

TORQUE TOOL EXPERTS



BOLTING PROBLEM SOLVERS SINCE 2004

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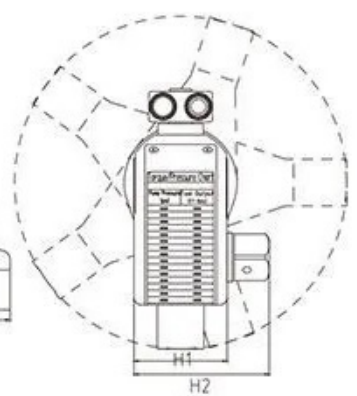
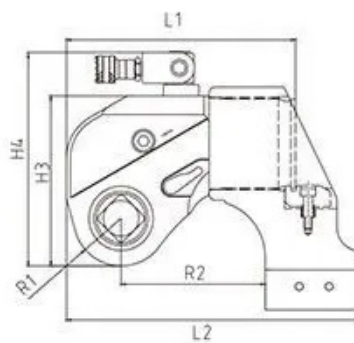
T SERIES

SQUARE DRIVE HYDRAULIC

GENERATION 3



Type	Torque (ft.lbs)		Square Drive (lbs)	Dimension (inch)								
	Min	Max		L1	L2	H1	H2	H3	H4	R1	R2	
07	81	~ 814	3/4"	3	4.37	5.47	1.65	2.60	2.99	4.25	0.83	2.68
1	135	~ 1,354	3/4"	6	5.71	6.85	1.97	2.83	3.78	5.16	1.02	3.35
3	332	~ 3,325	1"	11	7.01	9.02	2.68	3.74	5.00	6.97	1.34	4.49
5	554	~ 5,548	1-1/2"	18	8.31	10.67	3.15	4.84	5.87	7.83	1.54	5.39
8	794	~ 7,945	1-1/2"	24	8.74	11.54	3.54	5.28	6.57	8.54	1.85	6.02
10	1,143	~ 11,435	1-1/2"	33	9.69	12.52	3.94	5.59	7.17	9.13	2.01	6.06
20	1,965	~ 19,651	2-1/2"	62	12.13	15.12	4.72	7.20	8.66	10.63	2.32	7.32
25	2,559	~ 25,592	2-1/2"	77	12.72	15.79	5.39	7.87	9.72	11.69	2.60	7.83
35	3,586	~ 35,867	2-1/2"	104	14.69	18.33	6.02	8.50	11.10	13.07	3.03	9.49
50	5,306	~ 53,064	2-1/2"	192	15.75	20.31	6.30	8.78	11.46	13.43	3.19	10.20



LP SERIES TORQUE WRENCHES

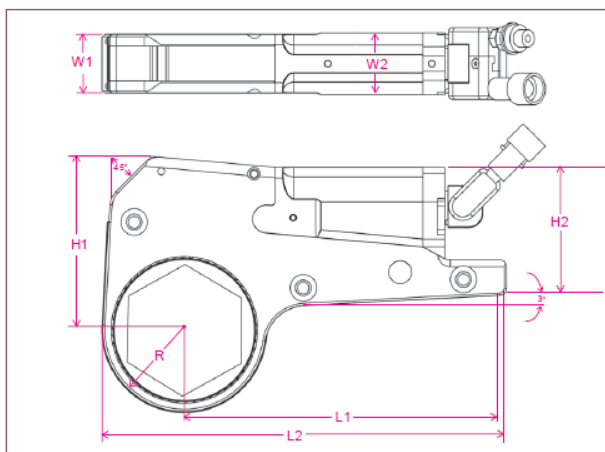
18 MONTH WARRANTY



THE CADDILLAC OF LOW PROFILE HYDRAULIC TORQUE WRENCHES!!

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

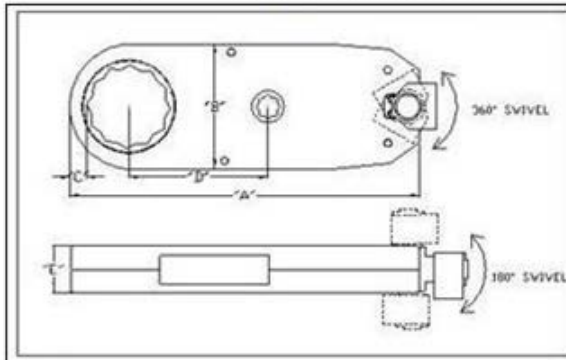
MODEL NUMBER	Units	LP 2	LP 4	LP 8	LP 16	LP 32	LP 48
Range of Hex Sizes A/F	(in) (mm)	3/4 to 2-3/8 19 to 60	7/8 to 3-1/8 22 to 80	1-1/4 to 4-1/2 32 to 115	1-5/8 to 4 5/8 41 to 120	2-3/16 to 6-1/8 56 to 155	3-1/8 to 6-1/8 80 to 155
Torque Range	(ft-lb) (n-m)	268 to 1826 363 to 2476	568 to 3788 770 to 5137	1075 to 8024 1457 to 10881	2400 to 16000 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)	8.90 226.06	10.70 271.78	14.27 362.59	17.95 455.93	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

THE BOXTOWER

THE WORLDS SMALLEST AND LIGHTEST HYDRAULIC WRENCH



WE CAN MANUFACTURE THIS TOOL TO ANY DIMENSION REQUESTED

MODEL NO.	OUTPUT SIZE		"A"	"B"	"C"	"D"	"E"	MAX TORQUE @ 10,000 PSI	INPUT SQ.	WEIGHT
BXT - 2 - S 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 - S 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 3/4 lbs.
	2-3/8"	60 MM	11.94"							
	2-9/16"	65 MM	12.05"							
	2-3/4"	70 MM	12.16"							
BXT - 8 - S 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 - S 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 - S 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"							



DON'T TRY THIS WITH A COMPETITORS TOOL! / FITS INTO SUPER NARROW CHURCH WINDOW APPLICATIONS

HYDRAULIC TORQUE WRENCH POWER PACKS

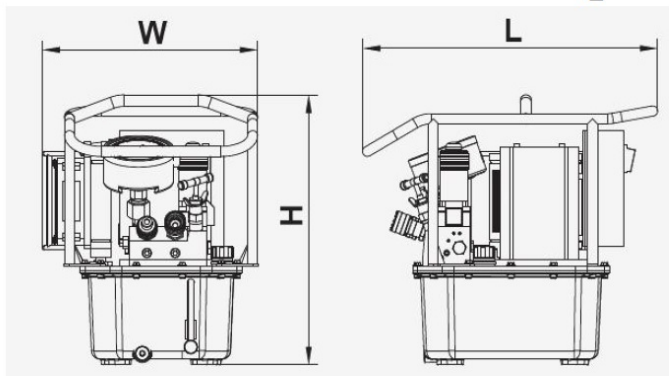


ELECTRIC



PNEUMATIC

FLANGEMASTER 2.0

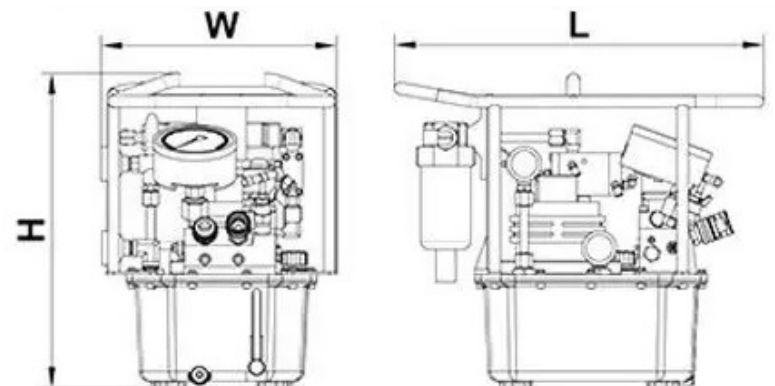


FLANGEMASTER 2.0

ELECTRIC

Drive	Electric
working pressure(psi)	10,000
Tank capacity(Gallon)	1.5 / 2.5
Flow(low-mid-high)(in ³ /min)	427.2 – 97.6 – 48.8
Voltage	100 ~ 250V
Power(hp)	2
Weight(Lbs)	49
Size(L*W*H)(inch)	16.42 * 11.97 * 14.65

Working pressure	10000 Psi	10000 Psi
Drive	Air	Air
Air Pressure	4~8bar	4~8bar
Power	3.6HP	3.6HP
Tank capacity	5.5L	5.5L
Flow rate	10- 2.2- 1.1 L/min	10- 2.2- 1.1 L/min
Oil cooler	Yes	Yes
Weight (lbs)	39	44
Oil outputs	4 x 1/4" NPT	8 x 1/4" NPT
LxWxH (inch)	17.40 X 11.10 X 14.84	18.11 X 11.10 X 14.84



PNEUMATIC

AT SERIES

PNEUMATIC WRENCHES



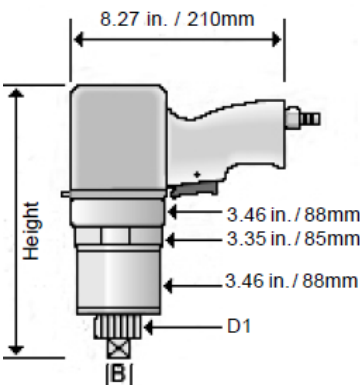
GEAR DRIVEN : PURE POWER!

CERTIFIED ACCURACY +/- 4%

AirTite® R Series

SINGLE SPEED LOWER CAPACITY TORQUE

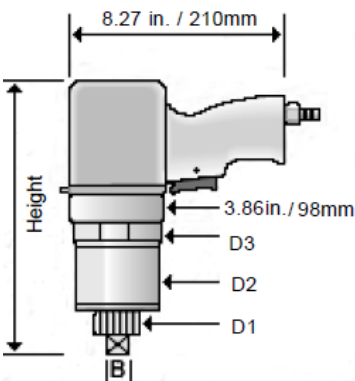
AT160R - AT1400R



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

SINGLE SPEED HIGHER CAPACITY TORQUE

AT2000R - AT8000R

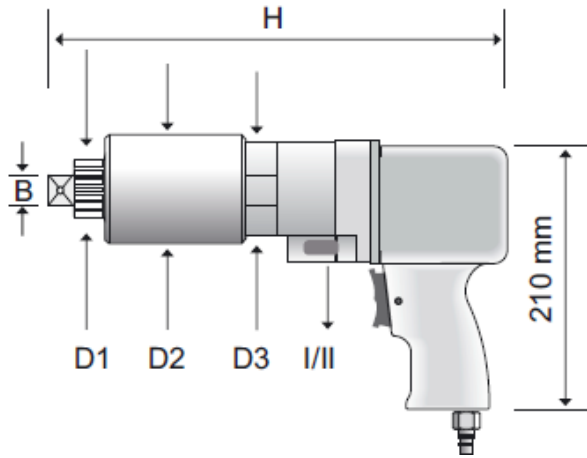


Model No.		AT2000R	AT2550R	AT3200R	AT4500R	AT5700R	AT7200R
Torque Range*	ft-lb	671 - 1969	870 - 2552	1099 - 3231	1534 - 4510	1925 - 5680	2430 - 7230
	nm	910 - 2670	1180 - 3460	1490 - 4380	2080 - 6115	2610 - 7700	3300 - 9800
Square Drive (B)	in	1	1	1-1/2	1-1/2	1-1/2	1-1/2
D1**	in	2.13	2.13	2.83	2.83	2.83	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
1st Gear	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
2nd Gear	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



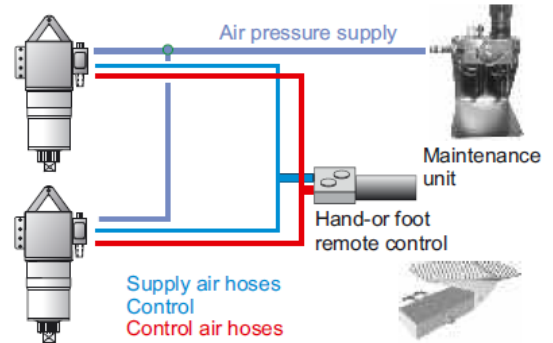
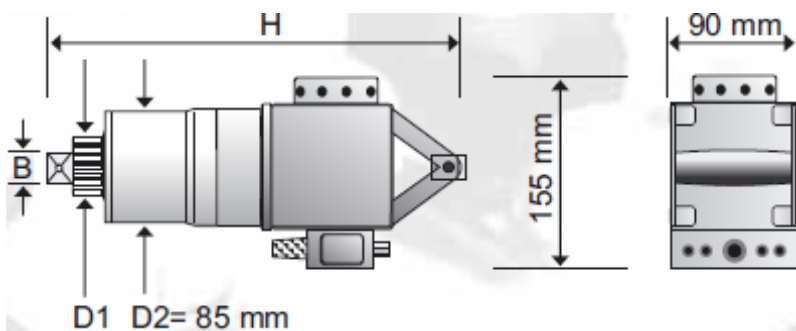
ATC SERIES

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 **	rm ⁻¹	60	38	34	27	19	13	9	7	6	4



**OPTIONAL MULTIPLE TOOL SETUP



E IP-54 SERIES

ELECTRIC TORQUE WRENCHES

WATER RESISTANT RATED IP-54

SPEED



THE FASTEST TORQUE TOOL EVER...PERIOD!

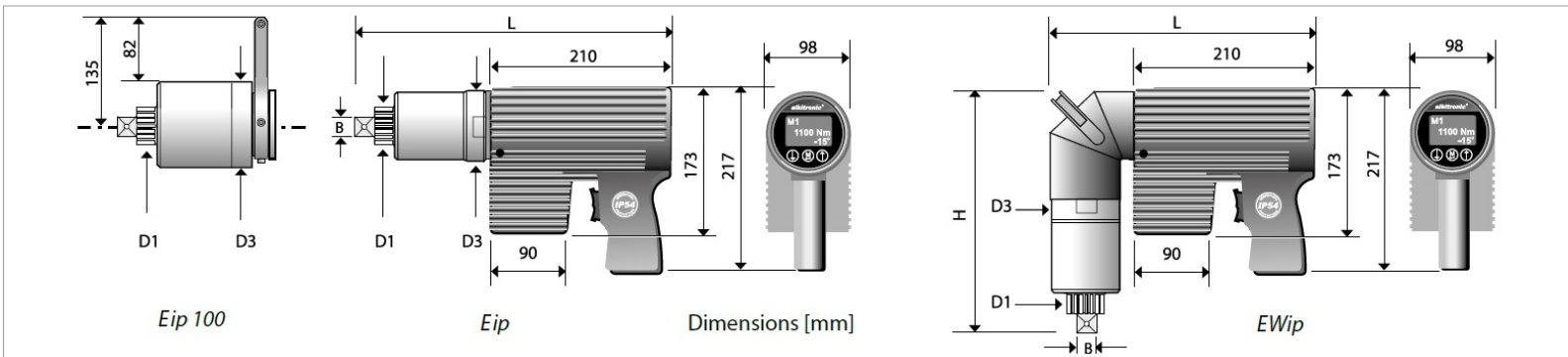
IP-WATER & DUST RESISTANT ALL WEATHER RATED / STRAIGHT MODEL

Models Eip

Type		EIP-300	EIP-500	EIP-650	EIP-950	EIP-1200	EIP-1350	EIP-1700	EIP-2100	EIP-2250	EIP-3200	EIP-3700	EIP-4800
Torque range (approx.) *	Nm	75-420	80-620	100-940	150-1300	150-1500	190-1850	250-2350	290-2900	350-3500	440-4300	500-5000	650-6500
Torque range (approx.) *	lbf.ft	55-305	60-540	75-675	110-960	110-1190	140-1340	185-1735	215-2135	260-2540	325-3205	370-3730	480-4800
Square drive	B	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1 1/16"	1 1/2"	1 1/2"	1 1/2"
Diameter (approx.)	D ₁ mm	41	41	41	41	54	54	54	54	72	72	72	72
Diameter (approx.)	D ₃ mm	88	88	88	88	88	88	88	88	98	98	109	109
Length (approx.)	L mm	330	330	330	352	382	382	388	388	406	406	405	430
Weight without DMA (approx.)	kg	9	9	9	9	10	10	11	11	13	13	14.5	15.5
Idle speed	rpm	70	40	30	22	15	14	11	8	7	5	4	3

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

Technical Data



REAL TIME TORQUE READOUT = WATCH THE TORQUE RISE ON THE DISPLAY IN REAL TIME!



DATA COLLECTION

NIBTORQUE SMART SERVICE
Enabling wireless documentation and information

**TIME STAMP
BOLT NUMBER
TARGET TORQUE
ACTUAL TORQUE**

UNLIMITED TORQUE SETTINGS / OPTIONAL DATA COLLECTION VIA BLUETOOTH

***P : OPTIONAL PLUS MODELS HAVE TORQUE PLUS ANGLE CAPABILITYS – ALL MODELS HAVE LCD SCREEN READOUT**

EW IP-54 SERIES ELECTRIC TORQUE WRENCHES

WATER RESISTANT RATED IP-54

SPEED



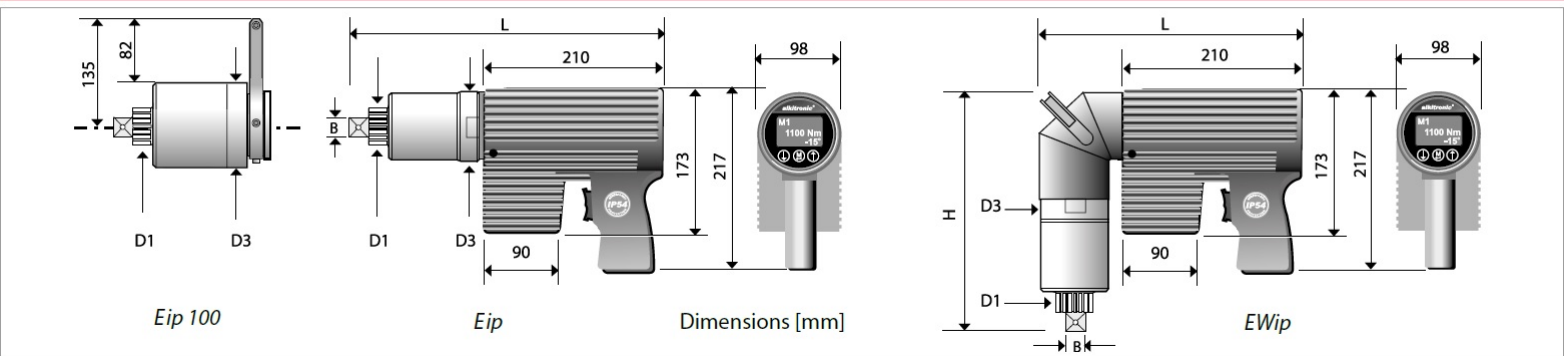
IP-WATER & DUST RESISTANT ALL WEATHER RATED / RIGHT ANGLE MODEL

Models EWip

Type		EWIP-300	EWIP-500	EWIP-650	EWIP-950	EWIP-1200	EWIP-1350	EWIP-1700	EWIP-2100	EWIP-2250	EWIP-3200	EWIP-3700	EWIP-4800
Torque range (approx.)*	Nm	75-420	80-620	100-940	150-1300	150-1500	190-1850	250-2350	290-2900	350-3500	440-4300	500-5000	650-6500
Torque range (approx.)*	lbf.ft	55-305	60-540	75-675	110-960	110-1190	140-1340	185-1735	215-2135	260-2540	325-3205	370-3730	480-4800
Square drive	B	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Diameter (approx.)	D ₁ mm	41	41	41	41	54	54	54	54	72	72	72	72
Diameter (approx.)	D ₃ mm	88	88	88	88	88	88	88	88	98	98	109	109
Length (approx.)	L mm	310	310	310	310	310	310	310	310	318	318	326	315
Height (approx.)	H mm	249	249	249	271	300	300	305	305	315	315	345	350
Weight without DMA (approx.)	kg	12	12	12	12	13	14	14	14	16	16	17	18
Idle speed	rpm	70	40	30	22	15	14	11	8	7	5	4	3

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

Technical Data



REAL TIME TORQUE READOUT = WATCH THE TORQUE RISE ON THE DISPLAY IN REAL TIME!



UNLIMITED TORQUE SETTINGS AVAILABLE IN INCREMENTS OF AS LITTLE AS 1 (FT LB OR NM)

***P : OPTIONAL PLUS MODELS HAVE TORQUE PLUS ANGLE CAPABILITY - ALL MODELS HAVE LCD SCREEN READOUT**

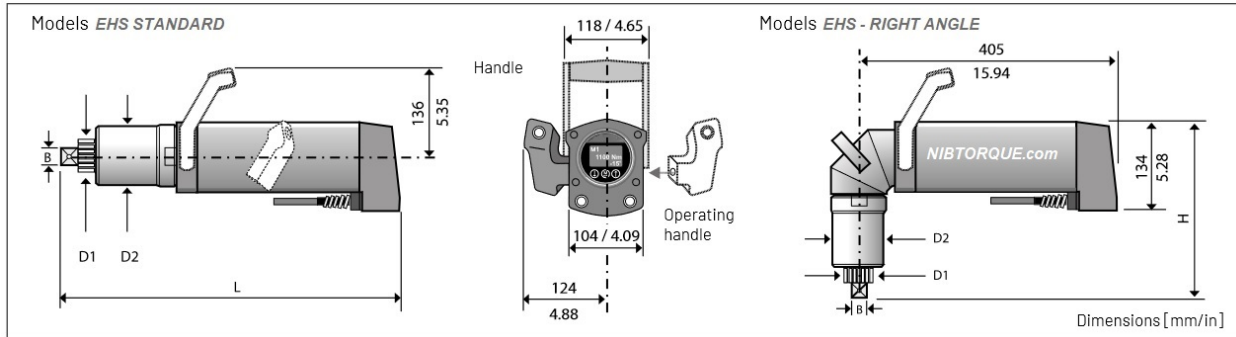
EHS SERIES

EXTREME DUTY ELECTRIC TORQUE

THE FASTEST TORQUE TOOL EVER...PERIOD!

SPEED

Technical Data

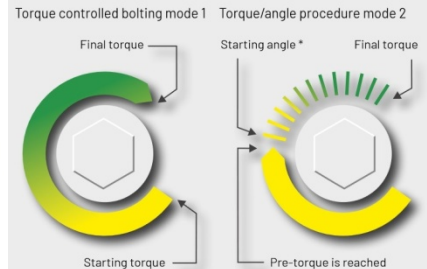


BRUSHLESS MAINTENANCE FREE ELECTRIC MOTOR ACCEPTS FROM 60-360V ACCURACY +/- 3%

Models **EHS - STANDARD**

Type		EHS - 2000	EHS-2250	EHS - 3200	EHS - 4550	EHS - 5750	EHS- 7000	EHS-15000	EHS - 31000
Torque range (approx.)*	Nm	430-2700	500-3100	900-4300	1150-6200	2000-7800	2050-9500	3500-20600	6200-42000
	ft.lbs	315-1990	370-2285	665-3170	850-4575	1475-5755	1510-7010	2580-15195	4575-30980
Square drive	B	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2 1/2"	2 1/2"
Diameter (approx.)	D ₁	mm / in	54 / 2.13	72 / 2.83	72 / 2.83	72 / 2.83	91 / 3.58	SW 120 / A/F 4.7	SW 120 / A/F 4.7
Diameter (approx.)	D ₂	mm / in	85 / 3.35	98 / 3.86	98 / 3.86	109 / 4.29	133 / 5.24	173 / 6.8	275 / 10.83
Length (approx.)	L	mm / in	515 / 20.3	535 / 21	535 / 21	550 / 21.6	550 / 21.6	760 / 30	760 / 30
Weight without DMA** (approx.)	kg / lbs	13 / 29	14 / 31	14.5 / 32	16 / 35	19.5 / 43	27 / 59.5	60 / 132	62 / 137
Idle speed	rpm	10	8	6	5	4	3	1	0.7

Scheme bolting programs



Models **EHS - RIGHT ANGLE**

Type		EHS RA-3200	EHS RA-4550	EHS RA-5900	EHS RA-7200
Torque range (approx.)*	Nm	900-4300	1150-6200	1060-8000	2050-9800
	ft.lbs	665-3170	850-4575	780-5900	1510-7230
Square drive	B	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Diameter (approx.)	D ₁	mm / in	72 / 2.83	72 / 2.83	91 / 3.58
Diameter (approx.)	D ₂	mm / in	98 / 3.86	109 / 4.29	173 / 6.8
Height (approx.)	H	mm / in	320 / 12.6	350 / 13.8	350 / 13.8
Weight without DMA** (approx.)	kg / lbs	15.5 / 34	17.5 / 38.6	20 / 44	29 / 64
Idle speed	rpm	5	4	3	2

Accessories: Remote control with operating handles



DATA COLLECTION

NIBTORQUE SMART SERVICE

Enabling wireless documentation and information

**TIME STAMP
BOLT NUMBER
TARGET TORQUE
ACTUAL TORQUE**

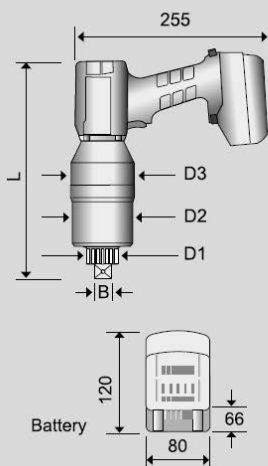
B-TITE BATTERY TORQUE WRENCHES

READY TO USE ANYWHERE : NO CORDS OR HOSES! ACCURACY +/- 3%



MAINTENANCE FREE BRUSHLESS MOTOR

Measurements



Scope of Delivery



2 lithium-ion battery packs 18 V, 5.2 Ah, battery charger, tool case.



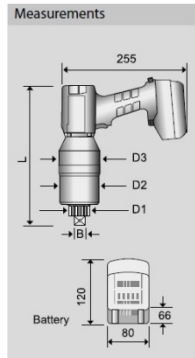
Repeat shut-off accuracy $\pm 3\%$ (same bolting connection). All *alkitronic*® torque multipliers are CE-certified.



B-TITE BATTERY TORQUE WRENCHES

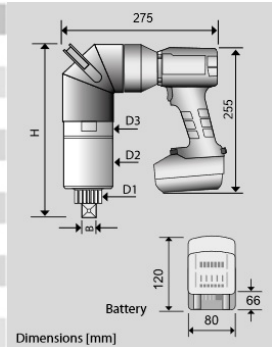
STANDARD MODELS

Type		BT2 / 80	BT2 / 150	BT2 / 200	BT2 / 280	BT2 / 300	BT2 / 400	BT2 / 600
Torque range (approx.) *	Nm	160-850	260-1400	300-2200	350-2800	370-3200	450-4100	600-6000
	lbf.ft	120-625	190-1035	220-1625	260-2065	275-2380	330-3025	445-4430
Square drive	B	3/4"	3/4"	1"	1"	1"	1 1/2"	1 1/2"
Diameter (approx.)	D ₁	mm	41	41	54	54	72	72
Diameter (approx.)	D ₂	mm	85	85	85	85	93	109
Diameter (approx.)	D ₃	mm	88	88	88	88	97	109
Length (approx.)	L	mm	295	295	320	350	370	380
Weight without DMA (approx.) **	kg	5,6	5,6	6,4	7,5	7,5	9,2	9,0
Idle speed 1 st gear	rpm	8,0	4,0	3,0	1,8	1,5	1,5	0,8
Idle speed 2 nd gear	rpm	26,0	14,0	10,0	6,5	6,0	5,4	3,0



RIGHT ANGLE MODELS

Type		RBT 2 / 80	RBT 2 / 150	RBT 2 / 200	RBT 2 / 280	RBT 2 / 300	RBT 2 / 400
Torque range (approx.) *	Nm	115-860	150-1400	250-2200	300-2800	360-3200	500-4100
	lbf.ft	85-635	110-1030	185-1620	220-2065	265-2360	370-3025
Square drive	B	3/4"	3/4"	1"	1"	1"	1 1/2"
Diameter (approx.)	D ₁	mm	41	41	54	54	72
Diameter (approx.)	D ₂	mm	85	85	85	85	93
Diameter (approx.)	D ₃	mm	88	88	88	88	97
Height (approx.)	H	mm	250	250	295	310	320
Weight without DMA (approx.) **	kg	7,5	7,5	9,0	9,5	9,5	11,2
Idle speed 1 st gear	rpm	7,0	4,0	2,0	1,7	1,5	1,0
Idle speed 2 nd gear	rpm	24,0	13,0	6,5	6,0	5,0	4,0



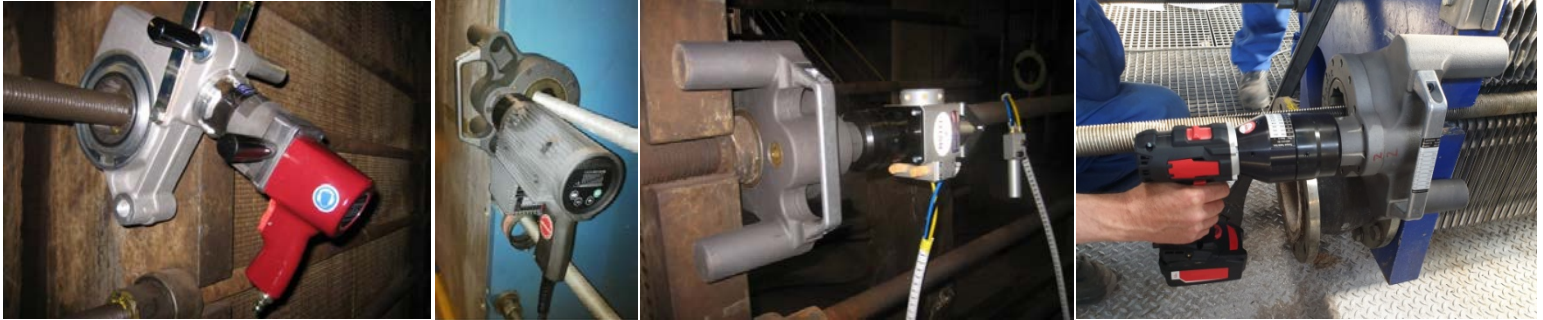
INCLUDED AUTOMATIC REVERSE RELEASE FUNCTION : RELEASES TENSION AFTER TORQUE IS SET
 COMES WITH STANDARD CHARGER : 1.5 HRS TO FULL CHARGE
 OPTIONAL 220V SUPERCHARGER : 45 MIN TO FULL CHARGE

REFERENCE : BT2/150 WILL TORQUE 360 TOTAL BOLTS WITH BOTH BATTERY'S AT FULL CHARGE

PHE SERIES

PLATE HEAT EXCHANGER

SPEED UP YOUR PLATE HEAT EXCHANGER DISASSEMBLY & ASSEMBLY



REDUCES LABOR TIME FROM 2 DAYS TO 2 HOURS!

SIMPLE TO USE / REDUCES LABOR TIME / ELIMINATES WORKSITE INJURY / POWERFUL / ACCURATE

***SG* SIDE GEAR MODELS**



ELECTRIC PISTOL GRIP RIGHT ANGLE



PNEUMATIC PISTOL GRIP RIGHT ANGLE



PNEUMATIC REMOTE CONTROL RIGHT ANGLE

***/L* INLINE MODELS**



ELECTRIC PISTOL GRIP INLINE



PNEUMATIC PISTOL GRIP INLINE



PNEUMATIC REMOTE CONTROL INLINE

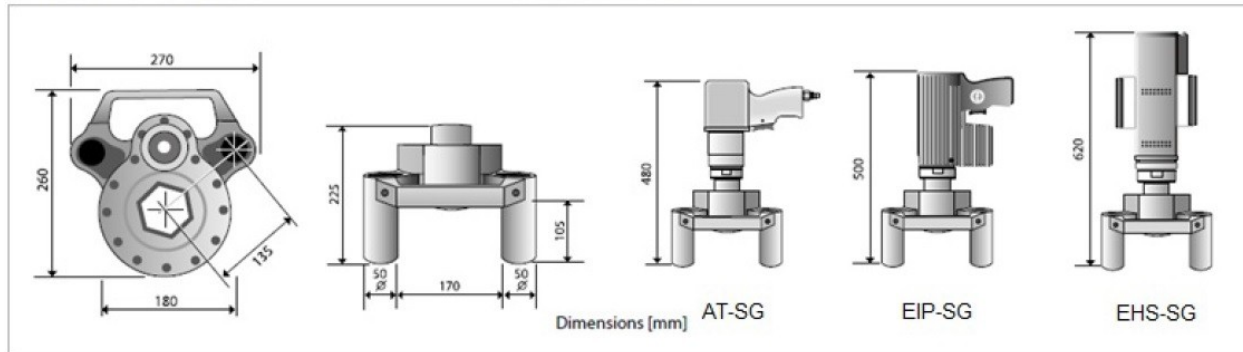
PHE SERIES

PLATE HEAT EXCHANGER

PHE SPECIFICATIONS SIDE GEAR STYLE

Tangential Gearing (SG)

SIDE GEAR STYLE

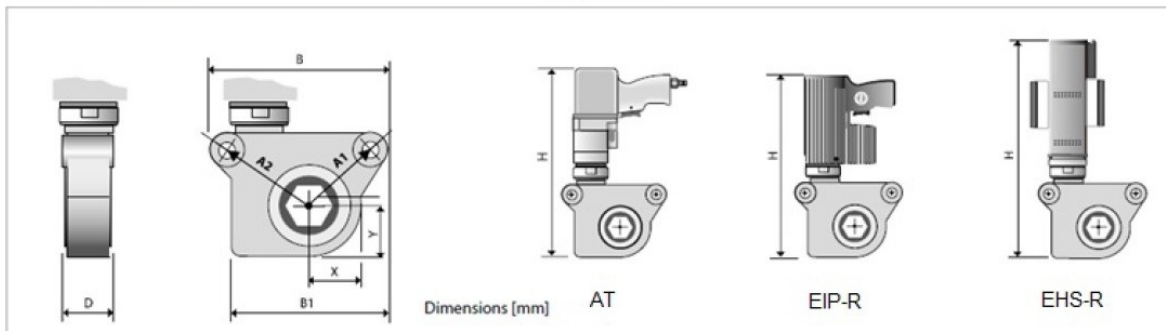


Tangential Gearing Models		Pneumatic	Electric drive	
		SG	SG	SG
Type & hex size in mm		at-SG 80	Eip-SG 80	ehs-SG 80
Torque range (approx.)	Nm	1280-3780	560-3780	560-3780
Spanner width	mm	80	80	80
Weight (approx.)	kg	17	19	22
Idle speed (approx.)	rpm	3.5	6	10

PHE SPECIFICATIONS INLINE STYLE

Radial Gearing (R)

INLINE STYLE



Radial Gearing Models		Pneumatic drive			Electric drive					
		R			R			R		
Type & hex size in mm		at 36	at 46	at 80	Eip-R 36	Eip-R 46	Eip-R 80	ehs-R 36	ehs-R 46	ehs-R 80
Torque range 2nd gear (approx.)	Nm	590-1730	630-1850	670-1975	560-3780	560-3780	560-3780	560-3780	560-3780	560-3780
Torque range 1st gear (approx.)	Nm	1440-4235	1545-4535	1645-4840	560-3780	560-3780	560-3780	560-3780	560-3780	560-3780
Spanner width	mm	36	46	80	36	46	80	36	46	80
Height (approx.)	H	400	435	450	385	425	475	500	550	600
Width (approx.)	B/B1	230/190	252/215	325/-	230/190	252/215	325/-	230/190	252/215	325/-
Bolt distance (approx.)	A1/A2	100/128	112/145	156/194	100/128	112/145	156/194	100/128	112/145	156/194
Dimensions (approx.)	X/Y	56/56	75/75	98/98	56/56	75/75	98/98	56/56	75/75	98/98
Dimension (approx.)	D	90	94	94	90	94	94	90	94	94
Weight (approx.)	kg	12	12.5	20	12	14.5	21	16	14.5	24.5
Idle speed (approx.)	rpm	1	1	2	8	7	7	10	9	9
Idle speed 2nd gear (approx.)	rpm	3	3	6	-	-	-	-	-	-

NOSE-TOOLS

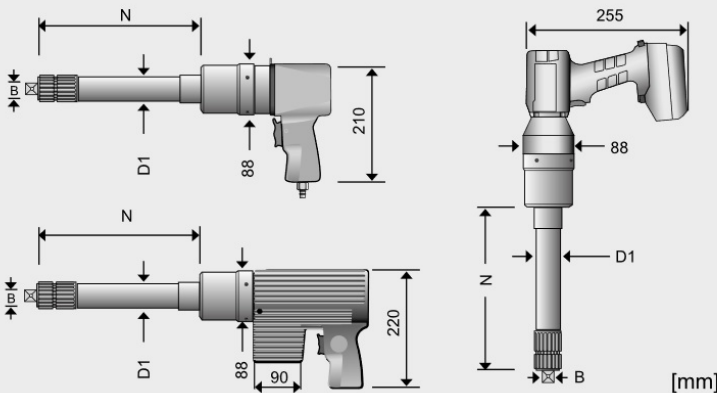


AVAILABLE IN : PNEUMATIC - ELECTRIC - BATTERY

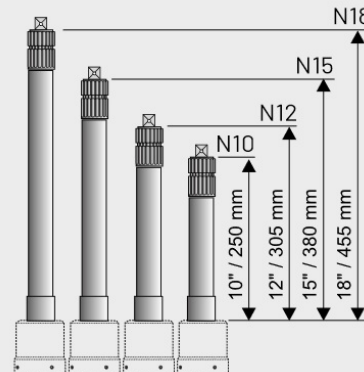
Technical Data

Drive	electric					(battery)					pneumatic				
Model N-Tool (-N)	Eip30	Eip40	Eip50	Eip60	Eip65	BT2/N80	BT2/N100	BT2/N150	BT2/N200	BT2/N280	AT800N	AT1100N	AT1250N	AT2000N	AT2550N
Torque range * Nm	100-940	150-1450	190-1850	250-2350	290-2900	190-850	130-1100	150-1400	250-2200	300-2800	385-1080	495-1450	600-1700	900-2700	1200-3500
Square drive B	3/4"	3/4"	1"	1"	1"	3/4"	3/4"	3/4"	1"	1"	3/4"	3/4"	1"	1"	1"
Diameter (approx.) D ₁ mm	46	46	56	56	56	46	46	46	56	56	46	46	56	56	56
Length extension N.. inch (e.g. EFCip30 N12)	N 12	N 12	N10 N12 N15 N18	N10 N12 N15 N18	N10 N12 N15 N18	N 12	N 12	N 12	N10 N12 N15 N18	N10 N12 N15 N18	N 12	N 12	N10 N12 N15 N18	N10 N12 N15 N18	N10 N12 N15 N18
Idle speed 1 st Gear 2 nd Gear rpm	30	15	14	11	8	7 24	6 20	4 13	2 6.5	1.7 6	16	12	7	5	4

Dimensions



Length „N“ extension in inch/mm

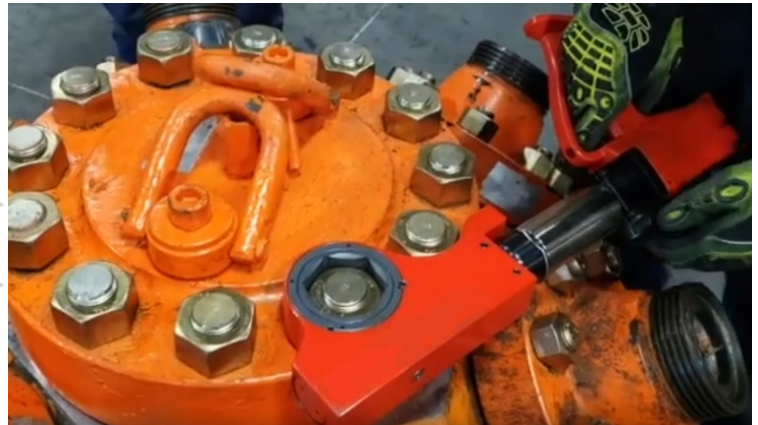
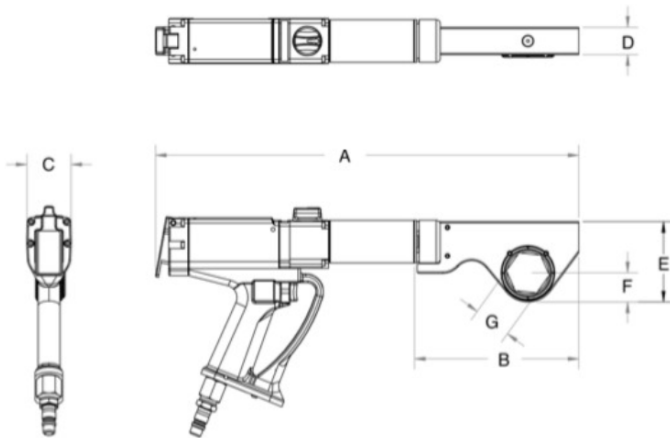


NIBDRIVE *PNEUMATIC SERIES*



360° Continuous Head Rotation

10 TIMES FASTER THAN HYDRAULIC WRENCHES!



REDUCED COSTS : ONE MOTOR CAN OPERATE DIFFERENT SIZE HEADS!

Part Number Pneumatic Motor Only	Part Number Wrench Head Only	Hex Size Inches (metric)	Torque Range ft-lb (Nm)	A inches (mm)	B inches (mm)	C inches (mm)	D inches (mm)	E inches (mm)	F inches (mm)	G inches (mm)	Weight Hex Head Only lb (kg)	Total Weight lb (kg)
NIB M77517	NIB H113	1-13/16 (46)	140 - 686 (190 - 930)	20.63 (524)	8.00 (203)	2.16 (55)	1.31 (33)	3.86 (98)	1.40 (36)	1.83 (46)	6.5 (2.9)	16.5 (7.5)
	NIB H200	2 (50.00)	190 - 953 (258 - 1292)	21.68 (551)	9.06 (230)	2.16 (55)	1.65 (42)	4.89 (124)	1.85 (47)	2.03 (52)	10.00 (4.5)	20.0 (9.1)
	NIB H203	2-3/16 (55)	256 - 1281 (348 - 1737)	21.68 (551)	9.06 (230)	2.16 (55)	1.65 (42)	4.89 (124)	1.85 (47)	2.20 (56)	10.0 (4.5)	20.0 (9.1)
NIB M77514	NIB H206	2-3/8 (60)	335 - 1677 (454 - 2274)	22.33 (567)	9.72 (247)	2.16 (55)	1.83 (46)	5.63 (143)	2.00 (51)	2.41 (61)	15.1 (6.8)	25.1 (11.4)
	NIB H209	2-9/16 (65)	430 - 2146 (583 - 2910)	23.11 (587)	10.50 (267)	2.16 (55)	2.00 (51)	6.12 (155)	2.24 (57)	2.59 (66)	18.7 (8.5)	28.7 (13.0)
	NIB H212	2-3/4 (70)	540 - 2696 (732 - 3655)	23.11 (587)	10.50 (267)	2.16 (55)	2.00 (51)	6.12 (155)	2.24 (57)	2.78 (71)	18.7 (8.5)	28.7 (13.0)
NIB M77519	NIB H215	2-15/16 (75)	666 - 3332 (903 - 4518)	23.28 (591)	10.30 (262)	2.16 (55)	2.25 (57)	6.52 (166)	2.29 (58)	2.94 (75)	21.3 (9.7)	31.3 (14.2)
	NIB H302	3-1/8 (80)	812 - 4061 (1101 - 5506)	24.02 (610)	11.08 (281)	2.16 (55)	2.40 (61)	7.25 (184)	2.75 (70)	3.13 (80)	28 (12.7)	38 (17.2)

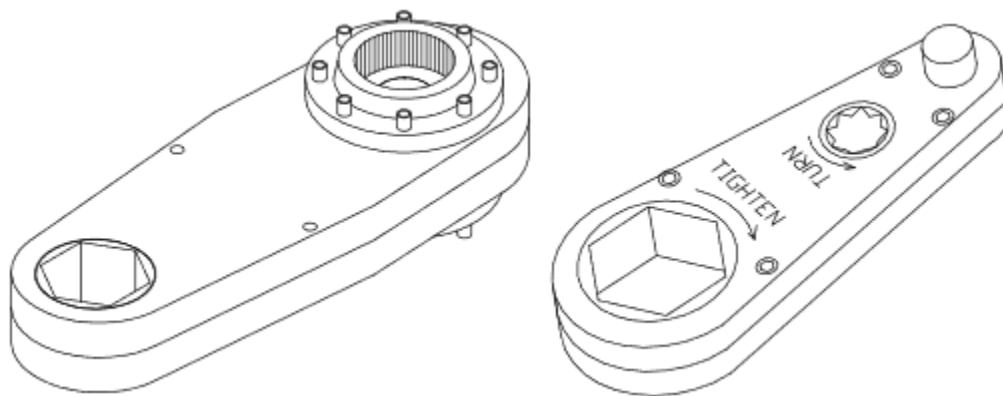
NIBDRIVE UNIVERSAL OFFSET



ATTACHES TO ANY PNEUMATIC, BATTERY OR ELECTRIC TOOL!
ALLOWS ACCESS TO TIGHT SPOTS...

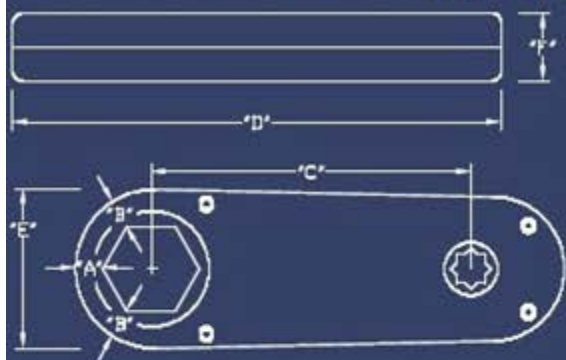


ATTACH YOUR TOOL : VIA SPLINED HUB, OR REACTION PIN
CONTINUOUS ROTATION TORQUE MULTIPLIER



USE A SMALLER INPUT TOOL =
MULTIPLIES THE INPUT BY 3:1 OR 4:1 DEPENDING ON MODEL
DUAL USE = CAN ALSO BE USED AS A HAND OPERATED MULTIPLIER

LINK GEARLESS 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"	.540"	.686"	8.34"	11.83"	2.11"	1.75"
TC-075-4-1-106-S	1-1/8"	.540"	.686"	8.34"	11.94"	2.32"	1.75"
TC-075-4-1-125-S	1-1/4"	.540"	.686"	8.34"	12.05"	2.54"	1.75"
TC-075-4-1-143-S	1-7/16"	.540"	.686"	8.34"	12.16"	2.76"	1.75"
TC-075-4-1-162-S	1-5/8"	.540"	.686"	8.34"	12.27"	2.97"	1.75"
TC-075-4-1-181-S	1-13/16"	.540"	.686"	8.34"	12.38"	3.19"	1.75"
TC-075-4-1-200-S	2"	.540"	.686"	8.34"	12.48"	3.41"	1.75"
TC-075-4-1-218-S	2-3/16"	.540"	.686"	8.34"	12.59"	3.62"	1.75"
TC-075-4-1-237-S	2-3/8"	.540"	.686"	8.34"	12.70"	3.84"	1.75"
TC-075-4-1-256-S	2-9/16"	.540"	.686"	8.34"	12.81"	4.06"	1.75"
TC-075-4-1-275-S	2-3/4"	.540"	.686"	8.34"	12.92"	4.27"	1.75"
TC-075-4-1-293-S	2-15/16"	.540"	.686"	8.34"	13.02"	4.49"	1.75"
TC-075-4-1-312-S	3-1/8"	.540"	.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	1-1/8"	.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

MANUAL MULTIPLIER

MAKES APPLYING TORQUE SIMPLE

NEVER LOOK AT A MANUAL MULTIPLIER AGAIN - AND WONDER WHERE TO REACT?

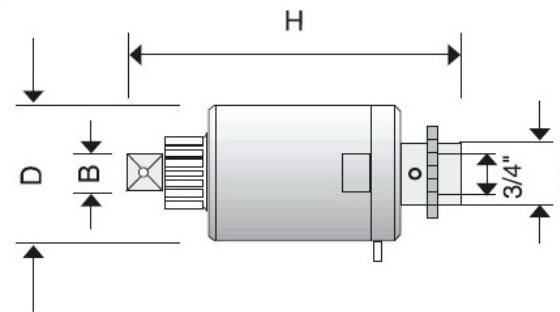
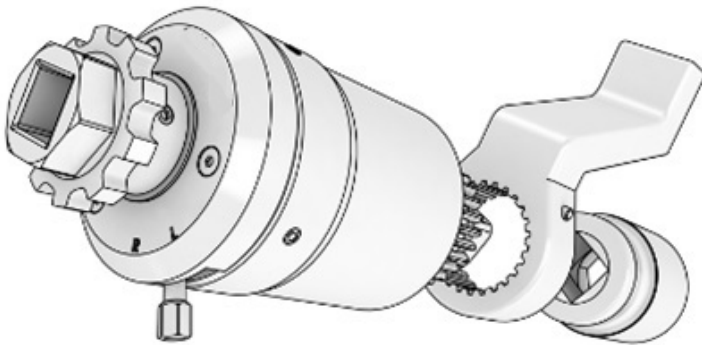
DESIGNED FOR BOLTING - EASY REACTION TO ADJACENT NUT



NEVER WORRY ABOUT POWER IN THE FIELD AGAIN!

NO POWER SUPPLY WORRIES / NO AIR SUPPLY WORRIES / NO HYDRAULIC TOOL WORRIES

ALWAYS WORKS / ALWAYS ON / ALWAYS RELIABLE



VERSATILE - ALWAYS A EASY WAY TO TURN THE INPUT SIDE

TURN BY HAND / TURN WITH A HEX / TURN WITH A 3/4 RATCHET WRENCH

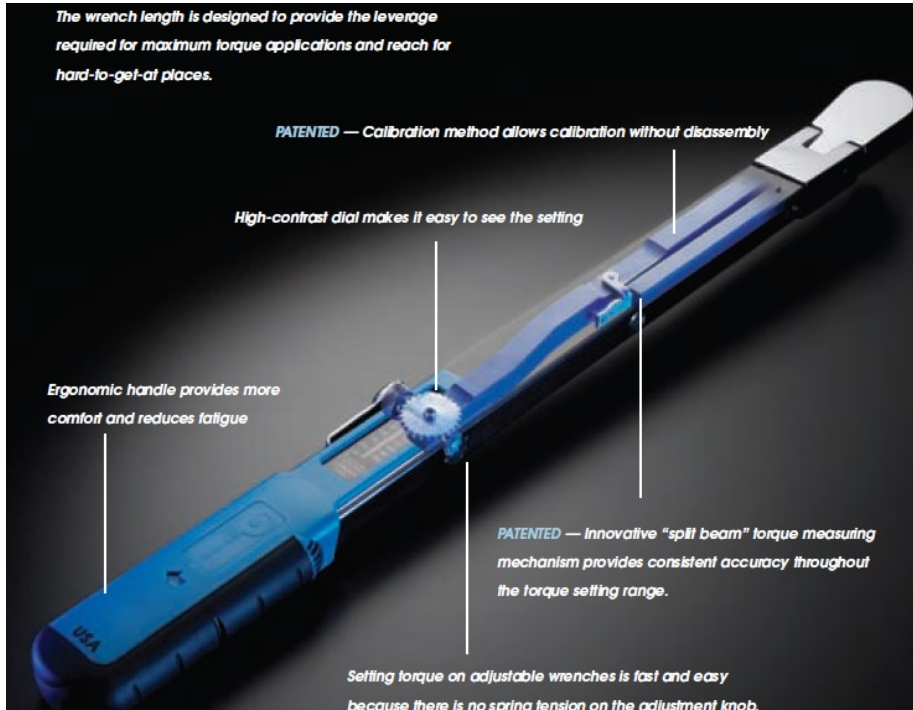
Type		MM.75-1000	MM1000	MM2500	MM3700	MM4500	MM6000	MM8500	MM37000
Torque up to (approx.)*	Nm	1400	1400	3500	5000	6000	8000	11500	50000
	lbf.ft	1035	1035	2580	3690	4425	5900	8480	36880
Square drive	B	1/2" / 3/4"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2 1/2"
Reduction ratio		4	4	16	18	20	24	28	180
Diameter	D mm	85	85	85	98	109	133	173	275
Height	H mm	180	200	235	250	280	280	290	360
Weight (approx.)	kg	3.5	4	5	6.5	7	11	19	58

MANUAL CLICKERS

HEAVY DUTY "SPLIT BEAM" CLICKERS

ACCURATE THROUGH THE COMPLETE TORQUE SPREAD – QUICK CHANGE TORQUE SETTINGS

NO NEED TO UNWIND AFTER EVERY USE – NO SPRINGS TO WEAR!



CAPACITY 40 – 250 FT LBS MADE IN THE USA SINCE 1938

½ FLEX RATCHET, 5 LB INCREMENTS, 22 1/8 LONG, 1 5/8 WIDE 3.39 LBS

MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS : GGG-W-686C, ANSI B107.14M



CAPACITY 200 – 600 FT LBS MADE IN THE USA SINCE 1938

¾ SQUARE DRIVE DETACHABLE RATCHET, 10 FT LB INCREMENTS, 48 ½ LONG, 2 3/8 WIDE, 11.76 LBS

MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS : GGG-W-686C, ANSI B107.14M

MECHANICAL HOLDING WRENCH

THE CADDILIAC OF HOLDING WRENCHES!

MECHANICAL HOLDING WRENCH BY NIBTORQUE

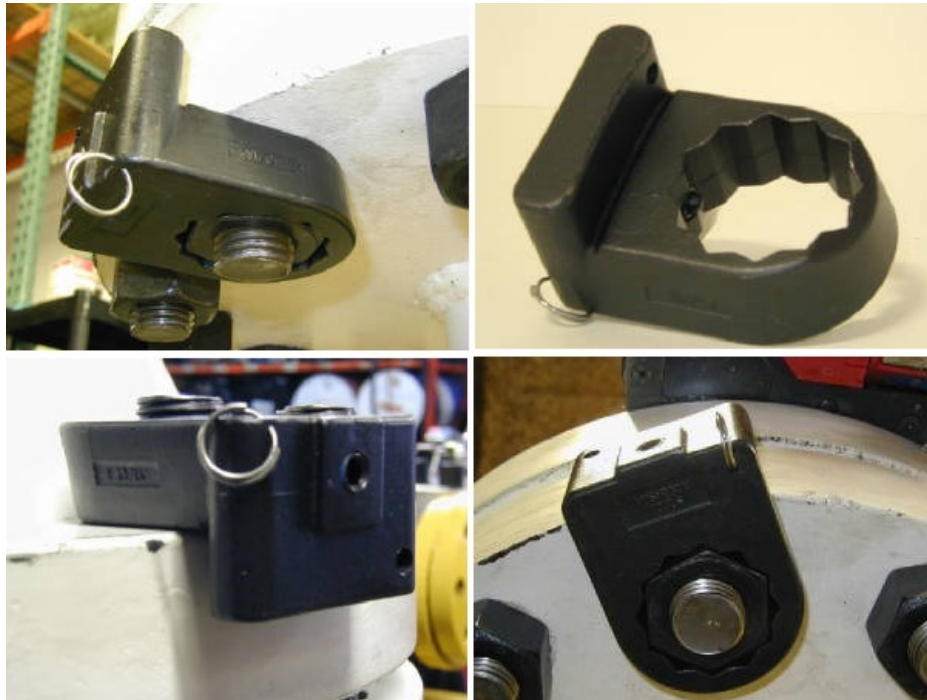
The essential tool for holding thru bolt nuts in place.



NUT SPECIFIC HOLDING WRENCHES SQUEEZE IN TO *TIGHT* SPOTS

NON-MECHANICAL

HOLDING WRENCH - COST EFFECTIVE



SPRING LOADED BALL RETAINS WRENCH ON NUT EVEN WHEN LOOSE!

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

WWW.NIBTORQUE.COM



SPECIFICATIONS

MODEL	MAX TORQUE	RANGE	MAX OD	GRIP WIDTH	WT w/ DC PUMP	WRENCH WT	CYL WT	CHAIN WT
2.6	2600 FT LBS	1-5"	6"	4"	210 LBS IN CRATE	12	29	7 3/8
7.5	7500 FT LBS	2 1/4 - 4 7/8	5"	4.44	275 LBS IN CRATE	31	31	13 1/8
15	15000 FT LBS	3 1/4 - 5 1/4	8 1/4	5.0	350 LBS IN CRATE	45	28	13 1/8
20	20000 FT LBS	4 1/4 - 10 3/4	10.75	4.88	650 LBS IN CRATE	74	SPECIAL	20 1/2
50	50000 FT LBS	4 - 8 1/4	14"	7.25	700 LBS IN CRATE	129	52	42
90	90000 FT LBS	4 - 12	24"	9"	1300 LBS IN CRATE	317	77	99
140	140000 FT LBS	6-9 1/4	22"	10"	2250 LBS IN CRATE			

GRIP WIDTH IS THE WIDTH THE INDIVIDUAL WRENCH NEEDS TO GRIP ON PIPE

****PRICED WITH CHAIN LENGTH FOR THE NORMAL "RANGE", "MAX OD" REQUIRES PURCHASE OF EXTRA CHAIN****
SYSTEM SHIPS IN A WOODEN CRATE. (FUMIGATED STAMPED WOOD AVAILABLE FOR INTERNATIONAL SHIPPING)



115V AC PUMP - 55 LBS



12V DC PUMP - 40 LBS

(INCLUDES ALLIGATOR CLIPS TO HOOK TO BATTERY)



HAND PUMP - 20 LBS

SHOW WITH OPTIONAL VERTICAL RIGGING

IMPACT WRENCHES



**GET THE FORCE...GET THE MAGNUM FORCE™
AND LET A HIGHER FORCE BE WITH YOU!**



Super Duty 3/4" Drive Class Impact Tools

Models	Working Torque ft lb (Nm)	Max Torque ft lb (Nm)	Handle Type	Drive Size	Socket Retainer	Length in (mm)	Weight lb (kg)	Air Inlet NPT / Hose ID in (mm)	Comparable To
ATP7527PT-TH	1500 (2034)	1800 (2440)	Pistol Grip	3/4" Sq.	Through Hole	8.9 (227)	12.24 (5.55)	3/8 / 3/4 (19.05)	IR2925RBP1Ti

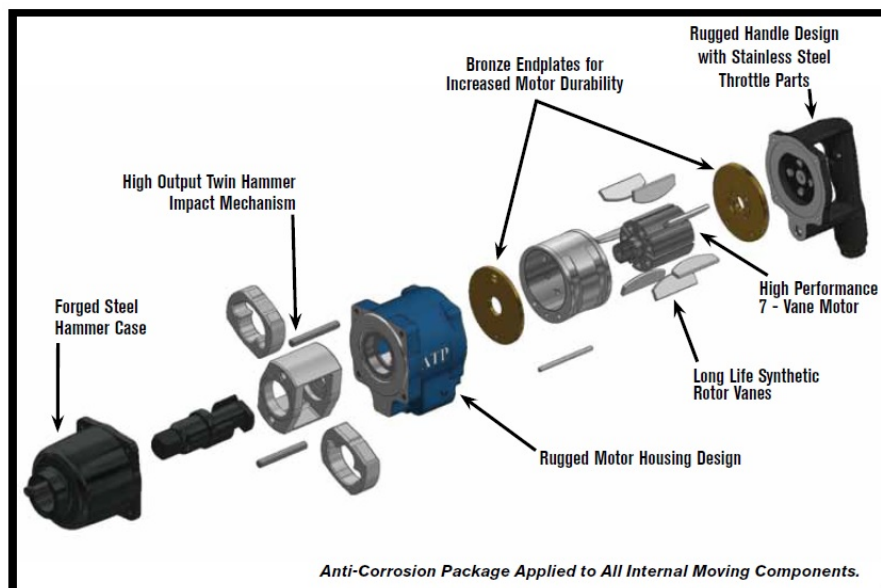
Super Duty 1" Drive Class Impact Tools

Models	Working Torque ft lb (Nm)	Max Torque ft lb (Nm)	Handle Type	Drive Size	Socket Retainer	Length in (mm)	Weight lb (kg)	Air Inlet NPT in / Hose ID in (mm)	Comparable To
ATP1045EI-TH	2700 (3661)	3300 (4474)	End Grip	1" Sq.	Through Hole	14.0 (356.1)	24.64 (11.17)	1/2 / 3/4 (19.05)	IR3942B2Ti

Super Duty 1-1/2" Drive Class Impact Tools

Models	Working Torque ft lb (Nm)	Max Torque ft lb (Nm)	Handle Type	Drive Size	Socket Retainer	Length in (mm)	Weight lb (kg)	Air Inlet NPT in / Hose ID in (mm)	Comparable To
ATP1555EI-TH	3200 (4339)	4200 (5694)	End Grip	1-1/2" Sq.	Through Hole	16.3 (413.4)	35.55 (16.12)	1/2 / 3/4 (19.05)	IR3955B2Ti

What's Inside for Maximum Performance...



ATP MAGNUM... A HIGHER FORCE IN AIR IMPACT TOOLS

POWER SPREADER FLANGE SPREADER

PATENTED DESIGN FITS ALL FLANGE SIZES

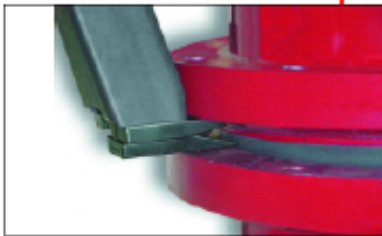


**OPENS A 3" WIDE GAP
IN A SINGLE PASS**



**AUTO-SPREADER
MADE IN THE USA**

Inserts Into Narrow Gaps



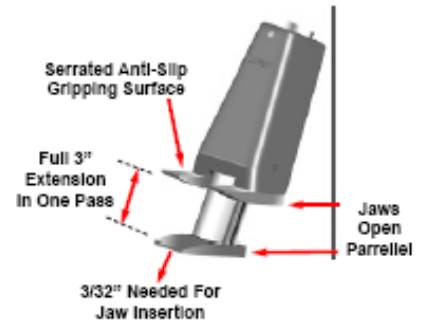
*Only 3/32" gap is needed for
inserting jaws*



HS10K Hydraulic Model

MS10-K Manual Model

YOU CHOOSE HYDRAULIC OR MANUAL



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			

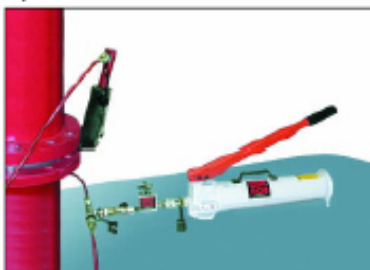


MULTI-STEP SAFETY BLOCK

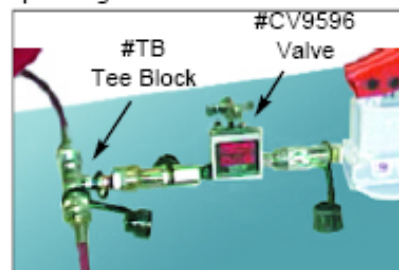
Choose 1" 2" or 3" desired width to hold the load

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**

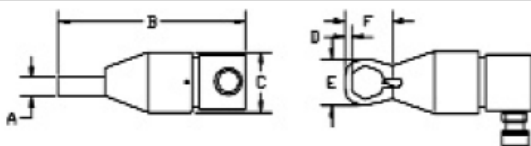
**POWER
SPLITTER**



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 - 36)	1.5" (38.1)	11" (279.4)	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" (36 - 51)	1.525" (38.1)	11.75" (298.4)	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" (46 - 60)	2" (50.8)	16" (406.4)	8" (203.2)	.595" (15.1)	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)	16" (406.4)	8" (203.2)	.672" (17.1)	4.5" (114.3)	5.625" (142.9)	82 (28.2)
AS308	1 3/4" - 2 1/4" (45 - 57)	2 3/4" - 3 1/2" (70 - 89)	3" (76.2)	17.75" (450.8)	7.125" (181.2)	.875" (22.1)	5.75" (146.1)	6.375" (162.9)	95 (33.2)
AS314	2" - 2 1/2" (51 - 64)	3 1/8" - 3 7/8" (79 - 98)	3.125" (79.4)	18" (457.2)	7.125" (181.2)	.875" (22.1)	6.25" (158.8)	6.875" (174.6)	100 (36.3)
AS404	2 1/2" - 2 3/4" (64 - 70)	3 3/4" - 4 1/4" (95 - 108)	3.75" (95.3)	22.75" (577.9)	9.875" (250.8)	1.125" (28.6)	7.5" (190.5)	7.21" (183.1)	205 (73.5)
AS500	3" - 3 1/4" (76 - 83)	4 1/2" - 5" (114 - 127)	4.125" (104.8)	23" (584.2)	9.875" (250.8)	1.125" (28.6)	9" (228.6)	7.235" (183.7)	210 (75.4)
AS506	3 1/4" - 3 1/2" (83 - 89)	4 7/8" - 5 3/8" (124 - 136)	4.125" (104.8)	23.5" (596.9)	9.875" (250.8)	1.125" (28.6)	9.375" (238.1)	7.539" (191.4)	215 (77.7)
AS608	3 3/4" - 4 1/4" (95 - 108)	5 3/4" - 6 1/2" (146 - 165)	5" (127)	24" (610)	12.5" (317.5)	1.406" (35.7)	11.72" (297.8)	9.424" (239.3)	387 (138.5)

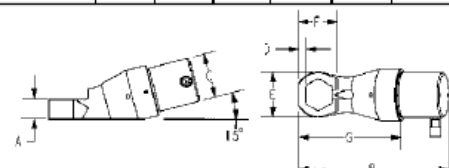
STANDARD MODEL
DIMENSIONS



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 - 16)	1/2" - 1" (13 - 24)	.667" (17.5)	7.45" (189.2)	2.75" (69.9)	.25" (6.4)	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 - 36)	1.5" (38.1)	10.87" (276.1)	4" (101.6)	.375" (9.5)	2.75" (69.9)	3.415" (86.74)	7.438" (188.9)	20 (9)
AS200AH	7/8" - 1 1/4" (22 - 32)	1 7/16" - 2" (36 - 51)	1.5" (38.1)	11.44" (290.5)	4" (101.6)	.5" (12.7)	3.624" (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" (46 - 60)	2.25" (57.1)	16.13" (408.7)	8" (203.2)	.562" (14.3)	4.25" (107.95)	5.825" (147.95)	11.46" (291.85)	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)	8" (203.2)	.667" (17.5)	5" (127)	5.975" (151.76)	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" (92.7)	19.84" (504.2)	7.25" (184.2)	.75" (19.1)	6.25" (158.75)	6.232" (158.3)	13.25" (336.55)	95 (33.2)
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" (22.1)	6.75" (171.45)	7.58" (192.5)	13.75" (349.25)	100 (36.3)

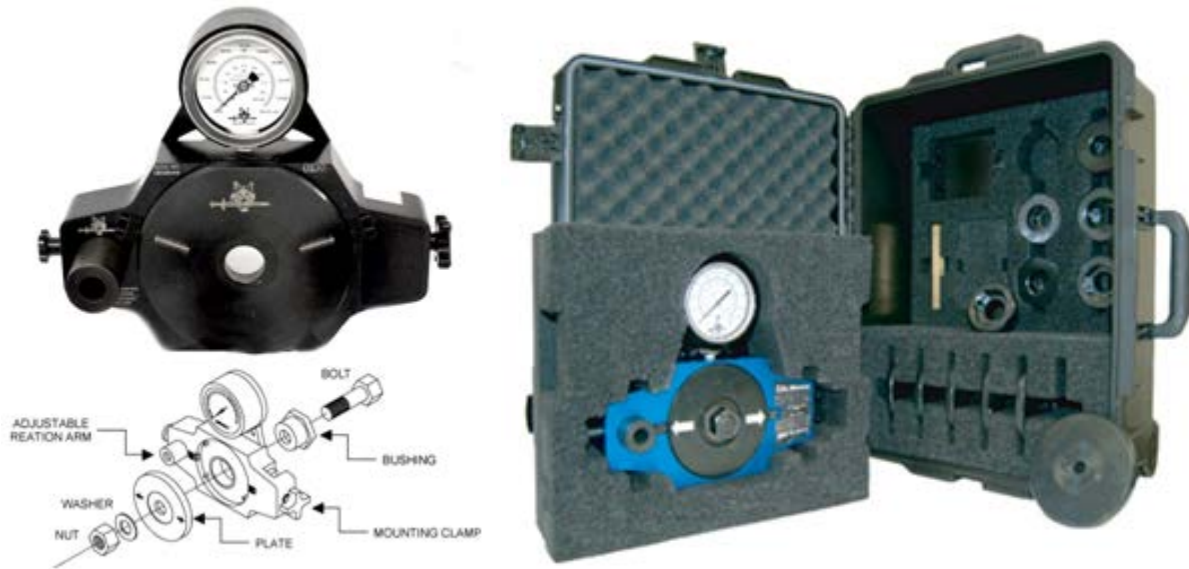
ANGLE HEAD MODEL
DIMENSIONS



WWW.NIBTORQUE.COM

BOLT TENSION CALIBRATION

MACHINE DISPLAYS CLAMP FORCE IN : KILO NEWTONS AND POUNDS OF FORCE



SOLID MILLED CLAMP THAT SECURES FOR BEAM MOUNTING
MADE FROM AIRCRAFT QUALITY ALUMINUM FOR ULTRA LIGHT WEIGHT
BUILT IN ADJUSTABLE REACTION ARM TO USE WITH POWERED TORQUE TOOLS

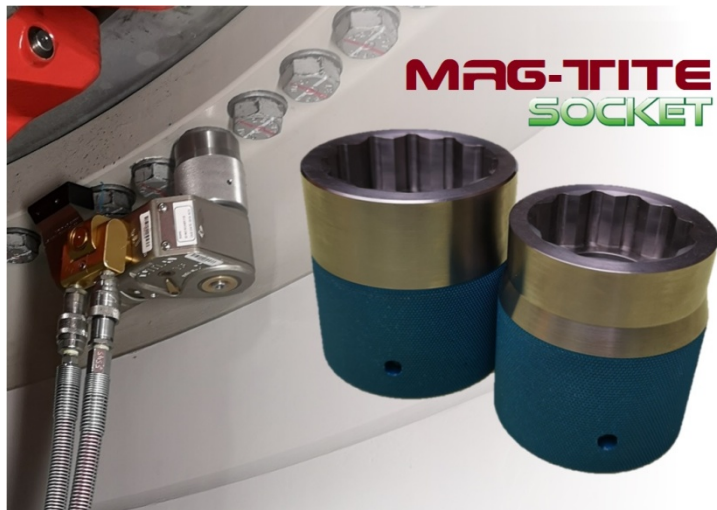


SOLID GAUGE PROTECTION
FITTED WHEELED CARRY CASE
DRILLED HOLES FOR BASE/TABLE MOUNTING
LABEL IDENTIFYING RECOMMENED MINIMUM BOLT TENSION

CBT-100	DESCRIPTION			CBT-125
CBT-100	BASIC UNIT for bolts ranging in size from 1/2" to 1-1/4"			CBT-125
CBT-100-K4	BASIC UNIT with (4) PLATE SET SIZES: 7/8", 1" 1-1/8" and 1-1/4"			CBT-125-K4
CBT-100-K6	BASIC UNIT with (6) PLATE SET SIZES: 5/8", 3/4", 7/8", 1" 1-1/8" and 1-1/4"			CBT-125-K6
	STANDARD HEX SIZE	BOLT DIAMETER	HEAVY HEX SIZE	
CBT-100-PS-062-(H) (S)	15/16"	5/8" Plate and Hex Bushing	1-1/16"	CBT-125-PS-062-(H) (S)
CBT-100-PS-075-(H) (S)	1-1/8"	3/4" Plate and Hex Bushing	1-1/4"	CBT-125-PS-075-(H) (S)
CBT-100-PS-087-(H) (S)	1-5/16"	7/8" Plate and Hex Bushing	1-7/16"	CBT-125-PS-087-(H) (S)
CBT-100-PS-100-(H) (S)	1-1/2"	1" Plate and Hex Bushing	1-5/8"	CBT-125-PS-100-(H) (S)
CBT-100-PS-112-(H) (S)	1-11/16"	1-1/8" Plate and Hex Bushing	1-13/16"	CBT-125-PS-112-(H) (S)
CBT-100-PS-125-(H) (S)	1-7/8"	1-1/4" Plate and Hex Bushing	2"	CBT-125-PS-125-(H) (S)

CBT-200	DESCRIPTION			CBT-250
CBT-200	BASIC UNIT for bolts ranging in size from 1-3/8" to 2"			CBT-250
	STANDARD HEX SIZE	BOLT DIAMETER	HEAVY HEX SIZE	
CBT-200-PS-137-(H) (S)	2-1/16"	1-3/8" Plate and Hex Bushing	2-3/16"	CBT-250-PS-137-(H) (S)
CBT-200-PS-150-(H) (S)	2-1/4"	1-1/2" Plate and Hex Bushing	2-3/8"	CBT-250-PS-150-(H) (S)
CBT-200-PS-162-(H) (S)	2-7/16"	1-5/8" Plate and Hex Bushing	2-9/16"	CBT-250-PS-162-(H) (S)
CBT-200-PS-175-(H) (S)	2-5/8"	1-3/4" Plate and Hex Bushing	2-3/4"	CBT-250-PS-175-(H) (S)
CBT-200-PS-187-(H) (S)	2-13/16"	1-7/8" Plate and Hex Bushing	2-15/16"	CBT-250-PS-187-(H) (S)
CBT-200-PS-200-(H) (S)	3"	2" Plate and Hex Bushing	3-1/8"	CBT-250-PS-200-(H) (S)

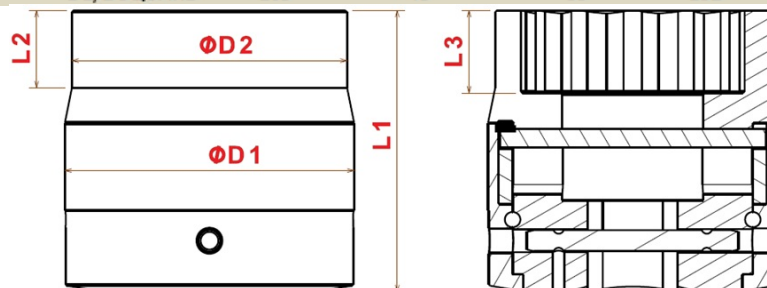
MAG-Tite®



ALLOWS HANDS FREE USE OF TOOLS EVEN WHEN INVERTED!

ELIMINATES TOOL PINCH POINTS & 30% LIGHTER THAN SOCKETS

SOCKET A/F	DRIVE SIZE	L1 (MM)	L2 (MM)	L3 (MM)	D1 (MM)	D2 (MM)
MAG-Tite SOCKET 3/4 DRIVE						
36 MM (1 7/16)	3/4 SQUARE	58.6	18	14	66	56
41 MM (1 5/8)	3/4 SQUARE	58.6	18	17	66	59
46 MM (1 13/16)	3/4 SQUARE	63	27	19.5	66	65
MAG-Tite SOCKET 1" DRIVE						
36MM (1 7/16)	1" SQUARE	72.5	18	17	70	56
41 MM (1 5/8)	1" SQUARE	72.5	18	17	70	59
46 MM (1 13/16)	1" SQUARE	75	22	19.5	70	65
50 MM	1" SQUARE	75	27	19.5	70	70
55MM (2 3/16)	1" SQUARE	80	24	23.5	82	78
60 MM (2 3/8)	1" SQUARE	80	32	23.5	82	82
MAG-Tite SOCKET 1 1/2 DRIVE						
65 MM (2 9/16)	1 1/2 SQUARE	104	28	27	98	92
70 MM (2 3/4)	1 1/2 SQUARE	105	41	27	98	98
75 MM (2 15/16)	1 1/2 SQUARE	105	32	29.5	115	108
80 MM (3 1/8)	1 1/2 SQUARE	105	32	29.5	115	115
85 MM (3 3/8)	1 1/2 SQUARE	105	36	35	132	120
90 MM (3 1/2)	1 1/2 SQUARE	105	36	35	132	126
95 MM (3 3/4)	1 1/2 SQUARE	105	48	35	132	132



HOLDS UP TO 175 LBS

CALIBRATION VAN LLC.

TORQUE TOOL CALIBRATION & REPAIR DIRECTLY ON YOUR JOBSITE OR FACILITY



NO SHIPPING TOOLS OUT - NO WAITING FOR TOOLS TO RETURN - WE COME TO YOU!

AVAILABLE WITHIN 100 MILES OF US ZIP CODE 18104

**HYDRAULIC TORQUE WRENCHES - ELECTRIC TORQUE WRENCHES - PNEUMATIC TORQUE WRENCHES
BATTERY TORQUE WRENCHES - CLICKER WRENCHES - PRESSURE GAUGE CALIBRATION UP TO 10,000 PSI**

***ALL TOOLS CALIBRATED TO N.I.S.T. STANDARDS
CALIBRATION CERTIFICATE PRINTED ONSITE!***





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!**

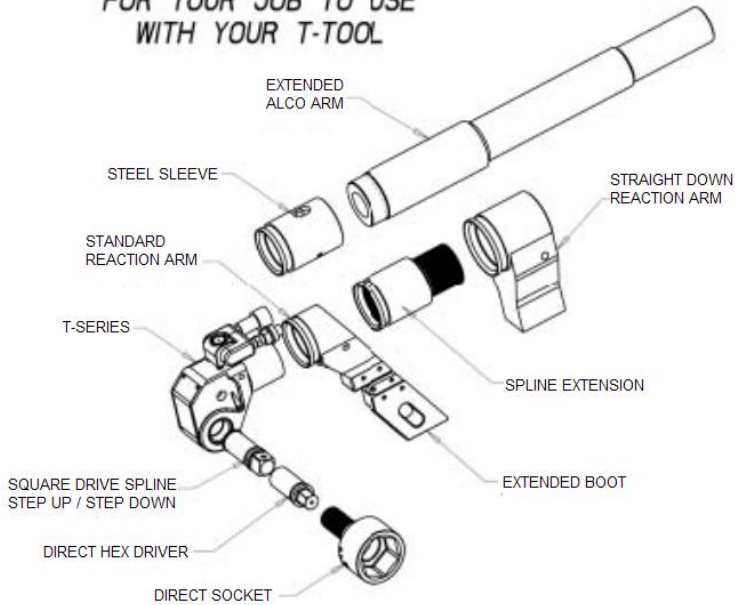


NOTES : THESE ARE GUIDELINES ONLY. REFER TO MANUFACTURES SPECS OR ENGINEERING DEPT.

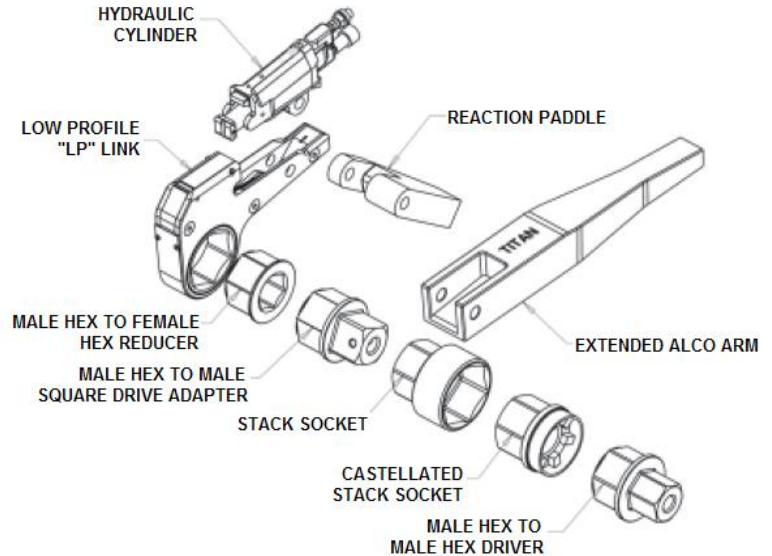
ACCESSORIES

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



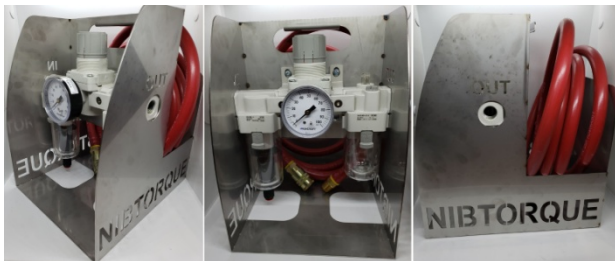
700 bar (10,000 psi) pressure gauges
for hydraulic wrench usage.



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

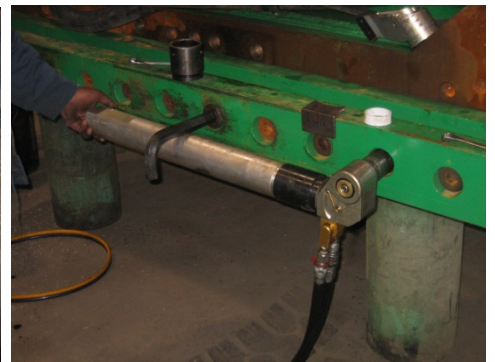
PNEUMATIC/ELECTRIC/BATTERY TOOLS



FILTER-REGULATOR-LUBRICATOR UNIT / SLIP ON NOSE EXTENSIONS



LONG REACTION ARMS / FORKED REACTION ARMS / DEEP & STRAIGHT ARMS / WELDABLE RINGS / TOOL HANGING RINGS



NORTHEAST INDUSTRIAL BOLTING & TORQUE LLC

TEL : 1-484-539-9022 FAX : 1-866-780-9316 SALES : BOLTING@NIBTORQUE.COM WEB : WWW.NIBTORQUE.COM

BOLTING TOOL EXPERTS - SOLVING BOLTING PROBLEMS SINCE 2004

WE SELL ONLY SUPERIOR QUALITY PRODUCTS MADE IN THE USA OR GERMANY