275	
31/1"	2/16"		XHR-4-312-256	XHR-8-312-256	XHR-14-312-256	
31/1"	23/1"		XHR-4-312-275	XHR-8-312-275	XHR-14-312-275	
31/1"	215/16"		XHR-4-312-293	XHR-8-312-293	XHR-14-312-293	
31/1"	215/1"			XHR-8-350-293	XHR-14-350-293	
3/1h"	3/1"			XHR-8-350-312	XHR-14-350-312	
37k/1"	31/8"			XHR-8-387-312	XHR-14-387-312	
37/1"	3/1"			XHR-8-387-350	XHR-14-387-350	
4/1k"	31/2"			XHR-8-412-350	XHR-14-412-350	
41/1"	37/1"			XHR-8-412-387	XHR-14-412-387	
45f/1"	37/1"					
45f/1"	4/14"					XHR-32-462-425
5/1"	4/16"					XHR-32-500-425
5/1"	45f/1"					XHR-32-500-462
55/1"	45/16"					XHR-32-531-462
55f/1"	5/1"					XHR-32-531-500
53f/1"	5/1"					XHR-32-575-500
53/1"	53/1"					XHR-32-575-573
61/1"	53/1"					XHR-32-612-573
6/1"	5/14"					XHR-32-612-575
6/1h"	53/1"					XHR-32-650-575
6/1h"	6/16"					XHR-32-650-612
67/1"	6/16"					XHR-32-687-612
67/1"	6/16"					XHR-32-687-650
73/16"	61f/1"					XHR-32-718-650
73h/1"	67f/1"					XHR-32-718-687
77/16"	67k/1"					XHR-32-744-687
77h/1"	73/1"					XHR-32-744-718
75/16"	6/16"					XHR-32-762-687
75/16"	77/1"					XHR-32-762-744
77/1"	7/1"					XHR-32-787-744
77/1"	75/16"					XHR-32-787-762

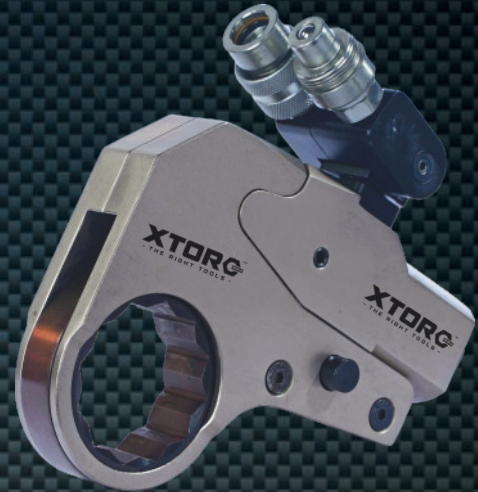
Outside A/F size	Inside A/F size	XTH-2 Height-32mm	XTH-4 Height-42mm	XTH-8 Height-53mm	XTH-14 Height-64mm	XTH-32 Height-85mm
		Model number	Model number	Model number	Model number	Model number
30	24	XHR-2-30-24				
32	24	XHR-2-32-24				
32	27	XHR-2-32-27				
36	30	XHR-2-36-30				
41	36	XHR-2-41-36	XHR-4-41-36			
46	36	XHR-2-46-36	XHR-4-46-36			
46	41	XHR-2-46-41	XHR-4-46-41	XHR-8-46-41		
50	41	XHR-2-50-41	XHR-4-50-41	XHR-8-50-41		
50	46	XHR-2-50-46	XHR-4-50-46	XHR-8-50-46		
55	41	XHR-2-55-41	XHR-4-55-41	XHR-8-55-41		
55	46	XHR-2-55-46	XHR-4-55-46	XHR-8-55-46		
55	50	XHR-2-55-50	XHR-4-55-50	XHR-8-55-50		
60	46	XHR-2-60-46	XHR-4-60-46	XHR-8-60-46		
60	50		XHR-4-60-50	XHR-8-60-50	XHR-14-60-50	
60	55		XHR-4-60-55	XHR-8-60-55	XHR-14-60-55	
65	50		XHR-4-65-50	XHR-8-65-50	XHR-14-65-50	
65	55		XHR-4-65-55	XHR-8-65-55	XHR-14-65-55	
65	60		XHR-4-65-60	XHR-8-65-60	XHR-14-65-60	
70	55		XHR-4-70-55	XHR-8-70-55	XHR-14-70-55	
70	60		XHR-4-70-60	XHR-8-70-60	XHR-14-70-60	
70	65		XHR-4-70-65	XHR-8-70-65	XHR-14-70-65	
75	60		XHR-4-75-60	XHR-8-75-60	XHR-14-75-60	
75	65		XHR-4-75-65	XHR-8-75-65	XHR-14-75-65	
75	70		XHR-4-75-70	XHR-8-75-70	XHR-14-75-70	
80	65		XHR-4-80-65	XHR-8-80-65	XHR-14-80-65	
80	70		XHR-4-80-70	XHR-8-80-70	XHR-14-80-70	
80	75		XHR-4-80-75	XHR-8-80-75	XHR-14-80-75	
85	70			XHR-8-85-70	XHR-14-85-70	
85	75			XHR-8-85-75	XHR-14-85-75	
85	80			XHR-8-85-80	XHR-14-85-80	
90	75			XHR-8-90-75	XHR-14-90-75	
90	80			XHR-8-90-80	XHR-14-90-80	
90	85			XHR-8-90-85	XHR-14-90-85	
95	80			XHR-8-95-80	XHR-14-95-80	
95	85			XHR-8-95-85	XHR-14-95-85	
95	90			XHR-8-95-90	XHR-14-95-90	
100	85			XHR-8-100-85	XHR-14-100-85	
100	90			XHR-8-100-90	XHR-14-100-90	
100	95			XHR-8-100-95	XHR-14-100-95	
105	90			XHR-8-105-90	XHR-14-105-90	
105	95			XHR-8-105-95	XHR-14-105-95	
105	100			XHR-8-105-100	XHR-14-105-100	
110	95				XHR-14-110-95	XHR-32-110-95
110	100				XHR-14-110-100	XHR-32-110-100
110	105				XHR-14-110-105	XHR-32-110-105
115	100				XHR-14-115-100	XHR-32-115-100
115	105				XHR-14-115-105	XHR-32-115-105
115	110				XHR-14-115-110	XHR-32-115-110
135	110					XHR-32-135-110
135	115					XHR-32-135-110
135	120					XHR-32-135-130
145	110					XHR-32-145-110
145	115					XHR-32-145-115
145	130					XHR-32-145-130
160	130					XHR-32-160-130
160	145					XHR-32-160-145
175	145					XHR-32-175-145
175	160					XHR-32-175-160

XSL SERIES DIRECT HEX TYPE HYDRAULIC TORQUE WRENCHES (ULTRA SLIM)

XTORC offers a series of Low - Profile Torque Wrenches which are crucial for applications in constricted spaces like Christmas Trees on BOP. A High-Performance Steel Alloy used for several components including, the Housing. This keeps the tool light, compact and strong.

SPECIFICATIONS:

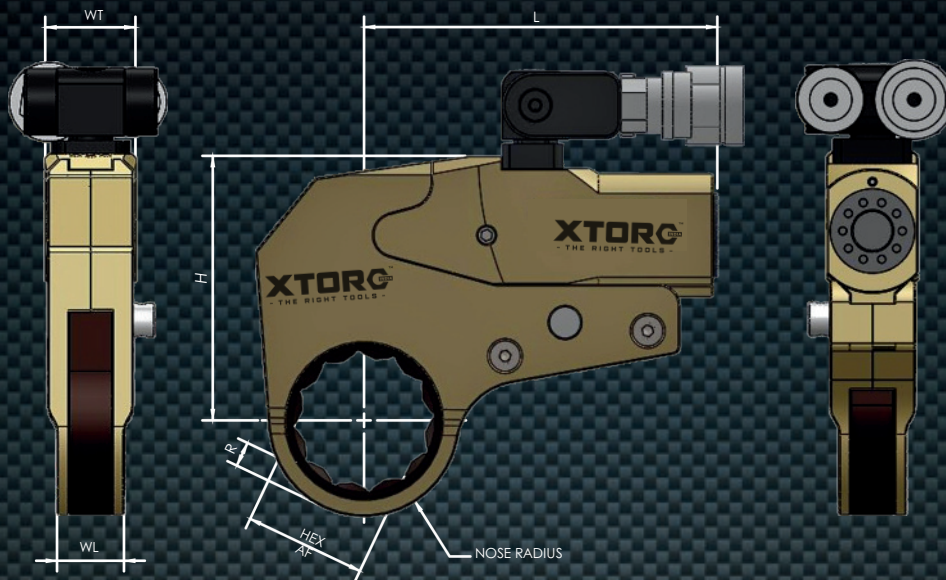
- 360°×180° swivel for better degree of movement.
- Self-lubricating low Nickel Bronze for drive bush to protect body from wear.
- The reduced dimensions allow the tool to fit in tight spaces easily.



MODEL	HEX A/F				Min Torque	Max Torque	Tool Weight Kg.
	mm	mm	Inch	Inch	N.m	N.m	
XSL-2	19	60	7/8"	2.3/8"	293	3051	2.70
XSL-4	46	80	1.13/16"	3.1/8"	608	6733	6.30
XSL-8	60	90	2.3/8"	3.1/2"	1192	12834	11.60

XSL LINK SELECTION

XTH-2 Link	Hex Size		XTH-4 Link	Hex Size		XTH-8 Link	Hex Size	
	Inch	mm		Inch	mm		Inch	mm
XSL-2-19		19	XSL-4-46		46	XSL-8-60		60
XSL-2-22		22	XSL-4-46F	1-13/16"		XSL-8-60F	2-3-8"	
XSL-2-22F	7/8"		XSL-4-50		50	XSL-8-63F	2-1/2"	
XSL-2-24		24	XSL-4-50F	2"		XSL-8-65		65
XSL-2-25F	1"		XSL-4-55		55	XSL-8-65F	2-9/16"	
XSL-2-27		27	XSL-4-55F	2-3-16"		XSL-8-66F	2-5/8"	
XSL-2-27F	1.1/16"		XSL-4-60		60	XSL-8-68F	2-11/16"	
XSL-2-30		30	XSL-4-60F	2-3-8"		XSL-8-69F	2-3/4"	
XSL-2-30F	1.3/16"		XSL-4-63F	2-1/2"		XSL-8-70		70
XSL-2-31F	1-1/4"		XSL-4-65		65	XSL-8-71F	2-13/16"	
XSL-2-32		32	XSL-4-65F	2-9/16"		XSL-8-73F	2-7/8"	
XSL-2-33F	1-5/16"		XSL-4-66F	2-5/8"		XSL-8-74F	2-15/16"	
XSL-2-34		34	XSL-4-68F	2-11/16"		XSL-8-75		75
XSL-2-34F	1-3/8"		XSL-4-69F	2-3/4"		XSL-8-76F	3"	
XSL-2-35		35	XSL-4-70		70	XSL-8-77F	3-1/16"	
XSL-2-36		36	XSL-4-71F	2-13/16"		XSL-8-79F	3-1/8"	
XSL-2-36F	1-7/16"		XSL-4-73F	2-7/8"		XSL-8-80		80
XSL-2-38		38	XSL-4-74F	2-15/16"		XSL-8-80F	3-3/16"	
XSL-2-38F	1-1/2"		XSL-4-75		75	XSL-8-82F	3-1/4"	
XSL-2-39F	1-9/16"		XSL-4-76F	3"		XSL-8-84F	3-5/16"	
XSL-2-41		41	XSL-4-77F	3-1/16"		XSL-8-85		85
XSL-2-41F	1-5/8"		XSL-4-79F	3-1/8"		XSL-8-85F	3-3/8"	
XSL-2-42F	1-11/16"		XSL-4-80		80	XSL-8-87F	3-7/16"	
XSL-2-44F	1-3/4"					XSL-8-88F	3-1/2"	
XSL-2-46		46				XSL-8-90		90
XSL-2-46F	1-13/16"							
XSL-2-50		50						
XSL-2-50F	2"							
XSL-2-55		55						
XSL-2-55F	2-3-16"							
XSL-2-60		60						
XSL-2-60F	2-3-8"							



PowerHead		Torque Range		Hex Size mm (inch)	L mm (inch)	H mm (inch)	WL mm (inch)	WT mm (inch)	R (Nose Width)
		Min	Max						
XTH-2	Ft.Lbs Nm	214 293	2217 3051	36.51 (1-7/16)	135 (5.31)	101 (3.97)	25.5 (1.00)	34.4 (1.35)	8.9 (0.35)
				31.75 (1-1/4)	135 (5.31)	101 (3.97)	25.5 (1.00)	34.4 (1.35)	8.9 (0.35)
				46.03 (1-13/16)	135 (5.31)	101 (3.97)	25.5 (1.00)	34.4 (1.35)	8.9 (0.35)
				41.28 (1-5/8)	135 (5.31)	135 (5.31)	25.5 (1.00)	34.4 (1.35)	8.9 (0.35)
				50.8 (2)	139 (5.47)	104 (4.09)	25.5 (1.00)	34.4 (1.35)	8.9 (0.35)
				55.58 (2-3/16)	137 (5.39)	110 (4.33)	25.5 (1.00)	34.4 (1.35)	8.9 (0.35)
				60.33 (2-3/8)	137 (5.39)	111 (4.37)	25.5 (1.00)	34.4 (1.35)	8.9 (0.35)
XTH-4	Ft.Lbs Nm	443 608	4891 6733	65.1 (2-9/16)	174 (6.85)	142 (5.59)	28.7 (1.13)	49.5 (1.95)	10.5 (0.41)
				69.85 (2-3/4)	176 (6.93)	142 (5.59)	28.7 (1.13)	49.5 (1.95)	10.5 (0.41)
				74.63 (2-15/16)	176 (6.93)	142 (5.59)	28.7 (1.13)	49.5 (1.95)	10.5 (0.41)
				53.98 (2-1/8)	216 (8.50)	154 (6.06)	38 (1.49)	61.5 (2.42)	13.35 (0.53)
XTH-8	Ft.Lbs Nm	867 1192	9323 12834	79.38 (3-1/8)	216 (8.50)	154 (6.06)	38 (1.49)	61.5 (2.42)	14.45 (0.57)

Note: Dimensions are subject to change. For Higher Torque Values we can provide you with Customized Solutions.

OPEN JAW TORQUE WRENCHES

The Open Jaw attachments for XTORC's XTH Series Hydraulic Torque Wrenches are designed for demanding bolting applications in spaces with narrow access, particularly concerning the height above the nut, bolt inter distance and the space inside the joint.

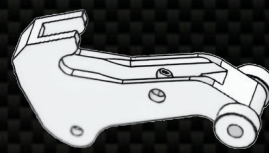
With Xtorc's Open Jaw Torque Wrench the following challenges are overcome:

- Spanners available to fit most commonly used API flanges
- Small nose radius-resolves bolt to pipe restrictions
- Slim spanner design - negotiates bolt height restrictions
- Wide range of spanners ranging from 17.16-31/8 inches (36-80 mm)
- Includes handle to improve tool handling and safety
- Rigid solid steel body for maximum endurance and minimum downtime



TOOLS ACCESSORIES

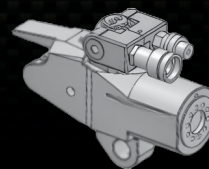
MODEL	HEX A/F		Min Torque	Max Torque	Tool Weight
	mm	mm	Nm	Nm	Kg.
XOJL-2	19	60	273	3008	3.50
XOJL-4	34	80	578	6733	7.00
XOJL-8	41	105	1228	15078	13.50



Spanner Holder



Open End Head



XTH
Cylinder



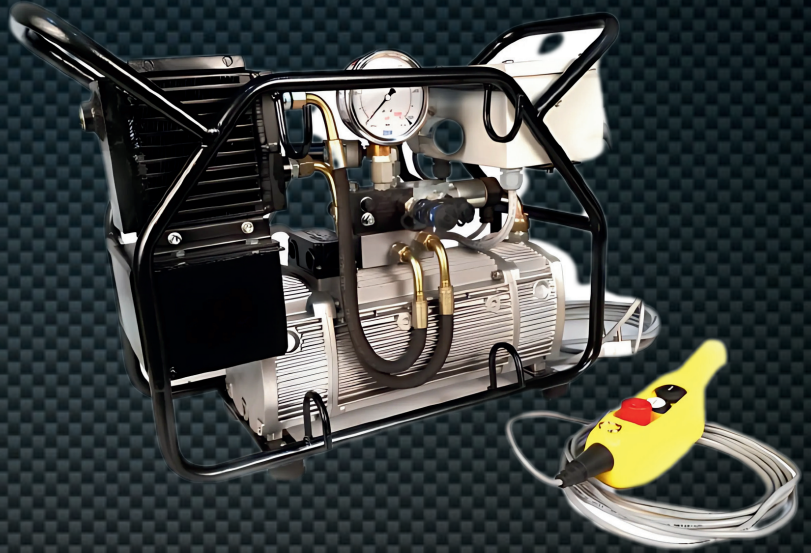
Ring Type Head

POWERPACKS FOR HYDRAULIC TORQUE WRENCHES



XEP SERIES ELECTRICALLY OPERATED POWERPACKS FOR HYDRAULIC TORQUE WRENCHES

FULLY AUTOMATIC ELECTRIC POWER PACK



EQUIPPED WITH SAFETY FEATURES

NOTE: Also available as Conventional Electric Power pack. Pump will be supplied with Remote Control Pendant.

With Auto Cycle

Without Auto Cycle



Fully Automatic Power Pack

Faster and reliable in operations
High repeatability of the bolting process without pressing the button again and again.

Temperature Management

- In-built heat exchanger to cool the system
- The unique concept of the high-speed cooling and heat exchanger optimizes cooling for Continuous operation
- Power pack switches off automatically if temperature rises above 80°C

Oil immersed Motor

- Noiseless and vibration free operations Effective temperature equalisation by cooling. motor, pump & oil at the same time

PLC Controlled System

Effectively controlled operations of power packs.
If the power pack remains idle continuously more than 3 minutes, it gets switched off automatically.

TECHNICAL SPECIFICATION:

Model No.	XEP-700
Power Rating Flow Rate	1.5 KW
Maximum Pressure	700Bar/10,000 PSI
Flow Rate	9.7LPM @ 70Bar 0.97LPM @ 700 Bar
Capacity	6 Ltr./2 Gallon

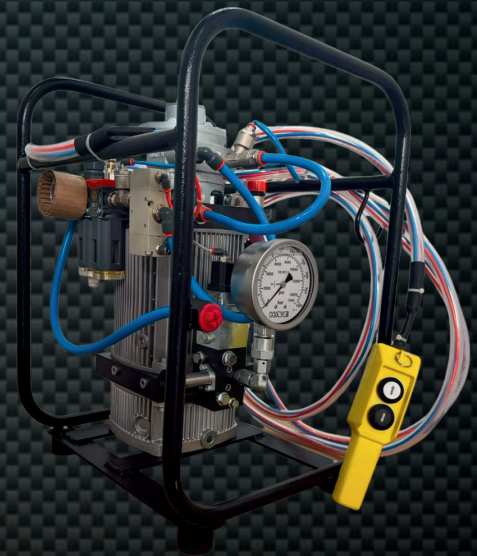
XAP SERIES PNEUMATIC OPERATED POWERPACK FOR HYDRAULIC TORQUE WRENCHES

700 Bar, TwoSpeed
0.9/0.45 - 7.9/0.9cm OilFlow

Model	Pressure 1st-2nd Stage Bar (PSI)	Flow Rate 1st-2nd Stage V/mm (g/min)	Motor	RPM	Reservoir Capacity Liter (Gallon)	Weight Kg (Lbs)
XAP-700	70/700	7.9/0.9	Pneumatic	3000	8.5 (2.24)	36 (79)

ADVANTAGES OF AIR OPERATED POWER PACKS

- Powered by a rotary air vane, 4HP motor(3,000RPM) Equipped with a filter-lubricator assembly, air muffler, adjustable relief and 10" remote controlled pendant on all models.
- High performance two-stage pump provides higher cross-over pressure for faster cycle times and tool operation; 55 cubic inches/minute@10,000 PSI.



XTORC MODEL: XEP 700 ATEX

FEATURES:

Hydraulic Pump with Three Phase Electric Motor

ATEX Certified Version CE Ex li 2 G K T3

ATEX Zone-2 Class T3 Gas Group IIA

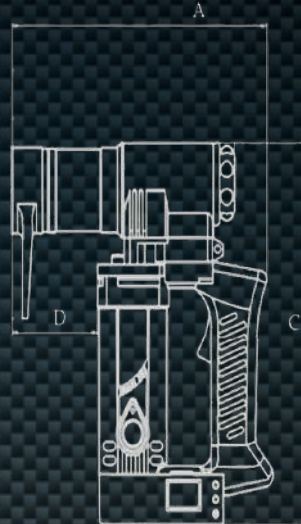
- Three Phase Electric Motor 1.1 kW 440V
- Axial-piston pump mod
- Oil flow 9.4 Litres/min @ 0-70 Bar (2.48 g/min@1015 PSI) and 0.9 Litres/min @ 700 Bar (0.23 g/min@ 10000 PSI)
- 3/2 solenoid valve 24DC and inversion valve
- Pressure regulator on P Line to set the torque value
- Adjustable Relief Valve on return line
- Pressure Gauge DN 100 range 0-1000 Bar (14500 PSI)
- Reservoir Capacity 10 Litres (2.64 Gallon)
- Recommended Hydraulic Oil ISO 32 and above Also available in Air Operated Type (PAE-ATEX)
- The pump includes remote control and electric box



XTORC ELECTRIC TORQUE WRENCHES



XET / XES SERIES ELECTRIC TORQUE WRENCH



Model	Torque (Nm)	Direct Hex Available	Speed (RPM)	Weight (kg)	Overall Length (mm)	Overall Width C	Diameter
XET-3	100-300	M10, M12, M16	28	4	240	267	80
XET-5	200-500	M12, M16, M20	20	4.2	271	267	111
XET-7	300-700	M16, M20, M22	18	4.6	221	269	54
XET-9	400-900	M20, M22, M24	16	5.1	238	275	71
XET-12	500-1200	M22, M24, M27	14	6.3	225	287	50
XET-17	800-1700	M24, M27, M30	12	7	286	287	81
XET-21	1000-2100	M27, M30, M33	10	7.2	274	286	95
XET-25	1100-2500	M30, M33, M36	5	9	283	293	107
XET-35	1700-3500	M33, M36, M42	4.5	15	283	293	107
XET-50	2000-5000	M42, M45, M48	2.5	17	375	301	273

Model	Torque Range (Nm)	Speed (RPM)	Weight (Kg)	Square Drive
XES-3	100-300	28	4	3/4"
XES-5	200-500	20	4.2	3/4"
XES-7	300-700	18	4.6	1"
XES-9	400-900	16	5.1	1"
XES-12	500-1200	14	6.3	1"
XES-17	800-1700	4.5	7.0	1.1/2"
XES-21	1000-2100	5.5	7.2	1.1/2"
XES-25	1000-2500	5	9	1.1/2"
XES-35	1700-3500	4.5	15	1.1/2"
XES-40	2000-4000	3	17	1.1/2"
XES-60	3000-6000	2.5	18	1.1/2"
XES-100	5000-10000	2.5	21	2.1/2"



XBTW SERIES BATTERY TORQUE WRENCHES



Digital Display



Adjustable Torque
from 1N.m to 4000 N.m



Accuracy +/- 5% of
reading



Repeated Accuracy
±2%

Battery or cordless Torque Wrenches are portable, convenient and are used when other power sources are not practical or possible. They are ideal for field service and remote locations. A wide range of capacities and styles are available along with a variety of accessories such as reaction arms, sockets and more.

Type	Square Drive	Torque (Nm)		Speed RPM	Weight Kg	Size A mm	Size B mm	Size C mm	Size D mm
		Min	Max						
XBTW 07	3/4"	230	700	13	3.5	231	63	67	262
XBTW 14	3/4"	300	1400	6	3.5	231	63	67	262
XBTW 20	1"	400	2000	4	4.0	244	63	69	262
XBTW 40	1"	800	4000	2	6.0	285	69	81	266

Note: Dimensions are subject to change.

XES - N SERIES ELECTRIC TORQUE WRENCHES



MODEL	Torque Range	Ro-Speed R/min	Square Drive	Power Consumption W	Weight Kg
XES-6N	250-600	16	3/4"	1200	5
XES-10N	300-1000	14	1"	1200	6
XES-15N	500-1500	10	1"	1200	7
XES-20N	600-2000	7	1-1/4"	1200	8
XES-25N	800-2500	1	1-1/2"	1300	9
XES-35N	1700-3500	2.5	1-1/2"	1300	12.3
XES-50N	2500-5000	2	1-1/2"	1300	12.3

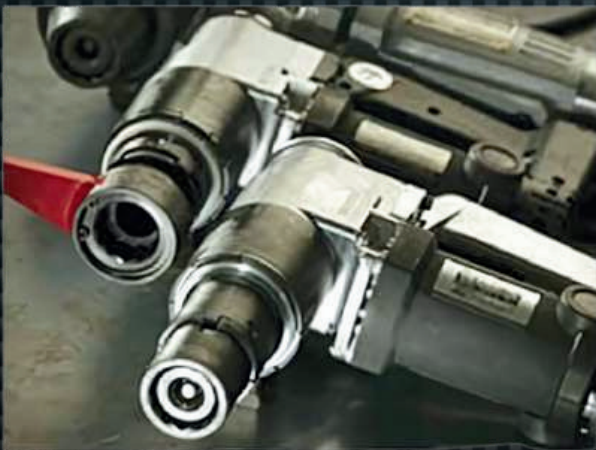
XSL SERIES ELECTRIC SHEAR WRENCH

XTORC XSL-Series Light Weight and Compact Shear Wrenches provide consistent, reliable Torque

Tightening and Shearing to the Tension Control Bolts.

XTORC Electric Shear Wrenches are capable of achieving Controllable Torque Range of 5000 Nm with supported Bolt Sizes till M36.

All our Shear Wrenches are calibrated and certified on in-house test bench in our facility.



Model No.	Bolt Sizes (mm)	Torque (Nm)	Speed (Rpm)	Weight (Kg)
XSL-16	M12, M16	320	36	3.8
XSL-20	M12, M16, M20	540	24	6
XSL-22	M16, M20, M22	910	20	6.8
XSL-24	M20, M22, M24	1200	14	8
XSL-27	M22, M24, M27	1700	12	8.3
XSL-30	M24, M27, M30	2500	5	10.5
XSL-33	M27, M30, M33	3500	4.5	15
XSL-36	M30, M33, M36	5000	2.5	17



XVT / CNT SERIES MANUAL TORQUE WRENCHES

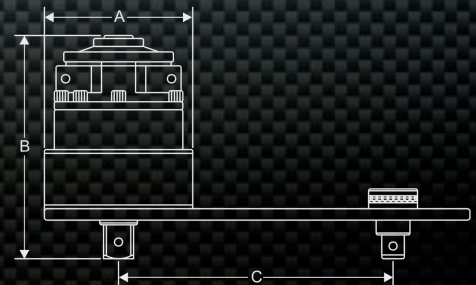
XTORC Click Type Torque Wrenches are an innovative design concept, providing consistently accurate readings and trouble-free performance. Our Torque Wrenches have a proven performance record.

Model No.		Torque Wrenches				Square Drive	Overall Length	Unit Weight
Non-Ratcheting	Ratcheting	Nm	Kgf.m	Lbf.in	Lb.	Inches	mm	kg.
XVT-100A	XVTR-100A	2.5-11	0.3-1.1	20-100	2-8	3/8"	320/360	0.56
XVT-300A	XVTR-300R	5-35	0.5-3.5	40-300	4-25	3/8"	430/465	0.75
XVT-600A	XVTR-600R	12-68	1.2-7	100-600	10-50	1/2"	485/530	1.10
XVT-1200A	XVTR-1200A	25-135	3-14	200-1200	20-100	1/2"	545/595	2.0
XVT-2000A	XVTR-2000A	50-225	5-23	400-2000	40-160	1/2"	610/660	2.49
XVT-3000A	XVTR-3000A	70 - 330	7-35	600-3000	50 - 250	1/2"	835/890	4.0
XVT-5000A	XVTR-5000A	140 - 560	14-57	1200-5000	100-410	3/4"	1120/1195	6.58
XVT-8400A	XVTR-8400A	480 - 940	49-95	4200-8400	350-700	3/4"	1400/1485	12.7
XNT-14	XNT-14/R	135-540	14-56	1200-4800	100-400	3/4"	1120/1195	6.5
XNT-14S	XNT-14S/R	135-780	14-78	1200-6640	100-500	3/4"	1110/1195	7.0
XNT-49	XNT-49/R	475-1050	49-105	4200-9300	350-750	3/4"	1390/1480	15.0
XNT-55	XNT-55/R	540-1380	55-140	4800-12250	400-1000	1"	1305/1340	18.0
XNT-105	XNT-105/R	1015-1900	105-195	8800-16820	750-1400	1"	1305/1340	18.0
XNT-170	XNT-170/R	1350-2700	135-275	11950-24000	1000-2000	1"	1450/1530	20.60

Note: Dimensions are subject to change.



XAM SERIES MANUAL TORQUE MULTIPLIERS



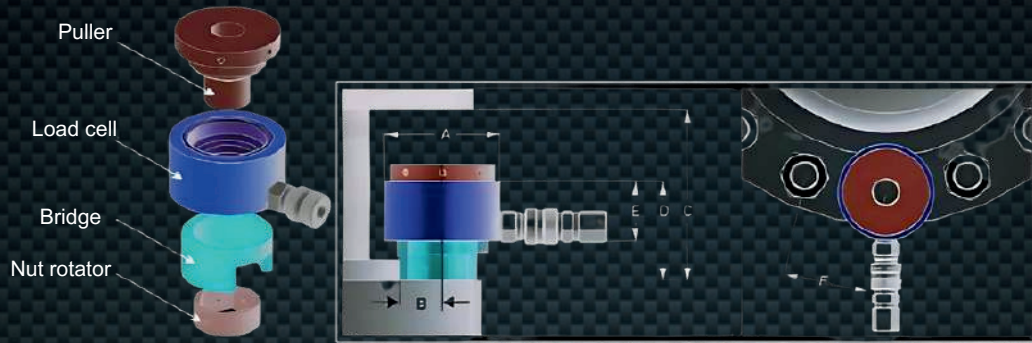
Model	Max Output Torque			Estimated Bolt Capacity		Multiplication Factor	Input Square	Output Square	Major Dia A	Depth B	Min C	Max C	Recommended Torque Wrench	Approx Weight
	Ft.lbs	Nm	Kgf.m	inch	mm		inch	inch					No.	Kg
XAM-1	1250	1700	170	1.1/8	27	5	1/2"	3/4"	127	105	85	217	XVT-3000A	5
XAM-2	1250	1700	170	1.1/8	27	5	3/4"	1	127	125	85	217	XVT-3000A	5.5
XAM-2/25	1250	1700	1170	1.1/8	27	25	1/2"	1	124	155	85	217	XVT-600A	8.5
XAM-5	2000	2700	275	1.3/8	36	5	3/4"	1	129	140	100	260	XVT-5000A	7.5
XAM-5/25	2000	2700	275	1.3/8	36	25	1/2"	1	140	186	100	260	XVT-1200A	12.5
XAM-6	2500	3400	345	1.1/2	38	5	3/4"	1.1/2"	150	155	102	260	XVT-8400A	10
XAM-6/25	2500	3400	345	1.1/2	38	25	1/2"	1.1/2"	140	208	100	260	XVT-1200A	14
XAM-7	4500	6000	622	1.7/8	48	5	3/4"	1.1/2"	166	163	122	310	XNT-55	14
XAM-7/25	4500	6000	622	1.7/8	48	25	1/2"	1.1/2"	166	250	122	310	XNT-55	22
XAM-9/25	7000	9500	965	2.1/4	56	25	3/4"	1.1/2"	207	260	150	350	XVT-5000A	31
XAM-9/125	7000	9500	965	2.1/4	56	125	1/2"	1.1/2"	207	301	150	350	XNT 14/S	35
XAM-11/25	12500	17000	1735	3.3/4	95	25	3/4"	2.1/2"	258	325	180	480	XNT 14/S	60
XAM11/125	12500	17000	1735	3.3/4	95	125	1/2"	2.1/2"	258	400	180	480	XVT-2000A	75
XAM13/125	35000	47500	4845	4.1/2	115	125	3/4"	2.1/2"	315	550	180	480	XNT-14/R	100

Note: Dimensions are subject to change.

XTORC BOLT TENSIONERS

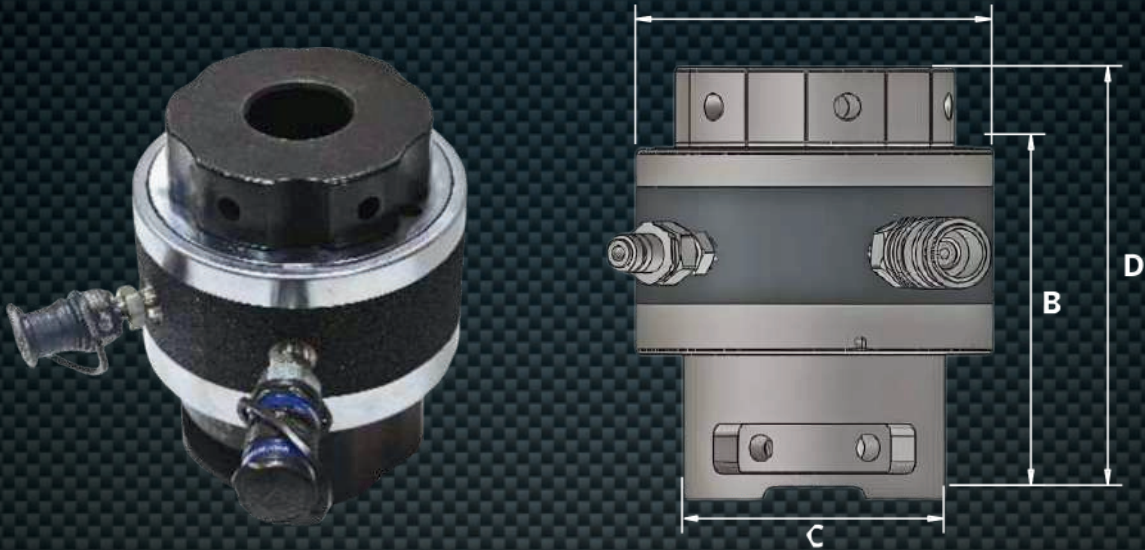


TOP-SIDE BOLT TENSIONER



Model	Bolt Size		Cylinder	Area	Dimension						Weight
	Metric	Inch			A	B	C	D	E	F	
			KN	Cm2	mm	mm	mm	mm	mm	mm	Kg
XBT-3	M16		234.2	15.7	75	32.5	168	90	62	47-51	3
	M18	3/4"									
	M20										
	M22	7/8"									
	M24	1									
XBT-5	M27	1-1/8"	498.2	33	102	47	187	106	60	65-71	5.50
	M30										
	M33	1-1/4"									
	M36	1-3/8"									
XBT-9	M39	1-1/2"	896.8	59.7	133	61	208	120	60	86- 93	10
	M42	1-5/8"									
	M45	1-3/4"									
	M48	1-7/8"									
XBT-13	M52	2"	1245.0	83	163	73	231	135	62	106- 114	16
	M56	2-1/4"									
	M60										
XBT-19	M64	2-1/2"	1843.3	123	193	86.5	254	150	62	129- 135	22
	M68										
	M72	2-3/4"									
	M76	3"									
XBT-27	M76	3"	2640.5	176	233	110	286	180	73	155- 167	24
	M80										
	M85	3-1/4"									
	M90	3-1/2"									
	M95	3-3/4"									
XBT-44	M100	4"	4335.0	289	314	121-140	304- 338	181-197	37-40	210- 233	85
	M110	4-1/4"									
	M120	4-3/4"									
	M125	5"									
XBT-54	M120	4-3/4"	5404.0	360	344	131- 161	354-388	202-216	42-47	243-275	125
	M130	5-1/4"									
	M140	5-1/2"									

SPRING RETURN HYDRAULIC BOLT TENSIONER XST SERIES



Model	BOLT SIZE				Max. Load kN (Ton)	Hyd. Area cm ² (in ²)	A mm (in)	B mm (in)	C mm (in)	Clearance Dmm (in)	Weight Kg (lbs)
	Imperial		Metric								
XST 1	3/4"	XST2-1	M20	XST1-3	160 (16.31)	10 (1.56)	66 (2.59)	93 (3.66)	63 (2.48)	136 (5.35)	1.4 (3.08)
XST 2	1"	XST2-1	M24	XST2-3	280 (28.55)	18.67 (2.89)	87 (3.42)	117 (4.60)	68 (2.67)	175 (6.88)	2.7 (5.95)
XST 3	1"	XST3-1	M24	XST3-5	450 (45.88)	30.01 (4.65)	103 (4.05)	117 (4.60)	80 (3.14)	80 (3.14)	4.1 (9.03)
	1-1 /8"	XST3-2	M30	XST3-7				120 (4.72)	84 (3.30)	84 (3.30)	
								123 (4.84)	89 (3.50)	89 (3.50)	
	1-3/8"	XST3-4	M36	XST3-9				126 (4.96)	88 (3.46)	88 (3.46)	
XST 4					660 (67.30)	44.01 (6.82)	118 (4.64)	123 (4.84)	96 (6.77)	96 (6.77)	5.4 (11.9)
	1-3/8"	XST4-2	M36	XST4-6				126 (4.96)	96 (3.77)	96 (3.77)	
								130 (8.11)	105 (4.13)	105 (4.13)	
	1-5/8"	XST4-4	M42	XST4-8				133 (5.23)	112 (4.40)	112 (4.40)	
XST 5					1000 (101.97)	66.68 (10.33)	140.5 (5.53)	132 (5.19)	114 (4.48)	114 (4.48)	8.4 (18.51)
	1-5/8"	XST5-2	M42	XST5-7				135 (5.31)	118 (4.64)	118 (4.64)	
								139 (5.47)	114 (4.48)	114 (4.48)	
	1-7/8"	XST5-4	M48	XST5-9				142 (5.59)	120 (4.72)	120 (4.72)	
							145 (5.70)	120 (4.72)	120 (4.72)		
XST 6	2"	XST6-1	M52	XST6-5	1500 (152.95)	100.03 (15.50)	175.5 (6.90)	148 (5.82)	138 (5.43)	259 (10.19)	13.8 (30.42)
								154 (6.06)	138 (5.43)	259 (10.19)	
								161 (6.33)	153 (6.02)	272 (10.70)	
								161 (6.33)	153 (6.02)	272 (10.70)	
	2-3/4"	XST6-4	M68	XST6-9				167 (6.57)	156 (6.14)	284 (11.18)	
XST 7					2500 (254.92)	166.71 (25.84)	219 (8.62)	167 (6.57)	157 (6.18)	294 (11.57)	23 (50.70)
								171 (6.73)	158 (6.22)	307 (12.08)	
	3"	XST6-1	M76	XST7-6				180 (7.08)	190 (7.48)	310 (12.20)	
								180 (7.08)	190 (7.48)	320 (12.59)	
	3-1/4"	XST67-3	M85	XST7-8				186 (7.32)	205 (8.07)	332 (13.07)	
XST 8					3200 (326.30)	213.39 (33.07))	252 (9.92))	186 (7.32)	200 (7.87)	339 (13.34)	32 (70.54)
								186 (7.32)	200 (7.87)	346 (13.62)	
	3-1/4"	XST 8-1	M90	XST 8-4				192 (7.55)	200 (7.87)	352 (13.85)	
	3-3/4"	XST 8-2	M100	XST8-6				199 (7.83)	210 (8.26)	364 (14.33)	

MULTI-STAGE HYDRAULIC BOLT TENSIONER XMT SERIES



Features:

- || Working Pressure 1500Bar / 21755 psi
- | Fast, simple, accurate, reliable and ideal tightening and bolting tool for Wind Turbine
- | Small, compact, can impart large tensioning load
- | Durable composite material seal kit
- | Clear over stroke alarming mark
- | Optional gear drive allows the user rotate the nut quickly

Model	Bolt Diameter		The Min. Length of Thread (mm)	The Max. Length of Thread (mm)	Working Stroke (mm)	Bolt Distance (mm)	Max. Load (kn)	Outline Diameter (mm)	Min. height (mm)
	(mm)	(in)							
XMT-M30	M30	1-1/8	62	69	7	66	464	73	276
XMT-M33	M33	1-1/4	66	73	9	72	583	78	295
XMT-M36	M36	1-3/8	75	82	9	77	677	84	326
XMT-M39	M39	1-1/2	78	88	10	83	805	90	360
XMT-M42	M42	1-5/8	83	91	10	89	926	96	357
XMT-M45	M45	1-3/4	87	96	10	96	1091	105	371
XMT-M48	M48	1-7/8	93	102	10	102	1231	110	387

Note: Dimensions are subject to change.

WIND TURBINE FOUNDATION BOLT TENSIONER XWT SERIES

To meet electricity generation targets Wind Turbines must be installed rapidly and these structures require a strong foundation, it is a task which requires a tool that can be relied upon repeatedly.



FEATURES:

- | Custom Built Tools with Synchronized Tensioner Operation.
- | An Auto retract mechanism makes installation faster.
- | High Tensioning Force available for various thread profiles and a wide range of Bolt Sizes.
- | Compatible with Electrical, Pneumatic and Manually Operated Power Packs.

POWERPACK FOR HYDRAULIC BOLT TENSIONERS



AIR OPERATED HYDRAULIC POWER PACK FOR TENSIONERS



The Air Operated Pumps are designed considering the safety, reliability and maximum operator comfort. All the pressure connections are facing away from operator.

Model No. : XAP 1500

Consumption of Free Air 800 Litres per minute (28 Standard cubic feet per minute)
Air Pressure Required 4 - 7 Bar (60 - 100 psi) Finish Pressure Gauge Dual Scale 0 - 2000 Bar (0-29000 psi)
Working Pressure 1500 Bar

HAND PUMPS FOR BOLT TENSIONERS



Model No.: XHP-1500 Maximum Working Pressure: 1600 Bar Tanks Size: 1.8 / 2.4 Ltr.
The XTORC Two-Stage Hand Pumps come with Standard Pressure Gauge; this gives the user precise and safe control over the work carried out. The gauge is directly mounted on to the pump and is well protected by the specially designed pump lever. Return connections on all pumps - Robust design - Aluminum Tank - Easy and simple maintenance

ULTRA HIGH PRESSURE ELECTRIC PUMP FOR TENSIONING APPLICATIONS



Two Stage piston pump, compact, robust and reliable

1.1 kw electric motor, powerful, big flow

Safety and easy operating control line

When pressure under the set pressure 1 Bar/ 14.5 psi, pressure switch start automatically and pressure will be raise to set value

Single and double acting available, apply to various operation

High performance radiator ensure continuous operation



Integral Hydraulic System, Compact and Robust



Dual Pistons, no gear pump, stable pressure

Model	Reservoir (L)	Motor (KW)	Supply *	Max. Working Pressure	Size (mm)	Control Line (m)	Output Flow (L/min)	Weight (kg)	Mode of Action
XEP 1500	7.6	1.1	220V/50Hz/single phase	2000 bar/ 29000 psi	375X300X410	6	2@ 50 bar/725 psi	20	Single Acting
XEP 1500D							0.3@ 2000 bar/29000 psi		Double Acting

*Supply: Voltage and frequency can be demanded by customer

ACCESSORIES



XTORC FLANGE SPREADERS HYDRAULIC VERTICAL LIFTING WEDGE XVWL

XTORC Hydraulic Vertical Lifting Wedge XVWL has been developed as an easy to use or a cost effective way to find solutions to heavy lifting where minimum clearance is available. It will lift objects vertically where an access gap of 3/8" (9.5mm) or more is available. The HVWL-10 will lift an object fast, with a secure and fast lifting force of 16 Tons per tool.



Special Features:

- I Access gap of only 3/8" (9.5mm) needed.
- I 3/4" (19.0mm) of vertical lift available from each step
- I I Max. height of 50mm on 4th step
- I Automatic spring return retraction
- I Interlocking first step ensures safe hold
- I I No slippage due to locking
- Will lift in a straight vertical place

Kit Options:

MINI KIT
 I1xHydraulic Vertical Lifting Wedge Assembly I1 x Safety Block
 I1 x Stepped Block
 I1 x Instruction Manual



STANDARD KIT

I1 x Hydraulic Vertical Lifting Wedge Assembly
 I1 x 10,000 psi (700 Bar) Two Stage Hydraulic Hand Pump I1 x 10,000 psi (700 Bar) Hydraulic Hose Length 6 feet
 I1 x Safety Block
 I1 x Stepped Block
 I1 x Instruction Manual I1 x Carry Case



HYDRAULIC SPREADING WEDGE XWFS

The Spreading Wedge has been developed as the simple cost effective solution for flange spreading

Special Features:

- II Only requires an access gap 1/4" (6mm)
- II Robust light weight tool-just 7.2 kg (16 lbs)
- I 10,000 psi (700 Bar) generates 14.0 Tons spreading force
- Automatic Spring Return
- Locking at first step ensures on slippage increased safety



Kit Options:

MINIKIT

I 1 xHydraulic Spreading Wedge Assembly
 I 1 x Safety Block
 I 1 x Instruction Manual I1 x Carry Case



STEPPED BLOCK ACCESSORY

I 2 x Safety Block
 I 2 x CSK M6 x 12mm
 I Countersunk Screws



STANDARD KIT

I1 x Hydraulic Spreading Wedge Assembly
 I1 x 10,000 psi (700 Bar) Two Stage Hydraulic Hand Pump
 I1 x 10,000 psi (700 Bar) Hydraulic Hose
 I1 x Safety Block
 I1 x Instruction Manual
 I1 x Carry Case
 I Gross Weight: 17 kg.



MAXI KIT

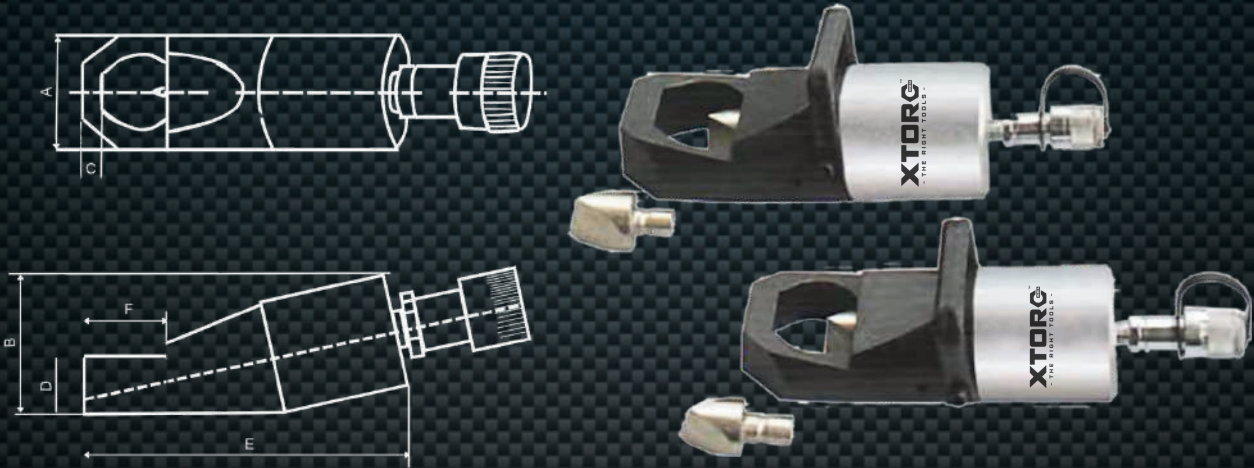
I 2 x Hydraulic Spreading Wedge Assembly I1 x 10,000 psi (700 Bar) Two Stage Hydraulic Hand Pump I2 x 10,000 psi (700 Bar) Hydraulic Hoses
 I 2 x Safety Block I1 x Instruction Manual I1 x Carry Case I1 x 10,000 psi Twin Valve Manifold IGross Weight: 28kg.



XTORC ANGLE NUT SPLITTER

XTORC's Light Weight Hydraulic Nut Splitters are used in applications that involve corrosion; it can be used to remove corroded or seized nuts fast and safely. The light weight option helps the user to apply the product to lower sized bolts.

XTORC's offers Weight Hydraulic Nut Splitters for a range of Hex size 0.37" to 2.95". Our product is designed for operator comfort that fits tight spaces and it cuts through the hardest of nuts.

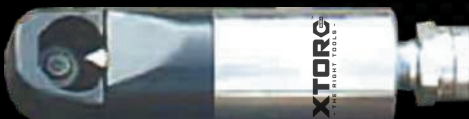


Model	Hex Size in (mm)	Thread Size in (mm)	A in(mm)	B in(mm)	C in(mm)	D in(mm)	E in(mm)	F in(mm)	Weight lba(kg)	Replacement Chisel Model Nos.
STANDARD										
XNSL-5	0.37"-0.75" (10-19)	M6-M12	1.57" (40)	2.04" (52)	0.31" (8)	0.79" (20)	5.11" (130)	1.18" (30)	2 (1)	TNSC-5
XNSL-10	0.75"-0.94" (19-24)	M12-M16	2.12" (54)	2.64" (67)	0.47" (12)	0.94" (24)	6.41" (163)	1.41" (41)	4 (2)	TNSC-10
XNSL-15	0.94"-1.26" (24-32)	M16-M22	2.52" (64)	3.11" (79)	0.51" (13)	1.18" (30)	7.36" (187)	2.04" (52)	6 (3)	TNSC-15
XNSL-20	1.26"-1.61" (32-41)	M22-M27	3.07" (78)	3.70" (94)	0.78" (20)	1.46" (37)	8.62" (219)	2.72" (69)	10 (4.5)	TNSC-20
XNSL-35	1.61"-1.97" (41-50)	M27-M33	3.74" (95)	4.45" (113)	0.83" (21)	1.77" (45)	10.43" (265)	3.07" (78)	21 (9.6)	TNSC-35
XNSL-50	1.97"-2.36" (50-60)	M33-M39	4.17" (106)	5.04" (128)	0.98" (25)	2.12" (54)	11.69" (297)	3.58" (91)	29 (13)	TNSC-50
XNSL-90	2.36"-2.95" (60-75)	M39-M48	6.14" (156)	7.28" (185)	1.06" (27)	2.95" (75)	14.05" (357)	4.33" (110)	75 (34)	TNSC-90

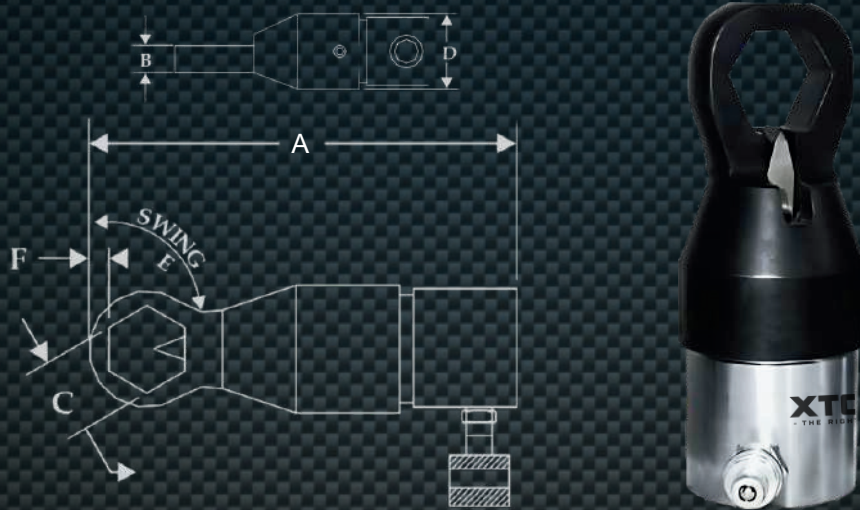
Higher capacity and customized solutions on request
Specifications are subject to change due to continual improvement

Application

- I The fast, sure and safe method to cut and remove seized nuts
- II Compact and ergonomic angled head design
Heavy duty cutting tool, can be re-ground



XTORC HEAVY DUTY HYDRAULIC NUT SPLITTERS



Model	Stud Diameter in (mm)	Nut A/F in (mm)	A in (mm)	B in (mm)	C in (mm)	D in (mm)	E in (mm)	F in (mm)	Weight lbs(kg)
Standard									
XNSH 105	7/16"-7/8" (11-22)	5/8"-17/16" (16-36)	11" (271)	1.05 (38)	1.49" (38)	4.13" (105)	60	0.39" (10)	20 (9)
XNSH 200	7/8"-1 1/4" (22-31)	1 5/16"-2" (33-50)	11.29" (287)	1.05" (38)	2.12" (54)	4.25" (108)	45	0.51" (13)	21 (10)
XNSH 204	1 1/4"-1 1/2" (32-38)	1 7/8"-2 3/8" (47-60)	15.16" (385)	2 1/4" (57)	2.52" (64)	6.45" (164)	30	0.55" (14)	71 (32)
XNSH 210	1 3/8"-1 3/4" (39-44)	2 1/16"-2 3/4" (52-70)	16.10" (398)	2 1/4" (57)	2.87" (73)	6.45" (164)	30	0.70" (18)	72 (33)
XNSH 308	1 3/4"-2 1/4" (45-57)	2 5/8"-3 1/2" (70-89)	17.75" (460)	3" (77.8)	3.89" (99)	8.42" (214)	30	0.75" (19)	158 (72)
XNSH 314	2"-2 1/2" (50-64)	3 1/8"-3 7/8" (79-98)	18" (488)	3.12" (79.4)	4.25" (108)	8.42" (214)	30	0.86" (22.2)	163 (74)
XNSH 404	2 1/2"-2 3/4" (64-70)	3 3/4"-4 1/4" (95-108)	22.75 (579)	3.75" (95.3)	4.64" (118)	9.88" (251)	60	1.14" (28.6)	251 (114)
XNSH 500	3"-3 1/4" (76-83)	4 1/2"-5" (114-127)	18" (488)	4.12" (104.8)	5.39" (137)	9.88" (251)	60	1.14" (28.6)	256 (116)
XNSH 506	3 1/4"-3 1/2" (83-89)	4 7/8"-5 3/8" (124-136)	23.5" (598)	4.12" (104.8)	5.86" (149)	9.88" (251)	60	1.14" (28.6)	262 (119)

Nut Splitter is supplied complete with:

- || Hydraulic Cylinder
- || Housing
- || Chisel
- || Set of Allen Keys Spacer Set
- Packed in a Rugged Steel Tool Box

Application:

- || Designed for Operator comfort Removes corroded nuts faster Removes frozen nuts safely
- Fits tight spaces
- Cuts through the hardest nuts

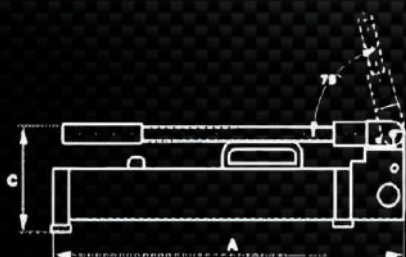
POWERPACK FOR CYLINDERS

Reservoir Capacity: 28 - 55 litres
 Flow at Rated Pressure: 1-2.21/min
 Motor Size: 1.5 - 3 kw
 Max. Operating Pressure: 700 bar



Model No.	Oil Flow		Pressure (bar)		Power	Oil Capacity	Input Power*	Weight	Dimensions
	High Pressure	Low Pressure	High Pressure	Low Pressure					
	(l/min)	(1/min)	(bar)	(bar)				(kg)	(mm)
EL 10	1	6.3	700	70	1.5	28	220V-440V 3Ph/50Hz	50	565*385*620
	1	7.5	700	70	1.5	28	220V-480V 3Ph/60Hz	50	565*385*620
EL 15	1.5	7	700	70	2.2	28	220V-440V 3Ph/50Hz	55	565*385*620
	1.5	8	700	70	2.2	28	220V-480V 3Ph/60Hz	55	565*385*620
EL 25	2.2	9.3	700	70	3	55	220V-440V 3Ph/50Hz	74	605*525*790
	2.2	8.6	700	70	3	55	200V-480V 3Ph/60Hz	74	605*525*790

HAND PUMP FOR CYLINDERS



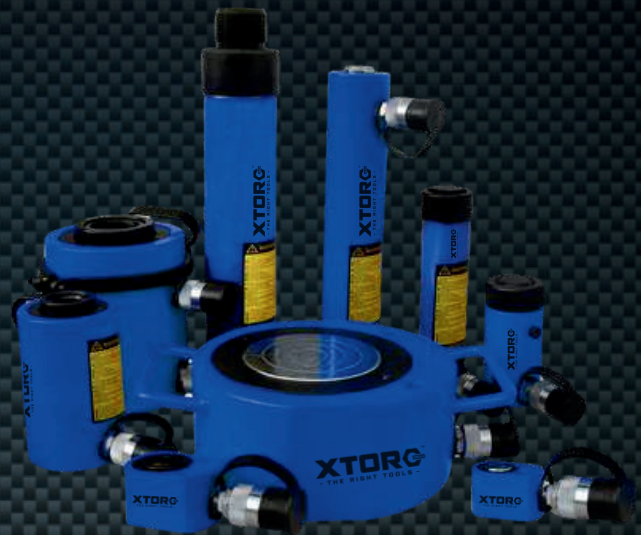
Pump Type	Usable Oil Capacity	Model Number	Pressure Rating		Output Oil Volume Each Stroke		Handle Force	Dimensions (mm)			Output Adapter	Weight
	(cm^3)			1st Stage	2st Stage	1st Stage		2st Stage	(N)			
Double Speed	655	HH 7-0.7	25	700	15	2.6	300	520	133	119	NPT 3/8"	5.3
	1440	HH 7-1	25	700	32	2.5		577	120	170		6.3
	2200	HH 7-2	25	700	16	2.5		539	146	170		8
	3240	HH 7-3	25	700	32	2.5		582	200	170		10
	5860	HH 7-4	25	700	32	2.5		667	250	172		14.5
	7500	HH 7-8	14	700	126	4.8		742	308	270		27
	1440	HH 16-1	15	1600	32	2.5	375	577	120	170	G1¼"	6.3
	3240	HH 16-3	15	1600	32	2.5		577	140	190		10

HYDRAULIC CYLINDERS

XTORC's Cylinders operate with a maximum pressure of 700 Bar. With Single and Double Acting ranges.

XTORC's Cylinders show versatility in operational requirements and fulfills the need of the user.

All Single Acting Cylinders are spring return and Double Acting Cylinders are oil return.



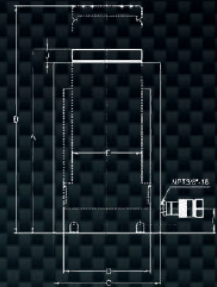
SINGLE-ACTING HOLLOW HYDRAULIC CYLINDER



Cylinder Capacity ton (kN)	Stroke (mm)	Model Number	Oil Capacity (cm ³)	Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Dia.	Plunger Dia. (Thread)	Weight (Kg)
				A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	
13 (125)	42	SAHH 130-42	76	130	172	76	55	35.5	3.4
	76	SAHH 130-76	138	184	260	76	55	35.5	5.2
20 (215)	49	SAHH 200-49	174	162	211	101	77	54.5	8.2
	155	SAHH 200-155	550	306	461	101	77	54.5	15
30 (326)	64	SAHH 300-64	307	180	244	115	90	64.5	11.5
	155	SAHH 300-155	744	330	485	115	90	64.5	21.5
60 (576)	76	SAHH 600-76	640	247	323	159	125	94.5	28.2
	153	SAHH 600-153	1278	323	476	159	125	94.5	35.5
95 (931)	76	SAHH 1000-76	1028	254	330	212	165	125	63.5

SINGLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER

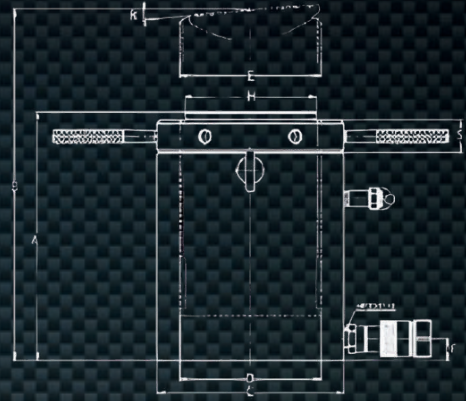
Capacity: 50-800 ton
Stroke: 50-300 mm
Max. Pressure: 700 bar



Cylinder Capacity	Stroke	Model Number	Cylinder Effective Area	Oil Capacity	Collapsed Height	Extend Height	Outside Dia.	Cylinder Bore Dia.	Plunger Dia.	Base to Advance Port	Weight
ton	(mm)		(cm²)	(cm³)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)
50	50	STH 50-50	78.5	392	188	238	140	100	70	41	21.5
	100	STH 50-100	78.5	784	238	338	140	100	70	41	26
	150	STH 50-150	78.5	1176	288	438	140	100	70	41	31
	200	STH 50-200	78.5	1568	338	538	140	100	70	41	35
	300	STH 50-300	78.5	2352	438	738	140	100	70	41	44
100	50	STH 100-50	153.9	770	216	266	180	140	100	54	42
	100	STH 100-100	153.9	1540	266	366	180	140	100	54	49
	150	STH 100-150	153.9	2310	316	466	180	140	100	54	56
	200	STH 100-200	153.9	3080	366	566	180	140	100	54	63
	300	STH 100-300	153.9	4620	466	766	180	140	100	54	70
150	50	STH 150-50	201	1005	224	274	210	160	112	58	44
	100	STH 150-100	201	2010	274	374	210	160	112	58	57
	150	STH 150-150	201	3015	324	474	210	160	112	58	70
	200	STH 150-200	201	4020	374	574	210	160	112	58	83
	300	STH 150-300	201	6030	474	774	210	160	112	58	109
200	50	STH 200-50	314	1570	246	296	250	200	150	64	84
	150	STH 200-150	314	4712	346	496	250	200	150	64	118
	300	STH 200-300	314	9423	496	796	250	200	150	64	152
320	50	STH 300-50	490.6	2453	277	327	315	250	180	74	155
	150	STH 300-150	490.6	7359	377	527	315	250	180	74	195
	300	STH 300-300	490.6	14718	527	827	315	250	180	74	255
400	50	STH 400-50	572.3	2861	305	355	355	270	220	83	240
	150	STH 400-150	572.3	8583	405	555	355	270	220	83	310
	300	STH 400-300	572.3	17169	555	855	355	270	220	83	415
500	50	STH 500-50	803.8	4019	325	375	395	320	250	93	285
	150	STH 500-150	803.8	12057	425	575	395	320	250	93	353
	300	STH 500-300	803.8	24114	575	875	395	320	250	93	455
630	50	STH 600-50	1017.4	5087	386	436	450	360	280	115	487
	150	STH 600-150	1017.4	15261	486	636	450	360	280	115	579
	300	STH 600-300	1017.4	30522	636	936	450	360	280	115	717
800	50	STH 800-50	1256	6280	427	477	550	400	320	113	712
	150	STH 800-150	1256	18840	527	677	550	400	320	113	860
	300	STH 800-300	1256	37698	677	977	550	400	320	113	1082

SINGLE ACTING LOW PROFILE LOCK-NUT HYDRAULIC CYLINDER

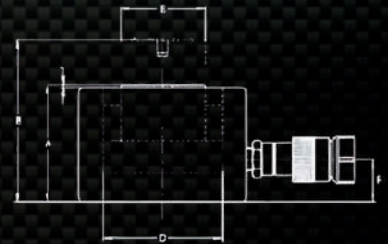
Capacity: 60-520 ton
Stroke: 45-50 mm
Max. Pressure: 700 bar



Cylinder Capacity	Stroke	Model Number	Oil Capacity	Collapsed Height	Extended height	Outside Dia.	Cylinder bore Dia.	Plunger Dia. (Thread)	Base to advance port	Saddle Dia.	Saddle Prostrution from plgr.	Saddle Max. tilt angle	Plunger Dia.	Weight
				A	B	C	D	E	F	H	J	R	S	
ton	(mm)			(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
60 (606)	50	SLLH 60-50	432	125	175	140	106	Tr104x4	19	96	6	5	28	15
100 (1027)	50	SLLH 100-50	734	137	187	180	137	Tr136x6	21	126	8	5	31	27
160 (1619)	45	SLLH 160-45	1040	148	193	224	172	Tr171x6	27	160	9	5	40	45.5
200 (1999)	45	SLLH 200-45	1285	155	200	245	190.7	Tr190x6	30	180	10	5	43	57
260 (2567)	45	SLLH 250-45	1650	159	204	275	216	Tr215x6	32	200	11	5	44	74
400 (3916)	45	SLLH 400-45	2517	178	223	350	270	Tr266x6	41	251	11	4	55	134
520 (5114)	45	SLLH 500-45	3287	192	237	400	305	Tr304x6	48	289	10	3	62	188

SINGLE ACTING LOW PROFILE HYDRAULIC CYLINDER

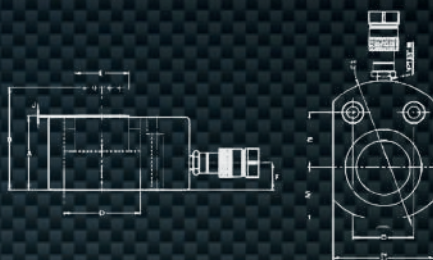
Capacity: 10-150 ton
Stroke: 11-80 mm
Max. Pressure: 700 bar



Cylinder Capacity	Stroke	Model Number	Oil Capacity	Collapsed Height	Extended height	Outside Dia.	Cylinder bore Dia.	Plunger Dia. (Thread)	Base to advance port	Saddle Prostrution from plgr.	Saddle Max. tilt angle	Plunger to mounting hole	Weight
				A	B	C	D	E	F	J	M	N	
ton	(mm)			(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(*)	(kg)
10 (101)	38	SLH 10-38	60	88	126	78	45	35	23	2			4
20 (201)	45	SLH 20-45	140	97	142	96	63	50	23	2			6.9
30 (295)	64	SLH 30-64	290	117	181	109	76	60	23	2			9.8
50 (435)	60	SLH 50-60	471	120	180	233	200	80	24	2			13.3
75 (718)	50	SLH 75-50	584	116	166	157	122	100	21	2			
100 (887)	57	SLH 100-57	877	141	198	176	140	112	31	2			24.5
150 (1386)	51	SLH 150-51	1184	141	192	215	172	145	28	2			42
150 (1386)	80	SLH 150-80	1860	170	250	215	172	145	28	2			50

SINGLE ACTING LOW FLAT HYDRAULIC CYLINDER

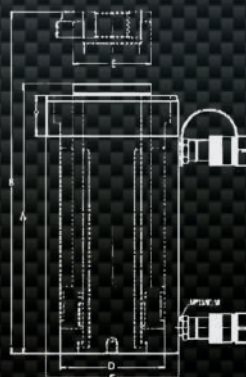
Capacity: 10-150 ton
Stroke: 11-80 mm
Max. Pressure: 700 bar



Cylinder Capacity ton	Stroke (mm)	Model Number	Oil Capacity	Collapsed Height	Extended height	Outside Dia.	Cylinder bore Dia.	Plunger Dia. (Thread)	Base to advance port	Saddle Prostrution from plgr.	Saddle Max. tilt angle	Plunger to mounting hole	Weight (kg)
				A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	J (mm)	M (mm)	N (°)	
10 (101)	11	SLFH 10-11	18	44	55	83x60	45	35	23	1	31.5	34	1.4
20 (201)	12	SLFH 20-12	37	52	64	102x80	63	50	23	1	41	39	2.2
30 (295)	13	SLFH 30-13	59	58	71	117x97	76	60	23	1	48.5	47	4.2
50 (435)	16	SLFH 50-16	125	67	83	150x125	100	80	23	1	63	60	7.4
75 (718)	16	SLFH 75-16	187	79	96	177x152	122	100	23	1	76.5	73	12.7
100 (887)	16	SLFH 100-16	246	87	103	203x179	140	112	23	1	89.5	84	15.5
150 (1386)	16	SLFH 150-16	371	95	111	236x212	172	145	23	1	106	92	28.7

DOUBLE ACTING HOLLOW HYDRAULIC CYLINDER

Capacity: 30-145 ton
Stroke: 38-258 mm
Max. Pressure: 700 bar

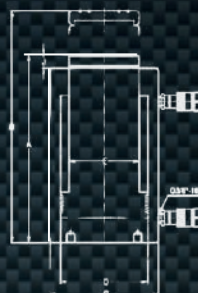


Cylinder Capacity ton (kN)	Stroke (mm)	Model Number	Max. Cylinder Capacity		Oil Capacity		Collapsed height	Extended height	Outside Dia.	Cylinder Bore Dia.	Plunger Dia. (Thread)	Weight (kg)
			Advance	Retract	Advance	Retract	A	B	C	D	E	
			(kN)		(cm³)		(mm)	(mm)	(mm)	(mm)	(mm)	
30	178	DHH 300-178	326	210	855	550	330	508	115	90	64.5	21
	258	DHH 300-258	326	210	1240	798	431	689	115	90	64.5	27
60	89	DHH 600-89	576	360	749	468	247	336	159	125	94.5	28
	166	DHH 600-166	576	360	1398	873	323	489	159	125	94.5	35
	257	DHH 600-257	576	360	2146	1352	438	695	159	125	94.5	45
95	38	DHH 1000-38	931	627	517	345	165	203	212	165	125	33
	76	DHH 1000-76	931	627	1028	692	254	330	212	165	125	61
	153	DHH 1000-153	931	627	2070	1394	342	495	212	165	125	79
	257	DHH 1000-257	931	627	3477	2341	460	717	212	165	125	106
145	203	DHH 1500-203	1429	749	4191	2198	359	562	247	190.5	150	111

DOUBLE ACTING HIGH TONNAGE HYDRAULIC CYLINDER



Capacity: 50-800 ton
Stroke: 50-300 mm
Max. Pressure: 700 bar



Cylinder Capacity	Stroke	Model Number	Max. Cylinder Capacity		Oil Capacity		Collapsed height	Extended height	Outside Dia.	Cylinder Bore Dia.	Plunger Dia. (Thread)	Weight
			Advance	Retract	Advance	Retract	A	B	C	D	E	
ton (kN)	(mm)		(kN)		(cm³)		(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
50	50	DHT50-50	500	255	392	200	188	238	140	100	70	21.5
	100	DHT50-100	500	255	784	400	238	338	140	100	70	26
	150	DHT50-150	500	255	1176	600	288	438	140	100	70	31
	200	DHT50-200	500	255	1563	800	338	538	140	100	70	35
	300	DHT50-300	500	255	2352	1200	438	738	140	100	70	44
100	50	DHT100-50	1000	490	770	377	216	266	180	140	100	42
	100	DHT100-100	1000	490	1540	754	266	366	180	140	100	49
	150	DHT100-150	1000	490	2310	1131	316	466	180	140	100	56
	200	DHT100-200	1000	490	3080	1508	366	566	180	140	100	63
	300	DHT100-300	1000	490	4620	2262	466	766	180	140	100	70
150	50	DHT150-50	1390	709	1005	512	224	274	210	160	112	44
	100	DHT150-100	1390	709	2010	1025	274	374	210	160	112	57
	150	DHT150-150	1390	709	3015	1537	324	474	210	160	112	70
	200	DHT150-200	1390	709	4020	2050	374	574	210	160	112	83
	300	DHT150-300	1390	709	6030	3075	474	774	210	160	112	109
200	100	DHT200-100	2000	875	3141	1374	296	396	250	200	150	109
	150	DHT200-150	2000	875	4712	2061	346	496	250	200	150	121
	200	DHT200-200	2000	875	6282	2748	396	596	250	200	150	132
	300	DHT200-300	2000	875	9423	4122	496	796	250	200	150	155
300	100	DHT300-100	3193	1537	4906	2363	327	427	315	250	180	180
	200	DHT300-200	3193	1537	9812	4726	427	627	315	250	180	220
	300	DHT300-300	3193	1537	14718	7089	527	827	315	250	180	260
400	100	DHT400-100	3919	1317	5723	1924	355	455	355	270	220	255
	200	DHT400-200	3919	1317	11446	3848	455	655	355	270	220	310
	300	DHT400-300	3919	1317	17169	5772	555	855	355	270	220	375
500	100	DHT500-100	5000	1948	8038	3133	375	475	395	320	250	326
	200	DHT500-200	5000	1948	16076	6266	475	675	395	320	250	394
	300	DHT500-300	5000	1948	24114	9399	575	875	395	320	250	462
600	100	DHT600-100	6300	2488	10174	4019	436	536	450	360	280	542
	200	DHT600-200	6300	2488	20348	8038	536	736	450	360	280	634
	300	DHT600-300	6300	2488	30522	12057	636	936	450	360	280	726
800	100	DHT800-100	8000	2880	12566	4522	477	577	550	400	320	796
	200	DHT800-200	8000	2880	25132	9044	577	777	550	400	320	944
	300	DHT800-300	8000	2880	37698	13566	677	977	550	400	320	1092

FLANGE SPECIFICATIONS

Nominal Size		Flange Size																	
		150			300			600			900			1500			2500		
		No. of Bolts	BoltDia inches	BoltDia mm	No. of Bolts	BoltDia inches	BoltDia mm	No. of Bolts	BoltDia inches	BoltDia mm	No. of Bolts	BoltDia inches	BoltDia mm	No. of Bolts	BoltDia inches	BoltDia mm	No. of Bolts	BoltDia inches	BoltDia mm
1/2		4	1/2	14	4	1/2	14	4	1/2	14	4	3/4	20	4	3/4	20	4	3/4	20
3/4		4	1/2	14	4	5/8	16	4	5/8	16	4	3/4	20	4	3/4	20	4	3/4	20
1		4	1/2	14	4	5/8	16	4	5/8	16	4	7/8	24	4	7/8	24	4	7/8	24
1.1/4		4	1/2	14	4	5/8	16	4	5/8	16	4	7/8	24	4	7/8	24	4	1	27
1.1/2		4	1/2	14	4	3/4	20	4	3/4	20	4	1	27	4	1	27	4	1.1/8	30
2		4	5/8	16	8	5/8	16	8	5/8	20	8	7/8	24	8	7/8	24	8	1	27
2.1/2		4	5/8	16	8	3/4	20	8	3/4	20	8	1	27	8	1	27	8	1.1/8	30
3		4	5/8	16	8	3/4	20	8	3/4	20	8	7/8	24	8	1.1/8	30	8	1.1/4	33
3.1/2		8	5/8	20	8	3/4	20	8	7/8	22									
4		8	5/8	20	8	3/4	20	8	7/8	24		1.1/8	30	8	1.1/4	33	8	1.1/2	39
5		8	3/4	20	6	3/4	20	8	1	27	8	1.1/4	33	8	1.1/2	39	8	1.3/4	45
6		8	3/4	20	12	3/4	24	12	1	27	12	1.1/8	30	12	1.3/8	36	8	2	52
8		8	3/4	24	12	7/8	27	12	1.1/8	30	12	1.3/8	36	12	1.5/8	42	12	2	52
10		12	7/8	24	16	1	30	16	1.1/4	33	16	1.3/8	35	12	1.7/8	48	12	2.1/2	64
12		12	7/8	27	16	1.1/8	30	20	1.1/4	33	20	1.3/8	36	12	2	52	12	2.3/4	70
14		12	1	27	20	1.1/8	33	20	1.3/8	36	20	1.1/2	39	16	2.1/4	56			
16		16	1	30	20	1.1/4	33	20	1.1/2	39	20	1.5/8	42	16	2.1/2	54			
18		16	1.1/8	30	24	1.1/4	33	20	1.5/8	42	20	1.7/8	48	16	2.3/4	70			
20		20	1.1/8	33	24	1.1/4	33	24	1.5/8	42	20	2	52	16	3	76			
24		20	1.1/4	33	24	1.1/2	42	24	1.7/8	48	20	2.1/2	64	16	3.1/2	90			
26		24	1.1/2	33	28	1.1/4	42	24	1.3/4	48	20	2.3/4	70						
28		28	1.1/2	33	28	1.1/2	45	28	2	52	16	3	76						
30		28	1.1/2	33	28	1.3/4	40	28	2	52	20	3	76						
32		28	1.1/2	39	28	1.1/4	48	28	2.1/2	56	20	3.1/2	85						
34		32	1.1/2	39	28	1.1/2	48	28	2.1/2	56	20	3.1/2	90						
36		32	1.1/2	39	32	2	52	28	2.1/2	64	20	3.1/2	90						

TORQUE SPECIFICATIONS

Bolt Size	A/F	Bolt Grade: 8.8				Bolt Grade: 10.9				Bolt Grade: 12.9				Bolt Size	A/F	Bolt Grade: B7/B16			
		Torque Values (Nm)			Tension (KN)	Torque Values (Nm)			Tension (KN)	Torque Values (Nm)			Tension (KN)			Torque Values (Nm)			Tension (KN)
		μ=0.10	μ=0.15	μ=0.2		μ=0.10	μ=0.15	μ=0.2		μ=0.10	μ=0.15	μ=0.2				μ=0.10	μ=0.15	μ=0.2	
M16	24	121	165	208	54	171	232	292	76	205	278	351	91	5/8"	1.1/16"	126	171	215	57
M18	27	165	224	283	66	233	316	399	92	279	379	478	111						
M20	30	237	322	406	85	333	452	571	119	400	543	685	143	3/4"	1.1/4"	226	306	387	85
M22	32	327	443	560	106	459	623	787	149	551	748	945	179	7/8"	1.7/16"	366	496	627	117
M24	36	409	556	702	122	576	781	987	171	691	938	1184	206						
M27	41	608	828	1043	161	855	1161	1467	226	1027	1393	1760	272	1"	1.5/8"	549	745	941	154
M30	46	820	1113	1406	195	1154	1566	1978	275	1384	1879	2373	330	1.1/8"	1.13/16"	816	1107	1398	204
M33	50	1128	1531	1933	244	1586	2152	2719	343	1903	2583	3263	412	1.1/4"	2"	1157	1570	1983	260
M36	55	1442	1957	2472	286	2028	2752	3476	402	2433	3302	483	1.3/8"	2.3/16"	1582		2147	2712	324
M39	60	1881	2553	3225	345	2646	3590	4535	485	3175	4308	5442	581	1.1/2"	2.3/8"	2100	2850	3600	394
M42	65	2317	3145	2973	394	3259	4423	5587	554	3911	5307	6704	665	1.5/8"	2.9/16"	2720	3692	4663	471
M45	70	2912	3952	4992	462	4095	5558	7021	650	4914	6670	8425	780	1.3/4"	2.3/4"	3452	4685	5917	555
M48	75	3490	4737	5984	519	4909	6662	8415	730	5890	7994	10097	877	1.7/8"	2.15/16	4304	5841	7378	645
M52	80	4545	6169	7792	624	6392	8675	10958	878	7670	10410	13149	1054	2"	3.1/8"	5285	7173	9060	743
M56	85	5642	7658	9673	720	7935	10768	13602	1012	9522	12922	16323	1214	2.1/4"	3.1/2"	7674	10414	13155	959
M60	90	7076	9603	12130	842	9951	13504	17058	1185	11941	16205	20470	1422						
M64	95	8535	11583	14631	953	12002	16289	20575	1340	14403	19547	24690	1607	2.1/2"	3.7/8"	10691	14509	18327	1203
M68	100	10405	14121	17838	1093	14632	19858	25084	1537	17559	23830	30101	1844	2.3/4"	4.1/4"	13038	17694	22350	1333
M72	105	12530	17005	21480	1243	17620	23913	30206	1748										
M76	110	14926	20256	25587	1403	20989	28485	35981	1973										
M80	115	17608	30185	1572	1572									3"	4.5/8"	17104	23213	29321	1603
M85	120	21390	29029	36668	1797														
M90	130	25676	34847	44017	2038									3.1/4"	5"	21938	29774	37609	1898
M95	135	30500	41393	52286	2293									3.1/2"	5.3/8"	27607	37467	47326	2218
M100	145	35893	48712	61531	2564									3.3/4"	5.3/4"	34176	46382	58588	2563
M105	150	41886	56846	71805	2849									4"	6.1/8"	41712	56610	71507	2933
M110	155	48511	65837	83162	3150														

μ=0.10 Lubricated Bolts

μ=0.15 Semi Lubricated Bolts

μ=0.2 - Dry Bolts

Newton - Meter to Foot Pounds 1ft lbs (1Nm= 0.7376 ft. lbs)

Kilogram - Force Meter to Newton -Meter (1 kgfm = 9.80665 Nm)



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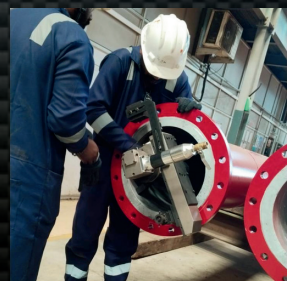
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