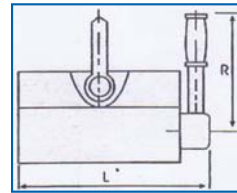
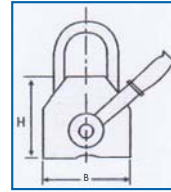
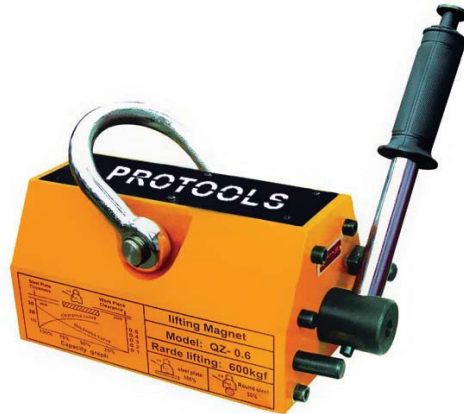


HAND TOOLS

Protools-PTS Series-Powerful Magnetic Lifters

The advantages and characteristics:

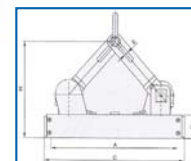
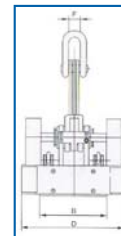
Permanent magnetic lifters use new and high performance Nd-Fe-B magnetic material. It's characterized by a compact size and light weight. Powerful lifting effort and few of residual magnetism, easy and safe to operate without electricity in operation, long-period effort. They have been Used widely to lift and transport steel and iron.



Model	Rate SWL Capacity (Kg)	Dimension (mm)				Max. Test Capacity (kgs)	Weight (kgs)
		L	B	H	R		
PTS-0100 AH03693	100	100	82	80	126	350	3
PTS-0300 AH03694	300	180	100	120	150	1050	12
PTS-0600 AH03695	600	246	145	142	236	2100	28
PTS-1 AH03696	1000	280	165	164	284	3500	48
PTS-2 AH03697	2000	370	210	205	426	7000	90
PTS-3 AH03698	3000	458	286	264	521	10000	190
PTS-5 AH03699	5000	550	330	310	720	17000	420

We reserves right to modify the design specifications mechanism etc without notice.

Protools-PQZ Series-Powerful Magnetic Lifters



Model	Rate Lifting Capacity (Kg)	Shape Size (mm)								Test Max Pull off Force (Kg)	Weight (Kg)
		A	B	C	D	E	F	G	H		
PQZ-1 AH03700	1000	685	238	770	410	28	48	102	415	4000	200
PQZ-2 AH03701	2000	760	328	845	500	28	48	104	440	7000	285
PQZ-3 AH03702	3000	862	406	948	585	36	58	112	480	10 500	380
PQZ-5 AH03703	5000	1016	424	1100	610	38	62	124	580	15 000	490
PQZ-10 AH03705	10 000	1350	750	1435	922	52	72	150	680	25 000	1050
PQZ-20 AH03708	20 000	1500	850	1585	1022	68	85	195	840	50 000	1850

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Protools

HAND TOOLS

ProTools Torque Wrench



1/4" TORQUE WRENCH

Code No.	Model No.	Square Drive	Torque Range Nm/IN-LB	Graduation	Length mm	Weight g
AH03755	PW-262-1FW	1/4"	2~10/22.1~84.1	0.1	281	560
AH03756	PW-262-2FW	1/4"	4~20/39.8~172.6	0.1	325	640

3/8" TORQUE WRENCH

Code No.	Model No.	Square Drive	Torque Range Nm/IN-LB	Graduation	Length mm	Weight g
AH03757	PW-362-1FW	3/8"	4~20/39.8~172.6	0.1	325	640

Code No.	Model No.	Square Drive	Torque Range Nm/FT-LB	Graduation	Length mm	Weight g
AH03758	PW-362-2FW	3/8"	20~100/16.6~71.9	0.5	435	1300

1/2" TORQUE WRENCH

Code No.	Model No.	Square Drive	Torque Range Nm/FT-LB	Graduation	Length mm	Weight g
AH03759	PW-462-1FW	1/2"	40~200/33.2~143.8	1.0	521	1590
AH03760	PW-462-2FW	1/2"	60~340/51.6~243.4	2.0	613	1810

3/4" TORQUE WRENCH

Code No.	Model No.	Square Drive	Torque Range Nm/FT-LB	Graduation	Length mm	Weight g
AH03761	PW-662-1FW	3/4"	100~600/92~424	5.0	1050	5500
AH03762	PW-662-2FW	3/4"	150~800/129~572	5.0	1234	5600
AH03763	PW-662-3FW	3/4"	200~1000/166~719	5.0	1234	6150

1" TORQUE WRENCH

Code No.	Model No.	Square Drive	Torque Range Nm/FT-LB	Graduation	Length mm	Weight g
AH03764	PW-862-1FW	1"	150~800/129~572	5.0	1234	5600
AH03765	PW-862-2FW	1"	200~1000/166~719	5.0	1234	6150
AH03766	PW-862-3FW	1"	300~1500/258~1069	10	1850	12200

USA DIAL TORQUE WRENCHES DUAL SCALE - SAE



Memory Needle Models

Code No.	Model No.	Drive Size	Torque Range	Incr.	Torque Range Newton Meter	Incr.	(L) In.
AH01179	3002LDIN	3/8"	0-300 in. lb.	.5 in. lb.	0-35 Nm	1Nm	11.5
AH01180	6002LDIN	3/8"	0-600 in. lb.	10 in. lb.	0-70 Nm	2 Nm	15
AH01181	2503LDFN	1/2"	0-250 ft. lb.	5 ft. lb.	0-350 Nm	10 Nm	21.75
AH01182	6004LDFN*	3/4"	0-600 ft. lb.	10 ft. lb.	0-800 Nm	20 Nm	47.00
AH01183	10005LDFN*	1"	0-1000 ft. lb.	20 ft. lb.	0-1400 Nm	25 Nm	74.00

Electric Signaling Models

Code No.	Model No.	Drive Size	Torque Range	Incr.	Torque Range Newton Meter	Incr.	(L) In.
AH01185	6004LDFE**	3/4"	0-600 ft. lb.	10 ft. lb.	0-800 Nm	20 Nm	47.00
AH01186	10005LDFE**	1"	0-1000 ft. lb.	20 ft. lb.	0-1400 Nm	25 Nm	74.00
AH01187	20005LDFE***	1"	0-2000 ft. lb.	40 ft. lb.	0-2800 Nm	50 Nm	122.00

USA FLEXI-HEAD MICROMETER ADJUSTABLE TORQUE WRENCH

Code No.	Model No.	Torque Range	Sq. Drive	(L) In.
AH01177	802MFRFMHSS	10-80 FT. lb.	3/8"	16.60

Features

- Single scale, dual direction
- Positive lock with spring loaded pull down lock ring
- Fast, accurate and easy to set
- Easy-to-read laser marked scales
- Flex Head pivots 15 degrees in both directions
- Rugged for Industrial use
- Accuracy: $\pm 4\%$ clockwise $\pm 6\%$ ccw of indicated value, cw, from 20% to 100% of full scale
- Meets or exceeds ASME B107.14-2004, ISO 6789 standards
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



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**USA
ProTools**

HAND TOOLS

ProTools Crawfoot Wrench Set

Code No:	AH03767
Model:	P120211-42EW 1/2" SQ Dr Torque wrench 60-340 Nm/51.6-243.4 ft. lb
Torque Range	60-340 Nm/51.6-243.4 ft. lb
Type:	Open End
Contents:	14 x 18 Ratchet Handle – 1pc 14 x 18 Ratchet Insert Tools – 1pc
Insert Tool Size (mm):	13, 14, 15, 17, 19, 22, 24, 27, 30



Optional Accessories for AH03767 (Type: OPEN-END)

Code No.	Size (mm)	Code No.	Size (mm)	Code No.	Size (mm)
AH03769	13	AH03775	19	AH03781	32
AH03770	14	AH03776	21	AH03782	34
AH03771	15	AH03777	22	AH03783	36
AH03772	16	AH03778	24	AH03784	38
AH03773	17	AH03779	27	AH03785	41
AH03774	18	AH03780	30		

ProTools Ring Wrench Set

Code No:	AH03768
Model:	P120211-42 EW 1/2" SQ Dr Torque wrench 60-340 Nm/51.6-243.4 ft. lb
Torque Range	60-340 Nm/51.6-243.4 ft. lb
Type:	Ring
Contents:	14 x 18 Ratchet Handle – 1pc 14 x 18 Ratchet Insert Tools – 1pc
Insert Tool Size (mm):	13, 14, 15, 17, 19, 22, 24, 27, 30



Optional Accessories for AH03768 (Type: RING)

Code No.	Size (mm)	Code No.	Size (mm)	Code No.	Size (mm)
AH03786	13	AH03792	19	AH03798	32
AH03787	14	AH03793	21	AH03799	34
AH03788	15	AH03794	22	AH03800	36
AH03789	16	AH03795	24	AH03801	38
AH03790	17	AH03796	27	AH03802	41
AH03791	18	AH03797	30		

USA Torque Multipliers With Handles

Features

- Provides the operator with nut-turning power that requires only a fraction of the force required when using conventional tools.
- Input and output rotation is in the same direction.
- Reaction bar rotation is opposite to input direction and must rest securely against a rigid object to withstand the generated reaction force.
- By removing 4 screws, heads may be easily disassembled for inspection, cleaning and lubrication.



Code No.	Model No.	Max Output Ft. Lbs.	Multiplication Ratio*	Approx. Ft. Lbs. Rq'd for Max Output	Input Female Sq.	Output Male Sq.
AH03823	TM-750LW	1000	3.6 to 1	275	1/2	3/4
AH03824	TM-1000	2000	3.6 to 1	550	3/4	1
AH03825	TM-1500	4000	3.9 to 1	1150	1	1 1/2

USA TORQUE MULTIPLIERS WITH PLANETARY-GEAR MECHANISM

Code No.	Model No.	Max Output Ft. Lbs.	Input Cap	Gear Ratio	Torque Ratio	Input Female Sq.	Output Sq. Size	Overall Length	Head Height Sq. to Top	Head Dia.
AH01189	TM-391	1200	200	6:3:1	6:0:1	1/2	3/4	19 ³⁹ / ₆₄	4	3 ¹⁵ / ₁₆
AH01188	TM-393	3200	173	20:25:1	18:5:1	1/2	1	19 ³⁹ / ₆₄	6 1/2	4 1/16

Features

- Designed where high torques are necessary for fastening or breaking out stubborn fasteners
- Allows operator safe and easy means of producing torque for job requirements
- Precision planetary gear multiplies the operator's input from standard torque wrenches
- Can also multiply the torque from air-driven (non-impact) wrenches



USA PLATE REACTION TORQUE MULTIPLIERS

Code No.	Model No.	Max Output Ft. Lbs.	Input Cap	Gear Ratio	Torque Ratio	Output Male Sq.	Overall Length	Head Height	Head Dia.
AH03829	TM-492	2200	162	15:1	13:6:1	1	14	5 1/2	4 7/8
AH03830	TM-493	3200	173	20:25:1	18:5:1	1	14	6 7/16	4 7/8

Features

- Input torque holding ratchet – holds multiplier in place during torquing
- Needle bearing construction for high efficiency
- Standard reaction plate meets most job applications
- Shearable output squares – to protect tool during overload
- 1/2" drive square female input



USA Torque Screw Driver Set

Adjustable models offer versatility for applications that require more than one torque value. These torque screwdrivers are particularly suited for the electronics industry and for instrument assembly work. A simple, cam-over design prevents over-tightening and possible damage to components.

Code No.	Model No.	Torque Range	Increments	W x L inches
AH03803	401SM	5-40 in. lbs.	05 in. lbs.	1.2 x 6.75
AH03804	61NSM	10-80 cNm	1 cNm	1.1 x 5.5



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