

TORQUE TOOL SPECIALIST



"BUSTIN YOUR NUTS"

NORTHEAST

INDUSTRIAL BOLTING

EXTREME TORQUE MACHINES

WWW.NIBTORQUE.COM

1-484-951-6628



BOLTING PROBLEM SOLVERS SINCE 2004

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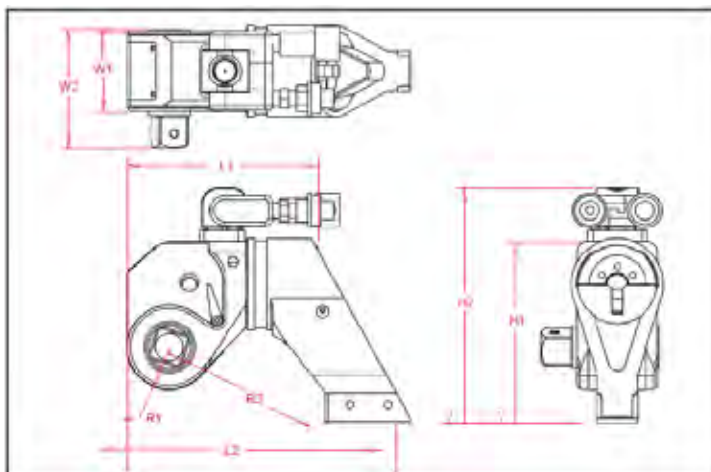
T SERIES TORQUE WRENCHES

18 MONTH WARRANTY



MADE IN THE U.S.A. FROM AIRCRAFT GRADE T6 7075 ALUMINUM

MODEL NUMBER	Units	T1	T3	T5	T8	T10	T25	T50
Square Drive Size	(In)	3/4	1	1-1/2	1-1/2	1-1/2	2-1/2	2-1/2
Optional Square Drive Sizes	(In)	1/2 & 1	3/4 & 1 1/2	1 & 2 1/2	1 & 2 1/2	1 & 2 1/2	1 1/2 & 3 1/2	3-1/2
Range Optional Hex Drive Sizes (Other sizes and special drives are available upon request)	(In)	3/8 to 1	5/8 to 1 1/4	1 to 1 1/2	1 1/8 to 1 3/4	1 1/4 to 2	1 5/8 to 2 1/4	1 5/8 to 2 3/4
	(mm)	9 to 26	16 to 32	26 to 38	28 to 45	32 to 51	41 to 57	41 to 70
Torque Range	(Ft-Lb)	197 to 1359	468 to 3124	816 to 5605	1168 to 8062	1662 to 11067	3726 to 24749	8274 to 54176
	(N-M)	267 to 1843	635 to 4236	1107 to 7601	1584 to 10932	2254 to 15007	5052 to 33560	11220 to 73463
Weight: Includes Reaction Arm	(Lb)	5.0	10.0	17.0	25.0	30.0	70.0	115.0
	(Kg)	2.27	4.54	7.71	11.34	13.61	31.75	52.15



	DIMENSIONS							
L1 - Body Length	(In)	4.81	6.29	7.10	7.70	8.80	11.80	14.75
	(mm)	122.2	159.8	180.3	195.6	223.5	299.7	374.7
L2 - Overall Length: Includes Arm	(In)	6.95	9.59	11.22	12.57	13.89	18.52	21.50
	(mm)	176.5	243.6	285.0	319.3	352.8	470.4	546.1
H1 - Tool Height	(In)	3.63	4.93	5.75	6.50	7.84	9.60	15.00
	(mm)	92.2	125.2	146.1	165.1	199.1	243.8	381.0
H2 - Overall Height: Includes Swivel	(In)	4.95	6.75	7.71	8.49	9.11	11.55	16.80
	(mm)	125.7	171.5	195.8	215.6	231.4	293.4	426.7
W1 - Tool Width	(In)	1.98	2.63	3.15	3.57	3.95	5.25	7.00
	(mm)	50.3	66.8	80.0	90.7	100.3	133.4	177.8
W2 - Tool Width: Includes Sq. Drive	(In)	2.83	3.89	4.65	5.09	5.61	7.48	9.25
	(mm)	71.9	98.8	118.1	129.3	142.5	190.0	235.0
R1 - Tool Radius around the Bolt	(In)	0.98	1.13	1.56	1.76	1.95	2.60	3.00
	(mm)	24.9	28.7	39.6	44.7	49.5	66.0	76.2
R2 - Reaction Reach	(In)	3.85	5.33	6.15	6.96	7.69	11.30	12.50
	(mm)	97.8	135.4	156.2	176.8	195.3	287.0	317.5

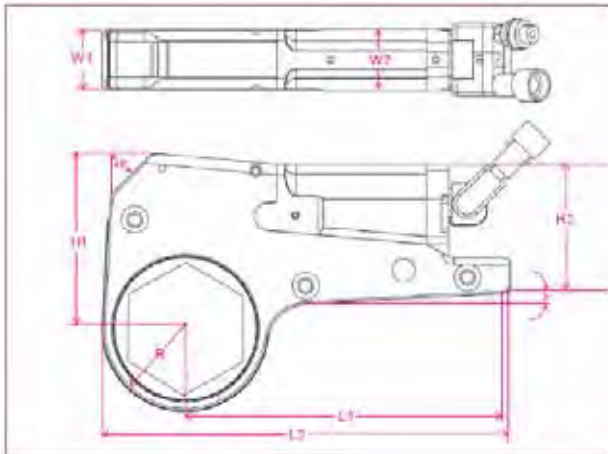
LP SERIES TORQUE WRENCHES

18 MONTH WARRANTY



MADE IN THE U.S.A. FROM 300M STEEL & AIRCRAFT GRADE T6 : 7075 ALUMINUM

MODEL NUMBER	Units	LP 2	LP 4	LP 8	LP 16	LP 32	LP 48
Range of Hex Sizes A/F	(in) (mm)	3/4 to 2-3/8 19 to 60	7/8 to 3-1/8 22 to 80	1-1/4 to 4-1/2 32 to 115	1-5/8 to 4 5/8 41 to 120	2-3/16 to 6-1/8 56 to 155	3-1/8 to 6-1/8 80 to 155
Torque Range	(ft-lb) (n-m)	268 to 1826 363 to 2476	568 to 3788 770 to 5137	1075 to 8024 1457 to 10881	2400 to 18000 3201 to 22009	5250 to 35000 7119 to 47460	7125 to 38000 9662 to 51528
Cylinder Weight	(lb) (kg)	3.45 1.56	5.8 2.63	10.2 4.62	15.5 7.03	18 8.16	19.4 8.80
Range of Link Weight	(lb) (kg)	2.20 to 3.50 1.00 to 1.58	5.25 to 7.50 2.38 to 3.40	11.40 to 14.10 5.17 to 6.39	19.70 to 27.60 8.93 to 12.51	32.00 to 99.00 14.50 to 44.90	35.00 to 99.00 15.87 to 44.90



DIMENSIONS							
L1-Maximum Reaction Reach	(in) (mm)	7.00 177.80	8.41 213.69	11.31 287.32	14.00 355.60	16.00 406.40	16.00 406.40
L2-Overall Length	(in) (mm)	8.90 228.06	10.70 271.78	14.27 362.59	17.96 455.93	19.25 488.95	19.25 488.95
H1-Center of Bolt to Top of Tool	(in) (mm)	3.86 98.17	4.77 121.29	6.16 156.67	7.25 184.15	10.50 266.70	10.50 266.70
H2-Back End Height	(in) (mm)	3.45 87.63	3.78 96.14	6.05 153.67	8.50 215.9	10.90 276.86	11.40 289.56
W1-Tool Width at Link	(in) (mm)	1.25 31.75	1.62 41.28	2.10 53.34	2.35 59.69	2.55 64.77	2.55 64.77
W2-Tool Width at Cylinder	(in) (mm)	1.25 31.75	1.75 44.45	2.10 53.34	2.45 62.23	2.80 71.12	3.10 78.74
R-Tool Radius around Bolt	(in) (mm)	1.03 to 1.75 26.16 to 44.48	1.31 to 2.30 33.32 to 58.47	1.72 to 2.95 43.82 to 74.98	1.95 to 3.50 49.53 to 88.9	2.50 to 4.75 63.5 to 120.65	2.75 to 4.75 70.0 to 120.65

ST SUPER-THIN TORQUE WRENCHES

18 MONTH WARRANTY



SUPERTHIN LOW PROFILE

STANDARD LOW PROFILE

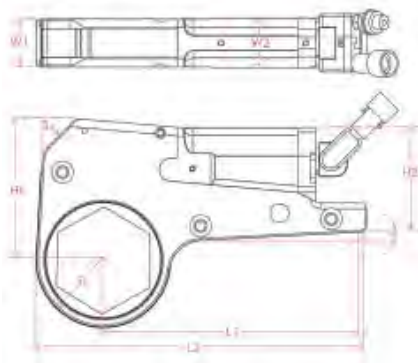
ELIMINATE HARD TO ACCESS BOLTS!



ORIGINALLY DESIGNED FOR BLOW OUT PREVENTERS & WELLHEADS



0.999 IN WIDE



MODEL NUMBER	Units	LP 4
Range of Hex Sizes A/F	(in) (mm)	7/8 to 3-1/8 22 to 80
Torque Range	(ft-lb) (n-m)	390 to 3900 560 to 5600
Cylinder Weight	(lb) (kg)	5.8 2.63
Range of Link Weight	(lb) (kg)	4.50 to 6.50 2.01 to 2.90

**EXTREME
ACCESS
TOOLS!**

THE BOX TOWER

THE WORLDS SMALLEST AND LIGHTEST HYDRAULIC WRENCH

TOTALLY ENCLOSED AIRCRAFT ALUMINUM BODY
LIGHTEST AND THINNEST AVAILABLE ON THE MARKET

AVAILABLE IN 6 OR 12 POINTS

DOUBLE SQUARE MULTIPLIES TORQUE 3:1

ALLOY STEEL BUILT IN REACTION BLOCK

PATENTED DISENGAGABLE
REACTION PAWL

PATENTED DOUBLE SWIVEL
WITH NO "PLUGGED" PORTS
OPEN FLOW DESIGN

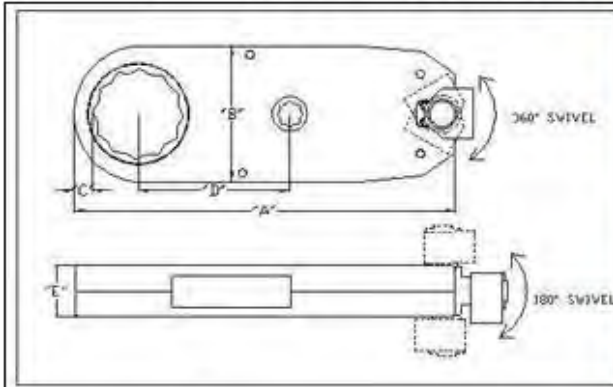
DUAL SWIVEL CONNECTS TO UNI-FLOW
CYLINDERS, NOT HOUSING

STRAIGHT PROFILE FITS EASILY ONTO WIND TOWERS,
HEAT EXCHANGERS & OTHER TIGHT AREAS

2 TOOLS IN 1

2 TOOLS IN 1

CAN BE USED AS A HYDRAULIC WRENCH OR A HAND MULTIPLIER!



MODEL NO.	OUTPUT SIZE		"A"	"B"	"C"	"D"	"E"	MAX TORQUE @ 10,000 PSI	INPUT SQ.	WEIGHT
	INCH	MM								
BXT-2-D	1-5/8"	41 MM	8.87"	3.23"	.42"	3.60"	1.20"	1588 FT.LBS. 2095 Nm.	3/8"	4 1/2 lbs.
	1-13/16"	46 MM	8.98"							
	2"	50 MM	9.08"							
	2-3/16"	55 MM	9.19"							
BXT-4-D	2-3/16"	55 MM	11.84"	4.30"	.56"	4.80"	1.60"	3970 FT.LBS. 5382 Nm.	1/2"	9 1/2 lbs.
	2-3/8"	60 MM	11.94"							
	2-9/16"	65 MM	12.05"							
	2-3/4"	70 MM	12.16"							
BXT-8-D	2-3/4"	70 MM	14.81"	5.38"	.70"	6"	2"	7980 FT.LBS. 9694 Nm.	3/4"	19 1/2 lbs.
	2-15/16"	75 MM	14.91"							
	3-1/8"	80 MM	15.02"							
	3-1/2"	90 MM	15.24"							
BXT-16-D	3-1/2"	90 MM	17.88"	6.45"	.84"	7.20"	2.40"	13,355 FT.LBS. 16,751 Nm.	1"	31 lbs.
	3-7/8"	100 MM	18.10"							
	4-1/4"	110 MM	18.31"							
	4-5/8"	120 MM	18.53"							
BXT-32-D	4-5/8"	120 MM	23.82"	8.60"	1.12"	9.60"	3.20"	31,760 FT.LBS. 39,698 Nm.	1"	70 lbs.
	5"	125 MM	24.04"							
	5-3/8"	130 MM	24.25"							
	5-3/4"	145 MM	24.47"							

WE CAN MANUFACTURE THIS TOOL TO ANY DIMENSION REQUESTED

HYDRAULIC TORQUE WRENCH POWER PACKS

ELECTRIC POWERED

WITH FAN COOLED OIL COOLER/HEAT EXCHANGER



	Performance	Oil Flow	Dimensions	Weight	Reservoir	Power
WINDMASTER	0-1100 psi 1100-3200 psi 3200-10000 psi	390 cu. in/min 110 cu. in/min 43 cu. in/min	Length: 16.2 in Width: 11.8 in Height: 17.5 in	59 lbs	2 Gal.	.75 hp
Part Number WINDMASTER	0-76 bar 76-220 bar 220-700 bar	6.4 Liter/min 1.8 Liter/min 0.7 Liter/min	Length: 41 cm Width: 30 cm Height: 44 cm	27 kg	7.57 L.	.56 kw



	Performance	Oil Flow	Dimensions	Weight	Reservoir	Power
EXPRESS MAX	0-1100 psi 1100-3200 psi 3200-10000 psi	390 cu. in/min 110 cu. in/min 43 cu. in/min	Length: 16.2 in Width: 11.8 in Height: 17.5 in	59 lbs	2 Gal.	.75 hp
Part Number EXE-MAX	0-76 bar 76-220 bar 220-700 bar	6.4 Liter/min 1.8 Liter/min 0.7 Liter/min	Length: 41 cm Width: 30 cm Height: 44 cm	27 kg	7.57 L.	.56 kw



Model Number	Maximum Oil Flow vs Pressure	Length	Width	Height	Weight
E115-FC Single Port	720 cu. in./min @ 100 psi (11.8 L/min @ 7 bar) 56 cu. in./min @ 10000 psi (.91 L/min @ 700 bar)	9.5" 241mm	17.1" 434mm	8.1" 460mm	46 lb 20.8kg
E115-4FC 4 Port	720 cu. in./min @ 100 psi (11.8 L/min @ 7 bar) 56 cu. in./min @ 10000 psi (.91 L/min @ 700 bar)	9.5" 241mm	17.1" 434mm	8.1" 460mm	46 lb 20.8kg

Power Requirements: 115V-60HZ / 28 amp • Flow: 720 cu in / 11.8 lpm per min • 1 1/8 HP motor (.9Kw)

WITHOUT FAN COOLED OIL COOLER/HEAT EXCHANGER



Model Number	Maximum Oil Flow vs Pressure	Length	Width	Height	Weight
E115 Single Port	720 cu. in./min @ 100 psi (11.8 L/min @ 7 bar) 56 cu. in./min @ 10000 psi (.91 L/min @ 700 bar)	9.5" 241mm	17.1" 434mm	8.1" 460mm	46 lb 20.8kg
E115-4 4 Port	720 cu. in./min @ 100 psi (11.8 L/min @ 7 bar) 56 cu. in./min @ 10000 psi (.91 L/min @ 700 bar)	9.5" 241mm	17.1" 434mm	8.1" 460mm	46 lb 20.8kg

Power Requirements: 115V-60HZ / 25 amp • Flow: 720 cu in / 11.8 lpm per min • 1 1/8 HP motor (.9Kw)

ULTRA LIGHT ULTRA PORTABLE POWER PACKS



	Performance	Oil Flow	Dimensions	Weight	Reservoir	Power
EXPRESS MINI	0-1100 psi 1100-3200 psi 3200-10000 psi	235 cu. in/min 66 cu. in/min 25cu. in/min	Length: 12.6 in Width: 8.7 in Height: 17.0 in	31 lbs	1 Gal.	.35 hp
Part Number EXE-MINI	0-76 bar 76-220 bar 220-700 bar	3.9 Liter/min 1.1 Liter/min 0.4 Liter/min	Length: 32 cm Width: 22 cm Height: 43 cm	14 kg	3.78 L.	.26 kw

HYDRAULIC

TORQUE WRENCH POWER PACKS

PNEUMATIC POWERED



EXPRESS Max Air	0-1100 psi 1100-3200 psi 3200-10000 psi	460 cu. in./min 153 cu. in./min 55 cu. in./min	Length: 20.5 in Width: 13.8 in Height: 20 in	66 lbs	2 Gal.	3.75 hp
Part Number EXA-MAX	0-76 bar 76-220 bar 220-700 bar	7.5 liter/min 2.5 liter/min 0.9 liter/min	Length: 52 cm Width: 35 cm Height: 51 cm	30 kg	7.57 L.	2.80 kw



EXPRESS Mini Air	0-1100 psi 1100-3200 psi 3200-10000 psi	275 cu. in./min 86 cu. in./min 32 cu. in./min	Length: 12.2 in Width: 11.5 in Height: 16.5 in	41 lbs	1 Gal.	1.50 hp
Part Number EXA-MINI	0-76 bar 76-220 bar 220-700 bar	4.5 liter/min 1.4 liter/min 0.5 liter/min	Length: 31 cm Width: 29 cm Height: 42 cm	19 kg	3.78 L.	1.12 kw

Power Requirements: 70-100psi / 50 cfm air • Flow: 670 cu in / 11.1 lpm per min. • Powerful 3 HP motor (2.24Kw)



Model Number	Maximum Oil Flow vs Pressure	Length	Width	Height	Weight
<i>Model P+ Single Port</i>	670 cu. in./min @ 100 psi (11.1 liter/min @ 7 bar) 55 cu. in./min @ 10000 psi (1 liter/min @ 700 bar)	9.5" 241mm	16.5" 419mm	19.8" 503mm	58 lb 26kg
<i>Model P+4 Four Port</i>	670 cu. in./min @ 100 psi (11.1 liter/min @ 7 bar) 55 cu. in./min @ 10000 psi (1 liter/min @ 700 bar)	9.5" 241mm	16.5" 419mm	19.8" 503mm	58 lb 26kg

Power Requirements: 70-100psi / 95 cfm air • Flow: 1340 cu. in. / 22 lpm per min



Model Number	Maximum Oil Flow vs Pressure	Length	Width	Height	Weight
<i>Model P+ TWIN Single Port</i>	1340 cu. in./min @ 100 psi (22 liter/min @ 7 bar) 110 cu. in./min @ 10000 psi (2 liter/min @ 700 bar)	19" 282mm	16.5" 840mm	19.8" 503mm	116 lb 52kg
<i>Model P+4 TWIN Four Port</i>	1340 cu. in./min @ 100 psi (22 liter/min @ 7 bar) 110 cu. in./min @ 10000 psi (2 liter/min @ 700 bar)	19" 282mm	16.5" 840mm	19.8" 503mm	116 lb 52kg

ELECTRIC POWER PACKS CONT.

Power Requirements: 220v-50hz / 26 amp • Flow: 1440 cu. in. / 23.6 lpm per min



Model Number	Maximum Oil Flow vs Pressure	Length	Width	Height	Weight
<i>E230 Twin 230V Single Port</i>	1440 cu. in./min @ 100 psi (23.6 liter/min @ 7 bar) 112 cu. in./min @ 10000 psi (2 liter/min @ 700 bar)	19" 282mm	16.5" 840mm	19.8" 503mm	116 lb 52kg
<i>E230 Twin-4 230V 4 Port</i>	1440 cu. in./min @ 100 psi (23.6 liter/min @ 7 bar) 112 cu. in./min @ 10000 psi (2 liter/min @ 700 bar)	19" 282mm	16.5" 840mm	19.8" 503mm	116 lb 52kg

AT SERIES

PNEUMATIC WRENCHES

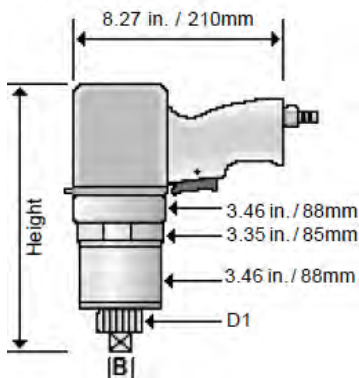


ACCURACY +/- 4%

AirTite® R Series

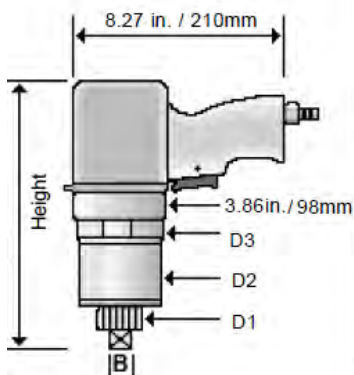
SINGLE SPEED LOWER CAPACITY TORQUE

AT160R - AT1400R



Model No.		AT160R	AT290R	AT360R	AT660R	AT800R	AT1100R	AT1400R
Torque Range*	ft-lb	55 - 165	100 - 290	120 - 360	225 - 660	295 - 795	365 - 1070	475 - 1400
	nm	75 - 225	135 - 390	165 - 485	305 - 895	365 - 1080	495 - 1450	645 - 1900
Square Drive (B)	in	1/2 & 3/4	3/4	3/4	3/4	3/4	3/4 & 1	1
D1**	in	1.61	1.61	1.61	1.61	1.61	1.61 / 2.13	2.13
	mm	41	41	41	41	41	41 / 54	54
Height	in	10.04	10.04	10.04	10.83	10.83	10.83 / 11.81	11.81
	mm	255	255	255	275	275	275 / 300	300
Free Speed**	rpm	60	34	27	19	13	9	7
Weight (without support)	lb	13.89	13.89	13.89	15.43	15.43	15.43 / 16.1	16.1
	kg	6.3	6.3	6.3	7	7	7 / 7.3	7.3

AT2000R - AT8000R



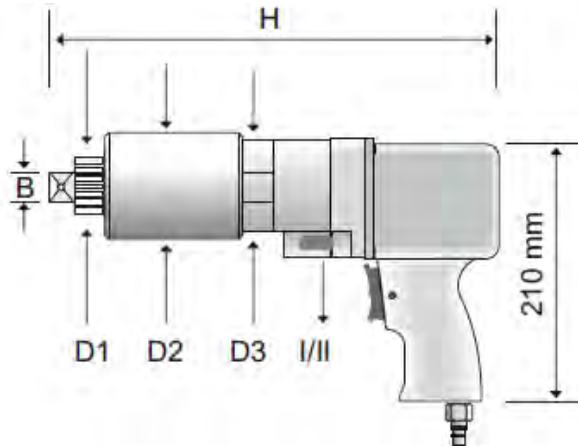
SINGLE SPEED HIGHER CAPACITY TORQUE

Model No.		AT2000R	AT2550R	AT3200R	AT4500R	AT5700R	AT7200R
Torque Range*	ft-lb	671 - 1969	870 - 2552	1099 - 3231	1534 - 4510	1925 - 5680	2430 - 7230
	nm	910 - 2670	1180 - 3460	1490 - 4380	2080 - 6115	2610 - 7700	3300 - 9800
Square Drive (B)	in	1	1	1-1/2	1-1/2	1-1/2	1-1/2
D1**	in	2.13	2.13	2.83	2.83	2.83	3.58
	mm	54	54	72	72	72	91
D2	in	3.35	3.35	3.86	4.84	5.83	6.81
	mm	85	85	98	123	148	173
D3	in	3.46	3.46	3.86	4.84	5.83	6.81
	mm	88	88	98	123	148	173
Height	in	11.81	11.81	12.6	13.78	13.78	14.57
	mm	300	300	320	350	350	370
Free Speed**	rpm	8	6.5	4	2.5	1.5	1
Weight (without support)	lb	19.84	19.84	26.46	35.27	41.89	55.12
	kg	9	9	12	16	19	25



F2 SERIES

PNEUMATIC TORQUE WRENCHES



WORLD'S MOST POWERFUL AIRTOOL

2 SPEEDS: FAST BOLTING, WIDE TORQUE BAND

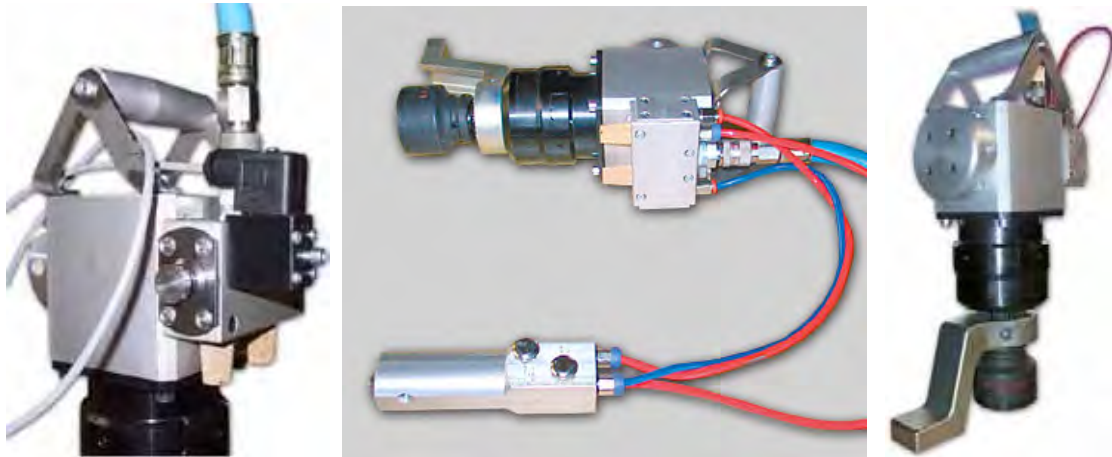
ACCURACY +/- 4%

Model No.		AT800F-2	AT1200F-2	AT2650F-2	AT3700F-2	AT5800F-2	AT7000F-2	AT8100F-2	AT12500F-2	AT25000F-2	AT35000F-2
Torque Range*	ft-lb	280-830	406-1191	904-2652	1269-3728	1973-5801	2368-6959	2762-8121	4279-12539	8482-25077	11801-35845
	nm	380-1125	550-1615	1225-3595	1720-5055	2675-7865	3210-9435	3745-11010	5800-17000	11500-34000	16000-486000
Torque Range*	ft-lb	89-262	125-372	284-834	398-1169	620-1822	745-2039	867-2548	1180-3540	2434-7154	3467-10252
	nm	120-355	170-505	385-1130	540-1585	840-2470	1010-2765	1175-3455	1600-4800	3300-9700	4700-13900
Square Drive (B)	in	3/4 & 1	1	1	1-1/2	1-1/2	1-1/2	1-1/2	2-1/2	2-1/2	2-1/2
D1**	in	1.61 / 2.13	2.13	2.13	2.83	2.83	2.83	3.58			
	mm	41 / 54	54	54	72	72	72	91	SW120	SW120	SW120
D2	in	3.35	3.35	3.35	3.86	4.84	5.83	6.81	10.83	10.83	10.83
	mm	85	85	85	98	123	148	172	275	275	275
D3	in	3.46	3.46	3.46	3.86	4.84	5.83	6.81	10.83	10.83	10.83
	mm	88	88	88	98	123	148	173	275	275	275
Height	in	11.02	12.99	14.17	14.96	16.14	16.14	16.93	22.44	22.44	22.44
	mm	280	330	360	380	410	410	430	570	570	570
Free Speed (rpm)	1st gear	12	7	5	3	2	1.5	1	0.5	0.4	0.3
	2nd gear	36	21	15	9	6	5	4	1	0.8	0.6
Weight	lb	15.43	16.53	19.84	24.25	33.07	44.09	52.91	132.27	132.27	132.27



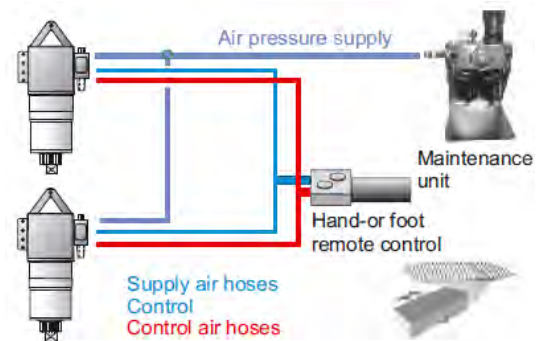
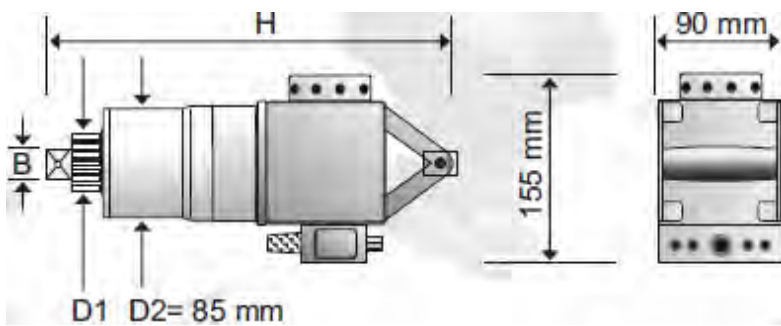
ATC SERIES

PNEUMATIC REMOTE CONTROLLED



ACCURACY +/- 4%

Series ATC	Type	ATC 160	ATC 200	ATC 280	ATC 350	ATC 660	ATC 800	ATC 1070	ATC 1400	ATC 2000	ATC 2550
Performance **	Ft Lbs	45 -162	70-205	100-285	121-355	225-660	270-795	365-1069	475-1400	671-1969	870-2550
Performance **	Nm	60-220	95-280	135-390	165-485	305-895	365-1080	495-1450	645-1900	910-2670	1180-3460
Square drive	B	1/2" / 3/4"	1/2" / 3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"
Diameter D ₁ **	mm	41	41	41	41	41	41	54	54	54	54
Height (H)	mm	296	296	296	296	318	318	320	340	372	372
Weight	kg	5,8	5,8	6,2	6,2	6,8	6,8	6,8	6,8	7,4	7,4
Weight	Lbs	12.9	12.9	13.6	13.6	14.9	14.9	14.9	14.9	16.3	16.3
Idling speed **	rpm	60	38	34	27	19	13	9	7	6	4



**OPTIONAL MULTIPLE TOOL SETUP



PHE SERIES

PLATE HEAT EXCHANGER



SG SIDE GEAR MODELS



ELECTRIC PISTOL GRIP RIGHT ANGLE



PNEUMATIC PISTOL GRIP RIGHT ANGLE



PNEUMATIC REMOTE CONTROL RIGHT ANGLE

// INLINE MODELS



ELECTRIC PISTOL GRIP INLINE



PNEUMATIC PISTOL GRIP INLINE



PNEUMATIC REMOTE CONTROL INLINE

ETC SERIES

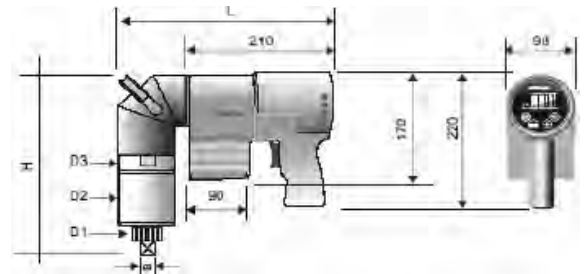
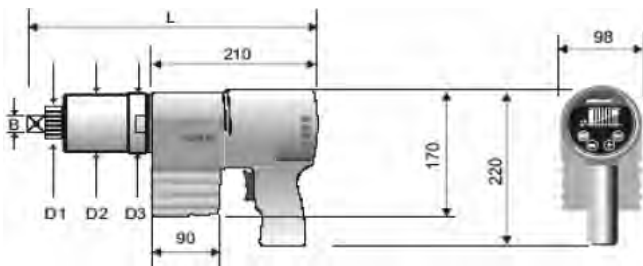
ELECTRIC TORQUE WRENCHES



STRAIGHT OR OPTIONAL RIGHT ANGLE MODELS

		ETC-330	ETC-620	ETC-920	ETC-1550	ETC-2065	ETC-2650	ETC-3690
Torque Range*	Nm	60-450	150-840	200-1250	400-2100	500-2800	660-3600	900-5000
	Ft-Lbs	45-330	110-620	150-920	296-1550	370-2065	490-2650	660-3690
Square Drive Diameter D1	B	3/4"	3/4"	3/4" 1"	1"	1"	1-1/2"	1-1/2"
	Aprox mm	41	41	41/54	54	54	72	72
Diameter D2	Aprox mm	85	85	85	85	85	98	105
Diameter D3	Aprox mm	88	88	88	88	88	98	110
Length	L mm	330	330	375	375	382	400	438
Weight	Lbs	19.4	19.4	22.0	22.0	23.3	27.5	39.2
Idlespeed	Rpm	19	12	8	7	6	4	2

UNIVERSAL ELECTRIC MOTOR ACCEPTS 60-360V ACCURACY +/- 3%



STANDARD CONTROL

19 PRE-SET SETTINGS
AUTO SHUTOFF WHEN TORQUE IS REACHED

YOU CHOOSE THE CONTROLS!

PLUS+ CONTROL

19 PRE-SET SETTINGS
AUTO SHUTOFF WHEN TORQUE IS REACHED
OPTIONAL ADDITIONAL 19 PRE-SET SETTINGS
TORQUE PLUS ANGLE OR ANGLE ONLY IN DEGREES
LCD SCREEN FOR ALL MODES



E IP-54 SERIES

SPEED



ELECTRIC TORQUE WRENCHES WATER RESISTANT RATED IP-54

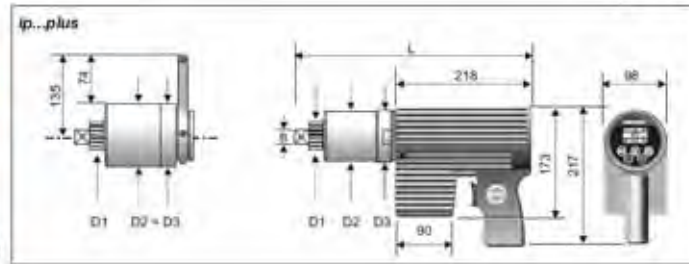
THE FASTEST TORQUE TOOL EVER...PERIOD!
WATER RESISTANT / STRAIGHT OR OPTIONAL RIGHT ANGLE MODELS

EIP		EIP-300	EIP-440	EIP-740	EIP-1100	EIP-1330	EIP-1850	EIP-2600	EIP-3100	EIP-3700	EIP-4650
EIP-P		EIP-300-P	EIP-440-P	EIP-740-P	EIP-1100-P	EIP-1330-P	EIP-1850-P	EIP-2600-P	EIP-3100-P	EIP-3700-P	EIP-4650-P
Torque Range*	Nm	70 - 400	80 - 600	150 - 1000	250 - 1500	300 - 1800	450 - 2500	600 - 3500	800 - 4200	1000 - 5000	1300 - 6300
	ft-lb	52 - 295	59 - 443	111 - 738	184 - 1106	221 - 1328	332 - 1844	443 - 2591	590 - 3098	738 - 3688	959 - 4647
Square Drive (B)	in	3/4	3/4	3/4	1	1	1	1 / 1-1/2	1-1/2	1-1/2	1-1/2
Diameter 1	in	1.61	1.61	1.61	2.13	2.13	2.13	2.83	2.83	2.83	2.83
	mm	41	41	41	54	54	54	72	72	72	72
Diameter 2	in	3.35	3.35	3.35	3.35	3.35	3.35	3.86	3.86	4.84	4.84
	mm	85	85	85	85	85	85	98	98	123	123
Diameter 3	in	3.46	3.46	3.46	3.46	3.46	3.46	3.86	3.86	4.84	4.84
	mm	88	88	88	88	88	88	98	98	123	123
Length	in	12.99	12.99	12.99	15.04	15.04	15.28	15.75 / 15.98	15.98	16.85	17.17
	mm	330	330	330	382	382	388	400 / 406	406	428	436
Weight without support*	lb	19.84	19.84	19.84	22.05	22.05	24.26	29.1	29.1	38.58	40.79
	kg	9	9	9	10	10	11	13.2	13.2	17.5	18.5
Idle Speed*	rpm	76	38	24	15	13	12	9	7	6	4

BRUSHLESS MAINTENANCE FREE ELECTRIC MOTOR ACCEPTS FROM 60-360V ACCURACY +/- 3%



Technical Data plus



STANDARD CONTROL



19 PRE-SET SETTINGS
AUTO SHUTOFF WHEN TORQUE IS REACHED

YOU CHOOSE THE CONTROLS!

PLUS+ CONTROL



19 PRE-SET SETTINGS
AUTO SHUTOFF WHEN TORQUE IS REACHED
OPTIONAL ADDITIONAL 19 PRE-SET SETTINGS
TORQUE PLUS ANGLE OR ANGLE ONLY IN DEGREES
LCD SCREEN FOR ALL MODES

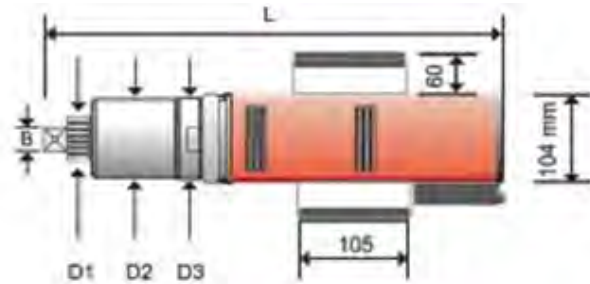
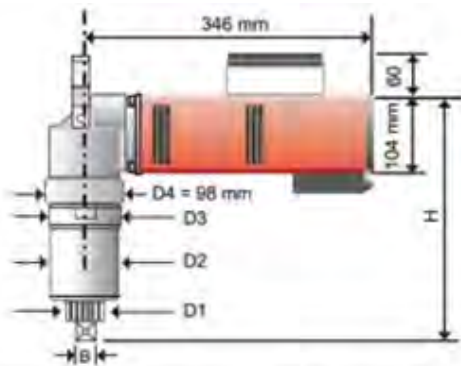


EHS SERIES

SPEED

EXTREME DUTY ELECTRIC TORQUE

THE **FASTEST** TORQUE TOOL EVER...PERIOD!



NIB MODEL NUMBER	1550-P	2000-P	2300-P	3150-P	4550-P	5750-P	7200-P	15000-P	31000-P
Torque rang approx. Nm	300-2100	435-2695	500-3100	900-4250	1100-6150	1800-7800	2050-9800	5300-20600	6240-42120
ft-lbs	221-1550	320-1980	370-2280	663-3130	811-4530	1320-5750	1500-7220	3900-15200	4600-31000
B Square Drive	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2 1/2"	2 1/2"
D1 Diameter approx. mm	54	54	72	72	72	72	91	SW120	SW120
D2 Diameter mm	85	85	98	98	123	148	173	275	275
D3 Diameter mm	88	88	88	88	123	148	173	98	130
Length mm	515	515	515	525	550	555	555	650	650
Weight kg	13	13	14	14.5	19	22	27	60	62
Idle Speed approx rpm	16	14	12	8	7	4	3	1	0.6

BRUSHLESS MAINTENANCE FREE ELECTRIC MOTOR ACCEPTS FROM 60-360V ACCURACY +/- 3%

STANDARD CONTROL

19 PRE-SET SETTINGS
AUTO SHUTOFF WHEN TORQUE IS REACHED

YOU CHOOSE THE CONTROLS!

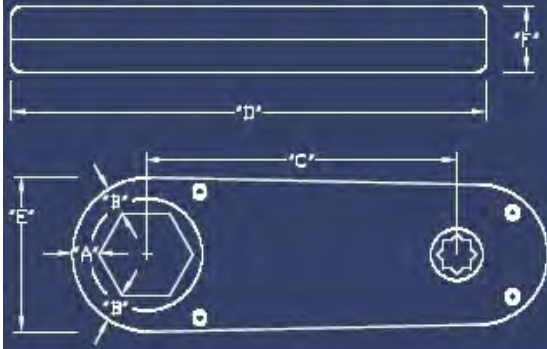
PLUS+ CONTROL

19 PRE-SET SETTINGS
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OPTIONAL ADDITIONAL 19 PRE-SET SETTINGS
TORQUE PLUS ANGLE OR ANGLE ONLY IN DEGREES
LCD SCREEN FOR ALL MODES



MISSING-LINK

HAND MULTIPLIER



AVAILABLE IN DIRECT FIT OR SQUARE DRIVE OUTPUT

1/2" DRIVE, 4:1 RATIO

PART NO.	HEX	"A"	"B"	"C"	"D"	"E"	"F"
TC-050-4-1-087-S	7/8"	.347"	.377"	5.96"	8.57"	2.11"	1.25"
TC-050-4-1-106-S	1-1/8"	.347"	.377"	5.96"	8.68"	2.32"	1.25"
TC-050-4-1-125-S	1-1/4"	.347"	.377"	5.96"	8.79"	2.54"	1.25"
TC-050-4-1-143-S	1-7/16"	.347"	.377"	5.96"	8.89"	2.76"	1.25"
TC-050-4-1-162-S	1-5/8"	.347"	.377"	5.96"	9.00"	2.97"	1.25"
TC-050-4-1-181-S	1-13/16"	.347"	.377"	5.96"	9.11"	3.19"	1.25"
TC-050-4-1-200-S	2"	.347"	.377"	5.96"	9.22"	3.41"	1.25"
TC-050-4-1-218-S	2-3/16"	.347"	.377"	5.96"	9.33"	3.62"	1.25"
TC-050-4-1-237-S	2-3/8"	.347"	.377"	5.96"	9.44"	3.84"	1.25"

3/4" DRIVE, 4:1 RATIO

PART NO.	HEX	"A"	"B"	"C"	"D"	"E"	"F"
TC-075-4-1-087-S	7/8"	.549"	.686"	8.34"	11.83"	2.11"	1.75"
TC-075-4-1-106-S	1-1/16"	.549"	.686"	8.34"	11.94"	2.32"	1.75"
TC-075-4-1-125-S	1-1/4"	.549"	.686"	8.34"	12.05"	2.54"	1.75"
TC-075-4-1-143-S	1-7/16"	.549"	.686"	8.34"	12.16"	2.76"	1.75"
TC-075-4-1-162-S	1-5/8"	.549"	.686"	8.34"	12.27"	2.97"	1.75"
TC-075-4-1-181-S	1-13/16"	.549"	.686"	8.34"	12.38"	3.19"	1.75"
TC-075-4-1-200-S	2"	.549"	.686"	8.34"	12.48"	3.41"	1.75"
TC-075-4-1-218-S	2-3/16"	.549"	.686"	8.34"	12.59"	3.62"	1.75"
TC-075-4-1-237-S	2-3/8"	.549"	.686"	8.34"	12.70"	3.84"	1.75"
TC-075-4-1-256-S	2-9/16"	.549"	.686"	8.34"	12.81"	4.06"	1.75"
TC-075-4-1-275-S	2-3/4"	.549"	.686"	8.34"	12.92"	4.27"	1.75"
TC-075-4-1-293-S	2-15/16"	.549"	.686"	8.34"	13.02"	4.49"	1.75"
TC-075-4-1-312-S	3-1/8"	.549"	.686"	8.34"	13.13"	4.70"	1.75"

3/4" DRIVE, 6:1 RATIO

PART NO.	HEX	"A"	"B"	"C"	"D"	"E"	"F"
TC-075-6-1-087-S	7/8"	.732"	.915"	13.98"	18.54"	2.47"	2"
TC-075-6-1-106-S	1-1/16"	.732"	.915"	13.98"	18.65"	2.69"	2"
TC-075-6-1-125-S	1-1/4"	.732"	.915"	13.98"	18.76"	2.91"	2"
TC-075-6-1-143-S	1-7/16"	.732"	.915"	13.98"	18.87"	3.12"	2"
TC-075-6-1-162-S	1-5/8"	.732"	.915"	13.98"	18.97"	3.34"	2"
TC-075-6-1-181-S	1-13/16"	.732"	.915"	13.98"	19.08"	3.56"	2"
TC-075-6-1-200-S	2"	.732"	.915"	13.98"	19.19"	3.77"	2"
TC-075-6-1-218-S	2-3/16"	.732"	.915"	13.98"	19.30"	3.99"	2"
TC-075-6-1-237-S	2-3/8"	.732"	.915"	13.98"	19.41"	4.20"	2"
TC-075-6-1-256-S	2-9/16"	.732"	.915"	13.98"	19.52"	4.42"	2"
TC-075-6-1-275-S	2-3/4"	.732"	.915"	13.98"	19.62"	4.64"	2"
TC-075-6-1-293-S	2-15/16"	.732"	.915"	13.98"	19.73"	4.85"	2"
TC-075-6-1-312-S	3-1/8"	.732"	.915"	13.98"	19.84"	5.07"	2"



Also Available in Continuous Rotation for use with Any Gear Driven Air/Electric Torque Wrench



WE CAN MANUFACTURE THIS TOOL TO ANY DIMENSION REQUESTED

BOLT TENSIONERS

ALL TENSIONERS WORK FROM 10,000 PSI (700BAR) : NO SPECIAL PUMP IS NEEDED!

T-CON™

T-Con Hydraulic Bolt Tensioner for standard API flanges.



Operates at only 10000 psi – single line action permits use with any 10K pump

Built in safety cap eliminates strain and potential injury

Automatic spring return built in

Available Sizes: 1" thru 6" 19MM thru 150MM

Unique & patented cylinder is rodless which requires only one seal and adds more effective square inches to the piston area

Puller is integrated to eliminate strain

Choice of pin type or lever driven nut tightening mechanism

NORTHEAST INDUSTRIAL BOLTING PRESENTS T-CON™

T-Con Hydraulic ThruBolt



Available for base bolt, blade bolt, tower assembly, nacelle and all wind turbine applications

Built in safety cap

Auto spring return

3/8" stroke

Operates at only 10,000 psi hydraulic pressure

Alloy steel cylinder "milled" to fit in restricted areas

Bridge accommodates either "Missing Link" or "probe" type pin socket

Optional Missing Link uses standard nut runner or ratchet



ZIP-SLIDE TENSIONER

FASTEST TENSIONER ON EARTH!

NO RETAINING NUT NEEDED!

IMAGINE A TENSIONER WHERE YOU CAN SIMPLY SLIDE THE TENSIONER OVER THE THREAD?...THE FUTURE IS HERE!

THE ZIP-SLIDE - AT THE PUSH OF A BUTTON WILL OPEN THE INSIDE MECHANISM, MAKING IT READY TO ACCEPT THREADS. SIMPLY DROP THE TENSIONER OVER THE NUT AND RELEASE THE BUTTON AND THE TENSIONER WILL AGAIN GRIP. ITS ABLE TO INSTALL OVER A THREAD IN LESS THAN 2 SECONDS!



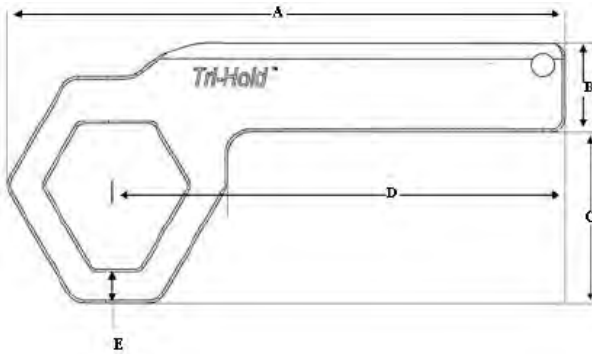
PERFECT FOR WIND TOWER FOUNDATION BOLTS – GET YOUR JOB DONE IN RECORD TIME!

Model Number	Bolt Size	Grade	KIPS
F61-10-32MM-10K-86K	#10	GR 75	86
DZF61-10-32MM-10K-86K	#10	GR 75	86
F61-11-35MM-10K-98K	#11	GR 75	98
DZF61-11-35MM-10K-98K	#11	GR75	98
F71-11-36MM-10K-134K	#11	GR150	134
DZF71-11-36MM-10K-134K	#11	GR150	134



TRI SERIES

HOLDING WRENCH - BACKUP WRENCH



- Hands free operations for safety
- Intrinsically safe
- One tool fits multiple size hex nuts
- Works on fractional and metric size nuts
- Fully adjustable
- Durable

Part #	Size Range in(mm)	A in(mm)	B in(mm)	C in(mm)	D in(mm)	E in(mm)
TTH-1	1 - 1.5/8 (26 - 41)	7.40 (187.99)	1.18 (30)	2.34 (59.52)	6.03 (153.2)	0.39 (10)
TTH-2	1.3/8 - 2.1/16 (35 - 55)	9.19 (233.57)	1.68 (42.67)	2.99 (76.17)	7.52 (190.93)	0.39 (10)
TTH-3	1.3/4 - 2.11/16 (44 - 69)	12.23 (310.74)	1.97 (49.9)	3.78 (96.1)	9.85 (250.09)	0.75 (19.1)
TTH-4	2.1/16 - 3.3/8 (54 - 86)	15.12 (384.11)	2.46 (62.5)	4.60 (116.94)	12.24 (310.90)	0.81 (20.6)
TTH-5	2.11/16 - 4.3/16 (68 - 107)	18.26 (463.69)	3.06 (77.80)	5.71 (145.10)	14.73 (374.24)	1.00 (25.4)

IT'S ADJUSTABLE! ONE WRENCH FITS MANY DIFFERENT NUT SIZES!



NUT SPECIFIC HOLDING WRENCHES SQUEEZE IN TO TIGHT SPOTS

UNI-BACK™

The essential tool for holding thru bolt nuts in place.



POWER SPREADER FLANGE SPREADER

PATENTED DESIGN FITS ALL FLANGE SIZES



**OPENS A 3" WIDE GAP
IN A SINGLE PASS**



**AUTO-SPREADER
MADE IN THE USA**

Inserts Into Narrow Gaps



*Only 3/32" gap is needed for
inserting jaws*



HS10K Hydraulic Model MS10-K Manual Model
YOU CHOOSE HYDRAULIC OR MANUAL



MULTI-STEP SAFETY BLOCK

Choose 1" 2" or 3" desired width to hold the load

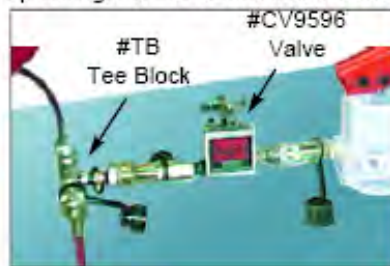


Specification	Imperial		Metric		Rated Force	10,000 lbs	44.5 kn
	HS10K	MS10K	HS10K	MS10K			
Weight	12 lbs	13.5 lbs	5.4 kg	6.1 kg			
Length	14"	13.25"	355 mm	336 mm			

OPTIONAL HYDRAULIC POWERED MODEL

Hand Pump Model #100H2 is recommended to provide hydraulic power to a pair of HS10K Auto-Spreaders.

A 100H2 Pump with #TB Tee Block, two hoses and #CV9596 Load Lowering Valve are necessary for operating two HS10K's simultaneously.



AUTO-SPLITTER™

NUT SPLITTER

**EASILY REMOVES HEAVILY CORRODED SEIZED NUTS
QUICKLY . QUIETLY . SAFELY**

**THE CLEAN-CUT SOLUTION TO REMOVING FROZEN NUTS
Cuts the Nut Without Damaging the Stud**



Included with each AUTO-SPLITTER order, and all packed in a sturdy, protective metal tool box are:

- Auto-Splitter Housing
- Resharpenable Cutting Chisel
- Chisel Holder
- Spacers for Precise Calibration (except AS100)
- Hydraulic Cylinder
- Removable Handles (AS204 & larger)
- Tools & Hydraulic Fittings

When you order Power Splitter you'll get a Power Splitter housing, resharpenable cutting chisel, chisel holder, spacers for precise calibration.



**CUT QUICKLY
THROUGH BOLTING
OBSTACLES WITH**

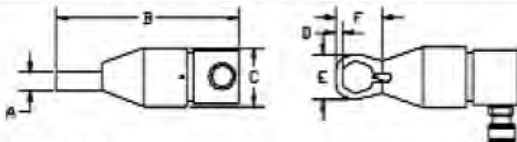
**POWER
SPLITTER**



STANDARD MODELS

Model	Stud Diameter in(mm)	Nut ATF in(mm)	A in(mm)	B in(mm)	C in(mm)	D in(mm)	E in(mm)	F in(mm)	Weight lb(kg)
AS105	7/16" - 7/8" (11 - 22)	5/8" - 1 7/16" (16 - 38)	1.5" (38.1)	1.1" (27.94)	3.969" (101.6)	.421" (9.5)	2.592" (65.75)	3.609" (91.43)	20 (9)
AS200	7/8" - 1 1/4" (22 - 32)	1 7/16" - 2" (38 - 51)	1.525" (38.1)	1.175" (29.64)	4" (101.6)	.625" (12.7)	3.374" (85.7)	4.281" (108.7)	21 (9.5)
AS204	1 1/4" - 1 1/2" (32 - 38)	1 13/16" - 2 3/8" (48 - 60)	2" (57.1)	1.8" (46.4)	8" (152.4)	.595" (14.3)	4" (101.6)	4.875" (123.8)	81 (27.7)
AS210	1 3/8" - 1 3/4" (35 - 45)	2 1/4" - 2 3/4" (57 - 70)	2.25" (57.1)	1.8" (46.4)	8" (152.4)	.672" (17.5)	4.5" (114.3)	5.825" (142.88)	82 (28.2)
AS308	1 3/4" - 2 1/4" (45 - 57)	2 3/4" - 3 1/2" (70 - 89)	3" (77.8)	1.775" (45.08)	7.125" (184.2)	.875" (19)	5.75" (148)	6.375" (161.92)	95 (43.2)
AS314	2" - 2 1/2" (51 - 64)	3 1/8" - 3 7/8" (79 - 98)	3.125" (79.4)	1.8" (46.4)	7.125" (184.2)	.875" (22.2)	6.25" (158.75)	8.064" (154)	100 (45.4)
AS404	2 1/2" - 2 3/4" (64 - 70)	3 3/4" - 4 1/4" (95 - 108)	3.75" (95.3)	2.275" (57.78)	9.875" (250.8)	1.125" (28.6)	7.5" (190.5)	7.21" (183.13)	205 (93.2)
AS500	3" - 3 1/4" (78 - 83)	4 1/2" - 5" (114 - 127)	4.125" (104.8)	2.3" (58.42)	9.875" (250.8)	1.125" (28.6)	9.675" (238.13)	7.235" (183.7)	210 (95.4)
AS506	3 1/4" - 3 1/2" (83 - 89)	4 7/8" - 5 3/8" (124 - 138)	4.125" (104.8)	2.3" (58.42)	9.875" (250.8)	1.125" (28.6)	9.375" (238.13)	7.539" (191.4)	215 (97.7)
AS608	3 3/4" - 4 1/4" (95 - 108)	5 3/4" - 6 1/2" (148 - 165)	5" (127)	2.4" (61.0)	12.5" (317.5)	1.406" (28.6)	11.72" (297.8)	9.424" (239.37)	387 (175.5)

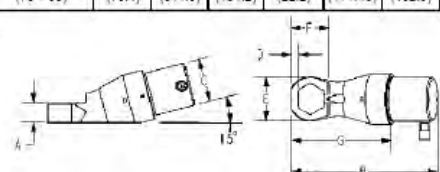
STANDARD MODEL DIMENSIONS



ANGLE HEAD MODELS

Model	Stud Diameter in (mm)	Nut ATF in(mm)	A in(mm)	B in(mm)	C in(mm)	D in(mm)	E in(mm)	F in(mm)	G in(mm)	Weight Lbs (Kg)
AS100	7/16" - 5/8" (11 - 18)	1/2" - 1" (13 - 24)	.887" (17.5)	7.45" (189.2)	2.75" (69.85)	.25" (6)	2.592" (65.84)	3.609" (91.67)	5.132" (130.32)	7 (3.2)
AS105AH	7/16" - 7/8" (11 - 22)	5/8" - 1 7/16" (16 - 38)	1.5" (38.1)	10.87" (276.1)	4" (101.6)	.375" (9.5)	2.75" (69.85)	3.415" (86.74)	7.438" (188.9)	20 (9)
AS200AH	7/8" - 1 1/4" (22 - 32)	1 7/16" - 2" (38 - 51)	1.5" (38.1)	11.44" (290.5)	4" (101.6)	5" (127)	3.824" (92)	4" (101.6)	8" (203.2)	21 (9.5)
AS204AH	1 1/4" - 1 1/2" (32 - 38)	1 13/16" - 2 3/8" (48 - 60)	2.25" (57.1)	16.13" (409.7)	6" (152.4)	.562" (14.3)	4.25" (107.95)	5.825" (147.95)	11.49" (291.65)	81 (27.7)
AS210AH	1 3/8" - 1 3/4" (35 - 45)	2 1/4" - 2 3/4" (57 - 70)	2.25" (57.1)	16.51" (419.35)	6" (152.4)	.687" (17.5)	5" (127)	6.975" (151.78)	11.875" (301.63)	82 (28.2)
AS308AH	1 3/4" - 2 1/4" (45 - 57)	2 3/4" - 3 1/2" (70 - 89)	3.63" (77.8)	19.84" (498.8)	7.25" (184.2)	.75" (19)	6.25" (158.75)	6.232" (158.3)	13.25" (336.65)	95 (43.2)
AS314AH	2" - 2 1/2" (51 - 64)	3 1/8" - 3 7/8" (79 - 98)	3.125" (79.4)	20.14" (511.5)	7.25" (184.2)	.875" (22.2)	6.75" (171.45)	7.58" (192.5)	13.75" (349.25)	100 (45.4)

ANGLE HEAD MODEL DIMENSIONS



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THE ELIMINATOR

HYDRAULIC CHAIN POWERED WRENCH

**THE ELIMINATOR®
ELIMINATES
WORKSITE INJURY**



A Very safe, hydraulic or electric powered, portable make-up/ break-out chain pipe wrench system. Quick and easy hook up to handle your toughest connections with ease, control and most importantly, SAFETY.

Eliminate work site injuries with "THE ELIMINATOR"

GENERAL SPECIFICATIONS :

The ultimate in safety and control to make-up or break-out your toughest connections

Maximum torque adjustment is hydraulically controlled

Fast and easy hook up (for easiest operation use back hoe or lifting machine)

Loosen or tighten pipe of the same or different diameters

Pump options include :

hydraulic hand pump

12 V DC electric pump

AC electric pump

auxiliary hydraulic control panel

20 foot hydraulic hoses

NOTE : This application requires special modifications and should not be attempted with standard chain wrenches

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MODEL	TORQUE	STANDARD OD RANGE	MAX OD	WEIGHT w/ DC PUMP IN		GRIPPING WIDTH	TONG WEIGHT	CHAIN WEIGHT	HORIZONTAL PIPE	VERTICAL PIPE
				WOOD SHIPPING BOX						
2600	2600	1-5"	6 INCH	210	4 INCH	12 LBS	7.5 LBS	STANDARD	N/A	
7500	7500	2 1/4 - 4 7/8	5 INCH	275	4.44 INCH	31 LBS	12 LBS	STANDARD	OPTIONAL	
15000	15000	3 1/4 to 5 1/4	8 1.4 INCH	350	5.00 INCH	45 LBS	13.5 LBS	STANDARD	OPTIONAL	
50000	50000	4 - 8 1/4	14 INCHES	700	7.25 INCH	129 LBS	42 LBS	STANDARD	OPTIONAL	
90000	90000	4 to 12	24 INCHES	1300	9 INCH	317 LBS	100 LBS	STANDARD	N/A	



FLANGE

ALIGNMENT

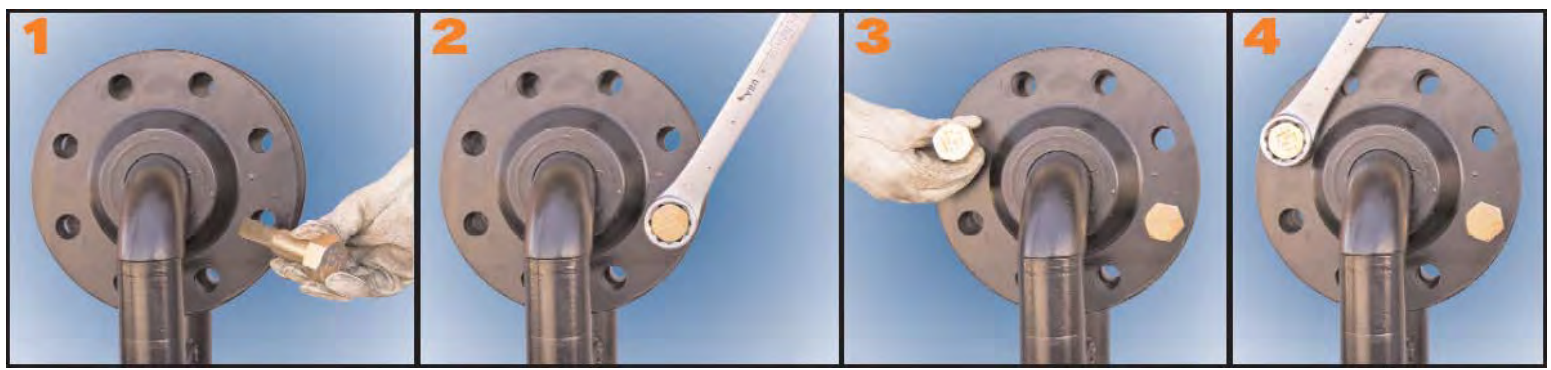


Simply find a bolt hole that is aligned enough for the tapered shaft to fit through and turn.



FLANGE ALIGNMENT PINS : SOLD INDIVIDUALLY OR IN SETS

SIZE'S RANGE FROM 3 3/4" LONG FOR 3/4 HOLE DIAMETER, TO 14" LONG FOR 2 5/8 HOLE DIAMETER





RECOMMENDED TORQUE FOR B-7 BOLTS (A-193) BASED ON 50% YIELD

BOLT DIAM	NUT SIZE	MOLY LUBE	NICKEL LUBE (.110)	COPPER LUBE	OIL	DRY (.400)
3/4"	1-1/4"	104	171	157	224	559
7/8"	1-7/16"	165	272	250	358	893
1"	1-5/8"	245	405	373	533	1332
1-1/8"	1-13/16"	351	585	538	772	1944
1-1/4"	2"	483	811	746	1075	2720
1-3/8"	2-3/16"	644	1090	1000	1447	3678
1-1/2"	2-3/8"	837	1425	1307	1896	4637
1-5/8"	2-9/16"	1071	1834	1682	2445	6260
1-3/4"	2-3/4"	1338	2301	2109	3072	7888
1-7/8"	2-15/16"	1646	2841	2602	3798	9775
2"	3-1/8"	1997	3460	3167	4630	11942
2-1/4"	3-1/2"	2843	4953	4531	6641	17191
2-1/2"	3-7/8"	3898	6823	6238	9162	23768
2-3/4"	4-1/4"	4691	8244	7533	11085	28846
3"	4-5/8"	6987	10732	9803	14447	37670
3-1/4"	5"	7735	13676	12488	18428	48129
3-1/2"	5-3/8"	9656	17113	15622	23079	60365
3-3/4"	5-3/4"	11871	21084	19241	28453	74516
4"	6-1/8"	14401	24295	23379	32826	86146
4-1/4"	6-1/2"	13631	25624	22162	34603	90720
4-1/2"	6-7/8"	16174	28871	26332	39029	102513

DON'T FORGET THE LUBE!



ANTI-GALLING ANTI-SEIZE



MOLY BASED 70% SOLIDS LOW FRICTION FACTOR



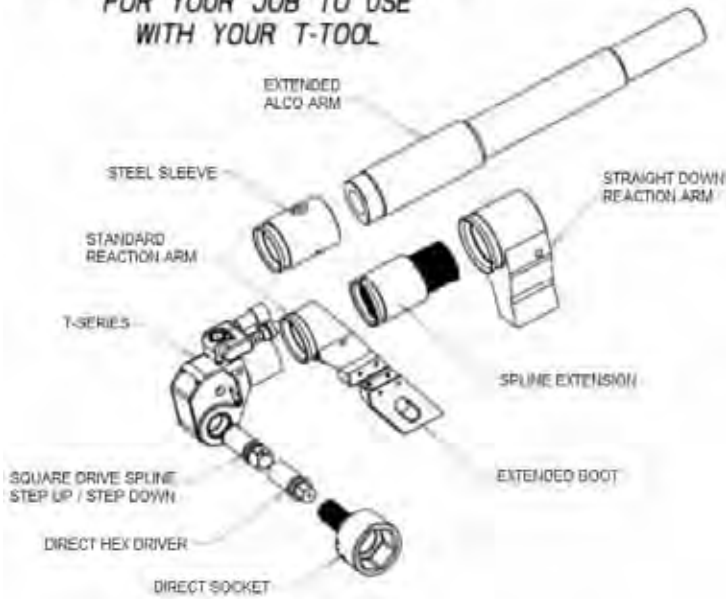
HI-TEMP MELTS AT 2500F

NOTES : THESE ARE GUIDELINES ONLY. REFER TO MANUFACTURES SPECS OR ENGINEERING DEPT.

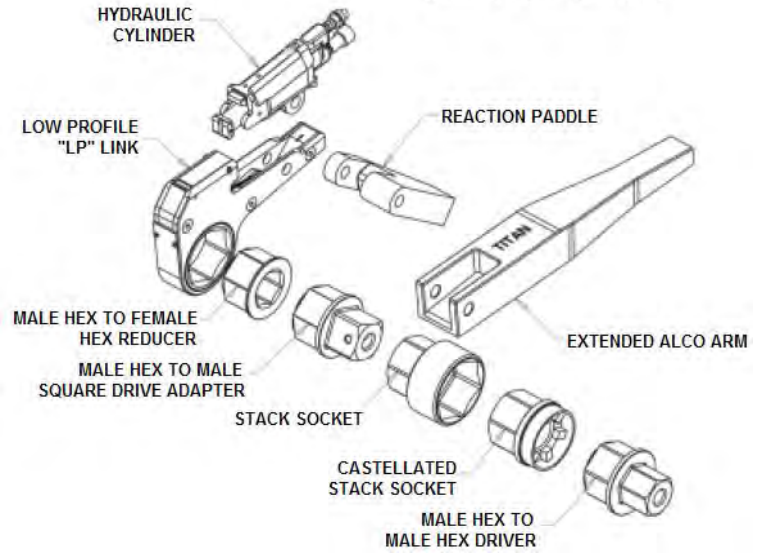
ACCESSORIES

HYDRAULIC TOOLS

CHOOSE THE PERFECT ACCESSORY
FOR YOUR JOB TO USE
WITH YOUR T-TOOL



CHOOSE THE PERFECT ACCESSORY
FOR YOUR JOB TO USE
WITH YOUR LP-TOOL



700 bar (10,000 psi) pressure gauges
for hydraulic wrench usage.



Model 080055:
Precision Liquid Filled
Gauge
Model 090228-14:
1/4% Accuracy
w/Certificate
Model 090058:
1/2% Accuracy
w/Certificate

FULL LINE OF SOCKETS, ADAPTERS, 6POINT, 12POINT, CASTLE, STACKING SOCKETS & CUSTOM SOCKETS/ADAPTERS

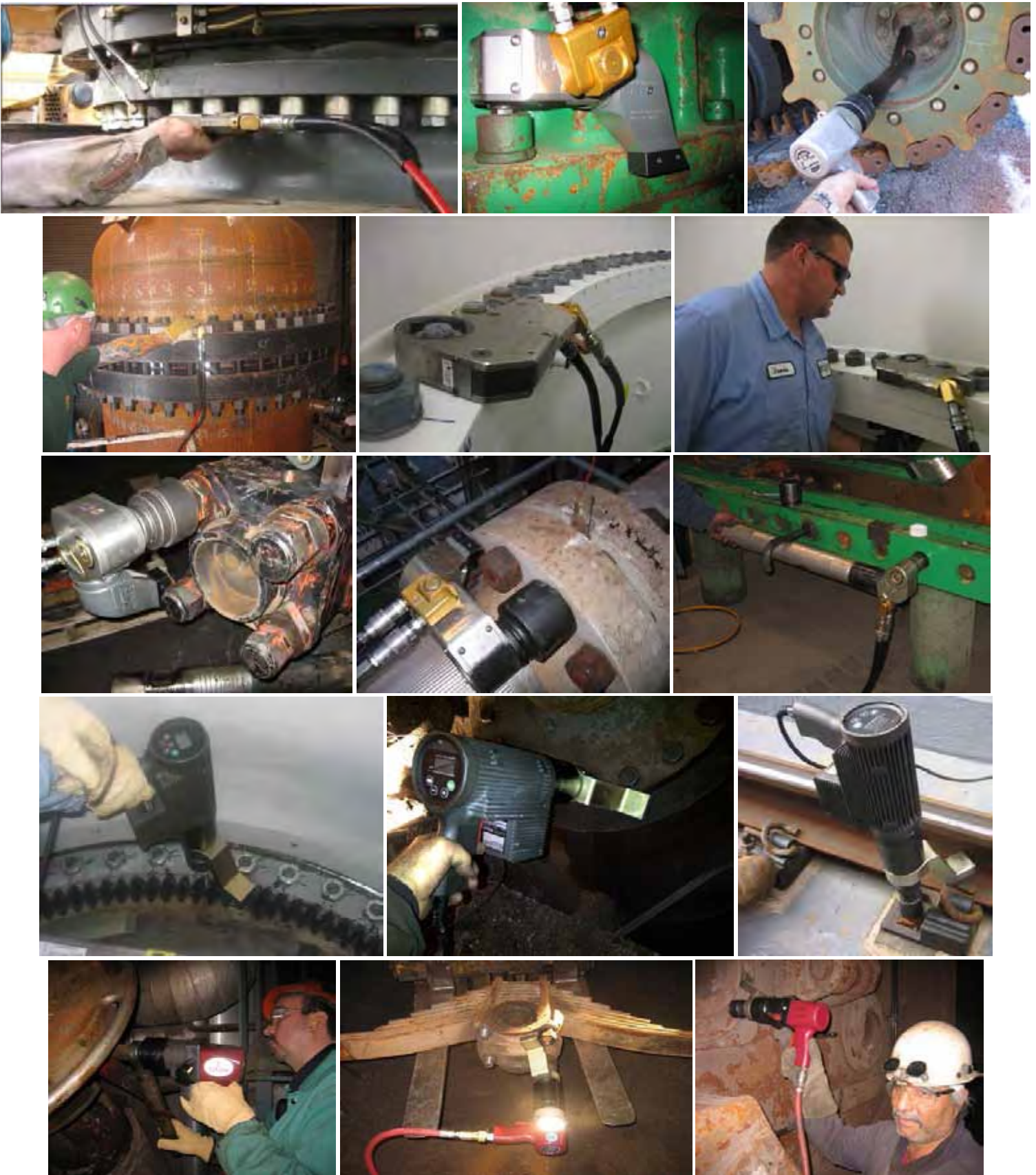
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